

British DX Club

Asia-Pacific on Shortwave



Guide to shortwave broadcasts
in Asia and the Pacific

April 2022

Asia-Pacific on Shortwave

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with thanks to Jose Jacob, Zenon Teles and Atsuhiko Takezawa for their observations as well as Dave Kenny and Alan Pennington

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Descriptions used in this guide may have been taken from radio station websites and/or Wikipedia.

Other guides you may find of interest can be found at www.dxguides.info

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Mediumwave lists

Please note that this guide covers shortwave only and does not include any information about mediumwave stations. For details of mediumwave stations in the Asia-Pacific region, please refer to the following sites (all highly recommended):

[Asiawaves](#) (edited by Alan Davies) featuring radio and TV broadcasting in Asia

[DX India](#) (edited by Jose Jacob) featuring detailed information about broadcasting stations in India

[Pacific Asia Listener \(PAL\) Guide](#) (edited by Bruce Portzer) listing MW stations in southern & eastern Asia and the Pacific

DX INDIA

For detailed information on broadcasting stations in India, please visit the DX India website at <https://www.qsl.net/vu2jos/>

For latest updated AIR A22 schedules please check in the links given below:

- 1) External Service Time Wise: <http://qsl.net/vu2jos/es/time.htm>
- 2) External Service Language Wise: <http://qsl.net/vu2jos/es/Language.htm>
- 3) Complete SW service in Frequency order: <http://qsl.net/vu2jos/sw/freq.htm>
- 4) Station wise SW Schedule of stations: <https://qsl.net/vu2jos/sw/loc.htm>



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For the latest news about Shiokaze, Nippon no Kaze, Furusato no Kaze and others, please see Hiroshi's excellent site "Radio broadcasting from overseas" (in Japanese but easy to translate into English using Google Translate).

海外からのラジオ放送

Radio broadcasting from overseas

Afghanistan

Radio Afghanistan

Radio Afghanistan is the Taliban-operated national radio broadcasting station of Afghanistan. The shortwave transmitter at Pol-e-Charkhi in Kabul (100 kW on 6100 kHz) has been inactive since early 2020.

Chris Greenway commented on Twitter on 13 April 2022: "Been a while since I paid attention to the Afghan radio scene. The Taliban run two stations in Kabul: Main national service: Radio Afghanistan; Local station, formerly Radio Kabul, now renamed Voice of Sharia, whose coverage I see is being expanded to other parts of the country."

Please see the [Afghanistan DX Guide](#) for further schedules and a timeline of radio-related events since the mid-1970's

Australia

Australian Broadcasting Corporation

The Australian Broadcasting Corporation (ABC) is Australia's national broadcaster. The ABC now provides radio, television, online, and mobile services throughout metropolitan and regional Australia and overseas through ABC Australia and Radio Australia. However, all domestic and external broadcasting on shortwave has been discontinued

Domestic HF Licences

Changes were made to Australia's Broadcasting Act in December 2000 to permit Christian Voice International to begin using the Radio Australia shortwave transmitters in Darwin, and to allow HCJB Australia to build a new facility at Kununurra in Western Australia. If a broadcaster wants to target a domestic audience within Australia, all they need do is apply to the Australian Communications Authority for a Domestic HF Licence (DHFL). It costs a few hundred dollars and the lower range frequency allocations are specifically exempt from ITU Regulations.

The frequencies available are anywhere in the range 2300-26100 for broadcasting 'within Australia and its territories' and the following frequency blocks are only available for the DHFL broadcasters: 2300-2495, 3200-3400, 3950-4000, 4750-4995 and 5005-5060 kHz. The power of these stations is typically 1 kW.

Symban World Radio

SWR is based in Sydney, New South Wales, and established in 1997 to serve the Greek community of the city. It operates on mediumwave 1692 kHz and FM, and irregularly on shortwave 2368.5 kHz.

Transmitter Site: Sydney (Leppington), New South Wales.

<i>Time/Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>
irregular	Greek	2368.5	0.5	ND

David Foster (via WOR iog) comments: Got a reply from Elena Matsouka ([elenamatsouka66 \(at\) hotmail.com](mailto:elenamatsouka66@hotmail.com)), announcer and wife of Director Angelos Matsouka. She says power is "toward 40 Watts at present" (confirmed by a listing in fmscan.org). New address is 608 New Canterbury Road, Hurlstone Park (Sydney) and she says the antenna is at that address. On google street view (February 2021 pic) #608 shows Helmos House, a 2 storey building with an antenna mast with guy ropes on top. Helmos Association is a philanthropic group and an associated company is Hellenic Australia Radio at 825 New Canterbury Road, with the same phone number as Radio Symban. A google street view of #825 (again Feb 21) shows buildings demolished and new construction beginning. Maybe Radio Symban was there once. It's not the same station as Hellenic Radio which is on 1683 in Sydney and Melbourne. R. Symban's Facebook page gives its address as 867 New Canterbury Road but google street view shows it's for lease and looking decidedly empty. Scrolling down Symban's Facebook page you can see shopfront photos of the previous Radio Symban building, presumably once at #825, with a sign showing 93.3 FM (not any more!), and heaps of photos of Elena - you can see a clip of her announcing on 16 August 2021 and a few earlier clips of her too. Apart from 2368.5 (talk a few years ago claimed the transmitter was made in Greece), the station is listed to operate on 1692 from Wedderburn near Campbelltown in western Sydney with 120 Watts, plus it broadcasts online on 8 different livestreams with an audience in Greece apparently just as important as the Sydney audience. (David Foster, Mansfield, Vic, Australia, 7 February 2022, WOR iog)

Unique Radio

Unique Radio was started on shortwave by its owner Tim Gaynor in 2016. Tim has a background in community radio and his station provides a variety of programming not necessarily heard on mainstream media.

Transmitter Site: Manilla, New South Wales.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>
0300-0500	Fri/Sat	English	3210	1	ND
0800-1100	Fri	English	3210	1	ND
0900-1300	Sat/Sun	English	3210	1	ND
1500-1600	Sun	English	3210	1	ND
1600-1700	Sat	English	3210	1	ND

(times as per EiBi)

Radio 4KZ

Located in Innisfail since 1967, Radio 4KZ covers the tropical coast of Far North Queensland on 531 kHz and FM. Its shortwave transmitter was launched

on 20 December 2017 to serve the remote areas of north Queensland.

Transmitter Site: Innisfail, Queensland.

Time/UTC	Days	Language	kHz	kW	Az.
2000v-1000v	Daily	English	5055	1	ND

Bay Islands Radio

Bay Islands Radio broadcasts from a low-power shortwave transmitter at Macleay Island, Queensland, with an oldies music format.

Transmitter Site: Macleay Island, Queensland.

Time/UTC	Language	kHz	kW	Az.
to be confirmed	English	5045	0.15	ND

David foster (via WOR iog) comments: Hearing this at 1555 on 31 January reminded me that operator Shannon Shuttleworth told me in March 2021 that the transmitter used to be at his mate's house on Macleay Island, in southern Moreton Bay near Brisbane. Shannon himself lived on Russell Island about 4 km away. He said both he and his mate had to move. At that stage the antenna was too low and the power was 180-200 Watts. However, now the transmitter has moved to Russell Island where Shannon lives, presumably on a higher point of the island that he had been searching for. 5045 replays audio fed to 88.0 FM. According to Island FM's Facebook page, it looks like the station came on air at its new location on 8 November 2021. Shannon complained that ACMA (Australian Communications and Media Authority) hasn't updated his licence yet. (David Foster, Mansfield, Vic, Australia, 7 February 2022, WOR iog)

International broadcasting on shortwave

Reach Beyond Australia

Since 2003, Reach Beyond (formerly HCJB) has been transmitting from their broadcast facility in the Kimberley, in far north Western Australia, to the Asia Pacific region through shortwave radio, and currently broadcasts in 24 languages.

Transmitter site: Kununurra, Western Australia - 3 x 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area	Notes
0930-1000	Daily	Korean	9580	100	005	44,45	East Asia	
1100-1130	Sat/Sun	Japanese	15565	100	005	45	East Asia	
1126-1143	Daily	Rohingya	11905	100	335	49	South-East Asia	
1128-1143	Sat/Sun/Tue-Thu	Dzongkha	12010	100	310	41	South Asia	
1128-1158	Mon/Fri	Nepali	12010	100	310	41	South Asia	
1143-1156	Daily	Burmese	11905	100	335	49	South-East Asia	
1143-1158	Sat/Sun	Dzongkha	12010	100	310	41	South Asia	
1143-1158	Tue-Thu	Tsangla	12010	100	310	41	South Asia	
1200-1215	Fri-Mon	English	11900	100	310	41	South Asia	
1200-1215	Mon-Fri	Kannada	9610	100	335	41	South Asia	
1200-1230	Mon/Fri	Burmese	11875	100	335	49	South-East Asia	
1200-1230	Sat	Tamil	9610	100	335	41	South Asia	produced by TWR
1200-1230	Tue-Thu	Hindi	11900	100	310	41	South Asia	
1200-1230	Tue-Thu/Sat/Sun	Matu	11875	100	335	49	South-East Asia	
1200-1300	Sun	English	9610	100	335	41	South Asia	
1215-1230	Tue/Thu/Fri	Hindi	9610	100	335	41	South Asia	
1215-1245	Mon/Wed	Hindi	9610	100	335	41	South Asia	
1230-1245	Fri	Punjabi	9610	100	335	41	South Asia	
1230-1245	Tue/Thu/Sat	Hindi	9610	100	335	41	South Asia	
1230-1300	Daily	Hindi	11900	100	310	41	South Asia	
1245-1300	Fri	Marwari	9610	100	335	41	South Asia	
1245-1300	Mon/Sat	Telugu	9610	100	335	41	South Asia	
1245-1300	Thu	Bengali	9610	100	335	41	South Asia	
1245-1300	Tue	Kurux	9610	100	335	41	South Asia	
1245-1300	Wed	Gujarati	9610	100	335	41	South Asia	
1300-1315	Daily	Tamil	9610	100	335	41	South Asia	
1300-1315	Fri	Marathi	11900	100	310	41	South Asia	
1300-1315	Mon	Punjabi	11900	100	310	41	South Asia	
1300-1315	Sat/Sun	Chattisgarhi	11900	100	310	41	South Asia	
1300-1315	Thu	Himachali	11900	100	310	41	South Asia	
1300-1315	Tue	Kurux	11900	100	310	41	South Asia	
1300-1315	Wed	Bhojpuri	11900	100	310	41	South Asia	
1315-1330	Mon/Fri/Sun	Oriya	11900	100	310	41	South Asia	
1315-1330	Mon/Wed/Fri	English	9610	100	335	41	South Asia	
1315-1330	Sat	Punjabi	11900	100	310	41	South Asia	
1315-1330	Sat	Urdu	9610	100	335	41	South Asia	

1315-1330	Sun	Nepali	9610	100	335	41	South Asia
1315-1330	Thu	Malayalam	9610	100	335	41	South Asia
1315-1330	Thu	Marathi	11900	100	310	41	South Asia
1315-1330	Tue	Tamil	9610	100	335	41	South Asia
1315-1330	Tue	Telugu	11900	100	310	41	South Asia
1315-1330	Wed	Hindi	11900	100	310	41	South Asia
1330-1345	Daily	English/Hindi	9720	100	335	41	South Asia
1330-1345	Mon-Fri	Nepali	11900	100	310	41	South Asia
1330-1345	Sat/Sun	Tibetan	11900	100	310	41	South Asia
1345-1400	Daily	English	9720	100	335	41	South Asia
1345-1400	Fri	Bengali	11900	100	310	41	South Asia
1345-1400	Mon/Sat	Urdu	11900	100	310	41	South Asia
1345-1400	Sun	Gujarati	11900	100	310	41	South Asia
1345-1400	Thu	Nepali	11900	100	310	41	South Asia
1345-1400	Tue	Bhojpuri	11900	100	310	41	South Asia
1345-1400	Wed	Punjabi	11900	100	310	41	South Asia
1500-1530	Daily	Burmese	11825	100	335	49	South-East Asia
2230-2300	Daily	Japanese	15410	100	005	45	East Asia

Hobart Radio International

Hobart Radio International (The Voice of Tasmania) is a shortwave community service relayed across the globe via shortwave and FM in New Zealand. They describe themselves as "the voice for Tasmania, and will always be developing and different. Crossing the borders since 2004, telling the unknown and investigating on what's important".

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF	Target area
0030-0100	Sat	English	7730	WRMI Okeechobee FL, USA	100	285	10-12	C/S America
0430-0500	Sun	English	9955	WRMI Okeechobee FL, USA	100	160	11-16	C/S Am./Carib.
0830-0900	Wed	English	5850	WRMI Okeechobee FL, USA	100	315	2,3	North America
			7730	WRMI Okeechobee FL, USA	100	285	10-12	C/S America
2230-2300	Sat	English	9955	WRMI Okeechobee FL, USA	100	160	11-16	C/S Am./Carib.
2330-0000	Sat	English	7780	WRMI Okeechobee FL, USA	100	044	9,17,18,27-28	Europe/N Am.
2330-0000	Sun	English	6160	WMBQ Monticello ME, USA	50	245	3-5,9-11	North america

Note: schedule for A22 to be confirmed.

Bangladesh

Bangladesh Betar - Home Service

The Bangladesh Betar Home Service has nationwide coverage on mediumwave, shortwave and FM. It appears to be only on air for a limited period of time on shortwave nowadays.

Transmitter Site: Savar, Dhaka District.

Target area: Bangladesh domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.	Notes
1100-1150	Daily	Bengali	4750	100	ND	time to be confirmed

International broadcasting on shortwave

Bangladesh Betar - External Service

Bangladesh Betar's External Service had a new Thomson 250 kW shortwave transmitter and rotatable antenna system installed at Khabirpur in 2012. However, since March 2019, the external service has not been heard on any of its usual shortwave frequencies from Khabirpur and has been using the domestic service facilities at Savar on 4750 kHz instead.

Transmitter Site: Savar, Dhaka District.

Target area: Foreign listeners in the areas surrounding Bangladesh (i.e. mainly South Asia)

Time/UTC	Days	Language	kHz	kW	Az.	Notes
1230-1300	Daily	English	4750	100	ND	
1315-1345	Daily	Nepali	4750	100	ND	
1400-1430	Daily	Urdu	4750	100	ND	
1515-1545	Daily	Hindi	4750	100	ND	
1600-1630	Daily	Arabic	4750	100	ND	
1630-1730	Daily	Bengali	4750	100	ND	
1745-1900	Daily	English	4750	100	ND	starts with Voice of Islam programme
1915-2000	Daily	Bengali	4750	100	ND	



Bhutan

Bhutan Broadcasting Service

BBS is currently inactive on shortwave. It had broadcast on 6035 kHz daily from 0555 to approximately 1900 local time (0000-1300v UTC), but was last reported by Ron Howard in November 2020.

China

China Media Group

China Media Group, also known as Voice of China, is the predominant state media company for radio and television broadcasting in the People's Republic of China. It was founded on 21 March 2018 as a national holding firm for China Central Television, China National Radio, and China Radio International. China Media Group is under the control of the Publicity Department of the Chinese Communist Party.

China National Radio

CNR is the state-operated radio service of the Peoples Republic of China. It forms the national radio service of the state-owned China Media Group, continuing its mission to broadcast a variety of radio programmes to listeners all over China and around the world.

CNR-1 - Voice of China, News Radio

Voice of China is the flagship radio station of CNR, broadcasting mainly news and commentaries.

Target area: China - domestic audience.

Silent period: Tuesday 0600-0900.

<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Time/UTC</i>
4750	Hailar, Nei Menggu	10	192	33S	1955-1730
4800	Golmud, Qinghai	100	ND	43NW	2025-1805
5945	Beijing	100	222	43SE,44SW	2025-0100 and 1000-1805
6000	Beijing	100	ND	43NE,44NW	2025-0100 and 0800-1805
6080	Golmud, Qinghai	100	236	42S,43N	2025-0100 and 1200-1805
6125	Beijing	100	037	33S,44NE	2025-2300 and 1000-1805
6125	Shijiazhuang, Hebei	100	217	43SE,44SW	2025-0100 and 1000-1805
6175	Beijing	100	037	33S,44NE	2025-0000 and 0900-1805
7215	Shijiazhuang, Hebei	100	037	33S,44NE	2025-0000
7230	Xi'an, Shaanxi	150	ND	43E,44W	2025-1805
7275	Beijing	100	251	42S,43SW	2025-0030 and 1100-1805
7290	Beijing	100	222	43SE,44SW	2025-0000 and 0930-1805
7305	Shijiazhuang, Hebei	100	037	33S,44NE	2025-2200 and 0800-1805
7365	Shijiazhuang, Hebei	100	037	33S,44NE	1000-1805
9500	Shijiazhuang, Hebei	100	165	44S	2025-1805
9630	Golmud, Qinghai	100	236	42S,43N	0100-1200
9645	Beijing	100	ND	43NE,44NW	0100-0800
9675	Beijing	100	037	33S,44NE	2300-1000
9710	Shijiazhuang, Hebei	100	217	43SE,44SW	2025-2330 and 1100-1805
9810	Nanning, Guangxi	150	155	44S	2025-2300 and 1300-1805
9830	Beijing	100	175	44S	2025-0200 and 0730-1805
9845	Beijing	100	251	42S,43SW	2025-0100 and 1030-1805
9860	Beijing	100	285	42W,43NW	1100-1805
11710	Beijing	100	285	42W,43NW	2025-0130 and 0900-1805
11720	Shijiazhuang, Hebei	100	217	43SE,44SW	2330-1100
11750	Shijiazhuang, Hebei	100	037	33S,44NE	2200-0800
11760	Shijiazhuang, Hebei	100	165	44S	0000-1000
11925	Lingshi, Shanxi	100	286	42NW	2025-0200 and 1000-1805
11960	Beijing	100	037	33S,44NE	0000-0900
12045	Beijing	100	285	42W,43NW	0000-1100
13610	Nanning, Guangxi	150	155	44S	2300-1300
15370	Shijiazhuang, Hebei	100	217	43SE,44SW	0100-1100
15380	Beijing	100	251	42S,43SW	0030-1100
15480	Beijing	100	222	43SE,44SW	0100-1000
17550	Beijing	100	251	42S,43SW	0000-1030
17565	Beijing	100	175	44S	0200-0730
17580	Lingshi, Shanxi	100	286	42NW	0200-1000
17595	Shijiazhuang, Hebei	100	217	43SE,44SW	0100-1000
17605	Beijing	100	285	42W,43NW	0130-0900
17890	Beijing	100	222	43SE,44SW	0000-0930

As well as operating on its registered frequencies, CNR-1 is also often heard on those used by Radio Taiwan International, Voice of America, Radio Free Asia, Sound of Hope and Voice of Tibet, where its presence is to block or interfere with their broadcasts to Mainland China. Please see the entry below for "Target broadcasts to China" and under Taiwan for details of these transmissions.

CNR-2 - China Business Radio

A nationwide service of mainly business news and reports.

Target area: China - domestic audience.

Silent period: Wednesday 0600-0855.

<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Time/UTC</i>
3985	Golmud, Qinghai	100	ND	43NW	0855-1605
6000	Xi'an, Shaanxi	150	257	42S,43SW	2055-0000
6040	Beijing	150	180	44S	2055-0030
6065	Beijing	150	220	43SE	2055-2330 and 1200-1605
6090	Golmud, Qinghai	100	172	43SW	2055-0300 and 1000-1605
6155	Beijing	150	ND	43NE,44NW	2055-0100 and 1000-1605
6190	Golmud, Qinghai	100	ND	43NW	2055-0000
7220	Golmud, Qinghai	100	ND	43NW	0000-0900
7245	Beijing	150	ND	43NE,44NW	2055-0100 and 0900-1605
7255	Baoji, Shaanxi	100	135	44S	2055-0100
7265	Baoji, Shaanxi	100	135	44S	1230-1605
7315	Xi'an, Shaanxi	150	ND	43E,44W	2055-0100 and 0855-1605
7335	Baoji, Shaanxi	100	255	42SE,43SW	2055-0030 and 1000-1605
7370	Beijing	150	270	42NE,43NW	2055-0000 and 1100-1605
7375	Beijing	150	180	44S	1030-1605
7425	Xi'an, Shaanxi	150	257	42S,43SW	1100-1605
9515	Beijing	100	163	44S	2055-0000 and 0855-1605
9570	Golmud, Qinghai	100	172	43SW	0300-1000
9620	Beijing	150	ND	43NE,44NW	0100-0855
9620	Beijing	100	163	44S	0855-1605
9720	Baoji, Shaanxi	150	ND	43E,44W	0000-1000
9755	Baoji, Shaanxi	100	255	42SE,44SW	2055-0200 and 1000-1605
9775	Beijing	150	270	42NE,43NW	2055-0200 and 0855-1605
9810	Baoji, Shaanxi	100	135	44S	0100-1230
9820	Xi'an, Shaanxi	150	290	42N,43NW	2055-0100 and 0855-1605
11600	Xi'an, Shaanxi	150	257	42S,43SW	0000-1100
11610	Beijing	150	270	42NE,43NW	0000-1100
11660	Xi'an, Shaanxi	150	ND	43E,44W	0100-0855
11670	Beijing	150	220	43SE	2330-1200
11740	Lingshi, Shanxi	100	286	42NW	2055-0100 and 1100-1605
11800	Beijing	150	180	44S	0030-1030
11835	Xi'an, Shaanxi	150	257	42S,43SW	0000-1100
11915	Baoji, Shaanxi	100	255	42SE,44SW	0030-1000
11970	Xi'an, Shaanxi	150	290	42N,43NW	0100-0855
12080	Baoji, Shaanxi	100	255	42SE,44SW	0200-1000
15270	Beijing	150	270	42SE,43NW	0200-0855
15500	Beijing	100	175	44S	0100-1000
15540	Lingshi, Shanxi	100	286	42NW	0100-1100
17625	Beijing	100	163	44S	0000-0855

CNR-5 - Cross-Strait Radio

CNR-5 was reorganised in March 2021 as "Cross-Strait Radio" with new opening music, closing music. The slogan is "Across the Strait, One Family on both sides".

Target area: Taiwan, Southern China.

Silent period: Wednesday 0600-0900.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2055-0000	Daily	Chinese	5925	Beijing	100	163	44S
			7385	Beijing	100	163	44S
			9665	Beijing	100	163	44S
0000-0600	Daily	Chinese	9685	Beijing	100	163	44S
			11620	Beijing	100	163	44S
			11935	Beijing	100	163	44S
0600-0900	Daily	Chinese	9685	Beijing	100	163	44S
			11620	Beijing	100	163	44S
			11935	Beijing	100	163	44S
0900-1000	Daily	Chinese	7385	Beijing	100	163	44S
			9685	Beijing	100	163	44S
			11620	Beijing	100	163	44S
1000-1705	Daily	Chinese	5925	Beijing	100	163	44S
			7385	Beijing	100	163	44S
			9410	Beijing	100	163	44S

CNR-6 - Voice of Shenzhou

CNR-6 is the second Taiwan service, broadcasting in dialects including Amoy, Hakka and entertainment in Mandarin,

Target area: Taiwan, Southern China.

Silent period: Wednesday 0600-0900.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	CIRAF
2155-2200	Daily	Chinese	6165	Beijing	100	163	44S
			9730	Beijing	100	163	44S
2200-0100	Daily	Amoy	6165	Beijing	100	163	44S
			9730	Beijing	100	163	44S
0100-0500	Daily	Amoy	11905	Beijing	100	163	44S
			15710	Beijing	100	163	44S
0500-0900	Daily	Hakka	11905	Beijing	100	163	44S
			15710	Beijing	100	163	44S
0900-1100	Daily	Hakka	6165	Beijing	100	163	44S
			9620	Beijing	100	163	44S
1100-1605	Daily	Chinese	6165	Beijing	100	163	44S
			9620	Beijing	100	163	44S

CNR-7 - Radio Voice of the the Greater Bay

CNR-7 is China's first national-level radio station oriented at its Greater Bay Area. Programmes are in Cantonese, Chinese, Teochewese, Hakka, Shanghainese and Amoy.

Target area: Southern Guangdong-Hong Kong-Macao Greater Bay Area

Silent period: Tuesday 0600-0900.

Time/UTC	Days	Languages	kHz	Transmitter site	kW	Az.	CIRAF
2055-0000	Daily	Cantonese, Chinese etc	7345	Beijing	100	175	44S
			9745	Kashi, Xinjiang	500	106	44S
0000-0100	Daily	Cantonese, Chinese etc	9745	Kashi, Xinjiang	500	106	44S
			15550	Beijing	100	175	44S
0100-1100	Daily	Cantonese, Chinese etc	13770	Kashi, Xinjiang	500	106	44S
			15550	Beijing	100	175	44S
1100-1805	Daily	Cantonese, Chinese etc	7345	Beijing	100	175	44S
			13770	Kashi, Xinjiang	500	106	44S

CNR-8 - Minorities Radio

CNR-8 is the minorities service of China National Radio in Korean and Mongolian.

Target area: Mongolian and Korean-speaking areas of China.

Silent period: Wednesday 0605-0855.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	CIRAF
2055-2100	Daily	Chinese	9610	Beijing	100	286	42N
			11810	Beijing	100	015	33S,44N
2100-0600	Daily	Mongolian	9610	Beijing	100	286	42N
			11810	Beijing	100	015	33S,44N
0600-1100	Daily	Korean	5975	Beijing	100	063	42N,43NW
			9785	Beijing	100	063	33S,44NE
1100-1500	Daily	Korean	5975	Beijing	100	063	42N,43NW
			9785	Beijing	100	063	33S,44NE
1500-1505	Daily	Chinese	5975	Beijing	100	063	42N,43NW
			9785	Beijing	100	063	33S,44NE

CNR-11 - Tibetan Radio

CNR-11 is the Tibetan service of China National Radio.

Silent period: Wednesday 0600-0900.

Target area: Tibetan-speaking areas of China.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
2155-0000	Daily	Tibetan	6010	Baoji, Shaanxi	100	255	42,43
			7350	Baoji, Shaanxi	100	255	42SE,43SW
			9480	Baoji, Shaanxi	100	255	42SE,43SW
0000-0100	Daily	Tibetan	9480	Baoji, Shaanxi	100	255	42SE,43SW
			9530	Baoji, Shaanxi	100	255	42SE,43SW
			11685	Baoji, Shaanxi	100	255	42SE,43SW
0100-1100	Daily	Tibetan	9530	Baoji, Shaanxi	100	255	42SE,43SW
			11685	Baoji, Shaanxi	100	255	42SE,43SW
			15570	Baoji, Shaanxi	100	255	42SE,43SW
1100-1300	Daily	Tibetan	9480	Baoji, Shaanxi	100	255	42SE,43SW
			9530	Baoji, Shaanxi	100	255	42SE,43SW
			11685	Baoji, Shaanxi	100	255	42SE,43SW
1300-1605	Daily	Tibetan	6010	Baoji, Shaanxi	100	255	42,43
			7350	Baoji, Shaanxi	100	255	42SE,43SW
			9480	Baoji, Shaanxi	100	255	42SE,43SW

CNR-13 - Uighur Radio

CNR-13 is the Uighur service of China National Radio. It may also broadcast in Chinese at certain times.

Target area: Uighur-speaking areas of China.

Silent period: Tuesday 0600-0855.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2355-0200	Daily	Uighur	9890	Lingshi, Shanxi	100	286	42NW
			15390	Lingshi, Shanxi	100	286	42NW
0200-0900	Daily	Uighur	13700	Lingshi, Shanxi	100	286	42NW
			15390	Lingshi, Shanxi	100	286	42NW
0900-1000	Daily	Chinese	13700	Lingshi, Shanxi	100	286	42NW
			15390	Lingshi, Shanxi	100	286	42NW
1000-1100	Daily	Uighur	13700	Lingshi, Shanxi	100	286	42NW
			15390	Lingshi, Shanxi	100	286	42NW
1100-1805	Daily	Uighur	9420	Lingshi, Shanxi	100	286	42NW
			9890	Lingshi, Shanxi	100	286	42NW

CNR-17 - Kazakh Radio

CNR-17 is the Kazakh service of China National Radio.

Target area: Kazakh-speaking areas of China.

Silent period: Tuesday 0600-0900.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2355-1200	Daily	Kazakh	11630	Lingshi, Shanxi	100	286	42NW
			12055	Lingshi, Shanxi	100	286	42NW
1200-1500	Daily	Kazakh	6180	Lingshi, Shanxi	100	286	42NW
			9630	Lingshi, Shanxi	100	286	42NW
1500-1805	Daily	Kazakh	6145	Lingshi, Shanxi	100	286	42NW
			9630	Lingshi, Shanxi	100	286	42NW

Provincial radio stations on shortwave

Gannan Radio & TV Station

Gannan Tibetan Autonomous Prefecture is an autonomous prefecture in Southern Gansu Province in Western China. The largest ethnic group in Gannan is Tibetan, followed by the Han.

General Service

Transmitter site: Hezuo City, Gannan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2225-0120	Daily	Chinese	3990	15	ND	43NW
0345-0526	Daily	Chinese	3990	15	ND	43NW
1025-1345v	Daily	Chinese	3990	15	ND	43NW

Note: relays of CNR-1 observed at 2230+ and 1030-1200 on weekdays, possibly at other times as well; may include some Tibetan content at certain times; Gannan's other shortwave frequency of 5970 kHz has not been heard recently.

Guizhou Radio & TV Station

Guizhou is a landlocked province in the southwest region of China. Guizhou borders the autonomous region of Guangxi to the south, Yunnan to the west, Sichuan to the northwest, Chongqing to the north, and Hunan to the east.

Chinese General Service

Transmitter site: Guiyang, Guizhou.

Silent period: Tuesdays 0600-0900

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2150-1705	Daily	Chinese	7275	10	ND	43SE

Note: may relay CNR-1 at certain times.

Hulun Buir Radio & TV Station

Hulun Buir is a region that is governed as a prefecture-level city in northeastern Inner Mongolia. Hulun Buir borders Russia to the north and west, Mongolia to the south and west, Heilongjiang province to the east and Hinggan League to the direct south.

News Radio

Transmitter site: Hailar, Hulun Buir.

Silent period: Tuesdays 0210-0700

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2130-0700	Daily	Chinese	3900	10	242	33S
0900-1440v	Daily	Chinese	3900	10	242	33S

Note: relay of CNR-1 at 1400-1440v, possibly other times as well.

Mongolian News & General Channel

Transmitter site: Hailar, Hulun Buir.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2150-0230	Daily	Mongolian	6080	10	247	33S
0925-1430	Daily	Mongolian	6080	10	247	33S

Note: may relay CNR-8 at certain times

Hunan Radio & TV Station

Hunan is a landlocked province, part of the South Central China region. Located in the middle reaches of the Yangtze watershed, it borders the province-level divisions of Hubei to the north, Jiangxi to the east, Guangdong and Guangxi to the south, Guizhou to the west and Chongqing to the northwest.

News Radio

Transmitter site: Xiangtan, Hunan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2030-0100	Daily	Chinese	4990	2	ND	43SE
0300-0500	Daily	Chinese	4990	2	ND	43SE
0900-1700	Daily	Chinese	4990	2	ND	43SE

Note: may relay CNR-1 at certain times

Nei Menggu Radio & TV Station

Inner Mongolia or Nei Mongol, officially the Inner Mongolia Autonomous Region, is a landlocked autonomous region of the People's Republic of China. Its border includes most of the length of China's border with the country of Mongolia. Inner Mongolia also accounts for a small section of China's border with Russia (Zabaykalsky Krai).

Chinese News Service

Transmitter site: Hohhot, Nei Menggu.

Silent period: Tuesdays 0600-0950

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Note</i>
2150-1605	Daily	Chinese	7420	50	052/263	43NE	both 052 & 263 degrees registered for 7420 kHz
			9520	50	036	43NE	

Note: may relay CNR-1 at certain times

Mongolian News Service

Transmitter site: Hohhot, Nei Menggu.

Silent period: Tuesdays 0600-0950

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2150-1605	Daily	Mongolian	6040	50	263	43NW
			7270	50	052	43NE
			9750	50	036	43NE

Note: relays CNR-8 at 0300-0400, possibly at other times as well.

Ron Howard heard Nei Menggu on 7270 kHz at 1221 UTC on 5 June 2021. Very strong signal on primary frequency; generating very noticeable spurs on the low side 7262 (strongest spur!) // 7254 and the high side 7278 // 7286. (Ron Howard, Asilomar State Beach, California, WOR iog)

Qinghai Radio & TV Station

Qinghai is a landlocked province in the northwest of China. It borders Gansu on the northeast, Xinjiang on the northwest, Sichuan on the southeast and the Tibet Autonomous Region on the southwest. The Han are largest ethnic group in Qinghai, followed by Tibetan.

Chinese News General Service

Transmitter site: Xining, Qinghai.

Silent period: Tuesdays 0600-0900

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2140-1600	Daily	Chinese	6145	50	270	43N
			9780	50	270	43N

Note: may relay CNR-1 at certain times.

Tibetan Service

Transmitter site: Xining, Qinghai..

Silent period: Tuesdays 0600-0855

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2250-1600	Daily	Tibetan	5990	50	206	43N
			9850	50	206	43N

Note: may relay CNR-11 at certain times.

Sichuan Radio & TV Station

Sichuan is a landlocked province in Southwest China occupying most of the Sichuan Basin and the easternmost part of the Tibetan Plateau between the Jinsha River on the west, the Daba Mountains in the north, and the Yungui Plateau to the south.

Minorities Service - Voice of the Golden Bridge

Transmitter site: Chengdu, Sichuan.

Time/UTC	Days	Languages	kHz	kW	Az.	CIRAF
2155-0135	Daily	Tibetan/Yui/Chinese	6060	50	358	43S
			7225	50	ND	43S
1000-1515	Daily	Tibetan/Yui/Chinese	6060	50	358	43S
			7225	50	ND	43S



Xinjiang Radio & TV Station

Xinjiang, officially Xinjiang Uigur Autonomous Region, is an autonomous region of China, located in the northwest of the country close to Central Asia. Xinjiang borders the countries of Mongolia, Russia, Kazakhstan, Kyrgyzstan, Tajikistan, Afghanistan, Pakistan and India. The Aksai Chin region, administered by China, is claimed by India. Xinjiang also borders the Tibet Autonomous Region and the provinces of Gansu and Qinghai.

Chinese General Service

Transmitter site: Urumqi, Xinjiang.

Silent period: Tuesdays 0800-1100

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
2310-0300	Daily	Chinese	3950	100	ND	42N
			5060	50	230	42N
			5960	100	ND	42N
			7310	50	230	42N
0300-1200	Daily	Chinese	7260	100	ND	42N
			5960	100	ND	42N
			9600	50	230	42N
			11770	50	230	42N
1200-1800	Daily	Chinese	3950	100	ND	42N
			5060	50	230	42N
			5960	100	ND	42N
			7310	50	230	42N

Note: changeover times may vary slightly; may relay CNR-1 at certain times.

Kazakh General Service

Transmitter site: Urumqi, Xinjiang.

Silent period: Tuesdays 0800-1100

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
2340-0330	Daily	Kazakh	4850	100	ND	42N
			6015	100	ND	42N
0330-1155	Daily	Kazakh	7340	100	ND	42N
			9470	100	ND	42N
1155-1800	Daily	Kazakh	4850	100	ND	42N
			6015	100	ND	42N

Note: changeover times may vary slightly; may relay CNR-17 at certain times.

Kyrgyz General Service

Transmitter site: Urumqi, Xinjiang.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
0310-0530	Daily	Kyrgyz	7295	50	230	42N
			9705	50	230	42N
1010-1230	Daily	Kyrgyz	7295	50	230	42N
			9705	50	230	42N

Note: includes "Voice of China" prgr at 1130-1230

Mongolian General Service

Transmitter site: Urumqi, Xinjiang.

Silent period: Tuesdays 0800-1050

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
2310-0330	Daily	Mongolian	4500	50	ND	42N
			6190	50	ND	42N
0510-1000	Daily	Mongolian	7230	50	ND	42N
			9510	50	ND	42N
1210-1800	Daily	Mongolian	4500	50	ND	42N
			6190	50	ND	42N

Note: changeover times may vary slightly; may relay CNR-8 at certain times.

Uighur General Service

Transmitter site: Urumqi, Xinjiang.

Silent period: Tuesdays 0800-1100

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2310-0300	Daily	Uighur	3990	100	ND	42N
			4980	50	230	42N
			6120	100	ND	42N
			7205	50	230	42N
0300-1225	Daily	Uighur	7275	100	ND	42N
			9560	100	ND	42N
			11885	50	230	42N
			13670	50	230	42N
1225-1800	Daily	Uighur	3990	100	ND	42N
			4980	50	230	42N
			6120	100	ND	42N
			7205	50	230	42N

Note: changeover times may vary slightly; may relay CNR-13 at certain times.

Xizang Radio & TV Station - China Tibet Broadcasting station

The Tibet Autonomous Region or Xizang Autonomous Region, called Tibet or Xizang for short, is a province-level autonomous region of the People's Republic of China in Southwest China. It was overlaid on the traditional Tibetan regions of Ü-Tsang and Kham. The Tibet Autonomous Region is located on the Tibetan Plateau, the highest region on earth. Mount Everest is located on Tibet's border with Nepal. China's provincial-level areas of Xinjiang, Qinghai and Sichuan lie to the north, northeast and east, respectively. There is also a short border with Yunnan Province to the southeast. The countries to the south and southwest are Myanmar, India, Bhutan, and Nepal. The ethnic composition of Tibet is 90% Tibetan and 8% Han.

Chinese Service

Transmitter site: Lhasa, Xizang (Tibet).

Silent period: Tuesdays 0600-1000.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2000(2100 Tue)-0300	Daily	Chinese	4820	100	ND	42SE,43SW
			5935	100	085	43SW
			6050	100	290	42SW
			7240	100	290	42SW
			7450	100	085	43SW
0300-0900	Daily	Chinese	4820	100	ND	42SE,43SW
			5935	100	085	43SW
			6050	100	290	42SW
			11860	100	085	43SW
			11950	100	290	42SW
0900-1800	Daily	Chinese	4820	100	ND	42SE,43SW
			5935	100	085	43SW
			6050	100	290	42SW
			7240	100	290	42SW
			7450	100	085	43SW

Note: CNR-1 is relayed at 2230-2300, 0030-0100 and 1030-1100.

Tibetan Service

Transmitter site: Lhasa, Xizang (Tibet).

Silent period: Tuesdays 0700-1000.

The Tibetan Service breaks at 0700-0800 and 1600-1700 for Holy Tibet Radio in English (see below)

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2050-1805	Daily	Tibetan	4905	100	ND	42SE,43SW
			4920	100	ND	42SE,43SW
			6025	100	268	42SE
			6110	100	220	42SE
			6130	100	290	42SW
			6200	100	085	43SW

and additionally:

2050-0200	Daily	Tibetan	7255	100	085	43SW
			7385	100	290	42SW
0200-0930	Daily	Tibetan	9490	100	085	43SW
			9580	100	290	42SW
0930-1000	Daily	Tibetan	7385	100	290	42SW
			9490	100	085	43SW
1000-1805	Daily	Tibetan	7255	100	085	43SW
			7385	100	290	42SW

Note: CNR-8 is relayed at 2300-2357, 0400-0457 and 1300-1357.

Holy Tibet Radio

Transmitter site: Lhasa, Xizang (Tibet).

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0700-0800	Daily	English	4905	100	ND	42SE,43SW
			4920	100	ND	42SE,43SW
			6025	100	268	42SE
			6110	100	220	42SE
			6130	100	290	42SW
			6200	100	085	43SW
			9490	100	085	43SW
			9580	100	290	42SW
			1600-1700	Daily	English	4905
4920	100	ND				42SE,43SW
6025	100	268				42SE
6110	100	220				42SE
6130	100	290				42SW
6200	100	085				43SW
7255	100	085				43SW
7385	100	290				42SW

Yunnan Radio & TV Station

Yunnan is a landlocked province in the southwest of China. The province borders the Chinese provinces of Guizhou, Sichuan, autonomous regions of Guangxi, and Tibet as well as Southeast Asian countries: Vietnam, Laos, and Myanmar.

Yunnan Radio International

Transmitter site: Shaland, Kunming, Yunnan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2200-0000	Daily	Chinese	6035	50	225	43S,49N
0945-1000	Daily	Music	6035	50	225	43S,49N
1000-1030	Daily	Vietnamese	6035	50	225	43S,49N
1030-1300	Daily	Chinese	6035	50	225	43S,49N
1300-1330	Daily	Vietnamese	6035	50	225	43S,49N
1330-1400	Daily	Chinese	6035	50	225	43S,49N



Minorities Service

Transmitter site: Shaland, Kunming, Yunnan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2245-0300	Daily	Minorities	7210	50	225	43S,49N
0630-0830	Daily	Minorities	7210	50	225	43S,49N
1040-1500	Daily	Minorities	7210	50	225	43S,49N

Note: 2245-2300 and 1040-1100 music is played prior to the start of actual programmes.

DRM broadcasting in China

CNR-1 DRM Transmissions

B21 schedule of CNR "Voice of China" DRM test transmission is as follows.

Transmitting Power 30kW. "3FF", "3EA" etc. are the transmission identification codes.

<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Time/UTC</i>	<i>ID code</i>
6030	Beijing	30	ND	43NE,44NW	2025-1805	3FF
9655	Urumqi, Xinjiang	30	098	43NE,44NW	0800-1200 and 2200-0100	3EC
11695	Dongfang, Hainan	30	041	44S	0100-0900	3E8
11990	Qiqihar, Heilongjiang	30	225	43NE,44NW	0400-0900	1
13710	Qiqihar, Heilongjiang	30	203	44S	0900-1200	1
13825	Beijing	30	175	44S	0100-0900	3EA
13850	Qiqihar	30	225	43NE,44NW	0000-0400	1
15180	Kunming, Yunnan	30	032	43NE,44NW	0100-0400 and 0800-1100	2
17770	Dongfang, Hainan	30	016	43NW,44NE	0100-0900	3ED
17800	Kunming, Yunnan	30	032	43NE,44NW	0400-0800	2
17830	Urumqi, Xinjiang	30	098	43NE,44NW	0100-0800	3EC

Additional test transmission using the HFCC registered CRI frequencies of Kunming transmitter site. Power 150 kW, 135° (CIRAF 55,59,60) transmission identification code 3F9:

0100-0300 on 12020 kHz

0300-0500 on 13740 & 15590 kHz

0500-0900 on 15590 & 15695 kHz

(cahcn.github.io, 26 March 2021, via Takahito Akabayashi, Tokyo, Japan, WOR iog, with updates for A22 made by referring to current HFCC registrations)

International broadcasting on shortwave

China Radio International

China Radio International (CRI) is a state-owned international radio broadcaster of China. It is headquartered in the Babaoshan area of Beijing's Shijingshan District. It was founded on December 3, 1941, as Radio Peking. It later adopted the pinyin form Radio Beijing. It has 32 overseas correspondent bureaux and 6 main regional bureaux, and broadcasts over 2,700 hours of programming each day (24 hours in English), including news, current affairs, and features on politics, the economy, culture, science and technology. Its overseas reporting involves 65 languages. More than 50 shortwave transmitters are used to cover most of the world.

CRI notes:

- The Cërrik transmitting station in Albania is leased to CRI. However, since the A20 season no broadcasts have been heard despite frequencies having been registered with HFCC. These are excluded from this schedule.
- Transmissions in several languages now consist of music only - there is no actual programming. To identify these easily a content column has been added below (C.) with P indicating normal programmes and M for music only.
- "China Radio Plus", the global English service of China Radio International, renamed "CGTN Radio" on December 14, 2021. Also the slogan of the service "Connecting with China and the World" was replaced with "Hear the difference", which corresponds to CGTN's slogan "See the difference". Along with this, the percentage of "CGTN Radio" in the contents of 24H CRI English AM service in Beijing (846kHz, 10kW) has been increased. The original article is at <https://cahcn.github.io/posts/2021-12-17-CGTN-Radio.html>. By the way, CGTN is the abbreviation of "China Global TV Network", which was set up in December 31, 2016, for Chinese global TV propaganda. (Takahito Akabayashi, Tokyo, Japan, 27 December 2021 via World of Radio iog)

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>C</i>	<i>kHz</i>	<i>Tr. site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0100	Daily	Cantonese	M	11820	Xian	500	200	49,54W	South-East Asia
				17490	Beijing	500	193	49E,54	South-East Asia
0000-0100	Daily	Chinese	P	9880	Kunming	100	184	49	South-East Asia
				11780	Jinhua	500	059	44NE,45N	Far East
				11900	Beijing	150	095	44NE,45N	Far East
				11975	Kunming	500	177	49S,54W	South-East Asia
				12035	Xian	500	200	49,54W	South-East Asia
				13580	Beijing	500	215	49,54W	South-East Asia
				13655	Xian	500	073	44NE,45N	Far East
0000-0100	Daily	English	P	6075	Kashi	100	174	41	South Asia
				6180	Kashi	100	173	41	South Asia
				7350	Kashi	500	308	27-29	Europe
				7425	Kashi	100	174	41	South Asia
				11865	Xian	500	190	49E	South-East Asia
				11885	Xian	500	200	49,54W	South-East Asia
				13750	Beijing	150	095	44NE,45N	Far East
				15125	Beijing	500	215	49,54W	South-East Asia
0000-0100	Daily	Hakka	M	9460	Kunming	150	163	49NE	South-East Asia
				9550	Kunming	150	191	49,54NW	South-East Asia
				9610	Kunming	100	225	49	South-East Asia
				15100	Beijing	500	165	50	South-East Asia
0000-0100	Daily	Khmer	M	9765	Nanning	100	200	54E	South-East Asia
				11990	Nanning	100	200	54E	South-East Asia
0000-0100	Daily	Mongolian	P	9470	Xian	500	354	32S,33SW	Central Asia
				11875	Beijing	500	318	32S,33SW	Central Asia
0000-0100	Daily	Portuguese	M	9710	Kashi	500	269	13S,15W	South America
				15600	Beijing	500	318	12-14	South America
0000-0100	Daily	Russian	P	7430	Huhhot	100	345	31-33	Siberia
				9445	Huhhot	100	345	31-33	Siberia
0000-0100	Daily	Spanish	P	5990	La Habana	250	ND	10E,11W	Caribbean
				9590	Kashi	500	294	14	South America
				9800	Kashi	500	269	14	South America
0000-0100	Daily	Vietnamese	P	11770	Beijing	500	193	49E	South-East Asia
				13770	Xian	500	190	49E	South-East Asia
0100-0200	Daily	Amoy	M	9460	Kunming	150	163	49E,54	South-East Asia
				9550	Kunming	150	191	49,54NW	South-East Asia
				9610	Kunming	100	225	49	South-East Asia
				11945	Kunming	150	177	49,54W	South-East Asia
				11980	Kunming	100	184	49,54	South-East Asia
				15100	Beijing	500	165	50	South-East Asia
				15425	Xian	500	190	49,54	South-East Asia
				17490	Beijing	500	193	49E,54	South-East Asia

0100-0200	Daily	Chinese	P	9560	Kashi	100	173	41	South Asia
				9655	Nanning	100	200	49SE	South-East Asia
				11650	Urumqi	500	212	41	South Asia
				11770	Nanning	100	200	49SE	South-East Asia
				13580	Beijing	500	215	49,54W	South-East Asia
				13655	Xian	500	073	44NE,45N	Far East
				15140	Xian	500	200	49,54W	South-East Asia
				15160	Jinhua	500	059	44NE,45N	Far East
0100-0200	Daily	English	P	6180	Kashi	100	174	41	South Asia
				9470	Kashi	500	308	27-29	Europe
				9535	Kashi	100	173	41	South Asia
				9580	La Habana	250	108	ND	Caribbean
				9675	Kashi	500	308	27-29	Europe
				11770	Kashi	100	174	41	South Asia
				15125	Beijing	500	215	49,54W	South-East Asia
				15785	Xian	500	200	49,54W	South-East Asia
0100-0200	Daily	Russian	P	5990	Kashi	100	000	30SE,31SW	Central Asia
				13600	Xian	500	292	30S,31S,40E	Caucasus
0100-0200	Daily	Spanish	P	9590	Kashi	500	269	12-14	South America
				9710	Kashi	500	294	12-14	South America
0100-0200	Daily	Urdu	P	7240	Kashi	100	209	41NW	South Asia
				9695	Kashi	100	209	41NW	South Asia
0130-0230	Daily	Nepali	P	11860	Kunming	500	283	42S	South Asia
				13780	Kunming	500	283	42S	South Asia
0200-0230	Daily	Pashto	P	9765	Kashi	100	239	40E	West Asia
				11870	Kashi	100	239	40E	West Asia
				15435	Xian	500	292	30S,31S,40E	West Asia
0200-0300	Daily	Amoy	M	15425	Xian	500	190	49,54	South-East Asia
				17490	Beijing	500	193	49E,54	South-East Asia
0200-0300	Daily	Bengali	M	9655	Kunming	150	270	41NE	South Asia
				11640	Kunming	150	270	41NE	South Asia
0200-0300	Daily	Chinese	P	9580	La Habana	250	010	8	North America
				9815	Kashi	500	269	13S,14,15W	South America
				9825	Urumqi	500	212	41	South Asia
				13655	Xian	500	073	44NE,45N	Far East
				15140	Beijing	500	322	13	South America
				15160	Jinhua	500	059	44NE,45N	Far East
0200-0300	Daily	English	P	11770	Kashi	100	174	41	South Asia
				13640	Kashi	100	174	41	South Asia
0200-0300	Daily	Russian	P	6180	Kashi	100	000	30SE,31SW	Central Asia
				17640	Xian	500	292	30S,31S,40E	Caucasus
0200-0300	Daily	Spanish	P	9590	Kashi	500	269	12-14	South America
				9710	Kashi	500	294	12-14	South America
0200-0300	Daily	Tamil	P	13600	Kashi	100	173	41S	South Asia
				15260	Kashi	100	173	41S	South Asia
0200-0300	Daily	Urdu	P	9540	Kashi	100	209	41NW	South Asia
				11650	Kashi	100	209	41NW	South Asia
0230-0330	Daily	Nepali	P	11730	Kunming	500	283	42S	South Asia
				13780	Kunming	500	283	42S	South Asia
0300-0400	Daily	Chinese	P	9450	Kashi	100	209	41NW	South Asia
				11740	Beijing	150	095	44NE,45N	Far East
				15160	Jinhua	500	059	44NE,45N	Far East
				15230	Xian	500	073	44NE,45N	Far East
				17540	Beijing	500	257	41	South Asia
0300-0400	Daily	English	P	9790	La Habana	250	305	6,7SW	Western North America
				12000	Kashi	100	174	41	South Asia
				13590	Beijing	150	095	44NE,45N	Far East
				15110	Kashi	100	174	41	South Asia
				15120	Beijing	500	322	31,32	North Asia
				15785	Xian	500	354	32,33W	North Asia
0300-0400	Daily	Hindi	P	11640	Kashi	100	209	41NW	South Asia
				13720	Kashi	100	209	41NW	South Asia
				15210	Kashi	100	173	41	South Asia
				15350	Kashi	100	174	41	South Asia
0300-0400	Daily	Russian	P	6180	Kashi	100	000	30SE,31SW	Central Asia
				11710	Urumqi	500	270	30S	Central Asia
				17640	Xian	500	292	30S,31S,40E	Caucasus
				17710	Jinhua	500	310	29,30	Eastern Europe

0300-0400	Daily	Tamil	P	13600	Kunming	150	234	41S	South Asia
				13730	Kashi	100	173	41S	South Asia
0400-0500	Daily	Cantonese	M	9790	La Habana	250	305	6,7SW	Western North America
				15160	Jinhua	500	059	44NE,45N	Far East
				15230	Xian	500	073	44NE,45N	Far East
0400-0500	Daily	Chinese	P	11740	Beijing	150	095	44NE,45N	Far East
				13640	Kashi	100	209	41NW	South Asia
				15110	Kashi	100	174	41	South Asia
0400-0500	Daily	English	P	13590	Beijing	150	095	44NE,45N	Far East
				15120	Beijing	500	322	31,32	North Asia
				15785	Xian	500	354	32,33W	North Asia
				17730	Xian	500	292	30S,31S,40E	Central Asia
				17855	Beijing	500	288	29S,30S,31S	Central Asia
0400-0500	Daily	Hakka	M	15350	Kashi	100	174	41	South Asia
				17510	Xian	500	200	49,54W	South-East Asia
				17540	Kashi	100	173	41	South Asia
				17710	Beijing	500	193	49E,54	South-East Asia
0400-0500	Daily	Russia	P	6180	Kashi	100	000	30SE,31SW	Central Asia
				15445	Kashi	500	308	29,30	Eastern Europe
				15665	Urumqi	500	308	29,30	Eastern Europe
				17640	Xian	500	292	30S,31S,40E	Central Asia
0400-0500	Daily	Vietnamese	P	11650	Kunming	100	184	49E	South-East Asia
				17740	Xian	500	190	49E	South-East Asia
0500-0600	Daily	Arabic	P	17485	Kashi	500	269	37E,38-40,47E,48NW	Arab World
0500-0600	Daily	Cantonese	M	15160	Jinhua	500	059	44NE,45N	Far East
				15230	Xian	500	073	44NE,45N	Far East
0500-0600	Daily	Chinese	P	11740	Beijing	150	095	44NE,45N	Far East
				15110	Kashi	100	174	41	South Asia
				15120	Beijing	500	322	31,32	North Asia
				15785	Xian	500	354	32,33W	North Asia
0500-0600	Daily	English	P	11895	Kashi	100	209	41NW	South Asia
				15350	Kashi	100	174	41	South Asia
				15465	Kashi	100	209	41NW	South Asia
				17510	Kashi	500	269	37-40,47E,48NW	North Africa, Middle East
				17540	Kashi	100	173	41	South Asia
				17730	Xian	500	292	30S,31S,40E	Central Asia
				17855	Beijing	500	288	29S,30S,31S	Central Asia
0500-0600	Daily	German	M	17615	Urumqi	500	308	28NW	Europe
				17720	Kashi	500	308	28NW	Europe
0500-0600	Daily	Russian	P	15445	Kashi	500	308	29,30	Eastern Europe
				15665	Urumqi	500	308	29,30	Eastern Europe
0500-0600	Daily	Vietnamese	P	11650	Kunming	100	184	49E	South-East Asia
				17740	Xian	500	190	49E	South-East Asia
0600-0700	Daily	Arabic	P	17485	Kashi	500	269	37E,38-40,47E,48NW	Arab World
0600-0700	Daily	Chinese	P	11710	Nanning	100	200	49SE	South-East Asia
				15120	Beijing	500	322	31,32	North Asia
				15160	Jinhua	500	059	44NE,45N	Far East
				15230	Xian	500	073	44NE,45N	Far East
				15785	Xian	500	354	32,33W	North Asia
				17615	Kunming	500	177	49S,54W	South-East Asia
				17650	Kashi	500	308	27-29	Europe
				17740	Xian	500	190	49,54	South-East Asia
0600-0700	Daily	English	P	11870	Kashi	100	239	39S,40S	West Asia
				11895	Kashi	100	209	41NW	South Asia
				11925	Nanning	100	142	44S,50	South-East Asia
				13645	Xian	500	200	49,54W	South-East Asia
				15145	Kashi	100	239	39S,40S	West Asia
				15350	Kashi	100	174	41	South Asia
				15465	Kashi	100	209	41NW	South Asia
				17510	Kashi	500	269	37-40,47E,48NW	N Africa, M East
				17540	Kashi	100	173	41	South Asia
				17710	Beijing	500	193	49E,54	South-East Asia
0600-0700	Daily	German	M	17615	Urumqi	500	308	28NW	Europe
				17720	Kashi	500	308	28NW	Europe
0600-0700	Daily	French	P	17865	Kashi	500	308	27SE	Europe
0600-0700	Daily	Italian	M	17520	Kashi	500	294	28SW	Europe
0600-0700	Daily	Spanish	P	17680	Kashi	500	294	37NW	Europe

0700-0800	Daily	Amoy	M	15145	Xian	500	200	49,54W	South-East Asia
				17750	Xian	500	200	49,54W	South-East Asia
0700-0800	Daily	Cantonese	M	11640	Jinhua	500	059	44NE,45N	Far East
				15230	Xian	500	073	44NE,45N	Far East
0700-0800	Daily	Chinese	P	11710	Nanning	100	200	49SE	South-East Asia
				11875	Nanning	100	200	49SE	South-East Asia
				17615	Kunming	500	177	49S,54W	South-East Asia
				17650	Kashi	500	308	27-29	Europe
				17740	Xian	500	190	49,54	South-East Asia
				17840	Kashi	100	174	41	South Asia
0700-0800	Daily	English	P	11895	Kashi	100	209	41NW	South Asia
				13660	Xian	500	200	49,54W	South-East Asia
				15350	Kashi	100	174	41	South Asia
				15465	Kashi	100	209	41NW	South Asia
				17490	Kashi	500	308	27-29	Europe
				17540	Kashi	100	173	41	South Asia
0700-0800	Daily	French	P	17865	Kashi	500	308	27SE	Europe
0700-0800	Daily	Spanish	P	17680	Kashi	500	294	37NW	Europe
0800-0900	Daily	Chinese	P	9880	Beijing	150	095	44NE,45N	Far East
				11640	Jinhua	500	059	44NE,45N	Far East
				15230	Xian	500	073	44NE,45N	Far East
				15560	Xian	500	292	30S,31S,40E	Central Asia
				17560	Xian	500	292	30S,31S,40E	Central Asia
				17650	Kashi	500	308	27-29	Europe
				17840	Kashi	100	174	41	South Asia
0800-0900	Daily	English	P	11710	Xian	500	073	44NE,45N	Far East
				11895	Kashi	100	209	41NW	South Asia
				15350	Kashi	100	174	41	South Asia
				15465	Kashi	100	209	41NW	South Asia
				17490	Kashi	500	308	27-29	Europe
				17540	Kashi	100	173	41	South Asia
				17670	Kashi	500	269	37-40,47E,48NW	N Africa, M East
0800-0900	Daily	Russian	P	15335	Kashi	500	308	29,30	Eastern Europe
				15665	Urumqi	500	308	29,30	Eastern Europe
0830-0930	Daily	Indonesian	P	15135	Kunming	500	177	54	South-East Asia
				17735	Kunming	100	175	54	South-East Asia
0900-1000	Daily	Chinese	P	7430	Jinhua	500	059	44NE,45N	Far East
				9460	Nanning	100	200	49SE	South-East Asia
				9880	Nanning	100	142	44S,50	South-East Asia
				9880	Beijing	150	095	44NE,45N	Far East
				11895	Nanning	100	200	49SE	South-East Asia
				11980	Kunming	100	184	49,54	South-East Asia
				13570	Xian	500	073	44NE,45N	Far East
				13850	Beijing	500	193	49E,54	South-East Asia
				15250	Kunming	100	122	50	South-East Asia
				15525	Urumqi	500	212	41	South Asia
				15560	Xian	500	292	30S,31S,40E	Central Asia
				17530	Xian	500	190	49,54	South-East Asia
				17560	Xian	500	292	30S,31S,40E	Central Asia
				17840	Kashi	100	174	41	South Asia
0900-1000	Daily	English	P	11710	Xian	500	073	44NE,45N	Far East
				11905	Jinhua	500	150	55,59,60	Australasia
				13800	Kunming	500	135	55,59,60	Australasia
				15350	Kashi	100	174	41	South Asia
				17490	Kashi	500	308	27-29	Europe
				17570	Urumqi	500	308	28N	Europe
				17650	Kashi	500	308	27-29	Europe
				17750	Kashi	100	173	41	South Asia
0900-1000	Daily	Romanian	M	15260	Kashi	500	294	28E	Europe
0900-1000	Daily	Russian	P	15335	Kashi	500	308	29,30	Eastern Europe
				15665	Urumqi	500	308	29,30	Eastern Europe
0930-1030	Daily	Malay	P	15135	Kunming	500	177	54N	South-East Asia
				17680	Kunming	100	175	54N	South-East Asia
1000-1100	Daily	Cantonese	M	11875	Kunming	500	135	55,59,60	Australasia
				12005	Kunming	500	135	55,56,58-60	Australasia

1000-1100	Daily	Chinese	P	9460	Nanning	100	200	49SE	South-East Asia				
				9820	Beijing	500	322	30N,31,32N	Central Asia				
				9880	Beijing	150	095	44NE,45N	Far East				
				9890	Xian	500	354	32,33W	North Asia				
				11980	Kunming	100	184	49,54	South-East Asia				
				13850	Beijing	500	193	49E,54	South-East Asia				
				15250	Kunming	100	122	50	South-East Asia				
				15525	Urumqi	500	212	41	South Asia				
				17530	Xian	500	190	49,54	South-East Asia				
				17650	Kashi	500	308	27-29	Europe				
				17840	Kashi	100	174	41	South Asia				
				1000-1100	Daily	English	P	11635	Beijing	500	318	30N,31,32N	Central Asia
								11895	Xian	500	354	32N,33W	North Asia
								11905	Jinhua	500	150	55,59,60	Australasia
13570	Xian	500	073					44NE,45N	Far East				
13580	Kunming	500	135					55,59,60	Australasia				
13590	Beijing	500	193					49E,54	South-East Asia				
13720	Xian	500	200					49,54W	South-East Asia				
15350	Kashi	100	174					41	South Asia				
17490	Kashi	500	308					27-29	Europe				
17750	Kashi	100	173					41	South Asia				
1000-1100	Daily	Hungarian	P					15220	Kashi	500	298	28N	Europe
								17570	Kashi	500	298	28N	Europe
1000-1100	Daily	Japanese	P					7325	Jinhua	500	059	44NE,45N	Far East
								11620	Xian	500	073	44NE,45N	Far East
1000-1100	Daily	Russian	P	7390	Huhhot	100	345	32N,33N	Siberia				
				9725	Huhhot	100	345	32N,33N	Siberia				
				11935	Shijiazhuang	500	037	33E,34	Far East				
1030-1130	Daily	Indonesia	P	15135	Kunming	100	175	54	South-East Asia				
				17605	Kunming	500	177	54	South-East Asia				
1030-1130	Daily	Khmer	M	9490	Kunming	150	177	49SE	South-East Asia				
				15160	Nanning	100	200	49SE	South-East Asia				
1100-1200	Daily	Amoy	M	9440	Kunming	150	163	49E,54	South-East Asia				
				11875	Kunming	500	177	49,54W	South-East Asia				
1100-1200	Daily	Bulgarian	M	15180	Kashi	500	294	28SE	Europe				
1100-1200	Daily	Burmese	P	9880	Kunming	100	225	49W	South-East Asia				
1100-1200	Daily	Cantonese	M	7370	Nanning	100	200	49SE	South-East Asia				
				9540	Beijing	500	142	55,59,60	Australasia				
				9590	Kunming	150	191	49E,54	South-East Asia				
				9645	Beijing	500	215	49,54W	South-East Asia				
				7435	Beijing	150	095	44NE,45N	Far East				
1100-1200	Daily	Chinese	P	11750	Beijing	500	142	55,59,60	Australasia				
				13690	Kashi	100	209	41NW	South Asia				
				13755	Kashi	100	174	41	South Asia				
				17650	Kashi	500	308	27-29	Europe				
				15220	Kashi	500	298	28N	Europe				
1100-1200	Daily	Czech	M	17570	Kashi	500	298	28NE	Europe				
				5955	Beijing	150	095	44NE,45N	Far East				
1100-1200	Daily	English	P	9500	Kashi	100	209	41NW	South Asia				
				11650	Urumqi	500	212	41W	South Asia				
				11795	Kashi	100	174	41	South Asia				
				13590	Beijing	500	193	49E,54	South-East Asia				
				13720	Xian	500	200	49,54W	South-East Asia				
				15660	Kashi	100	173	41	South Asia				
				17490	Kashi	500	308	27-29	Europe				
				11635	Urumqi	100	080	44NE,45N	Far East				
1100-1200	Daily	Esperanto	P	15110	Urumqi	100	080	44NE,45N	Far East				
				7325	Jinhua	500	059	44NE,45N	Far East				
1100-1200	Daily	Japanese	P	11620	Xian	500	073	44NE,45N	Far East				
				13570	Xian	500	073	44NE,45N	Far East				
1100-1200	Daily	Korean	P	7390	Huhhot	100	345	31-33	Central Asia				
1100-1200	Daily	Mongolian	P	11985	Urumqi	100	080	32S,33SW	Central Asia				
				9725	Huhhot	100	345	32N,33N	Siberia				
1100-1200	Daily	Russian	P	9890	Beijing	500	318	30N,31,32N	Siberia				
				11935	Shijiazhuang	500	037	33E,34	Far East				
				9550	Beijing	500	193	49E	South-East Asia				
				11720	Baoji	150	195	49E	South-East Asia				
				17530	Xian	500	190	49,54W	South-East Asia				

1130-1200	Daily	Tagalog	M	5985	Beijing	500	165	50	South-East Asia
				7410	Jinhua	500	172	50	South-East Asia
				7410	Nanning	100	130	50	South-East Asia
				11955	Kunming	100	122	50	South-East Asia
				12070	Xian	500	145	50	South-East Asia
				12070	Nanning	100	130	50	South-East Asia
1130-1230	Daily	Thai	P	7360	Kunming	100	184	49	South-East Asia
				9785	Kunming	150	191	49	South-East Asia
1200-1230	Daily	Cantonese	M	9570	La Habana	250	010	8	Eastern North America
1200-1230	Daily	Tagalog	M	9720	Nanning	100	130	50	South-East Asia
				11955	Kunming	100	122	50	South-East Asia
				17510	Xian	500	145	50	South-East Asia
1200-1300	Daily	Amoy	M	11910	Beijing	500	165	50	South-East Asia
1200-1300	Daily	Chinese	P	7390	Beijing	150	095	44NE,45N	Far East
				7440	Nanning	100	200	49E,54W	South-East Asia
				9540	Kunming	500	283	41N,42S	South Asia
				9855	Beijing	500	215	49,54W	South-East Asia
				13610	Kashi	100	209	41NW	South Asia
				13755	Kashi	100	174	41	South Asia
				15110	Urumqi	500	270	39S,40N	West Asia
				17650	Kashi	500	308	27-29	Europe
				5955	Beijing	150	095	44NE,45N	Far East
				9460	Kashi	100	174	41	South Asia
1200-1300	Daily	English	P	9500	Kashi	100	209	41NW	South Asia
				9600	Kunming	150	163	49E,54	South-East Asia
				9645	Beijing	500	215	49,54W	South-East Asia
				9730	Kunming	100	225	49	South-East Asia
				9760	Kunming	500	135	55,59,60	Australasia
				11650	Urumqi	500	212	41	South Asia
				11670	Xian	500	292	30S,31S,40E	Central Asia
				11760	Kunming	500	135	55,59,60	Australasia
				11980	Kunming	150	177	49,54W	South-East Asia
				15590	Urumqi	500	308	27-29	Europe
				15660	Kashi	100	173	41	South Asia
				17490	Kashi	500	308	27-29	Europe
1200-1300	Daily	French	P	17560	Kashi	500	308	27SE	Europe
1200-1300	Daily	Japanese	P	7325	Jinhua	500	059	44NE,45N	Far East
				11620	Xian	500	073	44NE,45N	Far East
1200-1300	Daily	Khmer	M	9440	Kunming	150	163	49SE	South-East Asia
				11680	Nanning	100	200	49SE	South-East Asia
1200-1300	Daily	Korean	P	13570	Xian	500	073	44NE,45N	Far East
1200-1300	Daily	Mongolian	P	6050	Huhhot	100	345	32S,33SW	East Asia
				5990	Huhhot	100	345	32S,33SW	East Asia
1200-1300	Daily	Russian	P	6100	Beijing	500	055	33SE,34	Siberia
				7230	Kashi	100	000	30SE,31SW	Central Asia
				11935	Shijiazhuang	500	315	33E,34	Far East
				13575	Urumqi	500	308	29,30	Eastern Europe
				13600	Xian	500	292	30S,31S,40E	Caucasus
				15335	Shijiazhuang	500	037	33E,34	Far East
1200-1300	Daily	Serbian	M	15180	Kashi	500	294	28S	Europe
1200-1300	Daily	Vietnamese	P	9550	Beijing	500	193	49E	South-East Asia
				11640	Xian	500	190	49,54NW	South-East Asia
				11720	Baoji	150	195	49E	South-East Asia
1200-1400	Daily	News Radio Chinese	P	11790	Kashi	100	239	39S,48N	M East/NW Africa
				13810	Kashi	100	239	39S,48N	M East/NW Africa
1230-1330	Daily	Lao	P	7360	Kunming	100	184	49E	South-East Asia
				9785	Kunming	150	191	49NE	South-East Asia
1230-1330	Daily	Malay	P	11955	Kunming	500	177	54N	South-East Asia
				13795	Kunming	100	175	54N	South-East Asia
1300-1400	Daily	Bengali	M	9490	Kunming	150	270	41NE	South Asia
				9600	Baoji	150	255	41NE	South Asia
				11610	Kunming	150	270	41NE	South Asia
1300-1400	Daily	Burmese	P	9880	Kunming	100	225	49W	South-East Asia
				11780	Kunming	100	225	49W	South-East Asia
1300-1400	Daily	Chinese	P	7215	Xian	500	190	49,54NW	South-East Asia
				7435	Beijing	150	095	44NE,45N	Far East
				7440	Nanning	100	200	49E,54W	South-East Asia
				9540	Kunming	500	283	41N,42S	South Asia

				9855	Beijing	500	215	49,54W	South-East Asia
				13650	Urumqi	500	270	39S,40N	West Asia
				13855	Kashi	500	308	27-29	Europe
1300-1400	Daily	English	P	5955	Beijing	150	095	44NE,45N	Far East
				9500	Kashi	100	209	41NW	South Asia
				9730	Nanning	100	142	44S,50	South-East Asia
				9730	Beijing	500	193	49E,54	South-East Asia
				9765	Baoji	150	288	29S,30S	Central Asia
				9870	Xian	500	200	49,54W	South-East Asia
				11910	Beijing	500	165	50	South-East Asia
				11980	Kunming	150	177	49,54W	South-East Asia
				13670	Kashi	500	308	27-29	Europe
				13755	Kashi	100	174	41	South Asia
				15590	Urumqi	500	308	27-29	Europe
1300-1400	Daily	Esperanto	P	9440	Nanning	100	200	49SE	South-East Asia
				11650	Beijing	500	215	49,54W	South-East Asia
1300-1400	Daily	French	P	17560	Kashi	500	308	27SE	Europe
				17650	Kashi	500	308	27SE	Europe
1300-1400	Daily	Hindi	P	9450	Kashi	100	174	41	South Asia
				11675	Urumqi	500	212	41	South Asia
1300-1400	Daily	Japanese	P	7325	Xian	500	073	44NE,45N	Far East
				7410	Jinhua	500	059	44NE,45N	Far East
1300-1400	Daily	Korean	P	12025	Xian	500	073	44NE,45N	Far East
1300-1400	Daily	Mongolian	P	6100	Urumqi	100	090	32S,33SW	Central Asia
				7285	Beijing	500	318	32S,33SW	Central Asia
1300-1400	Daily	Russian	P	5990	Huhhot	100	345	32N,33N	Siberia
				6050	Huhhot	100	345	32N,33N	Siberia
				7230	Kashi	100	000	30SE,31SW,40E	Central Asia
				9675	Shijiazhuang	500	037	33E,34	Far East
				13600	Xian	500	292	29S,30S,40E	West Asia
1300-1400	Daily	Vietnamese	P	9550	Beijing	500	193	49E	South-East Asia
				9685	Xian	500	190	49E	South-East Asia
<u>1310-1400</u>	Daily	French	P	13685*	Bamako	100	111	53	Central Africa, Madagascar
				17880*	Bamako	100	111	53	Central Africa, Madagascar
1330-1430	Daily	Thai	P	7360	Kunming	100	184	49	South-East Asia
				9785	Kunming	150	191	49	South-East Asia
1330-1430	Daily	Indonesian	P	9535	Kunming	100	175	54	South-East Asia
				11955	Kunming	500	177	54	South-East Asia
1400-1500	Daily	Amoy	M	9655	Kunming	100	225	49	South-East Asia
				11650	Kunming	150	177	49,54W	South-East Asia
1400-1500	Daily	Bengali	M	9490	Kunming	150	270	41NE	South Asia
				11610	Kunming	150	270	41NE	South Asia
1400-1500	Daily	Burmese	P	11780	Kunming	100	225	49W	South-East Asia
1400-1500	Daily	Chinese	P	6040	Xian	500	190	54	South-East Asia
				7235	Kashi	100	173	41	South Asia
				7410	Beijing	500	215	49,54W	South-East Asia
				7435	Beijing	150	095	44NE,45N	Far East
				9730	Kashi	100	174	41	South Asia
				12025	Urumqi	500	270	30,31S,40E	Central Asia
				13855	Kashi	500	308	27-29	Europe
				15410	Kashi	500	308	27-29	Europe
1400-1500	Daily	English	P	5955	Beijing	150	095	44NE,45N	Far East
				9765	Baoji	150	288	30S,31S,40E	Caucasus
				9870	Xian	500	200	49,54W	South-East Asia
				11675	Urumqi	500	212	41W	South Asia
				11765	Urumqi	500	212	41W	South Asia
				11815	Urumqi	500	270	30S,31S,40E	West Asia
				13685*	Bamako	100	111	53	East Africa
				13710	Kashi	500	308	27-29	Europe
				15590	Urumqi	500	308	27-29	Europe
				17630*	Bamako	100	085	47E,48	North-East Africa
1400-1500	Daily	Japanese	P	7360	Xian	500	073	44NE,45N	Far East
				7410	Jinhua	500	059	44NE,45N	Far East
1400-1500	Daily	Khmer	M	6055	Nanning	100	200	49SE	South-East Asia
				9880	Nanning	100	200	49SE	South-East Asia
1400-1500	Daily	Korean	P	5965	Xian	500	073	44NE,45NW	Far East
1400-1500	Daily	Mongolian	P	5915	Huhhot	100	345	32S,33SW	East Asia
				5990	Huhhot	100	345	32S,33SW	East Asia

1400-1500	Daily	Nepali	P	7250	Xian	500	252	42S	South Asia
				7435	Kunming	500	283	42S	South Asia
1400-1500	Daily	Russian	P	6155	Kashi	100	000	30SE,31SW,40E	Central Asia
				9675	Shijiazhuang	500	37	33E,34	Far East
				11910	Xian	500	292	30S,31S,40E	Caucasus
1400-1500	Daily	Sinhala	P	7265	Kashi	100	174	41SE	South Asia
				9740	Jinhua	500	258	41SE	South Asia
1400-1500	Daily	Tamil	P	11685	Kashi	100	173	41S	South Asia
				13600	Kashi	100	174	41S	South Asia
1400-1500	Daily	Urdu	P	9800	Kashi	100	209	41NW	South Asia
				11660	Kunming	500	300	41N	South Asia
1400-1500	Daily	Vietnamese	P	9550	Beijing	500	193	49E	South-East Asia
				12010	Baoji	150	195	49E	South-East Asia
1430-1530	Daily	Lao	P	7360	Kunming	100	184	49E	South-East Asia
				9785	Kunming	150	191	49NE	South-East Asia
1430-1500	Daily	Tagalog	M	7325	Nanning	100	130	50	South-East Asia
				7325	Beijing	500	165	50	South-East Asia
				11640	Nanning	100	130	50	South-East Asia
				11640	Beijing	500	165	50	South-East Asia
1500-1530	Daily	Pashto	P	9665	Kashi	100	239	40E	West Asia
				11665	Kunming	500	300	40E	West Asia
1500-1530	Daily	Persian	P	9570	Urumqi	500	270	40	West Asia
				9600	Kashi	500	269	40W	West Asia
1500-1600	Daily	Bengali	M	9490	Kunming	150	270	41NE	South Asia
				9610	Kunming	150	270	41NE	South Asia
1500-1600	Daily	Chinese	P	6155	Beijing	500	215	49,54W	South-East Asia
				7235	Kashi	100	173	41	South Asia
				7435	Beijing	150	095	44NE,45N	Far East
				9455	Kunming	150	191	49,54NW	South-East Asia
				9560	Kashi	100	174	41	South Asia
				13680	Kashi	500	308	27-29	Europe
				13755	Kashi	500	308	27-29	Europe
1500-1600	Daily	English	P	5955	Beijing	150	095	44NE,45N	Far East
				7325	Beijing	500	193	49E,54	South-East Asia
				7445	Urumqi	500	212	41W	South Asia
				9675	Jinhua	500	280	41	South Asia
				9870	Xian	500	200	49,54W	South-East Asia
				9880	Nanning	100	200	49SE	South-East Asia
				11610	Kashi	500	269	37SE,38,39,40W,47N	N Africa, M East
				13630	Urumqi	500	270	38,39N,40W,47N	N Africa, M East
				13640	Kashi	500	298	27-29	Europe
				13685	Bamako	100	111	53	East Africa
				15245	Kashi	500	308	27-29	Europe
				17630	Bamako	100	085	47E,48	North-East Africa
1500-1600	Daily	Hindi	P	7225	Urumqi	500	212	41W	South Asia
				7265	Kashi	100	174	41	South Asia
1500-1600	Daily	Japanese	P	7410	Jinhua	500	059	44NE,45N	Far East
				9585	Xian	500	073	44NE,45N	Far East
1500-1600	Daily	Nepali	P	7250	Xian	500	252	42S	South Asia
				7435	Kunming	500	283	42S	South Asia
1500-1600	Daily	Russian	P	5965	Beijing	500	055	33SE,34	Siberia
				5990	Huhhot	100	345	32N,33N	Siberia
				6085	Huhhot	100	345	32N,33N	Siberia
				6100	Kashi	100	000	30SE,31SW,40E	Central Asia
				9880	Xian	500	292	30S,31S,40E	Caucasus
				11790	Urumqi	500	308	18,27-29	Europe
				13860	Shijiazhuang	500	315	29-31	Eastern Europe
500-1600	Daily	Tamil	P	9690	Kashi	100	174	41S	South Asia
				11685	Kashi	100	173	41S	South Asia
1500-1600	Daily	Turkish	P	9565	Kunming	500	300	39NW	Middle East
1500-1600	Daily	Urdu	P	7285	Kashi	100	209	41NW	South Asia
				9535	Kashi	100	209	41NW	South Asia
1500-1600	Daily	Vietnamese	P	9550	Beijing	500	193	49E	South-East Asia
1530-1600	Daily	Pashto	P	9570	Urumqi	500	270	40E	West Asia
				9665	Kashi	100	239	40E	West Asia
				11665	Kunming	500	300	40E	West Asia

1600-1700	Daily	Arabic	P	13790	Kashi	500	269	37SE,38,39,40W	Arab World
				15125	Bamako	100	085	47E,48NW	Arab World
				17880	Bamako	100	020	37	Arab World
1600-1700	Daily	English	P	6060	Kunming	150	163	49E,54	South-East Asia
				6175	Nanning	100	200	49SE	South-East Asia
				7235	Kashi	100	173	41	South Asia
				9570	Beijing	500	257	52E,53,57N	Central Africa
				9880	Nanning	100	200	49SE	South-East Asia
				11900	Jinhua	500	255	48,53,57N	East Africa
				11940	Kashi	500	294	27-29,37NW	Europe
				11965	Kashi	500	298	27-29	Europe
				13760	Kashi	500	308	27-29	Europe
				15250	Urumqi	500	270	38,39N,40W,47N	NW Africa/M East
1600-1700	Daily	French	P	11690	Kashi	500	308	27SE	Europe
1600-1700	Daily	German	M	9535	Baoji	150	317	28	Europe
				11725	Xian	500	317	28	Europe
1600-1700	Daily	Hakka	M	9770	Urumqi	500	212	53S,57N	Southern Africa
				11880	Xian	500	252	53S,57N	Southern Africa
1600-1700	Daily	Hindi	P	6100	Kashi	100	209	41NW	South Asia
				7265	Kunming	500	283	41	South Asia
1600-1700	Daily	Russian	P	5995	Kashi	100	000	30SE,31SW,40E	Central Asia
				9605	Beijing	500	318	29,30	Eastern Europe
				9730	Shijiazhuang	500	315	29-31	Eastern Europe
				11785	Urumqi	500	308	29,30	Eastern Europe
1600-1700	Daily	Swahili	P	5985	Beijing	500	257	48SW,53NW	East Africa
				7245	Xian	500	252	48SW,53NW	East Africa
1600-1700	Daily	Turkish	P	6165	Urumqi	500	270	39N	Middle East
				7325	Kunming	500	300	39NW	Middle East
1600-1700	Daily	Vietnamese	P	7315	Kunming	100	184	49E	South-East Asia
				9550	Beijing	500	193	49E	South-East Asia
1630-1730	Daily	Hausa	P	9685	Kunming	500	283	46E	West Africa
				13870	Kashi	500	269	46E	West Africa
1700-1800	Daily	Arabic	P	13790	Kashi	500	269	37E,38,39,40W	Arab World
1700-1800	Daily	Cantonese	M	9770	Xian	500	252	57N	Central Africa
				9800	Urumqi	500	212	53S,57N	Central Africa
1700-1800	Daily	Croatian	M	9410	Kashi	500	294	28SW	Europe
				11825	Beijing	500	322	28SW	Europe
1700-1800	Daily	English	P	6060	Kunming	150	163	49E,54	South-East Asia
				6140	Kashi	100	173	41	South Asia
				6165	Beijing	500	288	39,40W	Middle East
				6175	Nanning	100	200	49SE	South-East Asia
				7235	Kashi	100	173	41	South Asia
				7330	Jinhua	500	255	48,53,57N	East Africa
				7410	Kashi	100	174	41	South Asia
				7420	Kunming	150	191	49E,54	South-East Asia
				9570	Beijing	500	257	52E,53,57N	East Africa
				9880	Nanning	100	200	49SE	South-East Asia
				12015	Beijing	500	318	18,27-29	Europe
				13670	Kashi	500	308	27-29,37NW	Europe
1700-1800	Daily	Esperanto	P	9750	Beijing	500	318	18SE,27-29	Europe
				11650	Xian	500	317	27,28	Europe
1700-1800	Daily	French	P	11690	Kashi	500	308	27SE	Europe
1700-1800	Daily	German	M	9535	Baoji	150	317	28	Europe
				11725	Xian	500	317	28	Europe
1700-1800	Daily	Russian	P	7265	Urumqi	500	308	29,30	Eastern Europe
				9470	Xian	500	292	30S,31S,40E	Caucasus
				9605	Shijiazhuang	500	315	29-31	Eastern Europe
				11875	Urumqi	500	308	29,30	Eastern Europe
1700-1800	Daily	Swahili	P	5985	Beijing	500	257	48SW,53NW	East Africa
				7215	Xian	500	252	48SW,53NW	East Africa
				13645	Bamako	100	111	48SW,53NW	East Africa
				15125	Bamako	100	111	48SW,53NW	East Africa
1730-1830	Daily	Chinese	P	7275	Urumqi	500	270	38,39N,40W,47N	N Africa, M East
				7315	Kunming	500	300	37,38-40	N Africa, M East
				9685	Urumqi	500	308	18,27-29	Europe
				9695	Kunming	500	283	38-40,47N,48N	N/W Africa, M East
				11660	Shijiazhuang	500	315	18,27-29,37N	Europe

1730-1830	Daily	Hausa	P	9450	Kashi	500	269	46E	West Africa
				9685	Kunming	500	283	46E	West Africa
1800-1830	Daily	Persian	P	7415	Xian	500	292	40	West Asia
				9670	Beijing	500	288	40	West Asia
1800-1830	Daily	Hausa	P	11640	Bamako	100	085	46E	West Africa
				13645	Bamako	100	111	46E	West Africa
1800-1900	Daily	Amoy	M	11895	Xian	500	306	27SE	Europe
				13700	Urumqi	500	308	27SE	Europe
1800-1900	Daily	English	P	9600	Beijing	500	318	18,27-29	Europe
				13760	Beijing	500	318	27-29,37NW	Europe
1800-1900	Daily	French	P	9480	Xian	500	317	28	Europe
				11695	Kashi	500	269	37SE,38,47N	North Africa
1800-1900	Daily	German	M	7395	Kashi	500	308	28NW	Europe
				11650	Urumqi	500	308	28NW	Europe
				11775	Xian	500	308	28NW	Europe
1800-1900	Daily	Italian	M	7340	Kashi	500	294	28SW	Europe
				7435	Jinhua	500	314	28SW	Europe
1800-1900	Daily	Russian	P	1521	Hutubi	500			Central Asia
				7210	Urumqi	500	308	29,30	Eastern Europe
				9560	Beijing	500	288	30S	Caucasus
				9765	Shijiazhuang	500	315	29-31	Eastern Europe
1830-1900	Daily	Bulgarian	M	6020	Shijiazhuang	500	315	28SE	Europe
				7265	Urumqi	500	308	28SE	Europe
				9695	Kunming	500	300	28SE	Europe
1830-1900	Daily	Persian	P	7415	Xian	500	292	40	West Asia
				9670	Beijing	500	288	40	West Asia
1830-1930	Daily	Arabic	P	11640	Bamako	100	085	47E,48NW	Arab World
				13685	Bamako	100	020	37	Arab World
1830-1930	Daily	French	P	7350	Kashi	500	269	46	West Africa
				9645	Kunming	500	283	46	West Africa
1900-1930	Daily	Czech	M	7415	Urumqi	500	308	28NW	Europe
				9515	Shijiazhuang	500	315	28NW	Europe
1900-1930	Daily	Hungarian	P	7435	Xian	500	306	28N	Europe
				9560	Urumqi	500	308	28N	Europe
1900-1930	Daily	Romanian	M	6090	Urumqi	500	308	28E	Europe
1900-2000	Daily	English	P	7295	Urumqi	500	270	46	West Africa
				9440	Kunming	500	283	38-40,47N,48N	N Africa, M East
1900-2000	Daily	Albanian	M	6020	Shijiazhuang	500	315	28SE	Europe
				7385	Kashi	500	294	28SE	Europe
1900-2000	Daily	Cantonese	M	7215	Beijing	500	322	27	Europe
				11895	Kashi	500	308	27	Europe
1900-2000	Daily	French	P	9480	Xian	500	317	28	Europe
				11695	Kashi	500	269	37SE,38,47N	North Africa
1900-2000	Daily	German	M	7395	Kashi	500	308	28NW	Europe
				11650	Urumqi	500	308	28NW	Europe
				11775	Xian	500	308	28NW	Europe
1900-2000	Daily	Portuguese	M	5985	Beijing	500	257	52S,53W,57NE	Southern Africa
				7205	Xian	500	252	52S,53W,57NE	Southern Africa
				9535	Baoji	150	255	52S,53W,57NE	Southern Africa
				9730	Kashi	500	298	37NW	Europe
				9765	Beijing	500	257	52S,53W,57NE	Southern Africa
				11750	Jinhua	500	320	37NW	Europe
1900-2000	Daily	Russian	P	6110	Xian	500	292	30S,31S,40E	Caucasus
				7245	Baoji	150	317	29-31	Eastern Europe
				9525	Beijing	500	318	29-31,32N	Eastern Europe
1900-2000	Daily	Turkish	P	7255	Kunming	500	300	39NW	Middle East
				9655	Kunming	500	300	39NW	Middle East
1930-2000	Daily	Czech	M	7415	Urumqi	500	308	28NW	Europe
1930-2000	Daily	Portuguese	M	11640	Bamako	100	111	53NW	Southern Africa
				13630	Bamako	100	111	53NW	Southern Africa
1930-2000	Daily	Romanian	M	6090	Urumqi	500	308	28E	Europe
				7435	Xian	500	306	28E	Europe
1930-2030	Daily	Esperanto	P	7265	Urumqi	500	308	18,27-29	Europe
				9745	Urumqi	500	308	18,27-29	Europe
1930-2030	Daily	French	P	7350	Kashi	500	269	46	West Africa
				9645	Kunming	500	283	46	West Africa

2000-2030	Daily	Serbian	M	7325	Urumqi	500	308	28SE	Europe
				7390	Xian	500	317	28S	Europe
				9585	Kashi	500	298	28SE	Europe
2000-2100	Daily	Arabic	P	6100	Xian	500	292	37-40,47N	Arab World
2000-2100	Daily	Chinese	P	7205	Xian	500	252	48S,53,47N	East Africa
				7255	Kashi	500	269	37SE,38,39,40W,47N	N Africa, M East
				7335	Shijiazhuang	500	315	18,27-29,37N	Europe
				9865	Kunming	500	283	38-40,47N,48N	N/W Africa, M East
				9890	Beijing	500	318	18,27-29	Europe
				5985	Beijing	500	257	52E,53,57N	East Africa
2000-2100	Daily	English	P	7285	Xian	500	317	27-29	Europe
				7295	Urumqi	500	270	46	West Africa
				7415	Kashi	500	308	27-29	Europe
				9440	Kunming	500	300	38-40	N Africa, M East
				9600	Kashi	500	308	27-29	Europe
				11640	Bamako	100	111	53	Central/East Africa
				13630	Bamako	100	111	53	Central/East Africa
				6020	Shijiazhuang	500	315	28N	Europe
				7305	Urumqi	500	308	28N	Europe
				7245	Baoji	150	317	29-31	Eastern Europe
2000-2100	Daily	Russian	P	9525	Beijing	500	318	29-31,32N	Eastern Europe
				9720	Urumqi	500	308	28SE	Europe
2030-2100	Daily	Bulgarian	M	11940	Kunming	500	300	28SE	Europe
				7390	Jinhua	500	314	28N	Europe
2030-2130	Daily	Hungarian	P	9585	Kashi	500	298	28N	Europe
				9570	Urumqi	500	308	27SE	Europe
2030-2130	Daily	French	P	11660	Beijing	500	322	27SE	Europe
				7265	Urumqi	500	308	28SW	Europe
2030-2130	Daily	Italian	M	7345	Kashi	500	294	28SW	Europe
				11640	Bamako	100	111	53	Central/East Africa
2100-2130	Daily	English	P	13630	Bamako	100	111	53	Central/East Africa
				7325	Xian	500	317	28S	Europe
2100-2130	Daily	Serbian	P	7445	Kunming	500	300	28SE	Europe
				6100	Xian	500	292	37-40,47N	Arab World
				6135	Beijing	500	318	28SW	Europe
2100-2200	Daily	Arabic	P	9655	Beijing	500	318	28SW	Europe
				7205	Xian	500	252	48S,53,47N	East Africa
				7285	Xian	500	317	27-29	Europe
2100-2200	Daily	English	P	7325	Beijing	500	257	52E,53,57N	East Africa
				7415	Kashi	500	308	27-29	Europe
				9600	Kashi	500	308	27-29	Europe
				7290	Xian	500	073	44NE,45N	Far East
				7335	Shijiazhuang	500	315	37NW	Europe
				9640	Kashi	500	298	37NW	Europe
2130-2200	Daily	Korean	P	7445	Urumqi	500	308	28N	Europe
2130-2230	Daily	Hungarian	P	9570	Urumqi	500	308	27SE	Europe
				11660	Kashi	500	308	27SE	Europe
				11975	Bamako	100	020	37	North-West Africa
				13630	Bamako	100	111	53	Central Africa, Madagascar
				5975	Beijing	500	257	52E,53,57N	East Africa
2200-2300	Daily	Chinese	P	6100	Kunming	150	163	49E,54	South-East Asia
				6140	Kunming	100	225	49	South-East Asia
				7215	Kunming	100	184	49S,54	South-East Asia
				7265	Kunming	500	283	38-40,47N,48N	N/W Africa, M East
				7285	Urumqi	500	270	38,39N,40W,47N	N/W Africa, M East
				7325	Kunming	150	191	49,54NW	South-East Asia
				7440	Jinhua	500	255	48,53,57N	East/Southern Africa
				9675	Beijing	150	095	44NE,45N	Far East
				9590	Beijing	150	095	44NE,45N	Far East
				7300	Kashi	500	294	13-15	South America
2200-2300	Daily	Esperanto	P	9880	Kashi	500	269	13-15	South America
				9535	Xian	500	073	44NE,45N	Far East
2200-2300	Daily	Japanese	P	13640	Jinhua	500	059	44NE,45N	Far East
				7290	Xian	500	073	44NE,45NW	Far East
2200-2300	Daily	Korean	P	7260	Urumqi	500	308	37NW	Europe
				9410	Kashi	500	294	13,15	South America
				9685	Kashi	500	269	13,15	South America
				11760	Xian	500	317	28	Europe
				7260	Urumqi	500	308	37NW	Europe

2200-2300	Daily	Spanish	P	11855	Urumqi	500	308	37NW	Europe
				15600	Beijing	500	318	14	South America
2300-0000	Daily	Cantonese	M	6140	Kunming	100	225	49	South-East Asia
				7325	Kunming	150	191	49,54NW	South-East Asia
				9460	Kunming	150	163	49E,54	South-East Asia
				11945	Kunming	100	175	49,54	South-East Asia
				15100	Beijing	500	165	50	South-East Asia
2300-0000	Daily	Chinese	P	9865	Urumqi	500	308	18,27-29	Europe
				11900	Beijing	150	095	44NE,45N	Far East
2300-0000	Daily	English	P	5990	La Habana	250	ND	8S,10E,11W	C America, Caribbean
				6160	Kashi	100	174	41	South Asia
				6180	Kashi	100	173	41	South Asia
				7350	Kashi	500	308	27-29	Europe
				11690	Beijing	150	095	44NE,45N	Far East
				11790	Xian	500	190	49E	South-East Asia
				11995	Kunming	100	122	50	South-East Asia
2300-0000	Daily	Japanese	P	11680	Jinhua	500	059	44NE,45N	Far East
				13640	Xian	500	073	44NE,45N	Far East
2300-0000	Daily	Khmer	M	7430	Nanning	100	200	49SE	South-East Asia
				9765	Nanning	100	200	49SE	South-East Asia
2300-0000	Daily	Mongolian	P	9470	Xian	500	354	32S,33SW	Central Asia
				12085	Xian	500	354	32S,33SW	Central Asia
2300-0000	Daily	Portuguese	M	13650	La Habana	250	135	12E,13,15NW	South America
				15600	Beijing	500	318	13,15W	South America
2300-0000	Daily	Russian	P	7430	Huhhot	100	345	32N,33N	Siberia
				9445	Huhhot	100	345	32N,33N	Siberia
2300-0100	Daily	Spanish	P	9590	Kashi	500	294	14	South America
				9800	Kashi	500	269	14	South America
				11855	Urumqi	500	308	37NW	Europe
2300-0000	Daily	Vietnamese	P	11620	Beijing	500	193	49E	South-East Asia
				13770	Xian	500	190	49,54W	South-East Asia
2330-0030	Daily	Sinhala	P	7260	Kashi	100	173	41SE	South Asia
				9490	Kunming	150	234	41SE	South Asia

* entries marked with asterisk are still to be confirmed, not registered with HFCC for A22.

China Huayi Broadcasting Corporation

China Huayi Broadcasting Corporation is a private radio station broadcasting news and entertainment to listeners in Taiwan, Hong Kong, Macao and South-East Asia in general.

Transmitter site: Fuzhou, Fujian - 15 kW.

Time/UTC Days Language kHz kW Az. Target area

0950-1600 Daily Chinese 6185 15 ND Southern China, South-East Asia

Haixa zhi Sheng (Voice of the Taiwan Strait)

Voice of the Strait is a service operated by the Peoples Liberation Army and broadcasting to Taiwan. There are two services, News Radio in Chinese (666 & 4940 kHz) and the Minnan Language Programme (783 & 4900 kHz).

Minnan Language Program

Transmitter site: Fuzhou, Fujian.

Silent period: Wednesday 0400-0955.

Time/UTC Days Language kHz kW Az. Target area

0945-1600 Daily Minnan 4900 50 140 Taiwan

Voice of the Taiwan Strait News Radio

Transmitter site: Fuzhou, Fujian.

Silent period: Wednesday 0400-0955.

Time/UTC Days Language kHz kW Az. Target area

0945-1600 Daily Chinese 4940 50 140 Taiwan

Voice of Guangxi Beibu Wan (Beibu Bay Radio)

Beibu Bay Radio is a joint venture of Guangxi Broadcasting and TV Bureau and CRI.

Target area: ASEAN countries primarily in the Gulf of Tonkin.

Transmitter site: Nanning, Guangxi.

Time/UTC Days kHz kW Az. CIRAF

2248-0102 Daily 5050 100 232 49

9820 100 191 49

0945-1603 Daily 5050 100 232 49

9820 100 191 49

Further details can be found at <https://cahcn.github.io/posts/2022-03-27-Beibu-Bay-Radio.html> (use Google translate)

Voice of Jinling

The Voice of Jinling is located in Nanjing and broadcasts to the surrounding area on 99.7 FM. It is also aired on shortwave 6200 kHz between 1230-1505 reportedly for listeners in Taiwan.

Transmitter site: Nanjing, Jiangsu.

Target area: Taiwan

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
1230-1505	Daily	Chinese	6200	100	159	44S

Target broadcasts to China

The following broadcasts are all jammed by China, either in the form of a co-channel transmission of CNR-1 or a continuous loop of Firedrake music. Please take care when trying to identify the correct station, it could be CNR-1!

Voice of America and Radio Free Asia broadcasts to China

Voice of America and Radio Free Asia broadcast in Chinese, Cantonese, Tibetan and Uighur. RFA operates under a US Congressional mandate to deliver uncensored, domestic news and information to China, Tibet, and other places in Asia with poor media environments and few, if any, free speech protections. Broadcasts in Chinese, Cantonese, Tibetan and Uighur all draw the wrath of the Chinese government .

Time/UTC	Days	Stn	Language	kHz	Transmitter site	kW	Az.	CIRAF				
0000-0100	Daily	VOA	Chinese	9600	Tinang, Philippines	250	332	42-44				
				11660	Udon Thani, Thailand	250	030	43,44				
				15340	Tinang, Philippines	250	332	42-44				
				17560	Tinang, Philippines	250	349	43,44				
0000-0100	Daily	VOA	Tibetan	7480	Udon Thani, Thailand	250	311	42,43W				
				9855	Umm al-Rimam, Kuwait	250	075	42,43W				
				13630	Udon Thani, Thailand	250	325	42,43W (Tu)				
				13640	Udon Thani, Thailand	250	325	42,43W (We)				
				13670	Udon Thani, Thailand	250	325	42,43W (Mo)				
				13690	Udon Thani, Thailand	250	325	42,43W (Sa)				
				13760	Udon Thani, Thailand	250	325	42,43W (Th)				
				13805	Udon Thani, Thailand	250	325	42,43W (Fr)				
0100-0200	Daily	RFA	Tibetan	13810	Udon Thani, Thailand	250	325	42,43W (Su)				
				9370	Dushanbe, Tajikistan	250	110	42,43W				
				9510	Umm al-Rimam, Kuwait	250	078	42,43W				
				9705	Dushanbe, Tajikistan	200	110	42,43W				
				11705	Umm al-Rimam, Kuwait	250	075	42,43W				
				17670	Tinian, Northern Marianas	250	297	42,43W				
0100-0200	Daily	RFA	Uighur	9350	Dushanbe, Tajikistan	200	060	42,43W				
				9780	Umm al-Rimam, Kuwait	250	046	42,43W				
				9800	Biblis, Germany	100	063	42,43W				
				11640	Umm al-Rimam, Kuwait	250	054	42,43W				
				11790	Umm al-Rimam, Kuwait	250	046	42,43W				
0200-0300	Daily	RFA	Tibetan	9370	Umm al-Rimam, Kuwait	250	078	42,43W				
				11705	Umm al-Rimam, Kuwait	250	075	42,43W				
				11745	Saipan, Northern Marianas	100	300	42,43W				
				11820	Umm al-Rimam, Kuwait	250	070	42,43W (Tu/Th)				
				11895	Umm al-Rimam, Kuwait	250	070	42,43W (Mo/We/Fr)				
				11925	Umm al-Rimam, Kuwait	250	070	42,43W (Sa/Su)				
				17670	Tinian, Northern Marianas	250	297	42,43W				
				11570	Tinian, Northern Marianas	250	297	42-44				
0300-0400	Daily	RFA	Chinese	11895	Saipan, Northern Marianas	100	300	43,44				
				11985	Umm al-Rimam, Kuwait	250	070	42-44				
				17690	Saipan, Northern Marianas	100	310	42-44				
				15140	Umm al-Rimam, Kuwait	250	078	42,43W				
0300-0400	Daily	VOA	Tibetan	17735	Tinang, Philippines	250	315	42,43W				
				21600	Tinang, Philippines	250	315	42,43W (Mo)				
				21610	Tinang, Philippines	250	315	42,43W (Tu)				
				21620	Tinang, Philippines	250	315	42,43W (Th)				
				21630	Tinang, Philippines	250	315	42,43W (We)				
				21640	Tinang, Philippines	250	315	42,43W (Fr)				
				21650	Tinang, Philippines	250	315	42,43W (Su)				
				21680	Tinang, Philippines	250	315	42,43W (Sa)				
				0400-0500	Daily	VOA	Tibetan	15150	Udon Thani, Thailand	250	316	42,43W
								17615	Udon Thani, Thailand	250	313	42,43W
17650	Tinang, Philippines	250	315					42,43W (Sa/Su)				
17785	Tinang, Philippines	250	315					42,43W (Mo/We/Fr)				
17865	Tinang, Philippines	250	315					42,43W (Tu/Th)				

0400-0500	Daily	RFA	Chinese	11895	Saipan, Northern Marianas	100	300	43,44	
				13750	Umm al-Rimam, Kuwait	250	070	42-44	
				17690	Saipan, Northern Marianas	100	310	42-44	
				21505	Tinian, Northern Marianas	250	304	43,44	
0500-0600	Daily	VOA	Tibetan	15140	Umm al-Rimam, Kuwait	250	075	42,43W	
				17660	Udon Thani, Thailand	250	313	42,43W	
				21580	Tinang, Philippines	250	315	42,43W	(Fri)
				21600	Tinang, Philippines	250	315	42,43W	(Sat)
				21610	Tinang, Philippines	250	315	42,43W	(Tue)
				21620	Tinang, Philippines	250	315	42,43W	(Mon)
				21630	Tinang, Philippines	250	315	42,43W	(Sun)
				21640	Tinang, Philippines	250	315	42,43W	(Wed)
0500-0600	Daily	RFA	Chinese	21650	Tinang, Philippines	250	315	42,43W	(Thu)
				11895	Saipan, Northern Marianas	100	300	43,44	
				17690	Umm al-Rimam, Kuwait	250	070	42-44	
				21690	Tinian, Northern Marianas	250	304	43,44	
0600-0700	Daily	RFA	Chinese	11895	Saipan, Northern Marianas	100	300	43,44	
				13790	Saipan, Northern Marianas	100	310	43,44	
				17690	Umm al-Rimam, Kuwait	250	070	42-44	
				17810	Tinian, Northern Marianas	250	304	43,44	
0600-0700	Daily	RFA	Tibetan	15720	Dushanbe, Tajikistan	200	117	42,43W	
				17635	Umm al-Rimam, Kuwait	250	078	42,43W	
				17750	Umm al-Rimam, Kuwait	250	075	42,43W	
				21690	Tinian, Northern Marianas	250	297	42,43W	
0900-1000	Daily	VOA	Chinese	11785	Udon Thani, Thailand	250	006	43,44	
				11825	Tinang, Philippines	250	332	43,44	
				13755	Udon Thani, Thailand	250	018	43,44	
				17485	Udon Thani, Thailand	250	030	43,44	
				21695	Tinang, Philippines	250	349	43,44	
1000-1100	Daily	VOA	Chinese	11785	Udon Thani, Thailand	250	006	43,44	
				11825	Tinang, Philippines	250	332	43,44	
				13755	Udon Thani, Thailand	250	018	43,44	
				17485	Udon Thani, Thailand	250	030	43,44	
				21695	Tinang, Philippines	250	349	43,44	
1000-1100	Daily	RFA	Tibetan	13800	Umm al-Rimam, Kuwait	250	075	42,43W	
				15330	Tinian, Northern Marianas	250	297	42,43W	
				21465	Tinian, Northern Marianas	250	296	42,43W	(Mon)
				21455	Tinian, Northern Marianas	250	296	42,43W	(Tue)
				21540	Tinian, Northern Marianas	250	296	42,43W	(Wed)
				21565	Tinian, Northern Marianas	250	296	42,43W	(Thu)
				21520	Tinian, Northern Marianas	250	296	42,43W	(Fri)
				21475	Tinian, Northern Marianas	250	296	42,43W	(Sat)
				21505	Tinian, Northern Marianas	250	296	42,43W	(Sun)
				1100-1200	Daily	VOA	Chinese	7470	Udon Thani, Thailand
9460	Tinang, Philippines	250	315					43,44	
11785	Tinang, Philippines	250	349					43,44	
11825	Tinang, Philippines	250	332					43,44	
15250	Tinang, Philippines	250	315					42-44	
1100-1200	Daily	RFA	Tibetan	13580	Dushanbe, Tajikistan	200	125	42,43W	
				15265	Lampertheim, Germany	100	077	42,43W	
				15460	Dushanbe, Tajikistan	200	110	42,43W	
				17640	Tinian, Northern Marianas	250	297	42,43W	
1200-1300	Daily	VOA	Chinese	7470	Udon Thani, Thailand	250	030	43-44	
				11785	Tinang, Philippines	250	349	43,44	
				11825	Udon Thani, Thailand	250	006	43,44	
				15250	Tinang, Philippines	250	315	42-44	
1200-1300	Daily	RFA	Tibetan	11570	Umm al-Rimam, Kuwait	250	070	42,43W	
				13580	Dushanbe, Tajikistan	200	125	42,43W	
				15460	Dushanbe, Tajikistan	200	110	42,43W	
				17690	Dushanbe, Tajikistan	250	110	42,43W	
				17860	Lampertheim, Germany	100	077	42,43W	
1300-1400	Daily	VOA	Cantonese	7480	Udon Thani, Thailand	250	054	44S	
1300-1400	Daily	VOA	Chinese	6115	Tinang, Philippines	250	332	43,44	
				11785	Tinang, Philippines	250	349	43,44	
				15130	Tinang, Philippines	250	315	43,44	
				15165	Udon Thani, Thailand	250	014	43-44	

1300-1400	Daily	RFA	Tibetan	11570	Umm al-Rimam, Kuwait	250	070	42,43W	
				13835	Dushanbe, Tajikistan	200	125	42,43W	
				15275	Dushanbe, Tajikistan	250	110	42,43W	
				15460	Dushanbe, Tajikistan	200	110	42,43W	
				17860	Saipan, Northern Marianas	100	300	42,43W	
1400-1500	Daily	VOA	Cantonese	7480	Tinang, Philippines	250	332	44S	
1400-1500	Daily	VOA	Chinese	6115	Tinang, Philippines	250	332	43,44	
				9465	Tinang, Philippines	250	349	43-44	
				11900	Tinang, Philippines	250	332	42-43	
				15110	Tinang, Philippines	250	315	43,44	
1400-1500	Daily	VOA	Tibetan	9910	Umm al-Rimam, Kuwait	250	070	42,43W	
				17490	Biblis, Germany	100	085	42,43W	
				17690	Lampertheim, Germany	100	077	42,43W	
1400-1500	Daily	RFA	Cantonese	13575	Saipan, Northern Marianas	100	310	44S	(Sa/Su)
				13755	Saipan, Northern Marianas	100	310	44S	(Mo/We/Fr)
				13795	Saipan, Northern Marianas	100	310	44S	(Tu/Th)
1500-1600	Daily	RFA	Chinese	9940	Umm al-Rimam, Kuwait	250	070	42-44	
				11675	Saipan, Northern Marianas	100	300	43,44	
				13810	Dushanbe, Tajikistan	250	095	43,44	
1500-1600	Daily	RFA	Tibetan	9355	Dushanbe, Tajikistan	200	125	42,43W	
				11975	Dhabbya, UAE	250	075	42,43W	
				13720	Tinian, Northern Marianas	250	296	42,43W	(Tu/Th/Sa/Su)
				13790	Tinian, Northern Marianas	250	296	42,43W	(Mo/We/Fr)
1600-1700	Daily	VOA	Tibetan	7565	Tinang, Philippines	250	332	42,43W	
				9760	Lampertheim, Germany	100	075	42,43W	
				9965	Udon Thani, Thailand	250	304	42,43W	
				11890	Tinang, Philippines	250	315	42,43W	
1600-1700	Daily	RFA	Chinese	7540	Dushanbe, Tajikistan	200	087	42-44	
				11610	Tinian, Northern Marianas	250	304	43,44	
				13570	Saipan, Northern Marianas	100	300	43,44	
				13810	Dushanbe, Tajikistan	250	095	43,44	
1600-1700	Daily	RFA	Uighur	9355	Dushanbe, Tajikistan	200	060	42,43W	
				9480	Umm al-Rimam, Kuwait	250	046	42,43W	
				11675	Tinian, Northern Marianas	250	305	42,43W	
				15625	Biblis, Germany	100	075	42,43W	
1700-1800	Daily	RFA	Chinese	9360	Umm al-Rimam, Kuwait	250	070	42-44	
				9970	Saipan, Northern Marianas	100	300	43,44	
1800-1900	Daily	RFA	Chinese	9360	Umm al-Rimam, Kuwait	250	070	42-44	
				9970	Saipan, Northern Marianas	100	300	43,44	
				11760	Umm al-Rimam, Kuwait	250	070	42-44	
1900-2000	Daily	RFA	Chinese	9360	Umm al-Rimam, Kuwait	250	070	42-44	
				9720	Saipan, Northern Marianas	100	325	42,43	
2000-2100	Daily	RFA	Chinese	6080	Tinian, Northern Marianas	250	297	43,44	
				9360	Umm al-Rimam, Kuwait	250	070	42-44	
				9535	Saipan, Northern Marianas	100	325	42,43	
2100-2200	Daily	RFA	Chinese	7435	Umm al-Rimam, Kuwait	250	070	43,44	
				9685	Umm al-Rimam, Kuwait	250	070	42-44	
2200-2300	Daily	VOA	Chinese	5875	Udon Thani, Thailand	250	030	43,44	
				9625	Tinang, Philippines	250	332	43,44	
2200-2300	Daily	RFA	Tibetan	7355	Umm al-Rimam, Kuwait	250	078	42,43W	(Mo)
				7360	Umm al-Rimam, Kuwait	250	078	42,43W	(Fri)
				7365	Umm al-Rimam, Kuwait	250	078	42,43W	(Tu)
				7505	Umm al-Rimam, Kuwait	250	078	42,43W	
				7520	Umm al-Rimam, Kuwait	250	078	42,43W	(We/Su)
				9380	Umm al-Rimam, Kuwait	250	070	42,43W	
				9655	Umm al-Rimam, Kuwait	250	078	42,43W	(Th)
2300-0000	Daily	RFA	Chinese	9920	Umm al-Rimam, Kuwait	250	078	42,43W	(Sa)
				9535	Umm al-Rimam, Kuwait	250	080	42-44	
				9720	Umm al-Rimam, Kuwait	250	078	42-44	
2300-0000	Daily	RFA	Tibetan	15555	Saipan, Northern Marianas	100	310	43,44	
				5965	Umm al-Rimam, Kuwait	250	070	42,43W	
				9555	Dushanbe, Tajikistan	200	110	42,43W	
				11700	Tinian, Northern Marianas	250	297	42,43W	

Voice of Tibet

Voice of Tibet is a radio station based in Norway transmitting shortwave radio programmes in the Tibetan language as well as Mandarin Chinese. The station began broadcasting on 14 May 1996 and was founded by three Norwegian NGOs: Norwegian Human Rights House, The Norwegian Tibet Committee and Worldview Rights. Its broadcasts target Tibet and China as well as India, Bhutan and Nepal. It receives funds from the United States National Endowment for Democracy.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.
1300-1400	Daily	Tibetan	moves between 9864 and 9899	Dushanbe, Tajikistan	100	131
2300-0000	Daily	Tibetan	moves between 7476 and 7496	Dushanbe, Tajikistan	100	131

Voice of Tibet moves frequency regularly to avoid the Chinese jammer that follows it ...

Sound of Hope

Sound of Hope (SOH) is an international Chinese-language radio network. Along with New Tang Dynasty Television and The Epoch Times, it is part of a network of media organisations established by practitioners of the Falun Gong new religious movement. SOH serves the Chinese diaspora in US, Europe, Australia, Japan and South Korea on mediumwave and FM and broadcasts to China on an extensive number of out-of-band shortwave frequencies. Programmes are in Chinese and Cantonese, and also include relays of Radio Free Asia at times.

Transmitter sites: Pingtung and Miaoli, Taiwan (and possibly another) - all transmitters are low power - 1 kW or less.

Frequencies: The frequencies and times below are those listed in the [Nagoya DXers Circle](#) shortwave schedule.

Target area: China.

Jamming: most frequencies will be jammed by a co-channel transmission of CNR-1 from Mainland China, which in most cases will be the dominant signal when listening from afar. See Ron Howard's tips below on how to distinguish between SOH and CNR.

kHz	Time/UTC	kHz	Time/UTC	kHz	Time/UTC
6215-mia	24 hours	11100-mia	2200-1610	13550-mia	2100-1600
6229.9-mia	24 hours	11120-mia	2150-1700	13590-mia	2200-1700
6280-moa	24 hours	11150-mia	2300-1000	13630-mia	2110-1700
6340.2-mia	2110-1700	11170-mia	2110-1700	13640-mia	2300-1500
6370.1-mia	24 hours	11300-mia	2110-1700	13670-mia	2130-1300
6730-mia	24 hours	11410-mia	2120-1715	13680-mia	2200-1300
6850.1-mia	24 hours	11440-mia	2041-1700	13730-mia	2130-1430
6865.1-mia	24 hours	11480-mia	2100-1710	13775-mia	2130-1420
6900-mia	24 hours	11500-mia	2030-1700	13790-mia	2130-1420
6969.9	24 hours	11520-mia	2000-1600	13820-mia	2130-1300
7209.9-mia	24 hours	11550-mia	2100-1500	13840-mia	2120-1400
7280.1-mia	24 hours	11580-mia	2100-1600	13870-mia	2030-1400
7310-mia	24 hours	11600-mia	2200-1600	13890-mia	2200-1700
7460-mia	2136-1500	11715-mia	2105-1700	13920-mia	2213-1420
7600.2-mia	0200-0100	11765-mia	2130-1500	13960-mia	2130-1500
7645-mia	0200-0100	11775-mia	2131-1730	13980-mia	2300-1500
7730.1-mia	24 hours	11970-mia	2130-1500	14370-mia	2300-1500
7810-mia	24 hours	11975-mia	0000-1700	14430-ptg	2110-1700
9120-mia	2100-1600	11990-mia	2130-1300	14500-mia	2200-1600
9155-mia	24 hours	12150-mia	2130-1700	14560-mia	2200-1500
9180-mia	2145-1630	12160-mia	2050-1600	14580-mia	2200-1500
9200-mia	2151-1530	12190-mia	1500-1600	14635-mia	2200-1500
9214.9-mia	24 hours	12210-mia	2200-1500	14690-mia	2200-1500
9230-mia	2130-1610	12230-mia	2130-1700	14725-mia	2200-1611
9254.9-mia	2130-1600	12345-mia	2130-1500	14775-mia	2200-1500
9280.1-mia	2145-1630	12365-mia	2105-1600	14800-mia	2130-1500
9300-mia	2130-1630	12430-mia	2100-1700	14820-mia	2100-1500
9320-ptg	2357-1646	12500-mia	2135-1700	14870-mia	2200-1605
9339.8-mia	2100-1600	12550-mia	2130-1700	14900-ptg	0100-1600
9540.1-mia	2200-1500	12775-mia	2130-1400	14920-mia	2130-1430
9635-mia	2140-1604	12795-mia	2130-1600	14940-mia	2200-1605
9730.1-ptg	2105-1705	12820-mia	2130-1600	14980-mia	2200-1500
9849.9-mia	2130-1700	12835-mia	0000-1300	15280-mia	2100-1700
9920-mia	2115-1700	12870-mia	2130-1600	15295-mia	2300-1700
9970-mia	2147-1702	12880-mia	2130-1700	15340-ptg	0000-1703
9980-mia	0100-1000	12910-ptg	2152-1700	15360-mia	2200-1500
9989.9-mia	2200-1600	12950-mia	2130-1450	15410-mia	2300-1200
10160-mia	2110-1700	13020-mia	2110-1700	15580-mia	2150-1700
10820-mia	2140-1700	13070-mia	2208-1656	15745-mia	2144-1530
10870-mia	2103-1705	13130-mia	2130-1430	15760-mia	2200-1500
10920-mia	2125-1745	13160-mia	2200-1700	15775-mia	2130-1600
10960-ptg	2130-1705	13200-mia	2200-1700	15800-mia	0000-1600
11070-mia	2210-1710	13530-mia	2110-1550	15840-mia	2200-1400

kHz	Time/UTC	kHz	Time/UTC	kHz	Time/UTC
15870-mia	2100-1706	16300-ptg	2204-1602	17401-mia	2155-1420
15890-mia	0010-1210	16600-mia	2200-1430	17440-ptg	2300-1300
15920-mia	2100-1400	16680-mia	2100-1500	17760-mia	2250-1130
15940-mia	2200-1400	16790-mia	2110-1500	17780-mia	2300-1300
15970-mia	2110-1630	16980-mia	2130-1530	18180-mia	2300-1130
16100-mia	2115-1420	17150-mia	2110-1500	18900-mia	2200-1000
16160-mia	2130-1430	17170-mia	2330-1405	18970-mia	2200-1000
16250-mia	2150-1700	17200-mia	2200-1350	21800-mia	2300-1000

Identifying Sound of Hope (Taiwan) vs CNR-1 jamming

Sound of Hope (SOH) is quite often jammed by a transmission of China National Radio's CNR-1 service from Mainland China. Ron Howard offered some tips on how to identify SOH in a post to the WOR iog on 17 May 2021.

For me, it has always been fun trying to tie down if a station heard is really a Sound of Hope reception or just the CNR-1 program jamming. Here are a few suggestions, based on my years of observations:

- 1) One positive way is to listen at the top-of-the-hour. **CNR-1 programming always has time pips, while SOH never has any.**
- 2) Find a known CNR-1 frequency, that is to say a non-jamming frequency (I use 6125 kHz.), then check to find if it is // to the station in question.
- 3) SOH is a religious station, so has a more refined format. At ToH usually has news and then a lot of monologues. Rather rare to hear music. While the CNR-1 format is fairly contemporary; many short segments; often with music; in general has a much more upbeat format than SOH.
- 4) After many years of listening to SOH, I find their audio slightly muffled; not a lot, just enough to be noticeable, especially when compared to the crisp audio of CNR-1.
- 5) It is not uncommon for SOH to be slightly off-frequency; while CNR-1 is on the exact frequency (xx.00).
- 6) Finally, if the station in question has fair to good reception, it almost certainly is CNR-1 jamming. SOH stations use rather low power, hence fair-good reception would be extremely rare.
- 7) If you are fortunate enough to actually hear SOH, their top-of-the-hour ID is "**Xiwang zhi sheng guoji guangbo diantai**" (Sound of Hope international broadcast station), given twice (once by OM and once by YL), then into the news. My audio of a typical ToH SOH ID format is posted at <http://bit.ly/3l6V2kn>.

Ron Howard, 17 May 2021 via WOR iog.



Guam

International broadcasting on shortwave

KSDA - AWR Asia/Pacific

KSDA is the AWR Asia/Pacific relay station based on Guam, which started shortwave broadcasting in 1987.

Transmitter site: Agat - 5 x 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
0000-0030	Daily	Vietnamese	15325	100	285	49E	South-East Asia
0000-0030	Daily	Burmese	17720	100	285	49NW	South-East Asia
0030-0100	Daily	Aso Chin	15320	100	285	49NW	South-East Asia
0030-0100	Daily	Karen	17720	100	285	49NW	South-East Asia
1000-1100	Daily	Chinese	15420	100	300	43S,44S	East Asia
			15450	100	315	43N,44N	East Asia
1030-1100	Daily	Mongolian	15500	100	215	43N,44N	East Asia
1030-1100	Fri/Sun	Ilocano	17540	100	255	50	South-East Asia
1030-1100	Mon-Thu/Sat	Tagalog	17540	100	255	50	South-East Asia

1100-1130	Daily	Indonesian	15500	100	255	54		South-East Asia
1100-1200	Daily	Chinese	7375	100	330	32S,33S,43N,44N		East Asia
			11855	100	315	43N,44N		East Asia
			15210	100	300	43N,44S		East Asia
1130-1200	Tu/Th/Sa/Su	Sundanese	15500	100	255	49S,54		South-East Asia
1130-1200	Mon/Wed/Fri	Javanese	15500	100	255	49S,54		South-East Asia
1130-1200	Daily	Shan	15610	100	285	49N		South-East Asia
1200-1230	Fri/Sat	Chinese	9875	100	330	43N,44N		East Asia
1200-1230	Sun-Thu	Min Nan	9875	100	330	43N,44N		East Asia
1200-1300	Daily	Korean	9895	100	330	44NE,45NW		East Asia
1230-1300	Sat-Thu	Cantonese	9875	100	300	43S,44S		East Asia
1230-1300	Fri	Chinese	9875	100	300	43S,44S		East Asia
1300-1330	Daily	Khmer	11695	100	270	49E		South-East Asia
1300-1330	Daily	Kachin	12055	100	285	49NW		South-East Asia
1300-1330	Daily	Asho-Chin	15505	100	285	49NW		South-East Asia
1330-1400	Daily	Kokborok	12105	100	285	41NE		South Asia
1330-1400	Daily	Khasi	15430	100	285	41NE		South Asia
1330-1400	Daily	Lisu	15505	100	285	49NW		South-East Asia
1400-1500	Daily	Korean	9800	100	330	44NW,45NW		East Asia
1400-1500	Daily	Asho Chin	11965	100	285	49NW		South-East Asia
1530-1600	Daily	Hindi	11955	100	285	41N		South Asia
1530-1600	Daily	Gujarati	15615	100	285	41		South Asia
1500-1530	Daily	Kannada	15680	100	270	41S		South Asia
1600-1630	Daily	English	12080	100	270	41S		South Asia
1630-1700	Mon/Wed/Fri	Pashto	11800	100	285	41N		South Asia
1630-1700	Tu/Th/Sa/Su	Sindhi	11800	100	285	41NW		South Asia
2100-2200	Daily	Korean	9695	100	345	44NE,45NW		East Asia
2100-2200	Daily	Chinese	11750	100	315	33S,43N,44N		East Asia
2200-2230	Daily	Dayak	11960	100	255	54		South-East Asia
2200-2230	Mo/We/Sa/Su	Sundanese	12040	100	255	54		South-East Asia
2200-2230	Tue/Thu/Sun	English	12040	100	255	54		South-East Asia
2200-2300	Daily	Chinese	11875	100	315	43N,44N		East Asia
			15675	100	330	32S,33S,43N,44N		East Asia
2200-2300	Daily	Vietnamese	15685	100	285	43S,49		South-East Asia
2230-2300	Daily	Indonesian	11960	100	255	54		South-East Asia
2230-2300	Daily	Javanese	15320	100	255	54		South-East Asia
2300-2330	Daily	Khmer	15365	100	270	49E		South-East Asia
2300-0000	Daily	Chinese	15625	100	330	32S,33S,43N,44N		East Asia
			15685	100	315	43N,44N		East Asia
2330-0000	Sun-Wed/Fri	Thai	15370	100	270	49E		South-East Asia
2330-0000	Thu/Sat	Lao	15370	100	270	49E		South-East Asia



KTWR - Trans World Radio

KTWR is the TWR relay station based on Guam, which began broadcasting on shortwave in September 1977.

Transmitter site: Merizo - 1 x 100 kW and 2 x 250 kW (sometimes operating at 200 kW).

Time/UTC	Days	Language	Programme	kHz	kW	Azi.	CIRAF	Target
1000-1015	Sat	Banyumasan	The Way of Righteousness	11965	100	248	54	SEAs
1000-1030	Mon-Fri	Madurese	Thru the Bible	11965	100	248	54	SEAs
1015-1030	Sat	Sundanese	The Way of Righteousness	11965	100	248	54	SEAs
1015-1030	Sun	Balinese	Thru the Bible	11965	100	248	54	SEAs
1030-1045	Sat	Javanese	News of Truth	11965	100	248	54	SEAs
1030-1100	Mon-Fri	Sundanese	Thru the Bible	11965	100	248	54	SEAs
1030-1100	Sun	Indonesian	Women of Hope	11965	100	248	54	SEAs
1045-1100	Mon-Sat	Mongolian	Son-Lift - Do You Know	12120	200	315	32-33	EAs
1045-1100	Mon-Sat	Mongolian	Son-Lift - Do You Know	12120	200	315	32-33	EAs
1045-1100	Sat	Indonesian	News of Truth	11965	100	248	54	SEAs
1100-1115	Mon-Sun	Mongolian (Inner)	Son-Lift - Do You Know	12120	200	315	43-44	EAs
1100-1115	Sun	English	Bread of Life	11965	100	263	49	SEAs
1100-1115	Sat	Thai	News of Truth	11965	100	248	49,50,54	SEAs
1105-1120	Mon	English	Portraits of Hope	11965	100	263	49	SEAs

1105-1120	Tue	English	Women of Hope	11965	100	263	49	SEAs
1105-1120	Fri	English	Son Lift's Do You Know	11965	100	263	49	SEAs
1105-1120	Thu	English	The Lords Challenge	11965	100	263	49	SEAs
1105-1135	Wed	English	Connection	11965	100	263	49	SEAs
1115-1145	Mon-Sun	Mongolian (Hui)	The Straight Path	12120	200	315	42-44	EAs
1120-1135	Fri	English	Hope For Today	11965	100	263	49	SEAs
1120-1135	Mon	English	Wonderful Words of Life	11965	100	263	49	SEAs
1120-1135	Thu	English	Bread of Life	11965	100	263	49	SEAs
1120-1135	Tue	English	Grace Notes	11965	100	263	49	SEAs
1130-1145	Sun	English	The Lord's Challenge	9910	200	305	42-44	EAs
1135-1136	Mon-Fri	English	Hope For God	11965	100	263	49	SEAs
1145-1200	Mon-Sun	Hakka	Son-Lift - Do You Know	12120	200	315	42-44	EAs
1145-1200	Sun	Chinese	Macedonian Call	9910	200	315	42-44	EAs
1200-1210	Mon-Fri	Chinese	Son-Lift - Do You Know	9975	200	315	43,44	EAs
1200-1215	Sat/Sun	Chinese	Son-Lift - Do You Know	9975	200	315	43,44	EAs
1200-1215	Sun-Fri	Chinese	God Remembers Them	9910	200	315	42-44	EAs
1200-1230	Mon-Fri	Burmese	Thru the Bible	12040	100	293	41,49	SAs/SEAs
1200-1230	Sat	Burmese	Macedonian Call, The Word Today	12040	100	293	41,49	SAs/SEAs
1200-1230	Sun	Burmese	News of Truth, Lifeword	12040	100	293	41,49	SAs/SEAs
1210-1215	Mon-Fri	Chinese	Creation Moments	9975	200	315	42,44	EAs
1215-1230	Mon-Sat	Nosu Yi	Son-Lift - Do You Know	9975	200	315	43,44	EAs
1215-1245	Sun	Chinese	Women Of Hope	9975	200	305	42-44	EAs
1215-1245	Sun	Japanese	B Japan - Friendship Radio	9380	100	345	45	EAs
1230-1245	Sat	Vietnamese	News of Truth	9975	100	293	49	SEAs
1230-1245	Sun	S'gaw Karen	The Word Today	12040	100	293	49	SEAs
1230-1300	Mon-Fri	S'gaw Karen	Thru the Bible	12040	100	293	49	SEAs
1245-1300	Mon	English	Grace Notes	11590	250	285	41	SAs
1245-1300	Sat	Dzongkha	Gospel Tide Hour	12040	250	290	41	SAs
1245-1300	Sun	English	Bread of Life	11590	250	285	41	SAs
1245-1300	Tue	English	Wonderful Words of Life	11590	250	285	41	SAs
1245-1300	Wed	English	The Lords Challenge - Wed	11590	250	285	41	SAs
1245-1300	Sun	Manipuri	The Word Today	12040	250	290	41	SAs
1245-1300	Sun	Vietnamese	The Word Today	9975	100	293	49	SEAs
1245-1315	Sat	Vietnamese	Women of Hope	9975	100	293	49	SEAs
1300-1305	Mon-Fri	Hindi	A Word With You	11590	250	285	41	SAs
1300-1325	Mon-Fri	Chinese	Rota 66	9975	200	305	42-44	EAs
1300-1330	Sat	Chinese	Macedonian Call, Hope for Today	9975	200	305	42-44	EAs
1300-1330	Sun	Chinese	The Word Today, Hope for Today	9975	200	305	42-44	EAs
1315-1330	Sun	Bhatri	The Tide	11590	250	285	41	SAs
1315-1345	Mon-Fri	Korean	With You	7510	200	320	44-45	EAs
1325-1330	Mon-Fri	Chinese	A Word with You	9975	200	305	42-44	EAs
1330-1335	Mon-Fri	Chinese	Meditation of the Lord's Word	9975	200	305	42-44	EAs
1330-1345	Sun	Chinese	Every Man A Warrior	9975	200	305	42-44	EAs
1330-1400	Sat	Chinese	Women Of Hope	9975	200	305	42-44	EAs
1335-1345	Mon-Fri	Cantonese	Son-Lift - Do You Know	9975	200	290	42-44	EAs
1345-1400	Mon-Sun	Korean	Bible reading	7510	200	320	44-45	EAs
1400-1415	Mon-Wed	Korean	Your Quest for God	7510	200	320	44-45	EAs
1400-1415	Sat/Sun	Korean	Light & Life	7510	200	320	44-45	EAs
1400-1415	Thu/Fri	Korean	Pray School	7510	200	320	44-45	EAs
1400-1430	Mon	Uighur	Light Of Life	9900	200	305	44-45	EAs
1400-1430	Thu	Uighur	Sparkle Of Hope	11590	200	305	44-45	EAs
1400-1430	Tue	Uighur	The Way of Righteousness	9900	200	305	44-45	EAs
1400-1430	Wed	Uighur	Parables	9900	200	305	44-45	EAs
1415-1445	Mon/Tue	Korean	Bible School Basics	7510	200	320	44-45	EAs
1415-1445	Sat	Korean	Women of Hope	7510	200	320	44-45	EAs
1415-1445	Sun	Korean	Sunday Service	7510	200	320	44-45	EAs
1415-1445	Wed-Fri	Korean	TWR Seminary	7510	200	320	44-45	EAs
1430-1445	Mon-Sun	Kazakh	Son-Lift - Do You Know	11590	200	305	44-45	EAs
1445-1458	M/T/T/F	Korean	Music Walk	7510	200	320	44-45	EAs
1445-1458	Wed	Korean	Lets Talk About Something	7510	200	320	44-45	EAs
1445-1500	Sat	Korean	A Writer's Drawer	7510	200	320	44-45	EAs
1445-1515	Sun	Korean	I Would Gather Children	7510	200	320	44-45	EAs
1458-1500	Mon-Fri	Korean	Creation Moments	7510	200	320	44-45	EAs
1500-1515	Mon-Fri	Korean	Light & Life	7510	200	320	44-45	EAs
1500-1515	Sat	Korean	Truth in the Test Tube	7510	200	320	44-45	EAs
1500-1600	Tue-Sat	Korean	Lambda - Living Waters	9900	250	335	44-45	EAs
1515-1545	Sat-Mon	Korean	Discovery Bible Study	7510	250	320	44-45	EAs

DRM broadcasts from KTWR

Transmitter site: Merizo - DRM operating at 50 or 90 kW.

Time/UTC	Days	Language	Programme	kHz	kW	Azi.	CIRAF	Target
0957-1026	Sun	South Asian	Thought for the Day	15200	90	285	41	SAs
1026-1056	Sun	English	DXers Diary/Connected	15200	90	285	41	SAs
1100-1127	Sat	Chinese	Air JARON	12000	90	305	42-44	EAs
1128-1230	Sat	Japanese/English	Every Man a Warriar/Air JARON	9910	50	350	45	EAs
1215-1245	Mon-Fri	Chinese	Women of Hope	9910	90	305	42-44	EAs

The schedule for broadcasts in South Indian languages at 0957-1026 is:

1st/3rd Sundays: Tamil, Malayalam and Kannada

2nd/4th Sundays: Tamil, Telugu and Hindi

5th Sunday: Tamil

India

All India Radio

All India Radio, officially known as Akashvani, is the radio broadcaster of India and a division of Prasar Bharati (Broadcasting Corporation of India), an autonomous corporation of the Ministry of Information and Broadcasting.

All India Radio Regional Stations on shortwave

All India Radio regional stations broadcast in Hindi, English and the principal languages of the respective states and Union Territories. As well as programmes originating from regional studios, the regional stations also relay news broadcasts and Network programmes from Delhi. After further closures on 31 December 2021 (namely AIR Srinagar on 4950 & 6110 kHz and AIR Jeypore on 5040 kHz), the last remaining regional station on shortwave is AIR Leh.

Ladakh - AIR Leh

Ladakh is a region administered by India as a union territory, and constitutes a part of the larger Kashmir region, which has been the subject of dispute between India, Pakistan, and China since 1947. It was established on 31 October 2019, following the passage of the Jammu and Kashmir Reorganisation Act. Ladakh is bordered by the Tibet Autonomous Region to the east, the Indian state of Himachal Pradesh to the south, both the Indian-administered union territory of Jammu and Kashmir and the Pakistan-administered Gilgit-Baltistan to the west, and the southwest corner of Xinjiang across the Karakoram Pass in the far north. It extends from the Siachen Glacier in the Karakoram range to the north to the main Great Himalayas to the south. The eastern end, consisting of the uninhabited Aksai Chin plains, is claimed by the Indian Government as part of Ladakh, and has been under Chinese control since 1962.

Transmitter Site: Leh, Ladakh.

Regional Zone: North;

Languages: Ladakhi, Hindi, English, Balti, Tibetan, Urdu

Time/UTC	Days	kHz	kW	Az.	CIRAF
0155(0210su)-0430	Daily	4760	10	130	41NW
0630-0930	Daily	6000	10	130	41NW
1130-1630(1700su)	Daily	4760	10	130	41NW

International broadcasting on shortwave

All India Radio External Services

All India Radio (AIR), officially known since 1957 as Akashvani (literary meaning "Voice from the Sky"), is the national public radio broadcaster of India and is a division of Prasar Bharati. The external services of All India Radio are broadcast to countries outside India.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Target
0100-0230	Daily	Tibetan	9875	Delhi-Kingsway, NCT	100	102	42,43	Tibet
0130-0230	Daily	Indonesian	13710	Bengaluru, Karnataka	500	120	49	Indonesia
0145-0315	Daily	Nepali	11560	Delhi-Kingsway, NCT	100	102	42S	Nepal
0300-0430	Daily	Baluchi	9950	Delhi-Kingsway, NCT	100	282	41NW	Pakistan
0315-0415	Daily	Burmese	11560	Delhi-Kingsway, NCT	100	102	49	Myanmar
0430-0600	Daily	Dari	9950	Delhi-Kingsway, NCT	100	282	40E	Afghanistan
0430-0600	Daily	Pashto	11560	Delhi-Kingsway, NCT	100	282	40E	Afghanistan
0500-0600	Daily	Arabic	15030	Bengaluru, Karnataka	500	300	38,39	Middle East
0800-0830	Daily	Persian	15030	Bengaluru, Karnataka	500	300	40	Iran
0900-1030	Daily	Nepali	11560	Delhi-Kingsway, NCT	100	102	42S	Nepal
1030-1200	Daily	Chinese	13795	Bengaluru, Karnataka	500	060	42-44	China
1045-1215	Daily	Tibetan	11590	Delhi-Kingsway, NCT	100	102	42,43	Tibet
1215-1315	Daily	Swahili	15030	Bengaluru, Karnataka	500	240	48	East Africa
1230-1330	Daily	Baluchi	9950	Delhi-Kingsway, NCT	100	282	41NW	Pakistan
1230-1400	Daily	Pashto	11560	Delhi-Kingsway, NCT	100	282	40E	Afghanistan
1330-1500	Daily	Dari	9950	Delhi-Kingsway, NCT	100	282	40E	Afghanistan
			15030	Bengaluru, Karnataka	500	300	40E	Afghanistan

1615-1730	Daily	Persian	9620	Bengaluru, Karnataka	500	300	40	Iran
1730-1930	Daily	Arabic	9620	Bengaluru, Karnataka	500	300	38,39	Middle East
1930-2030	Daily	French	9620	Bengaluru, Karnataka	500	300	27	Western Europe (DRM)
2345-0115	Daily	Chinese	13795	Bengaluru, Karnataka	500	060	42-44	China

Home Service and other languages may be heard for a few prior to the start of some External Service broadcasts.



Indonesia

Voice of Indonesia

The Voice of Indonesia is the External Service of Radio Republik Indonesia. It currently broadcasts in the 90 and 60 metre shortwave bands primarily for listeners in Asia.

Target area: primarily South-East Asia.

Time/UTC	Days	kHz	Location	kW	Az.
1000-2200	Daily	3325	Palangkaraya	50	ND
		4750	Jakarta	10	ND

Time/UTC	Days	Language	Time/UTC	Days	Language
1000-1100	Daily	English	1600-1700	Daily	Arabic
1100-1200	Daily	Chinese	1700-1800	Daily	Spanish
1200-1300	Daily	Japanese	1800-1900	Daily	German
1300-1400	Daily	English	1900-2000	Daily	Dutch
1400-1500	Daily	Indonesian	2000-2100	Daily	French
1500-1600	Daily	Chinese	2100-2200	Daily	English



Japan

Radio Nikkei

Radio Nikkei is Japan's nationwide free-to-air shortwave commercial radio station. It is operated by Nikkei Radio Broadcasting Corporation, whose main share is held by Nihon Keizai Shimbun and Tokyo Stock Exchange. The language is almost exclusively in Japanese except for an English language learning programme. The station features the following four genres as the core of its programming: finance, JRA horse racing (weekends), health-medical, and culture.

The Radio Nikkei schedules below have been compiled from information on the website of the Nagoya DXers Circle (Aoki List) and Eike Bierwirth's EiBi list.

Radio Nikkei 1

Radio Nikkei 1 is for general programmes and eastern Japan horse-racing coverage.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2220-2300	Mon-Fri	Japanese	3925	Nemuro	50	ND	45
2220-2300	Tue-Sat	Japanese	6055	Nagara	50	064	45
2300-1055	Daily	Japanese	6055	Nagara	50	064	45
0750-1430	Mon-Fri	Japanese	3925	Nemuro	50	ND	45
1055-1200	Sun-Fri	Japanese	6055	Nagara	50	064	45
1200-1430	Mon-Fri	Japanese	6055	Nagara	50	064	45
1430-1500	Mon-Thu	Japanese	3925	Nemuro	50	ND	45
			6055	Nagara	50	064	45
1500-1520	Last Wed	Japanese	3925	Nemuro	50	ND	45
			6055	Nagara	50	064	45

Radio Nikkei 2

Radio Nikkei 2 is for live company stock price announcements and western Japan horse-racing coverage. Radio Nikkei 2's programming on weekdays is named RN2 with music programmes aimed at persons in their 30s and 40s

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2330-0000	Mon-Fri	Japanese	6115	Nagara	50	50	45
0000-0800	Daily	Japanese	6115	Nagara	50	50	45
0800-1000	Mon-Fri	Japanese	6115	Nagara	50	50	45
0950-1101	Mon-Fri	Japanese	3945	Nagara	50	ND	45

International broadcasting on shortwave

KDDI Corporation

KDDI is a Japanese telecommunications operator that owns the Yamata transmitting station in Ibaraki prefecture.

Transmitter site: Yamata, Ibaraki prefecture - 4 x 100 kW; 7 x 300 kW.

NHK World-Japan

NHK World-Japan is the international service of Japan's public media organisation NHK. It provides the latest information on Japan and Asia through television, radio and online to a global audience.

Japanese Service

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0200-0300	Daily	Japanese	6105	Issoudun, France	500	290	10,11	Central America
			11790	Yamata, Japan	300	330	23,24,33	North-East Asia
			15195	Yamata, Japan	300	290	43,44	East Asia
			17810	Yamata, Japan	300	235	49,50,54	South-East Asia
0300-0400	Daily	Japanese	6105	Issoudun, France	500	290	10,11	Central America
			9490	Issoudun, France	500	140	37-39	West Asia
			15195	Yamata, Japan	300	290	43,44	East Asia
			17810	Yamata, Japan	300	235	49,50,54	South-East Asia
0400-0500	Daily	Japanese	9490	Issoudun, France	500	140	37-39	West Asia
			15195	Yamata, Japan	300	290	43,44	East Asia
			17810	Yamata, Japan	300	235	49,50,54	South-East Asia
			9615	Yamata, Japan	300	085	14,16	South America
0700-0800	Daily	Japanese	11825	Yamata, Japan	300	290	43,44	East Asia
			15280	Yamata, Japan	300	235	49,50,54	South-East Asia
			9615	Yamata, Japan	300	085	14,16	South America
			9750	Yamata, Japan	300	290	43,44	East Asia
0800-0900	Daily	Japanese	15280	Yamata, Japan	300	235	49,50,54	South-East Asia
			15290	Issoudun, France	500	190	46,47	West/Central Africa
			9750	Yamata, Japan	300	290	43,44	East Asia
			15280	Yamata, Japan	300	235	49,50,54	South-East Asia
0900-1000	Daily	Japanese	15290	Issoudun, France	500	190	46,47	West/Central Africa
			9750	Yamata, Japan	300	290	43,44	East Asia
			11815	Yamata, Japan	300	235	49,50,54	South-East Asia
			9750	Yamata, Japan	300	290	43,44	East Asia
1000-1300	Daily	Japanese	11815	Yamata, Japan	300	235	49,50,54	South-East Asia
			11815	Yamata, Japan	300	235	49,50,54	South-East Asia
			11815	Yamata, Japan	300	235	49,50,54	South-East Asia
			9650	Yamata, Japan	300	235	49,50,54	South-East Asia
1300-1400	Daily	Japanese	7375	Yamata, Japan	300	290	43,44	East Asia
			9780	Issoudun, France	500	140	38-40	Middle East
			11800	Yamata, Japan	300	270	41	South Asia
			11945	Issoudun, France	500	155	52,57	Southern Africa
1500-1600	Daily	Japanese	11625	Yamata, Japan	300	305	29,38-40	Eastern Europe, Middle East
			15130	Issoudun, France	500	152	46-48,52,53	West & Central Africa
			9480	Yamata, Japan	300	175	51,55,56,59,60	Australasia
			11625	Yamata, Japan	300	305	29,38-40	Eastern Europe, Middle East
1600-1700	Daily	Japanese	15130	Issoudun, France	500	152	46-48,52,53	West & Central Africa
			11800	Yamata, Japan	300	235	49,50,54	South-East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
1700-1900	Daily	Japanese	11910	Yamata, Japan	300	290	43,44	East Asia
			9780	Issoudun, France	500	140	38-40	Middle East
			11800	Yamata, Japan	300	270	41	South Asia
			11945	Issoudun, France	500	155	52,57	Southern Africa
1900-2000	Daily	Japanese	11625	Yamata, Japan	300	305	29,38-40	Eastern Europe, Middle East
			15130	Issoudun, France	500	152	46-48,52,53	West & Central Africa
			9480	Yamata, Japan	300	175	51,55,56,59,60	Australasia
			11625	Yamata, Japan	300	305	29,38-40	Eastern Europe, Middle East
2000-2100	Daily	Japanese	15130	Issoudun, France	500	152	46-48,52,53	West & Central Africa
			11800	Yamata, Japan	300	235	49,50,54	South-East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
2100-2300	Daily	Japanese	11800	Yamata, Japan	300	235	49,50,54	South-East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
2300-0000	Daily	Japanese	11910	Yamata, Japan	300	290	43,44	East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia
			11910	Yamata, Japan	300	290	43,44	East Asia

Foreign Language Services

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0021	Sun/Mon	Indonesian	13600	Yamata, Japan	300	234	49,50,54	South-East Asia
0000-0030	Tue-Sat	Indonesian	13600	Yamata, Japan	300	235	49,50,54	South-East Asia
0030-0100	Daily	Burmese	13600	Yamata, Japan	300	235	49,50,54	South-East Asia
0245-0305	Sat	Burmese	5985	Yangon, Myanmar	50			Myanmar
0330-0350	Mon-Fri	Russian	17560	Yamata, Japan	300	350	23,24,33	Far East Russia
0330-0351	Sat/Sun	English	17560	Yamata, Japan	300	305	29,38-40	Far East Russia
0400-0430	Daily	Spanish	5985	Okeechobee FL, USA	100	222	10-12	Central America
0400-0430	Daily	Chinese	11895	Yamata, Japan	300	290	43,44	East Asia
0430-0450	Mon-Fri	Russian	6165	Nauen, Germany	125	085	29	Europe
0430-0451	Sat/Sun	English	6165	Nauen, Germany	125	085	29	Europe
0430-0500	Mon-Fri	English	7355	Issoudun, France	500	155	53,57	South Africa
0500-0530	Daily	Korean	11870	Yamata, Japan	300	290	43,44	East Asia
0500-0530	Sat/Sun	English	7355	Issoudun, France	500	155	53,57	South Africa

0530-0550	Mon-Fri	French	11730	Issoudun, France	500	190	37,46,47	West Africa
			13840	Issoudun, France	500	152	46-48,52,53	Central Africa
0530-0551	Sat/Sun	French	11730	Issoudun, France	500	190	37,46,47	West Africa
			13840	Issoudun, France	500	152	46-48,52,53	Central Africa
0530-0550	Mon-Fri	Russian	11790	Yamata, Japan	300	330	23,24,33	Far East Russia
0530-0551	Sat/Sun	English	11790	Yamata, Japan	300	330	23,24,33	Far East Russia
0600-0620	Mon-Fri	Arabic	11730	Issoudun, France	500	140	37-39	N Africa, M East
0600-0621	Sat/Sun	Arabic	11730	Issoudun, France	500	140	37-39	N Africa, M East
0920-0935	Wed	Burmese	5985	Yangon, Myanmar	50			Myanmar
1030-1050	Mon-Fri	Russian	7355	Yamata, Japan	300	330	23,24,33	Far East Russia
1030-1051	Sat/Sun	English	7355	Yamata, Japan	300	330	23,24,33	Far East Russia
1100-1130	Daily	Korean	13835	Yamata, Japan	300	290	43,44	East Asia
1130-1200	Daily	Chinese	13835	Yamata, Japan	300	290	43,44	East Asia
1200-1230	Daily	Korean	13835	Yamata, Japan	300	290	43,44	East Asia
1230-1300	Daily	Chinese	6190	Yamata, Japan	300	290	43,44	East Asia
1300-1330	Daily	Korean	6190	Yamata, Japan	300	290	43,44	East Asia
1330-1400	Daily	Chinese	6190	Yamata, Japan	300	290	43,44	East Asia
1400-1430	Daily	English	11815	Yamata, Japan	300	235	49,50,54	South-East Asia
1400-1430	Daily	Korean	6190	Yamata, Japan	300	290	43,44	East Asia
1430-1450	Mon-Fri	Persian	13680	Issoudun, France	500	090	40	Iran
1430-1451	Sat/Sun	Persian	13680	Issoudun, France	500	090	40	Iran
1430-1500	Daily	Burmese	11815	Yamata, Japan	300	235	49,50,54	South-East Asia
1430-1500	Daily	Chinese	6190	Yamata, Japan	300	290	43,44	East Asia
1500-1530	Daily	Bengali	11655	Yamata, Japan	300	270	41	South Asia
1530-1550	Mon-Fri	Hindi	11655	Yamata, Japan	300	270	41	South Asia
1530-1551	Sat/Sun	Hindi	11655	Yamata, Japan	300	270	41	South Asia
1600-1620	Daily	Urdu	9440	Yamata, Japan	300	270	41	South Asia
1600-1621	Sat/Sun	Urdu	9440	Yamata, Japan	300	270	41	South Asia
2030-2050	Mon-Fri	French	7425	Issoudun, France	500	190	37,46,47,52	West Africa
2030-2051	Sat/Sun	French	7425	Issoudun, France	500	290	37,46,47,52	West Africa
2209-2230	Daily	Korean	9560	Yamata, Japan	300	290	43,44	East Asia
2230-2250	Daily	Chinese	9560	Yamata, Japan	300	290	43,44	East Asia
2300-2321	Sat/Sun	Thai	13650	Yamata, Japan	300	235	49,50,54	South-East Asia
2300-2330	Mon-Fri	Thai	13650	Yamata, Japan	300	235	49,50,54	South-East Asia
2330-2340	Mon-Fri	Vietnamese	13650	Yamata, Japan	300	235	49,50,54	South-East Asia
2330-2351	Sat/Sun	Vietnamese	13650	Yamata, Japan	300	235	49,50,54	South-East Asia

JSR Shiokaze

The transmitters at Yamata are also used for shortwave broadcasts to North Korea on behalf of JSR Shiokaze. Programmes concentrate on the abduction issue of Japanese citizens by North Korea and include information on Japanese policy on North Korea and the abduction issue, messages from relatives and friends of the abductees, and familiar Japanese songs. See the entry below for North Korean target broadcasts for the schedule.

Why Yamata transmitters can not broadcast the program of "Furusato no Kaze"

Ron Howard made a very useful comment on the WOR iog on 10 June 2021: "It might be worthwhile to be reminded of a past posting by Glenn, with info from online":

Currently 3 programs "Shiokaze", "Furusato no Kaze" and "Nippon no Kaze" are broadcast towards North Korea from VT Communications, and only "Shiokaze" is transmitted from Yamata. Why can't the Yamata transmitter send the message of "Furusato no Kaze" towards North Korea?

Japanese law on broadcasting says only NHK can broadcast "international service". And government controlled the license of broadcasting – it is quite difficult to get the permission (license) of broadcasting promptly.

At the opening announcement of Shiokaze, they announce call sign as JSR. Exactly speaking, JSR is not call sign for "general" radio stations. Shiokaze got a license for a "special utility broadcast" - the same as Traffic Information Service Radio on 1620 kHz - not for "general broadcast". [So Shiokaze is not really a "clandestine" station - Ron]

In the case of "Furusato no Kaze", they get neither the license of "utility broadcast" nor "general broadcast". And NHK reject the proposal of Japanese government to broadcast "Furusato no Kaze" within the program of Radio Japan. Thus Yamata transmitter can not send message of "Furusato no Kaze." [nor can they broadcast "Nippon no Kaze" - Ron]

(note by Tony Rogers: checking DXLD, the original credit appears to be: via Roger Thauer-D, A-DX ng 30 March 2019 via BC-DX 31 March 2019 via DXLD)

Korea (North)

Radio and Television Broadcasting Committee of the Democratic People's Republic of Korea

The Radio and Television Broadcasting Committee of the Democratic People's Republic of Korea is the state-owned broadcaster of North Korea. The committee is under the Cabinet of North Korea, but its personnel is chosen and appointed by the Propaganda and Agitation Department (PAD) of the Workers' Party of Korea. All three major television stations and 200 radio stations are controlled by the committee. The exceptions are Pyongyang FM Broadcasting Station, Pyongyang Broadcasting Station, and the Voice of National Salvation, which are under the United Front Department of the Workers' Party of Korea instead. The committee also controls the Korean Central News Agency.

Korean Central Broadcasting Station

The Korean Central Broadcasting Station (KCBS) is the main domestic radio network in the DPRK. It sits under the Central Broadcasting Committee of the DPRK. KCBS broadcasts from 5am to 3am local time via a network of mediumwave and shortwave transmitters that cover the nation. The powerful transmissions can easily be heard in neighbouring countries, including South Korea where some of its frequencies are jammed. It is also relayed at certain times via the Voice of Korea, the DPRK's international shortwave service. A central programme is broadcast from Pyongyang on most transmitters through the entire broadcast day, but some are reported to carry regional programming between 2pm and 3pm. All programming is in Korean and includes music, talk and news. Main news bulletins are broadcast at 6am, 7am, 10am, midday, 3pm, 5pm, 8pm, 9pm and 10pm. (description as per Martyn Williams, northkoreatech.org, 3 November 2010, although still appears valid despite the age)

Schedule: 2000-1800 UTC, daily, in Korean.

Target area: North Korea - domestic audience.

<i>kHz</i>	<i>Location</i>	<i>kW</i>	<i>Az.</i>	<i>Notes</i>
2350	Sariwon	5	ND	
3205	Pyongyang	100	ND	DRM
3220	Hamnung	5	ND	
3250	Pyongyang	100	ND	
3920	Hysean	5	ND	
3959	Kanggye	5	ND	
6100	Kanggye	250	ND	
9665	Kanggye	50	ND	
11680	Kanggye	50	ND	



Note: some frequencies may be slightly offset from the nominal.

International broadcasting on shortwave

Voice of Korea

Voice of Korea is the international broadcasting service of North Korea. Until 2002 it was known as Radio Pyongyang. Most of the broadcasts are transmitted from the Kujang shortwave transmitter site, approximately 25 km from the city of Kujang. A transmitter site in Kanggye is used as well.

North Korea does not make any registrations with the HFCC so the schedule below has been compiled with reference to Ivo Ivanov's Bulgarian DX blog, Nagoya DXers Circle (Aoki) and Eike Bierwirth's EiBi list

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>Target</i>
0300-0400	Daily	Chinese	13650	Kujang	200	238	South-East Asia
			15105	Kujang	200	238	South-East Asia
0300-0400	Daily	Spanish	11735	Kujang	200	028	Central & South America
			15180	Kujang	200	028	Central & South America
0400-0500	Daily	English	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
			9730	Kujang	200	ND	East Asia
			11735	Kujang	200	028	Central & South America
			15180	Kujang	200	028	Central & South America
0400-0500	Daily	French	13650	Kujang	200	238	South-East Asia
			15105	Kujang	200	238	South-East Asia
0500-0600	Daily	Chinese	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
			9730	Kujang	200	ND	East Asia
0500-0600	Daily	English	13650	Kujang	200	238	South-East Asia
			15105	Kujang	200	238	South-East Asia
0500-0600	Daily	Spanish	11735	Kujang	200	028	Central & South America
			15180	Kujang	200	028	Central & South America
0600-0700	Daily	Chinese	13650	Kujang	200	238	South-East Asia
			15105	Kujang	200	238	South-East Asia
0600-0700	Daily	English	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
			9730	Kujang	200	ND	East Asia

0600-0700	Daily	French	11735	Kujang	200	028	Central & South America
			15180	Kujang	200	028	Central & South America
0700-0900	Daily	Japanese	7580	Kujang	200	109	East Asia
			9650	Kujang	200	109	East Asia
0700-0900	Daily	Russian	9875	Kujang	200	028	Eastern Russia
			11735	Kujang	200	028	Eastern Russia
			15245	Kujang	200	326	Western Russia
0800-0900	Daily	Chinese	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
0900-0950	Daily	Korean (KCBS)	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
0900-1250	Daily	Japanese	6070	Kanggye	250	109	East Asia
			7580	Kujang	200	109	East Asia
			9650	Kujang	200	109	East Asia
1000-1100	Daily	English	6170	Kujang	200	028	Central & South America
			6185	Kujang	200	238	South-East Asia
			9435	Kujang	200	028	Central & South America
			9850	Kujang	200	238	South-East Asia
1100-1200	Daily	Chinese	7220	Kujang	200	ND	East Asia
			9445	Kujang	200	ND	East Asia
1100-1200	Daily	French	6170	Kujang	200	028	Central & South America
			6185	Kujang	200	238	South-East Asia
			9435	Kujang	200	028	Central & South America
			9850	Kujang	200	238	South-East Asia
1200-1250	Daily	Korean (KCBS)	6170	Kujang	200	028	Central & South America
			6185	Kujang	200	238	South-East Asia
			9435	Kujang	200	028	Central & South America
			9850	Kujang	200	238	South-East Asia
1300-1400	Daily	Chinese	6185	Kujang	200	238	South-East Asia
			9850	Kujang	200	238	South-East Asia
1300-1400	Daily	English	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1400-1450	Daily	Korean (KCBS)	6185	Kujang	200	238	South-East Asia
			9850	Kujang	200	238	South-East Asia
1400-1500	Daily	French	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1400-1500	Daily	Russian	6170	Kujang	200	325	Western Russia
			9425	Kujang	200	325	Western Russia
1500-1600	Daily	Arabic	9890	Kujang	200	296	Middle East
			11645	Kujang	200	296	Middle East
1500-1600	Daily	English	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1500-1600	Daily	Russian	6170	Kujang	200	325	Western Russia
			9425	Kujang	200	325	Western Russia
1600-1700	Daily	English	9890	Kujang	200	296	Middle East
			11645	Kujang	200	296	Middle East
1600-1700	Daily	French	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1600-1700	Daily	German	6170	Kujang	200	325	Western Europe
			9425	Kujang	200	325	Western Europe
1700-1750	Daily	Korean (KCBS)	7570	Kujang	200	325	Western Europe
			9435	Kujang	200	028	North America
			11710	Kujang	200	028	North America
			12015	Kujang	200	325	Western Europe
1700-1800	Daily	Arabic	9890	Kujang	200	296	Middle East
			11645	Kujang	200	296	Middle East
1700-1800	Daily	Russian	6170	Kujang	200	325	Western Russia
			9425	Kujang	200	325	Western Russia
1800-1900	Daily	English	7570	Kujang	200	325	Western Europe
			12015	Kujang	200	325	Western Europe

1800-1900	Daily	French	7210	Kujang	200	271	Central Africa			
			9875	Kujang	200	296	Middle East			
			11635	Kujang	200	296	Middle East			
			11910	Kujang	200	271	Central Africa			
1800-1900	Daily	German	6170	Kujang	200	325	Western Europe			
			9425	Kujang	200	325	Western Europe			
1900-2000	Daily	English	7210	Kujang	200	271	Central Africa			
			9875	Kujang	200	296	Middle East			
			11635	Kujang	200	296	Middle East			
			11910	Kujang	200	271	Central Africa			
1900-2000	Daily	German	6170	Kujang	200	325	Western Europe			
			9425	Kujang	200	325	Western Europe			
1900-2000	Daily	Spanish	7570	Kujang	200	325	Western Europe			
			12015	Kujang	200	325	Western Europe			
			2000-2050	Daily	Korean (KCBS)	6170	Kujang	200	325	Western Europe
						7210	Kujang	200	271	Central Africa
9425	Kujang	200				325	Western Europe			
9875	Kujang	200				296	Middle East			
2000-2100	Daily	French	11635	Kujang	200	296	Middle East			
			11910	Kujang	200	271	Central Africa			
			7570	Kujang	200	325	Western Europe			
			12015	Kujang	200	325	Western Europe			
2100-2300	Daily	Chinese	7235	Kujang	200	ND	North-East Asia			
			9445	Kujang	200	ND	North-East Asia			
			9875	Kujang	200	271	East Asia			
			11635	Kujang	200	271	East Asia			
2100-2200	Daily	English	7570	Kujang	200	325	Western Europe			
			12015	Kujang	200	325	Western Europe			
2100-2350	Daily	Japanese	7580	Kujang	200	109	East Asia			
			9650	Kujang	200	109	East Asia			
2200-2300	Daily	Spanish	7570	Kujang	200	325	Western Europe			
			12015	Kujang	200	325	Western Europe			
2300-2350	Daily	Korean (KCBS)	7235	Kujang	200	ND	North-East Asia			
			7570	Kujang	200	325	Western Europe			
			9445	Kujang	200	ND	North-East Asia			
			9875	Kujang	200	271	East Asia			
			11635	Kujang	200	271	East Asia			
			12015	Kujang	200	325	Western Europe			



Pyongyang Broadcasting Station (Pyongyang Pansong)

The Pyongyang Broadcasting Station is part of the Radio & TV Broadcasting Committee of the DPRK for Korean listeners in South Korea, China and Japan.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	Target
2100-1800	Daily	Korean	3320	Pyongyang	50	ND	East Asia
			4557	Pyongyang	50	ND	East Asia
			6160	Kanggye	50	ND	East Asia
1800-1900	Daily	Korean	3220	Hamnung	5	ND	East Asia
			3320	Pyongyang	50	ND	East Asia
			4557	Pyongyang	50	ND	East Asia
1900-2000	Daily	Korean	3220	Hamnung	5	ND	East Asia
			4557	Pyongyang	50	ND	East Asia

Target broadcasts on shortwave to North Korea

JSR Shiokaze (Sea Breeze)

Shiokaze (Sea Breeze) broadcasts to North Korea and is operated by the independent investigating organisation "Investigation Commission on Missing Japanese Probably Related to North Korea", regarding persons believed to have been abducted by North Korea prior to 1983. The daily shortwave radio programme broadcast from Tokyo highlights the plight of those who were kidnapped. It is compiled in an office owned by the group which campaigns to keep the issue in the public eye and supports the families of those abducted. JSR Shiokaze radio is broadcast twice a day for 30 minutes. There are editions in Japanese, Korean, English and Chinese, and they include the latest news about the abduction issue, messages to those abducted and appeals for help in finding them.

Frequencies: please note that frequencies are rotated on a monthly basis. Those listed below are the ones in use at the time of editing but will change to alternatives in the range 5920-7295.

Schedule effective since 27 March 2022

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1300-1400	Daily	as below	6040	Yamata, Japan	300	290	44E
			6165	Yamata, Japan	300	290	44E
1405-1435	Daily	as below	5920	Yamata, Japan	300	290	44E
			7295	Yamata, Japan	300	290	44E
1600-1700	Daily	as below	5935	Yamata, Japan	300	290	44E
			6090	Yamata, Japan	300	290	44E
1705-1800	Daily	as below	5955	Yamata, Japan	300	290	44E
			6070	Yamata, Japan	300	290	44E

Language schedule

1300-1330 and 1600-1630	Mon/Tue/Sat/Sun	in Japanese
1300-1330 and 1600-1630	Wed/Fri	in Korean
1300-1330 and 1600-1630	Thu	in English
1330-1400 and 1630-1700	Mon/Tue	in Japanese
1330-1400 and 1630-1700	Wed/Fri/Sat/Sun	in Korean
1330-1400 and 1630-1700	Thu	in English

1405-1435 Daily in Japanese. The daily broadcast at 1405-1435 starts and ends with announcements from Shiokaze but the actual programme content is from Furusato no Kaze (see schedule below for other broadcasts from Furusato no Kaze)

The 1705-1800 broadcast was added on 31 March 2022. The programme has the same composition as at 1405, with "Shiokaze" announcements at the beginning and end. The first programme is "Furusato no Kaze" in Japanese produced by the Japanese government, followed by "Nippon no Kaze" in Korean for the latter half.

Nippon no Kaze / Furusato no Kaze

Nippon no Kaze and Furusato no Kaze (Wind from Japan and Wind from the Homeland) are programmes broadcast in Korean and Japanese to the DPRK. Content includes information on Japanese policy on North Korea and the abduction issue, messages from relatives and friends of the abductees, and familiar Japanese songs.

Time/UTC	Days	Service	Language	kHz	Transmitter site	kW	Az.	CIRAF
1300-1330	Daily	Nippon no Kaze	Korean	9455	Tanshui, Taiwan	300	352	44E
				9705	Paochung, Taiwan	300	002	44E
				11875	Tashkent, Uzbekistan	100	076	44E
1330-1400	Daily	Furusato no Kaze	Japanese	9455	Tanshui, Taiwan	300	352	44E
				9705	Paochung, Taiwan	300	002	44E
				11875	Tashkent, Uzbekistan	100	076	44E
1430-1500	Daily	Furusato no Kaze	Japanese	9685	Tanshui, Taiwan	300	352	44E
				9705	Paochung, Taiwan	300	002	44E
				11955	Tashkent, Uzbekistan	100	076	44E
1500-1530	Daily	Nippon no Kaze	Korean	6110	Tanshui, Taiwan	300	352	44E
				7335	Tashkent, Uzbekistan	100	076	44E
				9685	Paochung, Taiwan	300	002	44E
1530-1600	Daily	Nippon no Kaze	Korean	6110	Tanshui, Taiwan	300	352	44E
				7335	Tashkent, Uzbekistan	100	076	44E
				9685	Paochung, Taiwan	300	002	44E
1600-1630	Daily	Furusato no Kaze	Japanese	6110	Tanshui, Taiwan	300	352	44E
				7335	Tashkent, Uzbekistan	100	076	44E
				9740	Paochung, Taiwan	300	002	44E
1630-1700	Daily	Nippon no Kaze	Korean	6110	Tanshui, Taiwan	300	352	44E
1700-1730	Daily	Furusato no Kaze	Japanese	6110	Tanshui, Taiwan	300	352	44E
1730-1800	Daily	Nippon no Kaze	Korean	5845	Tashkent, Uzbekistan	100	076	44E
1800-1830	Daily	Nippon no Kaze	Japanese	5845	Tashkent, Uzbekistan	100	076	44E

Voice of America and Radio Free Asia

Voice of America (VOA) is an American international broadcaster funded by the United States Congress. It is the largest and oldest U.S. funded international broadcaster. VOA produces programmes for audiences in North Korea. Radio Free Asia operates under a US Congressional mandate to deliver uncensored, domestic news and information to several countries in Asia with poor media environments and few, if any, free speech protections. This includes North Korea.

Time/UTC	Days	Station	Language	kHz	Transmitter site	kW	Az.	CIRAF
1200-1300	Daily	Voice of America	Korean	9350	Tinang, Philippines	250	021	44NE
				9490	Udon Thani, Thailand	250	038	44NE
				12080	Tinang, Philippines	250	021	44NE
1200-1300	Daily	Radio Free Asia	Korean	9700	Paochung, Taiwan	300	002	44NE
1300-1400	Daily	Voice of America	Korean	9350	Tinang, Philippines	250	021	44NE
				12045	Udon Thani, Thailand	250	038	44NE
				12080	Tinang, Philippines	250	021	44NE
1300-1400	Daily	Radio Free Asia	Korean	9460	Paochung, Taiwan	300	002	44NE
1400-1500	Daily	Voice of America	Korean	9410	Tinang, Philippines	250	021	44NE
				12045	Udon Thani, Thailand	250	038	44NE
				12080	Tinang, Philippines	250	021	44NE
1500-1700	Daily	Radio Free Asia	Korean	9915	Saipan, Northern Marianas	100	325	44NE
				9990	Tinian, Northern Marianas	250	329	44NE
				11985	Saipan, Northern Marianas	100	325	44NE
1700-1900	Daily	Radio Free Asia	Korean	9990	Saipan, Northern Marianas	100	325	44NE
				11985	Saipan, Northern Marianas	100	325	44NE
				5875	Udon Thani, Thailand	250	038	44NE
1900-2100	Daily	Voice of America	Korean	7365	Udon Thani, Thailand	250	038	44NE
				7485	Tinang, Philippines	250	021	44NE
				9540	Tinian, Northern Marianas	250	329	44NE
2100-2200	Daily	Radio Free Asia	Korean	11945	Saipan, Northern Marianas	100	325	44NE
				11985	Tinian, Northern Marianas	250	329	44NE

Committee for the Democratization of North Korea (CDNK)

CDNK is a broadcast from the Committee for the Democratization of North Korea. It was launched on 2 March 2021.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1400-1430	Tue/Thu/Sat	Korean	7580	Tashkent, Uzbekistan	100	076	44W

Echo of Hope

Echo of Hope is operated by South Korea's National Intelligence Service and broadcasts news and information to NK.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
0000-0400	Daily	Korean	4890	Seoul, South Korea	100	ND	44E
			6250	Seoul, South Korea	10	010	44E
			9105	Seoul, South Korea	10	010	44E
0400-0800	Daily	Korean	3985	Hwaseong, South Korea	100	ND	44E
			5995	Hwaseong, South Korea	100	ND	44E
			6350	Hwaseong, South Korea	100	ND	44E
0800-0000	Daily	Korean	3985	Hwaseong, South Korea	100	ND	44E
			4890	Seoul, South Korea	100	ND	44E
			5995	Hwaseong, South Korea	100	ND	44E
			6250	Seoul, South Korea	10	010	44E
			6350	Hwaseong, South Korea	100	ND	44E
9105	Seoul, South Korea	10	010	44E			

Note: transmitters switch to adjacent frequencies (+/- 5 kHz) to avoid North Korean jamming.

Living Water Ministry Broadcasting

Living Waters Gospel Broadcasts is involved in a variety of activities "to spread the good news to the unreached through TV gospel transmission, Radio gospel broadcasts and Emmaus Bible Study literature".

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1500-1600	Tue-Sat	Korean	9900	KTWR, Agana, Guam	250	320	44-45

North Korea Reform Radio

Since 2007, NKRR has broadcast to DPRK. The primary target audience is North Korea's elite population (military officers, intellectuals, university students) in order to educate the future leaders of North Korea and help them access external information, so that they can lead the internal reform themselves while promoting ideals of democracy and freedom.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1400-1500	Daily	Korean	11570	Tashkent, Uzbekistan	100	076	44E
2000-2100	Daily	Korean	7590	Tashkent, Uzbekistan	100	076	44E

National Unity Radio / Radio Free Chosun

National Unity Radio is part of the Unification Media Group (UMG), a news and entertainment production organisation focused on North Korea. UMG produces and broadcasts news, civic education and cultural programmes.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1200-1500	Daily	Korean	7200	Tanshui, Taiwan	300	352	44E

Radio Free North Korea

Radio Free North Korea is an independent radio broadcaster based in Seoul, South Korea. The station is run primarily by North Korean refugees and defectors and broadcasts news and information to the general population inside North Korea. The radio was established by Kim Seong-min, a former North Korean military monitor for foreign broadcasts, who was influenced by the foreign broadcasts that he monitored and defected from North Korea in 1996.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1300-1400	Daily	Korean	11510	Tashkent, Uzbekistan	100	076	44E
2000-2100	Daily	Korean	7630	Tashkent, Uzbekistan	100	076	44E

Sae Nala Bangsong

An entry for this appears in the WRTH A21 update for May 2021. It is marked as a religious broadcast in Korean.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1730-1800	Tue/Thu/Sun	Korean	7505	Tashkent, Uzbekistan	100	076	44E

Voice of Freedom

Voice of Freedom is operated by South Korea's Ministry of Defence.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0800-0400	Daily	Korean	6040 (alt 5920)	Hwaseong, South Korea	10	ND	44E

Voice of the People

Voice of the People is operated by South Korea's National Intelligence Service and broadcasts news and information to listeners in North Korea.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
24 hours	Daily	Korean	3480	Kyonggi-do Koyang, South Korea	50	ND	44E
			3910	Kyonggi-do Koyang, South Korea	50	ND	44E
			3930	Kyonggi-do Koyang, South Korea	50	ND	44E
			4450	Kyonggi-do Koyang, South Korea	50	ND	44E
			6520	Kyonggi-do Koyang, South Korea	50	ND	44E
			6600	Kyonggi-do Koyang, South Korea	50	ND	44E

Voice of the Martyrs

Voice of the Martyrs is a Christian broadcasting service aimed at North Korea. The VOTM website states "We've recently been updating the way in which we broadcast into NK. We learned that TV news broadcasting in NK has more of the sound of our old style broadcast but radio broadcasting in NK is using warmer personal voices these days. Our broadcast is pioneering the use of a combined NK/SK announcing corps, with NKs and SKs interacting about the Bible and the Christian faith in friendly voices".

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1200-1230	Daily	Korean	15550	Tashkent, Uzbekistan	100	076	44E
1530-1600	Daily	Korean	7530	Tashkent, Uzbekistan	100	076	44E
2100-2130	Daily	Korean	7550	Tashkent, Uzbekistan	100	076	44E

Voice of Wilderness

Voice of Wilderness is a programme produced by Cornerstone Ministries International. This ministry is organised to support the persecuted church in any nation restricting the propagation of the Gospel.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1400-1500	Daily	Korean	9330	Tashkent, Uzbekistan	100	076	44E
1500-1530	Sun	Korean	9330	Tashkent, Uzbekistan	100	076	44E

Korea (South)

KBS World Radio

KBS World Radio is the official international broadcasting station of South Korea. Owned by the Korean Broadcasting System, the station broadcasts news and information in 11 languages

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0100-0200	Daily	Japanese	9580	Kimje, South Korea	250	081	45	East Asia
0100-0200	Daily	Spanish	11880	Greenville NC, USA	250	176	12,14	South America
0200-0300	Daily	English	9580	Kimje, South Korea	250	081	45†	South America
0200-0300	Daily	Japanese	11810	Kimje, South Korea	250	081	45†	East Asia
0200-0300	Daily	Spanish	15575	Kimje, South Korea	250	040	1,2,6	North America
0300-0400	Daily	Korean	11810	Kimje, South Korea	250	081	45†	South America
0700-0800	Daily	Korean	11620	Woofferton, UK	250	102	28	Western Europe

0800-0900	Daily	Japanese	6155	Kimje, South Korea	100	ND	44,45	East Asia
			7275	Kimje, South Korea	250	ND	44,45	East Asia
0800-0900	Daily	Korean	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
0800-1030	Daily	English	9770	Kimje, South Korea	100	225	44S,49SE,50,54N	South-East Asia
0900-1000	Daily	Korean	7275	Kimje, South Korea	250	ND	44,45	East Asia
			9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
			15160	Kimje, South Korea	250	290	39E,40	Middle East
1000-1100	Daily	Korean	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
1030-1100	Daily	Vietnamese	9770	Kimje, South Korea	250	225	44S,49,50	South-East Asia
1100-1200	Daily	Korean	7275	Kimje, South Korea	250	ND	44,45	East Asia
1100-1200	Daily	Spanish	11795	Kimje, South Korea	250	081	45†	South America
1130-1230	Daily	Chinese	6095	Kimje, South Korea	250	290	29SE,30S,39,40	Middle East
			9770	Kimje, South Korea	100	225	44S,49,50	South-East Asia
1200-1300	Daily	Indonesian	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
1300-1400	Daily	English	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
			15575	Kimje, South Korea	250	040	1,2,6	North America
1300-1400	Daily	Russian	9645	Kimje, South Korea	100	304	30N,31N,32N	Central Russia
1400-1500	Daily	English	9785	Kimje, South Korea	250	264	41	South Asia
1400-1500	Daily	Indonesian	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
1400-1500	Daily	Korean	15575	Kimje, South Korea	250	040	1,2,6	North America
1500-1600	Daily	English	9515	Kimje, South Korea	100	304	28,29	Europe
			9785	Kimje, South Korea	250	264	41	South Asia
1530-1600	Daily	Vietnamese	9640	Kimje, South Korea	100	225	43SE,44S,49	South-East Asia
1600-1700	Daily	Korean	7275	Kimje, South Korea	250	305	28,39N,30-33,42,43N,44NW	EuMEAs
			9740	Kimje, South Korea	250	290	39E,40	Middle East
1600-1700	Daily	English	9515	Kimje, South Korea	100	304	28,29	Europe
			9640	Kimje, South Korea	100	225	43SE,44S,49	South-East Asia
1600-1700	Daily	Indonesian	9570	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
1700-1900	Daily	Korean	9515	Kimje, South Korea	250	304	28,29	Europe
1800-1900	Daily	Spanish	9740	Kimje, South Korea	250	290	37NW	Europe
1800-1900	Daily	Russian	11785	Wofferton, UK	300	066	29N,29SE	Western Russia
1900-2000	Daily	French	6145	Wofferton, UK	250	114	27SE	Europe
2000-2100	Daily	German	3955	Wofferton, UK	250	114	28NW	Europe
2000-2100	Daily	French	5950	Issoudun, France	250	175	37NE,37S,38,46N,47NW	Africa
2000-2100	Daily	Arabic	6090	Wofferton, UK	250	172	37S	North Africa
2200-2300	Daily	Indonesian	9685	Kimje, South Korea	100	205	44S,49SE,50,54N	South-East Asia
2200-2300	Daily	English	11810	Kimje, South Korea	250	305	28S,31,32,38N,39NW,43,44	EuMEAs
2300-2330	Daily	Vietnamese	9640	Kimje, South Korea	100	225	43SE,44S,49	South-East Asia
2300-0000	Daily	Chinese	7215	Kimje, South Korea	100	290	43,44	East Asia
			9805	Kimje, South Korea	100	205	43,44	East Asia

† although the HFCC registration states the broadcast is for CIRAF zone 45, the KBS World Radio schedule states that the intended target is actually South America (a bit further on!)

KBS Korean Global Network

The Global Korean Network is a service of KBS for ethnic Koreans living outside of South Korea.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0350-0000	Daily	Korean	6015	Hwaeseong, South Korea	100	ND	44N



Target broadcasts on shortwave to South Korea

Echo of Unification

Echo of Unification is a North Korean propaganda radio station targeting listeners in South Korea.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0400-0600	Daily	Korean	3945	Pyongyang, North Korea	100	ND	44E
			3970	Chongjin-Nanam, North Korea	5	ND	44E
			5905	Pyongyang, North Korea	100	ND	44E
1200-1400	Daily	Korean	3945	Pyongyang, North Korea	100	ND	44E
			3970	Chongjin-Nanam, North Korea	5	ND	44E
			5905	Pyongyang, North Korea	100	ND	44E
2200-0000	Daily	Korean	3945	Pyongyang, North Korea	100	ND	44E
			3970	Chongjin-Nanam, North Korea	5	ND	44E
			5905	Pyongyang, North Korea	100	ND	44E

Kyrgyzstan

Public Broadcasting Corporation of the Kyrgyz Republic

The Public Broadcasting Corporation of the Kyrgyz Republic (KTRK) is the public broadcasting corporation of Kyrgyzstan.

Birinchi Radio (First Programme)

The First Programme is called Birinchi Radio, broadcasting news, information and sports.

Transmitter site: Bishkek-Krasnaya Rechka.

Target area: Kyrgyzstan - domestic audience.

Time/UTC	Days	Languages	kHz	kW	Az.
0000-1800	Daily	Kyrgyz/Russian	4010v	100	ND

The following are carried on Birinchi Radio as follows (as per Kyrgyz Radio website and monitoring observations):

UTC	Days	Programme	UTC	Days	Programme
0000	Daily	Sign-on (0600 local time)	1400-1500	Daily	Radio Liberty (RFE/RL) in Kyrgyz
0330-0430	Daily	Radio Liberty (RFE/RL) in Kyrgyz	1500-1506	Sat/Sun	BBC WS News in English
0800-0900	Mon-Fri	"Chinese Window" (in Kyrgyz?)	1500-1530	Mon-Fri	BBC Kyrgyz
0900-0930	Daily	Radio Liberty (RFE/RL) in Kyrgyz	1530-1600	Daily	Radio Liberty (RFE/RL) in Kyrgyz
0930-1000	Daily	Voice of Turkey in Kyrgyz	1600-1606	Mon-Fri	BBC WS News in English
1000-1004	Sat/Sun	BBC WS Sports News in English	1600-1700	Sat/Sun	"Chinese Window" (in Kyrgyz?)
1005-1009	Mon-Fri	BBC WS Sports News in English	1800	Daily	Sign-off (0000 local time)
1300-1330	Mon-Fri	BBC Kyrgyz			

Kyrgyz Radiosu (Second Programme)

Kyrgyz Radiosu is the Second Programme of KTRK with an emphasis on culture and education. The last report of Kyrgyz Radio 2 on 4820 kHz (Bishkek-Krasnaya Rechka - 15 kW) appears to have been in early 2020 and the service is assumed to be inactive now on shortwave.

International broadcasts on shortwave

Kyrgyztelekom shortwave transmitter

This low power shortwave transmitter at Krasnaya Rechka (reported to be 15 kW) is owned and operated by Kyrgyztelekom. It is heard with a relay of "Sedaye Zindagi" (Voice of Life), a Christian programme of Pamir Ministries in Dari for listeners in Afghanistan, which is preceded by a Christian programme that appears to be in a Central Asian language (presumably unrelated to Pamir Ministries).

Transmitter site: Bishkek-Krasnaya Rachka, Kyrgyzstan.

Time/UTC	Days	Service	Language	kHz	kW	Az.	Target area
1500-1600	Daily	unknown religious programme	Central Asian?	5130	15	ND	Central Asia?
1600-1800	Daily	Sedaye Zindagi	Dari	5130	15	ND	Afghanistan

Laos

Lao National Radio

Lao National Radio is the national radio station of Laos. The transmitter of LNR on 6130 kHz (Vientiane 50 kW) has not been reported since 2020. It was scheduled at 2200-0800 and 0900-1630 and included foreign language programmes in Chinese (1400-1430), English (1430-1500), French (1500-1530), Thai (1530-1600) and Vietnamese (1600-1630).

On 8 May 2021, Ron Howard wrote: "6130, LNR. Recently emailed the Director General of Lao National Radio (Phosy Keomanivong), saying in part: "For a long time now I have noted the absence of LNR on SW. I hope that you will again be able to transmit on 6130 kHz. in the near future. Your presence on SW is greatly missed!" No reply yet. Thanks to Mauno Ritola, for his encouragement to contact LNR. Now with the temporary absence of Xizang PBS (Tibet - Lhasa), it is especially clear that LNR is not broadcasting on 6130". (*Xizang PBS is back on 6130 kHz after its temporary absence but LNR has sadly not returned - TR*)

Malaysia

Sarawak FM

Sarawak FM (formerly known as Radio Malaysia Sarawak (RMS) is a Malay language-state radio station operated by Radio Televisyen Malaysia. The station covers the whole of Sarawak with a 24 hour broadcast which airs Malaysian and international music. Sarawak FM is also relayed on shortwave.

Transmitter site: Kajang, West Malaysia.

Target area: Malaysia - domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
2200-1400	Daily	Malay	9835	100	093	54NE

Wai FM

Wai FM is a, Iban-language radio station in Sarawak operated by Radio Televisyen Malaysia. RTM caused outcry in August 2020 when it switched from the existing programme format that was popular with Iban-speaking listeners in the state and the decision was quickly reversed when Malaysian government ministers intervened. Wai FM is also relayed on shortwave.

Transmitter site: Kajang, West Malaysia - 100 kW.

Target area: Malaysia - domestic audience.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2200-1400	Daily	Iban	11665	100	025	44N,45NW

Maldives

Target broadcast to the Maldives

Voice of the Martyrs

VOM Korea has started a daily broadcast to the Maldives. VOM states "The Maldives is one of the most restricted nations in the world, with fewer than 10 known believers. Any Maldivian who follows Christ must remain secret or face arrest or expulsion from the country. The Maldivian government seeks to eliminate or greatly minimize outside influences on their cultural identity, which includes complete commitment to Islam". It goes on to say that "VOM uses creative, secretive methods to share the gospel inside the Maldives". In an email to Glenn Hauser, Pastor Dillmuth confirms the new broadcast to the Maldives and says "It is currently in English, but we hope to have more and more content in Dhivehi shortly. Due to our agreement with our radio broadcast partner, we are unable to share the location of the transmission.

Transmitter Site: unconfirmed.

<i>Schedule</i>	<i>Days</i>	<i>Languages</i>	<i>kHz</i>
1500-1530	Daily	English (with Dhivehi to be added later)	11620

Glenn Hauser was the first to hear this station on 11620 kHz on 6 April 2022.

Federated States of Micronesia

The Cross

The Cross is the radio station of Pacific Missionary Aviation. Their website says that the shortwave service "is currently down as we are awaiting an engineer and parts". Its assigned frequency is 4755 kHz.

Mongolia

Mongolian National Broadcaster

The Mongolian National Broadcaster (MNB) is the official state-funded broadcaster in Mongolia.

P3 - FM 100.9

P3 is the only domestic radio service in Mongolia that has been broadcast on shortwave in recent times. However, it appears not to have been reported since October 2020 and it's current status is subject to confirmation. The frequencies are 4895 kHz (Moron 10 kW) and 7260 kHz (Khonkhor 50 kW).

International broadcasts on shortwave

Voice of Mongolia

Voice of Mongolia is the official international broadcasting station of Mongolia, operated by MNB.

Transmitter site: Ulaanbaatar with one 250 kW shortwave transmitter; Voice of Mongolia is also heard on Shortwaveservice in Germany.

<i>Time/UTC</i>	<i>Days</i>	<i>Languages</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0130-0200	Tue-Sat	English	5800	Okeechobee FL, USA	100	160	11-16	Americas
0900-0930	Daily	English	12085	Ulaanbataar, Mongolia	250	178	43,44,49	South-East Asia
0930-1000	Daily	Mongolian	12085	Ulaanbataar, Mongolia	250	116	45	East Asia
1000-1030	Daily	Chinese	12085	Ulaanbataar, Mongolia	250	116	45	East Asia
1030-1100	Daily	Japanese	12085	Ulaanbataar, Mongolia	250	116	45	East Asia
1200-1230	Daily	English	6005	Kall-Krekel, Germany	1	ND	18,19,27,28,29	Europe
1300-1330	Daily	Mongolian	12015	Ulaanbataar, Mongolia	250	178	43,44,49	East/SE Asia
1330-1400	Daily	Chinese	12015	Ulaanbataar, Mongolia	250	178	43,44,49	East/SE Asia
1400-1430	Daily	Japanese	12015	Ulaanbataar, Mongolia	250	116	45	East Asia
1430-1500	Daily	English	12015	Ulaanbataar, Mongolia	250	116	45	East Asia

Myanmar

Myanma Radio - National Programme

Myanma Radio is part of Myanma Radio and Television, the state-operated broadcasting service in Myanmar.

Transmitter site: Yangon - 50 kW (it appears that a second transmitter is currently inactive).

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>
2300-0130	Daily	Burmese	5985
0130-0230	Daily	Burmese	9730
0230-0330	Daily	English	9730
0330-0700	Daily	Burmese	9730
0700-0730	Daily	English	9730
0730-1130	Daily	Burmese	9730
1150-1530	Daily	Burmese	5985
1530-1630	Daily	English	5985
1630-1700	Daily	Burmese	5985

Programmes from foreign broadcasters on 5985 kHz (subject to confirmation; times may vary)

0245-0305	Sat	NHK World Japan	Burmese
0920-0935	Wed	NHK World Japan	Burmese
1530-1600	Wed	Voice of America	Learning English

Myanma Radio - Minorities Service

Aside from Myanmar (Burmese) and its dialects, the hundred or so languages of Myanmar include Shan (Tai, spoken by 3.2 million), Karen languages (spoken by 2.6 million), Kachin (spoken by 900,000), Thamizh (spoken by 1.1 Million), various Chin languages (spoken by 780,000), and Mon (Mon-Khmer, spoken by 750,000).

Transmitter site: Naypyidaw - 50 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>
2300-1700	Daily	Minority languages	5915

Thazin Radio

Thazin Radio is operated by the Burmese military. It is based in Pyin Oo Lwin, a scenic hill town in the Mandalay Region, which has approximately 10,000 Indian and 8,000 Gurkha inhabitants who settled there during British rule. Today, Pyin Oo Lwin has a thriving Eurasian community, consisting mostly of Anglo-Burmese and Anglo-Indians. There is also a diverse mix of Chinese, Chin, Kachin, Karen, Shan, Bamars (Burmese) and communities.

Main Programme

Transmitter site: Pyin Oo Lwin, Mandalay Region - 50 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Languages</i>	<i>kHz</i>
2330-0130	Daily	Burmese	6030
0130-0200	Daily	English	6030
0430-0630	Daily	Burmese	9460
0630-0700	Daily	English	9460
0930-1430	Daily	Burmese	6165
1430-1500	Daily	English	6165

The Minorities Programme which operates on 6165 kHz at 2330-0030, 9590 kHz at 0130-0230 and 0430-0530, and 7345 kHz at 0930-1030 UTC has not been confirmed recently and may be inactive.

Selected target broadcasts to Myanmar

Voice of America and Radio Free Asia

Voice of America (VOA) is an American international broadcaster funded by the United States Congress. It is the largest and oldest U.S. funded international broadcaster. VOA produces programmes for audiences in Burma. Radio Free Asia operates under a US Congressional mandate to deliver uncensored, domestic news and information to several countries in Asia with poor media environments and few, if any, free speech protections. This includes Burma.

Target area: Burma & environs.

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
2330-0030	Daily	Voice of America	Burmese	5875	Udon Thani, Thailand	250	280	49W
				7410	Udon Thani, Thailand	250	276	49W
				12110	Tinang, Philippines	250	270	49W
0030-0100	Daily	Radio Free Asia	Burmese	7280	Dhabbaya, UAE	250	090	49W
				12140	Tinian, Northern Marianas	250	289	49W
				15110	Saipan, Northern Marianas	100	270	49W
				15250	Paochung, Taiwan	250	205	49W
				15700	Tinian, Northern Marianas	250	289	49W
0100-0130	Daily	Radio Free Asia	Burmese	7280	Dhabbaya, UAE	250	090	49W
				12140	Tinian, Northern Marianas	250	289	49W
				15110	Saipan, Northern Marianas	100	270	49W
				15700	Tinian, Northern Marianas	250	280	49W

0130-0230	Daily	Voice of America	Burmese	7305	Udon Thani, Thailand	250	276	49W
				15110	Tinang, Philippines	250	270	49W
				17865	Tinang, Philippines	250	283	49W
0200-0300	Daily	Radio Free Asia	Burmese	15250	Paochung, Taiwan	250	205	49W
0230-0330	Daily	Voice of America	Burmese	5875	Udon Thani, Thailand	250	280	49W
				15285	Tinang, Philippines	250	283	49W
				15700	Tinang, Philippines	250	283	49W
0700-0800	Daily	Radio Free Asia	Burmese	15110	Saipan, Northern Marianas	100	285	49W
				17690	Tinian, Northern Marianas	250	289	49W
1130-1200	Mon-Fri	Radio Free Asia	Rohingya	9350	Udon Thani, Thailand	250	304	49W
				11700	Tinang, Philippines	250	283	49W
				12030	Udon Thani, Thailand	250	300	49W
1200-1230	Daily	Voice of America	Burmese	11965	Tinang, Philippines	250	270	49W
				15565	Tinang, Philippines	250	270	49W
				17680	Tinang, Philippines	250	270	49W
1230-1330	Daily	Radio Free Asia	Burmese	7530	Dushanbe, Tajikistan	200	125	49W
				9370	Dushanbe, Tajikistan	200	125	49W
				15135	Dhabbaya, UAE	250	090	49W
1330-1400	Daily	Radio Free Asia	Burmese	7530	Tinian, Northern Marianas	250	289	49W
				12140	Tinian, Northern Marianas	250	289	49W
1330-1400	Daily	Radio Free Asia	Burmese	7530	Tinian, Northern Marianas	250	289	49W
1430-1530	Daily	Voice of America	Burmese	5885	Udon Thani, Thailand	250	280	49W
				9370	Tinang, Philippines	250	270	49W
				9380	Tinang, Philippines	250	270	49W
1530-1600	Daily	Voice of America	Burmese	5885	Udon Thani, Thailand	250	280	49W
				9370	Tinang, Philippines	250	270	49W
				9380	Tinang, Philippines	250	283	49W
1600-1630	Daily	Voice of America	Burmese	5885	Tinang, Philippines	250	275	49W
				9370	Tinang, Philippines	250	270	49W
				9380	Tinang, Philippines	250	283	49W
1630-1730	Daily	Radio Free Asia	Burmese	9380	Tinang, Philippines	250	270	49W
1730-1800	Daily	Radio Free Asia	Burmese	6150	Udon Thani, Thailand	250	300	49W

BBC Burmese

Target area: Burma & environs.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
1330-1400	Daily	Burmese	7465	Kranji, Singapore	250	340	49NW
			9585	Kranji, Singapore	125	340	49NW
			15325	Tinang, Philippines	250	283	49NW
1330-1430	Daily	Burmese	11620	Kranji, Singapore	100	340	49NW - DRM

The scheduled BBC Burmese programme at 0000-0030 UTC on 9560, 12025 and 15310 kHz is currently replaced by BBC World Service in English.

NHK World Japan

Target area: Burma & environs.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
0030-0100	Daily	Burmese	13600	Yamata, Japan	300	235	49W
0245-0305	Sat	Burmese	5985	Yangon, Myanmar	50	ND	
0920-0935	Wed	Burmese	5985	Yangon, Myanmar	50	ND	
1430-1500	Daily	Burmese	11815	Yamata, Japan	300	240	49W

Radio NUG, Voice of the National Unity Government of Myanmar

Various tests were conducted from May 2021 directed to Myanmar, with broadcasts under the name of the Radio NUG commencing in August 2021. The schedule below is believed to be in use at the time of editing.

Target area: Burma & environs.

Time/UTC	Days	Languages	kHz	Transmitter site	kW	Az.	CIRAF
0200-0230	Daily	Burmese	17790	Paochung, Taiwan	250	205	49NW
1400-1430	Daily	Burmese	11940	Paochung, Taiwan	250	205	49NW



Mizzima Radio

Ivo Ivanov in his Bulgarian SW blog reported a new station to Myanmar on 9 December 2021 and Rob Wagner identified it as Mizzima Radio on 11 January 2022:

Target area: Burma & environs.

Time/UTC	Days	Languages	kHz	Transmitter site	kW	Az.	CIRAF
1200-1300	Daily	Burmese	17730	Dhabbaya, UAE	250	090	49NW

Nepal

Radio Nepal

Radio Nepal is the state-owned radio broadcasting service of Nepal. The shortwave transmitter that last operated on Radio Nepal's longstanding frequency of 5005 kHz has been decommissioned. It was last reported in early 2019.

New Zealand

International broadcasts on shortwave

RNZ Pacific

RNZ Pacific (formerly Radio New Zealand International or RNZI) is a division of Radio New Zealand and the official international broadcasting station of New Zealand. It broadcasts a variety of news, current affairs and sport. The station's mission statement requires it to promote and reflect New Zealand in the Pacific and better relations with Pacific countries.

Transmitter site: Rangitaiki - 1 x 100 kW (operating at 50 or 100 kW); 35 kW DRM.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target (as per RNZ Pacific)
0000-0558	Daily	English	15720	50	035	61S,62,63W	Pacific
0559-0758	Daily	English	11725	50	035	61S,62,63W	Pacific
0759-1058	Mon-Fri	English	9700	50	035	61S,62,63W	Pacific
1059-1258	Mon-Fri	English	9700	50	035	51,56,64S,65S	NW Pacific, PNG
1059-1358	Sat/Sun	English	9700	50	035	61S,62,63W	Pacific
1259-1650	Daily	English	5980	50	035	61S,62,63W	Pacific
1651-1735	Sun-Fri	English	7285	35	036	61S,62,63W	Tonga Niue Samoa Cook Islands (DRM)
1651-1858	Sat	English	5980	50	035	61S,62,63W	Pacific
1736-1850	Sun-Fri	English	9760	35	035	61S,62,63W	Tonga Niue Samoa Cook Islands (DRM)
1851-1950	Sun-Fri	English	11690	35	035	61S,62,63W	Tonga Niue Samoa Cook Islands (DRM)
1859-1958	Sat	English	11725	50	035	61S,62,63W	Pacific
1951-2058	Sun-Fri	English	13840	35	035	61S,62,63W	Tonga Niue Samoa Cook Islands (DRM)
1959-2058	Sat	English	15720	50	035	61S,62,63W	Pacific
2059-0000	Daily	English	15720	50	035	61S,62,63W	Pacific

Northern Mariana Islands

International broadcasts on shortwave

USAGM Northern Marianas "Robert E Kamosa" Transmitting Station

The USAGM REKTS consists of two sites and Saipan and Tinian, relaying VOA and Radio Free Asia to Asia.

Saipan: 3 x 100 kW transmitters.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area
0030-0130	Daily	Radio Free Asia	Burmese	15110	100	270	49W	South-East Asia
0200-0300	Daily	Radio Free Asia	Tibetan	15110	100	300	42,43W	East Asia
0300-0500	Daily	Radio Free Asia	Chinese	11895	100	300	43,44	East Asia
				17690	100	310	42-44	East Asia
0500-0600	Daily	Radio Free Asia	Chinese	11895	100	300	43,44	East Asia
0600-0700	Daily	Radio Free Asia	Chinese	11895	100	300	43,44	East Asia
				13790	100	310	43,44	East Asia
0700-0800	Daily	Radio Free Asia	Burmese	15110	100	285	49W	South-East Asia
1300-1400	Daily	Radio Free Asia	Tibetan	17860	100	300	42,43W	East Asia
1400-1500	Mon/Wed/Fri	Radio Free Asia	Cantonese	13755	100	310	44S	East Asia
1400-1500	Tue/Thu	Radio Free Asia	Cantonese	13795	100	310	44S	East Asia
1400-1500	Sat/Sun	Radio Free Asia	Cantonese	13575	100	310	44S	East Asia
1430-1500	Daily	Radio Free Asia	Khmer	9355	100	270	49E	South-East Asia
1500-1600	Daily	Radio Free Asia	Chinese	11675	100	300	43,44	East Asia
1500-1700	Daily	Radio Free Asia	Korean	9910	100	325	44NE	East Asia
				11985	100	325	44NE	East Asia
1600-1700	Daily	Radio Free Asia	Chinese	13570	100	300	43,44	East Asia
1700-1900	Daily	Radio Free Asia	Chinese	9970	100	300	43,44	East Asia
1700-1900	Daily	Radio Free Asia	Korean	9990	100	325	44NE	East Asia
				11985	100	325	44NE	East Asia
1900-2000	Daily	Radio Free Asia	Chinese	9720	100	325	43,44	East Asia
2000-2100	Daily	Radio Free Asia	Chinese	9535	100	325	43,44	East Asia
2100-2200	Daily	Radio Free Asia	Korean	11945	100	325	44NE	East Asia
2230-2330	Daily	Radio Free Asia	Khmer	13715	100	270	49E	South-East Asia
2300-0000	Daily	Radio Free Asia	Chinese	15555	100	310	43,44	East Asia

Tinian: 2 x 250 kW & 6 x 500 kW transmitters (operating at 250 kW).

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area
0000-0100	Daily	Radio Free Asia	Lao	15210	250	280	49E	South-East Asia
0030-0130	Daily	Radio Free Asia	Burmese	12140	250	289	49W	South-East Asia
				15700	250	289	49W	South-East Asia
0100-0300	Daily	Radio Free Asia	Tibetan	17670	250	297	42,43W	East Asia
0300-0400	Daily	Radio Free Asia	Chinese	11570	250	297	42-44	East Asia
0400-0500	Daily	Radio Free Asia	Chinese	21505	250	304	43,44	East Asia
0500-0600	Daily	Radio Free Asia	Chinese	21690	250	304	43,44	East Asia
0600-0700	Daily	Radio Free Asia	Chinese	17810	250	304	43,44	East Asia
0600-0700	Daily	Radio Free Asia	Tibetan	21690	250	297	42,43W	East Asia
0700-0800	Daily	Radio Free Asia	Burmese	17690	250	280	49W	East Asia
1000-1100	Mon	Radio Free Asia	Tibetan	15330	250	297	42,43W	East Asia
				21465	250	296	42,43W	East Asia
1000-1100	Tue	Radio Free Asia	Tibetan	15330	250	297	42,43W	East Asia
				21455	250	296	42,43W	East Asia
1000-1100	Wed	Radio Free Asia	Tibetan	15330	250	297	42,43W	East Asia
				21540	250	296	42,43W	East Asia
1000-1100	Thu	Radio Free Asia	Tibetan	15330	250	297	42,43W	East Asia
				21565	250	296	42,43W	East Asia
1000-1100	Fri	Radio Free Asia	Tibetan	15330	250	297	42,43W	East Asia
				21520	250	296	42,43W	East Asia
1000-1100	Sat	Radio Free Asia	Tibetan	15330	250	297	42,43W	East Asia
				21475	250	296	42,43W	East Asia
1000-1100	Sun	Radio Free Asia	Tibetan	15330	250	297	42,43W	East Asia
				21505	250	296	42,43W	East Asia
1100-1200	Daily	Radio Free Asia	Lao	15195	250	280	49E	South-East Asia
1100-1200	Daily	Radio Free Asia	Tibetan	17640	250	297	42,43W	East Asia
1230-1250	Daily	Vatican Radio	Russian	9810	250	349	32,33W	Eastern Russia
1230-1330	Daily	Radio Free Asia	Khmer	9960	250	289	49E	South-East Asia
				12140	250	280	49E	South-East Asia
1330-1400	Daily	Radio Free Asia	Burmese	7530	250	289	49W	South-East Asia
				12140	250	289	49W	South-East Asia
1430-1500	Daily	Radio Free Asia	Cambodian	12140	250	280	49E	South-East Asia
1500-1600	Mon/Wed/Fri	Radio Free Asia	Tibetan	13790	250	206	42,43W	East Asia
1500-1600	Tu/Th/Sa/Su	Radio Free Asia	Tibetan	13720	250	296	42,43W	East Asia
1500-1700	Daily	Radio Free Asia	Korean	9990	250	329	44NE	East Asia
1600-1700	Daily	Radio Free Asia	Chinese	11610	250	304	43,44	East Asia
1600-1700	Daily	Radio Free Asia	Uighur	11675	250	305	43,44	East Asia
2000-2100	Daily	Radio Free Asia	Chinese	6080	250	297	43,44	East Asia
2100-2200	Daily	Radio Free Asia	Korean	9540	250	329	44NE	East Asia
				11985	250	329	44NE	East Asia
2230-2330	Daily	Radio Free Asia	Cambodian	12140	250	280	49E	South-East Asia
2300-0000	Daily	Radio Free Asia	Tibetan	11700	250	297	42,43W	East Asia

Pakistan

Radio Pakistan

Radio Pakistan shortwave transmissions are currently suspended. The Ministry of Information and Broadcasting website currently says: "World and External services broadcasts programs for six hours daily in six foreign languages and designed to cover Asia. These languages are Persian, Dari, Bangla, Chinese, Pashto (Afghani), Hindi, Hazargi. Presently these programmes are streamed only and also available on the Mobile App. World Service broadcasts programs for 8 hours in Urdu language for Overseas Pakistanis in Middle East and Europe".

Azad Kashmir Radio

The Pakistan Broadcasting Corporation broadcasts a dedicated Kashmir-focused service from three stations, including the Trarkhal Programme which broadcasts on shortwave.

Transmitter site: Islamabad, Pakistan.

Target area: Azad Kashmir - domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.
0900-0945	Daily	Urdu/Kashmiri	7265	100	ND

Wolfgang Bueschel reported on 4 October 2021: Surprisingly after a very long break time, I heard Azad Kashmir Radio Urdu/Kashmiri language service on 7264.94 from Islamabad Rewat center today at 0905 UTC via the remote Perseus server in Delhi. S=7-8 fair signal, 100 kW and other details visible according WRTH 2021 on page 307. (posted by WB to BDXC iog); Presumed Azad Kashmir Radio observed on 5 October 2021 from 0900-0945 on 7265 kHz using online KiwiSDR at Multan, Pakistan. (monitoring by Tony Rogers)

Palau

Hope Radio

The shortwave station on the island of Palau was founded by George Otis Sr. of Highmark Ministries and later sold to LeSEA Broadcasting under the late Dr. Lester Sumrall's ministry. As of September 2020, Joe Perozich became the CEO of the station and established Hope Radio. Hope Radio broadcasts to South East Asia with a mission to preach the gospel in the most populated parts of the world.

Angel 3 - currently testing

Transmitter site: Medorm, Babeldaob Island - 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
1100-1200	irregular tests	English	9930	100	318	43,44	East Asia

Paul Gager on the BDXC-UK iog said he had a message from Hope Radio on 16 December 2021: "Thank you for contacting us about our test broadcast. We are going to be testing the frequency again tomorrow (December 17th) from 1100-1200 UTC and then this initial test will be done. We do plan to run future tests, but we don't have times set for those yet. Please feel free to pass along the information. We appreciate feedback on signal strength in different locations."

Angel 4 "Reaching South China, Laos, Myanmar, Nepal, Indonesia, Philippines, Bhutan, Vietnam, Cambodia, Thailand, India, Malaysia, and Bangladesh"

Transmitter site: Medorm, Babeldaob Island - 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
0110-0305	Sun	English	15680	100	270	41,49,50,54	South & South-East Asia
0810-0920	Sun	English	15680	100	270	41,49,50,54	South & South-East Asia
0840-1005	Sat	English	15680	100	270	41,49,50,54	South & South-East Asia

Angel 5 "Reaching East China, Philippines, South Korea, Japan and North Korea"

Transmitter site: Medorm, Babeldaob Island - 100 kW.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
0807-0835	Mon-Fri	English	9965	100	345	43-45	East Asia
0810-1250	Sun	English	9965	100	345	43-45	East Asia
0840-1005	Sat	English	9965	100	345	43-45	East Asia



Papua New Guinea

National Broadcasting Corporation

NBC is Papua New Guinea's state owned broadcaster. Its head office is in Boroko, Port Moresby, and has approximately 20 locations around the country.

NBC Madang

Madang (old German name: Friedrich-Wilhelmshafen) is the capital of Madang Province on the north coast of Papua New Guinea. It was first settled by the Germans in the 19th century. NBC Madang on 3260 kHz (4 kW) is currently inactive.

NBC Bougainville

Bougainville, officially the Autonomous Region of Bougainville, is an autonomous region in Papua New Guinea. The largest island is Bougainville Island, while the region also includes Buka Island and a number of outlying islands and atolls. The interim capital is Buka, though it is expected that major government services and buildings will be moved to Arawa, following reconstruction. NBC Bougainville on 3325 kHz (5 kW) is currently inactive.

Wantok Radio Light

Wantok Radio Light is a radio station operated by Papua New Guinea Christian Broadcasting Network, a non-profit, non-commercial Christian ministry. They broadcast on 93.9 FM in Port Moresby, 105.9 FM in other provinces and on shortwave 7325 kHz (1 kW) throughout PNG and overseas, although the latter has been reported off-air recently due to a transmitter problem.

Checking for any activity on 3260 & 3325 kHz (both NBC) and 7325 kHz (WRL), but all found totally silent at 0940 UTC, 28 January 2022. (Ron Howard, Asilomar State Beach CA, 28 January 2022, WOR iog)

Philippines

International broadcasts on shortwave

Radyo Pilipinas Overseas (DZRP)

Radyo Pilipinas Overseas (callsign DZRP) is the overseas broadcast of the Philippine Broadcasting Service (PBS). Radyo Pilipinas is broadcast through the facilities of the International Broadcasting Bureau - Voice of America. The programmes being aired over DZRP are produced by PBS staff dedicated in serving the needs of overseas Filipino workers and Filipinos all over the globe.

Transmitter site: USAGM Transmitting Station, Tinang, Central Luzon, Philippines.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0200-0330	Daily	English	12010	Tinang, Philippines	250	283	39,40	Middle East
			15640	Tinang, Philippines	250	270	39,40	Middle East
			17820	Tinang, Philippines	250	315	39,40	Middle East
1730-1930	Daily	Filipino	9960	Tinang, Philippines	250	283	39,40	Middle East
			12120	Tinang, Philippines	250	283	39,40	Middle East
			15190	Tinang, Philippines	250	283	39,40	Middle East

FEBC Philippines

Far East Broadcasting Company is an international Christian radio network.

Transmitter sites: Bocaue, Bulacan Province - 5 x 100 kW; Iba, Zambales Province - 3 x 100 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0015	Daily	Khmu	9795	Iba	100	270	49	South-East Asia
0000-0045	Daily	Shan	15435	Bocaue	100	305	49,43S	South-East Asia
0015-0045	Daily	Lahu	12055	Bocaue	100	305	43S,44S,49	South-East Asia
0030-0045	Daily	Chin (Mro)	15450	Bocaue	100	293	41NE,49	South-East Asia
0045-0100	Daily	Jingpho	15450	Bocaue	100	293	41NE,49	South-East Asia
0045-0100	Daily	Tai (Nua)	15435	Bocaue	100	305	49,43S	South-East Asia
0045-0100	Daily	Wa	12055	Bocaue	100	305	43S,44S,49	South-East Asia
0100-0130	Daily	Javanese	15560	Bocaue	100	200	49S,50S,51W,54	South-East Asia
0900-0930	Daily	Tibetan	15450	Bocaue	100	305	42S,43S,49N	Tibet & environs
0900-0930	Daily	Makasar	15580	Bocaue	100	185	54	South-East Asia
0930-1000	Daily	Minangkabu	15420	Bocaue	100	245	49S,54W	South-East Asia
0930-1000	Daily	Mongolian	15450	Iba	100	330	43S,44S	East Asia
0930-1000	Daily	Bugis	15580	Bocaue	100	215	54	South-East Asia
1000-1030	Daily	Hui	9400	Iba	100	330	42-44	East Asia
1000-1030	Daily	Sunda	15580	Iba	100	330	43S,44S	East Asia
1000-1600	Daily	Chinese	9275	Bocaue	100	345	42-44	East Asia
1030-1100	Daily	Cantonese	9400	Iba	100	330	42-44	East Asia
1030-1100	Daily	Lu	12095	Bocaue	100	293	43S,44S,49	South-East Asia
1030-1100	Mon-Fri	Iu Mien	13870	Bocaue	100	280	49	South-East Asia
1030-1100	Daily	Sasak	15580	Iba	100	330	43S,44S	East Asia
1100-1130	Daily	Hmong	12095	Bocaue	100	305	43S,44S,49	South-East Asia
1100-1200	Daily	Vietnamese	9795	Iba	100	270	43S,44S,49	South-East Asia
1100-1300	Daily	Khmer	13870	Bocaue	100	280	49	South-East Asia
1100-1400	Daily	Chinese	9400	Iba	100	330	42-44	East Asia
1115-1145	Daily	Mon	15330	Bocaue	100	278	49	South-East Asia
1130-1200	Daily	Lao	12095	Bocaue	100	305	43S,44S,49	South-East Asia
1145-1200	Daily	Karen	15330	Bocaue	100	278	49	South-East Asia
1200-1215	Daily	Rawang	12120	Bocaue	100	293	49	South-East Asia
1200-1230	Sun-Wed	Rade	9920	Iba	100	270	49	South-East Asia
1200-1230	Thu-Sat	Jarai	9920	Iba	100	270	49	South-East Asia
1200-1230	Daily	Iu Mien	12095	Bocaue	100	305	43S,44S,49	South-East Asia
1215-1245	Daily	Akha	12120	Bocaue	100	293	49	South-East Asia
1230-1245	Daily	Achang	12095	Bocaue	100	305	43S,44S,49	South-East Asia
1230-1245	Daily	Naga	12120	Bocaue	100	293	49	South-East Asia
1230-1300	Tu/Th/Sa/Su	Hre	9920	Iba	100	270	49	South-East Asia
1230-1300	Mon/Wed/Fri	Bahnar	9920	Iba	100	270	49	South-East Asia
1245-1300	Daily	Tai (Dam)	12095	Bocaue	100	305	43S,44S,49	South-East Asia
1245-1300	Daily	Chin (Daai)	12120	Bocaue	100	293	49	South-East Asia
1300-1330	Daily	Hui	11600	Bocaue	100	305	42S,43,49N	South Asia
1300-1330	Daily	Hmong	12095	Bocaue	100	280	43S,44S,49	South-East Asia
1300-1330	Daily	Koho	9920	Iba	100	270	49	South-East Asia
1300-1330	Daily	Lisu	12120	Bocaue	100	293	49	South-East Asia
1330-1400	Daily	Yunnan	11600	Bocaue	100	305	42S,43,49N	South Asia
1330-1400	Daily	Khmu	12095	Bocaue	100	280	43S,44S,49	South-East Asia
1330-1400	Daily	Burmese	12120	Bocaue	100	293	49	South-East Asia

1400-1430	Daily	Javanese	15620	Bocau	100	200	49S,50S,51W,54	South-East Asia
1400-1430	Daily	Lahu	11750	Bocau	100	305	43S,49	South-East Asia
1400-1600	Daily	Chinese	9345	Iba	100	330	42-44	East Asia
1430-1500	Daily	Uighur	9940	Bocau	100	323	30,42	East Asia
1500-1600	Daily	Russian	9920	Bocau	100	323	20-22,29E,30-32	Russia
1500-1530	Daily	Russian	9920	Bocau	100	323	20-22,29E,30-32	Russia
1530-1600	Mon-Sat	Russian	9920	Bocau	100	323	20-22,29E,30-32	Russia
1530-1600	Sun	Ukrainian	9920	Bocau	100	323	20-22,29E,30-32	Russia
2230-0030	Daily	Chinese	9405	Bocau	100	345	42-44	East Asia
2300-2330	Daily	Hmong	12095	Bocau	100	293	43S,49	South-East Asia
2300-2330	Daily	Iu Mien	9875	Bocau	100	280	49	South-East Asia
2300-2330	Daily	Mon	9795	Iba	100	270	43S,44S,49	South-East Asia
2300-0100	Daily	Chinese	12070	Iba	100	330	42-44	East Asia
2330-0000	Daily	Lao	9795	Iba	100	270	43S,44S,49	South-East Asia
2330-0000	Mon-Fri	Iu Mien	9875	Bocau	100	280	49	South-East Asia
2330-0030	Daily	Burmese	15450	Bocau	100	293	41NE	South-East Asia
2330-2345	Daily	Palaung	12055	Bocau	100	305	43S,44S,49	South-East Asia
2345-0015	Daily	Lu	12055	Bocau	100	305	43S,44S,49	South-East Asia

USAGM Philippines Transmitting Station

The USAGM Philippines Transmitting Station is located on the island of Luzon at Tinang, in Tarlac Province.

Transmitter site: Tinang - 9 x 250 kW.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Target area
0000-0030	Daily	Voice of America	Burmese	12110	250	270	49W	South-East Asia
0000-0030	Daily	BBC	English	15310	250	283	49NW	South-East Asia
0000-0100	Daily	Voice of America	Chinese	9600	250	332	42-44	East Asia
				15340	250	332	42-44	East Asia
				17560	250	349	43,44	East Asia
0130-0230	Daily	Voice of America	Burmese	15110	250	283	49W	South-East Asia
				17865	250	283	49W	South-East Asia
0200-0330	Daily	Radio Pilipinas	English	12010	250	283	39,40	Middle East
				15640	250	270	39,40	Middle East
				17820	250	270	39,40	Middle East
0230-0330	Daily	Voice of America	Burmese	15285	250	283	49	South-East Asia
				15700	250	283	49	South-East Asia
0300-0400	Mon	Voice of America	Tibetan	17735	250	315	42,43W	Tibet & environs
				21600	250	315	42,43W	Tibet & environs
0300-0400	Tue	Voice of America	Tibetan	17735	250	315	42,43W	Tibet & environs
				21610	250	315	42,43W	Tibet & environs
0300-0400	Wed	Voice of America	Tibetan	17735	250	315	42,43W	Tibet & environs
				21630	250	315	42,43W	Tibet & environs
0300-0400	Thu	Voice of America	Tibetan	17735	250	315	42,43W	Tibet & environs
				21620	250	315	42,43W	Tibet & environs
0300-0400	Fri	Voice of America	Tibetan	17735	250	315	42,43W	Tibet & environs
				21640	250	315	42,43W	Tibet & environs
0300-0400	Sat	Voice of America	Tibetan	17735	250	315	42,43W	Tibet & environs
				21680	250	315	42,43W	Tibet & environs
0300-0400	Sun	Voice of America	Tibetan	17735	250	315	42,43W	Tibet & environs
				21650	250	315	42,43W	Tibet & environs
0400-0500	M/W/F	Voice of America	Tibetan	17785	250	315	42,43W	Tibet & environs
0400-0500	Tue/Thu	Voice of America	Tibetan	17865	250	315	42,43W	Tibet & environs
0400-0500	Sat/Sun	Voice of America	Tibetan	17650	250	315	42,43W	Tibet & environs
0500-0600	Mon	Voice of America	Tibetan	21620	250	315	42,43W	Tibet & environs
0500-0600	Tue	Voice of America	Tibetan	21610	250	315	42,43W	Tibet & environs
0500-0600	Wed	Voice of America	Tibetan	21640	250	315	42,43W	Tibet & environs
0500-0600	Thu	Voice of America	Tibetan	21650	250	315	42,43W	Tibet & environs
0500-0600	Fri	Voice of America	Tibetan	21580	250	315	42,43W	Tibet & environs
0500-0600	Sat	Voice of America	Tibetan	21600	250	315	42,43W	Tibet & environs
0500-0600	Sun	Voice of America	Tibetan	21630	250	315	42,43W	Tibet & environs
0900-1100	Daily	Voice of America	Chinese	11825	250	332	43,44	East Asia
				21695	250	349	43,44	East Asia
1100-1200	Daily	Voice of America	Chinese	9460	250	315	43,44	East Asia
				11785	250	349	43,44	East Asia
				11825	250	332	43,44	East Asia
				15250	250	315	42-44	East Asia
1130-1200	Mon-Fri	Voice of America	Rohingya	11700	250	283	49W	South-East Asia
1130-1200	Sat/Sun	Voice of America	L. English	11700	250	283	49W	South-East Asia

1200-1300	Daily	Voice of America	Chinese	11785	250	349	43,44	East Asia
				15250	250	315	42-44	East Asia
1200-1230	Daily	Voice of America	Burmese	11965	250	270	49W	South-East Asia
				15565	250	283	49W	South-East Asia
				17680	250	315	49W	South-East Asia
1200-1300	Daily	Voice of America	Korean	9350	250	021	44NE	East Asia
				12080	250	021	44NE	East Asia
1230-1250	Daily	Vatican Radio	Russian	11815	250	332	31,32	Russia
1230-1315	Sat	Vatican Radio	Chinese	6085	250	330	43,44	East Asia
				7485	250	332	33,44	East Asia
				9720	250	315	42,43	East Asia
1300-1400	Daily	Voice of America	Chinese	6115	250	332	44S	East Asia
				11785	250	349	43,44	East Asia
				15130	250	315	43,44	East Asia
1300-1400	Daily	Voice of America	Korean	9350	250	021	44NE	East Asia
				12080	250	021	44NE	East Asia
1330-1400	Daily	BBC	Burmese	15325	250	283	49NW	South-East Asia
1330-1430	Daily	Voice of America	Cambodian	9615	250	332	49W	South-East Asia
				11695	250	270	49W	South-East Asia
1400-1500	Daily	Voice of America	Cantonese	7480	250	332	44S	East Asia
1400-1500	Daily	Voice of America	Chinese	9465	250	349	43-44	East Asia
				11900	250	332	42-43	East Asia
				15110	250	315	43,44	East Asia
1400-1500	Daily	Voice of America	Korean	9410	250	021	44NE	East Asia
1430-1450	Daily	Vatican Radio	Hindi	7320	250	270	41	South Asia
				9595	250	283	41	South Asia
1430-1530	Daily	Voice of America	Burmese	5885	250	280	49W	South-East Asia
				9370	250	270	49W	South-East Asia
				9380	250	270	49W	South-East Asia
1450-1510	Daily	Vatican Radio	Tamil	7320	250	270	41	South Asia
				9595	250	283	41	South Asia
1510-1530	Daily	Vatican Radio	Malayalam	7320	250	270	41	South Asia
				9595	250	283	41	South Asia
1530-1600	Daily	Voice of America	Burmese	5885	250	280	49W	South-East Asia
				9370	250	270	49W	South-East Asia
				9380	250	283	49W	South-East Asia
1530-1380	Daily	BBC	Korean	15435	250	021	44NE	East Asia
1600-1630	Daily	Voice of America	Burmese	5885	250	275	49W	South-East Asia
				9370	250	270	49W	South-East Asia
				9380	250	283	49W	South-East Asia
1630-1730	Daily	Radio Free Asia	Burmese	9380	250	270	49W	South-East Asia
1730-1930	Daily	Radio Pilipinas	Filipino	9960	250	283	39,40	Middle East
				12120	250	283	39,40	Middle East
				15190	250	283	39,40	Middle East
1900-2100	Daily	Voice of America	Korean	7485	250	021	44NE	East Asia
2200-2230	Daily	Voice of America	Cambodian	5965	250	270	49E	South-East Asia
				7375	250	270	49E	South-East Asia
				9320	250	270	49E	South-East Asia
2200-2230	Daily	Vatican Radio	Chinese	6115	250	332	43,44	East Asia
2200-2300	Daily	BBC	English	7445	250	200	51W,54	South-East Asia
2300-0000	Daily	BBC	English	11825	250	200	51W,54	South-East Asia
2315-0000	Daily	Vatican Radio	Vietnamese	9580	250	270	49E	South-East Asia
				11900	250	270	49E	South-East Asia
2330-0000	Daily	Voice of America	Burmese	12110	250	270	49W	South-East Asia

Russia (Far East)

Radio Purga (DRM transmissions)

Although not in the European-part of Russia, Radio Purga is an FM station based in Anadyr which broadcasts a variety of information and music for listeners in Chukotka, Far Eastern Russia. The relays on shortwave are in DRM mode.

Transmitter site: Komsomolsk-na-Amur - 20 kW DRM.

Target area: Chukotka, Far Eastern Russia.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Notes
2000-2200	Daily	Russian	6025	20	034	26	
2200-0100	Daily	Russian	11860	20	034	26	
0100-0600	Daily	Russian	9850	20	034	26	alternative 15325
0600-1000	Daily	Russian	6025	20	034	26	

Singapore

International broadcasts on shortwave

BBC Far Eastern Relay Station

The BBC Far Eastern Relay Station is located in the Kranji district of Singapore, on the west bank of Kranji Reservoir. The relay station has been in use since 1978.

Transmitter Site: Kranji - 4 x 100 kW & 5 x 250 kW (operating at 125 or 250 kW); **DRM 100 kW.**

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>	<i>Notes</i>
0000-0030	Daily	BBC	English	9560	125	340	49NW	South-East Asia	
				12025	250	340	49NW	South-East Asia	
0100-0200	Daily	BBC	English	15620	250	315	41,42SW	South Asia	
0759-0900	Daily	BBC	English	17720	100	315	41	South Asia	DRM
1000-1100	Daily	BBC	English	6195	125	000	49W	South-East Asia	
				6195	125	090	51W,54	South-East Asia	
				9410	125	013	43SE,44SW,49E	South-East Asia	
				9410	125	135	51W,54	South-East Asia	
				11695	250	090	51W,54	South-East Asia	
				11945	125	340	49W	South-East Asia	
1100-1200	Daily	BBC	English	6195	125	000	49W	South-East Asia	
				6195	125	090	51W,54	South-East Asia	
				9410	125	013	43SE,44SW,49E	South-East Asia	
				9410	125	135	51W,54	South-East Asia	
				11945	125	340	49W	South-East Asia	
1200-1300	Daily	BBC	English	15640	125	013	43E,44	East Asia	
1300-1400	Daily	BBC	English	11685	250	320	41,42SW	South Asia	
1330-1400	Daily	BBC	Burmese	7465	250	340	49NW	South-East Asia	
				9585	125	340	49NW	South-East Asia	
1330-1400	Daily	BBC	Bengali	9510	250	320	41NE	South Asia	
1330-1430	Daily	BBC	Burmese	11620	100	340	49NW	South-East Asia	DRM
1400-1500	Daily	BBC	Dari	11995	250	315	40E,41NW	Afghanistan	
1500-1600	Daily	BBC	Pashto	11995	250	315	40E,41NW	Afghanistan	
1500-1700	Daily	BBC	English	12025	250	315	30S,39NE,40	Near East	
1530-1830	Daily	BBC	Korean	12095	250	025	44NE	East Asia	
1600-1630	Daily	BBC	Dari	11995	250	315	40E,41NW	Afghanistan	
1630-1700	Daily	BBC	Bengali	9445	250	320	41NE	South Asia	
1630-1700	Mon-Fri	BBC	Pashto	11995	250	315	40E,41NW	Afghanistan	
1630-1700	Sat/Sun	BBC	Dari	11995	250	315	40E,41NW	Afghanistan	
1700-1800	Daily	BBC	Pashto	11735	250	315	40E,41NW	Afghanistan	
1700-1900	Daily	BBC	English	12025	250	315	30S,39NE,40	Near East	
1800-1900	Daily	BBC	Pashto	11735	250	315	40E,41NW	Afghanistan	
2200-0000	Daily	BBC	English	3915	250	160	43SE,44SW,49E	South-East Asia	
				6195	250	000	49W	South-East Asia	
				7465	125	013	43	South-East Asia	

Solomon Islands

Solomon Islands Broadcasting Corporation

Solomon Islands Broadcasting Corporation (SIBC) is the official radio broadcaster of Solomon Islands. SIBC is self-defined as a public service broadcaster "which facilitates educational programs, recording and promotion of local music, and the unity of diverse cultures in a scattered island nation".

Transmitter Site: Honiara - 10 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Notes</i>
1900-2200	Daily	Tok Pisin/English	5020	10	ND	51,56	
2200-0500	Daily	Tok Pisin/English	9545	10	ND	51,56	
0500-1200	Daily	Tok Pisin/English	5020	10	ND	51,56	may continue on 9545 rather than switch to 5020



Sri Lanka

International broadcasts on shortwave

Sri Lanka Broadcasting Corporation

Sri Lanka Broadcasting Corporation is the public broadcasting service of Sri Lanka. SLBC operates on shortwave are directed to South Asia and to the large expatriate community in the Middle East.

Transmitter Site: Trincomalee (trm) - 3 x 250 kW (operated at 125 kW).

<i>Time/UTC</i>	<i>Days</i>	<i>Service</i>	<i>Languages</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0030-0100	Daily	SLBC	Bengali/Hindi	11905	125	350	41	South Asia
0200-0230	Daily	SLBC	Hindi	11905	125	350	41	South Asia
1630-1830	Fri	City FM	Sinhala/Tamil/English/Hindi	11750	125	300	39,40	Middle East
1700-1800/1830	irregular	City FM	Sinhala	11750	125	300	39,40	Middle East

The following shortwave transmissions are currently off-air:

<i>Time/UTC</i>	<i>Languages</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
1115-1200	Hindi/Malayalam/Tamil/Telugu	9695	125	340	41	South Asia
1700-1800	Tamil (Thendral FM)	11835	125	300	39,40	Middle East



SLBC Shortwave Relay Station - Trincomalee

The Deutsche Welle Relay Station at Trincomalee was opened in 1984 and closed on 1 November 2011. Upon closure it was transferred to the Sri Lanka Broadcasting Corporation.

Transmitter Site: Trincomalee - 3 x 300 kW (operating at 125 or 250 kW)

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0030	Daily	AWR	Thai	9810	125	075	49E	South-East Asia
0000-0100	Daily	AWR	Chinese	11650	125	045	43N,44N	East Asia
0100-0130	Sun-Thu	AWR	Minnan	11925	125	045	43S,44S	East Asia
				15630	125	025	32S,33S,43N,44N	East Asia
0100-0130	Fri	AWR	Chinese	11925	125	045	43S,44S	East Asia
0100-0130	Fri/Sat	AWR	Chinese	15630	125	025	32S,33S,43N,44N	East Asia
0100-0200	Sat	AWR	Chinese	11925	125	045	43S,44S	East Asia
0130-0200	Sun-Fri	AWR	Cantonese	11925	125	060	43S,44S	East Asia
				15630	125	025	32S,33S,43N,44N	East Asia
0130-0200	Sat	AWR	Chinese	15630	125	025	32S,33S,43N,44N	East Asia
0230-0300	Daily	AWR	Dari	15410	125	345	40W	Afghanistan
0300-0330	Daily	AWR	Oromo	15420	125	270	48	Horn of Africa
0300-0330	Daily	AWR	Tigrinya	15515	125	285	48	Horn of Africa
0400-0430	Daily	AWR	Amharic	15520	125	270	48	Horn of Africa
1200-1230	Daily	AWR	Mon	15610	125	060	49	South-East Asia
1200-1230	Mon-Fri	AWR	Min (Nan)	15710	125	045	43S,44S	East Asia
1200-1230	Sat/Sun	AWR	Chinese	15710	125	045	43S,44S	East Asia
1230-1300	Daily	AWR	Manipuri	15430	125	025	41NE	South Asia
1230-1300	Sat-Thu	AWR	Cantonese	15710	125	045	43S,44S	East Asia
1230-1300	Fri	AWR	Chinese	15710	125	045	43S,44S	East Asia
1300-1330	Daily	AWR	Indonesian	11620	125	090	54NE	South-East Asia
1300-1330	Daily	AWR	Bengali	15430	125	015	41NE	South Asia
1330-1400	Daily	BBC	Bengali	9410	125	015	41NE	South Asia
1330-1400	Thu/Sat	AWR	Lao	9695	125	075	49E	South-East Asia
1330-1400	Sun-Wed/Fri	AWR	NE Thai	9695	125	075	49SE	South-East Asia
1400-1500	Daily	AWR	Chinese	11870	125	015	42,43W	East Asia
				15710	125	045	43S,44S	East Asia
1500-1530	Daily	AWR	Nepali	9740	125	015	41N	South Asia
1500-1600	Daily	AWR	Karen	15530	125	060	49NW	South-East Asia
1530-1600	Daily	AWR	Oriya	9470	125	015	41E	South Asia
1600-1630	Daily	AWR	Urdu	11955	125	345	41N	South Asia
1630-1700	Daily	AWR	Somali	15670	125	270	48	Horn of Africa

Taiwan

International broadcasts on shortwave

Radio Taiwan International

Radio Taiwan International is the international radio service of the Central Broadcasting System of the Republic of China, commonly known as Taiwan. It is a government-owned station that broadcasts in 13 languages around the world, with a majority emphasis on Mandarin and Taiwanese-language broadcasts over shortwave into China.

Note: Radio Taiwan International does not make registrations with the HFCC, so the schedule below has been compiled mainly with reference to the Nagoya DXers Circle (Shigenori Aoki's list) and Ivo Ivanov's Bulgarian DX blog.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>Target area</i>
0000-0100	Daily	Chinese	9490	Tamsui, Taiwan	100	352	East Asia
0000-0100	Daily	Thai	9745	Paochung, Taiwan	100	225	South-East Asia
0100-0130	Daily	Spanish	5800	WRMI Okeechobee FL, USA	100	160	South America
0200-0230	Daily	Spanish	5010	WRMI Okeechobee FL, USA	100	181	Caribbean
0300-0400	Daily	English	15320	Paochung, Taiwan	100	225	South-East Asia
0400-0430	Daily	Cantonese	15320	Paochung, Taiwan	100	225	South-East Asia
0400-0600	Daily	Chinese	11840	Kouhu, Taiwan	100	225	East Asia
0430-0500	Daily	Hakka	15320	Paochung, Taiwan	100	225	South-East Asia
0700-0900	Daily	Chinese	11840	Kouhu, Taiwan	100	225	East Asia
0800-0900	Daily	Japanese	11745	Paochung, Taiwan	100	045	East Asia
0900-1000	Daily	Hakka	6105	Kouhu, Taiwan	100	267	East Asia
0900-1000	Daily	Amoy	9400	Paochung, Taiwan	100	205	East Asia
0900-1000	Daily	Amoy	12065	Paochung, Taiwan	100	225	South-East Asia
1000-1030	Daily	Cantonese	12065	Paochung, Taiwan	100	225	South-East Asia
			13825	Paochung, Taiwan	100	225	South-East Asia
1000-1100	Daily	Chinese	6105	Kouhu, Taiwan	100	267	East Asia
1000-1100	Daily	Chinese	6180	Tamsui, Taiwan	300	325	East Asia
			9555	Kouhu, Taiwan	100	267	South-East Asia
			9610	Paochung, Taiwan	300	002	East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
			9885	Kouhu, Taiwan	100	267	South-East Asia
			11840	Kouhu, Taiwan	100	225	South-East Asia
1000-1100	Daily	Indonesian	11915	Paochung, Taiwan	100	205	South-East Asia
1030-1100	Daily	Korean	9570	Tamsui, Taiwan	300	352	East Asia
1030-1100	Daily	Hakka	12065	Paochung, Taiwan	100	225	South-East Asia
			13825	Paochung, Taiwan	100	225	South-East Asia
1000-1100	Daily	Chinese	6105	Kouhu, Taiwan	100	267	South-East Asia
			6180	Tamsui, Taiwan	300	325	East Asia
			9555	Kouhu, Taiwan	100	267	South-East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
			9680	Tamsui, Taiwan	100	352	East Asia
			9885	Kouhu, Taiwan	100	267	South-East Asia
			11610	Paochung, Taiwan	300	230	South-East Asia
			11840	Kouhu, Taiwan	100	225	South-East Asia
1100-1200	Daily	Japanese	9740	Paochung, Taiwan	100	045	East Asia
1100-1200	Daily	Russian	9490	Paochung, Taiwan	300	002	Eastern Russia
1100-1200	Daily	Vietnamese	9425	Paochung, Taiwan	300	250	South-East Asia
1200-1230	Daily	Cantonese	6105	Kouhu, Taiwan	100	267	South-East Asia
			9735	Paochung, Taiwan	100	225	South-East Asia
1200-1300	Daily	Chinese	6180	Tamsui, Taiwan	300	325	East Asia
			7430	Kouhu, Taiwan	100	310	East Asia
			9555	Kouhu, Taiwan	100	267	South-East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
			9680	Tamsui, Taiwan	100	352	East Asia
			9885	Kouhu, Taiwan	100	267	South-East Asia
1200-1300	Daily	Indonesian	11915	Paochung, Taiwan	100	205	South-East Asia
1230-1300	Daily	Hakka	6105	Kouhu, Taiwan	100	267	South-East Asia
			9735	Paochung, Taiwan	100	225	South-East Asia
1300-1400	Daily	Chinese	6105	Kouhu, Taiwan	100	267	South-East Asia
			6180	Tamsui, Taiwan	300	325	East Asia
			7430	Kouhu, Taiwan	100	310	East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
			9680	Tamsui, Taiwan	100	352	East Asia
1300-1400	Daily	Thai	9525	Paochung, Taiwan	100	225	South-East Asia

1400-1500	Daily	Chinese	6075	Kouhu, Taiwan	100	310	East Asia
			6145	Kouhu, Taiwan	100	310	East Asia
			6180	Tamsui, Taiwan	300	325	East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
1400-1500	Daily	Thai	9415	Kouhu, Taiwan	100	245	South-East Asia
1400-1500	Daily	Vietnamese	9625	Paochung, Taiwan	250	250	South-East Asia
1400-1500	Daily	Indonesian	9735	Paochung, Taiwan	100	225	South-East Asia
1500-1530	Daily	Cantonese	9545	Paochung, Taiwan	250	205	South-East Asia
1500-1600	Daily	Chinese	6075	Kouhu, Taiwan	100	310	East Asia
			6145	Kouhu, Taiwan	100	310	East Asia
			6180	Tamsui, Taiwan	300	325	East Asia
			7300	Tamsui, Taiwan	100	352	East Asia
			9660	Kouhu, Taiwan	100	267	South-East Asia
1500-1600	Daily	Thai	9625	Paochung, Taiwan	100	225	South-East Asia
1530-1600	Daily	Hakka	9545	Paochung, Taiwan	250	205	South-East Asia
1600-1700	Daily	Chinese	6075	Kouhu, Taiwan	100	310	East Asia
			6145	Kouhu, Taiwan	100	310	East Asia
			7300	Tamsui, Taiwan	100	352	East Asia
1600-1700	Daily	English	9405	Tamsui, Taiwan	300	225	South Asia
1700-1730	Daily	Russian	5900	Kostinbrod, Bulgaria	50	030	Western Russia
1900-1930	Daily	German	5900	Kostinbrod, Bulgaria	100	306	Western Europe
1900-1930	Daily	French	6005	Kostinbrod, Bulgaria	100	306	Western Europe
1900-2000	Sun	French	13835	Issoudun, France	500	185	North-West Africa
2000-2030	Daily	Russian	6005	Kostinbrod, Bulgaria	50	030	Russia
2200-2230	Daily	Spanish	7730	WRMI Okceechobee FL, USA	100	315	West Coast of North America
2200-2230	Daily	Korean	9490	Tamsui, Taiwan	300	002	East Asia
2230-0030	Daily	Chinese	6075	Kouhu, Taiwan	100	310	East Asia
			6105	Kouhu, Taiwan	100	310	East Asia
			9900	Paochung, Taiwan	100	352	East Asia
2300-2330	Daily	Korean	11610	Paochung, Taiwan	300	045	East Asia
2300-0000	Daily	Vietnamese	9745	Paochung, Taiwan	100	205	South-East Asia

Note: Radio Taiwan International broadcasts to Mainland China may be jammed by a transmission of CNR-1 in Chinese or a continuous loop of Firedrake music.

Shortwave relays from Taiwan

Several international broadcasters and other organisations use transmitters in Taiwan for broadcasts to Asia.

Those stations being relayed for A22 are as follows:

Note: Foreign relays from Taiwan are not registered with the HFCC, so the schedule below has been compiled with reference to Nagoya DXers Circle (Aoki).

Transmitter Sites: Paochung - 4 x 100 kW & 6 x 300 kW; Tamsui - 4 x 300 kW

Time/UTC	Days	Station	Language	kHz	Tx site	kW	Az.	Target area
0030-0130	Daily	Radio Free Asia	Burmese	15250	Paochung	250	205	South-East Asia
0100-0200	Sat	AWR	Vietnamese	15445	Paochung	100	250	South-East Asia
0200-0230	Daily	Radio NUG	Burmese	17790	Paochung	250	205	South-East Asia
0200-0300	Daily	Radio Free Asia	Burmese	15250	Paochung	250	205	South-East Asia
1100-1300	Daily	National Unity Radio	Korean	6115	Tamsui	300	352	East Asia
1200-1300	Daily	Radio Free Asia	Korean	9580	Paochung	300	002	East Asia
1230-1300	Daily	Radio Daap Loi Song Nui	Vietnamese	9670	Paochung	100	250	South-East Asia
1300-1330	Daily	Nippon no Kaze	Korean	7295	Tamsui	300	352	East Asia
				9705	Paochung	300	002	East Asia
1300-1400	Daily	Radio Free Asia	Korean	9460	Paochung	300	002	East Asia
1300-1400	Sun	Radio France International	Vietnamese	9650	Paochung	100	250	South-East Asia
1330-1400	Daily	Furusato no Kaze	Japanese	7295	Tamsui	300	352	East Asia
				9705	Paochung	300	002	East Asia
1400-1430	Daily	Radio NUG	Burmese	11940	Paochung	250	205	South-East Asia
1430-1500	Daily	Furusato no Kaze	Japanese	7290	Tamsui	300	352	East Asia
				9560	Paochung	300	002	East Asia
1500-1530	Daily	Nippon no Kaze	Korean	7290	Tamsui	300	352	East Asia
				9800	Paochung	300	002	East Asia
1530-1600	Daily	Nippon no Kaze	Korean	7290	Paochung	300	002	East Asia
				9800	Tamsui	300	352	East Asia
1600-1630	Daily	Furusato no Kaze	Japanese	6045	Tamsui	300	352	East Asia
				9690	Paochung	300	002	East Asia
1630-1700	Daily	Nippon no Kaze	Korean	6155	Tamsui	300	352	East Asia
1700-1730	Daily	Furusato no Kaze	Japanese	6155	Tamsui	300	352	East Asia
2100-2200	Daily	National Unity Radio	Korean	5985	Tamsui	300	002	East Asia

Note: this schedule will be updated for the A22 season shortly.

Fu Hsing Broadcasting Station

Fu Hsing Broadcasting Station is a state-run radio station sponsored by Republic of China Armed Forces, located on the campus of Ming Chuan University in Taipei, Taiwan and is operated by the Ministry of National Defense.

Transmitter site: often reported as Kuanyin (10 kW) but WRTH says a visit to Kuanyin indicated this wasn't the site used.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>Target area</i>	<i>Notes</i>
0500-0900/1000	Daily	Chinese/Hakka	9410	Kuanyin?	10	ND	Mainland China	
			9774	Kuanyin?	10	ND	Mainland China	
			15375	Kuanyin?	10	ND	Mainland China	this freq currently off-air

Sound of Hope

Sound of Hope (SOH) is an international Chinese-language radio network. Along with New Tang Dynasty Television and The Epoch Times, it is part of a network of media organisations established by practitioners of the Falun Gong new religious movement. SOH serves the Chinese diaspora in US, Europe, Australia, Japan and South Korea on mediumwave and FM and broadcasts to China on an extensive number of out-of-band shortwave frequencies. Programmes are in Chinese and Cantonese, and also include relays of Radio Free Asia at times.

Transmitter sites: Pingtung and Miaoli, Taiwan (and possibly another) - all transmitters are low power - 1 kW or less.

Frequencies: See entry for China - "Target broadcasts to China" for a list of SOH's shortwave frequencies.

Tajikistan

Tajik Radio

Tajik Radio is part of the state-run Kimutai Televizion va Radioi (State Committee for TV and Radio Broadcasting).

Radioi Tojikiston (Tajik Radio 1)

Radio Tajikistan is the main radio channel of Tajik Radio.

Transmitter site: Yangiyo'l, near Dushanbe.

General target: Tajik domestic audience.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>
2300-0300	Daily	Tajik	4765	100	ND
0300-0330	Daily	Russian	4765	100	ND
0330-0900	Daily	Tajik	4765	100	ND
0900-0930	Daily	Russian	4765	100	ND
0930-1000	Daily	Uzbek	4765	100	ND
1000-2000	Daily	Tajik	4765	100	ND

Ovozi Tojik (Voice of Tajik)

Voice of Tajik is the external service of Tajik Radio.

Transmitter site: Orzu.

Target area: Foreign listeners in the areas surrounding Tajikistan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>
0200-0400	Daily	Tajik	7245	100	ND
0400-0600	Daily	Persian	7245	100	ND
0600-0800	Daily	Dari	7245	100	ND
0800-1000	Daily	Russian	7245	100	ND
1000-1100	Daily	Uzbek	7245	100	ND
1100-1200	Daily	Hindi	7245	100	ND
1200-1300	Daily	Arabic	7245	100	ND
1300-1400	Daily	English	7245	100	ND
1400-1600	Daily	Tajik	7245	100	ND
1600-1800	Daily	Persian	7245	100	ND

International broadcasts on shortwave

Teleradiokom

Teleradiokom is the operator of all transmitters in Tajikistan and hires airtime to international broadcasters.

Transmitter site: Yangiyo'l, near Dushanbe; Orzu, Khatlon Region

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0100-0200	Daily	Radio Free Asia	Uighur	9350	Orzu	200	060	42N,43N	Western China
0100-0200	Daily	Radio Free Asia	Tibetan	9370	Orzu	250	110	42,43W	Tibet & environs
				9705	Orzu	200	110	42,43W	ibet & environs
0200-0300	Daily	AWR	English	15515	Orzu	100	125	41NE	South Asia
0600-0700	Daily	Radio Free Asia	Tibetan	15720	Orzu	200	117	42,43W	Tibet & environs
1100-1200	Daily	Radio Free Asia	Tibetan	13580	Orzu	200	125	42,43W	Tibet & environs
				15470	Orzu	200	110	42,43W	Tibet & environs
1200-1300	Daily	AWR	Korean	15505	Orzu	100	065	44NE,45NW	East Asia

1200-1300	Daily	Radio Free Asia	Tibetan	13580	Orzu	200	125	42,43W	Tibet & environs
				15470	Orzu	200	110	42,43W	Tibet & environs
				17690	Orzu	250	110	42,43W	Tibet & environs
1230-1330	Daily	Radio Free Asia	Burmese	7530	Orzu	200	125	49W	South-East Asia
				9370	Orzu	200	125	49W	South-East Asia
1300-1300	Daily	AWR	Nepali	15255	Orzu	100	125	41NE	South Asia
1300-1400	Daily	Voice of Tibet	Tibetan	9876*	Yangiyul	100	131	42,43W	Tibet & environs
1300-1400	Daily	Radio Free Asia	Tibetan	13835	Orzu	200	125	42,43W	Tibet & environs
				15275	Orzu	250	110	42,43W	Tibet & environs
1300-1400	Daily	Radio Free Asia	Tibetan	15470	Orzu	200	110	42,43W	Tibet & environs
1300-1500	Daily	Overcomer Min.	English	9290	Orzu	250	072	44NE	East Asia
1330-1400	Daily	AWR	Thai	15440	Orzu	100	125	49E	South-East Asia
1330-1400	Daily	AWR	Dawan	17725	Orzu	100	125	54SE	South-East Asia
1400-1430	Daily	AWR	English	15515	Orzu	100	125	41NE	South Asia
1500-1600	Daily	Radio Free Asia	Chinese	13810	Orzu	250	095	43,44	East Asia
1500-1600	Daily	Radio Free Asia	Tibetan	9355	Orzu	200	125	42,43W	Tibet & environs
1530-1830	Daily	BBC	Korean	9390	Yangiyul	250	072	44NE	East Asia
1600-1700	Daily	Radio Free Asia	Chinese	7540	Orzu	200	087	42-44	East Asia
				13810	Orzu	250	095	43,44	East Asia
1600-1700	Daily	Radio Free Asia	Uighur	9355	Orzu	200	060	42N,43N	Western China
2300-0000	Daily	Radio Free Asia	Tibetan	9555	Orzu	200	110	42,43W	Tibet & environs
2300-0000	Daily	Voice of Tibet	Tibetan	9476*	Yangiyul	100	131	42,43W	Tibet & environs

Note: * Voice of Tibet at 1300-1400 switches between 9876 & 9899 kHz and at 2300-0000 switches between 9476 & 9499

Thailand

Radio Thailand World Service (HSK9)

Radio Thailand World Service is the official international broadcasting station of Thailand. Owned by the National Broadcasting Services of Thailand, The station broadcasts in 10 languages. RTWS is broadcast on shortwave using the transmitters of the USAGM in Ban Dung District, Udon Thani.

Transmitter site: Udon Thani, Ban Dung, Thailand.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0030	Daily	English	15590	250	006	7,8	North America
0030-0100	Daily	Thai	15590	250	038	6,7	North America
0200-0230	Daily	English	15590	250	006	7,8	North America
0500-0530	Daily	English	17640	250	006	7,8	North America
1000-1030	Daily	Thai	17850	250	305	39,40	Middle East
1200-1230	Daily	English	9390	250	154	54	South-East Asia
1230-1245	Daily	Vietnamese	9390	250	132	49	South-East Asia
1245-1300	Daily	Chinese	9390	250	030	49-51,54-55,58-60	South-East Asia
1300-1315	Daily	Japanese	9390	250	054	45	East Asia
1315-1330	Daily	Malaysian	9390	250	154	54	South-East Asia
1330-1415	Daily	Thai	9390	250	154	54	South-East Asia
1800-1830	Daily	Thai	9920	250	316	27-28	Europe
1830-1930	Daily	English	9920	250	316	27-28	Europe
1930-1945	Daily	Thai	9920	250	316	27-28	Europe

USAGM Thailand Transmitting Station

The transmitter station at Udon Thani is owned and operated by the USAGM. In addition to relays of the Voice of America, RFE/RL and Radio Farda, transmitters are also used by Radio Thailand World Service (as above).

Transmitter Site: Udon Thani, Ban Dung - 7 x 500 kW (operating at 250 kW).

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0030	Daily	Voice of America	Burmese	5875	250	280	49W	South-East Asia
				7410	250	276	49W	South-East Asia
0000-0100	Daily	Voice of America	Chinese	11660	250	030	43,44	East Asia
0000-0100	Mon	Voice of America	Tibetan	7480	250	311	42,43W	Tibet & environs
				13670	250	324	42,43W	Tibet & environs
0000-0100	Tue	Voice of America	Tibetan	7480	250	311	42,43W	Tibet & environs
				13630	250	324	42,43W	Tibet & environs
0000-0100	Wed	Voice of America	Tibetan	7480	250	311	42,43W	Tibet & environs
				13640	250	324	42,43W	Tibet & environs
0000-0100	Thu	Voice of America	Tibetan	7480	250	311	42,43W	Tibet & environs
				13760	250	324	42,43W	Tibet & environs
0000-0100	Fri	Voice of America	Tibetan	7480	250	311	42,43W	Tibet & environs
				13805	250	324	42,43W	Tibet & environs

0000-0100	Sat	Voice of America	Tibetan	7480	250	311	42,43W	Tibet & environs
				13690	250	324	42,43W	Tibet & environs
0000-0100	Sun	Voice of America	Tibetan	7480	250	311	42,43W	Tibet & environs
				13810	250	324	42,43W	Tibet & environs
0030-0100	Daily	VOA Radio Ashna	Pashto	7480	250	300	40E,41NW	Afghanistan
0100-0130	Daily	VOA Radio Ashna	Dari	9480	250	300	40E,41NW	Afghanistan
0100-0400	Daily	VOA Deewa Radio	Pashto	12035	250	305	40E,41NW	Afghanistan
				13745	250	304	40E,41NW	Afghanistan
0130-0200	Pashto	VOA Radio Ashna	Pashto	9480	250	300	40E,41NW	Afghanistan
0130-0230	Daily	Voice of America	Burmese	7305	250	276	49W	South-East Asia
0200-0230	Daily	VOA Radio Ashna	Dari	9480	250	300	40E,41NW	Afghanistan
0230-0300	Daily	Radio Azadi (RFE/RL)	Pashto	12070	250	300	40E,41NW	Afghanistan
0230-0330	Daily	Voice of America	Burmese	5875	250	280	49	South-East Asia
0230-0530	Daily	Radio Farda	Persian	13860	250	300	40	Iran
				15690	250	300	40	Iran
0300-0330	Daily	Radio Azadi (RFE/RL)	Dari	12070	250	300	40E,41NW	Afghanistan
0330-0400	Daily	Voice of America	Somali	15630	250	276	48	Horn of Africa
0330-0400	Daily	Radio Azadi (RFE/RL)	Pashto	17880	250	300	40E,41NW	Afghanistan
0400-0700	Daily	Mashaal Radio (RFE/RL)	Pashto	15750	250	304	40E,41NW	Afghanistan
0430-0530	Daily	Radio Azadi (RFE/RL)	Dari	17880	250	300	40E,41NW	Afghanistan
0400-0500	Daily	Voice of America	Tibetan	15150	250	316	42,43	Tibet & environs
				17615	250	313	42,43W	Tibet & environs
0500-0600	Daily	Voice of America	Tibetan	15560	250	316	42,43	Tibet & environs
0530-0630	Daily	Radio Azadi (RFE/RL)	Pashto	17880	250	300	40E,41NW	Afghanistan
0530-0930	Daily	Radio Farda	Persian	13860	250	300	40	Iran
0630-0730	Daily	Radio Azadi (RFE/RL)	Dari	17880	250	300	40E,41NW	Afghanistan
0730-0830	Daily	Radio Azadi (RFE/RL)	Pashto	17880	250	300	40E,41NW	Afghanistan
0830-0930	Daily	Radio Azadi (RFE/RL)	Dari	17880	250	300	40E,41NW	Afghanistan
0900-1100	Daily	Voice of America	Chinese	11785	250	006	43,44	East Asia
				13755	250	018	43,44	East Asia
				17485	250	030	43-44	East Asia
0930-1030	Daily	Radio Azadi (RFE/RL)	Pashto	17880	250	300	40E,41NW	Afghanistan
1000-1200	Daily	Mashaal Radio (RFE/RL)	Pashto	15365	250	300	40E,41NW	Afghanistan
1030-1130	Daily	Radio Azadi (RFE/RL)	Dari	17880	250	300	40E,41NW	Afghanistan
1100-1200	Daily	Voice of America	Chinese	7470	250	030	43-44	East Asia
1130-1200	Mon-Fri	Voice of America	Rohingya	9350	250	297	49W	South-East Asia
				12030	250	300	49W	South-East Asia
1130-1200	Sat/Sun	VOA Learning English	English	9350	250	297	49W	South-East Asia
				12030	250	300	49W	South-East Asia
1130-1230	Daily	Radio Azadi (RFE/RL)	Pashto	17880	250	300	40E,41NW	Afghanistan
1200-1300	Daily	Voice of America	Korean	9490	250	038	44NE	East Asia
1200-1300	Daily	Voice of America	Chinese	11825	250	006	43,44	East Asia
1200-1300	Daily	Mashaal Radio (RFE/RL)	Pashto	15365	250	300	40E,41NW	Afghanistan
				15750	250	304	40E,41NW	Afghanistan
1300-1400	Daily	Voice of America	Cantonese	7480	250	054	44S	East Asia
1300-1400	Daily	Voice of America	Chinese	15165	250	014	43,44	East Asia
1300-1500	Daily	Voice of America	Korean	12045	250	038	44NE	East Asia
1300-1700	Daily	VOA Deewa Radio	Pashto	9310	250	300	40E,41NW	Afghanistan
				12035	250	305	40E,41NW	Afghanistan
1330-1400	Daily	Radio Azadi (RFE/RL)	Pashto	17880	250	300	40E,41NW	Afghanistan
1400-1600	Daily	Azatlyk Radiosy (RFE/RL)	Turkmen	7475	250	316	30SE	Central Asia
1430-1500	Daily	VOA Radio Ashna	Pashto	7495	250	300	40E,41NW	Afghanistan
				12070	250	304	40E,41NW	Afghanistan
1430-1600	Daily	Voice of America	Burmese	5885	250	280	49W	South-East Asia
1500-1530	Daily	Voice of America	Hausa	15460	250	276	46,47W	West Africa
1500-1630	Daily	VOA Radio Ashna	Dari	7475	250	300	40E,41NW	Afghanistan
				12070	250	304	40E,41NW	Afghanistan
1530-1600	Mon-Fri	Voice of America	Hausa	15460	250	276	46,47W	West Africa
1600-1700	Daily	Voice of America	Tibetan	9965	250	304	42,43W	Tibet & environs
1600-1800	Daily	Voice of America	Somali	12055	250	276	48	Horn of Africa
1630-1730	Daily	VOA Radio Ashna	Pashto	7475	250	300	40E,41NW	Afghanistan
				12070	250	304	40E,41NW	Afghanistan
1700-1800	Daily	Voice of America	Kurdish	9820	250	304	39N,40	Middle East
1700-1900	Daily	VOA Deewa Radio	Pashto	5890	250	300	40E,41NW	Afghanistan
				7540	250	311	40E,41NW	Afghanistan
1730-1800	Daily	Voice of America	Burmese	6150	250	300	49	South-East Asia
1900-2000	Daily	Voice of America	Kurdish	9820	250	300	39N,40	Middle East

1900-2100	Daily	Voice of America	Korean	5875	250	038	44NE	East Asia
				7365	250	038	44NE	East Asia
2200-2300	Daily	Voice of America	Chinese	5875	250	030	43,44	East Asia
2330-0000	Daily	Voice of America	Burmese	5875	250	280	49W	South-East Asia
				7410	250	276	49W	South-East Asia

Uzbekistan

International broadcasts on shortwave

The Center for Radio Communication, Radio Broadcasting and Television (RRTM)

RRTM is the operator of all transmitters in Uzbekistan and hires airtime to international broadcasters.

Transmitter site: Tashkent - 11 x 100 kW.

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Target area</i>
0000-0030	Daily	IBRA Media	Bengali	9870	100	131	41NE	South Asia
0230-0330	Daily	BBC	Persian	6195	100	236	40	Iran
0300-1300	Daily	Afghanistan TV Int	Pashto	7600	100	236	40E,41NW	Afghanistan
0330-0430	Daily	BBC	Persian	13825	100	219	40	Iran
0400-1600	Daily	Radio Iran International	Persian	15630	100	236	40	Iran
0430-0530	Daily	BBC	Persian	13825	100	236	40	Iran
1200-1230	Daily	Voice of the Martyrs	Korean	15550	100	076	44E	East Asia
1200-1230	Daily	AWR	Min (Nan)	12105	100	076	43N,44N	East Asia
1200-1230	Fri/Sat	AWR	Chinese	12105	100	076	43N,44N	East Asia
1200-1300	Sat	Namihira Ministries	Japanese	15205	100	066	45	East Asia
1230-1300	Fri	AWR	Chinese	12105	100	076	43N,44N	East Asia
1230-1300	Sat-Thu	AWR	Cantonese	12105	100	076	43N,44N	East Asia
1300-1330	Daily	Nippon no Kaze	Korean	11875	100	076	44NE	East Asia
1300-1330	Mon-Wed	Bible Voice Broadcasting	English	11590	100	066	44NE	East Asia
1300-1330	Sat/Sun	Bible Voice Broadcasting	Korean	11590	100	066	44NE	East Asia
1300-1400	Daily	Radio Free North Korea	Korean	11510	100	076	44NE	East Asia
1300-1400	Sat	PanAmerican Broadcasting	Japanese	13580	100	066	45	Japan
1300-1400	Daily	AWR	Korean	15670	100	076	44NE,45NW	East Asia
1315-1330	Fri	Bible Voice Broadcasting	Korean	11590	100	066	44NE	East Asia
1330-1400	Daily	Furusato no Kaze	Japanese	11875	100	076	44NE	East Asia
1330-1400	Thu/Fri	AWR	Hmong	15550	100	121	41NE	SE Asia
1330-1400	Mo/Tu/Sa	AWR	Indonesian	15550	100	121	54N	SE Asia
1330-1400	Wed/Sun	AWR	Assamese	15550	100	121	41NE	South Asia
1400-1430	Daily	Deutsche Welle	Dari	6100	100	163	40E,41NW	West Asia
1400-1430	Tu/Th/Sa	Radio CDNK	Korean	7580	100	076	44NE	East Asia
1400-1500	Daily	North Korea Reform Radio	Korean	11570	100	076	44NE	East Asia
1400-1500	Mon-Sat	Voice of Wilderness	Korean	9330	100	076	44NE	East Asia
1400-1530	Sun	Voice of Wilderness	Korean	9330	100	076	44NE	East Asia
1430-1500	Daily	Deutsche Welle	Pashto	6100	100	163	40E,41NW	West Asia
1430-1500	Daily	Furusato no Kaze	Japanese	11955	100	076	44NE	East Asia
1430-1500	Wed-Sun	FEBA India	Hindi	11805	100	131	41N	South Asia
1430-1500	Daily	AWR	Burmese	11940	100	122	49NW	SE Asia
1500-1530	Daily	Nippon no Kaze	Korean	7335	100	076	44NE	East Asia
1500-1530	Daily	IBRA Media	Bengali	9390	100	131	41NE	South Asia
1500-1530	Daily	AWR	Tamil	9445	100	163	41S	South Asia
1500-1530	Daily	IBRA Media	Bengali	15510	100	131	41NE	South Asia
1500-1530	Daily	AWR	Kannada	12060	100	163	41S	South Asia
1500-1600	Daily	BBC	Persian	5875	100	236	40	Iran
1530-1600	Daily	Voice of Martyrs	Korean	7530	100	076	44NE	East Asia
1530-1600	Daily	Nippon no Kaze	Korean	7335	100	076	44NE	East Asia
1530-1600	Daily	AWR	Hindi	12060	100	163	41W	South Asia
1600-1630	Daily	Furusato no Kaze	Japanese	7335	100	076	44NE	East Asia
1600-1700	Daily	AWR	Persian	5875	100	236	40	Iran
1600-0400	Daily	Iran International	Persian	5830	100	236	40	Iran
1630-1700	Daily	Radio Ranginkaman	Persian	7610	100	236	40	Iran
1630-1730	Sun	PanAmerican Broadcasting	English	6155	100	163	41	South Asia
				7425	100	090	42,43,44	East Asia
1730-1800	Daily	Nippon no Kaze	Korean	5845	100	076	44NE	East Asia
1730-1800	Tu/Th/Su	Sae Nala Bangsong	Korean	5925	100	076	44NE	East Asia
1800-1830	Daily	Furusato no Kaze	Japanese	5845	100	076	44NE	East Asia
1830-1900	Sat/Sun	Bible Voice Broadcasting	Korean	7520	100	066	44NE	East Asia
1900-2100	Sat	Welle 370	German	6155	100	301	27,28,29	Europe

2000-2100	Daily	Radio Free North Korea	Korean	7630	100	076	44NE	East Asia
2000-2100	Daily	North Korea Reform Radio	Korean	7590	100	076	44NE	East Asia
2100-2130	Daily	Voice of Martyrs	Korean	7550	100	076	44NE	East Asia

Vanuatu

Radio Vanuatu

Radio Vanuatu is operated by the state-owned Vanuatu Broadcasting and Television Corporation.

Transmitter Site: Emten Lagoon, Efate - operating at around 2.5 kW.

Target area: Vanuatu - domestic audience.

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF
1830-2200	Daily	Bislama	3945	10	ND	56,51
2200-0030	Daily	Bislama	5040	10	ND	56,51
0030-0630	Daily	Bislama	7260	10	ND	56,51
0630-1100	Daily	Bislama	5040	10	ND	56,51

The 2nd, 3rd and 4th harmonics of 3945 kHz have been heard in the past on 7890, 11835 and 15780 kHz respectively.

Vietnam

Voice of Vietnam

The Voice of Vietnam (also Radio the Voice of Vietnam) is the Vietnamese national radio broadcaster. Directly controlled by the government of Vietnam, it is tasked with "propagating the views, policies of the Party and the laws of the state."

Voice of Vietnam - 1st National Programme

VOV1 broadcasts news, current affairs and music programmes.

Target area: all areas of Vietnam.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2145-1700	Daily	Vietnamese	5975	Me Tri, Hanoi	50	ND	49
			7210	Buon Ma Thuot, Dac Lan Province	20	ND	49
			9530	Xuan Mai, Lang Son Province	50	ND	49
			9635	Son Tay, Hanoi	100	145	49

Voice of Vietnam - 2nd National Programme

VOV2 broadcasts economic, social, cultural and educational programmes.

Target area: all areas of Vietnam.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2145-1700	Daily	Vietnamese	5925	Xuan Mai, Lang Son Province	50	ND	49

Language lessons on VOV-2

Time/UTC	Days	Language
0600-0614 and 1600-1614	Mon-Sat	English language lessons
0615-0629 and 1615-1629	Mon-Sat	French language lessons
0630-0644 and 1630-1644	Mon/Wed	Japanese language lessons
0630-0644 and 1630-1644	Tue/Fri	Chinese language lessons
0630-0644 and 1630-1644	Thu/Sat	Vietnamese language lessons for foreigners in English

VOV-4 for Ethnic Minorities in the Central Highlands

Tây Nguyên, translated as Western Highlands and sometimes also called Central Highlands, is one of the regions of Vietnam. It contains the provinces of Đắk Lắk, Đắk Nông, Gia Lai, Kon Tum, Lâm Đồng. This region is sometimes referred to as Cao nguyên Trung bộ (literally "Midland Highlands"), and was referred to during the former Republic of Vietnam as Cao nguyên Trung phần (literally "Central Highlands").

Target area: Central Highlands of Vietnam.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
2200-1600	Daily	Central Highland, Vietnamese	6020	Buon Ma Thuot, Dac Lac Province	20	ND	49

Note: Central Highland languages includes Bana, Ede, Giarai, Hmong, Koho, Sedang, Thai, M'Nong; may also relay VOV1 & 2 in Vietnamese at times.

VOV-4 for Ethnic Minorities in Northern Vietnam

Northern Vietnam is one of the three geographical regions within Vietnam. It consists of 3 administrative regions: the Northwest (Vùng Tây Bắc), the Northeast (Vùng Đông Bắc), and the Red River Delta (Đồng Bằng Sông Hồng). It has a total area of about 109,942.9 km². Tonkin is a historical exonym for this region plus the Thanh-Nghệ region. Of the three geographical regions, the oldest is Northern Vietnam, where the Vietnamese culture originated over 2,000 years ago in the Red River Delta, though Vietnamese people eventually spread south into the Mekong Delta.

Target area: Northern Vietnam.

Time/UTC	Days	Language	kHz	Location	kW	Az.	CIRAF
0400-0600	Daily	Dao, Ho Mong, Thai, Vietnamese	9850	Xuan Mai, Lang Son Province	50	ND	49

Note: may also relay VOV1 & 2 in Vietnamese at times

International broadcasts on shortwave

Voice of Vietnam External Service (VOV-5)

VOV-5 (VOV World) is for Vietnamese nationals residing overseas and foreigners around the world.

Transmitter site: Son Tay, Hanoi - 11 x 100 kW (not all operational).

Time/UTC	Days	Language	kHz	kW	Az.	CIRAF	Target area
1000-1030	Daily	English	9840	100	177	54	South-East Asia
1030-1100	Daily	Indonesian	9840	100	177	54	South-East Asia
			12020	100	177	54	South-East Asia
1100-1130	Daily	Chinese	7220	100	027	31-33	East Asia
1100-1130	Daily	Japanese	9840	100	057	44-45	East Asia
			12020	100	057	44-45	East Asia
1100-1200	Daily	Lao	7285	100	216	49	South-East Asia
1130-1200	Daily	English	9840	100	057	44-45	East Asia
1200-1230	Daily	Chinese	7220	100	027	31-33	East Asia
1200-1230	Daily	French	7285	100	216	49	South-East Asia
1200-1230	Daily	Japanese	9840	100	057	44,45	East Asia
			12020	100	057	44,45	East Asia
1230-1300	Daily	English	9840	100	177	54	South-East Asia
1230-1300	Daily	Thai	7285	100	216	49	South-East Asia
1300-1330	Daily	Chinese	7220	100	027	31-33	East Asia
1300-1330	Daily	French	7285	100	216	49	South-East Asia
1300-1330	Daily	Indonesian	9840	100	177	54	South-East Asia
			12020	100	177	54	South-East Asia
1330-1400	Daily	English	9840	100	057	44,45	East Asia
1400-1430	Daily	Japanese	9840	100	057	44,45	East Asia
			12020	100	057	44,45	East Asia
1430-1500	Daily	Indonesian	9840	100	177	54	South-East Asia
			12020	100	177	54	South-East Asia
1500-1530	Daily	English	9840	100	177	54	South-East Asia
1500-1600	Daily	Vietnamese	7220	100	290	37-39	North Africa/Middle East
1600-1630	Daily	English	7220	100	290	37-39	Middle East/North Africa
			9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1630-1700	Daily	French	7220	100	290	37-39	Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1630-1700	Daily	Russian	11885	100	320	27-30,37-39	Europe/Middle East/North Africa
			9730	100	320	27-30,37-39	Europe/Middle East/North Africa
1700-1800	Daily	Vietnamese	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1800-1830	Daily	Spanish	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1830-1900	Daily	German	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1900-1930	Daily	English	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
1930-2000	Daily	French	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2000-2030	Daily	German	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2030-2100	Daily	French	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2030-2100	Daily	English	7220	100	290	37-39	North Africa/Middle East
2100-2130	Daily	Spanish	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2100-2130	Daily	French	7220	100	320	27-30,37-39	Europe/Middle East/North Africa
2130-2200	Daily	English	9730	100	320	27-30,37-39	Europe/Middle East/North Africa
			11885	100	320	27-30,37-39	Europe/Middle East/North Africa
2200-2230	Daily	Chinese	7220	100	027	31-33	East Asia
2300-2330	Daily	Indonesian	9840	100	177	54	South-East Asia
			12020	100	177	54	South-East Asia

Target broadcast to Vietnam

Radio Đáp Lời Sông Núi.

Radio ĐLSN (Vietnam Democracy Radio) is operated by the Foundation for Democracy in Vietnam, based in California.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Target area
1230-1300	Daily	Vietnamese	9670	Paochung, Taiwan	100	250	49E	South-East Asia

Asia-Pacific on Shortwave

Edited by Tony Rogers

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