

British DX Club

The Americas on Shortwave



**Guide to shortwave broadcasts
in the Americas (and Antarctica)**

January 2022

featuring schedules for the B21 season

The Americas on Shortwave

This is a guide to shortwave broadcasting in and from the Americas (and Antarctica).

Contents

- 2-24 North America
- 25-28 Central America and the Caribbean
- 29-38 South America
- 38-39 Antarctica

Descriptions used in this guide have mostly been taken from radio station websites and Wikipedia.

This guide was last revised on 9 January 2022

Please always check www.dxguides.info for a possible later edition of the guide you are reading.

The editor takes full responsibility for the content in this guide and any errors contained within it.

Compiled and edited by Tony Rogers. Email: tony@bdxc.org.uk or dxguides@gmail.com

North America

Alaska

KNLS International

KNLS International is an international shortwave radio station near Anchor Point, Alaska. The station is operated by World Christian Broadcasting, a non-profit company based in the United States. KNLS broadcasts in English, Chinese and Russian to East Asia and the Russian Far East.

Transmitter site: Anchor Point has two 100 kW shortwave transmitters.

<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>Area</i>
0800-0900	Daily	English	6075	Anchor Point AK	100	270	45,50N	East Asia
0800-0900	Daily	Chinese	7370	Anchor Point AK	100	285	33SE,44	East Asia
0900-1000	Daily	Chinese	7370	Anchor Point AK	100	285	33SE,44	East Asia
0900-1000	Daily	Russian	9540	Anchor Point AK	100	300	24,33,34	East Asia
1000-1100	Daily	English	9680	Anchor Point AK	100	270	45,50N	East Asia
1000-1100	Daily	Chinese	9715	Anchor Point AK	100	285	33SE,44	East Asia
1100-1200	Daily	Russian	9570	Anchor Point AK	100	300	24,33,34	East Asia
1100-1200	Daily	Chinese	9720	Anchor Point AK	100	285	33SE,44	East Asia
1200-1300	Daily	English	9580	Anchor Point AK	100	270	45,50N	East Asia
			9625	Anchor Point AK	100	270	45,50N	East Asia
1300-1400	Daily	Chinese	7395	Anchor Point AK	100	300	24,33,34	East Asia
			9535	Anchor Point AK	100	300	24,33,34	East Asia
1400-1500	Daily	English	6110	Anchor Point AK	100	270	45,50N	East Asia
1400-1500	Daily	Chinese	9535	Anchor Point AK	100	300	24,33,34	East Asia
1500-1600	Daily	Russian	9550	Anchor Point AK	100	300	24,33,34	East Asia
1500-1600	Daily	Chinese	9570	Anchor Point AK	100	300	24,33,34	East Asia



Canada

CFVP Calgary AB

CFVP is the full-time shortwave rebroadcaster of CKMX (Funny 1060 AM) in Calgary, Alberta. CFVP broadcasts at a power of 100 watts on 6030 kHz in the 49m shortwave band. After a period off air, engineers restored the service as of 9 am local time on 19 June 2021.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>
24 hours	Daily	English	6030	Calgary, Alberta	1	ND

CFRX Toronto ON

CFRX is the shortwave relay of CFRB (Newstalk 1010), the news/talk radio station in Toronto, Ontario. It transmits with a power of 1 kilowatt on 6070 kHz in the 49-meter band. CFRX signed on the air on 11 February 1937, 10 years after CFRB began. It is currently the only radio Canadian station broadcasting on shortwave.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>
24 hours	Daily	English	6070	Toronto, Ontario	1	ND



USA

United States Agency for Global Media (USAGM)

USAGM's mandate comes from multiple pieces of legislation. It is accountable to six bipartisan House and Senate committees. As a federal agency, USAGM's budget request is part of the President's Budget request to the Congress. It provides multimedia broadcast distribution, as well as technical and administrative support to the broadcasting networks. It manages a global network of transmitting sites and an extensive system of leased satellite and fibre optic circuits, along with a rapidly growing Internet delivery system servicing all USAGM broadcasters. It is also the administrative and marketing arm of the Agency. USAGM also oversees five networks: two federal organisations - the Voice of America and the Office of Cuba Broadcasting, which oversees Radio and TV Martí - and three non-profit organisations - Radio Free Europe/Radio Liberty, Radio Free Asia and the Middle East Broadcasting Networks - which receive grants from USAGM.

Voice of America

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 digital, TV, and radio content in 47 languages which it distributes to affiliate stations around the globe. It is primarily viewed by foreign audiences, so VOA programming has an influence on public opinion abroad regarding the United States and its people. VOA is headquartered in Washington, D.C., and overseen by the U.S. Agency for Global Media (USAGM), an independent agency of the U.S. government. Funds are appropriated annually under the budget for embassies and consulates. The schedule below has been compiled from HFCC registrations for B21 and checked by monitoring.

<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>Area</i>
0000-0030	Daily	Tibetan	5890	Umm al-Rimam KWT	250	070	42,43W	E Asia
			7580	Umm al-Rimam KWT	250	078	42,43W	E Asia
			9670	Udon Thani THA	250	311	42,43W	E Asia
0000-0100	Daily	Chinese	7560	Udon Thani THA	250	006	43,44	E Asia
			9880	Udon Thani THA	250	030	43,44	E Asia
			11945	Tinang PHL	250	332	43,44	E Asia
			15425	Tinang PHL	250	349	43,44	E Asia
			5890	Udon Thani THA	250	316	42,43W	E Asia
0030-0100	Daily	Tibetan	7580	Umm al-Rimam KWT	250	078	42,43W	E Asia
			9670	Udon Thani THA	250	311	42,43W	E Asia
			9355	Udon Thani THA	250	280	49W	SE Asia
0130-0230	Daily	Burmese	11820	Tinang PHL	250	283	49W	SE Asia
			15110	Tinang PHL	250	283	49W	SE Asia
			9355	Udon Thani THA	250	280	49	SE Asia
0230-0330	Daily	Burmese	15235	Tinang PHL	250	283	49	SE Asia
			17525	Tinang PHL	250	283	49	SE Asia

0300-0400	Daily	English	4930	Selebi-Phikwe BOT	100	020	53,57	Africa
			6080	Pinheira STP	100	138	47S,52,53S,57	Africa
			9775	Selebi-Phikwe BOT	100	350	46,47,52,53,57	Africa
0300-0400	Daily	Tibetan	17865	Tinang PHL	250	315	42,43W	E Asia
			21600	Tinang PHL	250	315	42,43W	E Asia
			21785	Tinang PHL	250	283	42,43W	E Asia
0330-0400	Daily	Somali	9510	S Maria di Galeria VAT	250	146	48	NE Africa
			9825	Lampertheim D	100	132	48	NE Africa
			11875	Dhabbaya UAE	250	215	48	NE Africa
0330-0430	Daily	Kirundi	7275	Pinheira STP	100	100	52,53	E Africa
			7460	Selebi-Phikwe BOT	100	010	52,53	E Africa
			9885	Pinheira STP	100	100	52,53	E Africa
0400-0500	Daily	English	4930	Selebi-Phikwe BOT	100	020	53,57	Africa
			4960	Pinheira STP	100	030	46,47	Africa
			6080	Pinheira STP	100	138	47S,52,53S,57	Africa
0400-0500	Daily	Tibetan	9775	Selebi-Phikwe BOT	100	350	46,47,52,53,57	Africa
			15610	Udon Thani THA	250	316	42,43	E Asia
			17865	Tinang PHL	250	315	42,43W	E Asia
0430-0530	Mon-Fri	Kirundi	21620	Tinang PHL	250	315	42,43W	E Asia
			7275	Pinheira STP	100	100	52,53	E Africa
			7460	Selebi-Phikwe BOT	100	010	52,53	E Africa
0500-0530	Daily	French	9885	Pinheira STP	100	100	52,53	E Africa
			4960	Pinheira STP	100	030	46,47	Africa
			6020	Pinheira STP	100	000	46,47W	Africa
0500-0600	Daily	English	6170	Ascension Island ASC	250	027	46,47	Africa
			4930	Selebi-Phikwe BOT	100	020	53,57	Africa
			6080	Pinheira STP	100	020	46,47	Africa
0500-0600	Daily	Tibetan	15580	Selebi-Phikwe BOT	100	350	46,47,52,53,57	Africa
			15560	Udon Thani PHL	250	316	42,43	E Asia
			17865	Tinang PHL	250	315	42,43W	E Asia
0530-0630	Mon-Fri	French	21670	Tinang PHL	250	315	42,43W	E Asia
			4960	Pinheira STP	100	030	46,47	Africa
			6020	Pinheira STP	100	335	37,46-47,52-53	Africa
0600-0700	Daily	English	9885	S Maria di Galeria VAT	250	250	37-38,46-37,52,57	Africa
			13830	Selebi-Phikwe BOT	100	010	46W,47-38,52-53	Africa
			6080	Pinheira STP	100	020	46,47	Africa
0700-0730	Daily	Hausa	9550	Pinheira STP	100	124	46,47,52,53	Africa
			15580	Selebi-Phikwe BOT	100	350	46,47,52,53,57	Africa
			4960	Pinheira STP	100	030	46,47	W Africa
0830-0900	Wed/Sat	French	12070	S Maria di Galeria VAT	250	175	46,47W	W Africa
			15580	Selebi-Phikwe BOT	100	350	46,47W	W Africa
			12030	Pinheira STP	100	100	46,47,48,52,53	Africa
0900-1000	Daily	Chinese	15715	S Maria di Galeria VAT	250	175	46,47,48,52,53	Africa
			17700	Selebi-Phikwe BOT	100	350	46,47,48,52,53	Africa
			9795	Tinang PHL	250	349	42-44	E Asia
1000-1100	Daily	Chinese	11650	Udon Thani THA	250	006	43,44	E Asia
			13830	Udon Thani THA	250	030	42-44	E Asia
			15150	Udon Thani THA	250	030	43-44	E Asia
1030-1100	Daily	Somali	17720	Udon Thani THA	250	030	43,44	E Asia
			9795	Tinang PHL	250	349	42-44	E Asia
			9825	Tinang PHL	250	332	43,44	E Asia
1100-1130	Sat	French	11650	Udon Thani THA	250	006	43,44	E Asia
			13830	Udon Thani THA	250	030	42-44	E Asia
			15150	Udon Thani THA	250	030	43-44	E Asia
1100-1200	Daily	Chinese	13580	Umm al-Rimam KWT	250	185	48	NE Africa
			15710	Pinheira STP	100	076	48	NE Africa
			17545	Udon Thani THA	250	272	48	NE Africa
1100-1200	Daily	Chinese	12030	Pinheira STP	100	335	37,46,47,52	Africa
			13750	Selebi-Phikwe BOT	100	010	46-48,52-53	Africa
			15715	Selebi-Phikwe BOT	100	350	46,47,48,52,53	Africa
1100-1200	Daily	Chinese	17850	S Maria di Galeria VAT	250	195	46,47,48,52,53	Africa
			9825	Tinang PHL	250	349	43,44	E Asia
			11660	Tinang PHL	250	349	42-44	E Asia
1100-1200	Daily	Chinese	12080	Tinang PHL	250	332	43,44	E Asia
			15150	Udon Thani THA	250	030	43-44	E Asia

1130-1200	Mon-Fri	Rohingya	12030	Tinang PHL	250	283	49W	SE Asia
			12125	Udon Thani THA	250	304	49W	SE Asia
			15715	Udon Thani THA	250	300	49W	SE Asia
1130-1200	Sat/Sun	Learning EE	12030	Tinang PHL	250	283	49W	SE Asia
			12125	Udon Thani THA	250	304	49W	SE Asia
			15715	Udon Thani THA	250	300	49W	SE Asia
1200-1230	Daily	Burmese	11965	Tinang PHL	250	270	49W	SE Asia
			15560	Tinang PHL	250	270	49W	SE Asia
			17680	Tinang PHL	250	270	49W	SE Asia
1200-1300	Daily	Chinese	7515	Udon Thani THA	250	030	43,44	E Asia
			9825	Tinang PHL	250	349	43,44	E Asia
			11660	Udon Thani THA	250	030	43,44	E Asia
			11900	Tinang PHL	250	332	42-44	E Asia
1200-1300	Daily	Korean	7465	Tinang PHL	250	021	44NE	E Asia
			9490	Tinang PHL	250	021	44NE	E Asia
			11570	Tinang PHL	250	021	44NE	E Asia
1300-1400	Daily	Chinese	7470	Udon Thani THA	250	030	43,44	E Asia
			9585	Tinang PHL	250	315	42-44	E Asia
			9825	Tinang PHL	250	349	43,44	E Asia
			11660	Tinang PHL	250	332	43,44	E Asia
1300-1400	Daily	Korean	9800	Tinang PHL	250	021	44NE	E Asia
			9985	Saipan MRA	100	310	44NE	E Asia
			11570	Tinang PHL	250	021	44NE	E Asia
1300-1400	Daily	Somali	15710	S Maria di Galeria VAT	250	150	48	NE Africa
			17820	Umm al-Rimam KWT	250	185	48	NE Africa
1300-1500	Daily	Cantonese	7545	Tinang PHL	250	332	44S	E Asia
1330-1430	Daily	Khmer	9335	Tinang PHL	250	270	49W	SE Asia
			11675	Tinang PHL	250	270	49W	SE Asia
1400-1430	Daily	Chinese	9605	Tinang PHL	250	332	43,44	E Asia
			9825	Tinang PHL	250	315	43,44	E Asia
			11660	Tinang PHL	250	332	43,44	E Asia
			12120	Tinang PHL	250	349	42-44	E Asia
1400-1500	Daily	English	4930	Selebi-Phikwe BOT	100	020	53,57	Africa
			15580	Selebi-Phikwe BOT	100	010	46-48,52-53	Africa
			17885	Selebi-Phikwe BOT	100	350	46-48,52-53,57	Africa
1400-1500	Daily	Korean	9800	Tinang PHL	250	021	44NE	E Asia
			9985	Saipan MRA	100	325	44NE	E Asia
			11570	Saipan MRA	100	325	44NE	E Asia
1400-1500	Daily	Kurdish	15270	Biblis D	100	085	39N,40W	Middle East
			15600	Woofferton G	250	102	39N,40W	Middle East
1400-1500	Sat/Sun	Kirundi	9885	Pinheira STP	100	100	52,53	E Africa
			13630	Selebi-Phikwe BOT	100	350	48SW,52,53	E Africa
			15460	S Maria di Galeria VAT	250	175	48S,52-53	E Africa
1400-1500	Daily	Tibetan	11760	Tinang PHL	250	316	42,43W	E Asia
			11910	Udon Thani THA	250	304	42,43W	E Asia
			13830	Udon Thani THA	250	316	42,43W	E Asia
			17585	Biblis D	100	085	42,43W	E Asia
1430-1500	Daily	Chinese	9605	Tinang PHL	250	332	43,44	E Asia
			9825	Tinang PHL	250	315	43,44	E Asia
			11660	Udon Thani THA	250	030	43,44	E Asia
			12120	Tinang PHL	250	349	42-44	E Asia
1430-1530	Daily	Burmese	9335	Tinang PHL	250	270	49W	SE Asia
			11870	Tinang PHL	250	270	49W	SE Asia
			15450	Tinang PHL	250	283	49W	SE Asia
1500-1530	Daily	Hausa	9575	Pinheira STP	100	000	46,47W	W Africa
			11850	Pinheira STP	100	020	46,47W	W Africa
			15460	Selebi-Phikwe BOT	100	350	46,47W	W Africa
1500-1600	Daily	English	4930	Selebi-Phikwe BOT	100	020	53,57	Africa
			7455	Selebi-Phikwe BOT	100	350	46,47,52,53	Africa
			15580	Selebi-Phikwe BOT	100	010	46-48,52-53	Africa
			17895	Pinheira STP	100	100	46-48,52,53	Africa
1530-1600	Mon-Fri	Hausa	9575	Pinheira STP	100	000	46,47W	W Africa
			11850	Pinheira STP	100	020	46,47W	W Africa
			15460	Selebi-Phikwe BOT	100	350	46,47W	W Africa

1530-1630	Daily	Burmese	9335	Tinang PHL	250	270	49W	SE Asia
			9385	Tinang PHL	250	283	49W	SE Asia
			11870	Tinang PHL	250	270	49W	SE Asia
1600-1630	Daily	English	4930	Selebi-Phikwe BOT	100	020	53,57	Africa
			6080	Pinheira STP	100	335	46,47S,52	Africa
			15580	Selebi-Phikwe BOT	100	350	38,46-48,52-53,57	Africa
			17895	Selebi-Phikwe BOT	100	010	46-48,52-53,57	Africa
			11850	Selebi-Phikwe BOT	100	350	52,53	E Africa
1600-1630	Daily	Kirundi	13630	S Maria di Galeria VAT	250	199	48SW,52,53	E Africa
			15460	Pinheira STP	100	100	48S,52-53	E Africa
			7525	Tinang PHL	250	275	42,43W	E Asia
1600-1700	Daily	Tibetan	9760	Udon Thani THA	250	319	42,43W	E Asia
			11670	Tinang PHL	250	315	42,43W	E Asia
			11610	Woofferton G	250	126	48	NE Africa
1600-1800	Daily	Somali	11905	Lampertheim D	100	132	48	NE Africa
			11850	Dhabbaya UAE	250	235	47E,48W	Africa
1630-1700	Mon-Fri	English	13865	Woofferton G	250	135	47E,48W	Africa
			15180	Pinheira STP	100	076	47E,48W	Africa
			13630	Selebi-Phikwe BOT	100	350	46W,47S,52,53W	Africa
1630-1700	Fri	Portuguese	17655	Pinheira STP	100	126	46W,47S,52,53W	Africa
			13750	Umm al-Rimam KWT	250	210	47S,48S,52,53	E Africa
1630-1700	Daily	Swahili	15620	Woofferton G	250	140	47S,48S,52,53	E Africa
			15460	Pinheira STP	100	100	47S,48S,52,53	E Africa
			12040	Pinheira STP	100	076	48	NE Africa
1700-1730	Daily	Amharic	15580	Selebi-Phikwe BOT	100	010	48	NE Africa
			6080	Pinheira STP	100	335	46,47S,52	Africa
1700-1730	Daily	English	11850	Umm al-Rimam KWT	250	210	47-48,52-53	Africa
			17895	Selebi-Phikwe BOT	100	350	46-48,52-53,57	Africa
			7475	Biblis D	100	088	39N,40W	Middle East
1700-1800	Daily	Kurdish	9750	Lamperthiem D	100	104	39N,40W	Middle East
			9820	Biblis D	100	105	39N,40W	Middle East
			13630	Selebi-Phikwe BOT	100	350	46W,47S,52,53W	Africa
1700-1800	Daily	Portuguese	17655	Greenville NC USA	250	094	46W,47S,52,53W	Africa
			6080	Pinheira STP	100	335	46,47S,52	Africa
1730-1800	Daily	English	11850	Pinheira STP	100	088	47-48,52-53	Africa
			15580	Selebi-Phikwe BOT	100	010	38,46-48,52-53,57	Africa
			17895	Selebi-Phikwe BOT	100	350	46-48,52-53,57	Africa
			9485	Woofferton G	250	126	48	NE Africa
			12040	Lampertheim D	100	132	48	NE Africa
1730-1800	Daily	Oromo	13765	Umm al-Rimam KWT	250	200	48	NE Africa
			13630	Selebi-Phikwe BOT	100	350	46W,47S,52,53W	Africa
			17655	Greenville NC USA	250	094	46W,47S,52,53W	Africa
1800-1830	Mon-Fri	Portuguese	9485	Woofferton G	250	126	48	NE Africa
			12040	Lampertheim D	100	132	48	NE Africa
			13765	Umm al-Rimam KWT	250	200	48	NE Africa
1800-1900	Daily	Amharic	13630	Selebi-Phikwe BOT	100	350	46W,47S,52,53W	Africa
			17655	Greenville NC USA	250	094	46W,47S,52,53W	Africa
			9485	Woofferton G	250	126	48	NE Africa
1800-1900	Daily	English	12040	Lampertheim D	100	132	48	NE Africa
			13765	Umm al-Rimam KWT	250	200	48	NE Africa
			4930	Selebi-Phikwe BOT	100	020	52,53,57N	Africa
1800-1900	Daily	English	11610	Udon Thani THA	250	272	47S,48S,52-53	Africa
			15580	Selebi-Phikwe BOT	100	350	38,46-48,52-53,57	Africa
			12075	S Maria di Galeria VAT	250	199	46-48,52,53	Africa
1830-1900	Daily	French	15730	Selebi-Phikwe BOT	100	350	46-48,52-53	Africa
			11850	Selebi-Phikwe BOT	100	010	47S,48S,52,53	E Africa
1830-1900	Mon-Fri	Kirundi	13630	Pinheira STP	100	100	47S,48S,52,53	E Africa
			12075	S Maria di Galeria VAT	250	199	46-48,52,53	Africa
1900-1930	Daily	French	15730	Selebi-Phikwe BOT	100	350	46-48,52-53	Africa
			17700	Greenville NC USA	250	094	37-38,46-47	Africa
			9485	Selebi-Phikwe BOT	100	010	48	NE Africa
1900-1930	Daily	Tigrinya	12040	S Maria di Galeria VAT	125	146	48	NE Africa
			13765	Umm al-Rimam KWT	250	200	48	NE Africa
			4930	Selebi-Phikwe BOT	100	020	53,57	Africa
1900-2000	Daily	English	13590	Pinheira STP	100	138	47S,48S,52-53	Africa
			15580	Selebi-Phikwe BOT	100	350	38,46-48,52-53,57	Africa
			7465	Tinang PHL	250	021	44NE	E Asia
1900-2100	Daily	Korean	9800	Tinang PHL	250	021	44NE	E Asia
			9975	Tinion MRA	250	329	44NE	E Asia

1930-2000	Daily	French	11900	Pinheira STP	100	335	37,46	Africa			
			12075	Selebi-Phikwe BOT	100	350	46-48,52-53	Africa			
			15730	Greenville NC USA	250	094	46-48,52,53	Africa			
			17700	Greenville NC USA	250	094	37-38,46-47	Africa			
1930-2000	Mon-Fri	Kirundi	9885	Selebi-Phikwe BOT	100	010	52,53	E Africa			
			11850	Pinheira STP	100	100	52,53	E Africa			
			12040	Umm al-Rimam KWT	250	200	52,53	E Africa			
2000-2030	Daily	French	9485	Umm al Rimam KWT	250	210	46-48,52	Africa			
			11900	Pinheira STP	100	335	37,46	Africa			
			12075	Selebi-Phikwe BOT	100	350	46-48,52-53	Africa			
			15730	Greenville NC USA	250	094	46-48,52,53	Africa			
2000-2100	Daily	English	4930	Selebi-Phikwe BOT	100	020	53,57	Africa			
			6195	Selebi-Phikwe BOT	100	350	46S,47S,52,53,57	Africa			
			15580	Selebi-Phikwe BOT	100	010	38,46-48,52-53	Africa			
2030-2100	Sat	French	12075	Selebi-Phikwe BOT	100	350	46-48,52,53	Africa			
2030-2100	Sun	French	11900	Pinheira STP	100	335	46,47W	Africa			
			11975	S Maria di Galeria VAT	250	169	46,47,52,53	Africa			
			12075	Selebi-Phikwe BOT	100	350	46-48,52,53	Africa			
			2030-2100	Mon-Fri	Hausa	4960	Pinheira STP	100	030	46,47,52	W Africa
						6080	Pinheira STP	100	000	46,47W	W Africa
9765	Woofferton G	250				180	46,47W	W Africa			
			11850	Pinheira STP	100	020	46,47W	W Africa			
			13750	Pinheira STP	100	052	46,47W	W Africa			
			2030-2100	Sat	Hausa	4960	Pinheira STP	100	030	46,47,52	W Africa
						6080	Pinheira STP	100	000	46,47W	W Africa
9485	Umm al-Rimam KWT	250				210	46-48,52	W Africa			
9765	Woofferton G	250				180	46,47W	W Africa			
11850	Pinheira STP	100				020	46,47W	W Africa			
11900	Pinheira STP	100				335	46,47W	W Africa			
11975	S Maria di Galeria VAT	250				169	46,47,52,53	W Africa			
2030-2100	Sun	Hausa	13750	Pinheira STP	100	052	46,47W	W Africa			
			4960	Pinheira STP	100	030	46,47,52	W Africa			
			6080	Pinheira STP	100	000	46,47W	W Africa			
			9485	Umm al-Rimam KWT	250	210	46-48,52	W Africa			
			9765	Woofferton G	250	180	46,47W	W Africa			
			11850	Pinheira STP	100	020	46,47W	W Africa			
			13750	Pinheira STP	100	052	46,47W	W Africa			
2100-2130	Mon-Fri	French	5925	Pinheira STP	100	020	46-47,52	Africa			
			9485	Umm al-Rimam KWT	250	210	46-48,52	Africa			
			12075	Selebi-Phikwe BOT	100	350	46-48,52-53	Africa			
2100-2200	Daily	English	6195	Pinheira STP	100	000	46,47W	Africa			
			11720	Greenville NC USA	250	091	46,47,52	Africa			
			2130-2200	Mon-Fri	Bambara	5885	Umm al-Rimam KWT	250	270	46	W Africa
5925	Pinheira STP	100				335	46	W Africa			
12075	Selebi-Phikwe BOT	100				350	46	W Africa			
			15120	Ascension Island ASC	250	027	46	W Africa			
			2200-2230	Daily	Khmer	5880	Tinang PHL	250	270	49SE	SE Asia
7465	Tinang PHL	250				275	49E	SE Asia			
9335	Tinang PHL	250				270	49SE	SE Asia			
2200-2300	Daily	Chinese	7500	Udon Thani THA	250	030	43,44	E Asia			
			9620	Tinang PHL	250	332	43,44	E Asia			
2330-0030	Daily	Burmese	6150	Udon Thani THA	250	280	49W	SE Asia			
			9335	Tinang PHL	250	283	49W	SE Asia			
			9380	Tinang PHL	250	270	49W	Se Asia			

Please see separate schedules below for other VOA services:
VOA Studio 7 (to Zimbabwe)
VOA Dari and VOA Pashto (also known as Radio Ashna to Afghanistan)
VOA Deewa Radio (to the Afghanistan-Pakistan border region)



Voice of America - Studio 7 (for Zimbabwe)

Studio 7 aims to provide extensive and comprehensive coverage of political, economic and social developments in Zimbabwe. On both its radio and Radio-on-TV platforms, Studio 7 offers a variety of programmes targeted to a diverse group of listeners, including women and youth, the diaspora community and rural population, as well as a variety of topics that include religion, culture, health, and sports. Studio 7 broadcasts in Shona and Ndebele with each language programme running for 30 minutes. In addition, Studio 7 airs Livetalk, a 60-minute call-in Radio-on-TV (simulcast) talk show, Monday through Friday. Livetalk is a platform of engagement that allows Zimbabweans in country and in the diaspora to air their views on developments taking place in Zimbabwe and elsewhere.

Time/UTC	Days	Lang/Prgr	kHz	Transmitter site	kW	Az.	CIRAF
0400-0430	Mon-Fri	Shona	6175	Selebi-Phikwe BOT	100	350	53,57N
			7255	Pinheira STP	100	126	53,57N
0430-0500	Mon-Fri	Ndebele	6175	Selebi-Phikwe BOT	100	350	53,57N
			7255	Pinheira STP	100	126	53,57N
1700-1730	Daily	Shona	4930	Selebi-Phikwe BOT	100	020	53,57N
			13860	Pinheira STP	100	124	53,57N
			15460	Pinheira STP	100	126	53,57N
1730-1800	Daily	Ndebele	4930	Selebi-Phikwe BOT	100	020	53,57N
			13860	Pinheira STP	100	124	53,57N
			15460	Pinheira STP	100	126	53,57N
1800-1900	Mon-Fri	Live Talk	13860	Pinheira STP	100	124	53,57N
			15460	Pinheira STP	100	126	53,57N

Radio Free Europe / Radio Liberty

Radio Free Europe/Radio Liberty (RFE/RL) is a United States government-funded organisation that broadcasts and reports news, information and analysis to countries in Eastern Europe, Central Asia, Caucasus and the Middle East where it says that "the free flow of information is either banned by government authorities or not fully developed". RFE/RL is a private, non-profit 501(c) corporation supervised by the U.S. Agency for Global Media, an independent government agency overseeing all U.S. federal government international broadcasting services. The organisation has been headquartered in Prague, Czech Republic since 1995. On shortwave it currently broadcasts in Uzbek, Turkmen and Tajik.

Time/UTC	Days	Service	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
1400-1500	Daily	Ozodlik Radiosi	Uzbek	12045	Biblis D	100	075	30S	Central Asia
				15490	Lampertheim D	100	077	30S	Central Asia
1400-1600	Daily	Azatlyk Radiosy	Turkmen	6060	Umm al-Rimam KWT	250	040	30S	Central Asia
				11965	Biblis D	100	088	30S	Central Asia
1400-1700	Daily	Radio Ozodi	Tajik	7475	Udon Thani THA	250	316	30SE	Central Asia
				9470	Lampertheim D	100	075	30SE	Central Asia
1600-1700	Daily	Ozodlik Radiosi	Uzbek	9490	Biblis D	100	075	30S	Central Asia
				9940	Udon Thani THA	250	304	30S	Central Asia

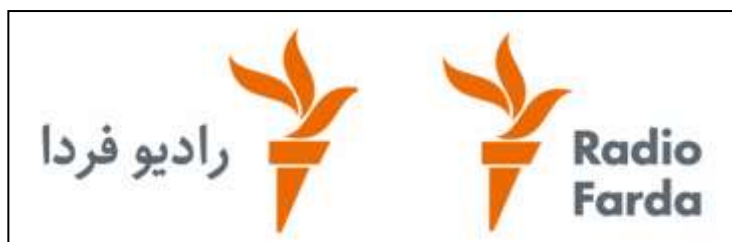


Radio Farda (for Iran)

Radio Farda ("Radio Tomorrow") is the Iranian branch of the U.S. government-funded Radio Free Europe/Radio Liberty (RFE/RL) external broadcast service. It broadcasts 24 hours a day in Persian from its headquarters in Prague.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
0000-0230	Daily	Persian	5860	Umm al-Rimam KWT	250	050	40
0230-0400	Daily	Persian	5860	Umm al-Rimam KWT	250	050	40
			7585	Umm al-Rimam KWT	250	058	40
			12035	Lampertheim D	100	108	40
0400-0430	Daily	Persian	5860	Umm al-Rimam KWT	250	050	40
			7585	Umm al-Rimam KWT	250	058	40
			13600	Udon Thani THA	250	300	40
0430-0530	Daily	Persian	5860	Umm al-Rimam KWT	250	050	40
			7585	Umm al-Rimam KWT	250	058	40
			9895	Biblis D	100	085	40
			12035	Lampertheim D	100	108	40
			13600	Udon Thani THA	250	300	40

0530-0630	Daily	Persian	5860	Umm al-Rimam KWT	250	050	40
			7585	Umm al-Rimam KWT	250	058	40
			9895	Biblis D	100	085	40
			12035	Lampertheim D	100	108	40
			13600	Lampertheim D	100	108	40
0630-0730	Daily	Persian	5860	Umm al-Rimam KWT	250	050	40
			7585	Umm al-Rimam KWT	250	058	40
			9895	Biblis D	100	085	40
			12005	Biblis D	100	105	40
			12035	Lampertheim D	100	108	40
0730-0830	Daily	Persian	13600	Lampertheim D	100	108	40
			5860	Umm al-Rimam KWT	250	050	40
			12005	Biblis D	100	105	40
			13600	Lampertheim D	100	108	40
			15690	Lampertheim D	100	104	40
0830-1230	Daily	Persian	17530	Udon Thani THA	250	300	40
			5860	Umm al-Rimam KWT	250	050	40
			9990	Umm al-Rimam KWT	250	058	40
			12005	Biblis D	100	105	40
			13600	Lampertheim D	100	108	40
1230-1330	Daily	Persian	15690	Lampertheim D	100	104	40
			17530	Udon Thani THA	250	300	40
			5860	Umm al-Rimam KWT	250	050	40
			9990	Udon Thani THA	250	300	40
			12005	Biblis D	100	105	40
1330-1430	Daily	Persian	13600	Lampertheim D	100	108	40
			15690	Lampertheim D	100	104	40
			17530	Udon Thani THA	250	300	40
			5860	Umm al-Rimam KWT	250	050	40
			9990	Udon Thani THA	250	300	40
1430-1500	Daily	Persian	11695	Lampertheim D	100	092	40
			12005	Biblis D	100	105	40
			13600	Lampertheim D	100	108	40
			15690	Lampertheim D	100	104	40
			5860	Umm al-Rimam KWT	250	050	40
1500-1530	Daily	Persian	11695	Lampertheim D	100	092	40
			12005	Biblis D	100	105	40
			13600	Lampertheim D	100	108	40
			15690	Lampertheim D	100	104	40
			5860	Umm al-Rimam KWT	250	050	40
1530-1630	Daily	Persian	11695	Lampertheim D	100	092	40
			12005	Biblis D	100	105	40
			5860	Umm al-Rimam KWT	250	050	40
			7580	Lampertheim D	100	108	40
1630-1730	Daily	Persian	11695	Lampertheim D	100	092	40
			12005	Biblis D	100	105	40
			5860	Umm al-Rimam KWT	250	050	40
1730-1800	Daily	Persian	7580	Lampertheim D	100	108	40
			12005	Biblis D	100	105	40
			5865	Umm al-Rimam KWT	250	050	40
1800-2130	Daily	Persian	7580	Udon Thani THA	250	300	40
			12005	Biblis D	100	105	40
			5865	Umm al-Rimam KWT	250	050	40
2130-0000	Daily	Persian	5865	Umm al-Rimam KWT	250	050	40



USAGM target broadcasts on shortwave to Afghanistan and Pakistan

The Voice of America and Radio Free Europe/Radio Liberty have several broadcasts directed to Afghanistan and Pakistan on shortwave. These are:

- VOA Pashto and VOA Dari (also known as Radio Ashna).
- Deewa (Light) Radio is a Voice of America service in Pashto for the Afghanistan-Pakistan border region. Programming consists of news reports and music. The service was launched on 27 September 2006.
- Radio Free Afghanistan (Radio Azadi) is the Afghan service of Radio Free Europe/Radio Liberty and began broadcasting on 30 January 2002. An earlier version of RFA existed as part of RFE/RL between 1985-1993.
- Radio Mashaal ("Mashaal" meaning "Torch" in Pashto) began broadcasting on 15 January 2010 in local Pashto dialects to Pakistan and the border regions between Afghanistan and Pakistan.

Time/UTC	Days	Service	Language	kHz	Transmitter site	kW	Az.	CIRAF
0030-0100	Daily	VOA Pashto	Pashto	7290	Umm al-Rimam KWT	250	070	40E,41NW
				7495	Udon Thani THA	250	304	40E,41NW
0100-0130	Daily	VOA Dari	Dari	7290	Umm al-Rimam KWT	250	070	40E,41NW
				7495	Udon Thani THA	250	304	40E,41NW
0100-0400	Daily	VOA Deewa Radio	Pashto	7470	Lampertheim D	100	092	40E,41NW
				7530	Umm al-Rimam KWT	250	070	40E,41NW
				9765	Udon Thani THA	250	300	40E,41NW
0130-0200	Daily	VOA Pashto	Pashto	7290	Biblis D	100	088	40E,41NW
				7495	Umm al-Rimam KWT	250	070	40E,41NW
0200-0230	Daily	VOA Dari	Dari	7495	Umm al-Rimam KWT	250	070	40E,41NW
				12140	Udon Thani THA	250	070	40E,41NW
0230-0300	Daily	RFE/RL Radio Azadi	Pashto	12140	Udon Thani THA	250	300	40E,41NW
				13860	Udon Thani THA	250	300	40E,41NW
0300-0330	Daily	RFE/RL Radio Azadi	Dari	12140	Udon Thani THA	250	300	40E,41NW
				13860	Udon Thani THA	250	300	40E,41NW
0330-0430	Daily	RFE/RL Radio Azadi	Pashto	12140	Umm al-Rimam KWT	250	070	40E,41NW
				13860	Umm al-Rimam KWT	250	070	40E,41NW
0400-0500	Daily	RFE/RL Mashaal R.	Pashto	12110	Umm al-Rimam KWT	250	078	40E,41NW
				13580	Udon Thani THA	250	300	40E,41NW
				15765	Udon Thani THA	250	300	40E,41NW
0430-0530	Daily	RFE/RL Radio Azadi	Dari	12070	Umm al-Rimam KWT	250	070	40E,41NW
				12140	Umm al-Rimam KWT	250	070	40E,41NW
0500-0700	Daily	RFE/RL Mashaal R.	Pashto	12110	Umm al-Rimam KWT	250	078	40E,41NW
				13580	Umm al-Rimam KWT	250	070	40E,41NW
				15765	Udon Thani THA	250	300	40E,41NW
0530-0630	Daily	RFE/RL Radio Azadi	Pashto	12070	Umm al-Rimam KWT	250	070	40E,41NW
				12140	Umm al-Rimam KWT	250	070	40E,41NW
0630-0730	Daily	RFE/RL Radio Azadi	Dari	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	Umm al-Rimam KWT	250	070	40E,41NW
0700-1000	Daily	RFE/RL Mashaal R.	Pashto	12110	Umm al-Rimam KWT	250	078	40E,41NW
				13580	Umm al-Rimam KWT	250	070	40E,41NW
				15765	Udon Thani THA	250	300	40E,41NW
0730-0830	Daily	RFE/RL Radio Azadi	Pashto	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	Umm al-Rimam KWT	250	070	40E,41NW
0830-0930	Daily	RFE/RL Radio Azadi	Dari	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	Umm al-Rimam KWT	250	070	40E,41NW
0930-1030	Daily	RFE/RL Radio Azadi	Pashto	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	Umm al-Rimam KWT	250	070	40E,41NW
1000-1200	Daily	RFE/RL Mashaal R.	Pashto	12110	Umm al-Rimam KWT	250	078	40E,41NW
				15765	Udon Thani THA	250	300	40E,41NW
				17880	Biblis D	100	085	40E,41NW
1030-1130	Daily	RFE/RL Radio Azadi	Dari	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	Umm al-Rimam KWT	250	070	40E,41NW
1130-1230	Daily	RFE/RL Radio Azadi	Pashto	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	Umm al-Rimam KWT	250	070	40E,41NW
1200-1300	Daily	RFE/RL Mashaal R.	Pashto	12110	Umm al-Rimam KWT	250	078	40E,41NW
				15765	Udon Thani THA	250	300	40E,41NW
				17880	Biblis D	100	085	40E,41NW
1230-1330	Daily	RFE/RL Radio Azadi	Dari	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	Umm al-Rimam KWT	250	070	40E,41NW
1300-1400	Daily	VOA Deewa Radio	Pashto	7495	Udon Thani THA	250	304	40E,41NW
				9355	Umm al-Rimam KWT	250	070	40E,41NW
				9370	Udon Thani THA	250	300	40E,41NW
				13590	Dhabbaya UAE	250	045	40E,41NW

1330-1400	Daily	RFE/RL Radio Azadi	Pashto	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	S. Maria di Galeria VAT	250	089	40E,41NW
1400-1430	Daily	RFE/RL Radio Azadi	Dari	12140	Umm al-Rimam KWT	250	070	40E,41NW
				15640	S. Maria di Galeria VAT	250	089	40E,41NW
1400-1500	Daily	VOA Deewa Radio	Pashto	7495	Udon Thani THA	250	304	40E,41NW
				9355	Umm al-Rimam KWT	250	070	40E,41NW
				9370	Udon Thani THA	250	300	40E,41NW
				13590	Umm al-Rimam KWT	250	070	40E,41NW
1430-1500	Daily	VOA Pashto	Pashto	9835	Woofferton G	250	075	40E,41NW
				12075	Umm al-Rimam KWT	250	070	40E,41NW
				12140	Umm al-Rimam KWT	250	070	40E,41NW
1500-1530	Daily	VOA Dari	Dari	9835	Woofferton G	250	075	40E,41NW
				12075	Umm al-Rimam KWT	250	070	40E,41NW
				12140	Umm al-Rimam KWT	250	070	40E,41NW
1500-1600	Daily	VOA Deewa Radio	Pashto	7495	Udon Thani THA	250	300	40E,41NW
				9355	Umm al-Rimam KWT	250	070	40E,41NW
				9370	Udon Thani THA	250	300	40E,41NW
				13590	Lampertheim D	100	080	40E,41NW
1530-1630	Daily	VOA Pashto/Dari	Pashto/Dari	9835	Woofferton G	250	075	40E,41NW
				12075	Umm al-Rimam KWT	250	070	40E,41NW
				12140	Umm al-Rimam KWT	250	070	40E,41NW
1600-1700	Daily	VOA Deewa Radio	Pashto	7495	Biblis D	100	088	40E,41NW
				9355	Umm al-Rimam KWT	250	070	40E,41NW
				9370	Udon Thani THA	250	300	40E,41NW
				13590	Lampertheim D	100	080	40E,41NW
1630-1700	Daily	VOA Pashto	Pashto	9975	Lampertheim D	100	075	40E,41NW
				12075	Udon Thani THA	250	300	40E,41NW
				12140	Umm al-Rimam KWT	250	070	40E,41NW
1700-1730	Daily	VOA Pashto	Pashto	9975	Lamperthiem D	100	075	40E,41NW
				12075	Udon Thani THA	250	300	40E,41NW
				12140	Umm al-Rimam KWT	250	070	40E,41NW
1700-1900	Daily	VOA Deewa Radio	Pashto	7495	Biblis D	100	088	40E,41NW
				7530	Umm al-Rimam KWT	250	070	40E,41NW
				9355	Umm al-Rimam KWT	250	070	40E,41NW
				9370	Udon Thani THA	250	300	40E,41NW

Radio Free Asia

Radio Free Asia operates under a US Congressional mandate to deliver uncensored, domestic news and information to China, Tibet, North Korea, Vietnam, Cambodia, Laos, and Burma, among other places in Asia with poor media environments and few, if any, free speech protections. All broadcasts are solely in local languages and dialects, which include Mandarin, Tibetan, Cantonese, Uighur, Vietnamese, Lao, Khmer, Burmese, and Korean.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
0000-0100	Daily	Lao	9910	Umm al-Rimam KWT	250	090	49E
0030-0130	Daily	Burmese	7340	Dhabbaya UAE	250	090	49W
			7510	Dushanbe TJK	200	125	49W
			15110	Tinian MRA	250	289	49W
			15250	Paochung TWN	250	205	49W
0100-0200	Daily	Tibetan	9665	Dushanbe TJK	250	110	42,43W
			11895	Dushanbe TJK	250	110	42,43W
			11950	Umm al-Rimam KWT	250	070	42,43W
			13765	Saipan MRA	100	300	42,43W
0100-0200	Daily	Uighur	7580	Dushanbe TJK	200	060	42N,43N
			9450	Saipan MRA	100	310	42N,43N
			9700	Umm al-Rimam KWT	250	055	42N,43N
			11530	Tinian MRA	250	313	42N,43N
			12065	Umm al-Rimam KWT	250	058	42N,43N
0200-0300	Daily	Tibetan	9450	Umm al-Rimam KWT	250	078	42,43W
			11540	Tinian MRA	250	296	42,43W
			11895	Saipan MRA	100	300	42,43W
			11950	Umm al-Rimam KWT	250	070	42,43W
			12010	Tinian MRA	250	289	42,43W
0200-0300	Daily	Burmese	15250	Paochung TWN	250	205	49W
0300-0400	Daily	Chinese	11980	Umm al-Rimam KWT	250	070	42-44
			15455	Saipan MRA	100	300	42-44
			17660	Saipan MRA	100	325	42-44

0400-0500	Daily	Chinese	11980	Tinian MRA	250	313	43,44
			15455	Saipan MRA	100	300	42-44
			17660	Saipan MRA	100	325	42-44
0500-0600	Daily	Chinese	11980	Tinian MRA	250	313	43,44
			15455	Saipan MRA	100	300	42-44
			17660	Saipan MRA	100	325	42-44
			21700	Tinian MRA	250	296	42-44
0600-0700	Daily	Chinese	11980	Dushanbe TJK	200	110	42-44
			15455	Saipan MRA	100	300	42-44
			17660	Saipan MRA	100	325	42-44
			17840	Tinian MRA	250	313	42-44
0600-0700	Daily	Tibetan	15255	Dhabbaya UAE	250	075	42,43W
			15665	Dushanbe TJK	200	117	42,43W
			17675	Biblis D	100	085	42,43W
			21480	Tinian MRA	250	296	42,43W
0700-0800	Daily	Burmese	15320	Saipan MRA	100	285	49W
			17815	Tinian MRA	250	289	49W
1000-1100	Daily	Tibetan	9690	Dushanbe TJK	200	125	42,43W
			15665	Tinian MRA	250	289	42,43W
1000-1100	Mon	Tibetan	17830	Tinian MRA	250	296	42,43W
1000-1100	Tue	Tibetan	17580	Tinian MRA	250	296	42,43W
1000-1100	Wed	Tibetan	17815	Tinian MRA	250	296	42,43W
1000-1100	Thu	Tibetan	17820	Tinian MRA	250	296	42,43W
1000-1100	Fri	Tibetan	17840	Tinian MRA	250	296	42,43W
1000-1100	Sat	Tibetan	17660	Tinian MRA	250	296	42,43W
1000-1100	Sun	Tibetan	17730	Tinian MRA	250	296	42,43W
1100-1200	Daily	Lao	13685	Tinian MRA	250	272	49E
1100-1200	Daily	Tibetan	9305	Dushanbe TJK	200	125	42,43W
			12050	Umm al-Rimam KWT	250	070	42,43W
			15745	Tinian MRA	250	289	42,43W
1130-1200	Mon-Fri	Burmese	12030	Tinang PHL	250	283	49W
			12125	Udon Thani THA	250	304	49W
			15715	Udon Thani THA	250	300	49W
			9305	Dushanbe TJK	200	125	42,43W
1200-1230	Daily	Tibetan	11935	Tinian MRA	250	280	42,43W
			12050	Umm al-Rimam KWT	250	070	42,43W
			13830	Dushanbe TJK	250	110	42,43W
			15745	Tinian MRA	250	289	42,43W
			9700	Paochung TWN	300	002	44NE
1230-1300	Daily	Korean	9305	Dushanbe TJK	200	125	42,43W
			11935	Saipan MRA	100	310	42,43W
			12050	Umm al-Rimam KWT	250	070	42,43W
			13830	Dushanbe TJK	250	110	42,43W
			15745	Tinian MRA	250	313	42,43W
1230-1300	Daily	Khmer	9390	Saipan MRA	100	310	49E
			15155	Tinian MRA	250	272	49E
1230-1330	Daily	Burmese	11795	Saipan MRA	100	270	49W
			15120	Umm al-Rimam KWT	250	094	49W
			15135	Dhabbaya UAE	250	090	49W
1300-1400	Daily	Korean	9460	Paochung TWN	300	002	44NE
1300-1400	Daily	Tibetan	9305	Dushanbe TJK	200	125	42,43W
			11855	Saipan MRA	100	310	42,43W
			13650	Umm al-Rimam KWT	250	070	42,43W
			13830	Dushanbe TJK	250	110	42,43W
			15745	Dushanbe TJK	200	110	42,43W
1300-1330	Daily	Khmer	9390	Tinang PHL	250	270	49W
			15155	Tinang PHL	250	270	49W
1330-1400	Daily	Burmese	11795	Umm al-Rimam KWT	250	094	49W
			12055	Tinian MRA	250	289	49W
			13750	Tinian MRA	250	280	49W
1400-1430	Daily	Burmese	11795	Umm al-Rimam KWT	250	094	49W
			12055	Tinian MRA	250	280	49W
1400-1500	Daily	Cantonese	9390	Tinian MRA	250	313	44S
1430-1500	Daily	Khmer	9720	Saipan MRA	100	270	49E
			11750	Tinian MRA	250	272	49E

1500-1600	Daily	Tibetan	9315	Dushanbe TJK	200	125	42,43W
			11805	Umm al-Rimam KWT	250	070	42,43W
			12125	Tinian MRA	250	296	42,43W
1500-1600	Daily	Chinese	7540	Dushanbe TJK	250	110	42-44
			9790	Saipan MRA	100	300	43,44
			11590	Umm al-Rimam KWT	250	070	43,44
			11725	Umm al-Rimam KWT	250	070	43,44
			11765	Umm al-Rimam KWT	250	070	43,44
1500-1700	Daily	Korean	9985	Saipan MRA	100	325	44NE
			11510	Tinian MRA	250	329	44NE
			11550	Saipan MRA	100	325	44NE
1600-1700	Daily	Chinese	9315	Tinian MRA	250	313	42-44
			11590	Tinian MRA	250	296	43,44
1600-1700	M/W/F	Chinese	9455	Saipan MRA	100	300	43,44
1600-1700	Tue/Thu	Chinese	9720	Saipan MRA	100	300	43,44
1600-1700	Sat/Sun	Chinese	9900	Saipan MRA	100	300	43,44
1600-1700	Daily	Uighur	7545	Dushanbe TJK	200	060	42N,43N
			7560	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Mon	Uighur	11800	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Tue/Sun	Uighur	11775	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Wed	Uighur	11805	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Thu	Uighur	11780	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Fri	Uighur	11885	Umm al-Rimam KWT	250	058	42N,43N
1600-1700	Sat	Uighur	11890	Umm al-Rimam KWT	250	058	42N,43N
1630-1730	Daily	Burmese	9335	Tinang PHL	250	270	49
1730-1800	Daily	Burmese	9335	Udon Thani THA	250	300	49
1700-1900	Daily	Chinese	9950	Saipan MRA	100	300	43,44
			11590	Tinian MRA	250	296	43,44
			9985	Saipan MRA	100	325	44NE
1700-1900	Daily	Korean	11550	Saipan MRA	100	325	44NE
			9985	Saipan MRA	100	325	44NE
1900-2000	Daily	Chinese	5890	Umm al-Rimam KWT	250	070	42-44
			7520	Umm al-Rimam KWT	250	078	42-44
			9455	Saipan MRA	100	300	43,44
			9860	Saipan MRA	100	310	43,44
2000-2100	Daily	Chinese	5890	Umm al-Rimam KWT	250	070	42-44
			7520	Umm al-Rimam KWT	250	078	42-44
			9410	Saipan MRA	100	300	43,44
			9455	Saipan MRA	100	310	43,44
			11525	Tinian MRA	250	313	43,44
2100-2200	Daily	Chinese	7520	Umm al-Rimam KWT	250	070	42-44
			9410	Saipan MRA	100	300	43,44
			9455	Umm al-Rimam KWT	250	078	42-44
2100-2200	Daily	Korean	9940	Tinian MRA	250	329	44NE
			9985	Saipan MRA	100	325	44NE
			11945	Saipan MRA	100	325	44NE
2200-2300	Daily	Tibetan	7480	Umm al-Rimam KWT	250	070	42,43W
			9790	Umm al-Rimam KWT	250	078	42,43W
			12050	Tinian MRA	250	289	42,43W
2230-2330	Daily	Khmer	9390	Saipan MRA	100	270	49E
			11850	Tinian MRA	250	272	49E
2300-0000	Daily	Tibetan	5875	Dushanbe TJK	200	110	42,43W
			7470	Dushanbe TJK	250	110	42,43W
			7540	Umm al-Rimam KWT	250	070	42,43W
			9910	Umm al-Rimam KWT	250	078	42,43W
2300-0000	Daily	Chinese	9860	Tinian MRA	250	313	42-44
			11525	Tinian MRA	250	313	43,44
			11775	Saipan MRA	100	310	43,44

Radio Martí

The Office of Cuba Broadcasting (OCB) oversees Radio and Television Martí at its headquarters in Miami, Florida, providing news, information and analysis to the people of Cuba.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
0000-0200	Daily	Spanish	6125	Greenville NC	250	174	11
			7375	Greenville NC	250	183	11
			7435	Greenville NC	250	184	11
			9565	Greenville NC	250	164	11
0200-0500	Daily	Spanish	6030	Greenville NC	250	205	11
			6125	Greenville NC	250	174	11 (Tue-Sat only)
			7365	Greenville NC	250	183	11
			7435	Greenville NC	250	225	11
0400-0500	Daily	Spanish	6030	Greenville NC	250	205	11
			7365	Greenville NC	250	183	11
			7435	Greenville NC	250	225	11
1100-1200	Daily	Spanish	5980	Greenville NC	250	172	11
			6030	Greenville NC	250	205	11
			7355	Greenville NC	250	183	11
1200-1300	Daily	Spanish	5980	Greenville NC	250	190	11
			6030	Greenville NC	250	205	11
			7355	Greenville NC	250	183	11
1300-1400	Daily	Spanish	5980	Greenville NC	250	190	11
			7355	Greenville NC	250	183	11
			7435	Greenville NC	250	205	11
1400-1500	Daily	Spanish	7355	Greenville NC	250	183	11
			7435	Greenville NC	250	205	11
			11930	Greenville NC	250	184	11
1500-2100	Daily	Spanish	11860	Greenville NC	250	183	11
			11930	Greenville NC	250	184	11
			13820	Greenville NC	250	184	11
2100-2230	Daily	Spanish	9565	Greenville NC	250	164	11
			11860	Greenville NC	250	183	11
			11930	Greenville NC	250	184	11
2230-2300	Daily	Spanish	9565	Greenville NC	250	164	11
			11930	Greenville NC	250	184	11
2300-0000	Daily	Spanish	6125	Greenville NC	250	174	11 (Mon-Fri only)
			7355	Greenville NC	250	183	11
			7375	Greenville NC	250	184	11
			9565	Greenville NC	250	164	11

Some frequencies may be on extended schedule at certain times.

The DRM service that has been on 7345 kHz (50 kW) appears to be off-air.

From www.radiotelevisionmarti.com: The purpose of Radio Televisión Martí is today the same as it was on the day it was founded 35 years ago: to provide the Cuban people with news and information without the censorship of the regime.

Our mandate, since the enactment in 1983 of the law that founded Radio Martí, is to serve as a reliable and authorized source of accurate, balanced and complete information for the Cuban people.



In a closed society where all the media continue to be controlled by the State, Radio Martí, Televisión Martí and radiotelevisionmarti.com focus on essentially covering the Cuban issue with an alternative vision that breaks censorship.

Our credibility is based on three decades of uninterrupted communication with the Cuban people, and on having been for years the only window to the world outside the ruling party. The programming of Radio Televisión Martí has reported news censored or manipulated by the official media, has fostered discussion and entrepreneurship, has supported the creation of opportunities within civil society, has united the Cuban people inside and outside the island, and for a long time it was the only platform for dissent.

The mission of Radio Televisión Martí will continue until all Cubans can enjoy the protection of article 19 of the Universal Declaration of Human Rights: "Every individual has the right to freedom of opinion and expression; this right includes not being disturbed because of their opinions, to investigate and receive information, and to disseminate them, without limitation of borders, by any means of expression".

Shortwave transmissions from Greenville NC

Edward R. Murrow Transmitting Station

The Edward R. Murrow Transmitting Station at Greenville, North Carolina (Site B) is the last remaining shortwave transmitter site used by the Voice of America that is located in the United States. As well as VOA, it is also used by Radio Martí and also currently relays Vatican Radio and KBS World Radio (for convenience the VOA and Radio Martí transmissions from Greenville already mentioned above have been repeated here).

<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>Area</i>
0000-0200	Daily	Radio Martí	Spanish	6125	250	174	11	Cuba
				7375	250	183	11	Cuba
				7435	250	184	11	Cuba
				9565	250	164	11	Cuba
0100-0130	Daily	Vatican Radio	Portuguese	7305	250	160	12NE,12S,13W,15NW	South America
0100-0200	Daily	KBS World Radio	Spanish	11880	250	176	12,14	South America
0130-020	Daily	Vatican Radio	Spanish	7305	250	176	11NW,11S	Central America
0200-050	Daily	Radio Martí	Spanish	6030	250	205	11	Cuba
				6125	250	174	11	(Tue-Sat only)
				7365	250	183	11	Cuba
				7435	250	225	11	Cuba
0400-0500	Daily	Radio Martí	Spanish	6030	250	205	11	Cuba
				7365	250	183	11	Cuba
				7435	250	225	11	Cuba
1100-1200	Daily	Radio Martí	Spanish	5980	250	172	11	Cuba
				6030	250	205	11	Cuba
				7355	250	183	11	Cuba
1200-1300	Daily	Radio Martí	Spanish	5980	250	190	11	Cuba
				6030	250	205	11	Cuba
				7355	250	183	11	Cuba
1230-1245	Daily	Vatican Radio	Spanish	7305	250	176	11NW,11S	Central America
1300-1400	Daily	Radio Martí	Spanish	5980	250	190	11	Cuba
				7355	250	183	11	Cuba
				7435	250	205	11	Cuba
1400-1500	Daily	Radio Martí	Spanish	7355	250	183	11	Cuba
				7435	250	205	11	Cuba
				11930	250	184	11	Cuba
1500-2100	Daily	Radio Martí	Spanish	11860	250	183	11	Cuba
				11930	250	184	11	Cuba
				13820	250	184	11	Cuba
1700-1800	Daily	Voice of America	Portuguese	17655	250	094	46W,47S,52,53W	Africa
1800-1830	Mon-Fri	Voice of America	Portuguese	17655	250	094	46W,47S,52,53W	Africa
1900-2000	Daily	Voice of America	French	17700	250	094	37-38,46-47	Africa
1930-2030	Daily	Voice of America	French	15730	250	094	46-48,52,53	Africa
2100-2200	Daily	Voice of America	English	11720	250	091	46,47,52	Africa
2100-2230	Daily	Radio Martí	Spanish	9565	250	164	11	Cuba
				11860	250	183	11	Cuba
				11930	250	184	11	Cuba
				11930	250	184	11	Cuba
2230-2300	Daily	Radio Martí	Spanish	9565	250	164	11	Cuba
				11930	250	184	11	Cuba
				11930	250	184	11	Cuba
2300-0000	Daily	Radio Martí	Spanish	6125	250	174	11	(Mon-Fri only)
				7355	250	183	11	Cuba
				7375	250	184	11	Cuba
				9565	250	164	11	Cuba



Private U.S. Shortwave Stations

There are currently 12 private U.S. shortwave stations either active or temporarily off-air. Most either relay international broadcasters or air programming from groups or individuals, particularly religious content. These stations in call-sign order are as follows (see further below for times and frequencies of each station):

Station	Freqs currently in use
KVOH Rancho Simi, California	9975 kHz
WBCQ Monticello, Maine	3265 4790 6160 7490 9330 kHz
WEWN Irondale, Alabama	5970 9385 12050 15610 kHz
WHRI Furman, South Carolina	not currently on air
WINB Red Lion, Pennsylvania	9265 kHz and in DRM on 9265 & 15750 kHz
WJHR Milton, Florida	15550 kHz
WMLK Bethel, Pennsylvania	not currently on air
WRMI Okeechobee, Florida	5010 5800 5850 5950 5985 7570 7730 7780 9395 9455 9955 15770 21525 kHz
WRNO New Orleans, Louisiana	7505 kHz
WTWW Lebanon, Tennessee	5085 5830 9475 9930 9940 15810 kHz
WWCR Nashville, Tennessee	3215 4840 5890 5935 6115 7490 7520 9350 9980 12160 13845 15825 kHz
WWRB Morrison, Tennessee	currently off-air

KVOH - Voice of Hope / La Voz de Esperanza - Americas

KVOH or the "Voice of Hope", is a non-commercial, Christian/Gospel radio station located in Rancho Simi, California, though their studios are in Los Angeles, which they claim as their home city.

Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area
0200-0700	Tue-Sun	9975	Rancho Simi CA	100	100	10-12	Americas

Note: details of KVOH programming can be found on their [website](#).

WBCQ - The Planet

WBCQ is a shortwave radio station operating at Monticello, Maine. The station is owned and operated by Allan Weiner, who also owns and operates WXME AM 780 kHz and WBCQ-FM 94.7 MHz at the shortwave site. The station airs talk shows and other programmes produced by commercial networks as well as former pirate radio broadcasters, including Weiner himself.

Service	Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area/notes
WBCQ-1	1700-0430	Daily	7490	Monticello ME	50	245	3-5,9-11	North & Central America
WBCQ-2	24 hours	Daily	3265	Monticello ME	50	245	3-5,9-11	not currently heard on this freq
WBCQ-3	24 hours	Daily	4790	Monticello ME	50	245	3-5,9-11	North & Central America
WBCQ-4	24 hours	Daily	6160	Monticello ME	50	245	3-5,9-11	North & Central America
WBCQ-6	24 hours	Daily	9330	Monticello ME	250/500	var.	see WLCR schedule below	

Note: At present WBCQ-2 and WBCQ-3 are used exclusively by the Overcomer Ministry, whilst WBCQ-6 is used exclusively by World's Last Chance Radio. Details of WBCQ programming can be found on their [website](#).

WEWN - EWTN Global Catholic Network

WEWN is the shortwave radio outlet of the EWTN, a large Catholic international broadcaster based in Irondale, Alabama. It was launched by Mother Angelica on December 28, 1992. WEWN broadcasts from the city of Vandiver, Alabama, in the vicinity of the Birmingham metro area. There are four transmitters capable of 500 kilowatts each, but are run no higher than 250 kW. The station currently transmits English programming to Africa, Southeast Asia, the Middle East and Europe, and Spanish programming to South America, the Caribbean, Mexico and Central America. Programming is similar to that of the network's television channel.

WEWN-1

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area/notes
0000-0900	Daily	English	9385	Vandiver AL	250	085	46,47	West & Central Africa
0900-1300	Daily	English	9470	Vandiver AL	250	085	43,44	East Asia
1900-0000	Daily	English	15610	Vandiver AL	250	355	46,47	<i>currently inactive at this time</i>

WEWN-2

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area/notes
1400-0000	Daily	Spanish	12050	Vandiver AL	100	155	11,15	Central & South America

WEWN-3

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area/notes
0000-1400	Daily	Spanish	5970	Vandiver AL	100	160	11,15	Central & South America

Note: details of EWTN programming can be found on their [website](#).

WHRI - World Harvest Radio

World Harvest Radio International (WHRI) was a shortwave radio station in the United States, broadcasting conservative religious programming worldwide in the English language on a number of frequencies. Part of the Family Broadcasting Corporation Christian broadcasting group.

In August 2020, it was announced that WHRI was selling its facilities at Cypress Creek, South Carolina, to Allen Weiner, owner of Monticello, Maine-based shortwave station WBCQ, pending FCC approval. However, he later said his purchase agreement had expired in August citing FCC delaying tactics.

Latest from NASB Facebook page, 23 September 2021

Family Broadcasting Corporation, owner of WHRI shortwave in Cypress Creek, South Carolina, has informed us that WHRI is for sale. The station has two ABB 500-kilowatt transmitters and one Harris SW-100B 100-kilowatt transmitter, as well as six curtain array antennas.

Here are the technical details:

Transmitters:

- (2) ABB SK-55 500 kW
- (1) Harris SW-100B 100 kW

Antennas:

- TCI 4/4/1 High/Low Band Curtains 152 degrees, slews -30/-15/0/+15/+30
 - TCI 2/2/.5 High/Low Band Curtains 188 degrees, slews -15/0/+15
 - TCI 2/2/.5 High/Low Band Curtains 245 degrees, slews -15/0/+15
 - TCI 2/2/.5 High/Low Band Curtains 315 degrees
 - TCI 2/2/.5 High/Low Band Curtains 25 degrees
 - Thomcast 4/4/1 High/Low Band Curtains 72 degrees, slews -25/-13/0/+13/+25
- Split Feeds (One transmitter feeding two antennas):
- Split 1: 25 degree and 188 antenna
 - Split 2: 315 degree and 245 antenna

The asking price is \$1.5 million, which includes the 380 acres of land at the site. For more information, contact:

Tony Agostino
Family Broadcasting Corporation (FBC)
Email: tagostino@familybroadcastingcorporation.com
Fax: (574) 299-4050
Office: (574) 291-8200

(National Association of Shortwave Broadcasters Facebook page, 23 Sept 2021 via Alan Pennington, BDXC iog)

WINB Shortwave - World International Broadcasters

WINB is a brokered Christian shortwave radio station licensed to Red Lion, Pennsylvania. WINB began broadcasting in October 1962, making it the oldest private shortwave radio station in the United States that is still in operation.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0400-0500	Mon-Sat	English	9265	Red Lion PA	50	242	10,11	Central America, Caribbean
0500-0700	Mon-Fri	English	9265	Red Lion PA	50	242	10,11	Central America, Caribbean
0700-1030	Mon-Fri	English	7380	Red Lion PA	15	062	27,37,38	Europe (Hybrid DRM)
1000-1700	Sat/Sun	English	9265	Red Lion PA	50	242	10,11	Central America & Caribbean
1030-1200	Mon-Fri	English	9265	Red Lion PA	15	062	27,37,38	Europe (Hybrid DRM)
1200-1700	Mon-Fri	English	15750	Red Lion PA	15	062	27,37,38	Europe (Hybrid DRM)
1700-0400	Daily	English	9265	Red Lion PA	50	242	10,11	Central America & Caribbean

Note: some programmes may be in Spanish; details of WINB programming can be found on their [website](#).



WJHR Radio International

WJHR is a Christian radio station in Milton, Florida.

<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>Area</i>
1400-2200	irregular	English	15555-usb	Milton FL	50	005	4	North America

Note: when active is reported to be on low power

WMLK Radio

WMLK Radio is owned by the Assemblies of Yahweh. WMLK takes its name from MLK, representing the consonants of the Hebrew word "malak", meaning a "messenger" or angel. WMLK Radio has been off air since a fire in 2017. However, a message on the station's website indicated that they intended to be back on air by the end of October 2021 (but still not back by 28 November 2021). Further details can be found at wmlkradio.net.

WRMI - Radio Miami International

WRMI (Radio Miami International) broadcasts from Okeechobee, Florida, United States. WRMI is a commercial radio station that sells airtime to businesses and organisations. It relays several international broadcasters, some religious stations, as well as original and syndicated programmes.

<i>Service</i>	<i>Time/UTC</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
WRMI-01	1400-0400	7780	Okeechobee FL	100	044	9,17,18,27-28	North America, Europe
WRMI-02	0330-0600	5985	Okeechobee FL	100	222	10-12	Central America
WRMI-03	24 hours	9955	Okeechobee FL	100	160	11-16	Central/South America
WRMI-04	0000-1100	4980	Okeechobee FL	100	160	11-16	Central/South America
WRMI-05	24 hours	9455	Okeechobee FL	100	285	10	Central America
WRMI-06	24 hours	9395	Okeechobee FL	100	355	3,4,9	North America
WRMI-07	1400-2100	21525	Okeechobee FL	100	087	36,46,47,52	Africa
WRMI-08	24 hours	5950	Okeechobee FL	100	355	3,4,9	North America
WRMI-09	1100-0200	15770	Okeechobee FL	100	044	9,17,18,27-28	North America, Europe
WRMI-10	24 hours	5800	Okeechobee FL	100	160	11-16	Central/South America
WRMI-11	2300-1400(1700sa/su)	7570	Okeechobee FL	100	315	2,3	North America
WRMI-12	2200-1400(1700sa/su)	5850	Okeechobee FL	100	315	2,3	North America
WRMI-13	0000-1100	7730	Okeechobee FL	100	285	10-12	Central /South America
WRMI-14	1100-1400(1700sa/su)	5010	Okeechobee FL	100	181	10-12	Central/South America
	2100-0300	5010	Okeechobee FL	100	181	10-12	Central/South America

Note: Some transmissions are not daily; details of WRMI's latest programming can be found on their [website](http://www.wrmi.com).

Monitored WRMI Sunday Evening / Monday Morning (UTC) 7780 kHz Schedule

Richard Langley regularly monitors WRMI on a weekly basis and posts his findings to the WOR iog. Here are Richard's observations for **Sunday evening, 19-20 December 2021 UTC**:

2000 His Prayer for You
2015 Moments of Inspiration
2030 Bruised But Not Broken Ministry
2045 Religious program from the British Israel World Federation
2100 Voice of the Report of the Week (mostly another archive show)
2200 Radio Taiwan International in Spanish
2230 Radio Tirana in English (News, Press Review, music, Profile: About Albanian tenor Gaqo Çako; included him singing RT's signature tune "Këputa një gjethe dafine"; repeat feature?)
2300 Radio Prague International in French (Dimanche Musicale; vocal classical Christmas music with instrumental accompaniment)
2330 Shortwave Radiogram (#235)
0000 Radio Slovakia International in Slovak
0030 Radio Slovakia International in English (4th Sunday of Advent pre-Christmas talk and music and included discussion of reports/questions from WoR reporters Richard Lemke and Alan Roe)
0100 Searching His Word from Alameda Bible Fellowship (actual human recording advocating leaving established churches; same program as past couple of months)
0130 Oldies (not Mike's Vintage Gospel)
0145 Oldies (not Mike's Vintage Gospel)
0200 Frank and Ernest
0215 La Nueva Vida Ahora (new show in this time slot; no longer international filler music)
0230 Frecuencia al Dia
0300 Oldies (with a BBB ID giving 9395 kHz frequency)
0330 Radio Slovakia International in English (as above; WRMI ID by BBB giving 9395 kHz frequency; few minutes of filler music)
0400 Transmitter shutdown in mid-ID (Richard Langley, WOR iog)

WRNO Worldwide

WRNO (also known as WRNO Worldwide) is a commercial shortwave radio station which began international broadcasting on 18 February 1982 and continued regular broadcasting through the early 1990s from Metairie, Louisiana, with a continuation of periodic broadcasts starting in 2009. The WRNO call letters are still in use by the New Orleans station WRNO-FM; both were founded and originally owned by Joseph Costello III.

Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area
2200-0400	Daily	7505	New Orleans LA	50	020	3-5,9-11,17	North & Central america, Caribbean

Note: As well as English, programmes have also been reported in other languages such as Hindi and Chinese.

WTWW

WTWW is a shortwave station located in Lebanon, Tennessee. WTWW, according to their website, stands for "We Transmit World Wide". Two transmitters have been recently operational, one carrying religious programming from Scriptures for America on 5850 kHz and the other as an oldies station (with ham radio content as well) on 5085 kHz. In addition, Glenn Hauser reported 9940 kHz active on 30 May 2021. Owing to the highly variable nature of WTWW's operations, the HFCC registrations as per B21 have been listed below but not all frequencies will be in use for the full duration, if at all.

Transmitter site: Lebanon, Tennessee - 1 x 50 kW, 2 x 100 kW.

Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area
0000-1400	Daily	5085	Lebanon TN	100	180	11-15	Central & South America
0000-1400	Daily	5830	Lebanon TN	100	180	4,9,18,27,28,37-39,46,47	North America, Europe, Africa
24 hours	Daily	9940	Lebanon TN	100	050	4,9,18	North America
24 hours	Daily	15810	Lebanon TN	100	040	4,9,18	North America
1400-0200	Daily	9475	Lebanon TN	100	050	4,9,18	North America
1400-0000	Daily	5085	Lebanon TN	100	180	11-15	Central & South America
1400-0000	Daily	9930	Lebanon TN	100	180	11-15	Central & America

Note: details of WTWW programming can be found on their [website](#).



WWCR Shortwave

WWCR is a shortwave radio station located in Nashville, Tennessee. WWCR uses four 100 kW transmitters to broadcast on several frequencies. WWCR mainly leases out its transmitters to religious organisations and speakers, as well as serving as the shortwave home of Genesis Communications Network's programmes. However, it does air a few hours of original programming per week. F.W. Robbert Broadcasting also owns the AM stations WNQM in Nashville, WMQM and WLRM in Memphis, WITA in Knoxville, and WVOG in New Orleans. Some of WWCR's programming is also broadcast on these local stations.

WWCR-1

Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area
0200-1200	Daily	3215	Nashville TN	100	046	4,9,27,37-39	North America, Europe, N Africa, M East
1200-2200	Daily	15825	Nashville TN	100	046	4,9,27,37-39	North America, Europe, N Africa, M East
2200-0200	Daily	6115	Nashville TN	100	040	4,9,27-29	North America, Europe

WWCR-2

Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area
2300-1300	Daily	5935	Nashville TN	100	085	36-38,46-48,57	Africa
1300-1600	Daily	7490	Nashville TN	100	085	36-38,46-48,57	Africa
1600-2100	Daily	12160	Nashville TN	100	085	36-38,46-38,57	Africa
2100-2300	Daily	9350	Nashville TN	100	085	36-38,46-38,57	Africa

WWCR-3

Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area
0100-1300	Daily	4840	Nashville TN	100	040	4,9,27-29	North America, Europe
1300-0100	Daily	13845	Nashville TN	100	040	4,9,27-29	North America, Europe

WWCR-4

Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area
0000-0300	Daily	7520	Nashville TN	100	090	9,11,47,52,53	North & Central America, Africa
0300-1300	Daily	5890	Nashville TN	100	090	9,11,47,52,53	North & Central America, Africa
1300-0000	Daily	9980	Nashville TN	100	090	9,11,47,52,53	North & Central America, Africa

Note: details of WWCR programming can be found on their [website](#).

WWRB

WWRB is a shortwave international broadcasting station known as both "World Wide Religious Broadcasting" and (to a lesser extent) "World Wide Radio Broadcasting" broadcasting from Morrison, Tennessee. It is a subsidiary of Airline Transport Communications Incorporated. The station features primarily Christian religious programming. WWRB is unusual among shortwave broadcast stations in that it does not utilise radio airtime brokers for selling airtime, instead preferring to directly rent time to clients.

Days/Time (UTC)	kHz	Transmitter site	kW	Az.	CIRAF	Area
Sat 0000 to Sun 0500	check 3215/3360/5050	Morrison TN	100	045	4,5,9	North America
Sun 0000 to Mon 0500	check 3215/3360/5050	Morrison TN	100	045	4,5,9	North America

Note: at the time of editing the status of WWRB is unclear. It appears not to have been reported since 26 December 2021, which is when Glenn Hauser last heard them, and the website cannot be accessed either. Unconfirmed reports say that owner Dave Franz has passed away.

Selected U.S. produced programmes aired on shortwave (religious)

The Overcomer Ministry (Brother Stair)

The Overcomer Ministry website explains "From a small farm in the state of South Carolina in the United States of America, Brother Stair trumpets the message of the soon return of the Lord Jesus Christ. It is from his radio room that the Last Day Prophet of God is reaching every nation of the world. One message he has preached faithfully for over forty years and that is ... "Jesus Christ is Coming in your Lifetime. This is the Last Generation, The Last Hour. Prepare to Meet your God!". Ralph Gordon Stair (3 May 1933-3 April 2021), also known as Brother R. G. Stair, or simply Brother Stair, was an American radio evangelist based in Walterboro, South Carolina. Despite his death, the ministry continues to buy airtime on several transmitters to air past programmes recorded by Brother Stair. This is the schedule believed to be in operation at the time of editing, but which may change at any time.

kHz	Station/Transmitter site	kW	Az	CIRAF	Schedule (UTC)
3215	WWCR Nashville TN	100	046	4,9,27,37-39	0200-0300 Sun 0500-0600 Mon-Fri 0600-1200 Daily
3955	Channel 292, Rohrbach, Germany	10	ND	18,27,28	various times
4790	WBCQ Monticello ME	50	245	3-5,9-11	24 hours
4840	WWCR Nashville TN	100	040	4,9,27-29	0500-0600 Mon 0700-1000 Mon-Fri 1000-1100 Mon-Sat 1100-1200 Sat
4980	WRMI Okeechobee FL	100	160	11-16	0000-1100 Daily
5010	WRMI Okeechobee FL	100	181	10-12	1230-1400 Daily 1400-1700 Sat/Sun 2100-2300 Daily
5800	WRMI Okeechobee FL	100	160	11-16	0500-2200 Daily
5850	WRMI Okeechobee FL	100	315	2,3	0300-0800 Daily 0900-1000 Daily 1100-1300 Daily 1400-1700 Sat/Sun
5890	WWCR Nashville TN	100	090	9,11,47,52,53	0300-0500 Sun/Mon 0500-1300 Daily
5900	Kostinbrod, Bulgaria	50	306	27,28,29,38	2005-0500 Daily
5935	WWCR Nashville TN	100	085	36-38,46-48,57	2300-0000 Mon-Fri
5950	WRMI Okeechobee FL	100	285	10	0000-0300 Sun/Mon 0300-0400 Fri-Sun/Tue/Wed 0400-0500 Sun/Mon 0500-2200 Daily
6070	Channel 292, Rohrbach, Germany	10	ND	18,27,28	various times
6115	WWCR Nashville TN	100	046	4,9	2300-0000 Mon-Fri
6160	WBCQ Monticello ME	50	245	3-5,9-11	0500-2300 Daily 2300-0000 Mon-Sat
7490	WBCQ Monticello ME	50	245	3-5,9-11	0200-0300 Mon 0300-0400 Mon-Sat 0400-0430 Mon 1700-2000 Daily 2000-2100 Mon/Wed-Sun 2100-0000 Sat
7490	WWCR Nashville TN	100	085	36-38,46-48,57	1500-1600 Sun
7520	WWCR Nashville TN	100	090	9,11,47,52,53	0000-0300 Daily
7570	WRMI Okeechobee FL	100	315	2,3	2300-1400 Daily 1400-1700 Sat/Sun

7730	WRMI Okeechobee FL	100	285	10-12	0100-1100 Daily
7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	0300-0400 Daily 1400-1500 Daily 1700-2000 Daily
9265	WINB Red Lion PA	50	242	10,11	0000-0030 Fri/Sun 0030-0100 Sun 0500-0700 Mon-Fri 1000-1200 Sat/Sun 1200-1500 Sat 1700-2000 Mon-Fri 2200-2300 Mon/Tue 2300-2330 Mon/Tue/Thu/Fri 2330-0000 Thu/Fri
9350	WWCR Nashville TN	100	085	36-38,46-48,57	2100-2300 Sat
9395	WRMI Okeechobee FL	100	355	3,4,9	0400-0700 Daily 1000-2000 Daily
9400	Kostinbrod, Bulgaria	50 100	090 030	39,40 28	0500-0800 Daily 1500-1600 Mon-Sat 1600-1940 Daily
9455	WRMI Okeechobee FL	100	355	3,4,9	0800-0900 Daily 1100-0000 Daily
9670	Channel 292, Rohrbach, Germany	10	ND	18,27,28	various times
9955	WRMI Okeechobee FL	100	160	11-16	0500-1100 Daily 1200-1300 Mon-Fri 1600-1700 Daily
9980	WWCR Nashville TN	100	090	9,11,47,52,53	1300-2100 Daily 2100-2200 Mon-Fri 2200-0000 Daily
11600	Kostinbrod, Bulgaria	100	306	27,28,39	0500-0800 Daily 1600-1700 Daily
12160	WWCR Nashville TN	100	085	36-38,46-48,57	1800-1900 Sun 1900-2100 Sat
13700	Kostinbrod, Bulgaria	50	126	39,40	1400-1500 Daily
13800	Kostinbrod, Bulgaria	100	195	38,39,47E,48	0500-0800 Daily
13845	WWCR Nashville TN	100	040	4,9,27-29	1400-1500 Sat 1500-2000 Mon-Sat
15770	WRMI Okeechobee FL	100	044	9,17,18,27,28	2200-0200 Daily 1200-1300 Daily
15825	WWCR Nashville TN	100	046	4,9,27,37-39	1800-1900 Mon-Fri

Acknowledging Ivo Ivanov for updates to the Overcomer Ministry shortwave schedule in his Bulgarian DX blog.

Overcomer via Channel 292 (3955, 6070, 9670 kHz): Channel 292's Newsletter informs us: As you know, we don't run our transmitters only for booked programmes, but the remaining about 440 hours per week we fill with own program and music. More than 33 €-cents per kWh results in expensive costs for energy, and additionally costs for technics, fees, etc. Therefore we are happy, even if not anybody might like it, that starting tomorrow, 16 August, once again we can fill the non booked hours with programme of Overcomer Ministry, because this will keep our station on air for some time. If you want to support Radio Channel 292 without having to pay anything, you can do this by sending as many reception reports as possible for this program to: lastime@overcomerministry.org Every report helps to keep our station on air! (via Alan Pennington, Allen Dean, BDXC Communication - September 2021)



University Network

William Eugene Scott (14 August 1929-21 February 2005) was an American pastor and teacher who served for almost 50 years as an ordained minister and broadcaster in Los Angeles, California. In 1975, Scott began a series of broadcasts which resulted in the creation of the University Network. By 1983, this network was broadcasting his sermons 24 hours a day via satellite to the United States and Canada, as well as to much of Mexico and the Caribbean. By 1990, his network was available to 180 countries, and by 1992 his sermons were being broadcast in several languages on AM, FM and shortwave radio. Drawing from nearly 30 years of recorded programming, Scott's radio, satellite and television ministry continues to be broadcast, although on different stations and at different times. Melissa Scott, his second wife from August 2000 until his death, is the successor of his ministry and present pastor of Faith Center and C.E.O. and President of the University Network.

<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>Area</i>
0100-1300	Daily	English	5935	WWCR Nashville TN	100	085	36-38,46-48,57	Africa
1800-2000	Sun	English	13845	WWCR Nashville TN	100	040	4,9,27-29	North America, Europe
2000-2100	Sat/Sun	English	13845	WWCR Nashville TN	100	040	4,9,27-29	North America, Europe
2100-0100	Daily	English	13845	WWCR Nashville TN	100	040	4,9,27-29	North America, Europe

Shortwave transmitters were installed in 1991 at Caribbean Beacon in Anguilla by Dr Gene Scott, who bought the station in 1996 (then operating with two mediumwave transmitters) for his University Network operation. Caribbean Beacon in Anguilla has been inactive since the devastating hurricanes that swept through the region in 2017. Stig Hartvig Nielsen commented on the MWC iog "The Caribbean Beacon (FM, MW, SW) is closed and has stopped broadcasting - according to the government authorities of Anguilla. So I suppose – not just “currently inactive” - but rather: "gone for good".

WLC Radio

WLC (World's Last Chance) is developing a series of "pertinent End-Time messages" that are broadcast worldwide.

<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>
0100-0300	Daily	English	9330	WBCQ Monticello ME	250	280	West Coast of North America
0300-0600	Daily	English	9330	WBCQ Monticello ME	250	250	Central North America
0600-0900	Daily	English	9330	WBCQ Monticello ME	250	225	East Coast of North America
0900-1000	Daily	French	9330	WBCQ Monticello ME	500	190	Caribbean
1000-1100	Daily	Spanish	9330	WBCQ Monticello ME	500	190	Caribbean
1100-1200	Daily	Spanish	9330	WBCQ Monticello ME	500	190	Northern South America
1200-1400	Daily	Spanish	9330	WBCQ Monticello ME	500	220	Central America
1400-1700	Daily	English	9330	WBCQ Monticello ME	250	256	West Coast North America
1700-1800	Daily	German	9330	WBCQ Monticello ME	500	057	Germany
1800-1900	Daily	French	9330	WBCQ Monticello ME	500	057	France
1900-2000	Daily	English	9330	WBCQ Monticello ME	500	057	British Isles
2000-2100	Daily	English	9330	WBCQ Monticello ME	500	110	West Africa
2100-2200	Daily	French	9330	WBCQ Monticello ME	500	110	West Africa
2200-2300	Daily	Spanish	9330	WBCQ Monticello ME	500	190	Northern South America
2300-0100	Daily	Portuguese	9330	WBCQ Monticello ME	500	170	Brazil

Selected U.S. produced programmes aired on shortwave (non-religious)

From the Isle of Music

From the Isle of Music is a programme of discovery dedicated to the music of Cuba. In the spirit of the cultural programmes of the golden age of shortwave, it includes a little bit of everything from Fusion to Jazz to Música Popular Bailable to Classical, and the best of decades past right beside music being released right now. The host, Bill Tilford, has been in love with this music for a half century, and the show includes interviews with musicians. Part of the show is in English, part in Spanish.

<i>Days</i>	<i>Time/UTC</i>	<i>Languages</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
Sunday	1500-1600	English/Spanish	9400	Kostinbrod, Bulgaria	100	126	39,40	E Europe
Tuesday	0100-0200	English/Spanish	7490	WBCQ Monticello ME	50	245	3-5,9-11	Americas
Tuesday	1900-2000	English/Spanish	6070	Rohrbach, Germany	10	ND	18,27,28	Europe
Saturday	1300-1400	English/Spanish	6070	Rohrbach, Germany	10	ND	18,27,28	EUrope

The show for Sunday 9 January 2022 (and repeated as above) features a potpurri of ensembles.

Uncle Bill's Melting Pot

Uncle Bill's Melting Pot is a radio programme featuring musical genres from A to Z, comedy/novelty music. You may hear a Polka one minute, some Bluegrass or Western Swing the next, Uzbek jazz the next ...!

<i>Days</i>	<i>Time/UTC</i>	<i>Languages</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
Sunday	2300-0000	English/Spanish	7490	WBCQ Monticello ME	100	126	3-5,9-11	Americas
Tuesday	2000-2100	English/Spanish	6070	Rohrbach, Germany	10	ND	18,27,28	Europe
Saturday	0800-0900	English/Spanish	9670	Rohrbach, Germany	10	ND	18,27,28	Europe

Episode 250 for Sunday 9 January 2022 (and repeated as above) presents music from all continents.

Shortwave Radiogram

Shortwave Radiogram transmits digital text and images on an analog shortwave broadcast transmitter. The programme is produced and presented by Dr. Kim Andrew Elliott.

Days	Time/UTC	Languages	kHz	Transmitter site	kW	Az.	CIRAF	Area
Friday	0230-0300	English	9265	WINB Red Lion PA	50	242	10,11	Americas
Friday	1300-1330	English	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
Friday	1500-1530	English	15750	WINB Red Lion PA	15	062	27,37,38 (DRM)	Europe
Saturday	0230-0300	English	9265	WINB Red Lion PA	50	242	10,11	Americas
Saturday	1330-1400	English	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
Sunday	0800-0830	English	5850	WRMI Okeechobee FL	100	315	2,3	Americas
			7730	WRMI Okeechobee FL	100	285	10-12	Americas
Sunday	2330-0000	English	7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe

The details for the programme scheduled 7-9 January 2022 can be found at swradiogram.net



Texas Radio Shortwave

Texas Radio Shortwave produces and broadcasts eclectic music programming over free and non-profit radio stations in North America & Europe.

Transmitter sites: Channel 292, Rohrbach, Germany (rob) - 10 kW; WRMI, Okeechobee, Florida - 100 kW; WBCQ, Monticello, Maine (bcq) - 50 kW.

For the latest news from Texas Radio Shortwave see www.facebook.com/texasradiosw/



VORW International

The VORW International Podcast is "a weekly show featuring wide ranging discussion from philosophical and moral topics to social issues. From the biggest down to the smallest, this relaxing show features discussion, entertainment and perspective on it all! Hosted by TheReportOfTheWeek, YouTuber with millions of subscribers".

Transmitter sites: WRMI, Okeechobee, Florida - 100 kW.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0000-0100	Fri	English	9455	WRMI Okeechobee FL	100	285	10-12	Americas
0100-0200	Fri	English	5010	WRMI Okeechobee FL	100	181	10-12	Americas
			9395	WRMI Okeechobee FL	100	355	3,4,9	Americas
0200-0300	Fri-Mon	English	5850	WRMI Okeechobee FL	100	315	2,3	Americas
0300-0400	Fri	English	5800	WRMI Okeechobee FL	100	160	11-16	Americas
0800-0900	Tue	English	5850	WRMI Okeechobee FL	100	315	2,3	Americas
			7730	WRMI Okeechobee FL	100	285	10-12	Americas
1000-1100	Thu	English	5850	WRMI Okeechobee FL	100	315	2,3	Americas
2000-2100	Tue	English	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
2100-2200	Thu/Sun	English	7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
2100-2200	Fri	English	9955	WRMI Okeechobee FL	100	160	11-16	Americas
2200-2300	Sat	English	9395	WRMI Okeechobee FL	100	355	3,4,9	Americas
2200-2300	Thu	English	9955	WRMI Okeechobee FL	100	160	11-16	Americas

Note: times and frequencies for B21 subject to confirmation.

World of Radio

World of Radio is a weekly half-hour DX programme produced and hosted by Glenn Hauser.

The shortwave+ broadcasts should be:

0130	UTC	Friday	WRMI 5850 to NW, 7780 to NE
0330	UTC	Friday	WRMI 5985 to S
1530	UTC	Friday	WRWI 9955 to SSE [jammed?]
1915	UTC	Friday	IRRS 7290-Bulgaria to WNW, 14580 harmonic; 918-Italy
2130	UTC	Friday	IRRS 918-Italy
0230	UTC	Saturday	WRMI 9395 to NNW
2030v	UTC	Saturday	WA0RCR 1860-AM
0030	UTC	Sunday	WRMI 7730 to WNW
0400v	UTC	Sunday	WA0RCR 1860-AM [nominal 0415; as late as 0530]
1330	UTC	Sunday	WMRI Europe via Ch 292 Germany 9670
2100	UTC	Sunday	IRRS 918-Italy
2330	UTC	Sunday	WRMI 5950 to NNW
2330	UTC	Sunday	WRMI 9955 [jammed?] to SSE
0030	UTC	Monday	WRMI 7730 to WNW
0130	UTC	Monday	WRMI 9395 to NNW
0400v	UTC	Monday	WBCQ 6160v Area 51 to WSW
2330	UTC	Tuesday	WRMI 9955 to SSE [jammed?]
1030	UTC	Wednesday	WRMI 5850 to NW
2200	UTC	Wednesday	WBCQ 7490v to WSW
0130	UTC	Thursday	WRMI 9395 to NNW
0130	UTC	Thursday	WRMI 5010 to S

Full schedule including AM, FM, webcasts, satellite, podcasts: <http://www.worldofradio.com/radioskd.html>

WOR 2120 contents (first aired at 0130 UTC, Friday 7 January 2021 and repeated as above): Afghanistan non, Alaska, Antarctica, (Armenia), Brasil, Cuba, Czechia, East Turkistan, Ecuador, Egypt, Eritrea and non, Germany, Guatemala, India/Kashmir, (Italy), Japan/Korea South & North, Kuwait, Liberia, (Madagascar), México, Myanmar non, Papua New Guinea, Sa`udi Arabia, Solomon Islands, Turkey, Ukraine, (UAE), USA, (Uzbekistan), Zambia; unidentified; propagation outlook ()Countries mentioned but not in order.

WOR 2120 is available as of 0117 UTC Friday 7 January 2022.

(mp3 stream) <https://www.w4uvh.net/wor2120.m3u>

(mp3 download) <https://www.w4uvh.net/wor2120.mp3>

Or via <http://www.worldofradio.com/audiomid.html>

Also links to podcast services.

Glenn Hauser's World of Radio

go to worldofradio.com for more of Glenn Hauser's World of Radio

If reading or downloading this guide from the BDXC website, a more recent version may be available at dxguides.info giving up-to-date details for the latest editions for Isle of Music, Uncle Bill's Melting Pot and World of Radio.

Shortwave pirate

There are several regular shortwave pirate radio stations operating in the United States but the one which seems to attract a lot of attention for DXers is YHWH:

YHWH

YHWH is a US-based religious pirate station that is widely heard in North America.

Time/Days	Language	kHz
irregular	English (preaching)	recent freqs include 7475 9700 9775 11840



Central America & the Caribbean

Anguilla

Caribbean Beacon (University Network)

Shortwave transmitters were installed in 1991 at Caribbean Beacon in Anguilla by Dr Gene Scott, who bought the station in 1996 (then operating with two mediumwave transmitters) for his University Network operation. Caribbean Beacon in Anguilla has been inactive since the devastating hurricanes that swept through the region in 2017. Stig Hartvig Nielsen commented on the Medium Wave Circle iog "The Caribbean Beacon (FM, MW, SW) is closed and has stopped broadcasting - according to the government authorities of Anguilla. So I suppose – not just “currently inactive” – but rather: "gone for good".

Cuba

Radio Progreso

Radio Progreso airs music and cultural programmes throughout Cuba. It uses a 50 kW shortwave transmitter at Bejucal that provides reception throughout the Caribbean and beyond. The slogan of Radio Progreso is "La Onda de la Alegria".

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>
0130-0500	Daily	Spanish	4765	Bejucal	50	ND

Radio Rebelde

Radio Rebelde (English: Rebel Radio) broadcasts 24 hours a day with a varied programme of national and international music, news reports and live sport events. The station was set up in 1958 by Che Guevara in the Sierra Maestra region of eastern Cuba, and was designed to broadcast the aims of the 26th of July Movement led by Fidel Castro. Transmitting on shortwave, Radio Rebelde also broadcast the latest combat news, music and spoken literature to the people of Cuba during the Cuban Revolution. Today, Radio Rebelde has forty-four transmitters on the FM dial covering 98 percent of the island of Cuba, plus a shortwave signal 5025 kHz and several AM transmitters on various frequencies, most commonly 530, 540, 550, 560, 600, 610, 620, 670, 710, and 770 kHz.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>
24 hours	Daily	Spanish	5025	Bautal	100	ND

Radio Habana Cuba

Radio Habana Cuba (RHC) is the official government-run international broadcasting station of Cuba. It can be heard in many parts of the world on shortwave. RHC broadcasts in nine languages: Spanish, English, French, Portuguese, Arabic, Quechua, Guarani, Creole and Esperanto, 24 hours a day, with varied programming that includes news, music and features. RHC's English-language broadcasts are heavily centered on the United States and feature news items that uniformly adversely reflect upon the U.S. government and the current administration, especially its foreign policies.

As Cuba does not register its frequencies with the HFCC, this schedule has been compiled with the help of information in Ivo Ivanov's DX Bulgaria blog, the Aoki list, Eike Bierwirth's EiBi schedules and Glenn Hauser's monitoring observations.

Please see the separate guide for Radio Habana Cuba at www.dxguides.info for any recent changes to the RHC schedule, as well as a diary of observations and reports primarily from Glenn Hauser and Ivo Ivanov.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter</i>	<i>kW</i>	<i>Az</i>	<i>Target</i>
0000-0030	Daily	Creole	15730	Bejucal	50	135	South America
0000-0100	Daily	English	5040	Bauta	100	083/263	Caribbean/Central America
0000-0100	Daily	Spanish	9535	Bejucal	100	230	Central America
			9650	Bejucal	50	110	Caribbean
			11670	Bauta	100	130	South America
			11760	Bauta	100	ND	Americas
			11850	Quivicán	250	170	South America
			13740	Bauta	100	160	South America
			15230	Quivicán	250	160	South America
0030-0100	Daily	Portuguese	15730	Bejucal	50	135	South America
0100-0130	Daily	Creole	5040	Bauta	100	083/263	Caribbean/Central America
0100-0130	Daily	French	15730	Bejucal	50	135	South America
0100-0200	Daily	English	6000	Quivicán	250	010	Eastern North America
			6165	Bauta	100	340	alternative to 9700
			9700	Bauta	100	340	Western North America

0100-0200	Daily	Spanish	6060	Bauta	100	010	Eastern North America
			9535	Bejucal	100	230	Central America
			9650	Bejucal	50	110	Caribbean
			11670	Bauta	100	130	South America
			11760	Bauta	100	ND	Americas
			11850	Quivicán	250	170	South America
			13740	Bauta	100	160	South America
			15230	Quivicán	250	160	South America
0130-0200	Daily	French	5040	Bauta	100	083/263	Caribbean/Central America
0200-0300	Daily	English	6000	Quivicán	250	010	Eastern North America
			6165	Bauta	100	340	alternative to 9700
			9700	Bauta	100	340	Western North America
0200-0300	Daily	Spanish	5040	Bauta	100	083/263	Caribbean/Central America
			6060	Bauta	100	010	Eastern North America
			9535	Bejucal	100	230	Central America
			9650	Bejucal	50	110	Caribbean
			11670	Bauta	100	130	South America
			11760	Bauta	100	ND	Americas
			11850	Quivicán	250	170	South America
			13740	Bauta	100	160	South America
0300-0400	Daily	English	6000	Quivicán	250	010	Eastern North America
			6165	Bauta	100	340	alternative to 9700
			9700	Bauta	100	340	Western North America
0300-0400	Daily	Spanish	5040	Bauta	100	083/263	Caribbean/Central America
			6060	Bauta	100	010	Eastern North America
			9535	Bejucal	100	230	Central America
			9650	Bejucal	50	110	Caribbean
			11670	Bauta	100	130	South America
			11850	Quivicán	250	170	South America
			13740	Bauta	100	160	South America
			15230	Quivicán	250	160	South America
0400-0500	Daily	English	6000	Quivicán	250	010	Eastern North America
			6165	Bauta	100	340	alternative to 9700
			9700	Bauta	100	340	Western North America
0400-0500	Daily	Spanish	5040	Bauta	100	083/263	Caribbean/Central America
			6060	Bauta	100	010	Eastern North America
			9535	Bejucal	100	230	Central America
			9650	Bejucal	50	110	Caribbean
			11670	Bauta	100	130	South America
			11850	Quivicán	250	170	South America
			13740	Bauta	100	160	South America
			15230	Quivicán	250	160	South America
0500-0600	Daily	English	6000	Quivicán	250	010	Eastern North America
			6165	Bauta	100	340	alternative to 9700
			9700	Bauta	100	340	Western North America
0500-0600	Daily	Spanish	5040	Bauta	100	083/263	Caribbean/Central America
			6060	Bauta	100	010	Eastern North America
			9535	Bejucal	100	230	Central America
			11850	Quivicán	250	170	South America
			15230	Quivicán	250	160	South America
0600-0700	Daily	English	5040	Bauta	100	083/263	Caribbean/Central America
			6000	Quivicán	250	010	Eastern North America
			6060	Bauta	100	010	Eastern North America
			6100	Bauta	100	310	Western North America
			6165	Bauta	100	340	alternative to 9700
			9700	Bauta	100	340	Western North America
0700-0800	Daily	English	6060	Bauta	100	010	Eastern North America
			6100	Bauta	100	310	Western North America
			6165	Bauta	100	340	irregular
0800-0830	Sun	Esperanto	6100	Bauta	100	310	Western North America
1200-1300	Daily	Spanish	6000	Quivicán	250	ND	Americas
			6100	Bauta	100	340	Western North America
			6145	Quivicán	250	ND	alternative to 6000
			9535	Bejucal	100	230	Central America
			9710	Bejucal	50	110	South America

			11760	Bauta	100	ND	Americas
			11950	Bauta	100	340	alternative to 6100
			13740	Bauta	100	160	South America
			15140	Bauta	100	130	South America
1300-1400	Daily	Spanish	6000	Quivicán	250	ND	Americas
			6100	Bauta	100	340	Western North America
			6145	Quivicán	250	ND	alternative to 6000
			9535	Bejucal	100	230	Central America
			9710	Bejucal	50	110	South America
			11760	Bauta	100	ND	Americas
			11950	Bauta	100	340	alternative to 6100
			13740	Bauta	100	160	South America
			15140	Bauta	100	130	South America
			15230	Quivicán	250	305	Western North America
1400-1500	Daily	Spanish	6000	Quivicán	250	ND	Americas
			6145	Quivicán	250	ND	alternative to 6000
			9535	Bejucal	100	230	Central America
			9710	Bejucal	50	110	South America
			11760	Bauta	100	ND	Americas
			13700	Bauta	100	310	Western North America
			13740	Bauta	100	160	South America
			15140	Bauta	100	130	South America
			15230	Quivicán	250	305	Western North America
1500-1600	Daily	Spanish	9535	Bejucal	100	230	Central America
			9710	Bejucal	50	110	South America
			11760	Bauta	100	ND	Americas
			13700	Bauta	100	310	Western North America
			15140	Bauta	100	130	South America
			15230	Quivicán	250	305	Western North America
1600-1630	Mon-Sat	Spanish	11760	Bauta	100	ND	Americas
			15140	Bauta	100	010	Eastern North America
1600-1630	Sun	Esperanto	11760	Bauta	100	ND	Americas
			15140	Bauta	100	010	Eastern North America
1630-1700	Daily	Spanish	11760	Bauta	100	ND	Americas
			15140	Bauta	100	010	Eastern North America
1700-1800	Daily	Spanish	11760	Bauta	100	ND	Americas
1800-1900	Daily	Spanish	11760	Bauta	100	ND	Americas
			15140	Bauta	100	010	Eastern North America
1900-1930	Daily	Arabic	15140	Bauta	100	340	Western North America
1930-2000	Daily	Creole	15140	Bauta	100	340	Western North America
2000-2100	Daily	English	15140	Bauta	100	340	Western North America
2030-2100	Daily	French	15370	Bauta	100	040	Western Europe
2100-2130	Daily	French	11880	Bauta	100	100	Southern Africa
			15140	Bauta	100	340	Western North America
2100-2130	Daily	Portuguese	13680	Bauta	100	040	alternative to 15370
			15370	Bauta	100	040	Western Europe
2130-2200	Daily	Portuguese	11880	Bauta	100	100	Southern Africa
2130-2200	Daily	Arabic	15370	Bauta	100	040	Western Europe
2200-2300	Daily	English	11880	Bauta	100	100	Southern Africa
2200-2300	Daily	Spanish	5040	Bauta	100	083/263	Caribbean/Central America
			9535	Bejucal	100	230	Central America
			9710	Bejucal	50	110	South America
			11760	Bauta	100	ND	Americas
			11850	Quivicán	250	170	South America
			13740	Bauta	100	160	South America
			15370	Bauta	100	040	Western Europe
2300-0000	Daily	Portuguese	15230	Quivicán	250	160	South America
2300-0000	Daily	Spanish	5040	Bauta	100	083/263	Caribbean/Central America
			9535	Bejucal	100	230	Central America
			9710	Bejucal	50	110	South America
			11760	Bauta	100	ND	Americas
			11850	Quivicán	250	170	South America
			13740	Bauta	100	160	South America
			15370	Bauta	100	040	Western Europe
2330-0000	Mon-Sat	French	15730	Bejucal	50	135	South America
2330-0000	Sun	Esperanto	15730	Bejucal	50	135	South America

Mesa Redonda Internacional

Mesa Redonda Internacional (Spanish for "International Round Table") is a Latin American news analysis talkshow broadcast by teleSUR live from Havana, Cuba, on Thursday nights. The programme is, according to the description given of it in the network's website, "a television program for the integration of various forms of (political and social) thought throughout our continent" (Latin America). The programme is relayed by Radio Habana Cuba at 2300-0000:

<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</i>
0000-0100	Tue-Fri	Spanish	6000	Titan Quivical	250	010	Eastern North America
			11950	Bauta	100	340	Western North America

International relays on shortwave

China Radio International

China Radio International (CRI) is a state-owned international radio broadcaster of China. The relay from Cuba is for listeners in the Americas.

<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</i>	<i>Area</i>
0000-0100	Daily	Spanish	5990	Quivicán	250	000	10E,11W	Central America, Caribbean
0100-0200	Daily	English	6180	Quivicán	250	010	8	North America
0200-0300	Daily	Chinese	6180	Quivicán	250	010	8	North America
0300-0400	Daily	English	5910	Quivicán	250	305	6,7SW	North America
0400-0500	Daily	Cantonese	5910	Quivicán	250	305	6,7SW	North America
1200-1230	Daily	Cantonese	9570	Quivicán	250	010	8	North America
2300-0000	Daily	English	5990	Quivicán	250	000	8S,10E,11W	Central America, Caribbean
2300-0000	Daily	Portuguese	13650	Quivicán	250	135	12E,13,15NW	South America

Target broadcasts to Cuba on shortwave

Radio Martí

The Office of Cuba Broadcasting (OCB) oversees Radio and Television Martí at its headquarters in Miami, Florida, providing news, information and analysis to the people of Cuba. See schedule under USA - USAGM entry.

Radio República

The Cuban Democratic Directorate (Directorio Democrático Cubano) is a non-governmental organisation that supports the human rights movement in Cuba. The Directorio operates Radio República, with programming focused on internal Cuban social dynamics and features extensive coverage of the opposition movement, international news relating to Cuba, and social issues on the island.

<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>Area</i>
0100-0200	Daily	Spanish	9490	Issoudun, France	150	285	11	Cuba
0200-0300	Fri-Mon	Spanish	9490	Issoudun, France	150	285	11	Cuba

Guatemala

Radio Verdad

Radio Verdad (English: Radio Truth) is an evangelical radio station founded by Dr. Édgar Amílcar Madrid Morales in 1967. Manuel Méndez (via AER El Dial) reported on 18 July 2021: Radio Verdad, Chiquimula, which broadcasts on 4055 kHz, has been inactive for months due to transmitter failure. Its director Edgar Amilcar Madrid, has tried to repair it, as other times that said transmitter has been broken down, with the help of a Canadian engineer, but according to mail received from Mr. Edgar Amilcar, this time it seems that the problems are greater and will be off the air at least until next year. Hopefully Radio Verdad, the only Guatemalan shortwave station, and one of the few remaining in Latin America, can solve the transmitter problem and re-broadcast normally. This is the email received from Radio Verdad: "The situation became more difficult, because the Engineer of Canada says that it is extremely expensive to travel to Guatemala this year, because of the extreme of expenses that it would represent, due to the demands of the pandemic. He believes that until next year he could come to repair it. The Engineer says it's time we thought about buying a new transmitter, and that will take a lot of money". Manuel Méndez (via AER El Dial) via WOR iog.

Mexico

Radio Educación - Cultura México Señal Internacional (XEPPM-OC)

Radio Educación is a cultural radio station in Mexico, based in Mexico City. Radio Educación airs Spanish-language cultural and educational programming. The primary broadcast signal is XEEP- AM 1060 kHz. Radio Educación also operates a shortwave station, XEPPM-OC on 6185 kHz, as well as FM stations. Radio Educación is an independent agency of the Secretariat of Culture, which was created in 2015. Prior to then, it was operated by the Secretariat of Public Education in cooperation with the National Council for Culture and Arts.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>
2300-1100v	Daily	Spanish	6185	México City	10	ND

South America

Argentina

RAE Argentina al Mundo

RAE Argentina al Mundo (English: RAE Argentina to the World), previously known as Radiodifusión Argentina al Exterior or RAE, is Argentina's state-owned international broadcaster. It no longer broadcasts over its own shortwave transmitters, but is now being relayed by Radio Miami International in Florida. The latest schedule below was posted by RAE on their Facebook page on 30 April 2021.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0200-0230	Tue	English	9395	WRMI Okeechobee FL	100	355	3,4,9	Americas
0200-0230	Wed	French	9395	WRMI Okeechobee FL	100	355	3,4,9	Americas
0200-0230	Thu	Italian	9395	WRMI Okeechobee FL	100	355	3,4,9	Americas
0200-0230	Fri	English	9395	WRMI Okeechobee FL	100	355	3,4,9	Americas
0200-0230	Sat	French	9395	WRMI Okeechobee FL	100	355	3,4,9	Americas
0200-0300	Tue	Spanish	5800	WRMI Okeechobee FL	100	160	11-16	Americas
			7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
0200-0300	Wed	Portuguese	5800	WRMI Okeechobee FL	100	160	11-16	Americas
			7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
0200-0230	Thu	English	5800	WRMI Okeechobee FL	100	160	11-16	Americas
			7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
0230-0300	Thu	French	5800	WRMI Okeechobee FL	100	160	11-16	Americas
			7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
0200-0230	Fri	Italian	5800	WRMI Okeechobee FL	100	160	11-16	Americas
			7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
0230-0300	Fri	Japanese	5800	WRMI Okeechobee FL	100	160	11-16	Americas
			7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
0200-0300	Sat	Spanish	5800	WRMI Okeechobee FL	100	160	11-16	Americas
			7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
0900-1000	Tue	Chinese	9455	WRMI Okeechobee FL	100	285	10	Americas
0900-0930	Wed	Japanese	9455	WRMI Okeechobee FL	100	285	10	Americas
0930-1000	Wed	English	9455	WRMI Okeechobee FL	100	285	10	Americas
0900-1000	Thu	Spanish	9455	WRMI Okeechobee FL	100	285	10	Americas
0900-1000	Fri	Portuguese	9455	WRMI Okeechobee FL	100	285	10	Americas
0900-0930	Sat	Japanese	9455	WRMI Okeechobee FL	100	285	10	Americas
0930-1000	Sat	English	9455	WRMI Okeechobee FL	100	285	10	Americas
1100-1200	Mon	Spanish	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
1100-1200	Tue	Portuguese	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
1100-1200	Wed	German	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
1100-1130	Thu	English	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
1130-1200	Thu	French	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
1100-1130	Fri	Italian	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
1130-1200	Fri	English	15770	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
2100-2200	Wed	German	7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
2330-2400	Mon	French	7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
2330-2400	Tue	German	7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
2330-2400	Wed	English	7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
2330-2400	Thu	Italian	7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe
2330-2400	Fri	Spanish	7780	WRMI Okeechobee FL	100	044	9,17,18,27-28	Europe



Bolivia

In the mass media in Bolivia there are nearly 200 privately owned television stations, but because rural regions of the country have few televisions and television reception is poor in many areas of the country, radio remains an important news disseminator. At last count, Bolivia had more than 480 radio stations, most of which were regional in scope.

Bolivian stations believed to be active on shortwave (further details below)

kHz	Station	Location	kW
3310	Radio Mosoj Chaski	Cotapachi	10
5935	Radio Yura	Yura	1
5952.5	Radio Pio XII, Siglo XX	Llallagua	5
6135v	Radio Santa Cruz	Santa Cruz de la Sierra	10

Radio Mosoj Chaski

Mosoj Chaski is a ministry that communicates the Word of God in the Quechua language for the growth and maturity of the Quechua people and the Quechua Church. Their mission is to use different forms of media to communicate the Word of God, providing opportunities for discipleship and leadership development which will prepare the Quechua believers to live out their faith in their cultural context.

Transmitter site: Cotapachi - 10 kW.

Time/UTC	Days	Languages	kHz
0900-1300	Daily	Quechua/Spanish	3310
2200-0100	Mon-Fri	Quechua/Spanish	3310
2200-0130	Sat/Sun	Quechua/Spanish	3310

Note: sign-on/sign-off times may vary slightly.

Radio Yura

Radio Yura is located in the town of Yura, Provincia Antonio Quijarro, Departamento de Potosí. The project to set up the radio station was launched in 1995 by Catholic TV station Canal 18. Radio Yura first appeared on shortwave in spring 2000. The radio station is dedicated to preserving what is left of the original culture, which has practically disappeared in parts of the Bolivian altiplano, but appears almost intact in the region of Yura. A special feature of this culture is an organisational form called the ayllu. The station is catering to the needs of the local population and thus uses the slogan La Voz de los Ayllus.

Transmitter site: Yura - 1 kW.

Time/UTC	Days	Language	kHz
2240-0100	Daily	Spanish	5935

Note: sign-on/sign-off times may vary slightly.

Radio Pio XII, Siglo XX

Radio Pio XII, Siglo XX is located in the Siglo XX mining district in the north of the department of Potosí and is part of the Catholic network of Pio XII radio stations that broadcast in various departments of Bolivia. Pope Pius XII (Italian: Pio XII) was head of the Catholic Church and sovereign of the Vatican City State from 2 March 1939 until his death in 1958. Before his election to the papacy, he served as secretary of the Department of Extraordinary Ecclesiastical Affairs, papal nuncio to Germany, and Cardinal Secretary of State, in which capacity he worked to conclude treaties with European and Latin American nations.

Transmitter site: Llallagua - 5 kW.

Time/UTC	Days	Language	kHz
1000-1400	Daily	Spanish/Quechua	5952.5
2100-0100	Daily	Spanish/Quechua	5952.5
0100-0200	Daily	Aymara	5952.5
0200-0230	Daily	Spanish/Quechua	5952.5

Note: sign-on/sign-off times may vary slightly.



Radio Santa Cruz

Radio Santa Cruz is operated by Fundación "Instituto Radiofónico Fe y Alegría" (IRFA), an institution dedicated to the education of Bolivian adolescents, youth and adults, through the radio system of its programme "El Maestro en Casa". It offers formal education at the literacy and primary levels, training courses for volunteer teacher guides, who provide the service to the students of the programme. Its mission states "We are an institution of the Society of Jesus with an Ignatian spirit, specialized in education and communication. We commit our work with the less favored sectors of the east and the Bolivian Chaco. We produce educational messages to contribute to the construction of a society with development. comprehensive, educated, fair and equitable". IRFA is based in Santa Cruz and its coverage extends to 25 municipalities in this department, in addition to several municipalities in Beni, Pando, Potosí, the Chuquisaqueño and Tarijeño Chaco.

Transmitter site: Santa Cruz de la Sierra - 10 kW.

Time/UTC	Days	Language	kHz
1100-0200	Daily	Spanish/Aymara	6135v

Note: times of operation may be extended if a local football match is being covered.

Brazil

Empresa Brasil de Comunicação

Empresa Brasil de Comunicação (Brazil Communication Company), aka EBC, is a Brazilian public company, created in 2007 to manage the federal government's broadcast network, TV Brasil. EBC is responsible for the content and management of TV Brasil, TV Brasil Internacional, eight EBC radio stations (Rádio Nacional do Rio de Janeiro, Rádio Nacional AM de Brasília, Rádio Nacional FM de Brasília, Rádio Nacional da Amazônia, Rádio Nacional do Alto Solimões, Rádio MEC AM do Rio de Janeiro, Rádio MEC FM do Rio de Janeiro, e Rádio MEC AM de Brasília), the news agency Agência Brasil, audio news agency Radioagência Nacional and the EBC Portal. As part of the services provided by the holding, EBC is responsible for the government's official channel TV NBR, and the radio programme A Voz do Brasil.

A Voz do Brasil

A Voz do Brasil ("The Voice of Brazil") is a governmental radio programme in Brazil produced by Empresa Brasil de Comunicação, the country's public broadcaster. The programme must be aired at any one-hour slot between the time frame of 1900 to 2200 local time by all Brazilian radio stations every weeknight excluding national holidays and other occasions. It is the oldest radio programme in the country and the longest-running in the Southern Hemisphere. All of the shortwave stations listed below will air A Voz do Brasil.



Brazilian stations believed to be active on shortwave

The following Brazilian radio stations (in frequency order) have broadcast on shortwave in the last year or two. However, some may now be inactive and are currently being checked; frequencies may vary slightly from the nominal stated (further information on each of the stations can be found further below):

<i>kHz</i>	<i>Station</i>	<i>Location</i>	<i>State</i>	<i>Region</i>	<i>kW</i>	<i>notes</i>
3365	Rádio Cultura	Araraquara	São Paulo	Southeast	1	
4775	Rádio Congonhas	Congonhas	Minas Gerais	Southeast	1	<i>still active?</i>
4875	Rádio Roraima	Boa Vista	Roraima	North	10	<i>still active?</i>
4884	Rádio Difusora Acreana	Rio Branco	Acre	North	5	
4885	Rádio Clube do Pará	Belém	Pará	North	10	
4905	Rádio Relógio AM	São Gonçalo	Rio de Janeiro	Southeast	5	
4925	Rádio Educação Rural	Tefé	Amazonas	North	5	
4965	Rádio Alvorada	Parintins	Amazonas	North	5	
4985	Rádio Brasil Central	Goiânia	Goiás	Central-West	10	
5035	Rádio Educação Rural	Coari	Amazonas	North	5	
5940	Rádio Voz Missionaria	Camboriú	Santa Catarina	South	10	
6010	Rádio Inconfidência	Belo Horizonte	Minas Gerais	Southeast	5	
6080	Rádio Marumby	Curitiba	Paraná	South	10	
6135	Rádio Aparecida	Aparecida	São Paulo	Southeast	25	
6150	Rádio Saturno	Belo Horizonte	Minas Gerais	Southeast	tbc	
6160	Rádio Rio Mar	Manaus	Amazonas	North	7.5	
6160	Super Rede Boa Vontade	Porto Alegre	Rio Grande do Sul	South	1	
6180	Rádio Nacional da Amazônia	Brasilia	Federal District	Central-West	250	
9550	Super Rede Boa Vontade	Porto Alegre	Rio Grande do Sul	South	10	
9665	Rádio Voz Missionaria	Camboriú	Santa Catarina	South	10	
9819	Rádio Nove de Julho	São Paulo	São Paulo	Southeast	10	
11780	Rádio Nacional da Amazônia	Brasilia	Federal District	Central-West	250	
11815	Rádio Brasil Central	Goiânia	Goiás	Central-West	7.5	
11895	Super Rede Boa Vontade	Porto Alegre	Rio Grande do Sul	South	10	
15190	Rádio Inconfidência	Belo Horizonte	Minas Gerais	Southeast	5	

Details of each station operating on shortwave are given below in alphabetical order:

Rádio Alvorada de Parintins

Rádio Alvorada de Parintins belongs to the Diocesis of Parintins, a municipality in the far east of the state of Amazonas. It is also part of a micro-region also named Parintins. It broadcasts on 1380 and 4965 kHz.

Transmitter site: Parintins - 5 kW.

Time/UTC	Days	Language	kHz
2200-0200	Daily	Portuguese	4965

Rádio Aparecida

Rádio Aparecida is based in Aparecida, a city in the state of São Paulo. It operates on AM, FM and shortwave. The station belongs to Rede Aparecida de Comunicação and it heads Catholic Radio Network (RCR), where programmes are sent via satellite to partner broadcasters.

Transmitter site: Aparecida - 25 kW.

Time/UTC	Days	Language	kHz
0830-0400	Daily	Portuguese	6135

Célio Romais sent the following to Glenn Hauser on 22 May 2021: "It has been a while since Rádio Aparecida turned off its transmitters on 5035, 9630 and 11855 kHz. Remains on the air, only 6135. Meanwhile there are rumors that this channel could also be silenced by December of this year, motivated by the pandemic crisis and low audience on SW. Therefore, if you do not yet have a printed QSL from the station, get busy! Send a reception report to the station by p-mail to Caixa Postal 2, CEP 12.570-0970, Aparecida (SP), Brazil. [gh's translation] (WOR iog, 22 May 2021)

Rádio Brasil Central

Rádio Brasil Central (RBC) is located in Goiânia, in the state of Goiás. It operates on 1270, 4985 and 11815 kHz, and FM, and in the case of the two shortwave frequencies reaches across Brazil, which has given it recognition throughout the country. It has a diverse programme, with emphasis on country music, journalism and sports (the radio's sports team is known as Escreta de Ouro). It is a broadcaster belonging to the Government of the State of Goiás.

Transmitter site: Goiânia - 10 kW on 4985 kHz; 7.5 kW on 11815 kHz.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	4985 11815

Rádio Clube do Pará

Rádio Clube do Pará is based in Belém, capital of the state of Pará. It operates to belongs to Grupo RBA de Comunicação. Founded in 1928, it is the pioneer of the state and also of the North Region of Brazil. Its studios are at the headquarters of Grupo RBA de Comunicação in Marco, and its transmitters are in the Guanabara neighborhood, within the Utinga Environmental Park. It operates on 690 and 4885 kHz, and FM.

Transmitter site: Belém - 10 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	4885

Rádio Congonhas

Rádio Congonhas is operated by Fundação Radiodifusora de Congonhas from the city of Congonhas, Minas Gerais in southeastern Brazil. It migrated from AM to FM in 2019. It had operated on 4775 kHz but may now be inactive.

Transmitter site: Congonhas - 1 kW.

Time/UTC	Days	Language	kHz
0800-0400	Daily	Portuguese	4775v - possibly inactive

Note: checked 5 July 2021 at 2200 UTC using the near local SDR at Pardino, but only Radio Tarma in Peru was heard.

Rádio Cultura Araraquara

Rádio Cultura is located in Araraquara SP and broadcasts a mix of news, sport and music. Its main FM frequency is 97.3 with the shortwave transmitter on 3365 kHz heard again since early August 2021 after a period off-air.

Time/UTC	Language	kHz
irregular	Portuguese	3365

Rádio Difusora Acreana

Rádio Difusora Acreana is located in Rio Branco, the capital city of the state of Acre in the west of the North Region of Brazil. Its programming consists of local, national and international news, reports, sport, music and other entertainment.

Transmitter site: Rio Branco - 5 kW.

Time/UTC	Days	Language	kHz
0900-0400	Daily	Portuguese	4884

Note: sign-on/sign-off time may vary slightly.

Rádio Educação Rural de Coari

Rádio Educação Rural de Coari (5035 kHz) and Rádio Coari AM 560 are owned by the Santíssimo Redentor Foundation serving the Roman Catholic Diocese of Coari in the Amazon region. The organisation provides programmes on training, information and entertainment for the local population.

Transmitter site: Coari - 5 kW.

Time/UTC	Days	Language	kHz
0900-2300	Daily	Portuguese	5035

Rádio Educação Rural de Tefé

On the air since 1963, Rádio Educação Rural, located in Tefé, a municipality in the state of Amazonas, northern Brazil, belongs to the Prelature of Tefé. The mission of the station is to educate, inform and entertain listeners.

Transmitter site: Tefé - 5 kW.

Time/UTC	Days	Language	kHz
1030-1600	Daily	Portuguese/Indigenous	4925
2000-0330	Daily	Portuguese/Indigenous	4925

Rádio Inconfidência

Rádio Inconfidência, commonly Inconfidência is a radio station broadcasting on AM 880 and 100.9 FM, as well as shortwave, serving Belo Horizonte, Minas Gerais and the central portion of the state in Brazil. The station includes talk radio mainly during the mornings, Brazilian and foreign music, news and sports.

Transmitter site: Belo Horizonte - 5 kW on both 6010 & 15190 kHz.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	6010 15190



Rádio Marumby

Rádio Marumby is a radio station licensed in Campo Largo, but headquartered in Curitiba, respectively the city and capital of the state of Paraná. It operates on AM 730 and 88.5 FM and currently on 6080 kHz shortwave. The station belongs to the lensen Communication System and broadcasts religious programmes.

Transmitter site: Curitiba - 10 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese/Spanish	6080

Rádio Nacional da Amazônia

Rádio Nacional (National Radio) is a Brazilian radio network belonging to the government-owned corporation EBC (Empresa de Comunicação, Brazil Communication Company), formerly known as Radiobrás. Rádio Nacional da Amazônia on shortwave 6180 and 11780 kHz provides speech programming, news, music, radio drama and a service to the Amazon region.

Transmitter site: Brasília - 250 kW on both 6180 & 11780 kHz.

Time/UTC	Days	Language	kHz
1100-0300	Daily	Portuguese	6180 11780

Rádio Nove de Julho

Rádio Nove de Julho is a radio station located in São Paulo belonging to the Archdiocese of São Paulo.

Transmitter site: São Paulo - 10 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	9820v

Rádio Relógio AM

Rádio Relógio AM (also known as Rádio Relógio Federal) is headquartered in Rio de Janeiro, capital of the state of the same name. It operates 580 and 4905 kHz, and also FM, and belongs to the International Communication Foundation, the media arm of the International Church of the Grace of God. Its studios are in the church temple in the Taquara neighbourhood its transmission antenna is in Jardim Catarina, São Gonçalo.

Transmitter site: São Gonçalo - 5 kW.

Time/UTC	Days	Language	kHz
0730-0300	Daily	Portuguese	4905

Rádio Rio Mar

Rádio Rio Mar is based in Manaus, the capital and largest city of the Brazilian state of Amazonas, and belongs to the Archdiocese of Manaus. It is a partner of the Catholic Radio Network (RCR). Rádio Rio Mar has migrated from AM to FM but continues to operate a shortwave transmitter on 6160 kHz.

Transmitter site: Manaus - 7.5 kW.

Time/UTC	Days	Language	kHz
0900-1400	Daily	Portuguese	6160

Rádio Roraima

Rádio Difusora Roraima is located in Boa Vista, the capital of the state of Roraima in northern Brazil. It has been on air since 1957, carrying information, music and entertainment.

Transmitter site: Boa Vista - 10 kW.

Time/UTC	Days	Language	kHz
0800-0400	Daily	Portuguese	4875 - possibly inactive

Note: checks made by Tony Rogers since May 2021 using the TWR SDR in Boa Vista have shown Rádio Roraima to be absent on 4875 kHz during the time it is scheduled (0800-0400 UTC). The mediumwave outlet on 590 kHz is heard loud and clear and does announce 4875 kHz at 2300 UTC straight after the conclusion of "Voz do Brasil".

Rádio Saturno

From BDXC-UK Communication: Bryan Clark in New Zealand writes: Since 31 October I have been trying to identify a new station on 6150 in Portuguese, with weak but clear reception in New Zealand peaking around 0630 to 0900 UTC. Time checks for UTC - 3 pointed to Brazil. I asked some Brazilian DXers for help and they were able to confirm the station is Radio Saturno in Belo Horizonte. Saturno's facebook page proudly proclaims they broadcast on 92.3 FM and 6150 shortwave. So a reception report with audio file was duly dispatched. Saturno's overnight response (translated) - "Greetings friend Bryan, Radio Saturno is very happy with your report and confirms its reception at 6,150 KHz. Soon we will send you an electronic QSL!" (Bryan Clark via WOR 3 Nov) Manuel Mendez heard Radio Saturno with a clear signal in NW Spain around 0717 UTC on 21 November with pop songs in English and Portuguese, the ID was "Radio Saturno a sua melhor companhia" (Manuel Méndez)

Transmitter site: Belo Horizonte.

Time/UTC & Days	Language	kHz
schedule to be confirmed	Portuguese	6150



Rádio Voz Missionaria

Rádio Voz Missionaria is based in Camboriú, a municipality in the state of Santa Catarina in the South region of Brazil. The station's mission is to "lead the preaching of the genuine gospel of the Word of God based on the Holy Bible, as well as good information and entertainment" and to "reach affiliates who maintain missionary work through Last Minute Missionary Gideons" (as translated into English). They also stated their "goal is also to be helpers with social work for the poor and to provide assistance to the needy both in Brazil and abroad". Their website refers to 5940, 9665 and 11750 kHz, although the latter is believed to be inactive.

Transmitter site: Camboriú - 10 kW on both 5940v & 9665v kHz.

Time/UTC	Days	Language	kHz
0800-2100	Daily	Portuguese	9665v
2100-0800	Daily	Portuguese	5940v 9665v

Super Rede Boa Vontade

Super Rede Boa Vontade (Super Good Will Radio) is a station based in Esteio, Rio Grande do Sul. The radio station is owned by the Super Rede Boa Vontade de Rádio, a network of radio stations belonging to Legião da Boa Vontade (LBV), an organisation chaired by José de Paiva Netto. It transmits statewide programming, but also has local programmes (with the Comando da Esperança, Momento Esportivo e Viver é Melhor) for the whole of Greater Porto Alegre on AM 1300 and for all of Brazil on shortwave.

Transmitter site: Porto Alegre - 10 kW on 9550 & 11895 kHz; 1 kW on 6160 kHz.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	6160 9550 and between 0600-0100 UTC on 11895

Brazil prepares for domestic DRM transmissions to Amazonia

DRM broadcasts from a locally produced transmitter will be originated for the first time in Latin America, as Brazil will officially start digital (DRM) shortwave transmissions through The National Radio of the Amazon towards the vast area of the northern Amazon region, mainly inhabited by indigenous populations.

In another first, Empresa Brasil de Comunicação (EBC), the public broadcaster, placed the order for the high-powered transmitter with a local manufacturer, the BT Transmitters company from Porto Alegre. BT Transmitters signed a contract with EBC for the production of a 100 kW transmitter in the DRM digital system.

The equipment will be used on the 11,780 kHz frequency in the 25-meter band, which is one of the shortwave channels used by Rádio Nacional da Amazônia since 1977.

The purchase for R\$3.5 million is the result of an auction held in August 2020, in which other equipment for EBC's public radio broadcasts is planned to be acquired.



At the end of last year, Nacional da Amazônia carried out tests with the DRM technology using a transmitter of 2.5 kW with the digital power of just 1 kW. EBC demonstrated then, for the first time in the country, the use of multi-programming and the transmission of interactive multimedia applications.

Despite this low power of the transmitter supplied by BT Transmitters, recordings were reported from different regions of the country and even from North America and Europe ([Radiolab – Começam transmissões de rádio digital DRM em onda curta no Brasil](#)).

The results of the tests were [published last month by the DRM Consortium](#).

The DRM (Digital Radio Mondiale) standard provides power savings of up to 80% in electricity consumption, a sound quality equal or superior to FM, as well as allowing images and other data to be sent to the radio receiver.



DRM is a worldwide consortium, and more information can be found at www.drm.org.

Source: DRM Consortium and radiolab.blog.br (4 October 2021)

Chile

Radio Triunfal Evangélica

Radio Triunfal Evangélica is an evangelical radio station in Talagante that has been on air since 1988.

Transmitter site: Talagante - 0.5 kW.

Time/UTC	Days	Language	kHz
2200-0000v	Fri-Wed	Spanish	5825

Radio Compañía Worldwide

Radio Compañía Worldwide (RCW) is an unlicensed international Chilean radio service located in San Francisco, Chile. The says "it is a FREE radio station that was born from the unfortunate and constant disappearance of "Onda Corta" stations, whose mission is to keep Chile in the HF bands and to disseminate cultural, informative and musical programming. RCW is the only station in the country that currently broadcasts on shortwave. In the creation of RCW, it is undeniable to recognise that it was inspired by the old Dutch RNW Radio Nederland Wereldomroep.



Transmitter sites: San Francisco - RCW's shortwave transmitting centres are named after Chilean heroes: General Carrera Station, currently in service, has a power of 45 AM watts (0.045 KW) with an extended dipole antenna for the 43 and 41 meter band. This station is equipped to emit up to 1 kW of effective power from 49, 43 and 41 meters bands (the Rodríguez Erdoiza Station, currently in standby, has a power of 45 Watts AM (0.045 KW) with a G5RV inverted V-type dipole antenna capable of emitting in bands of 90, 75, 49 and 41 meter band. This station is powered to excite up to 150 effective watts).

Time/UTC	Days	Language	kHz
varies	irregular	Spanish	6210

Note: other frequencies that may be used include 3910, 5810, 6925 and 7610 kHz.

Colombia

La Montaña Colombia

A station referred to as "La Montaña Colombia" is reported to be located in Maicao, a city and municipality in the Department of La Guajira, northern Colombia. It is located 76 km from Riohacha, the capital of the department and is the second largest urban center near the border with Venezuela, after the city of Cúcuta. It is regularly heard on shortwave 4940 kHz with evangelical programmes. It is unclear how the name "La Montaña" (The Mountain) has been given to this station as it never seems to identify as such.

Transmitter site: Maicao - 1 kW.

Time/UTC	Days	Language	kHz
2300-1130	Daily	Spanish/Indigenous	4940

Ecuador

Vozandes Media

Vozandes Media emerged in 2009 from the German-language service of Radio HCJB, the Voice of the Andes, after the German-language work there was discontinued. German-language programmes were produced every day until the end of 2016 and broadcast via shortwave, Astra satellite and the Internet. After no new employees were found, the broadcasts had to be stopped. Today, Vozandes oversees the infrastructure to broadcast programmes in various Indian languages in the regions of Ecuador, Colombia and Peru via shortwave.

Transmitter site: Pico Pichincha, Quito - 10 kW.

Time/UTC	Days	Language	kHz	Time/UTC	Days	Language	kHz
0000-0030	Daily	Cofan	6050	1045-1100	Mon/Tue	Spanish	6050
0030-0100	Daily	Waorani	6050	1045-1100	Wed-Sun	Quechua	6050
0100-0130	Sun/Mon	Quechua	6050	1100-1130	Mon-Fri	Spanish	6050
0100-0130	Tue-Sat	Spanish	6050	1100-1130	Sat/Sun	Quechua	6050
0130-0145	Daily	Quechua	6050	1130-1402	Daily	Spanish	6050
0145-0200	Thu-Mon	Quechua	6050	2100-2130	Daily	Spanish	6050
0145-0200	Tue-Wed	Spanish	6050	2130-2200	Daily	Cha-palaa	6050
0200-0232	Daily	Quechua	6050	2200-2315	Daily	Quechua	6050
0232-0500	Sat	Spanish	6050	2315-2330	Mon	Spanish	6050
0400-0430	Sat	German	6050	2315-2330	Tue-Sun	Quechua	6050
0500-0530	Sat	German	6050	2330-0000	Daily	Shuar	6050
0923-1045	Daily	Quechua	6050				

Peru

Bolivian stations believed to be active on shortwave (further details below)

The following Peruvian radio stations (in frequency order) currently on broadcast on shortwave (further information on each of the stations can be found further below):

kHz	Station	Location	kW
4764	Radio Huanta 2000	Huanta	0.5
4775v	Radio Tarma	Tarma	1.5
4810	Radio Logos	Chazuta	1
4920v	Radio La Voz del Pueblo	Santiago de Chuco	1
4940	Radio San Antonio	Villa Atalaya	1
4955	Radio Cultural Amauta	Huanta	5
5025	Radio Quillabamba	Quillabamba	5
5980	Radio Chaski	Urubamba	5
6175v	Radio Tawantinsuyo	Cusco	1

Details of each station operating on shortwave are given below in alphabetical order:

Radio Chaski

Radio Chaski is a religious radio station in Urubamba, a small town near the Urubamba River under the snow-capped mountain Chicón. Located one hour from Cusco, Urubamba is the largest town in the Sacred Valley of the Incas. It is also located near a number of significant ruins of the Inca Empire, including Machu Picchu. The sparse remains of the Inca palace, Quispiguanca, are within the town. It broadcasts on shortwave 5980 kHz.

Transmitter site: Urubamba - 5 kW.

Time/UTC	Days	Language	kHz
1000-1500	Daily	Spanish/Quechua	5980
2200-0100	Daily	Spanish/Quechua	5980

Radio Cultural Amauta

Radio Cultural Amauta is a radio station based in Huanta in Central Peru, capital of the province Huanta in the region Ayacucho. They say they "are a means of communication that disseminates Christian principles and values, contributes to the moral, spiritual and civic development of Quechua and Spanish-speaking families". Radio Culutral Amauta operates on shortwave 4955 kHz and FM.

Transmitter site: Huanta - 5 kW.

Time/UTC	Days	Language	kHz
1000-1400	Daily	Spanish/Quechua	4955
2100-0200	Daily	Spanish/Quechua	4955

Radio Huanta 2000

Radio Huanta 2000 is located in Huanta, a town in Central Peru, capital of the province Huanta in the region Ayacucho. Regular programming consists of news and varied music, as well as special cultural programmes at weekends. It broadcasts on shortwave 4764 kHz.

Transmitter site: Huanta - 0.5 kW

Time/UTC	Days	Language	kHz
1100-1325	Daily	Spanish/Quechua	4764
2200-0100	Daily	Spanish/Quechua	4764

Radio La Voz del Pueblo

Radio La Voz del Pueblo broadcasts from Santiago de Chuco, capital of Santiago de Chuco Province, La Libertad Region. It operates on shortwave 4920v kHz and FM.

Transmitter site: Santiago de Chuco - 1 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Spanish/Indigenous	4920v

Radio Logos

Radio Logos is located in Chazuta District, one of fourteen districts of the province San Martín, located in north central Peru on the edge of the Amazon Basin. The station began as a ministry in 2012, under the vision of expanding the gospel at the initiative of the central evangelical church of Chazuta. which belongs to the association of bilingual evangelical churches (AIEB). They are also affiliated with the Fraternity of Associations of Native Evangelical Churches of the Peruvian Amazon (FAIENAP). Radio Logos operates on shortwave 4810 kHz and FM.

Transmitter site: Chazuta - 1 kW.

Time/UTC	Days	Language	kHz
0900-1200	Daily	Spanish/Indigenous	4810
2100-2300	Daily	Spanish/Indigenous	4810

Radio Quillabamba

Radio Quillabamba is a Catholic radio station in Quillabamba, a city in southern Peru. It is the capital of La Convención Province, which is the largest province in area of the Cusco Region. Radio Quillabamba, known as the "The Voice of those who have no Voice", was founded in Peru in 1966 thanks to the work of Dominican missionaries. Today it is a radio station committed to "defending the values, culture, faith and organisation of the Conventional and Latin American people".

Transmitter site: Quillabamba - 5 kW.

Time/UTC	Days	Language	kHz
1000-0200	Daily	Spanish/Quechua	5025

Radio San Antonio

Radio San Antonio is located in Villa Atalaya, in the Ucayali Region of Peru. It is the capital of the Atalaya Province. It operates on shortwave 4940 kHz and FM.

Transmitter site: Villa Atalaya - 1 kW.

Time/UTC	Days	Language	kHz
0000 s/off	Daily	Spanish	4940

Radio Tarma

Radio Tarma broadcasts from Santa Ana de la Ribera de Tarma, the capital city of Tarma Province in Junín Region. The station was founded in 1958. It operates on 1510 and 4775v kHz, as well as FM. It broadcasts simultaneous programmes on mediumwave and shortwave.

Transmitter site: Tarma - 1.5 kW.

Time/UTC	Days	Language	kHz
1000-1400	Mon-Sat	Spanish	4775v
1100-1400	Sun	Spanish	4775v
2000-2300	Sun	Spanish	4775v
2000-0200	Mon-Sat	Spanish	4775v

Radio Tawantinsuyo

Radio Tawantinsuyo is located in Cusco, a city in south eastern Peru near the Urubamba Valley of the Andes mountain range. It is the capital of the Cusco Region and of the Cusco Province. Radio Tawantinsuyo broadcasts on 1190 and 6175 kHz and is known playing Andean music, Folklore and Huaynos.

Transmitter site: Cusco - 1 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Spanish/Quechua	6175v

Radio Tawantinsuyo was confirmed on 6174 kHz on 23 June 2021 (after some months off air) by Lucio Otavio Bobrowiec in Brazil via WOR iog.

Surinam

Radio Apintie

Radio Apintie is based in Paramaribo and part of the Apintie television and radio broadcasting organisation. Radio Apintie airs a mix of news, sport, current affairs and entertainment, mostly in Dutch but also with programmes in Hindi and Javanese. It broadcasts on FM and irregularly on shortwave 4990 kHz.

Transmitter site: Paramaribo - 1 kW,

Days	Language	kHz
irregular	Dutch/Hindi/Javanese	4990

Venezuela

Radio Onda Corta Venezuela

Radio Onda Corta Venezuela (ROCV) is based in El Tigre, Anzoátegui State, and is currently the only shortwave broadcasting station originating from Venezuela. It began testing in late 2020 with a small 50-watt transmitter with rebroadcasts of Así Suena Venezuela FM and La Voz del Tigre 780 AM. They are widely heard despite the low power and are currently operating on 6205 kHz.

Transmitter site: El Tigre, Anzoátegui State - 0.05

Time/UTC	Days	Language	kHz
24 hours	Daily	Spanish	6205

Note: ROCV was reported on 6216 kHz on 1 May 2021 only.

Antarctica

Argentine Antarctica

LRA36 Radio Nacional Arcángel San Gabriel

LRA36 Radio Nacional Arcángel San Gabriel (also known as Radio San Gabriel or Radio Arcángel San Gabriel), is a radio station that transmits on 15476v kHz in the 19 meter band from Base Esperanza, Antarctica. It is one of the southernmost radio stations in the world and the only broadcasting station that transmits from Antarctica. Programming can be variable but mainly consists of national and international news, sport, weather, general information and music requests. On occasions, calls from friends and family on the mainland are broadcast for residents of the base.

Transmitter site: San Gabriel - 10 kW (USB/AM - H3E)

Time/UTC	Days	Language	Target	kHz
1400-1600	irregular - Wed	Spanish	South America	15476v
1400-1700	irregular - Sat	Spanish	South America	15476v



British Antarctic Territory

BBC World Service Antarctic Midwinter Broadcast 2022

Every year, the BBC World Service makes a special programme for just a small number of listeners: the team of scientists and support staff isolated at British research stations in the Antarctic midwinter. The Antarctic Midwinter Broadcast is unlike anything else on the BBC World Service. Presented by Cerys Matthews, it features messages from family and friends at home as well as music requests from Antarctica. For decades it has been part of the traditional midwinter celebrations.

Time/UTC	Date	Language	Target	kHz
2130-2200	21 June 2022	English	Antarctica	6035-dha 6170-asc 7205-wof 9505-wof

Note: frequencies listed are those used on 21 June 2021; all frequencies are usually tested one week before (i.e. 14 June)



Americas on Shortwave

Edited by Tony Rogers

with thanks to Dave Kenny, Alan Pennington, and Zenon Teles.

and acknowledging the following for regularly providing news and information on the current DX scene:

British DX Club (BDXC-UK)
Bulgarian DX Blog (Ivo Ivanov)
EiBi Schedules (Eike Bierwirth)
Glenn Hauser Weekly Log Roundups
Hansjörg Bieners DX Digest
hard-core-dx.com
Nagoya DXers Circle (including Aoki List)
Shortwave Central (Gayle Van Horn)
World of Radio / WOR io group (Glenn Hauser)
WWDXC Top News / BC-DX (Wolfgang Bueschel)

Contact email addresses: tony@bdxc.org.uk or dxguides@gmail.com