

British DX Club

Europe on Shortwave



**Guide to radio stations in Europe
broadcasting on shortwave**

January 2022

featuring schedules for the B21 season

Europe on Shortwave

Compiled and edited by Tony Rogers.

This is a guide to shortwave broadcasting in Europe.

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

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

Email: tony@bdxc.org.uk or dxguides@gmail.com

Albania

Radio Tirana

Radio Tirana is the external service of Radio Televizioni Shqiptar.

Transmitter sites: Although no longer broadcasting from transmitters in Albania, Radio Tirana is on shortwave via Radio Miami International in Okeechobee, Florida and ShortwaveService in Kall, Krekel, Germany.

<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>
1330-1400	Mon-Sat	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1600-1630	Daily	German	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
2230-2300	Sun-Thu	English	7780	Okeechobee FL, USA	100	044	9,17,18,27-28	Europe

China Radio International relay

The Cërrik transmitting station is owned by RTSH and is leased to China Radio International. However, since the A20 season no broadcasts have been heard from CRI despite frequencies having been registered with HFCC.

Andorra

Radio Andorra Revival

Occasionally there are broadcasts to celebrate the history of Radio Andorra, produced by Christian Milling. The most recent broadcast was on 7 August 2021 on 6180 kHz, 1700-2000 UTC, from Moosbrunn Austria. It celebrated 82 years of Radio Andorra and offered another opportunity to hear again the world famous "Aqui Radio Andorra!"

Austria

Radio Ö1 International

Radio Ö1 International is a service of Österreichischer Rundfunk (ORF), Austria's national public service broadcaster. It has a daily broadcast in German for listeners in Europe on shortwave.

Transmitter site: Moosbrunn (see explanation below).

<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>
0600-0720	Daily	German	6155	Moosbrunn, Austria	300	ND	18,27-29,37-39	Europe

Shortwave relays from Österreichische Rundfunksender - Moosbrunn

Transmitter site: Moosbrunn, a municipality in the district of Bruck an der Leitha in the Austrian state of Lower Austria. The transmitting station is owned and operated by Österreichische Rundfunksender GmbH & Co KG. It consists of 2 x 100 kW and 2 x 300 kW shortwave transmitters.

<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>
0030-0100	Daily	BBC	Dari	5930	300	095	40E,41NW	West Asia
0100-0130	Daily	BBC	Pashto	5930	300	095	40E,41NW	West Asia
0130-0200	Daily	BBC	Dari	5930	300	095	40E,41NW	West Asia
0200-0230	Daily	AWR	Urdu	7300	300	094	40E,41NW	West Asia
0230-0300	Daily	AWR	Punjabi	7300	300	094	40E,41NW	West Asia
0330-0400	Daily	AWR	Persian	6120	300	100	40	West Asia
0400-0430	Daily	AWR	Turkish	6185	300	115	29S,39N,40W	Middle East
0500-0530	Daily	AWR	Hausa	9630	300	190	46SE,47W	West Africa

0600-0700	Daily	AWR	Arabic	11880	300	175	38		North Africa
0600-0720	Daily	ORF	German	6155	300	ND	18,27-29,37-39		Europe
0700-0730	Daily	AWR	French	15610	300	206	46S		West Africa
0800-0830	Daily	AWR	French	15145	300	225	37,38W		North Africa
0800-0900	1st Sun	Welle 370	German/English	6140	100	270	27E,28NW		Europe
0900-1000	Sun	Radio DARC	German	6070	100	000	18,27-29,37-39		Europe
1100-1200	1st Sun	Radio Joystick	German/English	7330	100	270	27,28		Europe
1400-1430	Daily	AWR	Urdu	15440	300	095	40E,41NW		South Asia
1500-1530	Daily	AWR	Turkish	11955	300	115	29S,39N,40W		Middle East
1530-1600	Daily	AWR	Punjabi	11955	300	095	40E,41NW		South Asia
1530-1600	Daily	HCJB	Russian	13740	100	095	29S		North Caucasus
1600-1630	Daily	HCJB	Chechen	13740	100	095	29S		North Caucasus
1600-1630	Daily	AWR	Urdu	11955	300	095	40E,41NW		South Asia
1630-1700	Daily	AWR	Persian	9770	300	100	40		West Asia
1730-1800	Daily	AWR	Masai	15360	300	156	48SW,53NW		East Africa
1800-1815	Fri	Bible Voice	English	9715	100	115	39		Middle East
1800-1830	Thu	Bible Voice	English	9715	100	115	39		Middle East
1800-1900	Daily	AWR	Arabic	11955	300	190	38N		North Africa
1830-1900	Sat	Bible Voice	English	9715	100	115	39		Middle East
1830-2000	Sun	Bible Voice	English	9715	100	115	39		Middle East
2000-2030	Daily	AWR	Dyula	7270	300	210	46		West Africa

Belarus

Radio Belarus International

Radio Belarus International is the External Service of BRTC.

Transmitter site: Although there is no longer any external broadcasting from transmitters in Belarus itself, Radio Belarus has daily transmissions via ShortwaveService in Germany.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
1520-1540	Daily	Spanish	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1540-1600	Daily	French	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1800-1900	Daily	English	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
2000-2100	Daily	English	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
2100-2300	Daily	German	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe

Belgium

Radio Onda

Radio Onda is a licensed Belgian station. There is no fixed programming yet and the radio broadcasts are made according to the operators' availability.

Transmitter site: Borculo, east Netherlands. It has 2 x 1 kW shortwave transmitters.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
variable	mostly Sat/Sun	Portuguese	6140	Margraten, Netherlands	1	ND	18,27,28	Europe
			9520	Margraten, Netherlands	1	ND	18,27,28	Europe

Bulgaria

Spaceline Bulgaria - Kostinbrod

Spaceline Ltd Bulgaria was established in 1995 in Bulgaria from group of experts in telecommunications, TV and Radio broadcasting with main objective to provide transmission facilities and technical services. It manages the operation of the NURTS-owned transmitting site at Kostinbrod and is a service provider of shortwave radio broadcasting.

Transmitter site: Kostinbrod, a town in western Bulgaria. It is the seat of Kostinbrod Municipality, located 15 km west of the capital city of Sofia. The site has 4 x 50 kW, 3 x 100 kW, and 1 x 250 kW shortwave transmitters.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0230-0330	Daily	BBC	Persian	6010	100	090	40	West Asia
0500-0800	Daily	Overcomer Ministry	English	9400	50	090	39,40	Middle East
0500-0800	Daily	Overcomer Ministry	English	11600	100	306	27,28	Europe
0500-0800	Daily	Overcomer Ministry	English	13800	100	195	38,39,47E,48	East Africa
1500-1600	Daily	BBC	Pashto	9910	100	090	40E,41NW	West Asia
1500-1600	Mon-Sat	Overcomer Ministry	English	9400	100	030	39,40	E Europe
1500-1600	Sun	From the Isle of Music	English	9400	100	030	39,40	E Europe
1500-1700	Sat	BBC	Somali	12065	50	195	48	NE Africa

1545-1600	Daily	Bible Voice	Arabic	11600	50	126	27,28,39	Middle East
1600-1630	Daily	BBC	Dari	9910	100	090	40E,41NW	West Asia
1600-1700	Daily	BBC	Persian	5875	100	090	40	West Asia
1600-1700	Daily	Radio Dabanga	Arabic	11640	100	195	39SW,47E,48W	NE Africa
1600-1940	Daily	Overcomer Ministry	English	9400	100	030	39,40	E Europe
1600-1655	Daily	Overcomer Ministry	English	11600	100	306	27,28	Europe
1630-1700	Mon-Fri	BBC	Pashto	9910	100	090	40E,41NW	West Asia
1630-1700	Sat/Sun	BBC	Dari	9910	100	090	40E,41NW	West Asia
1700-1730	Daily	Radio Erena	Tigrinya	9720	100	195	48	NE Africa
1700-1730	Daily	Radio Taiwan Int	Russian	5900	50	030	27,28,29,38	Russia
1700-1800	Daily	BBC	Dari	7550	100	090	40E,41NW	West Asia
1700-2000	Sat	BBC	Somali	7335	50	195	48	NE Africa
1710-1730	Mon/Wed	Bible Voice	Arabic	9490	50	126	38E,39,40W	Middle East
1730-1745	Daily	Bible Voice	Arabic	9490	50	126	38E,39,40W	Middle East
1730-1800	Mo/We/Fr	Radio Erena	Arabic	9720	100	195	48	NE Africa
1730-1800	Tu/Th/Sa/Su	Radio Erena	Tigrinya	9720	100	195	48	NE Africa
1730-1830	Daily	BBC	Persian	5935	100	090	40	West Asia
1800-1830	Daily	BBC	French	9540	50	195	47S,52N,52SE	Central Africa
1800-1900	Daily	BBC	Pashto	7550	100	090	40E,41NW	West Asia
1830-1930	Daily	BBC	Persian	6140	100	090	40	West Asia
1900-1930	Daily	Radio Taiwan Int	French	6005	100	306	27,28,37	Europe
1900-1930	Daily	Radio Taiwan Int	German	5900	100	306	27,28,29,38	Europe
1900-2000	Daily	IRRS	Eng/Ger	7290	50	306	18-20,27-30,37-39	Europe
1915-1944	1/2/4 Fri	World of Radio	English	7290	50	306	18-20,27-30,37-39	Europe
1930-1945	Daily	Bible Voice	Arabic	5900	50	126	27,28,29,38	Middle East
1930-2000	Tue	Wavescan	English	7290	50	306	18-20,27-30,37-39	Europe
1945-2000	Daily	Bible Voice	Arabic	5900	50	195	27,28,29,38	North Africa
1945-2000	Daily	Bible Voice	Arabic	9400	50	126	39,40	Middle East
2005-0500	Daily	Overcomer Ministry	English	5900	50	306	27,28,29,38	Europe

Czech Republic

Radio Prague International

Radio Prague International (Český rozhlas 7) is the official international broadcasting station of the Czech Republic.

Transmitter sites: Although shortwave broadcasts directly from the Czech Republic ceased in 2011, Radio Prague International is now heard on Radio Miami International in Florida and ShortwaveService in Germany

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0130-0200	Tue-Sat	English	5800	Okeechobee FL	100	160	11-16	L America/Caribbean
0200-0230	Daily	Spanish	9955	Okeechobee FL	100	160	10-16	L America/Caribbean
0230-0300	Daily	Spanish	5010	Okeechobee FL	100	181	10-12	L America/Caribbean
0300-0330	Daily	English	9955	Okeechobee FL	100	160	10-16	L America/Caribbean
0400-0430	Daily	English	5800	Okeechobee FL	100	160	11-16	L America/Caribbean
0430-0500	Daily	French	9955	Okeechobee FL	100	160	10-16	L America/Caribbean
1030-1100	Daily	German	6005	Kall, Germany	1	ND	18,19,27,28,29,37N	Europe
1130-1200	Daily	Spanish	5010	Okeechobee FL	100	181	10-12	L America/Caribbean
1300-1330	Mon-Sat	English	9955	Okeechobee FL	100	160	11-16	L America/Caribbean
2100-2130	Daily	English	15770	Okeechobee FL	100	044	9,17,18,27-28	Europe
2130-2200	Daily	French	15770	Okeechobee FL	100	044	9,17,18,27-28	Europe
2300-2330	Daily	French	5850	Okeechobee FL	100	315	2,3	North America
2330-0000	Daily	English	5850	Okeechobee FL	100	315	2,3	North America

Denmark

World Music Radio

World Music Radio (WMR) play a mix of music from all corners of the world, focusing on tropical world music.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
24 hours	Daily	English	5930	Bramming, Denmark	0.2	ND	17-19,27-29,37N	Europe
			25800	Maarslet, Denmark	0.05	ND	5-19,27-60	Worldwide
0700-2000	Sat/Sun	English	15790	Randers, Denmark	0.01	ND	27-29,37-39	Europe, NAF, ME

Radio208

Radio208 plays progressive classic rock from 1964-1984 with no studio hosts.

Time/UTC	Days	kHz	Transmitter site	kW	Az.	CIRAF	Area
24 hours	Daily	5970	Hvidovre, Denmark	0.1	ND	17-19,27-29,37N	Europe

Radio OZ-Viola

Radio OZ-Viola is a small low power legal hobby AM radio station.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
1200-1400	Sat/Sun	English	6055	Hillerød, Denmark	0.1	ND	17-19,27-29,37N	Europe
2200-2300	Wed	English	5980	Hillerød, Denmark	0.1	ND	17-19,27-29,37N	Europe

Radio OZ-Viola on Facebook, 17 December 2021: "For the rest of the B21 (until March) our broadcast will take place at 6055 kHz from 1300 CET [1200 UTC]. This only applies to our weekend broadcast. Our Midnight Jazz is still on 5980 kHz from 2300 CET [2200 UTC Wednesdays]. So remember 6055 kHz in the weekends." "Remember we start up exactly 13:00 CET when the powerful German religious transmission ends on weekends. The Midnight Jazz begins just after 23:00 CET when the Turkish transmitter ends on Wednesdays." (Jan Sorensen on Radio OZ Viola Facebook page via Alan Pennington, BDXC-UK iog)

Finland

Scandinavian Weekend Radio

Scandinavian Weekend Radio (SWR) transmitter site is located in the Virrat city, Upper Tampere Region, Liedempohja village. The station broadcasts mainly on the first Saturday of every month for 24 hours of shortwave, mediumwave and FM starting 0001 local time, +2h (Summer +3h).

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	Ciraf	Area
2200-1000	Fri	Finnish/English	6170	Virrat, Finland	0.4	ND	27,28	Europe
			11690	Virrat, Finland	0.4	ND	27,28	Europe
1000-1400	Sat	Finnish/English	5980	Virrat, Finland	0.4	ND	27,28	Europe
			11720	Virrat, Finland	0.4	ND	27,28	Europe
1400-1700	Sat	Finnish/English	5980	Virrat, Finland	0.4	ND	27,28	Europe
			11690	Virrat, Finland	0.4	ND	27,28	Europe
1700-2200	Sat	Finnish/English	5980	Virrat, Finland	0.4	ND	27,28	Europe
			11720	Virrat, Finland	0.4	ND	27,28	Europe

France

Radio France Internationale

Radio France Internationale, generally known its acronym RFI, is a subsidiary of France Médias Monde, which oversees the audiovisual sector outside France. RFI broadcasts primarily to Africa.

Transmitter sites: Most broadcasts are from Issoudun (see below) and relays in Madagascar and Taiwan.

Note: unless otherwise stated, all shortwave broadcasts are to Africa as indicated by the CIRAF zones.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF
24 hours	Daily	French	3965	Issoudun	1	ND	27 (Europe)
0400-0500	Daily	French	7390	Issoudun	500	135	38S,39S,47E,48,52NE
			9790	Issoudun	500	140	38E,39SE,47E,48,52NE,53
0430-0500	Daily	Swahili	11700	Madagascar	250	305	47SE,48S,52E,53W
0500-0600	Daily	French	6040	Issoudun	500	160	28SW,37E,38NW,38S,46NE,46S,47
			7390	Issoudun	500	157	28SW,37E,38NW,38S,46NE,46S,47
			9790	Issoudun	500	150	28SW,37E,38NW,38S,46NE,47,48NW
			11700	Madagascar	250	305	47SE,48S,52E,53W
0530-0600	Daily	Swahili	11700	Madagascar	250	305	47SE,48S,52E,53W
			0600-0630	Daily	Hausa	7295	Issoudun
9805	Issoudun	500	170			46NE,46S,47N,47SW,52NW	
0600-0700	Daily	French	5925	Issoudun	500	195	37W,46W
			7390	Issoudun	500	180	46,47
			9790	Issoudun	500	165	38SW,46S,47,48NW,52
			11700	Issoudun	500	150	38SW,46S,47,48NW,52
0700-0730	Daily	Mandingo	9710	Issoudun	500	198	46W
0700-0730	Daily	Hausa	11760	Issoudun	500	170	28SW,37E,38NW,38S,46NE,46S,47
			13740	Issoudun	500	170	46NE,46S,47N,47SW,52NW
0700-0800	Daily	French	9790	Issoudun	500	200	37W,46W
			11700	Issoudun	500	185	37S,38W,46,47SW
			15300	Issoudun	500	160	37S,38W,46E,47W,52
			17850	Issoudun	500	155	28SW,37E,38W,46E,47,52,53,57
0730-0800	Daily	Fulani	11875	Issoudun	500	180	46S
0800-0830	Daily	Mandingo	15455	Issoudun	500	198	46W
0800-0900	Daily	French	13695	Issoudun	500	200	37W,46W
			15300	Issoudun	500	180	28SW,36SE,37,38W,46,47W,52N
			17850	Issoudun	500	160	28SW,37E,38W,46E,47,52,53,57
			21580	Issoudun	500	150	37NE,37S,38NW,38S,46,47,52

0830-0900	Daily	Fulani	15455	Issoudun	500	180	46S
0900-1100	Daily	French	15300	Issoudun	500	190	37W,46W
			17690	Issoudun	500	180	28SW,36SE,37,38W,46,47W,52N
			17850	Issoudun	500	160	28SW,37E,38W,46E,47,52,53,57
			21580	Issoudun	500	150	37NE,37S,38NW,38S,46,47,52
1200-1230	Daily	Mandingo	17815	Issoudun	500	198	46W
1200-1300	Daily	French	15300	Issoudun	500	198	37S,38W,46,47SW
			17660	Issoudun	500	175	37S,38W,46,47SW
			21580	Issoudun	500	150	39S,46SE,47,48,52,53,57N,57SW
			21690	Issoudun	500	155	39S,46SE,47,48,52,53,57N,57SW
1300-1330	Daily	Fulani	17660	Issoudun	500	180	46S
1300-1400	Sun	Vietnamese	9650	Taiwan	100	250	49E (South-East Asia)
1500-1600	Daily	Swahili	21690	Issoudun	500	145	47SE,48S,52E,53W
1600-1700	Daily	Hausa	15300	Issoudun	500	170	46NE,46S,47N,47SW,52NW
1700-1730	Daily	Mandingo	11780	Issoudun	500	200	46W
1700-1800	Daily	French	11995	Issoudun	500	195	37S,38W,46,47SW
			13740	Issoudun	500	165	37S,38W,46E,47W,52
			15300	Issoudun	500	155	37E,38,46E,47,48W,52,53W
1730-1800	Daily	Fulfulde	11780	Issoudun	500	180	46S
1800-1900	Daily	French	9790	Issoudun	500	180	46,47,52
			11995	Issoudun	500	200	46
			13740	Issoudun	500	165	47,52,53NW
			15300	Issoudun	500	155	46,47,48SW,52N,52SE,53NW
1900-2000	Daily	French	9635	Issoudun	500	195	37S,38W,46,47SW
			9790	Issoudun	500	185	37,46
			11995	Issoudun	500	180	28SW,37,38W,46,47W,52NW
			13740	Issoudun	500	160	38SW,46E,47,48W,52,53W,57NW
1900-2000	Sun	French	9680	Issoudun	500	150	38SW,46E,47,48W,52,53W,57NW
2000-2030	Daily	Hausa	9760	Issoudun	500	170	46NE,46S,47N,47SW,52NW
2000-2100	Daily	French	7205	Issoudun	500	200	37S,38W,46,47SW
			9790	Issoudun	500	190	28SW,37,38W,46,47SW
2100-2200	Daily	French	7205	Issoudun	500	200	28SW,37,38W,46,47SW
			9790	Issoudun	500	190	28SW,37,38W,46,47SW

TDF International Broadcasting Centre - Issoudun

TDF (which stands for Télédiffusion de France officially renamed TDF in 2004) is a French company which provides radio and television transmission services, services for telecommunications operators, and other multimedia services, digitisation of content, encoding, storage, etc. Its headquarters are located in Paris. It is the dominant partner in the HDRR WiMAX consortium. It is also part of Digital Radio Mondiale.

Transmitter site: The International broadcasting centre of TDF is at Issoudun, a commune in the Indre department, an administrative region of Centre-Val de Loire. The site uses 12 rotary ALLISS antennas fed by 12 transmitters of 500 kW each to transmit shortwave broadcasts by Radio France International (RFI), along with other broadcast services.

Relays via Issoudun: The schedule below is in addition to RFI transmissions which are listed above.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0100-0200	Daily	Radio República	Spanish	9490	150	285	11	Caribbean
0200-0300	Fri-Mon	Radio República	Spanish	9490	150	285	11	Caribbean
0200-0400	Daily	NHK World Japan	Japanese	6105	500	290	10,11	C America
0230-0300	20-26/12	RFPI	Dari	7255	500	040	40E,41NW	Afghanistan
0330-0600	Daily	Radio Dengê Welat	Kurdish/Turkish	9525	250	090	39	Middle East
0330-0430	Daily	Radio Tamazuj	Arabic	7315	250	138	47E,48W	NE Africa
0400-0500	Daily	Radio Algérienne	Arabic/French	6060	500	160	46E,47N,47SW	NW Africa
0430-0500	Mon-Fri	NHK World Japan	English	9865	500	155	53,57	S Africa
0500-0530	Daily	NHK World Japan	English	9865	500	155	53,57	S Africa
0500-0600	Daily	Radio Algérienne	Arabic/French	6060	500	160	46E,47N,47SW	NW Africa
				6105	500	194	46N,46SW	NW Africa
0530-0600	Daily	NHK World Japan	French	7450	500	190	37,46,47	N/W Africa
0600-0630	Daily	NHK World Japan	Arabic	6165	500	140	37-39	NAfrica/ME
0600-0700	Daily	Radio Algérienne	Arabic/French	6105	500	194	46N,46SW	NW Africa
0630-0700	Daily	Deutsche Welle	Hausa	9570	500	175	46,47W	W Africa
				9830	500	165	46,47W	W Africa
0700-0800	Daily	Manara Radio Int	Hausa	13710	100	170	46S,47N,47SW,52NW	W Africa
0800-1000	Daily	NHK World Japan	Japanese	15290	500	190	46,47	W Africa
1300-1400	Daily	Deutsche Welle	Hausa	17800	500	172	46,47W	W Africa
1425-1630	Sat	Deutsche Welle	Hausa	15195	500	168	46,47W	W Africa
				15350	500	175	46,47W	W Africa
1430-1500	Daily	NHK World Japan	Persian	13725	500	090	40	W Asia

1430-1500	Daily	Bible Voice	Nuer	15300	100	135	47,48	NW Africa
1500-1600	Daily	Radio Dengê Welat	Kurdish/Turkish	11530	250	090	39	Middle East
1600-1630	Daily	R Diree Shaggar	Oromo	15330	500	127	48W	NW Africa
1600-1700	Daily	Deutsche Welle	Amharic	11830	500	130	48	NW Africa
				15275	500	130	48	NW Africa
1600-1700	Daily	Manara Radio Int	Hausa	15285	150	170	46S,47N,47SW,52NW	W Africa
1600-1700	Daily	Radio Tamazuj	Arabic/Sudan	15550	150	170	39SW,47E,48W	NW Africa
1600-2200	Daily	Radio Dengê Welat	Kurdish/Turkish	9525	250	090	39	Middle East
1630-1700	20-26/12	RFPI	Dari	7255	500	040	40E,41NW	Afghanistan
1700-1730	Daily	Dimtse Wegahata	Tigrinya	15340	250	127	48W	NW Africa
1700-1800	Daily	NHK World Japan	Japanese	11945	500	155	52,57	S Africa
1800-1830	Daily	Dandal Kura R Int	Kanuri	9850	100	167	46,47	W Africa
1800-1900	Daily	Radio Algérienne	Arabic/French	7375	500	160	46E,47N,47SW	NW Africa
1800-1900	Daily	Deutsche Welle	Hausa	9570	500	170	46,47W	W Africa
				11980	500	172	46,47W	W Africa
1900-2000	Daily	Radio Algérienne	Arabic/French	7315	500	194	46N,46SW	NW Africa
				7375	500	160	46E,47N,47SW	NW Africa
1900-2000	Sun	Radio Taiwan Int	French	9680	500	185	37,46	N/W Africa
1900-2100	Daily	NHK World Japan	Japanese	15130	500	152	46-48,52,53	W/C Africa
2000-2100	Daily	Radio Algérienne	Arabic/French	5940	500	160	46E,47N,47SW	NW Africa
				6140	500	194	46N,46SW	NW Africa
2000-2100	Daily	KBS World Radio	French	5950	250	175	37NE,37S,38,46N,47NW	N/W Africa
2100-2200	Daily	Radio Algérienne	Arabic/French	5940	500	160	46E,47N,47SW	NW Africa
				6040	500	194	46N,46SW	NW Africa
2200-2300	Daily	Radio Taiwan Int	German	3995	100	260	27,28	Europe
2200-2300	Daily	Radio Algérienne	Arabic/German	6040	500	194	46N,46SW	NW Africa

Radio For Peace International

RFPI broadcasts are structured around conferences lasting 45-50 minutes on subjects touching on peace, humanism, human rights, the environment, freedom of the press. The objective is not to impose a reality but to provide food for thought so that everyone can walk in respect, listening, dialogue in order to co-build peace.

Transmitter sites: Broadcasts are via Radio Miami Int., Okeechobee FL, USA and Channel 292, Rohrbach, Germany.

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	CIRAF	Area
0100-0200	Sunday	French	9395	Okeechobee	100	355	3,4,9	N America
0230-0300	20-26 December 2021	Dari	7255	Issoudun	500	090	40E,41NW	Afghanistan
1300-1400	Sunday	French	15770	Okeechobee	100	044	9,17,18,27-28	Europe
1400-1500	3rd Thursday of the month	French	21525	Okeechobee	100	087	36,46-47,52	Africa
1630-1700	20-26 December 2021	Dari	11620	Issoudun	500	090	40E,41NW	Afghanistan
2100-2200	Daily	French	7780	Okeechobee	100	044	9,17,18,27-28	Europe
2100-2200	2nd Saturday of the month	French	6070	Rohrbach	10	ND	18,27,28	Europe
2200-2300	Wednesday	French	9955	Okeechobee	100	160	10-16	C/S America

Radio For Peace International: broadcast to Iran and Afghanistan: Radio For Peace International France in collaboration with Reporters sans Frontières will carry out a campaign to broadcast a podcast for the week of December 20 to 26 inclusive via TDF's facilities in Issoudun. The podcast will be broadcast to Iran and Afghanistan in the Dari language. You will be able to listen to the programme on 7255 kHz from 0230-0300 and on 11620 kHz from 1630-1700. The broadcasts will be carried out with a power of 500 kW. (derived from report by Giovanni Lorenzi IT9TZZ via bclnews.it, 16 Dec. 2021)

Germany

Deutsche Welle

Deutsche Welle (DW) is Germany's public international broadcaster.

Transmitter sites: All DW transmissions have ceased from their own shortwave transmitter sites in Germany and overseas and DW now hires airtime on other facilities.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0630-0700	Daily	Hausa	7235	Pinheira, Sao Tome	100	000	46,47W	West Africa
			9570	Issoudun, France	500	175	46,47W	West Africa
			9830	Issoudun, France	500	165	46,47W	West Africa
1300-1400	Daily	Hausa	9830	Pinheira, Sao Tome	100	000	46,47W	West Africa
			11980	Pinheira, Sao Tome	100	020	46,47W	West Africa
			17800	Issoudun, France	500	172	46,47W	West Africa
1400-1430	Daily	Dari	11990	Dhabbaya, UAE	250	048	40E,41NW	West Asia
			15230	Nauen, Germany	250	100	40E,41NW	West Asia
1430-1500	Daily	Pashto	11990	Dhabbaya, UAE	250	048	40E,41NW	West Asia
			15230	Nauen, Germany	250	100	40E,41NW	West Asia

1600-1700	Daily	Amharic	9555	Issoudun, France	500	130	48		North-East Africa
			11830	Issoudun, France	500	130	48		North-East Africa
1800-1900	Daily	Hausa	9570	Issoudun, France	500	170	46,47W		West Africa
			9830	Pinheira, Sao Tome	100	020	46,47W		West Africa
			11980	Issoudun, France	500	172	46,47W		West Africa

Deutsche Welle also provides coverage of Bundesliga matches in Hausa on most Saturdays during the football season.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
1425-1630	Sat	Hausa	15195	Issoudun, France	500	168	46,47W	West Africa
			15350	Issoudun, France	500	175	46,47W	West Africa

Media Broadcast GmbH - shortwave relays from Nauen

Media Broadcast is Germany's largest service provider in the broadcasting and media industry.

Transmitter site: MBR own and operate the transmitter site at Nauen, a town in the Havelland district, in Brandenburg.

MBR offers airtime to various international and religious broadcasting organisations. The site consists of 2 x 100 kW and 4 x 500 kW (operating at 125 or 250 kW).

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0000-0200	Sun	Mighty KBC Radio	Dutch/English	5960	125	300	2,3,4,6,7,8,9,10	Americas
0300-0330	Daily	Adventist World Radio	Tigrinya	7350	250	250	48	NE Africa
0300-0500	Daily	NHK World Japan	Japanese	7265	250	140	38-40	M East
0430-0500	Daily	NHK World Japan	Russian	6165	125	085	27,28	Europe
0430-0500	Daily	Adventist World Radio	French	7325	250	210	37,38W	N Africa
0500-0515	Fri	Bible Voice Broadcasting	Arabic	9450	250	120	39,40	M East
0600-0615	Daily	Bible Voice Broadcasting	Arabic	9440	125	146	46N,47NW,38W,37S	N Africa
0600-0630	Daily	Adventist World Radio	French	9860	250	200	46S	W Africa
				11640	250	180	46S	W Africa
0700-0800	Daily	Adventist World Radio	Arabic	11980	250	210	37,38W	N Africa
0700-0800	Daily	Dandal Kura Radio Int	Kanuri	13590	125	185	46,47	W Africa
0830-0900	Daily	Adventist World Radio	Tachelhit	15145	250	210	37,38W	NW Africa
1000-1100	Sun	Adventist World Radio	Italian	9610	125	180	28W	Europe
1100-1200	1st Sat/qtr	Radio SE-TA 2	German	6095	100	233	27E,28	Europe
1130-1200	Sat/Sun	Evang. Missions-Gem.	German	6055	125	222	27,28	Europe
1400-1430	Daily	Deutsche Welle	Dari	15230	250	100	40E,41NW	W Asia
1400-1430	1st Sat/mth	Bible Voice Broadcasting	English	11900	250	102	41	S Asia
1430-1445	Sun	Pan American Broadcasting	English	11800	250	094	41	S Asia
1430-1500	Daily	Deutsche Welle	Pashto	15230	250	100	41	S Asia
1430-1500	Sat	Bible Voice Broadcasting	English	11900	250	102	41	S Asia
1530-1600	Daily	HCJB	Russian	9500	100	100	29S	Russia
1600-1630	Daily	HCJB	Chechen	9500	100	100	29S	Russia
1600-1630	Sun-Tue	Bible Voice Broadcasting	Oromo	11790	100	142	38S,39S,47,48	NE Africa
1600-1700	Sun	Pan American Broadcasting	English	6120	125	128	39	M East
1630-1700	Sat/Sun	Bible Voice Broadcasting	Somali	11790	100	142	38S,39S,47,48	NE Africa
1630-1730	Tue	Bible Voice Broadcasting	Amharic	11790	100	142	38S,39S,47,48	NE Africa
1630-1700	Daily	Adventist World Radio	Tigrinya	11955	250	140	48	NE Africa
1630-1700	Daily	Adventist World Radio	Amharic	12040	250	140	48	NE Africa
1630-1700	Daily	Adventist World Radio	Somali	15490	250	140	48	NE Africa
1700-1730	Wed/Thu	Bible Voice Broadcasting	Amharic	11790	100	142	38S,39S,47,48	NE Africa
1700-1730	Sun	Bible Voice Broadcasting	Tigrigna	11790	100	142	38S,39S,47,48	NE Africa
1700-1730	Fri/Sun	Voice of Oromo Liberation	Oromo/Arabic	9610	100	216	38E,39S,48	NE Africa
1700-1800	Wed	Voice of Oromo Liberation	Oromo/Arabic	9610	100	216	38E,39S,48	NE Africa
1700-1900	Daily	NHK World Japan	Japanese	6000	250	140	38-40	M East
1730-1800	Tue/Wed	Bible Voice Broadcasting	Tigrigna	11790	100	142	38S,39S,47,48	NE Africa
1730-1800	Sat	Bible Voice Broadcasting	Oromo	11790	100	142	38S,39S,47,48	NE Africa
1730-1800	Sun	Bible Voice Broadcasting	Amharic	11790	100	142	38S,39S,47,48	NE Africa
1730-1800	Daily	Adventist World Radio	Oromo	11870	250	142	48	NE Africa
1800-1830	Fri	Bible Voice Broadcasting	Persian	7365	100	105	39,40	W Asia
1800-1900	Thu	Bible Voice Broadcasting	Persian	7365	100	105	39,40	W Asia
1830-1900	Tue/Sun	Bible Voice Broadcasting	Persian	7365	100	105	39,40	W Asia
1900-2000	Daily	Adventist World Radio	Arabic	6130	250	210	37,38W	N Africa
1915-1930	Sun	Bible Voice Broadcasting	English	5935	250	130	39,40	M East
1930-2000	Daily	Adventist World Radio	Tachelhit	9495	250	210	37,38W	NW Africa
1930-2015	Sun	Bible Voice Broadcasting	English	6080	125	130	39	M East
2000-2030	Daily	Adventist World Radio	French	7225	250	185	46E,47W	C Africa
2130-2200	Daily	Adventist World Radio	Twi	9805	250	200	46SE	W Africa

USAGM Germany Transmitting Station (shortwave relays from Biblis and Lampertheim)

The USAGM Germany Transmitting Stations at Biblis and Lampertheim are used for Voice of America and RFE/RL transmissions to Africa, the Middle East, and Asia.

Transmitter sites: Biblis is a municipality in the Bergstraße district in southern Hesse. It has 11 x 100 kW shortwave transmitters. Lampertheim is a town in the Bergstraße district in Hesse. it has 9 x 100 kW shortwave transmitters.

Time/UTC	Days	Station	Language	kHz	Site	kW	Az.	CIRAF	Area
0100-0400	Daily	VOA Deewa Radio	Pashto	7470	Lampertheim	100	092	40E,41NW	W Asia
0130-0200	Daily	VOA Radio Ashna	Pashto	7290	Biblis	100	088	40E,41NW	W Asia
0330-0400	Daily	Voice of America	Somali	9825	Lampertheim	100	132	48	NE Africa
0400-0730	Daily	Radio Farda	Persian	12035	Lampertheim	100	108	40	W Asia
0430-0730	Daily	Radio Farda	Persian	9895	Biblis	100	085	40	W Asia
0530-1530	Daily	Radio Farda	Persian	13600	Lampertheim	100	108	40	W Asia
0600-0700	Daily	Radio Free Asia	Tibetan	17675	Biblis	100	085	42,43W	E Asia
0630-1800	Daily	Radio Farda	Persian	12005	Biblis	100	105	40	W Asia
0730-1500	Daily	Radio Farda	Persian	15690	Lampertheim	100	104	40	W Asia
1000-1300	Daily	RFE/RL Mashaal Radio	Pashto	17880	Biblis	100	085	40E,41NW	W Asia
1200-1250	Daily	Voice of America	Kurdish	9340	Biblis	100	105	39N,40W	M East
				12030	Lampertheim	100	108	39N,40W	M East
1330-1630	Daily	Radio Farda	Persian	11695	Lampertheim	100	092	40	W Asia
1400-1500	Daily	RFE/RL Radio Ozodlik	Uzbek	12045	Biblis	100	075	30S	C Asia
				15490	Lampertheim	100	077	30S	C Asia
1400-1500	Daily	Voice of America	Kurdish	15270	Biblis	100	085	39N,40W	M East
1400-1500	Daily	Voice of America	Tibetan	17585	Biblis	100	085	42,43W	E Asia
1400-1500	Daily	RFE/RL Radio Azatlyk	Turkmen	11965	Biblis	100	088	30S	C Asia
1400-1700	Daily	RFE/RL Radio Ozodi	Tajik	9470	Lampertheim	100	075	30SE	C Asia
1500-1530	Daily	Radio Farda	Persian	15690	Biblis	100	085	40	W Asia
1500-1700	Daily	VOA Deewa Radio	Pashto	13590	Lampertheim	100	080	40E,41NW	W Asia
1530-1730	Daily	Radio Farda	Persian	7580	Lampertheim	100	108	40	W Asia
1600-1700	Daily	RFE/RL Radio Ozodlik	Uzbek	9490	Biblis	100	075	30S	C Asia
1600-1800	Daily	Voice of America	Somali	11905	Lampertheim	100	132	48	NE Africa
1600-1900	Daily	VOA Deewa Radio	Pashto	7495	Biblis	100	088	40E,41NW	W Asia
1630-1730	Daily	VOA Radio Ashna	Pashto	9975	Lampertheim	100	075	40E,41NW	W Asia
1700-1800	Daily	Voice of America	Kurdish	7475	Biblis	100	088	39N,40W	M East
				9750	Lampertheim	100	104	39N,40W	M East
				9820	Biblis	100	105	39N,40W	M East
1730-1800	Daily	Voice of America	Oromo	12040	Lampertheim	100	132	48	NE Africa

Privately-owned shortwave transmitters

Several privately-owned shortwave transmitters have been licensed in Germany and the owners either broadcast their own programmes and/or those produced by other organisations. Transmitters currently on-air are:

kHz	Operator	Location	Power	Time/UTC
3955	Radio Channel 292	Rohrbach	10 kW	24 hours
3975	Shortwave Gold	Winsen	1 kW	1800-2200
3985	Shortwaveservice	Kall-Krekei	1 kW	1400-2200
3995	Radio HCJB Deutschland	Weenermoor	1.5 kW	24 hours
5920	Radio HCJB Deutschland	Weenermoor	1.5 kW	0600-1600
6005	Shortwaveservice	Kall-Krekei	1 kW	0800-1600
6070	Radio Channel 292	Rohrbach	10 kW	24 hours
6085	Shortwaveservice	Kall-Krekei	1 kW	0700-1700 (Radio Mi Amigo International)
6115	Radio SE-TA 2	Gera	1 kW	Irregularly 1000-1200
6150	Europa 24	Datteln	0.25 kW	0800-1600
6160	Shortwave Gold	Winsen	1 kW	1800-2200, Sat 1000-1600, Sun 0800-1600
7365	Radio HCJB Deutschland	Weenermoor	3 kW	0800-1300
9670	Radio Channel 292	Rohrbach	10 kW	24 hours

Channel 292

Channel 292 use the transmitter at Rohrbach, which is licensed to Intermedicom GmbH. The schedule includes programmes produced by third party organisations.

Further details: [Channel 292 website](#)

Time/UTC	Days	kHz	Site	kW	Az.	CIRAF	Area
24 hours	Daily	3955	Rohrbach, Waal	10	ND	18,27,28	Europe
24 hours	Daily	6070	Rohrbach, Waal	10	ND	18,27,28	Europe
24 hours	Daily	9670	Rohrbach, Waal	10	ND	18,27,28	Europe

Europa 24 (Radio Marabu)

Europa 24 owns a transmitter at Datteln, which is licensed to Interessengemeinschaft Hochfrequenztechnik e.V. Airtime, and is leased to Radio Marabu, a non-commercial, German radio station with a focus on alternative music.

Further details: [Radio Marabu website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0700-1700	Daily	6150	Datteln	0.25	ND	18,27,28	Europe

Radio HCJB Deutschland

The German department of HCJB in Quito, Ecuador, was founded in 1953 and began producing programmes for German-speakers in Europe and South America. More recently, the Radio HCJB eV working group in Germany has been campaigning for more Christian programmes on the radio and to achieve this a range of programmes for Central Europe has been expanded step by step since 2012, and is now broadcast around the clock. German-language programmes are also produced by partner organisations.

Further details: [Radio HCJB Germany website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0400-0500	Daily	Russian	3995	Weenermoor	1.5	ND	18,27,28	Europe
0500-0400	Daily	German	3995	Weenermoor	1.5	ND	18,27,28	Europe
0600-1600	Daily	German	5920	Weenermoor	1.5	145	18,27,28,37	Europe
0800-1300	Daily	German	7365	Weenermoor	3	145	27,28	Europe

Radio SE-TA 2

Radio SE-TA 2 broadcasts primarily in German to German citizens living outside of Germany. Programmes include information and music from Germany to maintain their connection to home.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>	
1000-1200	irregularly	1000-1200	German	6115	Hartenstein, Germany	1	ND	27,28	Europe
1100-1200	1st Sat of each new quarter	German	6095	Nauen, Germany	125	233	27E,28	Europe	

Shortwave Gold

Shortwaveradio owns and operates shortwave transmitters at Winsen. The station is run by shortwave radio enthusiasts on a non-political and non-commercial basis.

Further details: [Shortwaveradio website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0900-1700	Sun	6160	Winsen, Aller	1	ND	27,28	Europe
1100-1700	Sat	6160	Winsen, Aller	1	ND	27,28	Europe
1700-2300	Daily	3975	Winsen, Aller	1	ND	27,28	Europe
1900-2300	Daily	6160	Winsen, Aller	1	ND	27,28	Europe

Shortwaveservice

The shortwave transmitters at Kall are owned and operated by Shortwaveservice and are located on the site of a former utility radio station of the German police force. As well as its own programmes on Sunday, Shortwaveservice relays an extensive selection of programmes produced by various organisations and also acts as a broker for transmissions aired over Radio CJSC facilities in Armenia.

Further details: [Shortwaveservice website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>	<i>Notes</i>
1500-2300	Daily	3985	Kall, Krekel	1	ND	18,19,27,28,29,37N	Europe	
0800-1900	Daily	6005	Kall, Krekel	1	ND	18,19,27,28,29,37N	Europe	
0700-1700	Daily	6085	Kall, Krekel	20	ND	17,18,19,27,28,29,36,37N,75,80	Europe	Radio Mi Amigo
1000-1400	Daily	7310	Kall, Krekel	1	ND	18,19,27,28,29,37N	Europe	

Other notable German shortwave stations

Deutscher Wetterdienst

Deutscher Wetterdienst (DWD), Germany's National Meteorological Service, broadcasts shipping forecasts for the Baltic and the North Sea each day at the times specified below.

Further details: [DWD website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0600-0630	Daily	5905	Pinneberg	10	ND	18,27,28	Europe
		6180	Pinneberg	10	ND	18,27,28	Europe
1200-1230	Daily	5905	Pinneberg	10	ND	18,27,28	Europe
		6180	Pinneberg	10	ND	18,27,28	Europe
1600-1630	Daily	5905	Pinneberg	10	ND	18,27,28	Europe
		6180	Pinneberg	10	ND	18,27,28	Europe
2000-2030	Daily	5905	Pinneberg	10	ND	18,27,28	Europe
		6180	Pinneberg	10	ND	18,27,28	Europe

Evangelische Missions-Gemeinden

Evangelische Missions-Gemeinden is produced by Missionswerk Evangelische Missions-Gemeinden in Deutschland e.V.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1130-1200	Sat/Sun	German	6055	Nauen, Germany	125	222	27,28	Europe

Radio DARC

Radio DARC is produced by the association of German radio amateurs, Deutscher Amatuer-Radio-Club e.V. (DARC).

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1000-1100	Sun	German	6070	Moosbrunn, Austria	100	ND	18,27-29,37-39	Europe
			9670	Rohrbach, Germany	10	ND	18,27,28	Europe
1500-1600	Mon	German	6070	Rohrbach, Germany	10	ND	18,27,28	Europe
			9670	Rohrbach, Germany	10	ND	18,27,28	Europe
1900-2000	Mon	German	3955	Rohrbach, Germany	10	ND	18,27,28	Europe

Radio Gruss an Bord

NDR Info sends Christmas messages to seafarers all over the world on Christmas Eve 2021. Families and friends wish their loved ones at sea a happy holiday in the traditional programme "Gruss an Bord"! (Greeting on Board). The programme will be broadcast on Christmas Eve from 7 p.m. to 10 p.m. CET on NDR Info and NDR Info Spezial. So that the ships on the world's oceans can receive the traditional broadcast, NDR rents time on shortwave.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF (ocean areas)</i>
1800-2100	Friday 24 Dec 2021	German	6080	Nauen, Germany	125	250	11,27,36,80,81
			9610	Moosbrunn, Austria	100	115	41,49,54,58,79
			9740	Nauen, Germany	125	130	41,48,53,79
			9820	Issoudun, France	250	148	48,53,57,79
			11650	Issoudun, France	250	195	13,15,46,52,57,66
15770	Okeechobee FL, USA	100	044	9,17,18,27-28			

Radio Joystick

Radio Joystick is a long established station that started as a pirate operation but has since been relayed legally on SW.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1100-1200	Sun	German	7330	Moosbrunn, Austria	100	270	27,28	Europe

Radio Öömrang

Radio Öömrang (Amrum) has an annual broadcast usually in February in the North Frisian dialect, German and English. The February date coincides with local festivities in Amrum in the German North Frisian Islands.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1600-1700	Tuesday 21 Feb 2022	North Frisian dialect, German and English	15215	Issoudun	500	300	4,8,9

Studio52 Radio Group

The Studio52 radio group is a network of small hobby radio stations in the Netherlands and Germany. They stream their programmes from studios in the Netherlands and Germany (using the Radio60! streaming service) and sometimes via a shortwave transmitter. The current members are Studio52 (Netherlands), Das Radio (Germany), Radio60! (Germany), Telstar-Radio (Netherlands), Odynn-Radio (Netherlands), Radio Dutchwing (Netherlands) and DJ Nick (Netherlands).

Welle 370

Welle 370 is a monthly programme produced by Förderverein Sender Königs Wusterhausen e.V., the association in charge of maintaining the the museum at the historical "Funckerberg" transmitter site in Königs Wusterhausen.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0800-0900	first Sunday of the month	German	6140	Moosbrunn, Austria	100	270	27E,28NW	Europe

Greece

ERT (I Foni tis Elladas, Voice of Greece)

The Voice of Greece is the international service of Greek state radio. It is heard on shortwave with transmissions primarily for Europe and the Americas. However, these may be irregular and times of operation may vary.

Transmitter site: Avlis, 37 km northeast of Athens, which has 2 x 100 kW & 1 x 150 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>
1900-0800	irreg/Daily	Greek	9420	Avlis, Greece	150	323	01-11,80,36,27-29,38-41	EuMEAm
0800-0917	irreg/Mon-Fri	see below	9420	Avlis, Greece	150	323	01-11,80,36,27-29,38-41	EuMEAm

There may be some variation to the Voice of Greece schedule when they are on air. Ivo Ivanov regularly monitors them and in the past has observed short news bulletins in six languages on 9420 kHz, which may be as follows for B21:

0807-0819 in Arabic, Serbian and Albanian

0819-0907 in Greek with Proto (First) programme

0907-0917 in Spanish, Romanian and Russian, and then off.

Italy

IRRS - NEXUS-IBA

NEXUS-International Broadcasting Association is a coalition of broadcasters and independent programme producers and enjoys official status as a United Nations Non-Governmental Organization (NGO).

Transmitter sites: IRRS operate from offices in Milan, Italy, and Dublin, Ireland, with technical facilities located around the world. Shortwave broadcasts are from sites in Bulgaria and Romania and are primarily to Europe.

0900-1000 Saturday and includes:

Time/UTC	Days	Programme	kHz	Transmitter site	kW	Az.	CIRAF
0900-1000	1st/2nd/3rd Sat	Radio City	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
0900-1000	4th Sat	Radio Rasant	9510	Saftica, Romania	100	ND	18-20,27-30,37-40

1030-1300 Sunday and includes:

Time/UTC	Days	Programme	kHz	Transmitter site	kW	Az.	CIRAF
1030-1100	Sun	Living the Bible	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1100-1130	Sun	News & features	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1130-1145	Sun	United Nations Radio	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1145-1200	Sun	Faithway Baptist Hour	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1200-1230	Sun	AWR Wavescan	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1230-1245	Sun	16 Gwendoline Street	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1245-1300	Sun	News & features	9510	Saftica, Romania	100	ND	18-20,27-30,37-40

1900-2000 Daily and includes:

Time/UTC	Days	Programme	kHz	Transmitter site	kW	Az.	CIRAF
1915-1944	1st/2nd/4th Fri	World of Radio	7290	Kostinbrod, Bulgaria	50	306	18-20,27-30,37-39
1930-2000	Tue	Wavescan	7290	Kostinbrod, Bulgaria	50	306	18-20,27-30,37-39

Note: schedule subject to confirmation; further monitoring will fill in the gaps ...

Moldova

Pridnestrovsky Radioteletsentr

The Pridnestrovsky Radioteletsentr is owned by Russia's national transmitter network operator, the Russian Television and Radio Broadcasting Network (RTRN).

Transmitter site: The Pridnestrovsky Radioteletsentr is situated near Maiac, an urban settlement 11 km northeast of Grigoriopol, Transnistria (Moldova). The site has 5 x 1000 kW shortwave transmitters (believed to be currently operating at 300 kW).

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0230-0430	Daily	BBC	Persian	7485	300	116	40	West Asia
0600-1300	Daily	Radio Dengê Welat	Kurdish/Turkish	11530	300	130	39,40	Middle East
1300-1500	Daily	Radio Dengê Welat	Kurdish/Turkish	11530	300	116	39,40	Middle East
1500-1545	Daily	FEBA Pakistan	Pashto	7590	300	110	41NW	West Asia

Note: there may be further shortwave broadcasts from Grigoriopol for B21 still to be confirmed.

Netherlands

Radio Delta International

Radio Delta International is a dutch free radio station founded in 1971. Nowadays they are broadcasting with a license on 6020 kHz and 6005 kHz 49 meters shortwave with AM modulation. They are using a facility in Elburg the Netherlands.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
2000-2100	Sat	English	6005	Elburg, Gelderland	1	ND	18,27,28,37	Europe
2200-0100	Sat	English	6005	Elburg, Gelderland	1	ND	18,27,28,37	Europe
0600-1800	Sun	English	6020	Elburg, Gelderland	1	ND	18,27,28,37	Europe

Radio Europepe Netherlands

Radio Europepe Netherlands was newly registered with HFCC from 28 June 2021.

Time/UTC	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
irregular	Dutch	6115	Alphen aan den Rijn, Zuid Holland	1	ND	18,27,28,37	Europe

Radio Piepzender

Radio Piepzender is based in Zwolle, east Netherlands. Broadcasts are irregular at present.

Schedule	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
irregular	Dutch	3920	Zwolle, Overijssel	1	ND	18,27,28,37	Europe
		6185	Zwolle, Overijssel	1	ND	18,27,28,37	Europe

Rockpower

Newly registered with HFCC from 28 June 2021.

Time/UTC	Days	Language	Transmitter site	kHz	kW	Az.	CIRAF	Area
0800-0000	Daily	Dutch	Nijmegen, Gelderland	7220	1	ND	18,27,28,37	Europe

Sunlite

Stig Hartvig Nielsen reported on 4 December 2021: The new national DAB+ station in The Netherlands, Sunlite, which was launched on November 9th 2021 with a soft AC format, today at 14 UTC began broadcasting on shortwave 5955 kHz from Westdorpe in Zeeland, near the border with Belgium. Sunlite is using a temporary 75 Watts transmitter 24 hours a day for the next two weeks - and then Sunlite is expected to switch on a brand new 400 Watts transmitter daily at 06-18 UTC. But for the next two weeks DXers have the chance of catching Sunlite during the night (UTC) on 5955 kHz. Correct reports will be verified with an eQSL. Reports should go to: qsl@sunlite.nl. Sunlite is owned and operated by RadioCorp, which also runs 100% NL and SLAM! (via Hard-Core DX)

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
24 hours	Daily	Dutch	5955	Westdorpe, Zeeland	0.075	090	18,27E,28NW	Europe

The Mighty KBC

The Mighty KBC is a European radio station that airs rock n' roll oldies and classic rock to truckers across Europe. It is also aired on shortwave to North America.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0000-0200	Sun	Dutch/English	5960	Nauen, Germany	125	300	2,3,4,6,7,8,9,10	North America



Norway

LKB/LLK Bergen Kringkaster

LKB/LLK Bergen Kringkaster is a museum/heritage radio station at Erdal that is operated by a group of enthusiasts. As well as its own programmes it also aired Radio Northern star, a classic rock and pop radio station operated by Northern Star Media Services AS.

Message from Svern Martinsen, Foreningen Bergen Kringkaster 5895 AM (14 December 2021)

this comes from <https://www.facebook.com/groups/bergenkringkaster/> [google translated] via Glenn Hauser, WOR iog:

Svern Martinsen, December 14th at 4:46 pm

Then we have arrived at the last broadcast day for our AM transmitters on Bergen Kringkaster. A closing program dedicated to FBK Foreningen Bergen Kringkaster runs between 2000 and 2200 tonight on both 1314 and 5895 kHz and online. At 0008 until tomorrow night, our AM broadcasts will be stopped on these frequencies and on 1611 kHz from Frudalsmyrene in Erdal, since our licenses will soon expire. But extension of the licenses has been applied for!

In my farewell speech which is programmed just before midnight, I thank FBK and co-founders LA1TNA Per-Dagfinn Green and LA7CFA Øystein Ask in particular. But thank you to everyone who has helped and made this possible. Thanks also go to NKOM and the Norwegian Media Authority, who have shown us great goodwill and have focused on maintaining activity on the medium and shortwave bands for Norway.

We are the last AM transmitters on the Norwegian mainland after NRK closed on Ingøy 2 years ago. Of course, we also thank the facility owner Askøy Municipality, with cultural director Gunnar Brynjulsen at the helm. We are heard in over 30 countries, from the United States to Russia, and from the Arctic to Sicily.

It has been 12 nice and important years in life so far, and the AM period has lasted for 9 years. I am very grateful for the fellowship and camaraderie we have had. Then we'll see what happens next. We hope that new and permanent licenses will be granted soon. This is also important for emergency preparedness. I would think that many will see this in these pandemic times and more turbulent political times than in a long time. In the meantime, our internet radios continue.

Thank you for listening!

Poland

Radio Poland

Radio Poland is part of Poland's public radio network, Polish Radio.

Transmitter site: Shortwave broadcasts no longer originate from Poland itself, but Radio Poland is heard over the facilities of Shortwaveservice in Germany.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
1600-1630	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe

Romania

Radiocom

Radiocomunicatii S.A. is a Romanian national company, which works under the brand name Radiocom. Radiocom is a leading company in Romania in the sphere of broadcasting and Telecommunication Services supply. As the national transmitter network owner, it also operates the shortwave transmitters at Galbeni, Săftica and Țigănești.

Transmitter sites: There are three shortwave transmitter sites currently operational in Romania:

Galbeni: Galbeni is a village in Filipești, a commune in Bacău County, Western Moldavia. It has 2 x 300 kW DRM-enabled shortwave transmitters.

Săftica: Săftica is a village in Balotești, a commune in the northwestern part of Ilfov County, Muntenia. It has 1 x 100 kW DRM-enabled shortwave transmitter.

Țigănești: Țigănești is a village in Ciolpani, a commune in the northwestern part of Ilfov county, Muntenia. It has 3 x 300 kW DRM-enabled shortwave transmitters.

Radio România Internațional

Radio România Internațional (Romanian: Radio România Internațional, or RRI) is a Romanian radio station owned by the Romanian public radio broadcaster Societatea Română de Radiodifuziune (SRR, the national public radio in Romania) that broadcasts abroad. Prior to 1989, the station was known as Radio Bucharest. According to the Romanian law nr. 41/1994, republished, the SRR produces and broadcasts programmes in the Romanian language and other languages, for worldwide auditorium, to promote the image of Romania, and her internal and external politics.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0000-0100	Daily	Spanish	6040	Galbeni	300	280	12NE	South America
			7325	Galbeni	300	280	12NE	South America
			9600	Țigănești	300	247	14	South America
			11800	Țigănești	300	247	14	South America
0100-0200	Daily	English	5990	Galbeni	300	310	8	North America
			7325	Galbeni	300	310	8	North America
0100-0300	Daily	Romanian	5910	Țigănești	300	307	8	North America
			7420	Țigănești	300	307	8	North America
0200-0300	Daily	French	5990	Galbeni	300	310	4,8	North America
			7410	Galbeni	300	310	4,8	North America
0300-0400	Daily	Spanish	6150	Galbeni	300	310	10	Central America
			7410	Galbeni	300	310	10	Central America
			9740	Țigănești	300	247	14	South America
			11800	Țigănești	300	247	14	South America
0400-0500	Daily	English	6020	Galbeni	300	320	6	North America
			7410	Țigănești	300	337	6	North America
			11790	Galbeni	300	100	41	South Asia
			13720	Țigănești	90	097	41	South Asia (DRM)
0500-0530	Daily	Chinese	11820	Țigănești	300	067	43,44	East Asia
			13720	Țigănești	90	067	43,44	East Asia (DRM)
0500-0600	Daily	Romanian	6145	Galbeni	300	285	27SE	Europe
			7220	Galbeni	90	285	27SE	Europe (DRM)
0530-0600	Daily	Russian	5940	Țigănești	90	037	29	Western Russia (DRM)
			7330	Țigănești	300	037	29	Western Russia
0600-0630	Daily	French	6040	Galbeni	90	285	27SE	Europe (DRM)
			7360	Galbeni	300	285	27SE	Europe
			11790	Țigănești	300	217	46	West Africa
			13730	Țigănești	300	217	46	West Africa
0630-0700	Daily	English	6040	Galbeni	90	300	27N	Europe (DRM)
			7345	Țigănești	300	307	27N	Europe
			17780	Galbeni	300	100	55,58,59	Australia
			21470	Țigănești	300	097	55,58,59	Australia

0700-0730	Daily	German	6175	Țigănești	90	307	28NW	Europe (DRM)
			7345	Galbeni	300	310	28NW	Europe
0730-0800	Daily	Arabic	9610	Galbeni	300	245	37	North Africa
			11660	Galbeni	300	245	37	North Africa
			13630	Țigănești	300	142	39NW	Middle East
			15200	Țigănești	300	142	39NW	Middle East
0800-0900	Sun	Romanian	13630	Țigănești	300	142	39NW	Middle East
			15200	Țigănești	300	142	39NW	Middle East
			15430	Galbeni	300	110	40W	West Asia
			17750	Galbeni	300	110	40W	West Asia
0900-1000	Sun	Romanian	15200	Țigănești	300	142	39S	Middle East
			15430	Galbeni	300	175	38E	North Africa
			17640	Țigănești	300	142	39S	Middle East
			17750	Galbeni	300	175	38E	North Africa
1000-1100	Sun	Romanian	11780	Galbeni	300	285	27SE	Europe
			15200	Țigănești	300	247	37	North Africa
			15260	Galbeni	300	285	27SE	Europe
			17640	Țigănești	300	247	37	North Africa
1100-1200	Daily	French	11780	Galbeni	300	285	27SE	Europe
			15200	Țigănești	300	247	37	North Africa
			15255	Galbeni	300	285	27SE	Europe
			17640	Țigănești	300	247	37	North Africa
1200-1300	Daily	English	13750	Țigănești	300	307	27N	Europe
			15460	Galbeni	300	290	27N	Europe
			17800	Galbeni	300	165	48	North-East Africa
			21470	Țigănești	300	172	48	North-East Africa
1300-1330	Daily	Arabic	11945	Galbeni	300	140	39NW	Middle East
			13630	Țigănești	300	142	39NW	Middle East
			15460	Galbeni	300	245	37	North Africa
			17810	Țigănești	300	247	37	North Africa
1300-1400	Daily	Romanian	7320	Țigănești	300	300	28N	Europe
1300-1400	Daily	Chinese	9610	Țigănești	300	067	43,44	East Asia
			11825	Țigănești	300	067	43,44	East Asia
1400-1500	Daily	Russian	7350	Țigănești	300	052	31S	Eastern Russia
			9490	Țigănești	300	052	31S	Eastern Russia
			9810	Galbeni	300	285	27SE	Western Russia
			11975	Galbeni	300	285	27SE	Western Russia
1400-1600	Daily	Romanian	9810	Galbeni	300	285	27SE	Europe
			11975	Galbeni	300	285	27SE	Europe
1500-1530	Daily	Italian	5955	Săftica	100	270	28SW	Europe
1500-1600	Daily	German	6040	Țigănești	300	307	28NW	Europe
			7330	Țigănești	300	307	28NW	Europe
1530-1600	Daily	Aromanian	5955	Săftica	100	210	28SE	Europe
1600-1630	Daily	Ukrainian	5955	Săftica	100	030	29SW	Europe
1600-1630	Daily	Russian	6030	Țigănești	90	037	29	Western Russia (DRM)
			7290	Țigănești	300	037	29	Western Russia
1630-1700	Daily	Arabic	5925	Țigănești	300	142	39NW	Middle East
			7370	Țigănești	300	142	39NW	Middle East
			9610	Galbeni	300	245	37	North Africa
			11975	Galbeni	300	245	37	North Africa
1630-1700	Daily	Serbian	5955	Săftica	100	270	28SW	Europe
1700-1730	Daily	Italian	5955	Săftica	100	270	28SW	Europe
1700-1800	Daily	French	6025	Țigănești	90	292	27SE	Europe (DRM)
			7325	Țigănești	300	292	27SE	Europe
1700-1800	Mon-Sat	Romanian	7370	Galbeni	300	140	39NW	Middle East
			9810	Galbeni	300	140	39NW	Middle East
1700-1800	Sun	Hebrew	7370	Galbeni	300	140	39NW	Middle East
			9810	Galbeni	300	140	39NW	Middle East
1730-1800	Daily	Aromanian	5955	Săftica	100	210	28SE	Europe
1800-1830	Daily	Ukrainian	5955	Săftica	100	030	29SW	Europe
1800-1900	Daily	English	6030	Țigănești	200	292	27N	Europe
			7350	Țigănești	90	307	27N	Europe (DRM)
1800-2100	Daily	Romanian	5990	Galbeni	300	285	27SE	Europe
			7375	Galbeni	300	285	27SE	Europe
1830-1900	Daily	Serbian	5955	Săftica	100	270	28SW	Europe

1900-1930	Daily	Italian	5955	Săftica	40	270	28SW	Europe (DRM)
1900-2000	Daily	German	6180	Țigănești	300	307	28NW	Europe
			7235	Țigănești	90	307	28NW	Europe (DRM)
1930-2000	Daily	Aromanian	5955	Săftica	100	210	28SE	Europe
2000-2030	Daily	Ukrainian	5930	Săftica	100	030	29SW	Europe
2000-2100	Daily	Spanish	5920	Țigănești	300	277	37NW	Europe
			7235	Țigănești	300	277	27S	Europe
2030-2100	Daily	Serbian	5930	Săftica	100	270	28SW	Europe
2100-2130	Daily	French	6030	Galbeni	90	285	27SE	Europe (DRM)
			7375	Galbeni	300	285	27SE	Europe
2130-2200	Daily	English	6030	Galbeni	90	300	27N	Europe (DRM)
			6170	Țigănești	300	307	8	North America
			7310	Țigănești	300	307	8	North America
			7375	Galbeni	300	300	27N	Europe
2200-2300	Daily	Spanish	9490	Țigănești	90	247	14	South America (DRM)
			11800	Galbeni	300	280	14	South America
2300-0000	Daily	English	6040	Galbeni	90	300	27N	Europe
			7220	Galbeni	300	300	27N	Europe
			7325	Țigănești	300	052	45	East Asia
			9620	Țigănești	300	067	45	East Asia

Țigănești transmitter off air

Dear friends,

Radiocom, the company that provides the broadcast of Radio Romania International programmes, announced the malfunction at the BD 300-1 transmitter from Țigănești (near Bucharest), which transmits RRI shows. Radiocom is making efforts to fix the malfunction. Shortwave frequencies are affected for RRI shows in Romanian (azimut New York, and the Romanian Courier, broadcast on Sundays), English (azimut New York, San Francisco, Nairobi, London, Tokyo and to Australia), French (azimut Paris, Central Africa, Maghreb), German (azimuth Berlin), Spanish (azimuth Madrid, Buenos Aires), Russian (Azimuth Moscow, Novosibirsk), Arabic (Azimut Magreb and Mashrek) and Chinese (Azimut Beijing).

On the other hand, Radiocom announced that it had a mechanical malfunction in the Săftica, transmitter, BD 100-1, which affected the shows in Italian, Serbian, Ukrainian and Aromanian dialect. The malfunction was partially repaired, but we cannot broadcast the shows with 30 degrees Kiev in Ukrainian. Radiocom assured that he is working to completely fix the malfunction from the Săftica transmitter.

We will keep you updated on the situation and invite you to receive RRI programs on the functional frequencies from Țigănești (BD 300-2), Galbeni (ID 300-1 and ID 300-2), on the website (including on demand), on SoundCloud, on applications, through Tuneln and satellite.

(Radio Romania International Facebook page 1200, 8 Nov 2021 - translated from Romanian - via Alan Pennington)



Shortwave relays from Radiocom facilities

This schedule lists relays that are believed to originate from Radiocom transmitters in Romania.

Time/UTC	Days	kHz	Station	Tx site	kW	Az.	CIRAF	Area
0900-1000	Sat	9510	IRRS Milano	Săftica	100	300	18-20,27-30,37-40	Europe
1030-1300	Sun	9510	IRRS Milano	Săftica	100	300	18-20,27-30,37-40	Europe
1600-1630	Tue	15170	Radio Kashmir Civitas	Galbeni	300	100	41NE	South Asia

Note: Radio Kashmir Civitas broadcasts were brokered by IRRS but appear to be off-air at present.

Russia

Radio Purga (DRM transmissions)

Although not in the European-part of Russia, Radio Purga is based in Anadyr and broadcasts a variety of information and music for listeners in Chukotka, Far Eastern Russia. In addition to its FM coverage, it also broadcasts irregularly on shortwave in DRM mode for listeners in the region.

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

<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>
2000-2200	Daily	Russian	6025	Komsomolsk-na-Amur	20	034	26	Chukotka
2200-0100	Daily	Russian	11860	Komsomolsk-na-Amur	20	034	26	Chukotka
0100-0600	Daily	Russian	9850	Komsomolsk-na-Amur	20	034	26	Chukotka
0600-1000	Daily	Russian	6025	Komsomolsk-na-Amur	20	034	26	Chukotka

Slovakia

Radio Slovakia International

Radio Slovakia International (RSI) is Slovakia's official internet-based international broadcaster.

Transmitter sites: Shortwave broadcasts no longer originate from Slovakia, but Radio Slovakia International is heard over the facilities of Radio Miami International in Florida and the ShortwaveService in Germany.

<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	Slovak	5850	Okeechobee FL, USA	100	315	2,3	North America
			7780	Okeechobee FL, USA	100	044	9,17,18,27-28	Europe
0030-0100	Daily	Spanish	5010	Okeechobee FL, USA	100	181	10-12	C/S America.
0030-0100	Daily	English	5850	Okeechobee FL, USA	100	315	2,3	North America
			7780	Okeechobee FL, USA	100	044	9,17,18,27-28	Europe
0330-0400	Mon-Sat	English	7780	Okeechobee FL, USA	100	044	9,17,18,27-28	Europe
0330-0400	Daily	Spanish	9955	Okeechobee FL, USA	100	160	10-16	C/S America
1000-1030	Daily	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1100-1130	Daily	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1200-1230	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1230-1300	Daily	French	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1400-1430	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1430-1500	Daily	French	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1500-1530	Daily	Spanish	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1530-1600	Daily	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1630-1700	Daily	French	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1630-1700	Daily	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
			3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1900-1930	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
			6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1930-2000	Daily	French	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
			6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe

Spain

Radio Exterior de España

Radio Exterior de España (REE) is the international radio service operated by Radio Nacional de España. The station is primarily intended for Spaniards living abroad. It broadcasts 24-hours a day on satellite and the Internet but for limited hours on shortwave. Transmissions are in Spanish, French, Arabic, Ladino, Portuguese, Russian and English.

Transmitter site: Noblejas, a municipality located in the province of Toledo, Castilla-La Mancha. It has 4 x 300 kW shortwave transmitters (operating at 200 kW according to HFCC registrations).

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tr. site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1500-2130	Sat/Sun	Spanish	9690	Noblejas	200	290	4,6-11	North America, Caribbean
			11670	Noblejas	200	161	46,47,52,57	Western Africa
			11940	Noblejas	200	230	12-16	South America
			12030	Noblejas	200	110	38,39,47,48	North Africa/Middle East
1600-1630	Mon-Fri	Spanish	11670	Noblejas	200	161	46,47,52,57	Western Africa
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
1630-1900	Mon-Fri	Spanish	12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
1730-1800	Mon-Fri	Arabic	11670	Noblejas	200	161	46,47,52,57	Western Africa
			12030	Noblejas	200	110	38,39,47,48	Northern Africa, Middle East
1800-1830	Mon-Fri	Russian	11670	Noblejas	200	161	46,47,52,57	Western Africa
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East

1900-2130	Mon-Fri	Spanish	9690	Noblejas	200	290	4,6-11	North America,Caribbean
			11670	Noblejas	200	161	46,47,52,57	Western Africa
			11940	Noblejas	200	230	12-16	South America
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
2130-2300	Mon-Fri	Spanish	11670	Noblejas	200	161	46,47,52,57	Western Africa
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
			11670	Noblejas	200	161	46,47,52,57	Western Africa
2130-2300	Sat/Sun	Spanish	11670	Noblejas	200	161	46,47,52,57	Western Africa
			11940	Noblejas	200	230	12-16	South America
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
2230-2300	Mon-Fri	Arabic	11670	Noblejas	200	161	46,47,52,57	Western Africa
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
2230-2300	Sun	Ladino	9690	Noblejas	200	290	4,6-11	North America,Caribbean
			11670	Noblejas	200	161	46,47,52,57	Western Africa
			11940	Noblejas	200	230	12-16	South America
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
2300-2330	Mo/We/Fr	English	9690	Noblejas	200	290	4,6-11	North America,Caribbean
			11670	Noblejas	200	161	46,47,52,57	Western Africa
			11940	Noblejas	200	230	12-16	South America
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
2300-2330	Tue	Ladino	9690	Noblejas	200	290	4,6-11	North America,Caribbean
			11670	Noblejas	200	161	46,47,52,57	Western Africa
			11940	Noblejas	200	230	12-16	South America
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
2330-0000	Mo/We/Fr	French	9690	Noblejas	200	290	4,6-11	North America,Caribbean
			11670	Noblejas	200	161	46,47,52,57	Western Africa
			11940	Noblejas	200	230	12-16	South America
			12030	Noblejas	200	110	38,39,47,48	North Africa, Middle East
0000-0030	Tue-Sat	Portuguese	9690	Noblejas	200	290	4,6-11	North America,Caribbean
			11940	Noblejas	200	230	12-16	South America
0030-0300	Tue-Sat	Spanish	9690	Noblejas	200	290	4,6-11	North America,Caribbean
			11940	Noblejas	200	230	12-16	South America

Private radio stations on shortwave

Radio Mi Amigo International

Radio Mi Amigo International is a Spanish-based Internet radio station that also broadcasts on shortwave during the daytime. It's mission is to bring back "the Golden Era of Offshore AM Radio".

Transmitter site: Radio Mi Amigo International is heard over the facilities of ShortwaveService in Germany.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0700-1700	Daily	English/Dutch/French/German	6085	Kall, Krekel, Germany	20	ND	27,28,29	Europe

Sweden

IBRA Media

IBRA Media, formerly IBRA Radio, is a Swedish-based Christian media organisation that is owned by Pentecostal churches in the Nordic countries.

Transmitter sites: IBRA Media shortwave broadcasts are brokered by Encompass and currently relayed by transmitters in Armenia, UAE, UK and Uzbekistan.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0230-0300	Daily	Dari	9895	Dhabbaya, UAE	250	045	40E	West Asia
0800-0830	Daily	Arabic	15260	Woofferton, UK	250	107	39NE	Middle East
0830-1030	Daily	Dari	15490	Dhabbaya, UAE	250	045	40E	West Asia
1500-1530	Daily	Bengali	5895	Tashkent, Uzbekistan	100	131	41N	South Asia
1600-1630	Daily	Afar	11655	Dhabbaya, UAE	250	230	48NW	North-East Africa
1615-1630	Daily	Amharic	9540	Dhabbaya, UAE	250	225	48W	North-East Africa
1630-1700	Daily	Amharic	9540	Dhabbaya, UAE	250	225	48W	North-East Africa
1700-1730	Daily	Oromo	9540	Dhabbaya, UAE	250	225	48W	North-East Africa
1700-1800	Daily	Arabic	9775	Woofferton, UK	250	105	39SE	Middle East
1730-1800	Daily	Silt'e	7510	Yerevan, Armenia	300	192	48SW	North-East Africa
1730-1800	Daily	Tigrinya	9540	Dhabbaya, UAE	250	225	48W	North-East Africa
1730-1900	Daily	Arabic	9515	Woofferton, UK	250	122	47E,48W	North-East Africa
			11965	Woofferton, UK	250	122	47E,48W	North-East Africa

Radio Nord Revival

Radio Nord Revival was last on the air on 4 & 5 September 2021. Göran Lindemark, Radio Nord Revival Facebook Group wrote beforehand "Radio Nord Revival has now received a broadcast permit September 4-5. There will be broadcasts from Kastellet in Vaxholm on FM 91,9 MHz. And on a short wave from Julita in Sörmland. We have received three alternative frequencies in the 49 meter band: 6035, 6060 and 6130 kHz. (Göran Lindemark, Radio Nord Revival Facebook Group, 26 August 2021 - translated from Swedish via Alan Pennington, BDXC iog)

Switzerland

SRG SSR

The Swiss Broadcasting Corporation (SRG SSR; German: Schweizerische Radio und Fernsehgesellschaft, French: Société Suisse de Radiodiffusion et Télévision, Italian: Società Svizzera di Radiotelevisione, Romansh: Societad Svizra da Radio e Televisiun) is the Swiss public broadcasting association.

Transmitter site: SRG SSR has daily transmissions via ShortwaveService in Germany.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
1030-1100	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1600-1700	Daily	German	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe

Ukraine

Radio Ukraine International

RUI is the foreign service of the National Public Broadcasting Company of Ukraine.

Transmitter site: Radio Ukraine International no longer broadcasts from its own transmitters in Ukraine, but it is aired over the facilities of ShortwaveService in Germany.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0900-1000	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe

United Kingdom

BBC World Service

The BBC World Service is an international broadcaster owned and operated by the BBC. It broadcasts radio news, speech and discussions to many parts of the world on analogue and digital shortwave platforms, internet streaming, podcasting, satellite, DAB, FM and MW relays.

Transmitter sites: BBC World Service shortwave broadcasts originate from a number of locations worldwide.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0000-0030	Daily	English	5875	Yerevan, Armenia	300	100	41,42SW	South Asia
			5980	A'Seela, Oman	250	063	41,42SW	South Asia
			7465	Kranji, Singapore	250	340	49NW	South-East Asia
			9560	Kranji, Singapore	125	340	49NW	South-East Asia
			17800	Tinang, Philippines	250	283	49NW	South-East Asia
0030-0100	Daily	Dari	5930	Moosbrunn, Austria	300	095	40E,41NW	West Asia
			7445	Woofferton, UK	250	086	40E,41NW	West Asia
0030-0100	Daily	English	5875	Yerevan, Armenia	300	100	41,42SW	South Asia
			5980	A'Seela, Oman	250	063	41,42SW	South Asia
0100-0130	Daily	Pashto	5930	Moosbrunn, Austria	300	095	40E,41NW	West Asia
			6195	A'Seela, Oman	250	035	40E,41NW	West Asia
			7445	Woofferton, UK	250	086	40E,41NW	West Asia
0100-0200	Daily	English	5980	A'Seela, Oman	250	063	41,42SW	South Asia
			12095	Kranji, Singapore	250	315	41,42SW	South Asia
0130-0200	Daily	Dari	5930	Moosbrunn, Austria	300	095	40E,41NW	West Asia
			6195	A'Seela, Oman	250	035	40E,41NW	West Asia
			7445	Woofferton, UK	250	086	40E,41NW	West Asia
0200-0230	Daily	Pashto	5875	Yerevan, Armenia	300	100	40E,41NW	West Asia
			6195	A'Seela, Oman	250	035	40E,41NW	West Asia
			7445	A'Seela, Oman	250	035	40E,41NW	West Asia
0230-0300	Daily	Dari	5875	Yerevan, Armenia	300	100	40E,41NW	West Asia
			6195	A'Seela, Oman	250	035	40E,41NW	West Asia
			7445	A'Seela, Oman	250	035	40E,41NW	West Asia
0230-0330	Daily	Persian	5930	Dhabbaya, UAE	250	035	40	West Asia
			6010	Kostinbrod, Bulgaria	250	100	40	West Asia
			6095	Woofferton, UK	250	090	40	West Asia
			7485	Grigoriopol, PMR	300	116	40	West Asia

0300-0330	Daily	Pashto	7300	Dhabbaya, UAE	250	045	40E,41NW	West Asia
			9410	Dhabbaya, UAE	250	060	40E,41NW	West Asia
			11870	Yerevan, Armenia	300	100	40E,41NW	West Asia
0300-0400	Daily	Arabic	5945	Dhabbaya, UAE	250	255	47E,48NW	North-East Africa
			7425	Woofferton	250	140	47NE,48NW	North-East Africa
0300-0400	Daily	English	6195	A'Seela, Oman	250	320	30S,39NE,40	West Asia
			7285	A'Seela, Oman	250	010	30S,39NE,40	West Asia
0330-0430	Daily	Persian	6010	Tashkent, Uzbekistan	100	236	40	West Asia
			6095	A'Seela, Oman	250	335	40	West Asia
			7485	Grigoriopol, PMR	300	116	40	West Asia
0400-0430	Daily	Somali	13790	Talata V, Madagascar	250	000	48	North-East Africa
			15420	Dhabbaya, UAE	250	225	48	North-East Africa
0400-0500	Daily	Arabic	7425	Woofferton, UK	250	140	47E,48NW	North-East Africa
0400-0500	Daily	English	9510	A'Seela, Oman	250	320	30S,39NE,40	West Asia
			9915	Talata V, Madagascar	250	315	48SW,53NW	East Africa
			12095	A'Seela, Oman	250	010	30S,39NE,40	West Asia
0430-0500	Daily	Persian	9410	Dhabbaya, UAE	250	035	40	West Asia
			11905	A'Seela, Oman	250	335	40	West Asia
			13750	Tashkent, Uzbekistan	100	236	40	West Asia
0430-0500	Daily	Dari	13850	Yerevan, Armenia	300	100	40E,41NW	West Asia
			15310	Dhabbaya, UAE	250	035	40E,41NW	West Asia
0500-0530	Daily	Persian	9410	Dhabbaya, UAE	250	035	40	West Asia
			11905	A'Seela, Oman	250	335	40	West Asia
			13750	Tashkent, Uzbekistan	100	236	40	West Asia
0500-0530	Daily	Pashto	13850	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0500-0600	Daily	Arabic	15335	Dhabbaya, UAE	250	255	47E,48NW	West Asia
			0500-0600	Sat	Rw-Rundi	9740	Woofferton, UK	250
			15490			Dhabbaya, UAE	250	225
0500-0600	Daily	English	17815	Yerevan, Armenia	300	192	48SW,53NW	East Africa
			6005	SMG, Vatican City	250	195	46	West Africa
			6195	Ascension Island	125	065	47SW,52	Central Africa
0500-0600	Daily	English	7285	Ascension Island	125	027	46	West Africa
			13865	Talata V, Madagascar	250	265	52SW,53SW,57N	Central Africa
			15420	Dhabbaya, UAE	250	225	48SW,53NW	East Africa
0529-0600	Daily	Hausa	5975	Woofferton, UK	125	160	46SE	West Africa
			6135	Ascension Island	125	065	46SE	West Africa
			7305	Ascension Island	125	055	46SE	West Africa
0529-0600	Sun	Rw-Rundi	9740	Woofferton, UK	250	140	48SW,53NW	East Africa
			15490	Dhabbaya, UAE	250	225	48SW,53NW	East Africa
			17815	Yerevan, Armenia	300	192	48SW,53NW	East Africa
0530-0600	Daily	Dari	13850	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0559-0700	Daily	English	3955	Woofferton, UK	100	114	27SE,28NW	Europe (DRM)
0600-0629	Daily	French	5875	Ascension Island	250	027	46	West Africa
			6135	SMG, Vatican City	250	234	37	North Africa
			7265	Woofferton, UK	125	170	37	North Africa
			9820	Ascension Island	250	070	47S,52N,52SE	Central Africa
0600-0630	Daily	Pashto	13850	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0600-0700	Daily	Arabic	15335	A'Seela, Oman	250	260	47E,48NW	North-East Africa
0600-0700	Daily	English	7445	Woofferton, UK	250	180	46	West Africa
			9410	Ascension Island	125	065	47SW,52	Central Africa
			12085	Pinheira, Sao Tome	100	138	52SE,53SW,57N	Central Africa
			13865	SMG, Vatican City	250	169	47SW,52	Central Africa
			15420	Talata V, Madagascar	250	315	48SW,53NW	East Africa
			17640	Talata V, Madagascar	250	265	52SE,53SW,57N	Central Africa
			0629-0700	Daily	Hausa	5975	Ascension Island	250
0629-0700	Daily	Hausa	7305	Ascension Island	125	065	46SE	West Africa
			17815	Dhabbaya, UAE	250	260	46SE	West Africa
			0630-0700	Daily	Dari	13850	A'Seela, Oman	250
15310	A'Seela, Oman	250	035			40E,41NW	West Asia	
0700-0729	Daily	French	9440	Ascension Island	250	027	46	West Africa
			11660	Ascension Island	250	070	47S,52N,52SE	Central Africa
0700-0730	Daily	Pashto	13850	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia

0700-0800	Daily	English	9410	Pinheira, Sao Tome	100	335	46	West Africa
			9745	Pinheira, Sao Tome	100	088	47SW,52	Central Africa
			12095	Ascension Island	125	027	46	West Africa
			15400	Pinheira, Sao Tome	100	138	52SE,53SW,57N	Central Africa
			15420	Talata V, Madagascar	250	315	48SW,53NW	East Africa
			17640	Talata V, Madagascar	250	265	52SE,53SW,57N	Central Africa
			17830	SMG, Vatican City	250	170	47SW,52	Central Africa
0730-0800	Daily	Dari	13740	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0759-0900	Daily	English	15620	Kranji, Singapore	100	315	41 - DRM	South Asia
0800-0830	Daily	Pashto	13740	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0830-0900	Daily	Dari	13740	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0900-0930	Daily	Pashto	13740	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0930-1000	Daily	Dari	13740	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
1000-1030	Daily	Pashto	13740	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
1000-1100	Daily	English	6195	Kranji, Singapore	125	000	49W	South-East Asia
			6195	Kranji, Singapore	125	090	51W,54	South-East Asia
			9580	Kranji, Singapore	125	013	43SE,44SW,49E	South-East Asia
			9580	Kranji, Singapore	125	135	51W,54	South-East Asia
			11945	Kranji, Singapore	125	340	49W	South-East Asia
1030-1100	Daily	Dari	13740	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
1100-1130	Daily	Pashto	13740	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
1100-1130	Daily	Somali	17745	Dhabbaya, UAE	250	225	48	North-East Africa
			21470	Talata V, Madagascar	125	350	48	North-East Africa
1100-1200	Daily	English	6195	Kranji, Singapore	125	000	49W	South-East Asia
			6195	Kranji, Singapore	125	090	51W,54	South-East Asia
			9580	Kranji, Singapore	125	013	43SE,44SW,49E	South-East Asia
			9580	Kranji, Singapore	125	135	51W,54	South-East Asia
			11945	Kranji, Singapore	125	330	49W	South-East Asia
1130-1200	Daily	Dari	13740	A'Seela, Oman	250	035	40E,41NW	West Asia
1130-1500	Sat	Somali	15420	Dhabbaya, UAE	250	225	48	North-East Africa
			17745	Dhabbaya, UAE	250	225	48	North-East Africa
1130-1700	Sat	Hausa	17780	Ascension Island	250	065	46SE	West Africa
1200-1230	Daily	French	17640	Ascension Island	250	027	46	West Africa
			17830	Woofferton, UK	125	170	37	North Africa
			21630	Ascension Island	250	070	47S,52N,52SE	Central Africa
1200-1300	Daily	English	11850	Kranji, Singapore	250	013	43E,44	East Asia
			12065	A'Seela, Oman	250	063	41,42SW	South Asia
			15310	A'Seela, Oman	250	080	41,42SW	South Asia
1200-1400	Daily	Pashto	13740	A'Seela, Oman	250	035	40E,41NW	West Asia
1300-1400	Daily	English	9410	A'Seela, Oman	250	063	41,42SW	South Asia
			12065	Kranji, Singapore	250	320	41,42SW	South Asia
1330-1400	Daily	Bengali	9510	Kranji, Singapore	250	320	41NE	South Asia
			9900	Trincomalee, Sri Lanka	125	015	41NE	South Asia
			11750	A'Seela, Oman	125	080	41NE	South Asia
1330-1400	Daily	Burmese	7485	Kranji, Singapore	250	340	49NW	South-East Asia
			9560	Tinang, Philippines	250	283	49NW	South-East Asia
			11995	Kranji, Singapore	125	340	49NW	South-East Asia
1330-1430	Daily	Burmese	5845	Kranji, Singapore	100	340	49NW	South-East Asia (DRM)
1400-1430	Mon-Fri	Hausa	17780	Ascension Island	250	065	46SE	West Africa
			21490	Ascension Island	125	055	46SE	West Africa
			21630	Dhabbaya, UAE	250	260	46SE	West Africa
1400-1500	Daily	Dari	5975	A'Seela, Oman	250	035	40E,41NW	West Asia
			7465	Kranji, Singapore	250	315	40E,41NW	West Asia
			11725	A'Seela, Oman	250	035	40E,41NW	West Asia
1400-1500	Daily	Somali	12065	Talata V, Madagascar	250	000	48	North-East Africa
			15420	Dhabbaya, UAE	250	225	48	North-East Africa
			21470	SMG, Vatican City	250	130	48	North-East Africa

1500-1600	Daily	Pashto	5975	A'Seela, Oman	250	035	40E,41NW	West Asia			
			7465	Kranji, Singapore	250	315	40E,41NW	West Asia			
			9910	Kostinbrod, Bulgaria	250	090	40E,41NW	West Asia			
1500-1600	Daily	Persian	5875	Tashkent, Uzbekistan	100	236	40	West Asia			
			6195	A'Seela, Oman	250	335	40	West Asia			
1500-1600	Daily	English	7485	Kranji, Singapore	250	315	30S,39NE,40	West Asia			
			9410	A'Seela, Oman	250	225	48SW,53NW	North-East Africa			
1500-1700	Sat	Somali	12065	Kostinbrod, Bulgaria	250	141	48	North-East Africa			
			15420	Dhabbaya, UAE	250	225	48	North-East Africa			
1530-1830	Daily	Korean	5845	Tinang, Philippines	250	021	44NE	East Asia			
			5895	Dushanbe, Tajikistan	250	072	44NE	East Asia			
			7355	Kranji, Singapore	250	025	44NE	East Asia			
			12095	Kranji, Singapore	250	025	44NE	East Asia			
1600-1630	Daily	Dari	5975	A'Seela, Oman	250	035	40E,41NW	West Asia			
			7465	Kranji, Singapore	250	315	40E,41NW	West Asia			
			9910	Kostinbrod, Bulgaria	250	090	40E,41NW	West Asia			
1600-1700	Daily	Persian	5875	Kostinbrod, Bulgaria	250	100	40	West Asia			
			6195	A'Seela, Oman	250	335	40	West Asia			
1600-1700	Daily	English	7445	Talata V, Madagascar	250	320	48SW,53NW	East Africa			
			7485	Kranji, Singapore	250	315	30S,39NE,40	West Asia			
			17640	Ascension Island	125	115	52SE,53SW,57N	Central Africa			
			17830	Ascension Island	125	085	47SW,52	Central Africa			
			21630	Ascension Island	125	114	52SE,53SW,57N	Central Africa			
1630-1700	Daily	Bengali	7265	A'Seela, Oman	125	080	41NE	South Asia			
			9585	Kranji, Singapore	250	320	41NE	South Asia			
1630-1700	Mon-Fri	Rw-Rundi	9820	Dhabbaya, UAE	250	225	48SW,53NW	East Africa			
			15420	Talata V, Madagascar	125	300	48SW,53NW	East Africa			
1630-1700	Mon-Fri	Pashto	5975	A'Seela, Oman	250	035	40E,41NW	West Asia			
			7495	Kranji, Singapore	250	315	40E,41NW	West Asia			
			9910	Kostinbrod, Bulgaria	250	090	40E,41NW	West Asia			
1630-1700	Sat/Sun	Dari	5975	A'Seela, Oman	250	035	40E,41NW	West Asia			
			7495	Kranji, Singapore	250	315	40E,41NW	West Asia			
			9910	Kostinbrod, Bulgaria	250	090	40E,41NW	West Asia			
1700-1800	Daily	Arabic	9585	Dhabbaya, UAE	250	255	47E,48NW	North-East Africa			
1700-1800	Daily	Dari	5875	Yerevan, Armenia	300	100	40E,41NW	West Asia			
			6090	A'Seela, Oman	250	035	40E,41NW	West Asia			
			7465	Kranji, Singapore	250	315	40E,41NW	West Asia			
			7550	Kostinbrod, Bulgaria	250	090	40E,41NW	West Asia			
			6195	A'Seela, Oman	250	320	30S,39NE,40	West Asia			
1700-1800	Daily	English	7265	Talata V, Madagascar	125	265	52SE,53SW,57N	Central Africa			
			7445	Talata V, Madagascar	250	320	48SW,53NW	East Africa			
			7485	Kranji, Singapore	250	315	30S,39NE,40	West Asia			
			15400	Ascension Island	125	027	46	West Africa			
			17780	Ascension Island	125	150	46	West Africa			
			17830	Ascension Island	125	085	47SW,52	Central Africa			
			1700-1930	Sat	Hausa	12065	Woofferton, UK	250	152	46SE	West Africa
			15685	Ascension Island	250	065	46SE	West Africa			
1700-2000	Sat	Somali	7335	Kostinbrod, Bulgaria	250	141	48	North-East Africa			
			9465	Dhabbata, UAE	250	225	48	North-East Africa			
1730-1750	Mon-Fri	Amharic	9600	A'Seela, Oman	125	240	48	North-East Africa			
			9800	SMG, Vatican City	250	130	48	North-East Africa			
			12065	Dhabbaya, UAE	250	230	48	North-East Africa			
1730-1830	Daily	Persian	5935	Kostinbrod, Bulgaria	250	100	40	West Asia			
1750-1810	Mon-Fri	Oromo	9600	A'Seela, Oman	125	240	48	North-East Africa			
			9800	SMG, Vatican City	250	130	48	North-East Africa			
			12065	Dhabbaya, UAE	250	230	48	North-East Africa			
			15490	Ascension Island	250	027	46	West Africa			
1800-1830	Daily	French	7295	Woofferton, UK	250	170	37	North Africa			
			9540	Kostinbrod, Bulgaria	250	180	47S,52N,52SE	Central Africa			
			9750	SMG, Vatican City	250	146	53S	SEast Africa			
			11660	SMG, Vatican City	250	210	46	West Africa			
			15490	Ascension Island	250	027	46	West Africa			
1800-1900	Daily	Arabic	9585	Dhabbaya, UAE	250	255	47NE,48NW	North-East Africa			
1800-1900	Daily	Pashto	5875	Yerevan, Armenia	300	100	40E,41NW	West Asia			
			6090	A'Seela, Oman	250	035	40E,41NW	West Asia			
			7465	Kranji, Singapore	250	315	40E,41NW	West Asia			
			7550	Kostinbrod, Bulgaria	250	090	40E,41NW	West Asia			

1800-1900	Daily	English	6195	A'Seela, Oman	250	320	30S,39NE,40	West Asia			
			7265	Talata V, Madagascar	125	265	52SE,53SW,57N	Central Africa			
			7445	Talata V, Madagascar	250	320	48SW,53NW	East Africa			
			7485	Kranji, Singapore	250	315	30S,39NE,40	West Asia			
			9410	Ascension Island	250	085	48SW,53NW	East Africa			
			9915	Woofferton, UK	125	170	46	West Africa			
			11810	Woofferton	125	158	47SW,52	Central Africa			
			15400	Ascension Island	125	027	46	West Africa			
			1810-1830	Mon-Fri	Tigrinya	9600	A'Seela, Oman	125	240	48	North-East Africa
						9800	SMG, Vatican City	250	130	48	North-East Africa
12065	Dhabbaya, UAE	250				230	48	North-East Africa			
1830-1850	Mon-Fri	Amharic	9600	A'Seela, Oman	125	240	48	North-East Africa			
			9705	SMG, Vatican City	250	130	48	North-East Africa			
1830-1930	Daily	Persian	6140	Kostinbrod, Bulgaria	250	100	40	West Asia			
1850-1910	Mon-Fri	Oromo	9600	A'Seela, Oman	125	240	48	North-East Africa			
			9705	SMG, Vatican City	250	130	48	North-East Africa			
1900-2000	Daily	Arabic	6150	Dhabbaya, UAE	250	255	47E,48NW	North-East Africa			
1900-2000	Daily	English	6195	Pinheira, Sao Tome	100	188	52SE,53SW,57N	Central Africa			
			7265	Talata V, Madagascar	125	265	52SE,53SW,57N	Central Africa			
			7445	Talata V, Madagascar	250	320	48SW,53NW	East Africa			
			9410	Dhabbaya, UAE	250	225	48SW,53NW	East Africa			
			11810	Woofferton, UK	250	158	47SW,52	Central Africa			
			12095	Ascension Island	125	027	46	West Africa			
			1910-1930	Mon-Fri	Tigrinya	9600	A'Seela, Oman	125	240	48	North-East Africa
						9705	SMG, Vatican City	250	130	48	North-East Africa
			1930-2000	Sun-Thu	Hausa	9545	Woofferton, UK	125	160	46SE	West Africa
						11660	Ascension Island	125	055	46SE	West Africa
15490	Ascension Island	250				065	46SE	West Africa			
1930-2030	Sat	Hausa	9545	Woofferton, UK	125	160	46SE	West Africa			
			11660	Ascension Island	125	055	46SE	West Africa			
			15490	Ascension Island	250	065	46SE	West Africa			
			6150	A'Seela, Oman	125	260	47E,48NW	North-East Africa			
2000-2100	Daily	English	11810	Woofferton, UK	250	158	47SW,52	Central Africa			
			12095	Ascension Island	125	027	46	West Africa			
			2100-2200	Mon-Fri	English	11810	Ascension Island	125	065	47SW,52	Central Africa
12095	Ascension Island	125				027	46	West Africa			
2200-2300	Daily	English	3915	Kranji, Singapore	250	000	43SE,44SW,49E	South-East Asia			
			5890	Kranji, Singapore	250	013	43SE,44SW,49E	South-East Asia			
			5960	A'Seela, Oman	250	060	43E,44	East Asia			
			6150	Tinang, Philippines	250	200	51W,54	South-East Asia			
			6195	Kranji, Singapore	125	000	49W	South-East Asia			
			6195	Kranji, Singapore	125	090	51W,54	South-East Asia			
			7300	A'Seela, Oman	250	085	49W	South-East Asia			
			2300-0000	Daily	English	3915	Kranji, Singapore	250	000	43SE,44SW,49E	South-East Asia
5890	Kranji, Singapore	250				013	43SE,44SW,49E	South-East Asia			
6195	Kranji, Singapore	125				000	49W	South-East Asia			
6195	Kranji, Singapore	125				090	51W,54	South-East Asia			
11825	Tinang, Philippines	250				200	51W,54	South-East Asia			

Shortwave relays from Woofferton

The Woofferton Transmitting Station is located about three miles south-south west of Ludlow in Shropshire, near to the Shropshire-Herefordshire border. It is owned and operated by Encompass Digital Media Services Ltd. It has 6 x 250 kW & 4 x 300 kW shortwave transmitters (operating at 100 (for DRM), 125, 250 & 300 kW according to HFCC registrations).

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0030-0100	Daily	BBC	Dari	7445	250	086	40E,41NW	West Asia
0100-0130	Daily	BBC	Pashto	7445	250	086	40E,41NW	West Asia
0130-0200	Daily	BBC	Dari	7445	250	086	40E,41NW	West Asia
0230-0330	Daily	BBC	Persian	6095	250	090	40	West Asia
0300-0500	Daily	BBC	Arabic	7425	250	140	47E,48NW	North-East Africa
0500-0600	Daily	Radio Ndarason Int	Kanuri	7425	250	158	46SE	North Central Africa
0500-0600	Daily	BBC	English	6195	300	160	47SW,52	Central Africa
0500-0600	Sat	BBC	Rw-Rundi	9740	250	140	48SW,53NW	North-East Africa
0529-0600	Daily	BBC	Hausa	5975	125	160	46SE	West Africa
0529-0600	Sun	BBC	Rw-Rundi	9740	250	140	48SW,53NW	North-East Africa
0559-0700	Daily	BBC	English	3955	100	114	27SE,28NW	Europe
0600-0629	Daily	BBC	French	7265	125	170	37	North Africa

0600-0700	Daily	BBC	English	7445	250	180	46	West Africa
				9410	300	152	47SW,52	Central Africa
0600-0700	Daily	Radio Ndarason Int	Kanuri	9535	250	158	46SE	North Central Africa
0700-0729	Daily	Radio Ndarason Int	Kanuri	9535	250	158	46SE	North Central Africa
0700-0800	Daily	KBS World Radio	Korean	6045	250	102	28	Europe
				7445	250	105	28	Europe
0800-0830	Daily	IBRA Media	Arabic	15260	250	106	39NE	Middle East
1200-1230	Daily	BBC	French	17830	125	170	37	North Africa
1400-1430	Mon-Fri	BBC	Hausa	21630	250	165	46SE	West Africa
1400-1500	Daily	Voice of America	Kurdish	15600	250	102	39N,40W	Middle East
1430-1500	Daily	VOA Radio Ashna	Pashto	9835	300	075	40E,41NW	West Asia
1500-1630	Daily	VOA Radio Ashna	Dari	9835	300	075	40E,41NW	West Asia
1500-1700	Sat	BBC	Somali	17745	250	126	48	North-East Africa
1600-1800	Daily	Voice of America	Somali	11610	250	126	48	North-East Africa
1630-1700	Daily	Voice of America	English	13685	300	135	47E,48W	North-East Africa
1630-1700	Daily	Voice of America	Swahili	15260	300	140	47S,48S,52,53	North-East Africa
1700-1800	Daily	IBRA Media	Arabic	9775	250	105	39SE	Middle East
1700-1800	Daily	BBC	English	17780	125	150	46	West Africa
1700-1930	Sat	BBC	Hausa	12065	250	152	46SE	West Africa
1730-1800	Mon-Fri	Voice of America	Oromo	9485	300	126	48	North-East Africa
1730-1900	Daily	IBRA Media	Arabic	9515	250	122	47E,48W	North-East Africa
				11965	250	122	47E,48W	North-East Africa
1800-1900	Daily	Voice of America	Amharic	9485	300	126	48	North-East Africa
1800-1900	Daily	BBC	English	9915	125	170	46	West Africa
				11810	125	158	47SW,52	Central Africa
1800-1830	Daily	BBC	French	7295	250	170	37	North Africa
1800-1900	Daily	Radio Ndarason Int	Kanuri	9635	250	152	46SE	North Central Africa
1800-1900	Daily	KBS World Radio	Russian	6040	250	066	29N,29SE	Western Russia
1900-2000	Sat	World's Last Chance	English	11830	250	128	48	North-East Africa
1900-2000	Sun	Radio Ndarason Int	Kanuri	12050	250	152	46SE	North Central Africa
1900-2100	Daily	BBC	English	11810	250	158	47SW,52	Central Africa
1930-2000	Sat-Thu	BBC	Hausa	9545	125	160	46SE	West Africa
1930-2000	Mon-Sat	Radio Ndarason Int	Kanuri	12050	250	152	46SE	North Central Africa
1930-2030	Fri	BBC	Hausa	9545	125	160	46SE	West Africa
2000-2030	Fri	Radio Ndarason Int	Kanuri	12050	250	152	46SE	North Central Africa
2000-2100	Daily	KBS World Radio	Arabic	6090	250	172	37S	North Africa
2000-2100	Daily	KBS World Radio	German	3955	250	114	28NW	Europe
2030-2100	Daily	Voice of America	Hausa	9765	250	180	46,47W	West Africa
2100-2115	Daily	R Akhbar Mufriha	Arabic	7300	300	170	37S	North Africa
2100-2200	Daily	KBS World Radio	French	3955	250	114	27SE	Europe

Additional tests and one-off transmissions may be broadcast from Woofferton at short notice. One such example was on the afternoon of 5 July 2021 when several people reported hearing a test on 15510 kHz and mentioning an email address of transmissiontest@gmail.com. François (surname not known) posted a comment to the British DX Club iog to say that he had sent a report to this address and received a reply from Dave Porter: "Thank you for your report and I confirm the details are correct. These transmissions were to fault-find on a 250/300 kW sender at the UK HF transmitter station at Woofferton in England. These duration of these tests can be variable as the engineers can sometimes need a long time to establish a fault or they may interrupt the test, make an adjustment and resume. This is particularly so if the fault is of an intermittent nature. Encompass Digital Media, Woofferton is the only remaining UK HF sender broadcast station and also is the only one with this transmission test audio and email address. The audio is contained in a file play-out system and incorporates non-copyright music and voice announcements from one of the engineers, Martin, 2E1EKX at the transmitter site".



Volant Media UK Ltd

Volant Media UK Ltd create groundbreaking news content and documentaries aimed at audiences around the world not serviced by mainstream media. Founded in 2017, it is a global organisation with offices in London, Paris and Washington and has a rapidly growing team of journalists and content producers. Broadcasting from state of the art studios in West London, they cover a range of topical and factual stories, with a focus on reaching audiences in and from frontier markets. The two services of Volant Media UK Ltd of interest to shortwave listeners are Iran International and Afghanistan International TV:

Iran International

Iran International is a Persian television station headquartered in London. It is aimed at Iranian viewers and broadcasts free-to-air by satellite. The channel has received media attention for its reporting on human rights violations, political developments, LGBTQ+ rights and women's rights in Iran and has twice been nominated for International Channel of the Year by the Association for International Broadcasting. Iran International was first heard on shortwave on 19 November 2019 with an audio feed from its London-based satellite TV service, seemingly in response to an Internet blackout in Iran caused by civil unrest in several towns and cities.

Transmitter site: Iran International shortwave broadcasts are currently relayed from Tashkent, Uzbekistan.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0530-1330	Daily	Persian	15630	Tashkent, Uzbekistan	100	236	40	West Asia
1330-0530	Daily	Persian	5830	Tashkent, Uzbekistan	100	236	40	West Asia

Afghanistan International TV

On 15 August 2021, the day the Taliban captured Afghanistan's capital Kabul, Volant Media UK Ltd, the parent company of Iran International, launched Afghanistan International TV (AITV). AITV aspires to serve as an international news network to provide reliable information for audiences and protect media freedom in the country. AITV, which has started with daily nine hours of live television news and programmes, plans to expand to a full 24/7 schedule as soon as possible. AITV also had a radio stream which is already offering 24-hour news and programmes (a shortwave broadcast from AITV were first reported on 16 August 2021).

Transmitter sites: Afghanistan International TV shortwave broadcasts are currently relayed from Tashkent, Uzbekistan and Yerevan, Armenia.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0300-1300	Daily	Pashto	7600	Tashkent, Uzbekistan	100	236	40E,41NW	West Asia
1300-0300	Daily	Pashto	7600	Yerevan-Gavar, Armenia	100	100	40E,41NW	West Asia

Other notable British shortwave stations

Encore - Classical Music on Radio TumbriL

Encore is a weekly classical music programme produced by Brice Avory. Regular broadcast times for each edition are:

Transmitter sites: Radio TumbriL is aired over the facilities of Radio Miami International in Florida, USA and Channel 292 in Germany.

Days	Time/UTC	Language	kHz	
Saturday	1100-1200	English	6070	Channel 292 to Europe - Simulcast on 9670 kHz
	2300-0000	English	5950	WRMI to the US and Canada
Sunday	1700-1800	English	9670	Channel 292 to Europe
	2200-2300	English	3955	Channel 292 to Europe
Monday	0300-0400	English	5950	WRMI to the US and Canada
Tuesday	1300-1400	English	15770	WRMI to Europe, east coast of US and Iceland
Thursday	2300-0000	English	5950	WRMI to the US and Canada
Friday	2000-2100	English	6070	Channel 292 to Europe

The programme from Radio TumbriL first broadcast on Saturday 7 January 2022 by Channel 292 starts with a gavotte from Rameau, some carnival music from the opera Notre Dame by Franz Schmidt, a Telemann quartet, and some contemporary music from the prolific British composer Charlotte Bray. After that, three songs by Schubert, two movements from Beethoven's Fifth Symphony, and - to finish the programme - a nocturne by Chopin.

(If reading or downloading this guide from the BDXC website, a more recent version may be available at dxguides.info giving the contents for the very latest edition of the programme)

CLASSICAL MUSIC ON RADIO TUMBRIL
WWW.TUMBRIL.CO.UK
CHANNEL 292 - EUROPE WRMI - USA

Radio Emma Toc World Service

The 'Radio Emma Toc World Service' is a half hour programme produced by Jim Salmon available on various broadcast stations & online. The aim is to provide a monthly entertainment & information programme - celebrating all things radio! Why 'Emma Toc' ...? Wireless station 2MT at Writtle, near Chelmsford, was required to read out their allocated callsign '2MT' at regular intervals, & in 1922 the British Army phonetic alphabet of the time was used. 'M' was 'Emma' & 'T' was 'Toc', so '2MT' became 'Two Emma Toc'. The amusing & flippant manner in which Captain Peter Eckersley read out the phonetic version of '2MT' resulted in the station being affectionately known as 'Two Emma Toc'! Check the station's website at www.emmatoc.org for details of the station's history and forthcoming broadcasts.



Radio Six International

Radio Six International is a private (not for profit) radio station operating from Scotland. Their website says they play "an interesting mixture of songs from the world's unsigned and indie artists in their native languages with a leaning towards instrumentals and some jazz plus specialist shows featuring oldies, bagpipes, easy listening, lounge, Americana, jazz, instrumentals, light music, classical plus some talk shows to spice up the mixture from time to time!"

Schedule: For the summer months (2021), Radio Six International will be on shortwave on the first Sunday of the month on Sunday 1 August and Sunday 5 September (further details at www.radiosix.com)

Time/UTC	Days	Language	kHz	Site	kW	Az.	CIRAF	Area
1400-1500	1st Sunday of the month	English	3955	Rohrbach, Waal	10	ND	18,27,28	Europe
			9670	Rohrbach, Waal	10	ND	18,27,28	Europe

Vatican City State

Vatican Radio

Vatican Radio is the official broadcasting service of Vatican City. Shortwave transmissions from Vatican Radio have been reduced in recent years in favour of digital distribution but there are still a number of shortwave broadcasts mainly to Africa and Asia.

Transmitter sites: Vatican Radio's transmitting station is located at Santa Maria di Galeria, an extraterritorial area near Cesano (to the north of Rome) belonging to the Holy See. It consists of 4 x 100 kW and 5 x 500 kW shortwave transmitters (currently operating at 125 & 250 kW according to HFCC registrations). Additional relays are via Germany Madagascar, Philippines, Northern Mariana Islands and the USA

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	CIRAF	Area
0100-0130	Daily	Portuguese	7305	Greenville	250	160	12NE,12S,13W,15NW	S America
0130-0200	Daily	Spanish	7305	Greenville	250	176	11NW,11S	C America
0620-0700	Daily	Latin (Mass)	11620	Vatican	250	105	38E,39N,39SW	M East
0700-0710	Mon-Sat	Italian	11620	Vatican	250	105	38E,39N,39SW	M East
0705-0800	Sun	Ukrainian (Lit)	9645	Vatican	250	054	28NE,29W	E Europe
			11815	Vatican	250	058	29S	E Europe
0710-0730	Mon-Sat	Arabic	11620	Vatican	250	105	38E,39N,39SW	M East
0730-0745	Mon-Sat	French	11620	Vatican	250	105	38E,39N,39SW	M East
0810-0920	Sun	Romanian (Lit)	7250	Vatican	250	055	28N,28SE	E Europe
			9645	Vatican	250	054	28E	E Europe
0830-1030	Special	French	15575	Vatican	250	214	46	W Africa
0830-1030	Special	Arabic	15605	Vatican	250	105	38E,39N,39SW	M East
0830-1030	Special	Portuguese	17520	Vatican	250	165	52NW,52S,53W,57N	S Africa
0830-1030	Special	English	17540	Vatican	250	185	46E,47W	C Africa
0930-1030	Sun I	Amharic	15595	Vatican	250	113	38SE,39NE,39S,40S	NE Africa
			17790	Vatican	250	144	38SE,47E,48N,48SW	NE Africa
0930-1050	Sun II/IV	Russian	15595	Vatican	250	041	19,29,30NW	Russia
			17790	Vatican	250	072	29S,30W	Russia
0930-1050	Sun III	Armenian	15595	Vatican	250	072	29SE	Caucasus
			17790	Vatican	250	084	29SE,39N,40NW	Caucasus
0930-1050	Sun V	Arabic	15595	Vatican	250	089	29SE,39N,40W	M East
			17790	Vatican	250	112	38E,39	M East
1130-1200	Fri	English (Lit)	15595	Vatican	250	106	38E,39N	M East
			17790	Vatican	250	098	39E,40NW,40S	W Asia
1230-1250	Daily	Russian	7420	Tinian	250	329	32,33W	Russia
			9810	Philippines	250	332	31,32W,42N	Russia
1230-1245	Daily	Spanish	7305	Greenville	250	176	11NW,11S	Caribbean
1230-1315	Sat	Chinese	5980	Philippines	250	330	43,44NW,44S,49N,50NW	E Asia
			7485	Philippines	250	332	32SE,33NE,33S,43NE,44N	E Asia
			9720	Philippines	250	315	31S,32S,41NW,42,43,49N	E Asia

1430-1450	Daily	Hindi	7320	Philippines	250	270	41N,41SE,42S,43SW	S Asia
			9595	Philippines	250	283	41NW,41S	S Asia
1450-1510	Daily	Tamil	7320	Philippines	250	270	41N,41SE,42S,43SW	S Asia
			9595	Philippines	250	283	41NW,41S	S Asia
1500-1520	Daily	German	3985	Germany	1	ND	18,19,27,28,29,37N	Europe
1510-1530	Daily	Malayalam	7320	Philippines	250	270	41N,41SE,42S,43SW	S Asia
			9595	Philippines	250	283	41NW,41S	S Asia
1530-1600	Daily	Amharic	11935	Vatican	250	113	38SE,39NE,39S,40S	NE Africa
			13830	Vatican	250	135	38SE,47E,48N,48SW	NE Africa
1600-1615	Sat	Swahili	11935	Vatican	250	317	48SW,53NW	E Africa
			13830	Vatican	250	151	47SE,48SW,52NE	E Africa
1600-1620	Daily	Armenian	6185	Vatican	250	055	29N,29SE	Caucasus
			7360	Vatican	250	086	29SE,39NE	Caucasus
1600-1630	Sun-Fri	Swahili	11935	Madagascar	250	317	48SW,53NW	E Africa
			13830	Vatican	250	151	47SE,48SW,52NE	E Africa
1615-1630	Sat	Somali	11935	Madagascar	250	000	48	NE Africa
			13830	Vatican	250	135	48	NE Africa
1620-1640	Daily	Russian	6185	Vatican	250	055	19,29,30W	Russia
			7360	Vatican	250	062	30,31W,40NE,42NW	Russia
1630-1700	Daily	Arabic	7230	Vatican	100	114	38E,39N,39SW	M East
			9705	Vatican	250	100	39E,40SW	M East
1630-1700	Daily	English	11935	Madagascar	250	258	52S,53W,57N	S Africa
			13830	Vatican	250	150	47SE,48SW,53NW	C Africa
1700-1715	Daily	French	7230	Vatican	250	100	38E,39N,39SW	N Africa
1700-1720	Daily	Belarusian	6185	Vatican	250	026	28NE,29W	E Europe
1700-1730	Daily	French	9705	Vatican	250	160	47S,52E,53NW	C Africa
			11935	Vatican	250	175	47SW,52NW	C Africa
1715-1730	Daily	English	7230	Vatican	250	100	38E,39N,39SW	M East
1730-1800	Daily	Tigrinya	9705	Vatican	250	114	38SE,39NE,39S,40S	NE Africa
			11935	Vatican	250	145	38SE,47E,48N,48SW	NE Africa
1740-1800	Daily	Ukrainian	6185	Vatican	250	054	28NE,29W	E Europe
			7360	Vatican	250	054	29S	E Europe
1800-1830	Daily	Portuguese	9705	Vatican	250	165	52NW,52S,53W,57N	S Africa
1940-2000	Daily	Latin (Lit)	6010	Vatican	250	180	46SE,47W	C Africa
			7225	Vatican	250	114	38E,39N,39SW	M East
			7365	Vatican	250	214	46	W Africa
2000-2030	Daily	English	6010	Vatican	250	180	46E,47W	C Africa
			7365	Vatican	250	214	46	W Africa
2030-2100	Daily	French	6010	Vatican	250	180	46E,47W	C Africa
			7365	Vatican	250	214	46	W Africa
2100-2130	Daily	Portuguese	7365	Vatican	250	234	46W	W Africa
2200-2230	Daily	Chinese	6185	Philippines	250	332	43,44NW,44S,49N,50NW	E Asia
			7410	Vatican	250	068	31S,32S,41NW,42,43,49N	E Asia
			9580	Saipan	250	329	32SE,33NE,33S,43NE,44	E Asia
2315-0800	Daily	Vietnamese	7420	Philippines	250	270	43SE,44SW,49E	SE Asia
			9580	Philippines	250	270	43SE,44SW,49E	SE Asia



Shortwave relays from Santa Maria di Galeria

The Vatican Radio shortwave transmitters at Santa Maria di Galeria are also used by several other international broadcasting stations. These are the transmissions that are additional to those from Vatican Radio stated above.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0330-0400	Daily	Voice of America	Somali	9510	250	146	48	NE Africa
0430-0500	Daily	NHK World Japan	English	7245	250	175	46	W Africa
0430-0500	Daily	Radio Dabanga	Arabic	7315	250	151	47E,48W	NE Africa
0500-0530	Daily	NHK World Japan	English	7245	250	175	46	W Africa
0500-0600	Daily	BBC	English	6005	250	195	46	W Africa
0530-0600	Mon-Fri	Voice of America	French	9885	250	175	37-38,46-47,52,57	Africa
0600-0629	Daily	BBC	French	6135	250	234	37	N Africa
0600-0700	Daily	BBC	English	13865	250	169	47SW,52	C Africa

0700-0730	Daily	Voice of America	Hausa	12070	250	175	46,47W	W Africa
0700-0800	Daily	BBC World Service	English	17830	250	170	47SW,52	Africa
0830-0900	Wed/Sat	Voice of America	French	15715	250	175	46,47,48,52,53	Africa
1100-1130	Sat	Voice of America	French	17850	250	195	46,47,48,52,53	Africa
1300-1400	Daily	Voice of America	Somali	15630	250	150	48	NE Africa
1330-1400	Daily	RFE/RL Radio Azadi	Pashto	15640	250	089	40E,41NW	W Asia
1400-1430	Daily	RFE/RL Radio Azadi	Dari	15640	250	089	40E,41NW	W Asia
1400-1500	Sat/Sun	Voice of America	Kirundi/Kinyarw.	15460	250	175	48S,52-53	E Africa
1400-1500	Daily	BBC	Somali	21470	250	130	48	NE Africa
1500-1600	Daily	Radio Tamazuj	Arabic/Sudanese	15550	250	151	39SW,47E,48W	NE Africa
1600-1630	Daily	Voice of America	Kirundi/Kinyarw.	13630	250	199	48SW,52,53	E Africa
1730-1750	Mon-Fri	BBC World Service	Amharic	9800	250	130	48	NE Africa
1750-1810	Mon-Fri	BBC World Service	Oromo	9800	250	130	48	NE Africa
1800-1830	Daily	BBC World Service	French	9750	250	146	53S	SE Africa
				11660	250	210	46	W Africa
1810-1830	Mon-Fri	BBC World Service	Tigrinya	9800	250	130	48	NE Africa
1830-1850	Mon-Fri	BBC World Service	Amharic	9705	250	130	48	NE Africa
1830-1930	Daily	Voice of America	French	12075	250	199	46-48,52,53	W/C Africa
1850-1910	Mon-Fri	BBC World Service	Oromo	9705	250	130	48	NE Africa
1900-1930	Daily	Voice of America	Tigrinya	12040	125	146	48	NE Africa
1910-1930	Mon-Fri	BBC World Service	Tigrinya	9705	250	130	48	NE Africa
2030-2100	Sat	Voice of America	Hausa	11975	250	169	46,47,52,53	W Africa
2030-2100	Sun	Voice of America	French	11975	250	169	46,47,52,53	W/C Africa

Europe on Shortwave

Edited by Tony Rogers

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