

British DX Club

Europe on Shortwave



**Guide to shortwave
broadcasting in Europe**

November 2023 (B23)

Europe on Shortwave

Compiled and edited by Tony Rogers.

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Whilst there may be errors and omissions, the strong point of the guides is the ability to correct and update quickly. Please do not hesitate to let me know if you see something that doesn't look right. Thanks!

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

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Albania

Radio Televizioni Shqiptar

Radio Televizioni Shqiptar (English: Albanian Radio and Television; mostly called RTSH) is the national public broadcasting company of Albania.

International broadcasting on shortwave

Radio Tirana International

Radio Tirana International is the external service of Radio Televizioni Shqiptar. Although no longer broadcasting from transmitters in Albania, Radio Tirana International still produces programmes that can be heard online and until the B22 season it's English service been re-broadcast on shortwave by Radio Miami International in Florida. However, this has now been discontinued.

Andorra

Aqui Radio Andorra - From the Archives of Radio Andorra

Usually on the first Sunday of the month there are broadcasts produced by Christian Milling to celebrate the history of Radio Andorra.

Transmitter site: Shortwaveservice, Germany.

<i>Time/UTC</i>	<i>Next broadcast</i>	<i>kHz</i>	<i>kW</i>	<i>Target area</i>
1700-1900	Sunday 3 December 2023	6005	10	Europe
2000-2200	Sunday 3 December 2023	3985	1	Europe

Austria

Österreichischer Rundfunk

Österreichischer Rundfunk (ORF - Austrian Broadcasting Corporation) is Austria's largest media provider, operating four national television and twelve radio channels, as well as a comprehensive range of websites.

International broadcasting on shortwave

Ö1 International

Ö1 International is the official international broadcasting station of Austria. The shortwave transmission in German consists of programming from the domestic Ö1 channel with a few changes.

Transmitter site: Moosbrunn See below).

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Target area</i>
0600-0633	Mon-Sat	German	6155	100	Europe



Österreichische Rundfunksender GmbH & Co KG

Österreichische Rundfunksender GmbH & Co KG owns and operates the shortwave transmitting station at Moosbrunn, a municipality in the district of Bruck an der Leitha in the Austrian state of Lower Austria. ORS offer the largest directional antenna system for shortwave in Europe. Shortwave relays from ORS are as follows for B23:

Time/UTC	Days	Station	Language	kHz	kW	Target area
0200-0230	Daily	AWR	Urdu	6100	100	South Asia
0230-0300	Daily	AWR	Punjabi	6100	100	South Asia
0330-0400	Daily	AWR	Persian	7390	100	West Asia
0400-0430	Daily	AWR	Turkish	6185	100	West Asia
0500-0530	Daily	AWR	Hausa	9630	100	West Africa
0600-0700	Daily	AWR	Arabic	11880	100	Arab World
0700-0730	Daily	AWR	French	15610	100	West Africa
0800-0830	Daily	AWR	French	15145	100	North Africa
0900-1000	1st Sun/month	Welle 370	German/English	6140	100	Europe
1000-1100	Sun	Radio DARC	German	6055	100	Europe
1000-1100	Sun	Channel 292	German	6070	100	Europe
1100-1200	1st Sun/mth	Radio Joystick	German	7330	100	Europe
1300-1400	22 Dec 2023	Förderverein	German	5960	100	Europe
1400-1430	Daily	AWR	Urdu	17765	100	South Asia
1500-1530	Daily	AWR	Turkish	11955	100	West Asia
1530-1600	Daily	AWR	Punjabi	15265	100	South Asia
1600-1630	Daily	AWR	Urdu	15265	100	South Asia
1630-1700	Daily	AWR	Persian	9760	100	South Asia
1730-1800	Daily	AWR	Masai	17765	100	East Africa
1800-1900	Daily	AWR	Arabic	11955	100	North Africa
1800-2100	24 Dec 2023	Radio Gruss an Bord	German	9810*	100	Asia
1900-1930	Daily	AWR	Hausa	11955	100	West Africa
1930-2000	Daily	AWR	French	17765	100	West & Central Africa
2000-2030	Daily	AWR	Dyula	9535	100	West Africa
2030-2100	Daily	AWR	French	9535	100	West Africa
2100-2300	24 Dec 2023	Radio Gruss an Bord	German	9675*	100	Asia

Note: * registered but to be confirmed nearer the date of broadcast.

Belarus

Belteleradio

The National State TV and Radio Company of the Republic of Belarus), known as Belteleradiocompany or simply Belteleradio, is the state radio and television broadcasting service in Belarus.

International broadcasting on shortwave

Radio Belarus International

Radio Belarus International is the External Service of BRTC. Although there is no longer any external broadcasting from transmitters in Belarus itself, Radio Belarus had until January 2022 been re-broadcast by ShortwaveService in Germany. However, these have now been discontinued

Belgium

VRT / RTBF / BRFB

Vlaamse Radio en Televisieomroep (VRT), Radio-Télévision Belge de la Communauté Française (RTBF) and Belgisches Rundfunk und Fernsehzentrum der Deutschsprachigen Gemeinschaft (BRFB) are the Dutch, French and German language broadcasting networks in Belgium. There is no longer any broadcasting on shortwave from these organisations.

Private radio stations on shortwave

Radio Onda

Radio Onda is a licensed Belgian station. Broadcasts are usually made according to the operators' availability. The transmitter site is at Borculo, a city in the eastern Netherlands, in the municipality of Berkelland, Gelderland. Three frequencies are have been registered with the HFCC for B23: 6140, 9530 and 17820 kHz. However, Radio Onda is not on air at present.

Bulgaria

Bulgarian National Radio

Bulgarian National Radio is Bulgaria's national radio broadcasting organisation. It operates two national and nine regional channels, as well as an international service, Radio Bulgaria, which broadcasts online in 11 languages. Radio Bulgaria ceased broadcasting on shortwave from its own transmitters in Bulgaria on 31 January 2012.

International broadcasting on shortwave

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, located 15 km west of the capital city of Sofia.

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Target area</i>
0500-0800	Daily	Overcomer Ministry	English	9400	50	West Asia
				11600	100	Western Europe
				13800	100	East Africa
1500-1800	Daily	Overcomer Ministry	English	15335	50	Middle East
1500-1940	Daily	Overcomer Ministry	English	9400	100	Eastern Europe
1545-1600	Daily	Bible Voice Broadcasting	Arabic	11600	50	Middle East
1600-1700	Daily	Overcomer Ministry	English	11600	100	Western Europe
1700-1730	Daily	Radio Taiwan Int.	Russian	5900	50	Russia/Eastern Europe
1700-1800	Daily	Radio Erena	Tigrinya	11810	100	Horn of Africa
1710-1730	Mon/Wed	Bible Voice Broadcasting	Arabic	9490	50	Middle East
1730-1745	Daily	Bible Voice Broadcasting	Arabic	9490	50	Middle East
1800-1830	Daily	BBC	French	11765	50	Central Africa
1800-1900	Daily	IRRS Shortwave	English	7290	50	Western Europe
1900-1930	Daily	Radio Taiwan Int.	German	5900	100	Western Europe
1900-1930	Daily	Radio Taiwan Int.	French	6005	100	Western Europe
1930-2000	Daily	Bible Voice Broadcasting	Arabic	5900	50	Middle East
1945-2000	Daily	Bible Voice Broadcasting	Arabic	9400	50	Middle East
2005-2100	Daily	Overcomer Ministry	English	5900	50	Eastern Europe
2105-0400	Daily	Overcomer Ministry	English	5900	50	Western Europe

Czech Republic

Český rozhlas

Český rozhlas (CRo) is the public radio broadcaster of the Czech Republic operating continuously since 1923. It is the oldest radio broadcaster in continental Europe and the second oldest in Europe after the BBC. Český Rozhlas was established in 1992 by the Czech Radio Act, which sets out the framework for its operation and financing. It acts as the successor to the previous state-owned Czechoslovak Radio which ceased to exist by 1992.

International broadcasting on shortwave

Radio Prague International

Radio Prague International (Český rozhlas 7) is the official international broadcasting station of the Czech Republic. **Sites:** Although shortwave broadcasts directly from the Czech Republic ceased in 2011, Radio Prague International is now heard via Radio Miami International in Florida.

Transmitter site: WRMI - Radio Miami International, Okeechobee, Florida, USA.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>	<i>Note</i>
0200-0230	Daily	Spanish	9955	Okeechobee FL	100	Latin America	
0230-0300	Daily	Spanish	5010	Okeechobee FL	100	Caribbean	
0300-0330	Daily	English	9955	Okeechobee FL	100	Latin America	
0330-0400	Daily	French	9955	Okeechobee FL	100	Latin America	
0600-0630	Mon	English	15770	Okeechobee FL	100	Europe	
0930-1000	Mon-Sat	English	9455	Okeechobee FL	100	North America	re-broadcast of WRN N Am.
1130-1200	Daily	Spanish	5010	Okeechobee FL	100	Caribbean	
1200-1230	Mon-Sat	English	9955	Okeechobee FL	100	Latin America	
1500-1530	Daily	Russian	12095	Dhabbaya, UAE	250	Russia	re-broadcast of WRN Russian
2300-2330	Daily	French	5850	Okeechobee FL	100	North America	
2330-0000	Daily	English	5850	Okeechobee FL	100	North America	

Denmark

DR

DR, officially the Danish Broadcasting Corporation in English, is a Danish public-service radio and television broadcasting company. Founded in 1925 as a public-service organization, it is Denmark's oldest and largest electronic media enterprise. DR is a founding member of the European Broadcasting Union.

Private radio stations on shortwave

Radio OZ-Viola

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

Transmitter site: Hillerød, Denmark.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Target area</i>
1200-1400	Sat/Sun	English	6055	0.1	Europe
2200-2300	Wed	English	5980	0.1	Europe

World Music Radio

World Music Radio (WMR) play a mix of music from all corners of the world, focusing on tropical world music. They use some 30 different languages, including English.

<i>kHz</i>	<i>Location</i>	<i>kW</i>	<i>Schedule (UTC)</i>
5930	Bramming	0.15	24/7
15700	Randers	0.3	24/7
25800	Mårslet	0.06	24/7

Radio208

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

Transmitter site: Hvidovre.

<i>kHz</i>	<i>Location</i>	<i>kW</i>	<i>Schedule (UTC)</i>
5970	Hvidovre	0.2	24/7



Finland

Yleisradio Oy

Yleisradio Oy (lit. 'Public Radio, Ltd'), abbreviated as Yle and translated to English as the Finnish Broadcasting Company, is Finland's national public broadcasting company. There is no longer any broadcasting on shortwave by Yle.

Private radio stations on shortwave

Scandinavian Weekend Radio

SWR broadcasts on the first Saturday of the month (except for January, May and September) for 24 hours starting 0000 local time. SWR is also broadcast on mediumwave 1602 kHz.

Remaining date of operation for 2023 (starting at 2200 UTC): 1/2 December ([programme schedule](#))

Transmitter site: Virrat, Pirkanmaa region

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Target area</i>
2200-1000	Fri	Finnish/English	6170	0.4	Europe
			11690	0.4	Europe
1000-1400	Sat	Finnish/English	5980	0.4	Europe
			11720	0.4	Europe
1400-1700	Sat	Finnish/English	5980	0.4	Europe
			11690	0.4	Europe
1700-2200	Sat	Finnish/English	5980	0.4	Europe
			11720	0.4	Europe

France

Radio France

Radio France is the French national public radio broadcaster. The Radio France group is 100% owned by the French State. Nearly 80% of Radio France's funding comes from Television licence, the remaining 20% comes from own resources, mainly from advertising and diversification activities developed by Radio France.

International broadcasting on shortwave

Radio France Internationale

RFI is the state-owned international radio news network of France. It is a channel of France Médias Monde.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter</i>	<i>kW</i>	<i>Target area</i>
0400-0500	Daily	French	9790	Issoudun, France	500	Africa
			11700	Issoudun, France	500	Africa
0430-0500	Daily	Swahili	11760	Talata Volonondry, Madagascar	250	East Africa
0500-0600	Daily	French	7390	Issoudun, France	250	Africa
			9790	Issoudun, France	500	Africa
0530-0600	Daily	Swahili	11700	Issoudun, France	250	Africa
			15215	Talata Volonondry, Madagascar	250	East Africa
0600-0630	Daily	Hausa	7245	Issoudun, France	250	West Africa
			9805	Issoudun, France	250	West Africa
0600-0700	Daily	French	7390	Issoudun, France	250	Africa
			9790	Issoudun, France	500	Africa
			11700	Issoudun, France	250	Africa
			15300	Issoudun, France	250	Africa
			11875	Issoudun, France	250	West Africa
0700-0730	Daily	Mandingo	11875	Issoudun, France	250	West Africa
			13740	Issoudun, France	250	West Africa
0700-0730	Daily	Hausa	15325	Issoudun, France	250	West Africa
			11700	Issoudun, France	250	Africa
			13695	Issoudun, France	250	Africa
			15300	Issoudun, France	250	Africa
0700-0800	Daily	French	11700	Issoudun, France	250	Africa
			13695	Issoudun, France	250	Africa
			15300	Issoudun, France	250	Africa
			21580	Issoudun, France	250	Africa
			11875	Issoudun, France	250	West Africa
0730-0800	Daily	Fulani	11875	Issoudun, France	250	West Africa
0800-0830	Daily	Mandingo	15455	Issoudun, France	250	West Africa
0800-0900	Daily	French	15300	Issoudun, France	250	Africa
			17690	Issoudun, France	250	Africa
			17850	Issoudun, France	250	Africa
			21580	Issoudun, France	250	Africa
			21580	Issoudun, France	250	Africa
0830-0900	Daily	Fulani	17660	Issoudun, France	250	West Africa
0900-1000	Daily	French	15300	Issoudun, France	250	Africa
			17850	Issoudun, France	250	Africa
			21580	Issoudun, France	250	Africa
			21690	Issoudun, France	250	Africa
			17815	Issoudun, France	500	West Africa
1200-1230	Daily	Mandingo	17815	Issoudun, France	500	West Africa
1200-1300	Daily	French	17660	Issoudun, France	500	Africa
			17690	Issoudun, France	500	Africa
			21580	Issoudun, France	500	Africa
			21690	Issoudun, France	250	Africa
			17660	Issoudun, France	500	West Africa
1300-1400	Sun	Vietnamese	9650	Paochung, Taiwan	100	South-East Asia
1500-1600	Daily	Swahili	21690	Issoudun, France	500	East Africa
1600-1700	Daily	Hausa	17850	Issoudun, France	250	West Africa
1700-1730	Daily	Mandingo	17620	Issoudun, France	250	West Africa
1700-1800	Daily	French	15300	Issoudun, France	500	Africa
			17850	Issoudun, France	500	Africa
			21580	Issoudun, France	250	Africa
			17620	Issoudun, France	250	West Africa
1730-1800	Daily	Fulani	17620	Issoudun, France	250	West Africa
1800-1900	Daily	French	11995	Issoudun, France	250	Africa
			13740	Issoudun, France	250	Africa
			15300	Issoudun, France	250	Africa
			17850	Issoudun, France	250	Africa
			11995	Issoudun, France	250	Africa
1900-2000	Daily	French	13740	Issoudun, France	250	Africa
			15300	Issoudun, France	250	Africa
			17850	Issoudun, France	250	Africa
			17850	Issoudun, France	250	Africa

1900-2000	Sun	French	9680	Issoudun, France	250	Africa
2000-2030	Daily	Hausa	11760	Issoudun, France	250	West Africa
2000-2100	Daily	French	9790	Issoudun, France	250	Africa
			11995	Issoudun, France	250	Africa
2100-2200	Daily	French	9790	Issoudun, France	250	Africa
			11995	Issoudun, France	250	Africa

RFI "New Programme"

A registration with the HFCC for B23 also appears for Radio France International. This is listed as "New-Prog" and is "MUL" (multilingual) to CIRAF zones 47E,48W. It is effective from 1 March 2024.

Time/UTC Days kHz Transmitter kW Note

1600-1700 Daily 15470 Issoudun F 250 Listed as "New-Prog"

Relays via TDF International Broadcasting Centre - Issoudun

TDF is a French company which provides radio and television transmission and other services for the broadcasting and telecommunications sector in France. The International broadcasting centre of TDF is at Issoudun, Indre department.

Time/UTC	Days	Station	Language	kHz	kW	Target area
0100-0200	Daily	Radio República	Spanish	9490	150	Cuba
0200-0400	Fri-Mon	Radio República	Spanish	9490	150	Cuba
0200-0400	Daily	NHK World Japan	Japanese	6105	250	Central America
0300-0500	Daily	NHK World Japan	Japanese	6150	250	North Africa/Middle East
0400-0430	Tu/Th/Sa	Moresh Voice of Amhara	Amharic	9590	150	Horn of Africa
0500-0525	Mon-Fri	NHK World Japan	English	11735	250	East & Southern Africa
0500-0530	Sat/Sun	NHK World Japan	English	11735	250	East & Southern Africa
0530-0550	Daily	NHK World Japan	French	7450	250	West Africa
				9440	250	Central Africa
0600-0620	Daily	NHK World Japan	Arabic	15170	250	Arab World
0630-0700	Daily	Deutsche Welle	Hausa	9830	250	West Africa
				11800	250	West Africa
0800-1000	Daily	NHK World Japan	Japanese	15290	250	West & Central Africa
1230-1300	Mon-Fri	Deutsche Welle	Arabic	15390	500	Sudan
				17570	500	Sudan
1300-1400	Daily	Deutsche Welle	Hausa	17800	250	West Africa
1425-1630	Sat ‡	Deutsche Welle	Hausa	15195	250	West Africa
				17840	250	West Africa
1430-1450	Daily	NHK World Japan	Persian	13725	250	West Asia
1430-1600	Daily	Radio Tamazuj	Arabic/others	21485	250	South Sudan
1500-1600	Daily	Mini Transat	French/English	21640	250	Atlantic Ocean (until 20 Nov)
1600-1630	Mo/We/Fr	Radio Dirree Shaggar	Oromo	17575	250	Horn of Africa
1600-1630	Daily	Voice of Fanno	Ethiopian langs	17685	250	Horn of Africa
1600-1700	Daily	Deutsche Welle	Amharic	11830	250	Horn of Africa
				15275	250	Horn of Africa
1600-1700	Daily	Radio Dabanga	Arabic	17555	250	Sudan
1630-1700	Sun	Ye'Afrika Rediyo Ageligiloti †	Amharic	17815	150	Horn of Africa
1700-1800	Daily	1888 Radio	Amharic	17640	250	Horn of Africa
1700-1800	Daily	Radio Dabanga	Arabic	15550	250	Sudan
1700-1900	Daily	NHK World Japan	Japanese	11800	250	North Africa & Middle East
				11945	250	Central & Southern Africa
1800-1900	Daily	Deutsche Welle	Hausa	11980	250	West Africa
				15215	250	West Africa
1800-2100	24 Dec	Radio Gruss an Bord	German	6030*	250	SW beam
				11650*	250	Africa
1830-1900	Mon-Fri	Deutsche Welle	Arabic	15275	250	Sudan
				17800	250	Sudan
1900-1935	Daily	RMI registration "Juba"		17630	150	Sudan (tbc)
1900-2000	Sun	Radio Taiwan International	French	9680	250	Africa
1900-2100	Daily	NHK World Japan	Japanese	15130	250	West, Central & East Africa
1900-2100	Sun	Pan American Broadcasting	English	3940	250	English to Europe (tbc)
1900-2100	Sun	Pan American Broadcasting	English	6070	250	English to Europe (tbc)
1900-2100	24 Dec	Radio Gruss an Bord	German	11650*	250	Africa
2000-2015	Sat/Sun	Pan American Broadcasting	English	9690	500	English to Australia (tbc)
2000-2100	Daily	KBS World Radio	French	5950	250	North & West Africa
2030-2050	Daily	NHK World Japan	French	9855	250	North & West Africa
2030-2100	Sun	Pan American Broadcasting	English	9690	500	English to Australia (tbc)
2100-2300	24 Dec	Radio Gruss an Bord	German	9590*	250	Africa

Note: * registered for use on 23 December 2023 but to be confirmed

‡ DW Saturday broadcasts in Hausa only when Bundesliga football matches being played

† Ye'Afrika Rediyo Ageligiloti: actual station name to be confirmed

Radio For Peace International

RFPI broadcasts are structured around 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. Programmes are aired over Radio Miami International as indicated below (Okeechobee FL, all 100 kW):

Time/UTC	Days	Language	kHz
0000-0100	Sun	French	9395
0145-0200	Fri	French	5850
0600-0615	Wed	Russian	7730 and 15770
1145-1200	Mon/Tue	Russian	7730 and 15770
1145-1200	Wed	Ukrainian	7730 and 15770
1300-1400	Sun	Russian	7730
1300-1400	Sun	Dari	15770
1330-1345	Sat	Russian	7730 and 15770
2000-2030	Thu	French	7730
2030-2100	Thu	Russian	7730

Telediffusion de France - DRM

TDF have irregular DRM transmissions on various frequencies. "DRM Reception Project Schedules" are maintained by Chris Mackerell and is well worth checking for the latest reports of TDF and others: www.drmrx.org/drmschedules

Germany

Radio stations in Germany are licensed by media authorities in individual states, a result of Germany's federal structure. There are three nationwide public radio stations: Deutschlandfunk, broadcasting news and background stories on current affairs; Deutschlandfunk Kultur, mostly broadcasting cultural programmes; Deutschlandfunk Nova, a digital-only station which mainly broadcasts science and technology stories. Other public radio stations, run by local public broadcasters are generally only available in the states which those broadcasters operate. There is no nationwide or state broadcasting on shortwave.

International broadcasting on shortwave

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	Target area
0200-0230	Tue-Sat	English	5800	Okeechobee FL, USA	100	Latin America (WRN stream)
0630-0700	Daily	Hausa	7230	Pinheira, São Tomé	100	West Africa
			9830	Issoudun, France	250	West Africa
			11800	Issoudun, France	250	West Africa
1100-1145	Mon-Wed	English	7730	Okeechobee FL, USA	100	North America (WRN stream)
			15770	Okeechobee FL, USA	100	Europe (WRN stream)
1230-1300	Mon-Fri	Arabic	15390	Issoudun, France	250	Sudan
			17570	Issoudun, France	250	Sudan
1300-1400	Daily	Hausa	9830	Pinheira, São Tomé	100	West Africa
			11980	Pinheira, São Tomé	100	West Africa
			17800	Issoudun, France	250	West Africa
1425-1630	Sat	Hausa	15195	Issoudun, France	250	West Africa
			17840	Issoudun, France	250	West Africa
1600-1700	Mon/Tue	English	15770	Okeechobee FL USA	100	Europe (WRN stream)
1600-1700	Daily	Amharic	11800	Issoudun, France	250	Horn of Africa
			15275	Issoudun, France	250	Horn of Africa
1800-1900	Daily	Hausa	9830	Pinheira, São Tomé	100	West Africa
			11980	Issoudun, France	250	West Africa
			15215	Issoudun, France	250	West Africa
1830-1900	Mon-Fri	Arabic	15275	Issoudun, France	250	Sudan
			17800	Issoudun, France	250	Sudan

Several DW broadcasts in English feature as part of the WRN stream for North America, which is aired over Radio Miami International (WRMI) as indicated above. However, these may be removed from the RMI schedule at any time.

Deutsche Welle's Hausa service provides coverage of Bundesliga matches on Saturdays at 1425-1630 throughout the German football season. The 2023/24 Bundesliga season commenced in August 2023 and finishes on 18 May 2024.

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.

Time/UTC	Days	Station	Language	kHz	kW	Target
0430-0450	Daily	NHK World Japan	Russian	6165	125	Europe
0430-0500	Daily	Adventist World Radio	French	7325	250	North Africa
0500-0515	Fri	Bible Voice Broadcasting	Arabic	9450	250	Middle East
0600-0615	Daily	Bible Voice Broadcasting	Arabic	9440	125	North Africa
0600-0630	Daily	Adventist World Radio	French	9860	250	West Africa
				11860	250	West Africa
0700-0800	Daily	Adventist World Radio	Arabic	11980	250	North Africa
0830-0900	Daily	Adventist World Radio	Tachelhit	15220	250	North-West Africa
0900-1000	Sun	Adventist World Radio	Italian	9610	125	Europe
0900-1000	1st Sun/month	Förderverein	German	6095	100	Europe
1000-1100	Sun/on demand	SM Radio Dessau	German	6095	100	Europe
1000-1400	on demand	Telstar Radio	multilingual	6045	100	Europe
1000-1600	on demand	Studio 52	multilingual	5990	125	Europe
1100-1200	1st Sat/p.Qtr	Radio SE-TA 2	German	6095	100	Europe
1100-1400	on demand	Radio60!	German	6045	100	Europe
1130-1200	Sat/Sun	Evang. Missions-Gem.	German	6055	125	Europe
1300-1400	22 Dec 2023	Förderverein	German	6095	100	Europe
1300-1400	Tue/Thu	Music 4 Joy	Music	13650	100	East Asia (DRM)
1400-1430	1st Sat/Month	Bible Voice	English	17650	250	South Asia
1400-1600	Daily	Overcomer Ministry	English	6015	125	Europe (to be confirmed)
1430-1445	Sun	Frank & Ernest (PAB)	English	15205	250	South Asia (to be confirmed)
1430-1500	Sat	Bible Voice	English	17650	250	South Asia
1430-1500	Sun	Bible Voice	Dari	17650	250	Afghanistan
1430-1500	Daily	Bible Voice	Nuer	17550	100	Sudan
1530-1600	Sat	HCJB	Russian	9500	100	Russia
1600-1630	Sat	HCJB	Chechen	9500	100	Russia
1600-1630	Sun-Tue	Bible Voice Broadcasting	Oromo	15310	100	Horn of Africa
1600-1630	Thu/Fri	Bible Voice Broadcasting	Tigrinya	15310	100	Horn of Africa
1630-1700	Daily	Adventist World Radio	Tigrinya	11955	250	Horn of Africa
1630-1700	Daily	Adventist World Radio	Amharic	12040	250	Horn of Africa
1630-1700	Daily	Adventist World Radio	Somali	15490	250	Horn of Africa
1630-1730	Tue	Bible Voice Broadcasting	Amharic	15310	100	Horn of Africa
1630-1700	Sat/Sun	Bible Voice Broadcasting	Somali	15310	100	Horn of Africa
1700-1730	Wed/Fri/Sun	Voice of Oromo Liberation	Oromo/Arabic	9610	100	Horn of Africa
1700-1730	Wed/Thu	Bible Voice Broadcasting	Amharic	15310	100	Horn of Africa
1700-1730	Sat	Bible Voice Broadcasting	Tigrinya	15310	100	Horn of Africa
1730-1800	Daily	Adventist World Radio	Oromo	11870	250	Horn of Africa
1800-1815	Fri	Bible Voice Broadcasting	English	9715	100	Middle East
1800-1830	Fri	Bible Voice Broadcasting	Persian	7295	100	Middle East
1800-1900	Thu	Bible Voice Broadcasting	Persian	7295	100	Middle East
1800-1830	Thu	Bible Voice Broadcasting	English	9715	100	Middle East
1800-1900	Tue/Thu	Music 4 Joy	Music	13710	100	Eastern Africa (DRM)
1830-1900	Sun	Bible Voice Broadcasting	Spanish	6150	125	Europe
1830-1900	Tue/Sun	Bible Voice Broadcasting	Persian	7295	100	Middle East
1830-1930	Tue/Thu	Music 4 Joy	Music	7225	100	M East/W Asia (DRM)
1830-1930	Sat	Bible Voice Broadcasting	English	9715	100	Middle East
1830-2015	Sun	Bible Voice Broadcasting	English	9715	100	Middle East
1900-2000	Daily	Adventist World Radio	Arabic	6130	250	North Africa
1915-1930	Sun	Bible Voice Broadcasting	English	5935	250	Middle East
1930-2000	Daily	Adventist World Radio	Tachelhit	9495	125	North-West Africa
2000-2030	Daily	Adventist World Radio	French	9515	250	North Africa
2000-2030	Daily	Adventist World Radio	Moore	11795	250	West Africa
2000-2100	Tue/Thu	Music 4 Joy	Music	9810	100	Western Africa (DRM)
2130-2200	Daily	Adventist World Radio	Twi	9800	250	West Africa

Additional one-off broadcasts at short notice may be made via Media Broadcast.



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

The USAGM Germany Transmitting Stations at Biblis and Lampertheim are used for broadcasts to Africa, the Middle East, and Asia.

Transmitter sites: Biblis and Lampertheim, both located in Hesse.

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Target area</i>
0130-0200	Daily	VOA Radio Ashna	Pashto	7290	Lampertheim	100	Afghanistan
0100-0400	Daily	VOA Deewa Radio	Pashto	7470	Lampertheim	100	Afghanistan
0330-0400	Daily	Voice of America	Somali	9825	Lampertheim	100	Horn of Africa
0400-0730	Daily	Radio Farda	Persian	12035	Lampertheim	100	Iran
0430-0730	Daily	Radio Farda	Persian	9895	Biblis	100	Iran
0530-1530	Daily	Radio Farda	Persian	13600	Lampertheim	100	Iran
0600-0700	Daily	Radio Free Asia	Tibetan	17675	Biblis	100	Tibet & environs
0630-2030	Daily	Radio Farda	Persian	12005	Biblis	100	Iran
0730-1500	Daily	Radio Farda	Persian	15690	Lampertheim	100	Iran
1000-1300	Daily	RFE/RL Mashaal Radio	Pashto	17880	Biblis	100	Afgh/Pak border
1330-1630	Daily	Radio Farda	Persian	11935	Lampertheim	100	Iran
1400-1500	Daily	Voice of America	Kurdish	15270	Biblis	100	Middle East
1400-1500	Daily	Radio Free Asia	Tibetan	17585	Biblis	100	Tibet & environs
1400-1500	Daily	RFE/RL Radio Azatlyk	Turkmen	11965	Biblis	100	Central Asia
1500-1530	Daily	Radio Farda	Persian	15690	Biblis	100	Iran
1500-1700	Daily	VOA Deewa Radio	Pashto	13590	Lampertheim	100	Afghanistan
1530-1730	Daily	Radio Farda	Persian	7505	Lampertheim	100	Iran
1600-1800	Daily	Voice of America	Somali	11905	Lampertheim	100	Horn of Africa
1600-1900	Daily	VOA Deewa Radio	Pashto	7495	Biblis	100	Afghanistan
1630-1700	Daily	VOA Radio Ashna	Pashto	9975	Lampertheim	100	Afghanistan
1630-2000	Daily	Radio Farda	Persian	9910	Biblis	100	Iran
1700-1730	Daily	VOA Radio Ashna	Dari	9975	Lampertheim	100	Afghanistan
1700-1800	Daily	Voice of America	Kurdish	7475	Biblis	100	Middle East
				9760	Lampertheim	100	Middle East
				9820	Biblis	100	Middle East
1730-1800	Mon-Fri	Voice of America	Oromo	12040	Lampertheim	100	Horn of Africa
1800-1900	Daily	Voice of America	Amharic	12040	Lampertheim	100	Horn of Africa
1900-2130	Daily	Radio Farda	Persian	7505	Lampertheim	100	Iran

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 as follows:

<i>kHz</i>	<i>Operator</i>	<i>Location</i>	<i>Schedule/notes</i>
3955	Channel 292	Röhrbach Waal	Daily 0700-2000 & 2200-0600
3975	Shortwave Radio	Winsen	Daily 1500-2300
3985	Shortwaveservice	Kall-Krekel	Daily 1700-2000 (Radio Slovakia Int. etc)
3995	HCJB	Weenermoor	24/7 (Segenswelle at night)
5920	HCJB	Weenermoor	24/7 (Segenswelle at night)
6005	Shortwaveservice	Kall-Krekel	Daily 1100-1630 (Radio Slovakia Int)
6070	Channel 292	Röhrbach Waal	24/7
6085	Shortwaveservice	Kall-Krekel	Daily 0800-1800 (Radio MiAmigo Int)
6115	Radio SE-TA 2	Gera	Irregular; next 14 January 2024 at 1100-1200
6150	Europa 24	Datteln	Daily 0800-1500
6160	Shortwave Radio	Winsen	Daily 0900-1600
6195	Radio SE-TA 2	Waldheim	Irregular (in DRM only)
7365	HCJB	Weenermoor	24/7 (Segenswelle in Russian)
9670	Channel 292	Röhrbach Waal	24/7
15785	BitExpress	Erlangen	24/7 DRM-mode ('Funklust')

Thanks to Stig Hartvig Nielsen for his "European Private Shortwave Stations" and to Alex Miatlikov for observations.

BitExpress "Funklust"

Funklust is an independent media service provided by students at the Friedrich-Alexander University of Erlangen-Nuremberg. It broadcasts in DRM (xHE-AAC)

Transmitter site: Erlangen, a city in Bavaria.

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>mode</i>	<i>kW</i>	<i>Target area</i>
24 hours	Daily	15785	Erlangen	DRM	0.1	Europe

Channel 292

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

Transmitter site: Röhrbach, Waal, a municipality in the district of Ostallgäu in Bavaria.

Further details: [Channel 292 website](#)

Time/UTC	Days	kHz	kW	Target area
0700-2000 and 2200-0600	Daily	3955	10	Europe
24 hours	Daily	6070	10	Europe
24 hours	Daily	9670	10	Europe

Channel 292 also hires airtime via Moosbrunn, Austria:

Time/UTC	Days	kHz	kW	Programme	Target area
1000-1100	Sun	6070	100	Radio DARC	Europe

Europa 24

Europa 24 owns a transmitter at Datteln, which is licensed to Interessengemeinschaft Hochfrequenztechnik e.V.

Transmitter site: Datteln, a town in the district of Recklinghausen, in North Rhine-Westphalia.

Time/UTC	Days	kHz	kW	Target area
0800-1500	Daily	6150	0.25	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.

Transmitter site: Weenermoor, a district of Weener, a town in Lower Saxony, near the border with the Netherlands.

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

Time/UTC	Days	kHz	kW	Target area	Comments
24 hours	Daily	3995	1.5	Europe	see below
24 hours	Daily	5920	1.5	Europe	see below
24 hours	Daily	7365	3	Europe	Segenswelle in Russian

Alex Miatlikov provided a more detailed schedule of HCJB Deutschland for 3995 and 5920 kHz as of 5 June 2023, and assuming the broadcasts move ahead by one hour for winter, the B23 times should be:

0100-0400 UTC in German

0400-0500 UTC in Russian

0500-2300 UTC in German

2300-0100 UTC in Russian (Segenswelle) (from Alex's observations, this is the only Segenswelle's block on 3995/5920)

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.

Days/Date	Time/UTC	Language	kHz	Transmitter site	kW	Target area
06 January 2024 *	1100-1200	German	6095	Nauen, Germany	125	Europe
14 January 2024	1000-1100	German	6115	Gera, Thuringia, Germany	1	Europe

* Radio SE-TA 2 is broadcast via Nauen, Germany on the first Saturday of each new quarter (i.e. January, April, July and October) with the next broadcast due on 6 January 2024.

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.

Transmitter site: Kall, Krekel, a municipality in the district of Euskirchen in the state of North Rhine-Westphalia.

Further details: [Shortwaveservice website](#)

Time/UTC	Days	kHz	kW	Target area	Notes
1700-2000	Daily	3985	1	Europe	times may be extended for special broadcasts
1100-1630	Daily	6005	10	Europe	times may be extended for special broadcasts
0800-1800	Daily	6085	20	Europe	relay of Radio Mi Amigo International

Schedule for 3985 kHz

1700-1800	SRF - Echo of Time	German
1800-1830	Radio Slovakia International	German
1830-1900	Radio Slovakia International	English
1900-1930	Radio Slovakia International	French
1930-2000	Radio Slovakia International	Spanish

Schedule for 6005 kHz

1100-1130	Radio Slovakia International	German
1130-1200	Radio Slovakia International	English
1200-1230	Radio Slovakia International	French

1230-1300	Radio Slovakia International	Spanish
1300-1330	Radio Slovakia International	German
1330-1400	Radio Slovakia International	English
1400-1430	Radio Slovakia International	French
1430-1500	Radio Slovakia International	German
1500-1530	Radio Slovakia International	English
1530-1600	Radio Slovakia International	French
1600-1630	Radio Slovakia International	Spanish

Schedule for 6085 kHz

0800-1800 Radio Mi Amigo Dutch/English/French/German

Shortwave Radio

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

Transmitter site: Winsen an der Aller, a town in the district of Celle in the state of Lower Saxony.

Further details: [Shortwaveradio website](#)

Time/UTC	Days	kHz	kW	Target area
0900-1600	Daily	6160	1	Europe
1500-2300	Daily	3975	1	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.

Transmitter site: Pinneberg, a town in the federal state of Schleswig-Holstein in northern Germany.

Further details: [DWD website](#)

Time/UTC	Days	kHz	kW	Target area
0600-0630	Daily	5905	10	Europe
		6180	10	Europe
1200-1230	Daily	5905	10	Europe
		6180	10	Europe
1600-1630	Daily	5905	10	Europe
		6180	10	Europe
2000-2030	Daily	5905	10	Europe
		6180	10	Europe

Evangelische Missions-Gemeinden

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

Transmitter site: broadcasts are made via MBR, Nauen, Germany.

Time/UTC	Days	Language	kHz	Site	kW	Target area
1130-1200	Sat/Sun	German	6055	Nauen, Germany	125	Europe

Förderverein "Sender Königs Wusterhausen" e.V.

Broadcasting enthusiasts from different backgrounds have come together in the "Sender Königs Wusterhausen" support association. They include former employees of the SW broadcasting station and active employees in radio, as well as radio lovers and radio hobbyists, journalists and presenters, electricians and ship captains, physicists, materials testers and skilled workers in communications technology. They all have one goal in common - not to let the importance of Königs Wusterhausen as a broadcasting location within the history of German broadcasting be forgotten. Programmes by the association are broadcast on shortwave as follows:

Time/UTC	On air	kHz	Transmitter site	kW	Target	Programme
0900-1000	1st Sun/month	6095	Nauen, Germany	100	Europe	Welle 370 (see below)
1300-1400	22 December 2023	5960	Moosbrunn, Austria	100	Europe	Special broadcast (see below)
		6095	Nauen, Germany	100	Europe	

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 "Funkenberg" transmitter site in Königs Wusterhausen. The special broadcast on 22 December 2023 will celebrate 103 years of radio from Königs Wusterhausen.

Music 4 Joy

Music 4 Joy broadcasts different styles of music worldwide over the facilities of Media Broadcast GmbH..

Transmitter site: Broadcasts are made via MBR, Nauen, Germany.

Time/UTC	Days	kHz	Transmitter site	kW	Mode	Target
1300-1400	Tue/Thu	13650	Nauen, Germany	100	DRM	East Asia
1800-1900	Tue/Thu	13710	Nauen, Germany	100	DRM	Eastern Africa
1830-1930	Tue/Thu	7225	Nauen, Germany	100	DRM	Middle East/West Asia
2000-2100	Tue/Thu	9810	Nauen, Germany	100	DRM	Western Africa

Thanks to Alex Miatlikov for spotting the change in the Media Broadcast schedule for Music 4 Joy, which now lists broadcasts solely in DRM for B23.

Radio DARC

Radio DARC is produced by the association of German radio amateurs, Deutscher Amateur-Radio-Club e.V. (DARC). Programmes are aired on Channel 292, Röhrbach, and also via Moosbrunn Austria, with airtime hired by Channel 292.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Target area
1100-1200	Sun	German	6055	Moosbrunn, Austria	100	Europe (to be confirmed)
			6070	Röhrbach, Germany	10	Europe
			9670	Röhrbach, Germany	10	Europe
1600-1700	Mon	German	6070	Röhrbach, Germany	10	Europe
			9670	Röhrbach, Germany	10	Europe
1900-2000	Daily	German	3955	Röhrbach, Germany	10	Europe

Radio Joystick

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

Time/UTC	Days	Language	kHz	Transmitter site	kW	Target area
1000-1100	1st Sun	German	7330	Moosbrunn, Austria	100	Europe

Radio Gruss an Bord

NDR Info sends Christmas messages to seafarers all over the world on each Christmas Eve. Families and friends wish their loved ones at sea a happy holiday in the traditional programme "Gruss an Bord"! (Greeting on Board). Broadcasts are made on NDR Info and NDR Info Spezial, and so that ships on the world's oceans can receive the traditional broadcast, NDR also rents time on several shortwave transmitters located overseas. The next broadcast will be on Sunday 24 December 2023 and the following frequencies have been registered with the HFCC (although not all may be used on the day):

Time/UTC Registered frequencies

1800-2100:	6030 (Issoudun 250 kW), 6080 (Tashkent 100 kW), 9610 (Moosbrunn 100 kW), 9810 (Moosbrunn 100 kW), 9635 (Nauen 250 kW), 11650 (Issoudun 250 kW), 13725 (Nauen 250 kW), 15770 (Okeechobee FL 100 kW)
1900-2100:	6030 (Yerevan 100 kW), 6080 (Nauen 125 kW), 9740 (Nauen 125 kW), 11650 (Issoudun 250 kW)
2100-2300:	6145 (Nauen 125 kW), 6155 (Yerevan 100 kW), 9590 (Issoudun 250 kW), 9675 (Moosbrunn 100 kW), 9740 (Nauen 125 kW), 9830 (Issoudun 250 kW), 9675 (Moosbrunn 100 kW)

Radio Öömrang

Radio Öömrang (Amrum) has an annual broadcast to North America 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..

Transmitter site: broadcasts are usually made each year via Issoudun, France.

Time/UTC	Next broadcast date	Languages	kHz	kW
1600-1700	Tuesday 21 February 2023	North Frisian dialect, German, English	15215 (used for B22)	500

SM Radio Dessau

SM Radio Dessau broadcasts every 2nd Sunday of the month (1pm ME(S)Z) on shortwave via Channel 292. Additional broadcasts are made via Media Broadcast's Nauen transmitter. The programme is produced in Dessau by Ralf-Torsten and Max Berger. Further details at smradio-dessau.de

Date	Time/UTC	Language	kHz	Transmitter site	kW	Target
19 November 2023	1200-1400	German	6095	Nauen, Germany	100	Europe
10 December 2023	1200-1300	German	6070	Röhrbach, Germany	10	Europe
17 December 2023	1100-1200	German	6095	Nauen, Germany	100	Europe
26 December 2023	from 0900	German	6070	Röhrbach	10	Europe



Greece

ERT

The Hellenic Broadcasting Corporation (romanized: Ellinikí Radiofonía Tileórasi A.E., lit. Greek Radio [and] Television S.A.), commonly shortened to ERT (Greek: EPT), is the state-owned public radio and television broadcaster of Greece.

International broadcasting on shortwave

Voice of Greece

The Voice of Greece was the international service of Greek state radio. In June 2022, shortwave broadcasts were discontinued.

Ireland

Raidió Teilifís Éireann (RTÉ)

RTÉ is Ireland's National Public Service Media organisation.

International broadcasting on shortwave

RTÉ

Although it does not broadcast from transmitters in Ireland, an RTÉ programme that features as part of the World Radio Network (WRN) stream for North America is currently re-broadcast on shortwave by Radio Miami International.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>Transmitter site</i>	<i>kHz</i>	<i>kW</i>	<i>Target area</i>
2030-2100	Mon	English	Okeechobee FL, USA	15770	100	Europe

Italy

Radiotelevisione Italiana

RAI - Radiotelevisione Italiana, commercially styled as Rai since 2000 and known until 1954 as Radio Audizioni Italiane, is the national public broadcasting company of Italy, owned by the Ministry of Economy and Finance. RAI operates many terrestrial and subscription television channels and radio stations. RAI no longer broadcasts on shortwave.

International broadcasting on shortwave

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). IRRS operates from offices in Milan, Italy, and Dublin, Ireland, with technical facilities located around the world.

0900-1000 Saturdays and may include:

<i>Time/UTC</i>	<i>Days</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
0900-1000	1st/2nd/3rd Sat	Radio City	9510	Saftica, Romania	100	Europe
0900-1000	4th Sat	Radio Rasant	9510	Saftica, Romania	100	Europe

1030-1300 Sundays and may include:

<i>Time/UTC</i>	<i>Days</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
1030-1100	Sun	Living the Bible	9510	Saftica, Romania	100	Europe
1100-1130	Sun	News & features	9510	Saftica, Romania	100	Europe
1130-1145	Sun	United Nations Radio	9510	Saftica, Romania	100	Europe
1145-1200	Sun	Faithway Baptist Hour	9510	Saftica, Romania	100	Europe
1200-1230	Sun	AWR Wavescan	9510	Saftica, Romania	100	Europe
1230-1245	Sun	16 Gwendoline Street	9510	Saftica, Romania	100	Europe
1245-1300	Sun	News & features	9510	Saftica, Romania	100	Europe

1500-1530 Daily except Wednesdays/Sundays:

<i>Time/UTC</i>	<i>Days</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
1500-1505	Mon-Wed/Fri/Sat	Oromia National Media	15425	Galbeni, Romania	300	Africa
1505-1530	Mon-Wed/Fri/Sat	Oromia National Media	15445	Galbeni, Romania	300	Africa

Oromo National Media starts on 15445 kHz at 1500 and moves to 15425 kHz at 1505 regardless of whether there is Ethiopian jamming or not.

1500-1530 Sundays:

<i>Time/UTC</i>	<i>Days</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
1500-1530	Sun	Gospel Miracle Time	15375	Galbeni, Romania	300	Asia

1800-1900 Daily and may include:

<i>Time/UTC</i>	<i>Days</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
1815-1844	1st/2nd/4th Fri	World of Radio	7290	Kostinbrod, Bulgaria	50	Europe
1830-1900	Tue	Wavescan	7290	Kostinbrod, Bulgaria	50	Europe
1830-1900	Sat	Gospel Miracle Time	7290	Kostinbrod, Bulgaria	50	Europe



Moldova (Pridnestrovian Moldavian Republic)

The self-proclaimed Pridnestrovian Moldavian Republic is an unrecognised state which controls part of the geographical region of Transnistria (the area between the Dniester river and Ukraine) and also the city of Bender and its surrounding localities on the west bank. This area was part of the former Moldavian SSR, and since the dissolution of the USSR has been claimed by the Republic of Moldova as the Administrative-Territorial Units of the Left Bank of the Dniester. The region is considered by the UN to be part of Moldova.

Pridnestrovsky Radioteletsentr - Maiac

The Transnistrian Radio and Television Center (TRTC) is located in Maiac, an urban settlement (according to Transnistrian legislation), or city (according to the Moldovan legislation) in the Grigoriopol District, 11 km (7 miles) northeast of Grigoriopol, on the Ukrainian border. It is a large broadcasting centre for shortwave and mediumwave, which was built up in the years between 1968 and 1975. In October 2007 the Russian unitary enterprise Russian Television and Radio Networks acquired 100% of shares of the TRTC. As of November 2023, the shortwave transmitters are inactive.

Netherlands

The Dutch public broadcasting system is a set of organisations that together take care of public service television and radio broadcasting in the Netherlands. It is composed of a foundation called Nederlandse Publieke Omroep (NPO), which acts as its governing body, and a number of public broadcasters. The Dutch Media Act 2008 regulates how air time is divided and puts the administration of the public broadcasting system in the hands of the Board of Directors of NPO. In addition to the national broadcasters, there are also regional broadcasters and local broadcasters in the Netherlands.

Private radio stations on shortwave

Several privately-owned shortwave transmitters have been licensed in the Netherlands:

kHz	Operator	Location	Schedule
5940	Radio Piepzender	Zwolle	Irregular - weekends (main frequency)
5955	Sunlite	Westdorp	0500-1500
6020	Radio Delta International	Elburg	Irregular
6020	Radio Casanova International	Winterswijk	Irregular
6060	Radio Delta International	Elburg	Saturdays 1400-2000
6060	Radio Casanova International	Winterswijk	Irregular
6130	Radio Europe	Alphen a/d Rijn	24/7
6140	Radio Onda	Borculo	Currently off-air (see entry for Belgium)
6170	Radio Europe	Alphen a/d Rijn	may be used on occasions
6185	Radio Piepzender	Zwolle	Irregular - last Sunday of the month
7270	Rockpower	Nijmegen	0900v-1600
7340	Radio Europe	Alphen a/d Rijn	may be used on occasions
7405	Radio Piepzender	Zwolle	Irregular (main frequency)
7425	Radio Piepzender	Zwolle	Irregular (alternative to 7405 kHz)
9520	Radio Europe	Alphen a/d Rijn	Alternative to 6130 kHz
9530	Radio Onda	Borculo	Currently off-air (see entry for Belgium)
11835	Radio Piepzender	Zwolle	may be used on occasions
12075	Radio Delta International	Elburg	Weekends 0800-1400 (tests)
13595	Radio Piepzender	Zwolle	may be used on occasions
18940	Radio Europe	Alphen a/d Rijn	Future plan

Thanks to Stig Hartvig Nielsen for updates in his monthly list of "European Private Shortwave Stations".

Radio Casanova International

Radio Casanova International is a licensed Dutch shortwave station.

Transmitter site: Winterswijk, Gelderland - 1 kW.

kHz	Schedule/comments
6020	Irregular
6060	Irregular

Radio Delta International

Radio Delta International is a Dutch free radio station founded in 1971. Nowadays they are broadcasting with a license.

Transmitter site: Elburg, Gelderland - 1 kW.

kHz	Schedule/comments
6020	Irregular
6060	Saturdays 1400-2000
12075	Weekends 0800-1400 (tests)

Radio Europe

Radio Europe was newly registered with HFCC from 28 June 2021.

Transmitter site: Alphen aan den Rijn, Zuid Holland - 1 kW.

kHz **Schedule/comments**

6130 24/7

Radio Piepzender

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

Transmitter site: Zwolle, Overijssel - 1 kW

kHz **Schedule/comments**

5940 Irregular, weekends, main frequency

6185 Irregular, last Sunday of the month

7405 Irregular, main frequency

7425 Irregular, alternative to 7405 kHz

11835 may be used on occasions

13595 may be used on occasions

Rockpower

Rockpower plays continuous classic pop & pop rock music mainly from the 60s and 70s.

Transmitter site: Nijmegen, Gelderland - 1 kW.

kHz **Schedule/comments**

7270 0900v-1600

Sunlite

Sunlite is a national DAB+ station in the Netherlands, which also broadcasts on shortwave.

Transmitter site: Westdorpe, Zeeland - 0.075 kW.

kHz **Schedule/comments**

5955 Daily 0500-1500

International broadcasting on shortwave

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 by Radio Miami International. These are the times that The Mighty KBC features within the WRMI schedule as of November 2023:

Time/UTC	Days	kHz	Transmitter site	kW	Target area
0000-0200	Sun	5950	WRMI Okeechobee FL	100	North America
0000-0200	Sun	9455	WRMI Okeechobee FL	100	North America
0100-0200	Sun	7730	WRMI Okeechobee FL	100	North America
0200-0300	Sat	5850	WRMI Okeechobee FL	100	North America
0800-0900	Sat	7780	WRMI Okeechobee FL	100	Central America
1100-1200	Fri	7730	WRMI Okeechobee FL	100	North America
1100-1200	Fri	15770	WRMI Okeechobee FL	100	Europe
1200-1300	Sat/Sun	7730	WRMI Okeechobee FL	100	North America
1200-1300	Sun	15770	WRMI Okeechobee FL	100	Europe
1600-1700	Wed	15770	WRMI Okeechobee FL	100	Europe
2100-2300	Sun	5950	WRMI Okeechobee FL	100	North America

Norway

NRK

The Norwegian Broadcasting Corporation, commonly known by its initialism NRK, is the Norwegian government-owned radio and television public broadcasting company, and the largest media organisation in Norway. NRK no longer broadcasts on shortwave.

Private radio stations on shortwave

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 has in the past also aired services operated by Northern Star Media Services AS (see below).

Radio Northern Star

Radio Northern Star is operated by Northern Star Media Services AS and are broadcast over the facilities of LKB/LLK:

Transmitter site: Erdal, a village in Askøy municipality in Vestland county - 0.7 kW

kHz **Days** **Schedule**

5895 Daily 0455-2305

International broadcasting on shortwave

Radio Northern Europe International

Radio Northern Europe International is a shortwave show playing the best new pop, dance and traditional music from Norway, the UK, Ireland, Denmark, Sweden, Finland and Iceland to the world! RNEI shows are "a 30 minute journey through a blend of little known new music from Northern Europe in various languages and styles finished off with embedded digital-mode playlists and a small amount of talk to keep everything flowing nicely". You can see all the ways to listen to RNEI by clicking [here](#) (the schedule has not been updated since August 2023, so changes may have been made for B23). However, these are the times that RNEI features within the WRMI schedule as of November 2023:

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
0100-0200	Thu	5850	Okeechobee FL, USA	100	North America
0230-0300	Thu	5850	Okeechobee FL, USA	100	North America
1300-1400	Thu	7730	Okeechobee FL, USA	100	North America
		15770	Okeechobee FL, USA	100	Europe

Poland

Polskie Radio

Polskie Radio (English: Polish Radio) is Poland's national public-service radio broadcasting organisation. It is owned by the State Treasury of Poland.

International broadcasting on shortwave

Radio Poland

Radio Poland is part of Poland's public radio network, Polish Radio. Shortwave broadcasts no longer originate from Poland itself, but Radio Poland was heard as recently as November 2023 with a programme in English that formed part of the World Radio Network (WRN) stream for North America and was re-broadcast on shortwave by Radio Miami International. However, this has now been discontinued (it was at 2300-0000 on 7570 kHz)

Romania

Radio România

The Romanian Radio Broadcasting Company (Romanian: Societatea Română de Radiodifuziune), informally referred to as Radio Romania (Romanian: Radio România), is the public radio broadcaster in Romania.

International broadcasting on shortwave

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).

Two out of the five transmitters broadcasting RRI's programmes were temporarily suspended on 1 August 2023. The RRI website at that time stated: "Dear friends, the Radio Romania Board of Administrators decided to temporarily suspend the use of 2 out of the 5 Radiocom shortwave transmitters that ensure the broadcast of Radio Romania International programmes, because of budget cuts. As of 1 August, our programmes are aired via one transmitter in Țigănești, one in Săftica (both of them near Bucharest) and one in Galbeni (east). As soon as the budget of the institution is restored, we will resume broadcasts on all 5 transmitters. The RRI programmes in Romanian, English, French, German, Spanish, Russian, Arabic, Chinese and Hebrew are affected. All of them may be received on only one frequency instead of 2, as of August 1, 2023". This situation remains in place for B23:

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>T'mitter site</i>	<i>kW</i>	<i>Target Area</i>
0000-0100	Daily	Spanish	7325	Galbeni	300	South America
			17560	Țigănești	300	South America
0100-0200	Daily	English	7325	Galbeni	300	North America
0100-0300	Daily	Romanian	9700	Țigănești	300	North America
0200-0300	Daily	French	7410	Galbeni	300	North America
0300-0400	Daily	Spanish	11785	Galbeni	300	Central America
			15260	Țigănești	300	South America
0400-0500	Daily	English	9510	Galbeni	300	North America
			9420	Țigănești	90	South Asia (DRM)
0500-0530	Daily	Chinese	15260	Țigănești	300	East Asia
0500-0600	Daily	Romanian	7220	Galbeni	300	Europe
0530-0600	Daily	Russian	9420	Țigănești	300	Western Russia
0600-0630	Daily	French	11730	Galbeni	300	West Africa
			15200	Țigănești	300	Europe

0630-0700	Daily	English	11930	Galbeni	300	Europe
			21470	Țigănești	300	Australia
0700-0730	Daily	German	11620	Țigănești	300	Europe
0730-0800	Daily	Arabic	11660	Galbeni	300	North Africa
			17560	Țigănești	300	Middle East
0800-0900	Sun	Romanian	17560	Țigănești	300	Middle East
			17750	Galbeni	300	West Asia
0900-1000	Sun	Romanian	17640	Țigănești	300	Middle East
			17750	Galbeni	300	North Africa
1000-1100	Sun	Romanian	17640	Țigănești	300	North Africa
			17800	Galbeni	300	Europe
1100-1200	Daily	French	17640	Țigănești	300	North Africa
			17800	Galbeni	300	Europe
1200-1300	Daily	English	15460	Galbeni	300	Europe
			21470	Țigănești	300	North-East Africa
1300-1330	Daily	Arabic	15170	Țigănești	300	Middle East
			15460	Galbeni	300	North Africa
1300-1400	Daily	Romanian	9570	Săftica	100	Europe
1300-1400	Daily	Chinese	13690	Țigănești	300	East Asia
1400-1500	Daily	Russian	13690	Țigănești	300	Eastern Russia
1400-1600	Daily	Romanian	17790	Galbeni	300	Europe
1500-1530	Daily	Italian	5955	Săftica	100	Europe
1500-1600	Daily	German	15250	Țigănești	300	Europe
1530-1600	Daily	Aromanian	5955	Săftica	100	Europe
1600-1630	Daily	Ukrainian	5955	Săftica	100	Europe
1600-1630	Daily	Russian	13740	Țigănești	300	Western Russia
1630-1700	Daily	Serbian	5955	Săftica	100	Europe
1630-1700	Daily	Arabic	11975	Galbeni	300	North Africa
			17530	Țigănești	300	Middle East
1700-1730	Daily	Italian	5955	Săftica	100	Europe
1700-1800	Daily	French	9720	Țigănești	90	Europe (DRM)
1700-1800	Mon-Sat	Romanian	11815	Galbeni	300	Middle East
1700-1800	Sun	Hebrew	11815	Galbeni	300	Middle East
1730-1800	Daily	Aromanian	5955	Săftica	100	Europe
1800-1830	Daily	Ukrainian	5955	Săftica	100	Europe
1800-1900	Daily	English	11630	Țigănești	90	Europe (DRM)
1800-2100	Daily	Romanian	9780	Galbeni	300	Europe
1830-1900	Daily	Serbian	5955	Săftica	100	Europe
1900-1930	Daily	Italian	5955	Săftica	40	Europe (DRM)
1900-2000	Daily	German	7235	Țigănești	90	Europe (DRM)
1930-2000	Daily	Aromanian	5955	Săftica	100	Europe
2000-2030	Daily	Ukrainian	5960	Săftica	100	Europe
2000-2100	Daily	Spanish	9500	Țigănești	300	Europe
2030-2100	Daily	Serbian	5960	Săftica	100	Europe
2100-2130	Daily	French	7375	Galbeni	300	Europe
2130-2200	Daily	English	7375	Galbeni	300	Europe
			9500	Țigănești	300	North America
2200-2300	Daily	Spanish	9490	Țigănești	90	South America (DRM)
2300-0000	Daily	English	7220	Galbeni	300	Europe
			9620	Țigănești	300	East Asia



Shortwave relays Radiocom facilities

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, used by Radio Romania International and for these other relays:

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
0800-0900	Sat	IRRS-brokered programmes	9510	Saftica, Romania	100	Europe
1030-1300	Sun	IRRS-brokered programmes	9510	Saftica, Romania	100	Europe
1500-1505	Mon-Wed/Fri/Sat	Oromia National Media *	15425	Galbeni, Romania	300	Africa
1505-1530	Mon-Wed/Fri/Sat	Oromia National Media *	15445	Galbeni, Romania	300	Africa
1500-1530	Sun	Gospel Miracle Time *	15375	Galbeni, Romania	300	Asia

* brokered by IRRS

Russia

VGTRK

The All-Russia State Television and Radio Broadcasting Company is a national state-owned broadcaster which operates many television and radio channels. The company was founded in 1990 and is based in Moscow.

Domestic broadcasting on shortwave

The only licenced broadcasting station on shortwave in Russia at the current time is (or was) Radio Purga. It is located in Far Eastern Russia (not the European part of Russia, but mentioned here for convenience). It had broadcast on shortwave in DRM mode, but there appear to be no registrations for the B23 season and Alex Miatlikov points out that there do not appear to be any logs of the station since November 2021.

Target broadcasts on shortwave to Russia

Echo Sthlm

The station's website says "Echo Sthlm is a Stockholm-based, Russian-language radio station where you get unbiased news about Russia and the war in Ukraine. With in-depth discussions and interviews, we convey a picture that is relevant to a broad Russian audience. No censorship – just quality, fact-based content. Echo Sthlm was set up as a reaction to the Russian state's increasing censorship: several Russian radio stations, websites and media outlets have been forced to close down since the invasion of Ukraine. We therefore broadcast both as a podcast on the internet and via shortwave radio, so that listeners in Russia can stay informed despite censorship attempts". The station was set up by former staff of Radio Sweden's Russian service with their first podcast on 18 March and first shortwave broadcast on 24 March 2022.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
2000-2100	Tue/Sat	Russian	9670	Channel 292, Röhrbach, Germany	10	Russia/Eastern Europe

RFE/RL Radio Liberty (Radio Svoboda)

The Russian Service of Radio Liberty (Radio Svoboda) is one of the editorial offices of the Radio Free Europe/Radio Liberty media corporation. Founded in 1953. The headquarters is located in Prague. Radio Free Europe/Radio Liberty is a non-profit media corporation that distributes information on various platforms to audiences in 23 countries in Eastern, Central and South-Eastern Europe, the Caucasus, Central and South Asia in 27 languages. The Corporation, as a private grantee, is funded by funds provided by the US Congress through the US Overseas Broadcasting Trustee, the US Agency for Global Media. Although not aired on shortwave at the time, following the Russian invasion of Ukraine daily broadcasts were made possible by listener contributions to "Shortwaves for Freedom", which purchased airtime at greatly discounted rates. Although the SFF campaign has now ended, WRMI still airs a Radio Liberty broadcast as follows:

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
0400-0500	Mon-Sat	Russian	15770	WRMI Okeechobee FL, USA	100	Russia/Eastern Europe

World Radio Network

WRN began shortwave broadcasts to Russia on 29 October 2023 with programming that appears on the WRN Russian stream (see entry for United Kingdom for other WRN streams currently heard on shortwave).

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
1500-1530	Daily	Radio Prague International	Russian	12095	Dhabbaya, UAE	250	Russia
1530-1600	Mon	Bolt	Russian	12095	Dhabbaya, UAE	250	Russia
	Tue-Thu	Kaleidoscope	Russian	12095	Dhabbaya, UAE	250	Russia
	Fri	Figure of Speech	Russian	12095	Dhabbaya, UAE	250	Russia
	Sat	Radio Panorama	Russian	12095	Dhabbaya, UAE	250	Russia
	Sun	UN Weekly Review	Russian	12095	Dhabbaya, UAE	250	Russia
1600-1620	Daily	NHK World Japan	Russian	12095	Dhabbaya, UAE	250	Russia
1620-1630	Daily	There's Time to Tell	Russian	12095	Dhabbaya, UAE	250	Russia
1630-1700	Daily	Radio Slovakia International	Russian	12095	Dhabbaya, UAE	250	Russia



Slovakia

RTVS

Radio and Television of Slovakia (Slovak: Rozhlas a televízia Slovenska), or RTVS, is a nationwide public broadcasting state-funded organisation in Slovakia. It is headquartered in Bratislava.

International broadcasting on shortwave

Radio Slovakia International

Radio Slovakia International (RSI) is Slovakia's official internet-based international broadcaster. Although shortwave broadcasts no longer originate from Slovakia, Radio Slovakia International is re-broadcast 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>Target area</i>
0000-0030	Daily	Slovak	5850	Okeechobee FL, USA	100	North America
			7730	Okeechobee FL, USA	100	North America
			15770	Okeechobee FL, USA	100	Europe
0030-0100	Daily	English	5850	Okeechobee FL, USA	100	North America
			7730	Okeechobee FL, USA	100	North America
			15770	Okeechobee FL, USA	100	Europe
0030-0100	Daily	Spanish	5010	Okeechobee FL, USA	100	Caribbean
0130-0200	Tue-Sat	English	5800	Okeechobee FL, USA	100	Caribbean
0230-0300	Daily	Spanish	9955	Okeechobee FL, USA	100	Central/South America
0300-0330	Daily	English	7730	Okeechobee FL, USA	100	North America
			7780	Okeechobee FL, USA	100	Central America
			7730	Okeechobee FL, USA	100	North America
0630-0700	Daily	Spanish	7730	Okeechobee FL, USA	100	North America
			15770	Okeechobee FL, USA	100	Europe
			6005	Kall, Krekel, Germany	10	Europe
1100-1130	Daily	German	6005	Kall, Krekel, Germany	10	Europe
1130-1200	Daily	English	6005	Kall, Krekel, Germany	10	Europe
1200-1230	Daily	French	6005	Kall, Krekel, Germany	1	Europe
1230-1300	Daily	Spanish	6005	Kall, Krekel, Germany	1	Europe
1230-1300	Daily	Spanish	9955	Okeechobee FL, USA	100	Central/South America
1300-1330	Daily	German	6005	Kall, Krekel, Germany	1	Europe
1330-1400	Daily	English	6005	Kall, Krekel, Germany	1	Europe
1400-1430	Daily	French	6005	Kall, Krekel, Germany	1	Europe
1430-1500	Daily	German	6005	Kall, Krekel, Germany	1	Europe
1500-1530	Daily	English	6005	Kall, Krekel, Germany	1	Europe
1530-1600	Daily	French	6005	Kall, Krekel, Germany	1	Europe
1600-1630	Daily	Spanish	6005	Kall, Krekel, Germany	1	Europe
1630-1700	Daily	Russian	12095	Dhabbaya, UAE	250	Russia (re-broadcast of WRN Russian)
1800-1830	Daily	German	3985	Kall, Krekel, Germany	1	Europe
1830-1900	Daily	English	3985	Kall, Krekel, Germany	1	Europe
1900-1930	Daily	French	3985	Kall, Krekel, Germany	1	Europe
1930-2000	Daily	Spanish	3985	Kall, Krekel, Germany	1	Europe
2000-2030	Mon	English	15770	Okeechobee FL, USA	100	Europe (re-broadcast of WRN N America)
2200-2230	Daily	English	5850	Okeechobee FL, USA	100	North America



**RÁDIO SLOVAKIA
INTERNATIONAL**

Spain

Radio Nacional de España

Radio Nacional de España (acronym RNE, branded rne, lit. transl. "National Radio of Spain") is the national state-owned public service radio broadcaster in Spain.

International broadcasting on shortwave

Radio Exterior de España

Radio Exterior de España is the international radio service operated by Radio Nacional de España. It is primarily intended for Spaniards living abroad with limited content in Arabic, English, French, Ladino, Portuguese and Russian.

Transmitter site: Noblejas, a municipality located in the province of Toledo, Castilla-La Mancha.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Target area</i>
1500-2230	Sun	Spanish	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa

1500-2300	Sat	Spanish	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa
1600-1730	Mon-Fri	Spanish	12030	200	North Africa, Middle East
			17755	200	Western Africa
1730-1800	Mon-Fri	Arabic	12030	200	North Africa, Middle East
			17755	200	Western Africa
1800-1830	Mon/Wed/Fri	Russian	12030	200	Eastern Europe
1800-1830	Tue	Ladino	12030	200	Middle East
1800-1830	Thu	Spanish	12030	200	North Africa, Middle East
1800-1830	Mon-Fri	Portuguese	17755	200	Western Africa
1830-1900	Mon-Fri	Spanish	12030	200	North Africa, Middle East
			17755	200	Western Africa
1900-2300	Mon-Fri	Spanish	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa
2230-2300	Mon-Fri	Spanish	9690	200	North America, Caribbean
			17715	200	South America
2230-2300	Mon-Fri	Arabic	12030	200	North Africa, Middle East
			17755	200	Western Africa
2230-2300	Sun	Ladino	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa
2300-2330	Mon/Wed/Fri	English	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa
2300-2330	Thu	Spanish	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa
2300-2330	Tue	Ladino	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa
2330-0000	Mon/Wed/Fri	French	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa
2330-0000	Tue/Thu	Spanish	9690	200	North America, Caribbean
			12030	200	North Africa, Middle East
			17715	200	South America
			17755	200	Western Africa
0000-0030	Tue-Sat	Portuguese	9690	200	North America, Caribbean
			17715	200	South America
0030-0300	Tue-Sat	Spanish	9690	200	North America, Caribbean
			17715	200	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 uses the facilities of Shortwaveservice, Kall, Krekel, Germany

Time/UTC	Days	Language	kHz	kW	Target area
0800-1800	Daily	English/Dutch/French/German	6085	20	Europe

Sweden

Sveriges Radio

Sveriges Radio ("Sweden's Radio") is Sweden's national publicly funded radio broadcaster.

International broadcasting on shortwave

IBRA Media

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

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>	<i>Main programme</i>
0000-0030	Daily	Bengali	7470	Tashkent, Uzbekistan	100	South Asia	Radio Ibrahim
0230-0300	Daily	Dari	7300	Dhabbaya, UAE	250	Afghanistan	Radio Sadaye Zindagi
0800-0830	Daily	Arabic	17640	Woofferton, UK	250	Middle East	Radio Sama
0830-1030	Daily	Dari	17865	Dhabbaya, UAE	250	Afghanistan	Radio Sadaye Zindagi
1430-1500	Daily	Hazaragi	11725	Dhabbaya, UAE	250	Afghanistan	Radio Sadaye Zindagi
1455-1755	Daily	various	5130	Bishkek, Kyrgyzstan	15	Afgh./C Asia	various prgrs
1500-1530	Daily	Bengali	7470	Tashkent, Uzbekistan	100	South Asia	Radio Ibrahim
1500-1545	Daily	Pashto	9580	Dhabbaya, UAE	250	Afghanistan	Pashto Radio
1600-1630	Daily	Afar	11655	Dhabbaya, UAE	250	Horn of Africa	Radio Ibrahim
1615-1630	Mon-Wed	Guragena	9540	Dhabbaya UAE	250	Horn of Africa	Radio Ibrahim
1615-1630	Thu-Sun	Amharic	9540	Dhabbaya UAE	250	Horn of Africa	Radio Ibrahim
1630-1700	Daily	Amharic	9540	Dhabbaya, UAE	250	Horn of Africa	Radio Ibrahim
1700-1730	Daily	Oromo	9540	Dhabbaya, UAE	250	Horn of Africa	Radio Ibrahim
1700-1800	Daily	Arabic	15260	Woofferton, UK	250	Middle East	Radio Sama
1730-1800	Daily	Tigrinya	9540	Dhabbaya, UAE	250	Horn of Africa	Radio Ibrahim
1730-1800	Daily	Silt'e	9750	Dhabbaya, UAE	250	Sudan	Radio Ibrahim
1730-1900	Daily	Arabic	15510	Woofferton, UK	250	North-East Africa	Radio Sama

Switzerland

Schweizerische Radio und Fernsehgesellschaft (SRG)

Schweizerische Radio und Fernsehgesellschaft (SRG; English: Swiss Broadcasting Corporation) is the Swiss public broadcasting association, comprising of the German language "Schweizer Radio und Fernsehen" (SRF), French language "Radio Télévision Suisse" (RTS), Italian language "Radiotelevisione Svizzera di lingua Italiana" (RSI) and Romansh "Radiotelevision Svizra Rumantscha" (RTR)

International broadcasting on shortwave

Schweizer Radio und Fernsehen (SRF)

SRF has a daily broadcast in German over ShortwaveService.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
1700-1800	Daily	German	SRF - Echo der Zeit	3985	Kall, Krekel, Germany	1	Europe

C M Obrecht Shortwave Radio

"C. M. Obrecht shortwave radio" is an officially registered Swiss private radio station. Claudius Matthias Obrecht is a Swiss musician. From his website: "I was born in Hofstetten, Switzerland in 1980 and still live in Switzerland. Since I was 16 years old electronic music and synthesizers have fascinated me, because my father was a big Jean-Michel Jarre fan and showed me one of his concerts. At the age of 17, I recorded some music (at this time with a Yamaha Cs1x "ROMpler" and a Doepfer MS-404. Most devices at this time were digital "ROMPlers") and learned to play different instruments (after a bit of piano). In 2015 I found the korg volca analogue synthesizers in a store by coincidence. This has let the flame burn up - as I was 17 I ever want to have several different analogue synthesizers which now is possible. I'm working as software developer/programmer. I learned and am still learning different languages; Swedish (which I don't used much), Slovak, Russian (mostly write and read), Polish and a bit of Czech, along with Slovenian and Hungarian. German is my mother tongue. I'm broadcasting on shortwave, on different frequencies. There are programs transmitted from different broadcasters to the whole world (my own music only) and also a Channel 292 program (mixed-music from several interprets). For the other broadcasts are announcements in my social media accounts. I transmit with ORS Moosbrunn (with Channel 292 also), Media Broadcast, WRMI Miami and Encompass (Woofferton)". The next broadcasts on shortwave are expected to be:

<i>Date</i>	<i>Time/UTC</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>	<i>Note</i>
19 November 2023	1900-2000	6070	Channel 292, Rohrback, Germany	10	Europe	
26 November 2023	2100-2200	17790	WRMI Okeechobee FL	100	South America	

Further details of forthcoming broadcasts can be found at <https://cmobrecht.jimdofree.com/shortwave-radio/>

Ukraine

Ukrainian Radio

Ukrainian Radio is the publicly funded radio broadcaster in Ukraine. In 2017 it was merged with the national TV company into the country's public broadcaster, Suspilne. Until the creation of the National Public Broadcasting Company of Ukraine, the National Radio Company of Ukraine was an independent company. The Ukrainian Radio Directorate of the Suspilne is a structural subdivision of the company, which integrates four broadcasting channels, the studios of Radio House and the Recording House of Ukrainian Radio, and 5 radio ensembles.

Radio Ukraine International

Radio Ukraine International, abbreviated RUI, is the official international broadcasting station of Ukraine, with foreign language news and programming being produced by Ukrainian Radio's main editorial department. The Ukrainian language programming aired on RUI is produced by the domestic First Channel.

RUI provides listeners with up-to-date information about the Russian-Ukrainian war in the form of short podcasts called "Ukraine: Security Issue" (as prepared by Ukrainian Radio). These are presented as a digest of the most important news of the day in Belarusian, Bulgarian, Hungarian, Polish, Romanian, Slovak and Ukrainian (note that Alex Miatloikov confirmed on 22 November 2023 that the edition in English has been cancelled).

Although there are currently no broadcasts on shortwave from Ukraine itself, there had been relays of Radio Ukraine International by Radio Miami International (WRMI) in Florida, USA. However, Alex Miatlikov confirms that WRMI dropped RUI from its schedule approximately in early May 2023 or a bit earlier. Now those time slots are used by Supreme Master TV and Overcomer Ministry. WRMI's own schedule for system H still includes RUI, but they have always had problems with updates ...



Many thanks to Alex Miatlikov for his help and guidance with the entry for Ukraine.

United Kingdom

British Broadcasting Corporation

The British Broadcasting Corporation (BBC) is a British public service broadcaster headquartered at Broadcasting House in London.

International broadcasting on shortwave

BBC World Service

The BBC World Service is an international broadcaster owned and operated by the BBC. It is the world's largest external broadcaster in terms of reception area, language selection and audience reach. It broadcasts radio news, speech and discussions in more than 40 languages to many parts of the world. It was funded for decades by grant-in-aid through the Foreign and Commonwealth Office until 1 April 2014. Since then it has been funded by a mixture of the UK's TV licence fee, limited advertising profits of BBC Studios, and Foreign, Commonwealth and Development Office funding.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Target area
0000-0100	Daily	English	5875	Tashkent, Uzbekistan	100	South Asia
			5980	A'Seela, Oman	250	South Asia
0000-0100	Mon-Fri	English	15720	Rangitaiki, New Zealand	50	Pacific (Newsday relayed by RNZ Pacific)
	0030-0100	Daily	Dari	7410	SMG, Vatican	250
7445				Woofferton, UK	125	Afghanistan
7445				A'Seela, Oman	250	Afghanistan
0100-0130	Daily	Pashto	7410	SMG, Vatican	250	Afghanistan
			7445	A'Seela, Oman	250	Afghanistan
			7445	A'Seela, Oman	250	Afghanistan
0100-0200	Daily	English	5875	Tashkent, Uzbekistan	100	South Asia
			7430	A'Seela, Oman	250	South Asia
0130-0200	Daily	Dari	6195	A'Seela, Oman	250	Afghanistan
			7410	SMG, Vatican	250	Afghanistan
			7445	A'Seela, Oman	250	Afghanistan
0200-0230	Daily	Pashto	5875	Yerevan, Armenia	300	Afghanistan
			6195	A'Seela, Oman	250	Afghanistan
			7445	A'Seela, Oman	250	Afghanistan

0230-0300	Daily	Dari	5875	Yerevan, Armenia	300	Afghanistan
			6195	A'Seela, Oman	250	Afghanistan
			7445	A'Seela, Oman	250	Afghanistan
0300-0330	Daily	Pashto	9410	A'Seela, Oman	250	Afghanistan
			11870	A'Seela, Oman	250	Afghanistan
			12095	Dhabbaya, UAE	250	Afghanistan
0400-0430	Daily	Somali	13790	Dhabbaya, UAE	250	Horn of Africa
			15420	A'Seela, Oman	250	Horn of Africa
0400-0500	Daily	English	12095	Talata V., Madagascar	250	East Africa
0500-0600	Daily	English	6195	SMG, Vatican	250	West Africa
			7285	Ascension Island	125	Central Africa
			9410	Ascension Island	125	West Africa
			12095	Pinheira, São Tomé	100	Southern Africa
			15400	Talata V., Madagascar	250	Southern Africa
			17690	Dhabbaya, UAE	250	East Africa
0500-0600	Sat	Krwna	17815	Dhabbaya, UAE	250	African Great Lakes
			21660	Dhabbaya, UAE	250	African Great Lakes
0529-0600	Daily	Hausa	5975	Woofferton, UK	250	West Africa
			6135	Ascension Island	125	West Africa
			7305	Ascension Island	125	West Africa
0529-0600	Sun	Krwna	17815	Dhabbaya, UAE	250	African Great Lakes
			21660	Dhabbaya, UAE	250	African Great Lakes
0559-0700	Daily	English	3955	Woofferton, UK	100	Europe (DRM)
0600-0629	Daily	French	6195	SMG, Vatican	250	North Africa
			7265	Woofferton, UK	125	North Africa
			7305	Ascension Island	125	West Africa
			12065	Ascension Island	250	Central Africa
0600-0700	Daily	English	7285	Pinheira, São Tomé	100	West Africa
			11810	Ascension Island	125	Central Africa
			11830	Ascension Island	125	West Africa
			15400	Pinheira, São Tomé	100	Southern Africa
			15490	SMG, Vatican	250	Central Africa
			17640	Talata V., Madagascar	250	Southern Africa
			21560	Dhabbaya, UAE	250	East Africa
0629-0700	Daily	Hausa	9410	Ascension Island	125	West Africa
			11640	Ascension Island	125	West Africa
			12095	SMG, Vatican	250	West Africa
0700-0729	Daily	French	12095	Ascension Island	250	West Africa
			21630	Pinheira, São Tomé	250	Central Africa
0700-0800	Daily	English	11830	Pinheira, São Tomé	100	West Africa
			15400	Ascension Island	125	West Africa
			15490	Ascension Island	125	Central Africa
			17640	Pinheira, São Tomé	100	Southern Africa
			21470	SMG, Vatican City	250	Central Africa
			21660	Talata V., Madagascar	125	Southern Africa
0759-0900	Daily	English	15110	Tashkent, Uzbekistan	100	South Asia (DRM)
0830-0900	Daily	Dari	15310	A'Seela, Oman	250	Afghanistan
			17810	A'Seela, Oman	250	Afghanistan
0900-0930	Daily	Pashto	15310	A'Seela, Oman	250	Afghanistan
			17810	A'Seela, Oman	250	Afghanistan
0930-1000	Daily	Dari	15310	A'Seela, Oman	250	Afghanistan
			17810	A'Seela, Oman	250	Afghanistan
1000-1030	Daily	Pashto	15310	A'Seela, Oman	250	Afghanistan
			17810	A'Seela, Oman	250	Afghanistan
1000-1100	Daily	English	9580	Tinang, Philippines	250	South-East Asia
1030-1100	Daily	Dari	15310	A'Seela, Oman	250	Afghanistan
			17810	A'Seela, Oman	250	Afghanistan
1100-1130	Daily	Pashto	15310	A'Seela, Oman	250	Afghanistan
			17810	A'Seela, Oman	250	Afghanistan
1100-1200	Daily	English	9580	Tinang, Philippines	250	South-East Asia
1130-1200	Sat/Sun	Hausa	17780	Ascension Island	250	West Africa (Premier League football)
			21560	Ascension Island	250	West Africa (Premier League football)
1130-1200	Sat/Sun	Somali	12065	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			17745	Woofferton, UK	250	Horn of Africa (Premier League football)
1200-1230	Daily	French	17640	Ascension Island	250	West Africa
			17535	Woofferton, UK	250	North Africa
			25900	Talata V., Madagascar	250	Central Africa

1200-1300	Daily	English	11850	A'Seela, Oman	250	South Asia
			15295	A'Seela, Oman	250	South Asia
1200-1300	Sat/Sun	Hausa	17780	Ascension Island	250	West Africa (Premier League football)
			21560	Ascension Island	250	West Africa (Premier League football)
1200-1300	Sat/Sun	Somali	12065	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			17745	Woofferton, UK	250	Horn of Africa (Premier League football)
			21660	Talata V., Madagascar	250	Horn of Africa (Premier League football)
1230-1300	Mon-Fri	Korean	7485	Tinian, N Marianas	250	North Korea
			17760	Tinang, Philippines	100	North Korea
1300-1400	Daily	English	9410	Tashkent, Uzbekistan	100	South Asia
			11850	A'Seela, Oman	250	South Asia
1300-1400	Sat/Sun	Hausa	17780	Ascension Island	250	West Africa (Premier League football)
			21560	Ascension Island	250	West Africa (Premier League football)
1300-1400	Sat/Sun	Somali	12065	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			17745	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			21660	Talata V., Madagascar	250	Horn of Africa (Premier League football)
1330-1400	Daily	Burmese	7485	Tashkent, Uzbekistan	100	South-East Asia
			9560	Tinang, Philippines	250	South-East Asia
			15310	Dhabbaya, UAE	250	South-East Asia
1400-1430	Mon-Fri	Hausa	11640	Pinheira, São Tomé	100	West Africa
			21560	Ascension Island	250	West Africa
			21630	Dhabbaya, UAE	250	West Africa
1400-1500	Daily	Dari	5975	A'Seela, Oman	250	Afghanistan
			11995	A'Seela, Oman	250	Afghanistan
1400-1500	Sat/Sun	Hausa	17670	Ascension Island	250	West Africa (Premier League football)
			17780	Ascension Island	250	West Africa (Premier League football)
			21560	Ascension Island	250	West Africa (Premier League football)
1400-1500	Mon-Fri	Somali	12065	A'Seela, Oman	250	Horn of Africa
			15420	Dhabbaya, UAE	250	Horn of Africa
			21660	SMG, Vatican City	250	Horn of Africa
1400-1500	Sat/Sun	Somali	12065	A'Seela, Oman	250	Horn of Africa (Premier League football)
			17745	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			21660	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
1500-1600	Daily	English	9410	A'Seela, Oman	250	East Africa
1500-1600	Sat/Sun	Hausa	17670	Ascension Island	250	West Africa (Premier League football)
			17780	Ascension Island	250	West Africa (Premier League football)
			21560	Ascension Island	250	West Africa (Premier League football)
1500-1600	Daily	Pashto	5975	A'Seela, Oman	250	Afghanistan
			11995	A'Seela, Oman	250	Afghanistan
1500-1600	Sat/Sun	Somali	12065	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			17745	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
1530-1600	Mon-Fri	Korean	5845	Tinang, Philippines	250	North Korea
			5895	Dushanbe, Tajikistan	250	North Korea
			7485	Tinian, N Marianas	250	North Korea
1600-1630	Daily	Dari	5975	A'Seela, Oman	250	Afghanistan
			11995	A'Seela, Oman	250	Afghanistan
1600-1700	Daily	English	7445	Talata V., Madagascar	250	East Africa
			17640	A'Seela, Oman	250	Southern Africa
			21630	Ascension Island	125	Southern Africa
			25900	Woofferton, UK	125	Southern Africa
1600-1700	Sat/Sun	Hausa	17670	Ascension Island	250	West Africa (Premier League football)
			17780	Ascension Island	250	West Africa (Premier League football)
			21560	Ascension Island	250	West Africa (Premier League football)
1600-1700	Sat/Sun	Somali	9560	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			12065	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			15685	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			17745	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
1630-1700	Mon-Fri	Pashto	5975	A'Seela, Oman	250	Afghanistan
			11995	A'Seela, Oman	250	Afghanistan
1630-1700	Sat/Sun	Dari	5975	A'Seela, Oman	250	Afghanistan
			11995	A'Seela, Oman	250	Afghanistan
1630-1700	Mon-Fri	Krwna	9820	Dhabbaya, UAE	250	African Great Lakes
			15685	Talata V., Madagascar	125	African Great Lakes
1630-1700	Mon-Fri	Korean	5845	Tinang, Philippines	250	North Korea
			5895	Dushanbe, Tajikistan	250	North Korea
			7485	Tinian, N Marianas	250	North Korea

1700-1730	Sat/Sun	Hausa	15440	Ascension Island	250	West Africa (Premier League football)
			17670	Ascension Island	250	West Africa (Premier League football)
1700-1800	Daily	English	7265	Talata V., Madagascar	125	Southern Africa
			7445	Talata V., Madagascar	250	East Africa
			17780	Ascension Island	125	West Africa
			21630	Ascension Island	125	West Africa
			25900	Woofferton, UK	125	Central Africa
1700-1800	Daily	Dari	5875	Yerevan, Armenia	300	Afghanistan
			6090	A'Seela, Oman	250	Afghanistan
			11735	A'Seela, Oman	250	Afghanistan
1700-1800	Sat/Sun	Somali	9560	A'Seela, Oman	250	Horn of Africa (Premier League football)
			12065	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			15685	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
			17745	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
1730-1750	Mon-Fri	Amharic	11830	SMG, Vatican City	250	Horn of Africa
			11895	A'Seela, Oman	250	Horn of Africa
			15685	Dhabbaya, UAE	250	Horn of Africa
1730-1800	Sat/Sun	Hausa	15440	Ascension Island	250	West Africa (Premier League football)
1730-1800	Mon-Fri	Korean	5845	Tinang, Philippines	250	Korea
			5895	Dushanbe, Tajikistan	250	Korea
			7485	Tinian, N Marianas	250	Korea
1750-1810	Mon-Fri	Oromo	11830	SMG, Vatican City	250	Horn of Africa
			11895	A'Seela, Oman	250	Horn of Africa
			15685	Dhabbaya, UAE	250	Horn of Africa
1800-1830	Daily	French	6195	SMG, Vatican City	250	North Africa
			9750	SMG, Vatican City	100	Indian Ocean Islands
			11765	Kostinbrod, Bulgaria	250	Central Africa
			13790	SMG, Vatican City	250	West Africa
			15490	Ascension Island	125	West Africa
1800-1900	Daily	English	7265	Talata V., Madagascar	125	Southern Africa
			7445	Talata V., Madagascar	250	East Africa
			12095	Dhabbaya, UAE	250	East Africa
			15400	Ascension Island	125	West Africa
			15420	Ascension Island	125	Central Africa
			17780	Ascension Island	125	West Africa
1800-1900	Sat/Sun	Hausa	15440	Ascension Island	250	West Africa (Premier League football)
1800-1900	Daily	Pashto	5875	Yerevan, Armenia	300	Afghanistan
			6090	A'Seela, Oman	250	Afghanistan
			11735	A'Seela, Oman	250	Afghanistan
1800-1900	Sat/Sun	Somali	9560	A'Seela, Oman	250	Horn of Africa (Premier League football)
			15685	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
1810-1830	Mon-Fri	Tigrinya	11830	SMG, Vatican City	250	Horn of Africa
			11895	A'Seela, Oman	250	Horn of Africa
			15685	Dhabbaya, UAE	250	Horn of Africa
1830-1850	Mon-Fri	Amharic	9705	SMG, Vatican City	250	Horn of Africa
			11895	A'Seela, Oman	250	Horn of Africa
1850-1910	Mon-Fri	Oromo	9705	SMG, Vatican	250	Horn of Africa
			11895	A'Seela, Oman	250	Horn of Africa
1900-2000	Daily	English	7265	Talata V., Madagascar	125	Southern Africa
			7445	Talata V., Madagascar	250	East Africa
			9890	Pinheira, São Tomé	100	Southern Africa
			11810	Dhabbaya, UAE	250	Central Africa
			12095	Dhabbaya, UAE	250	East Africa
			15400	Ascension Island	125	West Africa
1900-2000	Sat/Sun	Hausa	15440	Ascension Island	250	West Africa (Premier League football)
1900-2000	Sat/Sun	Somali	9560	A'Seela, Oman	250	Horn of Africa (Premier League football)
			15685	Dhabbaya, UAE	250	Horn of Africa (Premier League football)
1910-1930	Mon-Fri	Tigrinya	9705	SMG, Vatican City	250	Horn of Africa
			11895	A'Seela, Oman	250	Horn of Africa
1930-2000	Sat-Thu	Hausa	9545	Woofferton, UK	125	West Africa
			11660	Ascension Island	125	West Africa
			15490	Ascension Island	125	West Africa
1930-2030	Fri	Hausa	9545	Woofferton, UK	125	West Africa
			11660	Ascension Island	125	West Africa
			15490	Ascension Island	125	West Africa
2000-2100	Daily	English	11810	Dhabbaya, UAE	250	Central Africa
			12095	Ascension Island	125	West Africa

2100-2200	Mon-Fri	English	11810	Ascension Island	125	Central Africa
			12095	Ascension Island	125	West Africa
2200-2300	Daily	English	9580	Tinang, Philippines	250	South-East Asia
2300-0000	Daily	English	11825	Tinang, Philippines	250	South-East Asia

Premier League football commentaries are broadcast on Hausa and Somali when matches are being played at weekend.

BBC World Service Antarctic Midwinter Broadcast 2023

Every year, the BBC World Service makes a special programme for just a small number of listeners: the team of scientists and support staff isolated at British research stations in the Antarctic midwinter. The Antarctic Midwinter Broadcast is unlike anything else on the BBC World Service. Presented by Cerys Matthews, it features messages from family and friends at home as well as music requests from Antarctica. The next broadcast will be on 21 June 2024 at 2130-2200 (with a test likely the week before on 14 June 2024)

Encompass Digital Media

From the Encompass website: "Encompass is a managed services company focused on supporting broadcasters (television and radio), cable networks, sports leagues and OTT platforms. They design, implement and operate reliable video and radio solutions that capture, process and deliver their clients' content from any source, in any format, to any destination in the most efficient manner possible". Encompass own and operate the Woofferton transmitter site and also own the World Radio Network, both of which are active on shortwave (see below).

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.

Time/UTC	Days	Station	Language	kHz	kW	Target area
0030-0100	Daily	BBC	Dari	7445	250	Afghanistan
0100-0130	Daily	BBC	Pashto	7445	250	Afghanistan
0130-0200	Daily	BBC	Dari	7445	250	Afghanistan
0500-0600	Daily	Radio Ndarason Int	Kanuri	7425	250	Lake Chad Basin
0529-0600	Daily	BBC	Hausa	5975	125	West Africa
0559-0700	Daily	BBC	English	3955	100	Europe
0600-0629	Daily	BBC	French	7265	250	North Africa
0600-0700	Daily	Radio Ndarason Int	Kanuri	9535	250	Lake Chad Basin
0700-0800	Daily	KBS World Radio	Korean	9870	250	Europe
0800-0830	Daily	IBRA Media	Arabic	17640	250	Middle East
1130-1300	Sat/Sun	BBC	Somali	17745	250	Horn of Africa
1200-1230	Daily	BBC	French	21500	250	North Africa
1400-1500	Daily	Voice of America	Kurdish	15595	250	Middle East
1430-1500	Daily	VOA Radio Ashna	Pashto	9835	250	West Asia
1500-1530	Daily	VOA Radio Ashna	Dari	9835	250	West Asia
1530-1600	Daily	VOA Radio Ashna	Pashto	9835	250	West Asia
1600-1630	Daily	VOA Radio Ashna	Dari	9835	250	West Asia
1600-1800	Daily	BBC	English	25900	250	Central Africa
1600-1800	Daily	Voice of America	Somali	11610	250	North-East Africa
1600-1800	Daily	Al Jazeera Arabic	Arabic	15385	250	Middle East
1630-1700	Mon-Fri	VOA South Sudan in Focus	English	13865	250	South Sudan
1630-1700	Daily	Voice of America	Swahili	15260	250	North-East Africa
1700-1800	Daily	IBRA Media	Arabic	15260	250	Arab World
1730-1800	Mon-Fri	Voice of America	Oromo	9480	250	North-East Africa
1730-1900	Daily	IBRA Media	Arabic	11965	250	Arab World
1800-1900	Daily	KBS World Radio	Russian	6040	250	Western Russia
1800-1900	Daily	Voice of America	Amharic	9485	250	North-East Africa
1800-1900	Daily	Radio Ndarason Int	Kanuri	12050	250	North-Central Africa
1830-1900	Sun	Follow the Bible Ministries	Arabic	6180	300	Arab World
1900-2000	Sat	Yoruba Nation Radio	Yoruba/English	11795	250	West Africa
1930-2000	Sat-Thu	BBC	Hausa	9545	125	West Africa
1930-2030	Fri	BBC	Hausa	9545	125	West Africa
2000-2030	Sun	Follow the Bible Ministries	Arabic	7315	250	Arab World
				7380	250	Arab World
2000-2100	Daily	KBS World Radio	German	3955	250	Europe
2000-2100	Daily	KBS World Radio	Arabic	6090	250	North Africa
2030-2100	Daily	Voice of America	Hausa	9765	250	West Africa
2100-2115	Mon-Sat	Radio Akhbar Mufriha	Arabic	7300	300	North Africa
2100-2200	Daily	KBS World Radio	French	3955	250	Europe
2115-2145	Sun	Radio Akhbar Mufriha	Arabic	7300	250	North Africa

Additional one-off broadcasts, including those in DRM mode, may be arranged at short notice

World Radio Network

WRN operates channels in English, Russian, Arabic, and Persian, which can be received from direct-to-home satellite, cable TV, internet audio streams, local affiliates as well as via the TuneIn app available on IOS and Android. WRN is part of Encompass. The English channel operates different programming schedules for Europe, North America and listeners in Africa and Asia. Some programmes from these streams are also aired on shortwave:

WRN North America stream

These programmes in English are aired over WRMI (Radio Miami International) and are part of the schedule that is marked for WRN and takes programmes from the WRN stream for North America.

Time/UTC	Days	Station	Language	kHz	Transmitter site	kW	Target area
0200-0230	Tue-Sat	Deutsche Welle	English	5800	WRMI Okeechobee FL USA	100	L America
0230-0300	Tue-Sat	NHK World Japan	English	5800	WRMI Okeechobee FL USA	100	L America
0930-1000	Mon-Sat	Radio Prague Int.	English	9455	WRMI Okeechobee FL USA	100	N America
1100-1145	Mon-Wed	Deutsche Welle	English	7730	WRMI Okeechobee FL USA	100	N America
				15770	WRMI Okeechobee FL USA	100	Europe
1600-1700	Mon/Tue	Deutsche Welle	English	15770	WRMI Okeechobee FL USA	100	Europe
2000-2030	Mon	Radio Slovakia Int.	English	15770	WRMI Okeechobee FL USA	100	Europe
2030-2100	Mon	RTÉ Ireland	English	15770	WRMI Okeechobee FL USA	100	Europe

WRN Russian

Russian programmes relayed via Dhabbaya commenced on 29 October 2023 in a slot between 1500-1700 UTC that has been registered by Encompass for a broadcast of the WRN Russian channel.

Time/UTC	Days	Station	Language	kHz	Transmitter site	kW	Target area
1500-1530	Daily	Radio Prague International	Russian	12095	Dhabbaya, UAE	250	Russia
1530-1600	Mon	Bolt	Russian	12095	Dhabbaya, UAE	250	Russia
	Tue-Thu	Kaleidoscope	Russian	12095	Dhabbaya, UAE	250	Russia
	Fri	Figure of Speech	Russian	12095	Dhabbaya, UAE	250	Russia
	Sat	Radio Panorama	Russian	12095	Dhabbaya, UAE	250	Russia
	Sun	UN Weekly Review	Russian	12095	Dhabbaya, UAE	250	Russia
1600-1620	Daily	NHK World Japan	Russian	12095	Dhabbaya, UAE	250	Russia
1620-1630	Daily	There's Time to Tell	Russian	12095	Dhabbaya, UAE	250	Russia
1630-1700	Daily	Radio Slovakia International	Russian	12095	Dhabbaya, UAE	250	Russia

Volant Media UK Ltd

Volant Media UK Ltd was founded in 2017 and 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 Radio Iran International and Radio Afghanistan International:

Radio Afghanistan International

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. It aspires to serve as an international news network to provide reliable information for audiences and protect media freedom in the country.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Target area
0100-1600	Daily	Pashto	7600	Tashkent, Uzbekistan	100	Afghanistan
1600-0100	Daily	Pashto	7600	Yerevan-Gavar, Armenia	100	Afghanistan

Radio Iran International

Iran International is a Persian television station, now headquartered in Washington DC after a move from London due to security concerns. 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 satellite TV service, seemingly in response to an Internet blackout in Iran caused by civil unrest in several towns and cities.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Target area
0330-1530	Daily	Persian	15630	Tashkent, Uzbekistan	100	Iran
1530-0330	Daily	Persian	5830	Tashkent, Uzbekistan	100	Iran



Feba Radio

Feba Radio is a British-founded broadcasting network. It is driven by Christian values rather than by government or commercial aims. It was established in 1959 in the UK as the Far Eastern Broadcasting Associates (FEBA, later known as Feba Radio), associated with Far East Broadcasting Company (FEBC) operating in the United States and the Philippines and the Far East Broadcasting Associates of India (FEBAI).

Feba Radio (to Ethiopia)

Time/UTC	Days	Language	kHz	Transmitter site	kW	Target area
1800-1830	Sat/Sun	Tigrinya	6035	Dhabbaya UAE	250	Horn of Africa

Feba Pakistan (to Pakistan)

Time/UTC	Days	Language	kHz	Transmitter site	kW	Target area
0200-0215	Mon	Punjabi/Urdu	7320	Dhabbaya, UAE	250	South Asia
0200-0215	Tue	Sindhi/Punjabi	7320	Dhabbaya, UAE	250	South Asia
0200-0230	We/Th/Sa/Su	Urdu	7320	Dhabbaya, UAE	250	South Asia
0200-0245	Fri	Pashto	7320	Dhabbaya, UAE	250	South Asia
0215-0230	Mon	Saraiki/Urdu	7320	Dhabbaya, UAE	250	South Asia
0215-0230	Tue	Patwari/Saraiki	7320	Dhabbaya, UAE	250	South Asia
0245-0300	Fri	Urdu	7320	Dhabbaya, UAE	250	South Asia

Feba India (to India/South Asia)

Time/UTC	Days	Language	kHz	Transmitter site	kW	Target area
0230-0300	Daily	Dari	5940	Dhabbaya, UAE	250	South Asia
1200-1230	Sun-Tue	Tibetan	15215	Dhabbaya, UAE	250	South Asia
1430-1500	Wed-Sun	Hindi	9540	Tashkent, Uzbekistan	100	South Asia
1430-1500	Daily	Urdu	17700	Talata V., Madagascar	250	South Asia (via TWR Asia)



Other notable programmes on shortwave

Encore - Classical Music on Radio Tumbri

Encore is a weekly classical music programme produced by Brice Avory.

Regular Broadcast times of Encore are:

Days	Time/UTC	kHz	Target area
Friday:	0200-0300	5850	WRMI to US
	2000-2100	15770	WRMI to Europe
Saturday:	1100-1200	9670	Channel 292 to Europe
Sunday:	0100-0200	5850	US & Canada
		7730	US & Canada
	1800-1900	3955	Channel 292 to Europe
Monday:	0200-0300	5950	WRMI to the US and Canada
Tuesday	1300-1400	15770	WRMI to Europe, East Coast of US and Iceland.

Grooveline

The Grooveline Series: A 60 minute monthly show showcasing the icons, labels and moments that have shaped soul, funk and house, hosted by Stephen Howie and broadcast across Europe and beyond on Channel 292 on 6070 kHz on the first Sunday of every month at 1300. More details at www.groovelineonline.com/

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

On 6th June 1963, four schoolchildren gathered in the attic of a house on the Ardrossan seafront in Ayrshire to launch their very own radio station. Cobbled together with tins, clockwork gramophones, and lots of wire, the opening day's programmes were line fed to a radio receiver two floors down. But it was a start and, against the odds, the station survived in a variety of forms and today can be heard 24/7 on the internet. The station is now based in a purpose-built headquarters on the Inner Hebridean island of Lismore, a tiny island sandwiched between Oban on the mainland and the much bigger island of Mull to the west. More details at www.radiosix.com

Vatican City State

Vatican Radio

Vatican Radio (Italian: Radio Vaticana; Latin: Statio Radiophonica Vaticana) is the official broadcasting service of Vatican City.

International broadcasting on shortwave

Shortwave transmissions from Vatican Radio have been reduced in recent years in favour of digital distribution but there are still a number of 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. Additional relays are via Germany, Madagascar, Philippines, Northern Mariana Islands and the USA

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Target area</i>
0100-0130	Daily	Portuguese	7305	Greenville NC, USA	250	South America
0130-0200	Daily	Spanish	7305	Greenville NC, USA	250	Central America
0500-0520	Daily	Russian	7360	Santa Maria di Galeria, Vatican	250	Russia
			9710	Santa Maria di Galeria, Vatican	250	Russia
0520-0540	Daily	Ukrainian	7360	Santa Maria di Galeria, Vatican	250	Eastern Europe
			9710	Santa Maria di Galeria, Vatican	250	Eastern Europe
0620-0700	Daily	Latin (Mass)	15595	Santa Maria di Galeria, Vatican	250	Middle East
0700-0710	Mon-Sat	Italian	15595	Santa Maria di Galeria, Vatican	250	Middle East
0705-0800	Sun	Ukrainian (Lit)	9710	Santa Maria di Galeria, Vatican	250	Eastern Europe
			11815	Santa Maria di Galeria, Vatican	250	Eastern Europe
0710-0730	Mon-Sat	Arabic	15595	Santa Maria di Galeria, Vatican	250	Middle East
0730-0745	Mon-Sat	French	15595	Santa Maria di Galeria, Vatican	250	Middle East
0800-1000	Special	Arabic	15595	Santa Maria di Galeria, Vatican	250	Middle East
0800-1000	Special	English	17775	Santa Maria di Galeria, Vatican	250	Central Africa
0800-1000	Special	French	17790	Santa Maria di Galeria, Vatican	250	West Africa
0800-1000	Special	Portuguese	17760	Santa Maria di Galeria, Vatican	250	Southern Africa
0810-0920	Sun	Romanian (Lit)	7250	Santa Maria di Galeria, Vatican	250	Eastern Europe
			9710	Santa Maria di Galeria, Vatican	250	Eastern Europe
0930-1030	Sun I	Amharic	15595	Santa Maria di Galeria, Vatican	250	Horn of Africa
			17790	Santa Maria di Galeria, Vatican	250	Horn of Africa
0930-1050	Sun II/IV	Russian	15595	Santa Maria di Galeria, Vatican	250	Russia
			17790	Santa Maria di Galeria, Vatican	250	Russia
0930-1050	Sun III	Armenian	15595	Santa Maria di Galeria, Vatican	250	Caucasus
			17790	Santa Maria di Galeria, Vatican	250	Caucasus
0930-1050	Sun V	Arabic	15595	Santa Maria di Galeria, Vatican	250	Middle East
			17790	Santa Maria di Galeria, Vatican	250	Middle East
1130-1200	Fri	English (Lit)	15595	Santa Maria di Galeria, Vatican	250	Middle East
			17790	Santa Maria di Galeria, Vatican	250	West Asia
1230-1250	Daily	Russian	9810	Tinang, Philippines	250	Russia
			11805	Tinang, Philippines	250	Russia
1230-1245	Daily	Spanish	7305	Greenville NC, USA	250	Caribbean
1230-1315	Sat	Chinese	7485	Tinang, Philippines	250	East Asia
			9720	Tinang, Philippines	250	East Asia
			11750	Tinang, Philippines	250	East Asia
1430-1450	Daily	Hindi	11700	Tinang, Philippines	250	South Asia
			15490	Tinang, Philippines	250	South Asia
1450-1510	Daily	Tamil	11700	Tinang, Philippines	250	South Asia
			15490	Tinang, Philippines	250	South Asia
1510-1530	Daily	Malayalam	11700	Tinang, Philippines	250	South Asia
			15490	Tinang, Philippines	250	South Asia
1530-1600	Daily	Amharic	13830	Santa Maria di Galeria, Vatican	250	Horn of Africa
			15565	Santa Maria di Galeria, Vatican	250	Horn of Africa
1600-1615	Sat	Swahili	13830	T. Volonondry, Madagascar	250	East Africa
			15565	Santa Maria di Galeria, Vatican	250	East Africa
1600-1620	Daily	Armenian	7360	Santa Maria di Galeria, Vatican	250	Caucasus
			9710	Santa Maria di Galeria, Vatican	250	Caucasus
1600-1630	Sun-Fri	Swahili	13830	T. Volonondry, Madagascar	250	East Africa
			15565	Santa Maria di Galeria, Vatican	250	East Africa
1615-1630	Sat	Somali	13830	T. Volonondry, Madagascar	250	Horn of Africa
			15565	Santa Maria di Galeria, Vatican	250	Horn of Africa
1620-1640	Daily	Russian	7360	Santa Maria di Galeria, Vatican	250	Russia
			9710	Santa Maria di Galeria, Vatican	250	Russia

1630-1700	Daily	Arabic	11935	Santa Maria di Galeria, Vatican	100	Middle East
			15595	Santa Maria di Galeria, Vatican	100	Middle East
1630-1700	Daily	English	13830	T. Volonondry, Madagascar	250	Southern Africa
			15565	Santa Maria di Galeria, Vatican	250	Central Africa
1700-1715	Daily	French	11935	Santa Maria di Galeria, Vatican	250	North Africa
1700-1720	Daily	Belarusian	9710	Santa Maria di Galeria, Vatican	250	Eastern Europe
1700-1730	Daily	French	13830	Santa Maria di Galeria, Vatican	250	Central Africa
			15565	Santa Maria di Galeria, Vatican	250	Central Africa
1715-1730	Daily	English	11935	Santa Maria di Galeria, Vatican	250	Middle East
1730-1800	Daily	Tigrinya	13830	Santa Maria di Galeria, Vatican	250	Horn of Africa
			15565	Santa Maria di Galeria, Vatican	250	Horn of Africa
1740-1800	Daily	Ukrainian	7360	Santa Maria di Galeria, Vatican	250	Eastern Europe
			9710	Santa Maria di Galeria, Vatican	250	Eastern Europe
1800-1830	Daily	Portuguese	15565	Santa Maria di Galeria, Vatican	250	Southern Africa
1940-2000	Daily	Latin (Lit)	9705	Santa Maria di Galeria, Vatican	250	West Africa
			11870	Santa Maria di Galeria, Vatican	250	Central Africa
			11935	Santa Maria di Galeria, Vatican	250	Middle East
2000-2030	Daily	English	9705	Santa Maria di Galeria, Vatican	250	West Africa
			11870	Santa Maria di Galeria, Vatican	250	Central Africa
2030-2100	Daily	French	9705	Santa Maria di Galeria, Vatican	250	West Africa
			11870	Santa Maria di Galeria, Vatican	250	Central Africa
2100-2130	Daily	Portuguese	11870	Santa Maria di Galeria, Vatican	250	West Africa
2200-2230	Daily	Chinese	7300	Tinang, Philippines	250	East Asia
			7410	Santa Maria di Galeria, Vatican	250	East Asia
			9695	Tinang, Philippines	250	East Asia
2315-0000	Daily	Vietnamese	9580	Tinang, Philippines	250	South-East Asia
			11895	Tinang, Philippines	250	South-East Asia

Santa Maria di Galeria Transmitting Station

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.

Transmitters: 4 x 100 kW & 5 x 500 kW (currently operating at 100 & 250 kW according to HFCC registrations)

Time/UTC	Days	Station	Language	kHz	kW	Target area
0030-0100	Daily	BBC	Dari	7410	250	Afghanistan
0100-0130	Daily	BBC	Pashto	7410	250	Afghanistan
0130-0200	Daily	BBC	Dari	7410	250	Afghanistan
0300-0330	Daily	Radio Tamazuj	Arabic/Sudanese	7315	250	Sudan
0330-0400	Daily	Voice of America	Somali	9510	250	Horn of Africa
0330-0430	Daily	Radio Tamazuj	Arabic/Sudanese	7315	250	Sudan
0430-0500	Daily	Radio Dabanga	Arabic/Sudanese	7315	250	Sudan
0500-0600	Daily	BBC	English	6195	250	West Africa
0530-0600	Mon-Fri	Voice of America	French	9885	250	West & Central Africa
0600-0629	Daily	BBC	French	6195	250	North Africa
0600-0700	Daily	BBC	English	15490	250	Central Africa
0629-0700	Daily	BBC	Hausa	12095	250	West Africa
0700-0729	Daily	BBC	French	21630	250	Central Africa
0700-0730	Daily	Voice of America	Hausa	12070	250	West Africa
0700-0800	Daily	BBC	English	21470	100	Central Africa
0830-0900	Wed/Sat	Voice of America	French	15715	250	West & Central Africa
1100-1130	Sat	Voice of America	French	17850	250	West & Central Africa
1300-1400	Daily	Voice of America	Somali	15710	250	Horn of Africa
1430-1500	Daily	Radio Tamazuj	Arabic/Sudanese	15550	250	Sudan
1400-1500	Sat/Sun	Voice of America	Kirundi/Kinyarw.	15460	250	Burundi/Rwanda
1400-1500	Sun-Fri	BBC	Somali	21660	250	Horn of Africa
1600-1630	Daily	Voice of America	Kirundi/Kinyarw.	13630	250	Burundi/Rwanda
1600-1700	Daily	Radio Dabanga	Arabic/Sudanese	15550	250	Sudan
1700-1730	Daily	Radio Dabanga	Arabic/Sudanese	11640	250	Sudan
1730-1750	Mon-Fri	BBC	Amharic	11830	250	Horn of Africa
1750-1810	Mon-Fri	BBC	Oromo	11830	250	Horn of Africa
1800-1830	Daily	BBC	French	6195	100	North Africa
				9750	250	Indian Ocean Islands
				13790	250	West Africa
1810-1830	Mon-Fri	BBC	Tigrinya	11830	250	Horn of Africa
1830-1850	Mon-Fri	BBC	Amharic	9705	250	Horn of Africa
1850-1910	Mon-Fri	BBC	Oromo	9705	250	Horn of Africa
1830-1930	Daily	Voice of America	French	12075	250	West & Central Africa
1900-1930	Daily	Voice of America	Tigrinya	12040	125	Horn of Africa

1910-1930	Mon-Fri	BBC	Tigrinya	9705	250	Horn of Africa
2030-2100	Sat	Voice of America	Hausa	11975	250	West Africa
2030-2100	Sun	Voice of America	French	11975	250	West Africa

Europe on Shortwave

Compiled and edited by Tony Rogers

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