

English	French	Spanish / Portugese	German	East European
weak English	STRONG English signal	South Asia / Africa	Arabic	Chinese / E Asian

05 GMT	06 GMT
Romania is last country in Europe to transmit to Europe: Galbeni 285 300k	From Romania to NW Europe TIG 300 300kW +21.47 DRM India
7.22 Romania	11.93 Romania
From France (Issoudun near Paris) 155 degrees 250kW to South Africa	From last UK transmitter station Woofferton 114 100k to NW Europe
11.735 Japan	3.955 BBC digital (DRM)
From Germany, Rohrbach Waal 10kW	Galbeni 285 300kW to NW Europe
3.955 Music Channel 292	11.73 Romania
WOF in UK 160 250k to Chad/Nigeria	From NW China KAS 308 500kW
6.195 R Ndarason Intl	15.22 China Fre
9.65 Turkey from Emirler in Turkey 310 250kW	
From Nashville, USA 85 deg 100kW	Santa Maria Di Galeria SMG 107 250k
5.935 Religious variable	15.595 Vatican
Ascension Island 27 degrees 125kW	Ascension Island 27 degrees 125kW
9.41 BBC to W Africa	9.41 BBC to W Africa
From ASC 65 125kW to Cent Africa	From ASC 65 125kW to Cent Africa
7.285 BBC to Africa	11.81 BBC to Africa

Botswana 350 100kW	Madagascar 300 250kW
6.08 VOA	15.49 BBC to E Africa
Botswana 20 100kW	Beijing 322 500kW
4.93 VOA	17.84 China Chinese
6.00 Cuba from Havana	17.65 China Chinese
SMG from Vatican 184 250kW	URU 308 500kW fades in
6.02 VOA Hausa	17.615 China German
ASC 27 250kW	KAS 308 500kW fades in
6.17 VOA Hausa	17.72 China German
	KAS 294 500kW fades in
	15.135 China Spanish
	KAS 294 500kW fades in
	15.62 China Italian

7.435 Radio Marti from USA	7.435 Radio Marti GB 184
7.355 Radio Marti from USA	7.355 R Marti Greenville 183
6.03 Radio Marti to Caribbean	6.03 R Marti GB 205 250kW
SMG 54 Russian then 0520 Ukrainian	ASC 27 125kW to W Africa
7.36 Vatican	BBC Fre 7.305
SMG 55 Russian then 0520 Ukrainian	WOF 170 250kW to NW Africa
9.71 Vatican	BBC Fre 7.285
3.965 digital France ISS	15.30 France ISS 165
7.39 France ISS 157 500kW	5.925 France ISS 195 500kW
9.79 France ISS 150 500kW	9.79 France ISS 180 500kW
11.70 France ISS 160 500kW	9.67 Music sometimes
7.73 Okeechobe, Florida	M: 15.77 Cze from Florida
6.13 Music Alphen, Netherlands	6.13 Music Netherlands
6.07 Music Rohrbach Waal 10kW	6.07 Music Rohrbach, Germany

07 GMT gets light	08 GMT
From NW China to Europe Kashi-saibagh or KAS 308 500kW	From NW China to Europe KAS 308 500kW
17.49 China	17.49 China
From NW China to Africa KAS 269 500kW	From NW China to Africa KAS 269 500kW
17.67 China	17.67 China
From Rangitaiki, NZ 35+325 100kW	For Pacific - not English M-F 08-0830
13.755 New Zealand	13.755 New Zealand
From NW China KAS 308 500kW	Rohrbach Waal ND 10kW sometimes
15.22 China Fre	9.67 Music Radio History
15.35 Turkey from Emirler in Turkey 310 500kW	
Vatican start Italian SMG 108 250k	Usually French Bechar 131 300kW
15.595 Fre Vat'n	17.60 Algeria sometimes English
Sa/M/Th: Rohrbach Waal, Germany	SMG 112 250kW Arabic sometimes
9.67 Music Radio History	Su: 17.705 Vatican Service
Tiganesti, Romania TIG 307 300kW	SMG 214 250kW French sometimes
11.62 Romania	Su: 17.555 Vatican Service

Usually from 0715 in Arabic/French	SMG 185 250kW English sometimes
17.60 Algeria Bechar 131	Su: 17.54 Vatican Service
GAL 245 300k Arabic to NW Africa	SMG 165 250kW French sometimes
15.12 Romania	Su: 17.525 Vatican Service
17.65 China KAS 308 500kW	17.65 China KAS 308 500kW
From Urumqi Hutubi, North China	GAL 110 300kW to Iran
17.615 China German	Su: 17.75 Romania
KAS 308 500kW	TIG 247 300kW to Mid East
17.72 China German	Su: 17.56 Romania
KAS 294 500kW	ISS from France to Africa 190 250kW
15.135 China Spanish	15.29 Japan in Japanese
Kujang in North Korea 325 200kW	Kujang in N Korea 325 200kW
15.245 N Korea Russian	15.245 N Korea Russian

7.435 Radio Marti 250kW	15.665 China Russ URU 308
7.355 Radio Marti 250kW	15.335 China Russ KAS 308
6.03 Radio Marti 250kW	6.03 R Marti also 7.435 & 7.335
ASC 65 250kW	
BBC Fre 15.49	Su: 6.14 Classical Music
ASC 27 250kW	Biblis 105 100kW Persian
BBC Fre 12.095	12.005 R Farda
15.30 France ISS 165	15.30 France ISS 180 500kW
17.85 France ISS 150	17.85 France ISS 160 500kW
9.87 S Korea WOF 107 250k	21.58 France ISS 150 500kW
Su: 11.815 Vatican Ukrainian	Su: 7.25 Vatican Romanian
Su: 9.71 Vatican Ukrainian	Su: 9.71 Vatican Romanian
6.13 Music R Europe NL	6.13 Music gets more faint
6.15 Music Europa 24 Datteln	6.15 Music from N Germany 15kW

Also:

God stations:

15.15 God on 77 300k
Milwaukee often strong

3.995 German on 78

5.90 God on 79

5.92 God on 80

5.935 Nashville on 81

9.33 WBCQ on 82

9.395 Miami on 83

9.40 Sofia 250kW 84

11.60 Sofia on 85

13.80 Sofia on 86

15.825 Nashville on 87

Some Sunday only:

Rohrbach Waal

3.955 Channel 292 on 88

World Music Radio

5.93 Denmark on 89

Sunlite Radio

5.955 Netherlnds on 90

Radio 208

5.97 Danish on 91

Radio Casanova

6.02 Netherlnds on 92

Channel 292 Rohrbach Waal

6.07 Music on 93

6.085 R Mi Amigo on 94

6.14 Classical on 95

6.15 Europe 24 on 96

6.16 Ger Music on 97

6.17 R Delta NL on 98

6.185 Music on 99

English	French	Spanish / Portugese	German	East European
weak English	STRONG English signal	South Asia / Africa	Arabic	Chinese / E Asian

09 GMT	10 GMT
From N China to UK URU 308 500kW	From NW China to Europe KAS 308 500kW
17.57 China	17.49 China
From NW China to Europe KAS 308 500kW	From China to Australia & N Zealand JIN 150 500kW start 0900
17.49 China	17.69 China
From NW China to Europe KAS 308 500kW	From China to Australia & N Zealand KUN 135 500kW start 0900
17.65 China	15.21 China
RAN 35+325 100kW	RAN 35+325 100kW
13.755 New Zealand	13.755 New Zealand
15.35 Turkey from Emirler in Turkey 310 500kW	
17.60 Algeria Bechar 131 300k	17.60 Algeria English Sunday
Santa Maria Di Galeria SMG 250kW	Russ/Arab/Amharic/Armenian
Su: 17.79 Vatican	Su: 17.79 Vatican
SMG 250kW	Russ/Arab/Amharic/Armenian
Su: 15.595 Vatican	Su: 15.595 Vatican

11 GMT	12 GMT	13 GMT
From NW China to Europe KAS 308 500kW	From Romania to NW Europe Galbeni 290 300kW	Emirler 310 250kW
17.49 China	15.46 Romania	13.635 Turkey
Romania in French to France GAL 285 300kW	From Romania to East Africa TIG 172 300kW	R Delta, NL sometimes - also 6.17
17.80 Romania French	21.47 Romania to Africa	Su: 12.085 Dutch Music
Romania in French to NW Africa TIG 247 300kW	From N China to Europe URU 308 500kW	From N China to Europe URU 308 500kW
17.64 Romania French	13.79 China	13.79 China
EMR 290 250kW to W Eur	KAS 308 500kW	KAS 308 500kW
17.715 Turkey French	17.49 China	11.64 China
15.35 Turkey from Emirler in Turkey 310 500kW		15.35 Turkey
17.60 Algeria English Sunday	17.60 Algeria English Sunday	17.60 Ifriky FM
English to Mid E SMG 98 250kW	KAS 308 500kW	KAS 308 500kW
Fri: 17.79 Vatican	13.57 China Fre	13.57 China Fre
English to Mid E SMG 106 250kW	Elburg ND Radio Delta NL Sometimes	KAS 308 500kW
Fri: 15.595 Vatican	Su: 12.085 Dutch Music	13.72 China Fre

SMG 185 250kW English sometimes	KAS 298 500kW
Su: 17.54 Vatican Service	17.57 China Hungarian
SMG 165 250kW French sometimes	KAS 298 500kW
Su: 17.525 Vatican Service	15.22 China Hungarian
15.26 Chi Rom KAS 294	17.65 China KAS 308
GAL 142 300kW to Syria	GAL 285 300kW to France
Su: 17.56 Romania	Su: 17.80 Romania
TIG 175 300kW to Egypt	TIG 247 300kW to NW Afr/Spain
Su: 17.75 Romania	Su: 17.64 Romania
Nauen, Germany 125W quarterly	
Su: 6.095 Radio SE-TA2	
World Music Radio	
Sa/Su: 15.70 Denmark	

KAS 298 500kW	KAS 294 500kW	From Kununurra Australia Eng 1340
17.57 China Czech	15.18 China Serb	15.32 God HCJB
KAS 298 500kW	Emirler 310 500kW	
15.225 China Czech	15.27 Turkey German	
17.65 China KAS 308	13.72 China KAS 308	13.855 China KAS 308
KAS 294 500kW	TAC 131 100kW from Uzbekistan	TAC 131 100kW from Uzbekistan
15.18 China Bulgarian	11.63 BBC to India	11.63 BBC to India
Miaoli fades after 1130	ASC 27 250kW	GAL 245 300kW
21.80 Taiwan in Chinese	BBC Fre 17.64	Romania 15.46
Kuwait 70 250k US for Afghanistan	WOF in UK 170 250kW	TIG 142 300kW
12.14 R Azadi Dari/Pashto	BBC Fre 21.50	Romania 15.17
Kuwait 70 250k on air 12 hrs a day	Madagascar 310 250kW	Mix languages BOC 293 100kW
15.64 R Azadi Dari/Pashto	BBC Fre 21.66	12.12 FEBC Philippines

15.665 China Russian	15.70 Music sometimes
15.335 China Russian	
15.29 Japan ISS 190 to Africa	15.765 R Marshal UDO 300
9.67 Music Rohrbach Waal 10k	17.88 R Marshal BIB 85 100k
Biblis 105 100kW Persian	Biblis 105 100kW Persian
12.005 R Farda	12.005 R Farda
15.30 France ISS 190 500kW	
17.85 France ISS 160 500kW	9.67 Music Germany 10kW
6.13 Music Alphen ND 10kW	6.13 Music Netherlands
21.49 from Taiwan	21.49 from Taiwan
21.80 Taiwan in Chinese	21.80 Taiwan in Chinese

16 Sa/Su/W: 15.70 Denmark	Sa/Su: 15.70 World Music R	Sa/Su: 15.70 Denmark
17 13.755 New Zealand	13.755 New Zealand	12.015 North Korea
18 15.765 R Marshal UDO 300	15.765 Pashto UDO 300	15.80 Taiwan Miaoli
19 17.88 R Marshal BIB 85 100k	17.88 Pashto BIB 85 100k	6.13 Music faint signal
Biblis 105 100kW Persian	Biblis 105 100kW Persian	Biblis 105 100kW Persian
20 12.005 R Farda	12.005 R Farda	12.005 R Farda
	17.66 France ISS 175 500kW	15.15 God Bethel, PA, USA
22 9.67 Music Germany 10k	21.58 France ISS 200 250kW	15.195 RFATibetan Tinang275
23 6.13 Music Netherlands	6.13 Music faint signal	15.71 RFATibetan Tinang 275
24 21.49 from Taiwan	12.05 RFA Tibetan Tinang 315	15.725 RFATibetan Tinang275
25 15.77 Florida variable	15.77 Florida 44 100kW	15.77 Florida Okeechobee

English	French	Spanish / Portugese	German	East European
weak English	STRONG English signal	South Asia / Africa	Arabic	Chinese / E Asian

14 GMT	15 GMT
From Turkey to Europe Emirler 305 500kW	From Romania to NW Europe TIG 307 300kW
Turkey 13.635	15.25 Romania German
Sometimes - also on 6.17 sometimes	Elburg ND Radio Delta International
Su: 12.085 Dutch Music	Su: 12.085 Dutch Music
KAS 308 500kW	EMR 252 250kW
11.88 China	17.65 Turkey Arabic
TIG 52 300kW	GAL 285 300kW to Central Europe
13.69 Romania Russian	9.57 Romania
11.815 Turkey from Emirler in Turkey 310 250kW	
17.60 Ifrikya FM from Algeria Bechar 131 300kW	
UDO 324 250kW from Thailand	SMG 235 250kW Amharic
13.655 VOA Tibetan	15.565 Vatican
UDO 304 250kW from Thailand	SMG 113 250kW Amharic
12.105 VOA Tibetan	13.83 Vatican

16 GMT	17 GMT	18 GMT
from Botswana to Africa BOT 350 100kW	From Botswana to West Africa BOT 350 100kW	UDO 316 250kW
1 VOA Africa 15.58	17.895 VOA Africa	7.475 Thailand
Botswana 350 100kW to Sudan	BOT 10 Amharic BOT 10 100kW	BOT 350 100kW from Botswana
2 15.18 VOA Africa	15.58 VOA 15.58 VOA	15.58 VOA Africa
Woofferton, UK to Sudan 135 250k	SMG 130 250kW French then English	From Romania to UK TIG 307 90kW DRM digital encoding
3 13.865 VOA Africa	Vat'n Vat'n 11.755	11.63 Romania digital
KAS 308 500kW	KAS 308 500kW	GAL 285 300kW
4 7.35 China French	7.35 China French	9.78 Romania
5 11.815 Turkey	5.98 Turkey from Emirler in Turkey 310 250kW	
6 Su: 12.085 Dutch Music	3.975 SW Radio Winsen	7.36 China Fre XIA 317
SMG Swa/Som SMG 151 250kW	KAS 294 500kW	BEI 318 500kW
7 15.565 Vatican C Af	7.255 China	7.21 China
MDC Swa/Som MDC 258 250kW	BEI 318 500kW	BEI 318 500kW
8 13.83 Vatican S Af	6.10 China	6.10 China

Tinang 315 250kW	WOF 180 250kW to West Africa
17.585 VOA Tibetan	Sa: 21.63 BBC Sport
Biblis 88 100kW to 1600	Oman 225 250kW to East Africa
11.965 R Liberty Turkish	Not Su: 12.095 BBC
KAS 308 500kW	KAS 308 500kW
11.785 China	9.705 China
KAS 308 500kW	KAS 308 500kW
9.59 China	9.59 China
WOF 102 250kW	KAS 308 500kW
15.595 VOA Kurdish	9.525 China
SMG 199 250kW Kirundi to E Africa	Bamako in Mali 85 100kW
13.63 VOA	17.63 China
SMG 89 250kW Hindi	SMG at 1450 Tamil; 1510 Malayalam
15.49 Vatican	Vatican 15.49

WOF 180 250kW to West Africa	WOF 180 250kW to West Africa	SMG in Vatican 170 250kW
9 Sa: 21.63 BBC Sport	Sa: 21.63 BBC Sport	Su: BBC 17.70
Oman 225 250kW to East Africa	Oman 225 250kW	Oman 225 250kW to East Africa
10 Not Su: BBC 12.095 BBC	12.095 BBC to E Africa	Su: BBC 12.095
ASC 27 125kW	ASC 27 125kW	ASC 27 125kW
11 17.78 Su: BBC	17.78 BBC to W Africa	Su: BBC 17.78
SMG in Vatican 170 250kW	SMG in Vatican 170 250kW	From Ascension 27 250kW
12 17.70 Su: BBC	Su: 17.70 BBC to C Africa	BBC Fre 15.49
GAL 245 300kW to NW Africa	BEI 318 500kW	MDC 300 250kW
13 11.975 Romania	7.205 China Esperanto	BBC Fre 13.79
TIG 142 300kW to Mid East	BEI 322 500kW	From Vatican SMG 146 250kW
14 13.68 Romania	7.335 China Hungarian	BBC Fre 9.75
BEI 318 500kW	URU 308 500kW	From Vatican SMG 230 100kW
15 7.265 China Russian	7.265 China Russian	BBC Fre 6.195

Sa/Su: 15.70 Denmark	Sa/Su: 15.70 Denmark
12.015 North Korea French	12.015 North Korea
6.17 Music Radio Delta	6.17 Music faint signal
6.13 Music faint signal	6.13 Music faint signal
Biblis 105 100kW Persian	Biblis 105 100kW Persian
12.005 R Farda	12.005 R Farda Persian
15.15 God Bethel, PA, USA	Sa/Su: 17.755 Spain 161
21.49 from Taiwan	Sa/Su: 17.715 Spain 230
13.745 Thaild UDO 316 250k	Sa/Su: 12.03 Spain NOB 110
	Sa/Su: 9.69 Spain NOB 290
15.77 Okeechobee, Florida	15.77 Okeechobee, Florida

16 6.04 China Russ URU 308	6.04 China Russ URU 308	7.24 China Russ +7.255
17 7.215 China Russ SZG 315	3.985 Slovakia Slovakia Kall	3.985 Slovakia Spanish Kall
XIA 317 500kW	XIA 317 500kW	From Vatican SMG 199 250kW
18 5.97 China German	5.97 China German	12.075 VOA Fre
19 13.63 VOA SMG 199 Kirundi	9.72 Romania digital TIG 292	7.435 China Ita +7.34
KAS 294 500kW to North Africa		Min Nan Chinese URU 308 500kW
20 7.255 China	12.015 North Korea French	6.01 China in Min Nan
MDC 315 250kW Kinyarwanda	URU 308 500kW	URU 308 500kW
21 M-F: 15.685 BBC E Afr	7.445 China	7.445 China in Chinese
22 15.46 VOA Swa BOT 350	11.815 Romania GAL 140	3.975 SW Radio Winsen
23 12.075 VOA Ashna Dari UDO 250	12.03 Spain NOB 110	12.03 Spain NOB 110
24 17.715 Spain NOB 230 200k	9.69 Spain NOB 290	7.305 China Ger KAS 308
25 11.755 Vat Ara SMG 130	15.77 Okeechobee, Florida	6.16 China Ger KAS 308

English	French	Spanish / Portugese	German	East European
weak English	STRONG English signal	South Asia / Africa	Arabic	Chinese / E Asian

19 GMT	20 GMT	21 GMT	22 GMT	23 GMT
UDO 316 250kW R Thailand 7.475 Thai	WOF 114 250kW from UK 3.955 S Korea German	GAL 285 300kW GAL 300 300kW 7.375 Romania	XIA 317 500kW 6.175 China Portuguese	GAL 300 300kW Romania to UK 7.22 Romania
Emirler 310 250kW 6.05 Turkey in English 6.05	From Turkey to NW Europe	GAL 307 300kW to NE USA 9.50 Romania	URU 308 500kW 7.26 China Portuguese	Romania to Japan TIG 67 300kW 9.62 Romania
BOT 350 100kW from Botswana 15.58 VOA Africa	From Germany, plays pop WIS 5kW 3.975 SW Radio Winsen	From Germany, plays pop WIS 5kW 3.975 SW Radio Winsen	From Germany, plays pop WIS 5kW 3.975 SW Radio Winsen	From Germany, plays pop WIS 5kW 3.975 SW Radio Winsen
TIG 307 90kW not heard 7.235 Romania digital	WOF 172 250kW 6.09 South Korea Arabic			EMR 310 500kW 5.96 Turkey in English
			Tinang Philippines 332 250kW to China 7.30 Vatican Chi	KAS 308 500kW 7.35 China
5.98 Turkey from Emirler in Turkey 310 250kW				
GAL 285 300kW to West Europe 9.78 Romania	GAL 285 300kW to West Europe 9.78 Romania	WOF 114 250kW 3.955 S Korea French	SMG 68 250kW in Chinese 7.41 Vatican Chi	
Hanoi 320 100k English then French 9.73 Vietnam Vietnam	KAS 308 500kW 7.415 China	KAS 308 500kW 7.415 China	Tinang, PHT 349 250kW in Chinese 9.695 Vatican Chi	
11.885 Viet Vietnam	7.285 China XIA 317	7.285 China XIA 317		

3.975 SW Radio Winsen	9.60 China KAS 308	9.60 China KAS 308	7.25 China Spanish URU 308	7.25 China Spanish
digital Italian to 1930 then Aromanian	TIG 277 300kW to Spain	SZG 315 500kW	SZG 315 500kW	
5.955 Romania Ita/Rup	9.50 Romania Spanish	6.02 China Spanish	6.02 China Spa	
SMG 182 250kW Liturgy 9.705 Vatican	SMG 182 250kW in English & French 9.705 Vat Vatican		BEI 318 500kW 6.10 China in Chinese	
SMG 210 250kW Liturgy 11.87 Vatican	SMG 210 250kW in English & French 11.87 Vat Vatican		TIG 247 to S America DRM not audible 17.57 Romania Spanish	
BEI 322 500kW 7.215 China Cantonese	SZG 315 500kW 7.335 China Chinese			
SHI 315 500kW 6.02 China Albanian	BEI 318 500kW 7.44 China Chinese			
KAS 294 500kW 7.385 China Albanian	TIG 100kW 30 for Ukranian then 270 5.96 Romania Ukr/Srb		Agat, Guam in Pacific SDA 330 100kW 15.625 Adventist rarely heard	

BEI 318 500kW 6.10 China Russian	BEI 322 500kW 6.115 China	BEI 322 500kW to Europe +NE USA 6.115 China French	BEI 322 500kW 6.115 China	
	URU 308 500kW 7.35 China Fre	URU 308 500kW 7.35 China French	URU 308 500kW China Fre 7.35	
6.16 China German XIA 317				
7.305 China German	6.155 China Russ BEI 318			
URU 308 500kW 6.09 China Romanian	URU 308 500kW China Srb 7.325	KAS 294 500kW China Ita 7.345	Through evening but faint 12.03 Spain NOB 110	
URU 308 500kW +7.325 SZG to 1930 7.415 China Czech	SHI 315 500kW 6.02 China Polish	URU 308 500kW China Ita 7.265	Through evening but faint 11.94 Spain NOB 230	
In Esperanto URU 308 500kW 7.265 China Esp	URU 308 500kW 7.305 China Polish	XIA 317 500kW China Srb 7.325	Through evening but faint 15.11 Spain NOB 302	
XIA 317 500kW 7.36 China French	Esperanto to 2030 URU 308 500kW 7.265 China Italian	KUN 300 500k URU 308 500kW 7.445 Serb China Hung	Through evening but faint 9.69 Spain NOB 290	
12.03 Spain NOB 110	12.03 Spain NOB 110			
9.69 Spain NOB 290	9.69 Spain NOB 290			
TIG 300 100kW Wave Scan Tue 7.275 Nexus-IBA	15.77 Okeechobee, Florida			
		15.77 Okeechobee, Florida	15.77 Okeechobee, Florida	15.77 Okeechobee