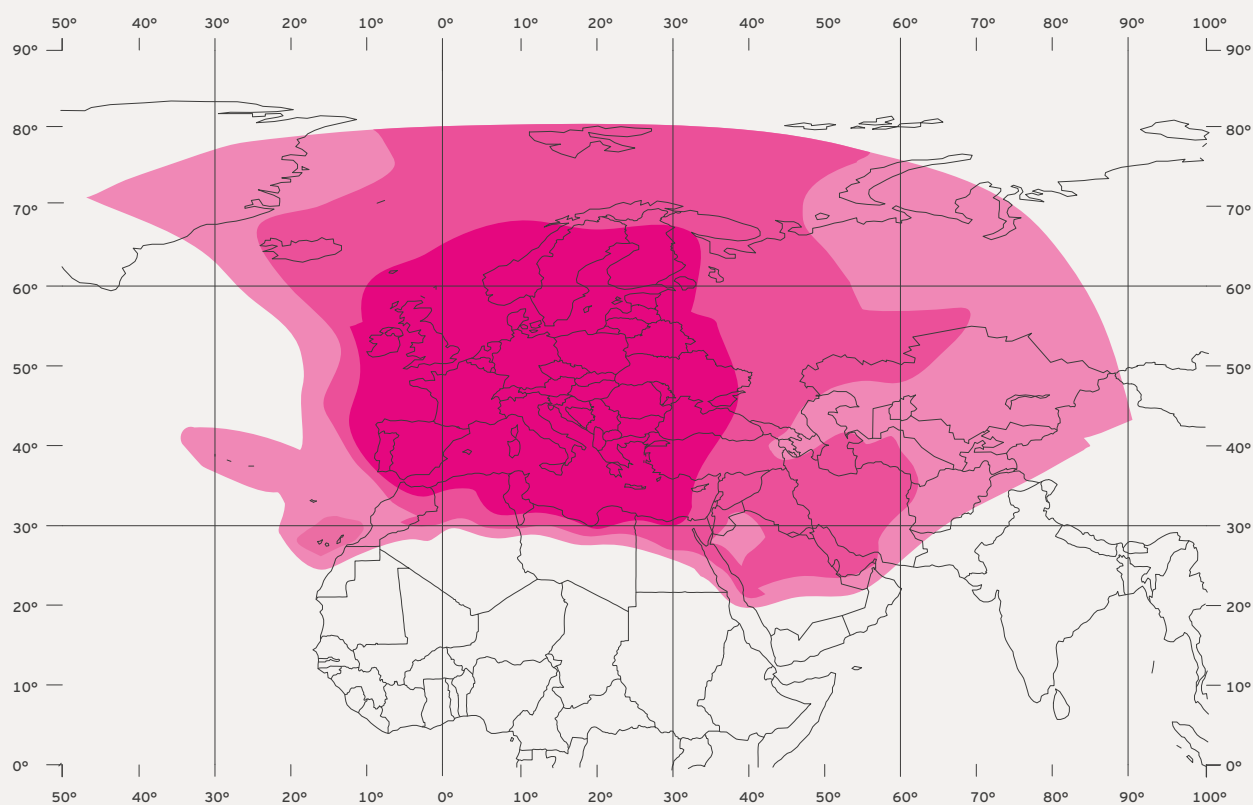


EUTELSAT HOT BIRD 13B

TV Program – DW (Europe) | Radio Program

Rebroadcasting and Direct-to-Home

Position	13° East
Transponder	155
Frequency	11,604 GHz
Polarization	horizontal
FEC	5/6
Symbolrate	27,5 Msymbols/s
Modulation	QPSK
Video Standard	PAL
Video Compression	MPEG-2/DVB
Audio Compression	MPEG-1/Layer 2
Radio Channels (Stereo)	DW05, DW08, DW09
Radio Program Feeds (Stereo)	DW-FM01, DW-Feed1
Additional Data Services	EIT / EPG



Reception may be possible even beyond these contours

1.2 m	1.8 m	2.4 m	Diameter of satellite receiving antenna in meter (approximate values) for Rebroadcasting
0.8 m	1.2 m	1.8 m	Diameter of satellite receiving antenna in meter (approximate values) for Direct-to-Home

Important technical remark:

The diameters of the antennas are calculated for perfect weather conditions (clear sky), assuming perfectly aligned high quality antennas. Commonly used wire mesh antennas have a lower efficiency than solid dishes. To secure the reception, it is advisable to generally choose a diameter about 20% larger.