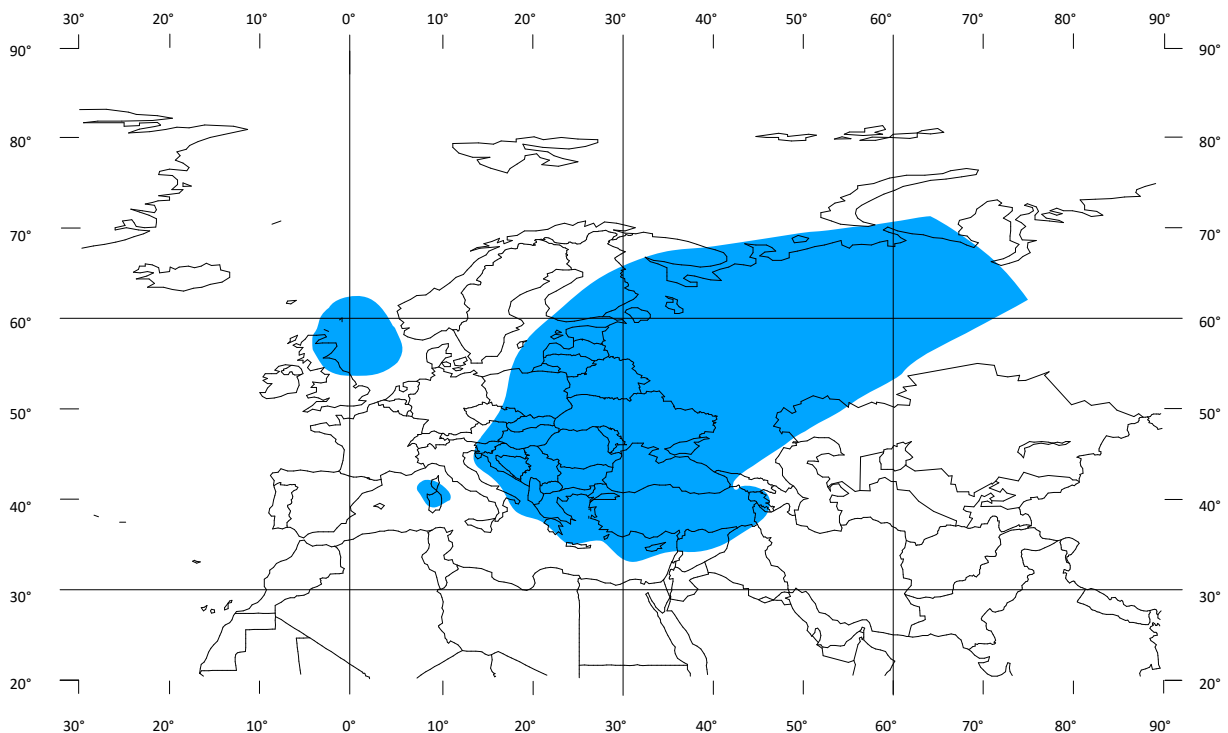


ASTRA 4A

TV Program – DW English HD

Direct-to-Home

Position	4.8° East
Transponder	4.202
Frequency	11747 MHz
Polarization	vertical
FEC	2/3
Symbolrate	30000 KSymbols/s
Modulation	8PSK /DVB-S2
Video Standard	PAL
Video Compression	HD MPEG-4
Audio Compression	MPEG-1/Layer 2
Encryption	-
Additional Data Services	EIT / EPG
TV Channel	DW English HD
Radio Channel	-



Reception may be possible even beyond these contours

0,8 m

Diameter of satellite receiving antenna in meter
(approximate values) for Direct-to-Home