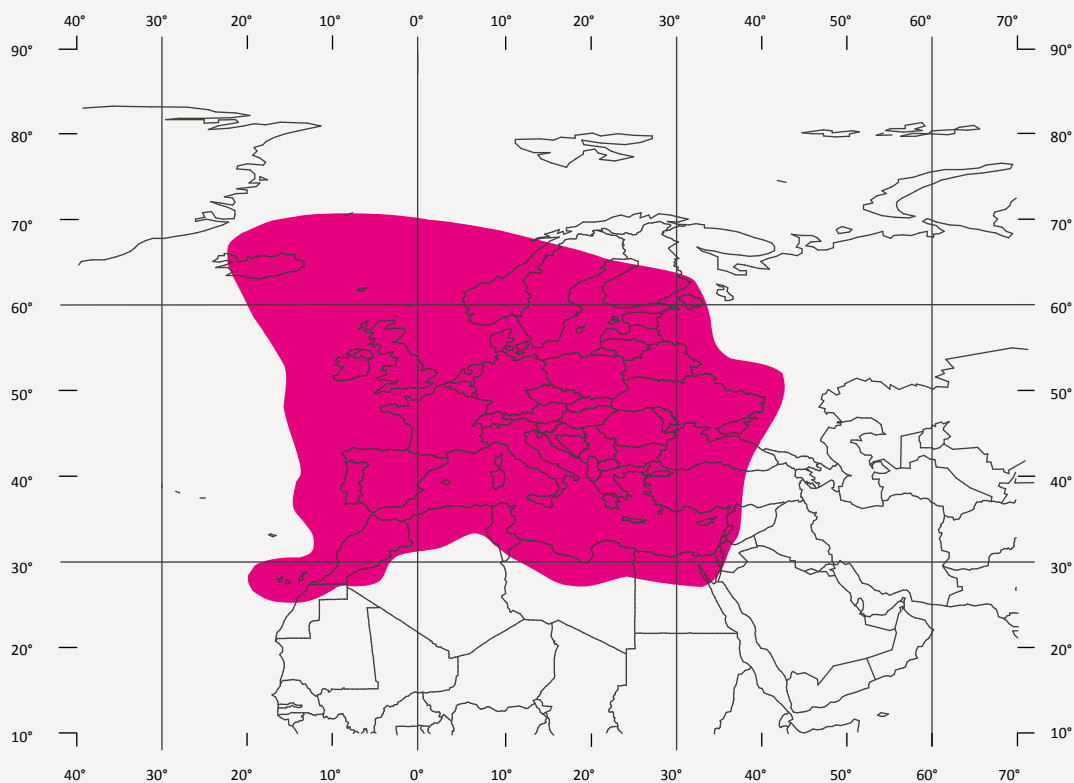


# ASTRA 1M

## TV Program – DW (English)

### Direct-to-Home

Position	19,2° East
Transponder	28
Frequency	11,627 GHz
Polarization	vertical
FEC	5/6
Symbolrate	22,000 Msymbols/s
Modulation	QPSK /DVB-S
Video Standard	PAL
Video Compression	MPEG-2
Audio Compression	MPEG-1/Layer 2
Encryption	-
Additional Data Services	-
TV Channel	DW (English)
Radio Channel	-



Reception may be possible even beyond these contours

0.6 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.