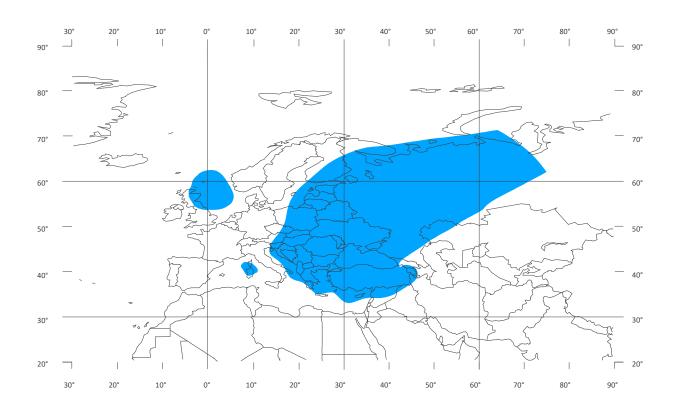


## **ASTRA 4A**

## TV Program – DW Deutsch

Direct-to-Home

Position	4,8° East
Transponder	4.235
Frequency	12,380 GHz
Polarization	horizontal
FEC	3/4
Symbolrate	27,500 Msymbols/s
Modulation	QPSK /DVB-S
Video Standard	PAL
Video Compression	MPEG-2
Audio Compression	MPEG-1/Layer 2
Encryption	•
Additional Data Services	EIT / EPG
TV Channel	DW Deutsch
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

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. All information may be subject to change. | As of March 2019 | **dw.com/programguide**