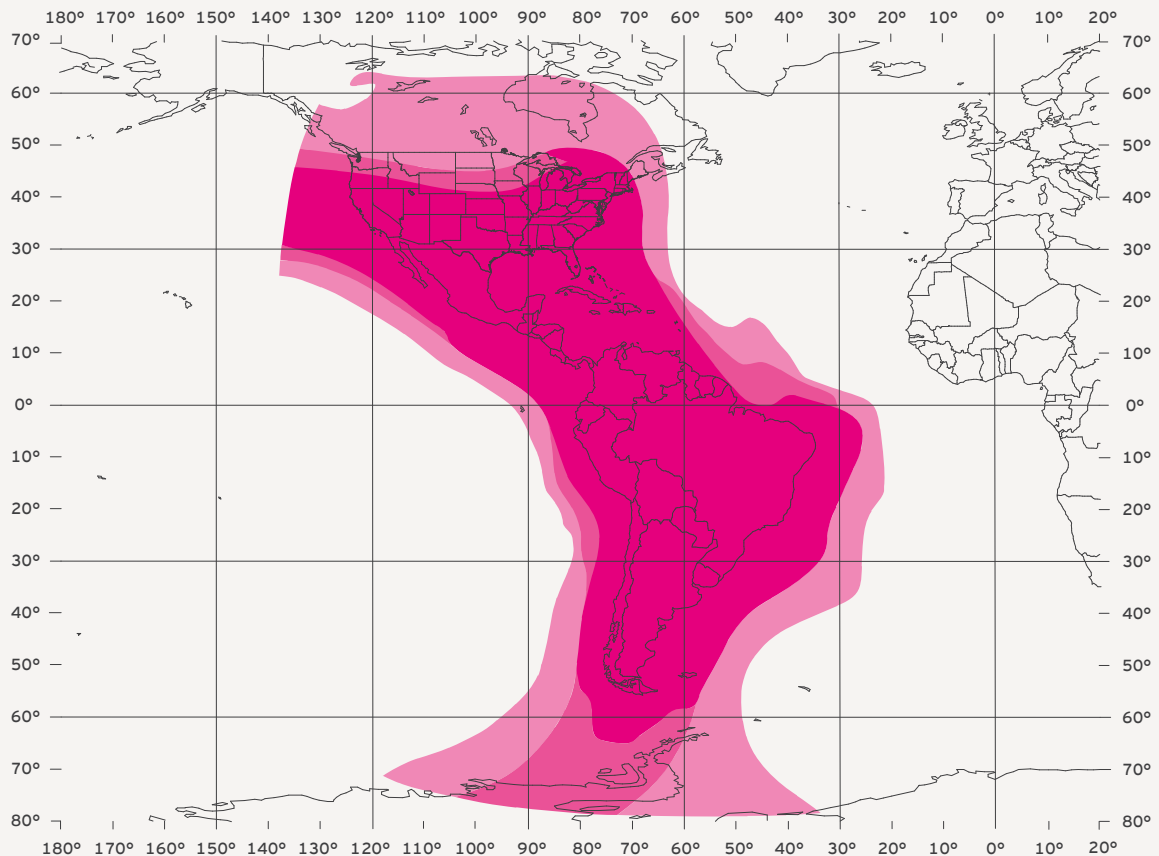


Intelsat-21 (IS-21)

TV Program – DW (Amerika), DW (Latinoamérica) | Radio Program

Rebroadcasting and Direct-to-Home

Position	58° West
Transponder	8C
Frequency	3,840 GHz
Polarization	horizontal
FEC	7/8
Symbolrate	27,690 Msymbols/s
Modulation	QPSK / DVB-S
Video Standard	NTSC
Video Compression	MPEG-2 (SA PowerVu)
Audio Compression	MPEG-1/Layer 2 + AC3 (2.0)
Encryption	-
Additional Data Services	EIT / EPG
TV Channel	DW (Amerika) – Channel 15, DW (Latinoamérica) – Channel 5
Radio Channel	DW-Feed3 – (Channel 12)



Reception may be possible even beyond these contours

2.0 m	2.4 m	3.0 m	Diameter of satellite receiving antenna in meter (approximate values)
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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.