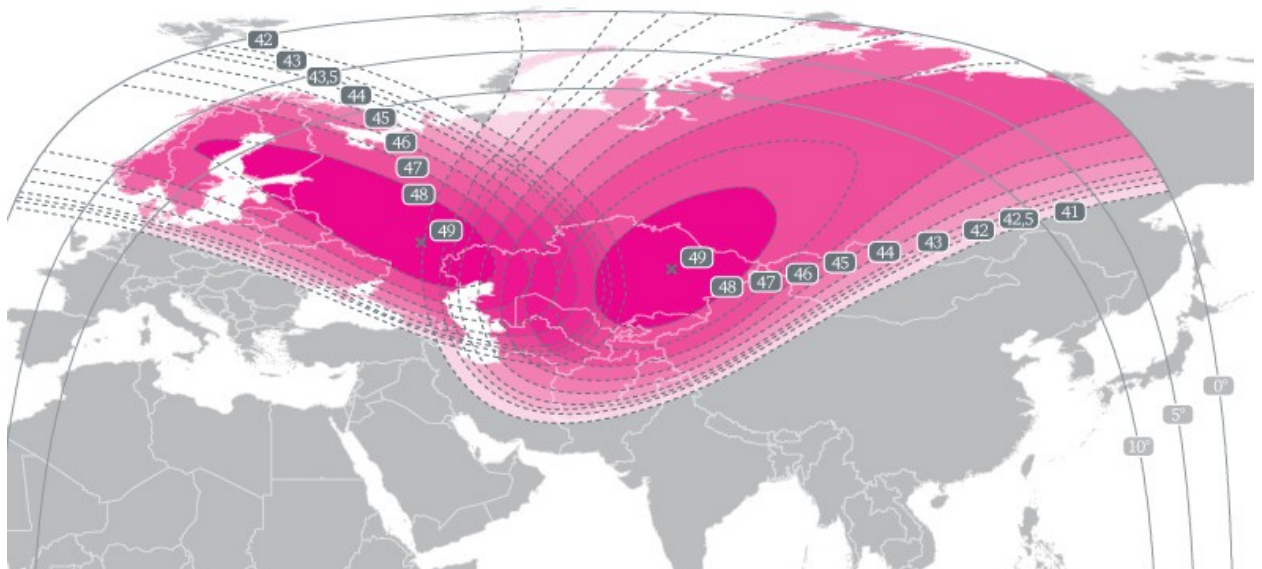


INTELSAT 702 Basic Parameters

Intelsat 702 Payload Parameters

Parameter	S1/S2	S2/S1
Satellite Location	66.00 Deg. East (stability ± 0.5 Deg)	
Uplink Beam	Spot 1	Spot 2
Downlink Beam	Spot 2	Spot 1
Transponder Number Up/Down	75/65	65/75
Transponder Central Frequency	14.3140 / 11.5140 GHz	
Transponder Bandwidth	112.0 MHz	112.0 MHz
Beam Peak EIRP	49.1 dBW	50.1 dBW
Polarization	Linear/Linear	Linear/Linear
Beam Peak G/T	+9.6 dB/K	+7.2 dB/K
SFD Beam Center	-93.8 dBW/m ²	-92.1 dBW/m ²
SFD Beam Edge	-86.1 dBW/m ²	-84.1 dBW/m ²
IBO	-5,4 dB	-5,4 dB
OBO	-3,5 dB	-3,5 dB

Intelsat 702 Coverage Areas (EIRP Contours)



Recommended Antenna Sizes / Transmitter Power for Operation via Intelsat 702

Earth Station	HUB				Remote			
Contour	0dB	-3dB	-6dB	-9dB	0dB	-3dB	-6dB	-9dB
TV distribution network (DVB-S, 1 channel, 5 Mbps)	2.4/2	2.4/4	2.4/8	3.7/8	1.2	1.2	1.2	1.8
SNG stations network (DVB-S, 1 OU channel, 5 Mbps)	2.4	2.4	2.4	3.7	1.2/8	1.2/16	1.2/40	1.2/80
SCPC channel (8PSK, Turbo, 2048 kbps)	2.4/2	2.4/4	2.4/8	3.7/8	2.4/2	2.4/4	2.4/8	3.7/8
VSAT network, star topology (2048/1024, QPSK)	2.4/4	2.4/8	2.4/16	3.7/16	1.2/1	1.2/1	1.2/2	1.2/2