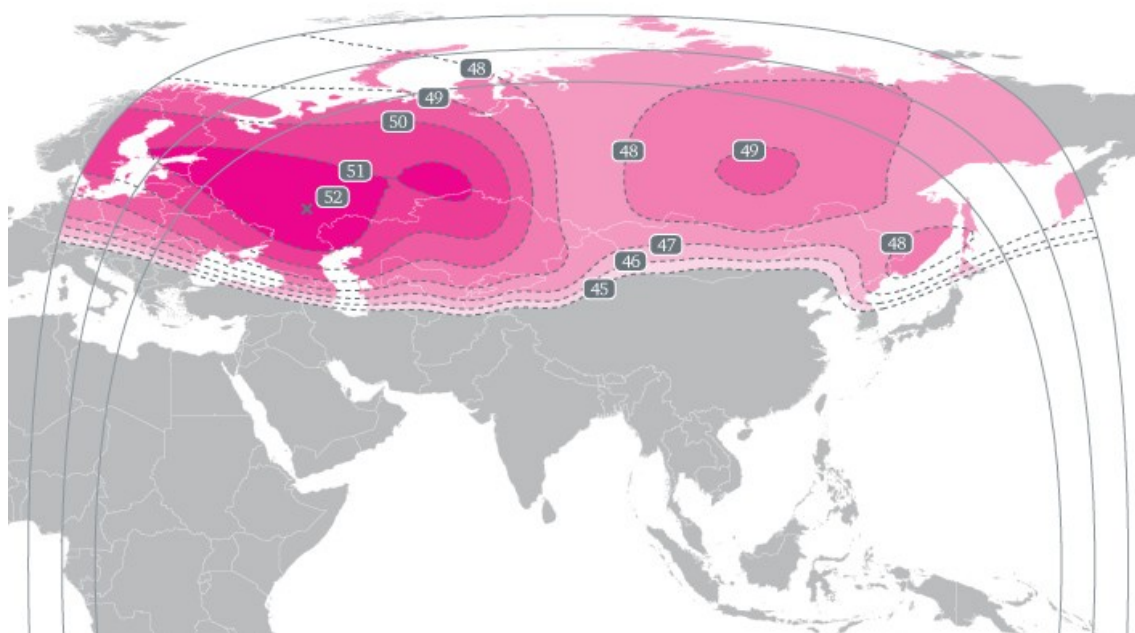


INTELSAT 15 Basic Parameters

Intelsat 15 Payload Parameters

Parameter	Value
Orbital slot	85.15° East
Lifetime	> 17 years
Type of Transponders	FSS, Ku band
Transponders (Romantis)	#7, #9
Center Frequencies (downlink/uplink)	# 7 - 14030/12520 MHz # 9 - 14070/12560 MHz
Transponder Bandwidth	36 MHz
Beam Peak EIRP	51.8 dBW
Polarizaion	linear
Beam Peak G/T	+6 dB/K
SFD	from -98 to -74 dBW/m ²
IBO	6 dB
OBO	3.8 dB

Intelsat 15 Coverage Area (EIRP Contours)



Recommended Antenna Sizes / Transmitter Power for Operation via Intelsat 15

Earth Station	HUB				Remote			
	0dB	-3dB	-6dB	-9dB	0dB	-3dB	-6dB	-9dB
TV distribution network (DVB-S, 1 channel, 5 Mbps)	2,4/16	3,7/16	3,7/40	1,2	1,8	2,4	2,4/16	3,7/16
SNG stations network (DVB-S, 1 OU channel, 5 Mbps)	2,4	3,7	3,7	1,2/40	1,2/80	1,2/200	2,4	3,7
SCPC channel (8PSK, Turbo, 2048 kbps)	2,4/4-8	2,4/8-16	3,7/8	2,4/4-8	2,4/8-16	3,7/8	2,4/4-8	2,4/8-16
VSAT network, star topology (2048/1024, QPSK)	2,4/8	2,4/16	3,7/16	1,2/3	1,8/3	2,4/4	2,4/8	2,4/16