

Telemetry Link Budget (On Station)

Link Parameters

Frequency	(MHz)	4,199.5
Transmit Power	(dBW)	-8.0
Line Losses	(dB)	3.0
Antenna Gain (-3 dB contour)	(dBi)	26.0
EIRP	(dBW)	15.0
Free Space Path Loss	(dB)	196.7
Atmospheric and Polarization Losses	(dB)	0.2
Rain Fade	(dB)	1.5
RX E/S Pointing Loss	(dB)	0.1
Rx E/S G/T	(dB/K)	26.2
G/T degradation due to Rain	(dB)	1.6
Downlink C/No	(dB)	69.7
C/No Required	(dB)	53.1
Modulation and Implementation Losses	(dB)	5.3
Margin	(dB)	16.6