

Beacon Link Budget

Link Parameters

Frequency	(MHz)	12,198.8
Transmit Power	(dBW)	-20.0
Line Losses	(dB)	3.0
Antenna Gain (-3 dB contour)	(dBi)	29.0
EIRP	(dBW)	6.0
Free Space Path Loss	(dB)	206.0
Atmospheric and Polarization Losses	(dB)	0.3
Rain Fade	(dB)	4.5
RX E/S Pointing Loss	(dB)	0.1
Rx E/S G/T	(dB/K)	29.4
G/T degradation due to Rain	(dB)	2.6
Downlink C/No	(dB)	50.5
C/No Required	(dB)	47.0
Margin	(dB)	3.5