

## RF Beacon Link Budget

Link Parameters	On-Station
Frequency (MHz)	17,799.75
Tx E/S Antenna Gain (dBi)	64.0
Power to Tx E/S Antenna (dBW)	-5.2
Tx E/S EIRP (dBW)	58.8
Polarization Loss (dB)	0.0
Free Space Path Loss (dB)	209.3
Incident Flux Density (dBW/m <sup>2</sup> )	-104.0
Antenna Gain (dBi)	48.4
Total Receive Losses (dB)	13.0
Satellite G/T (dB/K)	5.4
Received C/N (dB)	23.5
Required C/N (dB)	14.0
Spacecraft Margin (dB)	9.5