

Command Link Budget

Link Parameters		Comms Beam
Frequency	(MHz)	17,791.5
Tx E/S Antenna Gain	(dBi)	63.9
Power to Tx E/S Antenna	(dBW)	-13.8
Tx E/S EIRP	(dBW)	69.8
Incident Flux Density	(dBW/m ²)	-113.0
Aperture Factor	(dB-m ²)	-46.5
Polarization Loss	(dB)	0.0
Incident Isotropic Power	(dBW)	-159.5
Antenna Gain	(dBi)	42.5
Total Receive Losses	(dB)	18.0
Receiver Input Power	(dBW)	-135.0
Receiver Threshold	(dBW)	-145.0
Spacecraft Margin	(dB)	10.0