

C-Band Telecommand Link Budget

Link Parameters		Omni
Frequency	(MHz)	6,423.5
Tx E/S Antenna Gain	(dBi)	53.1
Power to Tx E/S Antenna	(dBW)	24.7
Tx E/S EIRP	(dBW)	77.8
Incident Flux Density	(dBW/m ²)	-85.0
Aperture Factor	(dB-m ²)	-37.6
Incident Isotropic Power	(dBW)	-122.6
Antenna Gain	(dBi)	-3.0
Total Receive Losses	(dB)	1.0
Receiver Input Power	(dBW)	-126.6
Receiver Threshold	(dBW)	-133.0
Spacecraft Margin	(dB)	6.4