

## Telecommand Link Budget (Transfer and Emergency)

Link Parameters		
Frequency	(MHz)	17,795.5
Tx E/S Antenna Gain	(dBi)	64.0
Power to Tx E/S Antenna	(dBW)	16.2
Tx E/S EIRP	(dBW)	80.2
Incident Flux Density	(dBW/m <sup>2</sup> )	-83.0
Aperture Factor	(dB-m <sup>2</sup> )	-46.5
Polarization Loss	(dB)	0.0
Incident Isotropic Power	(dBW)	-129.5
Antenna Gain (EOC)	(dBi)	-4.0
Total Receive Losses	(dB)	4.6
Receiver Input Power	(dBW)	-138.1
Receiver Threshold	(dBW)	-142.0
Spacecraft Margin	(dB)	3.9