

**24 GHz Telecommand Link Budget
(Transfer and Emergency)**

Link Parameters		
Frequency	(MHz)	24,753.0
Tx E/S Antenna Gain	(dBi)	67.3
Power to Tx E/S Antenna	(dBW)	16.0
Tx E/S EIRP	(dBW)	83.3
Incident Flux Density	(dBW/m ²)	-79.7
Aperture Factor	(dB-m ²)	-49.4
Polarization Loss	(dB)	3.0
Incident Isotropic Power	(dBW)	-132.1
Antenna Gain (EOC)	(dBi)	-1.0
Total Receive Losses	(dB)	3.9
Receiver Input Power	(dBW)	-137.0
Receiver Threshold	(dBW)	-142.0
Spacecraft Margin	(dB)	5.0