

24 GHz Telecommand Link Budget (On Station)

Link Parameters		
Frequency	(MHz)	24,753.0
Tx E/S Antenna Gain	(dBi)	67.3
Power to Tx E/S Antenna	(dBW)	-14.5
Tx E/S EIRP	(dBW)	52.8
Incident Flux Density	(dBW/m ²)	-110.0
Aperture Factor	(dB-m ²)	-49.4
Polarization Loss	(dB)	0.0
Incident Isotropic Power	(dBW)	-159.4
Antenna Gain	(dBi)	48.0
Total Receive Losses	(dB)	10.0
Receiver Input Power	(dBW)	-121.4
Receiver Threshold	(dBW)	-142.0
Spacecraft Margin	(dB)	20.6