

Command Link Budget (Transfer Orbit and Emergency)

Link Parameters

Frequency	(MHz)	6,424.5
Uplink EIRP	(dBW)	83.4
Rain Fade	(dB)	3.0
Spreading Loss	(dB/m2)	163.4
Incident Flux Density	(dBW/m2)	-83.0
Aperture Factor	(dB-m2)	-37.6
Incident Isotropic Power	(dBW)	-120.6
Antenna Gain (EOC)	(dBi)	-4.0
Total Receive Losses	(dB)	11.0
Receiver Input Power	(dBm)	-105.6
Receiver Threshold	(dBm)	-110.0
Spacecraft Margin	(dB)	4.4