

RFAT Link Budget

Link Parameters		
Frequency	(MHz)	17,308.0
Tx E/S Antenna Gain	(dBi)	63.8
Power to Tx E/S Antenna	(dBW)	-13.3
Tx E/S EIRP	(dBW)	50.5
Incident Flux Density	(dBW/m ²)	-112.0
Aperture Factor	(dB-m ²)	-46.2
Polarization Loss	(dB)	0.0
Incident Isotropic Power	(dBW)	-158.2
Antenna Gain	(dBi)	48.6
Total Receive Losses	(dB)	5.0
Receiver Input Power	(dBW)	-114.6
Receiver Threshold	(dBW)	-130.0
Spacecraft Margin	(dB)	15.4