

Table TLM. Telemetry Link Budgets

	On Station	Emergency Omni
Downlink Frequency (MHz)	17301.5	17301.5
Singal occupied bandwidth (KHz)	200.0	200.0
EIRP (dBW)	11.0	21.0
EIRP density (dBW/Hz)	-42.0	-32.0
Beam roll-off (dB)	5.0	0.0
EIRP at TT&C station (dBW)	6.0	21.0
Rx E/S Antenna Diameter (m)	9.0	11.0
Rx Antenna Efficiency	0.7	0.7
Rx Antenna Gain (dB)	62.4	64.1
Rx System Noise temp (K)	200.0	200.0
Rx E/S G/T (dB/K)	39.4	41.1
Antenna mispointing error (dB)	0.5	0.5
Downlink Rain Attenuation (dB)	0.0	0.0
Downlink Path loss (dB)	210.7	210.7
(C/N)_{Downlink Thermal} (dB)	9.76	26.50
(C/N)_{ASI} (dB)	30.0	30.0
(C/I)_{intrasystem} (dB)	30.0	30.0
C/(N+I)_{total} (dB)	9.7	23.7