

Table CMD. Tele-Command Link Budgets

	On Station - MIN	On Station- MAX	Emergency- MIN, Omni	Emergency- MAX, Omni
Uplink Frequency (MHz)	24751.50	24751.50	24751.50	24751.50
Singal occupied bandwidth (MHz)	1.00	1.00	1.00	1.00
Uplink PFD min (dBW/m²/carrier)	-105.00	-75.00	-80.00	-70.00
Input power (dBW)	-7.49	22.51	15.77	25.77
Tx Antenna Diameter (m)	9.00	9.00	11.00	11.00
Tx Antenna Efficiency	0.65	0.65	0.65	0.65
Tx Antenna Gain (dB)	65.49	65.49	67.23	67.23
Mispointing loss (dB)	0.50	0.50	0.50	0.50
Uplink Path loss (dB)	212.00	212.00	212.00	212.00
Uplink Rain Attenuation (dB)	0.00	0.00	0.00	0.00
Satellite antenna G/T at beam peak (dB/K)	8.00	8.00	-35.00	-35.00
Beam roll-off at TT&C station (dB)	5.00	5.00	0.00	0.00
Satellite antenna G/T (dB/K)	3.00	3.00	-35.00	-35.00
Boltzmanns constant	-228.60	-228.60	-228.60	-228.60
(C/N)_{Uplink Thermal} (dB)	17.10	47.10	4.10	14.10
(C/N)_{ASI} (dB)	30.00	30.00	30.00	30.00
(C/I)_{intrasystem} (dB)	30.00	30.00	30.00	30.00
C/(N+I)_{total} (dB)	16.68	26.95	4.08	13.88