

Inmarsat-4 Telemetry Link Budget

Parameter	Units	Nominal	Worst case
Slant range	km	40586	40586
Frequency	MHz	3950	3950
TM rate	bps	4800	4800
Satellite EIRP	dBW	10.7	0
Path loss	dB/m ²	-163.2	-163.2
Athmospheric losses	dB	-0.5	-0.5
Received PFD	dBW/m ²	-153	-163.7
Lambda ² /4pi	dB(m ²)	-33.4	-33.4
G/T	dB/K	34.3	34.3
Boltzmann	dBW/Hz/K	-228.6	-228.6
C/No	dBHz	76.5	65.8