

Antenna Diameter	(m)	0.74	0.74
Scenario		Clear Sky	Rain
Downlink BW	(MHz)	125	125
Emission Code		125MG7W	125MG7W
EIRP (Peak)	(dBW)	64.5	64.5
EIRP (Edge of coverage)	(dBW)	58	58
ATM Loss	(dB)	0.8	0.8
FSL	(dB)	210	210
Rain Fade	(dB)	0	3
E/S antenna diameter	(m)	0.74	0.74
E/S G	(dB)	42.1	42.1
E/S T	(°K)	225	372
E/S G/T	(dB/K)	18.6	16.4
C/N thermal dn	(dB)	13.4	8.2
C/I INTRASYSTEM dn	(dB)	19.3	19.3
C/I INTERSYSTEM dn	(dB)	13.0	13.0
C/(N+I) Total	(dB)	9.7	6.7
Worst case PFD across service area	(dBW/(m <sup>2</sup> .MHz)	-119.4	-119.4
FCC Limit (25.138(a)(6))	(dBW/(m <sup>2</sup> .MHz)	-118.0	-118.0
Compliance Margin	(dB)	1.4	1.4