

Antenna Diameter	(m)	0.74	0.74
Scenario		Clear Sky	Rain
Downlink BW	(MHz)	167	167
Emission Code		167MG7W	167MG7W
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	2.2
E/S antenna diameter	(m)	0.74	0.74
E/S G	(dB)	42.1	42.1
E/S T	(°K)	225	339
E/S G/T	(dB/K)	18.6	16.8
C/N thermal dn	(dB)	12.2	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)	9.1	6.7
Worst case PFD across service area	(dBW/(m <sup>2</sup> ·MHz)	-120.7	-120.7
FCC Limit (25.138(a)(6))	(dBW/(m <sup>2</sup> ·MHz)	-118.0	-118.0
Compliance Margin	(dB)	2.7	2.7