

Antenna Scenario	(m)	1.8	1.8
Downlink Bandwidth	(MHz)	Clear Sky 500	Rain 500
Emission Code		500MG7W	500MG7W
EIRP (Beam peak)	(dBW)	65	70.9
EIRP (Edge of coverage)	(dBW)	64.3	70.2
ATM Loss	(dB)	0.8	0.8
FSL	(dB)	210	210
Rain Fade		0	16.2
E/S antenna diameter	(m)	1.8	1.8
E/S G	(dB)	49.7	49.7
E/S T	(°K)	230	500
E/S G/T	(dB/K)	26.1	22.7
C/N thermal dn	(dB)	21.2	7.5
C/I INTRASYSTEM dn	(dB)	15.6	15.6
C/I INTERSYSTEM dn	(dB)	20.6	20.6
C/(N+I) Total	(dB)	13.6	6.7
Worst case PFD across service area	(dBW/(m ² MHz))	-124.2	-118.2
FCC Limit (25.138(a)(6))	(dBW/(m ² MHz))	-118.0	-118.0
Compliance Margin	(dB)	6.2	0.2