

1. APPENDIX

1.1. OMNI ANTENNA

Port	Mode	PSD (Max)dBm/MHz	99% BW (20MHz)	Total Channel Power (dBm/20MHz)	Total MIMO Power	Antenna Gain (dBi)	EIRP (dBm)
A	QPSK	15.87	17.81	28.4	31.3	6.01	37.3 dBm
B	QPSK	15.58	17.90	28.1			5.327 W
A	QAM	15.56	17.83	28.1	31.2	6.01	37.2 dBm
B	QAM	15.79	17.87	28.3			5.264 W
C	QPSK	16.30	17.86	28.8	31.7	6.01	37.7 dBm
D	QPSK	15.97	17.84	28.5			5.855 W
C	QAM	15.68	17.85	28.2	31.1	6.01	37.1 dBm
D	QAM	15.49	17.85	28.0			5.156 W

Total power is calculated from PSD (dBm/MHz) + 10 Log (99% BW)
Antenna Gain accounts for array gain for CDD modes.

1.2. DIRECTIONAL ANTENNA

Port	Mode	PSD (Max)dBm/MHz	99% BW (20MHz)	Total Channel Power (dBm/20MHz)	Total MIMO Power	Antenna Gain (dBi)	EIRP (dBm)
A	QPSK	13.29	17.86	25.8	28.5	10	38.5 dBm
B	QPSK	12.56	17.88	25.1			7.034 W
A	QAM	12.79	17.83	25.3	28.1	10	38.1 dBm
B	QAM	12.42	17.85	24.9			6.506 W
C	QPSK	13.26	17.84	25.8	28.7	10	38.7 dBm
D	QPSK	13.02	17.84	25.5			7.355 W
C	QAM	12.85	17.90	25.4	28.3	10	38.3 dBm
D	QAM	12.72	17.85	25.2			6.789 W

Total power is calculated from PSD (dBm/MHz) + 10 Log (99% BW)
Antenna Gain accounts for array gain for CDD modes.