



Annex A

Output Power



Output Power for 6 dBi OMNI Antenna

Bandwidth	Test Frequency	Data Rate	TP	J7 Level	J13 Level	J7 Level	J8 Level	Combined output power	Limit	Margin
MHz	MHz			dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	19	20.1	20.8	102.3	120.2	23.5	30	-6.5
10	5790	vt0	20	20.7	21.3	117.5	134.9	24.0	30	-6.0
10	5840	vt0	18	18.9	19.7	77.6	93.3	22.3	30	-7.7
20	5740	vt0	18	19.3	20	85.1	100.0	22.7	30	-7.3
20	5790	vt0	20	20.9	21.4	123.0	138.0	24.2	30	-5.8
20	5835	vt0	17	18.3	19.1	67.6	81.3	21.7	30	-8.3
30	5745	vt0	17	18.3	19.1	67.6	81.3	21.7	30	-8.3
30	5790	vt0	20	20.8	21.7	120.2	147.9	24.3	30	-5.7
30	5830	vt0	15	16.2	17.1	41.7	51.3	19.7	30	-10.3
40	5750	vf0	16	15.7	17.2	37.2	52.5	19.5	30	-10.5
40	5790	vf0	20	20.3	20.7	107.2	117.5	23.5	30	-6.5
40	5825	vf0	17	17.9	16.8	61.7	47.9	20.4	30	-9.6
50	5755	vf0	16	15.8	17.4	38.0	55.0	19.7	30	-10.3
50	5790	vf0	17	17.7	18.2	58.9	66.1	21.0	30	-9.0
50	5820	vf0	16	17.2	16.1	52.5	40.7	19.7	30	-10.3
60	5760	vf0	14	14.2	15.6	26.3	36.3	18.0	30	-12.0
60	5790	vf0	16	17	17.3	50.1	53.7	20.2	30	-9.8
60	5815	vf0	15	16	15.4	39.8	34.7	18.7	30	-11.3
80	5770	ve00	12	11	13.3	12.6	21.4	15.3	30	-14.7
80	5790	ve00	15	15.6	15.9	36.3	38.9	18.8	30	-11.2
80	5805	ve00	14	14.8	14.5	30.2	28.2	17.7	30	-12.3
80	5810	ve00	14	15.5	14.9	35.5	30.9	18.2	30	-11.8



Output Power for 22 dBi PtoP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined output power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	4.1	4.8	2.6	3.0	7.5	30	-22.5
10	5790	vt0	4.7	5.3	3.0	3.4	8.0	30	-22.0
10	5840	vt0	2.9	3.7	1.9	2.3	6.3	30	-23.7
20	5740	vt0	3.3	4	2.1	2.5	6.7	30	-23.3
20	5790	vt0	4.9	5.4	3.1	3.5	8.2	30	-21.8
20	5835	vt0	2.3	3.1	1.7	2.0	5.7	30	-24.3
30	5745	vt0	2.3	3.1	1.7	2.0	5.7	30	-24.3
30	5790	vt0	4.8	5.7	3.0	3.7	8.3	30	-21.7
30	5830	vt0	0.2	1.1	1.0	1.3	3.7	30	-26.3
40	5750	vf0	-0.3	1.2	0.9	1.3	3.5	30	-26.5
40	5790	vf0	4.3	4.7	2.7	3.0	7.5	30	-22.5
40	5825	vf0	1.9	0.8	1.5	1.2	4.4	30	-25.6
50	5755	vf0	-0.2	1.4	1.0	1.4	3.7	30	-26.3
50	5790	vf0	1.7	2.2	1.5	1.7	5.0	30	-25.0
50	5820	vf0	1.2	0.1	1.3	1.0	3.7	30	-26.3
60	5760	vf0	-1.8	-0.4	0.7	0.9	2.0	30	-28.0
60	5790	vf0	1	1.3	1.3	1.3	4.2	30	-25.8
60	5815	vf0	0	-0.6	1.0	0.9	2.7	30	-27.3
80	5770	ve00	-5	-2.7	0.3	0.5	-0.7	30	-30.7
80	5790	ve00	-0.4	-0.1	0.9	1.0	2.8	30	-27.2
80	5805	ve00	-1.2	-1.5	0.8	0.7	1.7	30	-28.3
80	5810	ve00	-0.5	-1.1	0.9	0.8	2.2	30	-27.8



Output Power for 25 dBi PtoP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined output power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	1.1	1.8	1.3	1.5	4.5	30	-25.5
10	5790	vt0	1.7	2.3	1.5	1.7	5.0	30	-25.0
10	5840	vt0	-0.1	0.7	1.0	1.2	3.3	30	-26.7
20	5740	vt0	0.3	1	1.1	1.3	3.7	30	-26.3
20	5790	vt0	1.9	2.4	1.5	1.7	5.2	30	-24.8
20	5835	vt0	-0.7	0.1	0.9	1.0	2.7	30	-27.3
30	5745	vt0	-0.7	0.1	0.9	1.0	2.7	30	-27.3
30	5790	vt0	1.8	2.7	1.5	1.9	5.3	30	-24.7
30	5830	vt0	-2.8	-1.9	0.5	0.6	0.7	30	-29.3
40	5750	vf0	-3.3	-1.8	0.5	0.7	0.5	30	-29.5
40	5790	vf0	1.3	1.7	1.3	1.5	4.5	30	-25.5
40	5825	vf0	-1.1	-2.2	0.8	0.6	1.4	30	-28.6
50	5755	vf0	-3.2	-1.6	0.5	0.7	0.7	30	-29.3
50	5790	vf0	-1.3	-0.8	0.7	0.8	2.0	30	-28.0
50	5820	vf0	-1.8	-2.9	0.7	0.5	0.7	30	-29.3
60	5760	vf0	-4.8	-3.4	0.3	0.5	-1.0	30	-31.0
60	5790	vf0	-2	-1.7	0.6	0.7	1.2	30	-28.8
60	5815	vf0	-3	-3.6	0.5	0.4	-0.3	30	-30.3
80	5770	ve00	-8	-5.7	0.2	0.3	-3.7	30	-33.7
80	5790	ve00	-3.4	-3.1	0.5	0.5	-0.2	30	-30.2
80	5805	ve00	-4.2	-4.5	0.4	0.4	-1.3	30	-31.3
80	5810	ve00	-3.5	-4.1	0.4	0.4	-0.8	30	-30.8



Output Power for 28 dBi PtoP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined output power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	-1.9	-1.2	0.6	0.8	1.5	30	-28.5
10	5790	vt0	-1.3	-0.7	0.7	0.9	2.0	30	-28.0
10	5840	vt0	-3.1	-2.3	0.5	0.6	0.3	30	-29.7
20	5740	vt0	-2.7	-2	0.5	0.6	0.7	30	-29.3
20	5790	vt0	-1.1	-0.6	0.8	0.9	2.2	30	-27.8
20	5835	vt0	-3.7	-2.9	0.4	0.5	-0.3	30	-30.3
30	5745	vt0	-3.7	-2.9	0.4	0.5	-0.3	30	-30.3
30	5790	vt0	-1.2	-0.3	0.8	0.9	2.3	30	-27.7
30	5830	vt0	-5.8	-4.9	0.3	0.3	-2.3	30	-32.3
40	5750	vf0	-6.3	-4.8	0.2	0.3	-2.5	30	-32.5
40	5790	vf0	-1.7	-1.3	0.7	0.7	1.5	30	-28.5
40	5825	vf0	-4.1	-5.2	0.4	0.3	-1.6	30	-31.6
50	5755	vf0	-6.2	-4.6	0.2	0.3	-2.3	30	-32.3
50	5790	vf0	-4.3	-3.8	0.4	0.4	-1.0	30	-31.0
50	5820	vf0	-4.8	-5.9	0.3	0.3	-2.3	30	-32.3
60	5760	vf0	-7.8	-6.4	0.2	0.2	-4.0	30	-34.0
60	5790	vf0	-5	-4.7	0.3	0.3	-1.8	30	-31.8
60	5815	vf0	-6	-6.6	0.3	0.2	-3.3	30	-33.3
80	5770	ve00	-11	-8.7	0.1	0.1	-6.7	30	-36.7
80	5790	ve00	-6.4	-6.1	0.2	0.2	-3.2	30	-33.2
80	5805	ve00	-7.2	-7.5	0.2	0.2	-4.3	30	-34.3
80	5810	ve00	-6.5	-7.1	0.2	0.2	-3.8	30	-33.8



Output Power for 30 dBi PtoMP Antenna									
Bandwidth	Test Frequency	Data Rate	J7 Level	J13 Level	J7 Level	J8 Level	Combined output power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	-3.9	-3.2	0.4	0.5	-0.5	30	-30.5
10	5790	vt0	-3.3	-2.7	0.5	0.5	0.0	30	-30.0
10	5840	vt0	-5.1	-4.3	0.3	0.4	-1.7	30	-31.7
20	5740	vt0	-4.7	-4	0.3	0.4	-1.3	30	-31.3
20	5790	vt0	-3.1	-2.6	0.5	0.5	0.2	30	-29.8
20	5835	vt0	-5.7	-4.9	0.3	0.3	-2.3	30	-32.3
30	5745	vt0	-5.7	-4.9	0.3	0.3	-2.3	30	-32.3
30	5790	vt0	-3.2	-2.3	0.5	0.6	0.3	30	-29.7
30	5830	vt0	-7.8	-6.9	0.2	0.2	-4.3	30	-34.3
40	5750	vf0	-8.3	-6.8	0.1	0.2	-4.5	30	-34.5
40	5790	vf0	-3.7	-3.3	0.4	0.5	-0.5	30	-30.5
40	5825	vf0	-6.1	-7.2	0.2	0.2	-3.6	30	-33.6
50	5755	vf0	-8.2	-6.6	0.2	0.2	-4.3	30	-34.3
50	5790	vf0	-6.3	-5.8	0.2	0.3	-3.0	30	-33.0
50	5820	vf0	-6.8	-7.9	0.2	0.2	-4.3	30	-34.3
60	5760	vf0	-9.8	-8.4	0.1	0.1	-6.0	30	-36.0
60	5790	vf0	-7	-6.7	0.2	0.2	-3.8	30	-33.8
60	5815	vf0	-8	-8.6	0.2	0.1	-5.3	30	-35.3
80	5770	ve00	-13	-10.7	0.1	0.1	-8.7	30	-38.7
80	5790	ve00	-8.4	-8.1	0.1	0.2	-5.2	30	-35.2
80	5805	ve00	-9.2	-9.5	0.1	0.1	-6.3	30	-36.3
80	5810	ve00	-8.5	-9.1	0.1	0.1	-5.8	30	-35.8