



Annex A

Output Power



13dBi PtoMP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	9.7	8.3	9.3	6.8	12.1	17	-4.9
10	5800	vt0	9.5	9.4	8.9	8.7	12.5	17	-4.5
10	5840	vt0	8.3	9.4	6.8	8.7	11.9	17	-5.1
20	5740	vt0	5.9	4.7	3.9	3.0	8.4	17	-8.6
20	5800	vt0	12.2	12.3	16.6	17.0	15.3	17	-1.7
20	5835	vt0	11.3	12.5	13.5	17.8	15.0	17	-2.0
30	5745	vt0	1.9	0.4	1.5	1.1	4.2	17	-12.8
30	5800	vt0	13.6	13.7	22.9	23.4	16.7	17	-0.3
30	5830	vt0	12.4	13.6	17.4	22.9	16.1	17	-0.9
40	5750	vf0	1.5	0.0	1.4	1.0	3.8	17	-13.2
40	5800	vf0	14.0	13.6	25.1	22.9	16.8	17	-0.2
40	5825	vf0	13.7	14.1	23.4	25.7	16.9	17	-0.1



16dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	6.7	5.3	4.7	3.4	9.1	14	-4.9
10	5800	vt0	6.5	6.4	4.5	4.4	9.5	14	-4.5
10	5840	vt0	5.3	6.4	3.4	4.4	8.9	14	-5.1
20	5740	vt0	2.9	1.7	1.9	1.5	5.4	14	-8.6
20	5800	vt0	9.2	9.3	8.3	8.5	12.3	14	-1.7
20	5835	vt0	8.3	9.5	6.8	8.9	12.0	14	-2.0
30	5745	vt0	-1.1	-2.6	0.8	0.5	1.2	14	-12.8
30	5800	vt0	10.6	10.7	11.5	11.7	13.7	14	-0.3
30	5830	vt0	9.4	10.6	8.7	11.5	13.1	14	-0.9
40	5750	vf0	-1.5	-3.0	0.7	0.5	0.8	14	-13.2
40	5800	vf0	11.0	10.6	12.6	11.5	13.8	14	-0.2
40	5825	vf0	10.7	11.1	11.7	12.9	13.9	14	-0.1



17 dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	5.7	4.3	3.7	2.7	8.1	13	-4.9
10	5800	vt0	5.5	5.4	3.5	3.5	8.5	13	-4.5
10	5840	vt0	4.3	5.4	2.7	3.5	7.9	13	-5.1
20	5740	vt0	1.9	0.7	1.5	1.2	4.4	13	-8.6
20	5800	vt0	8.2	8.3	6.6	6.8	11.3	13	-1.7
20	5835	vt0	7.3	8.5	5.4	7.1	11.0	13	-2.0
30	5745	vt0	-2.1	-3.6	0.6	0.4	0.2	13	-12.8
30	5800	vt0	9.6	9.7	9.1	9.3	12.7	13	-0.3
30	5830	vt0	8.4	9.6	6.9	9.1	12.1	13	-0.9
40	5750	vf0	-2.5	-4.0	0.6	0.4	-0.2	13	-13.2
40	5800	vf0	10.0	9.6	10.0	9.1	12.8	13	-0.2
40	5825	vf0	9.7	10.1	9.3	10.2	12.9	13	-0.1



19 dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	3.7	2.3	2.3	1.7	6.1	11	-4.9
10	5800	vt0	3.5	3.4	2.2	2.2	6.5	11	-4.5
10	5840	vt0	2.3	3.4	1.7	2.2	5.9	11	-5.1
20	5740	vt0	-0.1	-1.3	1.0	0.7	2.4	11	-8.6
20	5800	vt0	6.2	6.3	4.2	4.3	9.3	11	-1.7
20	5835	vt0	5.3	6.5	3.4	4.5	9.0	11	-2.0
30	5745	vt0	-4.1	-5.6	0.4	0.3	-1.8	11	-12.8
30	5800	vt0	7.6	7.7	5.8	5.9	10.7	11	-0.3
30	5830	vt0	6.4	7.6	4.4	5.8	10.1	11	-0.9
40	5750	vf0	-4.5	-6.0	0.4	0.3	-2.2	11	-13.2
40	5800	vf0	8.0	7.6	6.3	5.8	10.8	11	-0.2
40	5825	vf0	7.7	8.1	5.9	6.5	10.9	11	-0.1



20dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	2.7	1.3	1.9	1.3	5.1	10	-4.9
10	5800	vt0	2.5	2.4	1.8	1.7	5.5	10	-4.5
10	5840	vt0	1.3	2.4	1.3	1.7	4.9	10	-5.1
20	5740	vt0	-1.1	-2.3	0.8	0.6	1.4	10	-8.6
20	5800	vt0	5.2	5.3	3.3	3.4	8.3	10	-1.7
20	5835	vt0	4.3	5.5	2.7	3.5	8.0	10	-2.0
30	5745	vt0	-5.1	-6.6	0.3	0.2	-2.8	10	-12.8
30	5800	vt0	6.6	6.7	4.6	4.7	9.7	10	-0.3
30	5830	vt0	5.4	6.6	3.5	4.6	9.1	10	-0.9
40	5750	vf0	-5.5	-7.0	0.3	0.2	-3.2	10	-13.2
40	5800	vf0	7.0	6.6	5.0	4.6	9.8	10	-0.2
40	5825	vf0	6.7	7.1	4.7	5.1	9.9	10	-0.1



21 dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	1.7	0.3	1.5	1.1	4.1	9	-4.9
10	5800	vt0	1.5	1.4	1.4	1.4	4.5	9	-4.5
10	5840	vt0	0.3	1.4	1.1	1.4	3.9	9	-5.1
20	5740	vt0	-2.1	-3.3	0.6	0.5	0.4	9	-8.6
20	5800	vt0	4.2	4.3	2.6	2.7	7.3	9	-1.7
20	5835	vt0	3.3	4.5	2.1	2.8	7.0	9	-2.0
30	5745	vt0	-6.1	-7.6	0.2	0.2	-3.8	9	-12.8
30	5800	vt0	5.6	5.7	3.6	3.7	8.7	9	-0.3
30	5830	vt0	4.4	5.6	2.8	3.6	8.1	9	-0.9
40	5750	vf0	-6.5	-8.0	0.2	0.2	-4.2	9	-13.2
40	5800	vf0	6.0	5.6	4.0	3.6	8.8	9	-0.2
40	5825	vf0	5.7	6.1	3.7	4.1	8.9	9	-0.1



22 dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	0.7	-0.7	1.2	0.9	3.1	8	-4.9
10	5800	vt0	0.5	0.4	1.1	1.1	3.5	8	-4.5
10	5840	vt0	-0.7	0.4	0.9	1.1	2.9	8	-5.1
20	5740	vt0	-3.1	-4.3	0.5	0.4	-0.6	8	-8.6
20	5800	vt0	3.2	3.3	2.1	2.1	6.3	8	-1.7
20	5835	vt0	2.3	3.5	1.7	2.2	6.0	8	-2.0
30	5745	vt0	-7.1	-8.6	0.2	0.1	-4.8	8	-12.8
30	5800	vt0	4.6	4.7	2.9	3.0	7.7	8	-0.3
30	5830	vt0	3.4	4.6	2.2	2.9	7.1	8	-0.9
40	5750	vf0	-7.5	-9.0	0.2	0.1	-5.2	8	-13.2
40	5800	vf0	5.0	4.6	3.2	2.9	7.8	8	-0.2
40	5825	vf0	4.7	5.1	3.0	3.2	7.9	8	-0.1



30 dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	-7.3	-8.7	0.2	0.1	-4.9	0	-4.9
10	5800	vt0	-7.5	-7.6	0.2	0.2	-4.5	0	-4.5
10	5840	vt0	-8.7	-7.6	0.1	0.2	-5.1	0	-5.1
20	5740	vt0	-11.1	-12.3	0.1	0.1	-8.6	0	-8.6
20	5800	vt0	-4.8	-4.7	0.3	0.3	-1.7	0	-1.7
20	5835	vt0	-5.7	-4.5	0.3	0.4	-2.0	0	-2.0
30	5745	vt0	-15.1	-16.6	0.0	0.0	-12.8	0	-12.8
30	5800	vt0	-3.4	-3.3	0.5	0.5	-0.3	0	-0.3
30	5830	vt0	-4.6	-3.4	0.3	0.5	-0.9	0	-0.9
40	5750	vf0	-15.5	-17.0	0.0	0.0	-13.2	0	-13.2
40	5800	vf0	-3.0	-3.4	0.5	0.5	-0.2	0	-0.2
40	5825	vf0	-3.3	-2.9	0.5	0.5	-0.1	0	-0.1



31 dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	-8.3	-9.7	0.1	0.1	-5.9	-1	-4.9
10	5800	vt0	-8.5	-8.6	0.1	0.1	-5.5	-1	-4.5
10	5840	vt0	-9.7	-8.6	0.1	0.1	-6.1	-1	-5.1
20	5740	vt0	-12.1	-13.3	0.1	0.0	-9.6	-1	-8.6
20	5800	vt0	-5.8	-5.7	0.3	0.3	-2.7	-1	-1.7
20	5835	vt0	-6.7	-5.5	0.2	0.3	-3.0	-1	-2.0
30	5745	vt0	-16.1	-17.6	0.0	0.0	-13.8	-1	-12.8
30	5800	vt0	-4.4	-4.3	0.4	0.4	-1.3	-1	-0.3
30	5830	vt0	-5.6	-4.4	0.3	0.4	-1.9	-1	-0.9
40	5750	vf0	-16.5	-18.0	0.0	0.0	-14.2	-1	-13.2
40	5800	vf0	-4.0	-4.4	0.4	0.4	-1.2	-1	-0.2
40	5825	vf0	-4.3	-3.9	0.4	0.4	-1.1	-1	-0.1



34 dBi PtoP

Bandwidth	Frequency	Data Rate	J7 Level	J8 Level	J7 Level	J8 Level	Total Summed Power	Limit	Margin
MHz	MHz		dBm	dBm	mW	mW	dBm	dBm	dB
10	5735	vt0	-11.3	-12.7	0.1	0.1	-8.9	-4	-4.9
10	5800	vt0	-11.5	-11.6	0.1	0.1	-8.5	-4	-4.5
10	5840	vt0	-12.7	-11.6	0.1	0.1	-9.1	-4	-5.1
20	5740	vt0	-15.1	-16.3	0.0	0.0	-12.6	-4	-8.6
20	5800	vt0	-8.8	-8.7	0.1	0.1	-5.7	-4	-1.7
20	5835	vt0	-9.7	-8.5	0.1	0.1	-6.0	-4	-2.0
30	5745	vt0	-19.1	-20.6	0.0	0.0	-16.8	-4	-12.8
30	5800	vt0	-7.4	-7.3	0.2	0.2	-4.3	-4	-0.3
30	5830	vt0	-8.6	-7.4	0.1	0.2	-4.9	-4	-0.9
40	5750	vf0	-19.5	-21.0	0.0	0.0	-17.2	-4	-13.2
40	5800	vf0	-7.0	-7.4	0.2	0.2	-4.2	-4	-0.2
40	5825	vf0	-7.3	-6.9	0.2	0.2	-4.1	-4	-0.1