

Annex A

Output Power

UNII-2C

UNI-2C

13dBi AMO-5G13

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	5480	vt0	9.5	9.2	8.9	8.3	12.4	17	-4.6
10	5600	vt0	9.3	9.5	8.5	8.9	12.4	17	-4.6
10	5715	vt0	-2.8	-1.5	0.5	0.7	0.9	17	-16.1
20	5485	vt0	11.1	11.7	12.9	14.8	14.4	17	-2.6
20	5600	vt0	11.1	11.8	12.9	15.1	14.5	17	-2.5
20	5710	vt0	-6.4	-8.4	0.2	0.1	-4.3	17	-21.3
30	5490	vt0	12.2	12.8	16.6	19.1	15.5	17	-1.5
30	5600	vt0	12.8	14.0	19.1	25.1	16.5	17	-0.5
30	5705	vt0	-10.0	-12.1	0.1	0.1	-7.9	17	-24.9
40	5495	vf0	11.8	12.0	15.1	15.8	14.9	17	-2.1
40	5600	vf0	10.7	11.0	11.7	12.6	13.9	17	-3.1
40	5700	vf0	-10.6	-12.1	0.1	0.1	-8.3	17	-25.3
50	5500	vf0	11.8	11.7	15.1	14.8	14.8	17	-2.2
50	5600	vf0	6.6	7.3	4.6	5.4	10.0	17	-7.0
50	5695	vf0	-9.6	-11.1	0.1	0.1	-7.3	17	-24.3
60	5505	vf0	12.1	12.9	16.2	19.5	15.5	17	-1.5
60	5600	vf0	2.8	3.4	1.9	2.2	6.1	17	-10.9
60	5690	vf0	-10.4	-11.9	0.1	0.1	-8.1	17	-25.1
80	5515	ve00	-0.7	-0.1	0.9	1.0	2.6	17	-14.4
80	5600	ve00	-6.5	-8.2	0.2	0.2	-4.3	17	-21.3
80	5680	ve00	-9.5	-11.4	0.1	0.1	-7.3	17	-24.3

16dBi AM-5G-16-120

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	5480	vt0	6.5	6.2	4.5	4.2	9.4	14	-4.6
10	5600	vt0	6.3	6.5	4.3	4.5	9.4	14	-4.6
10	5715	vt0	-5.8	-4.5	0.3	0.4	-2.1	14	-16.1
20	5485	vt0	8.1	8.7	6.5	7.4	11.4	14	-2.6
20	5600	vt0	8.1	8.8	6.5	7.6	11.5	14	-2.5
20	5710	vt0	-9.4	-11.4	0.1	0.1	-7.3	14	-21.3
30	5490	vt0	9.2	9.8	8.3	9.5	12.5	14	-1.5
30	5600	vt0	9.8	11.0	9.5	12.6	13.5	14	-0.5
30	5705	vt0	-13.0	-15.1	0.1	0.0	-10.9	14	-24.9
40	5495	vf0	8.8	9.0	7.6	7.9	11.9	14	-2.1
40	5600	vf0	7.7	8.0	5.9	6.3	10.9	14	-3.1
40	5700	vf0	-13.6	-15.1	0.0	0.0	-11.3	14	-25.3
50	5500	vf0	8.8	8.7	7.6	7.4	11.8	14	-2.2
50	5600	vf0	3.6	4.3	2.3	2.7	7.0	14	-7.0
50	5695	vf0	-12.6	-14.1	0.1	0.0	-10.3	14	-24.3
60	5505	vf0	9.1	9.9	8.1	9.8	12.5	14	-1.5
60	5600	vf0	-0.2	0.4	1.0	1.1	3.1	14	-10.9
60	5690	vf0	-13.4	-14.9	0.0	0.0	-11.1	14	-25.1
80	5515	ve00	-3.7	-3.1	0.4	0.5	-0.4	14	-14.4
80	5600	ve00	-9.5	-11.2	0.1	0.1	-7.3	14	-21.3
80	5680	ve00	-12.5	-14.4	0.1	0.0	-10.3	14	-24.3

17dBi AM-5G17-90

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	5480	vt0	5.5	5.2	3.5	3.3	8.4	13	-4.6
10	5600	vt0	5.3	5.5	3.4	3.5	8.4	13	-4.6
10	5715	vt0	-6.8	-5.5	0.2	0.3	-3.1	13	-16.1
20	5485	vt0	7.1	7.7	5.1	5.9	10.4	13	-2.6
20	5600	vt0	7.1	7.8	5.1	6.0	10.5	13	-2.5
20	5710	vt0	-10.4	-12.4	0.1	0.1	-8.3	13	-21.3
30	5490	vt0	8.2	8.8	6.6	7.6	11.5	13	-1.5
30	5600	vt0	8.8	10.0	7.6	10.0	12.5	13	-0.5
30	5705	vt0	-14.0	-16.1	0.0	0.0	-11.9	13	-24.9
40	5495	vf0	7.8	8.0	6.0	6.3	10.9	13	-2.1
40	5600	vf0	6.7	7.0	4.7	5.0	9.9	13	-3.1
40	5700	vf0	-14.6	-16.1	0.0	0.0	-12.3	13	-25.3
50	5500	vf0	7.8	7.7	6.0	5.9	10.8	13	-2.2
50	5600	vf0	2.6	3.3	1.8	2.1	6.0	13	-7.0
50	5695	vf0	-13.6	-15.1	0.0	0.0	-11.3	13	-24.3
60	5505	vf0	8.1	8.9	6.5	7.8	11.5	13	-1.5
60	5600	vf0	-1.2	-0.6	0.8	0.9	2.1	13	-10.9
60	5690	vf0	-14.4	-15.9	0.0	0.0	-12.1	13	-25.1
80	5515	ve00	-4.7	-4.1	0.3	0.4	-1.4	13	-14.4
80	5600	ve00	-10.5	-12.2	0.1	0.1	-8.3	13	-21.3
80	5680	ve00	-13.5	-15.4	0.0	0.0	-11.3	13	-24.3

19dBi AM-5G19-120

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	5480	vt0	3.5	3.2	2.2	2.1	6.4	11	-4.6
10	5600	vt0	3.3	3.5	2.1	2.2	6.4	11	-4.6
10	5715	vt0	-8.8	-7.5	0.1	0.2	-5.1	11	-16.1
20	5485	vt0	5.1	5.7	3.2	3.7	8.4	11	-2.6
20	5600	vt0	5.1	5.8	3.2	3.8	8.5	11	-2.5
20	5710	vt0	-12.4	-14.4	0.1	0.0	-10.3	11	-21.3
30	5490	vt0	6.2	6.8	4.2	4.8	9.5	11	-1.5
30	5600	vt0	6.8	8.0	4.8	6.3	10.5	11	-0.5
30	5705	vt0	-16.0	-18.1	0.0	0.0	-13.9	11	-24.9
40	5495	vf0	5.8	6.0	3.8	4.0	8.9	11	-2.1
40	5600	vf0	4.7	5.0	3.0	3.2	7.9	11	-3.1
40	5700	vf0	-16.6	-18.1	0.0	0.0	-14.3	11	-25.3
50	5500	vf0	5.8	5.7	3.8	3.7	8.8	11	-2.2
50	5600	vf0	0.6	1.3	1.1	1.3	4.0	11	-7.0
50	5695	vf0	-15.6	-17.1	0.0	0.0	-13.3	11	-24.3
60	5505	vf0	6.1	6.9	4.1	4.9	9.5	11	-1.5
60	5600	vf0	-3.2	-2.6	0.5	0.5	0.1	11	-10.9
60	5690	vf0	-16.4	-17.9	0.0	0.0	-14.1	11	-25.1
80	5515	ve00	-6.7	-6.1	0.2	0.2	-3.4	11	-14.4
80	5600	ve00	-12.5	-14.2	0.1	0.0	-10.3	11	-21.3
80	5680	ve00	-15.5	-17.4	0.0	0.0	-13.3	11	-24.3

20dBi AM-5G20-90

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	5480	vt0	2.5	2.2	1.8	1.7	5.4	10	-4.6
10	5600	vt0	2.3	2.5	1.7	1.8	5.4	10	-4.6
10	5715	vt0	-9.8	-8.5	0.1	0.1	-6.1	10	-16.1
20	5485	vt0	4.1	4.7	2.6	3.0	7.4	10	-2.6
20	5600	vt0	4.1	4.8	2.6	3.0	7.5	10	-2.5
20	5710	vt0	-13.4	-15.4	0.0	0.0	-11.3	10	-21.3
30	5490	vt0	5.2	5.8	3.3	3.8	8.5	10	-1.5
30	5600	vt0	5.8	7.0	3.8	5.0	9.5	10	-0.5
30	5705	vt0	-17.0	-19.1	0.0	0.0	-14.9	10	-24.9
40	5495	vf0	4.8	5.0	3.0	3.2	7.9	10	-2.1
40	5600	vf0	3.7	4.0	2.3	2.5	6.9	10	-3.1
40	5700	vf0	-17.6	-19.1	0.0	0.0	-15.3	10	-25.3
50	5500	vf0	4.8	4.7	3.0	3.0	7.8	10	-2.2
50	5600	vf0	-0.4	0.3	0.9	1.1	3.0	10	-7.0
50	5695	vf0	-16.6	-18.1	0.0	0.0	-14.3	10	-24.3
60	5505	vf0	5.1	5.9	3.2	3.9	8.5	10	-1.5
60	5600	vf0	-4.2	-3.6	0.4	0.4	-0.9	10	-10.9
60	5690	vf0	-17.4	-18.9	0.0	0.0	-15.1	10	-25.1
80	5515	ve00	-7.7	-7.1	0.2	0.2	-4.4	10	-14.4
80	5600	ve00	-13.5	-15.2	0.0	0.0	-11.3	10	-21.3
80	5680	ve00	-16.5	-18.4	0.0	0.0	-14.3	10	-24.3

21 dBI AM-V5G-Ti

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	5480	vt0	1.5	1.2	1.4	1.3	4.4	9	-4.6
10	5600	vt0	1.3	1.5	1.3	1.4	4.4	9	-4.6
10	5715	vt0	-10.8	-9.5	0.1	0.1	-7.1	9	-16.1
20	5485	vt0	3.1	3.7	2.0	2.3	6.4	9	-2.6
20	5600	vt0	3.1	3.8	2.0	2.4	6.5	9	-2.5
20	5710	vt0	-14.4	-16.4	0.0	0.0	-12.3	9	-21.3
30	5490	vt0	4.2	4.8	2.6	3.0	7.5	9	-1.5
30	5600	vt0	4.8	6.0	3.0	4.0	8.5	9	-0.5
30	5705	vt0	-18.0	-20.1	0.0	0.0	-15.9	9	-24.9
40	5495	vf0	3.8	4.0	2.4	2.5	6.9	9	-2.1
40	5600	vf0	2.7	3.0	1.9	2.0	5.9	9	-3.1
40	5700	vf0	-18.6	-20.1	0.0	0.0	-16.3	9	-25.3
50	5500	vf0	3.8	3.7	2.4	2.3	6.8	9	-2.2
50	5600	vf0	-1.4	-0.7	0.7	0.9	2.0	9	-7.0
50	5695	vf0	-17.6	-19.1	0.0	0.0	-15.3	9	-24.3
60	5505	vf0	4.1	4.9	2.6	3.1	7.5	9	-1.5
60	5600	vf0	-5.2	-4.6	0.3	0.3	-1.9	9	-10.9
60	5690	vf0	-18.4	-19.9	0.0	0.0	-16.1	9	-25.1
80	5515	ve00	-8.7	-8.1	0.1	0.2	-5.4	9	-14.4
80	5600	ve00	-14.5	-16.2	0.0	0.0	-12.3	9	-21.3
80	5680	ve00	-17.5	-19.4	0.0	0.0	-15.3	9	-24.3

21dBi AM-5AC21-60

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	5480	vt0	1.5	1.2	1.4	1.3	4.4	9	-4.6
10	5600	vt0	1.3	1.5	1.3	1.4	4.4	9	-4.6
10	5715	vt0	-10.8	-9.5	0.1	0.1	-7.1	9	-16.1
20	5485	vt0	3.1	3.7	2.0	2.3	6.4	9	-2.6
20	5600	vt0	3.1	3.8	2.0	2.4	6.5	9	-2.5
20	5710	vt0	-14.4	-16.4	0.0	0.0	-12.3	9	-21.3
30	5490	vt0	4.2	4.8	2.6	3.0	7.5	9	-1.5
30	5600	vt0	4.8	6.0	3.0	4.0	8.5	9	-0.5
30	5705	vt0	-18.0	-20.1	0.0	0.0	-15.9	9	-24.9
40	5495	vf0	3.8	4.0	2.4	2.5	6.9	9	-2.1
40	5600	vf0	2.7	3.0	1.9	2.0	5.9	9	-3.1
40	5700	vf0	-18.6	-20.1	0.0	0.0	-16.3	9	-25.3
50	5500	vf0	3.8	3.7	2.4	2.3	6.8	9	-2.2
50	5600	vf0	-1.4	-0.7	0.7	0.9	2.0	9	-7.0
50	5695	vf0	-17.6	-19.1	0.0	0.0	-15.3	9	-24.3
60	5505	vf0	4.1	4.9	2.6	3.1	7.5	9	-1.5
60	5600	vf0	-5.2	-4.6	0.3	0.3	-1.9	9	-10.9
60	5690	vf0	-18.4	-19.9	0.0	0.0	-16.1	9	-25.1
80	5515	ve00	-8.7	-8.1	0.1	0.2	-5.4	9	-14.4
80	5600	ve00	-14.5	-16.2	0.0	0.0	-12.3	9	-21.3
80	5680	ve00	-17.5	-19.4	0.0	0.0	-15.3	9	-24.3

22dBi AM-5AC22-45

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	5480	vt0	0.5	0.2	1.1	1.0	3.4	8	-4.6
10	5600	vt0	0.3	0.5	1.1	1.1	3.4	8	-4.6
10	5715	vt0	-11.8	-10.5	0.1	0.1	-8.1	8	-16.1
20	5485	vt0	2.1	2.7	1.6	1.9	5.4	8	-2.6
20	5600	vt0	2.1	2.8	1.6	1.9	5.5	8	-2.5
20	5710	vt0	-15.4	-17.4	0.0	0.0	-13.3	8	-21.3
30	5490	vt0	3.2	3.8	2.1	2.4	6.5	8	-1.5
30	5600	vt0	3.8	5.0	2.4	3.2	7.5	8	-0.5
30	5705	vt0	-19.0	-21.1	0.0	0.0	-16.9	8	-24.9
40	5495	vf0	2.8	3.0	1.9	2.0	5.9	8	-2.1
40	5600	vf0	1.7	2.0	1.5	1.6	4.9	8	-3.1
40	5700	vf0	-19.6	-21.1	0.0	0.0	-17.3	8	-25.3
50	5500	vf0	2.8	2.7	1.9	1.9	5.8	8	-2.2
50	5600	vf0	-2.4	-1.7	0.6	0.7	1.0	8	-7.0
50	5695	vf0	-18.6	-20.1	0.0	0.0	-16.3	8	-24.3
60	5505	vf0	3.1	3.9	2.0	2.5	6.5	8	-1.5
60	5600	vf0	-6.2	-5.6	0.2	0.3	-2.9	8	-10.9
60	5690	vf0	-19.4	-20.9	0.0	0.0	-17.1	8	-25.1
80	5515	ve00	-9.7	-9.1	0.1	0.1	-6.4	8	-14.4
80	5600	ve00	-15.5	-17.2	0.0	0.0	-13.3	8	-21.3
80	5680	ve00	-18.5	-20.4	0.0	0.0	-16.3	8	-24.3

RD-5G30

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	5480	vt0	-7.5	-7.8	0.2	0.2	-4.6	0	-4.6
10	5600	vt0	-7.7	-7.5	0.2	0.2	-4.6	0	-4.6
10	5715	vt0	-19.8	-18.5	0.0	0.0	-16.1	0	-16.1
20	5485	vt0	-5.9	-5.3	0.3	0.3	-2.6	0	-2.6
20	5600	vt0	-5.9	-5.2	0.3	0.3	-2.5	0	-2.5
20	5710	vt0	-23.4	-25.4	0.0	0.0	-21.3	0	-21.3
30	5490	vt0	-4.8	-4.2	0.3	0.4	-1.5	0	-1.5
30	5600	vt0	-4.2	-3.0	0.4	0.5	-0.5	0	-0.5
30	5705	vt0	-27.0	-29.1	0.0	0.0	-24.9	0	-24.9
40	5495	vf0	-5.2	-5.0	0.3	0.3	-2.1	0	-2.1
40	5600	vf0	-6.3	-6.0	0.2	0.3	-3.1	0	-3.1
40	5700	vf0	-27.6	-29.1	0.0	0.0	-25.3	0	-25.3
50	5500	vf0	-5.2	-5.3	0.3	0.3	-2.2	0	-2.2
50	5600	vf0	-10.4	-9.7	0.1	0.1	-7.0	0	-7.0
50	5695	vf0	-26.6	-28.1	0.0	0.0	-24.3	0	-24.3
60	5505	vf0	-4.9	-4.1	0.3	0.4	-1.5	0	-1.5
60	5600	vf0	-14.2	-13.6	0.0	0.0	-10.9	0	-10.9
60	5690	vf0	-27.4	-28.9	0.0	0.0	-25.1	0	-25.1
80	5515	ve00	-17.7	-17.1	0.0	0.0	-14.4	0	-14.4
80	5600	ve00	-23.5	-25.2	0.0	0.0	-21.3	0	-21.3
80	5680	ve00	-26.5	-28.4	0.0	0.0	-24.3	0	-24.3

RD-5G31-AC

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	5480	vt0	-8.5	-8.8	0.1	0.1	-5.6	-1	-4.6
10	5600	vt0	-8.7	-8.5	0.1	0.1	-5.6	-1	-4.6
10	5715	vt0	-20.8	-19.5	0.0	0.0	-17.1	-1	-16.1
20	5485	vt0	-6.9	-6.3	0.2	0.2	-3.6	-1	-2.6
20	5600	vt0	-6.9	-6.2	0.2	0.2	-3.5	-1	-2.5
20	5710	vt0	-24.4	-26.4	0.0	0.0	-22.3	-1	-21.3
30	5490	vt0	-5.8	-5.2	0.3	0.3	-2.5	-1	-1.5
30	5600	vt0	-5.2	-4.0	0.3	0.4	-1.5	-1	-0.5
30	5705	vt0	-28.0	-30.1	0.0	0.0	-25.9	-1	-24.9
40	5495	vf0	-6.2	-6.0	0.2	0.3	-3.1	-1	-2.1
40	5600	vf0	-7.3	-7.0	0.2	0.2	-4.1	-1	-3.1
40	5700	vf0	-28.6	-30.1	0.0	0.0	-26.3	-1	-25.3
50	5500	vf0	-6.2	-6.3	0.2	0.2	-3.2	-1	-2.2
50	5600	vf0	-11.4	-10.7	0.1	0.1	-8.0	-1	-7.0
50	5695	vf0	-27.6	-29.1	0.0	0.0	-25.3	-1	-24.3
60	5505	vf0	-5.9	-5.1	0.3	0.3	-2.5	-1	-1.5
60	5600	vf0	-15.2	-14.6	0.0	0.0	-11.9	-1	-10.9
60	5690	vf0	-28.4	-29.9	0.0	0.0	-26.1	-1	-25.1
80	5515	ve00	-18.7	-18.1	0.0	0.0	-15.4	-1	-14.4
80	5600	ve00	-24.5	-26.2	0.0	0.0	-22.3	-1	-21.3
80	5680	ve00	-27.5	-29.4	0.0	0.0	-25.3	-1	-24.3