

Appendix A. Test Data

Duty Cycle						
Band	Frequency (MHz)	On time (ms)	On+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
BLE 2M	2402	0.232	0.624	37.220	4.292	4.303
BLR C8	2402	3.152	3.744	84.188	0.747	0.317

Ant-1

Maximum Conducted Output Power Measurement										
Test Mode	Frequency (MHz)	Average Power		Peak Power		Power Limit	Peak Gain	EIRP Power		EIRP Power Limit
		dBm	W	dBm	W	dBm	dBd	dBm	W	W
BLE 1M	2402	7.25	0.0053	7.27	0.0053	30.00	-0.10	7.17	0.0052	4.00
BLE 1M	2440	7.56	0.0057	7.58	0.0057	30.00	-0.10	7.48	0.0056	4.00
BLE 1M	2480	7.59	0.0057	7.62	0.0058	30.00	-0.10	7.52	0.0056	4.00
BLE 2M	2402	6.22	0.0042	6.35	0.0043	30.00	-0.10	6.25	0.0042	4.00
BLE 2M	2440	6.35	0.0043	6.38	0.0043	30.00	-0.10	6.28	0.0042	4.00
BLE 2M	2480	6.31	0.0043	6.36	0.0043	30.00	-0.10	6.26	0.0042	4.00
BLR C2	2402	6.48	0.0044	6.50	0.0045	30.00	-0.10	6.40	0.0044	4.00
BLR C2	2440	6.34	0.0043	6.36	0.0043	30.00	-0.10	6.26	0.0042	4.00
BLR C2	2480	6.29	0.0043	6.32	0.0043	30.00	-0.10	6.22	0.0042	4.00
BLR C8	2402	7.25	0.0053	7.27	0.0053	30.00	-0.10	7.17	0.0052	4.00
BLR C8	2440	7.56	0.0057	7.58	0.0057	30.00	-0.10	7.48	0.0056	4.00
BLR C8	2480	7.59	0.0057	7.62	0.0058	30.00	-0.10	7.52	0.0056	4.00

Note: The relevant measured result has the offset with cable loss already.

Ant-0

Maximum Conducted Output Power Measurement										
Test Mode	Frequency (MHz)	Average Power		Peak Power		Power Limit	Peak Gain	EIRP Power		EIRP Power Limit
		dBm	W	dBm	W			dBm	W	W
BLE 1M	2402	6.79	0.0048	6.81	0.0048	30.00	-0.10	6.71	0.0047	4.00
BLE 1M	2440	6.69	0.0047	6.72	0.0047	30.00	-0.10	6.62	0.0046	4.00
BLE 1M	2480	7.86	0.0061	7.89	0.0062	30.00	-0.10	7.79	0.0060	4.00
BLE 2M	2402	6.02	0.0040	6.43	0.0044	30.00	-0.10	6.33	0.0043	4.00
BLE 2M	2440	6.11	0.0041	6.41	0.0044	30.00	-0.10	6.31	0.0043	4.00
BLE 2M	2480	6.02	0.0040	6.34	0.0043	30.00	-0.10	6.24	0.0042	4.00
BLR C2	2402	6.38	0.0043	6.40	0.0044	30.00	-0.10	6.30	0.0043	4.00
BLR C2	2440	6.37	0.0043	6.38	0.0043	30.00	-0.10	6.28	0.0042	4.00
BLR C2	2480	7.65	0.0058	7.74	0.0059	30.00	-0.10	7.64	0.0058	4.00
BLR C8	2402	6.79	0.0048	6.81	0.0048	30.00	-0.10	6.71	0.0047	4.00
BLR C8	2440	6.69	0.0047	6.72	0.0047	30.00	-0.10	6.62	0.0046	4.00
BLR C8	2480	7.86	0.0061	7.89	0.0062	30.00	-0.10	7.79	0.0060	4.00

Note: The relevant measured result has the offset with cable loss already.

6 dB Bandwidth and 99 % Occupied Bandwidth

Test mode	Frequency	99 % Occupied Bandwidth	6 dB Bandwidth	6 dB Limit
	(MHz)	(MHz)	(kHz)	(kHz)
BLE 2M	2402	2.017	1164.0000	≥ 500
BLE 2M	2440	2.018	1168.0000	≥ 500
BLE 2M	2480	2.007	1171.0000	≥ 500
BLR C8	2402	1.046	626.3000	≥ 500
BLR C8	2440	1.044	625.2000	≥ 500
BLR C8	2480	1.045	625.3000	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-9.655	≤ 8
BLE 2M	2440	-10.095	≤ 8
BLE 2M	2480	-11.103	≤ 8
BLR C8	2402	1.804	≤ 8
BLR C8	2440	1.282	≤ 8
BLR C8	2480	0.483	≤ 8