

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 1M	2402	10.000	10.000	100.000	0.000	0.010
BLE 2M	2402	10.000	10.000	100.000	0.000	0.010
BLR C2	2402	10.000	10.000	100.000	0.000	0.010
BLR C8	2402	10.000	10.000	100.000	0.000	0.010

Maximum Conducted Output Power Measurement												
Test Mode	Frequency (MHz)	Average Power		Peak Power		Power Limit	Peak Gain	EIRP Power		EIRP Power Limit	RF Power setting in Test Software	Test Software Version
		dBm	W	dBm	W			dBm	W			
BLE 1M	2402	3.41	0.0022	5.12	0.0033	30.00	3.60	8.72	0.0074	4.00	10	EspRFTTestTool/v3.6
BLE 1M	2440	4.05	0.0025	5.70	0.0037	30.00	3.60	9.30	0.0085	4.00	10	
BLE 1M	2480	2.60	0.0018	4.38	0.0027	30.00	3.60	7.98	0.0063	4.00	10	
BLE 2M	2402	3.49	0.0022	5.01	0.0032	30.00	3.60	8.61	0.0073	4.00	10	
BLE 2M	2440	4.19	0.0026	5.65	0.0037	30.00	3.60	9.25	0.0084	4.00	10	
BLE 2M	2480	2.72	0.0019	4.38	0.0027	30.00	3.60	7.98	0.0063	4.00	10	
BLR C2	2402	3.34	0.0022	5.08	0.0032	30.00	3.60	8.68	0.0074	4.00	10	
BLR C2	2440	3.94	0.0025	5.60	0.0036	30.00	3.60	9.20	0.0083	4.00	10	
BLR C2	2480	2.53	0.0018	4.36	0.0027	30.00	3.60	7.96	0.0063	4.00	10	
BLR C8	2402	3.47	0.0022	5.16	0.0033	30.00	3.60	8.76	0.0075	4.00	10	
BLR C8	2440	4.13	0.0026	5.73	0.0037	30.00	3.60	9.33	0.0086	4.00	10	
BLR C8	2480	2.70	0.0019	4.43	0.0028	30.00	3.60	8.03	0.0064	4.00	10	

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	2.1251	1273	≥ 500
BLE 2M	2440	2.1252	1278	≥ 500
BLE 2M	2480	2.1284	1274	≥ 500
BLR C8	2402	1.0994	630.1	≥ 500
BLR C8	2440	1.1000	632.7	≥ 500
BLR C8	2480	1.1014	629.0	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-16.72	≤ 8
BLE 2M	2440	-14.54	≤ 8
BLE 2M	2480	-14.99	≤ 8
BLR C8	2402	-3.61	≤ 8
BLR C8	2440	-2.70	≤ 8
BLR C8	2480	-4.03	≤ 8