

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	0.230	0.630	36.508	4.376	4.348
BLR C8	2402	3.130	3.750	83.467	0.785	0.319

Maximum Conducted Output Power Measurement								
Test Mode	Frequency (MHz)	Average Power		Peak Power		Power Limit	RF Power setting in Test Software	Test Software Version
		dBm	W	dBm	W			
BLE 1M	2402	7.67	0.0058	7.75	0.0060	30.00	8.00	Direct Test Mode v2.0.1
BLE 1M	2440	7.35	0.0054	7.45	0.0056	30.00	8.00	
BLE 1M	2480	6.88	0.0049	7.00	0.0050	30.00	8.00	
BLE 2M	2402	7.68	0.0059	7.86	0.0061	30.00	8.00	
BLE 2M	2440	7.36	0.0054	7.46	0.0056	30.00	8.00	
BLE 2M	2480	6.89	0.0049	7.00	0.0050	30.00	8.00	
BLR C2	2402	7.67	0.0058	7.76	0.0060	30.00	8.00	
BLR C2	2440	7.35	0.0054	7.45	0.0056	30.00	8.00	
BLR C2	2480	6.88	0.0049	7.00	0.0050	30.00	8.00	
BLR C8	2402	7.68	0.0059	7.83	0.0061	30.00	8.00	
BLR C8	2440	7.36	0.0054	7.46	0.0056	30.00	8.00	
BLR C8	2480	6.89	0.0049	7.01	0.0050	30.00	8.00	

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	2.048	1149.0000	≥ 500
BLE 2M	2440	2.051	1157.0000	≥ 500
BLE 2M	2480	2.054	1145.0000	≥ 500
BLR C8	2402	1.078	611.7000	≥ 500
BLR C8	2440	1.083	612.6000	≥ 500
BLR C8	2480	1.081	614.7000	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-9.880	≤ 8
BLE 2M	2440	-10.050	≤ 8
BLE 2M	2480	-10.450	≤ 8
BLR C8	2402	1.540	≤ 8
BLR C8	2440	1.260	≤ 8
BLR C8	2480	1.020	≤ 8