

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	0.406	0.626	64.856	1.880	2.463
BLE 2M	2402	0.220	0.624	35.256	4.528	4.545
BLR C2	2402	1.092	1.876	58.209	2.350	0.916
BLR C8	2402	3.150	3.750	84.000	0.757	0.317

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	dBm		
BLE 1M	2402	4.15	0.0026	4.63	0.0029	30.00	0x45	AX Series MP Toolkit_v2.0.41 / RTLBTAPP_v5.2.4.2
BLE 1M	2440	4.48	0.0028	4.90	0.0031	30.00	0x45	
BLE 1M	2480	4.17	0.0026	4.67	0.0029	30.00	0x45	
BLE 2M	2402	4.47	0.0028	5.16	0.0033	30.00	0x46	
BLE 2M	2440	4.35	0.0027	5.01	0.0032	30.00	0x45	
BLE 2M	2480	4.54	0.0028	5.20	0.0033	30.00	0x46	
BLR C2	2402	4.24	0.0027	4.66	0.0029	30.00	0x45	
BLR C2	2440	4.45	0.0028	4.95	0.0031	30.00	0x45	
BLR C2	2480	4.22	0.0026	4.70	0.0030	30.00	0x45	
BLR C8	2402	4.26	0.0027	4.67	0.0029	30.00	0x45	
BLR C8	2440	4.56	0.0029	4.97	0.0031	30.00	0x45	
BLR C8	2480	4.26	0.0027	4.71	0.0030	30.00	0x45	

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	2.044	1169.0000	≥ 500
BLE 2M	2440	2.063	1166.0000	≥ 500
BLE 2M	2480	2.073	985.0000	≥ 500
BLR C8	2402	1.052	607.2000	≥ 500
BLR C8	2440	1.051	608.9000	≥ 500
BLR C8	2480	1.052	608.5000	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-12.760	≤ 8
BLE 2M	2440	-12.220	≤ 8
BLE 2M	2480	-12.010	≤ 8
BLR C8	2402	-0.850	≤ 8
BLR C8	2440	-1.000	≤ 8
BLR C8	2480	-1.300	≤ 8