

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	0.222	0.627	35.407	4.509	4.505
BLR C2	2402	1.085	1.868	58.084	2.359	0.922
BLR C8	2402	3.135	3.750	83.600	0.778	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	dBm		
BLE 1M	2402	4.90	0.0031	5.41	0.0035	30.00	0x40	AX Series MP Toolkit_v2.0.41 / RTLBTAPP_v5.2.4.2
BLE 1M	2440	4.82	0.0030	5.35	0.0034	30.00	0x40	
BLE 1M	2480	4.81	0.0030	5.33	0.0034	30.00	0x40	
BLE 2M	2402	4.79	0.0030	5.48	0.0035	30.00	0x40	
BLE 2M	2440	4.70	0.0030	5.37	0.0034	30.00	0x40	
BLE 2M	2480	4.68	0.0029	5.35	0.0034	30.00	0x40	
BLR C2	2402	4.99	0.0032	5.45	0.0035	30.00	0x40	
BLR C2	2440	4.90	0.0031	5.33	0.0034	30.00	0x40	
BLR C2	2480	4.89	0.0031	5.33	0.0034	30.00	0x40	
BLR C8	2402	4.97	0.0031	5.47	0.0035	30.00	0x40	
BLR C8	2440	4.96	0.0031	5.42	0.0035	30.00	0x40	
BLR C8	2480	4.94	0.0031	5.39	0.0035	30.00	0x40	

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	2.064	1139.0000	≥ 500
BLE 2M	2440	2.049	979.0000	≥ 500
BLE 2M	2480	2.046	1137.0000	≥ 500
BLR C8	2402	1.052	608.4000	≥ 500
BLR C8	2440	1.050	607.9000	≥ 500
BLR C8	2480	1.051	608.6000	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-11.890	≤ 8
BLE 2M	2440	-10.530	≤ 8
BLE 2M	2480	-11.780	≤ 8
BLR C8	2402	0.090	≤ 8
BLR C8	2440	-0.090	≤ 8
BLR C8	2480	0.210	≤ 8