

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	30.000	30.000	100.000	0.000	0.010
BLR C8	2402	30.000	30.000	100.000	0.000	0.010

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	5.58	0.0036	5.68	0.0037	30.00	13.00	Putty / command line
BLE 1M	2440	6.50	0.0045	6.58	0.0045	30.00	14.00	
BLE 1M	2480	6.34	0.0043	6.40	0.0044	30.00	15.00	
BLE 2M	2402	5.58	0.0036	5.69	0.0037	30.00	13.00	
BLE 2M	2440	5.91	0.0039	6.01	0.0040	30.00	13.00	
BLE 2M	2480	6.37	0.0043	6.47	0.0044	30.00	15.00	
BLR C2	2402	5.57	0.0036	5.66	0.0037	30.00	13.00	
BLR C2	2440	6.48	0.0044	6.57	0.0045	30.00	14.00	
BLR C2	2480	6.33	0.0043	6.39	0.0044	30.00	15.00	
BLR C8	2402	5.62	0.0036	5.73	0.0037	30.00	13.00	
BLR C8	2440	6.58	0.0045	6.66	0.0046	30.00	14.00	
BLR C8	2480	6.38	0.0043	6.47	0.0044	30.00	15.00	

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

6 dB Bandwidth			
Test mode	Frequency	6 dB Bandwidth	6 dB Limit
	(MHz)	(kHz)	(kHz)
BLE 2M	2402	1215.0000	≥ 500
BLE 2M	2440	1253.0000	≥ 500
BLE 2M	2480	1344.0000	≥ 500
BLR C8	2402	701.7000	≥ 500
BLR C8	2440	715.4000	≥ 500
BLR C8	2480	701.9000	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-10.200	≤ 8
BLE 2M	2440	-10.400	≤ 8
BLE 2M	2480	-8.880	≤ 8
BLR C8	2402	-0.570	≤ 8
BLR C8	2440	0.480	≤ 8
BLR C8	2480	0.360	≤ 8