

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	0.176	1.247	14.090	8.511	5.692
BLR C8	2402	2.198	3.234	67.965	1.677	0.455

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	6.50	0.0045	6.65	0.0046	30.00	8.00	SmartRF Studio 8 v1.2.0
BLE 1M	2440	6.18	0.0041	6.33	0.0043	30.00	8.00	
BLE 1M	2480	5.74	0.0037	5.90	0.0039	30.00	8.00	
BLE 2M	2402	6.51	0.0045	6.65	0.0046	30.00	8.00	
BLE 2M	2440	6.19	0.0042	6.33	0.0043	30.00	8.00	
BLE 2M	2480	5.75	0.0038	5.91	0.0039	30.00	8.00	
BLR C2	2402	6.50	0.0045	6.64	0.0046	30.00	8.00	
BLR C2	2440	6.17	0.0041	6.33	0.0043	30.00	8.00	
BLR C2	2480	5.74	0.0037	5.91	0.0039	30.00	8.00	
BLR C8	2402	6.51	0.0045	6.66	0.0046	30.00	8.00	
BLR C8	2440	6.19	0.0042	6.35	0.0043	30.00	8.00	
BLR C8	2480	5.75	0.0038	5.93	0.0039	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	2.053	1223	≥ 500
BLE 2M	2440	2.071	1155	≥ 500
BLE 2M	2480	2.053	1186	≥ 500
BLR C8	2402	1.114	614.1	≥ 500
BLR C8	2440	1.106	612.3	≥ 500
BLR C8	2480	1.104	614.8	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-10.140	≤ 8
BLE 2M	2440	-10.350	≤ 8
BLE 2M	2480	-11.420	≤ 8
BLR C8	2402	0.400	≤ 8
BLR C8	2440	0.040	≤ 8
BLR C8	2480	-0.090	≤ 8