

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	0.628	64.650	1.894	2.463
BLE 2M	2402	0.220	0.626	35.144	4.542	4.545

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	13.22	0.0210	13.95	0.0248	30.00	11.00	QRCT
BLE 1M	2440	15.03	0.0319	15.68	0.0370	30.00	11.00	
BLE 1M	2480	13.75	0.0237	14.43	0.0277	30.00	11.00	
BLE 2M	2402	13.27	0.0212	14.36	0.0273	30.00	11.00	
BLE 2M	2440	15.09	0.0323	16.14	0.0411	30.00	11.00	
BLE 2M	2480	13.90	0.0246	14.99	0.0316	30.00	11.00	

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 1M	2402	1.0187	668.4	≥ 500
BLE 1M	2440	1.0181	668.0	≥ 500
BLE 1M	2480	1.0153	665.2	≥ 500
BLE 2M	2402	1.9943	1139	≥ 500
BLE 2M	2440	1.9918	1138	≥ 500
BLE 2M	2480	1.9862	1136	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 1M	2402	-1.32	≤ 8
BLE 1M	2440	0.37	≤ 8
BLE 1M	2480	-0.96	≤ 8
BLE 2M	2402	-4.19	≤ 8
BLE 2M	2440	-2.33	≤ 8
BLE 2M	2480	-3.58	≤ 8