

Appendix A. Test Data

Duty Cycle						
Band	Frequency (MHz)	On time (ms)	On+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimun VBW (kHz)
BLE 1M	2402	0.445	0.625	71.200	1.475	2.247
BLE 2M	2402	0.260	0.625	41.600	3.809	3.846

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			
BLE 1M	2402	8.57	0.0072	8.59	0.0072	30.00	0x00	AWDTRDLAB 1.0.9.21
BLE 1M	2440	8.73	0.0075	8.75	0.0075	30.00	0x00	
BLE 1M	2480	8.85	0.0077	8.88	0.0077	30.00	0x00	
BLE 2M	2402	8.57	0.0072	8.59	0.0072	30.00	0x00	
BLE 2M	2440	8.74	0.0075	8.77	0.0075	30.00	0x00	
BLE 2M	2480	8.87	0.0077	8.90	0.0078	30.00	0x00	

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	1.038	677.1000	≥ 500
BLE 1M	2440	1.038	678.2000	≥ 500
BLE 1M	2480	1.037	675.6000	≥ 500
BLE 2M	2402	2.012	1214.0000	≥ 500
BLE 2M	2440	2.011	1220.0000	≥ 500
BLE 2M	2480	2.012	1215.0000	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 1M	2402	-2.760	≤ 8
BLE 1M	2440	-2.950	≤ 8
BLE 1M	2480	-3.040	≤ 8
BLE 2M	2402	1.730	≤ 8
BLE 2M	2440	1.650	≤ 8
BLE 2M	2480	1.640	≤ 8