

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	0.402	0.627	64.115	1.930	2.488
BLE 2M	2402	0.216	0.624	34.615	4.607	4.630

Maximum Conducted Output Power Measurement												
Test Mode	Frequency (MHz)	Average Power		Peak Power		Power Limit	Peak Gain	EIRP Power		EIRP Power Limit	RF Power setting in Test Software	Test Software Version
		dBm	W	dBm	W	dBm	dBd	dBm	W	W		
BLE 1M	2402	0.41	0.0011	0.45	0.0011	30.00	1.68	2.13	0.0016	4.00	0.00	Direct Test Mode v2.2.0
BLE 1M	2440	0.27	0.0011	0.32	0.0011	30.00	1.68	2.00	0.0016	4.00	0.00	
BLE 1M	2480	0.00	0.0010	0.05	0.0010	30.00	1.68	1.73	0.0015	4.00	0.00	
BLE 2M	2402	0.41	0.0011	0.46	0.0011	30.00	1.68	2.14	0.0016	4.00	0.00	
BLE 2M	2440	0.25	0.0011	0.31	0.0011	30.00	1.68	1.99	0.0016	4.00	0.00	
BLE 2M	2480	-0.01	0.0010	0.05	0.0010	30.00	1.68	1.73	0.0015	4.00	0.00	

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	1.053	702.0000	≥ 500
BLE 1M	2440	1.057	705.0000	≥ 500
BLE 1M	2480	1.059	701.8000	≥ 500
BLE 2M	2402	2.056	1160.0000	≥ 500
BLE 2M	2440	2.061	1160.0000	≥ 500
BLE 2M	2480	2.064	1164.0000	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 1M	2402	-15.120	≤ 8
BLE 1M	2440	-15.290	≤ 8
BLE 1M	2480	-15.470	≤ 8
BLE 2M	2402	-17.450	≤ 8
BLE 2M	2440	-17.830	≤ 8
BLE 2M	2480	-18.010	≤ 8