

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	0.420	0.620	67.742	1.691	2.381
BLE 2M	2402	0.230	0.610	37.705	4.236	4.348

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	dBli	dBm	W	W		
BLE 1M	2402	4.72	0.0030	4.75	0.0030	30.00	2.25	7.00	0.0050	4.00	4.00	nRF_DTM_v0.9.1
BLE 1M	2440	4.64	0.0029	4.67	0.0029	30.00	2.25	6.92	0.0049	4.00	4.00	
BLE 1M	2480	4.55	0.0029	4.52	0.0028	30.00	2.25	6.77	0.0048	4.00	4.00	
BLE 2M	2402	4.74	0.0030	4.77	0.0030	30.00	2.25	7.02	0.0050	4.00	4.00	
BLE 2M	2440	4.65	0.0029	4.69	0.0029	30.00	2.25	6.94	0.0049	4.00	4.00	
BLE 2M	2480	4.52	0.0028	4.56	0.0029	30.00	2.25	6.81	0.0048	4.00	4.00	

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	1.055	704.3000	≥ 500
BLE 1M	2440	1.058	708.9000	≥ 500
BLE 1M	2480	1.059	698.2000	≥ 500
BLE 2M	2402	2.060	1170.0000	≥ 500
BLE 2M	2440	2.065	1164.0000	≥ 500
BLE 2M	2480	2.067	1166.0000	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 1M	2402	-10.920	≤ 8
BLE 1M	2440	-10.900	≤ 8
BLE 1M	2480	-10.840	≤ 8
BLE 2M	2402	-13.610	≤ 8
BLE 2M	2440	-13.350	≤ 8
BLE 2M	2480	-13.430	≤ 8