

Appendix A. Test Data

Duty Cycle						
Test Mode	Frequency (MHz)	On time (ms)	On+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
BLE 2M	2402	0.216	0.624	34.615	4.607	4.630
BLR C8	2402	3.135	3.750	83.600	0.778	0.319

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	7.07	0.0051	7.09	0.0051	30.00	7.00	Direct Test Mode Tool
BLE 1M	2440	7.11	0.0051	7.13	0.0052	30.00	7.00	
BLE 1M	2480	7.00	0.0050	7.02	0.0050	30.00	7.00	
BLE 2M	2402	7.07	0.0051	7.10	0.0051	30.00	7.00	
BLE 2M	2440	7.13	0.0052	7.15	0.0052	30.00	7.00	
BLE 2M	2480	7.01	0.0050	7.03	0.0050	30.00	7.00	
BLR C2	2402	7.05	0.0051	7.08	0.0051	30.00	7.00	
BLR C2	2440	7.10	0.0051	7.11	0.0051	30.00	7.00	
BLR C2	2480	6.98	0.0050	7.01	0.0050	30.00	7.00	
BLR C8	2402	7.08	0.0051	7.10	0.0051	30.00	7.00	
BLR C8	2440	7.13	0.0052	7.15	0.0052	30.00	7.00	
BLR C8	2480	7.01	0.0050	7.03	0.0050	30.00	7.00	

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	2.044	1158	≥ 500
BLE 2M	2440	2.048	1156	≥ 500
BLE 2M	2480	2.049	1153	≥ 500
BLR C8	2402	1.075	611.5	≥ 500
BLR C8	2440	1.079	612.5	≥ 500
BLR C8	2480	1.083	614.3	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-10.750	≤ 8
BLE 2M	2440	-10.860	≤ 8
BLE 2M	2480	-10.670	≤ 8
BLR C8	2402	1.180	≤ 8
BLR C8	2440	1.160	≤ 8
BLR C8	2480	1.230	≤ 8