

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 2M	2402	0.216	0.624	34.529	4.618	4.638
BLR C8	2402	3.163	3.765	84.011	0.757	0.316

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	7.47	0.0056	7.62	0.0058	30.00	8.00	Direct Test Mode v2.4.2
BLE 1M	2440	7.61	0.0058	7.73	0.0059	30.00	8.00	
BLE 1M	2480	7.74	0.0059	7.88	0.0061	30.00	8.00	
BLE 2M	2402	7.47	0.0056	7.62	0.0058	30.00	8.00	
BLE 2M	2440	7.63	0.0058	7.75	0.0060	30.00	8.00	
BLE 2M	2480	7.75	0.0060	7.90	0.0062	30.00	8.00	
BLR C2	2402	7.45	0.0056	7.61	0.0058	30.00	8.00	
BLR C2	2440	7.60	0.0058	7.72	0.0059	30.00	8.00	
BLR C2	2480	7.72	0.0059	7.86	0.0061	30.00	8.00	
BLR C8	2402	7.48	0.0056	7.63	0.0058	30.00	8.00	
BLR C8	2440	7.62	0.0058	7.75	0.0060	30.00	8.00	
BLR C8	2480	7.75	0.0060	7.89	0.0062	30.00	8.00	

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	2.051	1169	≥ 500
BLE 2M	2440	2.054	1175	≥ 500
BLE 2M	2480	2.057	1166	≥ 500
BLR C8	2402	1.078	619	≥ 500
BLR C8	2440	1.085	618.9	≥ 500
BLR C8	2480	1.085	619.7	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-10.790	≤ 8
BLE 2M	2440	-10.900	≤ 8
BLE 2M	2480	-10.710	≤ 8
BLR C8	2402	0.910	≤ 8
BLR C8	2440	0.970	≤ 8
BLR C8	2480	1.170	≤ 8