

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	2.155	2.495	86.373	0.636	0.464
BLE 2M	2402	1.095	1.865	58.713	2.313	0.913
BLR C2	2402	4.635	5.015	92.423	0.342	0.216
BLR C8	2402	17.280	17.500	98.743	0.055	0.010

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	8.75	0.0075	9.19	0.0083	30.00	9.00	Command
BLE 1M	2440	8.10	0.0065	8.54	0.0071	30.00	9.00	
BLE 1M	2480	8.28	0.0067	8.65	0.0073	30.00	9.00	
BLE 2M	2402	8.78	0.0076	9.21	0.0083	30.00	9.00	
BLE 2M	2440	8.16	0.0066	8.64	0.0073	30.00	9.00	
BLE 2M	2480	8.26	0.0067	8.60	0.0072	30.00	9.00	
BLR C2	2402	8.82	0.0076	9.17	0.0083	30.00	9.00	
BLR C2	2440	8.16	0.0065	8.56	0.0072	30.00	9.00	
BLR C2	2480	8.30	0.0068	8.67	0.0074	30.00	9.00	
BLR C8	2402	8.88	0.0077	9.23	0.0084	30.00	9.00	
BLR C8	2440	8.30	0.0068	8.64	0.0073	30.00	9.00	
BLR C8	2480	8.44	0.0070	8.74	0.0075	30.00	9.00	

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	2.058	1176.0000	≥ 500
BLE 2M	2440	2.058	1184.0000	≥ 500
BLE 2M	2480	2.058	1186.0000	≥ 500
BLR C8	2402	1.054	690.4000	≥ 500
BLR C8	2440	1.054	690.7000	≥ 500
BLR C8	2480	1.050	690.0000	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-8.490	≤ 8
BLE 2M	2440	-8.780	≤ 8
BLE 2M	2480	-8.650	≤ 8
BLR C8	2402	3.880	≤ 8
BLR C8	2440	3.910	≤ 8
BLR C8	2480	3.690	≤ 8