

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	0.406	0.626	64.856	1.880	2.463
BLE 2M	2402	0.220	0.626	35.144	4.542	4.545
BLR C2	2402	1.092	1.876	58.209	2.350	0.916
BLR C8	2402	3.130	3.740	83.690	0.773	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			
BLE 1M	2402	3.75	0.0024	4.38	0.0027	30.00	default	QRCT4
BLE 1M	2440	3.62	0.0023	4.27	0.0027	30.00	default	
BLE 1M	2480	2.31	0.0017	2.97	0.0020	30.00	default	
BLE 2M	2402	3.58	0.0023	4.53	0.0028	30.00	default	
BLE 2M	2440	3.46	0.0022	4.43	0.0028	30.00	default	
BLE 2M	2480	2.15	0.0016	3.09	0.0020	30.00	default	
BLR C2	2402	3.87	0.0024	4.38	0.0027	30.00	default	
BLR C2	2440	3.76	0.0024	4.29	0.0027	30.00	default	
BLR C2	2480	2.44	0.0018	3.01	0.0020	30.00	default	
BLR C8	2402	3.88	0.0024	4.45	0.0028	30.00	default	
BLR C8	2440	3.78	0.0024	4.36	0.0027	30.00	default	
BLR C8	2480	2.47	0.0018	3.08	0.0020	30.00	default	

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	1.999	1149.0000	≥ 500
BLE 2M	2440	1.999	1153.0000	≥ 500
BLE 2M	2480	2.004	1145.0000	≥ 500
BLR C8	2402	1.045	624.9000	≥ 500
BLR C8	2440	1.045	624.7000	≥ 500
BLR C8	2480	1.045	624.7000	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-13.850	≤ 8
BLE 2M	2440	-14.080	≤ 8
BLE 2M	2480	-17.170	≤ 8
BLR C8	2402	-2.350	≤ 8
BLR C8	2440	-2.590	≤ 8
BLR C8	2480	-3.660	≤ 8