

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	0.399	0.624	63.942	1.942	2.506
BLE 2M	2402	0.213	0.624	34.135	4.668	4.695
BLR C2	2402	1.092	1.876	58.209	2.350	0.916
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	11.02	0.0126	11.41	0.0138	30.00	9.00	QRCT4
BLE 1M	2440	11.50	0.0141	11.92	0.0156	30.00	9.00	
BLE 1M	2480	10.92	0.0124	11.29	0.0135	30.00	9.00	
BLE 2M	2402	10.94	0.0124	11.49	0.0141	30.00	9.00	
BLE 2M	2440	11.47	0.0140	12.09	0.0162	30.00	9.00	
BLE 2M	2480	10.88	0.0123	11.42	0.0139	30.00	9.00	
BLR C2	2402	10.98	0.0125	11.38	0.0138	30.00	9.00	
BLR C2	2440	11.53	0.0142	11.94	0.0156	30.00	9.00	
BLR C2	2480	10.97	0.0125	11.33	0.0136	30.00	9.00	
BLR C8	2402	11.04	0.0127	11.43	0.0139	30.00	9.00	
BLR C8	2440	11.56	0.0143	11.95	0.0157	30.00	9.00	
BLR C8	2480	10.98	0.0125	11.36	0.0137	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	2.0390	1141	≥ 500
BLE 2M	2440	2.0340	1144	≥ 500
BLE 2M	2480	2.0364	1141	≥ 500
BLR C8	2402	1.0503	606.4	≥ 500
BLR C8	2440	1.0558	609.3	≥ 500
BLR C8	2480	1.0518	606.3	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-7.20	≤ 8
BLE 2M	2440	-6.84	≤ 8
BLE 2M	2480	-7.31	≤ 8
BLR C8	2402	5.07	≤ 8
BLR C8	2440	5.74	≤ 8
BLR C8	2480	5.14	≤ 8