

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	0.404	0.624	64.744	1.888	2.475
BLE 2M	2402	0.220	0.624	35.256	4.528	4.545
BLR C2	2402	1.090	1.865	58.445	2.333	0.917
BLR C8	2402	3.150	3.750	84.000	0.757	0.317

Maximum Conducted Output Power Measurement												
Test Mode	Frequency (MHz)	Average Power		Peak Power		Power Limit	Peak Gain	EIRP Power		EIRP Power Limit	RF Power setting in Test Software	Test Software Version
		dBm	W	dBm	W	dBm	dBi	dBm	W	W		
BLE 1M	2402	3.78	0.0024	4.33	0.0027	30.00	-0.01	4.32	0.0027	4.00	Default	QRCT v4.0.00185.0
BLE 1M	2440	3.85	0.0024	4.41	0.0028	30.00	-0.01	4.40	0.0028	4.00	Default	
BLE 1M	2480	3.80	0.0024	4.36	0.0027	30.00	-0.01	4.35	0.0027	4.00	Default	
BLE 2M	2402	3.60	0.0023	4.59	0.0029	30.00	-0.01	4.58	0.0029	4.00	Default	
BLE 2M	2440	3.71	0.0023	4.71	0.0030	30.00	-0.01	4.70	0.0030	4.00	Default	
BLE 2M	2480	3.65	0.0023	4.65	0.0029	30.00	-0.01	4.64	0.0029	4.00	Default	
BLR C2	2402	3.88	0.0024	4.36	0.0027	30.00	-0.01	4.35	0.0027	4.00	Default	
BLR C2	2440	3.98	0.0025	4.48	0.0028	30.00	-0.01	4.47	0.0028	4.00	Default	
BLR C2	2480	3.89	0.0025	4.42	0.0028	30.00	-0.01	4.41	0.0028	4.00	Default	
BLR C8	2402	3.94	0.0025	4.41	0.0028	30.00	-0.01	4.40	0.0028	4.00	Default	
BLR C8	2440	4.03	0.0025	4.53	0.0028	30.00	-0.01	4.52	0.0028	4.00	Default	
BLR C8	2480	3.97	0.0025	4.48	0.0028	30.00	-0.01	4.47	0.0028	4.00	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	1.995	1153.0000	≥ 500
BLE 2M	2440	1.997	1150.0000	≥ 500
BLE 2M	2480	1.995	1150.0000	≥ 500
BLR C8	2402	1.043	627.6000	≥ 500
BLR C8	2440	1.044	627.4000	≥ 500
BLR C8	2480	1.043	626.3000	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-13.430	≤ 8
BLE 2M	2440	-13.370	≤ 8
BLE 2M	2480	-13.200	≤ 8
BLR C8	2402	-1.830	≤ 8
BLR C8	2440	-1.860	≤ 8
BLR C8	2480	-1.700	≤ 8