

Appendix A. Test Data

Duty Cycle						
Band	Frequency (MHz)	On time (ms)	On+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimun VBW (kHz)
BLE 1M	2402	0.400	0.626	63.898	1.945	2.500
BLE 2M	2402	0.214	0.624	34.295	4.648	4.673
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			
BLE 1M	2402	3.25	0.0021	3.48	0.0022	30.00	3.00	Tera Term
BLE 1M	2440	3.09	0.0020	3.31	0.0021	30.00	3.00	
BLE 1M	2480	3.09	0.0020	3.32	0.0021	30.00	3.00	
BLE 2M	2402	3.19	0.0021	3.48	0.0022	30.00	3.00	
BLE 2M	2440	3.03	0.0020	3.33	0.0022	30.00	3.00	
BLE 2M	2480	3.03	0.0020	3.34	0.0022	30.00	3.00	
BLR C2	2402	3.26	0.0021	3.48	0.0022	30.00	3.00	
BLR C2	2440	3.10	0.0020	3.32	0.0021	30.00	3.00	
BLR C2	2480	3.09	0.0020	3.33	0.0022	30.00	3.00	
BLR C8	2402	3.28	0.0021	3.49	0.0022	30.00	3.00	
BLR C8	2440	3.11	0.0020	3.34	0.0022	30.00	3.00	
BLR C8	2480	3.10	0.0020	3.34	0.0022	30.00	3.00	

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	2.071	1112.0000	≥ 500
BLE 2M	2440	2.086	1120.0000	≥ 500
BLE 2M	2480	2.077	1116.0000	≥ 500
BLR C8	2402	1.067	605.7000	≥ 500
BLR C8	2440	1.076	606.0000	≥ 500
BLR C8	2480	1.073	605.3000	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-14.150	≤ 8
BLE 2M	2440	-15.400	≤ 8
BLE 2M	2480	-14.480	≤ 8
BLR C8	2402	-2.960	≤ 8
BLR C8	2440	-2.950	≤ 8
BLR C8	2480	-3.110	≤ 8