

## 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 2M	2402	0.224	0.624	35.897	4.449	4.464
BLR C8	2402	3.152	3.760	83.830	0.766	0.317

**Maximum Conducted Output Power Measurement**

Test Mode	Frequency (MHz)	Average Power		Peak Power		Power Limit	Peak Gain	RF Power setting in Test Software	Test Software Version
		dBm	W	dBm	W				
BLE 1M	2402	3.09	0.0020	3.43	0.0022	30.00	3.50	Default	RTLBTAPP V5.2.3.24
BLE 1M	2440	2.97	0.0020	3.31	0.0021	30.00	3.50	Default	
BLE 1M	2480	2.29	0.0017	2.71	0.0019	30.00	3.50	Default	
BLE 2M	2402	3.49	0.0022	3.86	0.0024	30.00	3.50	Default	
BLE 2M	2440	3.36	0.0022	3.78	0.0024	30.00	3.50	Default	
BLE 2M	2480	2.68	0.0019	3.11	0.0020	30.00	3.50	Default	
BLR C2	2402	3.15	0.0021	3.49	0.0022	30.00	3.50	Default	
BLR C2	2440	3.01	0.0020	3.35	0.0022	30.00	3.50	Default	
BLR C2	2480	2.31	0.0017	2.74	0.0019	30.00	3.50	Default	
BLR C8	2402	3.18	0.0021	3.51	0.0022	30.00	3.50	Default	
BLR C8	2440	3.04	0.0020	3.37	0.0022	30.00	3.50	Default	
BLR C8	2480	2.35	0.0017	2.76	0.0019	30.00	3.50	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	2.062	1148.0000	$\geq 500$
BLE 2M	2440	2.046	964.7000	$\geq 500$
BLE 2M	2480	2.059	1149.0000	$\geq 500$
BLR C8	2402	1.049	601.8000	$\geq 500$
BLR C8	2440	1.049	601.1000	$\geq 500$
BLR C8	2480	1.049	603.0000	$\geq 500$

**Maximum Power Density Measurement**

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-15.138	$\leq 8$
BLE 2M	2440	-14.149	$\leq 8$
BLE 2M	2480	-16.608	$\leq 8$
BLR C8	2402	-3.730	$\leq 8$
BLR C8	2440	-4.380	$\leq 8$
BLR C8	2480	-5.028	$\leq 8$