

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	2.160	2.500	86.400	0.635	0.463
BLE 2M	2402	1.096	1.872	58.547	2.325	0.912
BLR C2	2402	4.620	5.000	92.400	0.343	0.216
BLR C8	2402	17.220	17.500	98.400	0.070	0.010

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	11.32	0.0136	11.89	0.0155	30.00	13.00	Buffalo Lab Dev Cube/1.8.4
BLE 1M	2440	11.86	0.0154	12.36	0.0172	30.00	14.00	
BLE 1M	2478	11.71	0.0148	12.13	0.0163	30.00	14.00	
BLE 1M	2480	6.21	0.0042	7.23	0.0053	30.00	7.00	
BLE 2M	2402	11.59	0.0144	12.37	0.0173	30.00	14.00	
BLE 2M	2440	11.64	0.0146	12.42	0.0175	30.00	14.00	
BLE 2M	2478	11.66	0.0147	12.06	0.0161	30.00	14.00	
BLE 2M	2480	7.08	0.0051	7.92	0.0062	30.00	8.00	
BLR C2	2402	11.91	0.0155	12.31	0.0170	30.00	13.00	
BLR C2	2440	11.96	0.0157	12.34	0.0171	30.00	14.00	
BLR C2	2478	11.70	0.0148	12.09	0.0162	30.00	14.00	
BLR C2	2480	6.20	0.0042	7.25	0.0053	30.00	7.00	
BLR C8	2402	11.37	0.0137	11.85	0.0153	30.00	13.00	
BLR C8	2440	12.02	0.0159	12.39	0.0173	30.00	14.00	
BLR C8	2478	11.71	0.0148	12.14	0.0164	30.00	14.00	
BLR C8	2480	6.21	0.0042	7.24	0.0053	30.00	7.00	

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	2.073	1173.0000	≥ 500
BLE 2M	2440	2.097	1171.0000	≥ 500
BLE 2M	2478	2.101	1178.0000	≥ 500
BLE 2M	2480	2.101	1181.0000	≥ 500
BLR C8	2402	1.061	637.4000	≥ 500
BLR C8	2440	1.065	641.1000	≥ 500
BLR C8	2478	1.065	685.3000	≥ 500
BLR C8	2480	1.068	648.6000	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 2M	2402	-8.540	≤ 8
BLE 2M	2440	-6.240	≤ 8
BLE 2M	2478	-9.100	≤ 8
BLE 2M	2480	-10.200	≤ 8
BLR C8	2402	5.170	≤ 8
BLR C8	2440	5.860	≤ 8
BLR C8	2478	5.470	≤ 8
BLR C8	2480	5.400	≤ 8