

Appendix A. Test Data Right

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	0.440	0.622	70.740	1.503	2.273
BLE 2M	2402	0.254	0.622	40.836	3.890	3.937

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	6.89	0.0049	7.23	0.0053	30.00	0x00	AWBTRDLAB/1.0.3.1
BLE 1M	2440	6.61	0.0046	6.96	0.0050	30.00	0x00	
BLE 1M	2480	6.88	0.0049	7.22	0.0053	30.00	0x00	
BLE 2M	2402	6.89	0.0049	7.24	0.0053	30.00	0x00	
BLE 2M	2440	6.62	0.0046	6.98	0.0050	30.00	0x00	
BLE 2M	2480	6.91	0.0049	7.25	0.0053	30.00	0x00	

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 1M	2402	1.0317	673.8	≥ 500
BLE 1M	2440	1.0300	678.2	≥ 500
BLE 1M	2480	1.0310	678.0	≥ 500
BLE 2M	2402	2.0047	1204	≥ 500
BLE 2M	2440	2.0032	1201	≥ 500
BLE 2M	2480	2.0049	1202	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 1M	2402	-7.04	≤ 8
BLE 1M	2440	-7.11	≤ 8
BLE 1M	2480	-7.16	≤ 8
BLE 2M	2402	-2.77	≤ 8
BLE 2M	2440	-2.01	≤ 8
BLE 2M	2480	-1.88	≤ 8

Left

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	0.437	0.601	72.712	1.384	2.288
BLE 2M	2402	0.254	0.625	40.640	3.910	3.937

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	7.86	0.0061	8.33	0.0068	30.00	0x00	AWBTRDLAB/1.0.3.1
BLE 1M	2440	7.83	0.0061	8.25	0.0067	30.00	0x00	
BLE 1M	2480	8.01	0.0063	8.45	0.0070	30.00	0x00	
BLE 2M	2402	8.01	0.0063	8.32	0.0068	30.00	0x00	
BLE 2M	2440	7.96	0.0063	8.26	0.0067	30.00	0x00	
BLE 2M	2480	8.16	0.0065	8.46	0.0070	30.00	0x00	

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 1M	2402	1.0322	673.7	≥ 500
BLE 1M	2440	1.0326	678.7	≥ 500
BLE 1M	2480	1.0336	679.6	≥ 500
BLE 2M	2402	2.0041	1206	≥ 500
BLE 2M	2440	2.0053	1200	≥ 500
BLE 2M	2480	2.0056	1209	≥ 500

Maximum Power Density Measurement			
Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
BLE 1M	2402	-5.89	≤ 8
BLE 1M	2440	-5.33	≤ 8
BLE 1M	2480	-5.18	≤ 8
BLE 2M	2402	-3.48	≤ 8
BLE 2M	2440	-2.17	≤ 8
BLE 2M	2480	-1.10	≤ 8