

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)
Zigbee	2405	1.200	10.000	12.000	9.208	0.833

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			
Zigbee	2405	11.62	0.0145	12.45	0.0176	30.00	14.00	Buffalo Lab Dev Cube/1.8.4
Zigbee	2440	11.60	0.0144	12.41	0.0174	30.00	14.00	
Zigbee	2475	11.42	0.0139	12.23	0.0167	30.00	14.00	
Zigbee	2480	5.95	0.0039	7.28	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)
Zigbee	2405	2.217	1534.0000	≥ 500
Zigbee	2440	2.225	1560.0000	≥ 500
Zigbee	2475	2.217	1515.0000	≥ 500
Zigbee	2480	2.211	1306.0000	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
Zigbee	2405	-1.630	≤ 8
Zigbee	2440	-1.440	≤ 8
Zigbee	2475	-1.390	≤ 8
Zigbee	2480	-6.710	≤ 8