

Appendix B

Report No.:	CISRR24101103802
FCC ID:	2BLPG-DX-WF24
Product Name:	WiFi module
Model No.:	DX-WF24
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

1) Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	Result
BLE 1M	0	8.40	≤30	PASS
	19	8.29	≤30	PASS
	39	8.82	≤30	PASS

Test Graphs

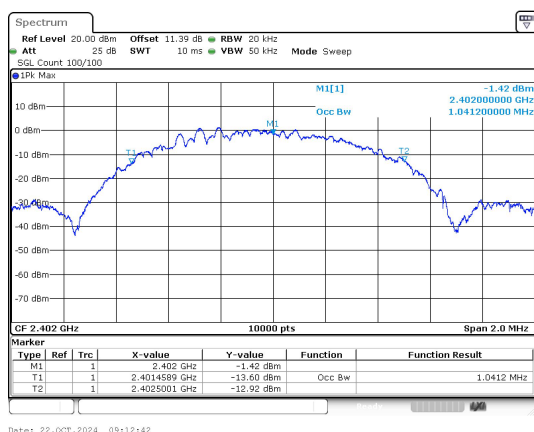


2) 99% Bandwidth

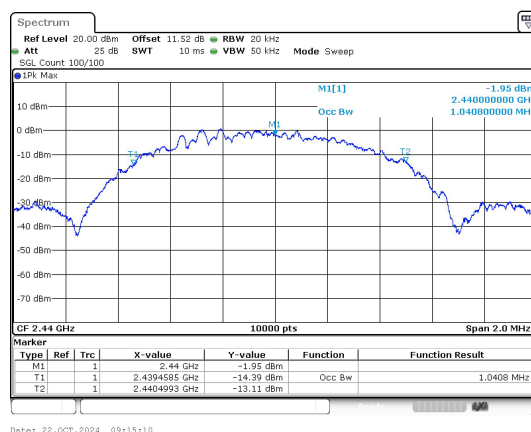
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0412
BLE 1M	19	2440	1.0408
BLE 1M	39	2480	1.0404

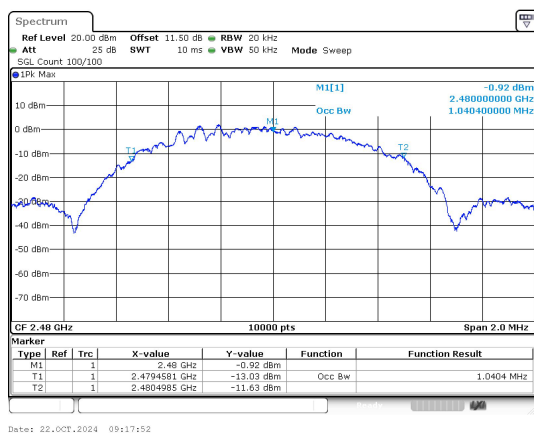
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



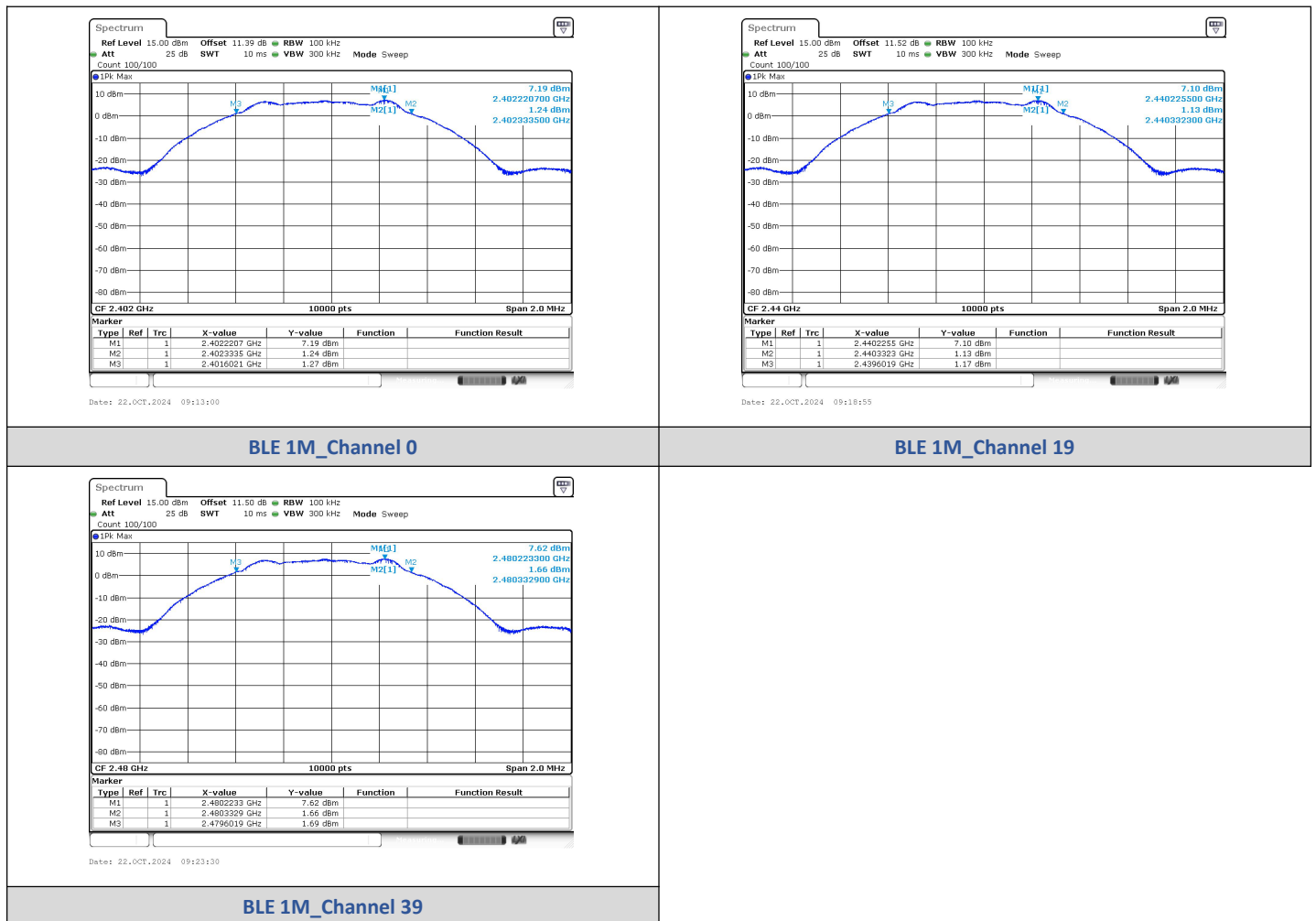
BLE 1M_Channel 39

3) 6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.7300	≥0.5	PASS
	19	2440	0.7300		PASS
	39	2480	0.7300		PASS

Test Graphs

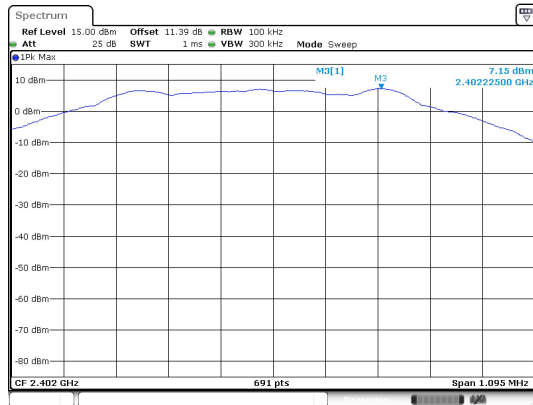


4) Conducted Out Of Band Emission

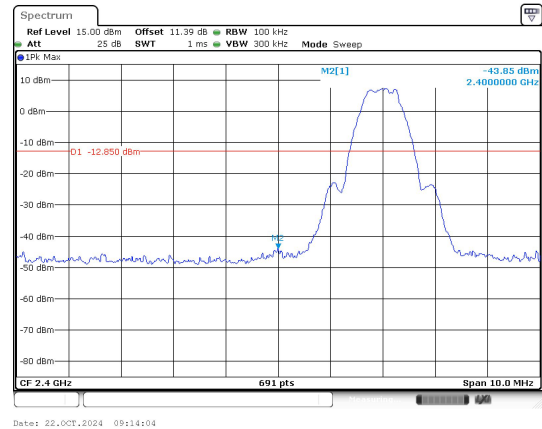
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2392.58	-48.543	-12.85	-35.693	PASS
		2400.00	-43.850	-12.85	-31.000	PASS
	19	6947.94	-52.078	-13.47	-38.608	PASS
	39	2483.50	-47.040	-11.63	-35.410	PASS
		2490.79	-47.710	-11.63	-36.080	PASS

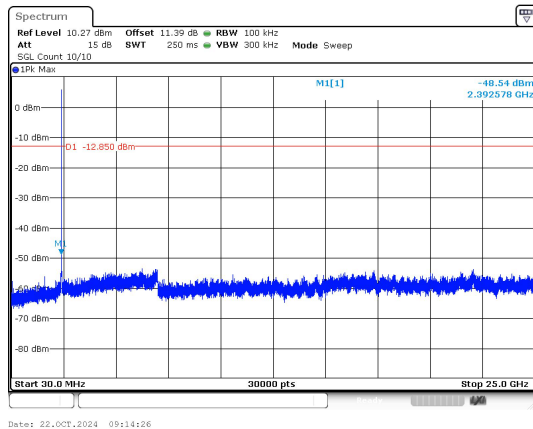
Test Graphs



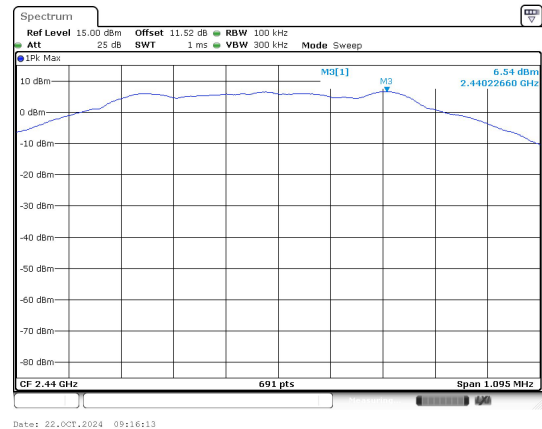
**In-Band Reference Level
BLE 1M_Channel 0**



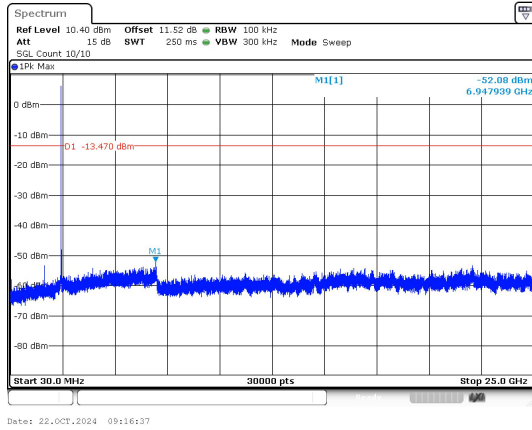
**Out Of Band Emission
BLE 1M_Channel 0**



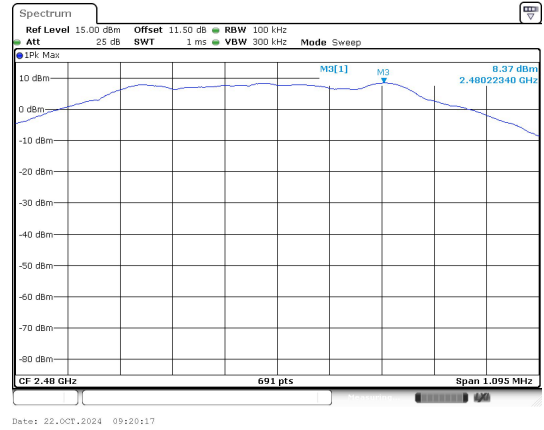
**30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0**



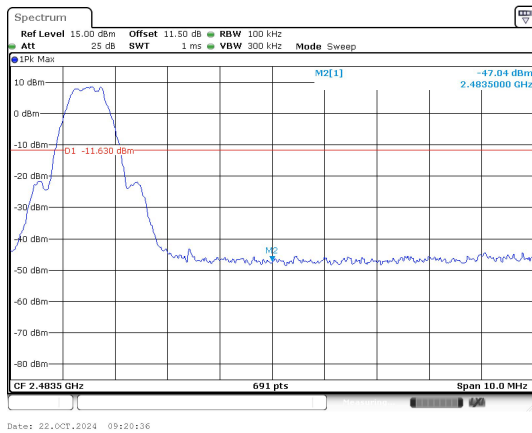
**In-Band Reference Level
BLE 1M_Channel 19**



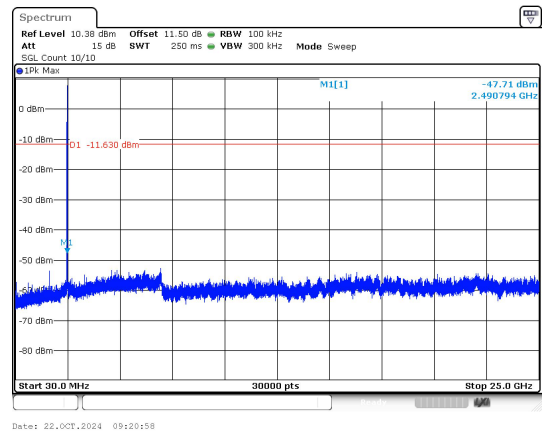
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



Out Of Band Emission
BLE 1M_Channel 39



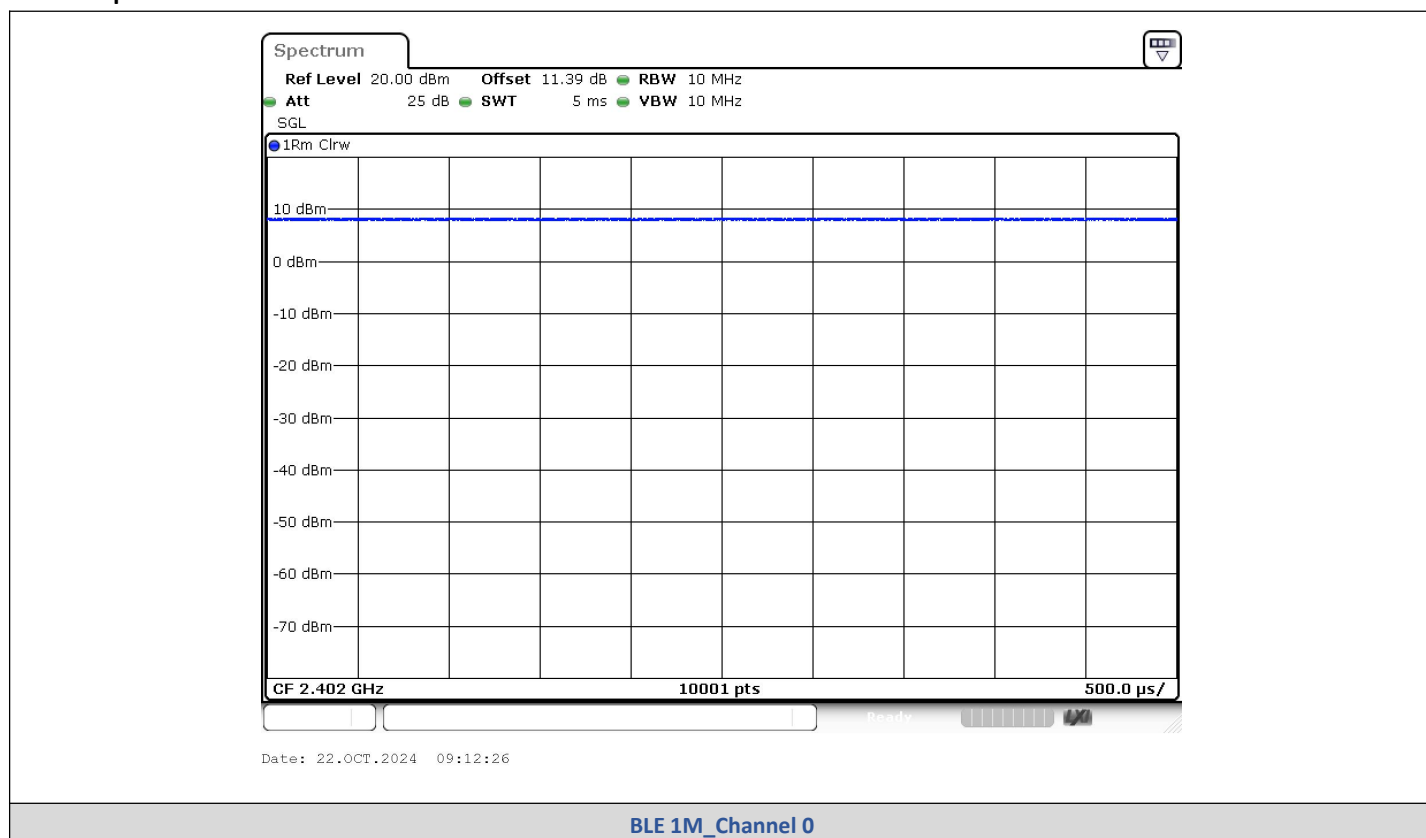
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39

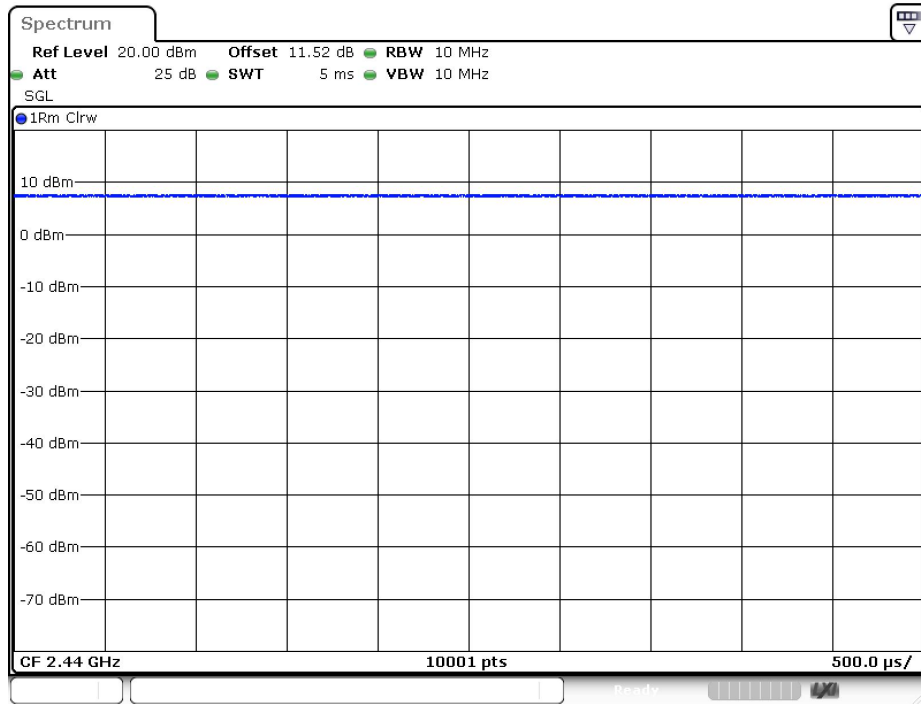
5) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	5.000	5.000	100	1	0.0	0.2000
	19	5.000	5.000	100	1	0.0	0.2000
	39	5.000	5.000	100	1	0.0	0.2000

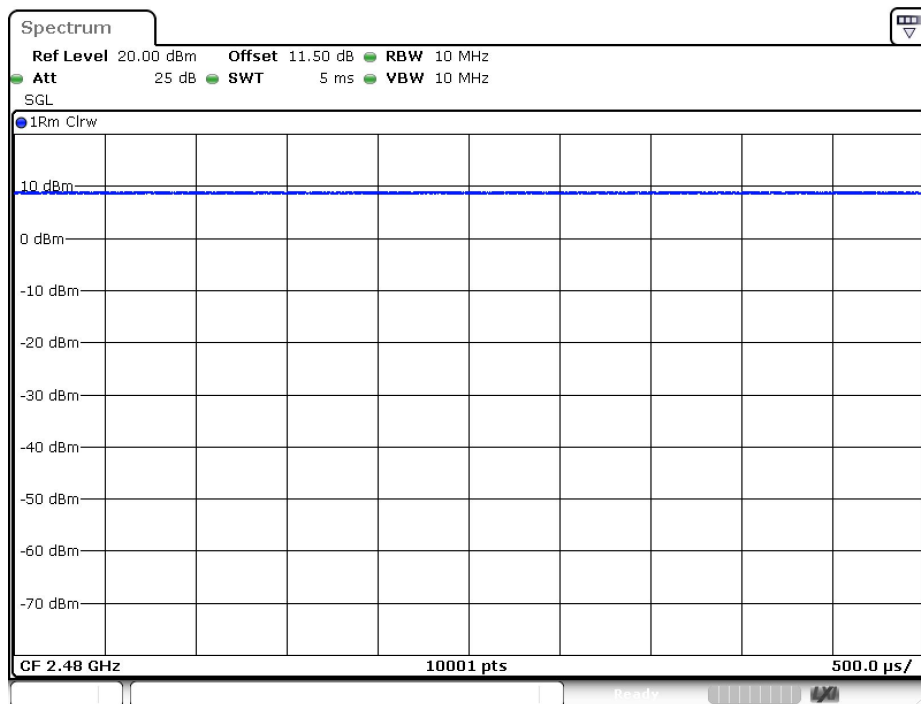
Test Graphs





Date: 22.OCT.2024 09:14:54

BLE 1M_Channel 19



Date: 22.OCT.2024 09:17:36

BLE 1M_Channel 39

6) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-8.930	≤8	PASS
BLE 1M	19	-8.770	≤8	PASS
BLE 1M	39	-7.700	≤8	PASS

Test Graphs

