

# Appendix Report

Report No.: CISRR25031310002

Test Engineer: Mark Fu

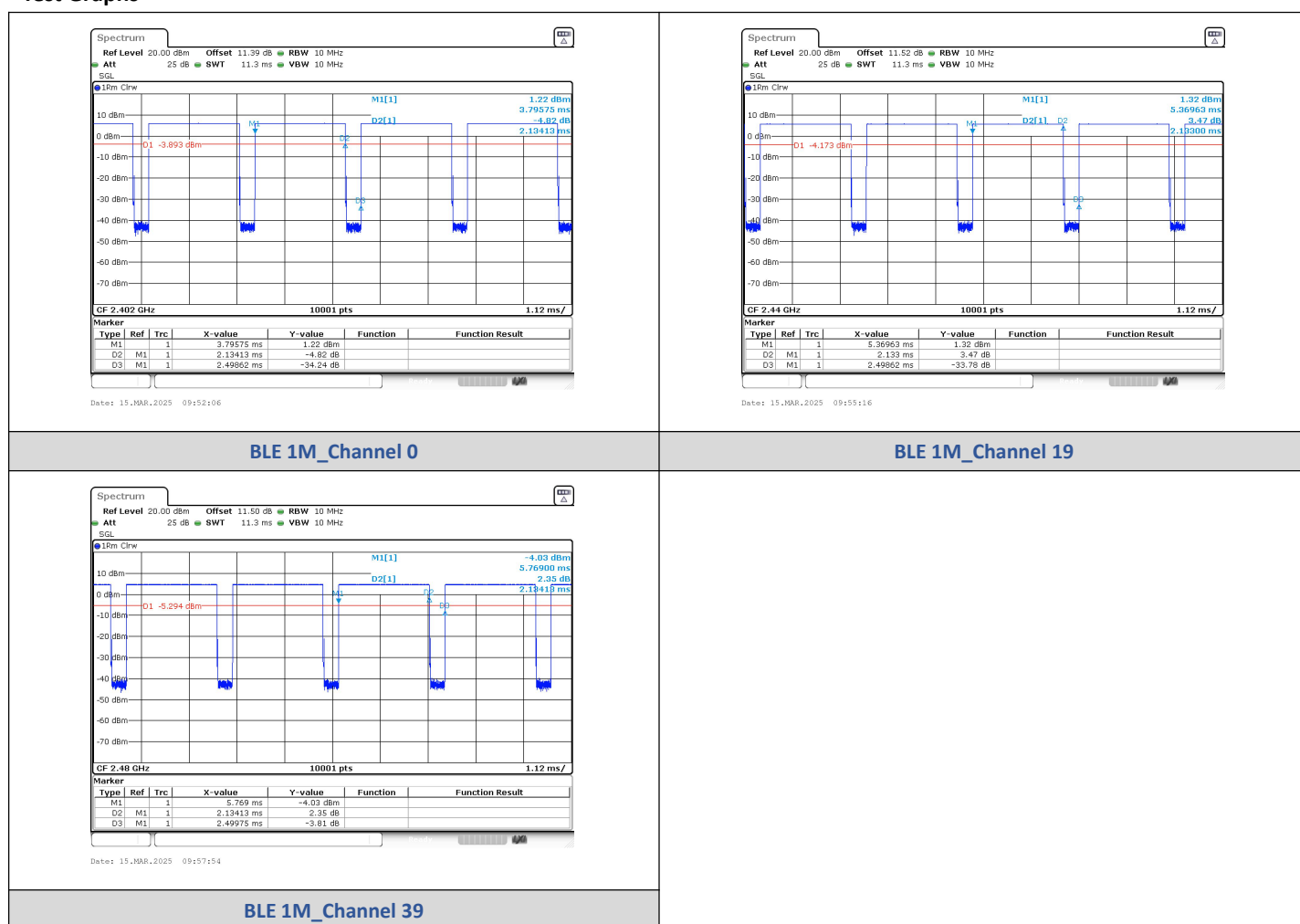
Supervised by: Rory Huang

# 1) 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	2.134	2.499	85.41	0.8541	0.6849	0.4686
	19	2.133	2.499	85.37	0.8537	0.6869	0.4688
	39	2.134	2.500	85.37	0.8537	0.6869	0.4686

## Test Graphs

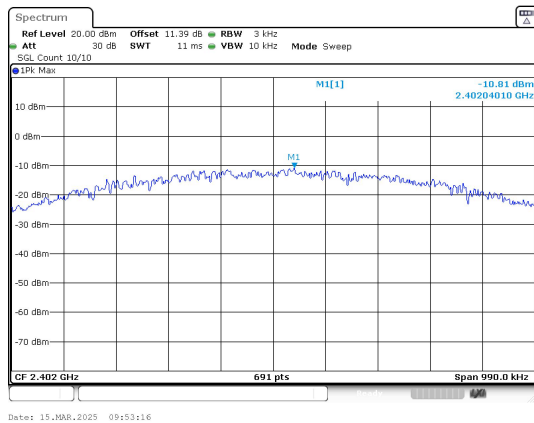


## 2) Power Spectral Density

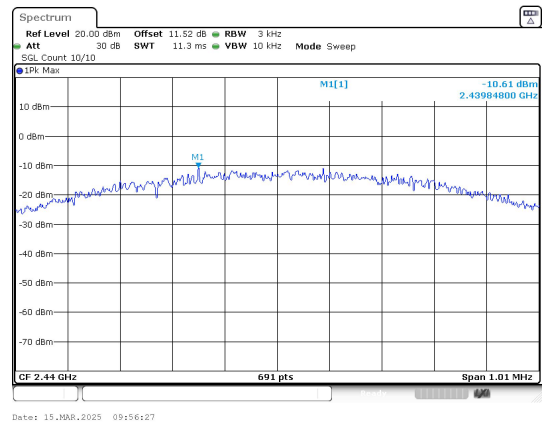
### Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-10.810	≤8	PASS
BLE 1M	19	-10.610	≤8	PASS
BLE 1M	39	-12.110	≤8	PASS

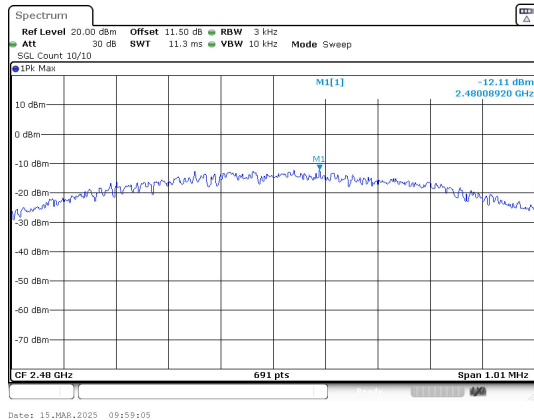
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



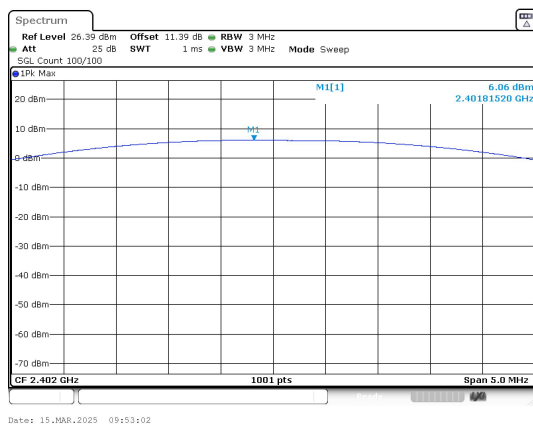
BLE 1M\_Channel 39

### 3) Conducted Output Power

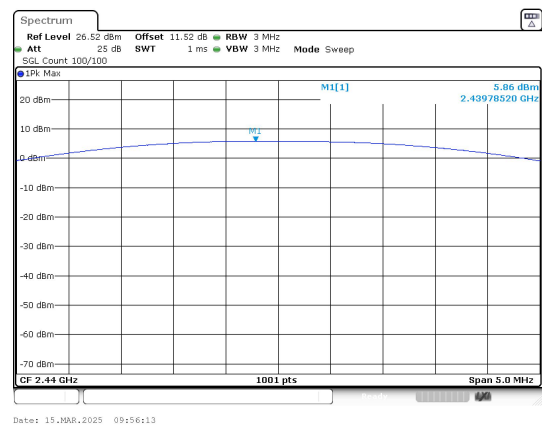
#### Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Result
BLE 1M	0	6.06	4.04	PASS
	19	5.86	3.85	PASS
	39	4.77	3.0	PASS

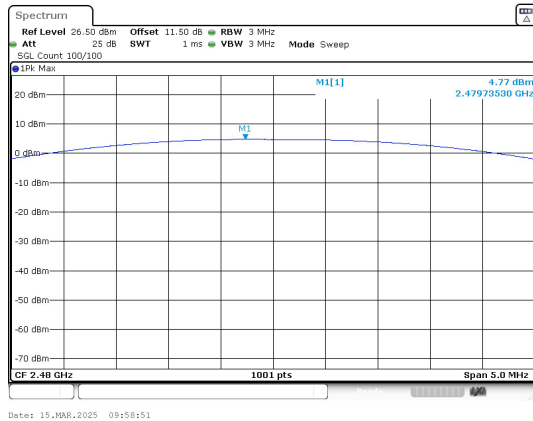
#### Test Graphs



Peak Output Power  
BLE 1M\_Channel 0



Peak Output Power  
BLE 1M\_Channel 19



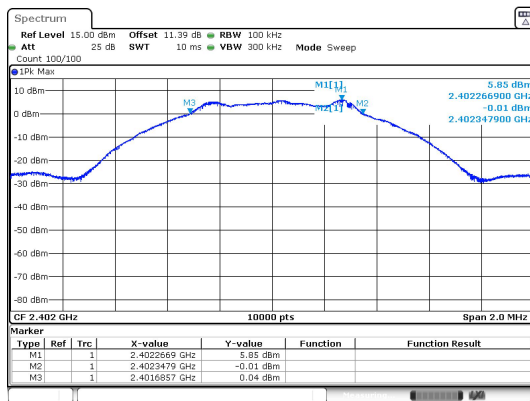
Peak Output Power  
BLE 1M\_Channel 39

## 4) 6dB Bandwidth

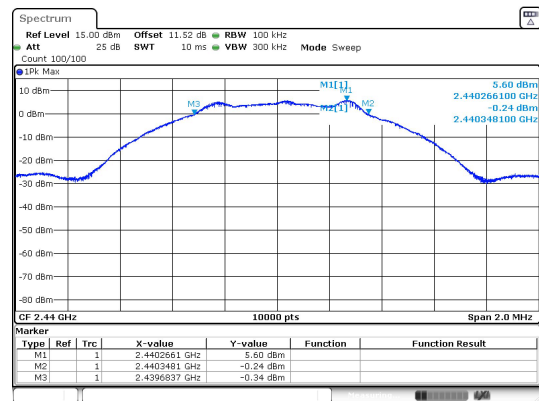
### Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6700		PASS
	39	2480	0.6700		PASS

### Test Graphs



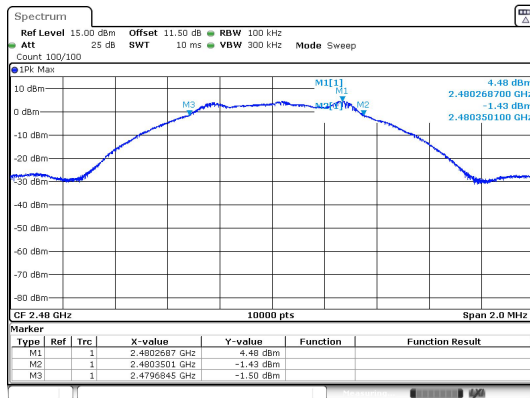
Date: 15.MAR.2025 09:52:46



Date: 15.MAR.2025 09:55:57

BLE 1M\_Channel 0

BLE 1M\_Channel 19



Date: 15.MAR.2025 09:58:35

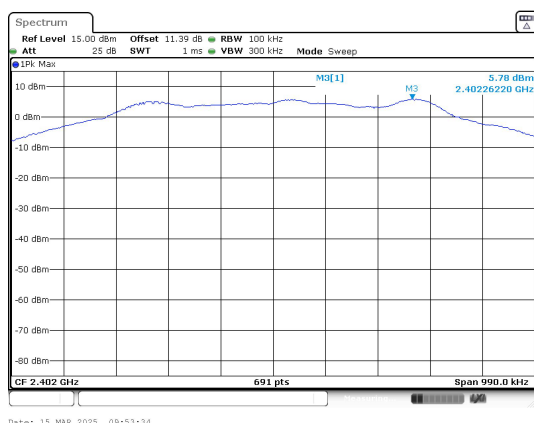
BLE 1M\_Channel 39

## 5) Conducted Out Of Band Emission

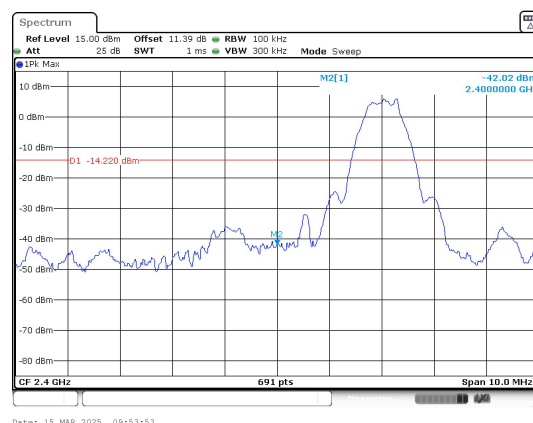
### Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-36.223	-14.22	-22.003	PASS
		2400.00	-42.020	-14.22	-27.800	PASS
		7206.80	-41.729	-14.22	-27.509	PASS
	19	9753.73	-41.494	-14.41	-27.084	PASS
	39	2483.50	-43.400	-15.5	-27.900	PASS
		9914.37	-38.265	-15.5	-22.765	PASS

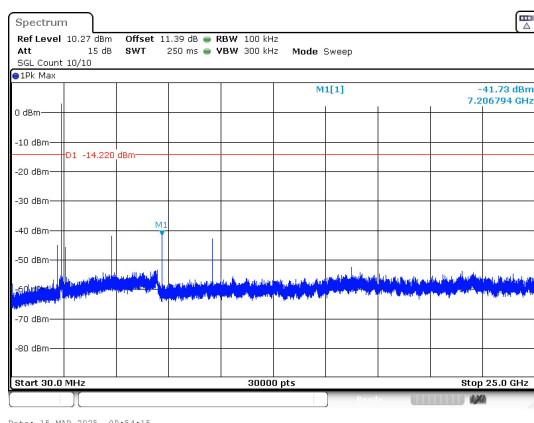
### Test Graphs



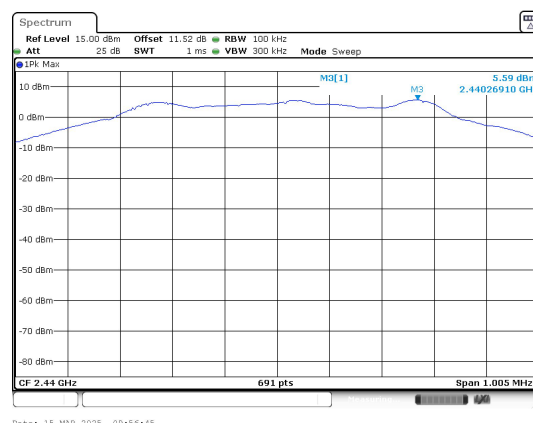
**In-Band Reference Level**  
**BLE 1M\_Channel 0**



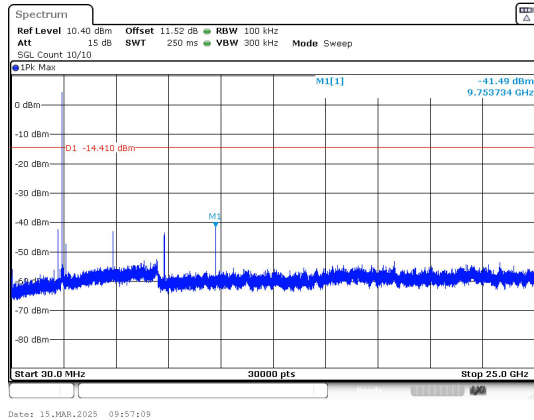
**Out Of Band Emission**  
**BLE 1M\_Channel 0**



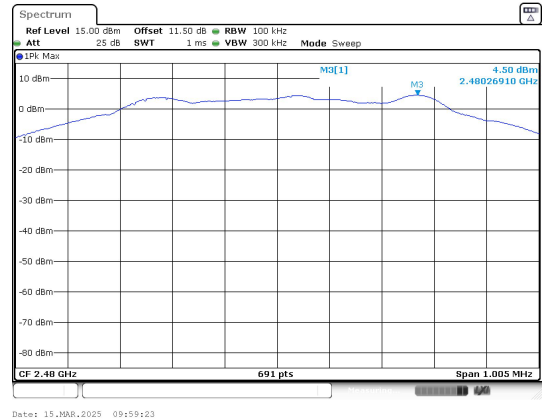
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 0**



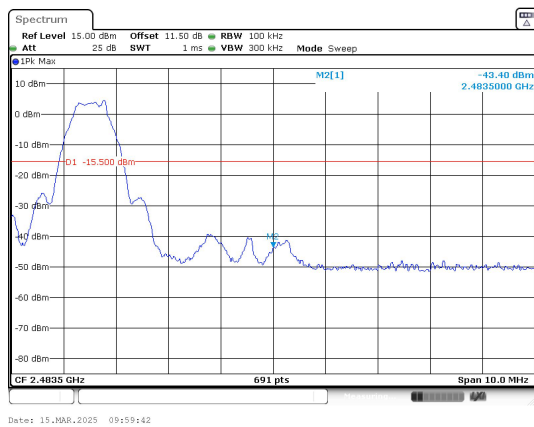
**In-Band Reference Level**  
**BLE 1M\_Channel 19**



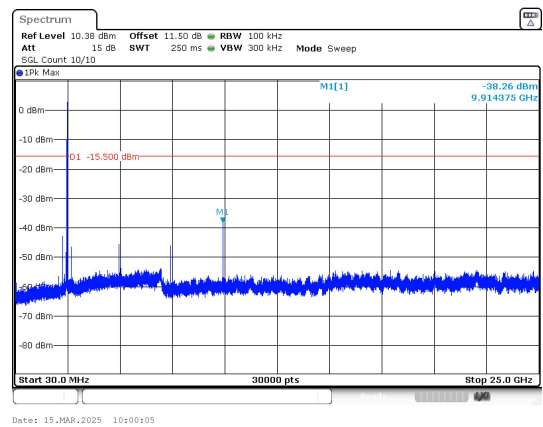
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 19**



**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**

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