

# Appendix Report

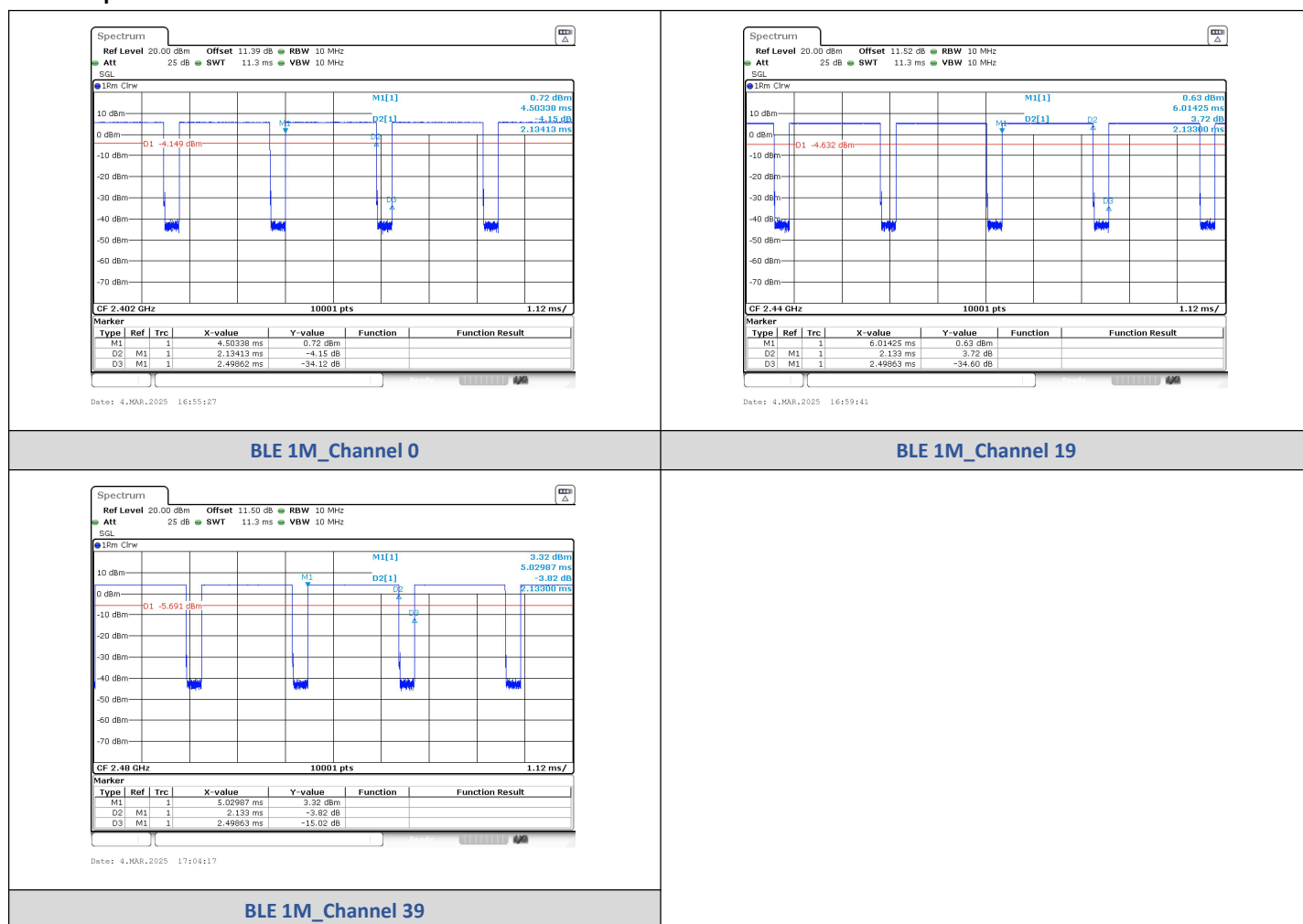
Report No.:	CISRR25030302206
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

# 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	2.133	2.499	85.37	0.8537	0.6869	0.4688

## Test Graphs

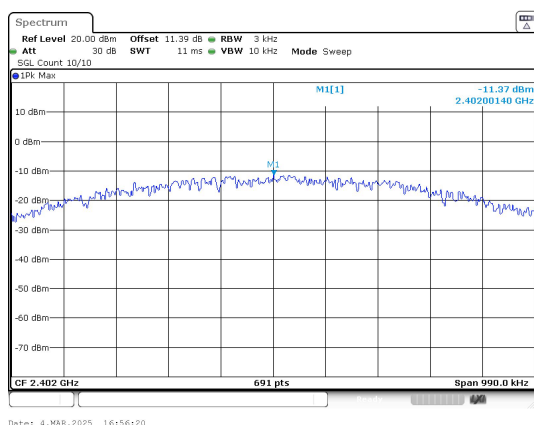


## 2) Power Spectral Density

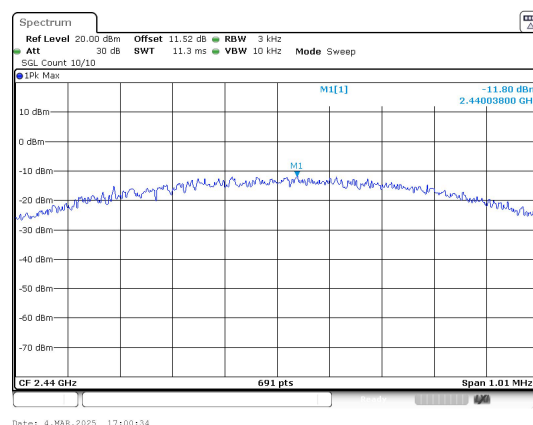
### Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-11.370	≤8	PASS
BLE 1M	19	-11.800	≤8	PASS
BLE 1M	39	-12.560	≤8	PASS

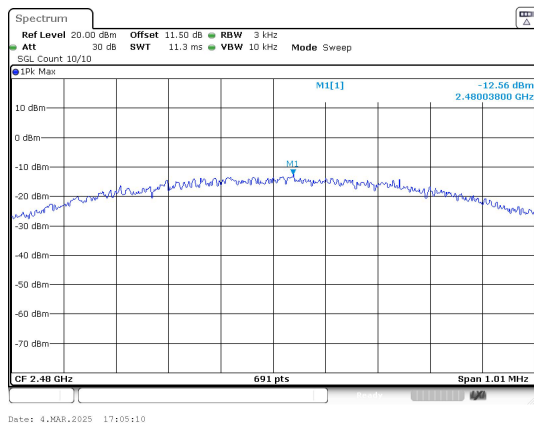
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



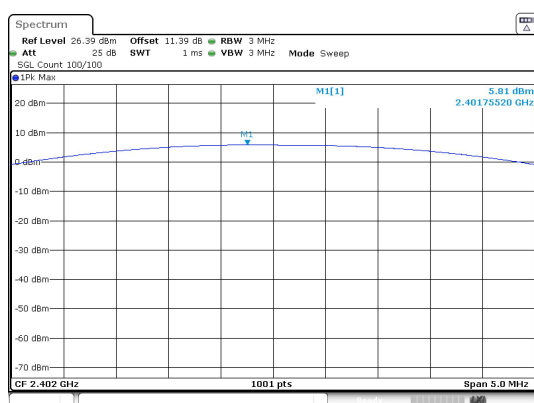
BLE 1M\_Channel 39

### 3) Conducted Output Power

#### Test Result

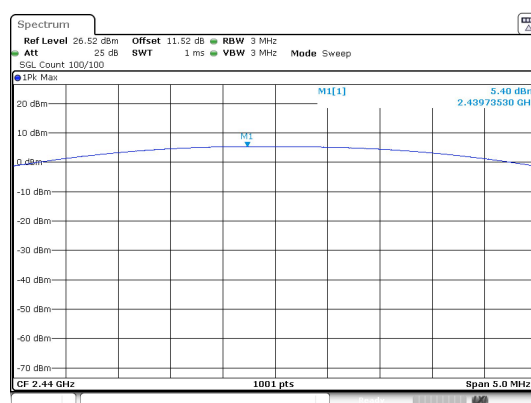
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	5.81	3.81	≤30	PASS
	19	5.40	3.47	≤30	PASS
	39	4.32	2.7	≤30	PASS

#### Test Graphs



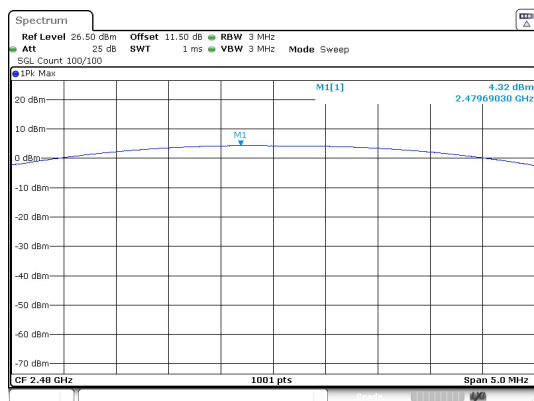
Date: 4.MAR.2025 16:56:06

Peak Output Power  
BLE 1M\_Channel 0



Date: 4.MAR.2025 17:00:19

Peak Output Power  
BLE 1M\_Channel 19



Date: 4.MAR.2025 17:04:56

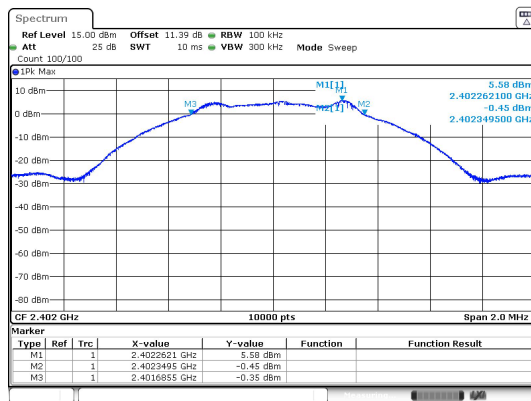
Peak Output Power  
BLE 1M\_Channel 39

## 4) 6dB Bandwidth

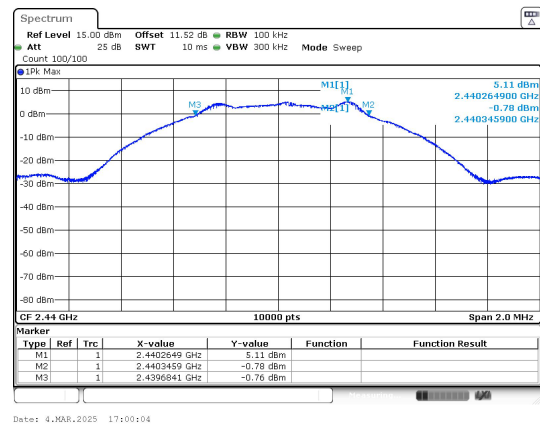
### Test Result

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

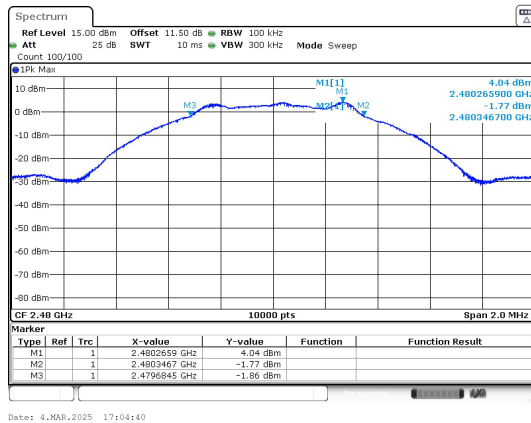
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



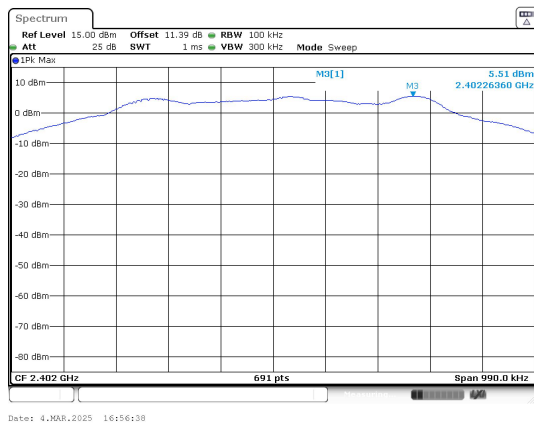
BLE 1M\_Channel 39

## 5) Conducted Out Of Band Emission

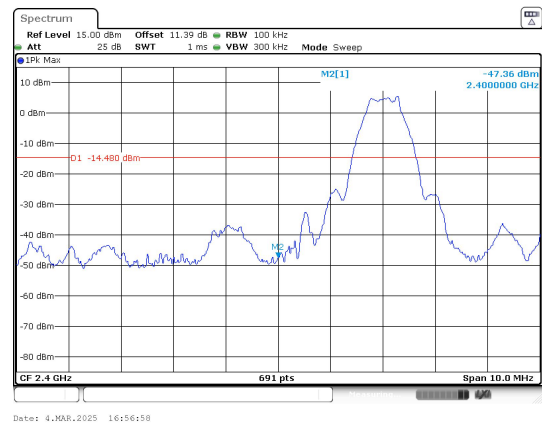
### Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-37.578	-14.48	-23.098	PASS
		2400.00	-47.360	-14.48	-32.880	PASS
		7205.10	-41.867	-14.48	-27.387	PASS
	19	9753.73	-40.508	-14.9	-25.608	PASS
	39	2483.50	-44.560	-15.98	-28.580	PASS
		9914.37	-37.381	-15.98	-21.401	PASS

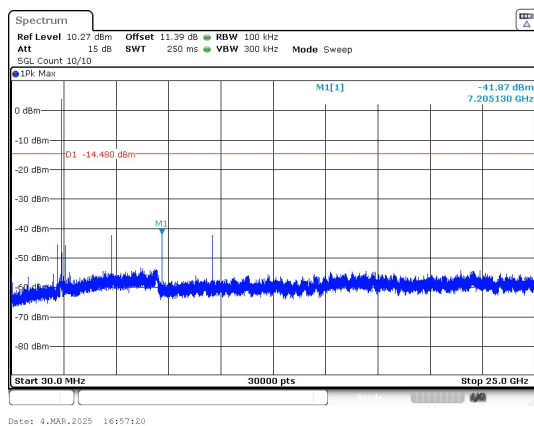
### Test Graphs



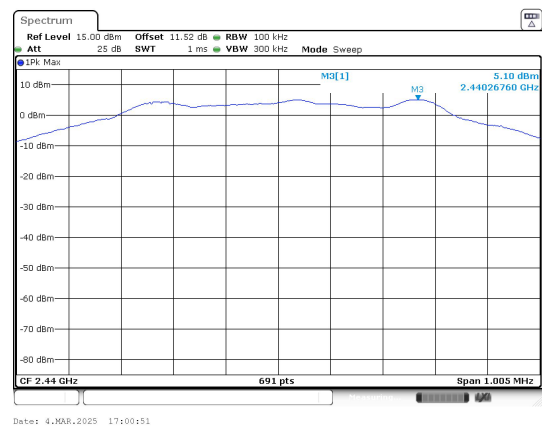
**In-Band Reference Level**  
**BLE 1M\_Channel 0**



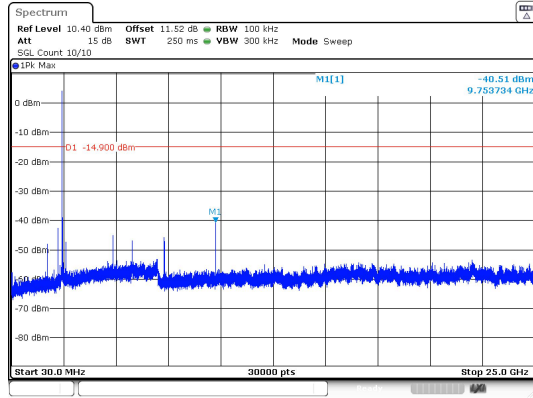
**Out Of Band Emission**  
**BLE 1M\_Channel 0**



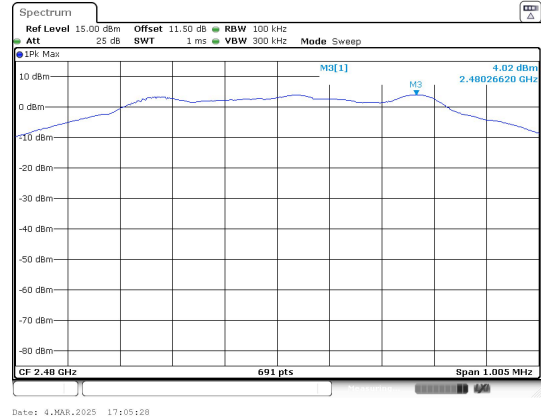
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 0**



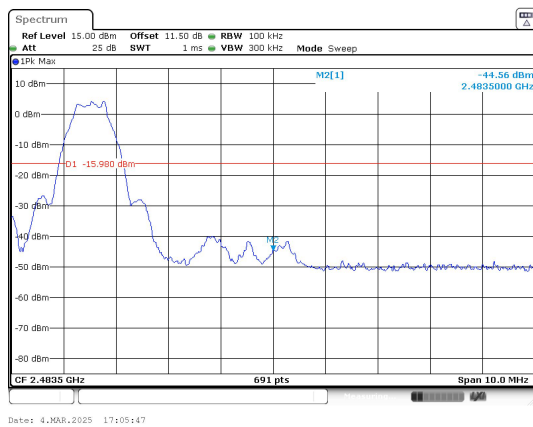
**In-Band Reference Level**  
**BLE 1M\_Channel 19**



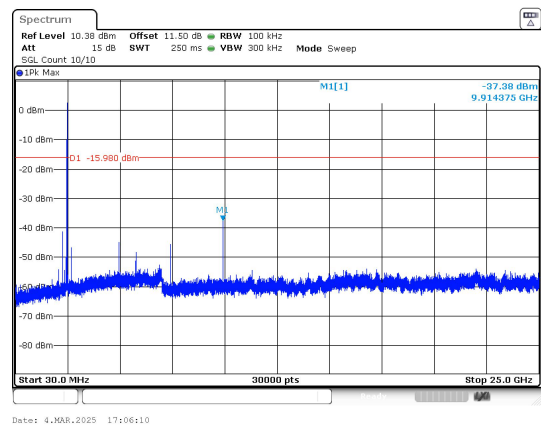
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 19**



**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**

-----End of the report-----