

# Appendix Report

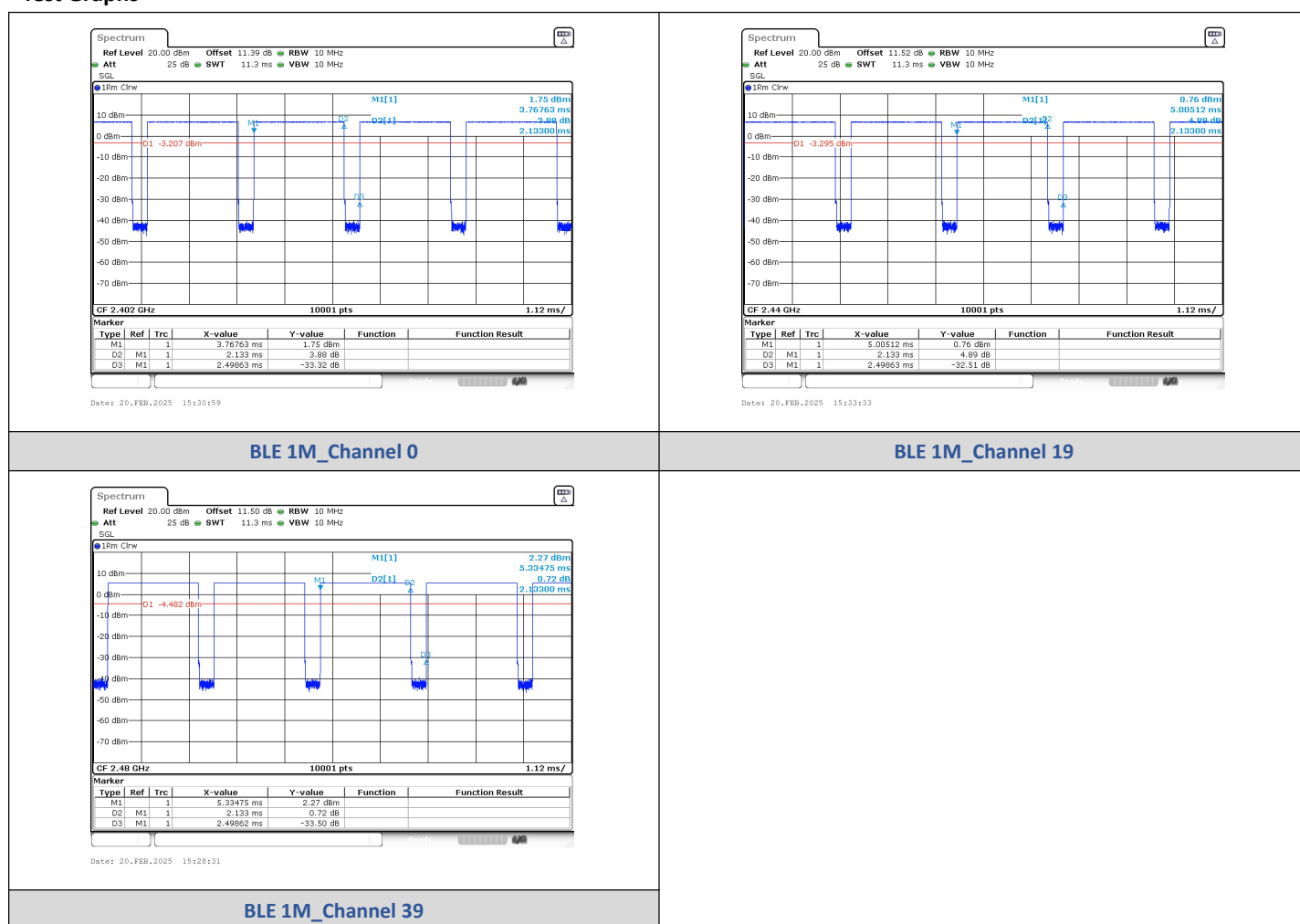
Report No.:	CISRR25021705605
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

# 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	2.133	2.499	85.37	0.8537	0.6869	0.4688
	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

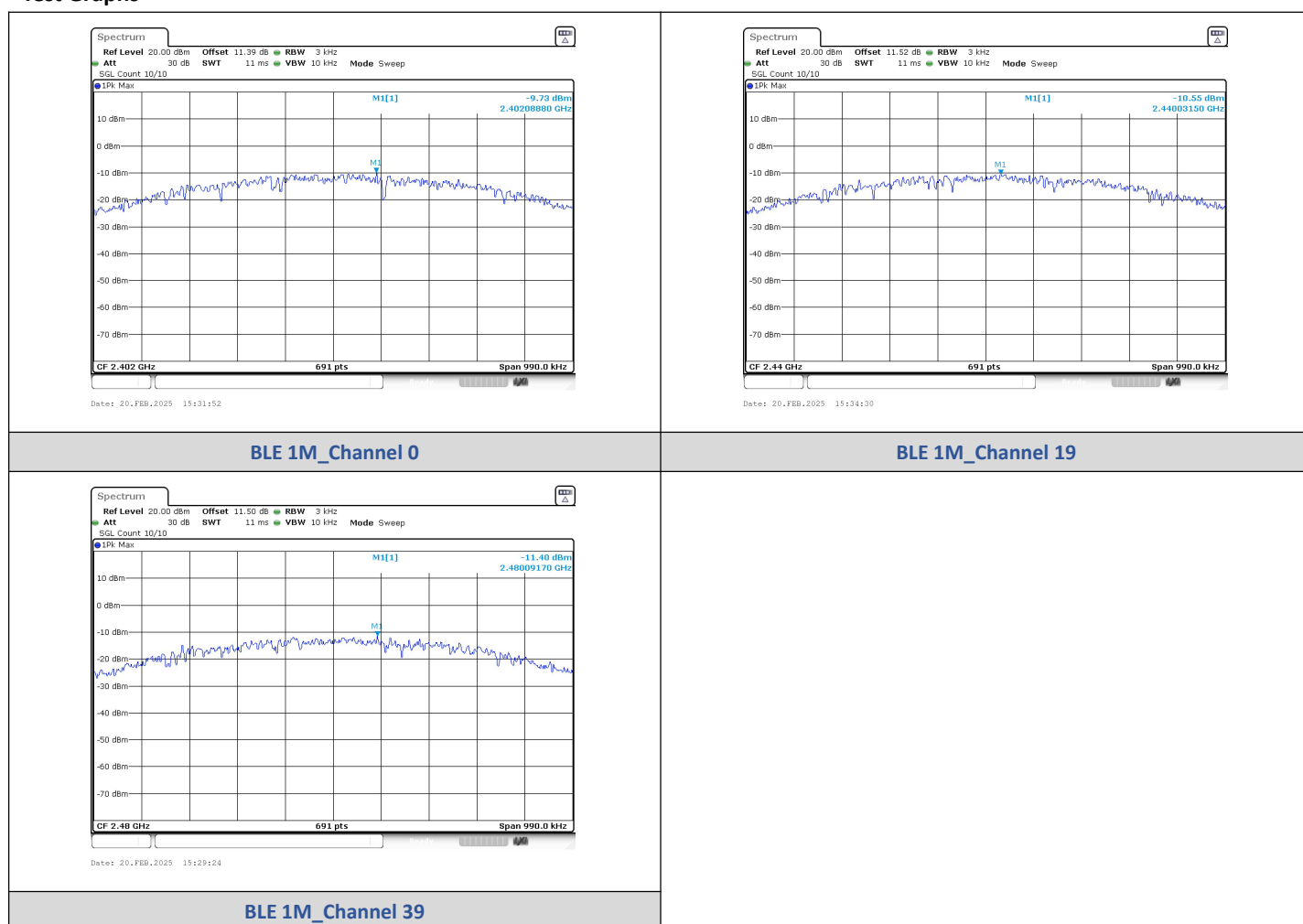


## 2) Power Spectral Density

### Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-9.730	≤8	PASS
BLE 1M	19	-10.550	≤8	PASS
BLE 1M	39	-11.400	≤8	PASS

### Test Graphs

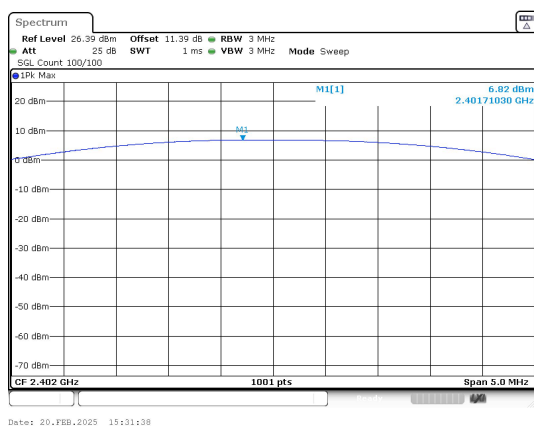


### 3) Conducted Output Power

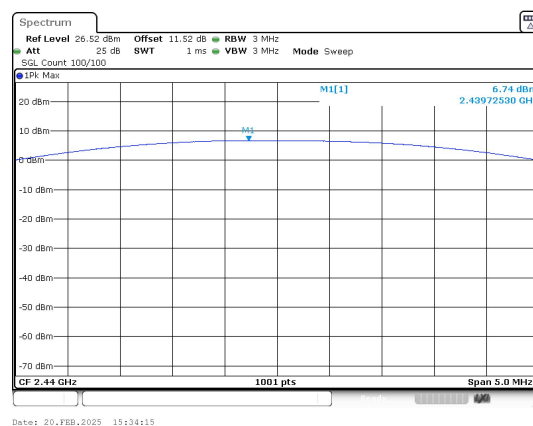
#### Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	6.82	4.81	≤30	PASS
	19	6.74	4.72	≤30	PASS
	39	5.44	3.5	≤30	PASS

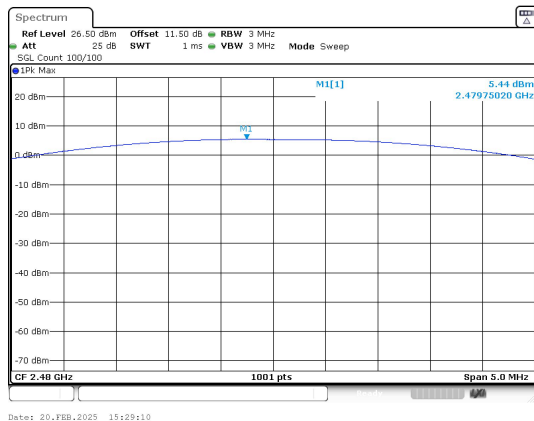
#### Test Graphs



Peak Output Power  
BLE 1M\_Channel 0



Peak Output Power  
BLE 1M\_Channel 19



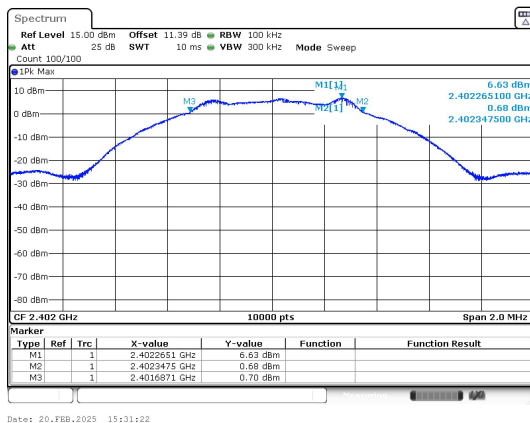
Peak Output Power  
BLE 1M\_Channel 39

## 4) 6dB Bandwidth

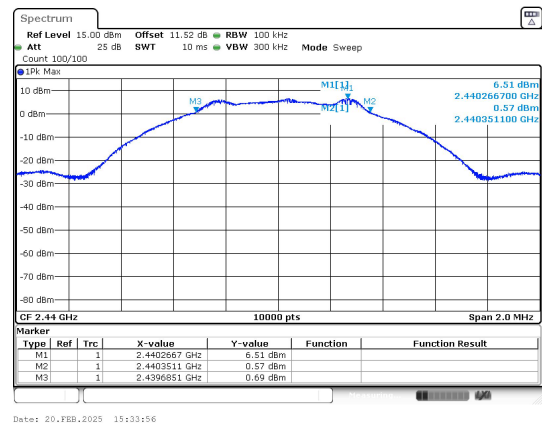
### Test Result

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

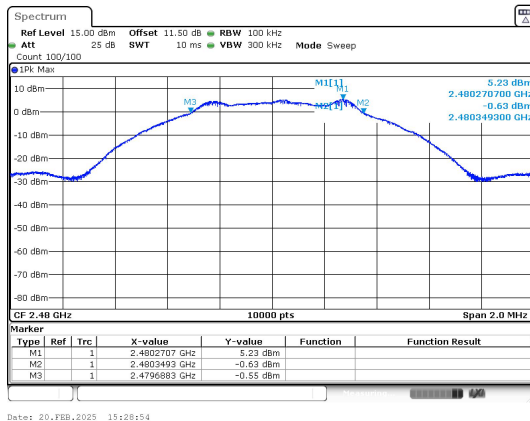
### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



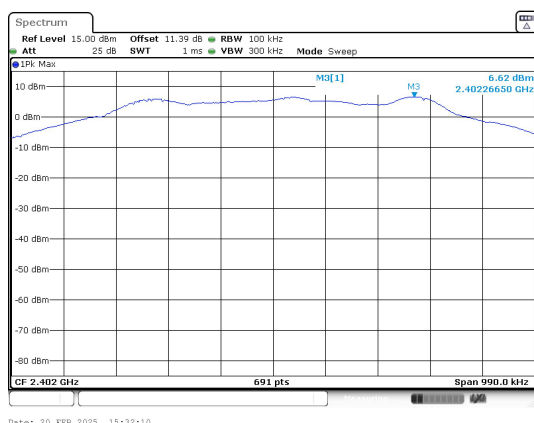
BLE 1M\_Channel 39

## 5) Conducted Out Of Band Emission

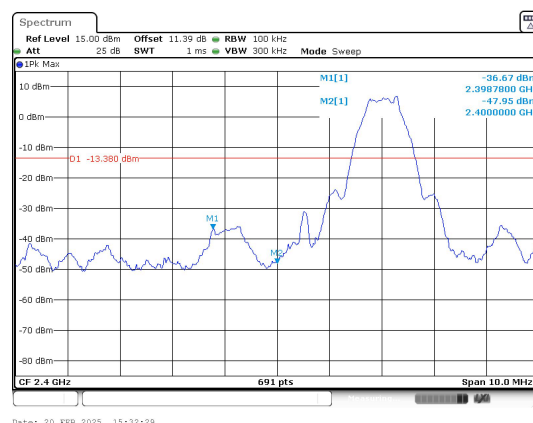
### Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.78	-36.673	-13.38	-23.293	PASS
		2400.00	-47.950	-13.38	-34.570	PASS
		9602.20	-40.707	-13.38	-27.327	PASS
	19	9753.73	-38.892	-13.5	-25.392	PASS
	39	2483.50	-44.200	-14.8	-29.400	PASS
		9914.37	-36.520	-14.8	-21.720	PASS

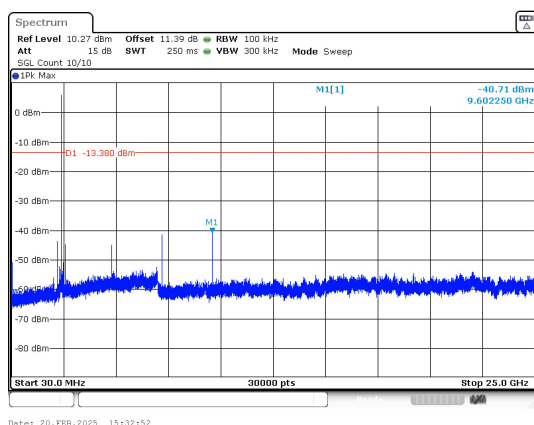
### Test Graphs



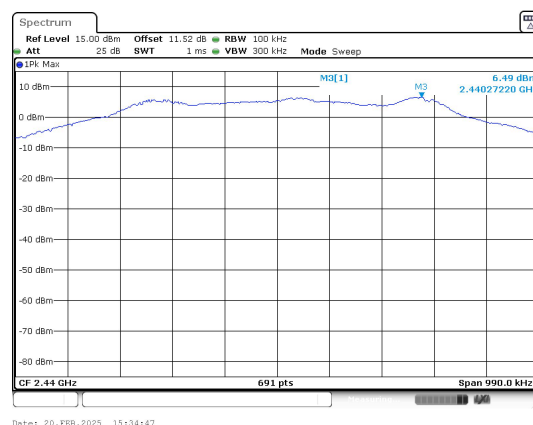
**In-Band Reference Level**  
**BLE 1M\_Channel 0**



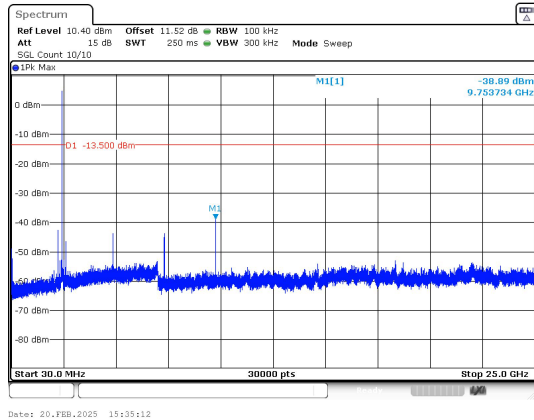
**Out Of Band Emission**  
**BLE 1M\_Channel 0**



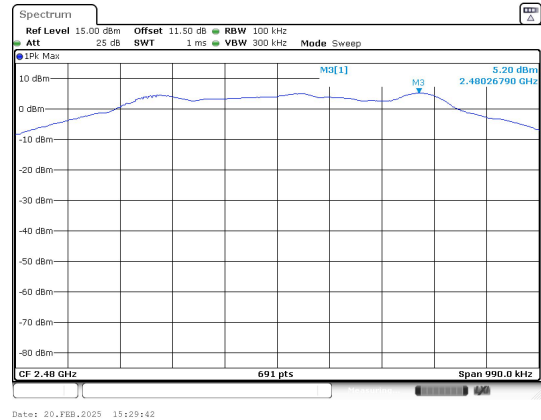
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 0**



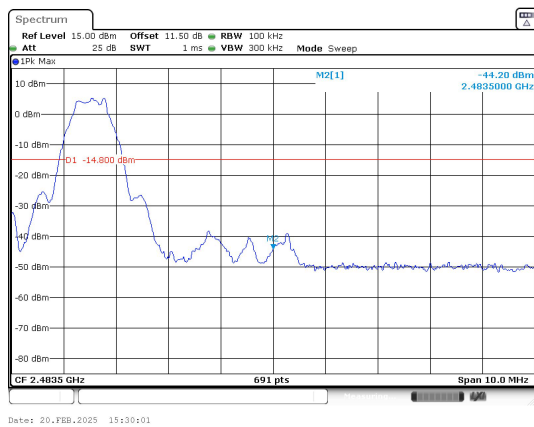
**In-Band Reference Level**  
**BLE 1M\_Channel 19**



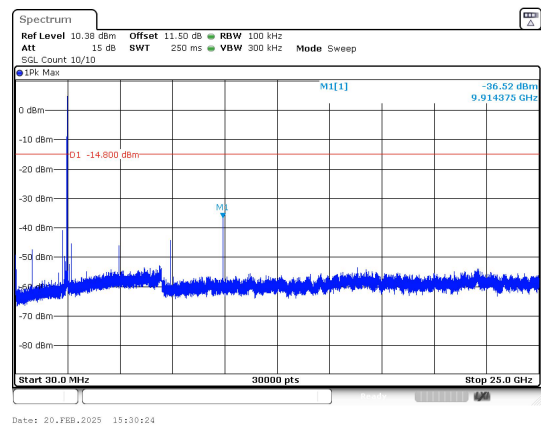
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 19**



**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-----