

# Appendix Report

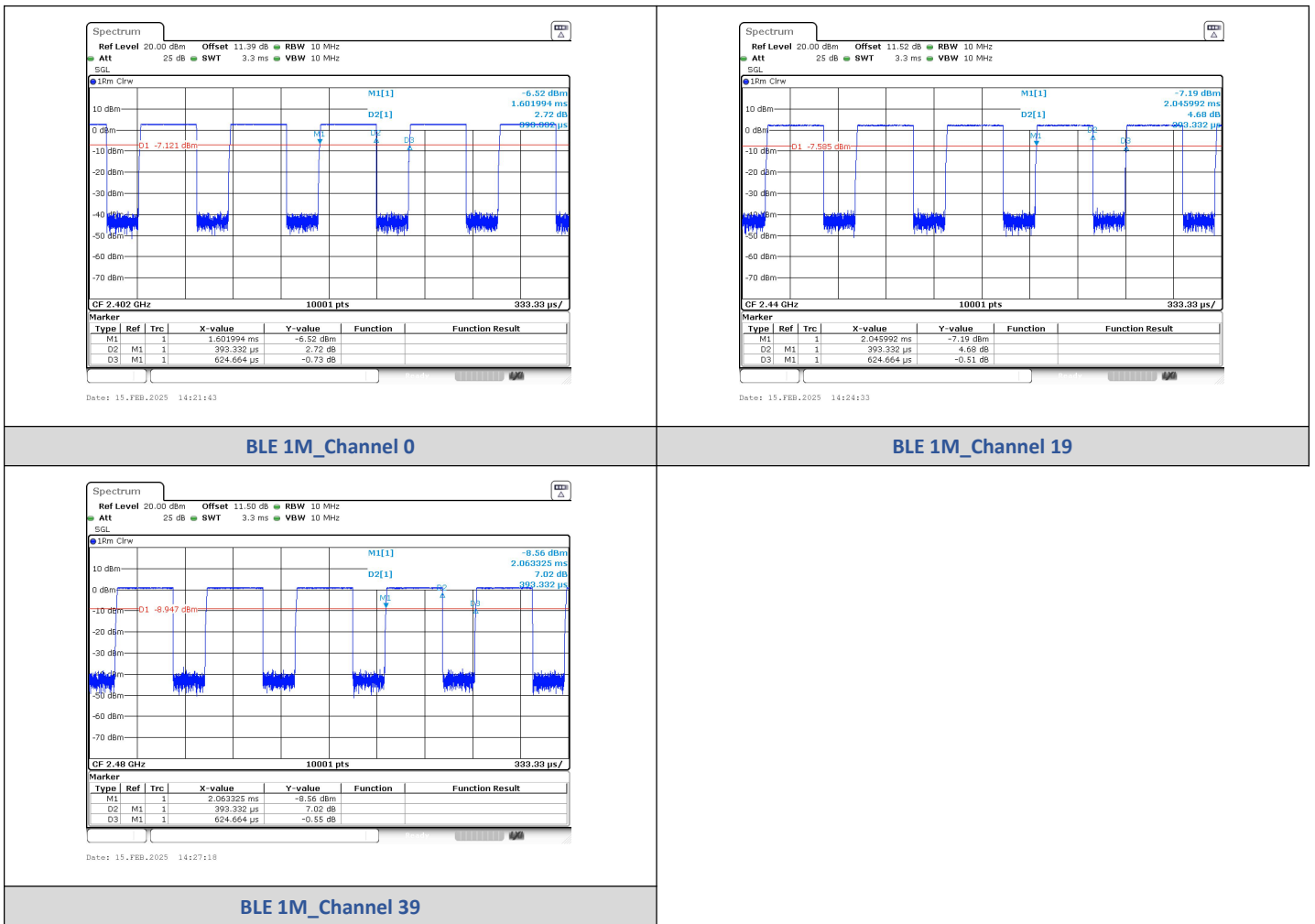
Report No.:	CISRR25021404806
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

# 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	0.393	0.625	62.97	0.6297	2.0087	2.5445
	19	0.393	0.625	62.97	0.6297	2.0087	2.5445
	39	0.393	0.625	62.97	0.6297	2.0087	2.5445

## Test Graphs

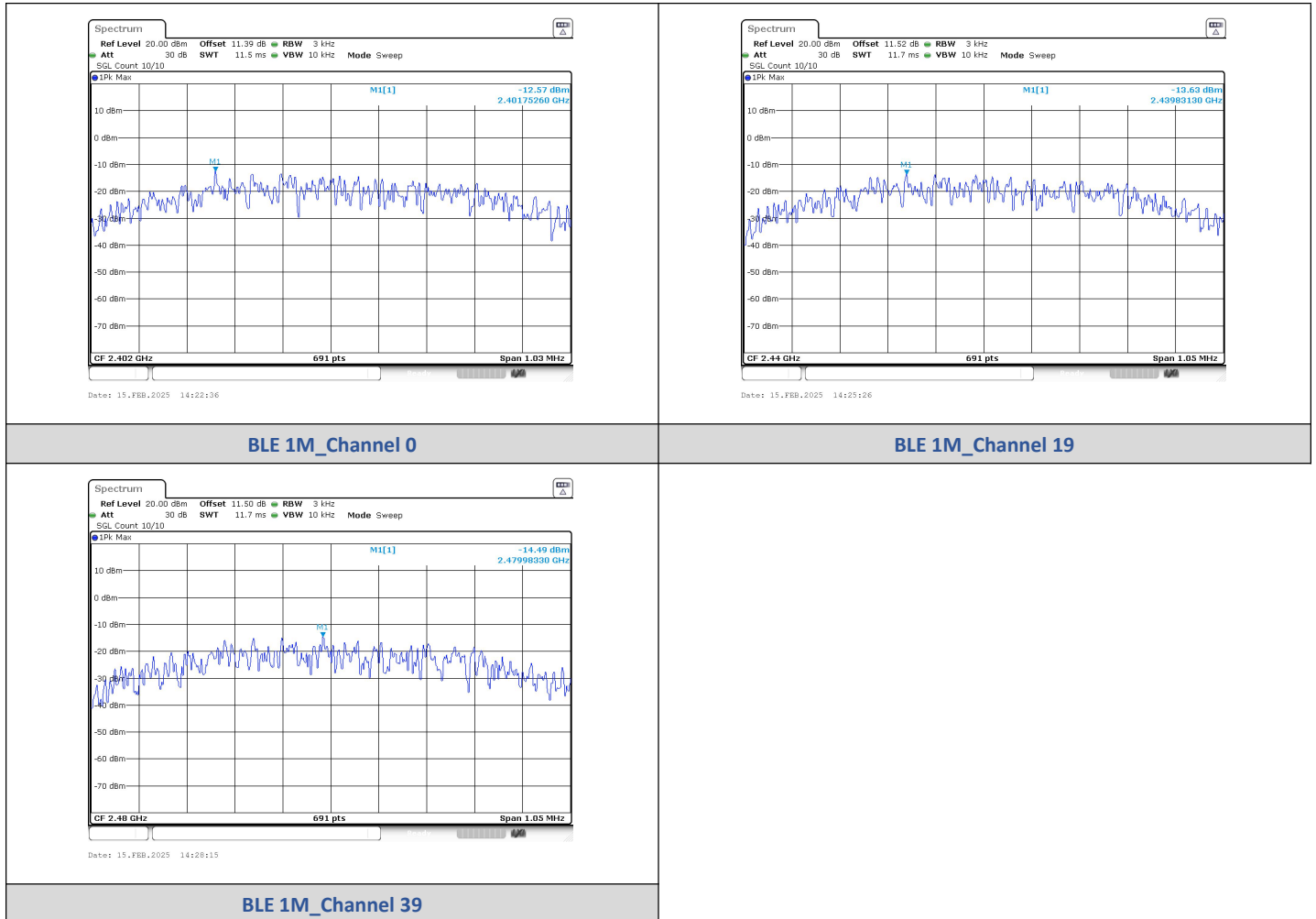


## 2) Power Spectral Density

### Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-12.570	≤8	PASS
BLE 1M	19	-13.630	≤8	PASS
BLE 1M	39	-14.490	≤8	PASS

### Test Graphs

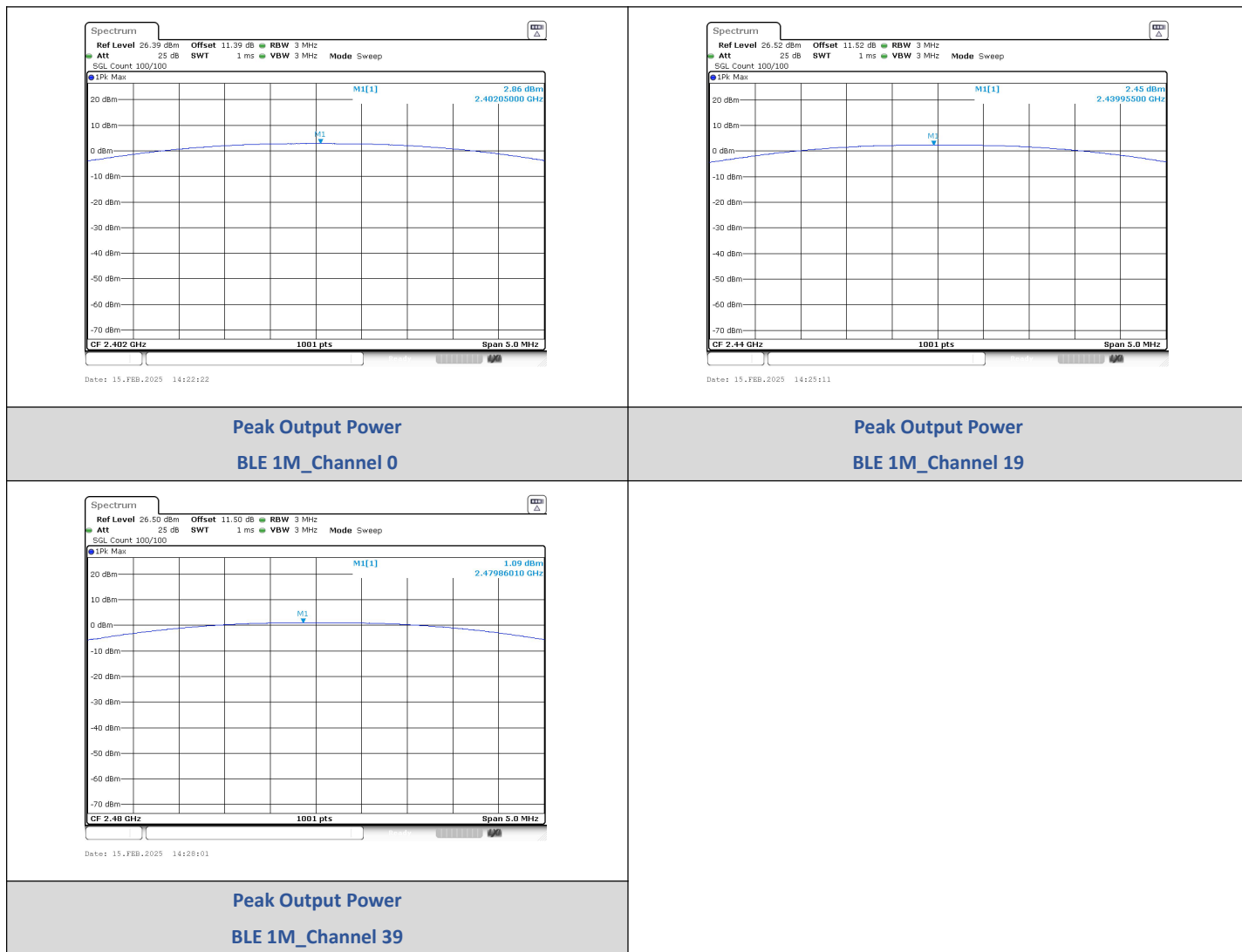


### 3) Conducted Output Power

**Test Result**

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	2.86	1.93	≤30	PASS
	19	2.45	1.76	≤30	PASS
	39	1.09	1.29	≤30	PASS

**Test Graphs**



# 4) 6dB Bandwidth

## Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6900	≥0.5	PASS
	19	2440	0.7000		PASS
	39	2480	0.7000		PASS

## Test Graphs

**BLE 1M\_Channel 0**

**BLE 1M\_Channel 19**

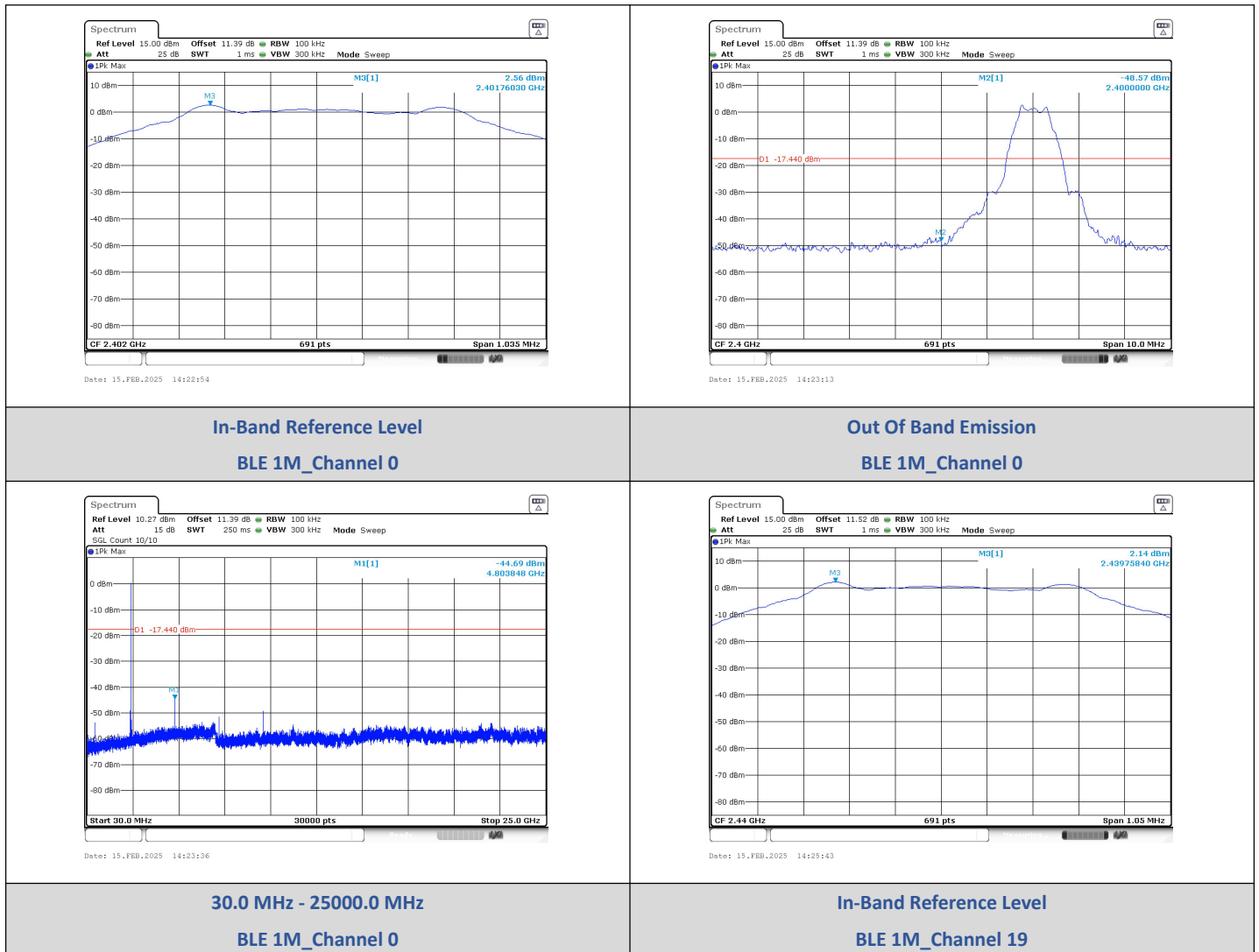
**BLE 1M\_Channel 39**

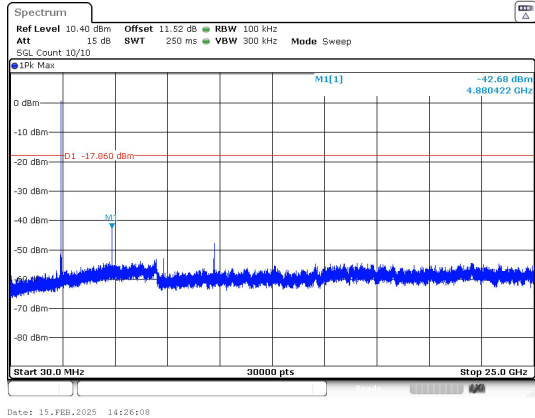
## 5) Conducted Out Of Band Emission

### Test Result

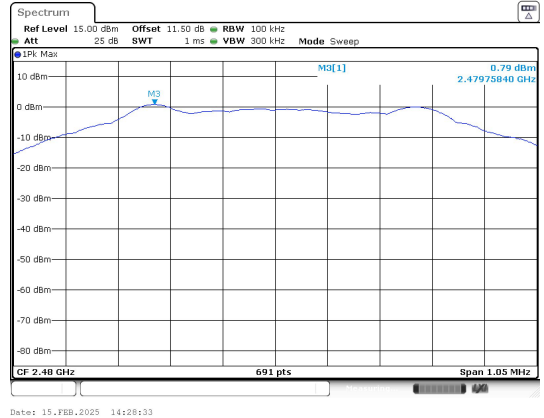
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-48.570	-17.44	-31.130	PASS
		4803.85	-44.694	-17.44	-27.254	PASS
	19	4880.42	-42.684	-17.86	-24.824	PASS
	39	2483.50	-50.950	-19.21	-31.740	PASS
		4959.49	-42.746	-19.21	-23.536	PASS

### Test Graphs

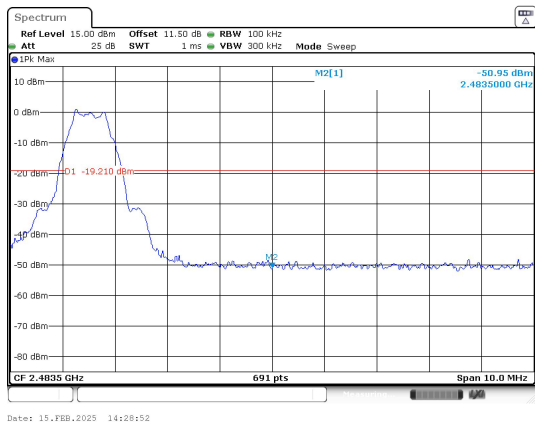




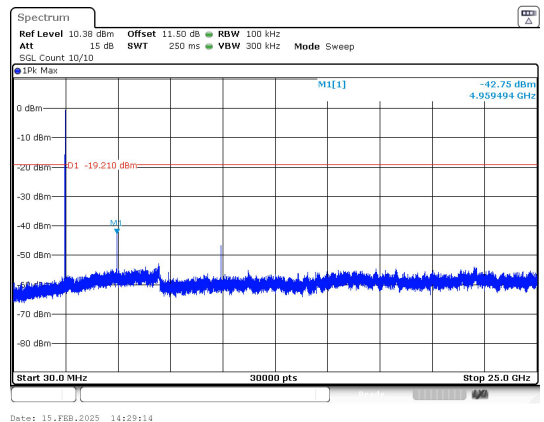
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 19**



**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-----