

# Appendix Report

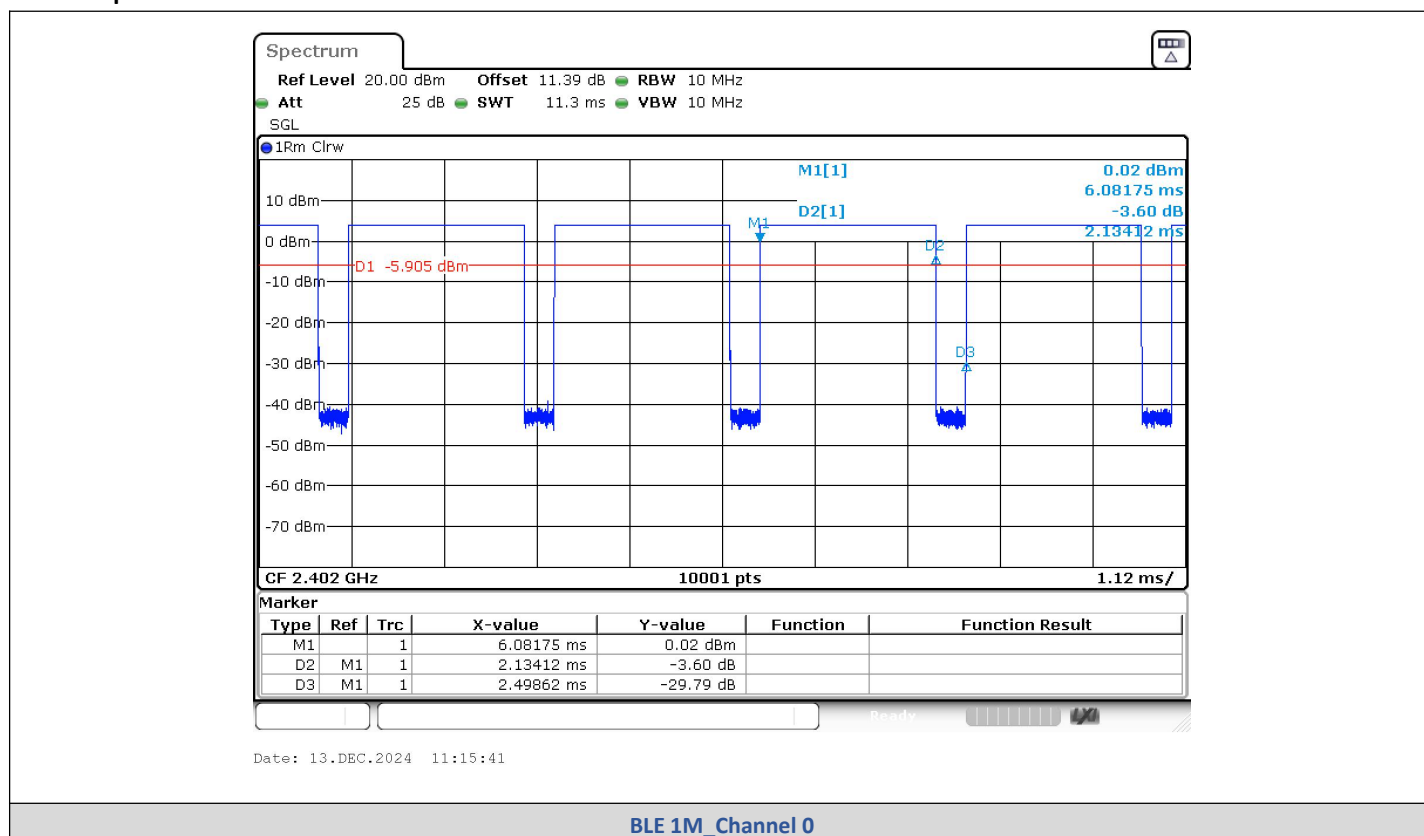
Report No.:	CISRR24121210305
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

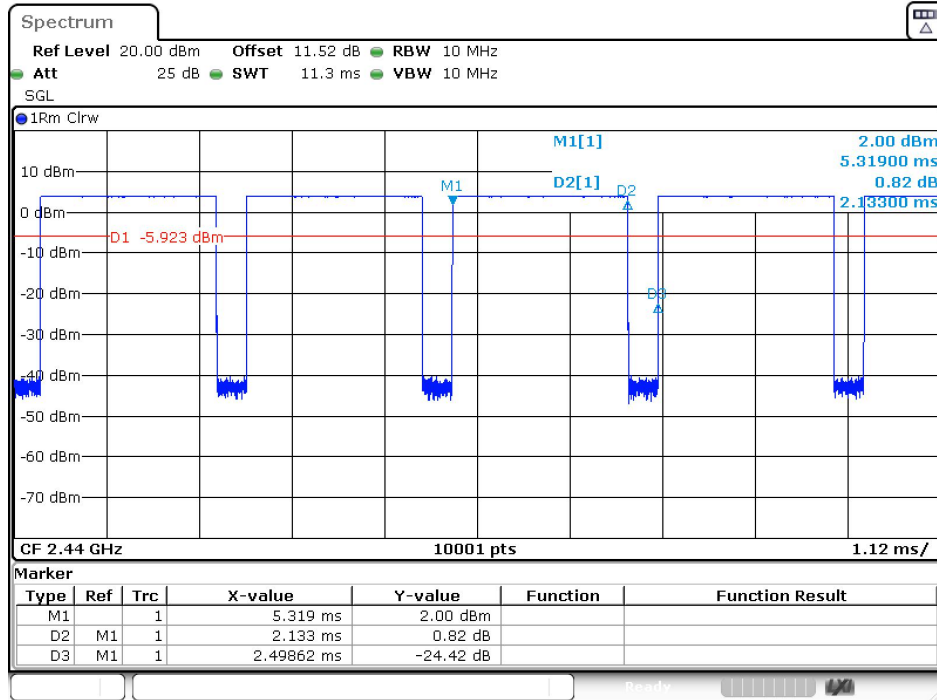
# 1) Duty Cycle

## 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

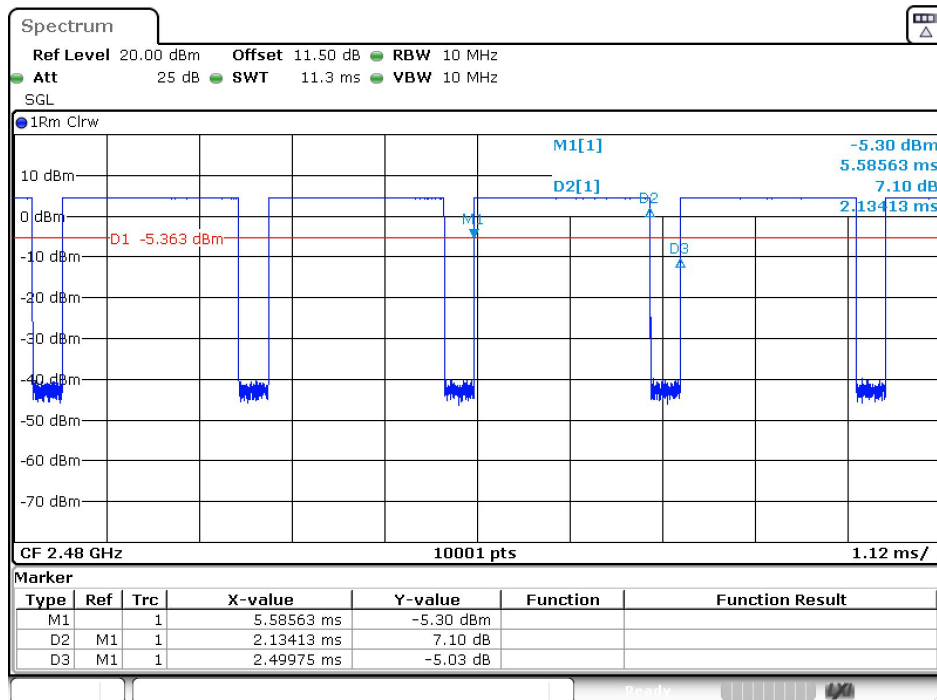
## Test Graphs





Date: 13.DEC.2024 11:18:19

### BLE 1M\_Channel 19



Date: 13.DEC.2024 11:20:19

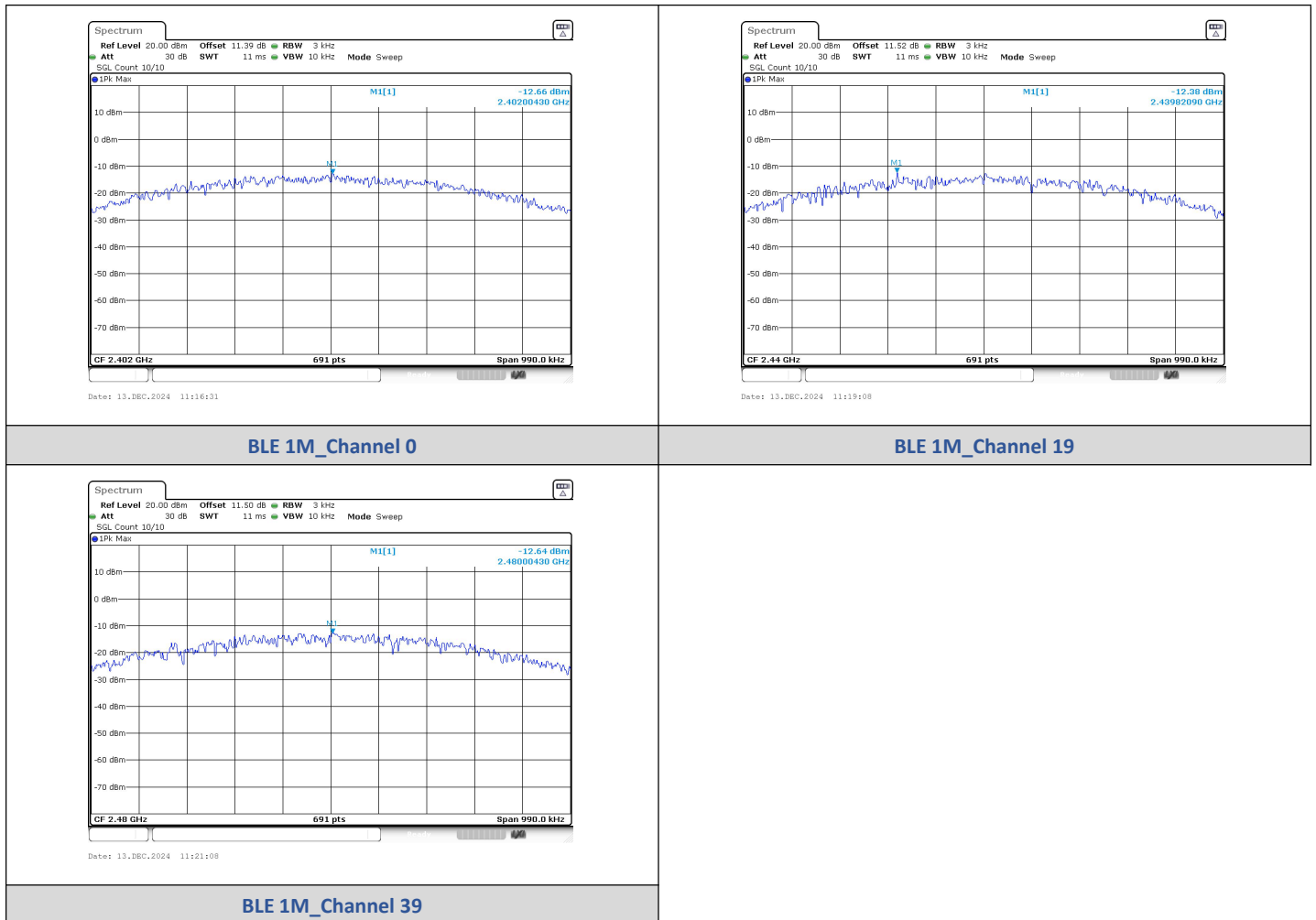
### BLE 1M\_Channel 39

## 2) Power Spectral Density

### Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-12.660	≤8	PASS
BLE 1M	19	-12.380	≤8	PASS
BLE 1M	39	-12.640	≤8	PASS

### Test Graphs

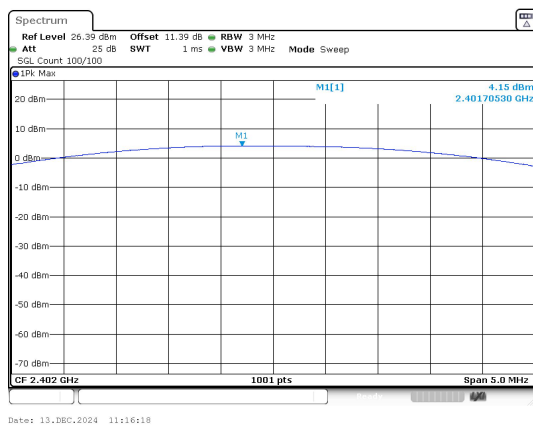


### 3) Conducted Output Power

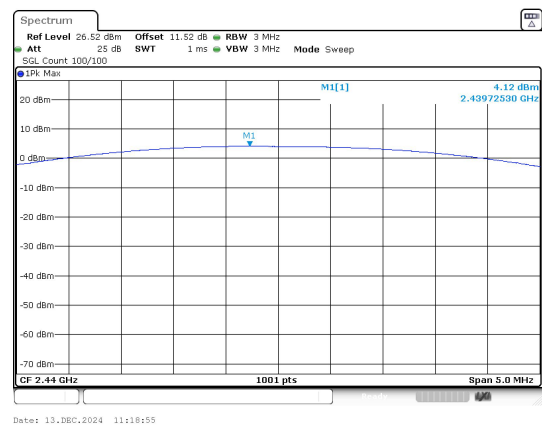
#### Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	4.15	2.6	≤30	PASS
	19	4.12	2.58	≤30	PASS
	39	4.71	2.96	≤30	PASS

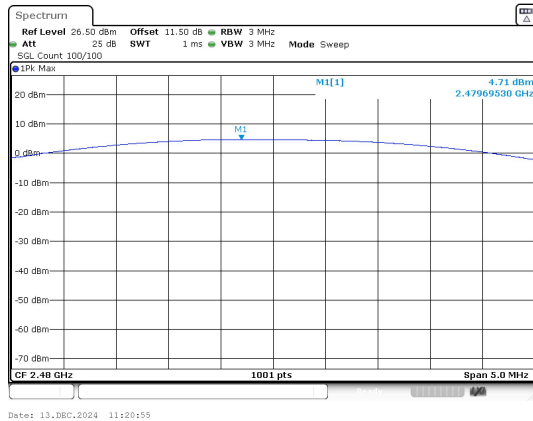
#### Test Graphs



Peak Output Power  
BLE 1M\_Channel 0



Peak Output Power  
BLE 1M\_Channel 19



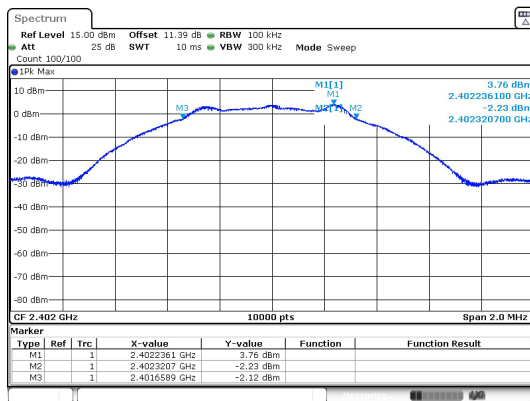
Peak Output Power  
BLE 1M\_Channel 39

## 4) 6dB Bandwidth

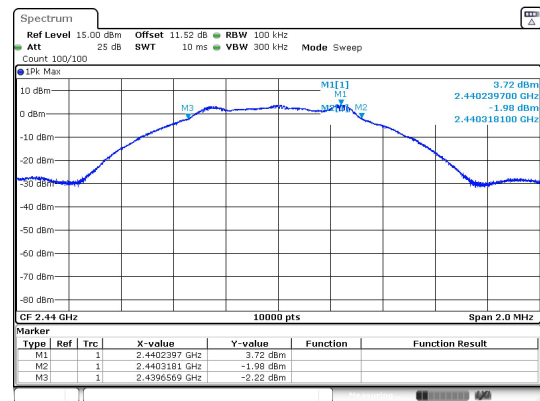
### Test Result

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



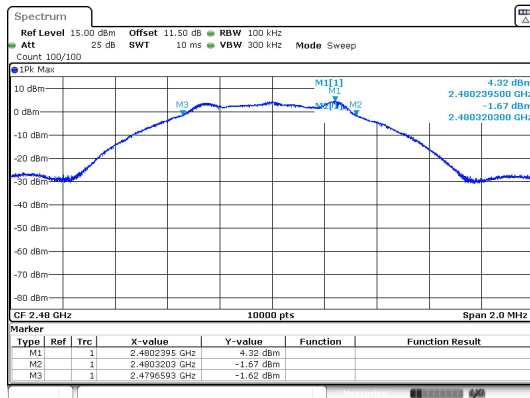
Date: 13.DEC.2024 11:16:03



Date: 13.DEC.2024 11:18:41

BLE 1M\_Channel 0

BLE 1M\_Channel 19



Date: 13.DEC.2024 11:20:41

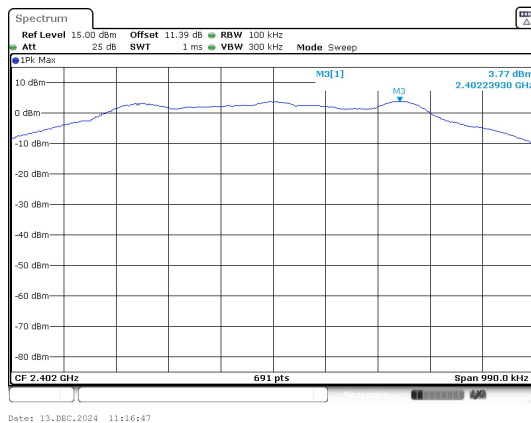
BLE 1M\_Channel 39

## 5) Conducted Out Of Band Emission

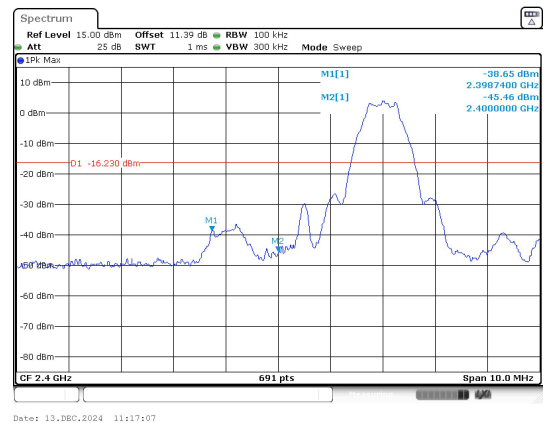
### Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.74	-38.645	-16.23	-22.415	PASS
		2400.00	-45.460	-16.23	-29.230	PASS
		9602.20	-41.876	-16.23	-25.646	PASS
	19	9753.73	-41.398	-16.29	-25.108	PASS
	39	2483.50	-41.550	-15.7	-25.850	PASS
		9914.37	-42.619	-15.7	-26.919	PASS

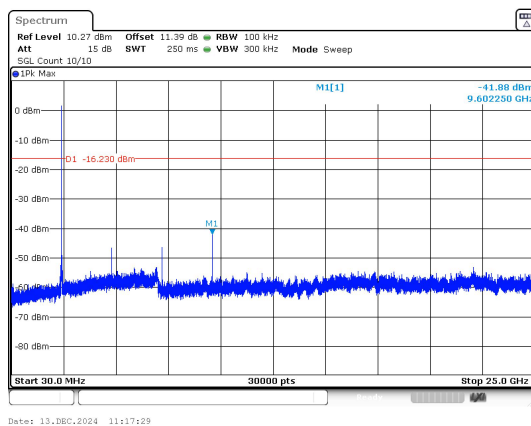
### Test Graphs



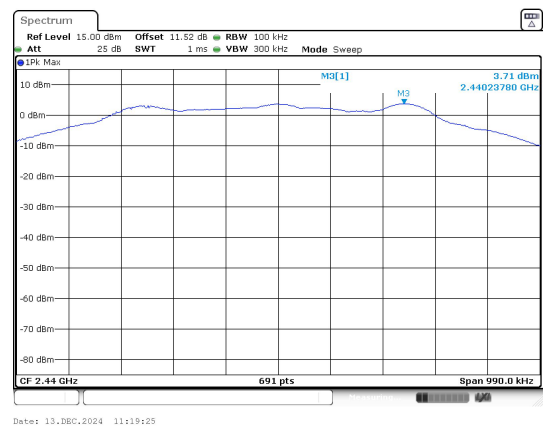
**In-Band Reference Level**  
**BLE 1M\_Channel 0**



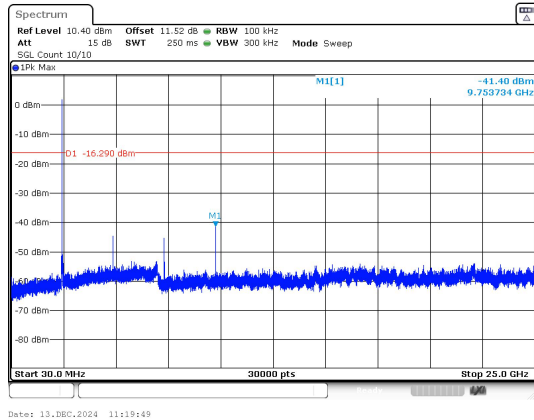
**Out Of Band Emission**  
**BLE 1M\_Channel 0**



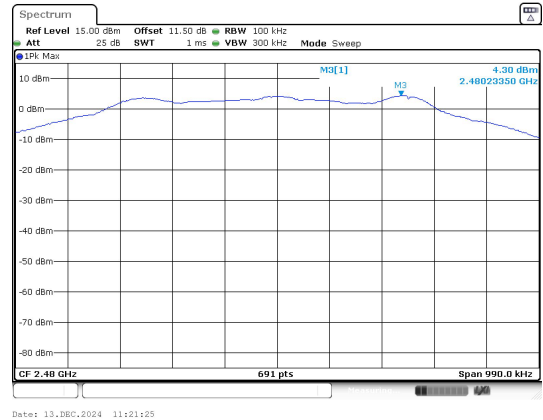
**30.0 MHz - 25000.0 MHz**  
**BLE 1M\_Channel 0**



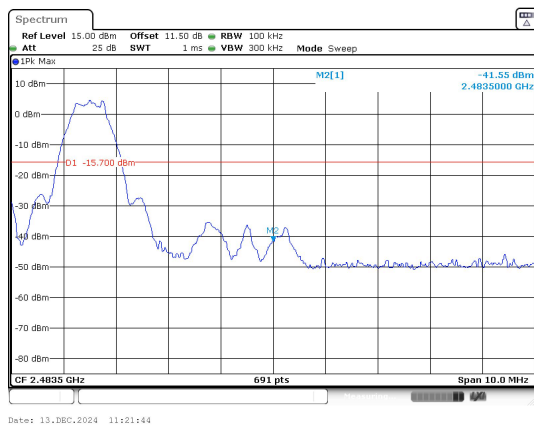
**In-Band Reference Level**  
**BLE 1M\_Channel 19**



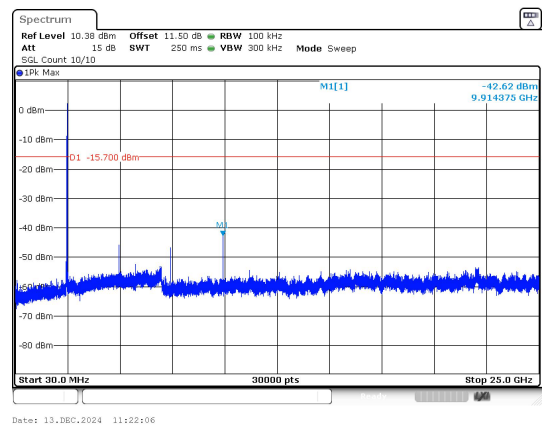
30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 19



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-----