

# Appendix Report

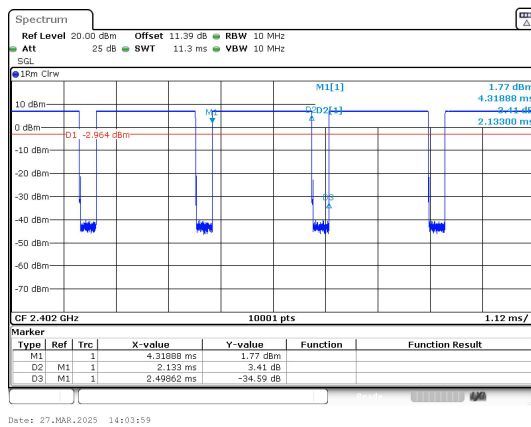
Report No.:	CISRR25031008102
Test Engineer:	James Wang
Supervised by:	Rory Huang

# 1) Duty Cycle

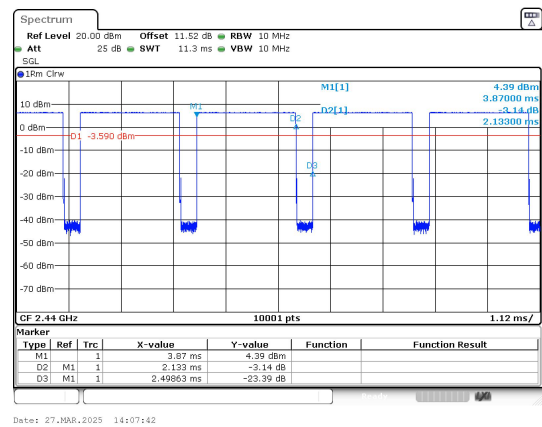
## Test Result

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

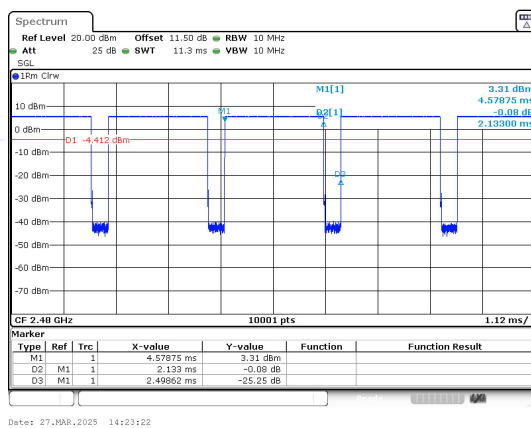
## Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



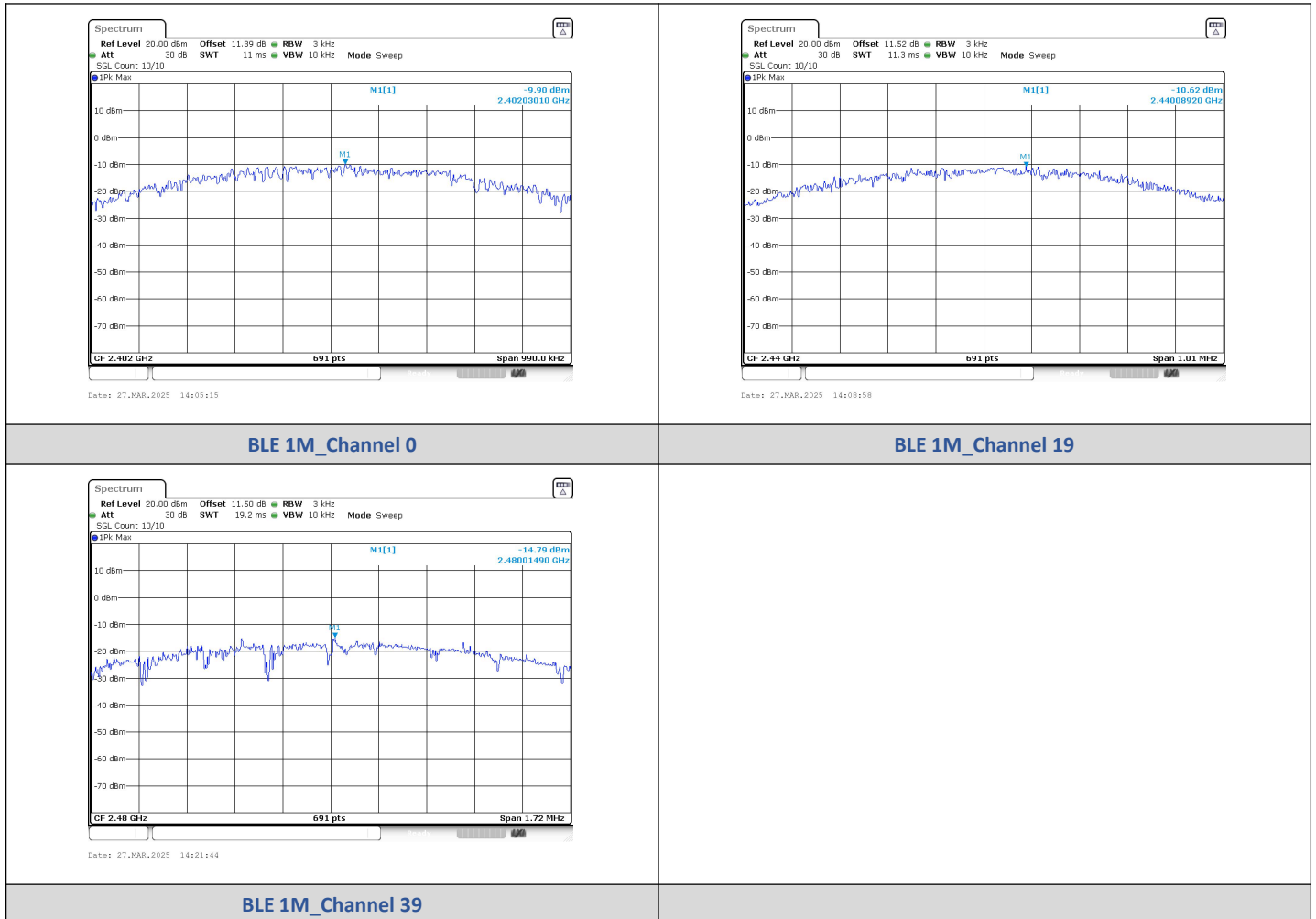
BLE 1M\_Channel 39

## 2) Power Spectral Density

### Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-9.900	≤8	PASS
BLE 1M	19	-10.620	≤8	PASS
BLE 1M	39	-14.790	≤8	PASS

### Test Graphs

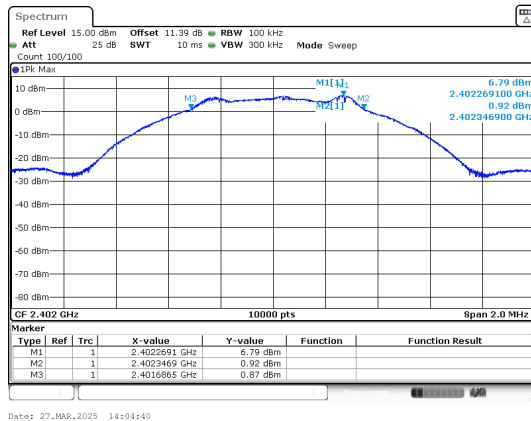


### 3) 6dB Bandwidth

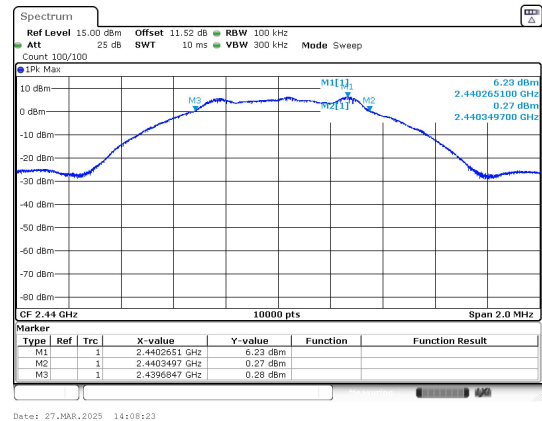
#### Test Result

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	0.6600		PASS

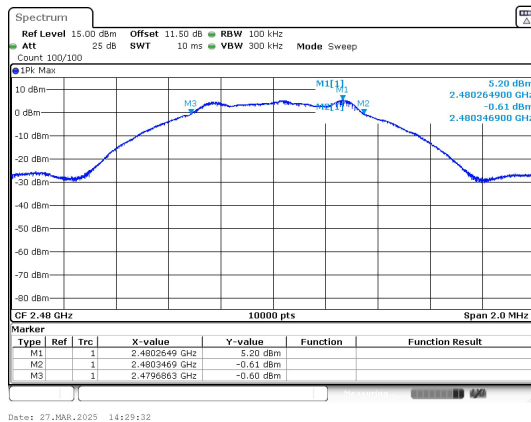
#### Test Graphs



BLE 1M\_Channel 0



BLE 1M\_Channel 19



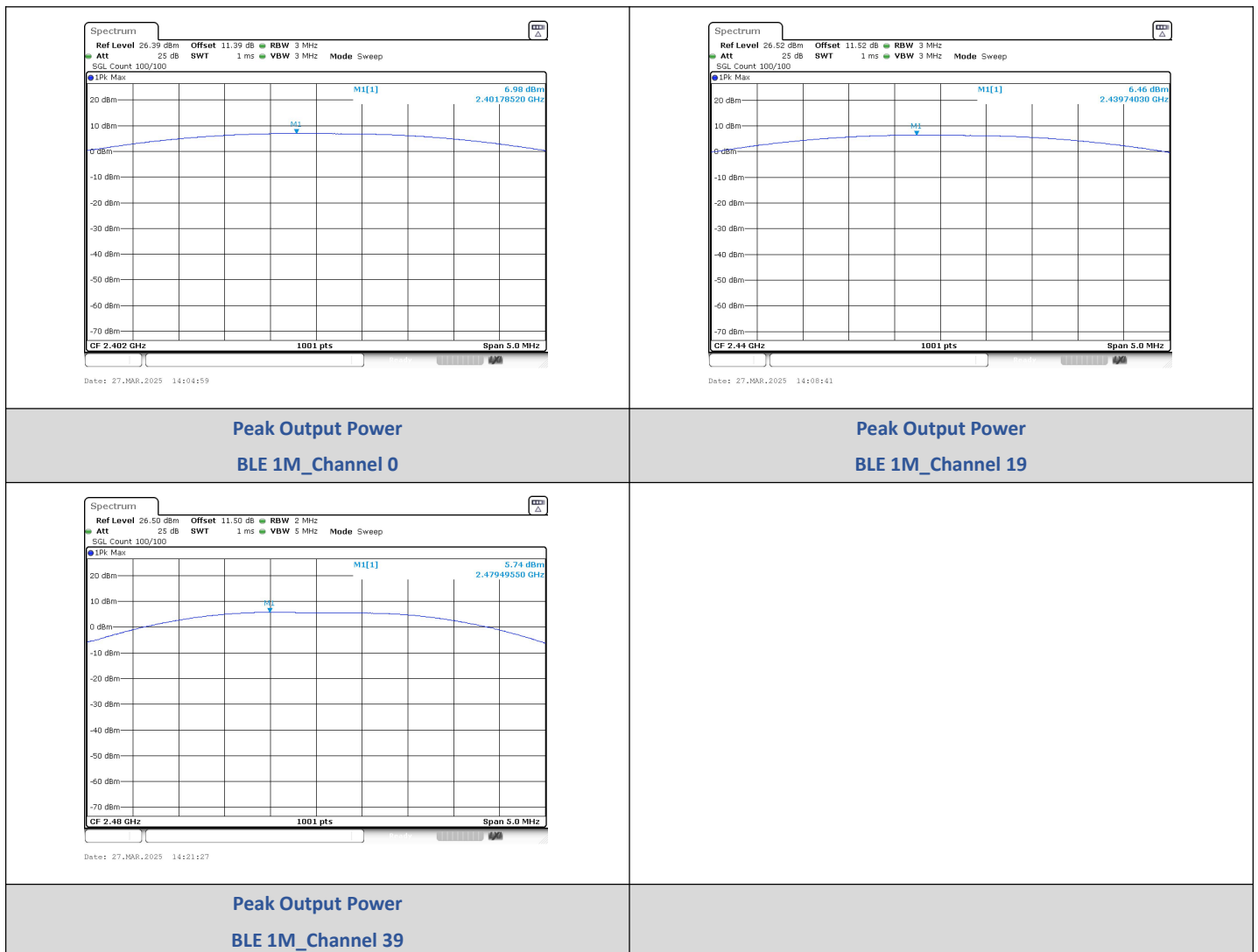
BLE 1M\_Channel 39

## 4) Conducted Output Power

### Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	6.98	4.99	None	≤30	PASS
	19	6.46	4.43	None	≤30	PASS
	39	5.74	3.75	None	≤30	PASS

### Test Graphs

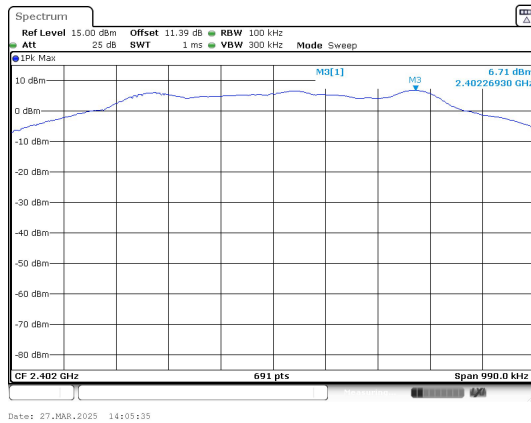


## 5) Conducted Out Of Band Emission

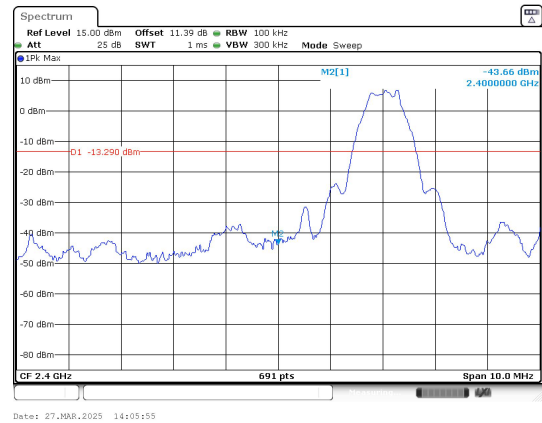
### Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-37.916	-13.29	-24.626	PASS
		2400.00	-43.660	-13.29	-30.370	PASS
		7206.80	-40.706	-13.29	-27.416	PASS
	19	9753.73	-40.018	-13.76	-26.258	PASS
	39	2483.50	-44.210	-14.81	-29.400	PASS
		9914.37	-36.785	-14.81	-21.975	PASS

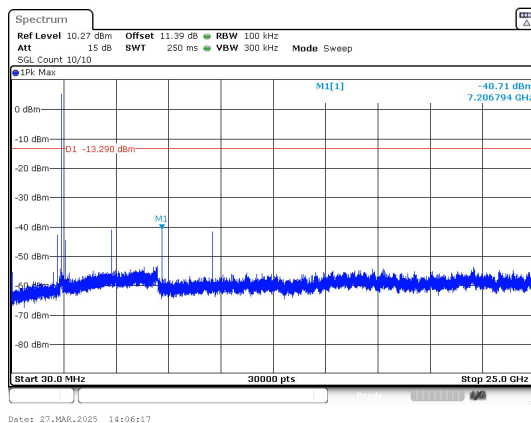
### Test Graphs



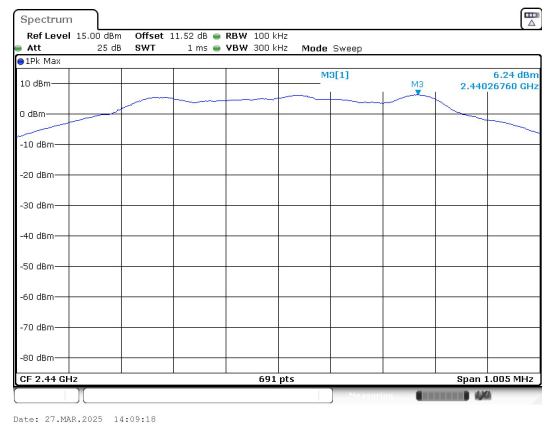
In-Band Reference Level  
BLE 1M\_Channel 0



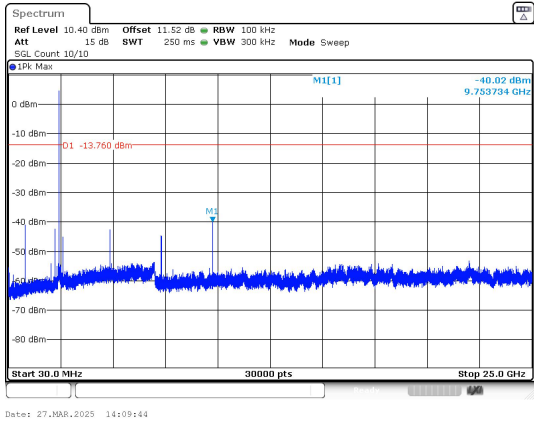
Out Of Band Emission  
BLE 1M\_Channel 0



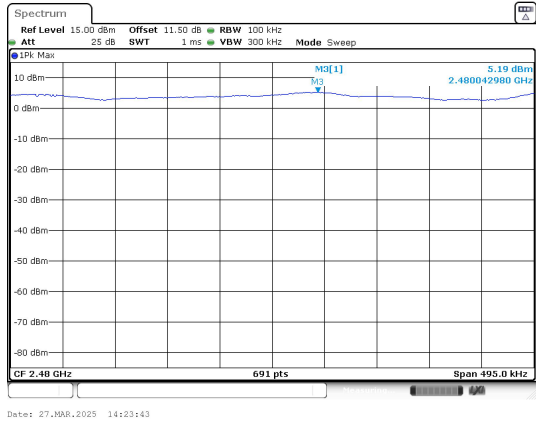
30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 0



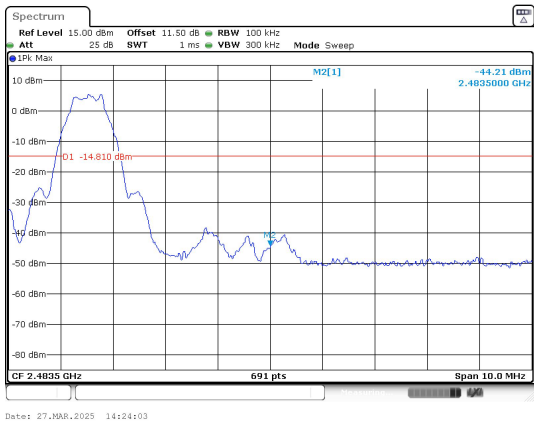
In-Band Reference Level  
BLE 1M\_Channel 19



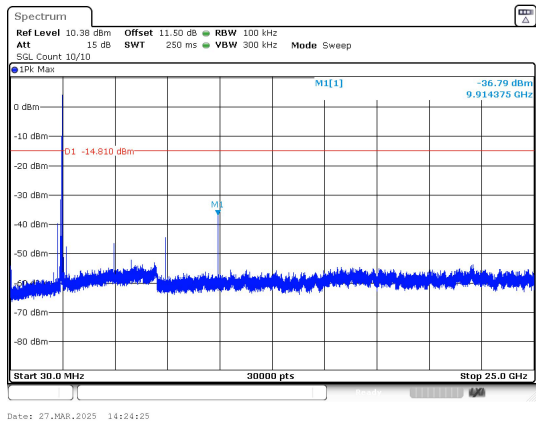
30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 19



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-----