

Appendix Report

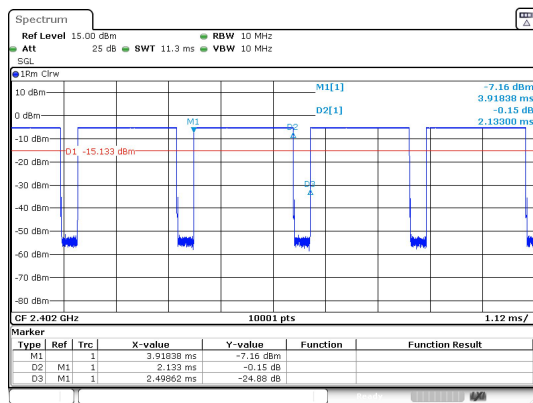
Report No.:	CISRR250115137
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

1) Duty Cycle

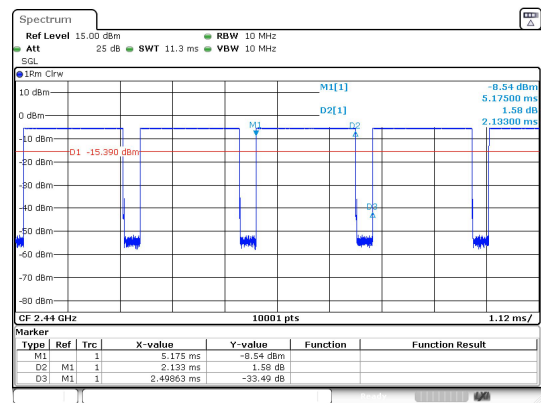
Test Result

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



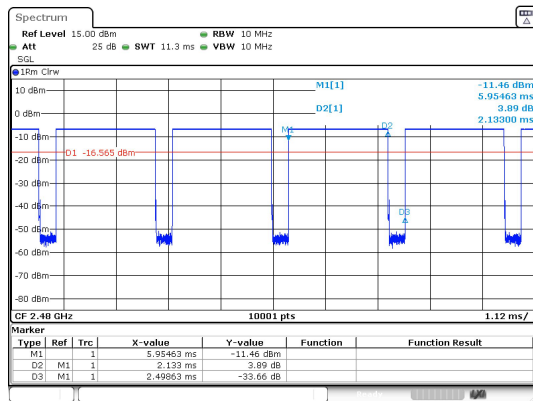
Date: 17.JAN.2025 16:21:49



Date: 17.JAN.2025 16:27:59

BLE 1M_Channel 0

BLE 1M_Channel 19



Date: 17.JAN.2025 16:35:29

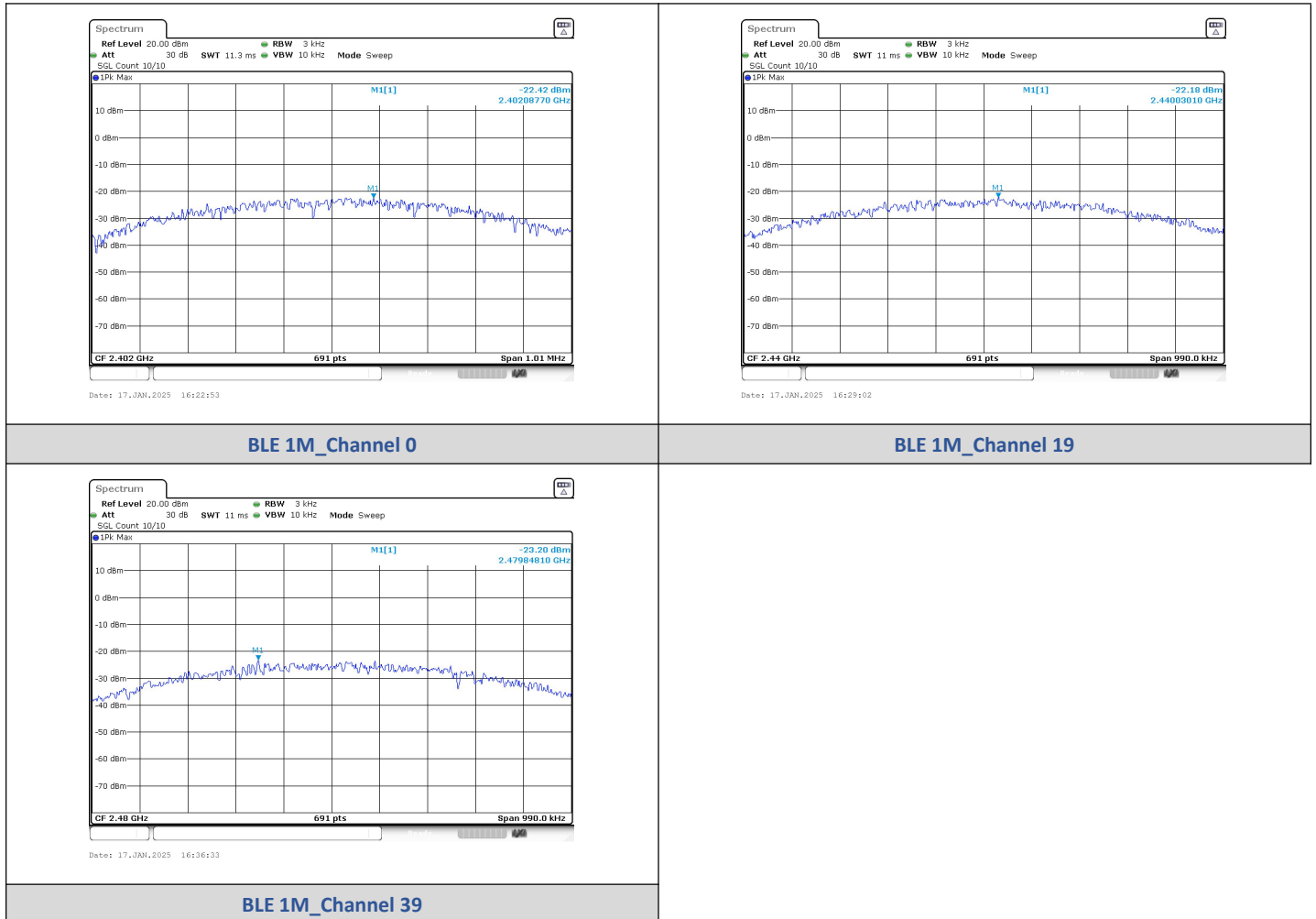
BLE 1M_Channel 39

2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-22.420	≤8	PASS
BLE 1M	19	-22.180	≤8	PASS
BLE 1M	39	-23.200	≤8	PASS

Test Graphs

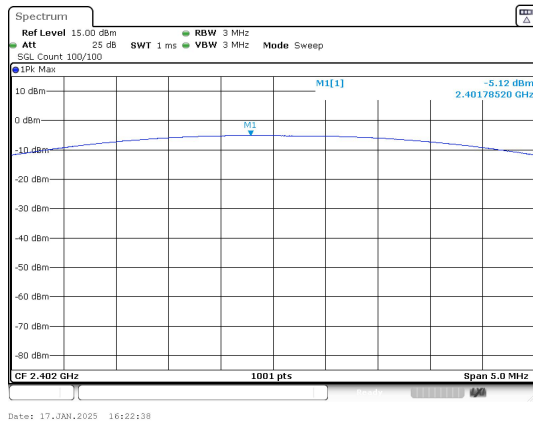


3) Conducted Output Power

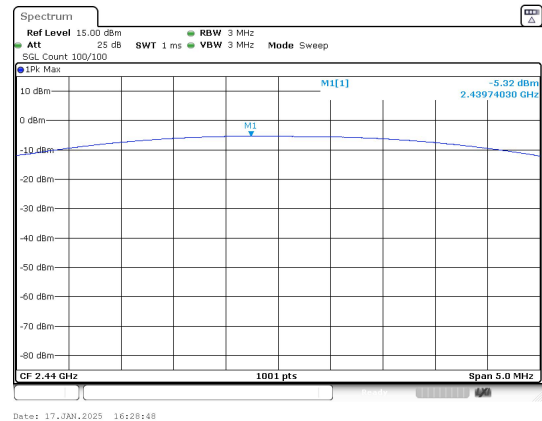
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-5.12	0.31	≤30	PASS
	19	-5.32	0.29	≤30	PASS
	39	-6.54	0.22	≤30	PASS

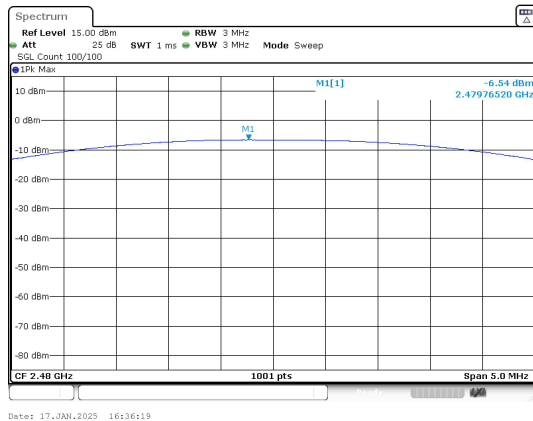
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



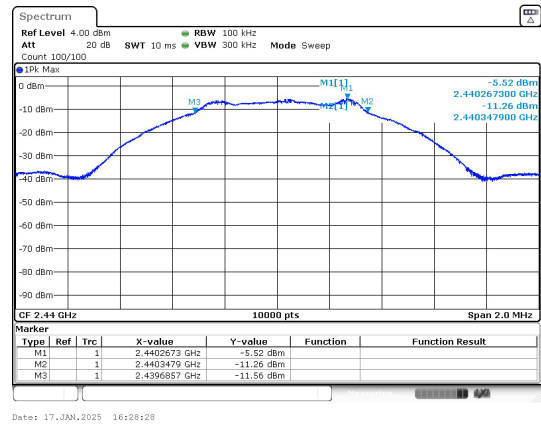
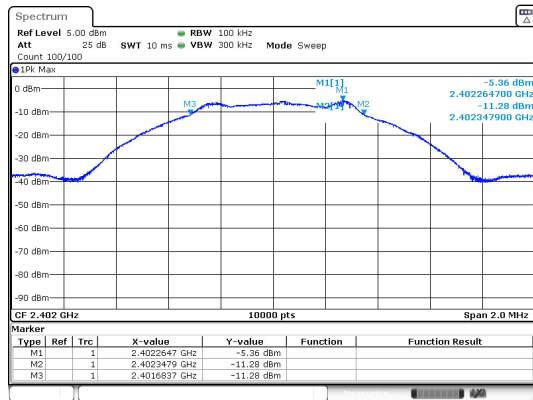
Peak Output Power
BLE 1M_Channel 39

4) 6dB Bandwidth

Test Result

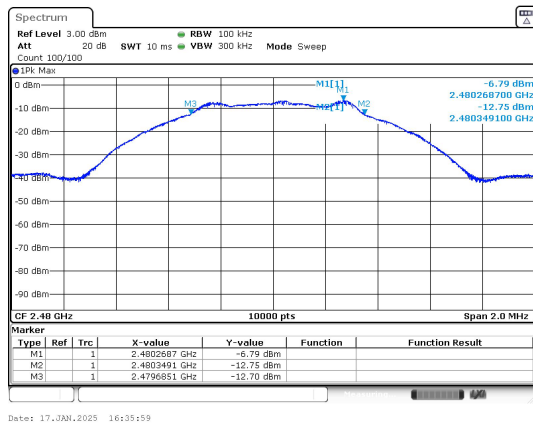
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6700	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS

Test Graphs



BLE 1M_Channel 0

BLE 1M_Channel 19



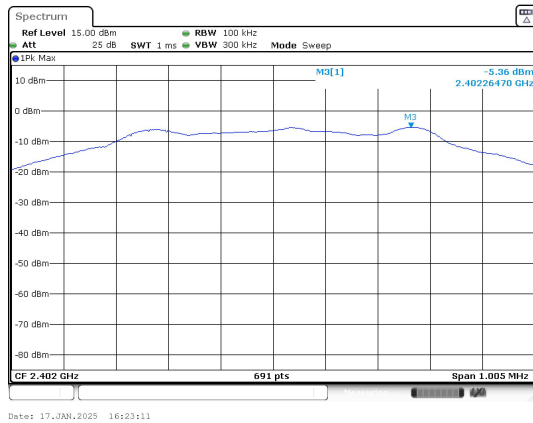
BLE 1M_Channel 39

5) Conducted Out Of Band Emission

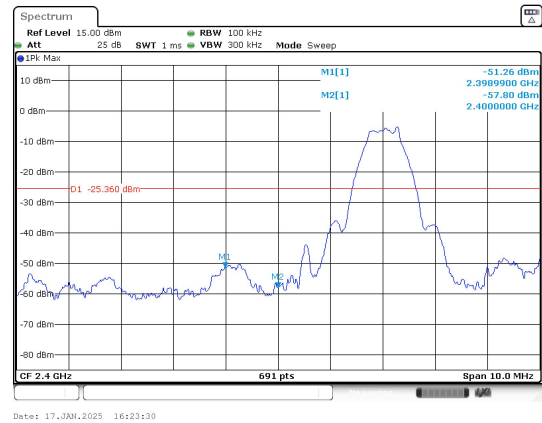
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.99	-51.262	-25.36	-25.902	PASS
		2400.00	-57.800	-25.36	-32.440	PASS
		6913.00	-43.836	-25.36	-18.476	PASS
	19	6847.23	-44.568	-25.59	-18.978	PASS
		2483.50	-56.520	-26.81	-29.710	PASS
		5882.55	-44.091	-26.81	-17.281	PASS

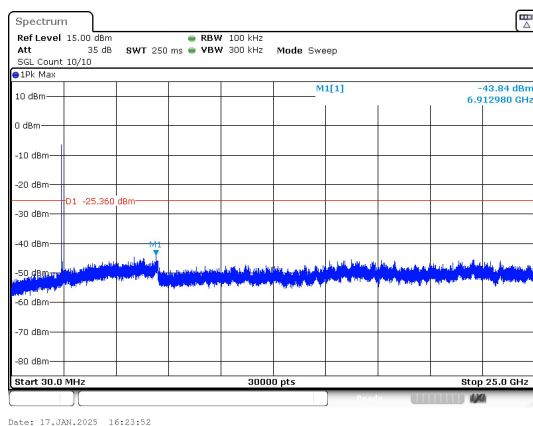
Test Graphs



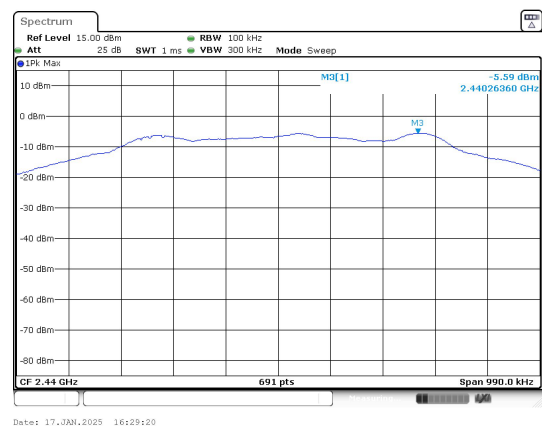
In-Band Reference Level
BLE 1M_Channel 0



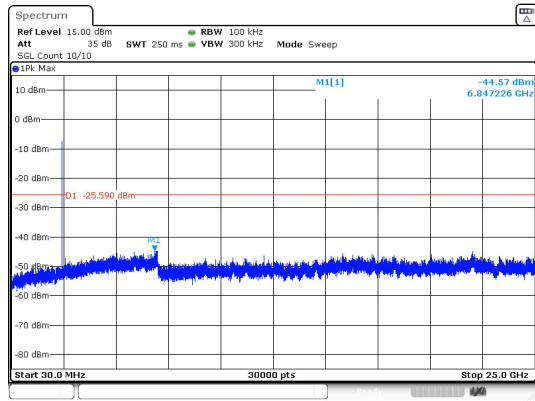
Out Of Band Emission
BLE 1M_Channel 0



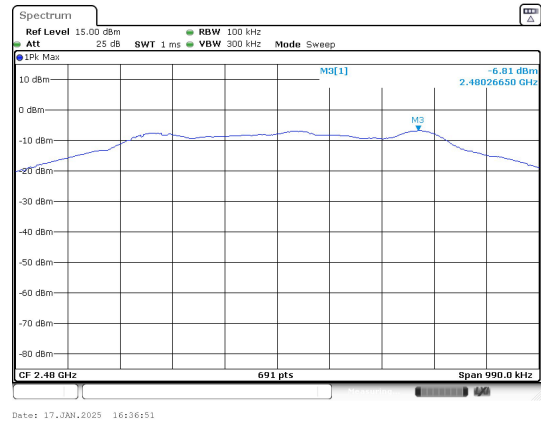
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



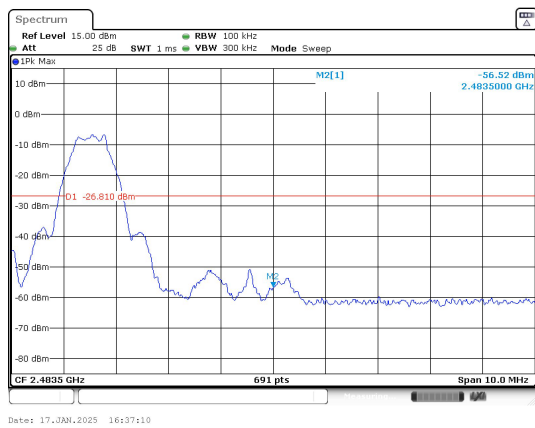
In-Band Reference Level
BLE 1M_Channel 19



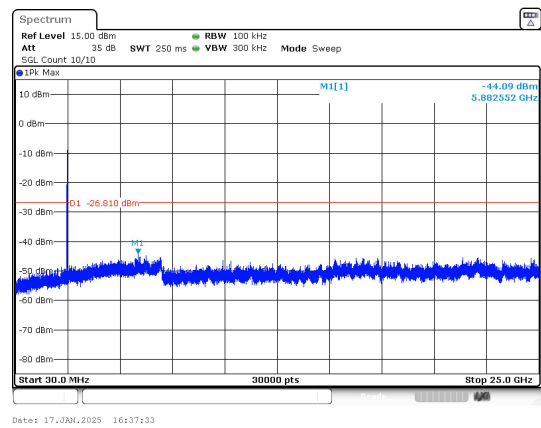
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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-----