

Appendix Report

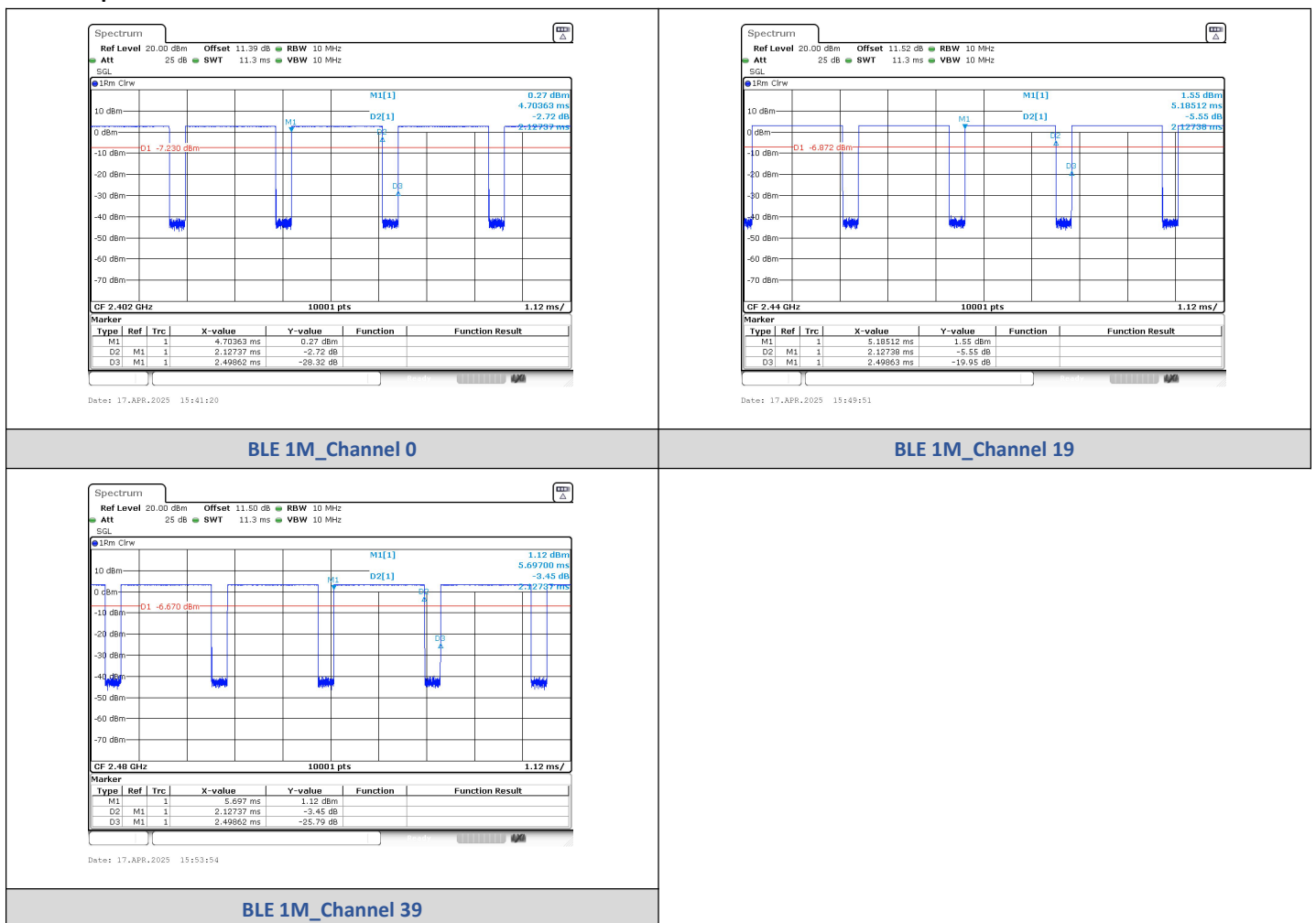
Project No.:	CISR250415132
Test Engineer:	James Wang
Supervised by:	Rory Huang

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	2.127	2.499	85.14	0.8514	0.6987	0.4701
	19	2.127	2.499	85.14	0.8514	0.6987	0.4701
	39	2.127	2.499	85.14	0.8514	0.6987	0.4701

Test Graphs

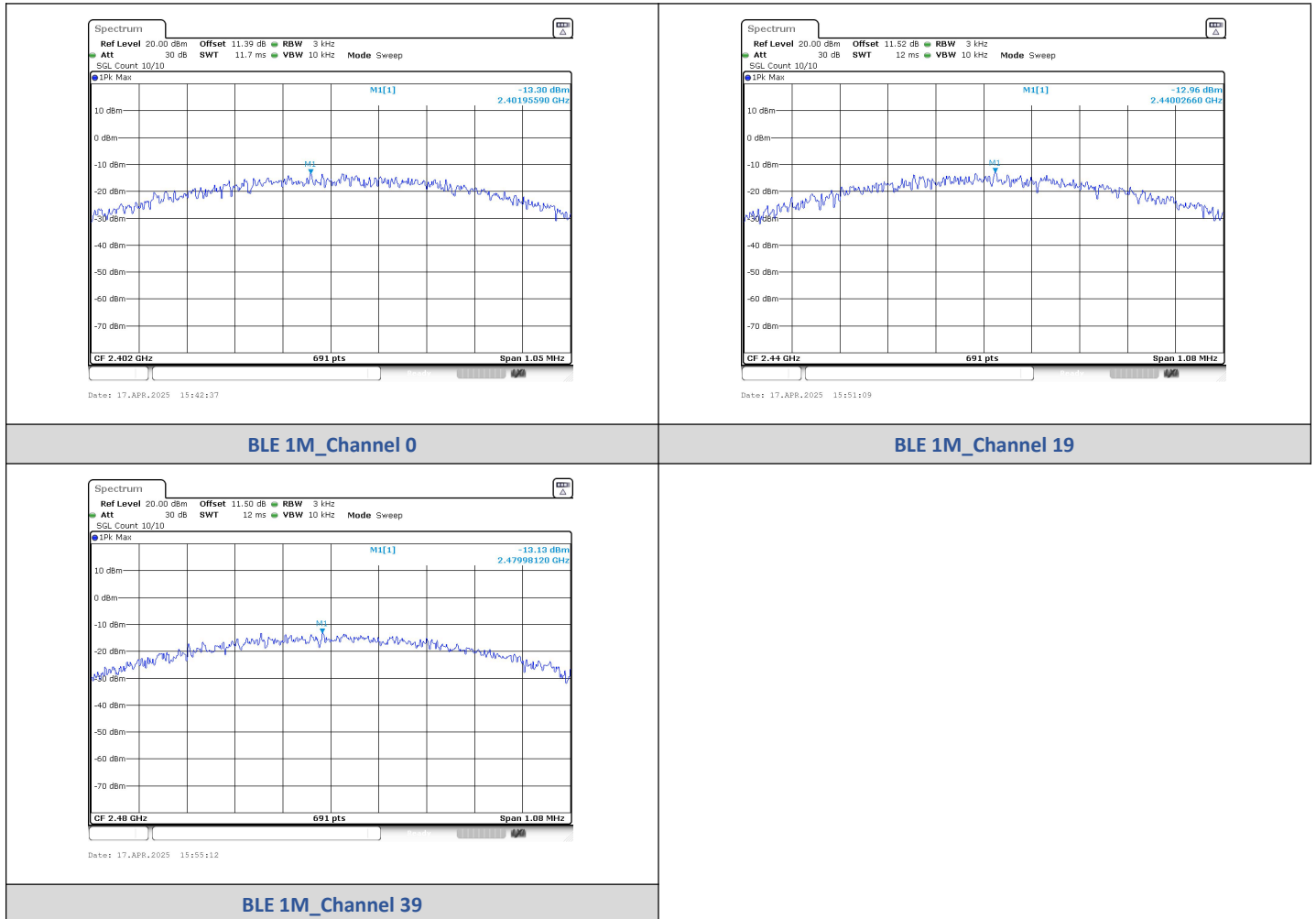


2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-13.300	≤8	PASS
BLE 1M	19	-12.960	≤8	PASS
BLE 1M	39	-13.130	≤8	PASS

Test Graphs

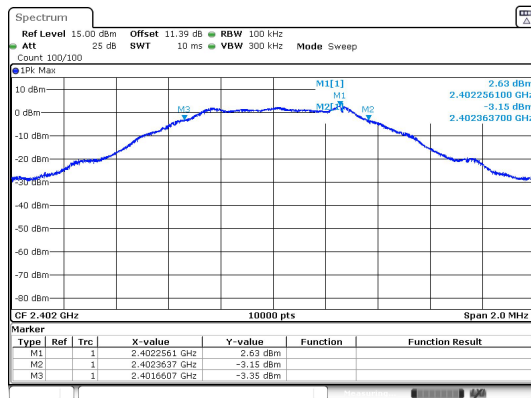


3) 6dB Bandwidth

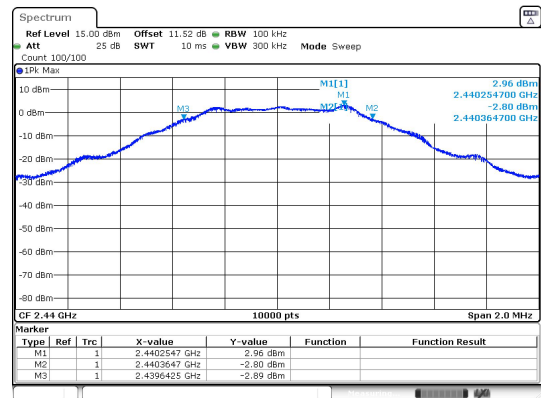
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.7000	≥0.5	PASS
	19	2440	0.7200		PASS
	39	2480	0.7200		PASS

Test Graphs



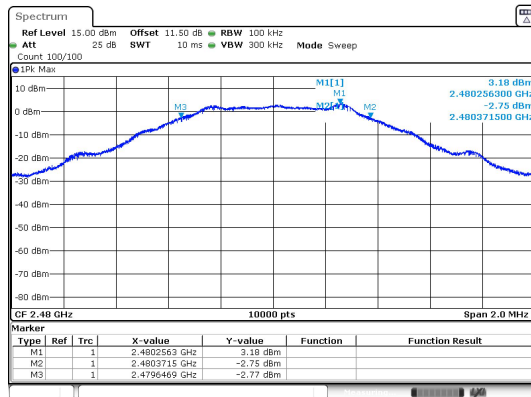
Date: 17.APR.2025 15:42:01



Date: 17.APR.2025 15:50:31

BLE 1M_Channel 0

BLE 1M_Channel 19



Date: 17.APR.2025 15:54:35

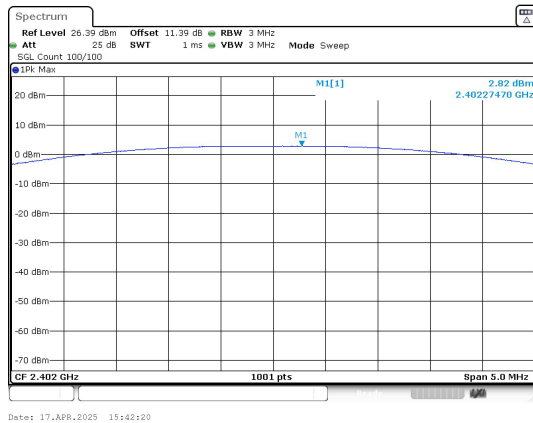
BLE 1M_Channel 39

4) Conducted Output Power

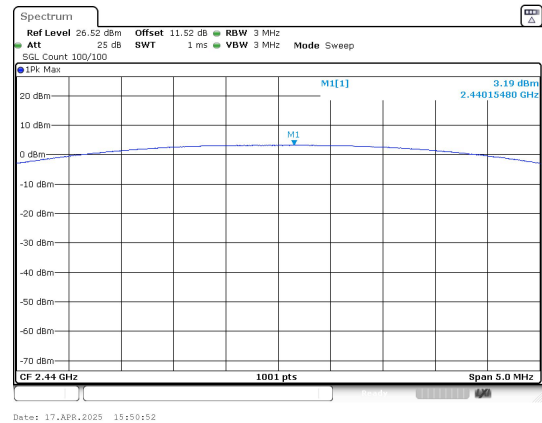
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	2.82	1.91	≤30	PASS
	19	3.19	2.08	≤30	PASS
	39	3.38	2.18	≤30	PASS

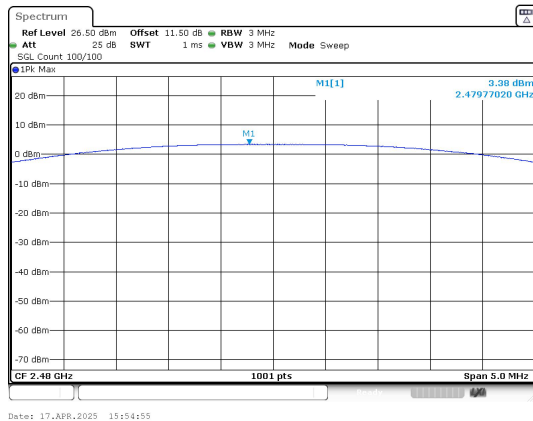
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



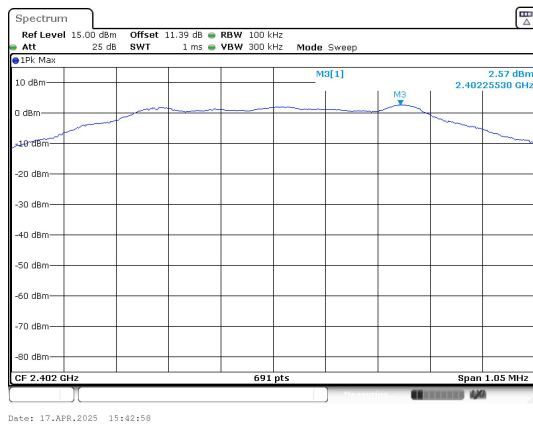
Peak Output Power
BLE 1M_Channel 39

5) Conducted Out Of Band Emission

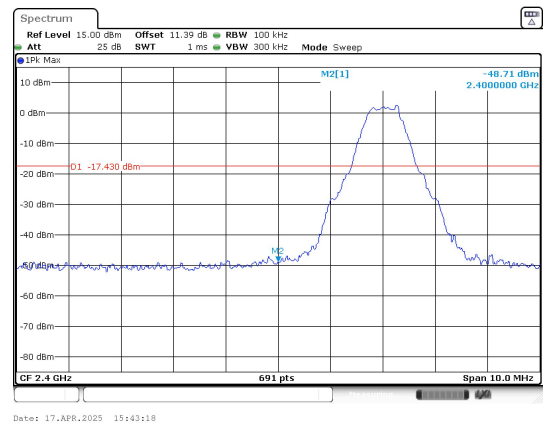
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-48.710	-17.43	-31.280	PASS
		9608.08	-42.174	-17.43	-24.744	PASS
	19	9760.39	-42.947	-16.99	-25.957	PASS
	39	2483.50	-49.390	-16.84	-32.550	PASS
		9920.20	-43.519	-16.84	-26.679	PASS

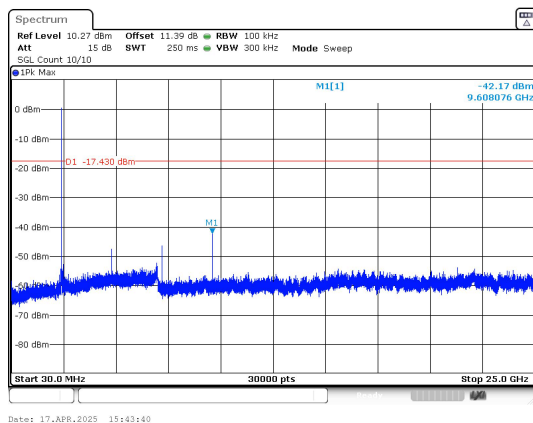
Test Graphs



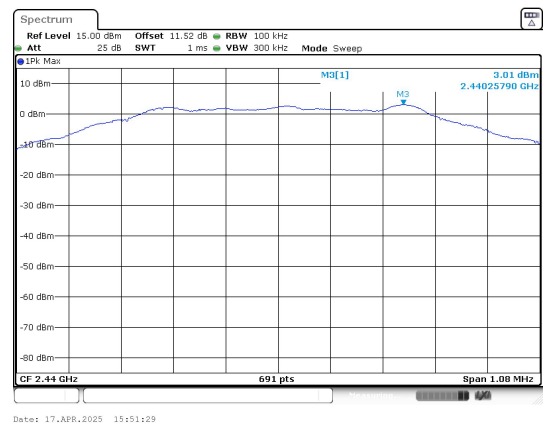
In-Band Reference Level
BLE 1M_Channel 0



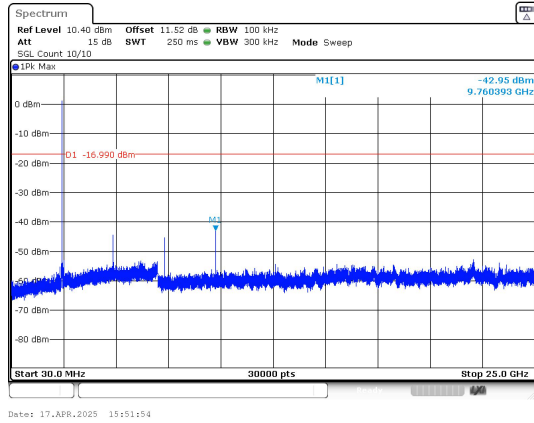
Out Of Band Emission
BLE 1M_Channel 0



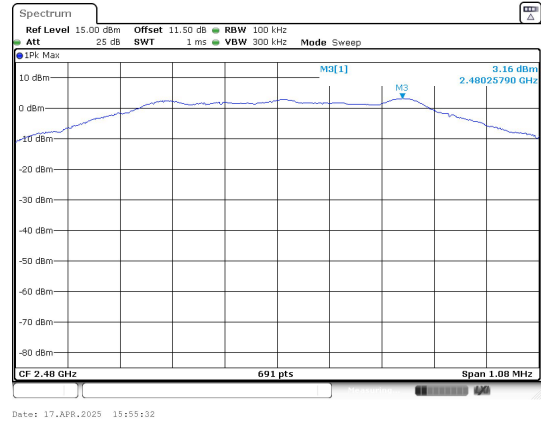
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



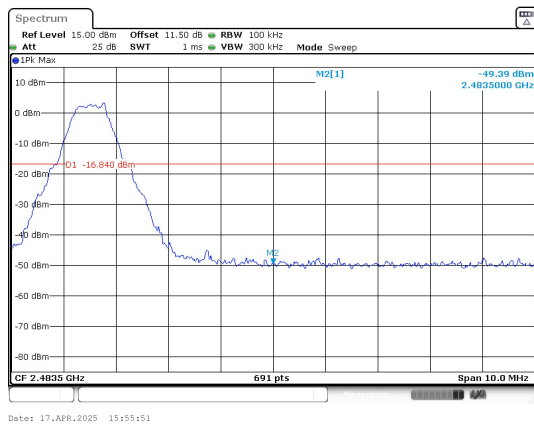
In-Band Reference Level
BLE 1M_Channel 19



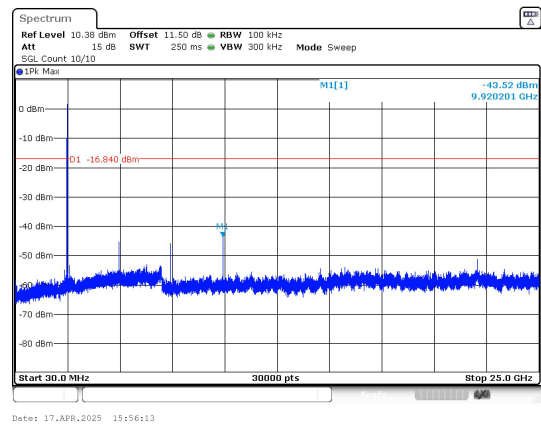
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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-----