

Appendix Report

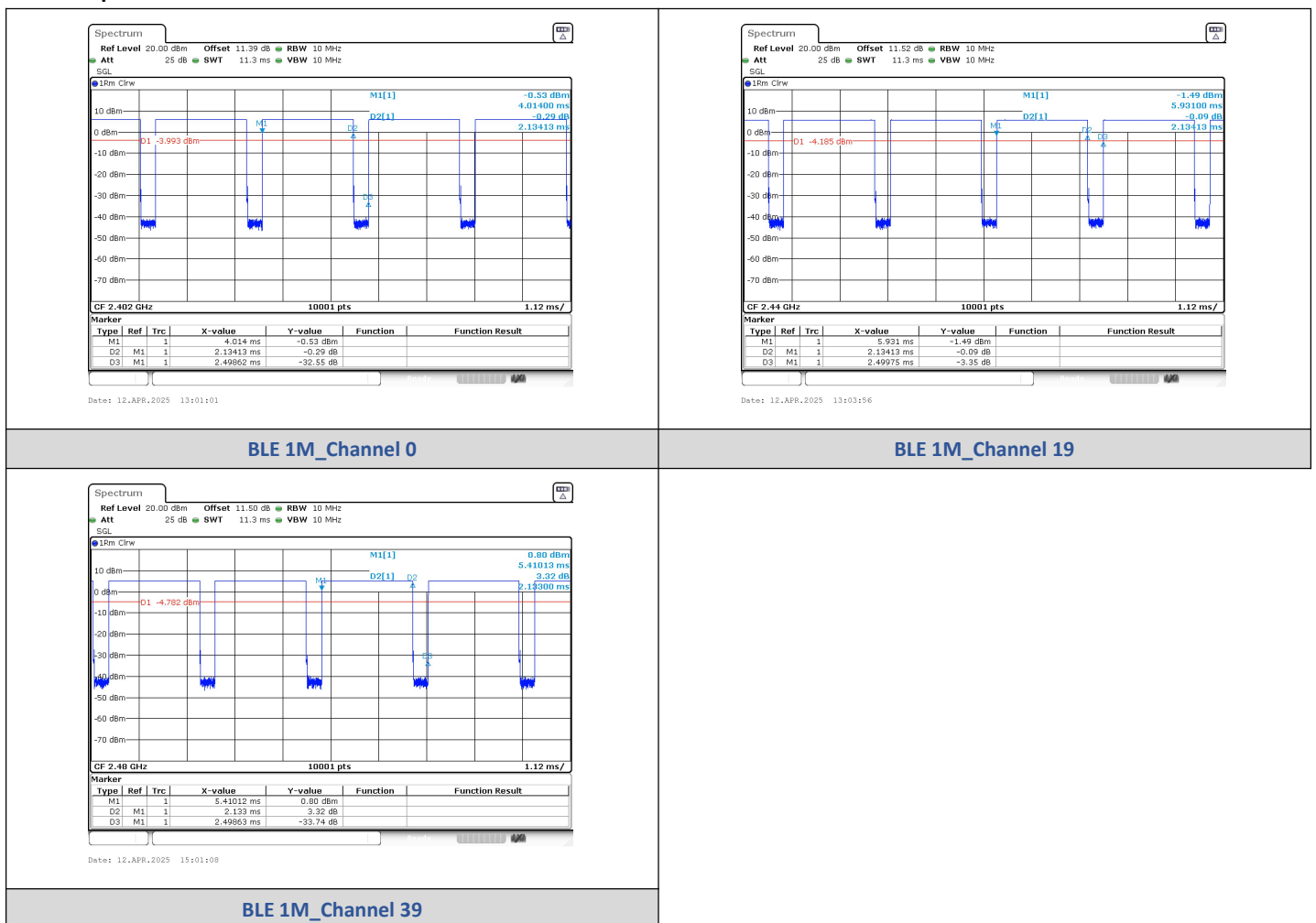
Project No.:	CISR250410096
Test Engineer:	James Wang
Supervised by:	Rory Huang

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	2.134	2.499	85.41	0.8541	0.6849	0.4686
	19	2.134	2.500	85.37	0.8537	0.6869	0.4686
	39	2.133	2.499	85.37	0.8537	0.6869	0.4688

Test Graphs

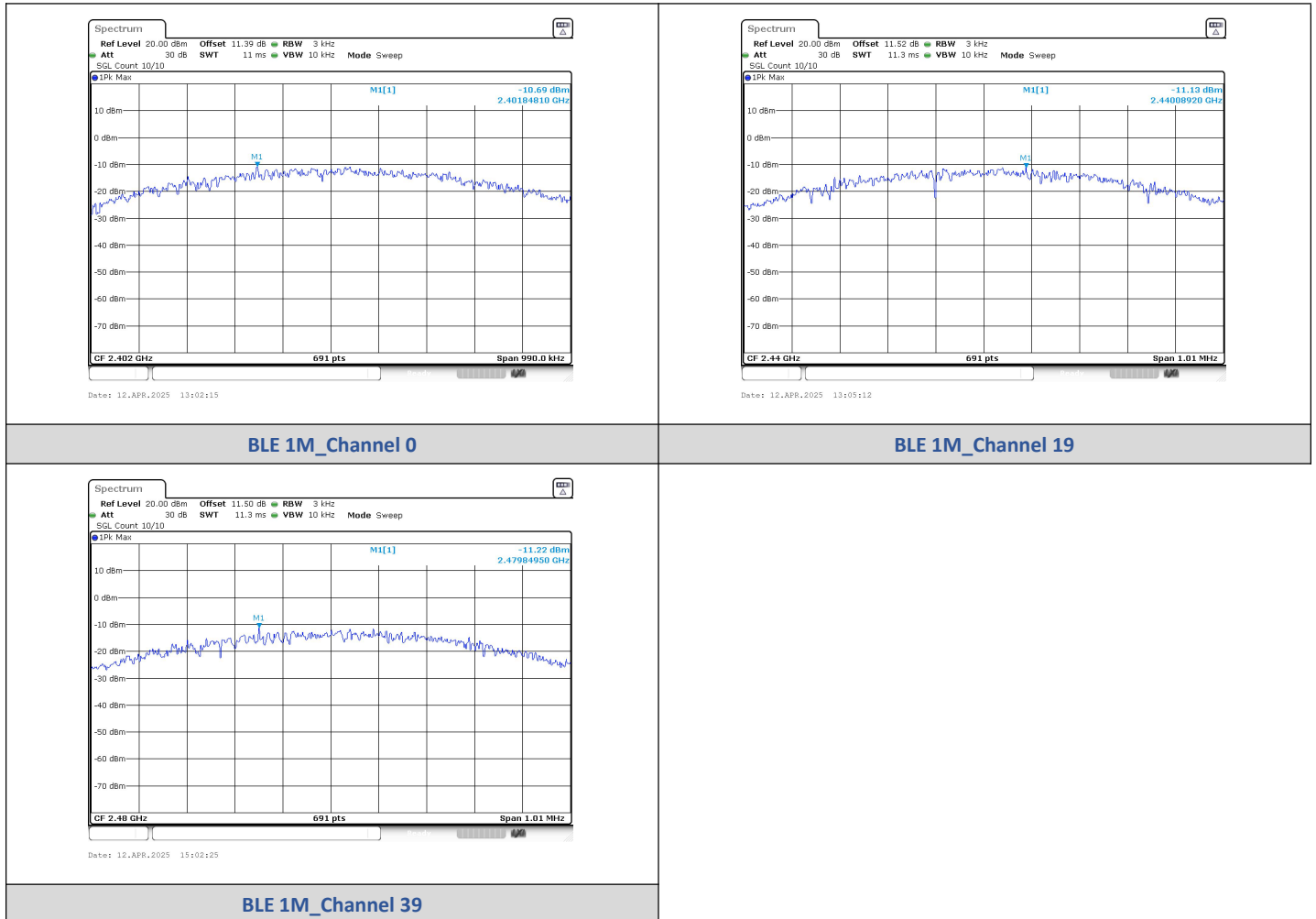


2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-10.690	≤8	PASS
BLE 1M	19	-11.130	≤8	PASS
BLE 1M	39	-11.220	≤8	PASS

Test Graphs

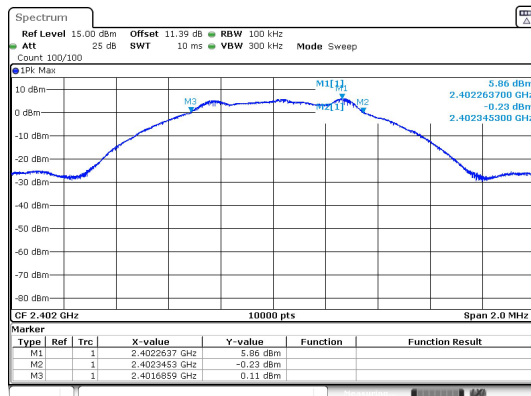


3) 6dB Bandwidth

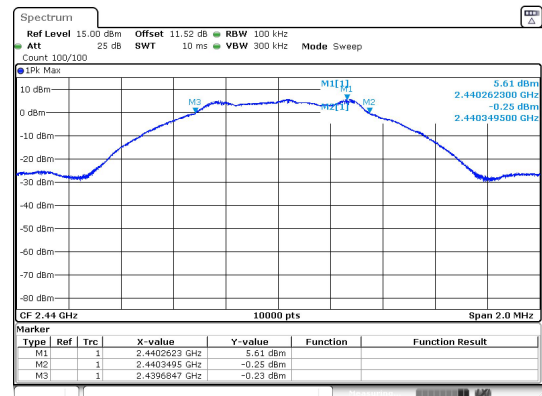
Test Result

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	0.6700		PASS

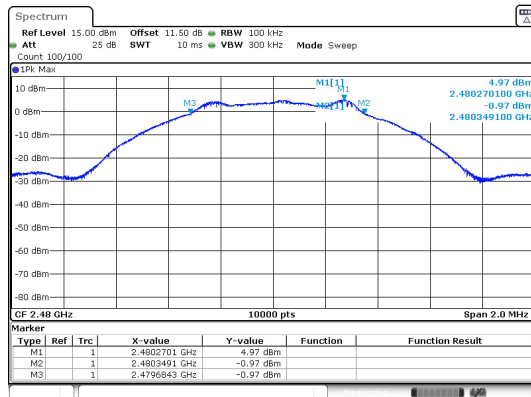
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



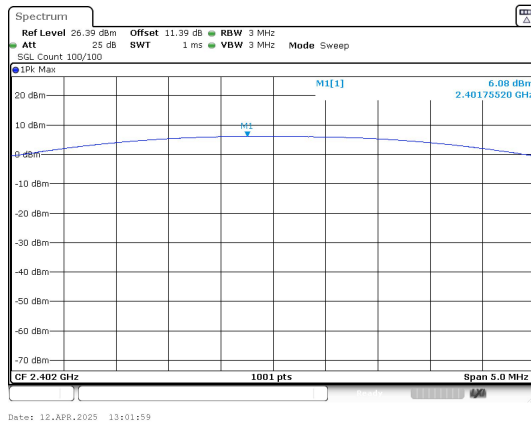
BLE 1M_Channel 39

4) Conducted Output Power

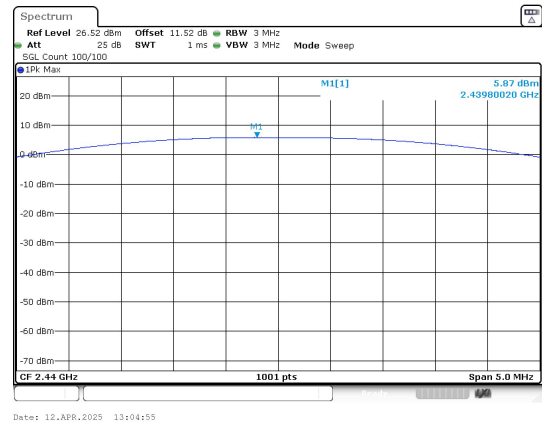
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	6.08	4.06	≤30	PASS
	19	5.87	3.86	≤30	PASS
	39	5.27	3.37	≤30	PASS

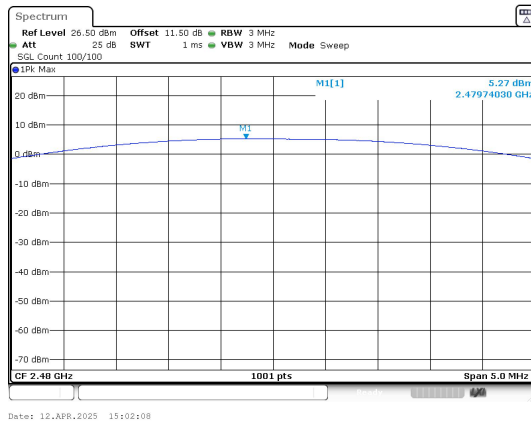
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



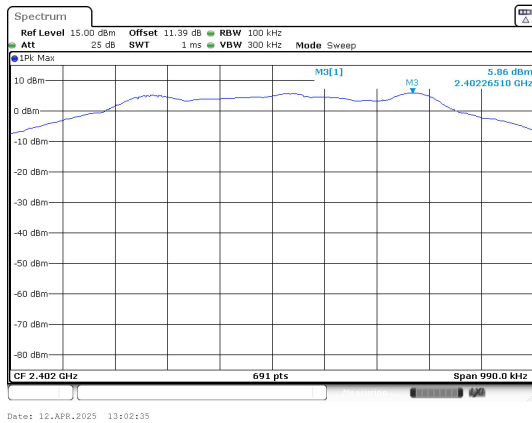
Peak Output Power
BLE 1M_Channel 39

5) Conducted Out Of Band Emission

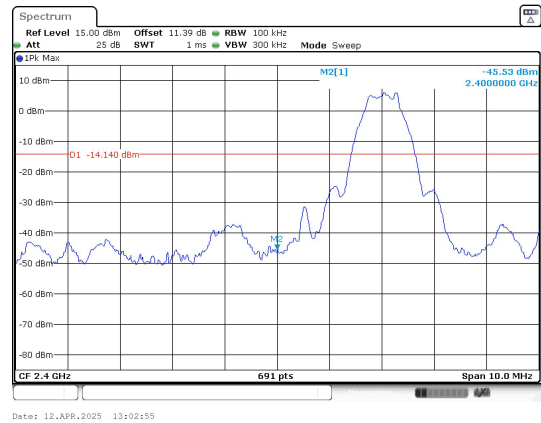
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-38.414	-14.14	-24.274	PASS
		2400.00	-45.530	-14.14	-31.390	PASS
		7205.10	-39.863	-14.14	-25.723	PASS
	19	9753.73	-40.203	-14.39	-25.813	PASS
	39	2483.50	-44.950	-14.95	-30.000	PASS
		9914.37	-37.186	-14.95	-22.236	PASS

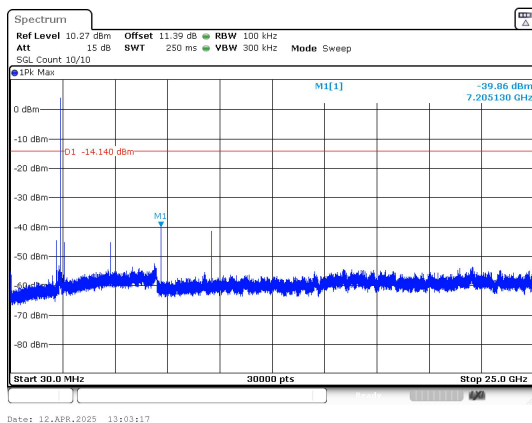
Test Graphs



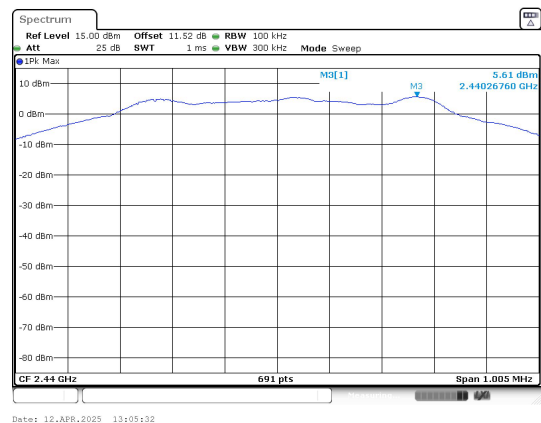
In-Band Reference Level
BLE 1M_Channel 0



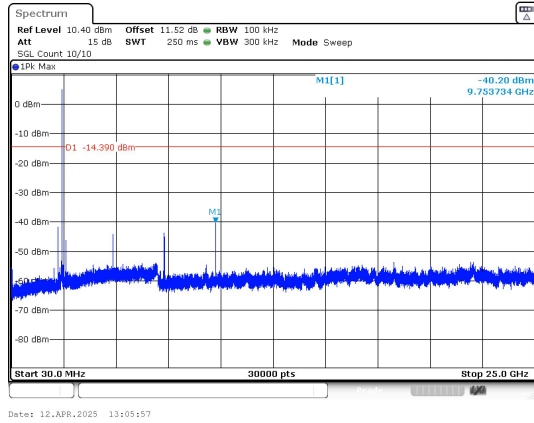
Out Of Band Emission
BLE 1M_Channel 0



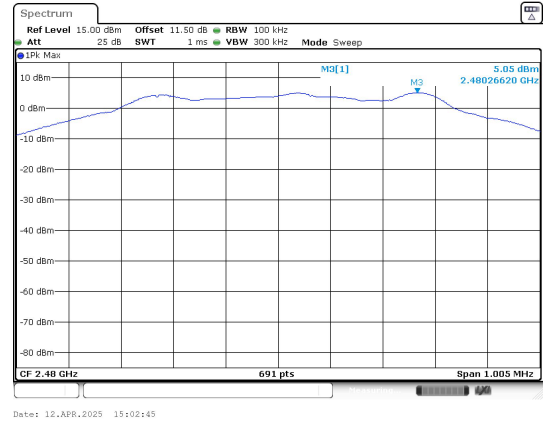
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



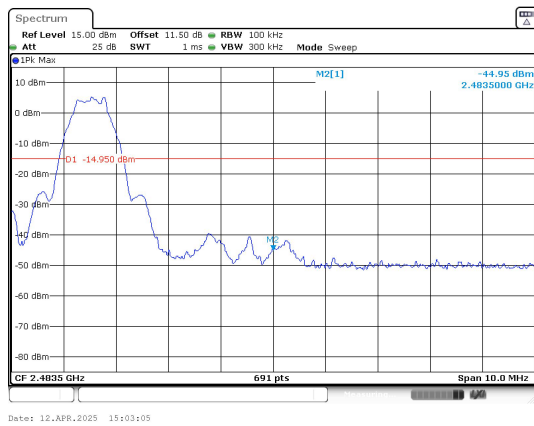
In-Band Reference Level
BLE 1M_Channel 19



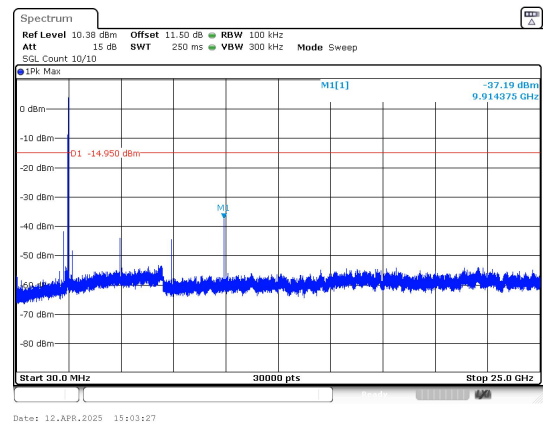
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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-----