

Appendix Report

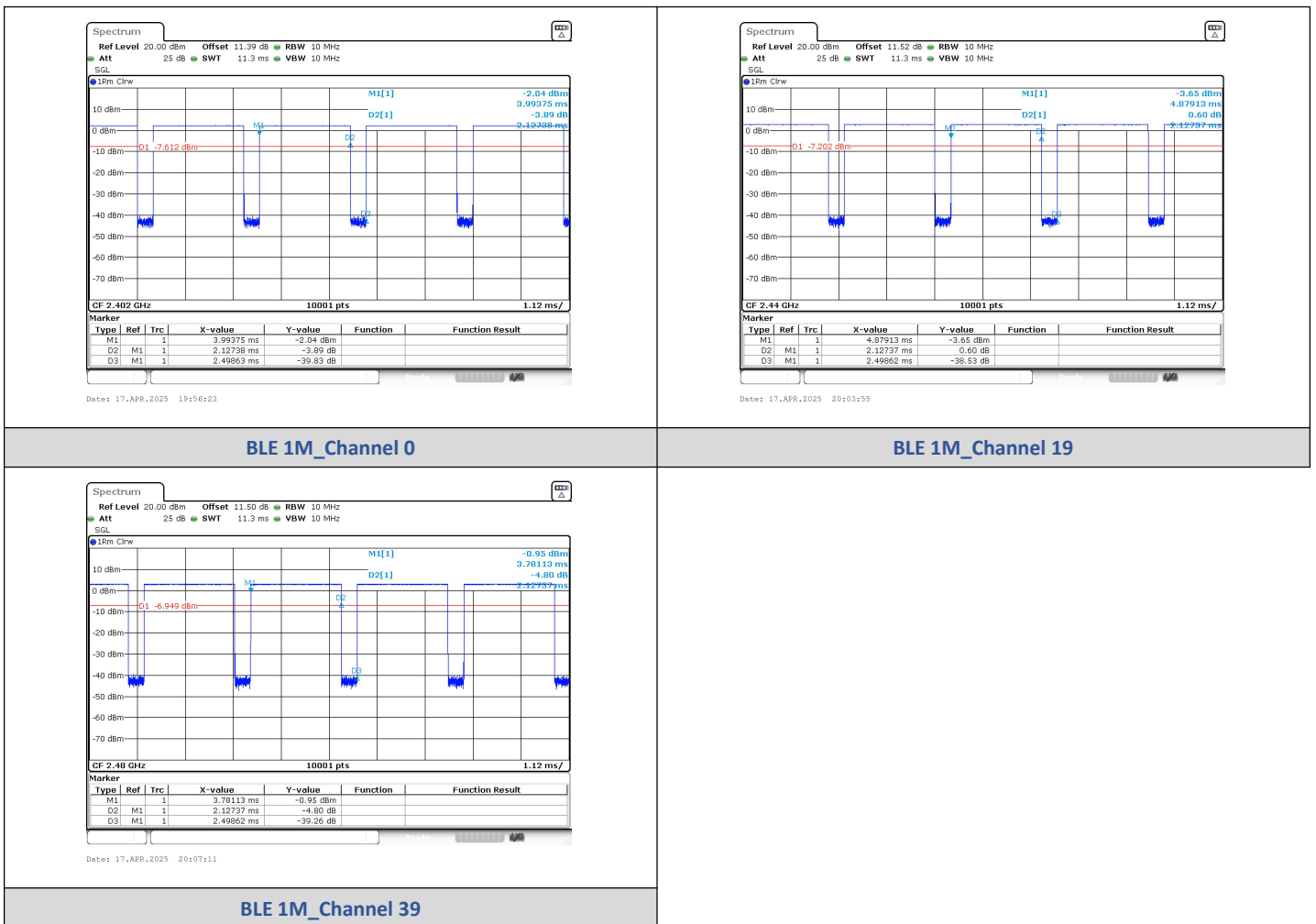
Project No.:	CISR250416150
Test Engineer:	James Wang
Supervised by:	Rory Huang

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

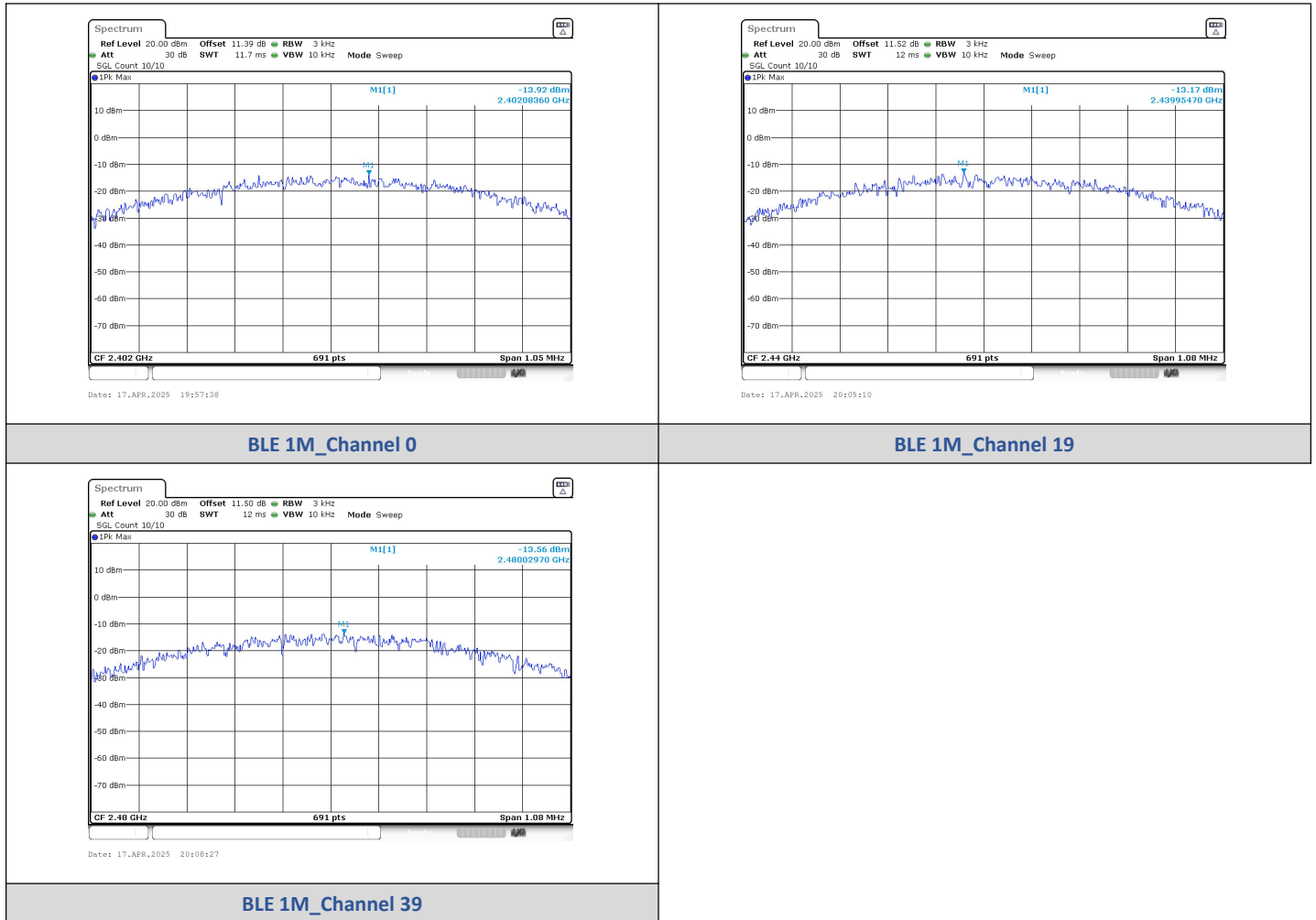


2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-13.920	≤8	PASS
BLE 1M	19	-13.170	≤8	PASS
BLE 1M	39	-13.560	≤8	PASS

Test Graphs

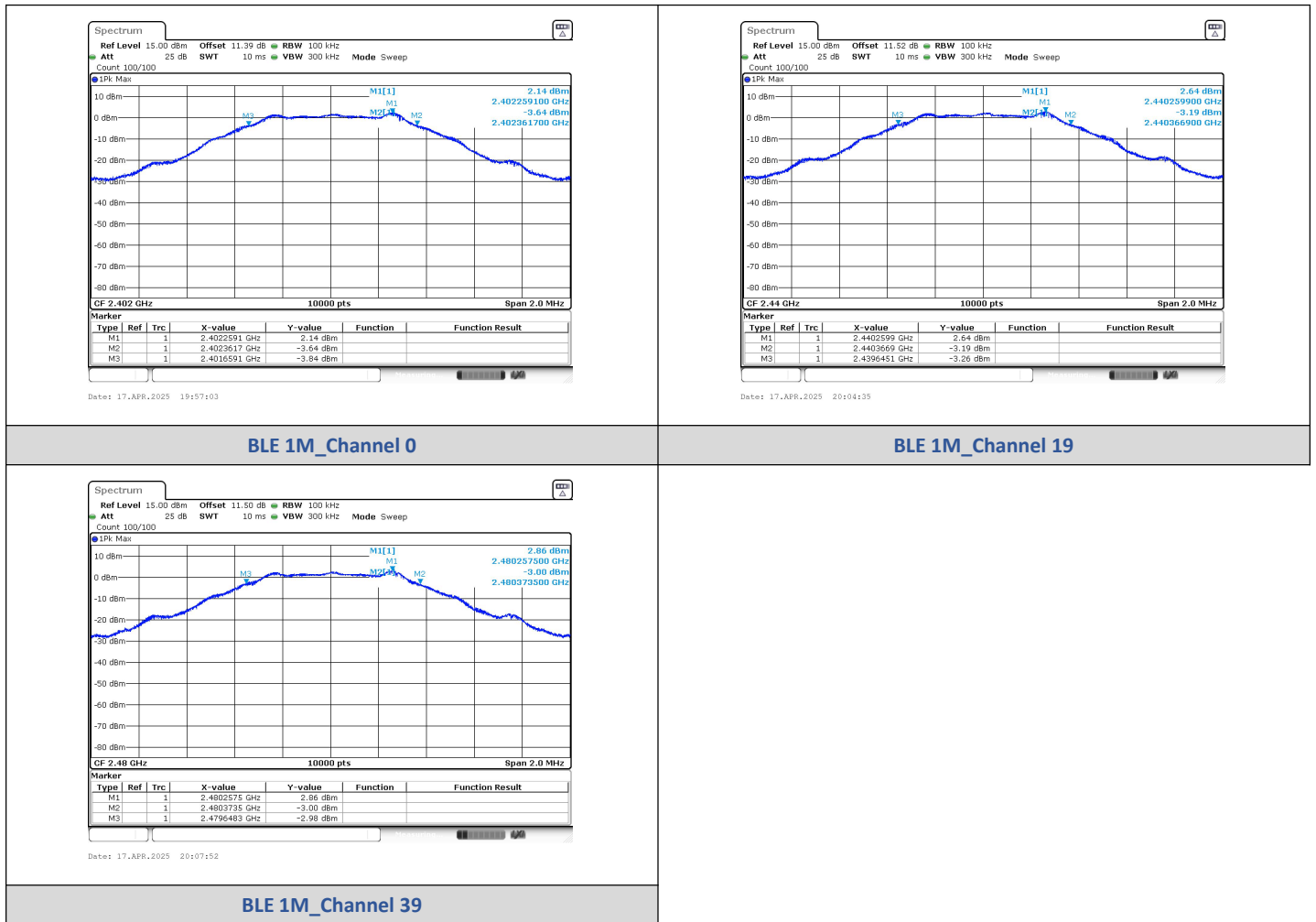


3) 6dB Bandwidth

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

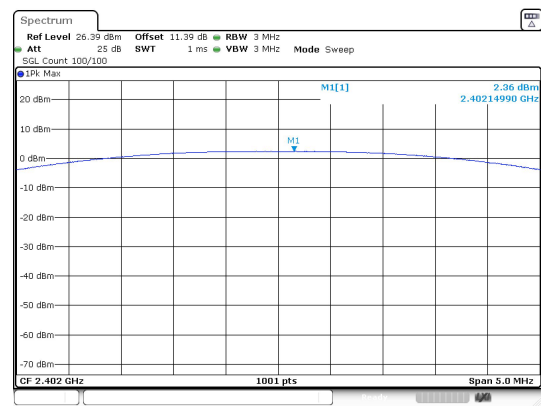
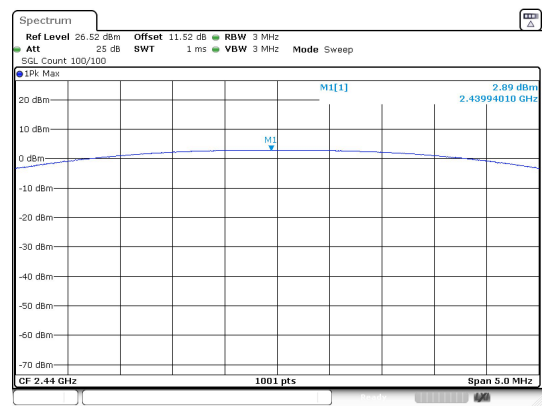
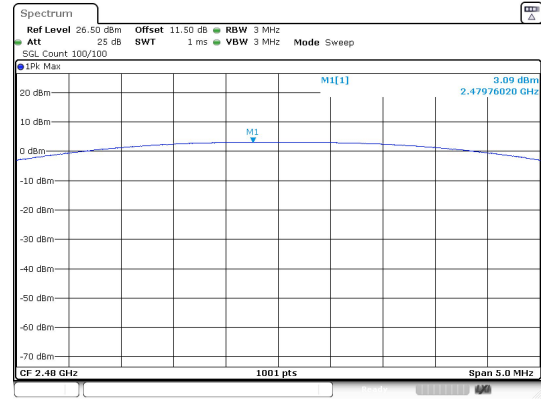


4) Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	2.36	1.72	≤30	PASS
	19	2.89	1.95	≤30	PASS
	39	3.09	2.04	≤30	PASS

Test Graphs

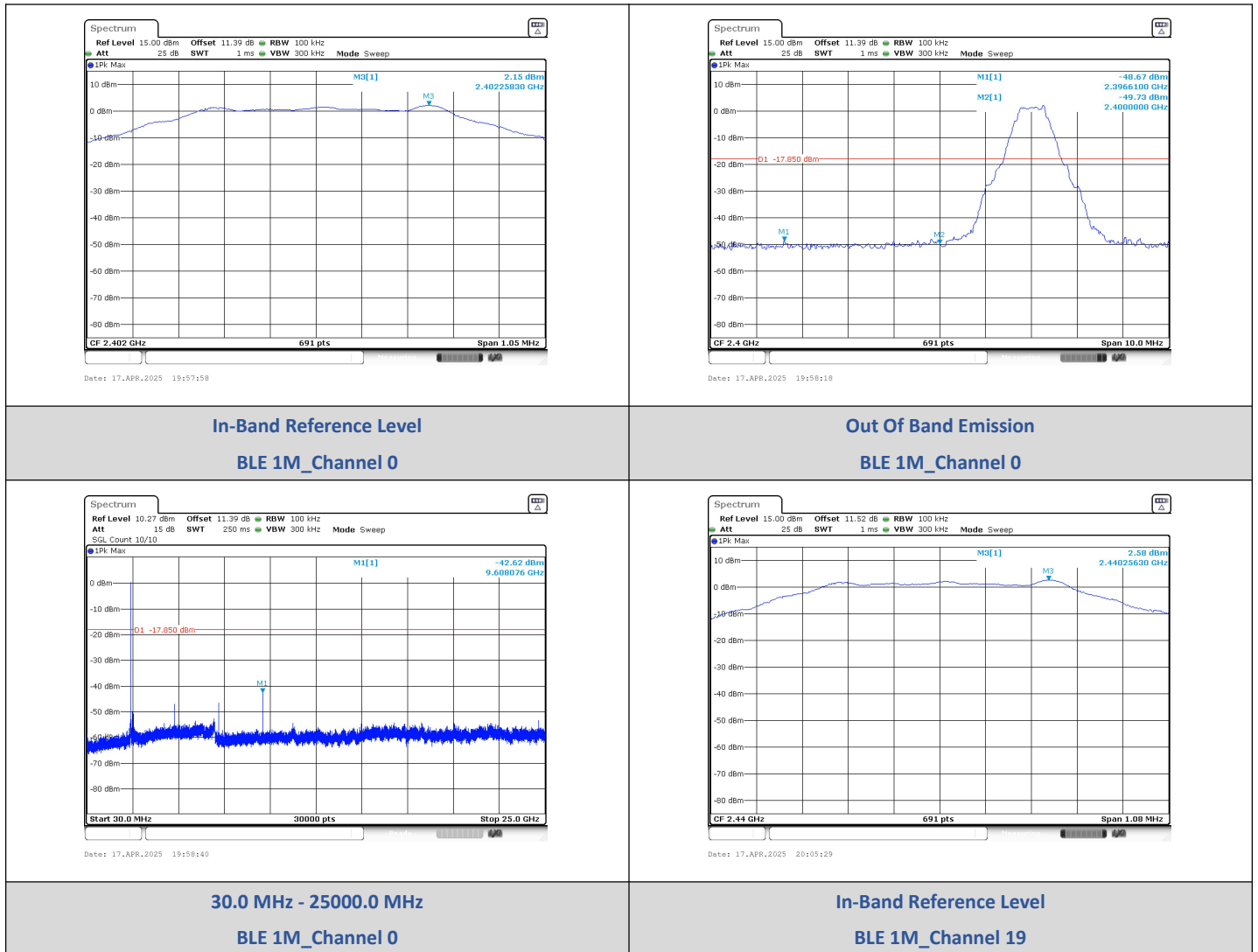
 <p>Peak Output Power BLE 1M_Channel 0</p>	 <p>Peak Output Power BLE 1M_Channel 19</p>
 <p>Peak Output Power BLE 1M_Channel 39</p>	

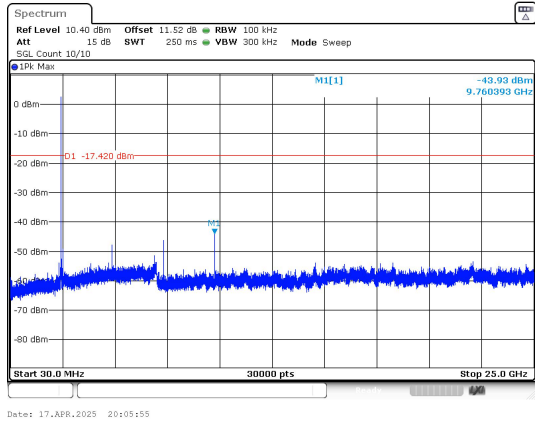
5) Conducted Out Of Band Emission

Test Result

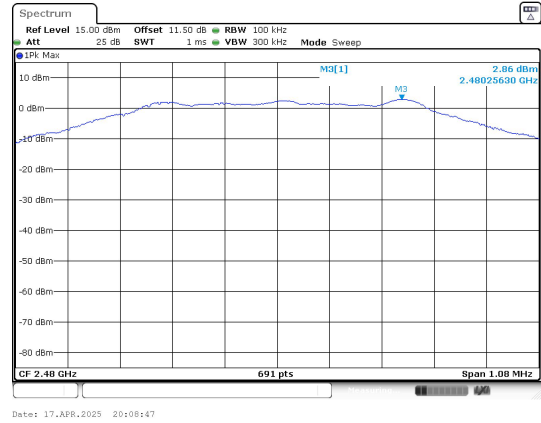
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
BLE 1M	0	2396.61	-48.671	-17.85	-30.821	PASS	
		2400.00	-49.730	-17.85	-31.880	PASS	
		9608.10	-42.622	-17.85	-24.772	PASS	
	19	9760.39	-43.934	-17.42	-26.514	PASS	
		39	2483.50	-49.090	-17.14	-31.950	PASS
			9920.20	-44.839	-17.14	-27.699	PASS

Test Graphs

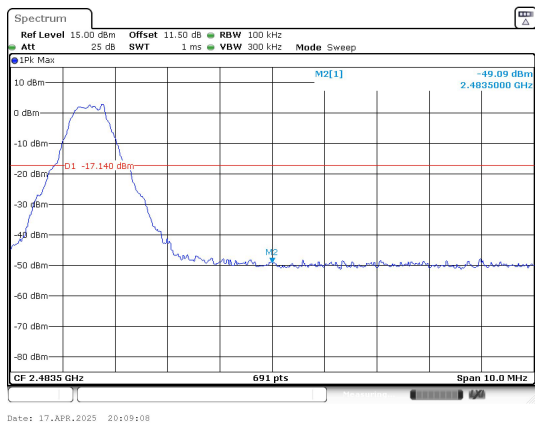




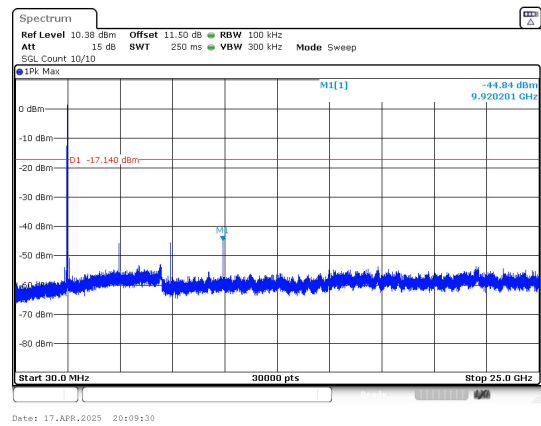
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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-----