

Appendix Report

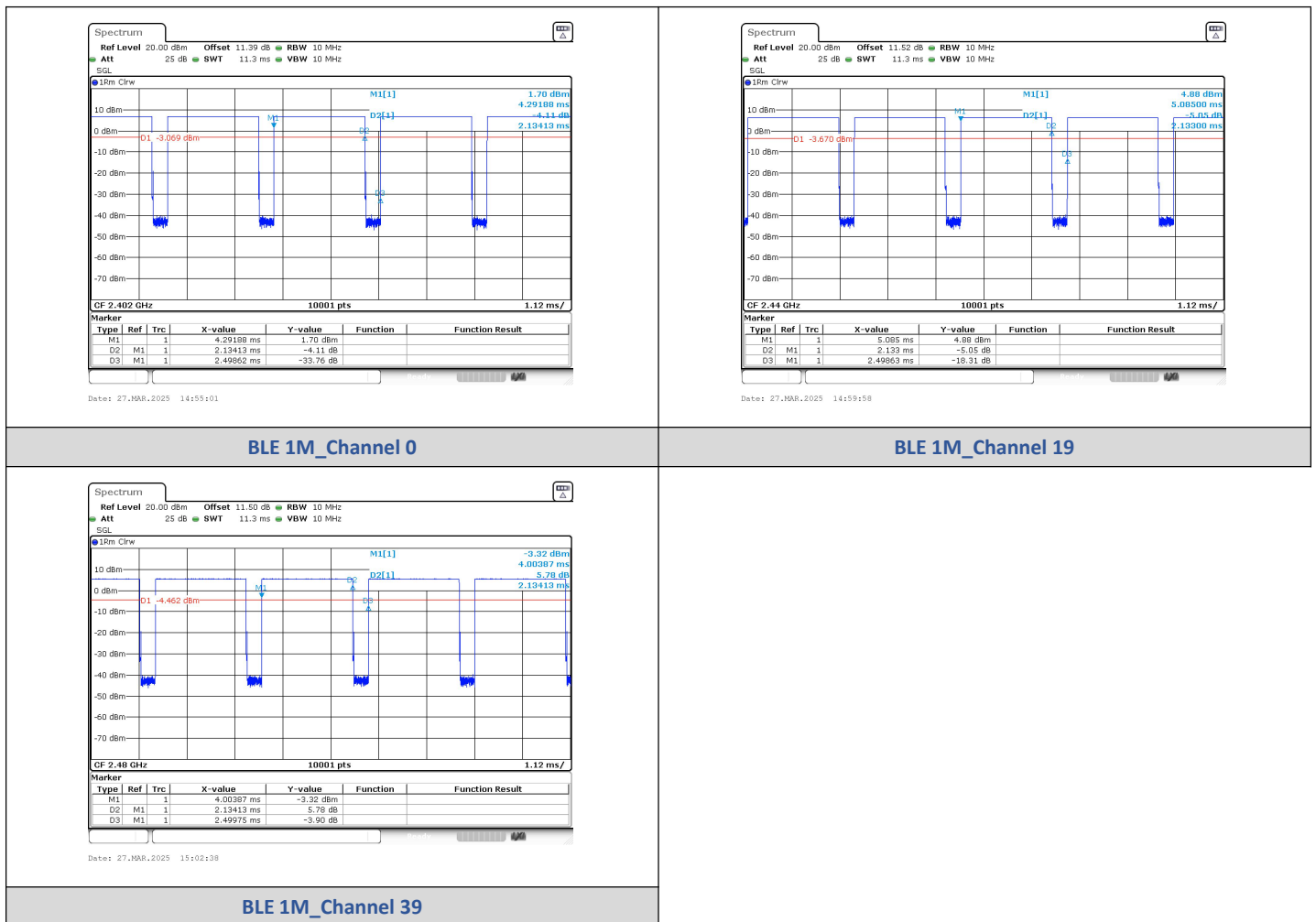
Project No.:	CISR250322191
Test Engineer:	James Wang
Supervised by:	Rory Huang

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	2.133	2.499	85.37	0.8537	0.6869	0.4688
	39	2.134	2.500	85.37	0.8537	0.6869	0.4686

Test Graphs

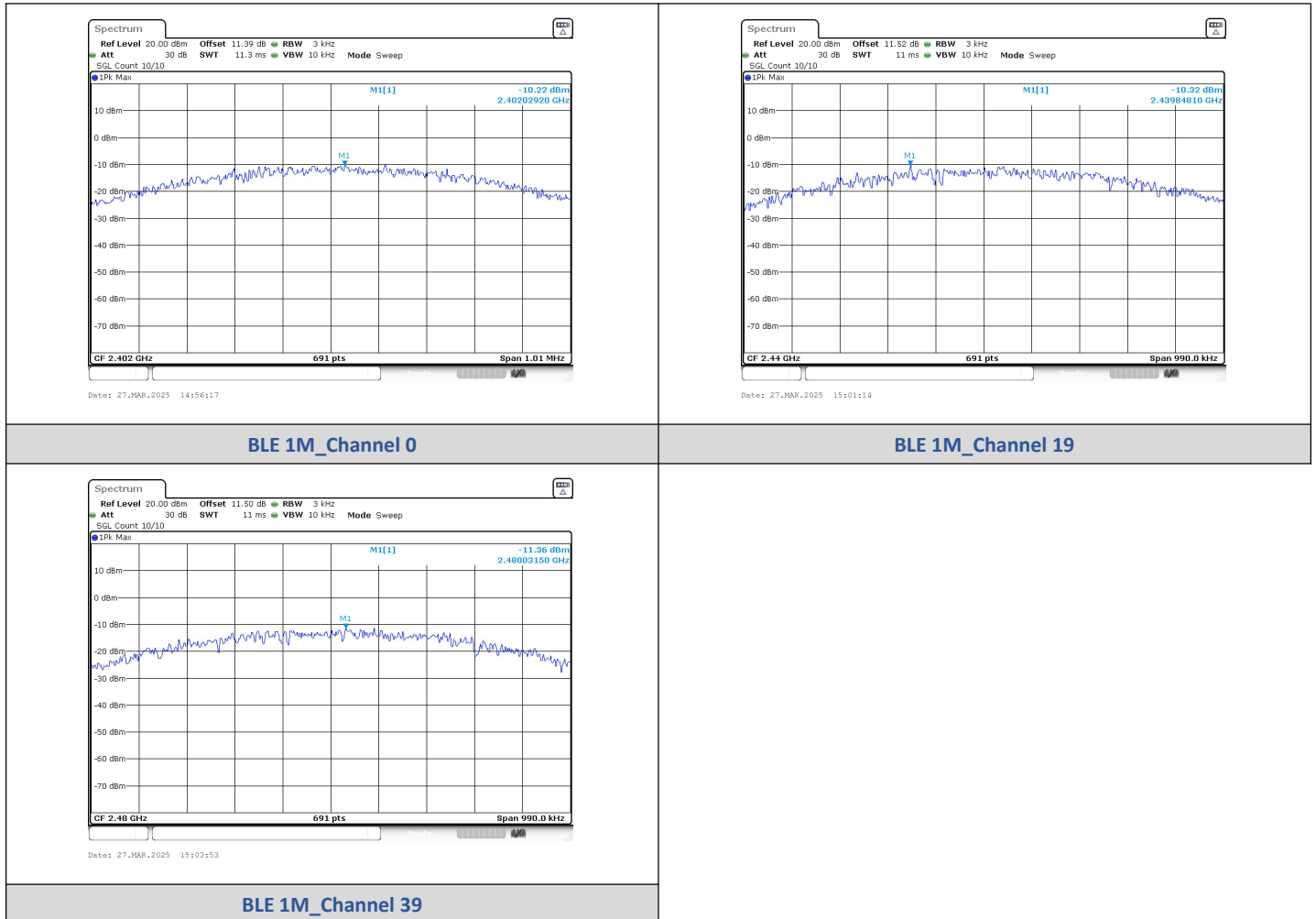


2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-10.220	≤8	PASS
BLE 1M	19	-10.320	≤8	PASS
BLE 1M	39	-11.360	≤8	PASS

Test Graphs

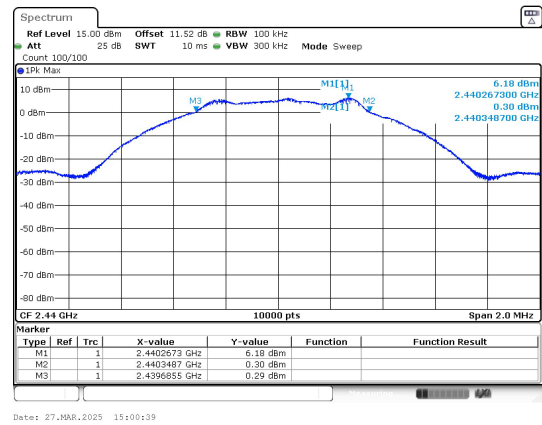
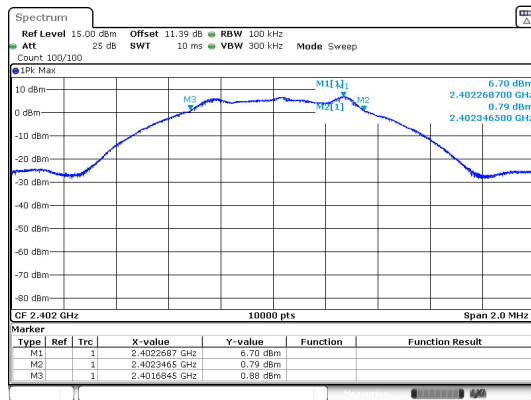


3) 6dB Bandwidth

Test Result

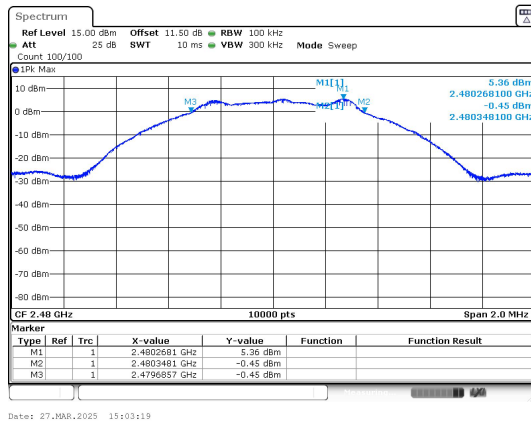
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6700	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS

Test Graphs



BLE 1M_Channel 0

BLE 1M_Channel 19



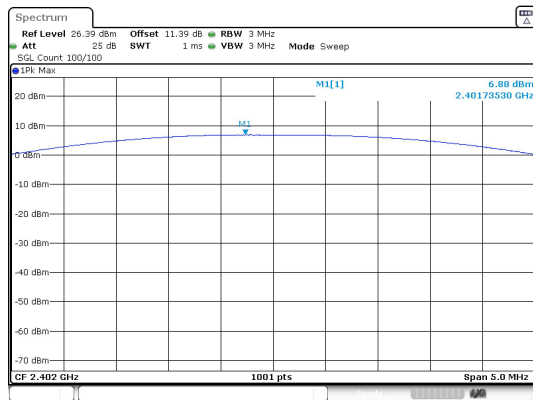
BLE 1M_Channel 39

4) Conducted Output Power

Test Result

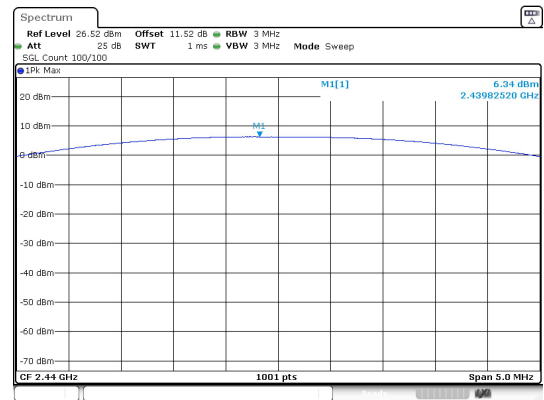
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	6.88	4.88	≤30	PASS
	19	6.34	4.31	≤30	PASS
	39	5.59	3.62	≤30	PASS

Test Graphs



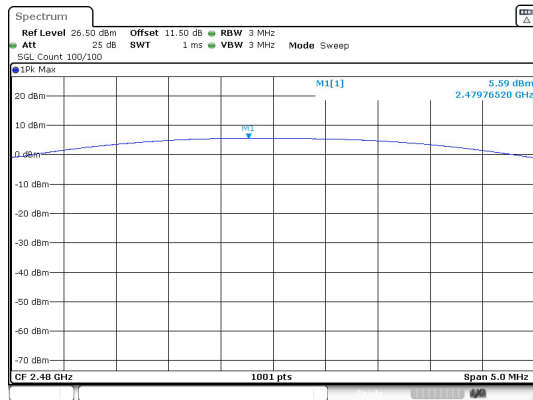
Date: 27.MAR.2025 14:56:00

Peak Output Power
BLE 1M_Channel 0



Date: 27.MAR.2025 15:00:57

Peak Output Power
BLE 1M_Channel 19



Date: 27.MAR.2025 15:03:37

Peak Output Power
BLE 1M_Channel 39

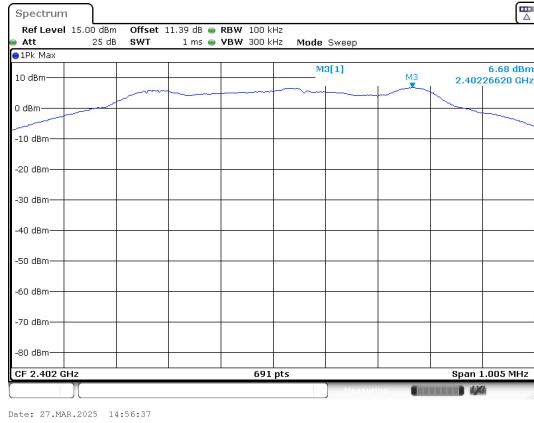
5) Conducted Out Of Band Emission

Test Result

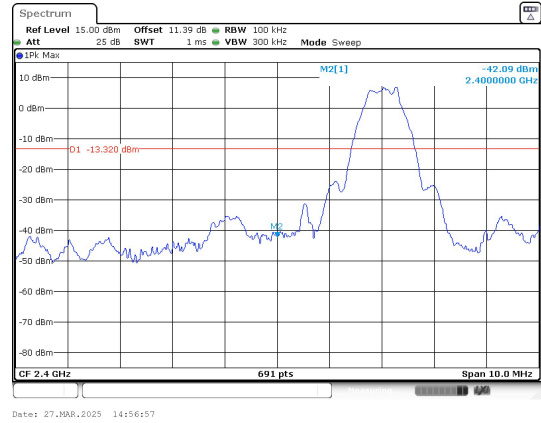
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
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BLE 1M	0	2399.00	-36.058	-13.32	-22.738	PASS
		2400.00	-42.090	-13.32	-28.770	PASS
		9602.20	-41.301	-13.32	-27.981	PASS
	19	9753.73	-39.684	-13.83	-25.854	PASS
	39	2483.50	-44.170	-14.67	-29.500	PASS
		9914.37	-36.901	-14.67	-22.231	PASS

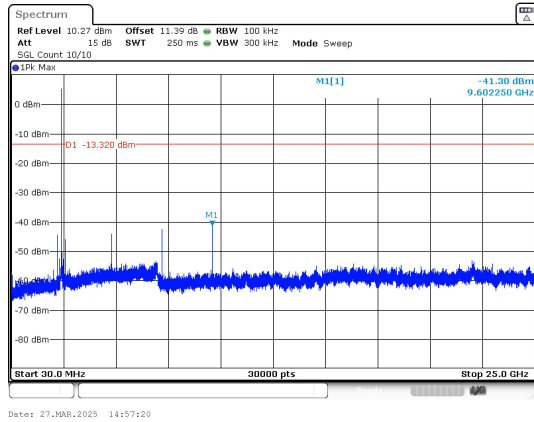
Test Graphs



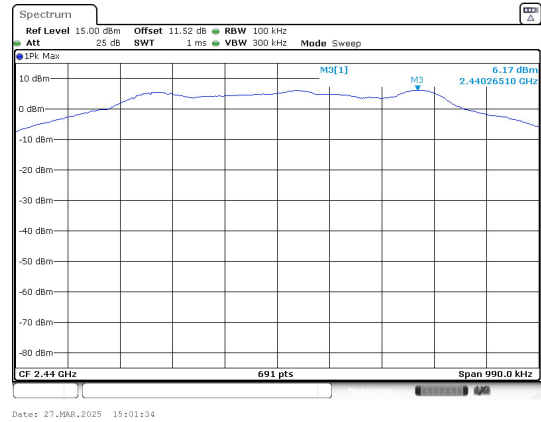
In-Band Reference Level
BLE 1M_Channel 0



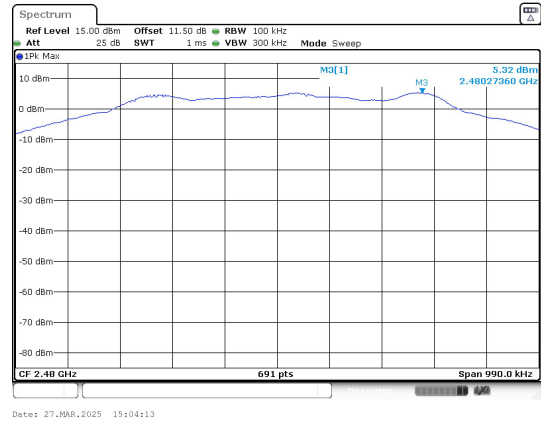
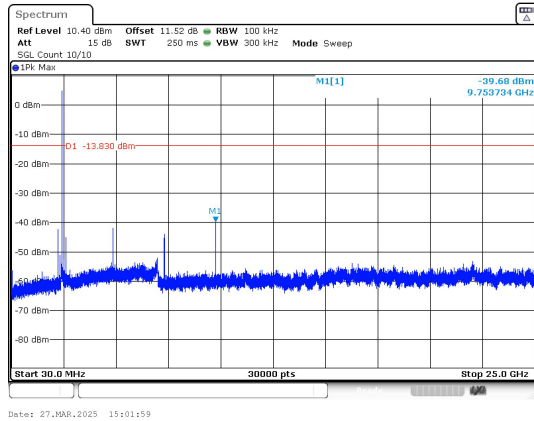
Out Of Band Emission
BLE 1M_Channel 0



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
Spectrum Ref Level 15.00 dBm Offset 11.50 dB RBW 100 kHz ATF 25 dB SWT 1 ms VBW 300 kHz Mode Sweep 1Pk Max 01 -14.670 dBm M2[1] -44.17 dBm 2.4835000 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm CF 2.4835 GHz 691 pts Span 10.0 MHz Date: 27.Nov.2025 15:04:33	Spectrum Ref Level 10.36 dBm Offset 11.50 dB RBW 100 kHz ATF 15 dB SWT 250 ms VBW 300 kHz Mode Sweep 1Pk Max 01 -14.670 dBm M1[1] -36.90 dBm 9.914075 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Start 30.0 MHz 30000 pts Stop 25.0 GHz Date: 27.Nov.2025 15:04:56
Out Of Band Emission BLE 1M_Channel 39	30.0 MHz - 25000.0 MHz BLE 1M_Channel 39

-----End of the report-----