Appendix Report

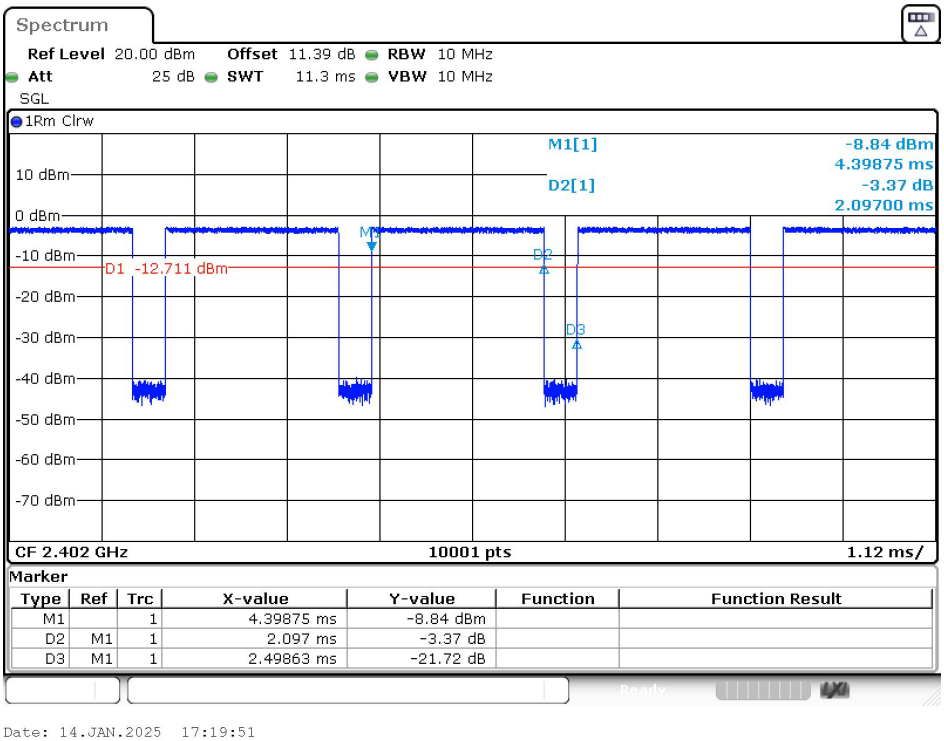
Report No.:	CISRR25010905405
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

1) Duty Cycle

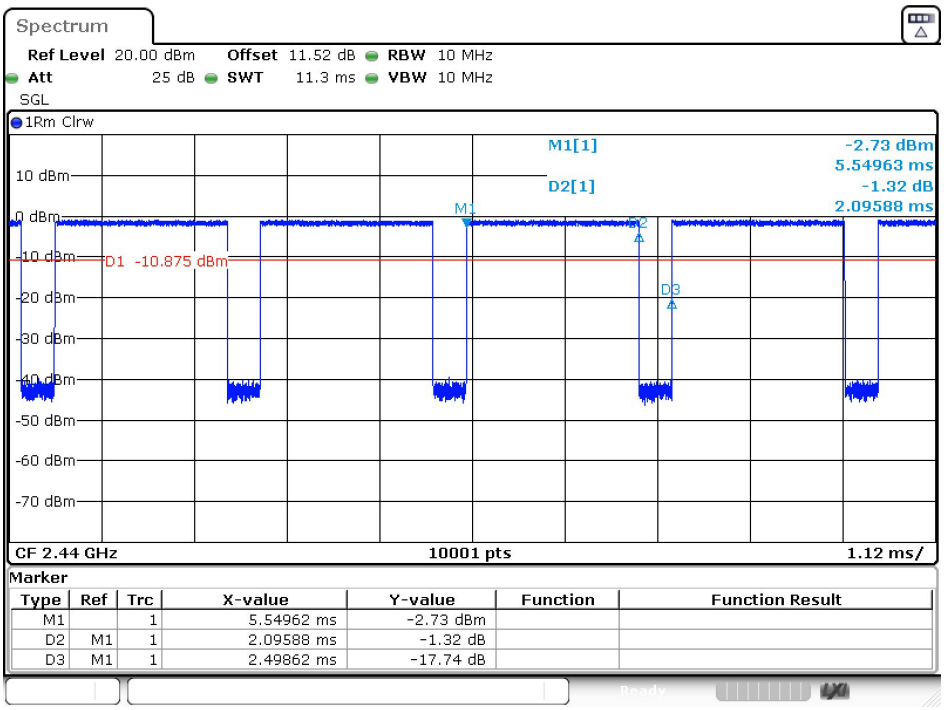
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.097	2.499	83.93	0.8393	0.7608	0.4769
	19	2.096	2.499	83.88	0.8388	0.7634	0.4771
	39	2.096	2.499	83.88	0.8388	0.7634	0.4771

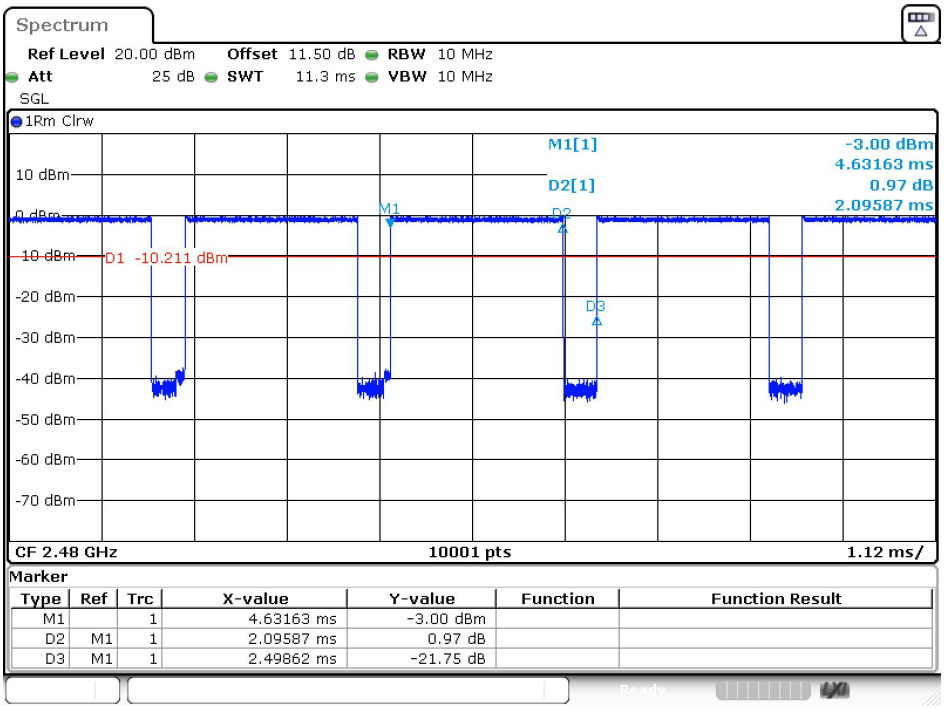
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



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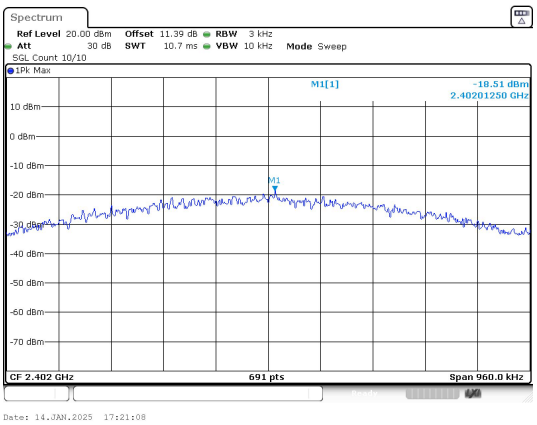
2) Power Spectral Density

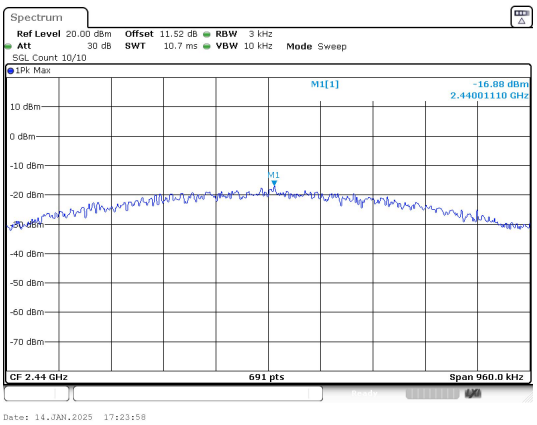
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-18.510	≤8	PASS
BLE 1M	19	-16.880	≤8	PASS
BLE 1M	39	-17.660	≤8	PASS

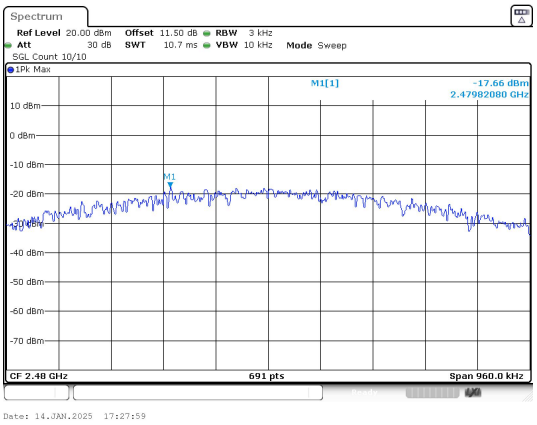
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



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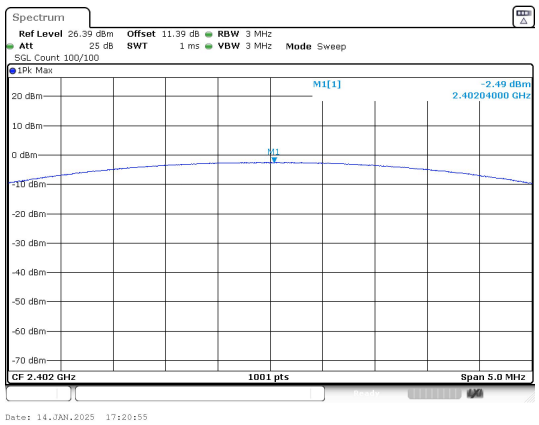
3) Conducted Output Power

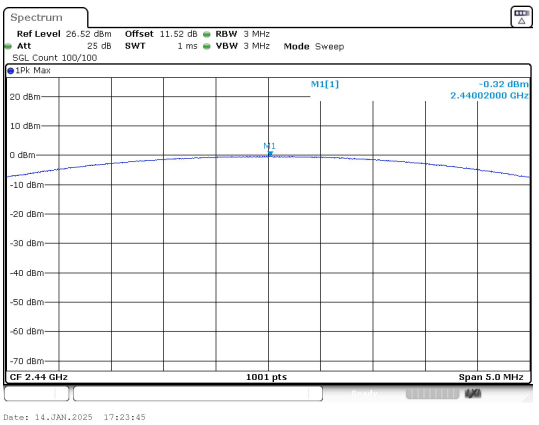
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-2.49	0.56	≤30	PASS
	19	-0.32	0.93	≤30	PASS
	39	-0.00	1.0	≤30	PASS

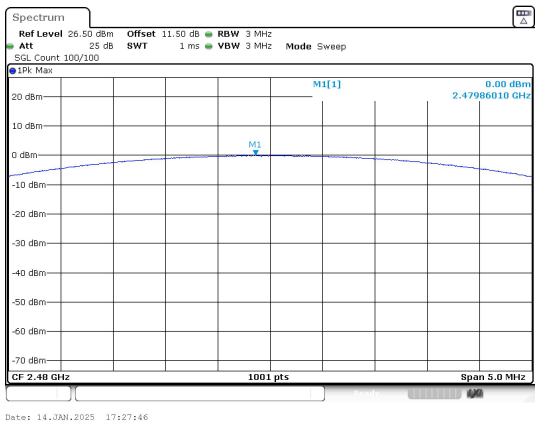
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



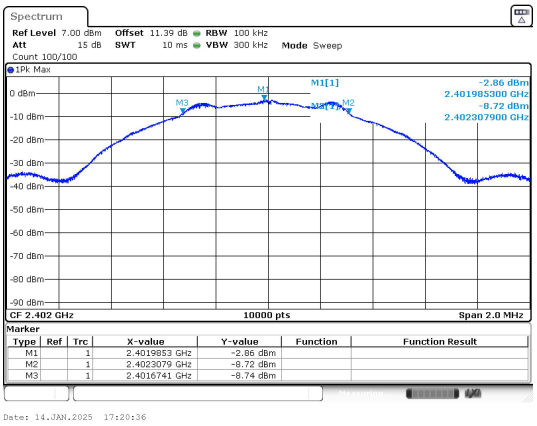
Peak Output Power
BLE 1M_Channel 39

4) 6dB Bandwidth

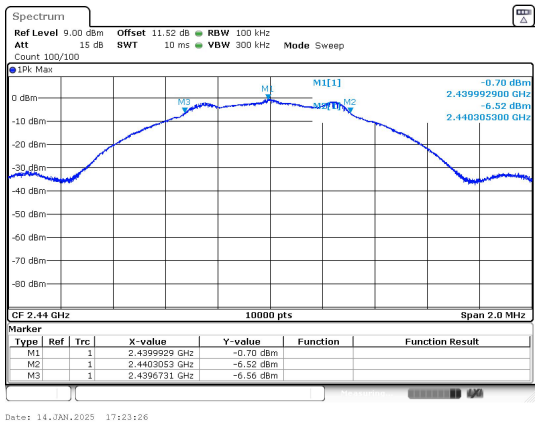
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6400	≥0.5	PASS
	19	2440	0.6400		PASS
	39	2480	0.6400		PASS

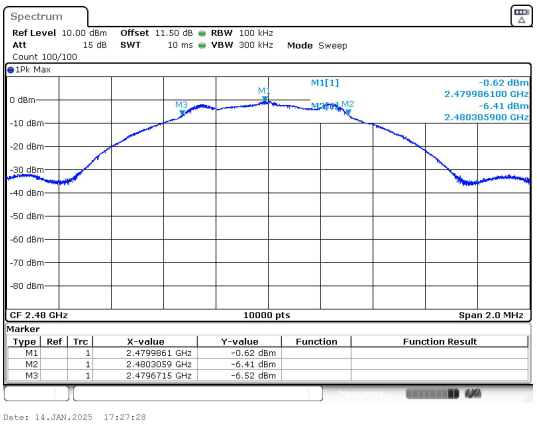
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



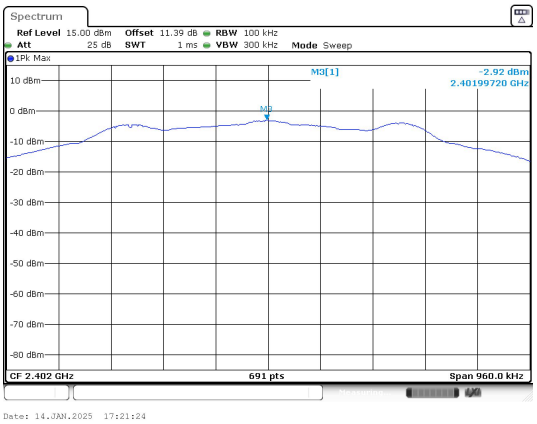
BLE 1M_Channel 39

5) Conducted Out Of Band Emission

Test Result

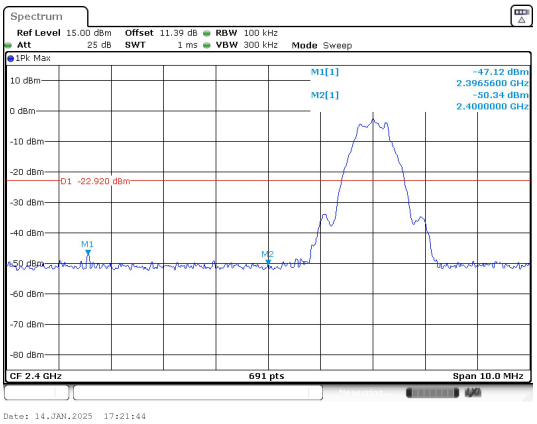
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2396.56	-47.121	-22.92	-24.201	PASS
		2400.00	-50.340	-22.92	-27.420	PASS
		6933.80	-52.974	-22.92	-30.054	PASS
	19	6930.46	-52.400	-20.77	-31.630	PASS
	39	2483.50	-50.390	-20.45	-29.940	PASS
		6597.53	-54.052	-20.45	-33.602	PASS

Test Graphs



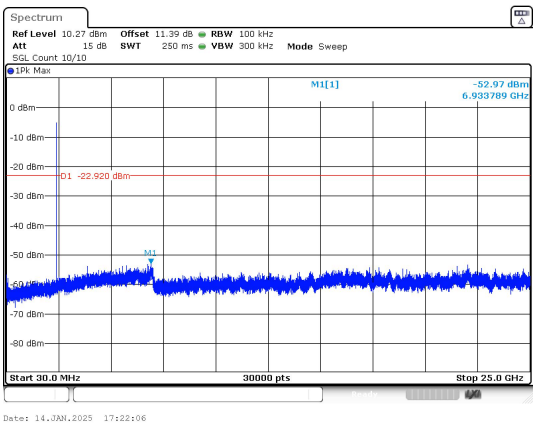
In-Band Reference Level

BLE 1M_Channel 0



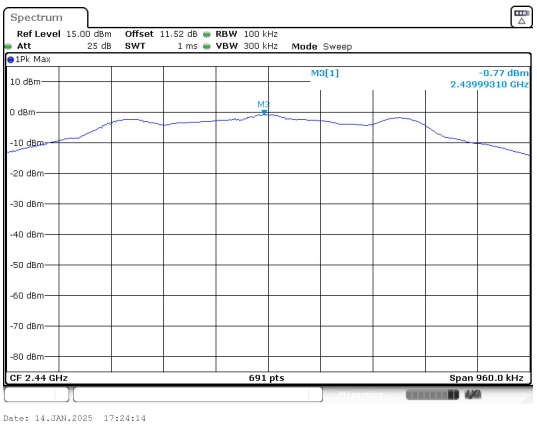
Out Of Band Emission

BLE 1M_Channel 0



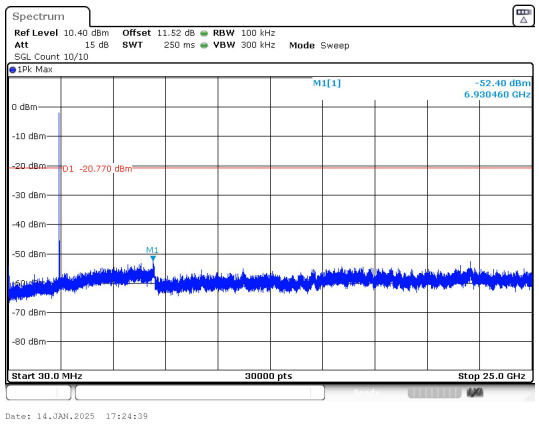
30.0 MHz - 25000.0 MHz

BLE 1M_Channel 0



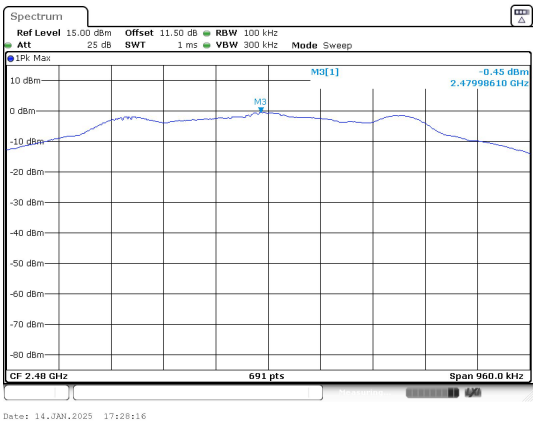
In-Band Reference Level

BLE 1M_Channel 19



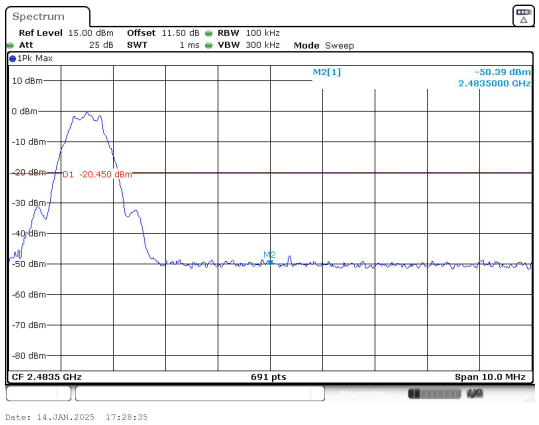
30.0 MHz - 25000.0 MHz

BLE 1M_Channel 19



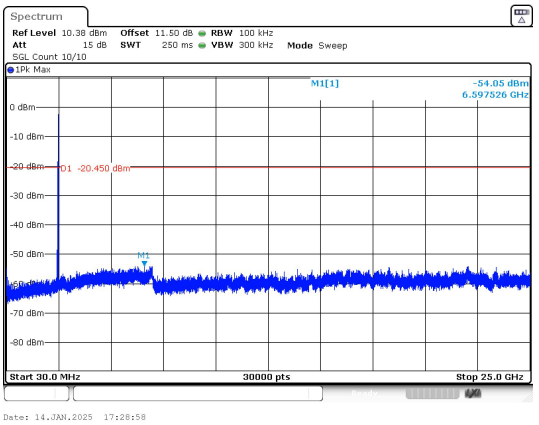
In-Band Reference Level

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-----