Appendix Report

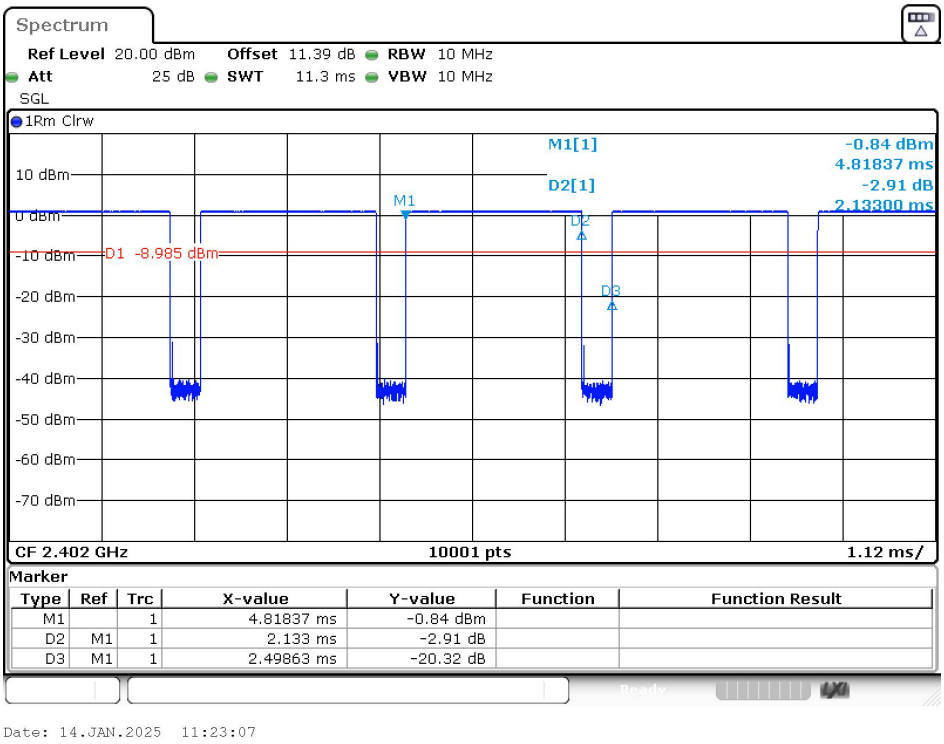
CISRR25010803901	CISRR25010803901
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

1) Duty Cycle

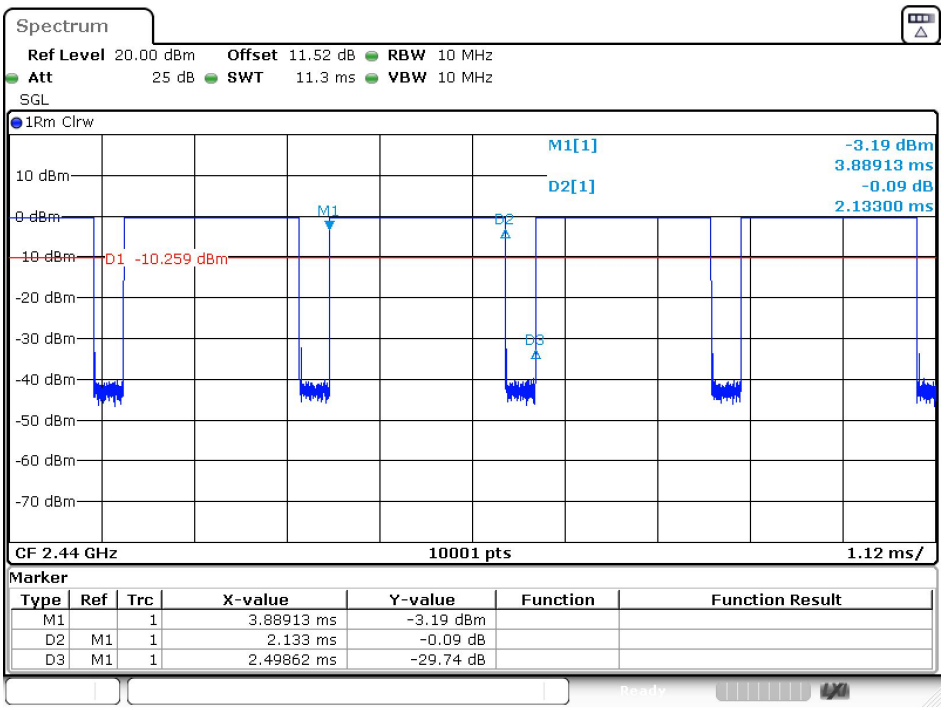
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.499	85.37	0.8537	0.6869	0.4688
	19	2.133	2.499	85.37	0.8537	0.6869	0.4688
	39	2.133	2.499	85.37	0.8537	0.6869	0.4688

Test Graphs

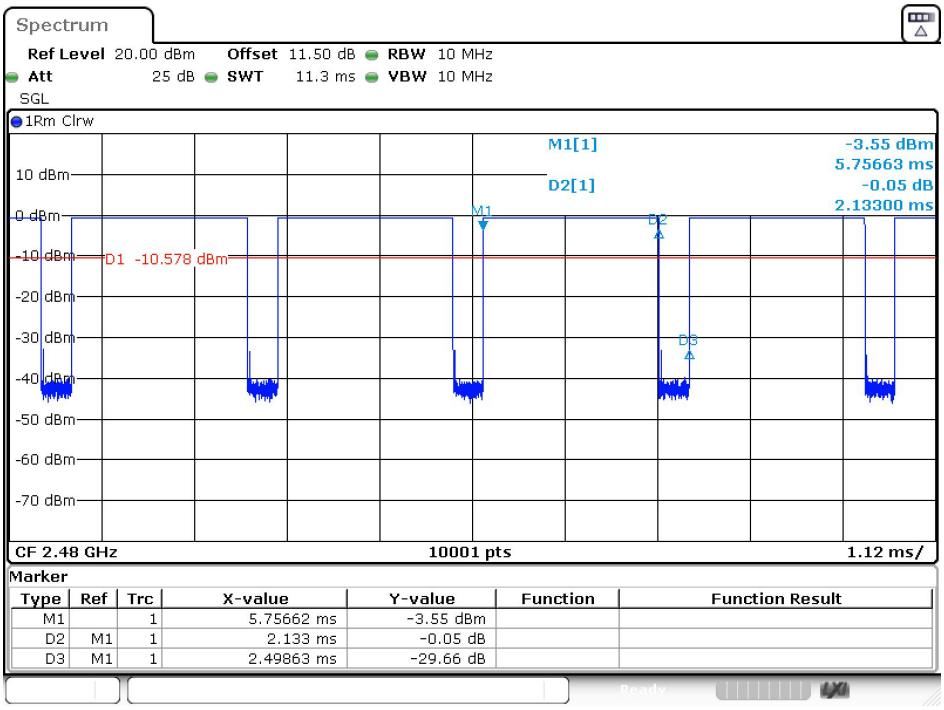


BLE 1M_Channel 0



Date: 14.JAN.2025 11:26:05

BLE 1M_Channel 19



Date: 14.JAN.2025 11:28:40

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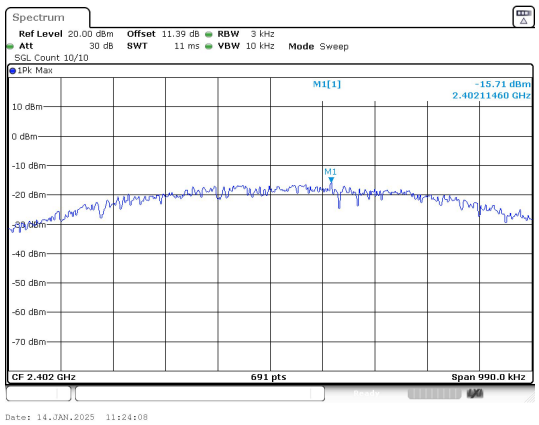
2) Power Spectral Density

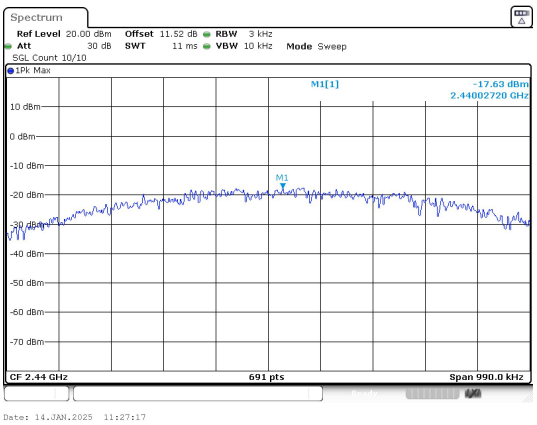
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-15.710	≤8	PASS
BLE 1M	19	-17.630	≤8	PASS
BLE 1M	39	-17.750	≤8	PASS

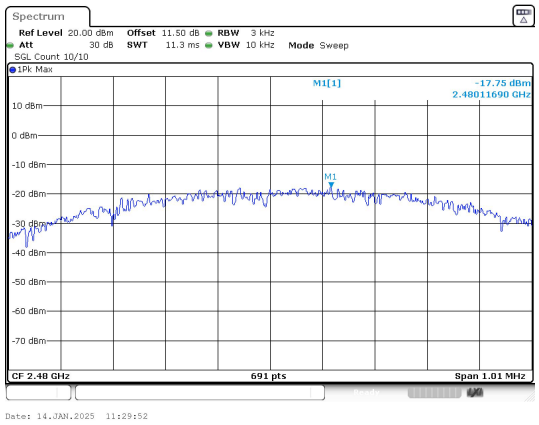
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



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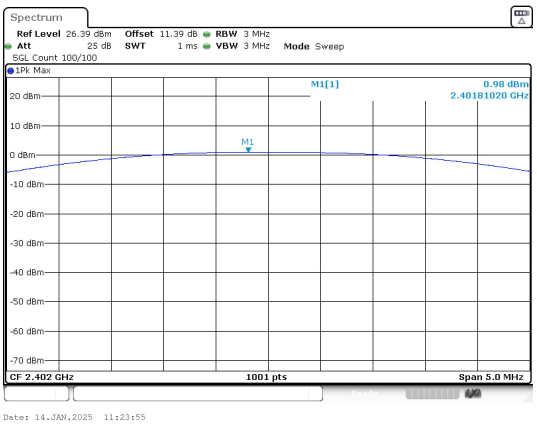
3) Conducted Output Power

Test Result

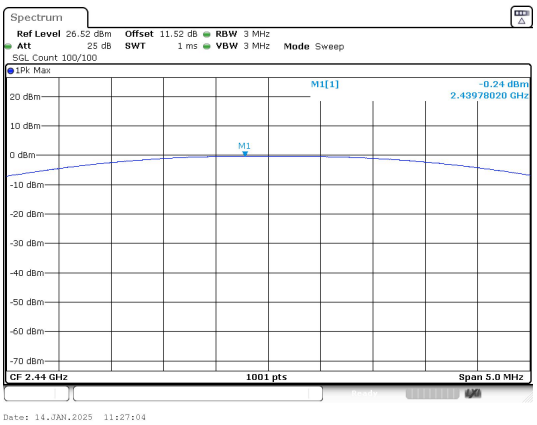
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	0.98	1.25	≤30	PASS
	19	-0.24	0.95	≤30	PASS
	39	-0.55	0.88	≤30	PASS

Test Graphs



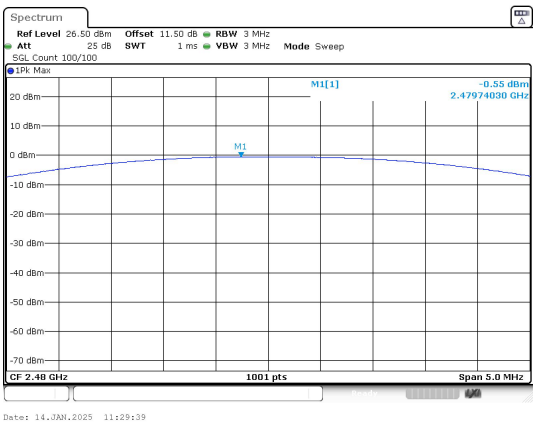
Peak Output Power

BLE 1M_Channel 0



Peak Output Power

BLE 1M_Channel 19



Peak Output Power

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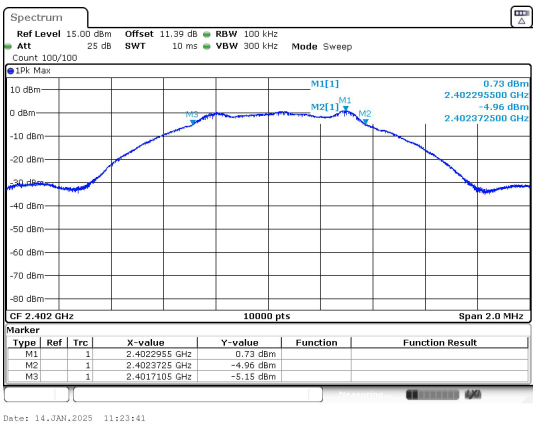
4) 6dB Bandwidth

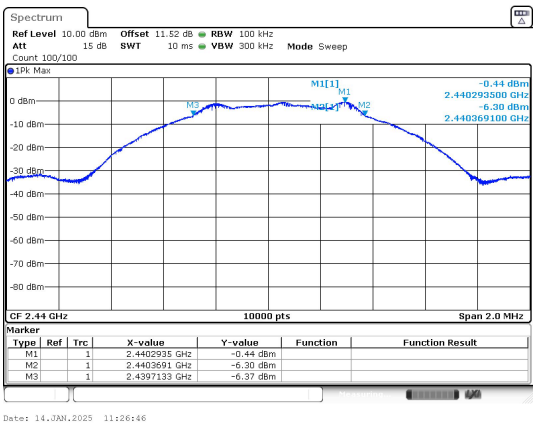
Test Result

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

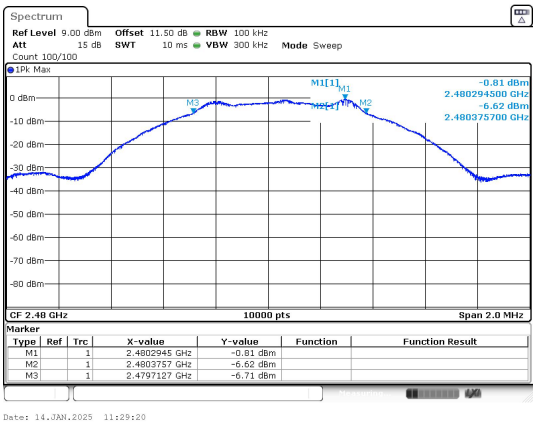
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



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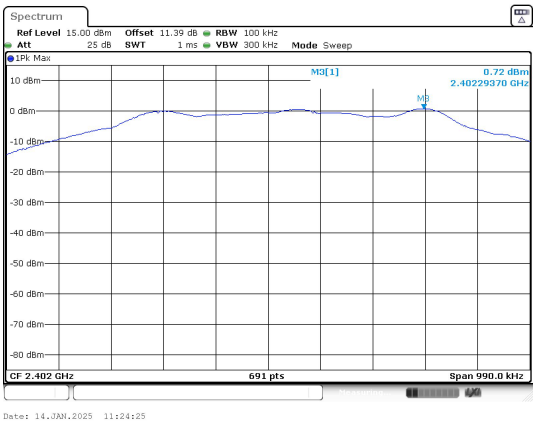
5) Conducted Out Of Band Emission

Test Result

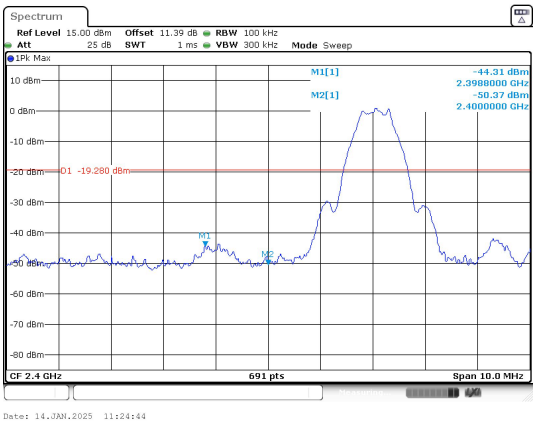
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.80	-44.310	-19.28	-25.030	PASS
		2400.00	-50.370	-19.28	-31.090	PASS
		9602.20	-44.735	-19.28	-25.455	PASS
	19	9754.57	-45.426	-20.46	-24.966	PASS
	39	2288.54	-45.074	-20.77	-24.304	PASS
		2483.50	-47.370	-20.77	-26.600	PASS

Test Graphs



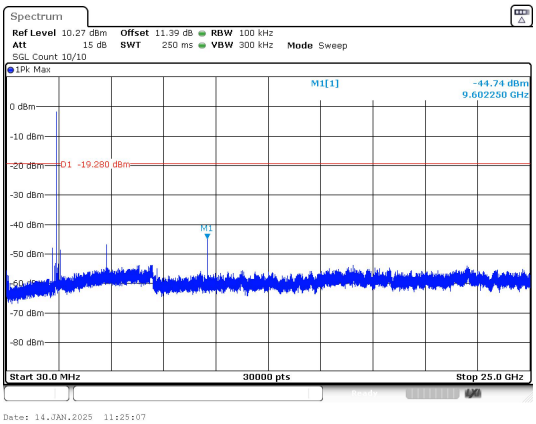
In-Band Reference Level

BLE 1M_Channel 0



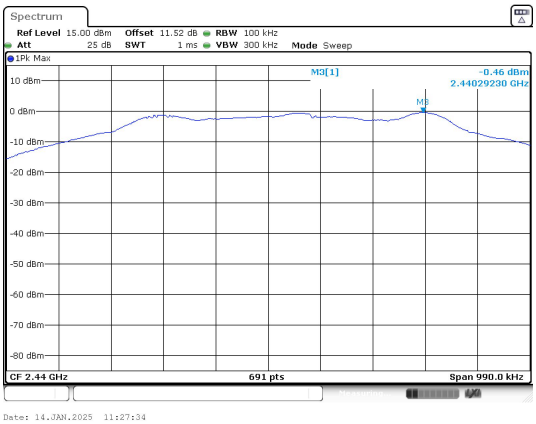
Out Of Band Emission

BLE 1M_Channel 0



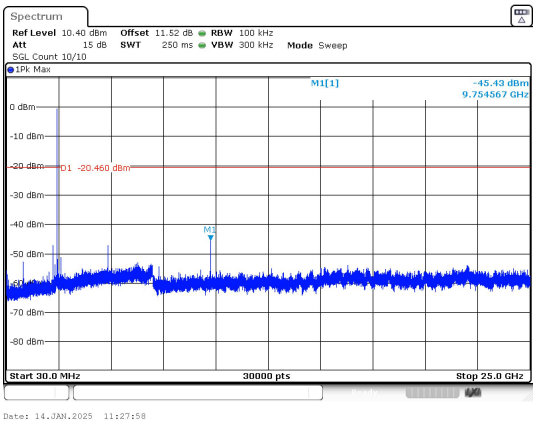
30.0 MHz - 25000.0 MHz

BLE 1M_Channel 0



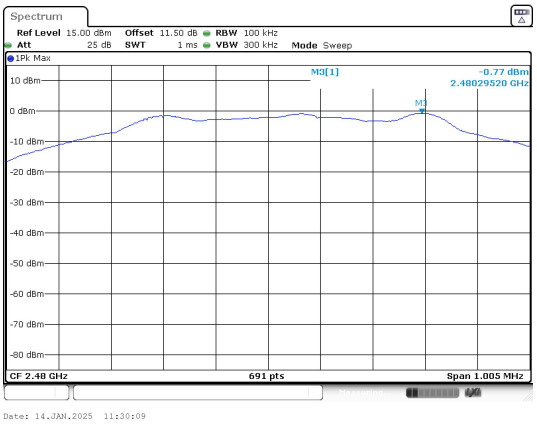
In-Band Reference Level

BLE 1M_Channel 19



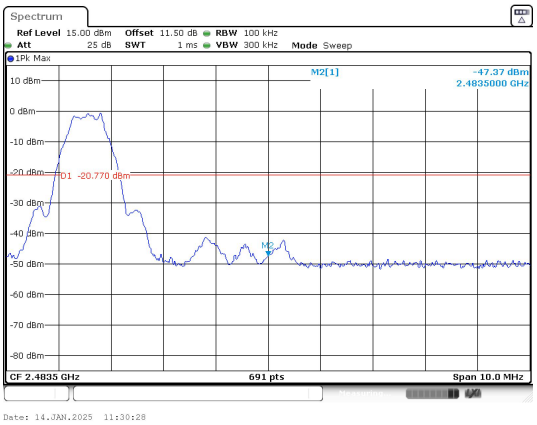
30.0 MHz - 25000.0 MHz

BLE 1M_Channel 19



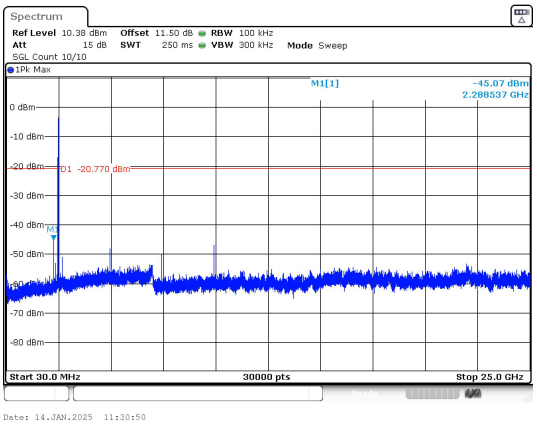
In-Band Reference Level

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-----