

Appendix Report

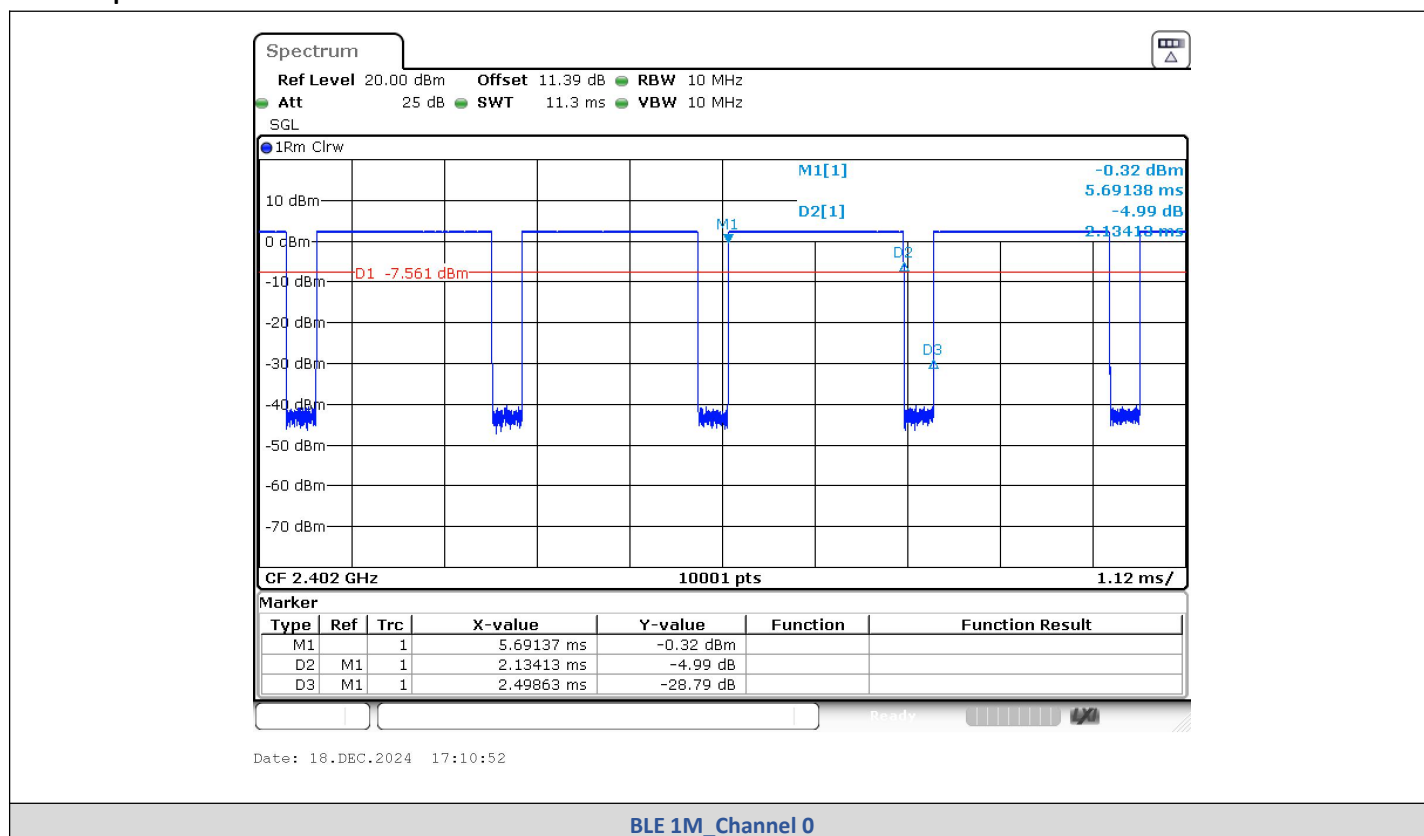
Report No.:	CISRR24121714904
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

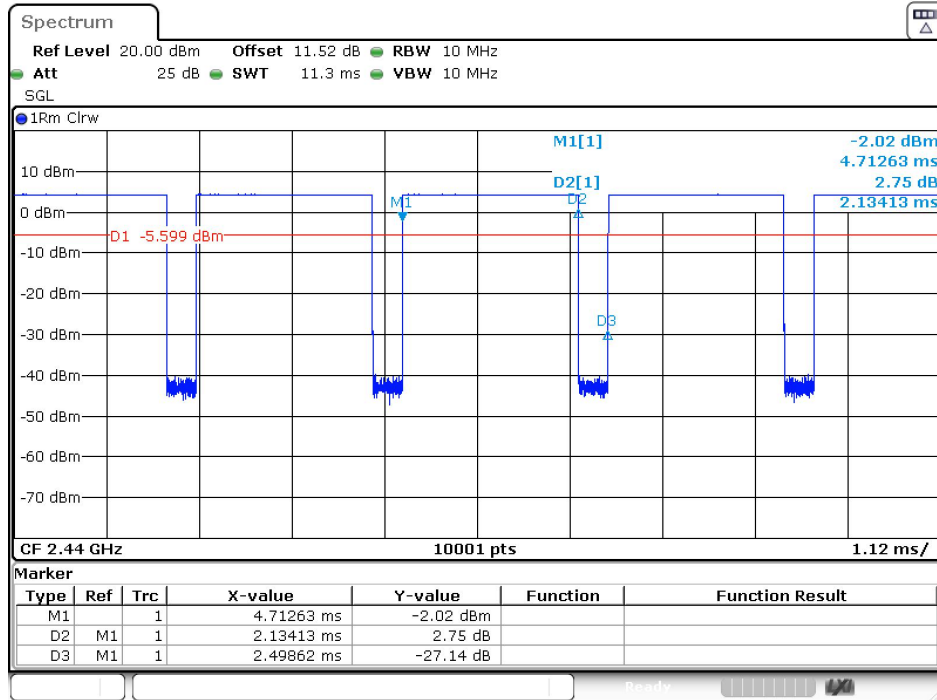
1) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.134	2.499	85.41	0.8541	0.6849	0.4686
	19	2.134	2.499	85.41	0.8541	0.6849	0.4686
	39	2.134	2.499	85.41	0.8541	0.6849	0.4686

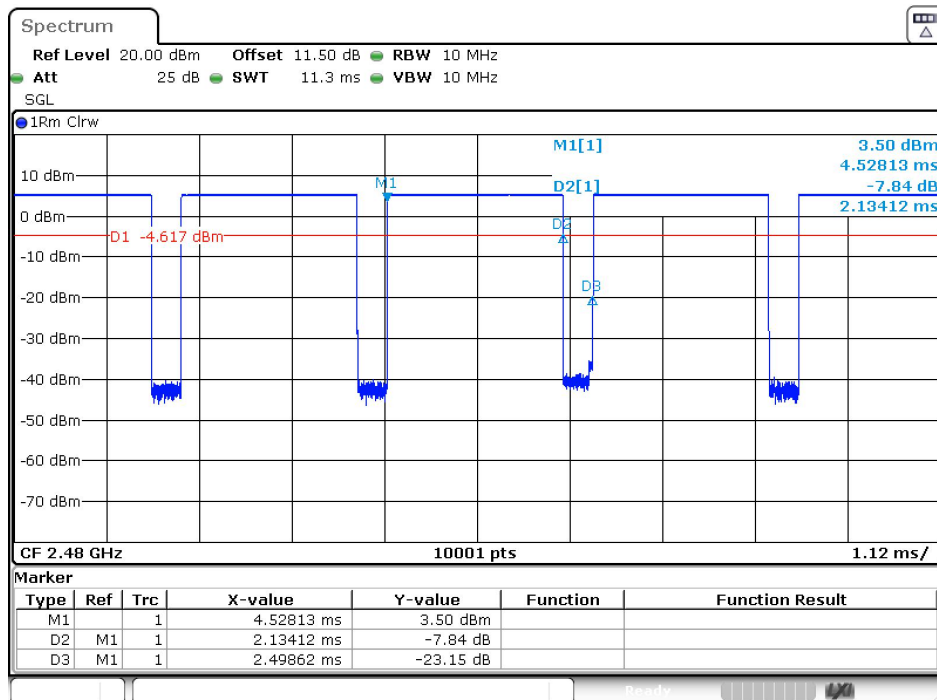
Test Graphs





Date: 18.DEC.2024 17:13:10

BLE 1M_Channel 19



Date: 18.DEC.2024 17:16:01

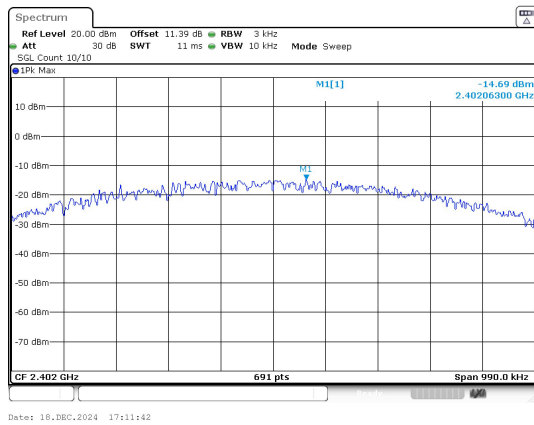
BLE 1M_Channel 39

2) Power Spectral Density

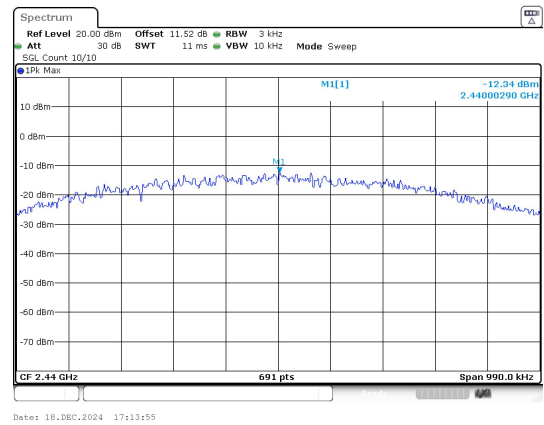
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-14.690	≤8	PASS
BLE 1M	19	-12.340	≤8	PASS
BLE 1M	39	-12.010	≤8	PASS

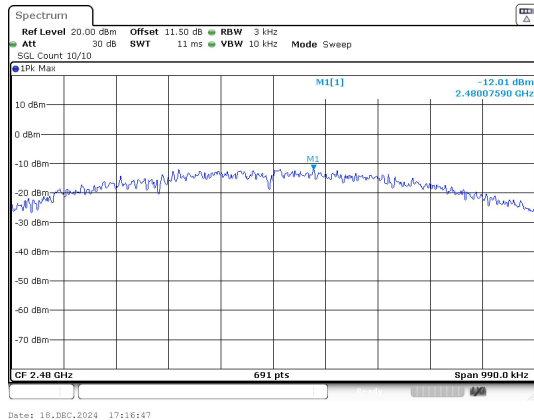
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



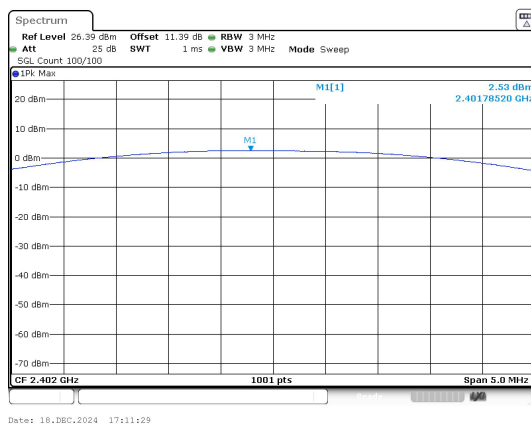
BLE 1M_Channel 39

3) Conducted Output Power

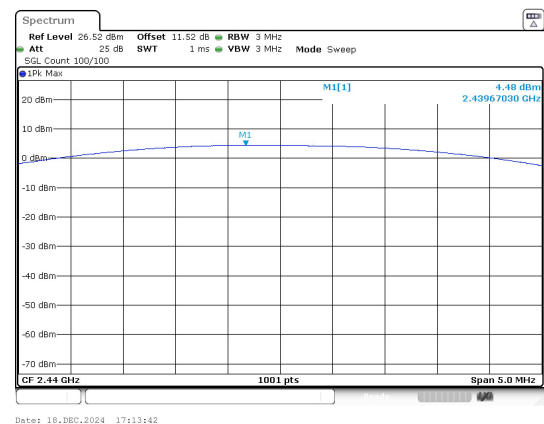
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	2.53	1.79	≤30	PASS
	19	4.48	2.81	≤30	PASS
	39	5.46	3.52	≤30	PASS

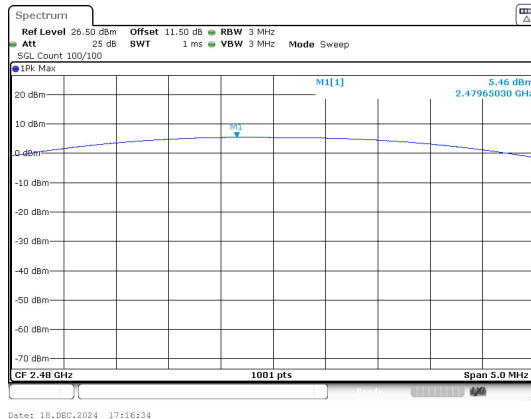
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



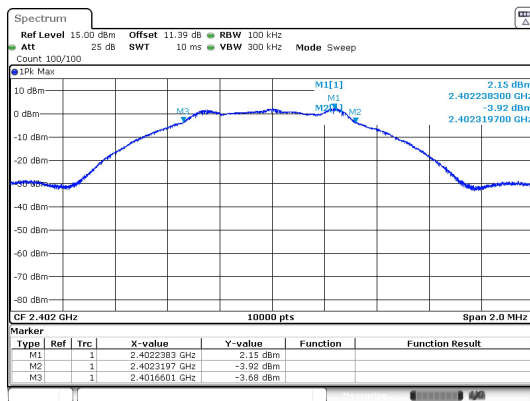
Peak Output Power
BLE 1M_Channel 39

4) 6dB Bandwidth

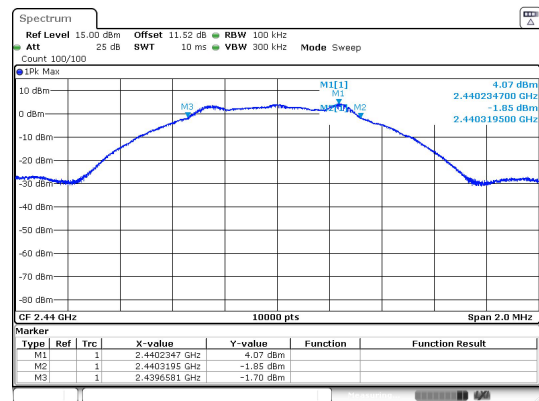
Test Result

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

Test Graphs



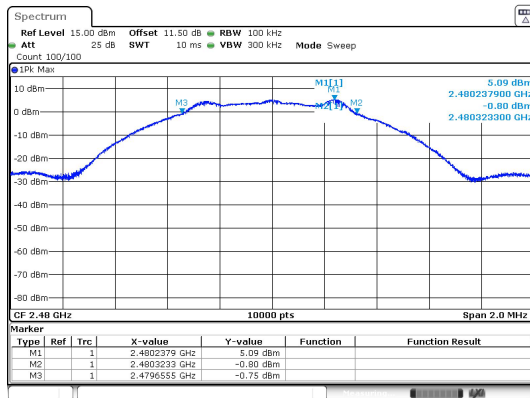
Date: 18.DEC.2024 17:11:14



Date: 18.DEC.2024 17:13:28

BLE 1M_Channel 0

BLE 1M_Channel 19



Date: 18.DEC.2024 17:16:19

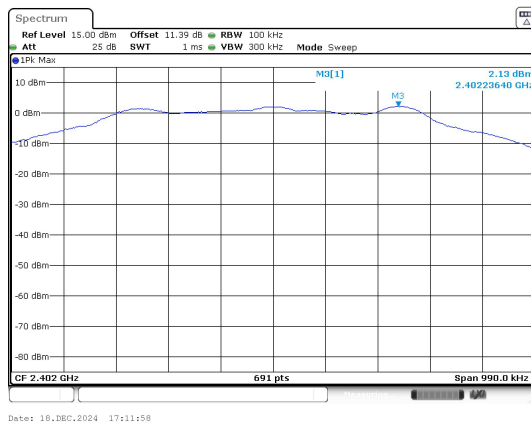
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5) Conducted Out Of Band Emission

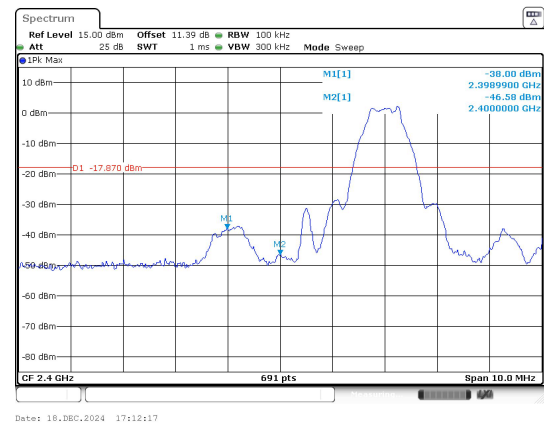
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.99	-38.002	-17.87	-20.132	PASS
		2400.00	-46.580	-17.87	-28.710	PASS
		9602.20	-41.144	-17.87	-23.274	PASS
	19	9753.73	-41.870	-15.92	-25.950	PASS
	39	2483.50	-42.550	-14.9	-27.650	PASS
		9914.37	-41.502	-14.9	-26.602	PASS

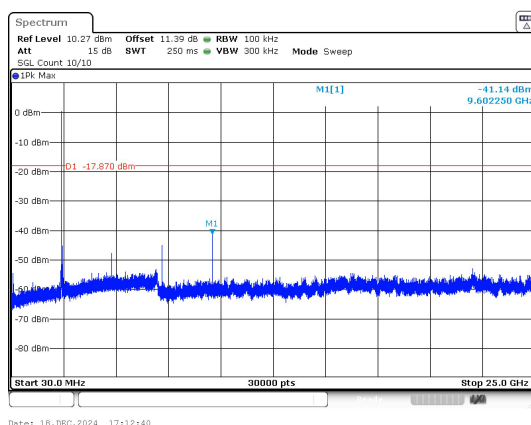
Test Graphs



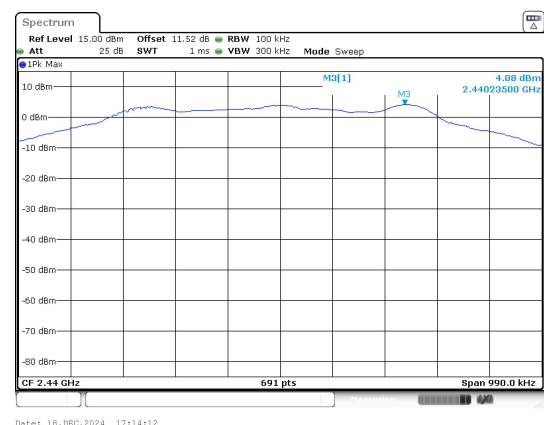
In-Band Reference Level
BLE 1M_Channel 0



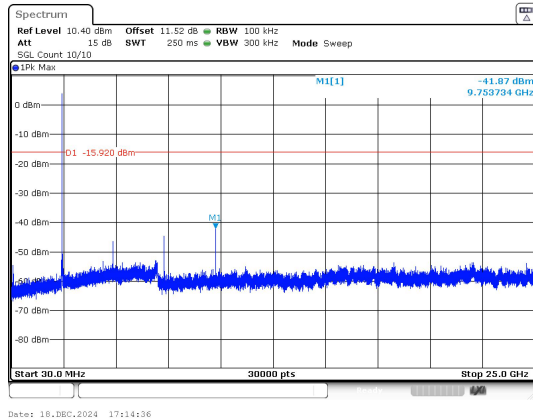
Out Of Band Emission
BLE 1M_Channel 0



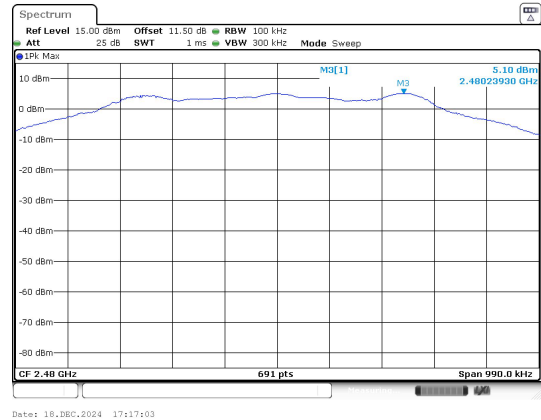
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



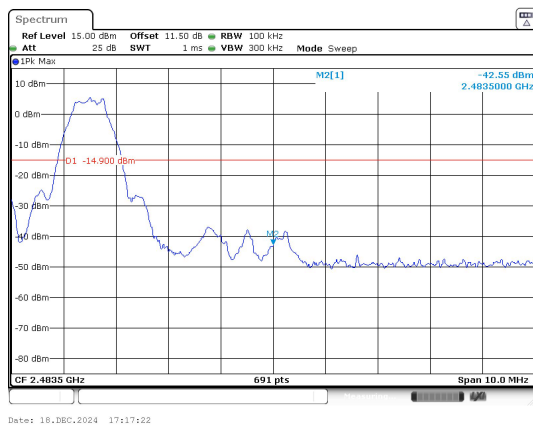
In-Band Reference Level
BLE 1M_Channel 19



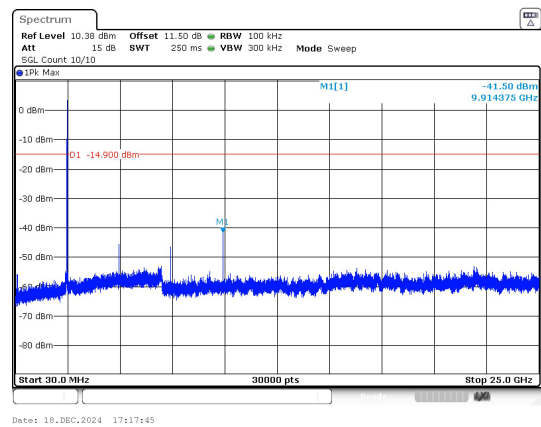
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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-----