

Appendix

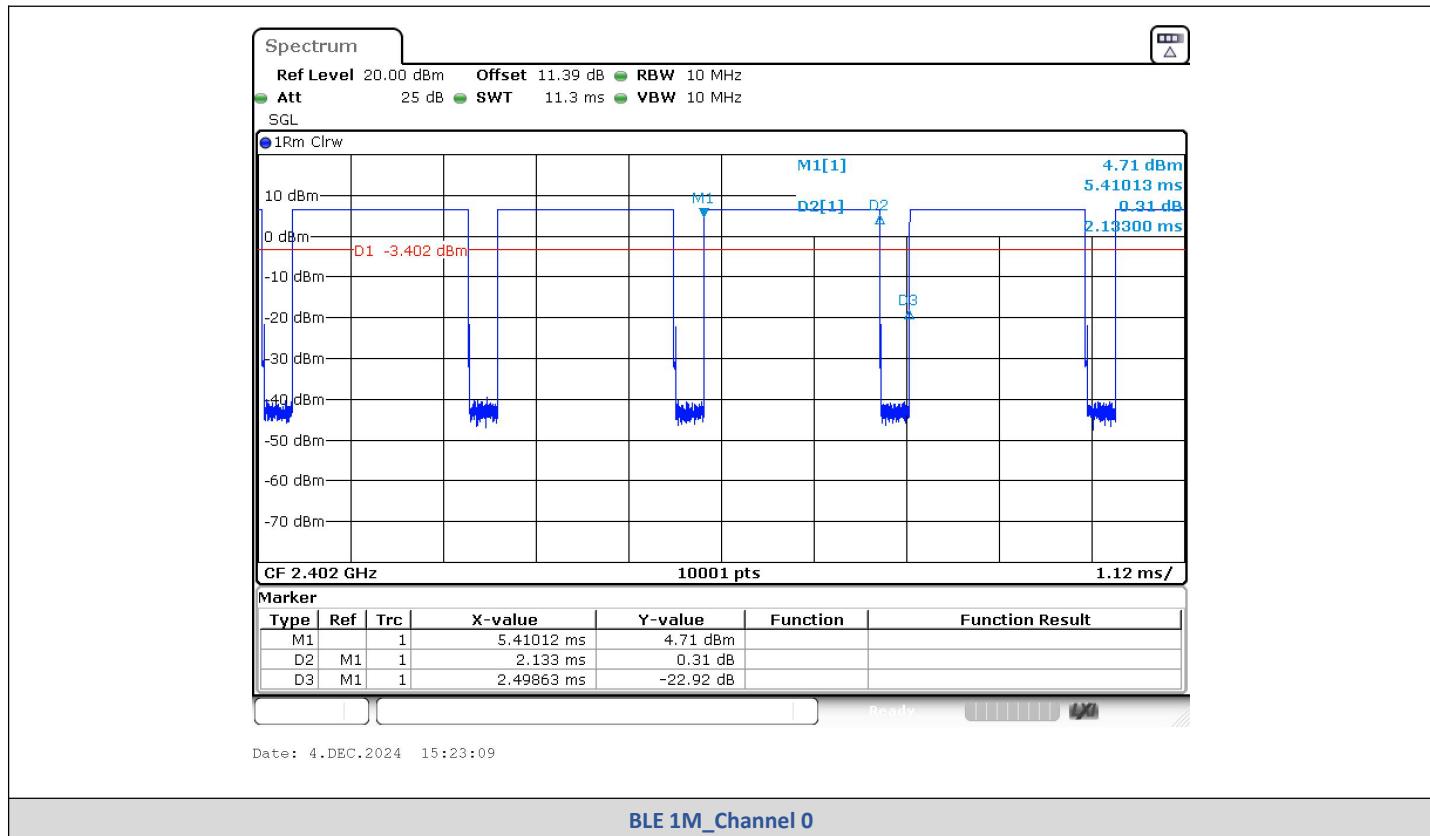
Report No.:	CISRR24120200405
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

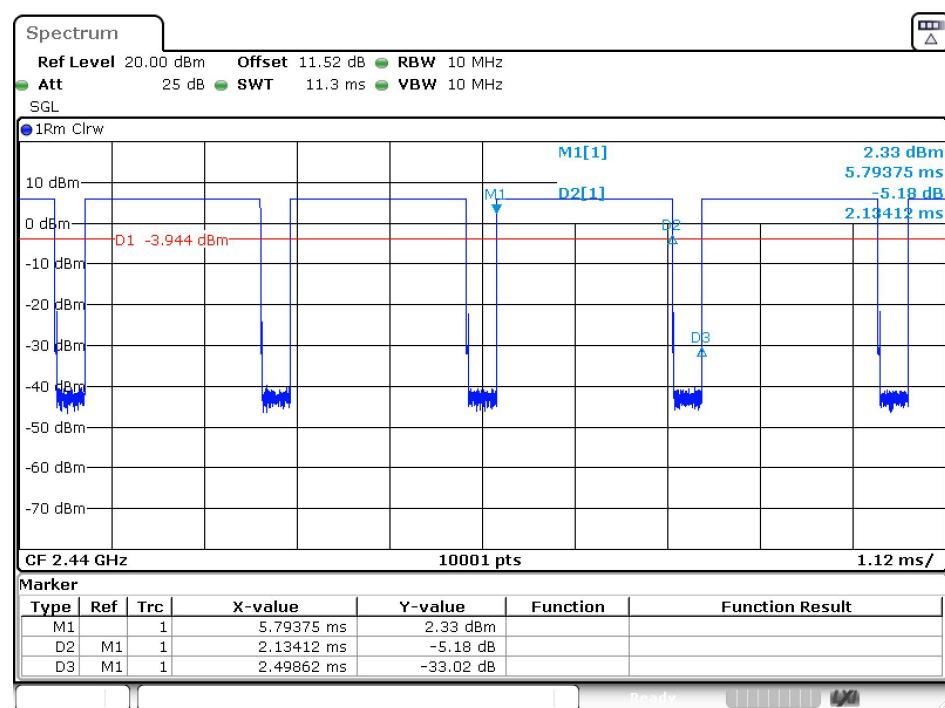
1) Duty Cycle

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	2.134	2.499	85.41	0.8541	0.6849	0.4686
	39	2.134	2.500	85.37	0.8537	0.6869	0.4686

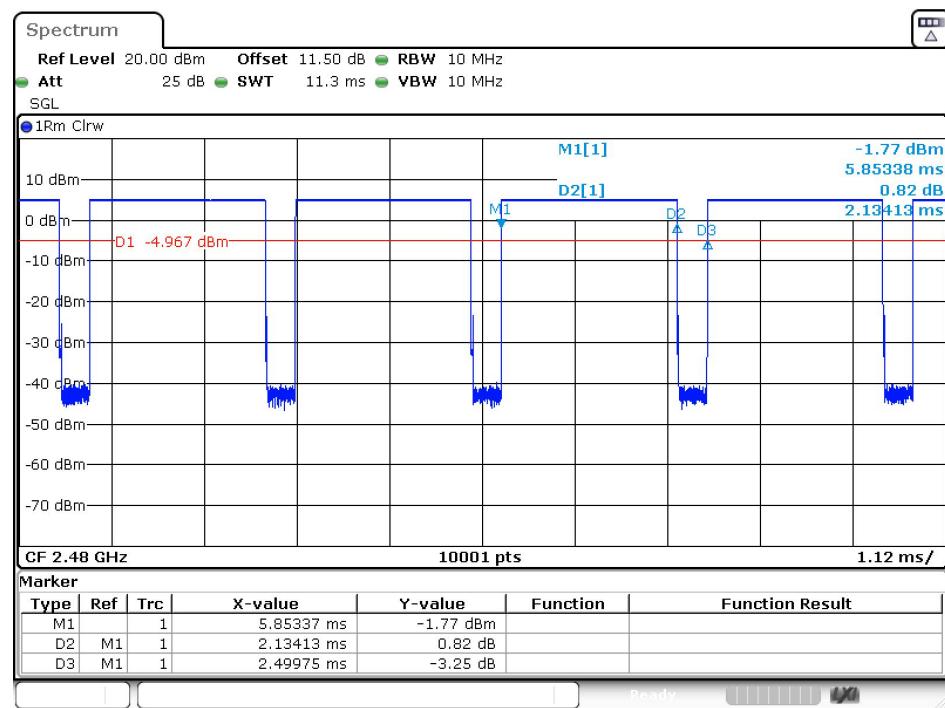
Test Graphs





Date: 4.DEC.2024 15:25:48

BLE 1M_Channel 19



Date: 4.DEC.2024 15:29:43

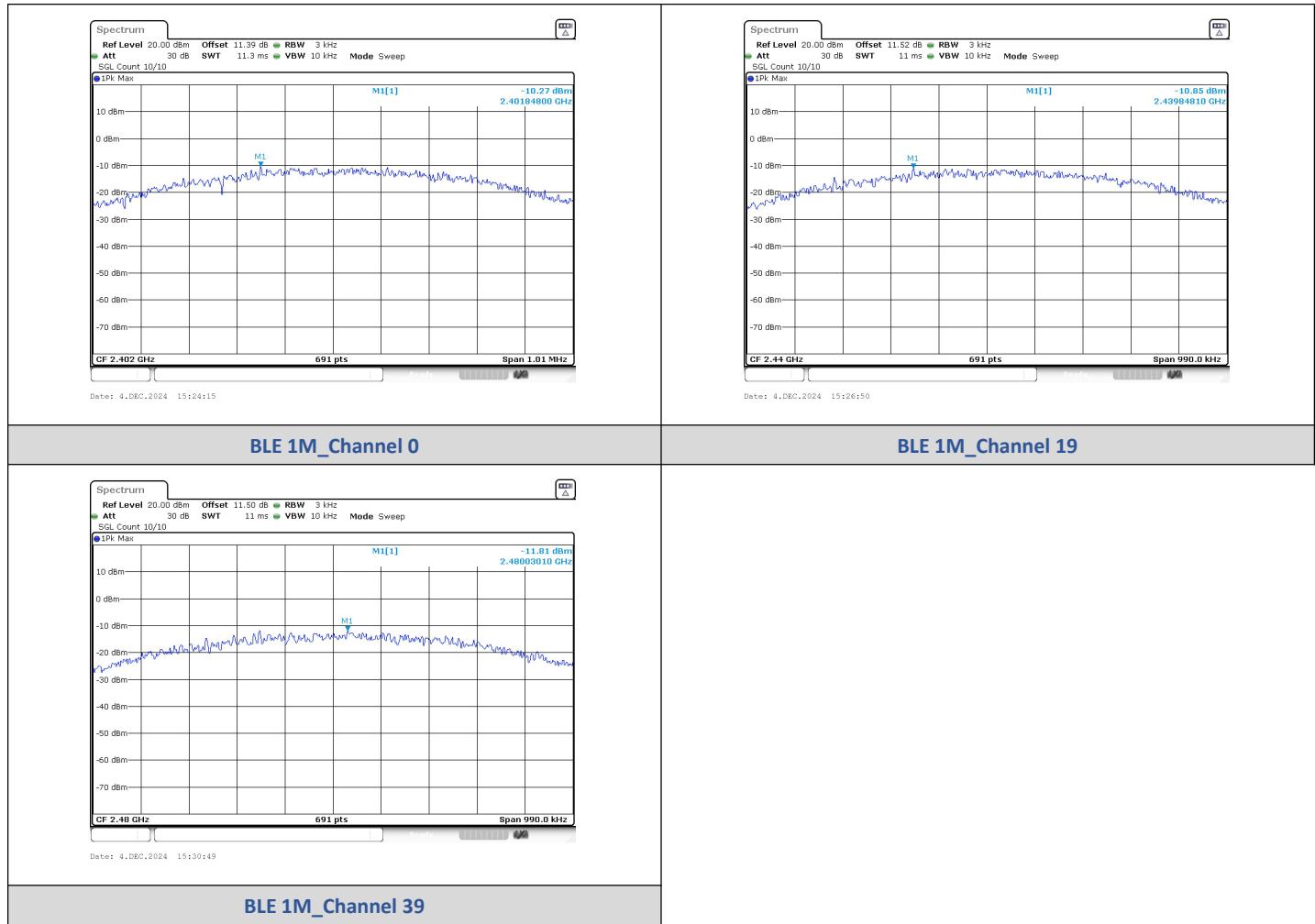
BLE 1M_Channel 39

2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-10.270	≤8	PASS
BLE 1M	19	-10.850	≤8	PASS
BLE 1M	39	-11.810	≤8	PASS

Test Graphs



3) Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	6.66	4.63	≤30	PASS
	19	6.11	4.08	≤30	PASS
	39	5.07	3.21	≤30	PASS

Test Graphs

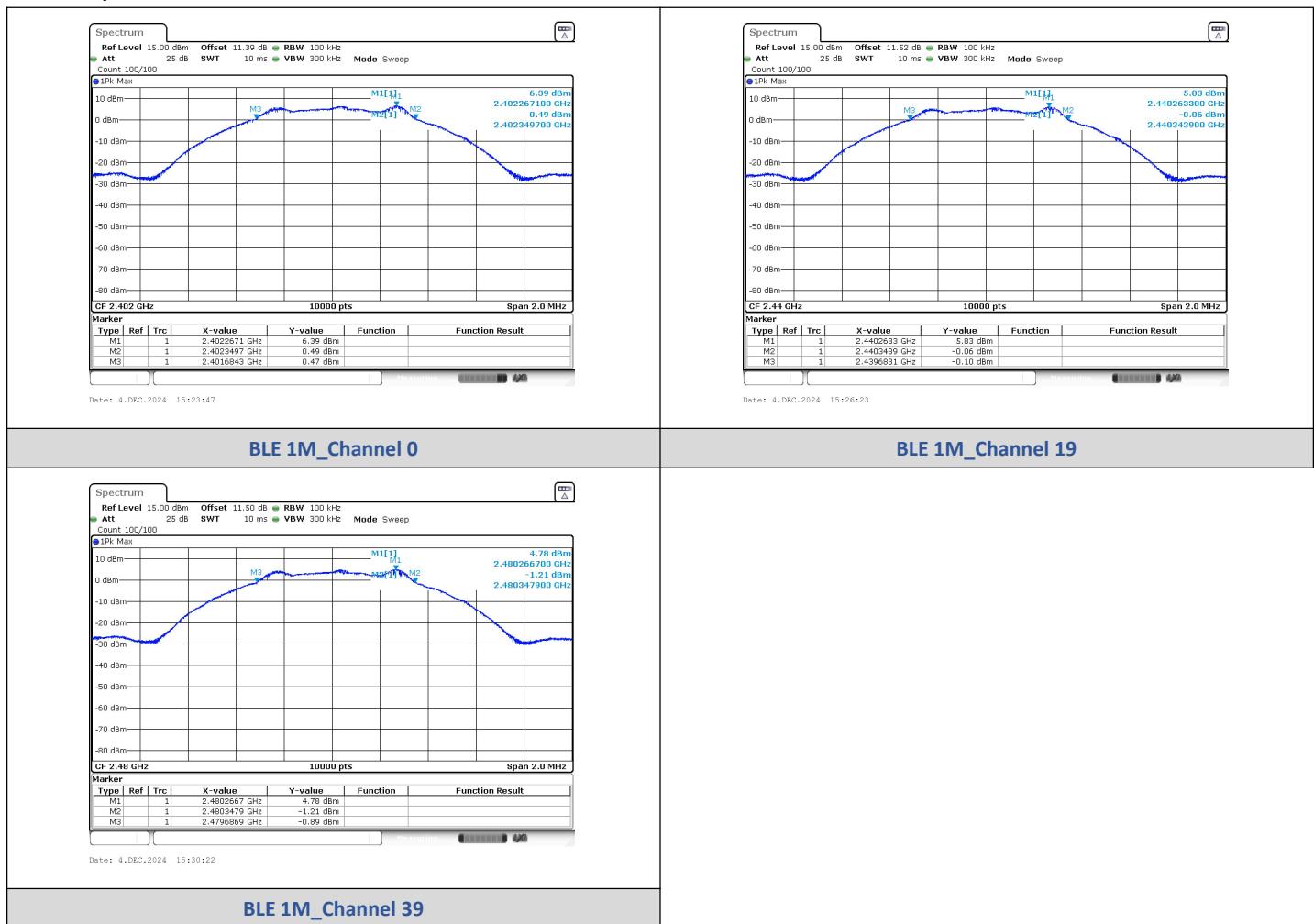


4) 6dB Bandwidth

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

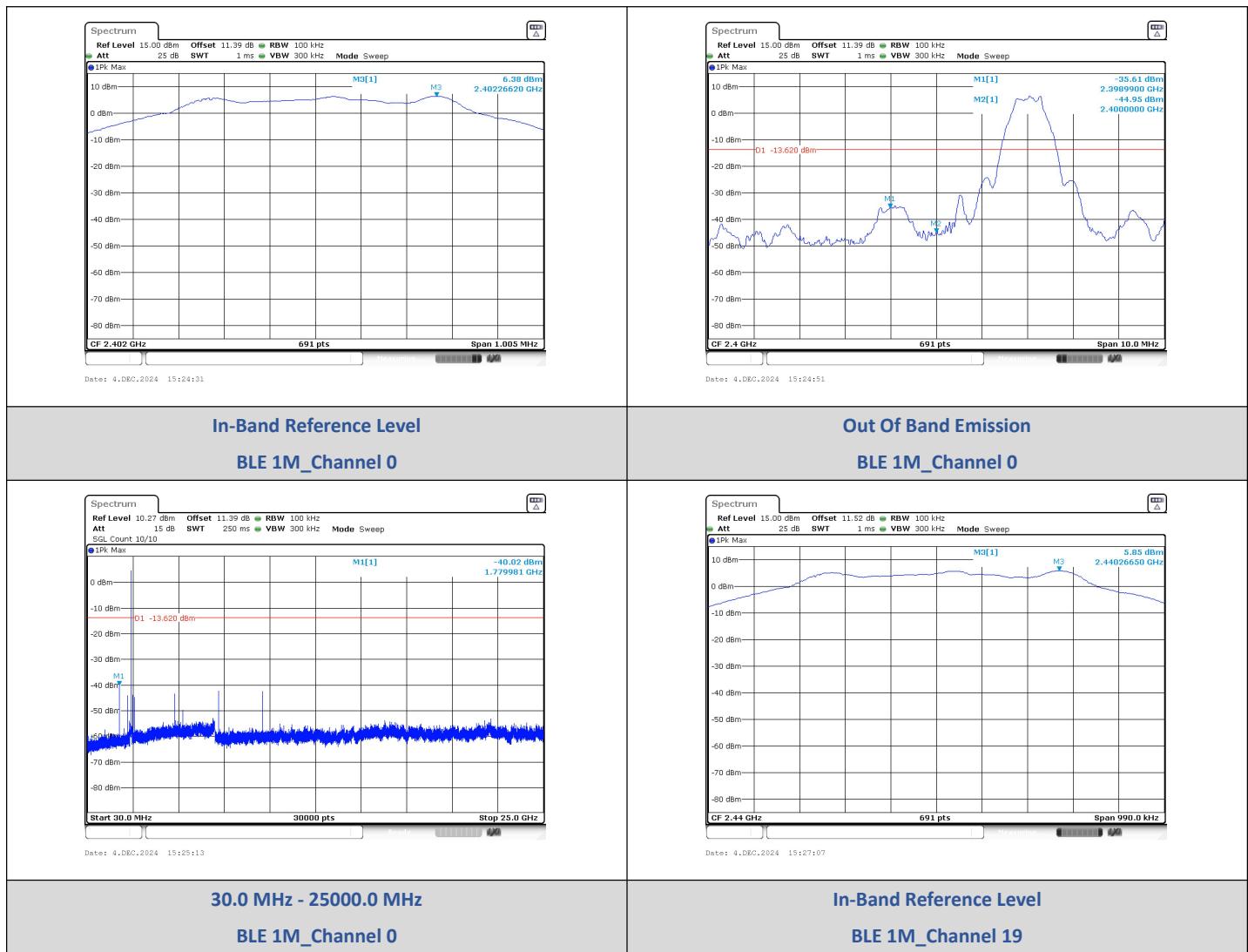


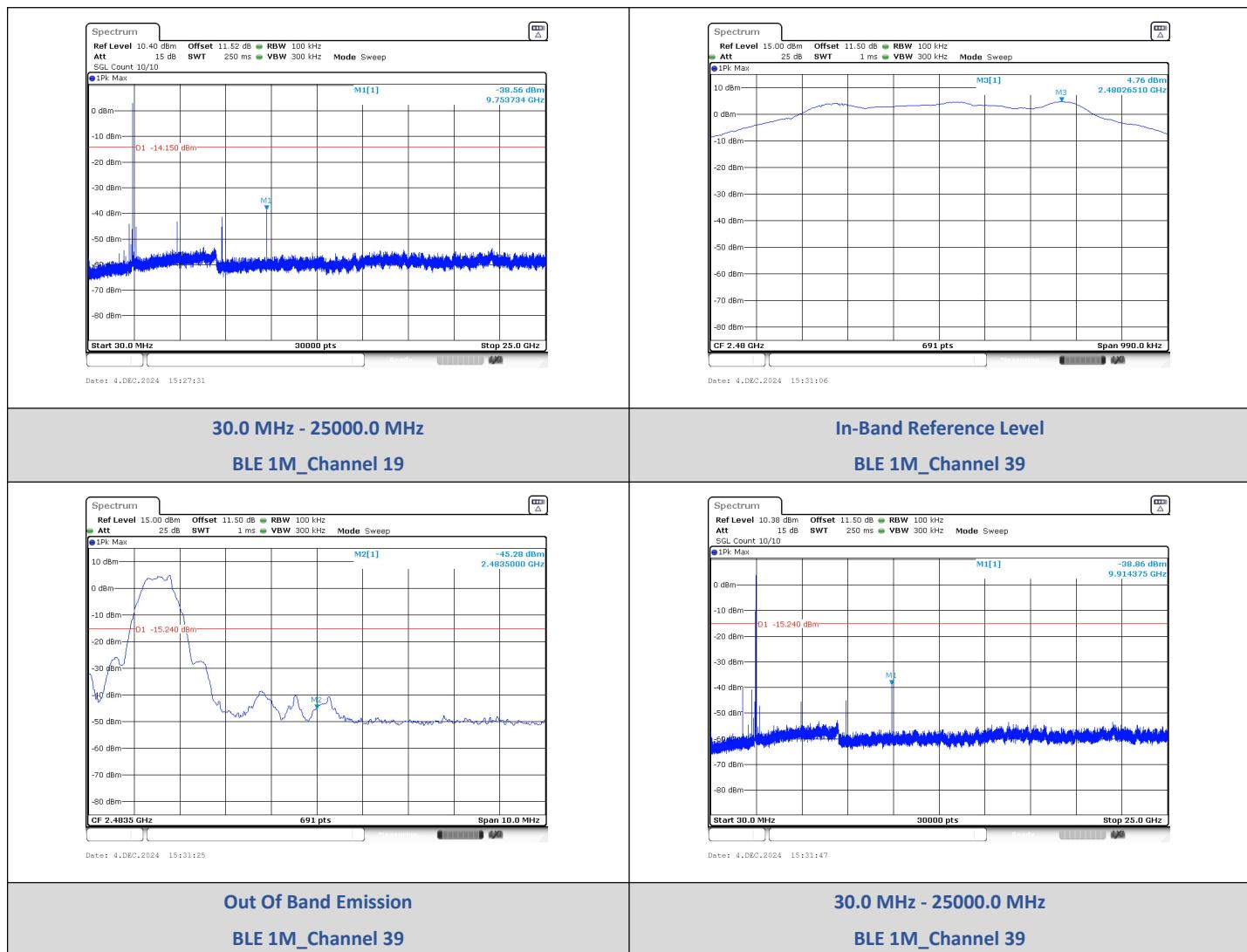
5) Conducted Out Of Band Emission

Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	1780.00	-40.023	-13.62	-26.403	PASS
		2398.99	-35.612	-13.62	-21.992	PASS
		2400.00	-44.950	-13.62	-31.330	PASS
	19	9753.73	-38.556	-14.15	-24.406	PASS
	39	2483.50	-45.280	-15.24	-30.040	PASS
		9914.37	-38.860	-15.24	-23.620	PASS

Test Graphs





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