

Appendix B

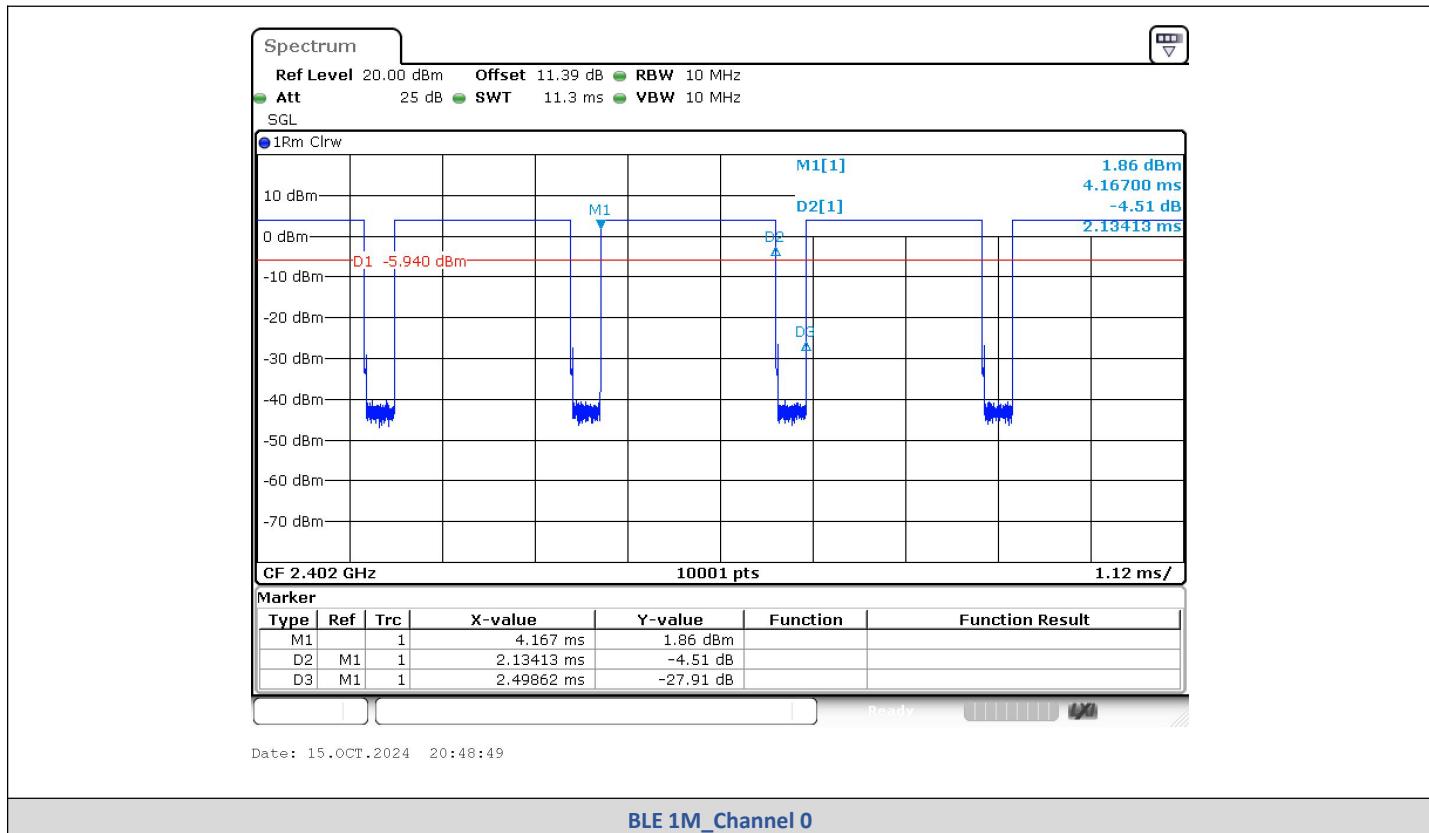
Report No.:	CISRR24101103902
FCC ID:	2BFQI-V20
Product Name:	keyboard
Model No.:	V20
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

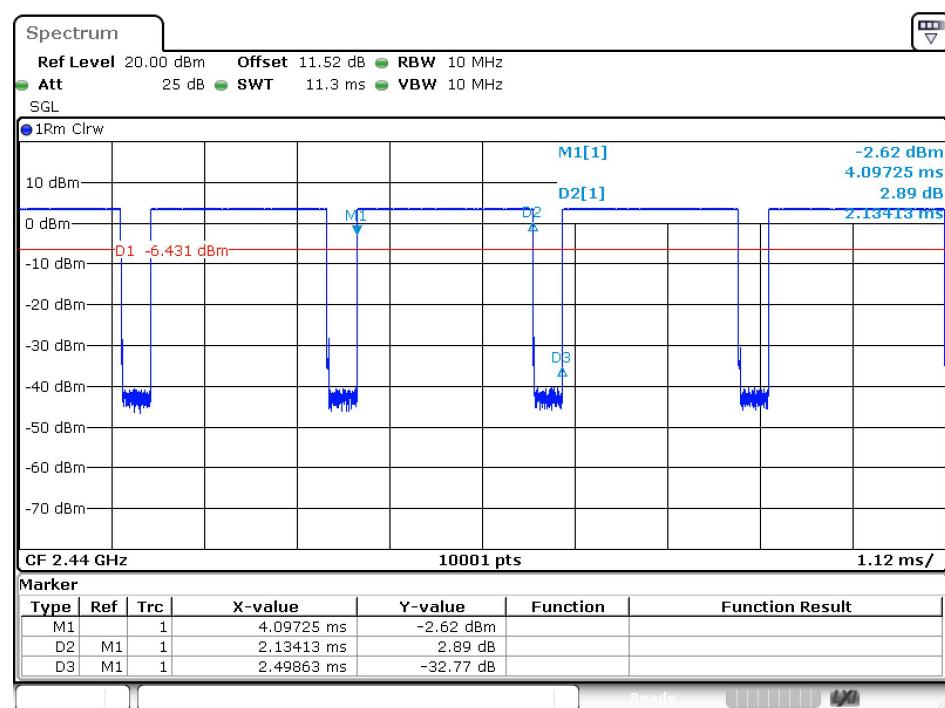
1) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.134	2.499	85.41	0.8541	0.6849	0.47
	19	2.134	2.499	85.41	0.8541	0.6849	0.47
	39	2.134	2.499	85.41	0.8541	0.6849	0.47

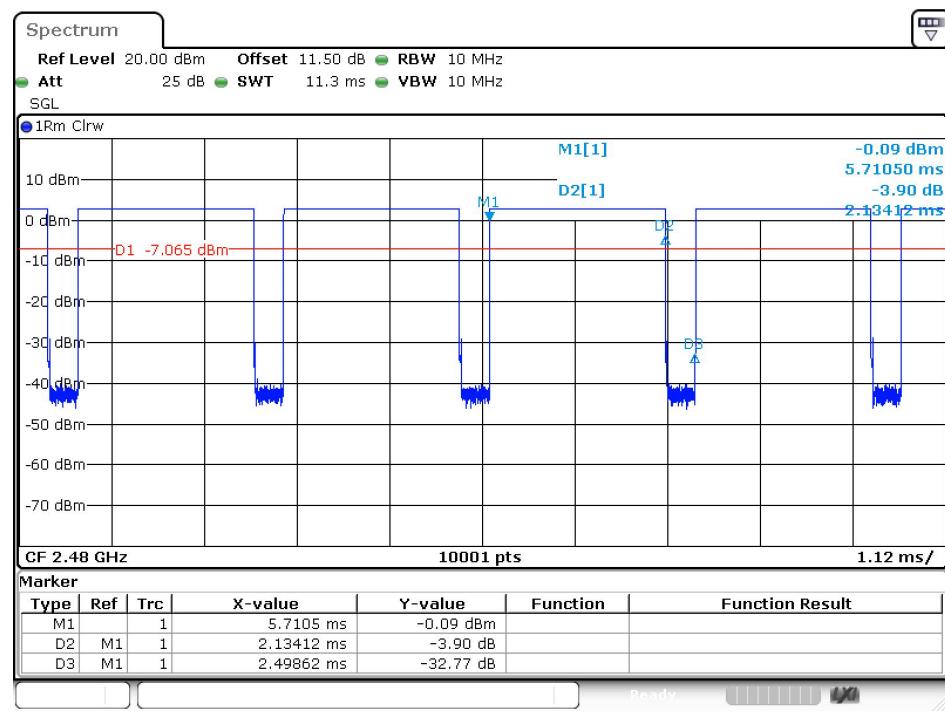
Test Graphs





Date: 15.OCT.2024 20:51:33

BLE 1M_Channel 19



Date: 15.OCT.2024 20:54:14

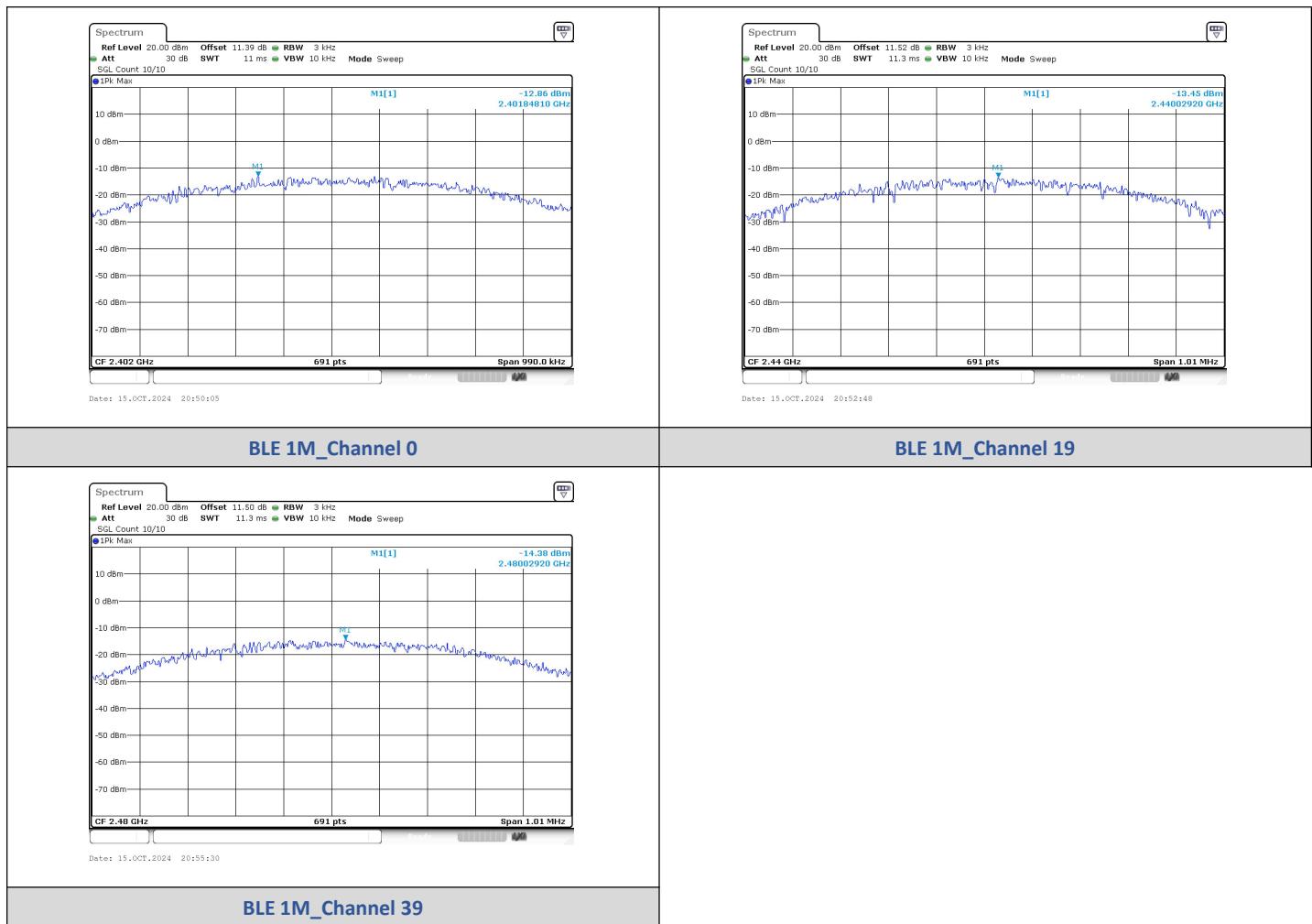
BLE 1M_Channel 39

2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-12.857	≤8	PASS
BLE 1M	19	-13.446	≤8	PASS
BLE 1M	39	-14.378	≤8	PASS

Test Graphs

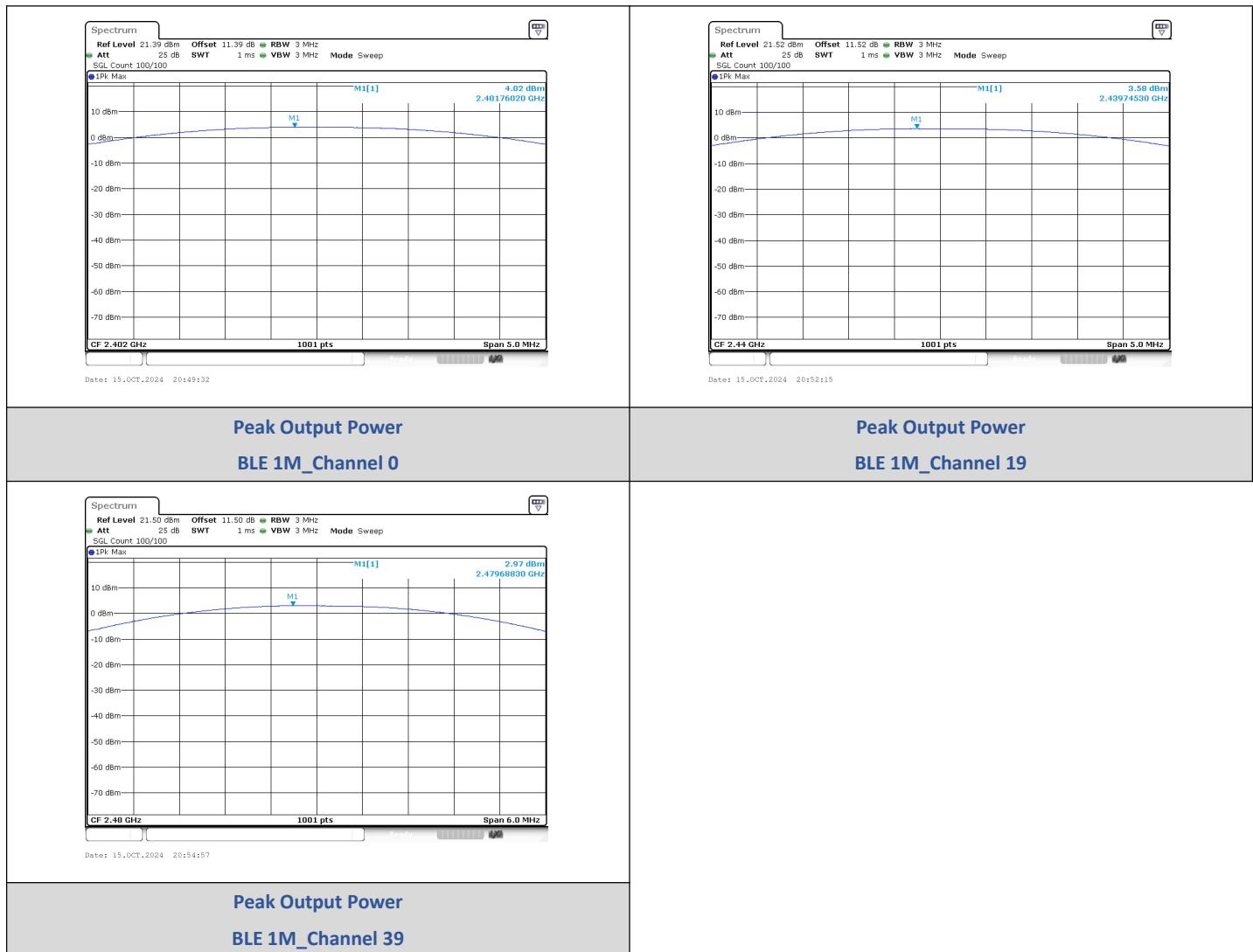


3) Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	4.02	2.52	≤30	PASS
	19	3.58	2.28	≤30	PASS
	39	2.97	1.98	≤30	PASS

Test Graphs

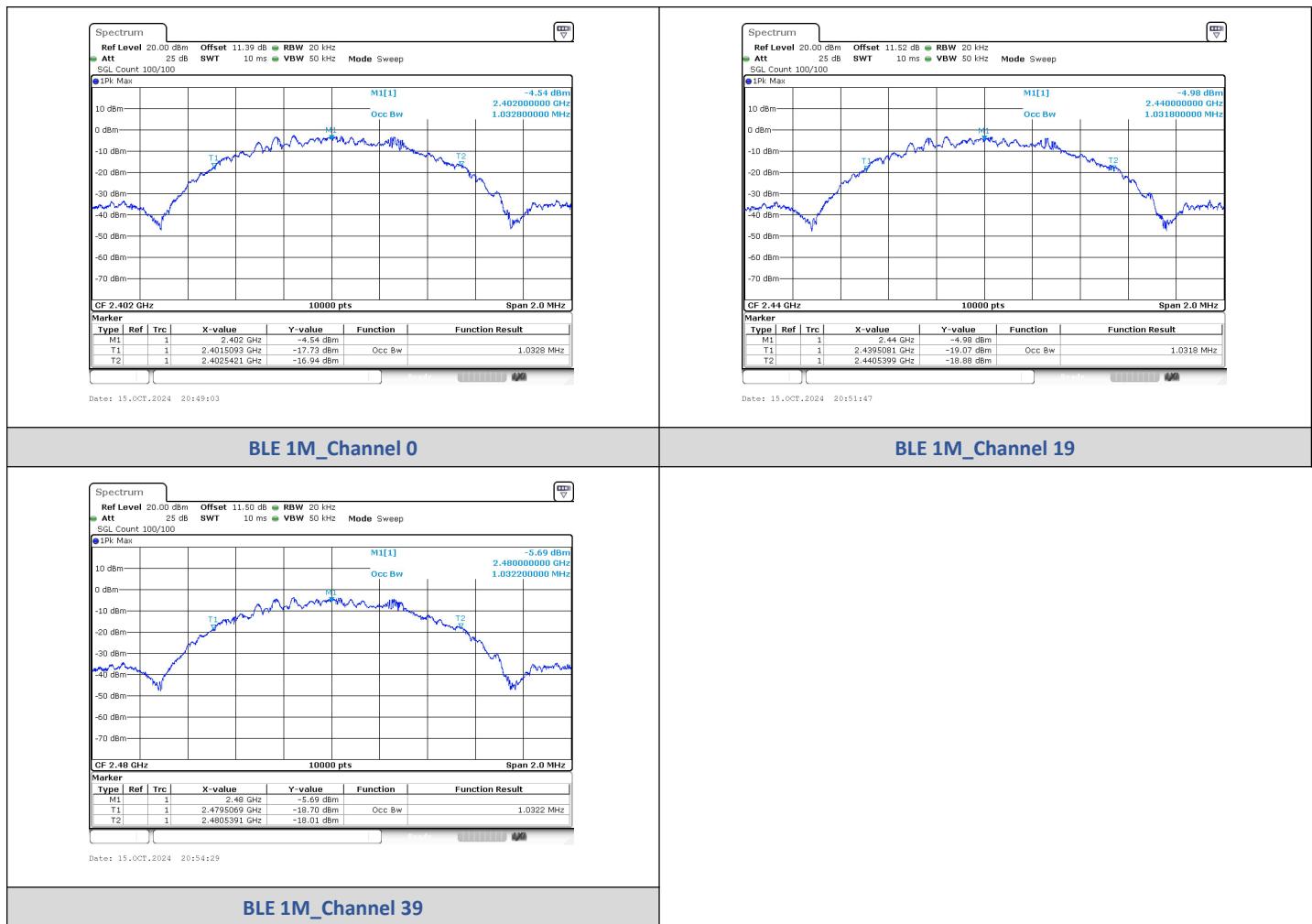


4) 99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0328
BLE 1M	19	2440	1.0318
BLE 1M	39	2480	1.0322

Test Graphs

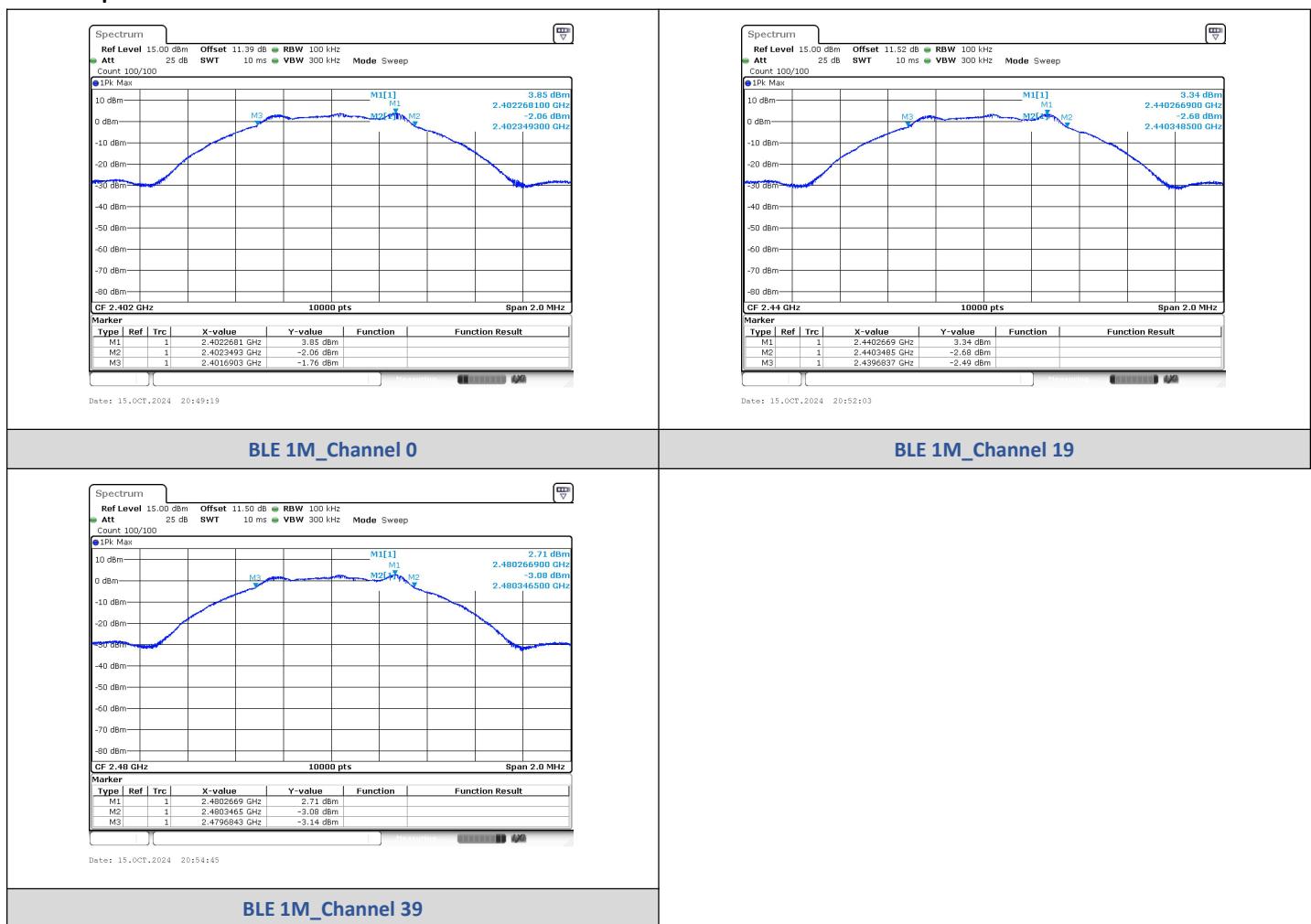


5) 6dB Bandwidth

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	0.6700		PASS
	39	2480	0.6700		PASS

Test Graphs



6) 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	2398.97	-39.825	-16.23	-23.595	PASS
		2400.00	-48.918	-16.23	-32.688	PASS
		7206.80	-36.652	-16.23	-20.422	PASS
	19	9753.73	-39.716	-16.7	-23.016	PASS
	39	2483.50	-45.440	-17.29	-28.150	PASS
		9914.37	-38.372	-17.29	-21.082	PASS

Test Graphs

