

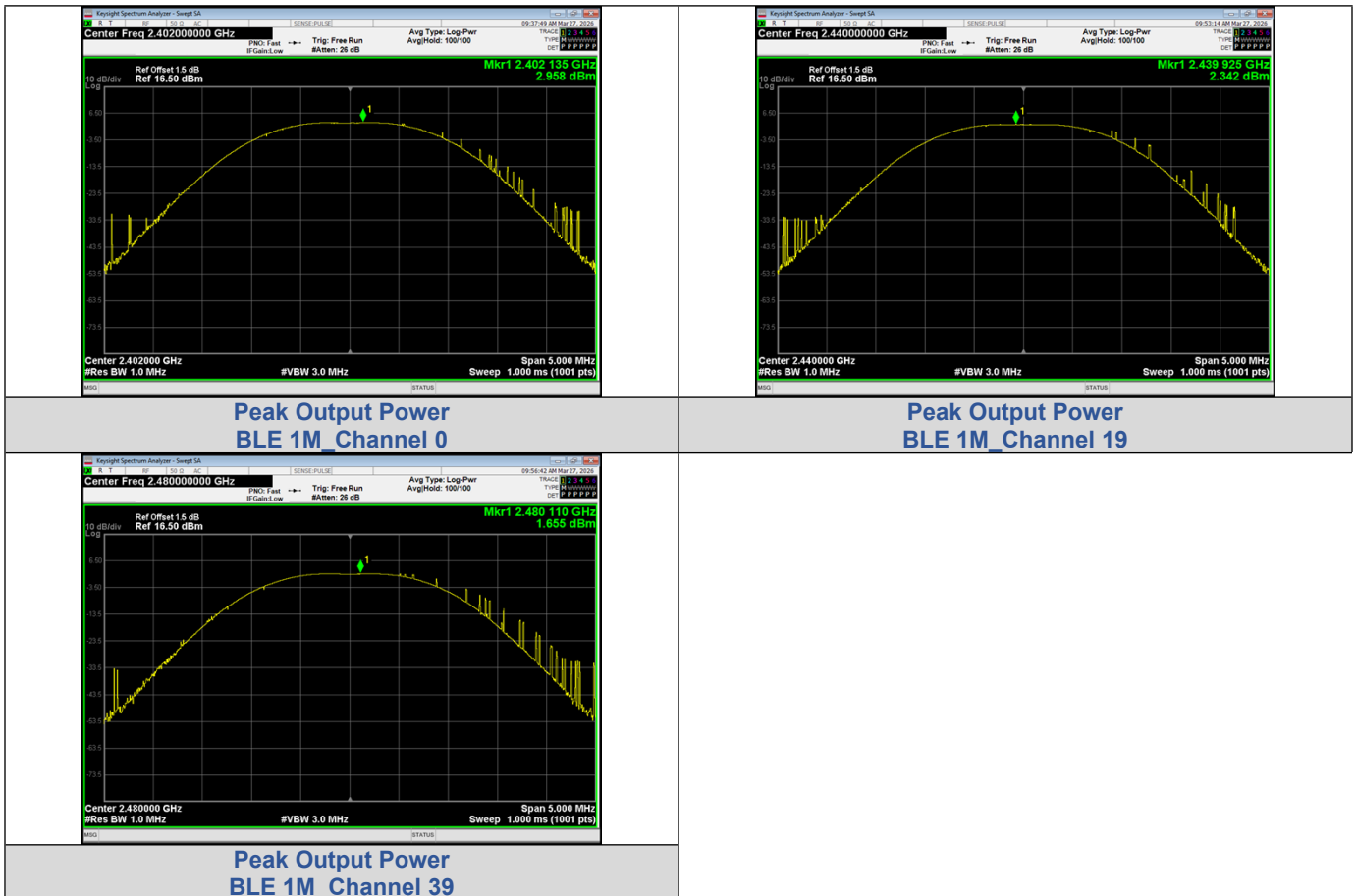
Appendix RF test data for BLE

Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	2.96	1.98	None	≤30	PASS
	19	2.34	1.71	None	≤30	PASS
	39	1.66	1.47	None	≤30	PASS

Test Graphs

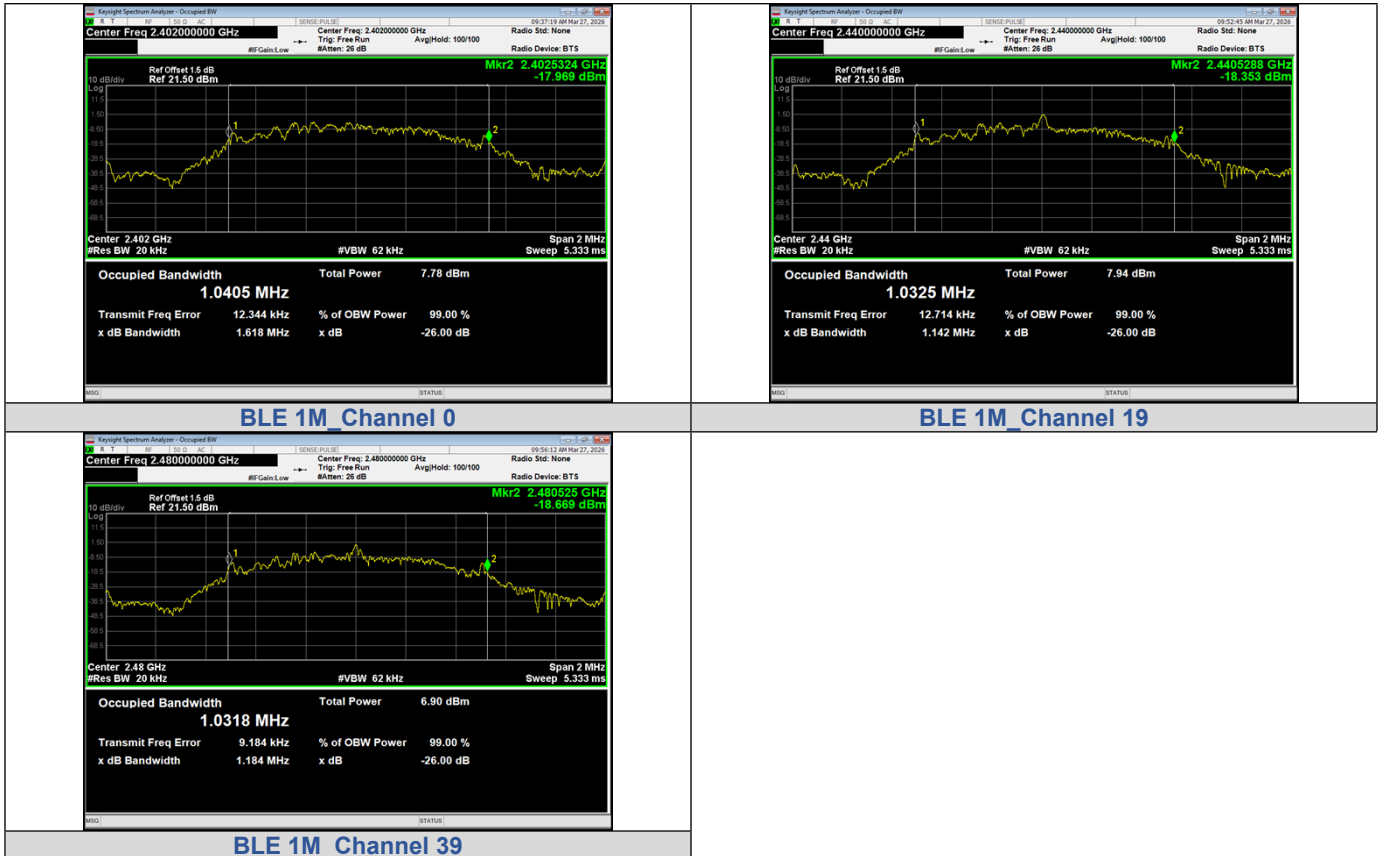


99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0405
BLE 1M	19	2440	1.0325
BLE 1M	39	2480	1.0318

Test Graphs

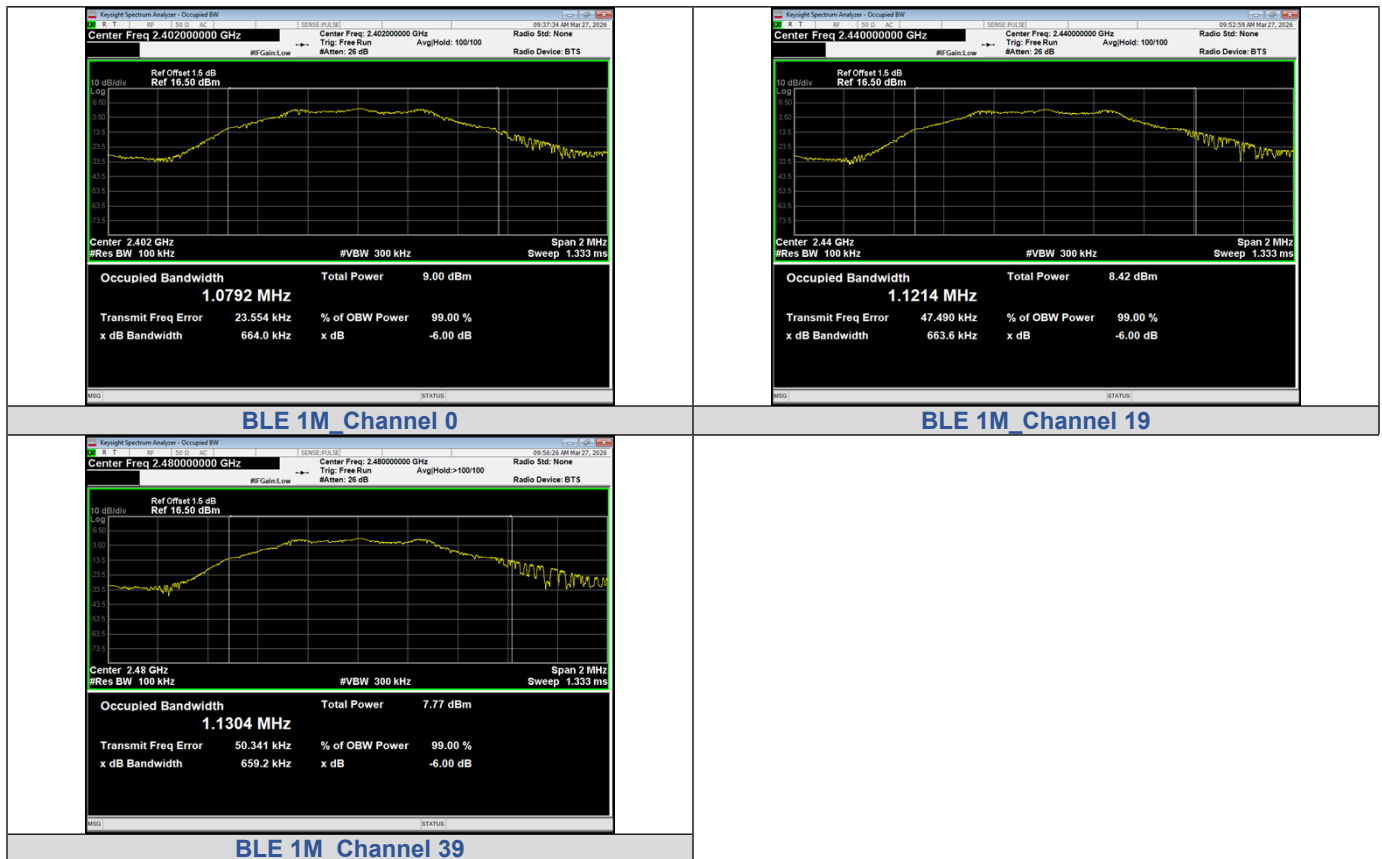


6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6640	≥0.5	PASS
	19	2440	0.6636		PASS
	39	2480	0.6592		PASS

Test Graphs

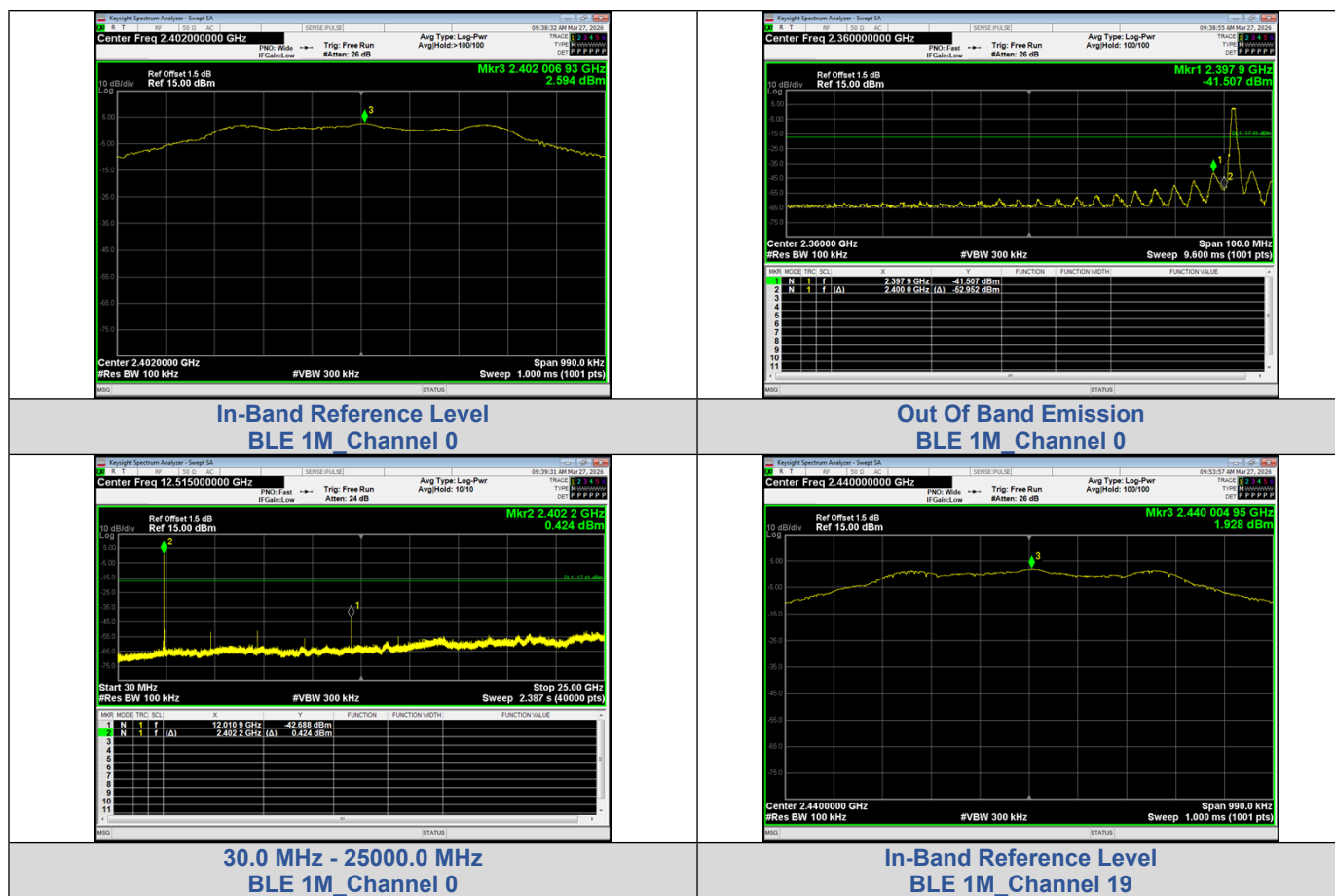


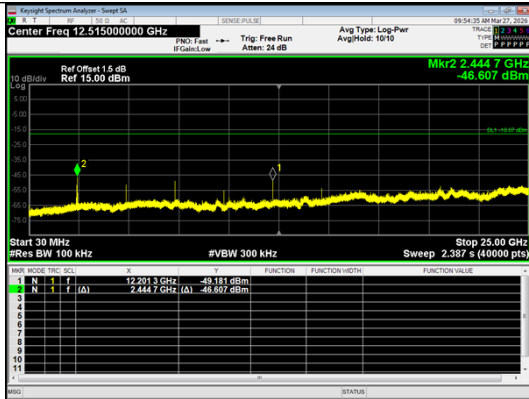
Conducted Out Of Band Emission

Test Result

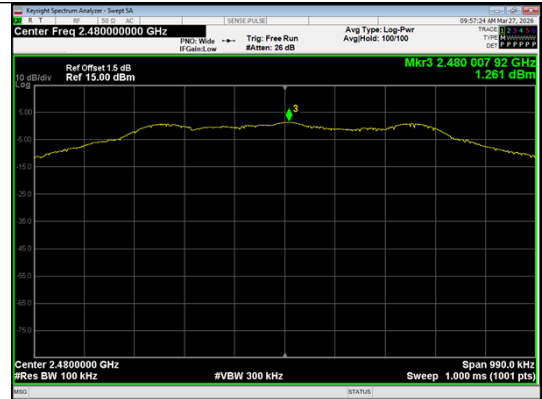
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2397.90	-41.507	-17.41	-24.097	PASS
		2400.00	-52.950	-17.41	-35.540	PASS
		12010.9	-42.688	-17.41	-25.278	PASS
	19	12201.3	-49.181	-18.07	-31.111	PASS
		2483.50	-42.630	-18.74	-23.890	PASS
		12398.6	-40.391	-18.74	-21.651	PASS

Test Graphs

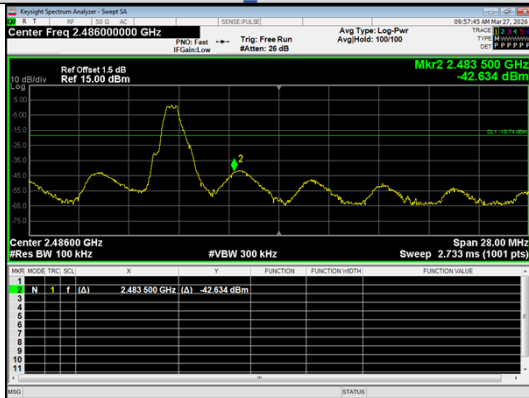




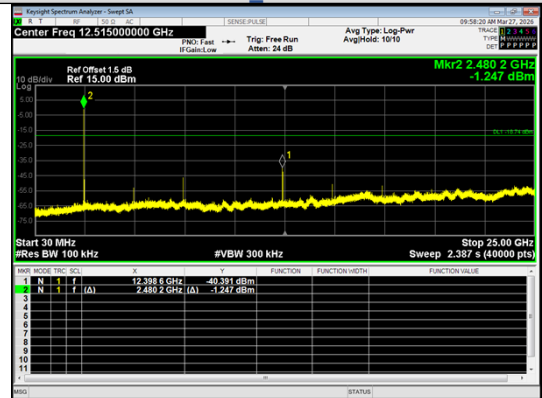
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



Out Of Band Emission
BLE 1M_Channel 39



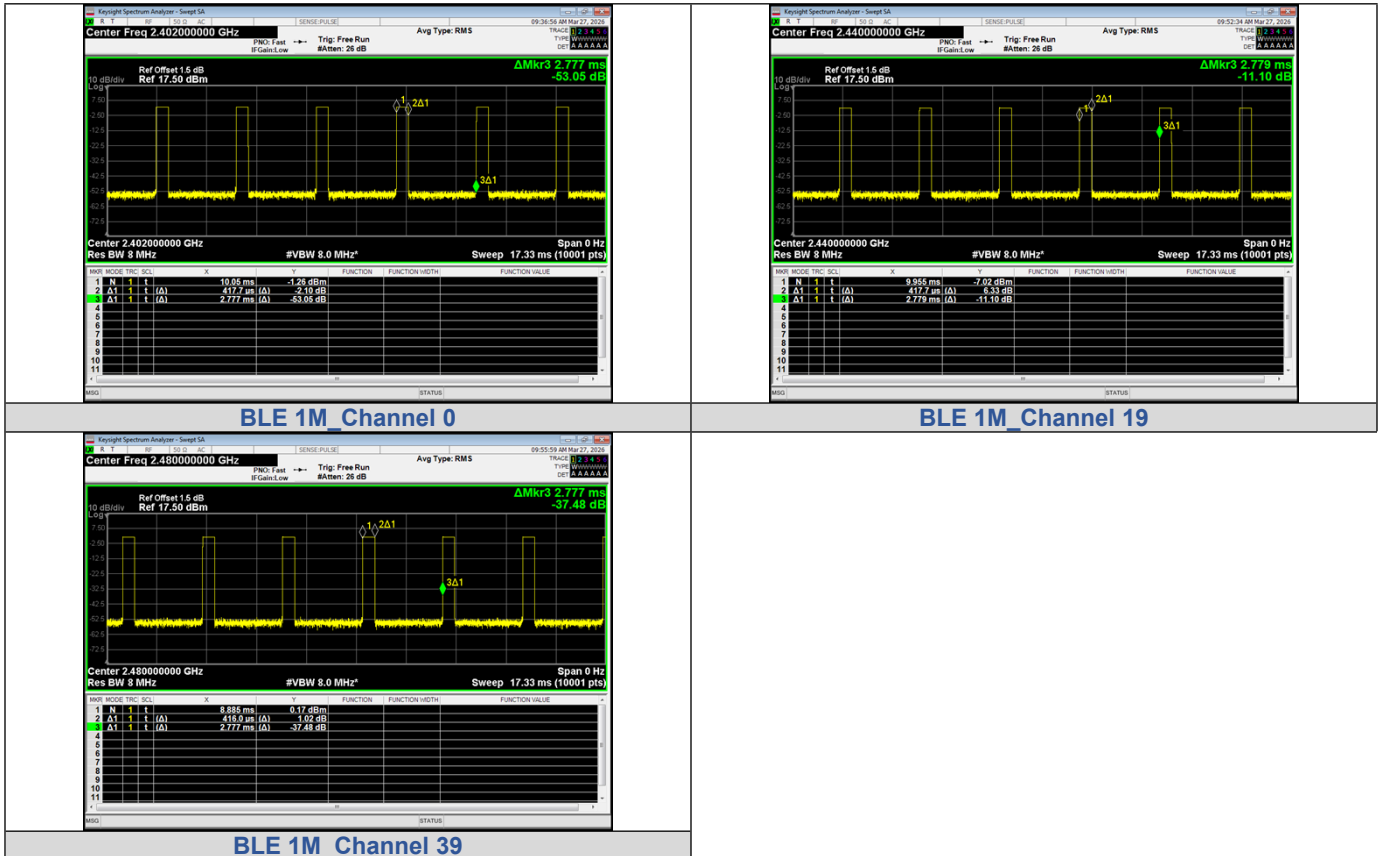
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39

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	0.418	2.777	15.04	0.1504	8.2275	2.3923
	19	0.418	2.779	15.03	0.1503	8.2304	2.3923
	39	0.416	2.777	14.98	0.1498	8.2449	2.4038

Test Graphs



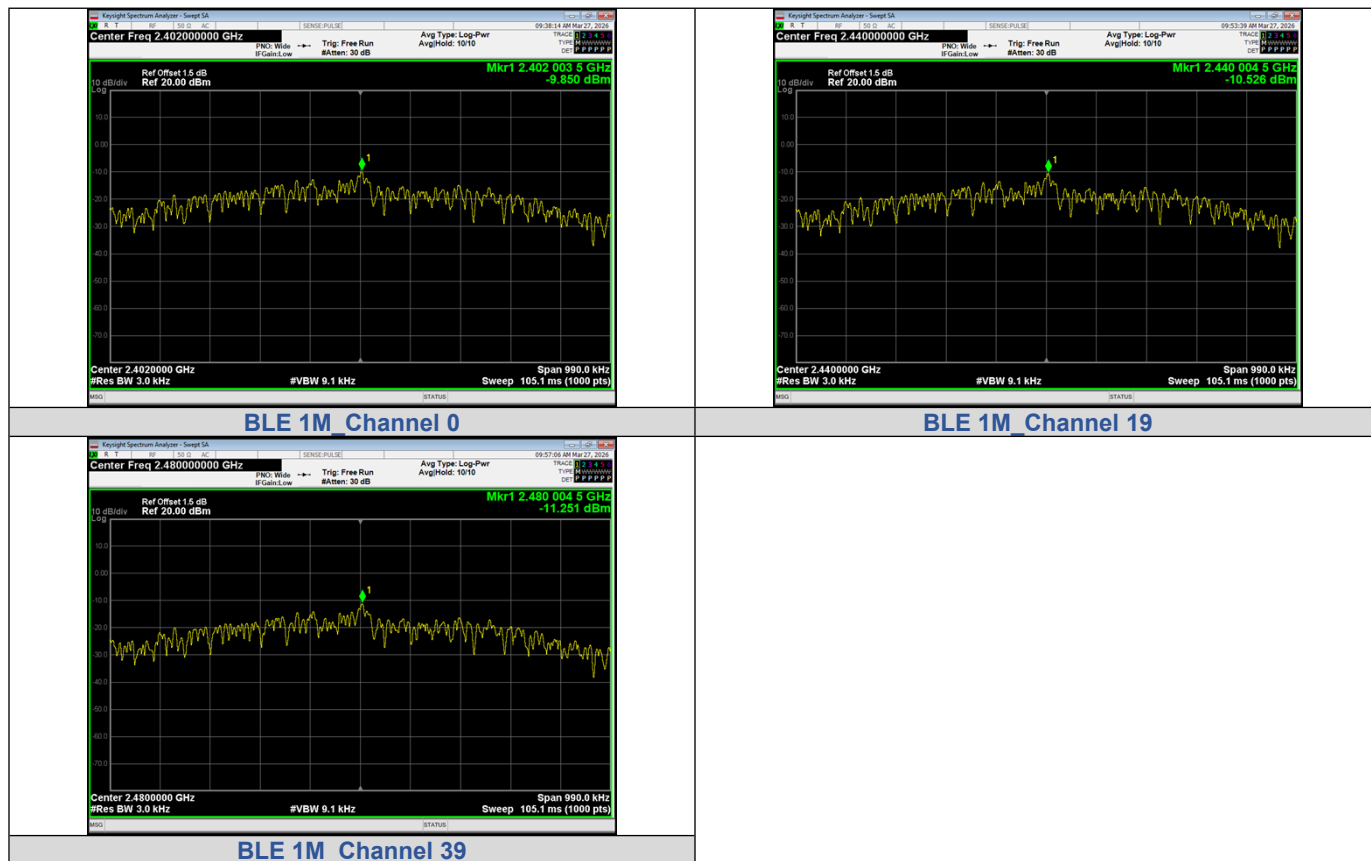


Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-9.850	≤8	PASS
BLE 1M	19	-10.526	≤8	PASS
BLE 1M	39	-11.251	≤8	PASS

Test Graphs



***** End of Report *****