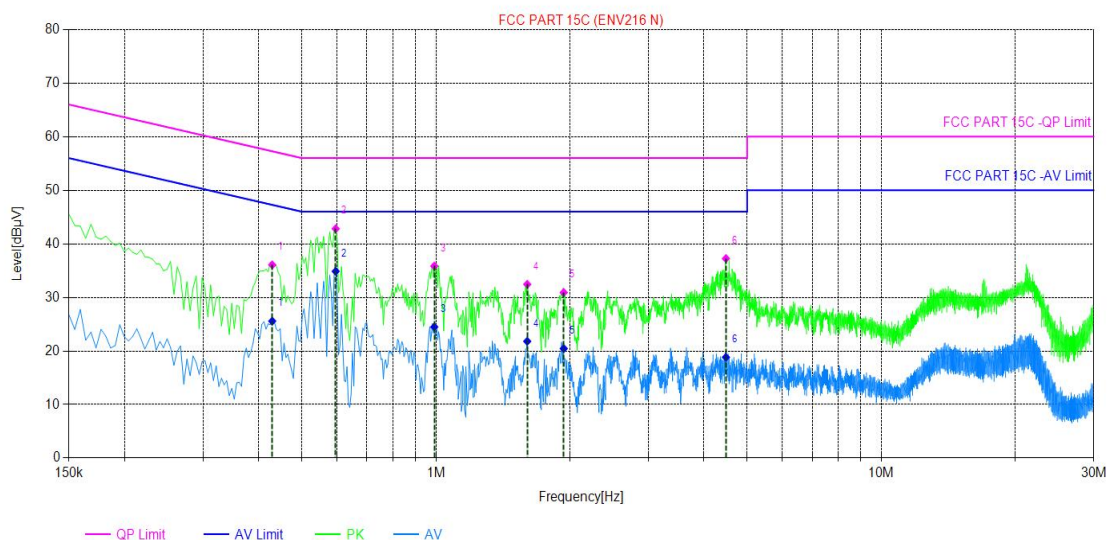




Neutral Line:



NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.429	9.83	36.07	57.27	21.20	25.57	47.27	21.70	PASS
2	0.5955	9.78	42.81	56.00	13.19	34.87	46.00	11.13	PASS
3	0.9915	9.69	35.84	56.00	20.16	24.48	46.00	21.52	PASS
4	1.6035	9.74	32.44	56.00	23.56	21.80	46.00	24.20	PASS
5	1.9365	9.77	30.91	56.00	25.09	20.45	46.00	25.55	PASS
6	4.479	9.97	37.25	56.00	18.75	18.82	46.00	27.18	PASS

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including LISN Factor and the Cable Factor etc.), The basic equation is as follows:
Result Level= Reading Level + Correct Factor(including LISN Factor, Cable Factor etc).



4 Appendix

4.1 Appendix A: Duty Cycle

4.1.1 Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.1352	2.499	85.44	0.8544	0.6834	0.4683
	19	2.1363	2.499	85.49	0.8549	0.6808	0.4681
	39	2.1352	2.499	85.44	0.8544	0.6834	0.4683
BLE 2M	0	1.0789	2.499	43.17	0.4317	3.6482	0.9269
	19	1.0801	2.499	43.22	0.4322	3.6432	0.9258
	39	1.0789	2.499	43.17	0.4317	3.6482	0.9269



4.1.2

Test Graphs





4.2 Appendix B: DTS Bandwidth

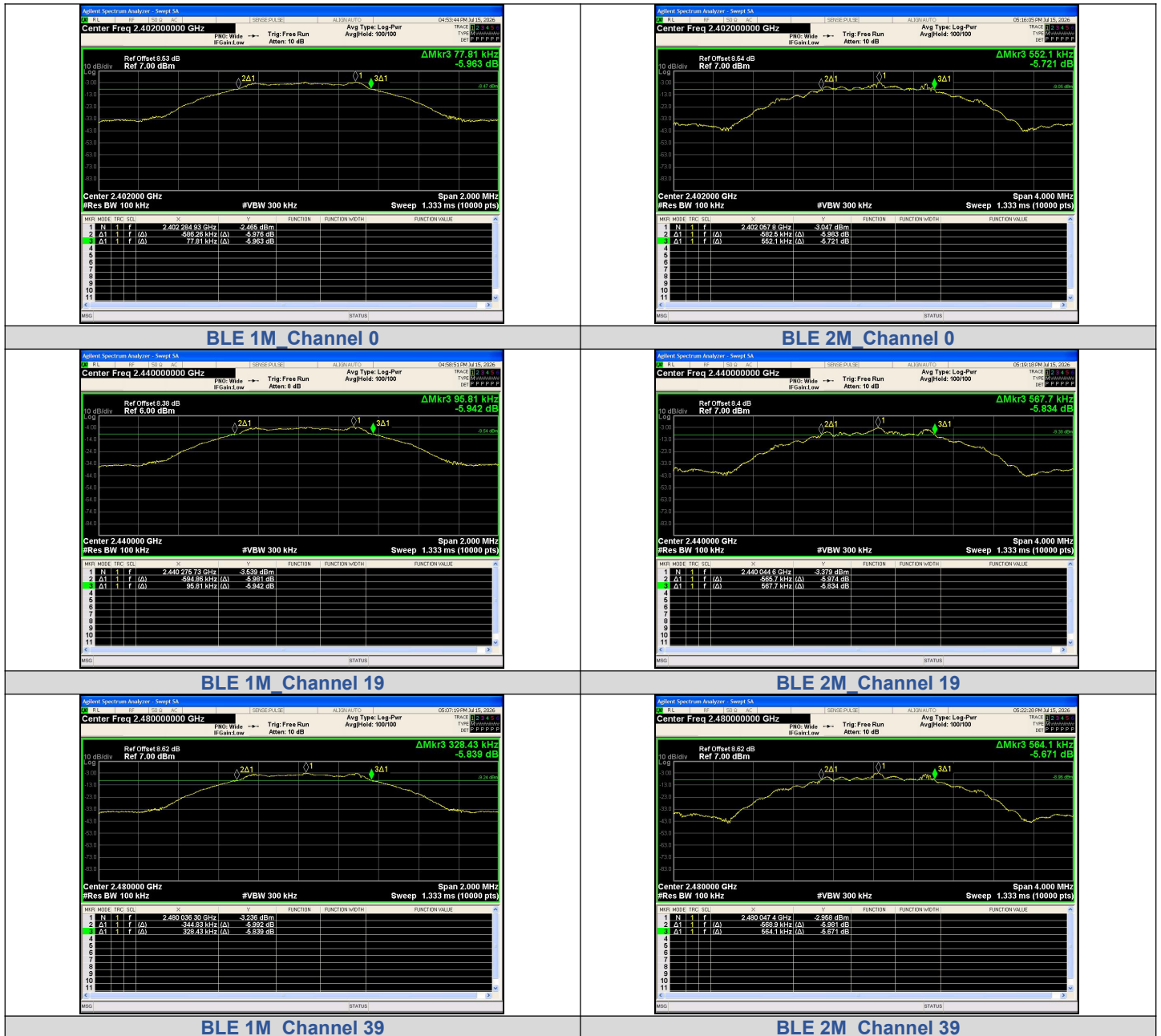
4.2.1 Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Verdict
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6900		PASS
	39	2480	0.6700		PASS
BLE 2M	0	2402	1.130		PASS
	19	2440	1.130		PASS
	39	2480	1.130		PASS



4.2.2

Test Graphs





4.3 Appendix C: Maximum conducted output power

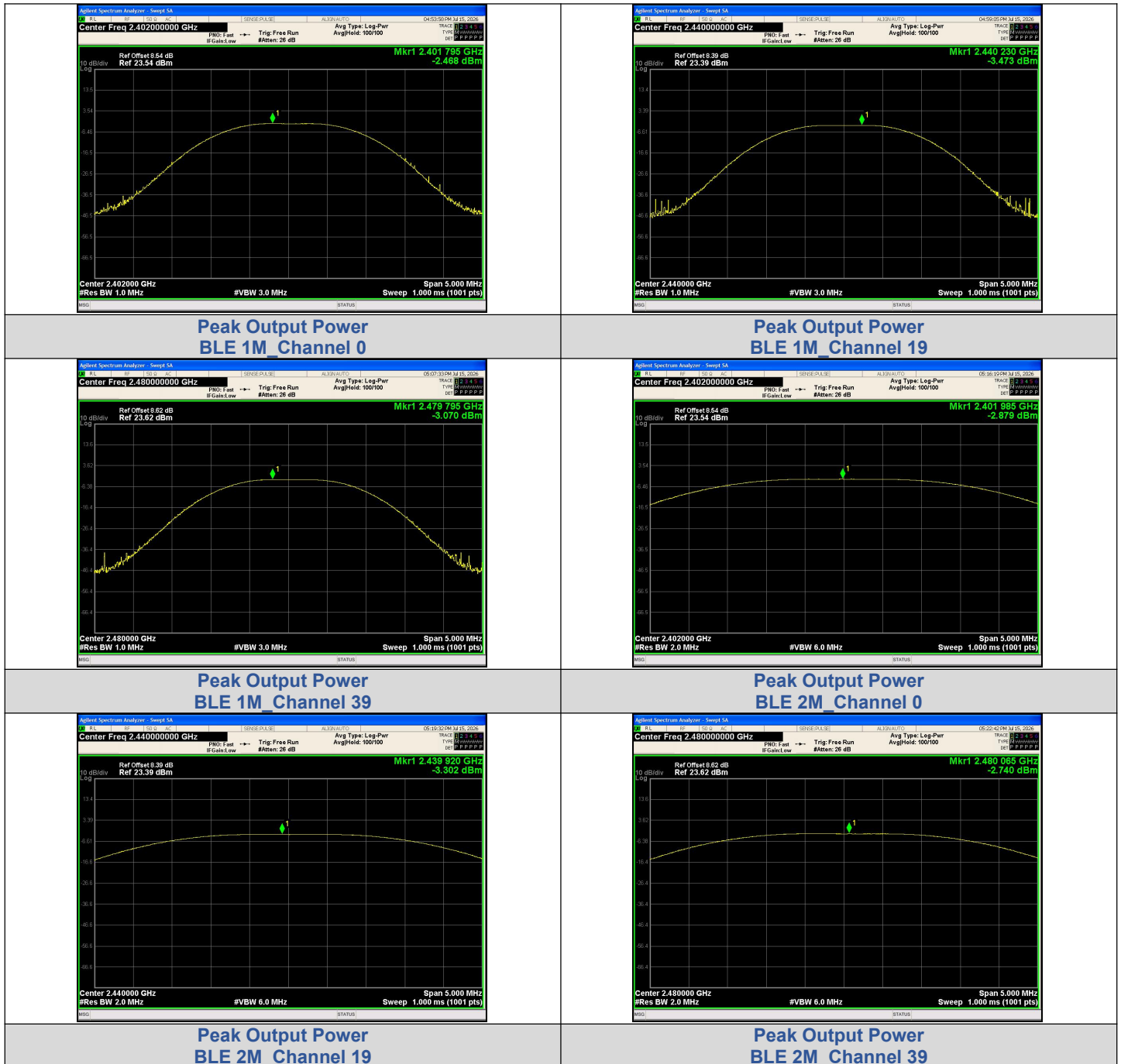
4.3.1 Test Result Peak

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Verdict
BLE 1M	0	-2.468	0.57	≤30	PASS
	19	-3.473	0.45	≤30	PASS
	39	-3.070	0.49	≤30	PASS
BLE 2M	0	-2.879	0.52	≤30	PASS
	19	-3.302	0.47	≤30	PASS
	39	-2.740	0.53	≤30	PASS



4.3.2

Test Graphs





4.4 Appendix D: Maximum power spectral density

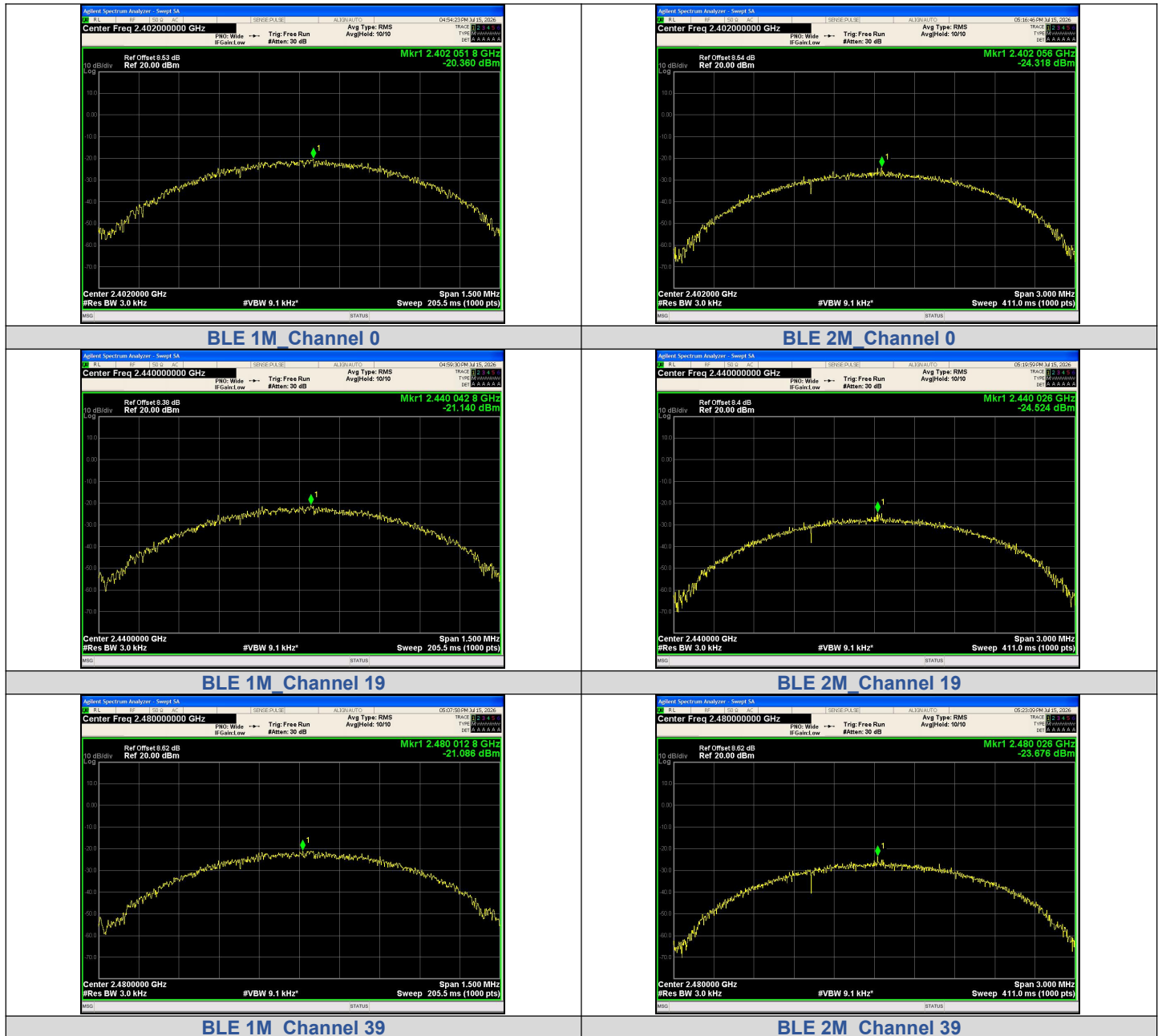
4.4.1 Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	0	-20.360	≤8	PASS
BLE 1M	19	-21.140	≤8	PASS
BLE 1M	39	-21.090	≤8	PASS
BLE 2M	0	-24.320	≤8	PASS
BLE 2M	19	-24.520	≤8	PASS
BLE 2M	39	-23.680	≤8	PASS



4.4.2

Test Graphs



**4.5 Appendix E: Conducted Spurious & Band Edge Emission****4.5.1 Test Result**

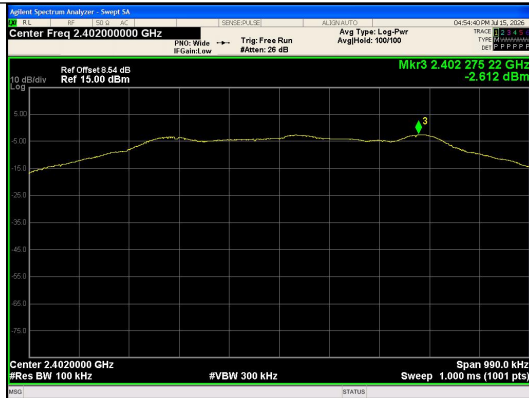
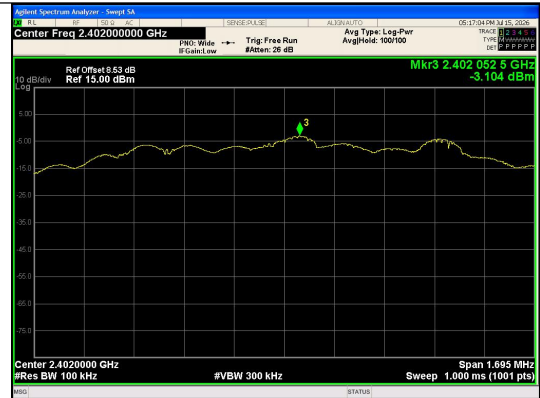
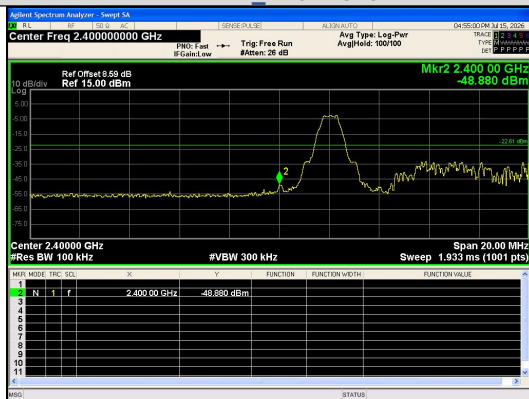
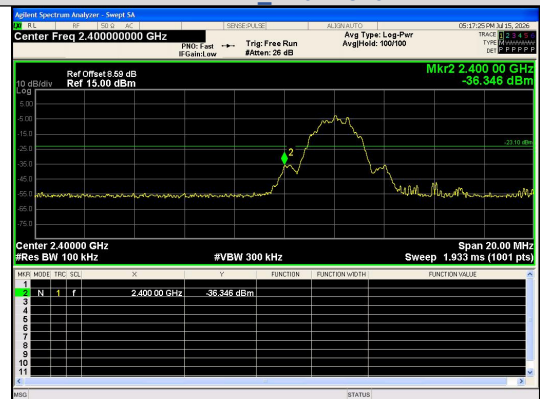
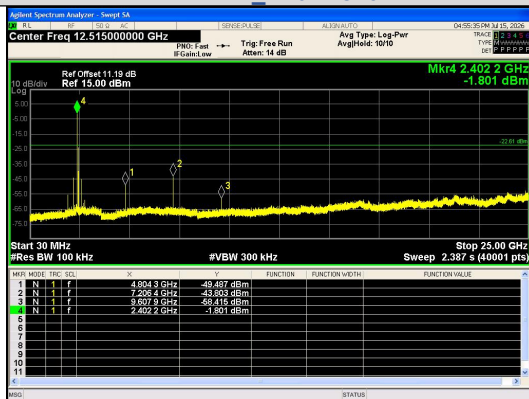
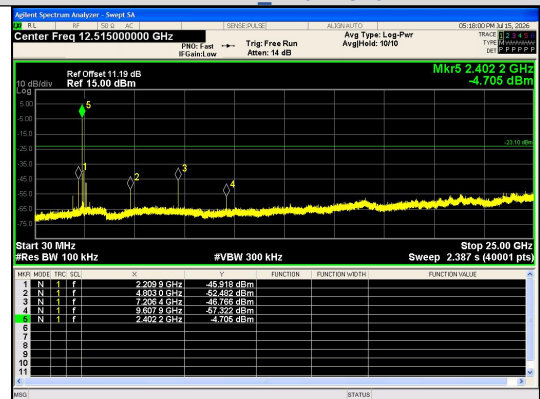
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Verdict
BLE 1M	0	2400.00	-48.880	-22.61	-26.270	PASS
		4804.26	-49.487	-22.61	-26.877	PASS
		7206.38	-43.803	-22.61	-21.193	PASS
		9607.87	-58.415	-22.61	-35.805	PASS
	19	1920.85	-39.400	-23.50	-15.900	PASS
		4879.80	-50.908	-23.50	-27.408	PASS
		7319.99	-45.620	-23.50	-22.120	PASS
		9760.18	-61.525	-23.50	-38.025	PASS
	39	2287.91	-44.138	-23.13	-21.008	PASS
		2483.50	-57.353	-23.13	-34.223	PASS
		4960.33	-53.239	-23.13	-30.109	PASS
		7440.47	-46.328	-23.13	-23.198	PASS
BLE 2M	0	9919.99	-65.712	-23.13	-42.582	PASS
		2209.88	-45.918	-23.10	-22.818	PASS
		2400.00	-36.346	-23.10	-13.246	PASS
		4803.02	-52.482	-23.10	-29.382	PASS
		7206.38	-46.767	-23.10	-23.666	PASS
	19	9607.87	-57.322	-23.10	-34.222	PASS
		2247.34	-45.529	-23.55	-21.979	PASS
		4881.05	-54.881	-23.55	-31.331	PASS
		7319.99	-46.511	-23.55	-22.961	PASS
	39	9760.18	-62.709	-23.55	-39.159	PASS
		2483.50	-55.367	-22.99	-32.377	PASS
		4960.95	-54.381	-22.99	-31.391	PASS
		7440.47	-45.686	-22.99	-22.696	PASS
		9919.99	-64.796	-22.99	-41.806	PASS

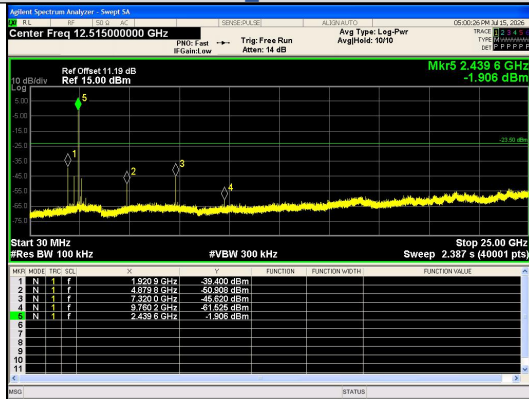
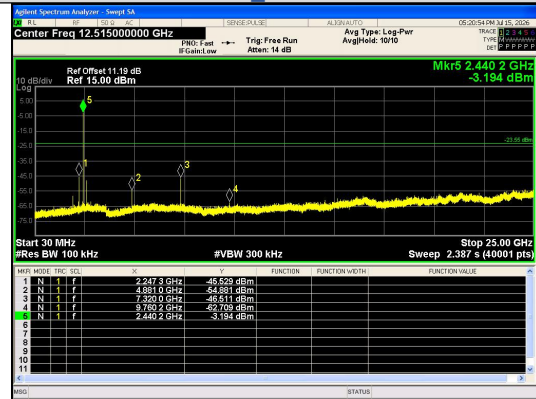
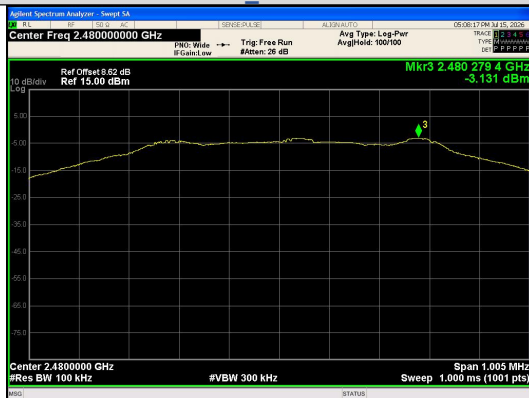
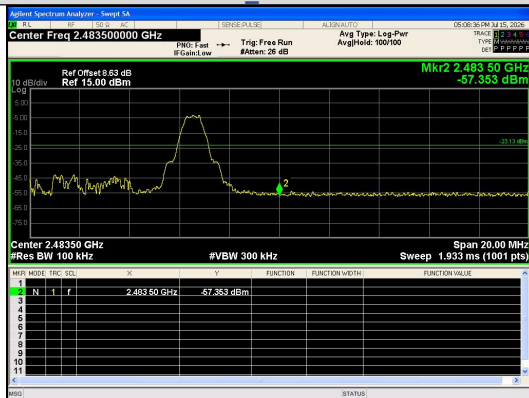
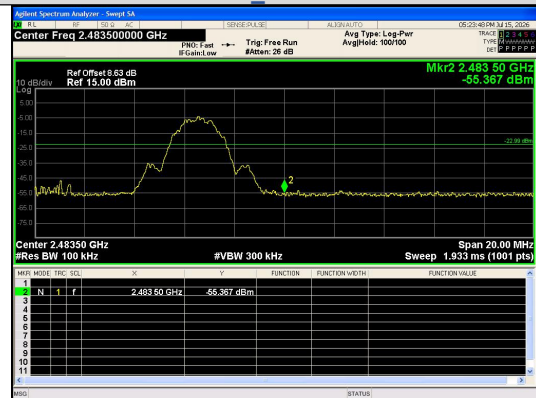
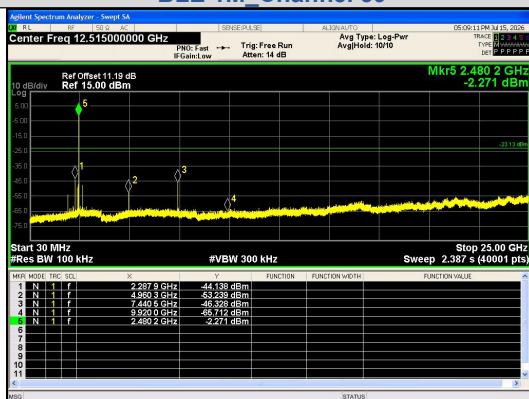
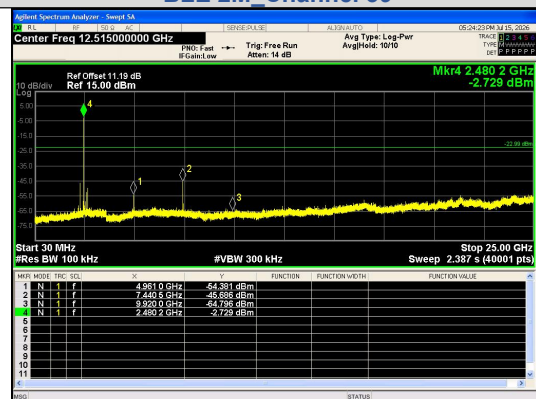
Note: input compensation coefficient (dB)= Cable Loss (dB)



4.5.2

Test Graphs

In-Band Reference Level
BLE 1M Channel 0In-Band Reference Level
BLE 2M Channel 0Out Of Band Emission
BLE 1M Channel 0Out Of Band Emission
BLE 2M Channel 030.0 MHz - 25000.0 MHz
BLE 1M Channel 030.0 MHz - 25000.0 MHz
BLE 2M Channel 0

**In-Band Reference Level
BLE 1M Channel 19****In-Band Reference Level
BLE 2M Channel 19****30.0 MHz - 25000.0 MHz
BLE 1M Channel 19****30.0 MHz - 25000.0 MHz
BLE 2M Channel 19****In-Band Reference Level
BLE 1M Channel 39****In-Band Reference Level
BLE 2M Channel 39****Out Of Band Emission
BLE 1M Channel 39****Out Of Band Emission
BLE 2M Channel 39****30.0 MHz - 25000.0 MHz****30.0 MHz - 25000.0 MHz**



The End Report