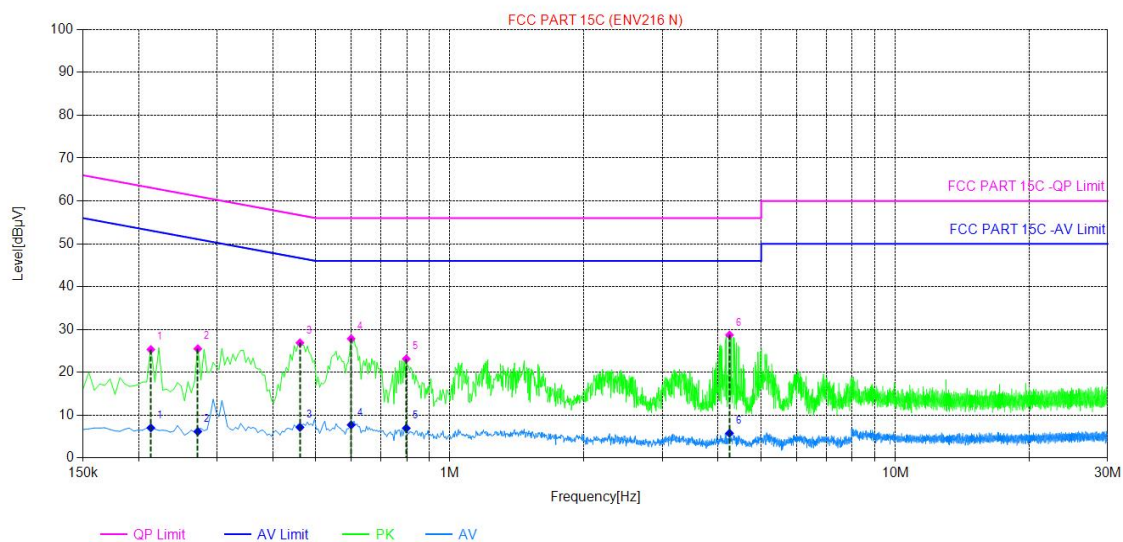




Neutral Line:



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	0.213	9.87	25.33	63.09	37.76	7.05	53.09	46.04	PASS
2	0.2715	9.88	25.51	61.07	35.56	6.20	51.07	44.87	PASS
3	0.4605	9.77	26.90	56.68	29.78	7.18	46.68	39.50	PASS
4	0.6	9.78	27.85	56.00	28.15	7.74	46.00	38.26	PASS
5	0.798	9.80	23.15	56.00	32.85	6.98	46.00	39.02	PASS
6	4.245	9.96	28.72	56.00	27.28	5.80	46.00	40.20	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

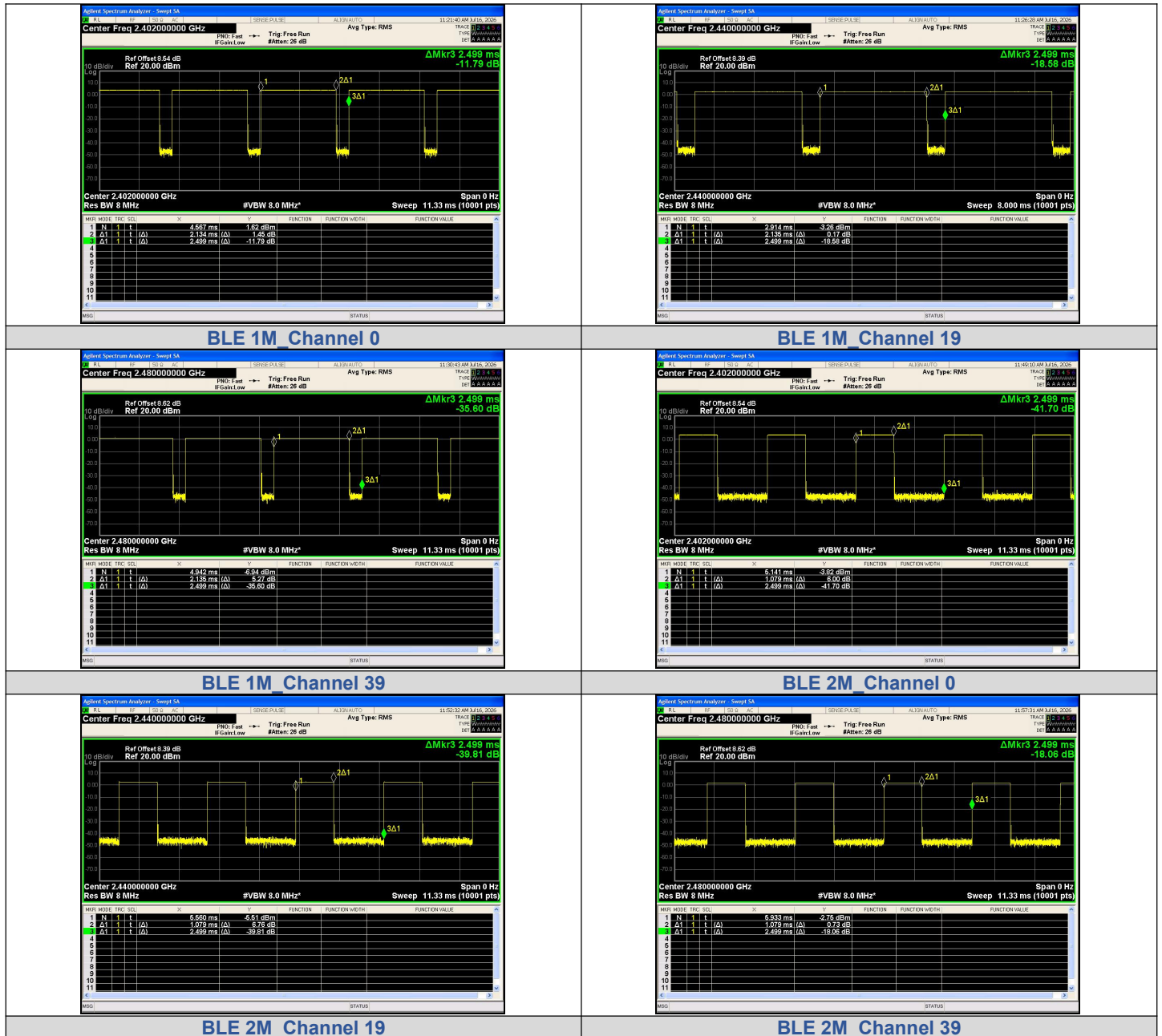
4.1.1 Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.1341	2.499	85.40	0.8540	0.6854	0.4686
	19	2.1352	2.499	85.44	0.8544	0.6834	0.4683
	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	1.0789	2.499	43.17	0.4317	3.6482	0.9269
	39	1.0789	2.499	43.17	0.4317	3.6482	0.9269



4.1.2

Test Graphs





4.2 Appendix B: DTS Bandwidth

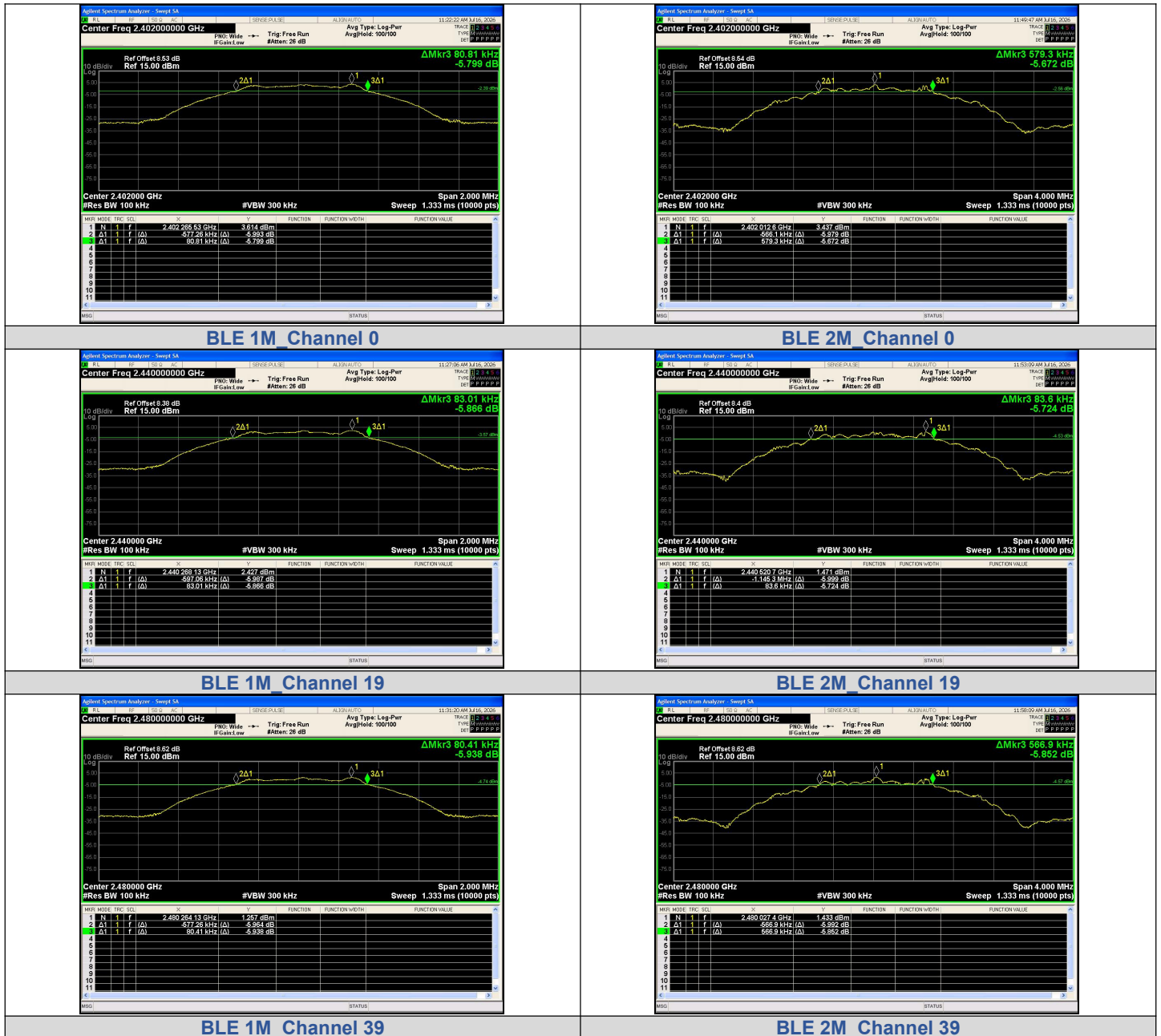
4.2.1 Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Verdict
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6800		PASS
	39	2480	0.6500		PASS
BLE 2M	0	2402	1.140		PASS
	19	2440	1.220		PASS
	39	2480	1.130		PASS



4.2.2

Test Graphs





4.3 Appendix C: Maximum conducted output power

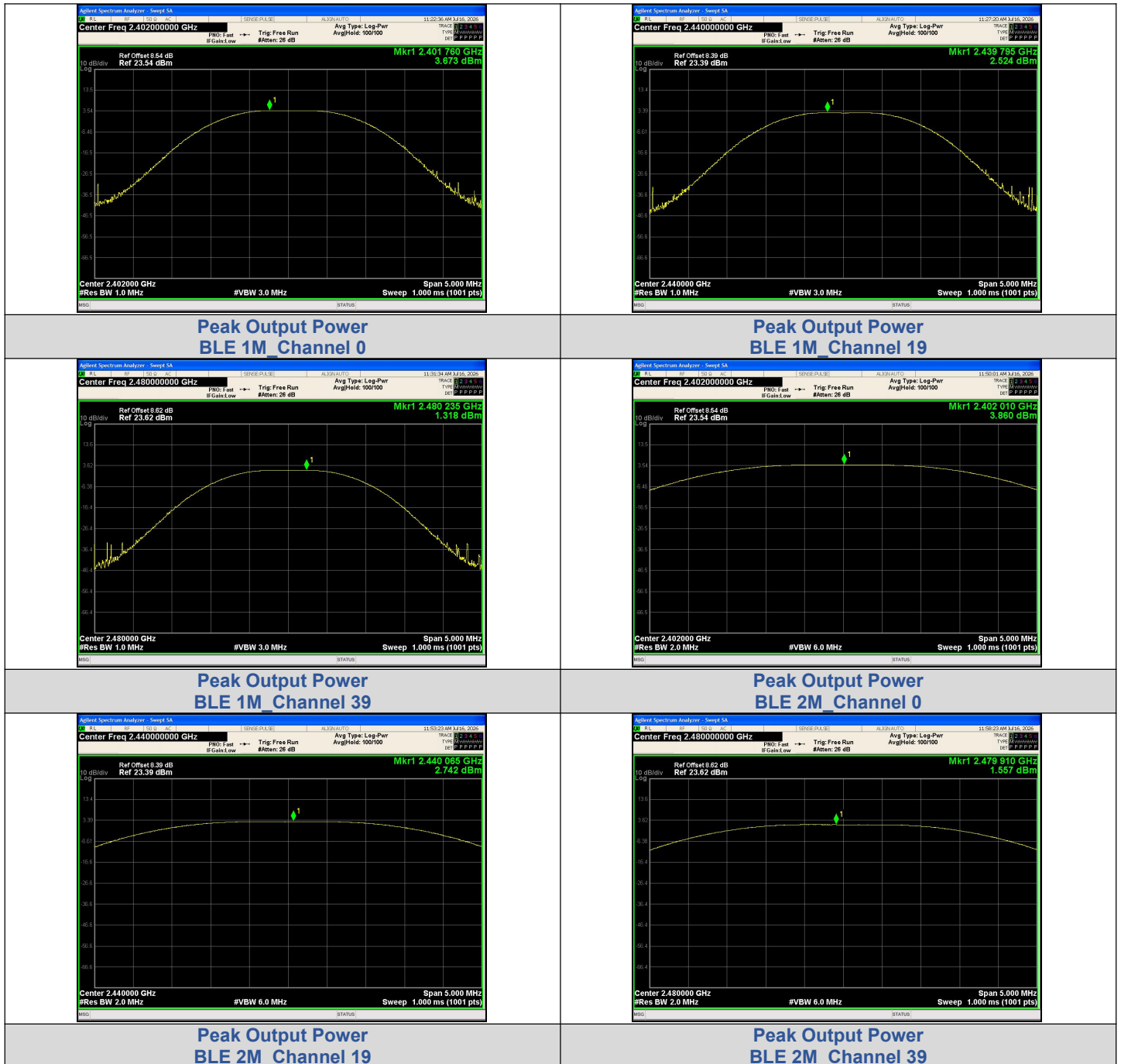
4.3.1 Test Result Peak

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Verdict
BLE 1M	0	3.673	2.33	≤30	PASS
	19	2.524	1.79	≤30	PASS
	39	1.318	1.35	≤30	PASS
BLE 2M	0	3.860	2.43	≤30	PASS
	19	2.742	1.88	≤30	PASS
	39	1.557	1.43	≤30	PASS



4.3.2

Test Graphs





4.4 Appendix D: Maximum power spectral density

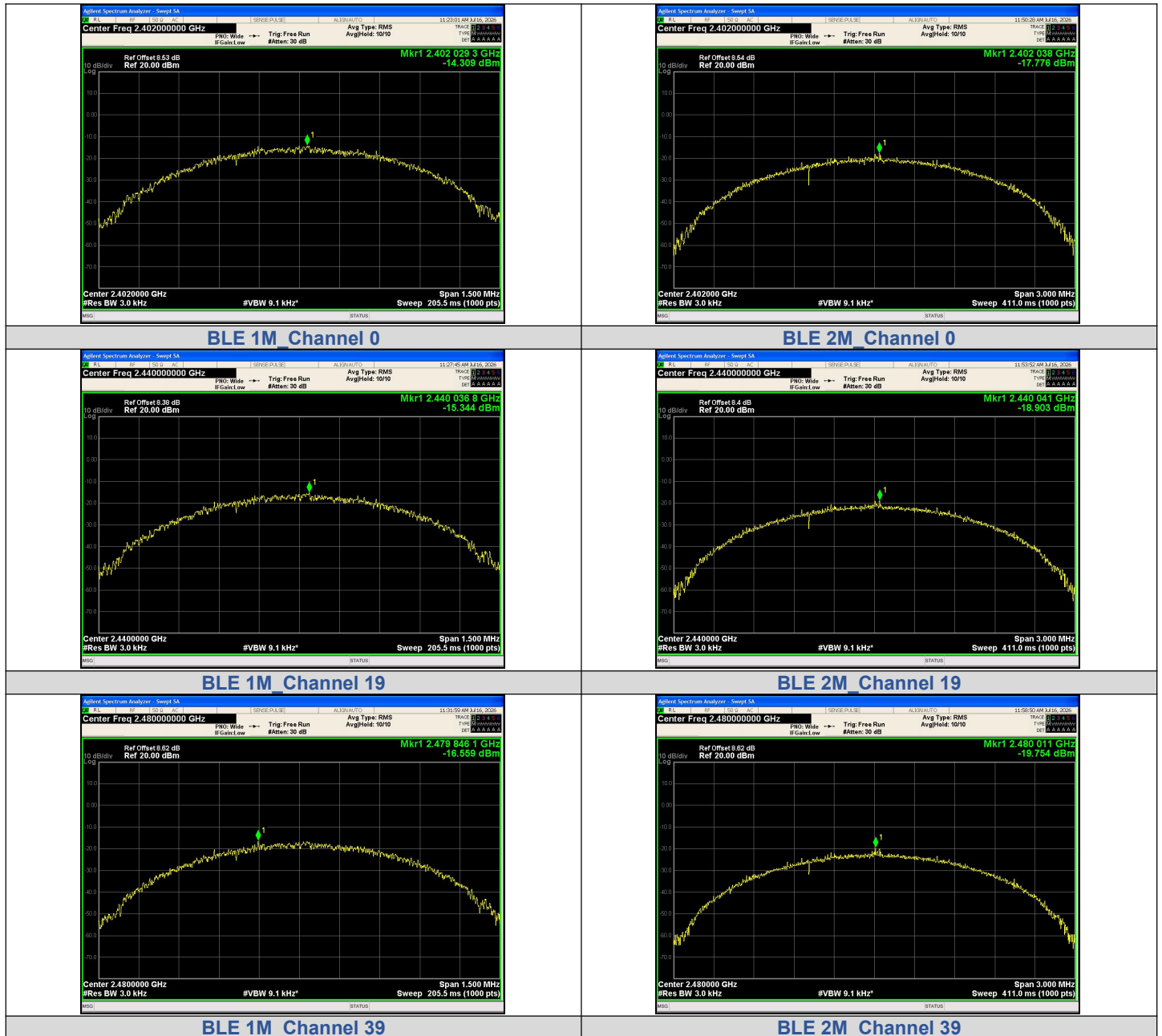
4.4.1 Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	0	-14.310	≤8	PASS
BLE 1M	19	-15.340	≤8	PASS
BLE 1M	39	-16.560	≤8	PASS
BLE 2M	0	-17.780	≤8	PASS
BLE 2M	19	-18.900	≤8	PASS
BLE 2M	39	-19.750	≤8	PASS



4.4.2

Test Graphs



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

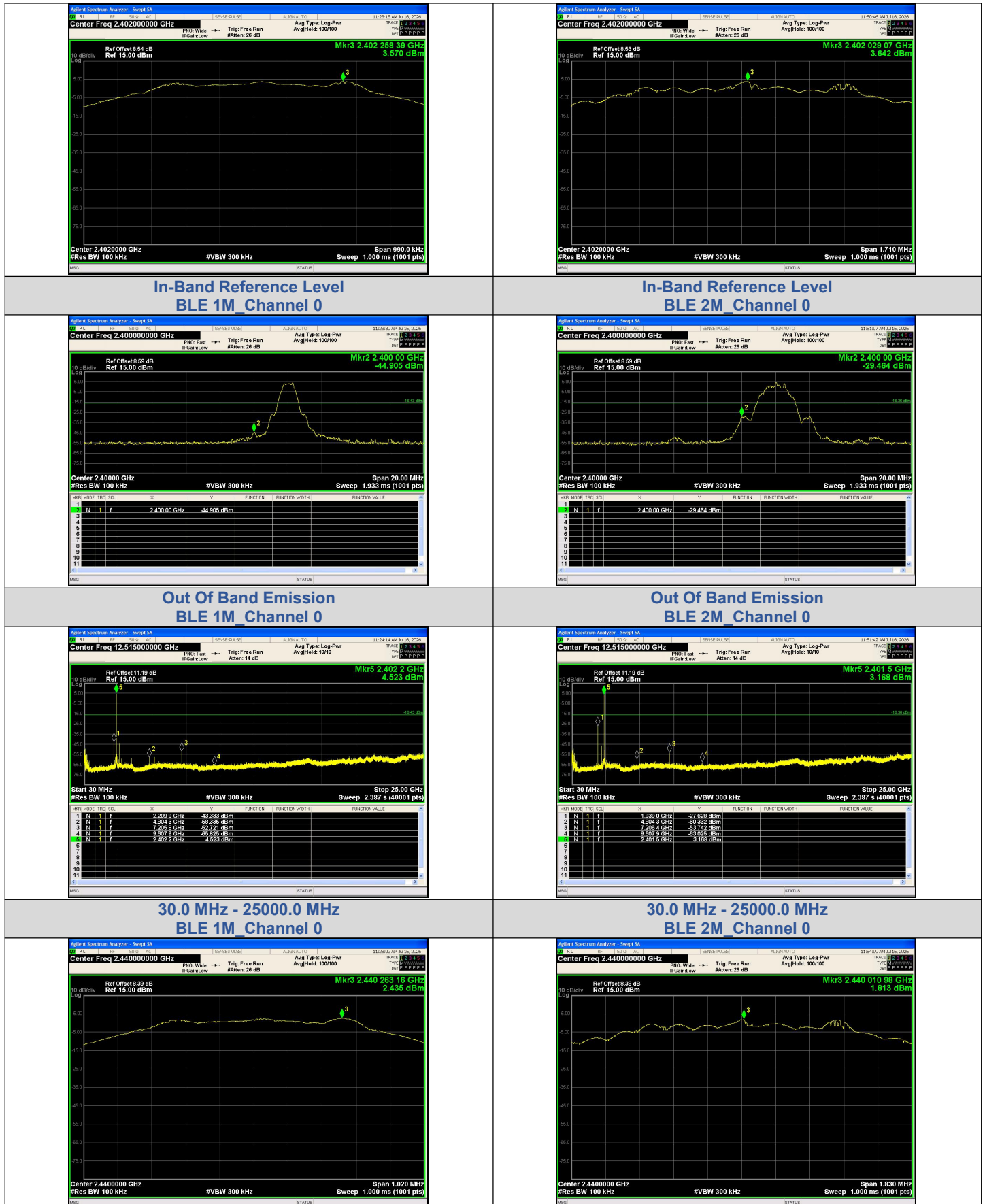
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Verdict
BLE 1M	0	2209.88	-43.333	-16.43	-26.903	PASS
		2400.00	-44.905	-16.43	-28.475	PASS
		4804.26	-58.335	-16.43	-41.905	PASS
		7205.75	-52.721	-16.43	-36.291	PASS
		9607.87	-65.825	-16.43	-49.395	PASS
	19	1935.21	-40.395	-17.56	-22.835	PASS
		4880.42	-60.174	-17.56	-42.614	PASS
		7319.99	-51.634	-17.56	-34.074	PASS
		9760.18	-58.495	-17.56	-40.935	PASS
	39	1938.96	-31.172	-18.76	-12.412	PASS
		2483.50	-54.876	-18.76	-36.116	PASS
		4960.33	-57.750	-18.76	-38.990	PASS
		7439.85	-52.084	-18.76	-33.324	PASS
		9919.99	-59.230	-18.76	-40.470	PASS
BLE 2M	0	1938.96	-27.628	-16.36	-11.268	PASS
		2400.00	-29.464	-16.36	-13.104	PASS
		4804.26	-60.332	-16.36	-43.972	PASS
		7206.38	-53.742	-16.36	-37.382	PASS
		9607.87	-63.025	-16.36	-46.665	PASS
	19	2247.96	-44.428	-18.19	-26.238	PASS
		4879.80	-58.923	-18.19	-40.733	PASS
		7319.99	-53.855	-18.19	-35.665	PASS
		9760.18	-58.972	-18.19	-40.782	PASS
	39	1923.35	-38.168	-18.61	-19.558	PASS
		2483.50	-54.263	-18.61	-35.653	PASS
		4959.70	-62.251	-18.61	-43.641	PASS
		7439.85	-55.881	-18.61	-37.271	PASS
		9919.99	-59.855	-18.61	-41.245	PASS

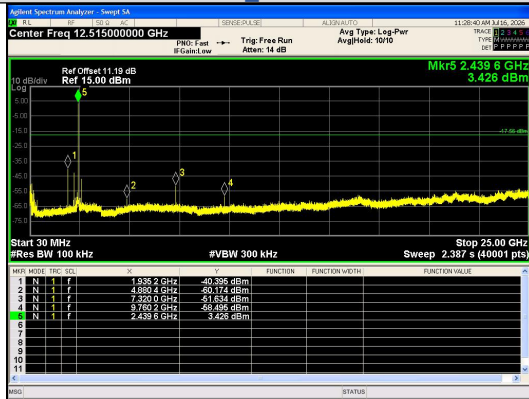
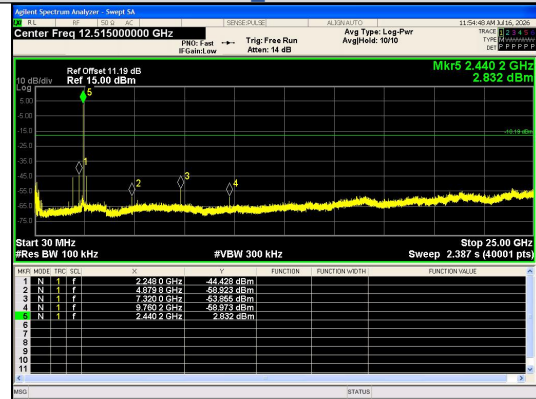
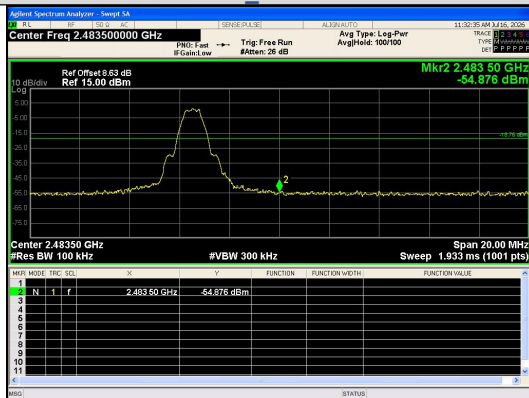
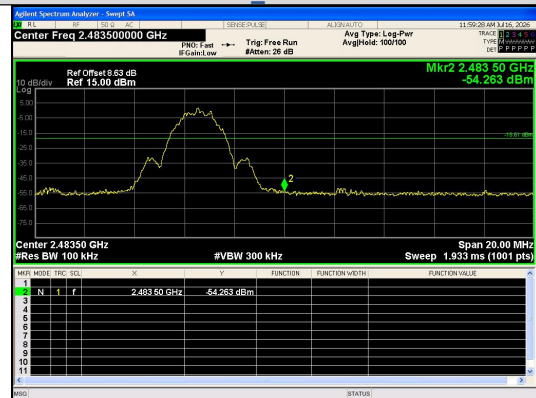
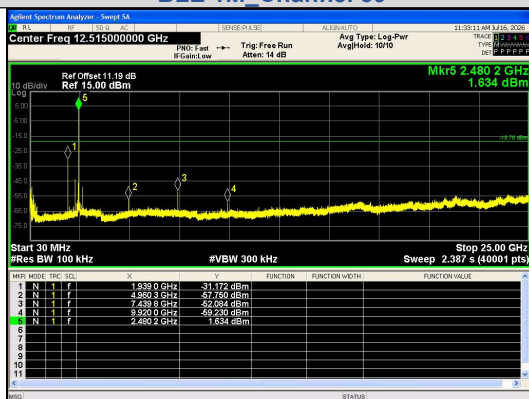
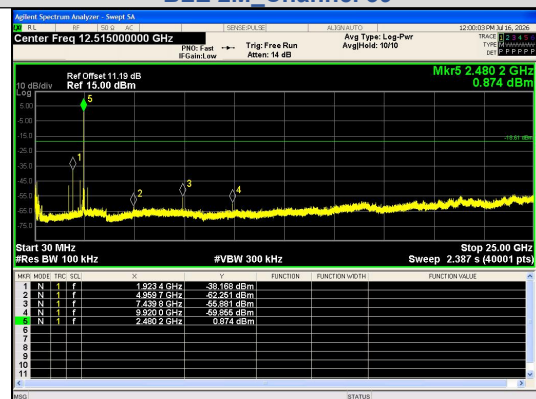
Note: input compensation coefficient (dB)= Cable Loss (dB)



4.5.2

Test Graphs



**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