

Appendix Test Data

Report No.:	1812C60217312501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-4-21	Finish Test Date:	2026-4-24
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	22.1℃	Relative Humidity:	68%
Pressure:	101kPa		



Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.680	2402.344	0.5	PASS
BLE_1M	Ant1	2440	0.684	2439.668	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.700	2479.664	2480.364	0.5	PASS
BLE_2M	Ant1	2402	1.064	2401.504	2402.568	0.5	PASS
BLE_2M	Ant1	2440	1.160	2439.440	2440.600	0.5	PASS
BLE_2M	Ant1	2480	1.236	2479.368	2480.604	0.5	PASS

Test Graphs



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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0324	2401.5031	2402.5355	---	---
BLE_1M	Ant1	2440	1.0305	2439.5028	2440.5333	---	---
BLE_1M	Ant1	2480	1.0229	2479.5070	2480.5299	---	---
BLE_2M	Ant1	2402	2.0540	2400.9961	2403.0501	---	---
BLE_2M	Ant1	2440	2.0769	2438.9961	2441.0730	---	---
BLE_2M	Ant1	2480	2.0776	2478.9931	2481.0707	---	---

Test Graphs



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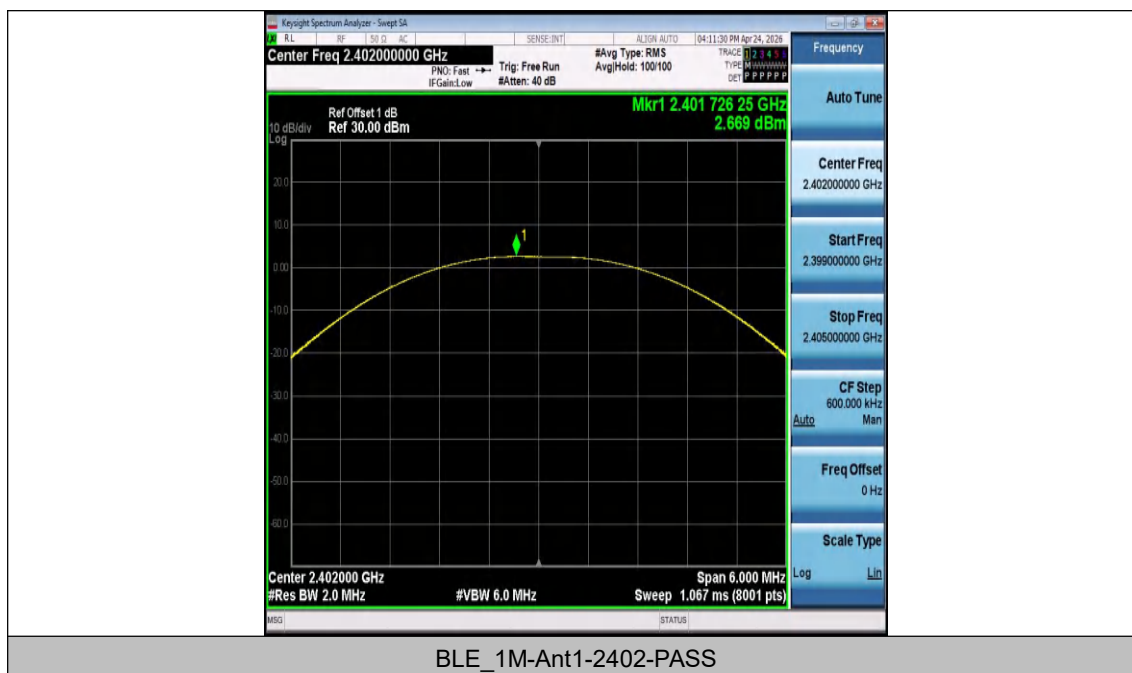
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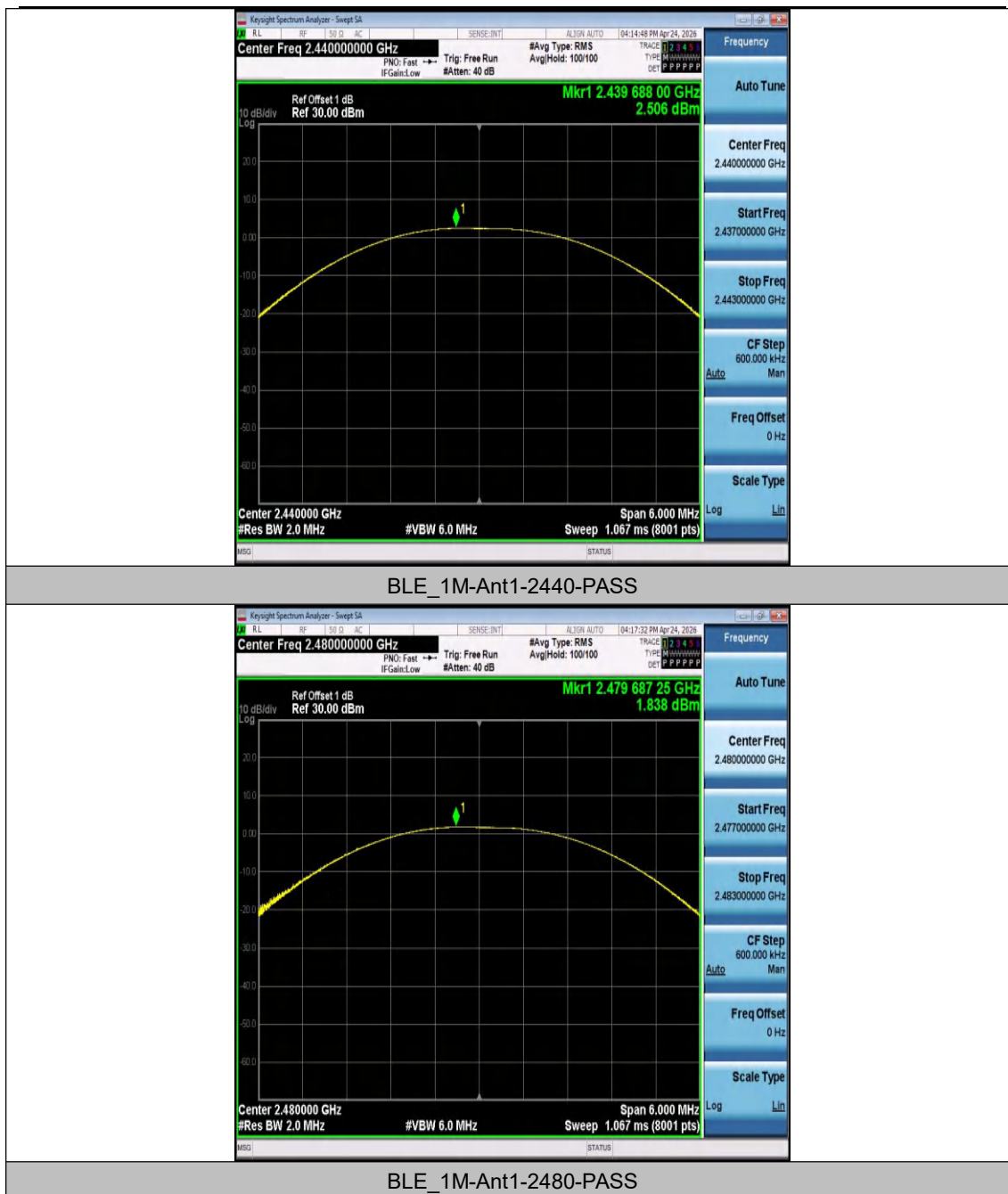
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.67	≤30	PASS
BLE_1M	Ant1	2440	2.51	≤30	PASS
BLE_1M	Ant1	2480	1.84	≤30	PASS
BLE_2M	Ant1	2402	2.80	≤30	PASS
BLE_2M	Ant1	2440	2.76	≤30	PASS
BLE_2M	Ant1	2480	2.08	≤30	PASS

Test Graphs Peak

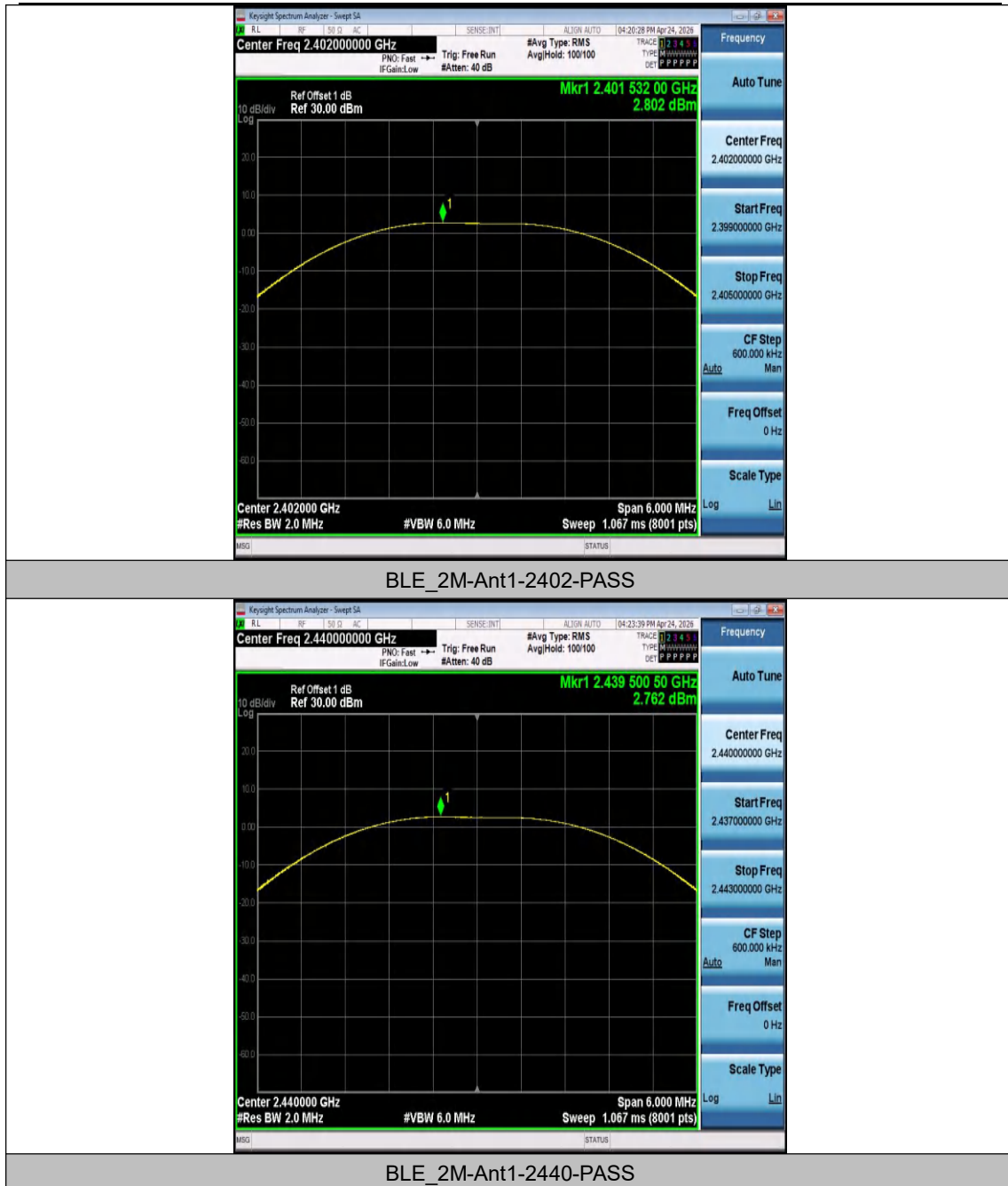




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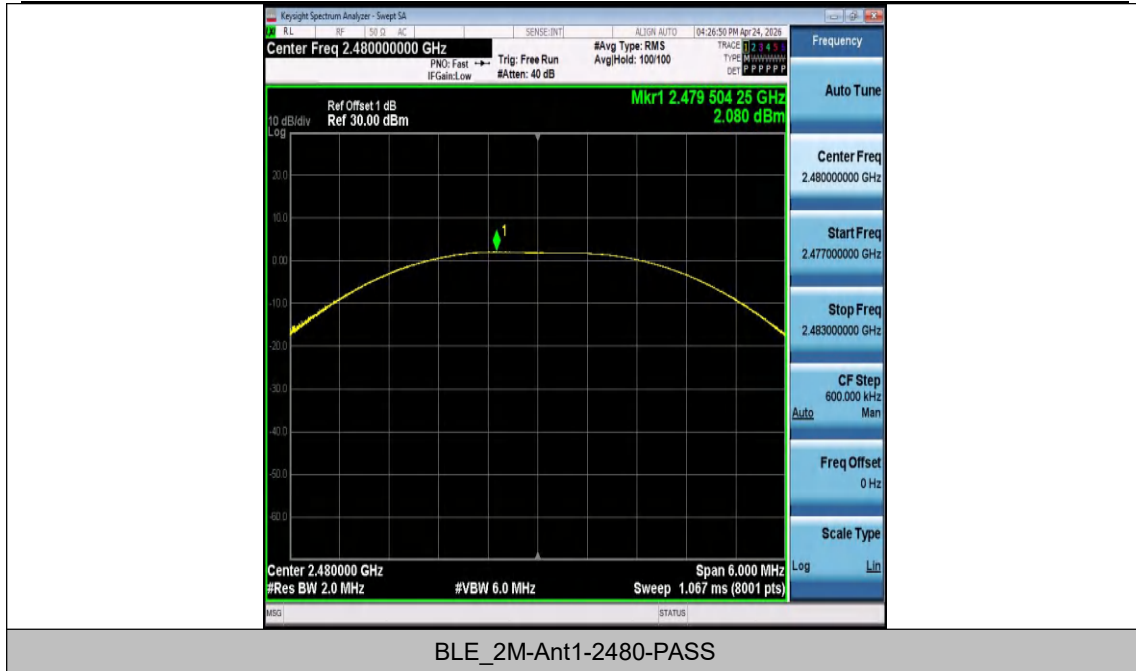
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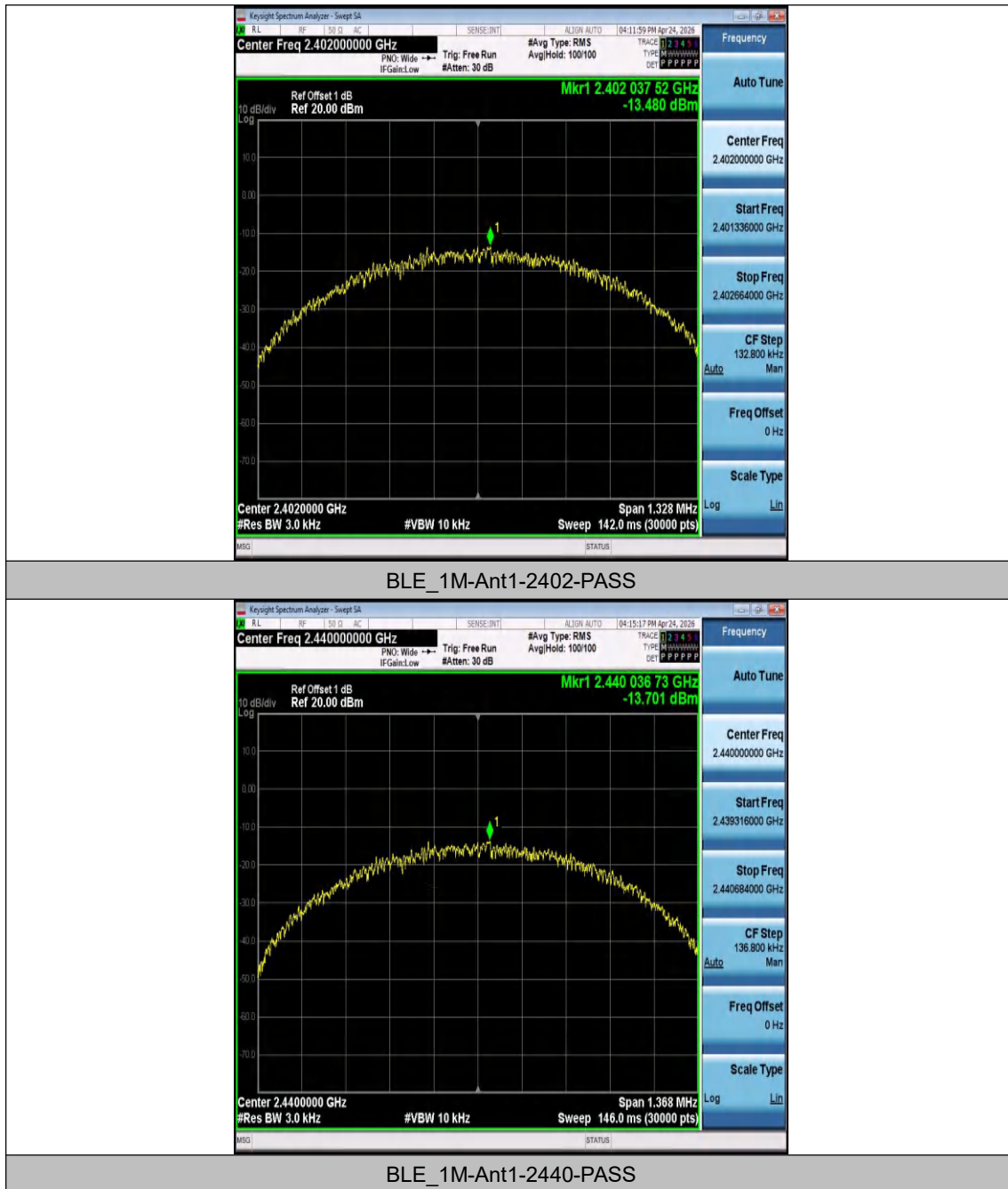
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.48	≤8.00	PASS
BLE_1M	Ant1	2440	-13.70	≤8.00	PASS
BLE_1M	Ant1	2480	-14.34	≤8.00	PASS
BLE_2M	Ant1	2402	-15.77	≤8.00	PASS
BLE_2M	Ant1	2440	-15.57	≤8.00	PASS
BLE_2M	Ant1	2480	-16.23	≤8.00	PASS

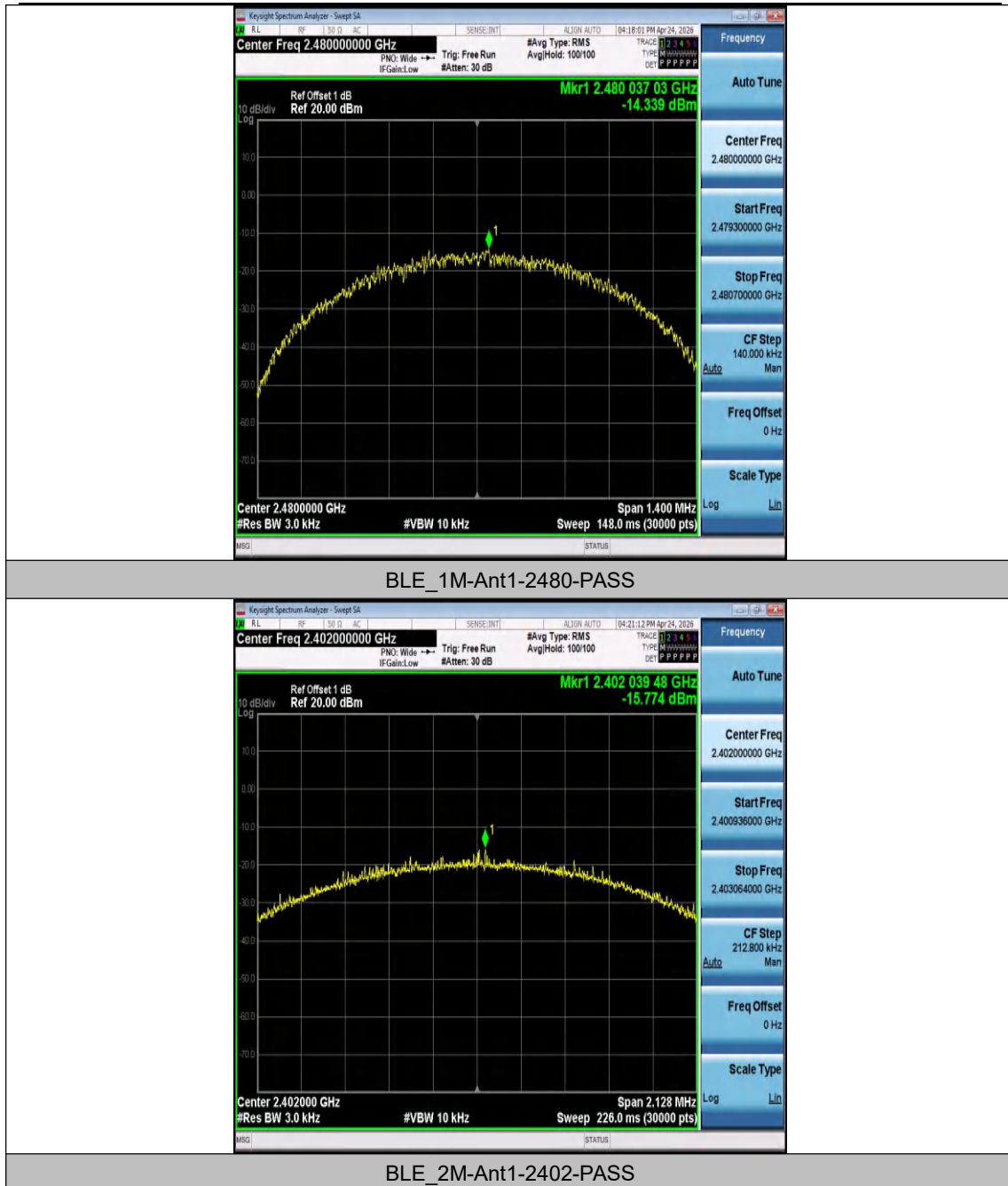
Test Graphs



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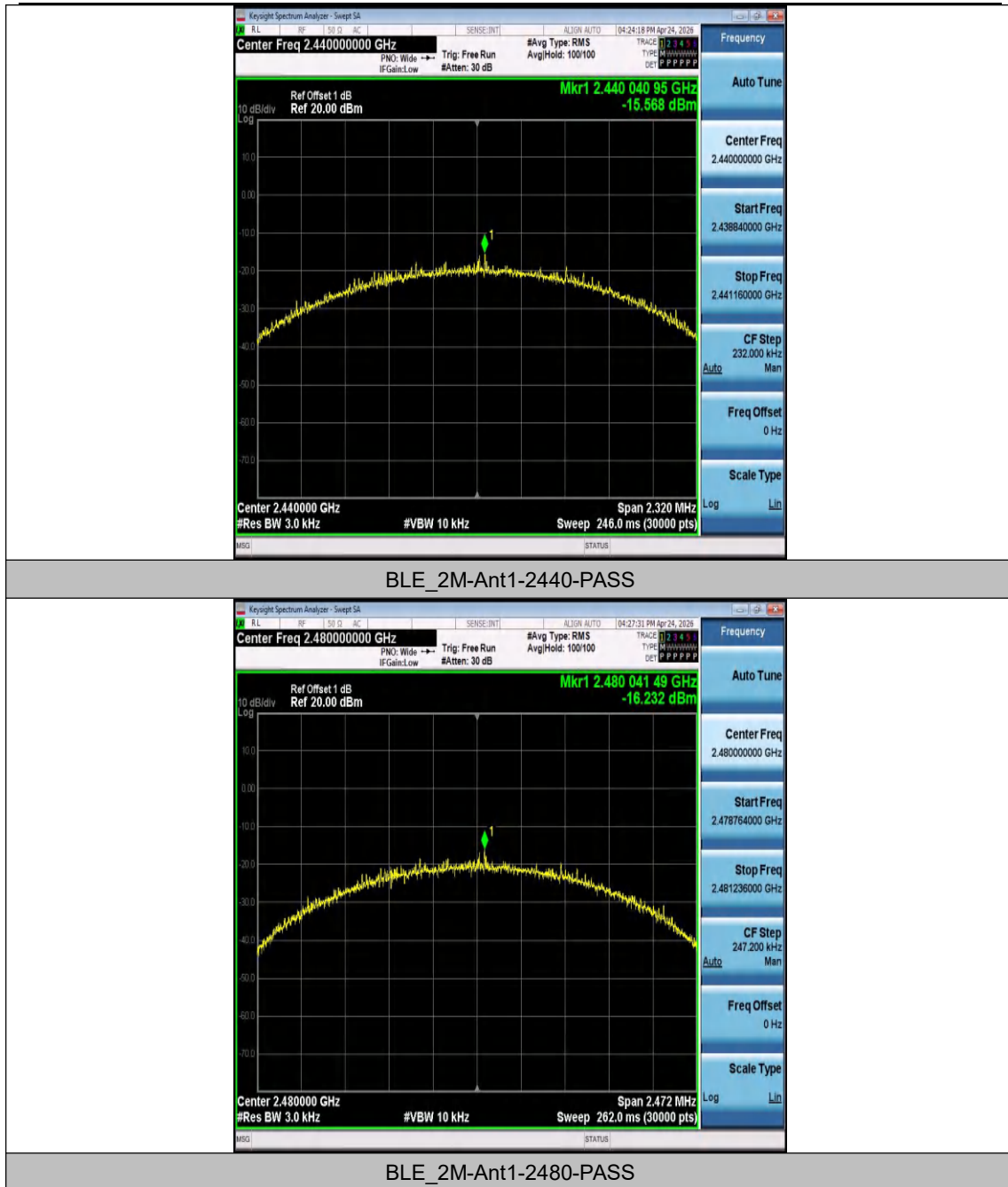
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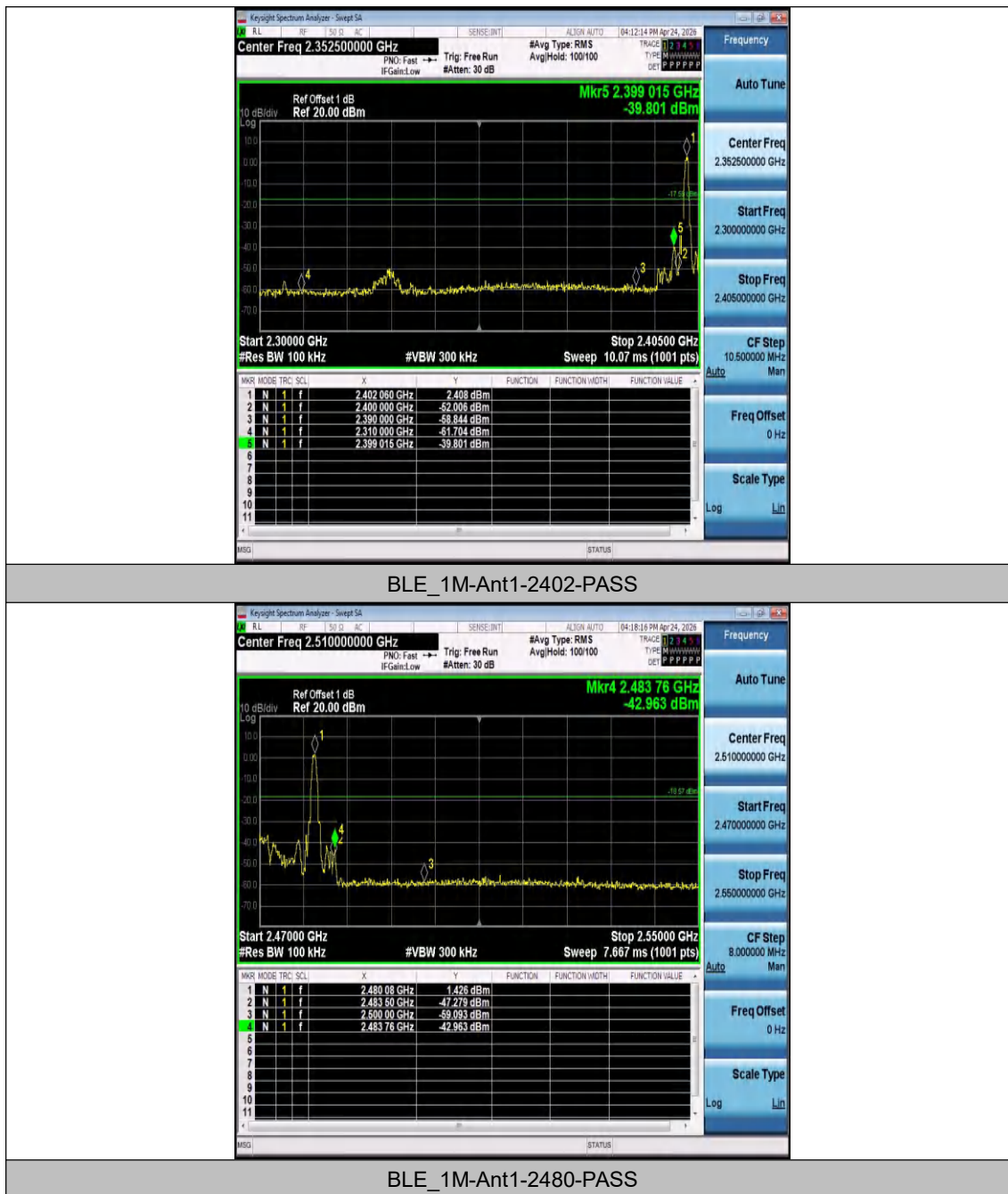
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.41	-39.8	≤-17.59	PASS
BLE_1M	Ant1	High	2480	1.43	-42.96	≤-18.57	PASS
BLE_2M	Ant1	Low	2402	1.55	-33.29	≤-18.45	PASS
BLE_2M	Ant1	High	2480	0.27	-46.07	≤-19.73	PASS

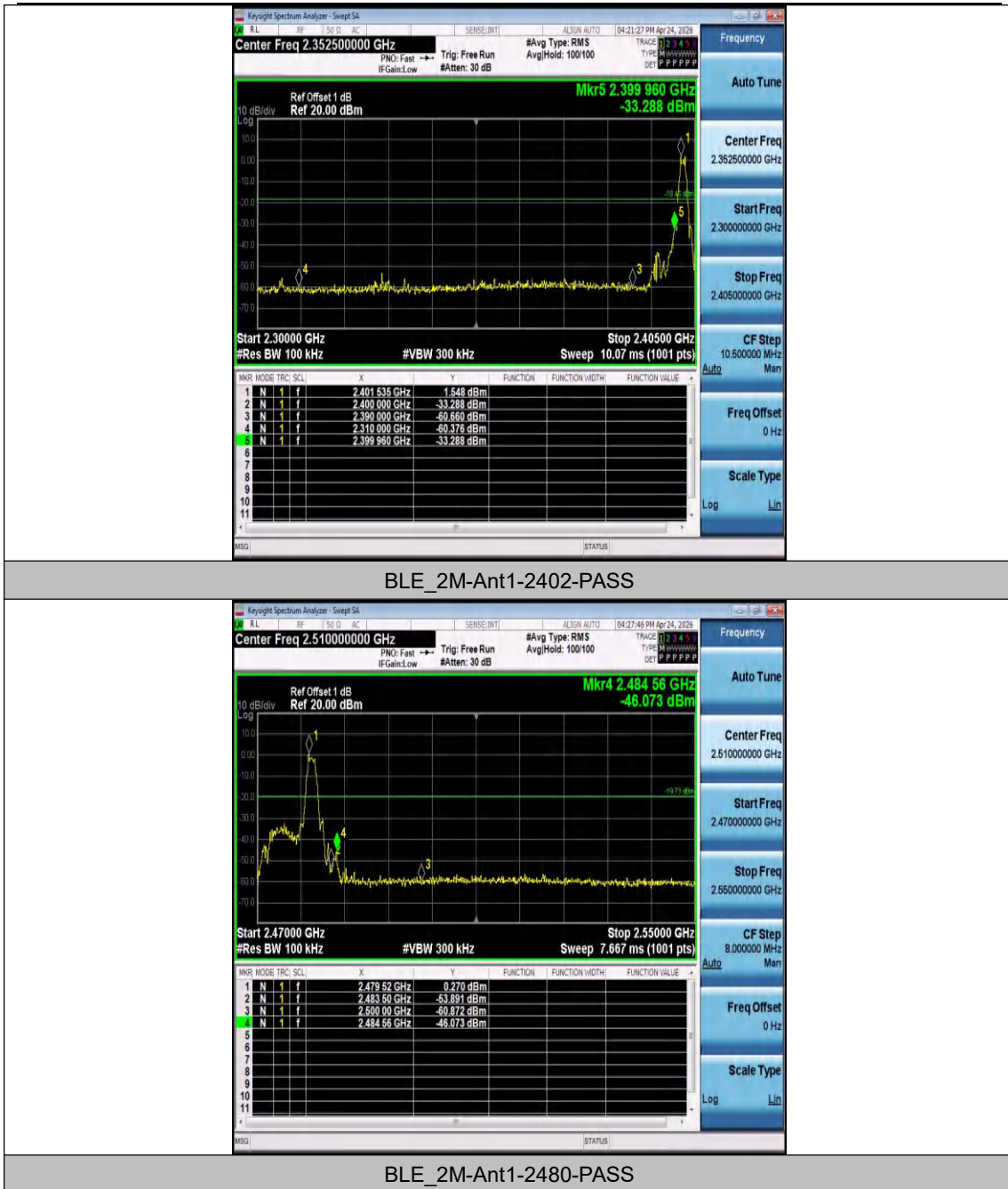
Test Graphs



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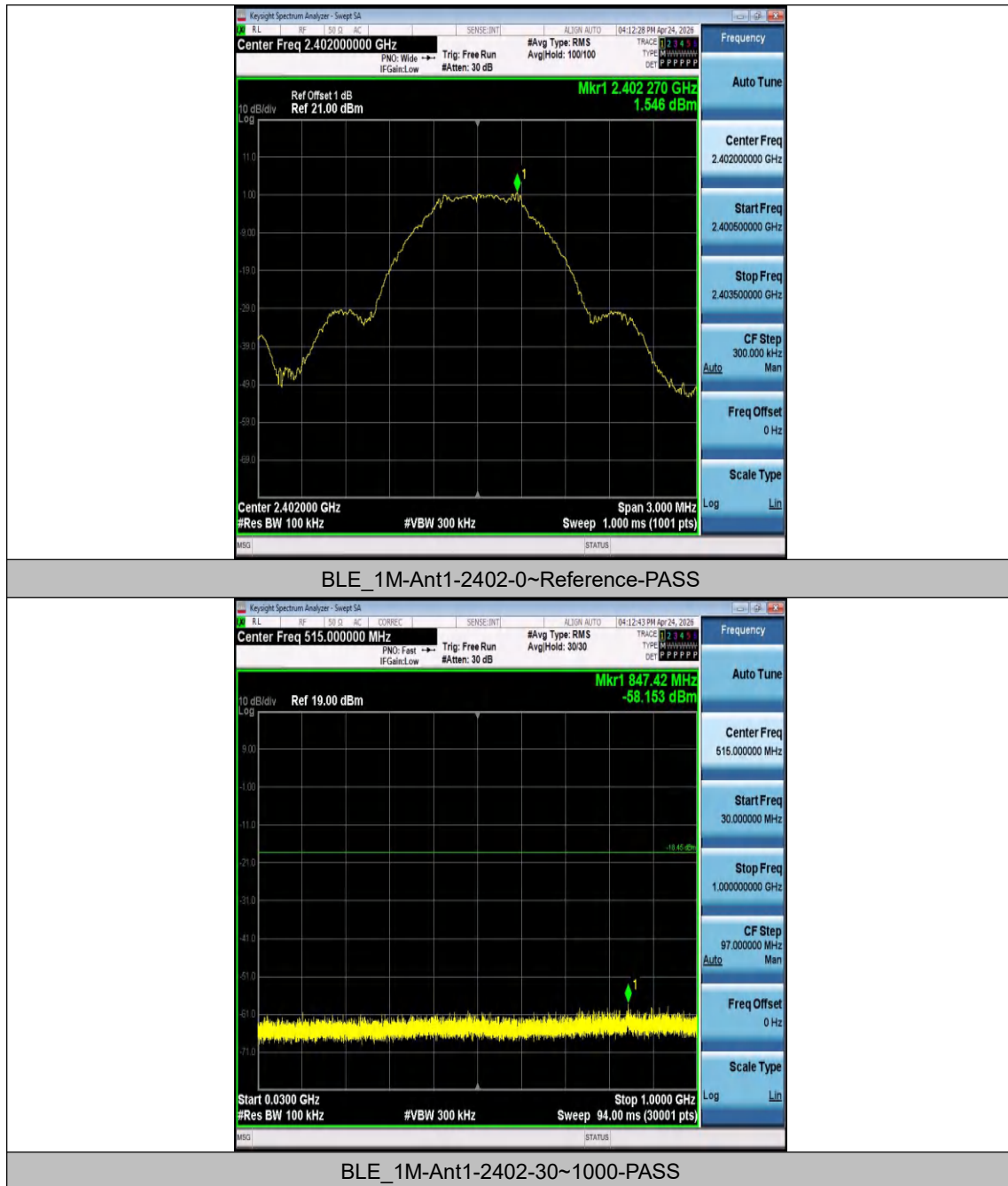
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.55	1.55	---	PASS
BLE_1M	Ant1	2402	30~1000	1.55	-58.15	≤-18.45	PASS
BLE_1M	Ant1	2402	1000~26500	1.55	-46.51	≤-18.45	PASS
BLE_1M	Ant1	2440	0~Reference	2.29	2.29	---	PASS
BLE_1M	Ant1	2440	30~1000	2.29	-58.68	≤-17.71	PASS
BLE_1M	Ant1	2440	1000~26500	2.29	-47.32	≤-17.71	PASS
BLE_1M	Ant1	2480	0~Reference	1.57	1.57	---	PASS
BLE_1M	Ant1	2480	30~1000	1.57	-58.98	≤-18.43	PASS
BLE_1M	Ant1	2480	1000~26500	1.57	-45.73	≤-18.43	PASS
BLE_2M	Ant1	2402	0~Reference	1.61	1.61	---	PASS
BLE_2M	Ant1	2402	30~1000	1.61	-59.38	≤-18.39	PASS
BLE_2M	Ant1	2402	1000~26500	1.61	-30.5	≤-18.39	PASS
BLE_2M	Ant1	2440	0~Reference	1.30	1.30	---	PASS
BLE_2M	Ant1	2440	30~1000	1.30	-58.7	≤-18.7	PASS
BLE_2M	Ant1	2440	1000~26500	1.30	-47.44	≤-18.7	PASS
BLE_2M	Ant1	2480	0~Reference	1.49	1.49	---	PASS
BLE_2M	Ant1	2480	30~1000	1.49	-58.26	≤-18.51	PASS
BLE_2M	Ant1	2480	1000~26500	1.49	-46.33	≤-18.51	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs



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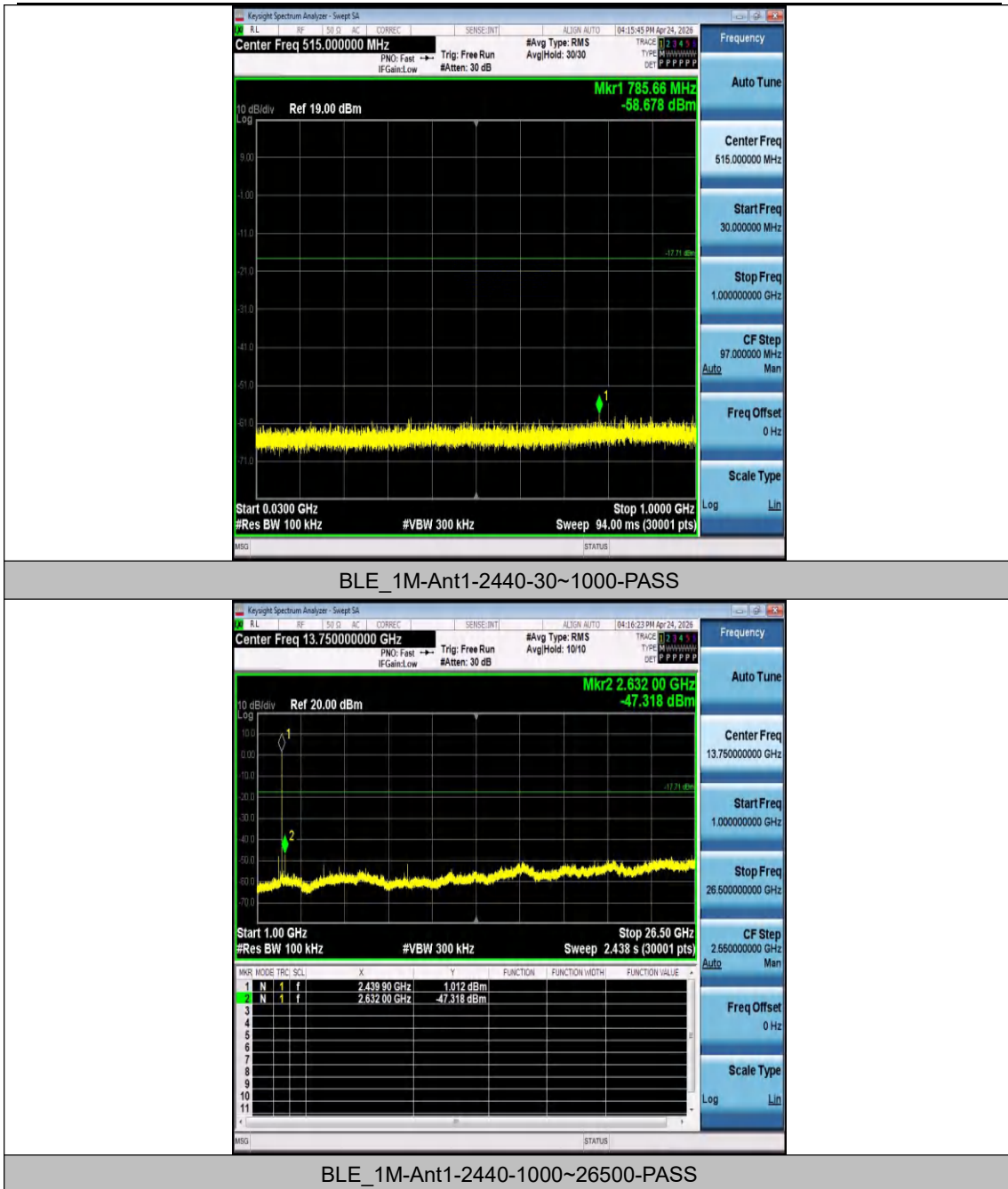
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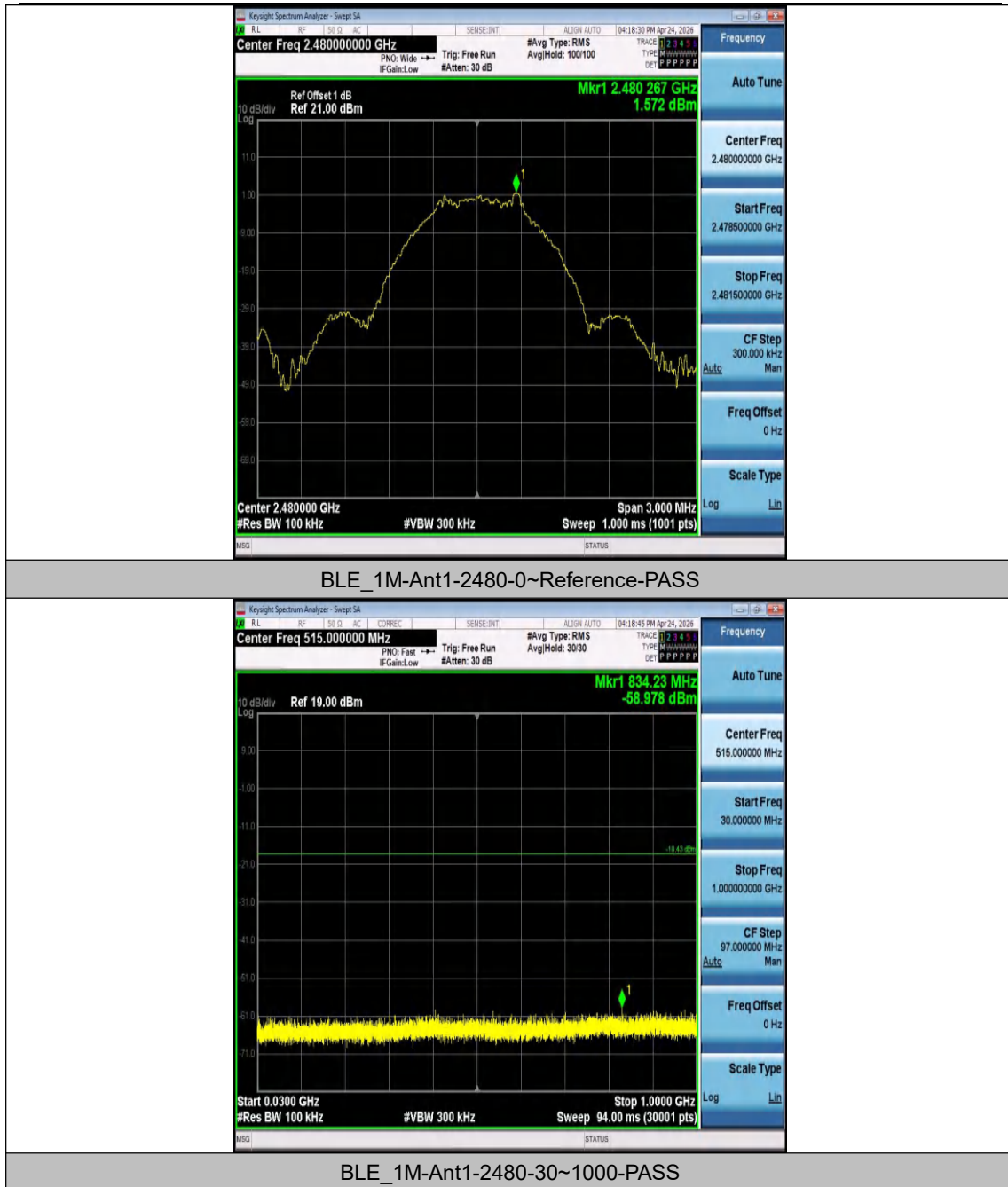
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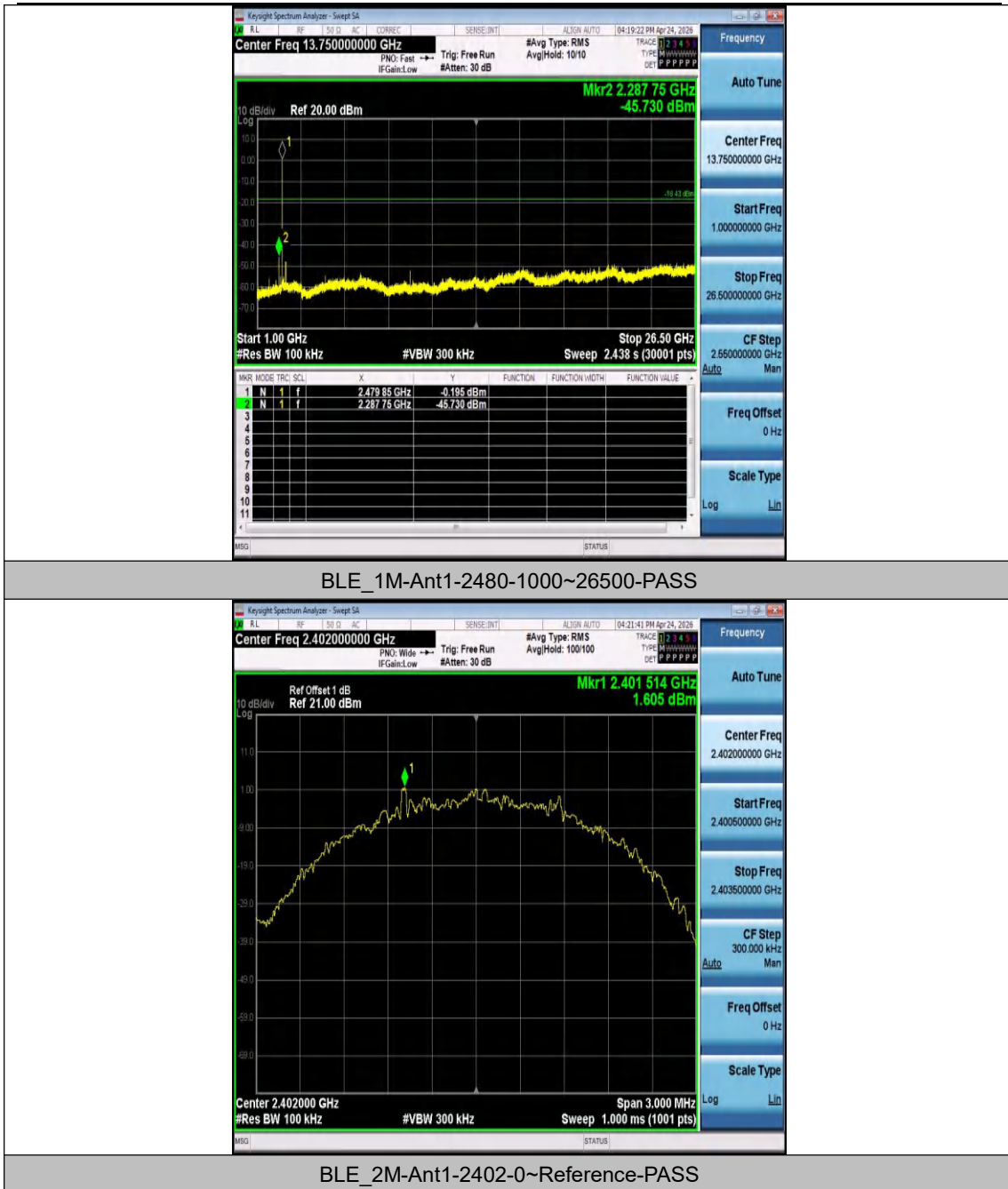
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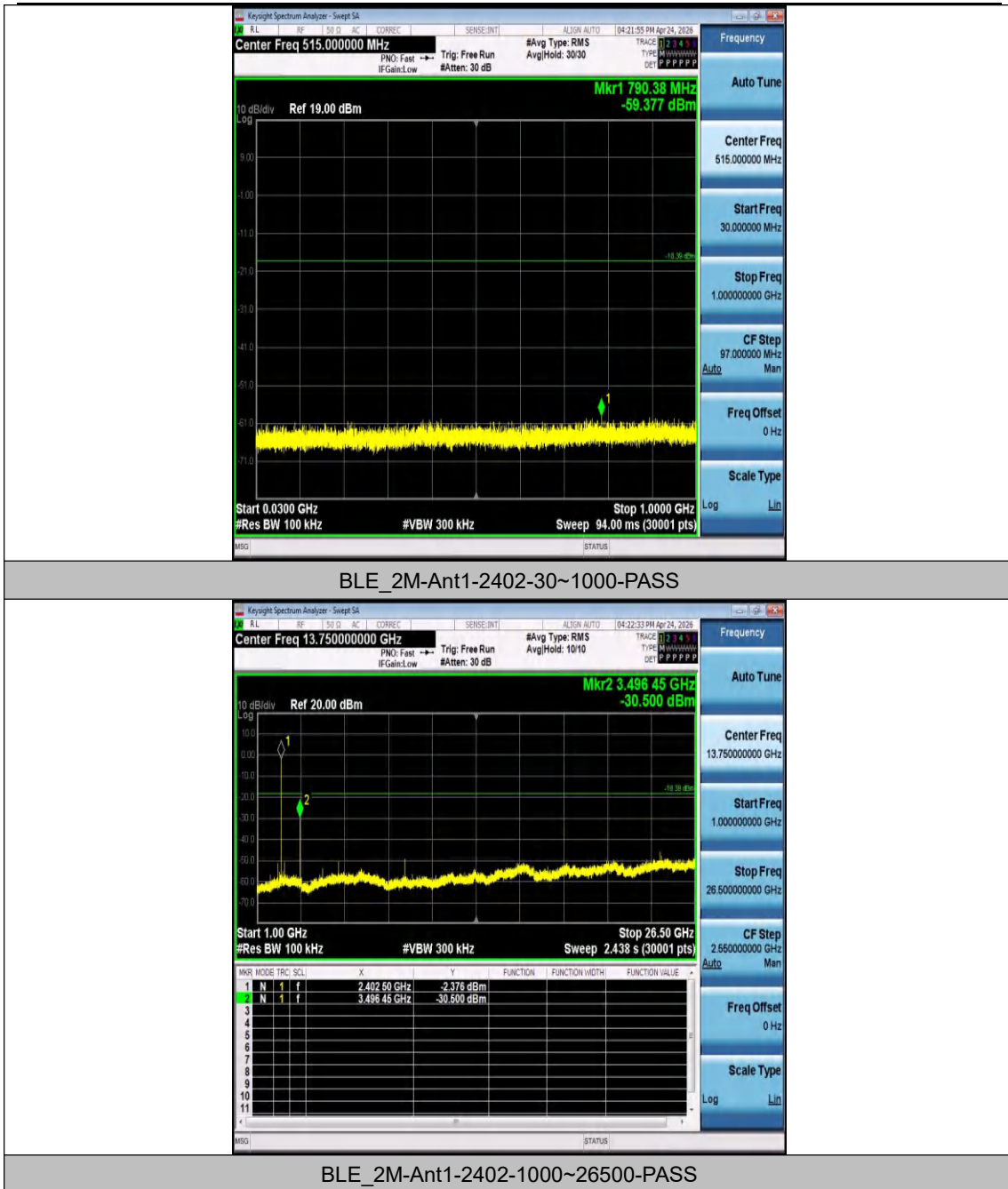
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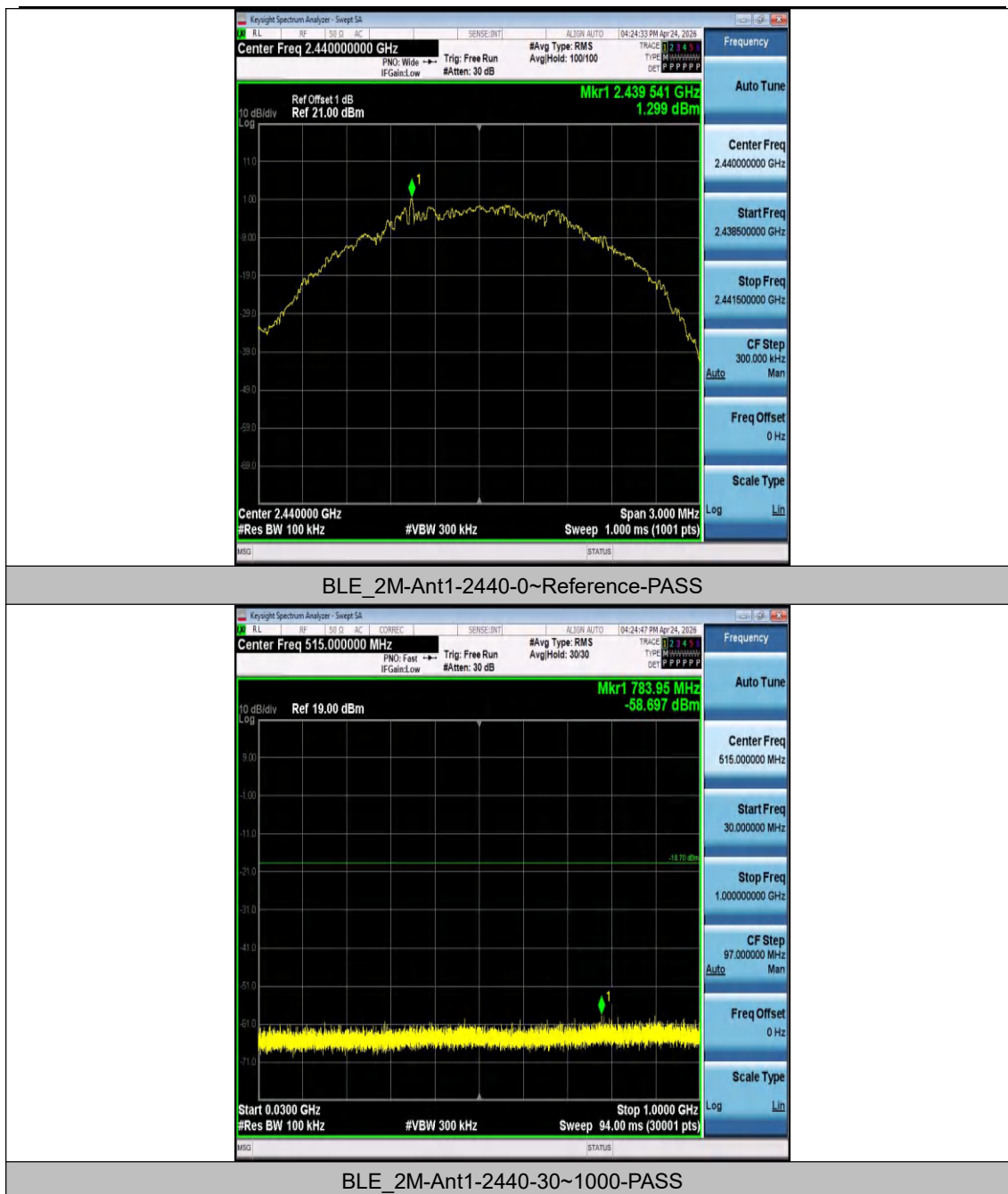
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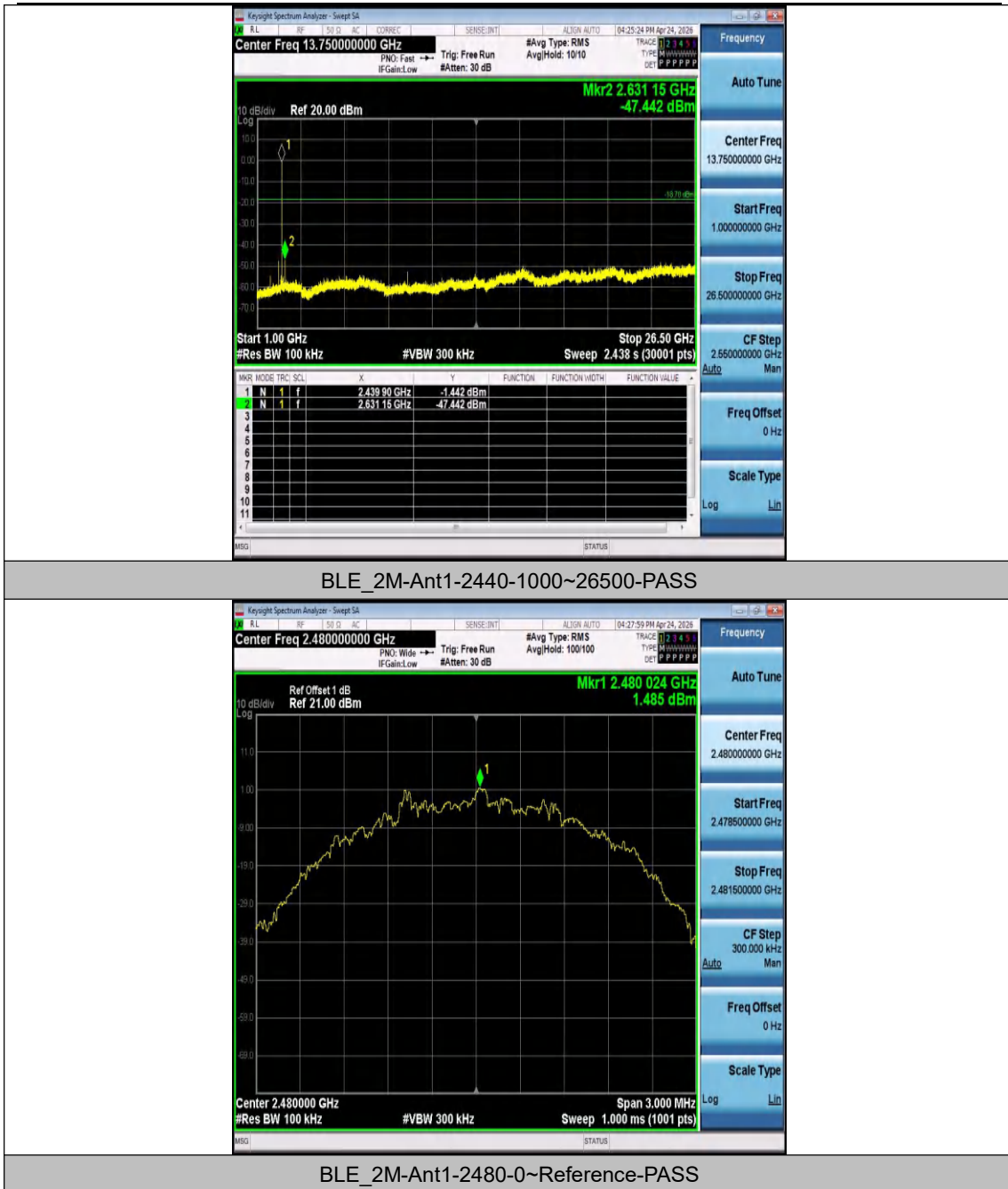
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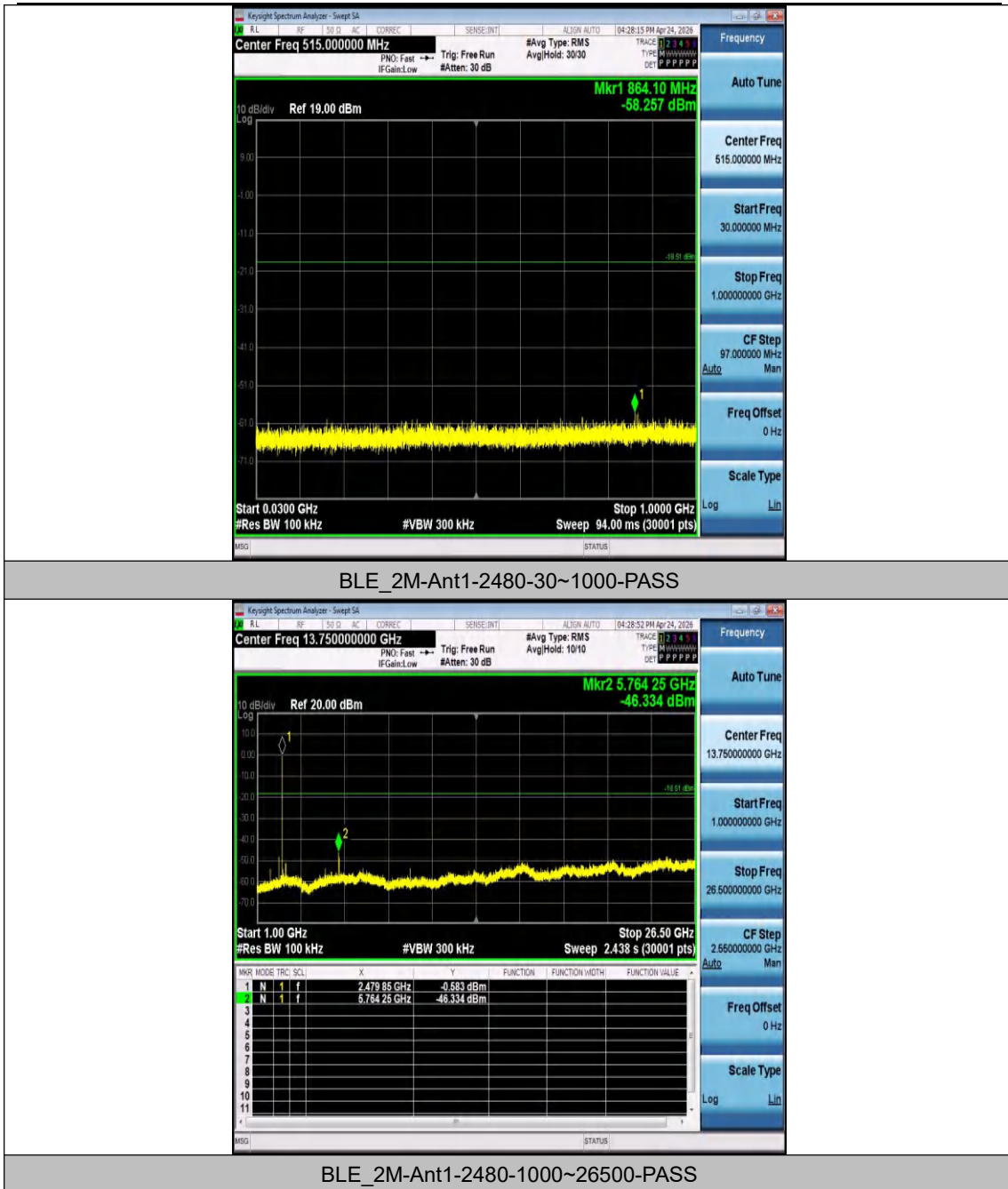
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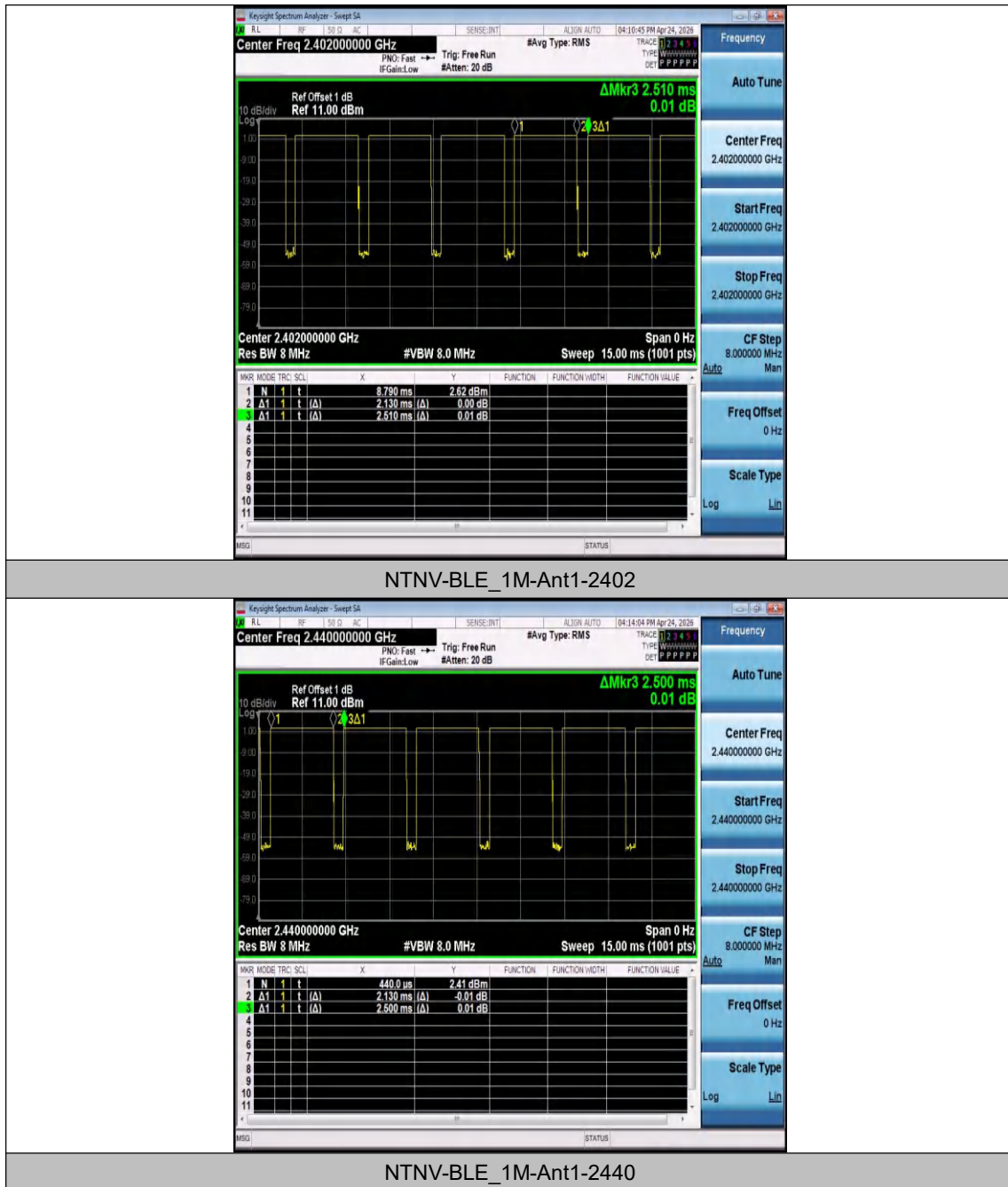
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2440	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2480	1.08	2.51	43.03	3.66

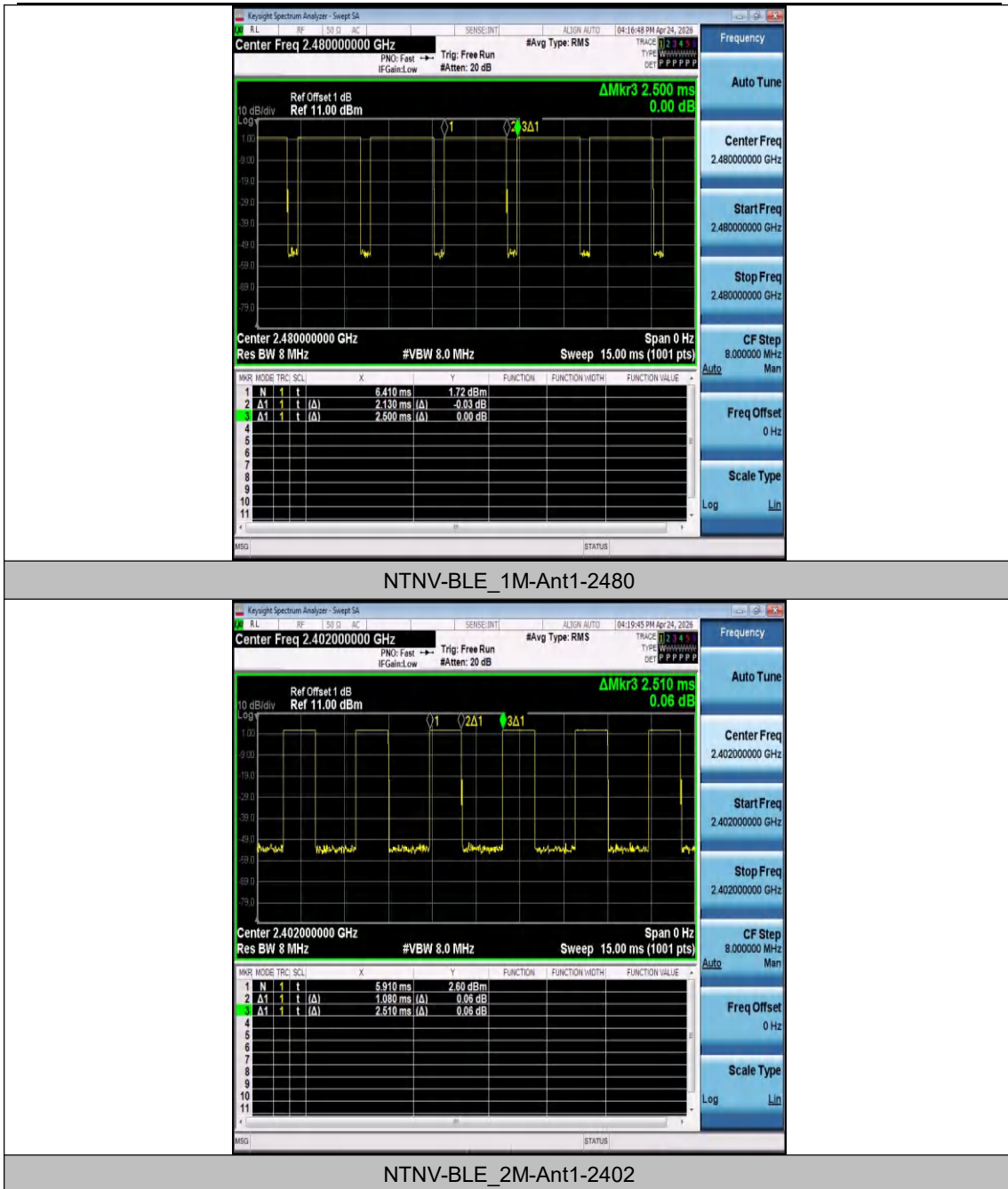
Test Graphs

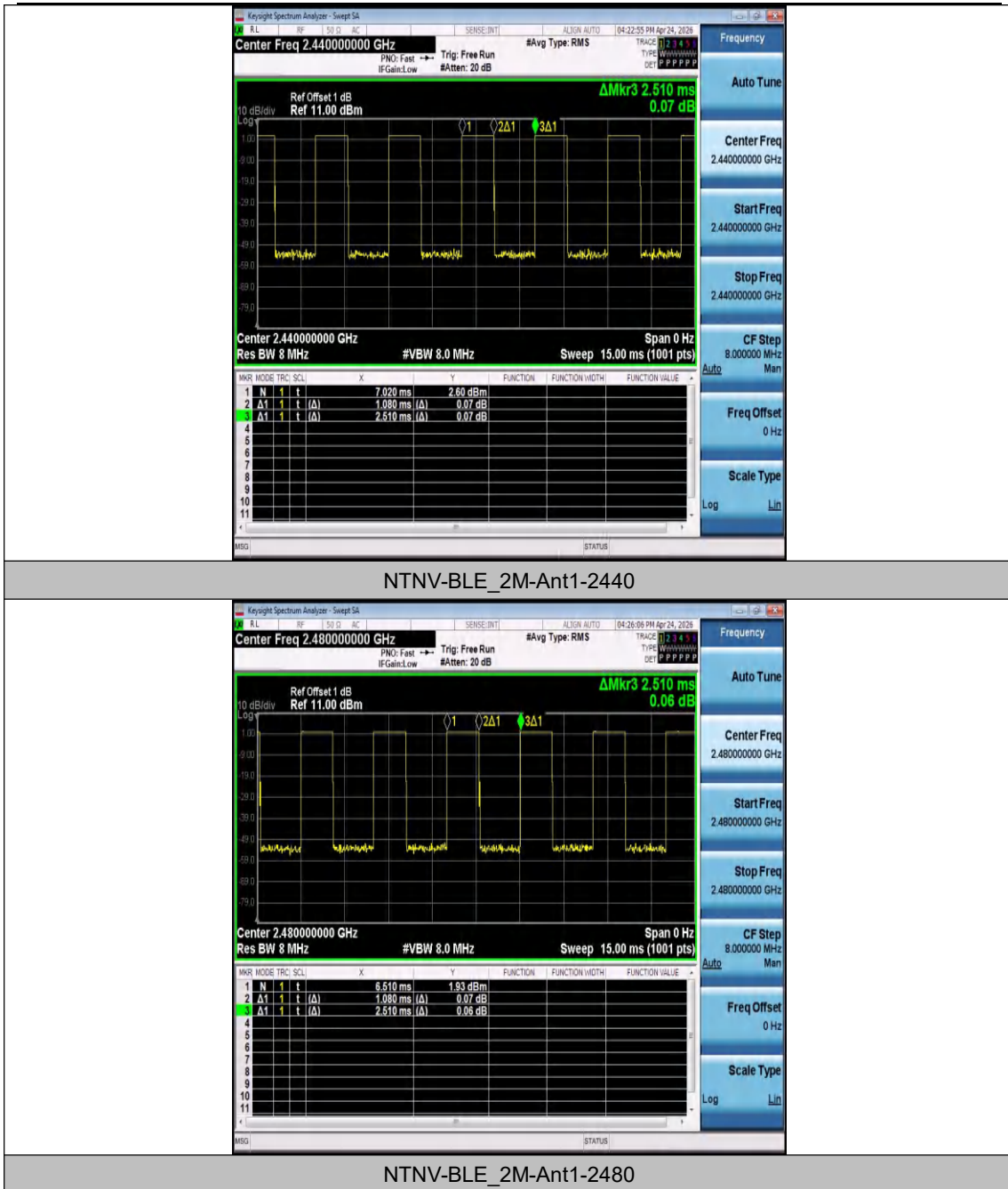


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