

Appendix Test Data

Report No.:	1813C60254712501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-1	Finish Test Date:	2026-8-25
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24°C	Relative Humidity:	66%
Pressure:	99.6kPa		



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	0.680	2401.656	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.636	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.684	2479.604	2480.288	0.5	PASS
BLE_2M	Ant1	2402	1.108	2401.448	2402.556	0.5	PASS
BLE_2M	Ant1	2440	1.172	2439.372	2440.544	0.5	PASS
BLE_2M	Ant1	2480	1.136	2479.364	2480.500	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	1.0241	2401.4877	2402.5118	---	---
BLE_1M	Ant1	2440	1.0220	2439.4713	2440.4933	---	---
BLE_1M	Ant1	2480	1.0299	2479.4344	2480.4643	---	---
BLE_2M	Ant1	2402	2.0268	2400.9930	2403.0198	---	---
BLE_2M	Ant1	2440	2.0145	2438.9653	2440.9798	---	---
BLE_2M	Ant1	2480	2.0331	2478.9340	2480.9671	---	---

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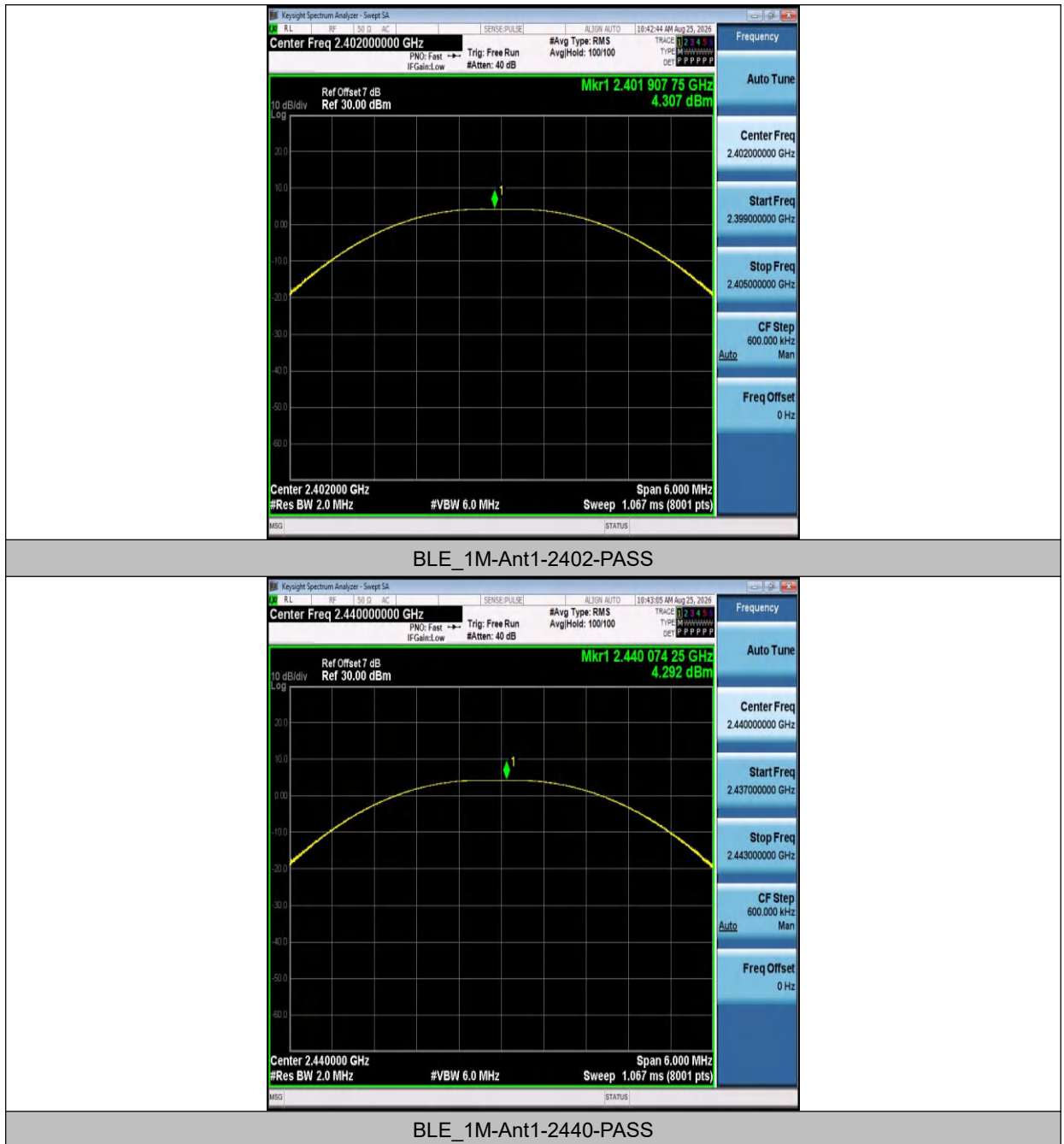
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.31	≤30	PASS
BLE_1M	Ant1	2440	4.29	≤30	PASS
BLE_1M	Ant1	2480	4.31	≤30	PASS
BLE_2M	Ant1	2402	4.34	≤30	PASS
BLE_2M	Ant1	2440	4.30	≤30	PASS
BLE_2M	Ant1	2480	4.28	≤30	PASS

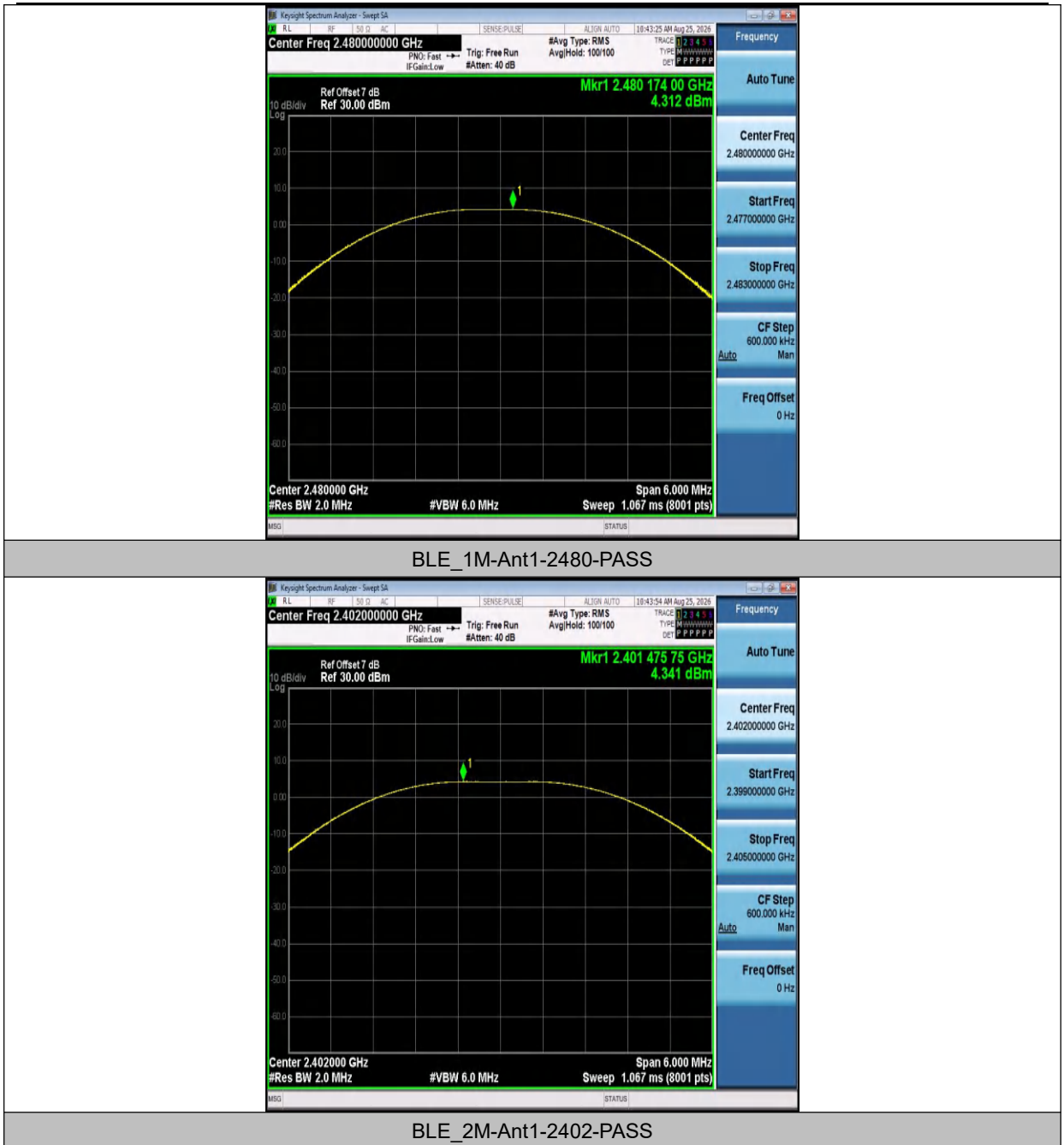
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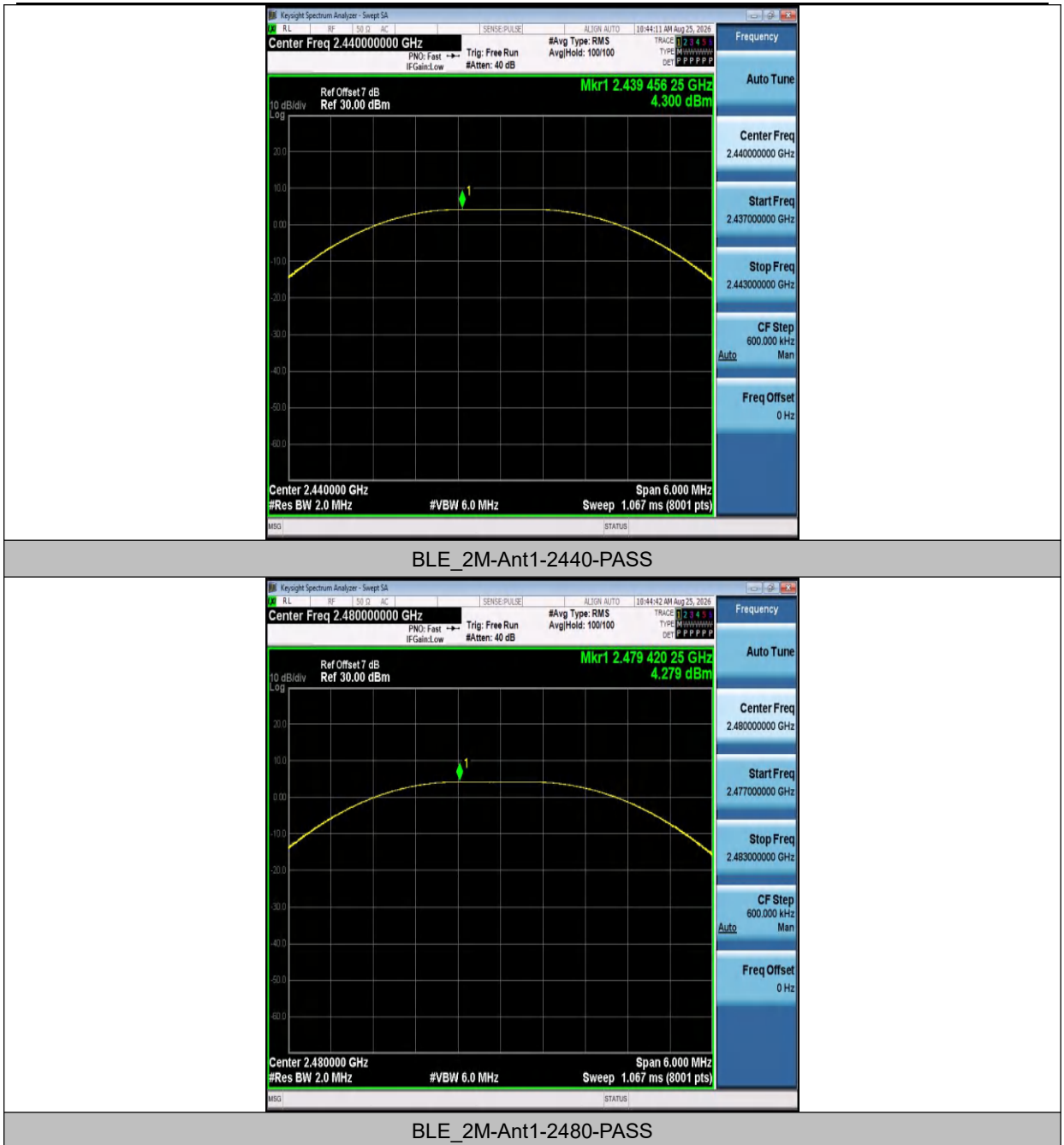
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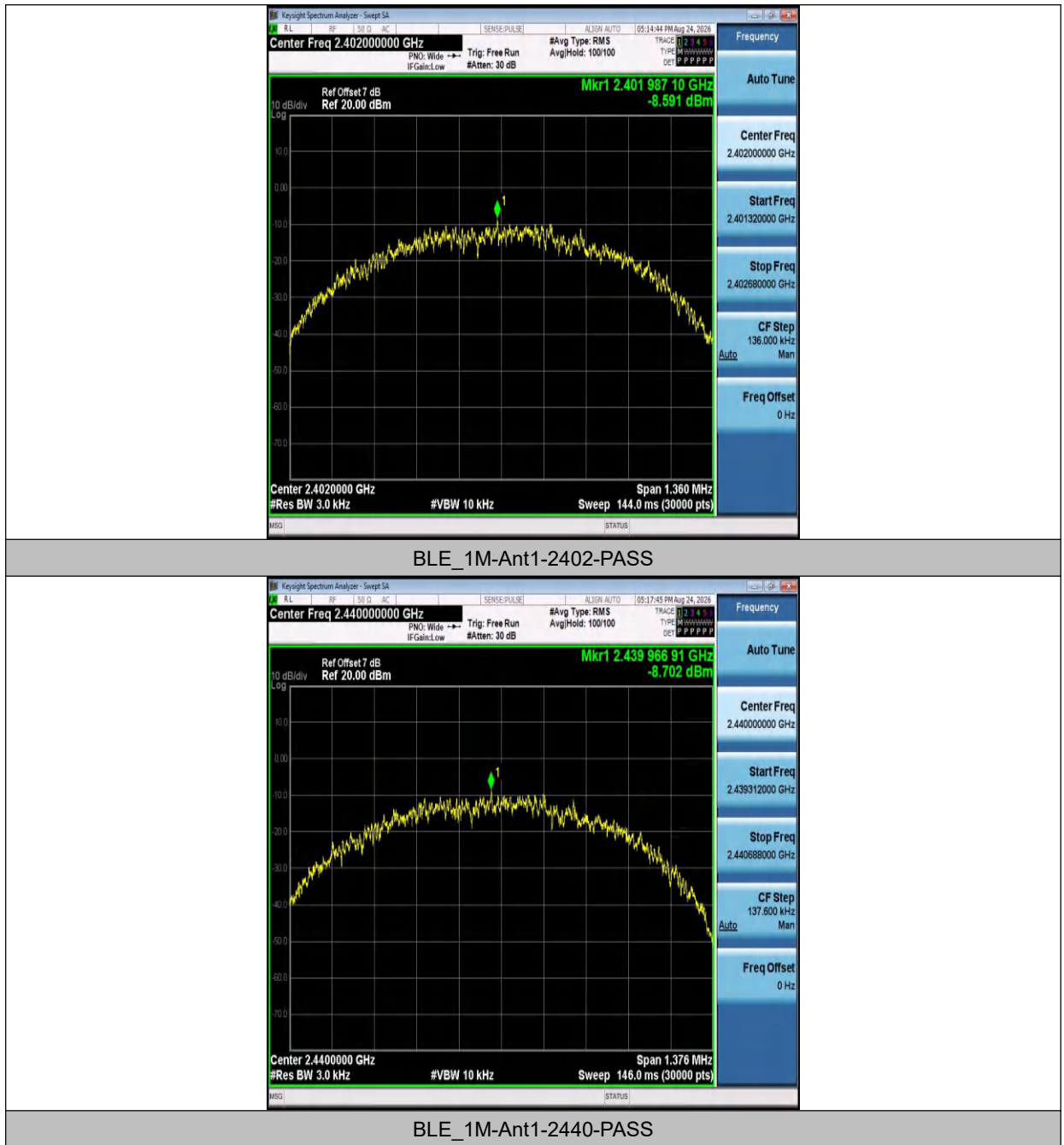
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.59	≤8.00	PASS
BLE_1M	Ant1	2440	-8.70	≤8.00	PASS
BLE_1M	Ant1	2480	-9.12	≤8.00	PASS
BLE_2M	Ant1	2402	-11.33	≤8.00	PASS
BLE_2M	Ant1	2440	-11.63	≤8.00	PASS
BLE_2M	Ant1	2480	-11.19	≤8.00	PASS

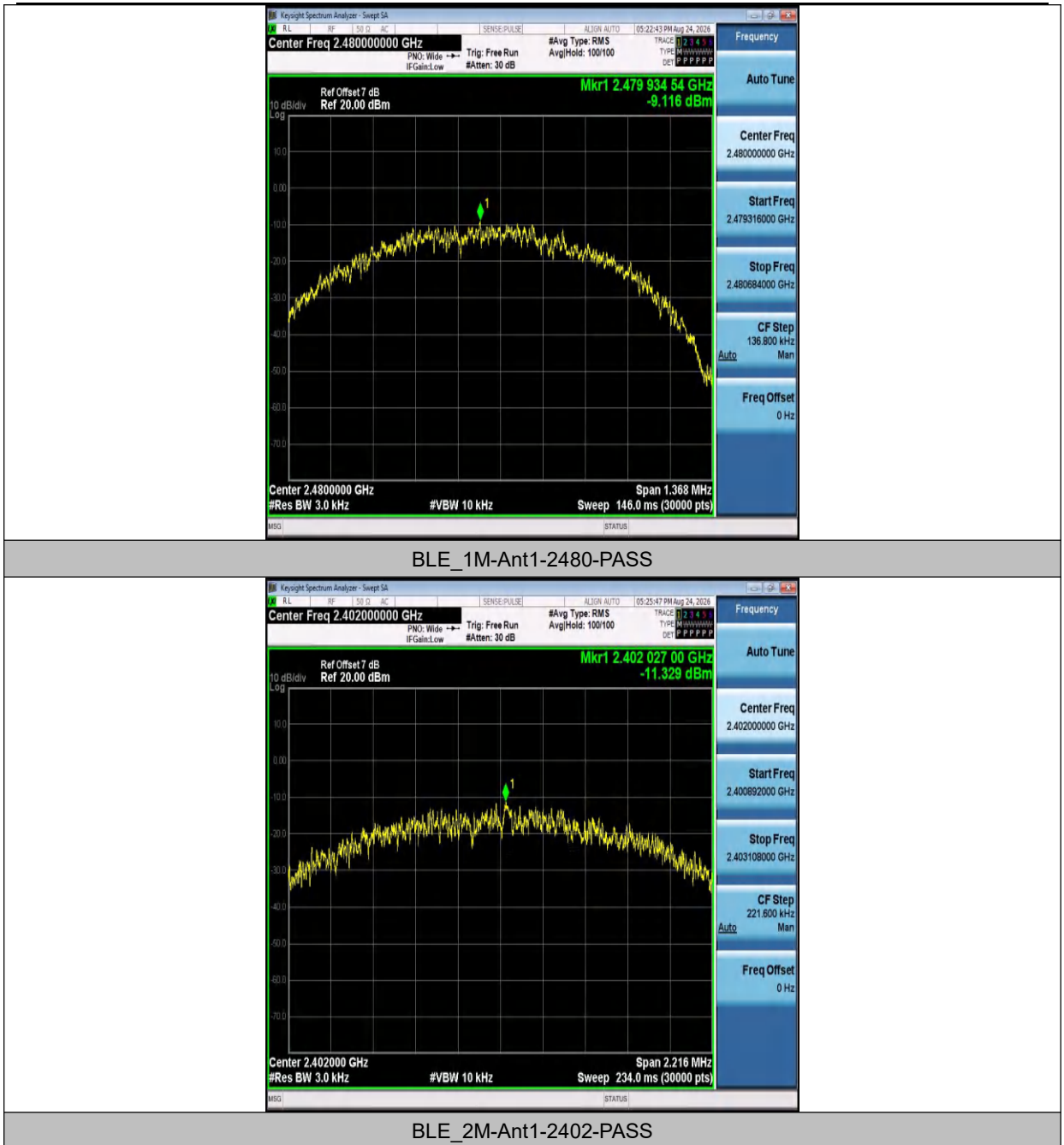
Test Graphs



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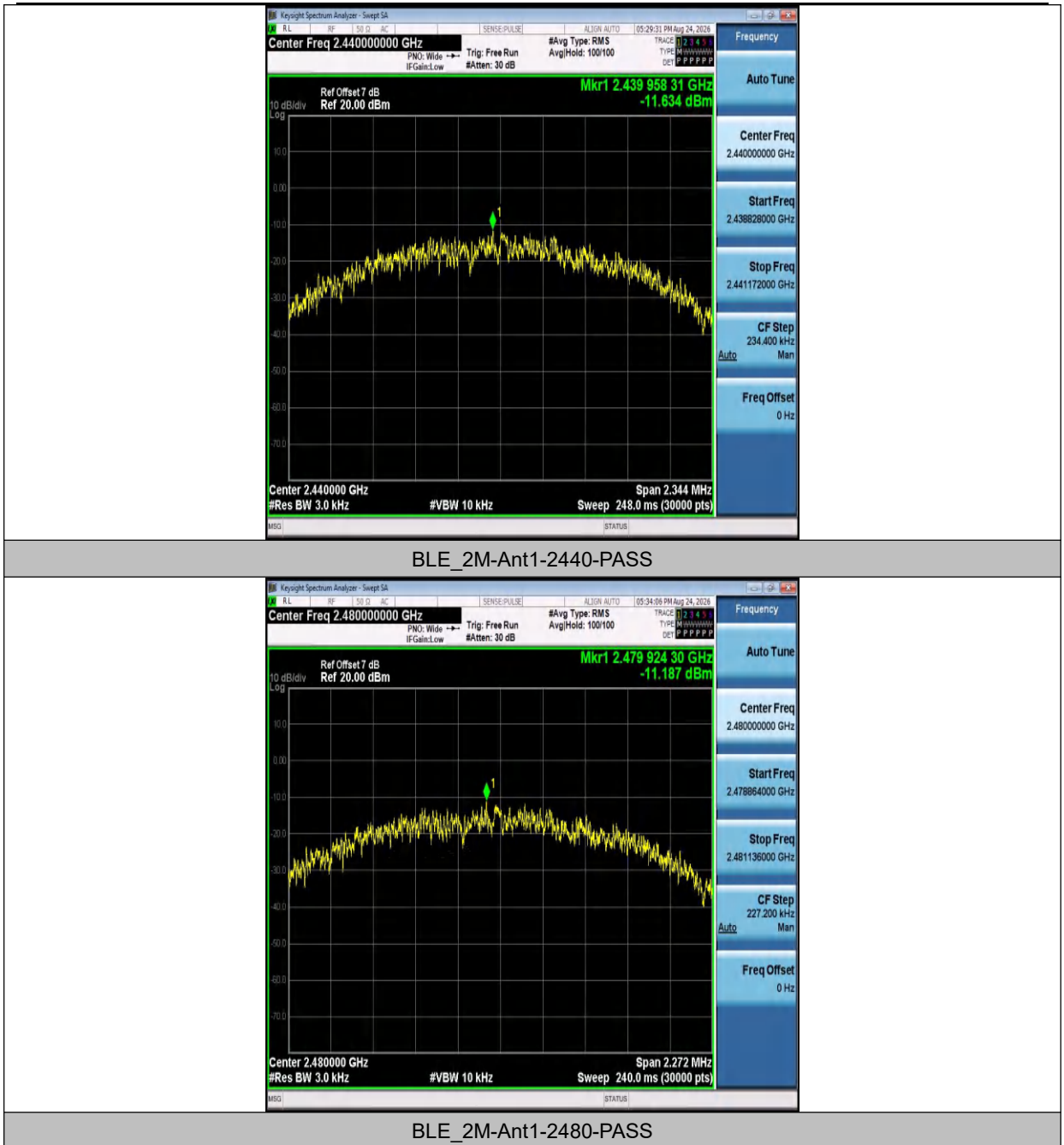
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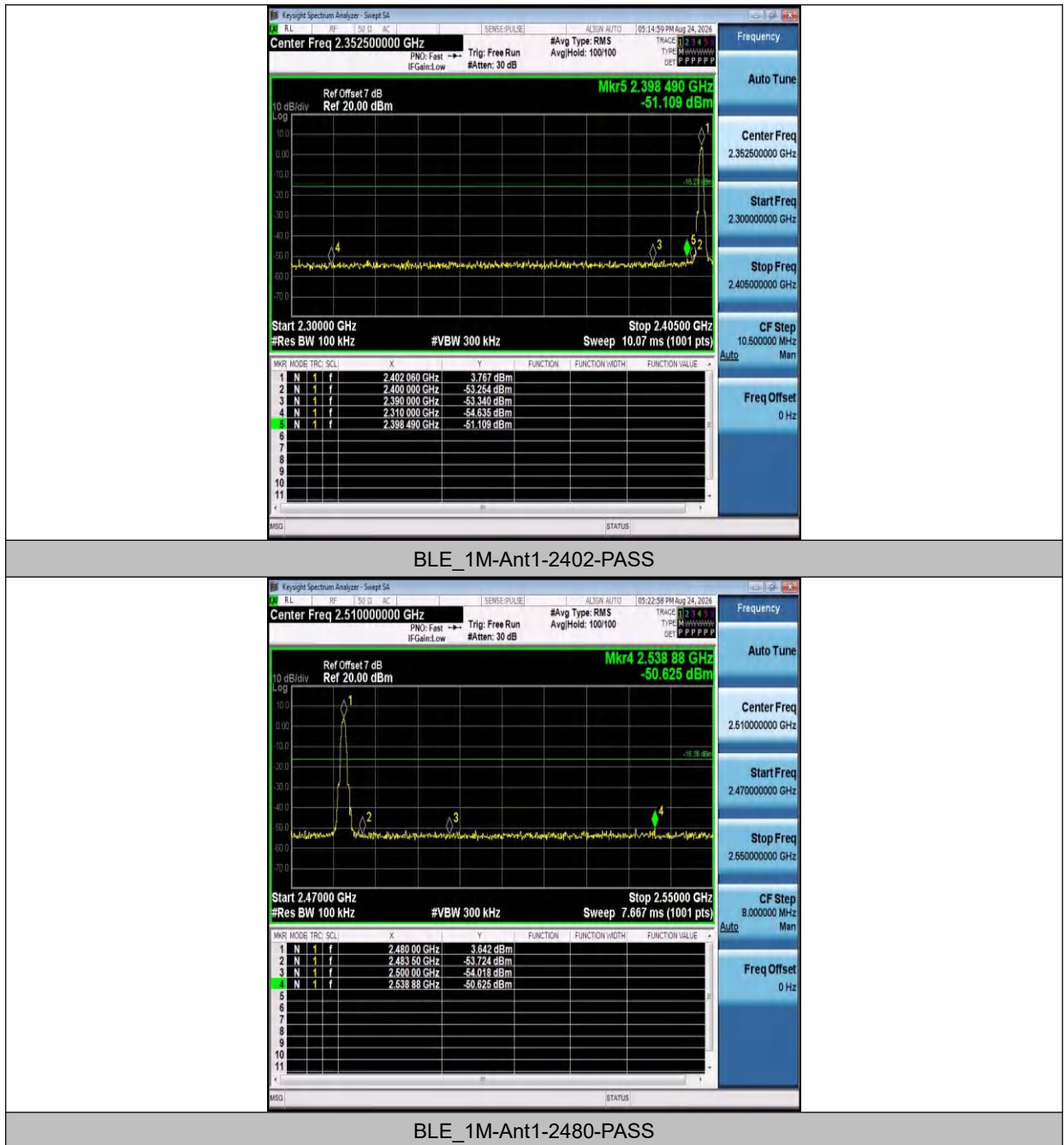
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.77	-51.11	≤-16.23	PASS
BLE_1M	Ant1	High	2480	3.64	-50.63	≤-16.36	PASS
BLE_2M	Ant1	Low	2402	3.72	-28.75	≤-16.28	PASS
BLE_2M	Ant1	High	2480	3.44	-50.18	≤-16.56	PASS

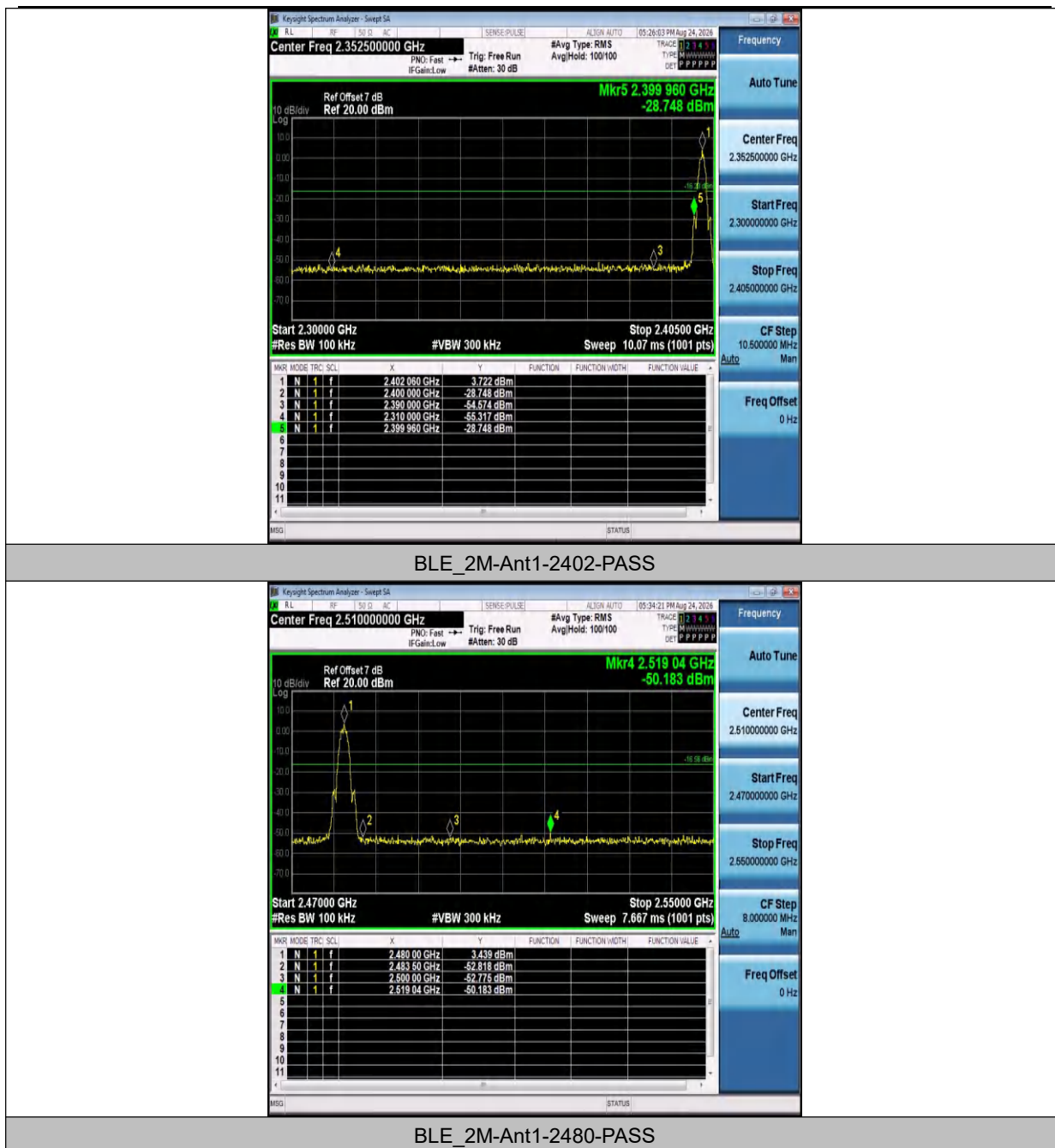
Test Graphs



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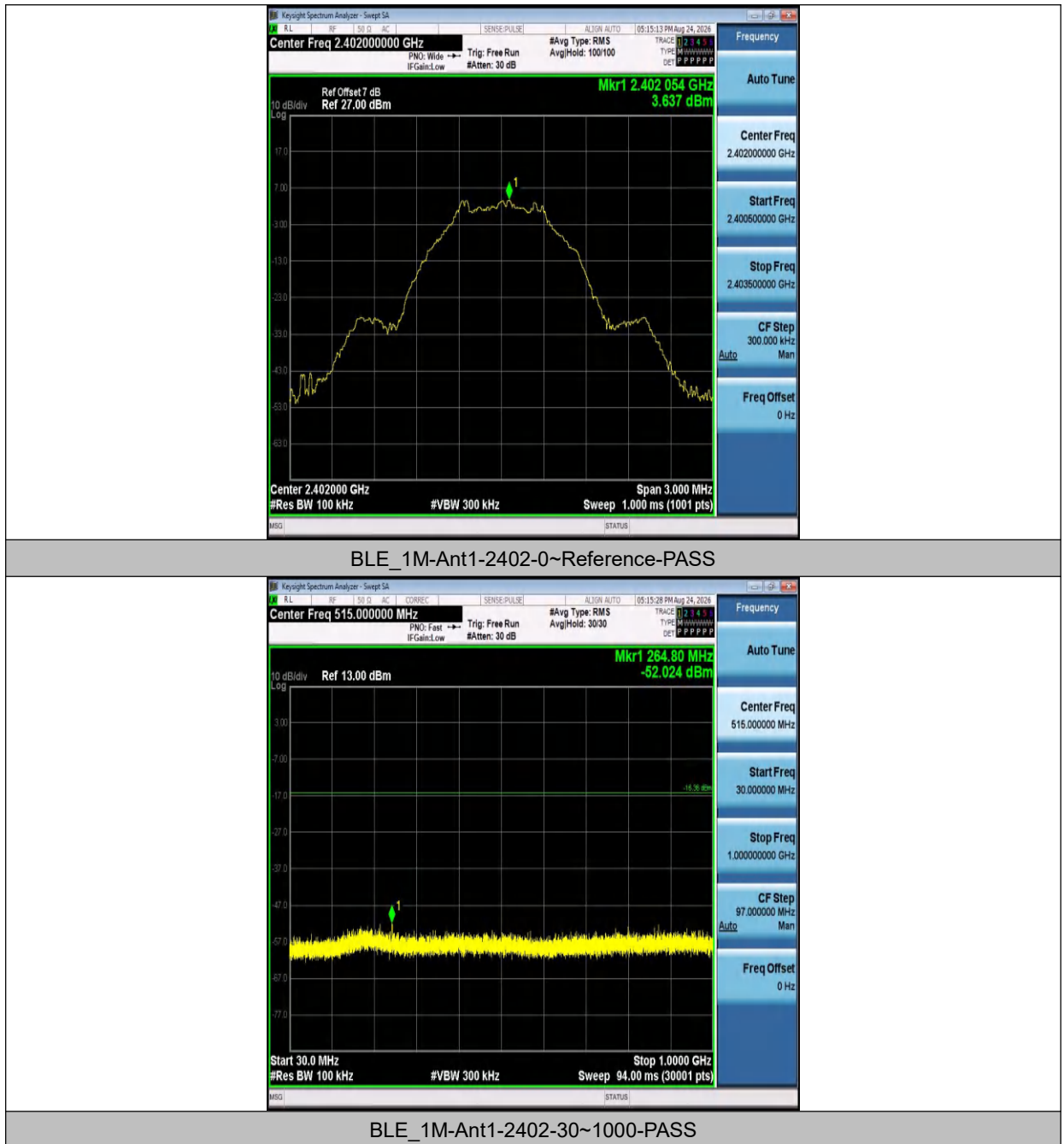
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.64	3.64	---	PASS
BLE_1M	Ant1	2402	30~1000	3.64	-52.02	≤-16.36	PASS
BLE_1M	Ant1	2402	1000~26500	3.64	-36.94	≤-16.36	PASS
BLE_1M	Ant1	2440	0~Reference	3.29	3.29	---	PASS
BLE_1M	Ant1	2440	30~1000	3.29	-52.55	≤-16.71	PASS
BLE_1M	Ant1	2440	1000~26500	3.29	-37.37	≤-16.71	PASS
BLE_1M	Ant1	2480	0~Reference	3.67	3.67	---	PASS
BLE_1M	Ant1	2480	30~1000	3.67	-52.46	≤-16.33	PASS
BLE_1M	Ant1	2480	1000~26500	3.67	-35.17	≤-16.33	PASS
BLE_2M	Ant1	2402	0~Reference	3.66	3.66	---	PASS
BLE_2M	Ant1	2402	30~1000	3.66	-51.79	≤-16.34	PASS
BLE_2M	Ant1	2402	1000~26500	3.66	-37.12	≤-16.34	PASS
BLE_2M	Ant1	2440	0~Reference	3.66	3.66	---	PASS
BLE_2M	Ant1	2440	30~1000	3.66	-51.94	≤-16.34	PASS
BLE_2M	Ant1	2440	1000~26500	3.66	-37.02	≤-16.34	PASS
BLE_2M	Ant1	2480	0~Reference	3.62	3.62	---	PASS
BLE_2M	Ant1	2480	30~1000	3.62	-51.51	≤-16.38	PASS
BLE_2M	Ant1	2480	1000~26500	3.62	-37	≤-16.38	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.

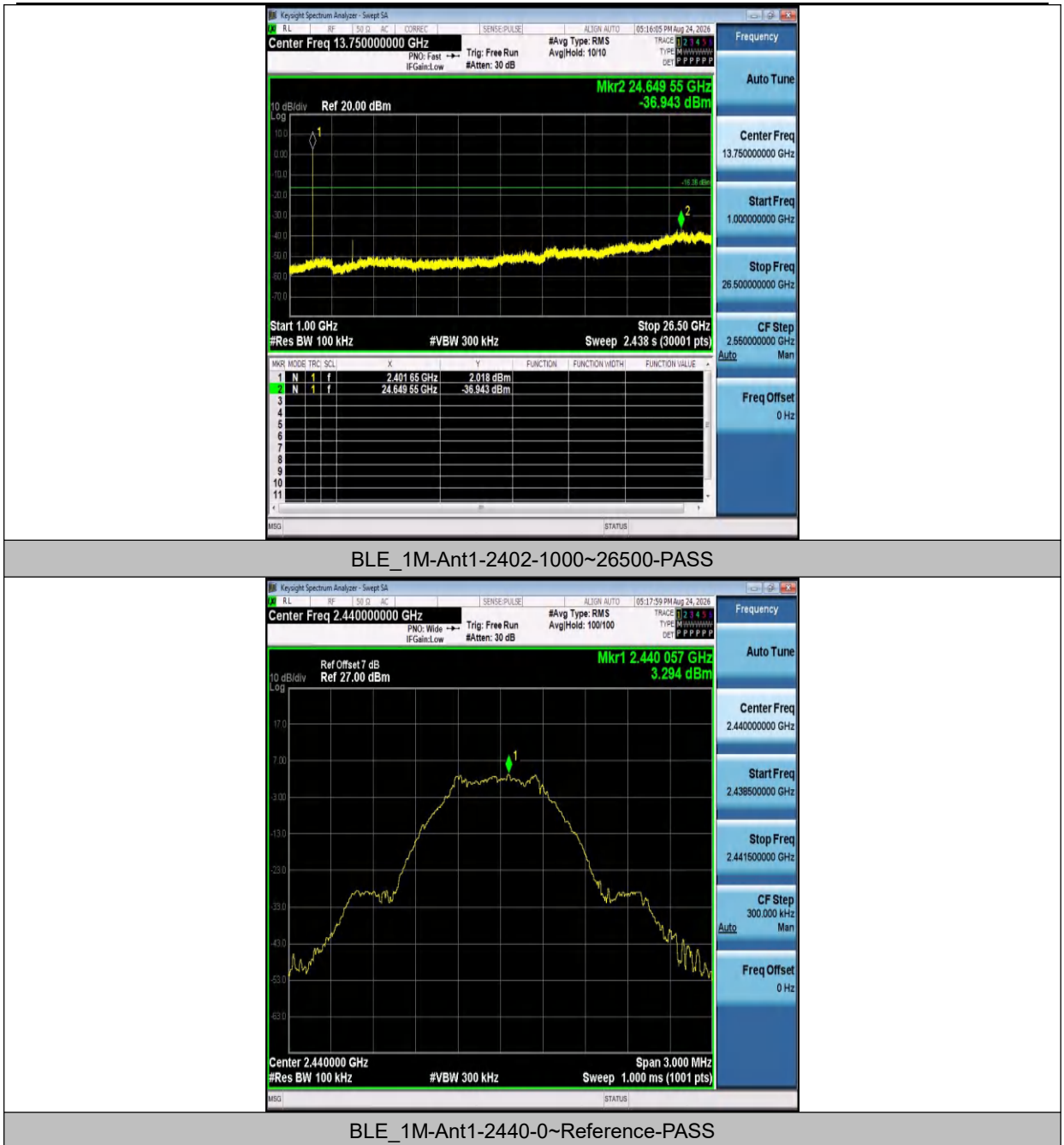
Test Graphs



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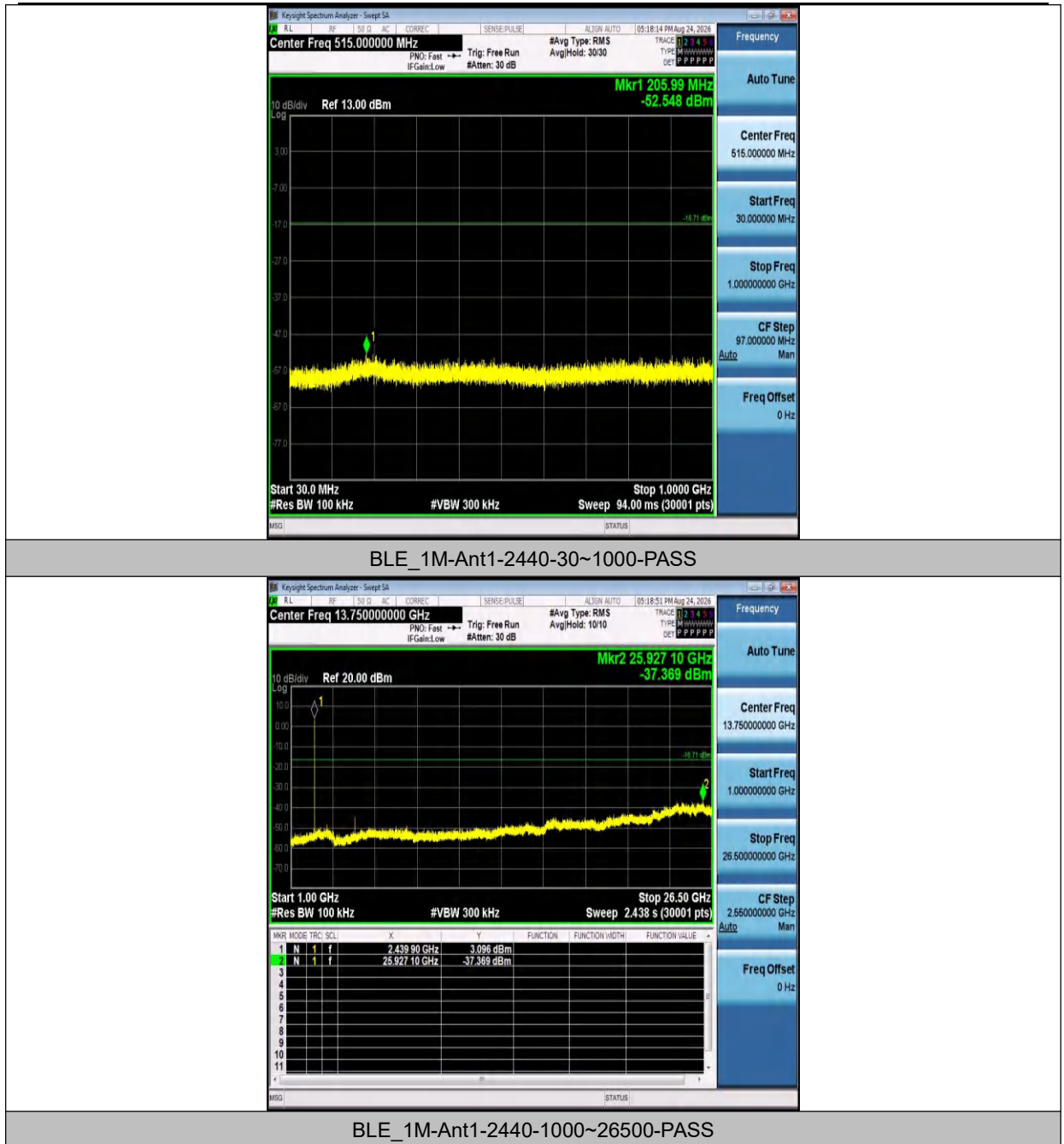
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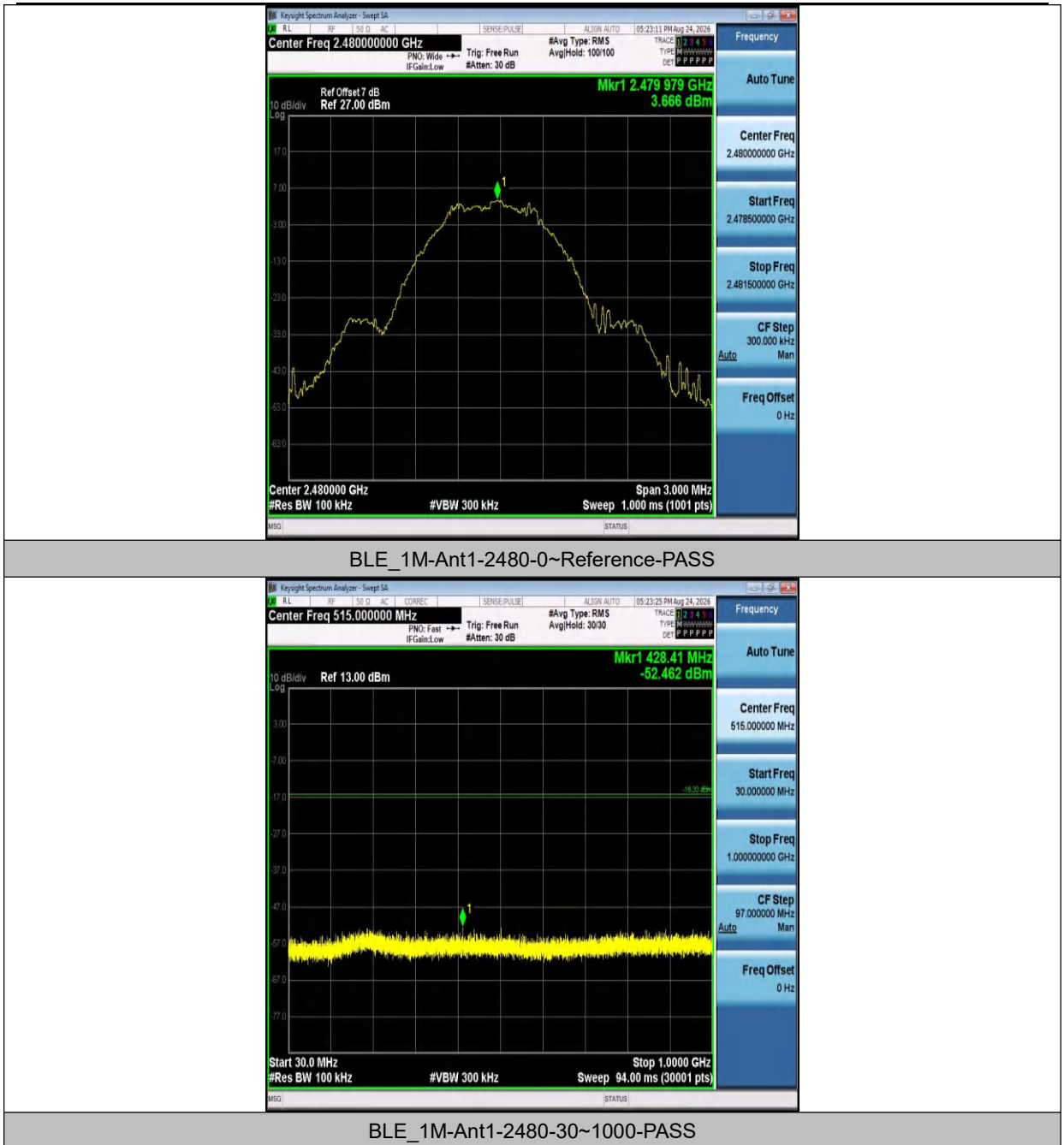
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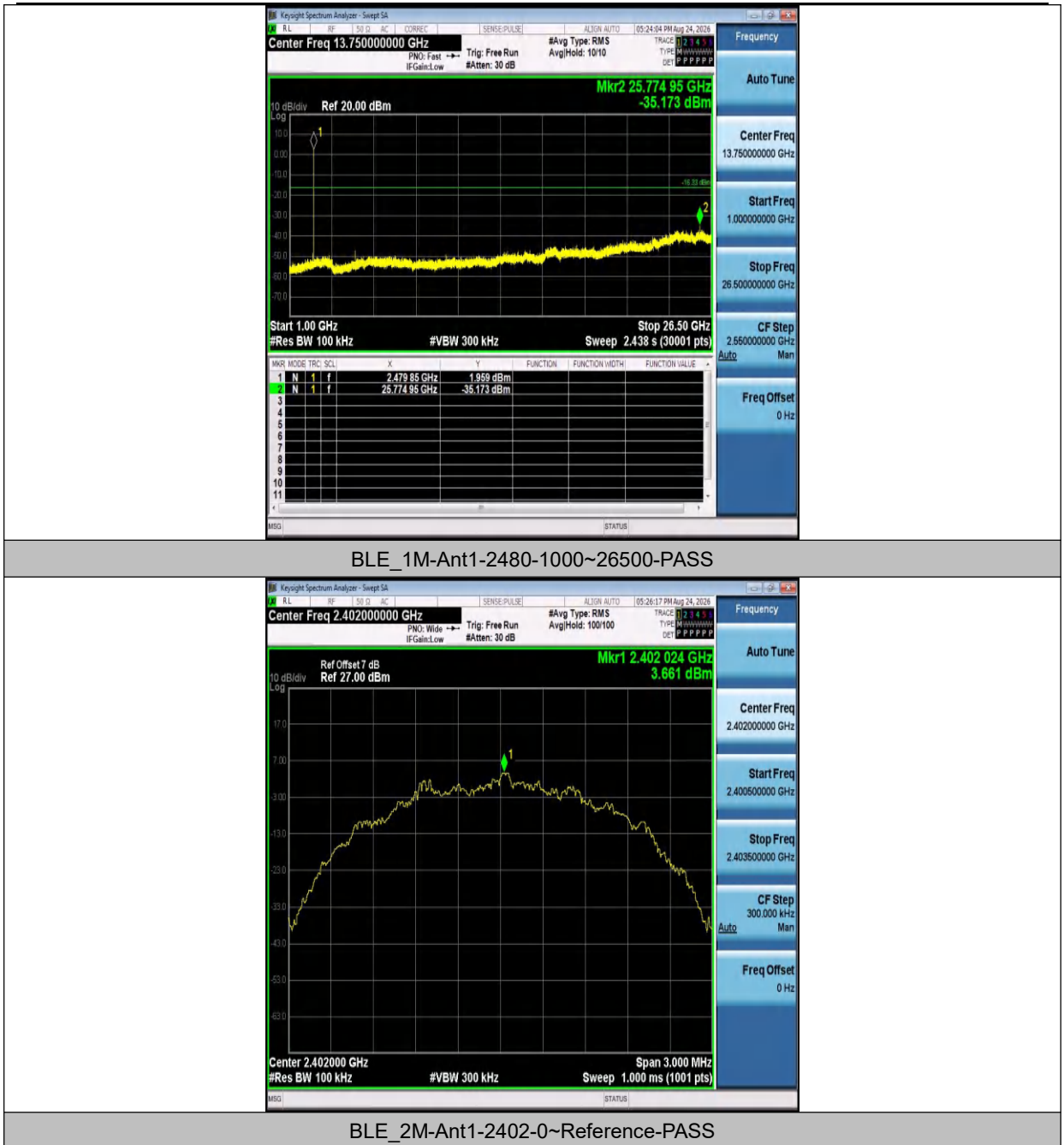
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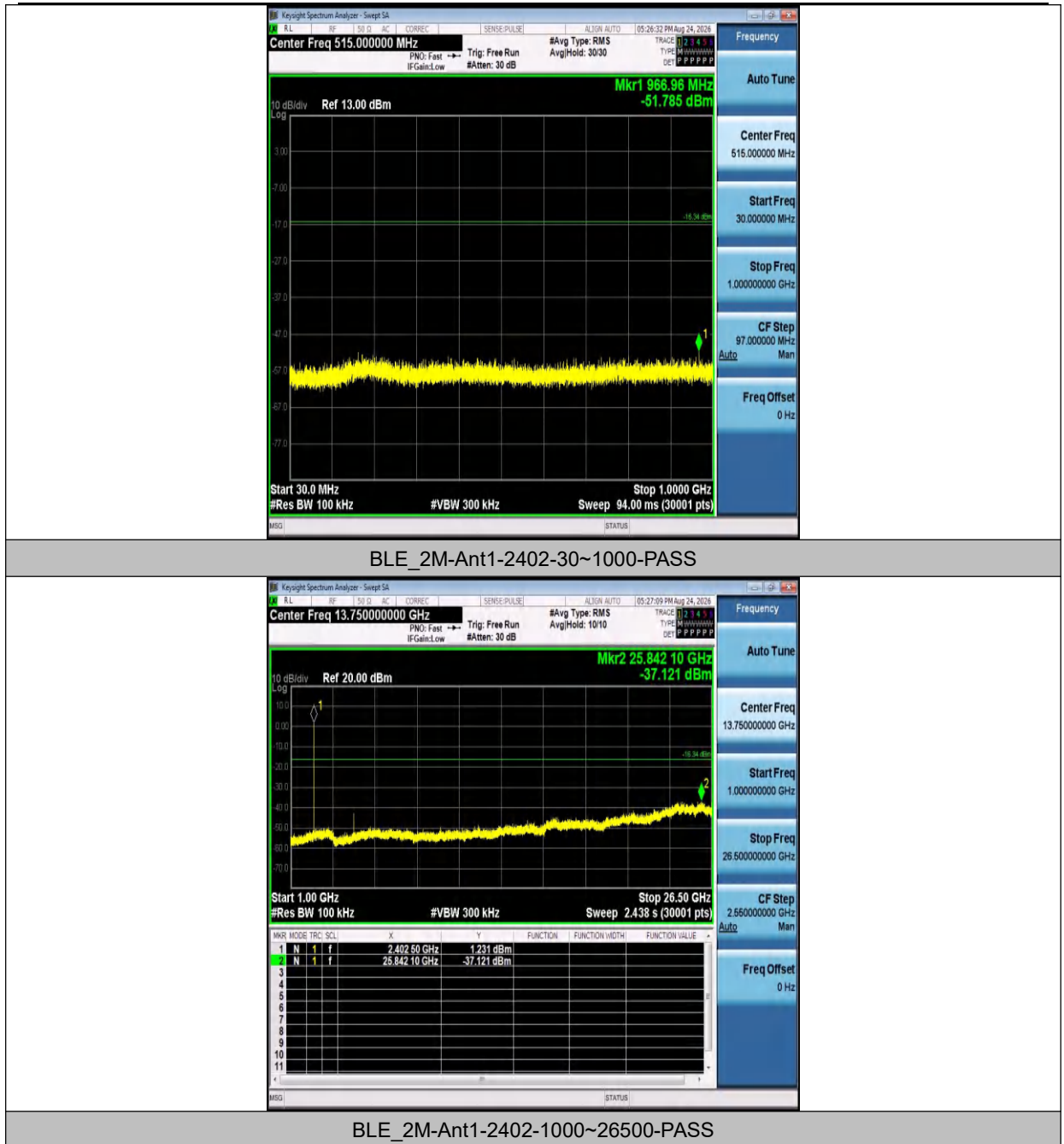
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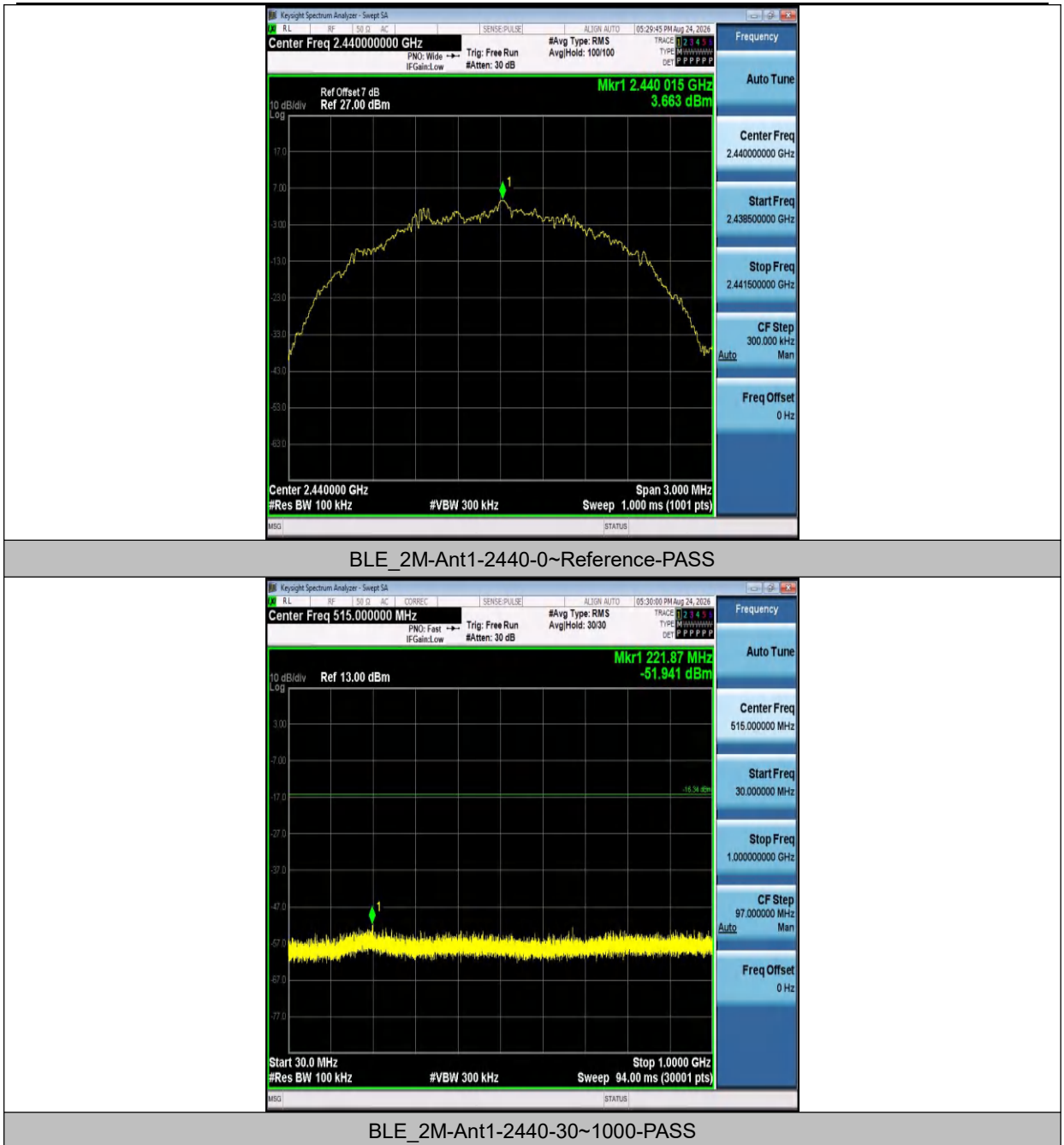
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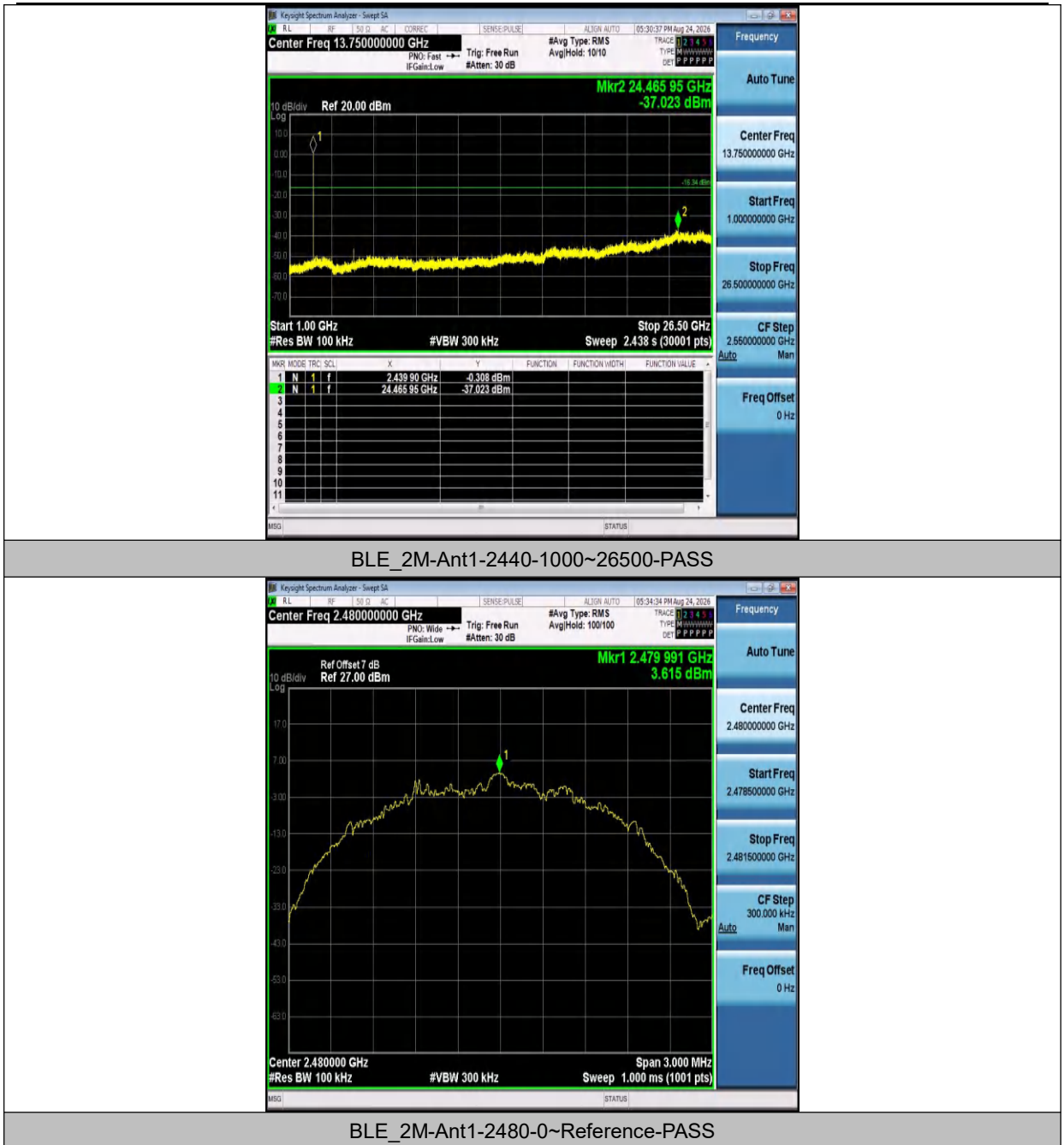
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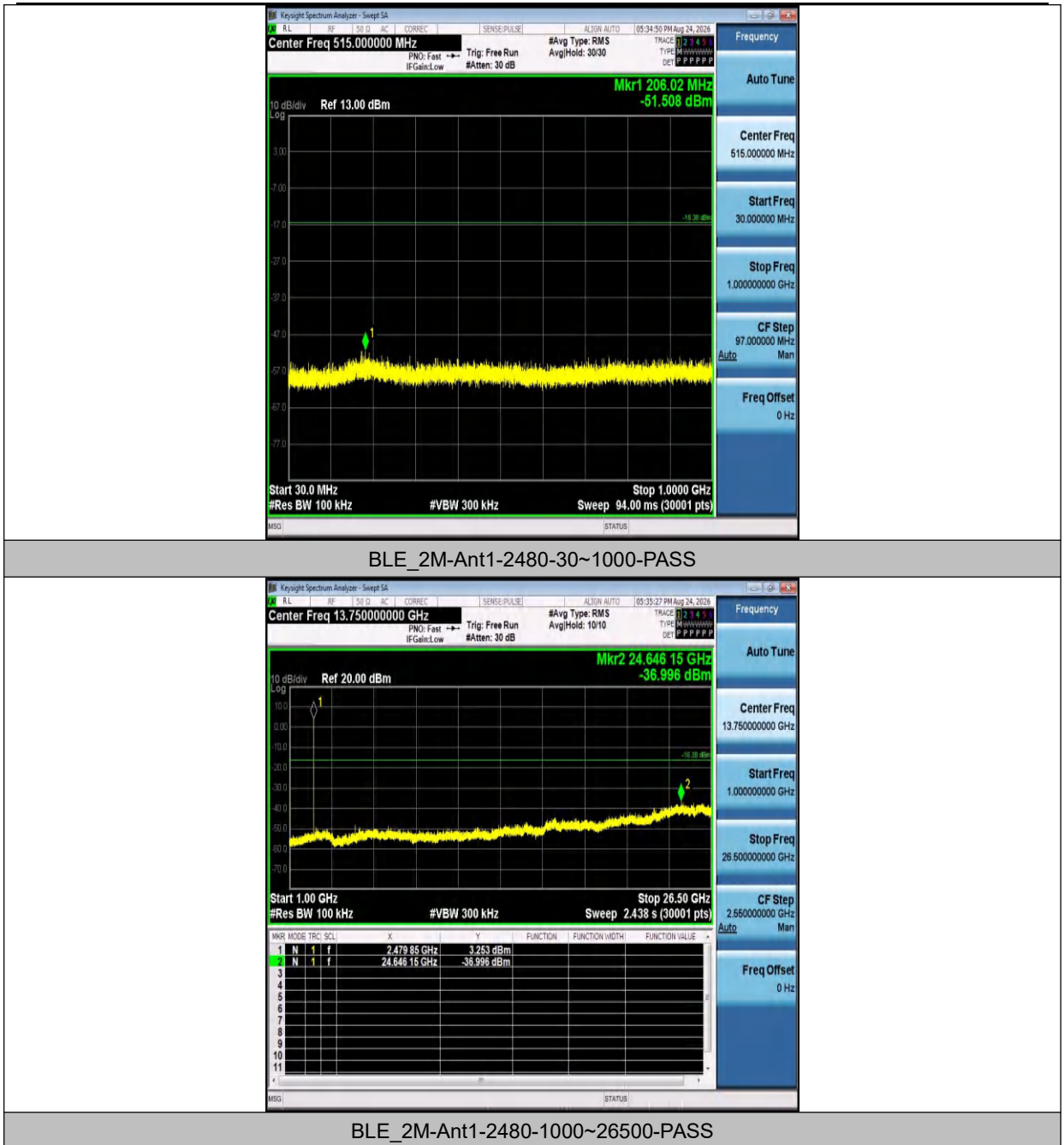
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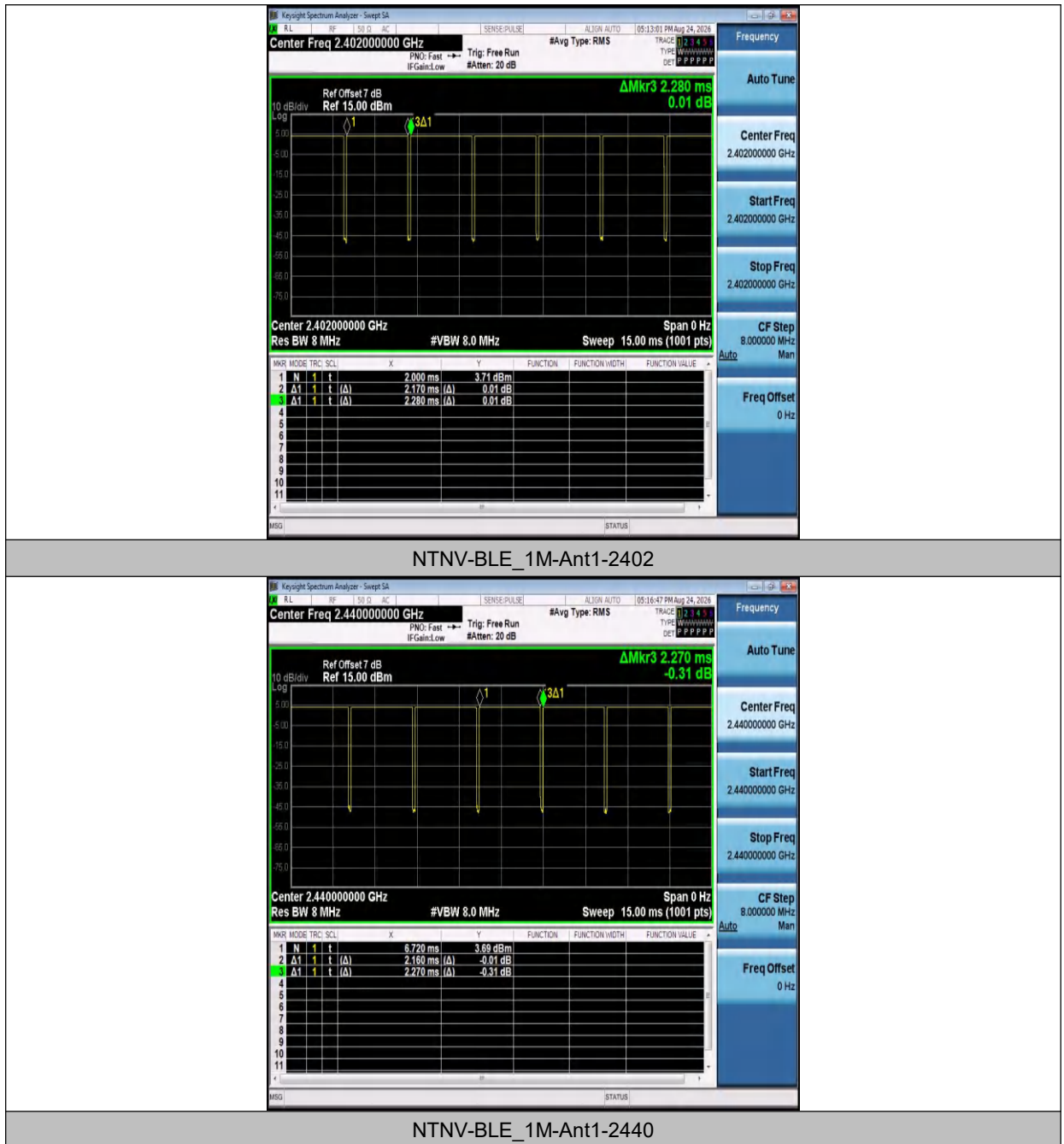
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.17	2.28	95.18	0.21
BLE_1M	Ant1	2440	2.16	2.27	95.15	0.22
BLE_1M	Ant1	2480	2.18	2.28	95.61	0.19
BLE_2M	Ant1	2402	1.10	1.20	91.67	0.38
BLE_2M	Ant1	2440	1.09	1.20	90.83	0.42
BLE_2M	Ant1	2480	1.09	1.20	90.83	0.42

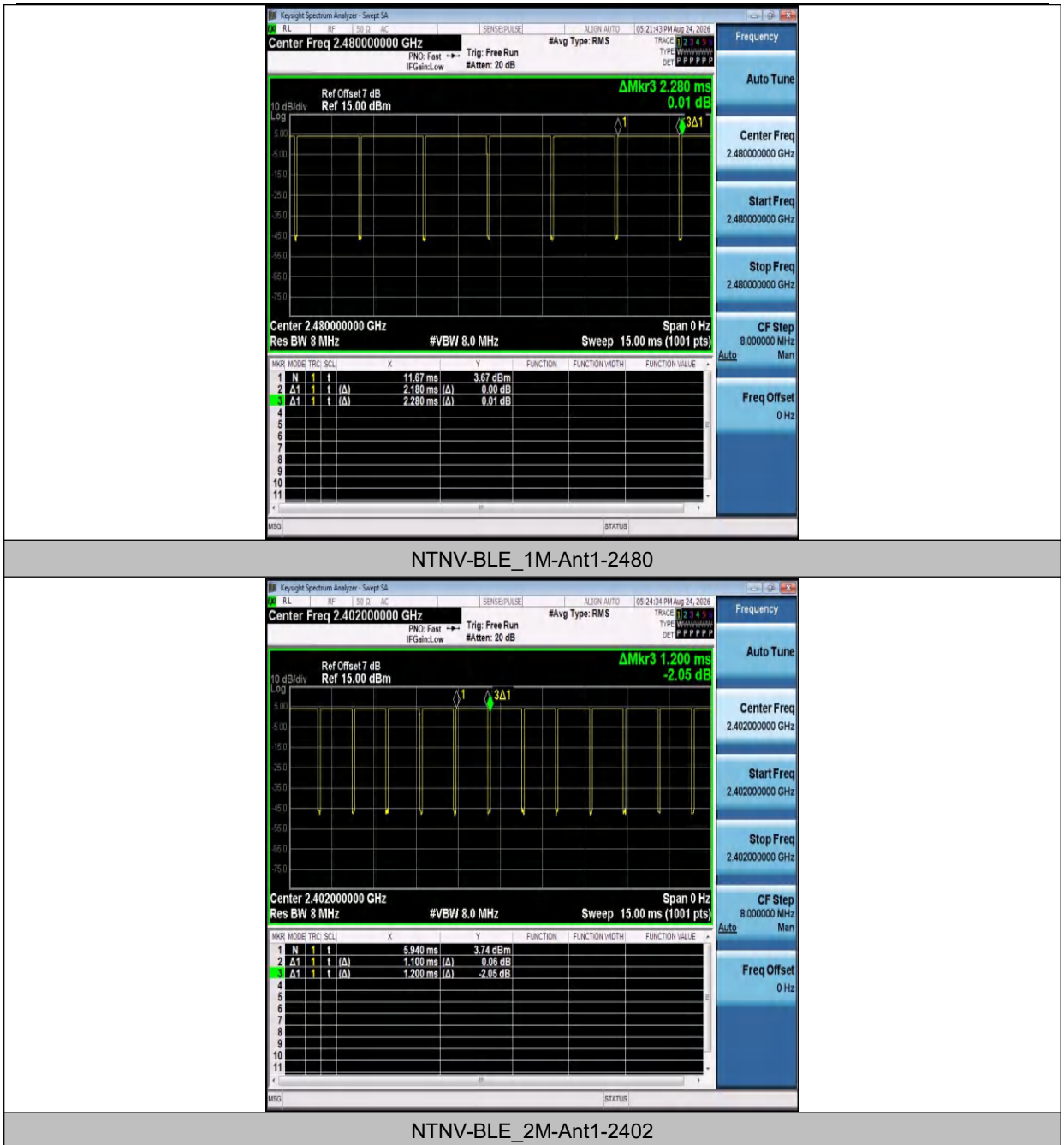
Test Graphs



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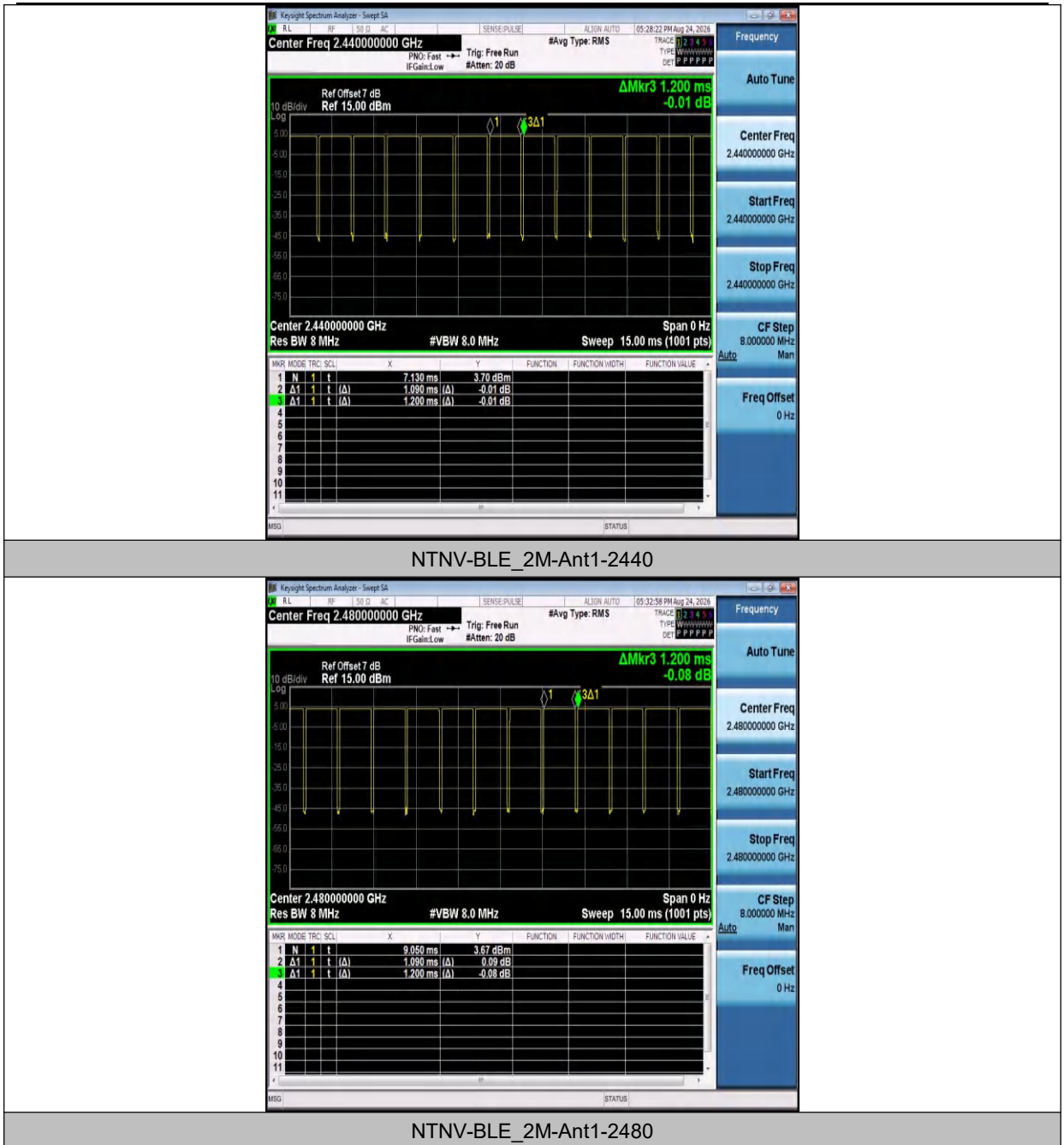
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