

Appendix Test Data

Report No.:	1818C60092712501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-11	Finish Test Date:	2026-7-15
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23.8°C	Relative Humidity:	60%
Pressure:	99.9kPa		



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	0.700	2401.652	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.668	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.692	2479.644	2480.336	0.5	PASS
BLE_2M	Ant1	2402	1.128	2401.444	2402.572	0.5	PASS
BLE_2M	Ant1	2440	1.064	2439.424	2440.488	0.5	PASS
BLE_2M	Ant1	2480	1.108	2479.456	2480.564	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	1.0445	2401.4800	2402.5245	---	---
BLE_1M	Ant1	2440	1.0419	2439.4791	2440.5210	---	---
BLE_1M	Ant1	2480	1.0407	2479.4752	2480.5159	---	---
BLE_2M	Ant1	2402	2.0795	2400.9711	2403.0506	---	---
BLE_2M	Ant1	2440	2.0786	2438.9769	2441.0555	---	---
BLE_2M	Ant1	2480	2.0650	2478.9786	2481.0436	---	---

Test Graphs



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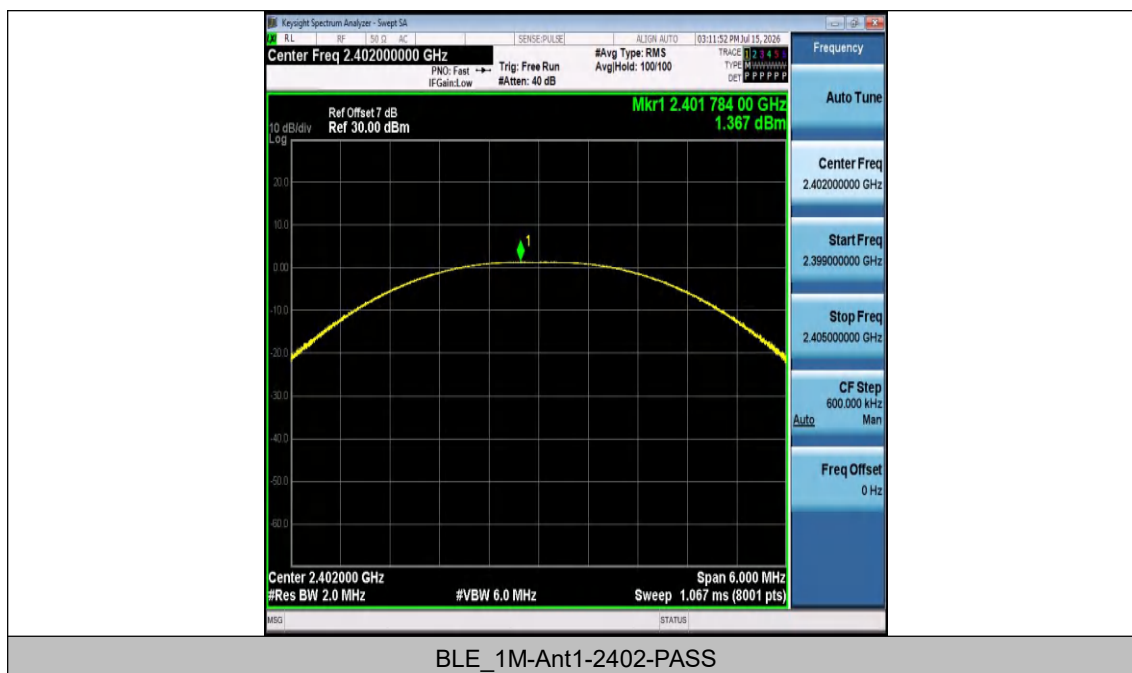
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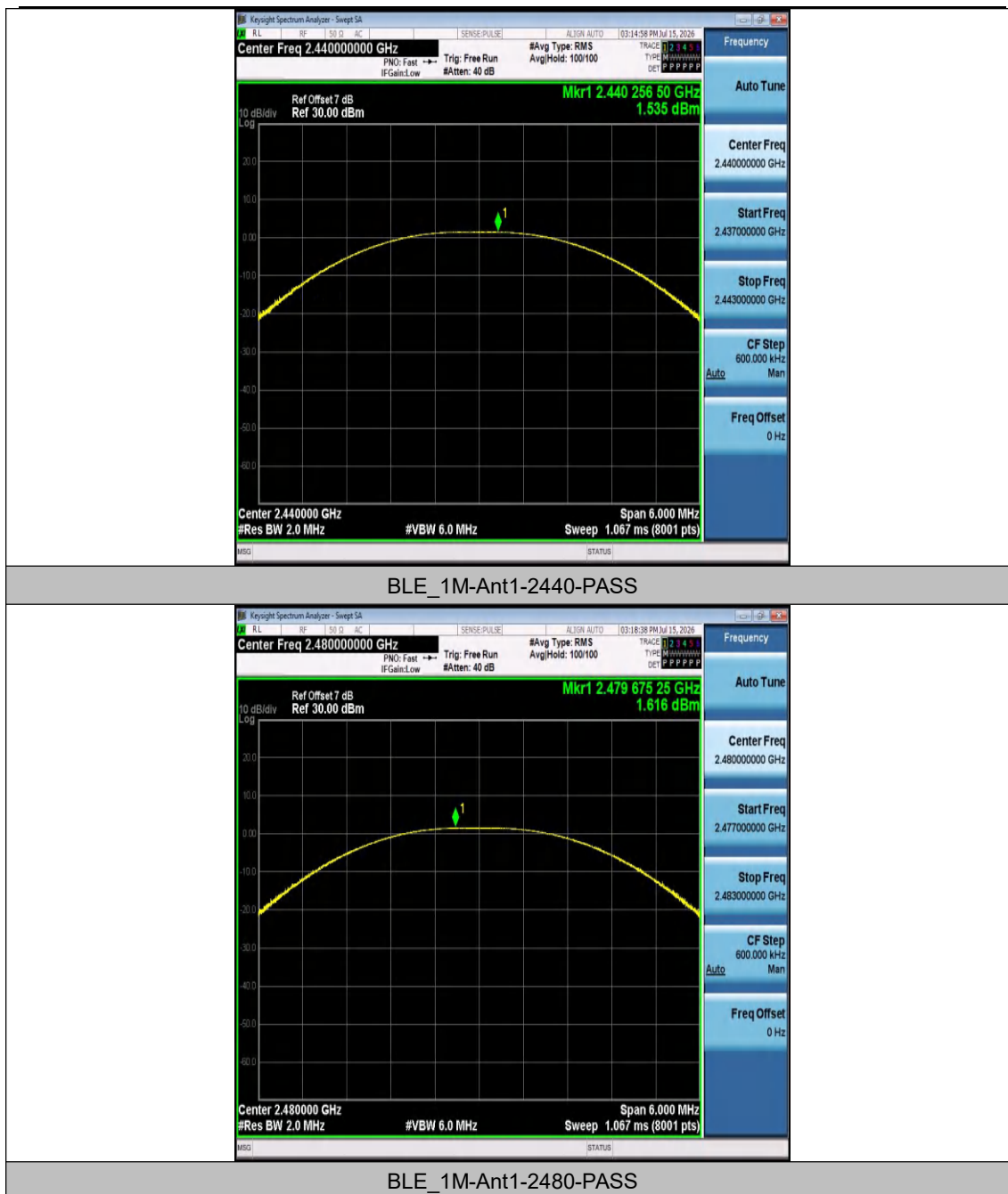
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.37	≤30	PASS
BLE_1M	Ant1	2440	1.54	≤30	PASS
BLE_1M	Ant1	2480	1.62	≤30	PASS
BLE_2M	Ant1	2402	1.42	≤30	PASS
BLE_2M	Ant1	2440	1.65	≤30	PASS
BLE_2M	Ant1	2480	1.70	≤30	PASS

Test Graphs Peak

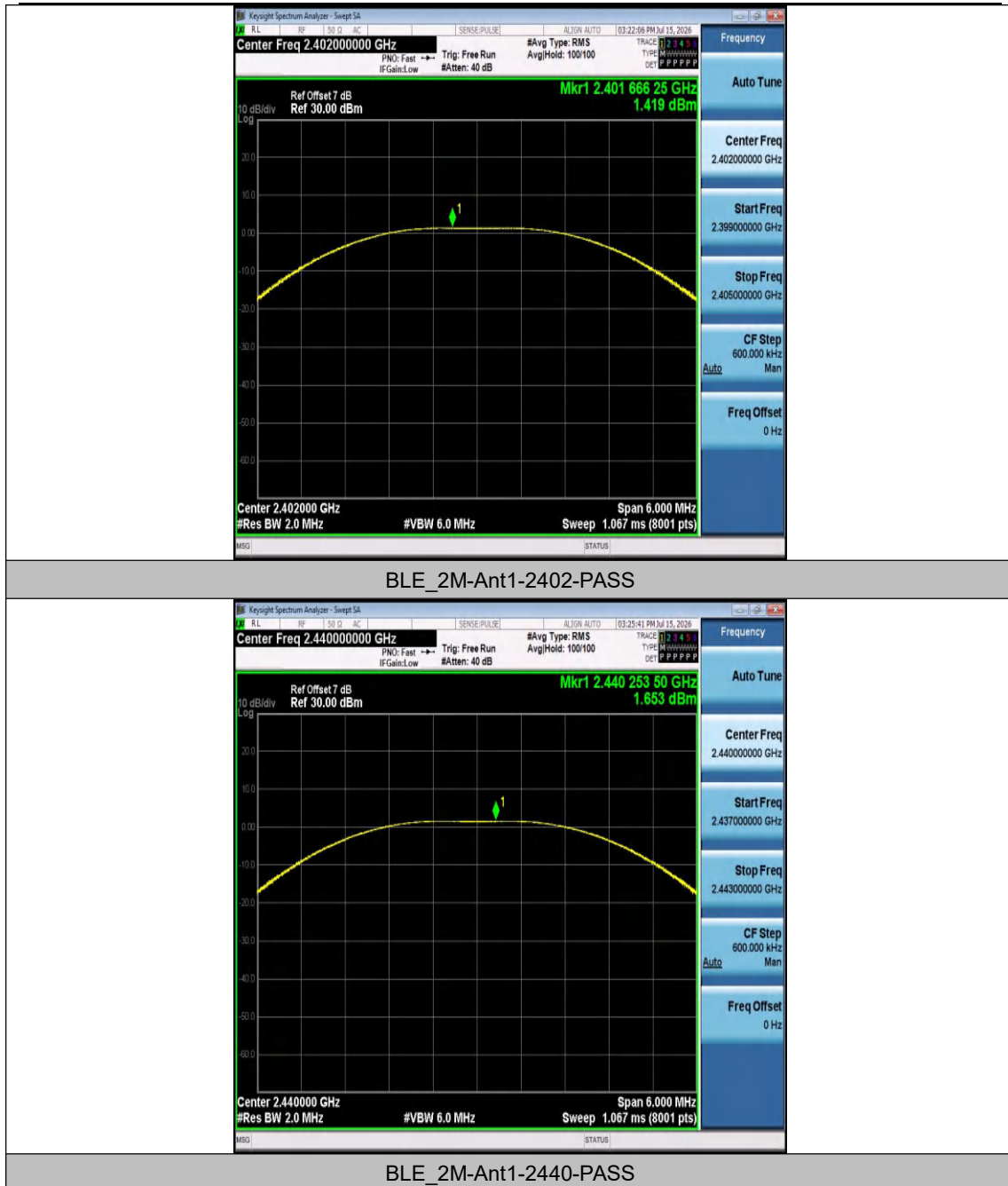




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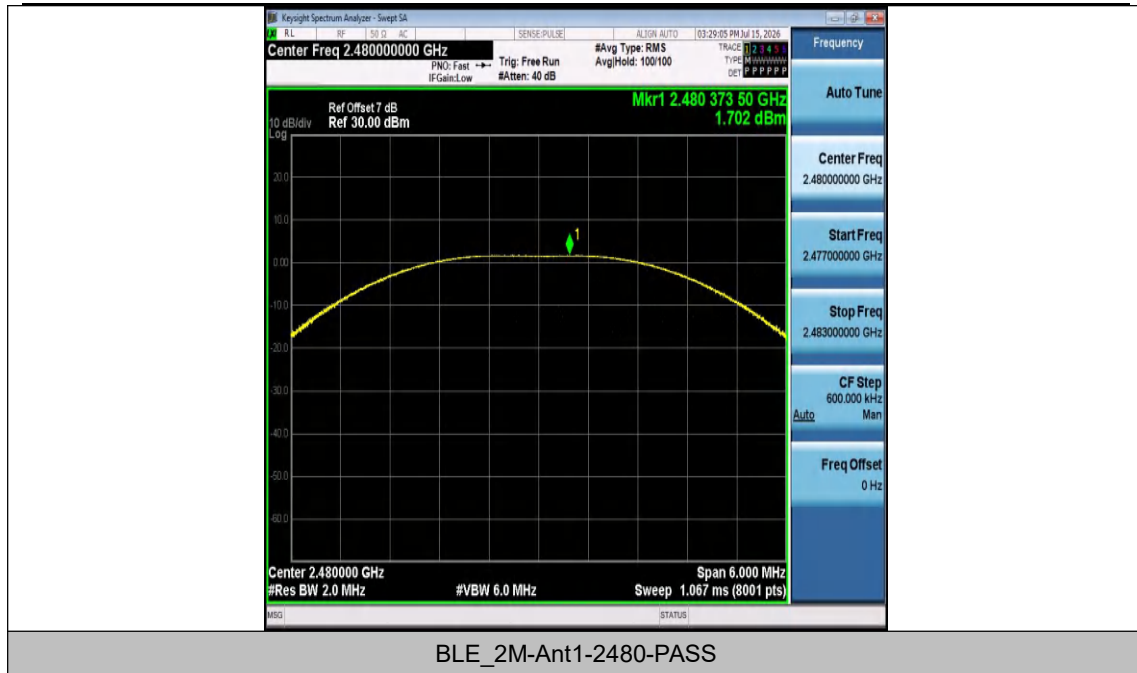
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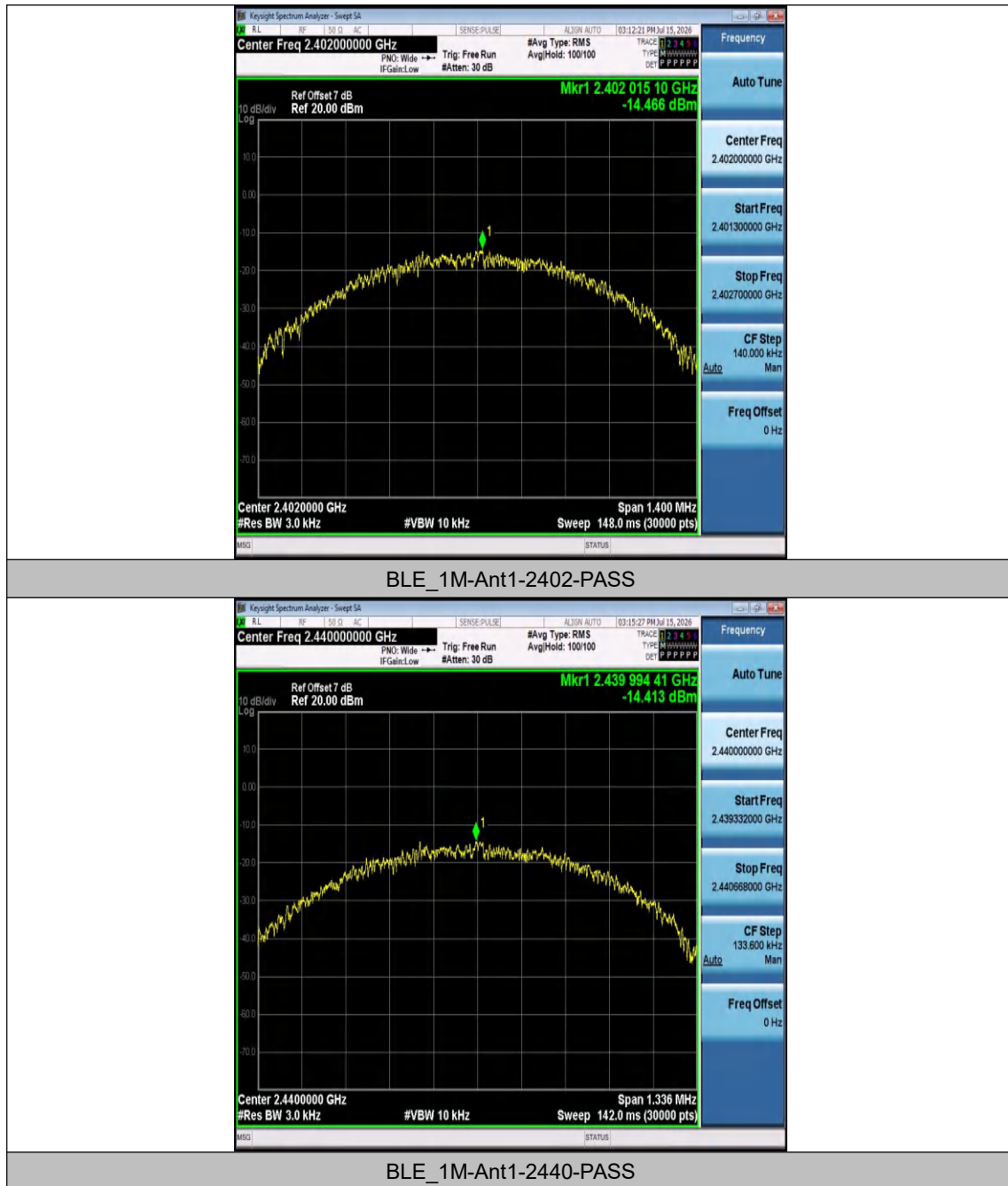
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.47	≤8.00	PASS
BLE_1M	Ant1	2440	-14.41	≤8.00	PASS
BLE_1M	Ant1	2480	-14.65	≤8.00	PASS
BLE_2M	Ant1	2402	-16.47	≤8.00	PASS
BLE_2M	Ant1	2440	-16.22	≤8.00	PASS
BLE_2M	Ant1	2480	-16.16	≤8.00	PASS

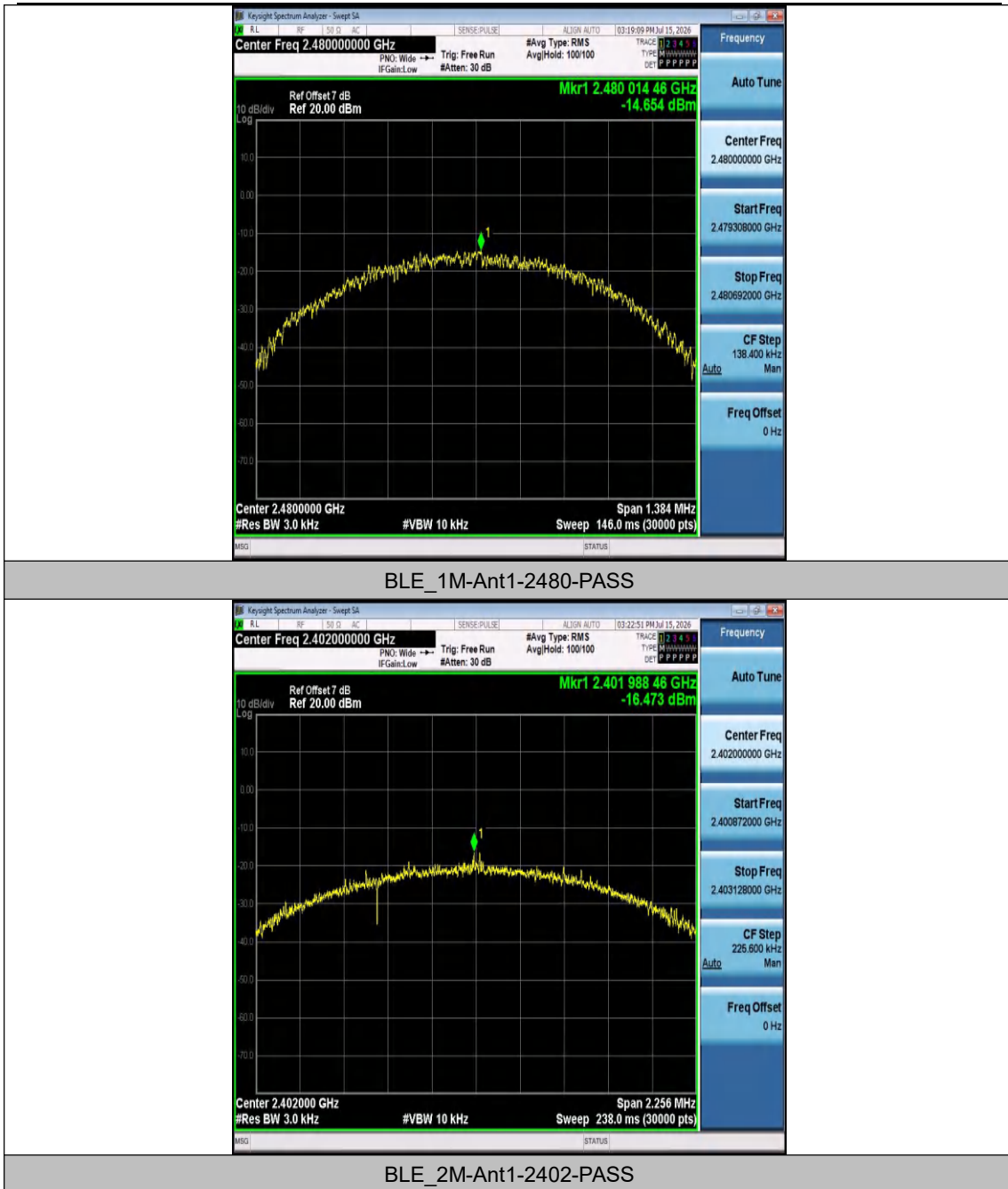
Test Graphs



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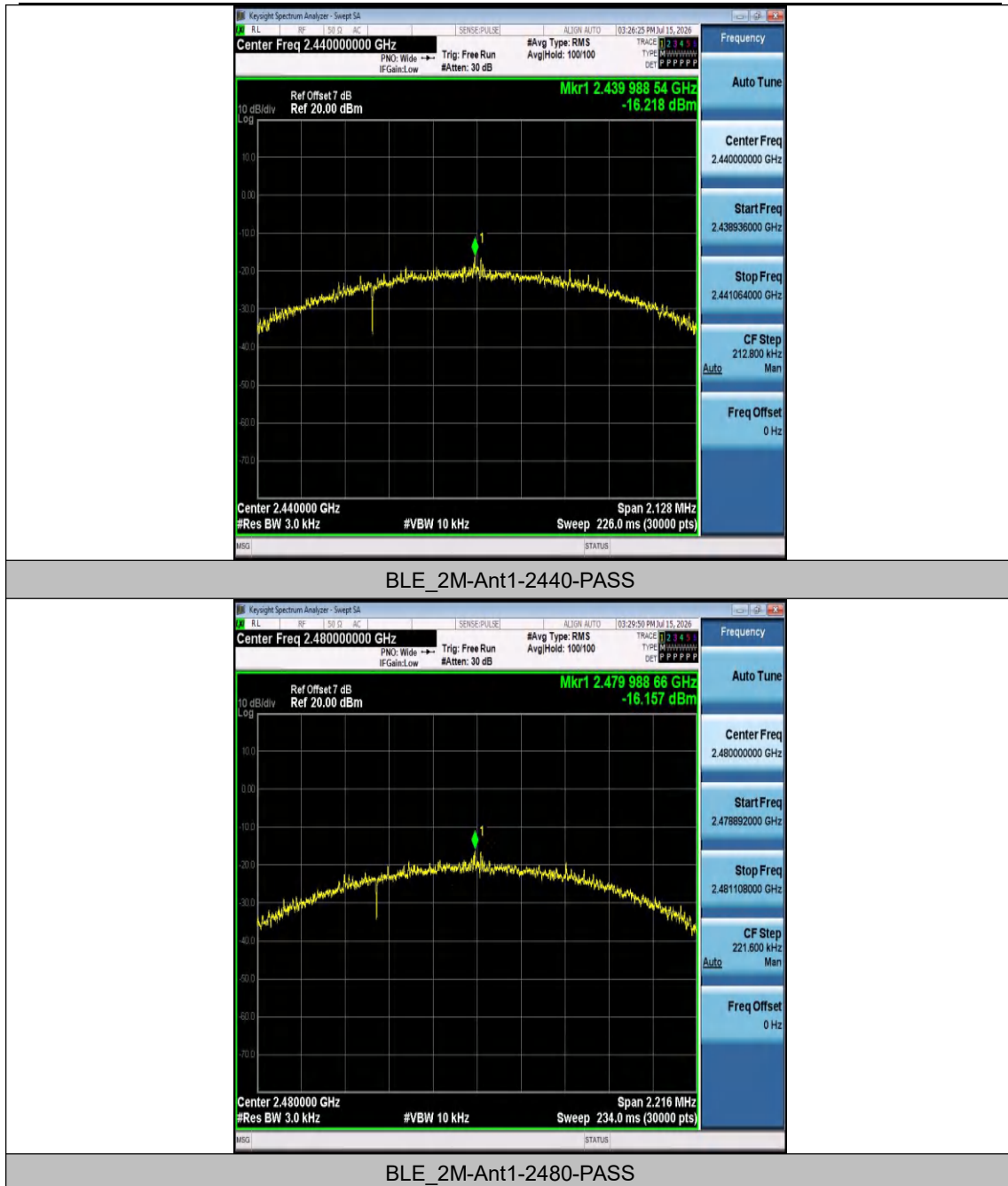
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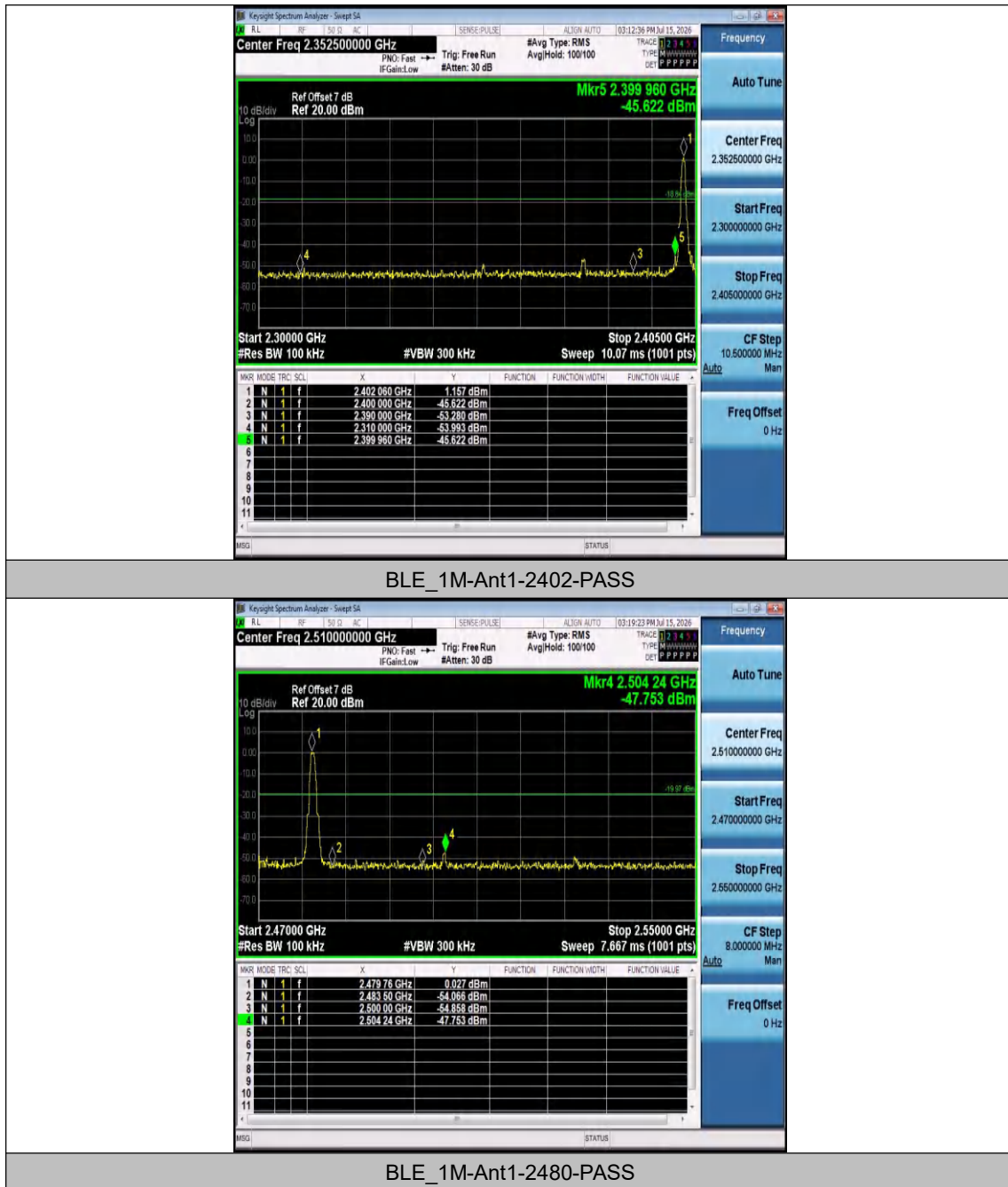
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.16	-45.62	≤-18.84	PASS
BLE_1M	Ant1	High	2480	0.03	-47.75	≤-19.97	PASS
BLE_2M	Ant1	Low	2402	-0.03	-34.11	≤-20.03	PASS
BLE_2M	Ant1	High	2480	-0.86	-48.83	≤-20.86	PASS

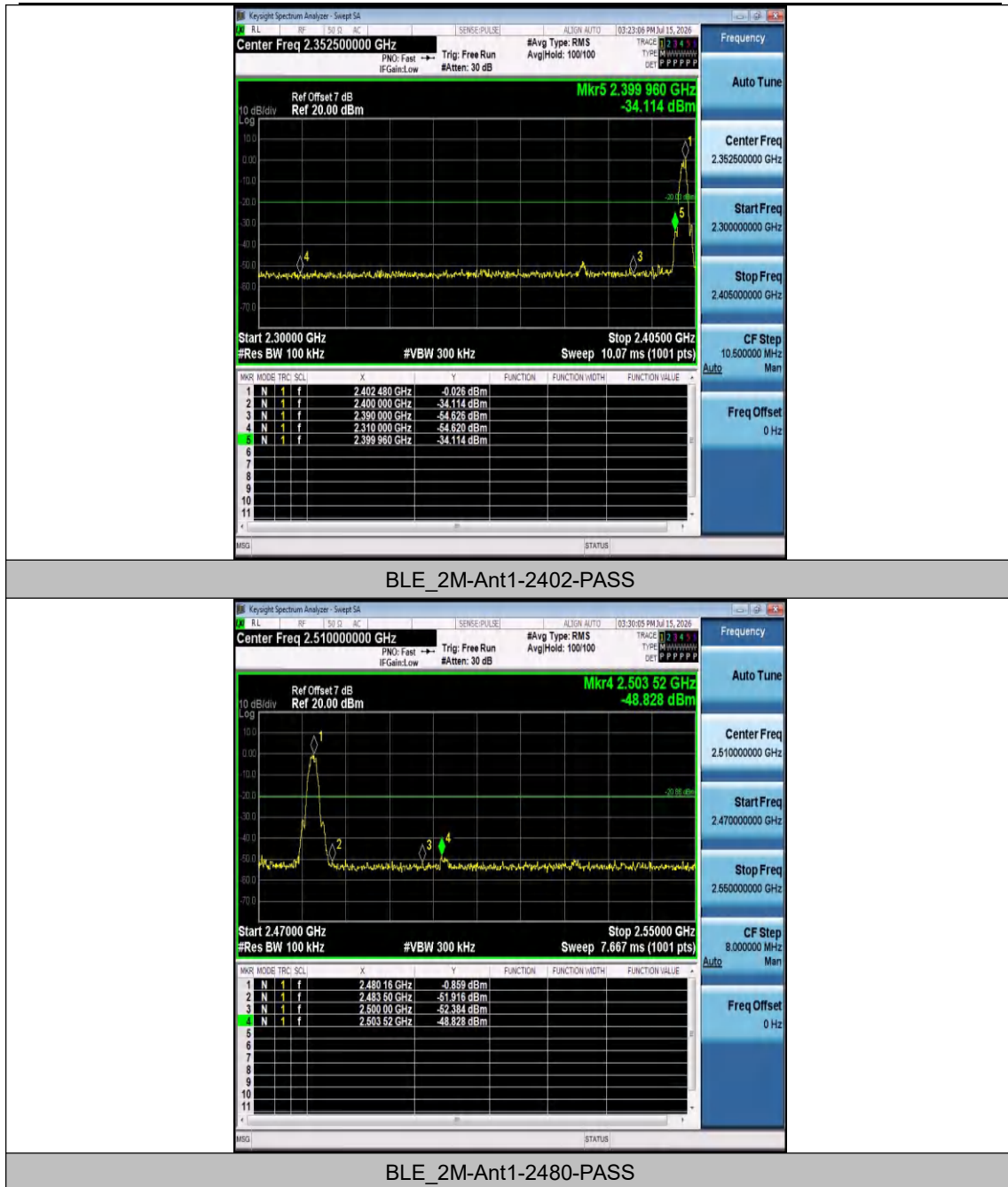
Test Graphs



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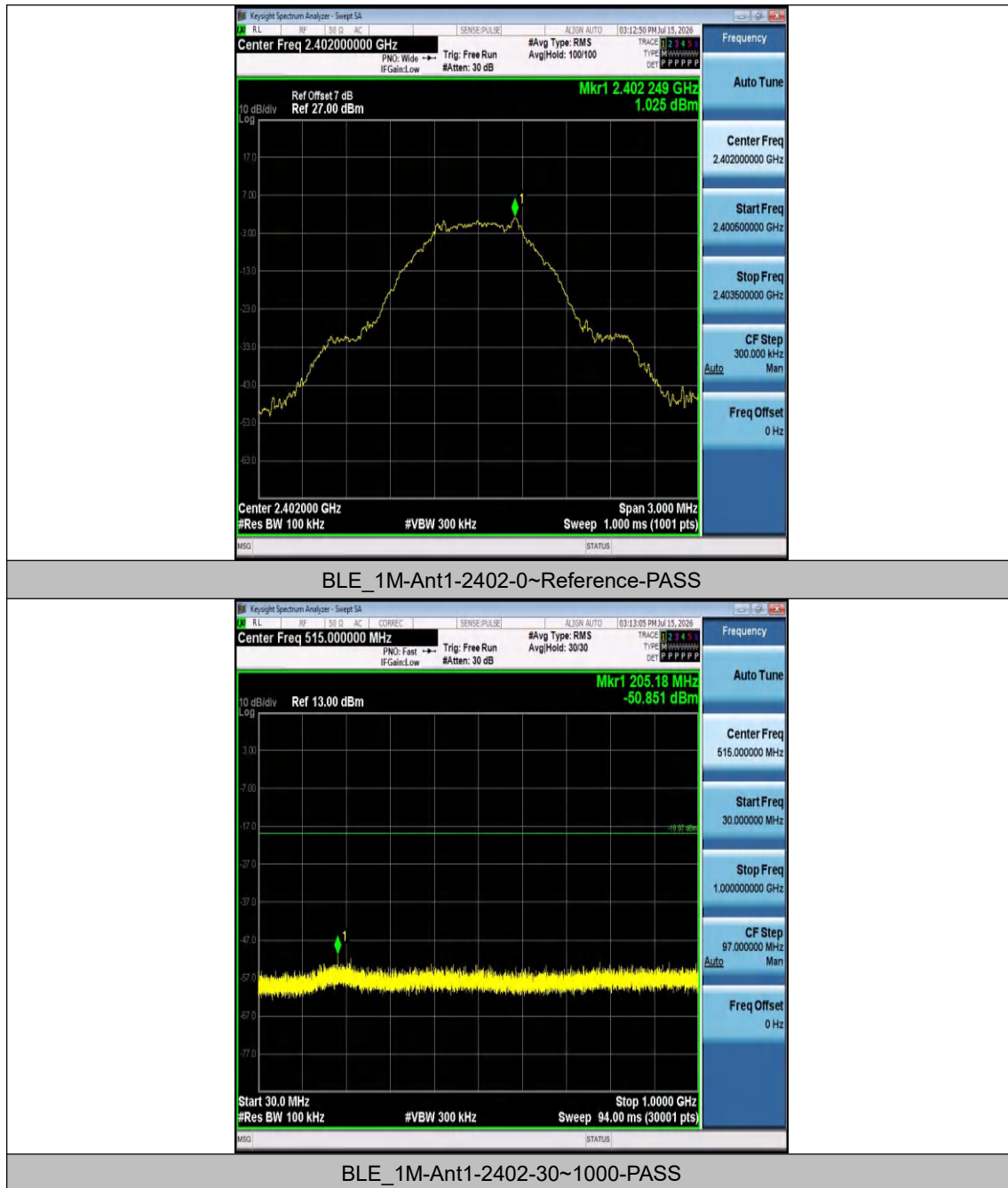
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.03	1.03	---	PASS
BLE_1M	Ant1	2402	30~1000	1.03	-50.85	≤-18.97	PASS
BLE_1M	Ant1	2402	1000~26500	1.03	-37.43	≤-18.97	PASS
BLE_1M	Ant1	2440	0~Reference	1.32	1.32	---	PASS
BLE_1M	Ant1	2440	30~1000	1.32	-52.64	≤-18.68	PASS
BLE_1M	Ant1	2440	1000~26500	1.32	-36.57	≤-18.68	PASS
BLE_1M	Ant1	2480	0~Reference	1.10	1.10	---	PASS
BLE_1M	Ant1	2480	30~1000	1.10	-52.67	≤-18.9	PASS
BLE_1M	Ant1	2480	1000~26500	1.10	-36.99	≤-18.9	PASS
BLE_2M	Ant1	2402	0~Reference	0.90	0.90	---	PASS
BLE_2M	Ant1	2402	30~1000	0.90	-51.83	≤-19.1	PASS
BLE_2M	Ant1	2402	1000~26500	0.90	-37.26	≤-19.1	PASS
BLE_2M	Ant1	2440	0~Reference	0.23	0.23	---	PASS
BLE_2M	Ant1	2440	30~1000	0.23	-52.26	≤-19.77	PASS
BLE_2M	Ant1	2440	1000~26500	0.23	-37.27	≤-19.77	PASS
BLE_2M	Ant1	2480	0~Reference	-0.02	-0.02	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.02	-52.45	≤-20.02	PASS
BLE_2M	Ant1	2480	1000~26500	-0.02	-36.64	≤-20.02	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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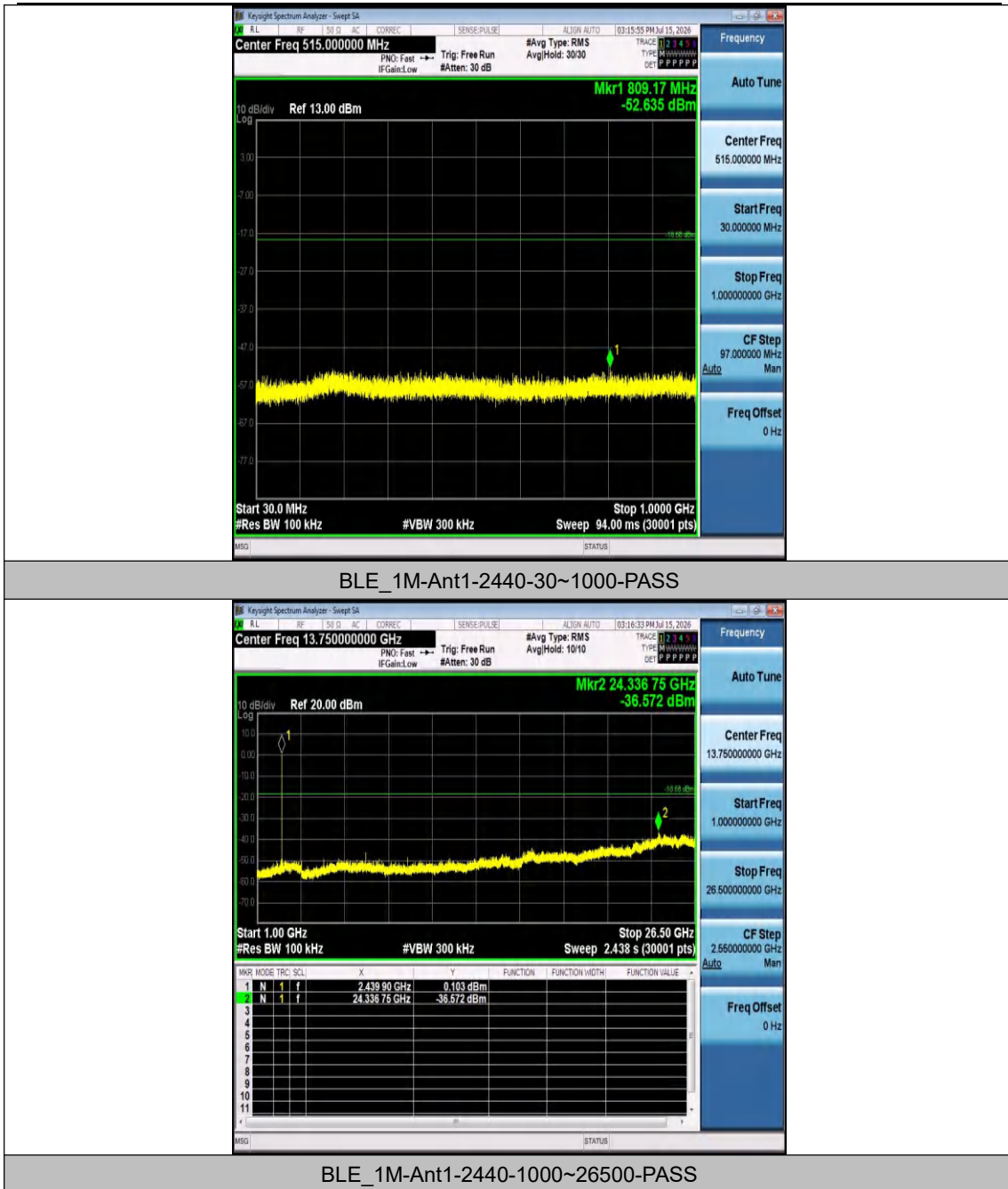
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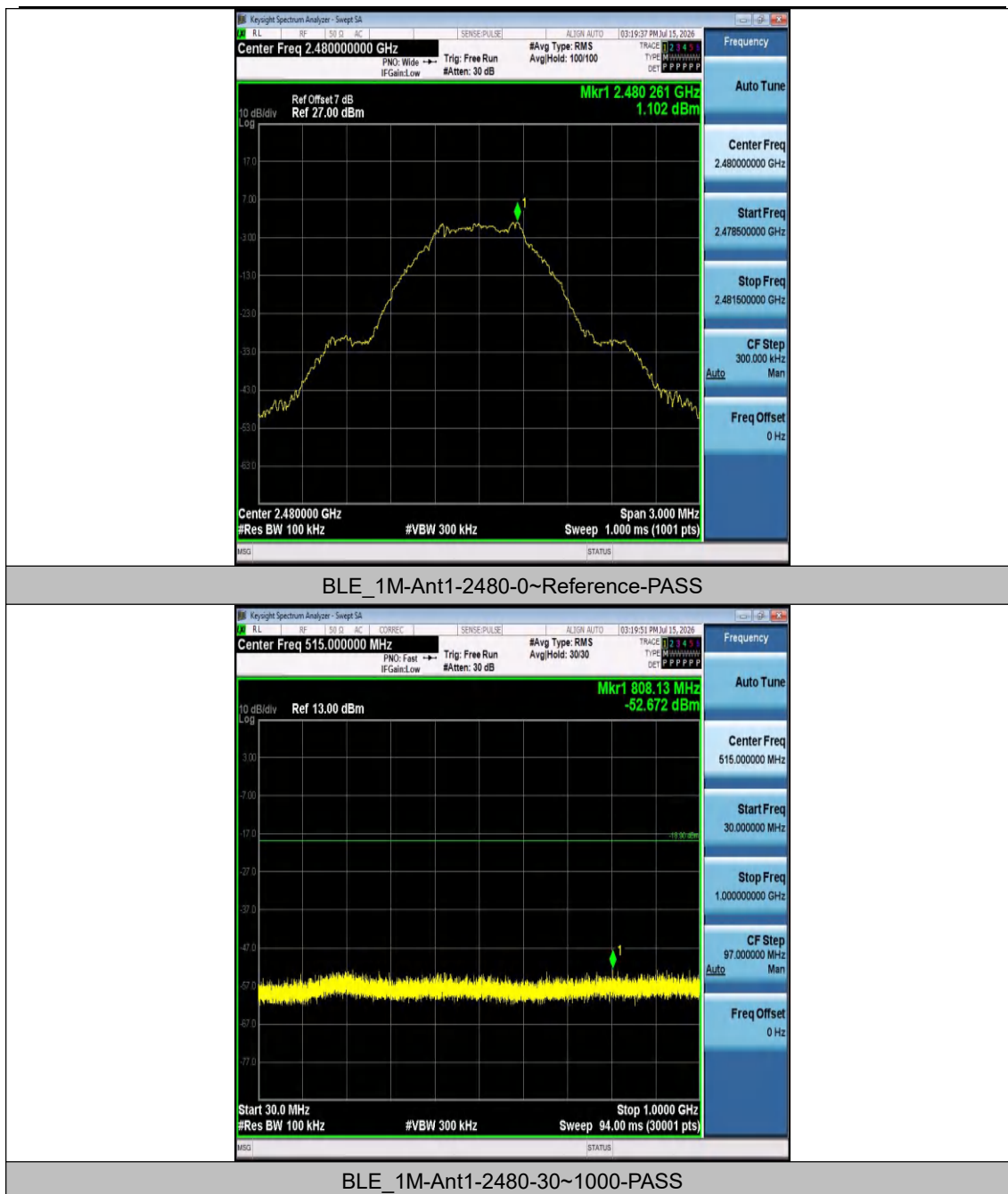
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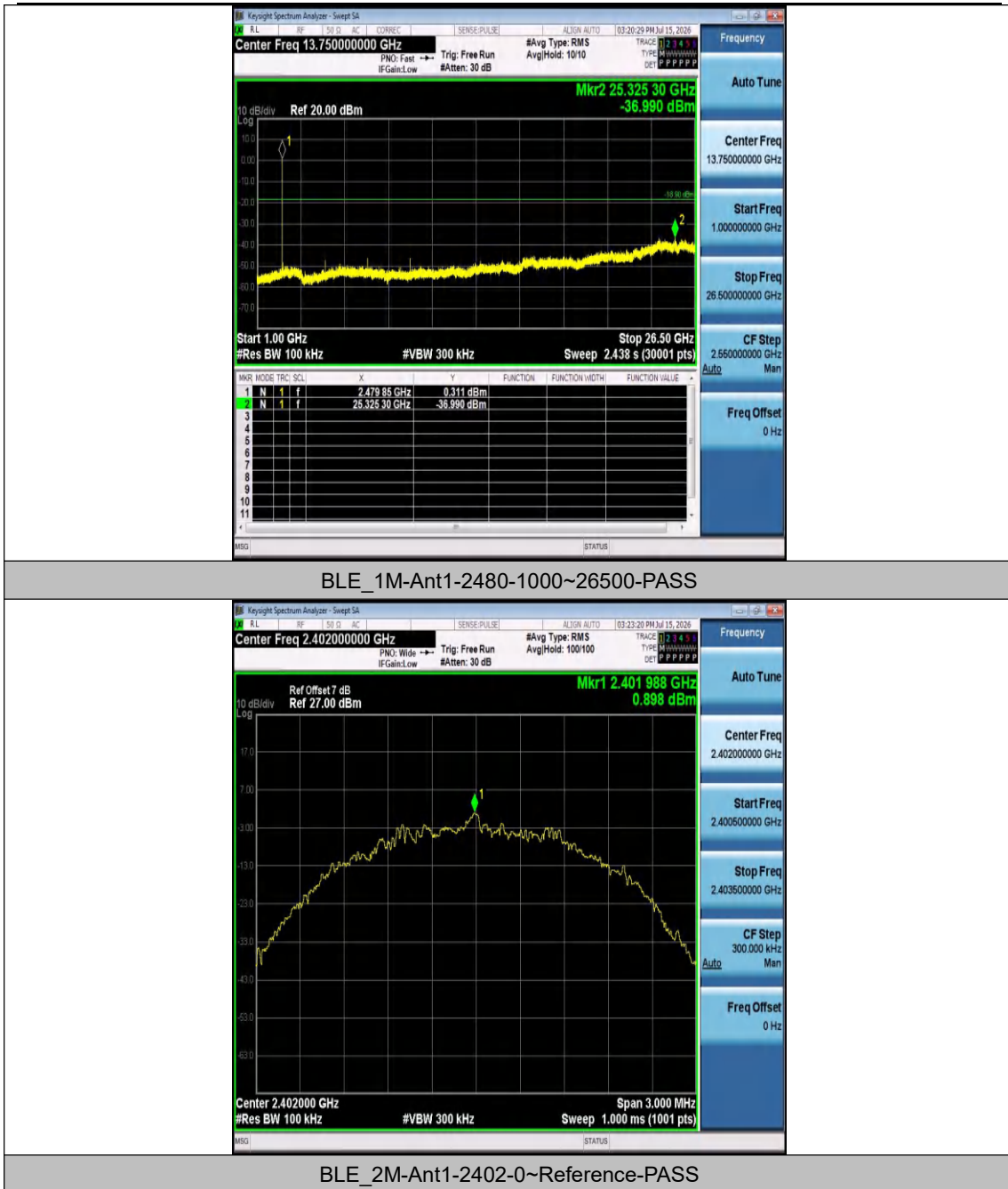
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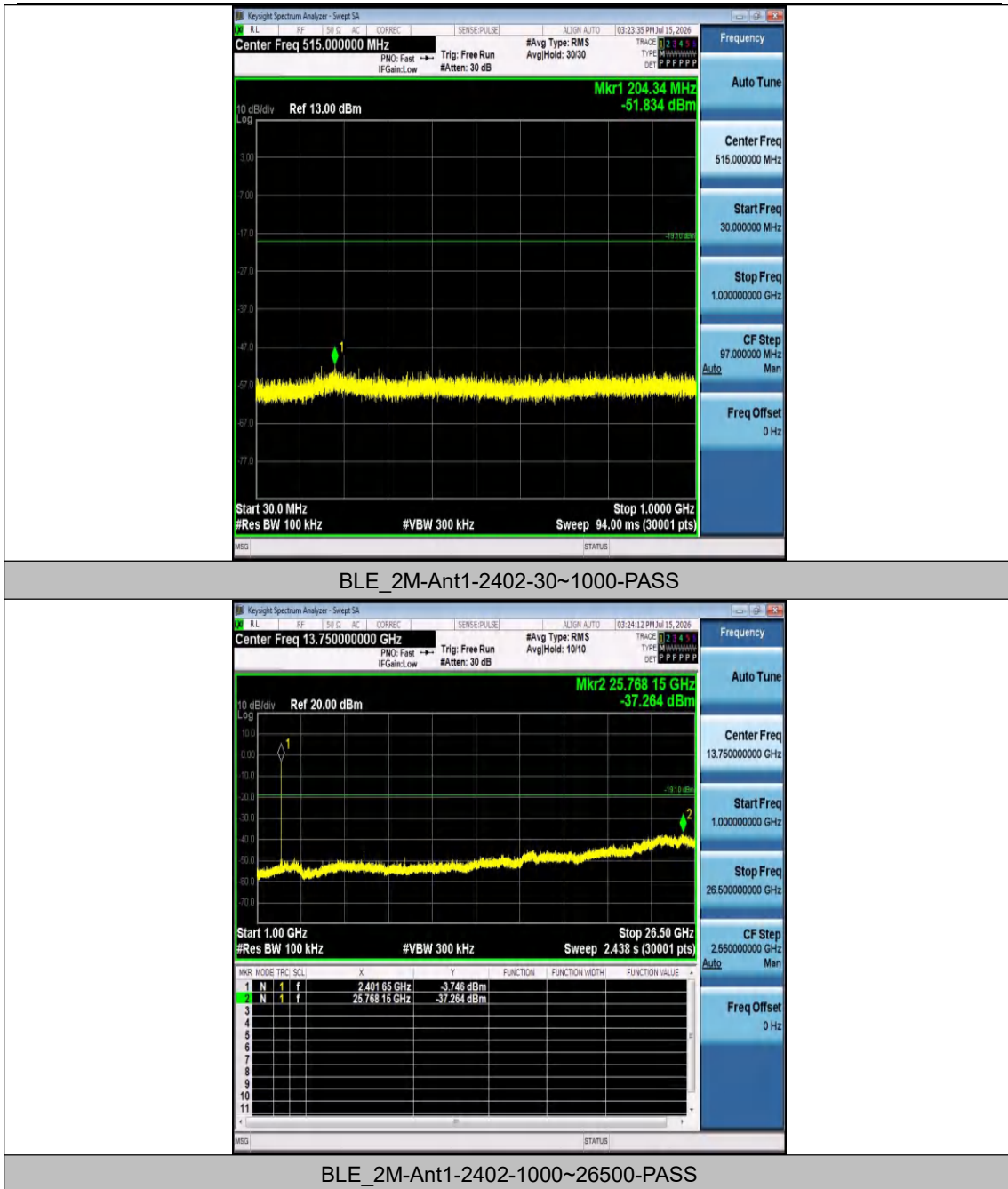
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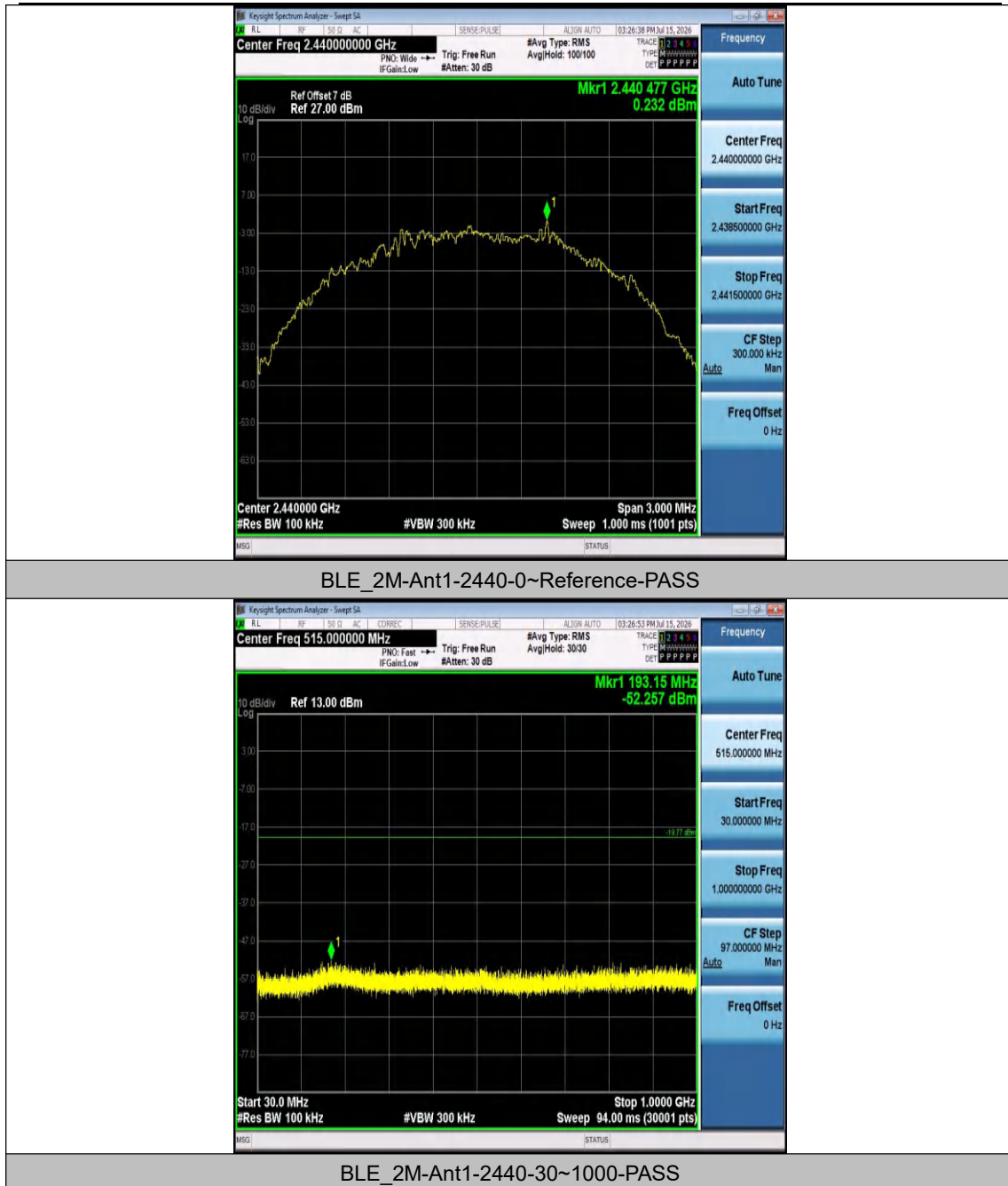
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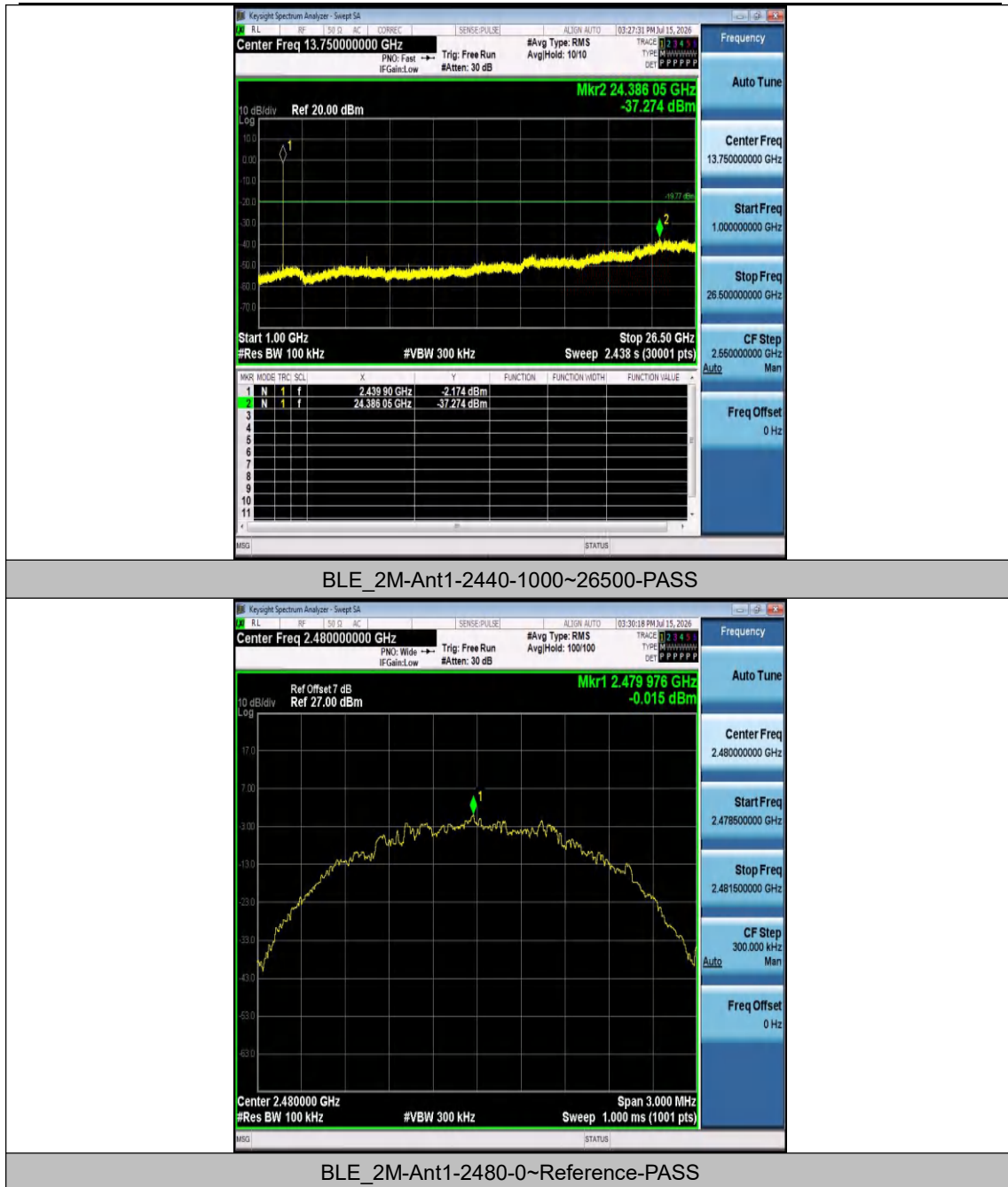
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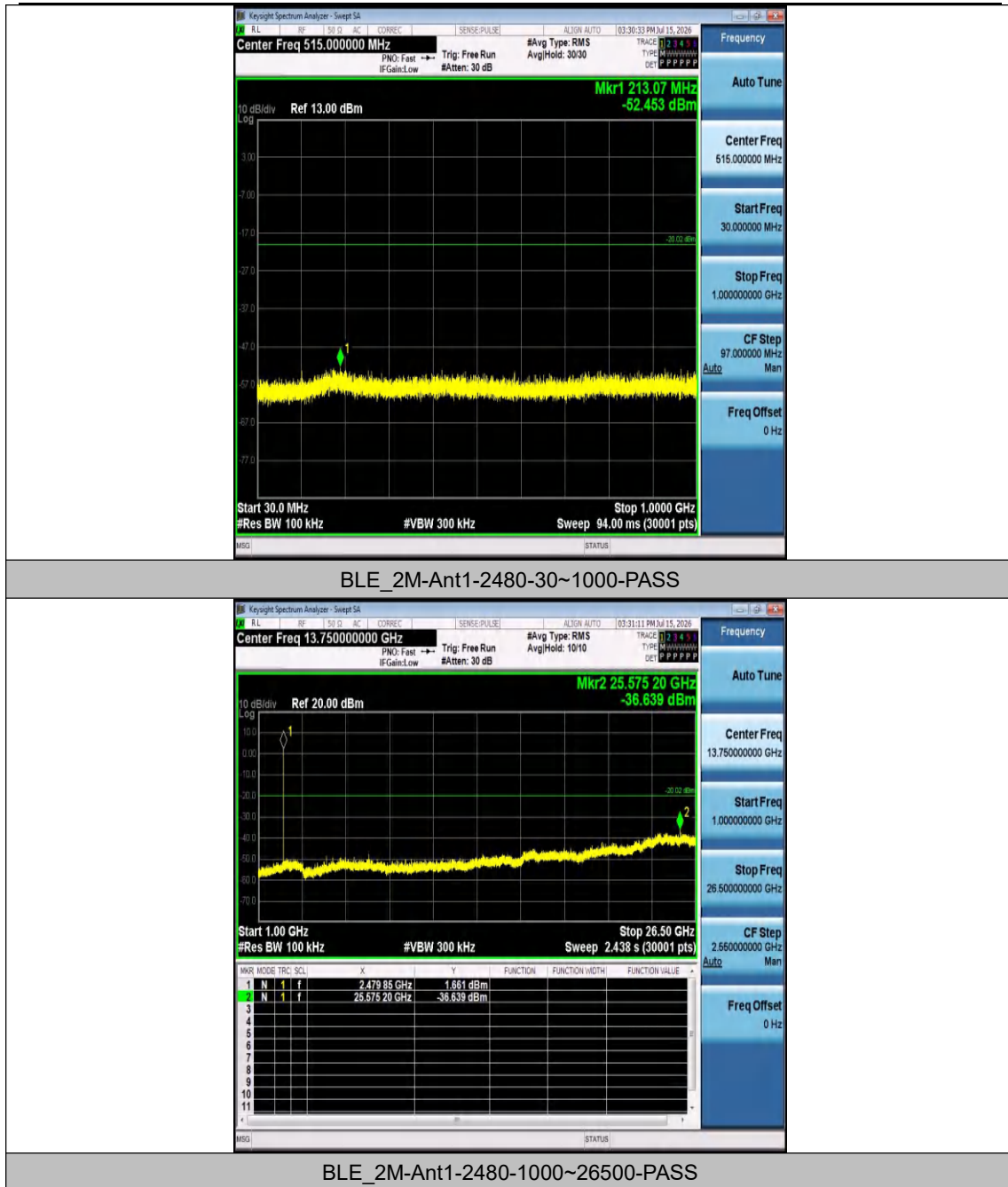
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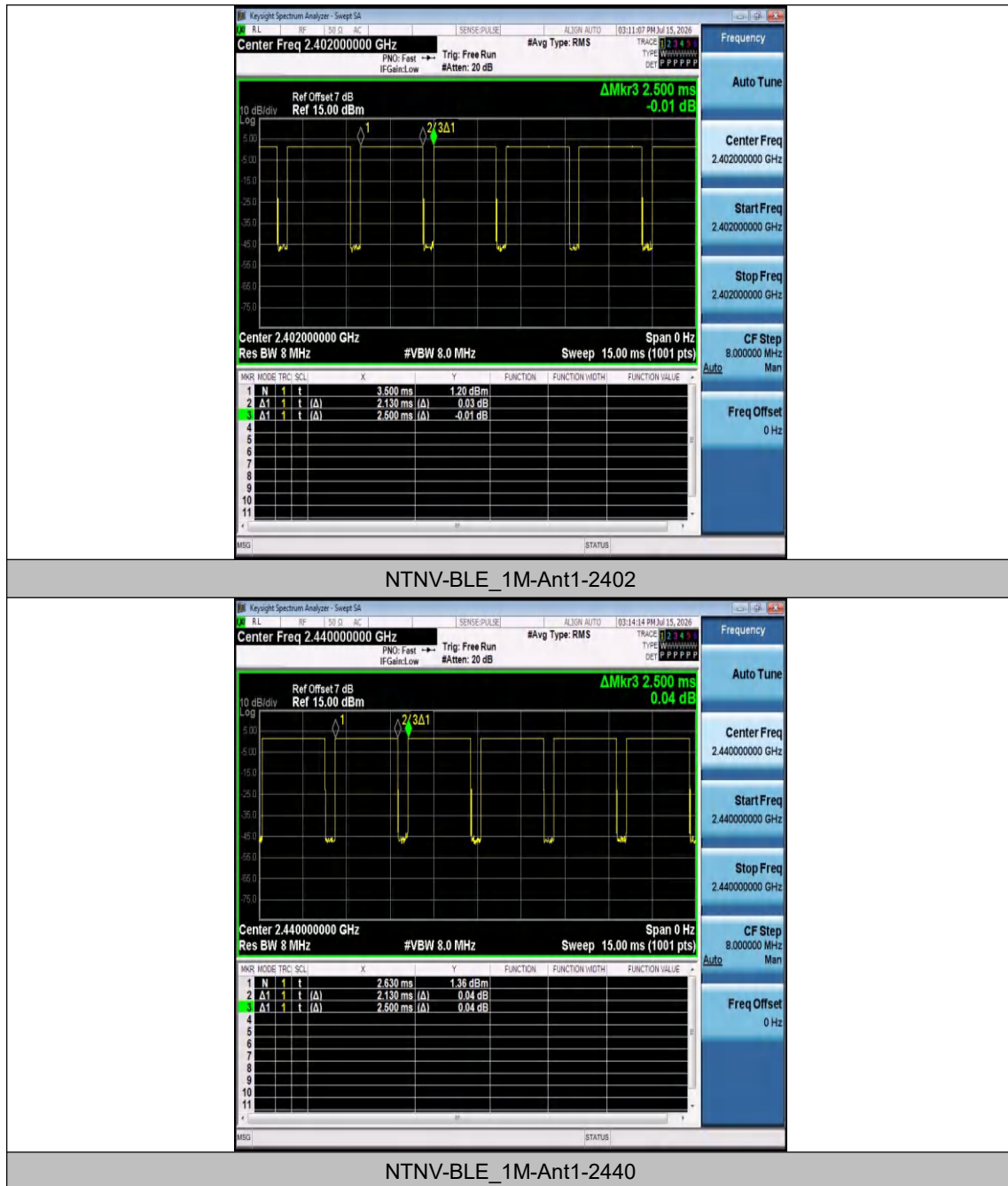
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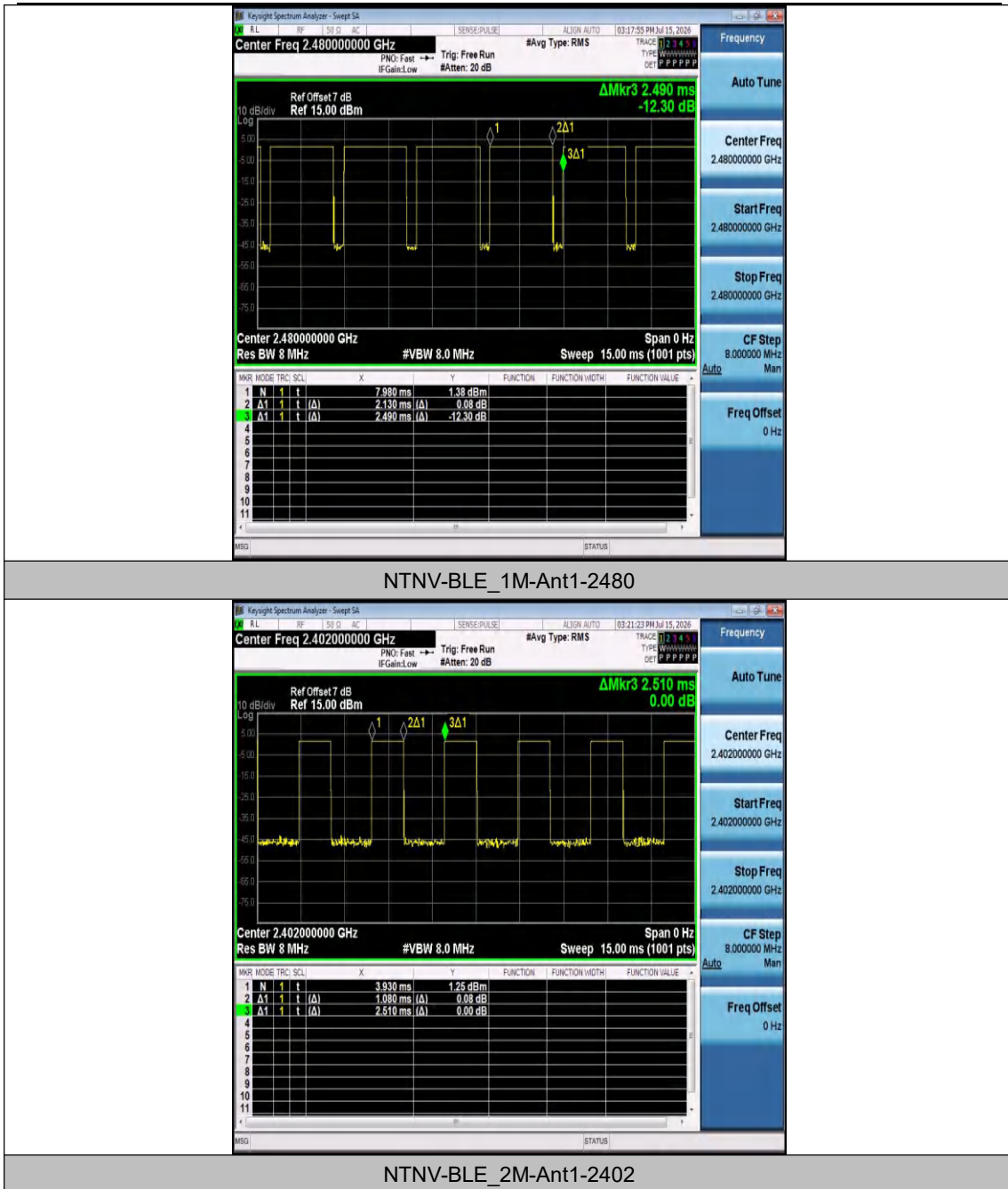
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.49	85.54	0.68
BLE_2M	Ant1	2402	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2440	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2480	1.08	2.50	43.20	3.65

Test Graphs

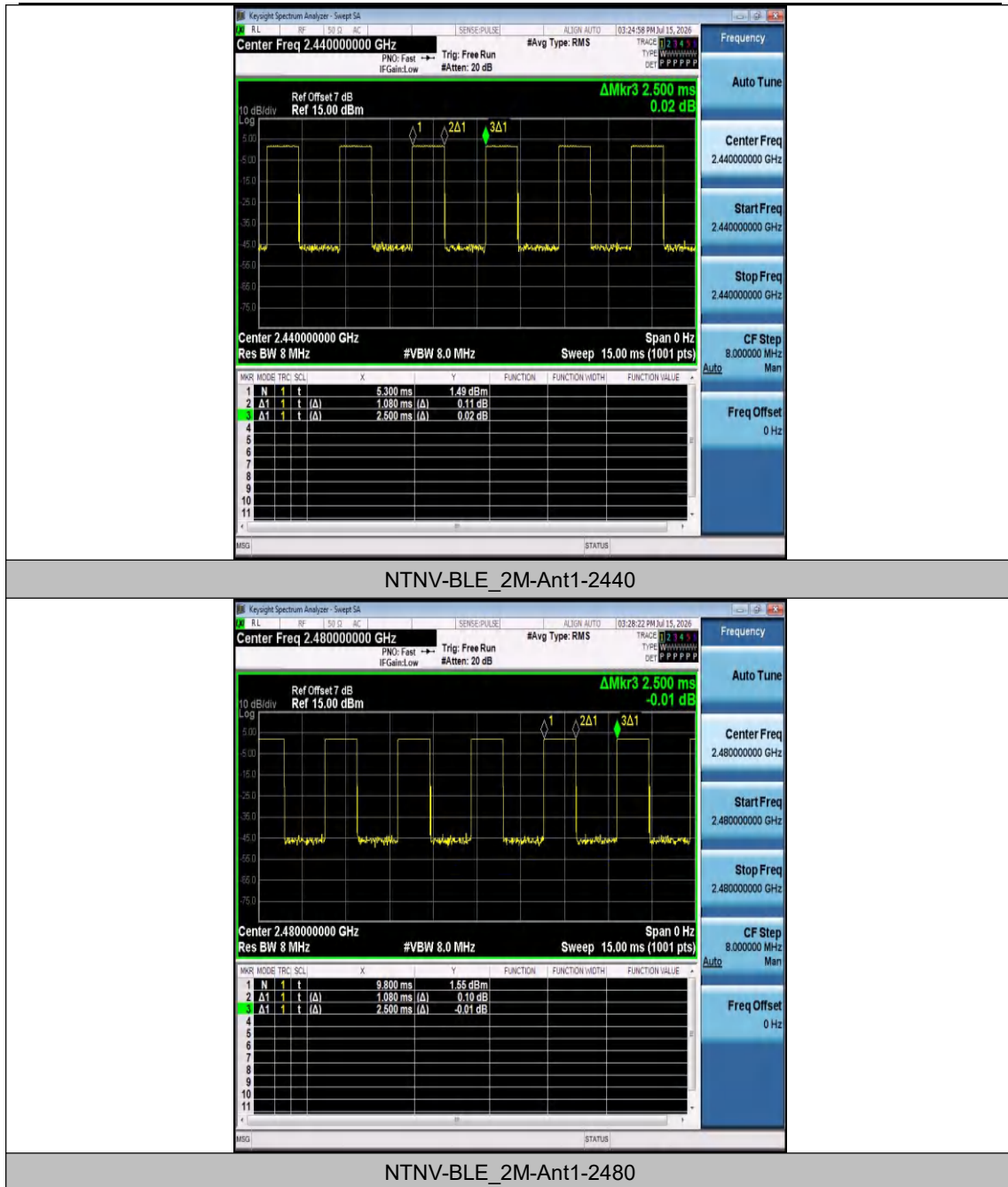




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