

Appendix Test Data

Report No.:	1812C60379012502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-7	Finish Test Date:	2026-7-14
Test Engineer:	<i>Pearl Ao</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.2°C	Relative Humidity:	72%
Pressure:	99.5kPa		



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	0.716	2401.656	2402.372	0.5	PASS
BLE_1M	Ant1	2440	0.720	2439.652	2440.372	0.5	PASS
BLE_1M	Ant1	2480	0.648	2479.692	2480.340	0.5	PASS
BLE_2M	Ant1	2402	1.152	2401.452	2402.604	0.5	PASS
BLE_2M	Ant1	2440	1.140	2439.464	2440.604	0.5	PASS
BLE_2M	Ant1	2480	1.248	2479.364	2480.612	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	1.0362	2401.4979	2402.5341	---	---
BLE_1M	Ant1	2440	1.0395	2439.4967	2440.5362	---	---
BLE_1M	Ant1	2480	1.0320	2479.5004	2480.5324	---	---
BLE_2M	Ant1	2402	2.0793	2400.9899	2403.0692	---	---
BLE_2M	Ant1	2440	2.0828	2438.9892	2441.0720	---	---
BLE_2M	Ant1	2480	2.0722	2478.9971	2481.0693	---	---

Test Graphs



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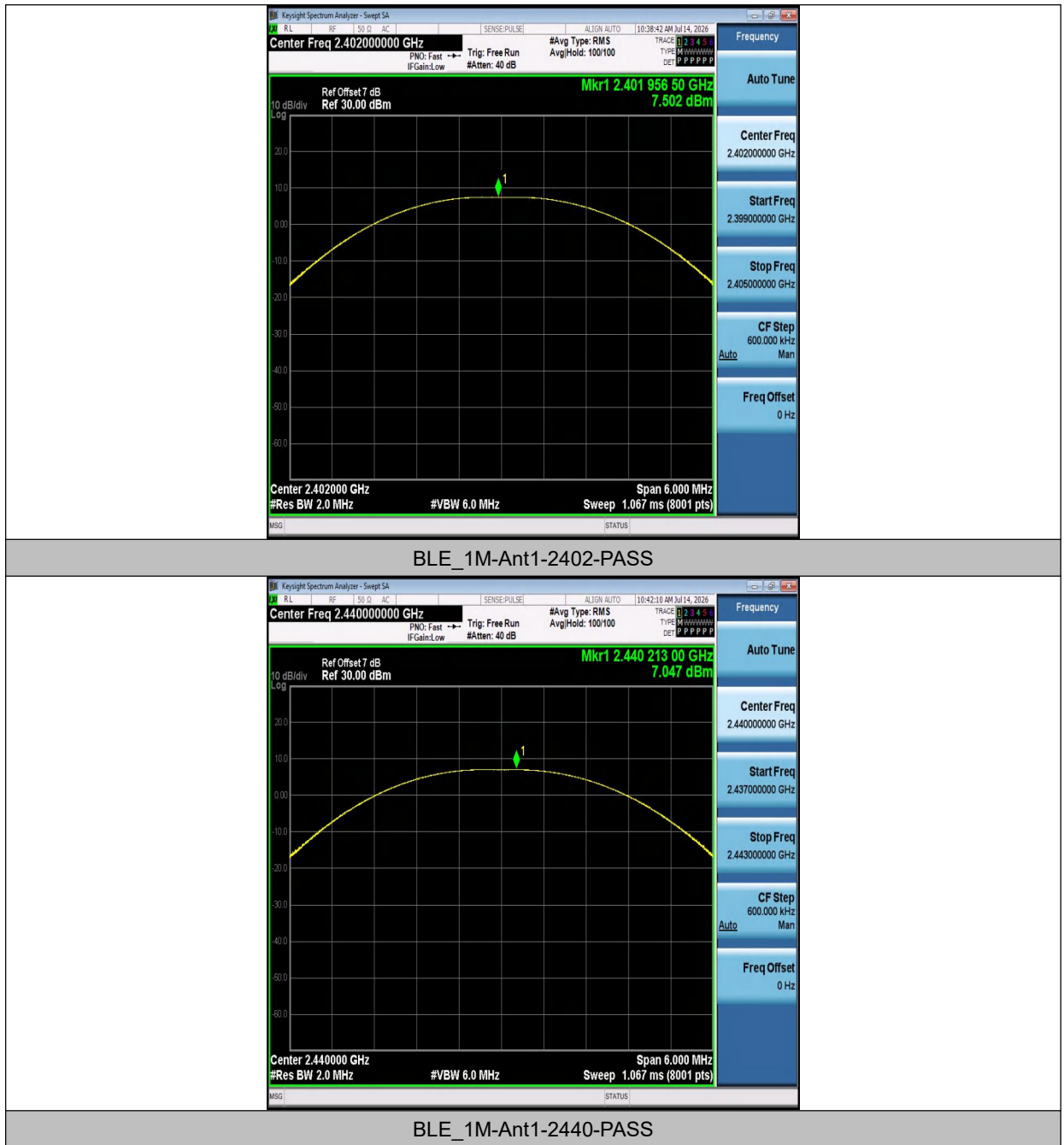
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.50	≤30	PASS
BLE_1M	Ant1	2440	7.05	≤30	PASS
BLE_1M	Ant1	2480	6.52	≤30	PASS
BLE_2M	Ant1	2402	7.47	≤30	PASS
BLE_2M	Ant1	2440	7.00	≤30	PASS
BLE_2M	Ant1	2480	6.51	≤30	PASS

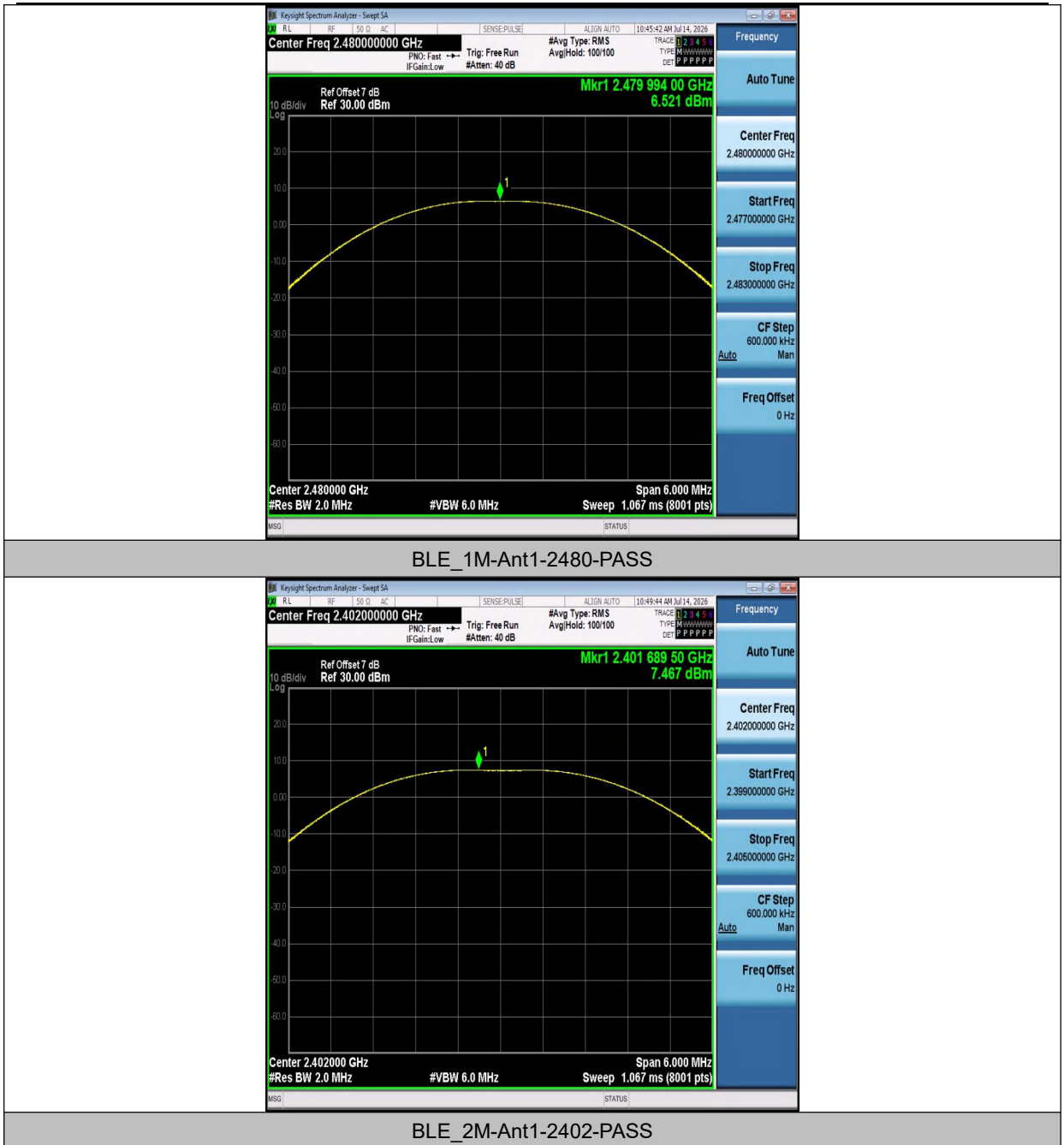
Test Graphs Peak



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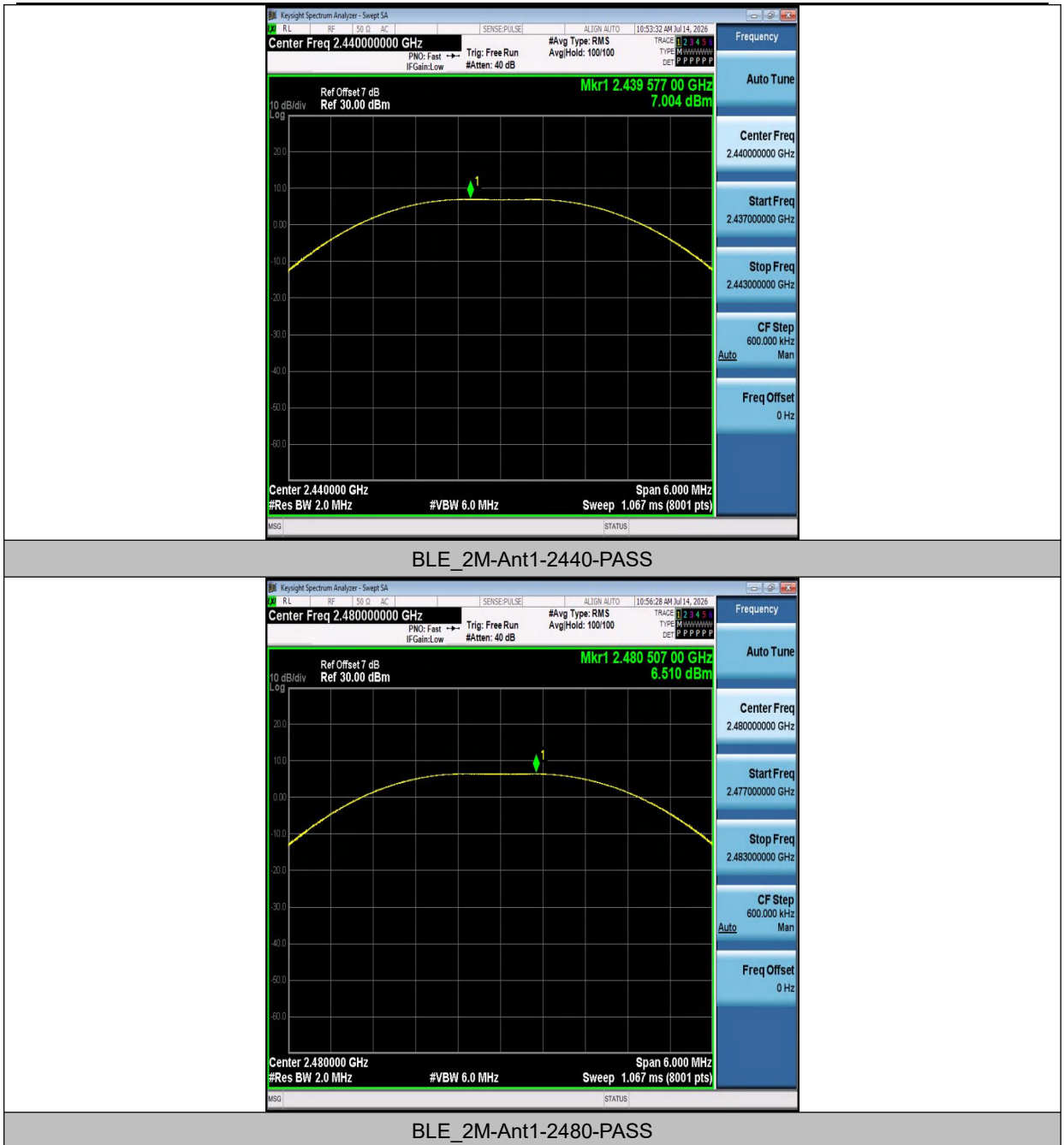
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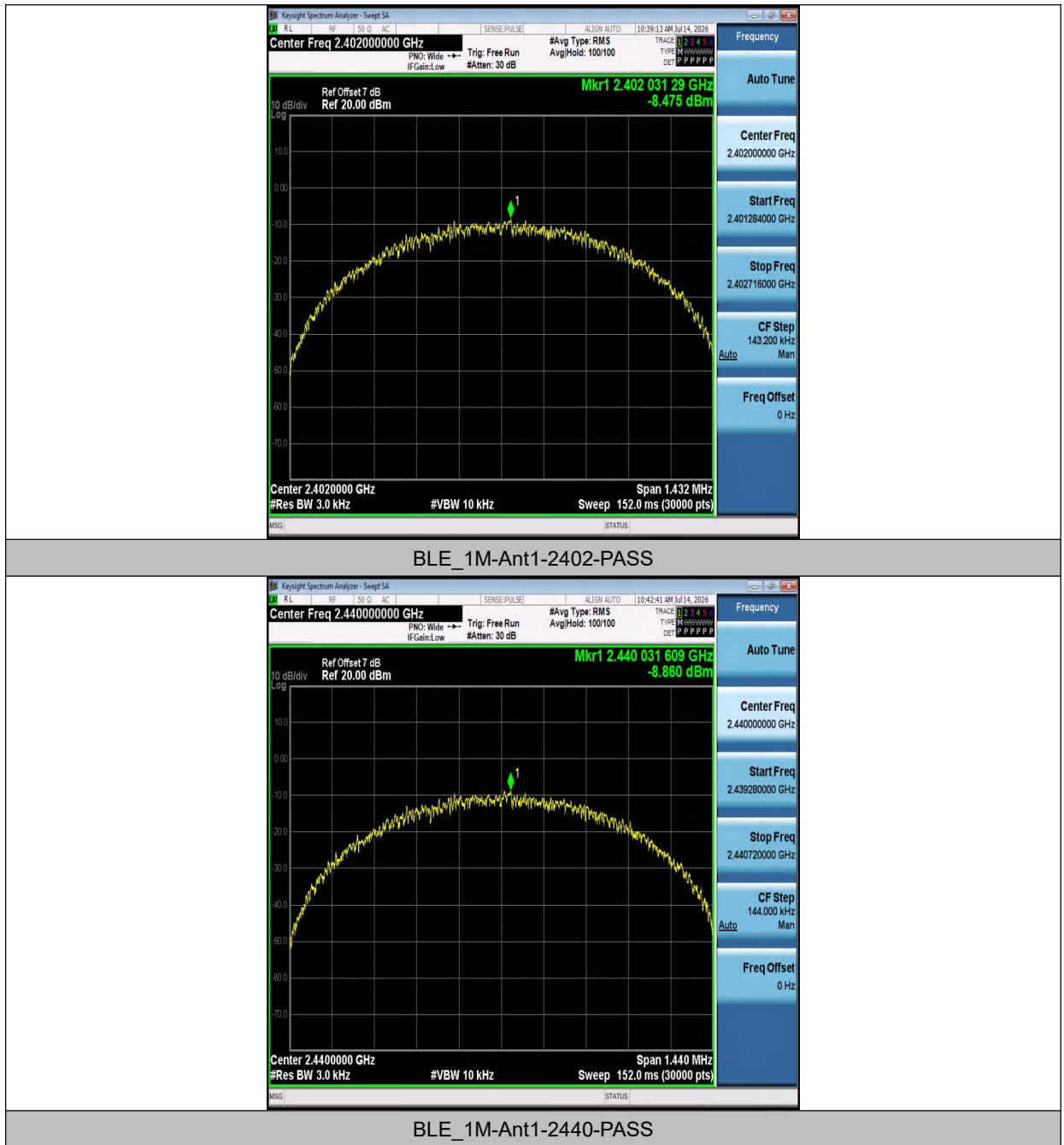
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.48	≤8.00	PASS
BLE_1M	Ant1	2440	-8.86	≤8.00	PASS
BLE_1M	Ant1	2480	-9.39	≤8.00	PASS
BLE_2M	Ant1	2402	-12.00	≤8.00	PASS
BLE_2M	Ant1	2440	-12.52	≤8.00	PASS
BLE_2M	Ant1	2480	-12.80	≤8.00	PASS

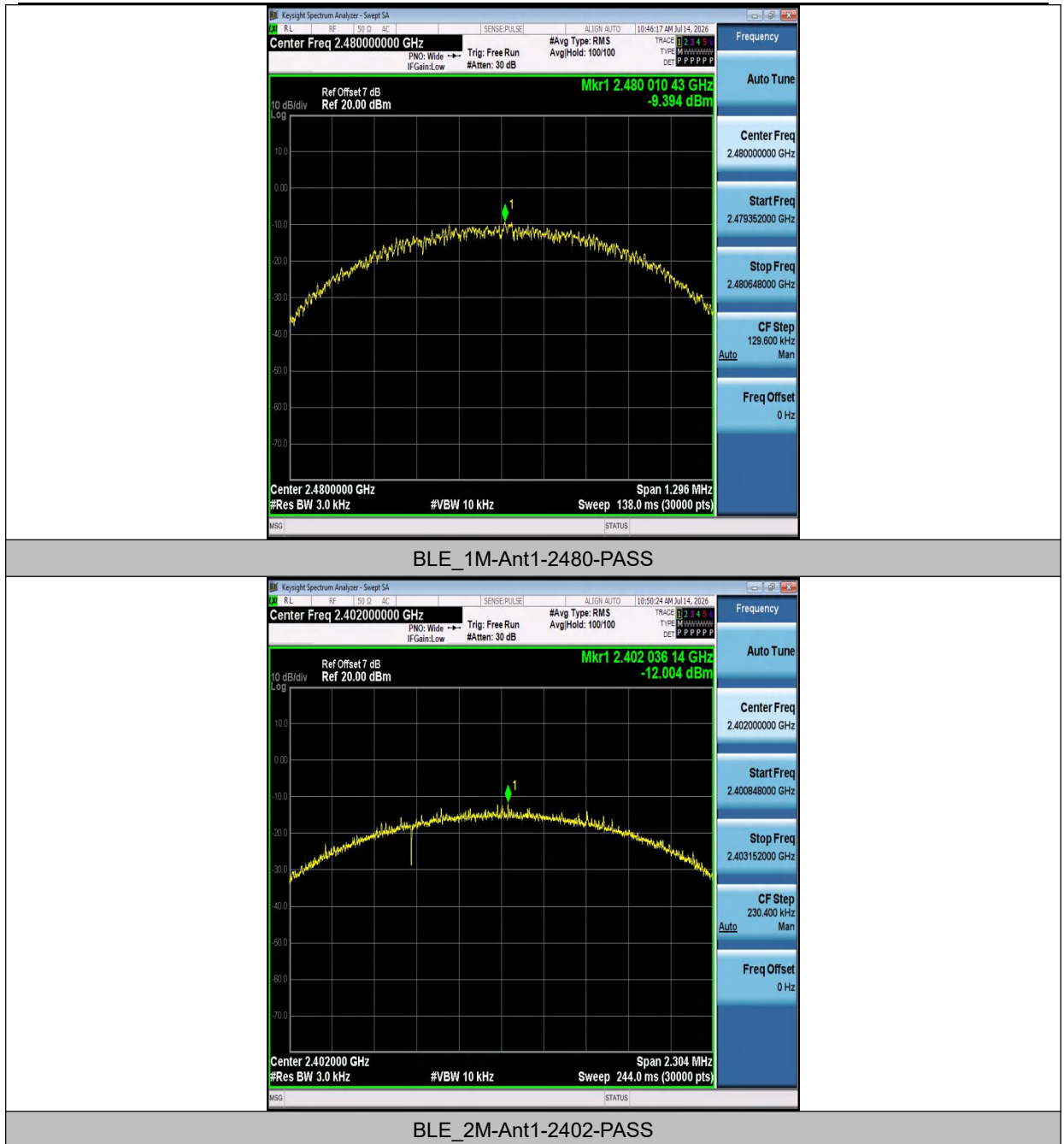
Test Graphs



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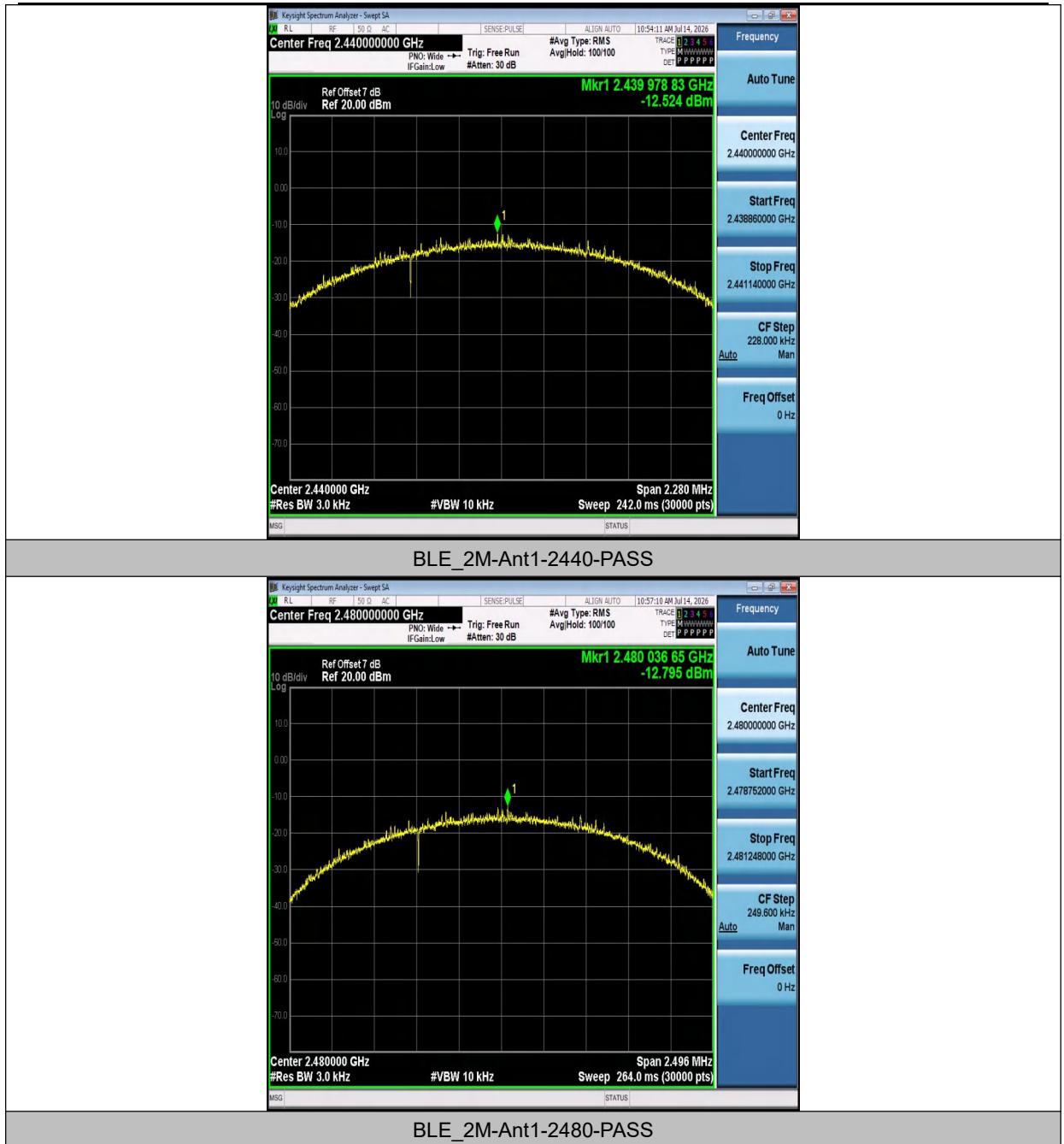
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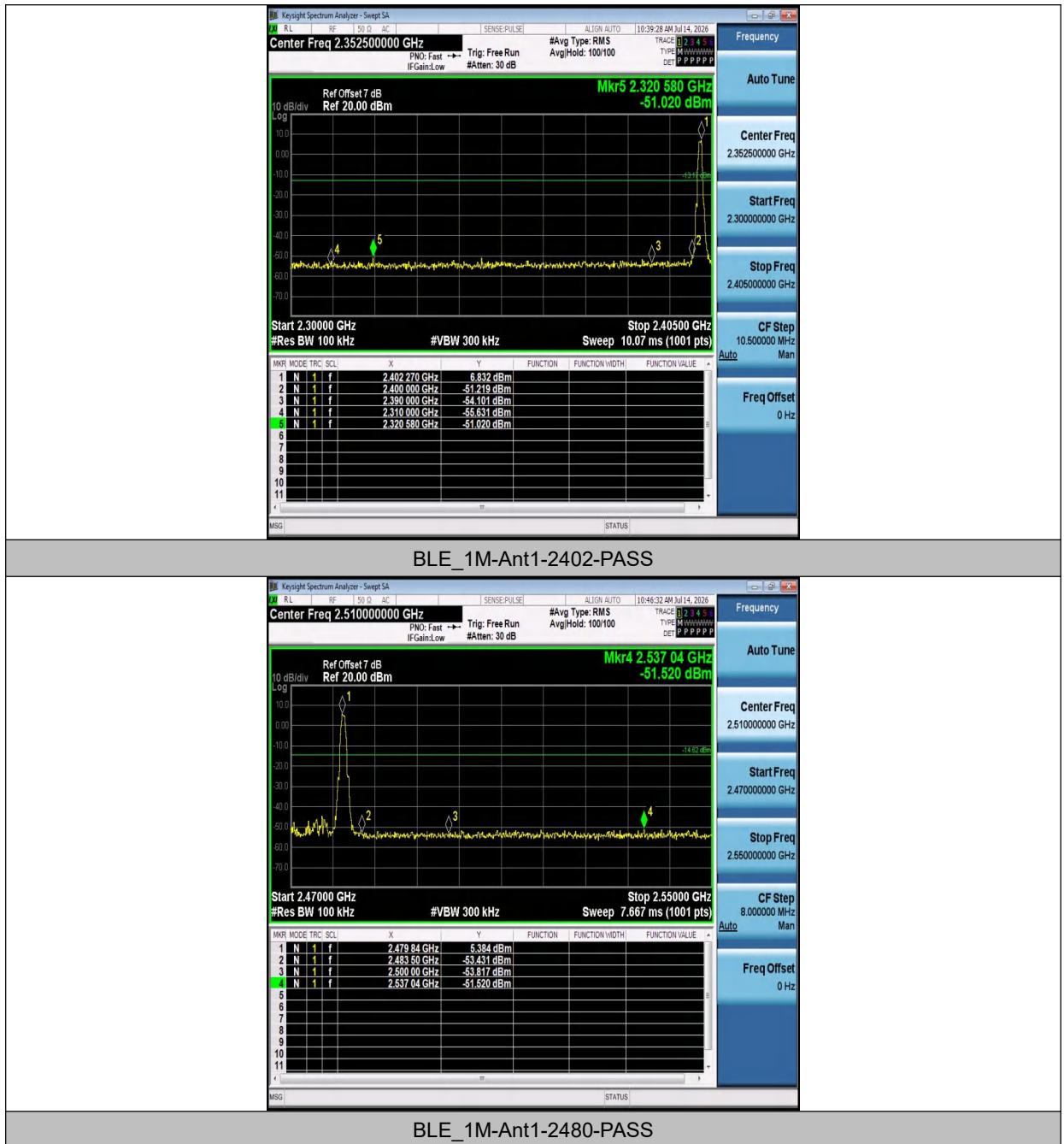
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.83	-51.02	≤-13.17	PASS
BLE_1M	Ant1	High	2480	5.38	-51.52	≤-14.62	PASS
BLE_2M	Ant1	Low	2402	6.09	-27.88	≤-13.91	PASS
BLE_2M	Ant1	High	2480	3.97	-51.58	≤-16.04	PASS

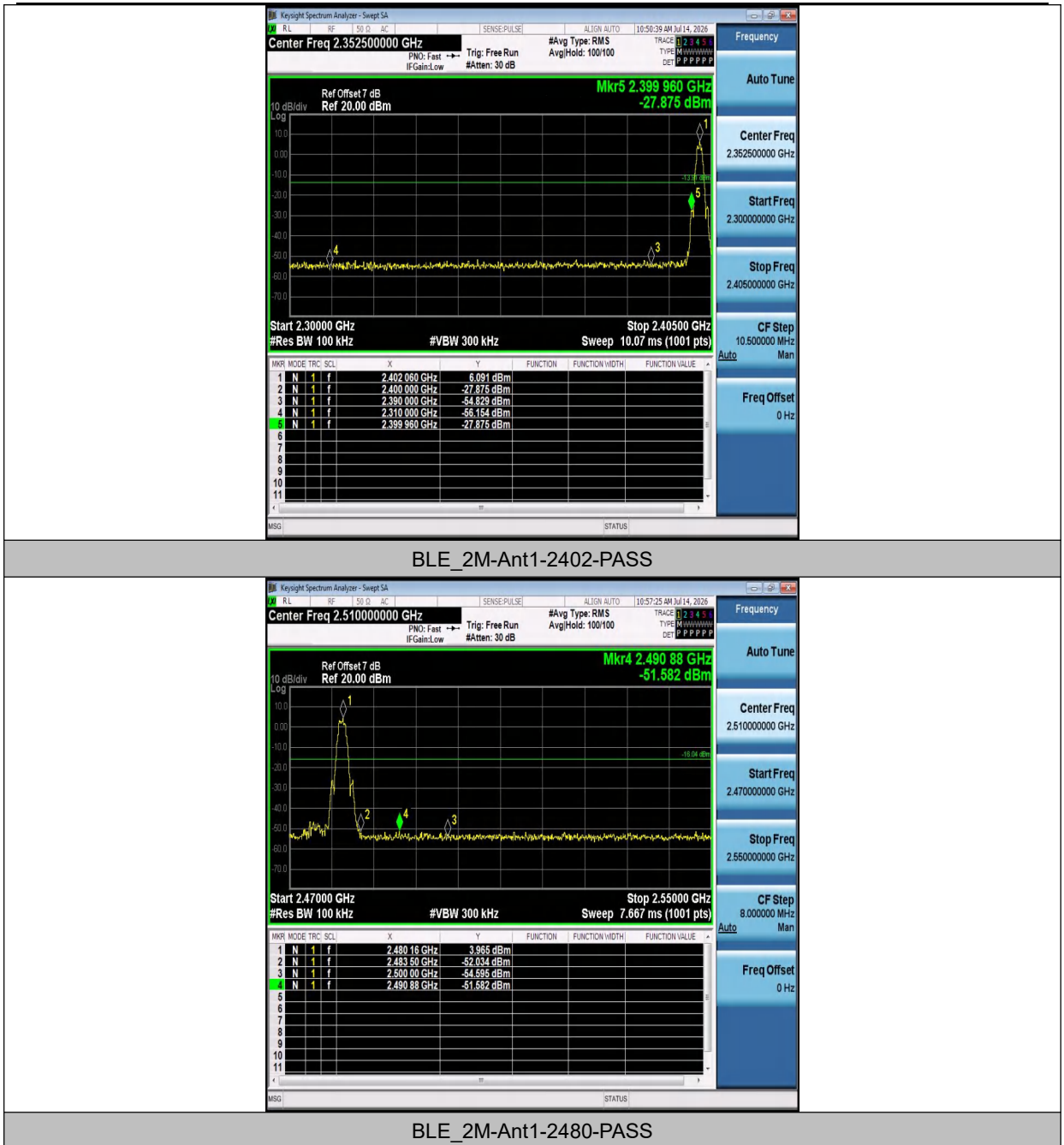
Test Graphs



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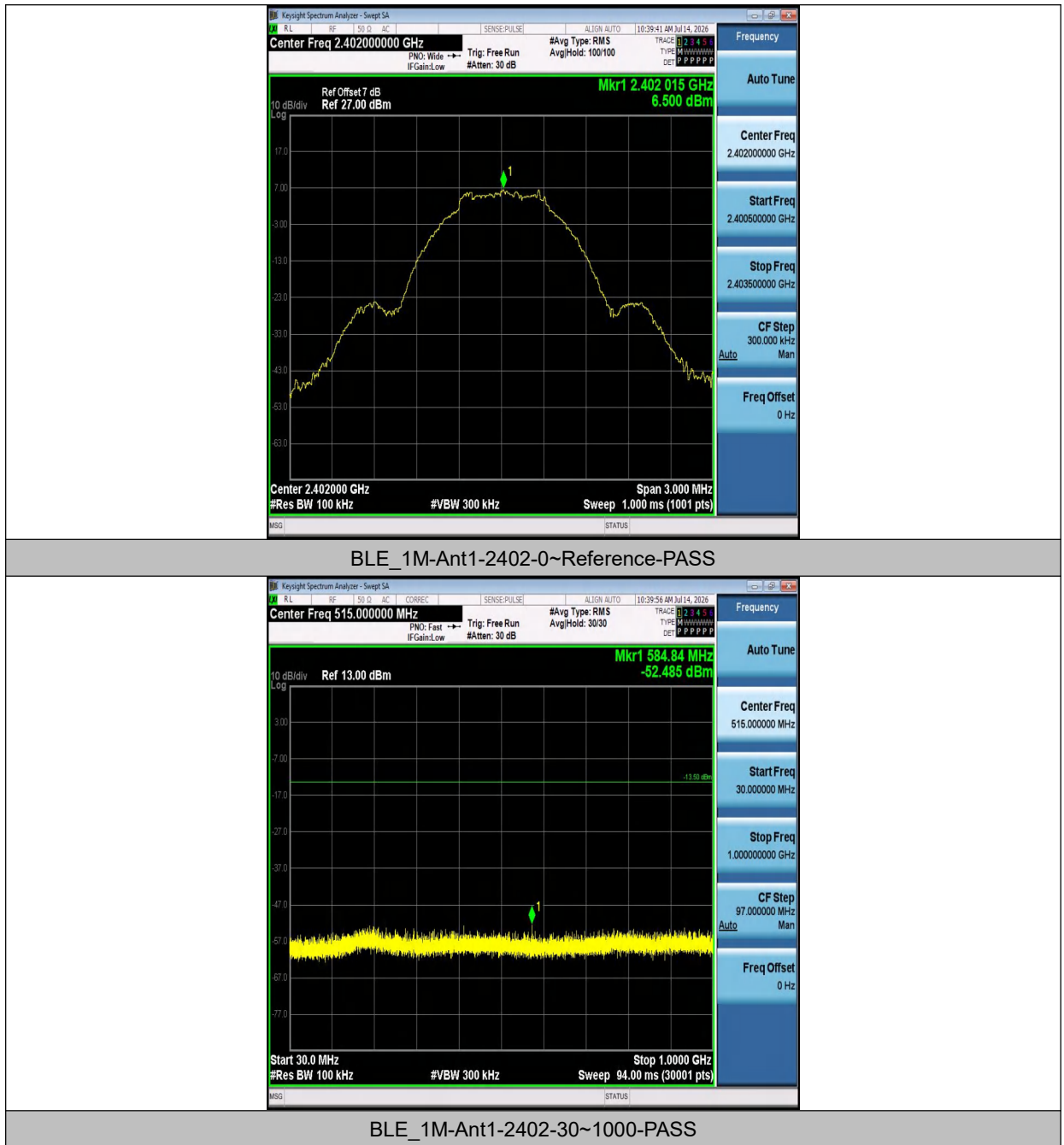
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	6.50	6.50	---	PASS
BLE_1M	Ant1	2402	30~1000	6.50	-52.49	≤-13.5	PASS
BLE_1M	Ant1	2402	1000~26500	6.50	-37.29	≤-13.5	PASS
BLE_1M	Ant1	2440	0~Reference	6.04	6.04	---	PASS
BLE_1M	Ant1	2440	30~1000	6.04	-52.16	≤-13.96	PASS
BLE_1M	Ant1	2440	1000~26500	6.04	-36.61	≤-13.96	PASS
BLE_1M	Ant1	2480	0~Reference	5.52	5.52	---	PASS
BLE_1M	Ant1	2480	30~1000	5.52	-52.26	≤-14.48	PASS
BLE_1M	Ant1	2480	1000~26500	5.52	-37.18	≤-14.48	PASS
BLE_2M	Ant1	2402	0~Reference	5.29	5.29	---	PASS
BLE_2M	Ant1	2402	30~1000	5.29	-52.13	≤-14.71	PASS
BLE_2M	Ant1	2402	1000~26500	5.29	-37.14	≤-14.71	PASS
BLE_2M	Ant1	2440	0~Reference	4.45	4.45	---	PASS
BLE_2M	Ant1	2440	30~1000	4.45	-52.29	≤-15.55	PASS
BLE_2M	Ant1	2440	1000~26500	4.45	-37.46	≤-15.55	PASS
BLE_2M	Ant1	2480	0~Reference	5.55	5.55	---	PASS
BLE_2M	Ant1	2480	30~1000	5.55	-52.53	≤-14.45	PASS
BLE_2M	Ant1	2480	1000~26500	5.55	-37.24	≤-14.45	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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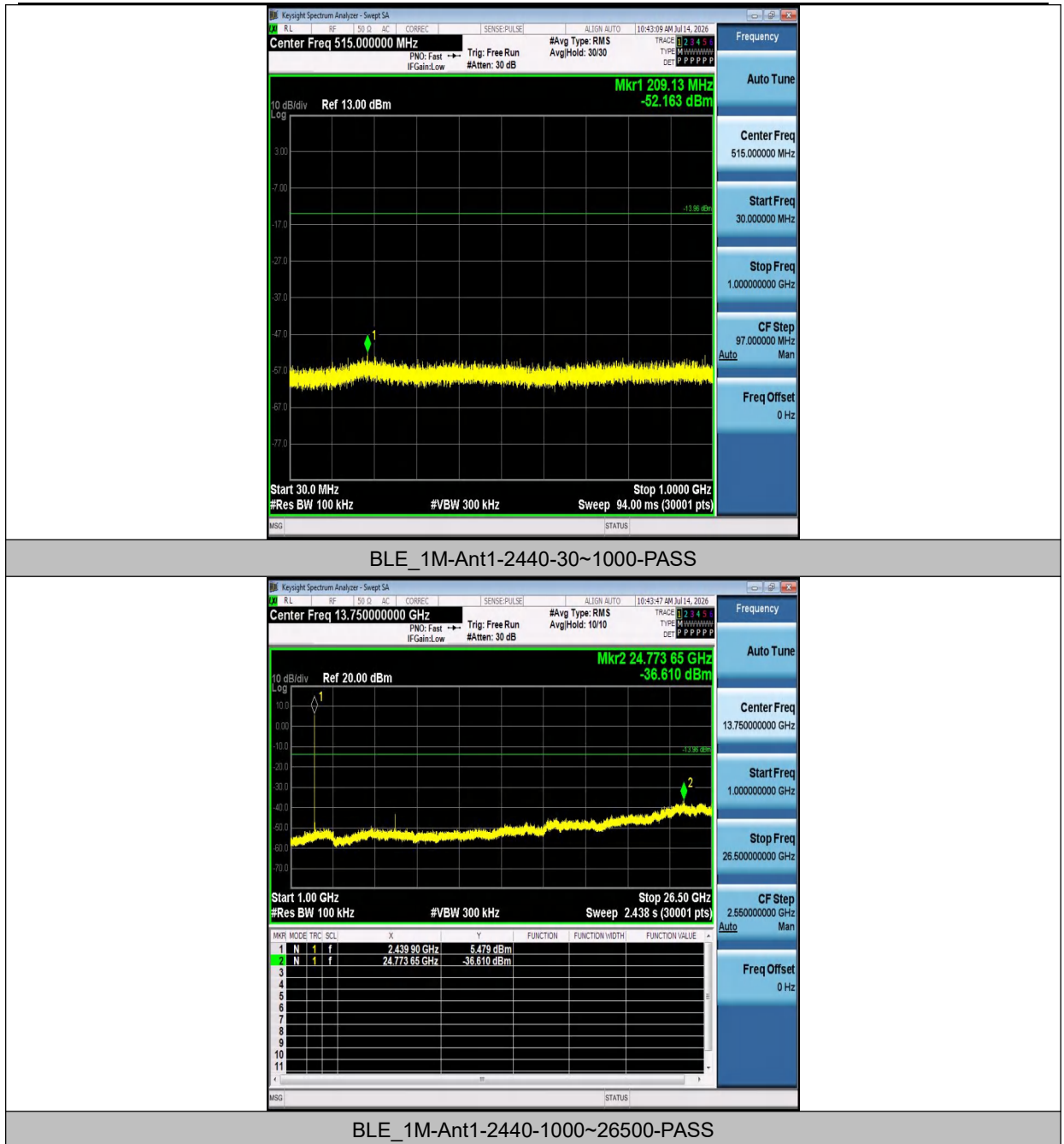
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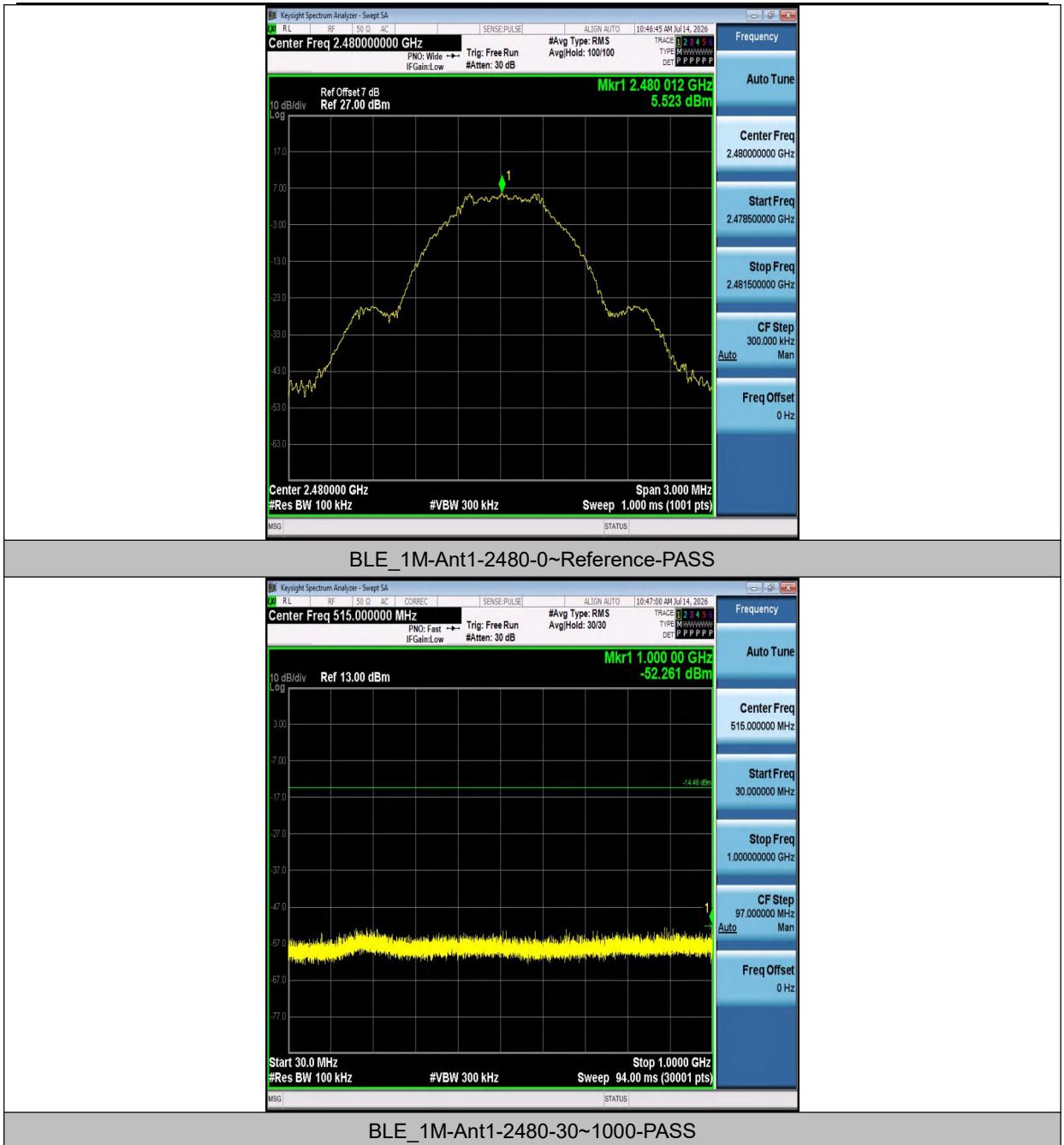
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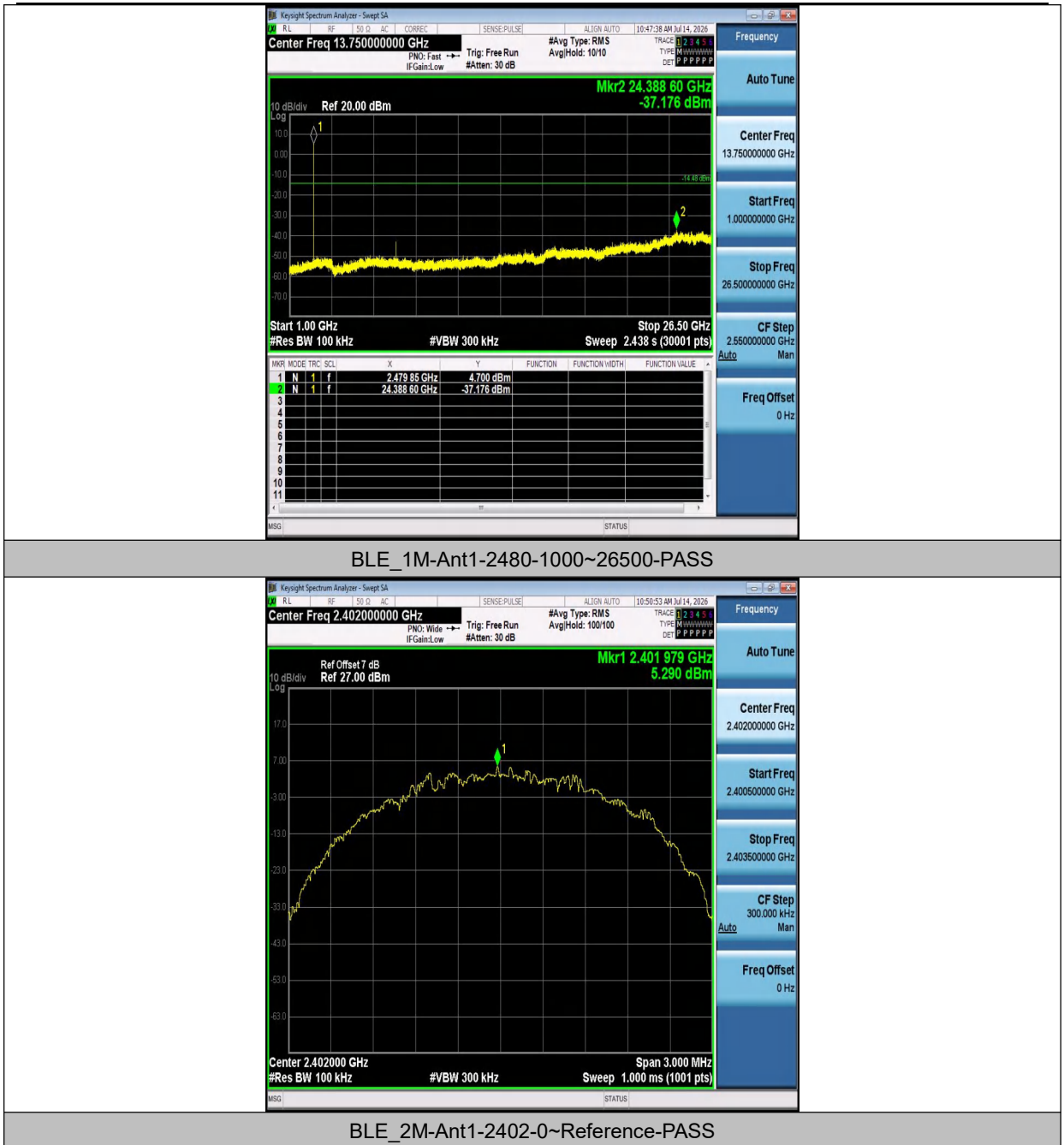
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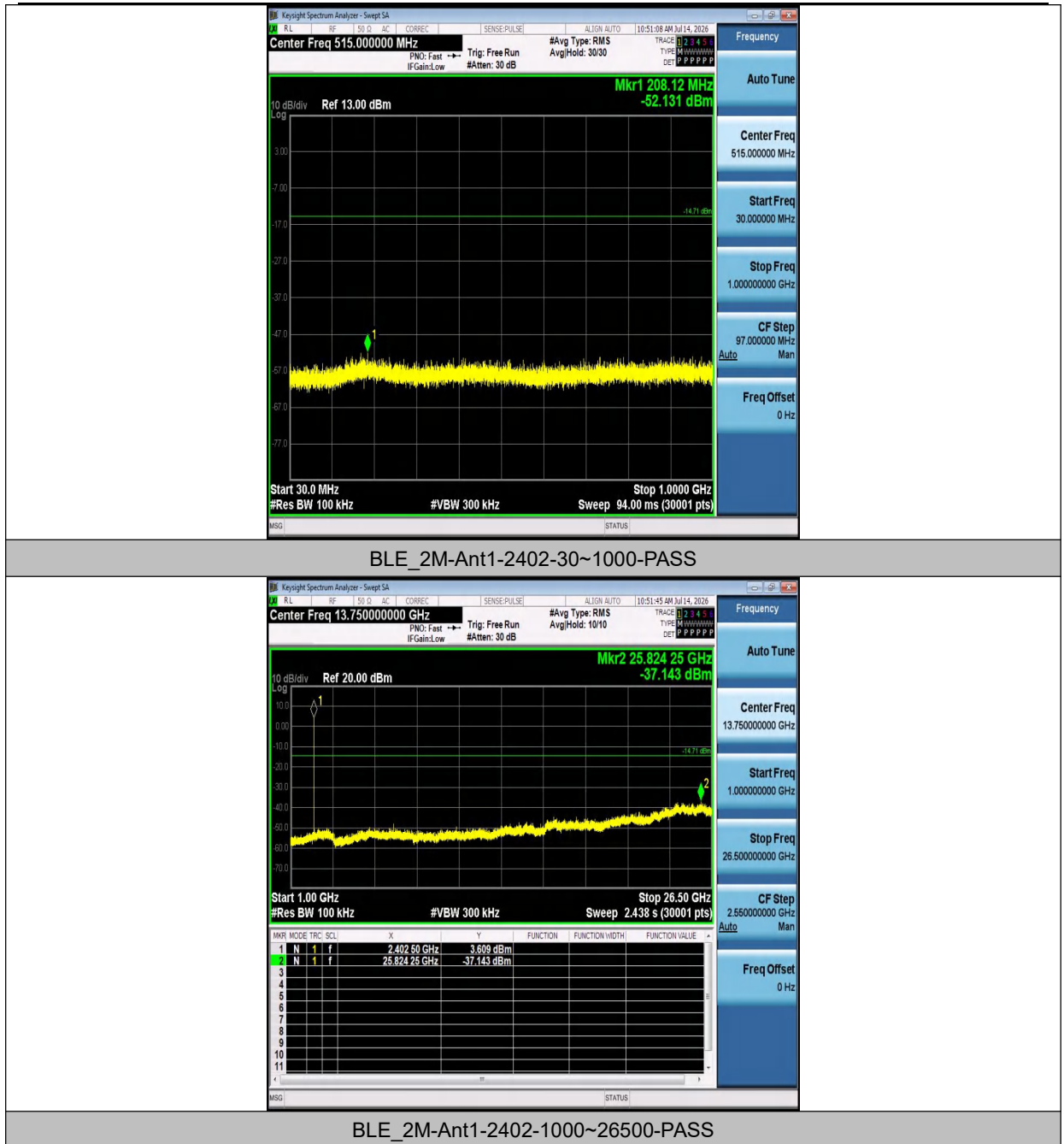
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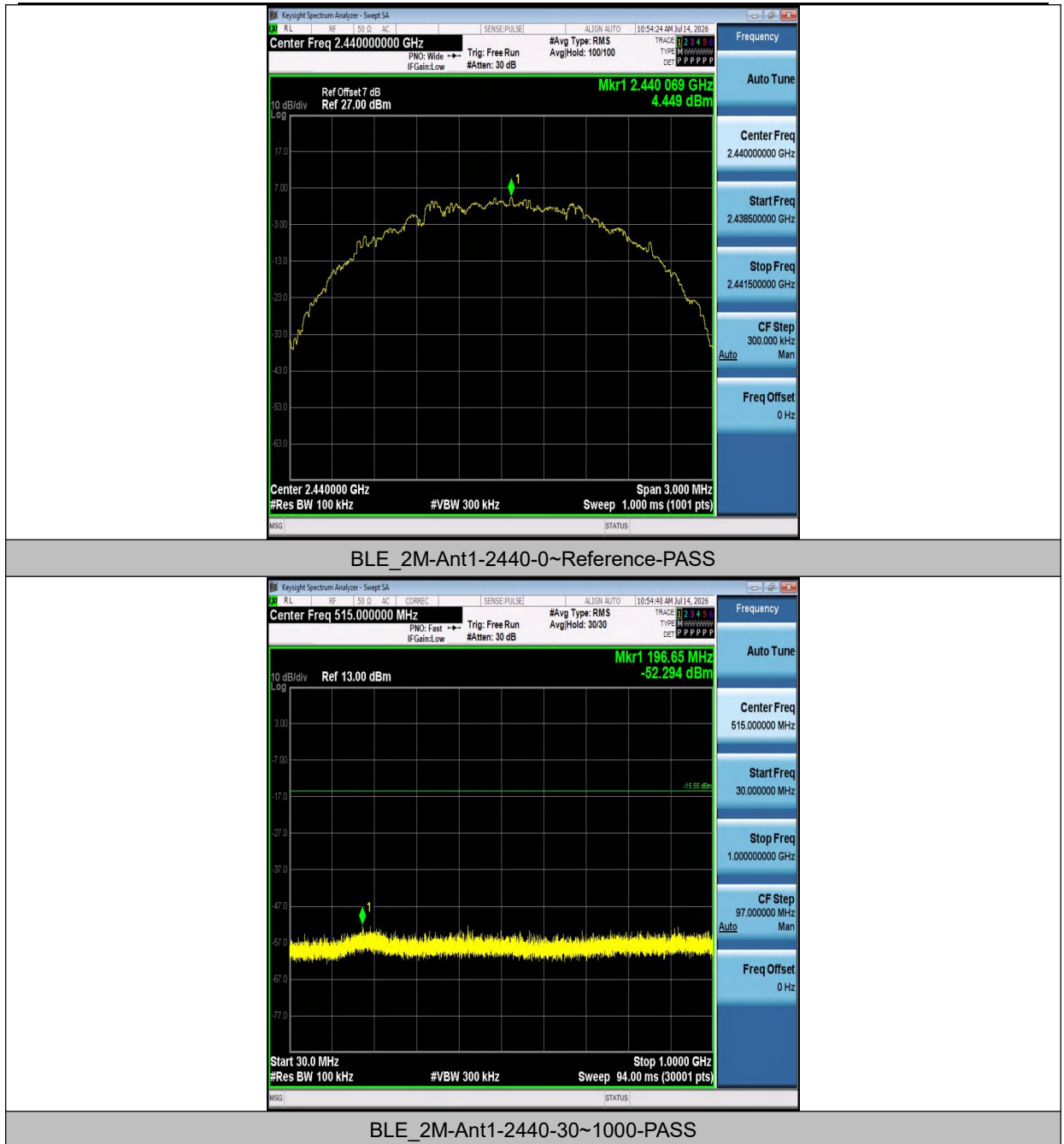
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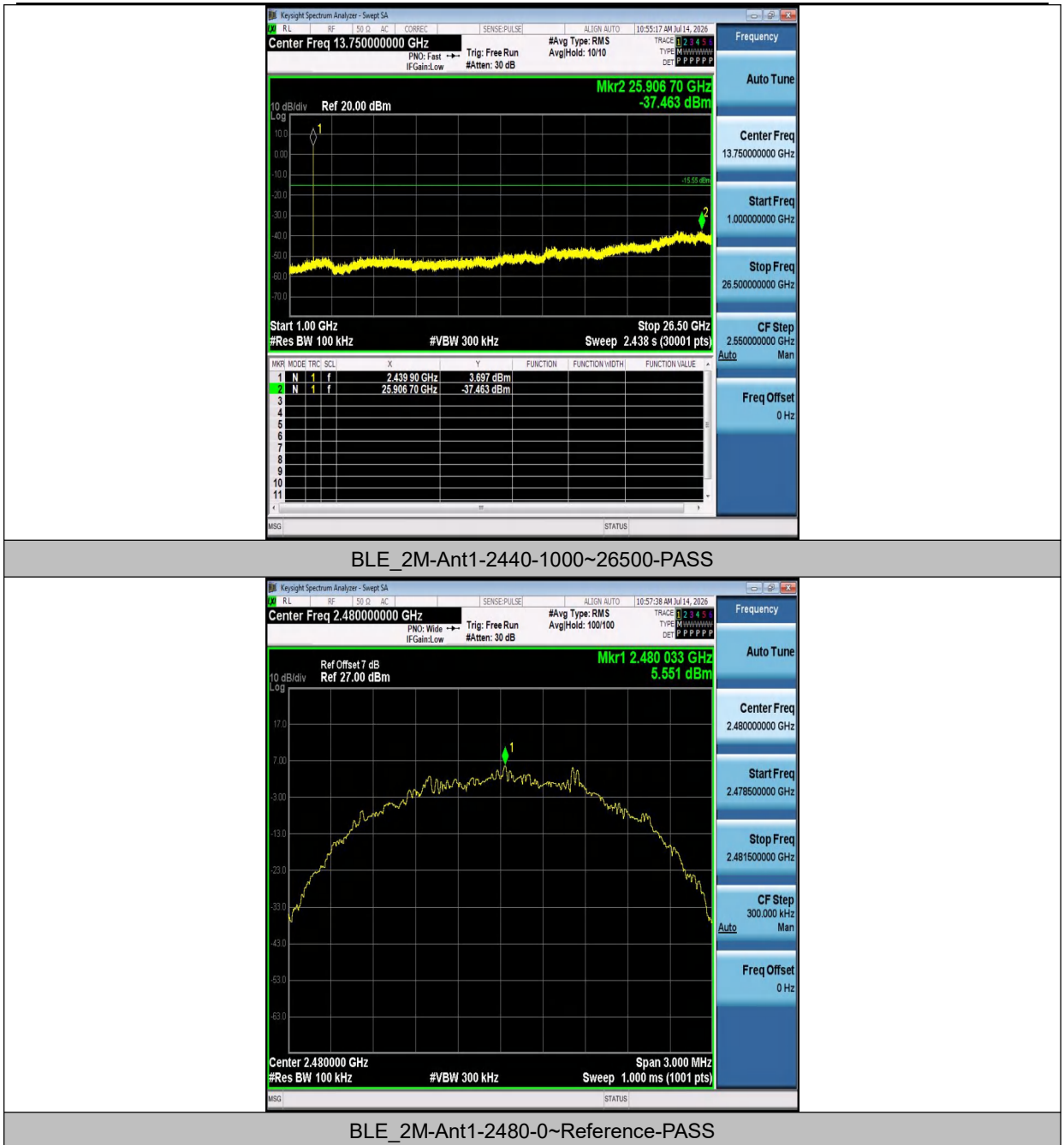
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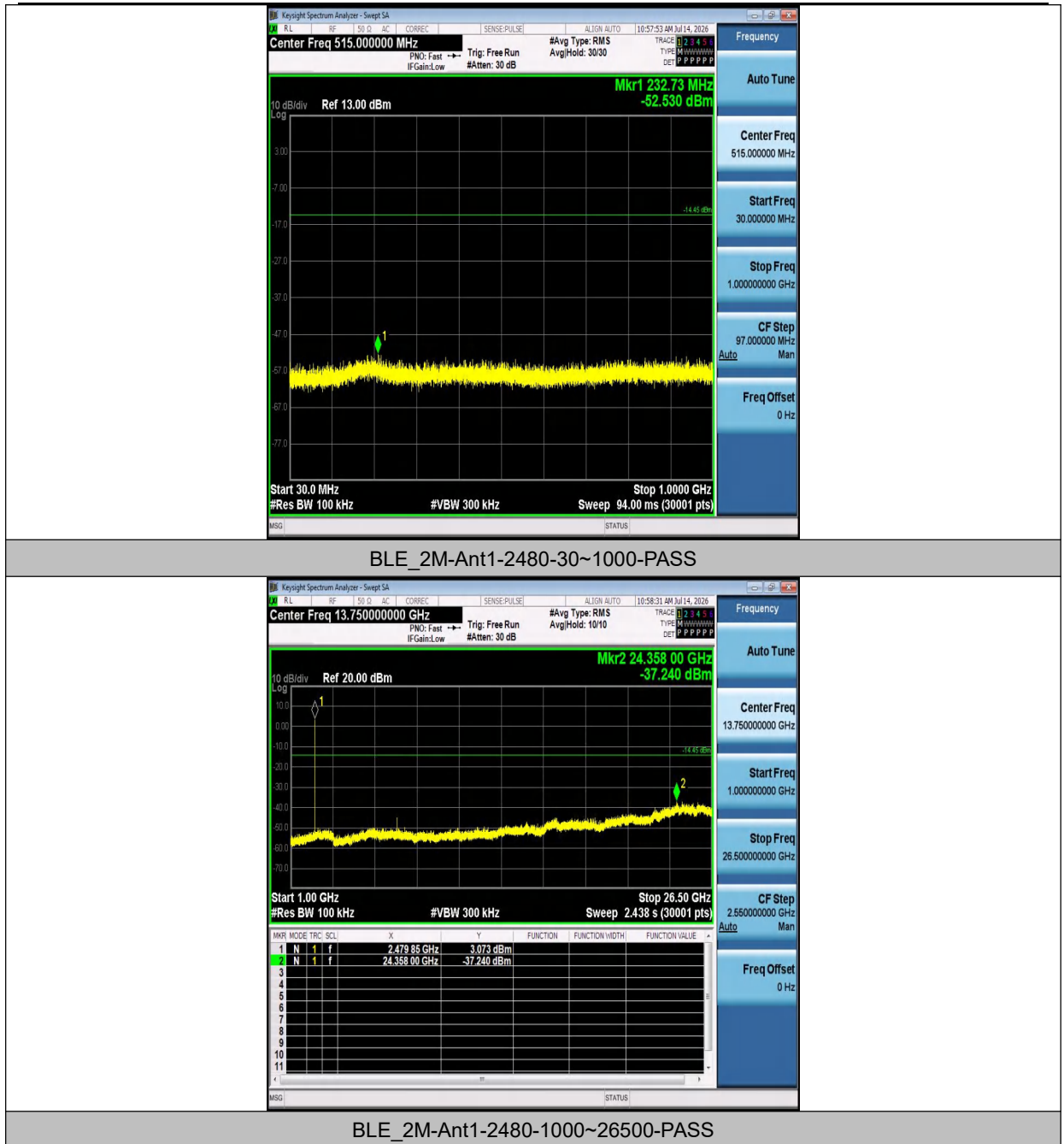
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Appendix G: Duty Cycle

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	1.88	57.45	2.41
BLE_2M	Ant1	2440	1.08	1.88	57.45	2.41
BLE_2M	Ant1	2480	1.06	1.87	56.68	2.47

Test Graphs

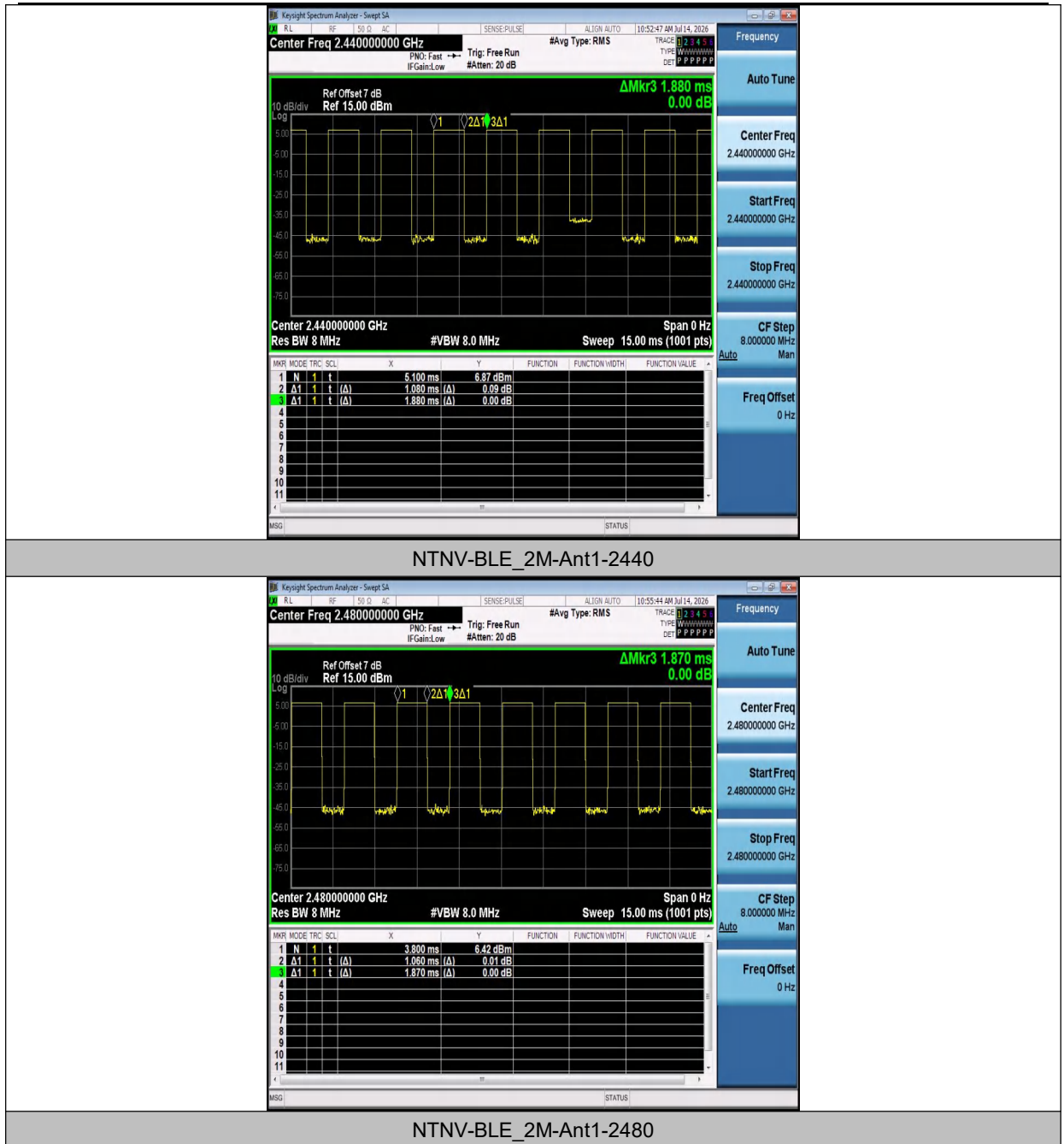




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