

Appendix Test Data

Report No.:	1812C60437412502-01	Test Sample No.:	1-3-2
Start Test Date:	2026-8-10	Finish Test Date:	2026-8-20
Test Engineer:	<i>Pearl Ao</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.5°C	Relative Humidity:	51%
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	0.696	2401.636	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.692	2439.640	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.688	2479.628	2480.316	0.5	PASS
BLE_2M	Ant1	2402	1.356	2401.308	2402.664	0.5	PASS
BLE_2M	Ant1	2440	1.236	2439.348	2440.584	0.5	PASS
BLE_2M	Ant1	2480	1.296	2479.316	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	1.0423	2401.4739	2402.5162	---	---
BLE_1M	Ant1	2440	1.0431	2439.4733	2440.5164	---	---
BLE_1M	Ant1	2480	1.0486	2479.4695	2480.5181	---	---
BLE_2M	Ant1	2402	2.0865	2400.9612	2403.0477	---	---
BLE_2M	Ant1	2440	2.0680	2438.9643	2441.0323	---	---
BLE_2M	Ant1	2480	2.0744	2478.9651	2481.0395	---	---

Test Graphs



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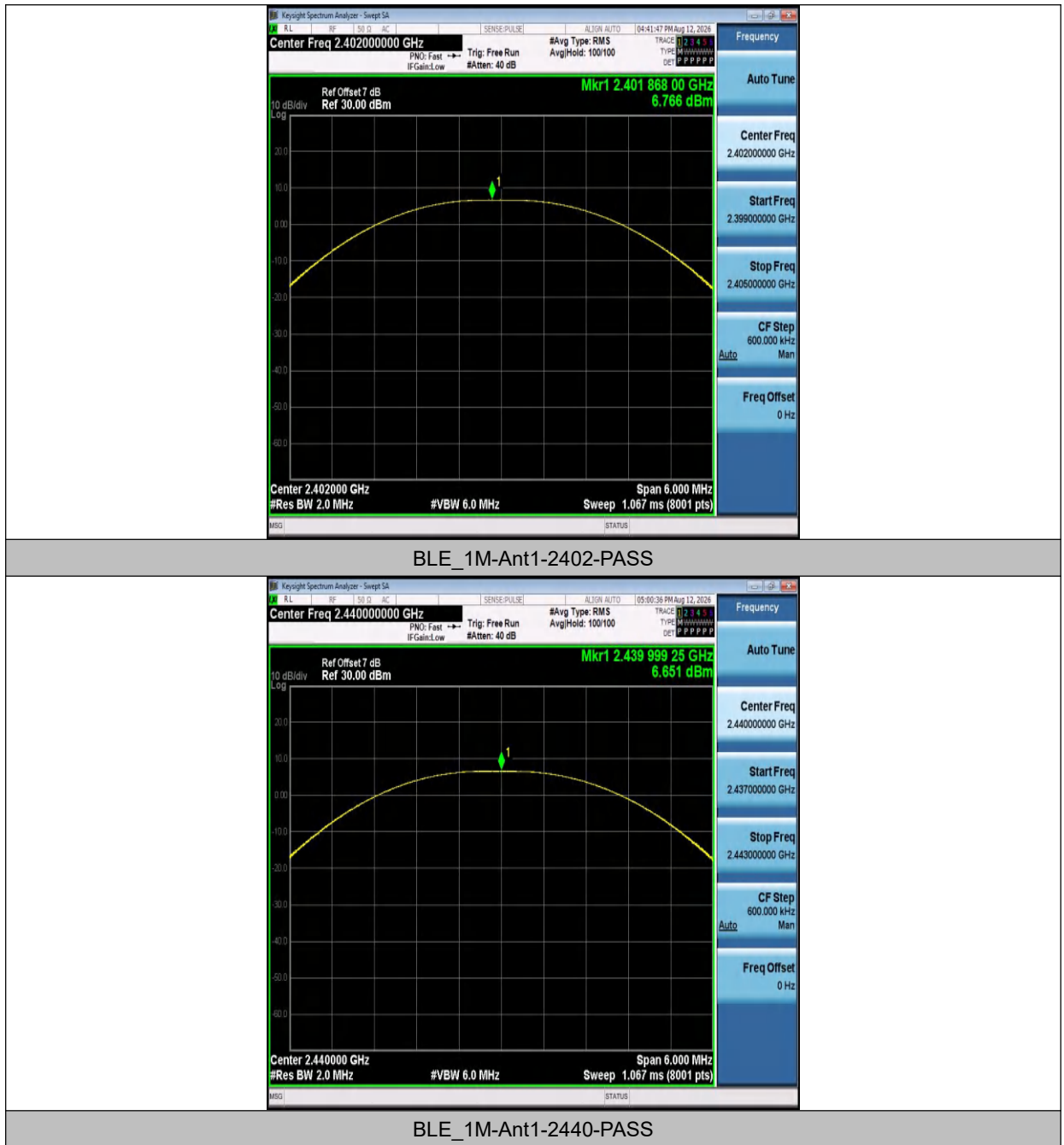
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.77	≤30	PASS
BLE_1M	Ant1	2440	6.65	≤30	PASS
BLE_1M	Ant1	2480	6.68	≤30	PASS
BLE_2M	Ant1	2402	6.80	≤30	PASS
BLE_2M	Ant1	2440	6.69	≤30	PASS
BLE_2M	Ant1	2480	6.63	≤30	PASS

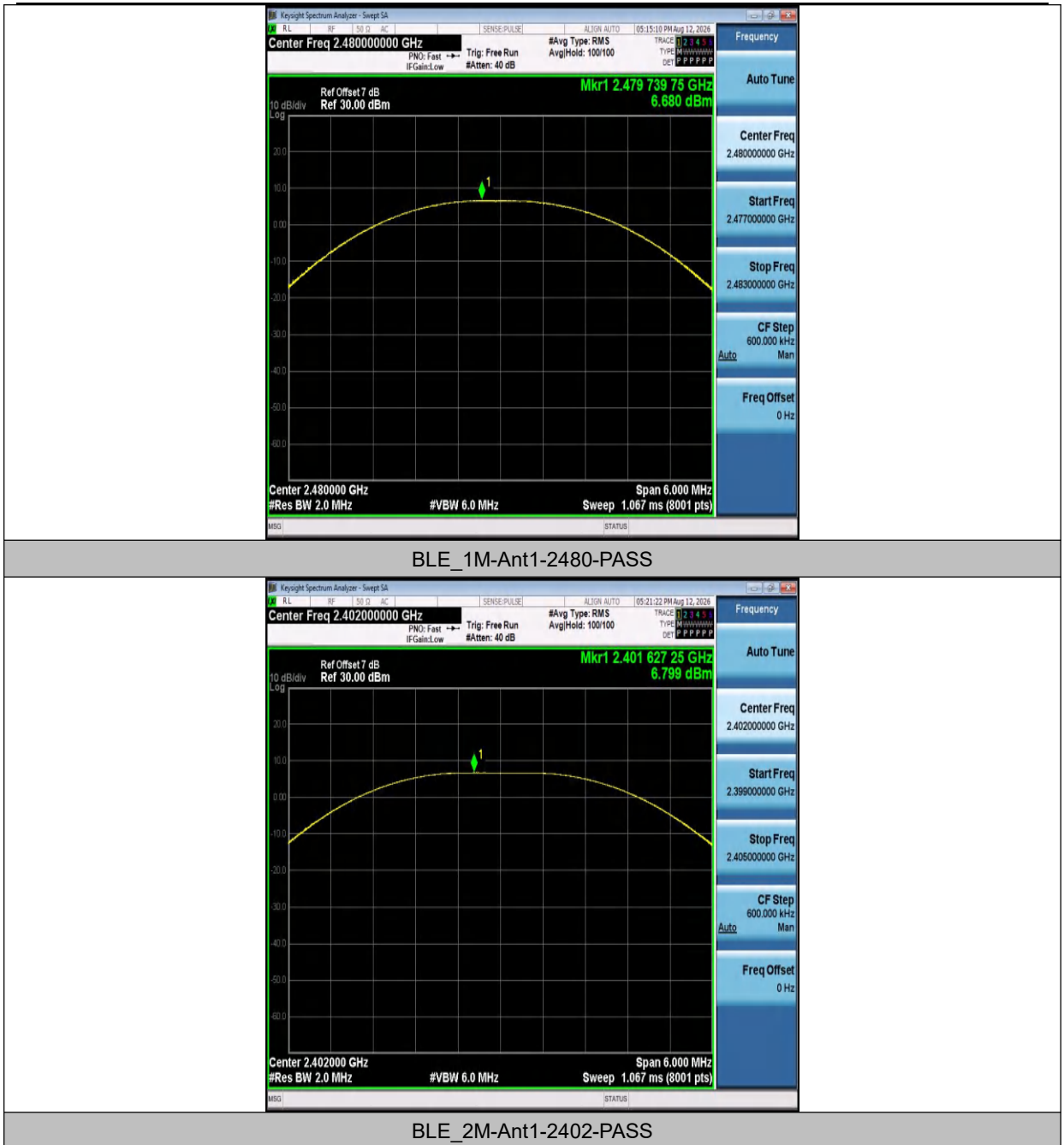
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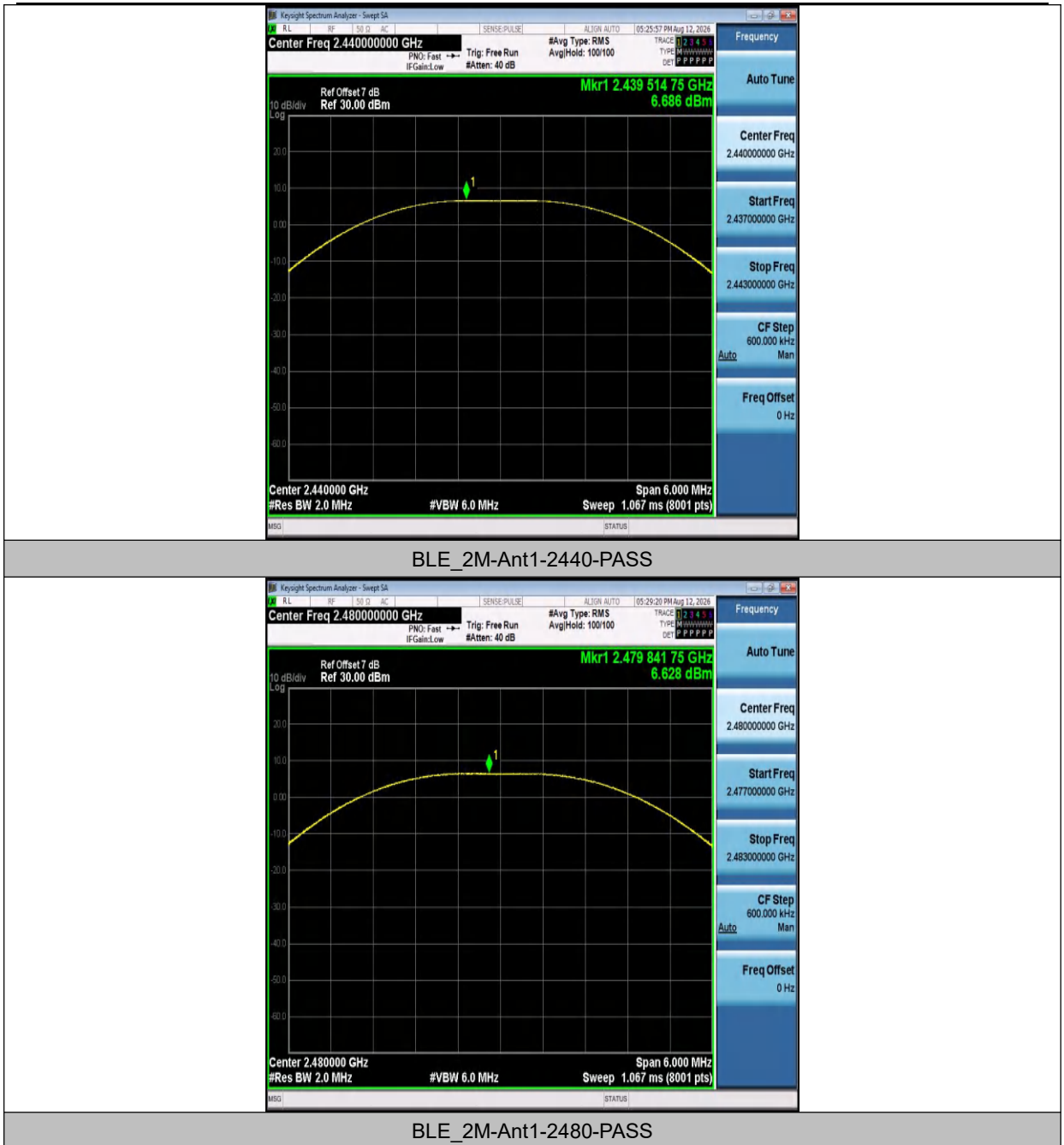
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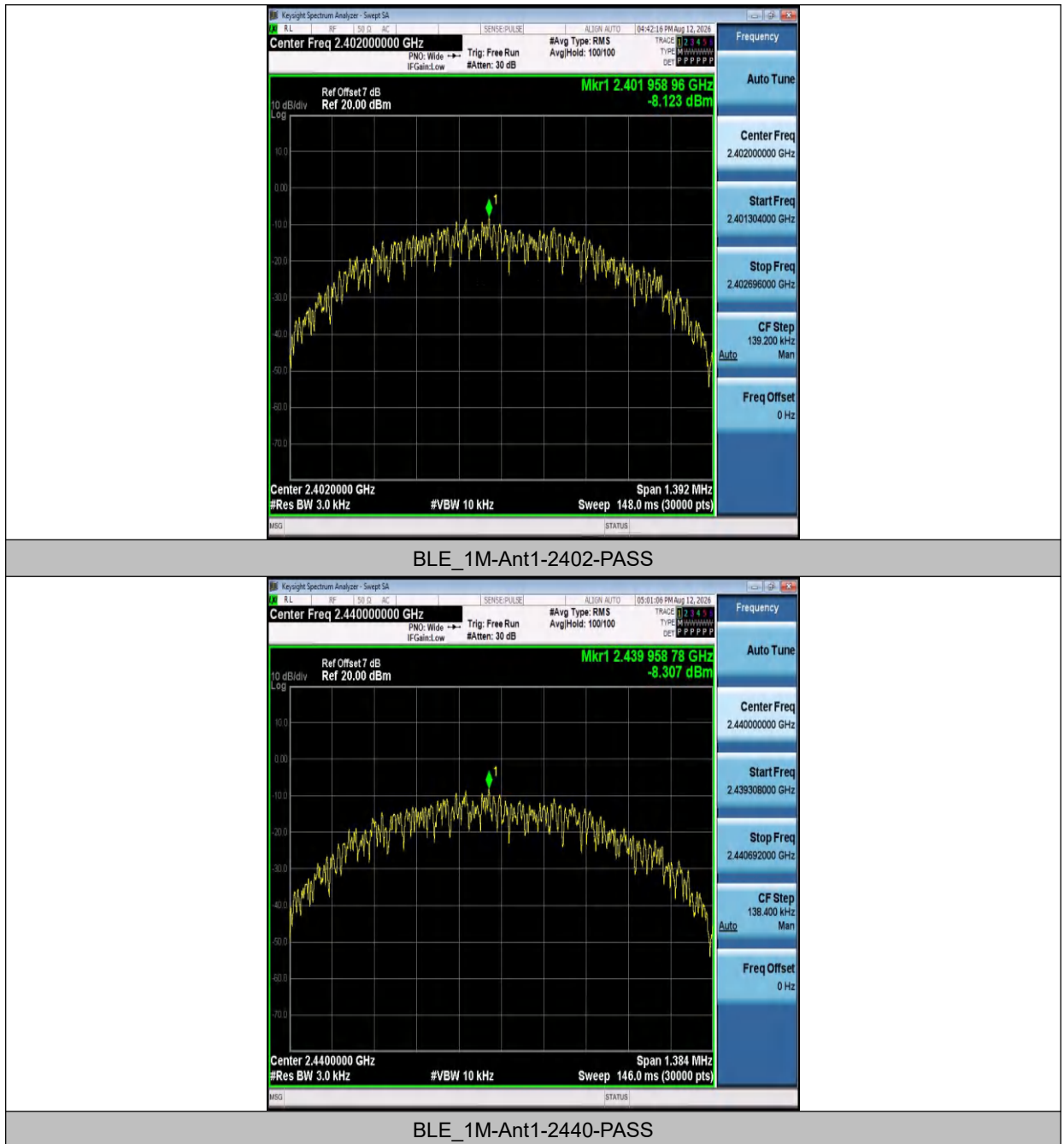
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.12	≤8.00	PASS
BLE_1M	Ant1	2440	-8.31	≤8.00	PASS
BLE_1M	Ant1	2480	-8.33	≤8.00	PASS
BLE_2M	Ant1	2402	-11.76	≤8.00	PASS
BLE_2M	Ant1	2440	-11.95	≤8.00	PASS
BLE_2M	Ant1	2480	-12.13	≤8.00	PASS

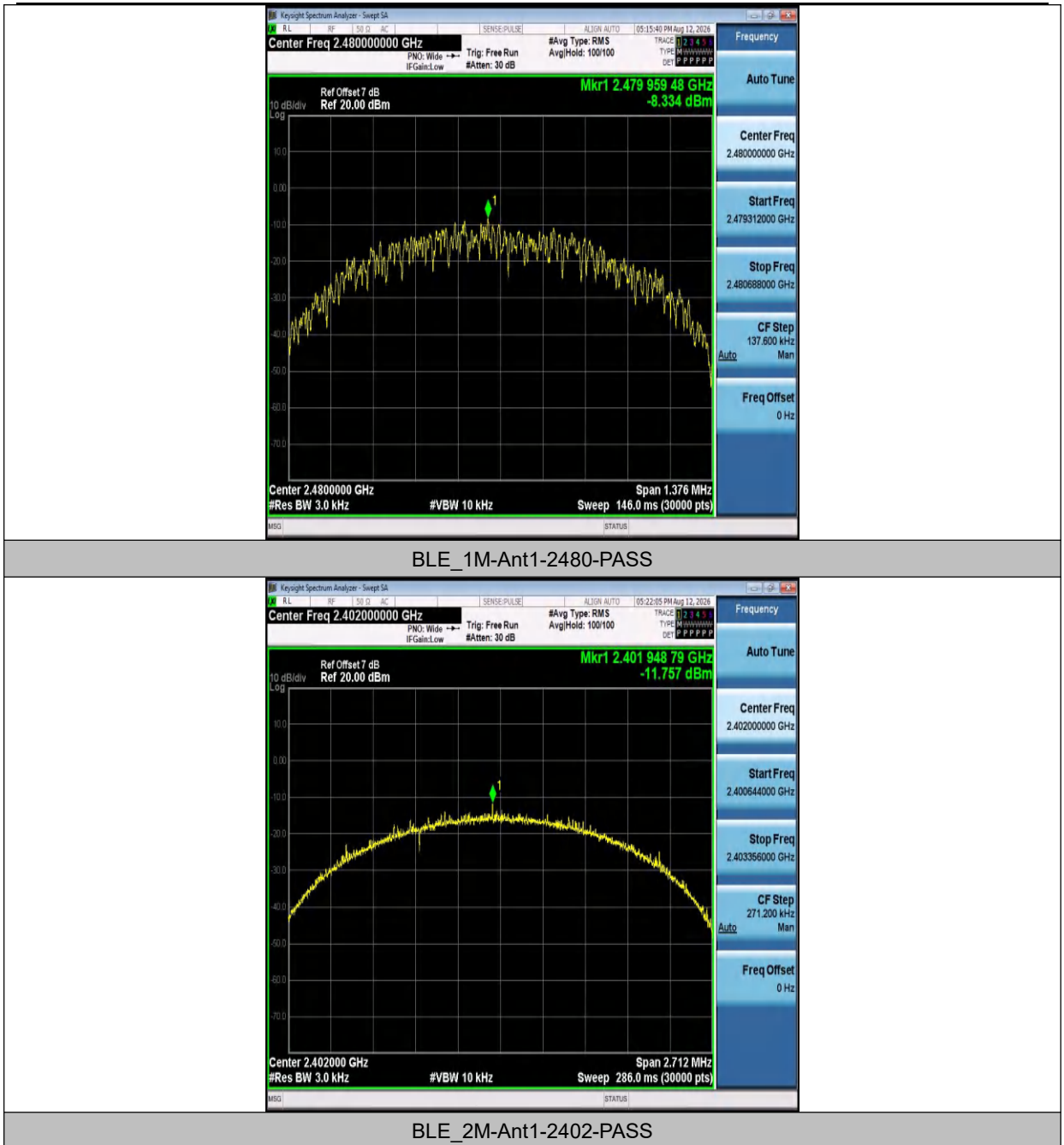
Test Graphs



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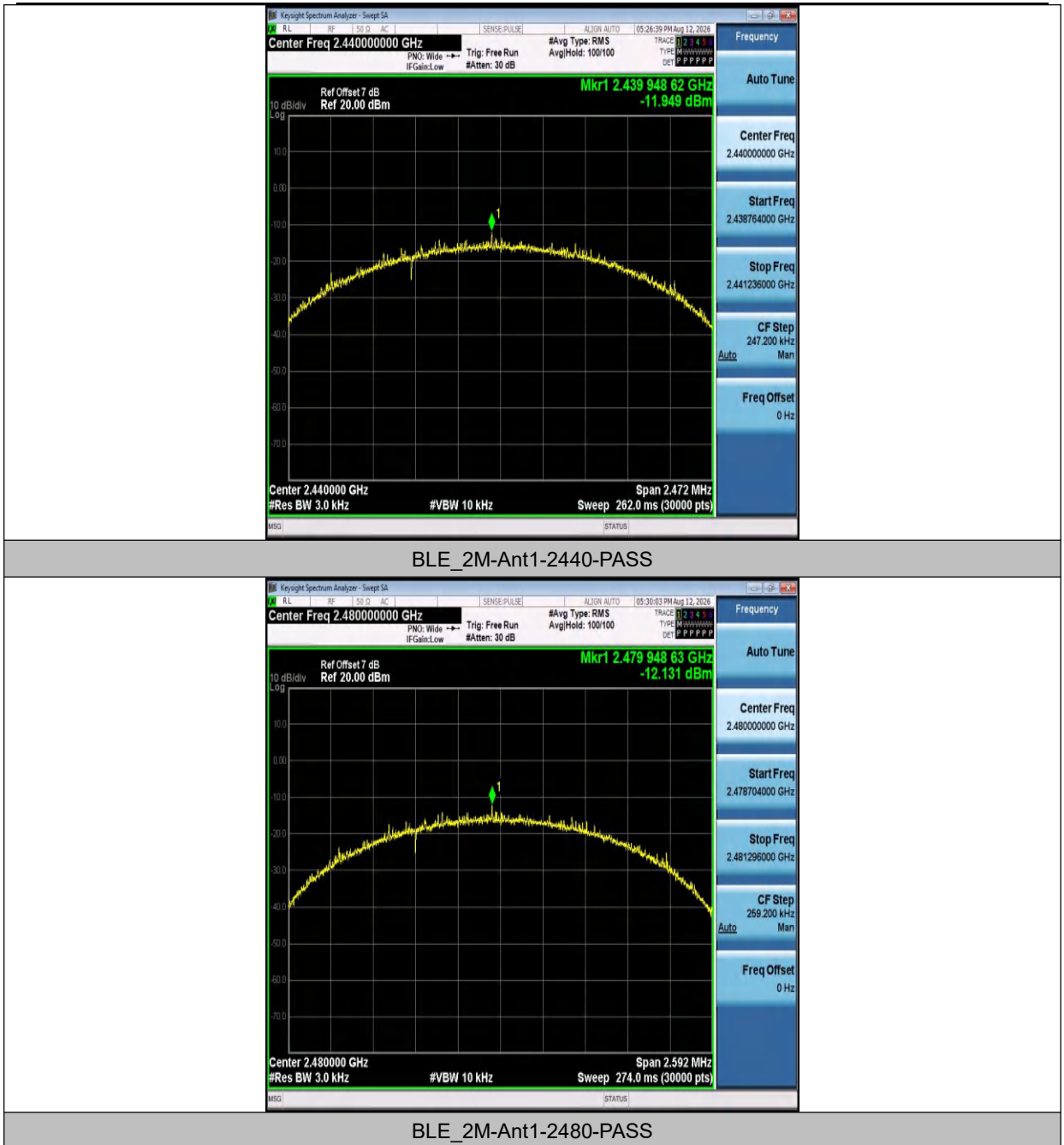
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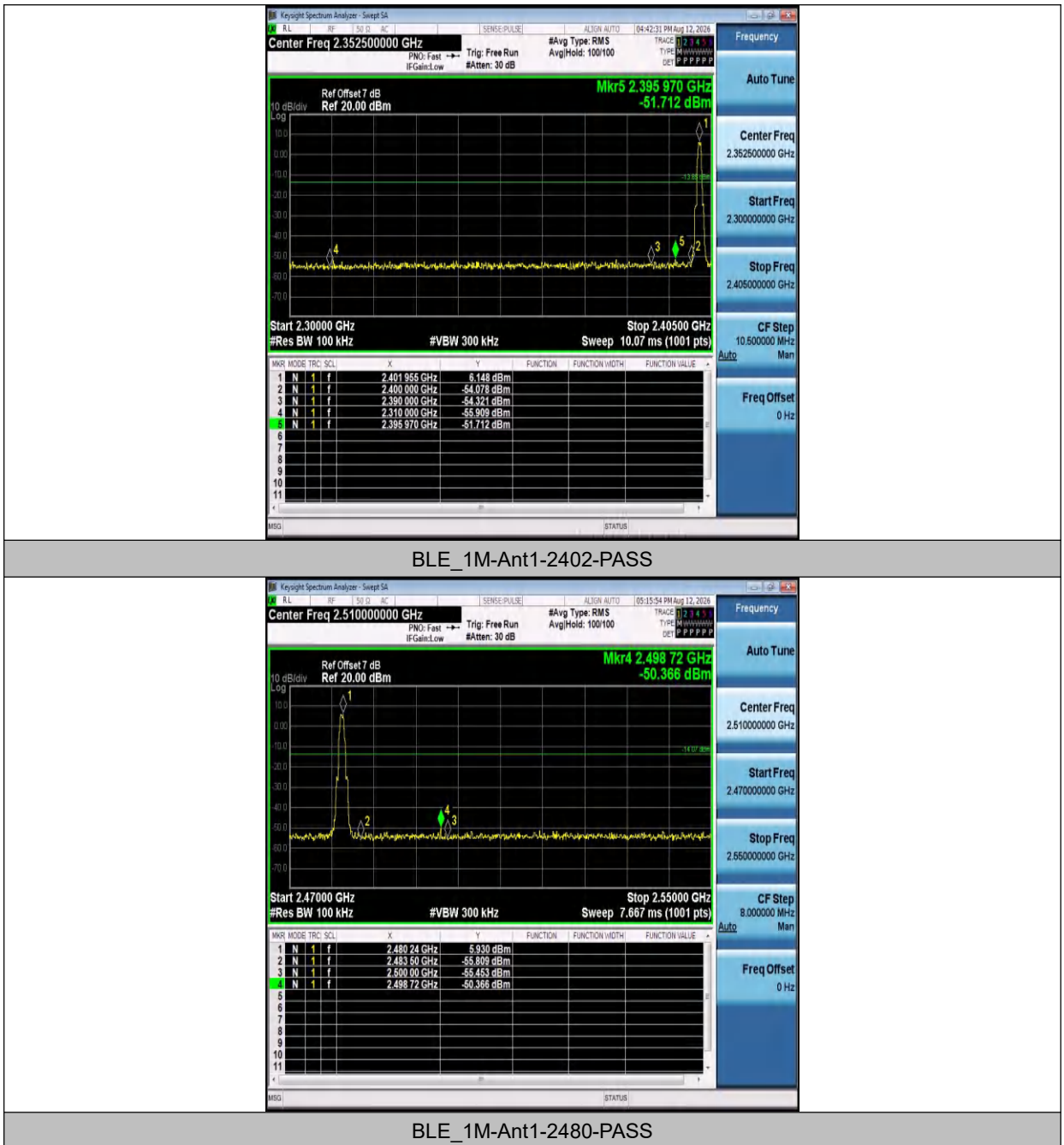
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.15	-51.71	≤-13.85	PASS
BLE_1M	Ant1	High	2480	5.93	-50.37	≤-14.07	PASS
BLE_2M	Ant1	Low	2402	5.73	-26.71	≤-14.27	PASS
BLE_2M	Ant1	High	2480	5.20	-50.78	≤-14.8	PASS

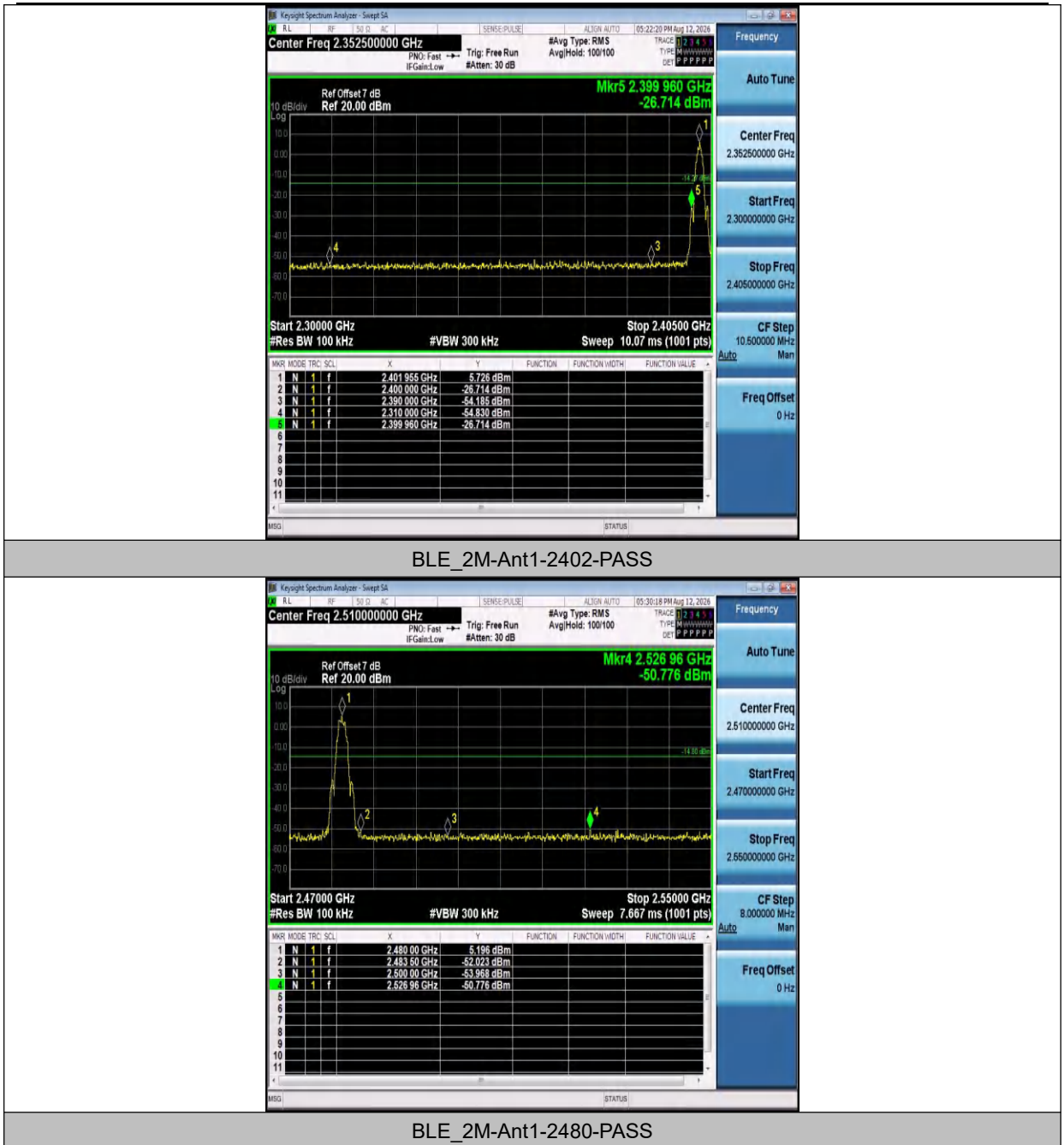
Test Graphs



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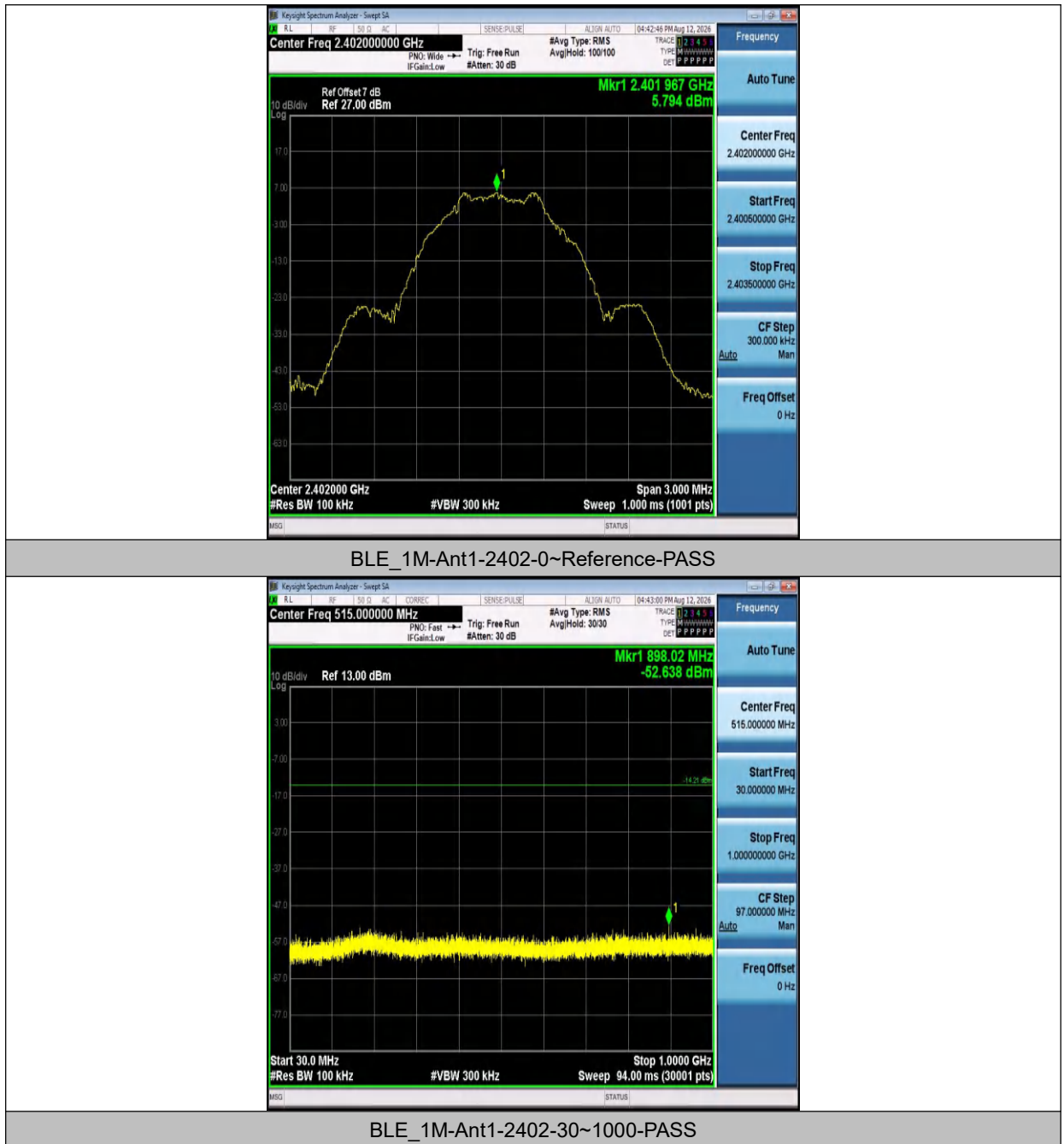
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	5.79	5.79	---	PASS
BLE_1M	Ant1	2402	30~1000	5.79	-52.64	≤-14.21	PASS
BLE_1M	Ant1	2402	1000~26500	5.79	-36.54	≤-14.21	PASS
BLE_1M	Ant1	2440	0~Reference	5.64	5.64	---	PASS
BLE_1M	Ant1	2440	30~1000	5.64	-52.77	≤-14.36	PASS
BLE_1M	Ant1	2440	1000~26500	5.64	-38.27	≤-14.36	PASS
BLE_1M	Ant1	2480	0~Reference	5.58	5.58	---	PASS
BLE_1M	Ant1	2480	30~1000	5.58	-52.89	≤-14.42	PASS
BLE_1M	Ant1	2480	1000~26500	5.58	-38.02	≤-14.42	PASS
BLE_2M	Ant1	2402	0~Reference	5.21	5.21	---	PASS
BLE_2M	Ant1	2402	30~1000	5.21	-52.86	≤-14.79	PASS
BLE_2M	Ant1	2402	1000~26500	5.21	-37.49	≤-14.79	PASS
BLE_2M	Ant1	2440	0~Reference	5.55	5.55	---	PASS
BLE_2M	Ant1	2440	30~1000	5.55	-52.94	≤-14.45	PASS
BLE_2M	Ant1	2440	1000~26500	5.55	-37.52	≤-14.45	PASS
BLE_2M	Ant1	2480	0~Reference	5.44	5.44	---	PASS
BLE_2M	Ant1	2480	30~1000	5.44	-52.57	≤-14.56	PASS
BLE_2M	Ant1	2480	1000~26500	5.44	-38.25	≤-14.56	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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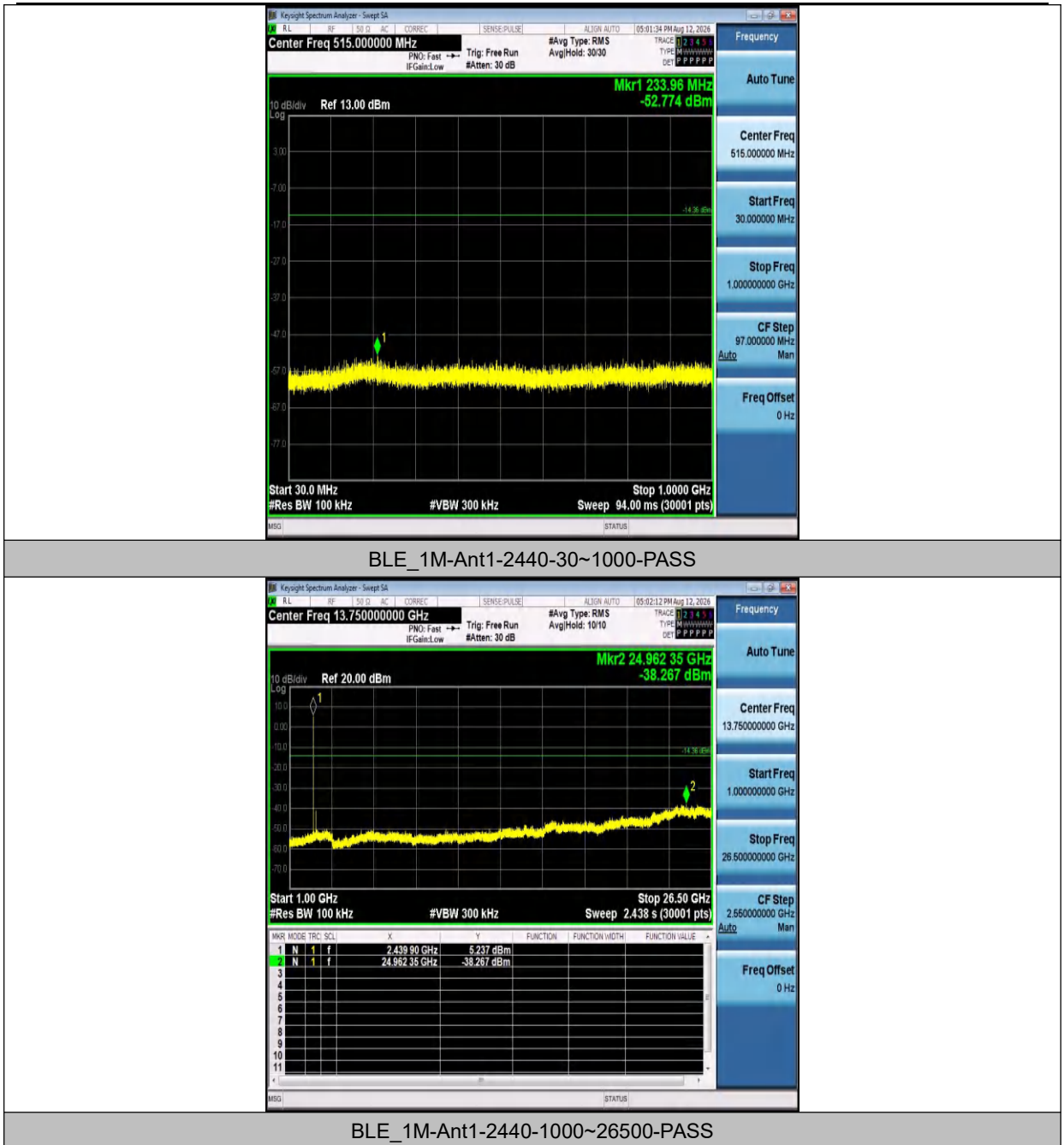
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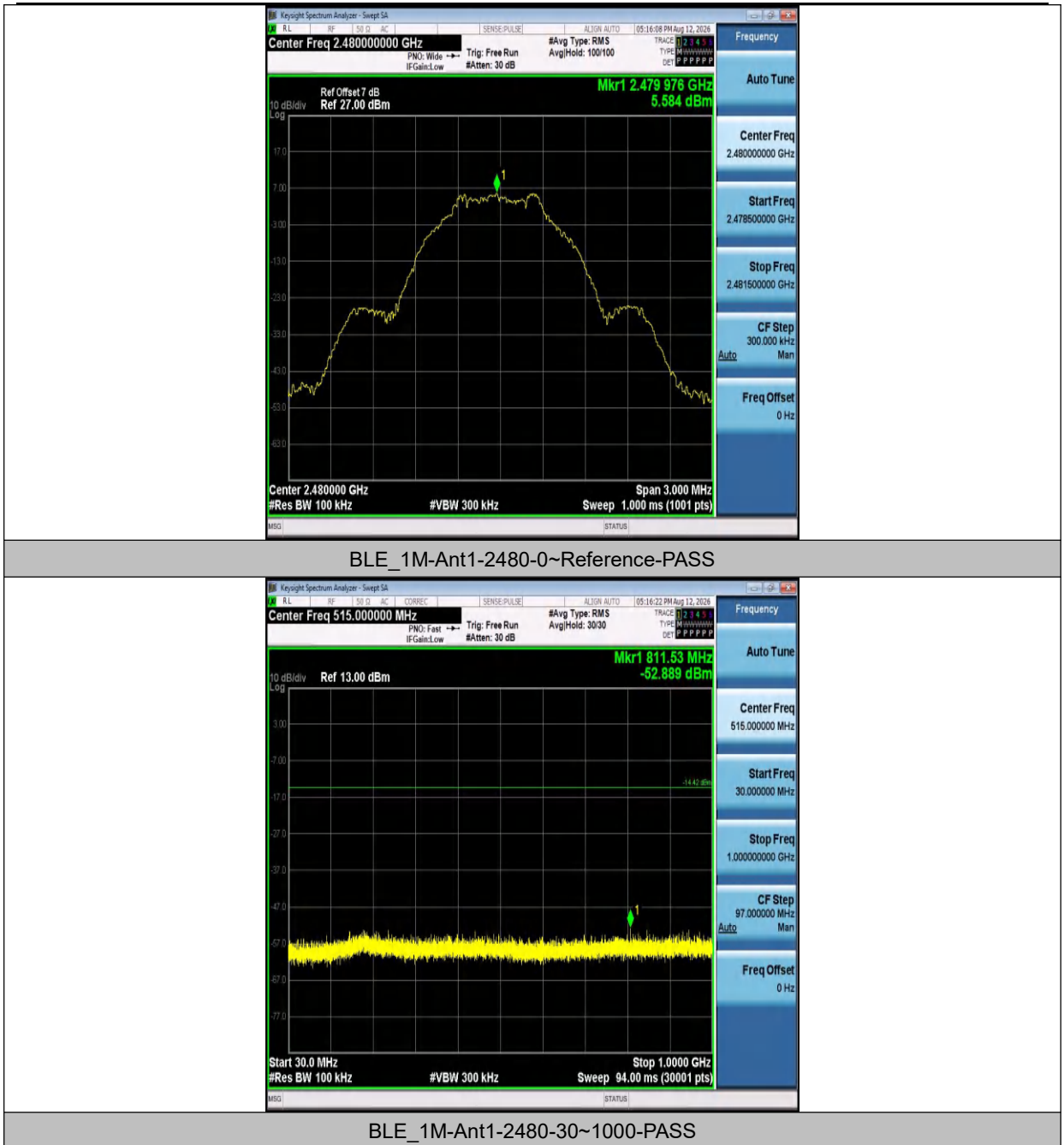
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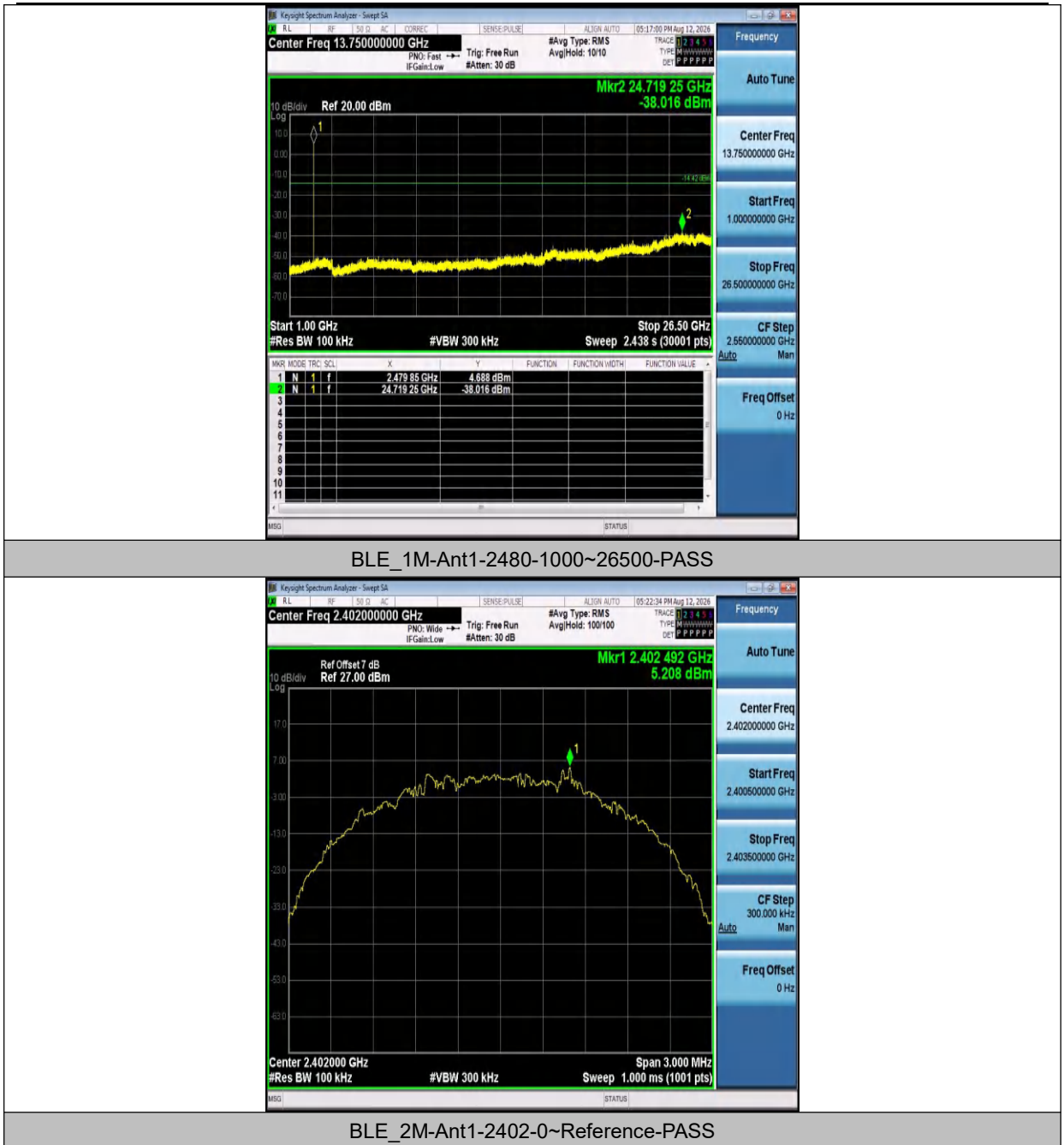
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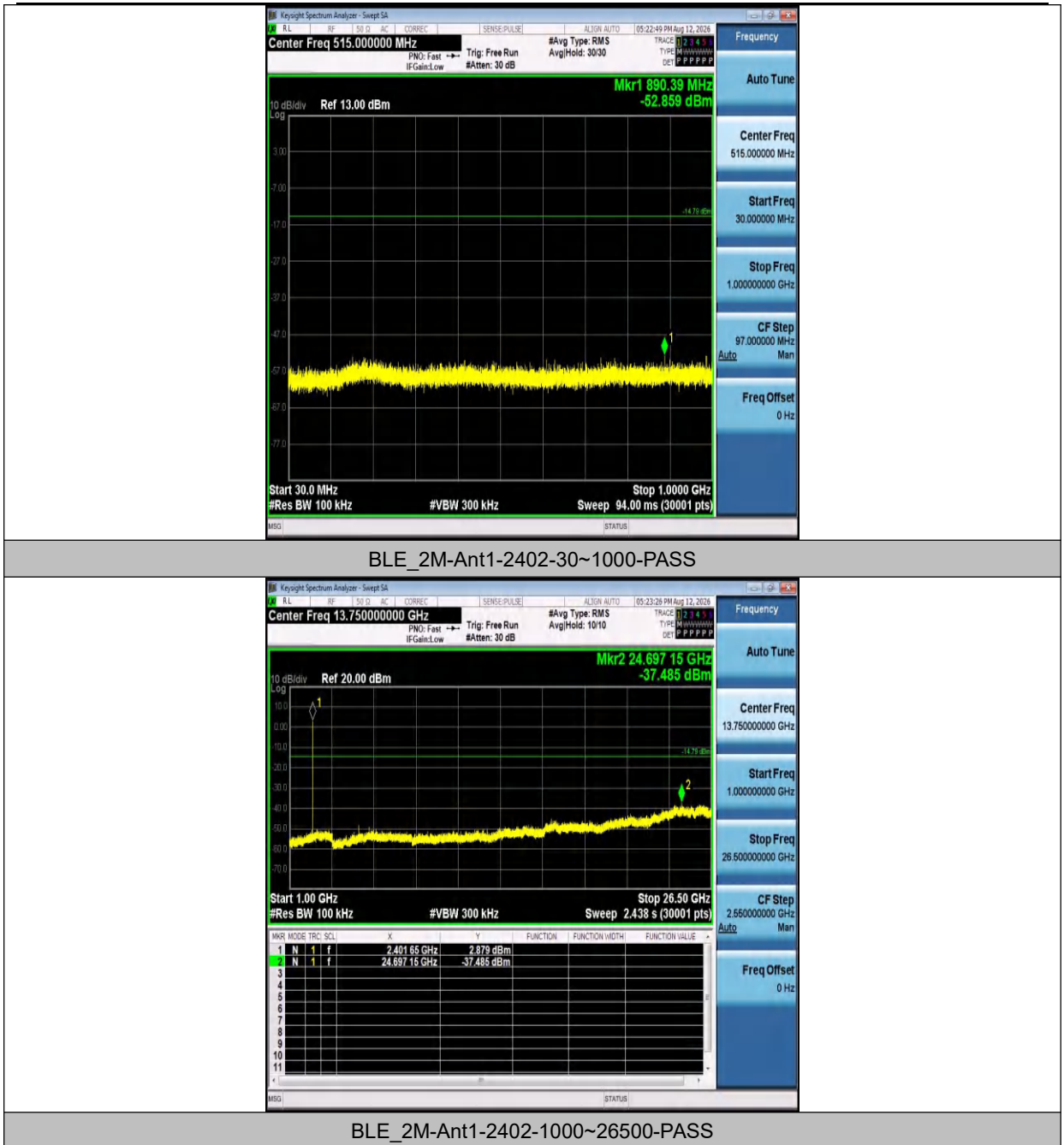
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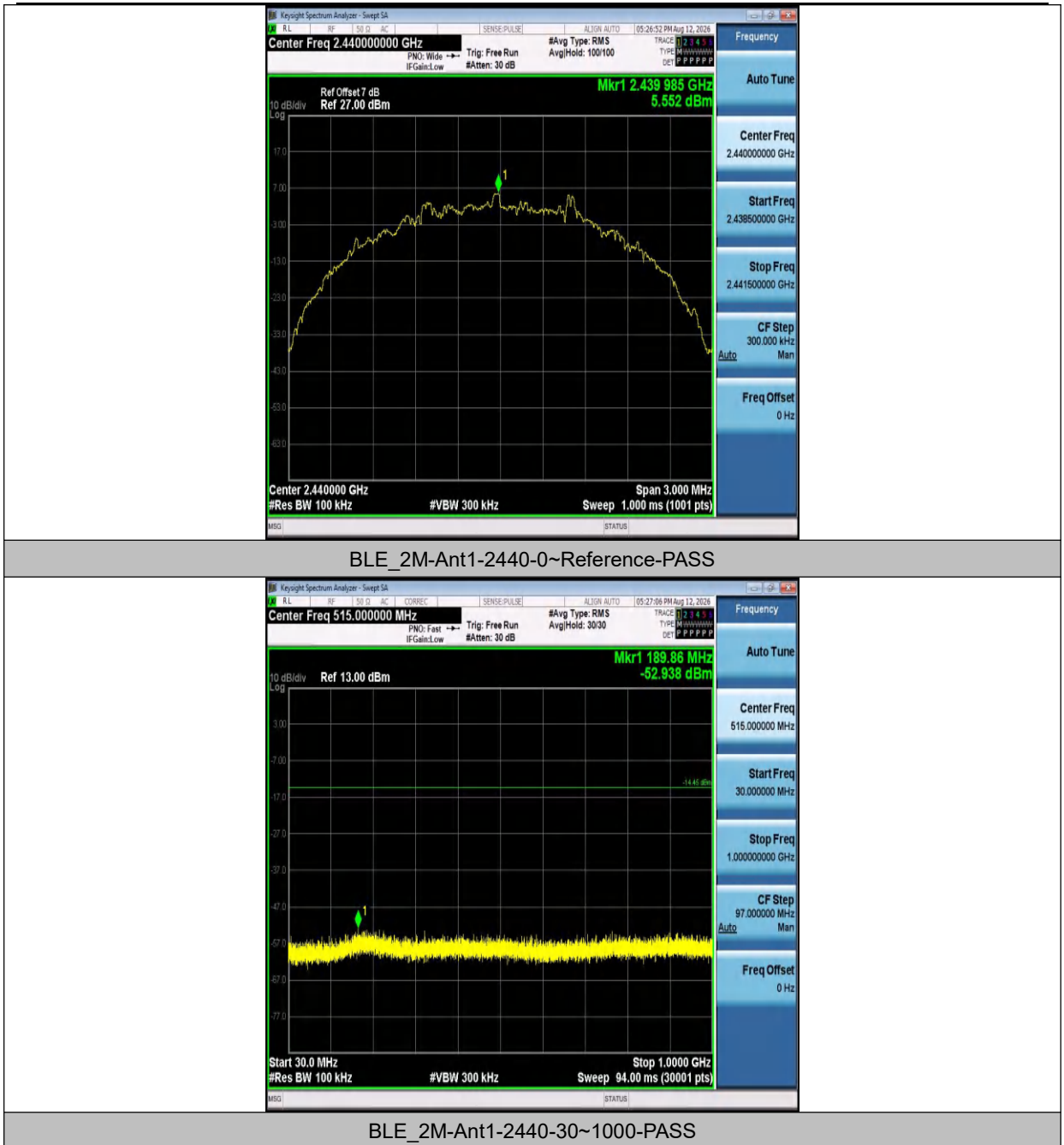
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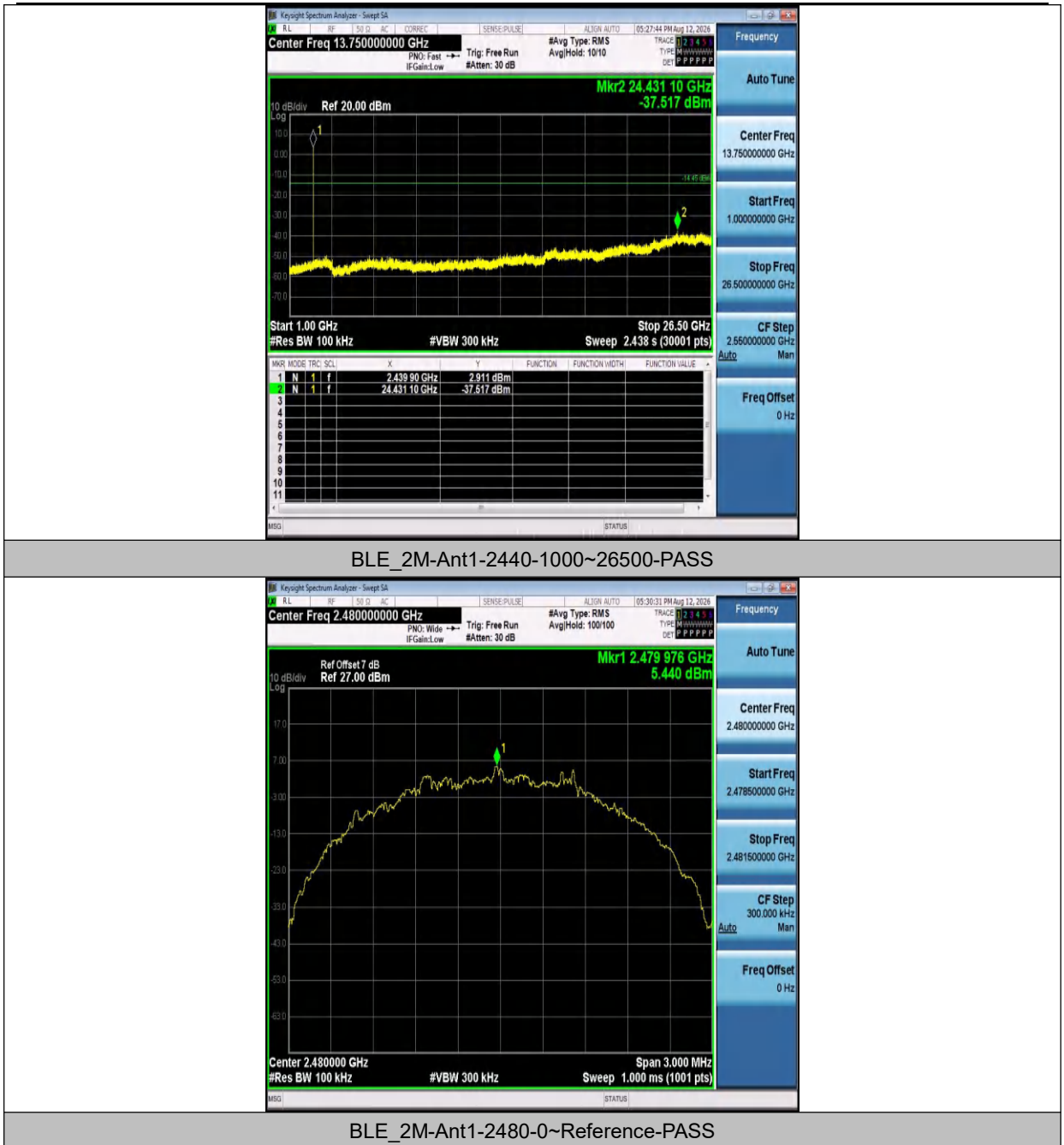
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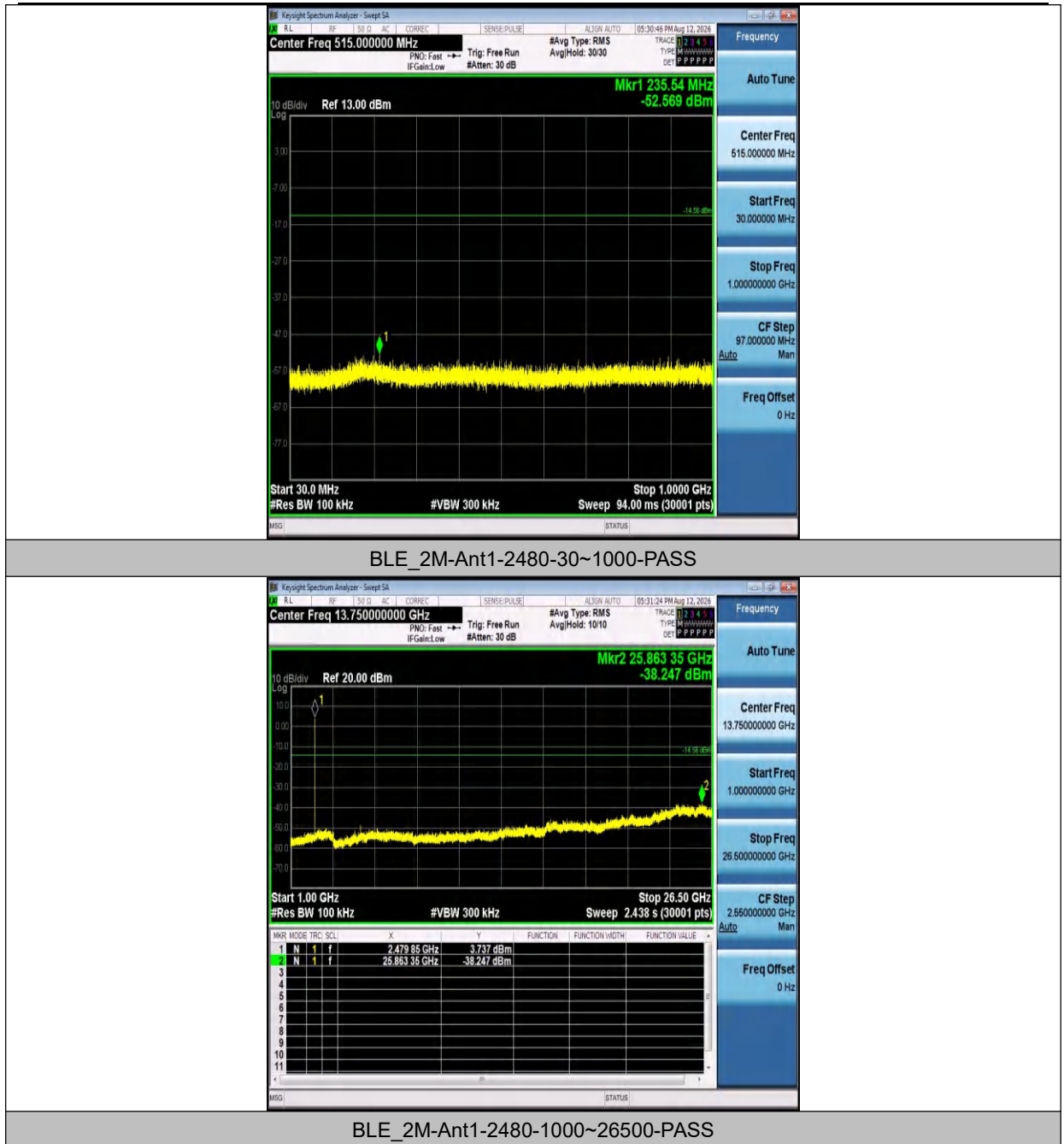
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.62	61.29	2.13
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.38	0.62	61.29	2.13
BLE_2M	Ant1	2402	1.08	1.87	57.75	2.38
BLE_2M	Ant1	2440	1.08	1.88	57.45	2.41
BLE_2M	Ant1	2480	1.07	1.88	56.91	2.45

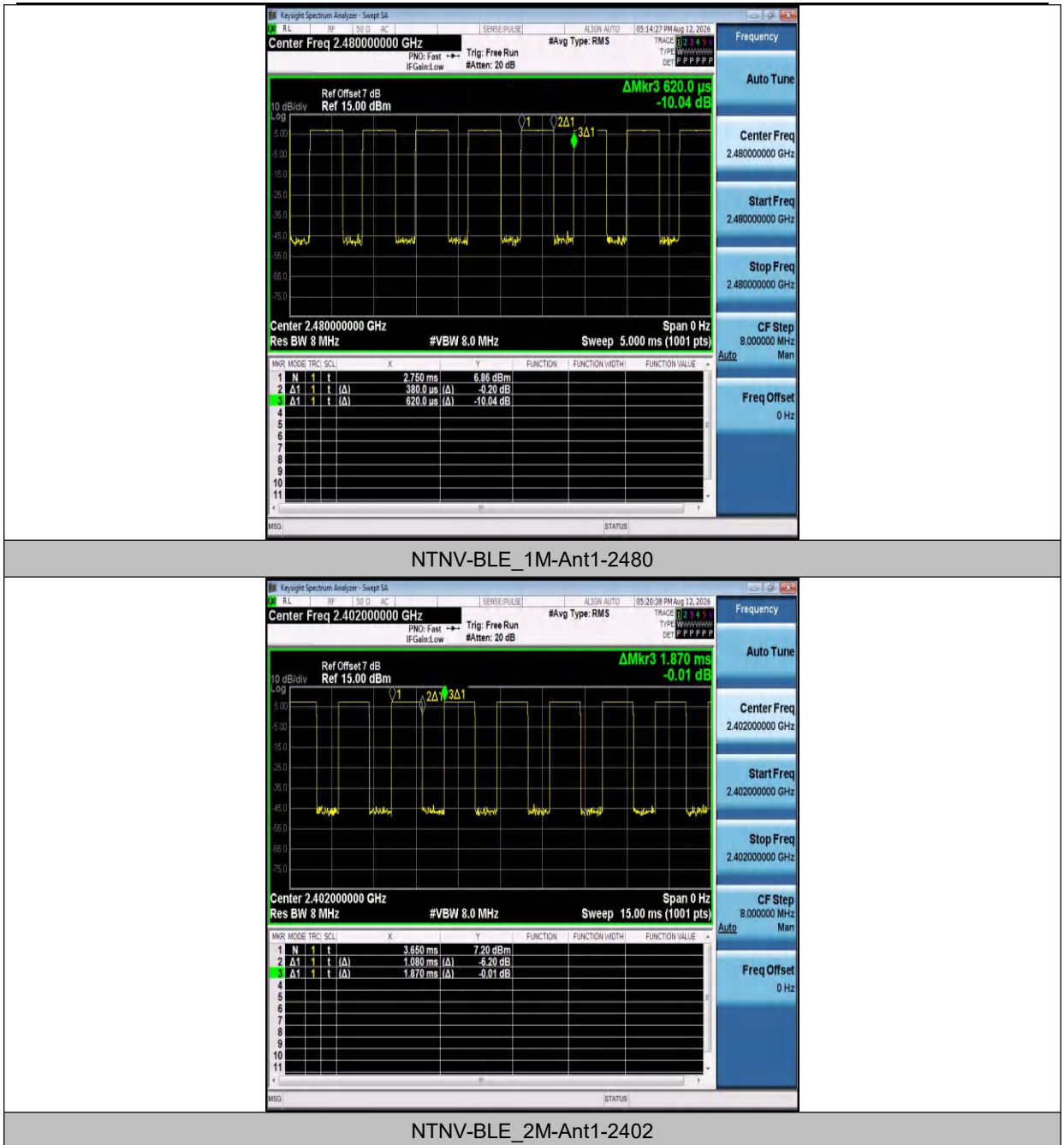
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