

Appendix Test Data

Report No.:	1813C60010912501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-8	Finish Test Date:	2026-1-14
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.9℃	Relative Humidity:	38%
Pressure:	101kPa		

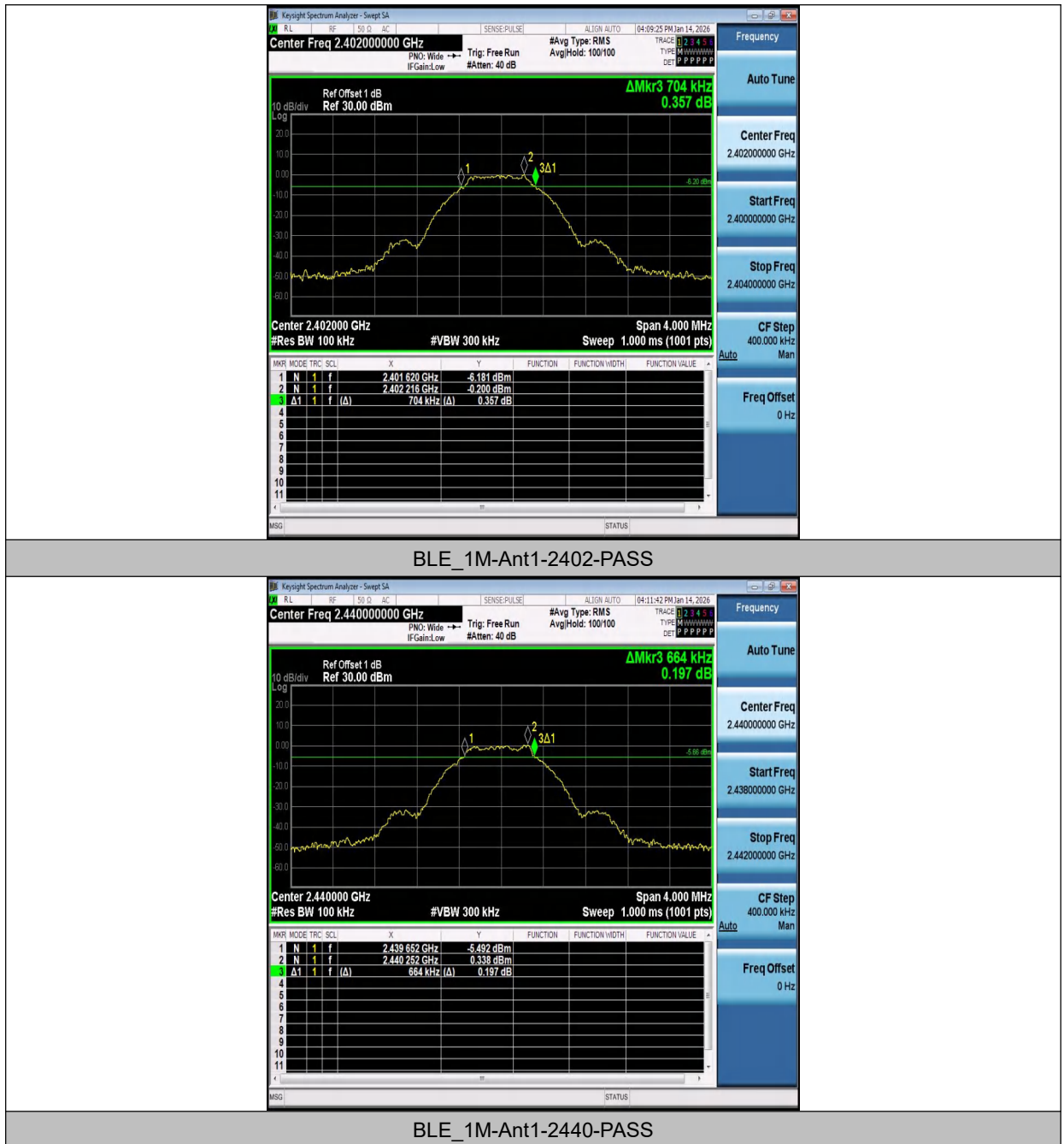


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.620	2402.324	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.652	2440.316	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.648	2480.312	0.5	PASS
BLE_2M	Ant1	2402	1.304	2401.308	2402.612	0.5	PASS
BLE_2M	Ant1	2440	1.268	2439.320	2440.588	0.5	PASS
BLE_2M	Ant1	2480	1.244	2479.340	2480.584	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	1.0201	2401.4738	2402.4939	---	---
BLE_1M	Ant1	2440	1.0256	2439.4707	2440.4963	---	---
BLE_1M	Ant1	2480	1.0231	2479.4709	2480.4940	---	---
BLE_2M	Ant1	2402	2.0635	2400.9706	2403.0341	---	---
BLE_2M	Ant1	2440	2.0778	2438.9625	2441.0403	---	---
BLE_2M	Ant1	2480	2.0812	2478.9548	2481.0360	---	---

Test Graphs



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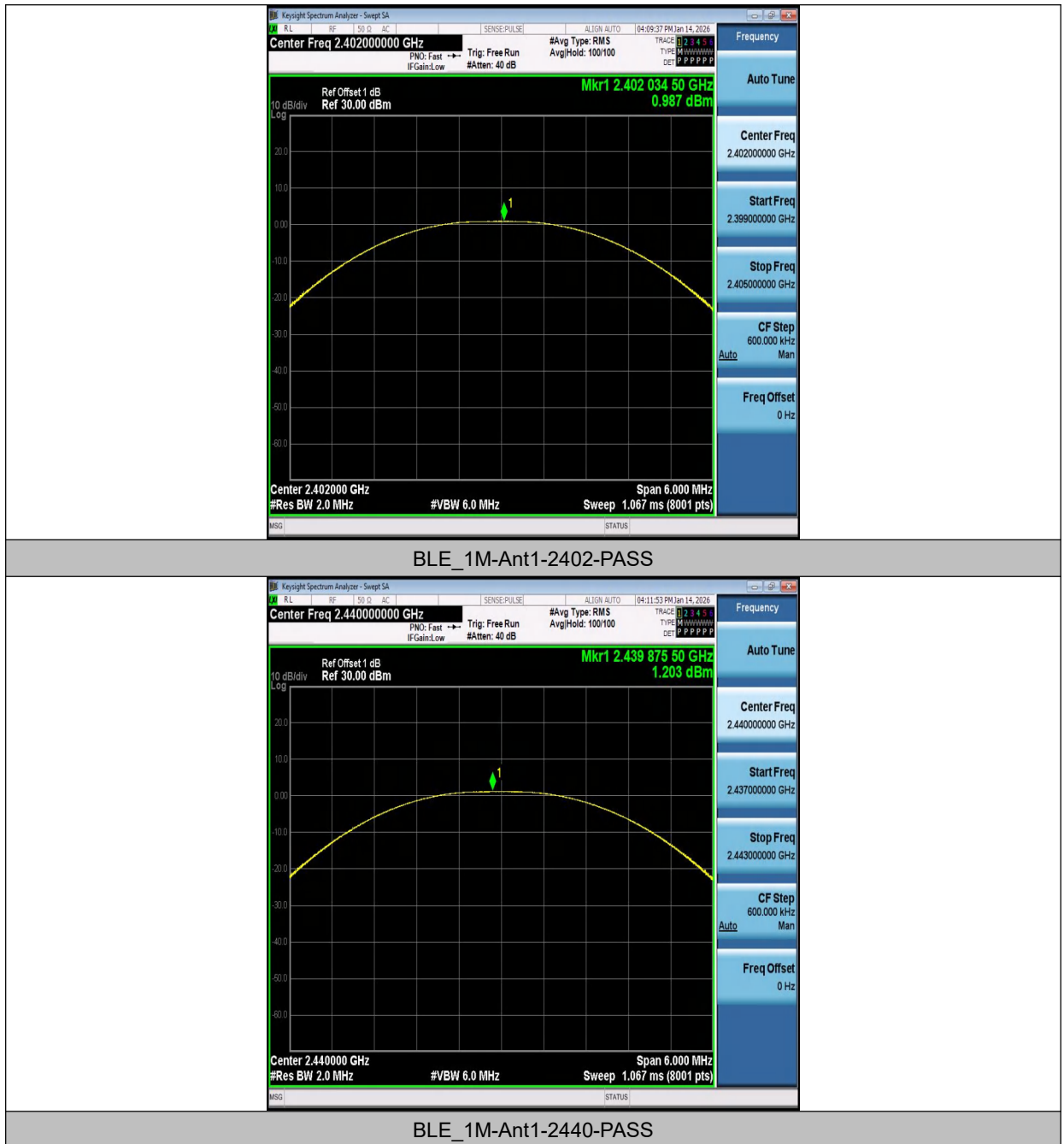
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.99	≤30	PASS
BLE_1M	Ant1	2440	1.20	≤30	PASS
BLE_1M	Ant1	2480	1.68	≤30	PASS
BLE_2M	Ant1	2402	0.93	≤30	PASS
BLE_2M	Ant1	2440	1.17	≤30	PASS
BLE_2M	Ant1	2480	1.63	≤30	PASS

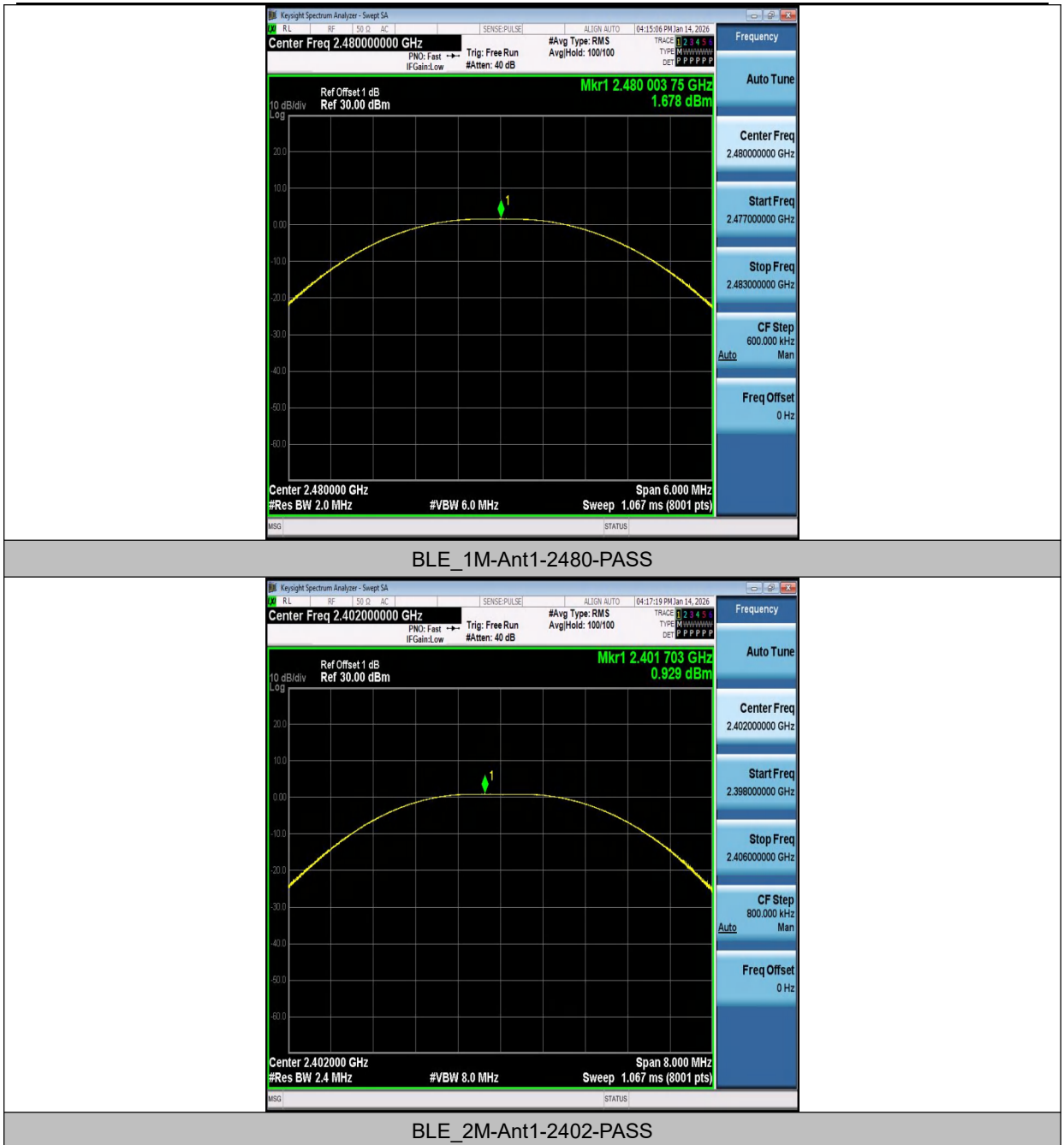
Test Graphs Peak



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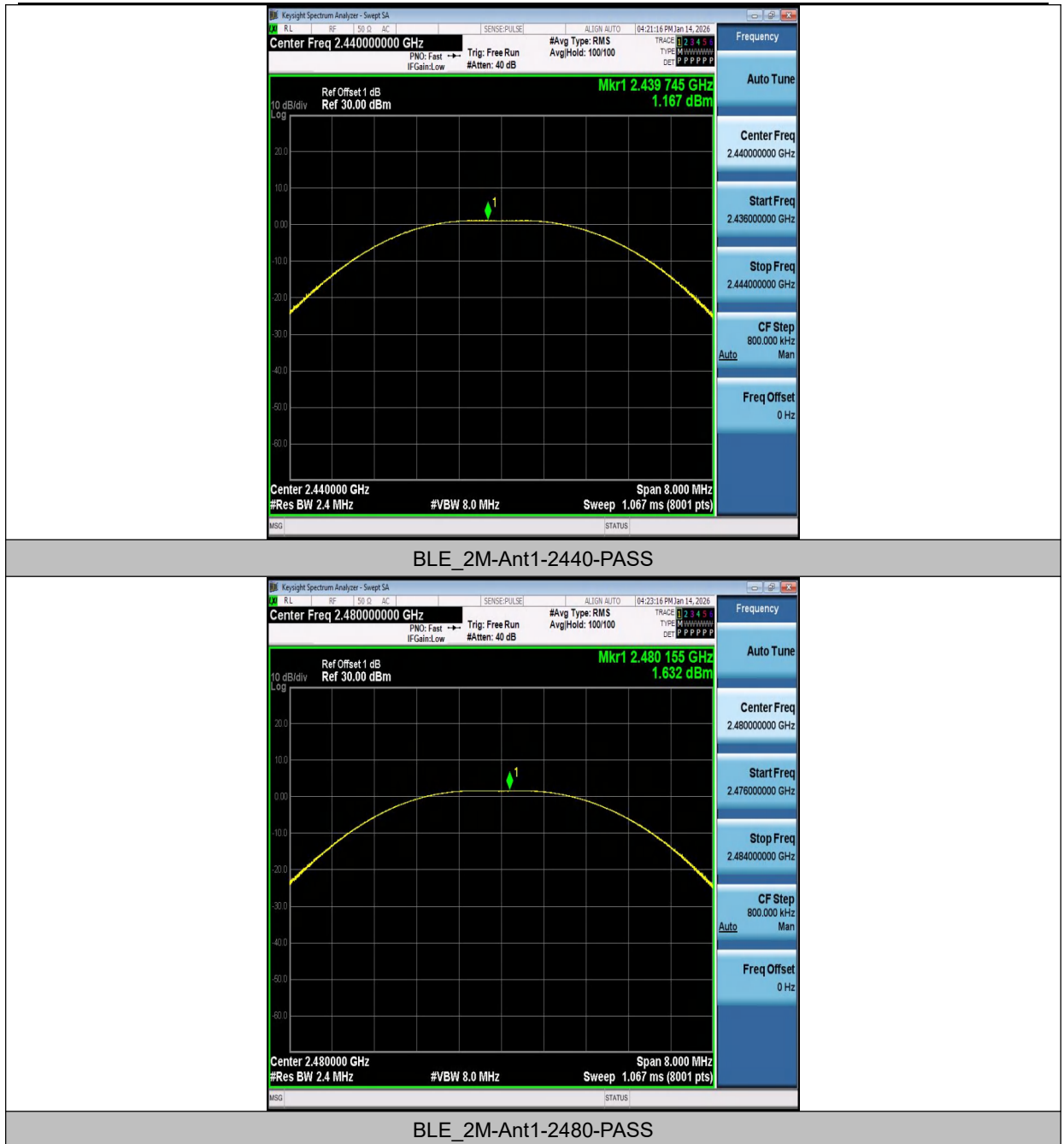
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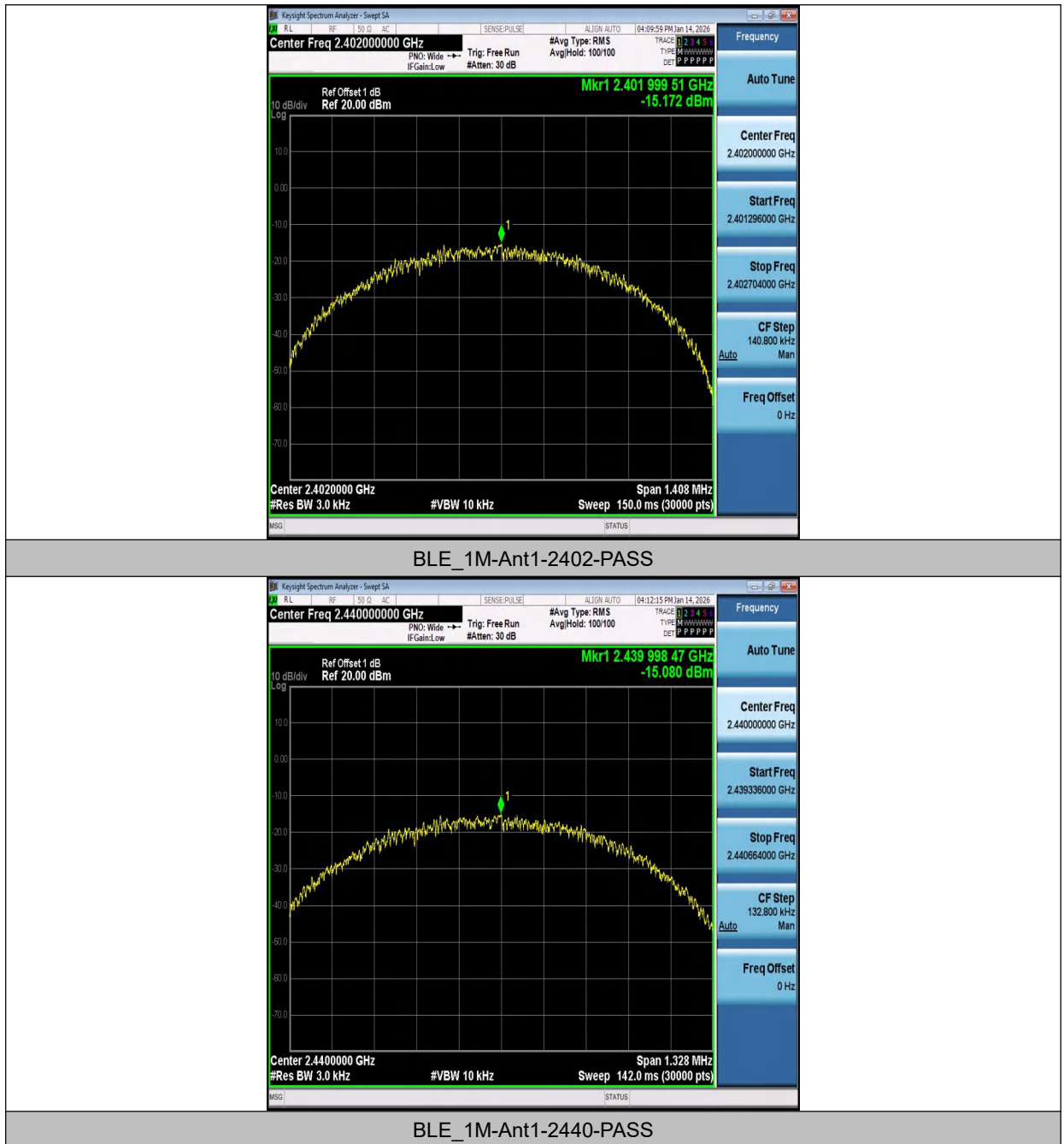
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.17	≤8.00	PASS
BLE_1M	Ant1	2440	-15.08	≤8.00	PASS
BLE_1M	Ant1	2480	-14.39	≤8.00	PASS
BLE_2M	Ant1	2402	-18.65	≤8.00	PASS
BLE_2M	Ant1	2440	-18.36	≤8.00	PASS
BLE_2M	Ant1	2480	-17.82	≤8.00	PASS

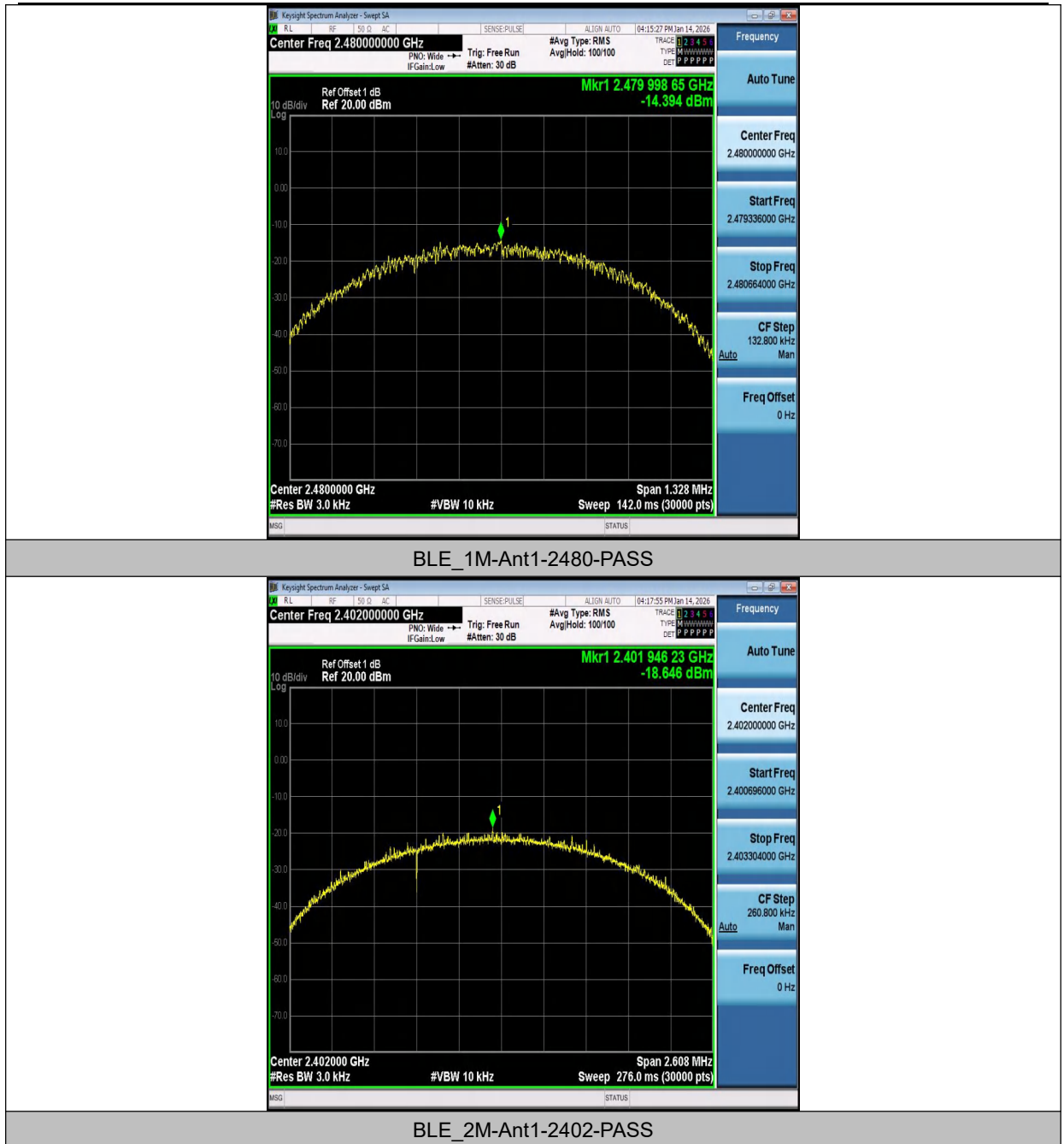
Test Graphs



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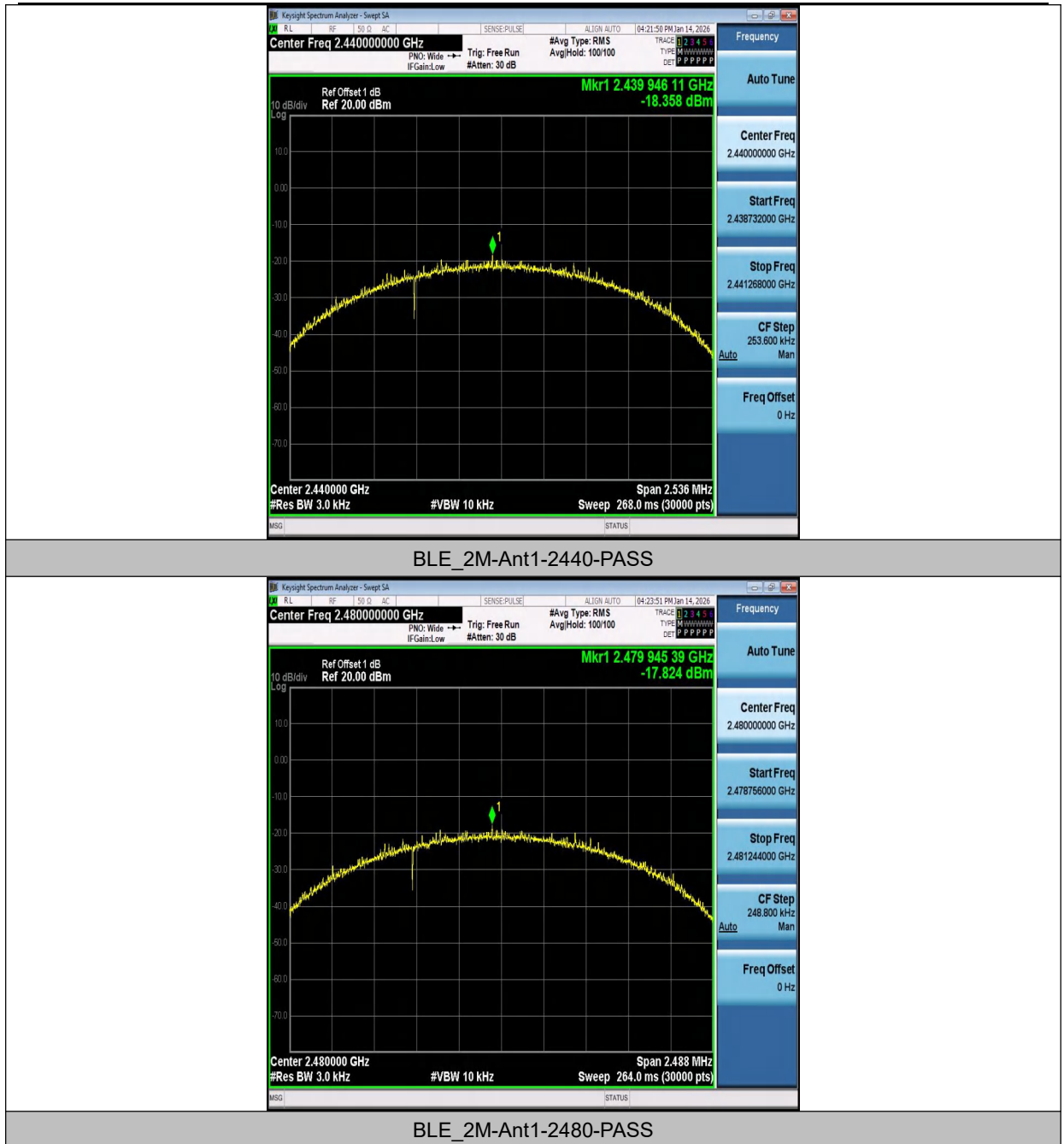
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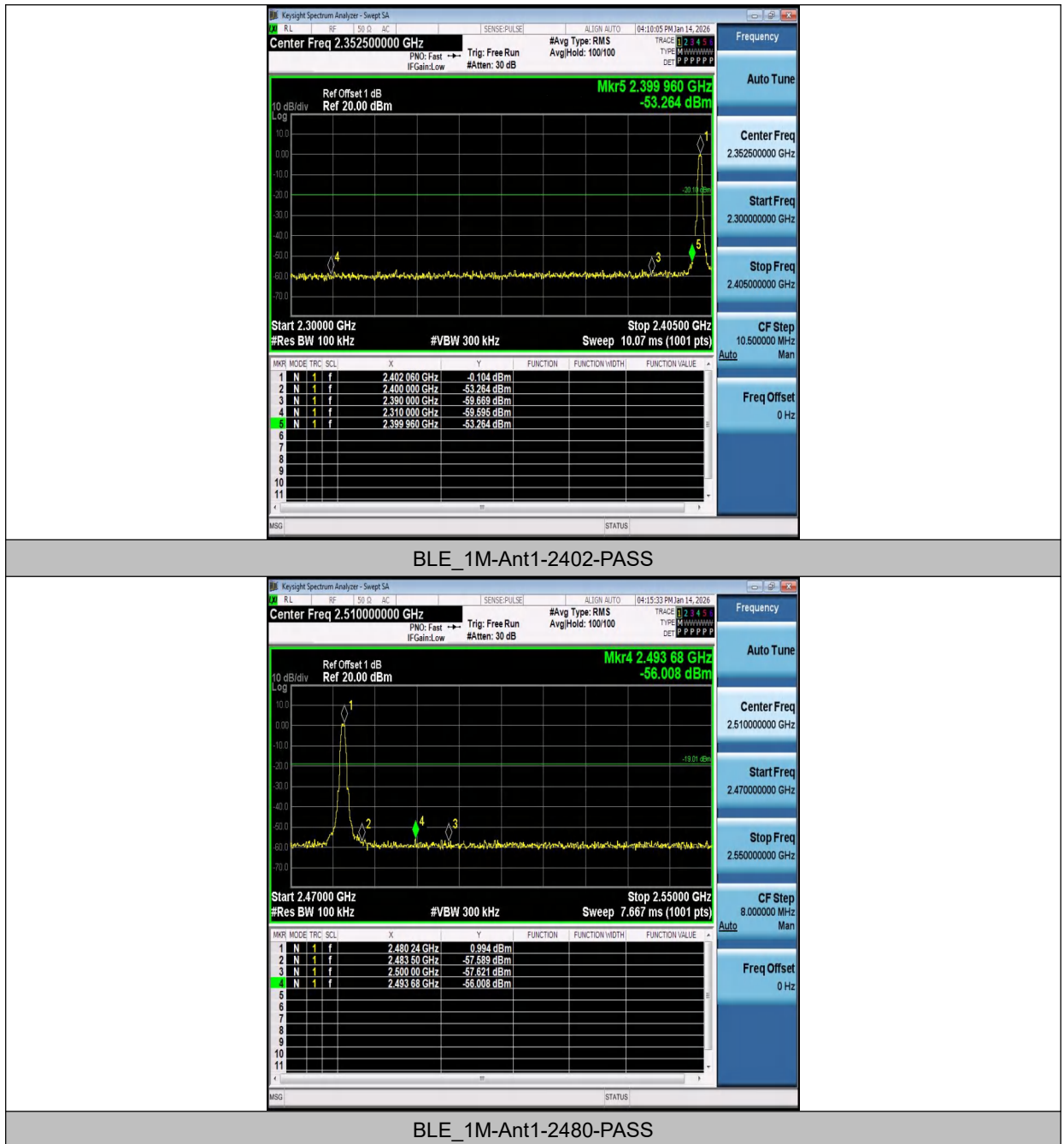
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.10	-53.26	≤-20.1	PASS
BLE_1M	Ant1	High	2480	0.99	-56.01	≤-19.01	PASS
BLE_2M	Ant1	Low	2402	-0.51	-34.27	≤-20.51	PASS
BLE_2M	Ant1	High	2480	0.64	-55.39	≤-19.36	PASS

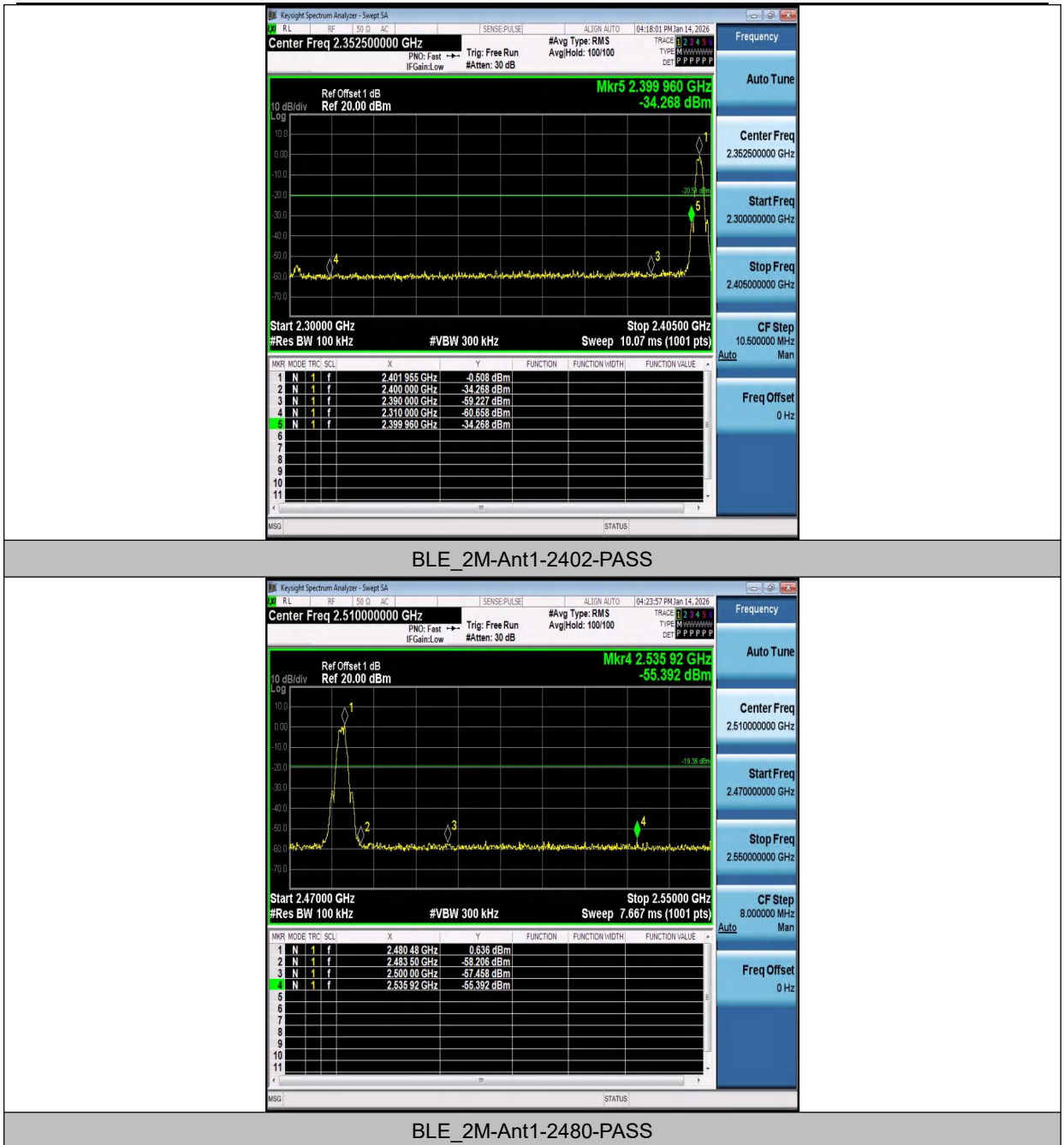
Test Graphs



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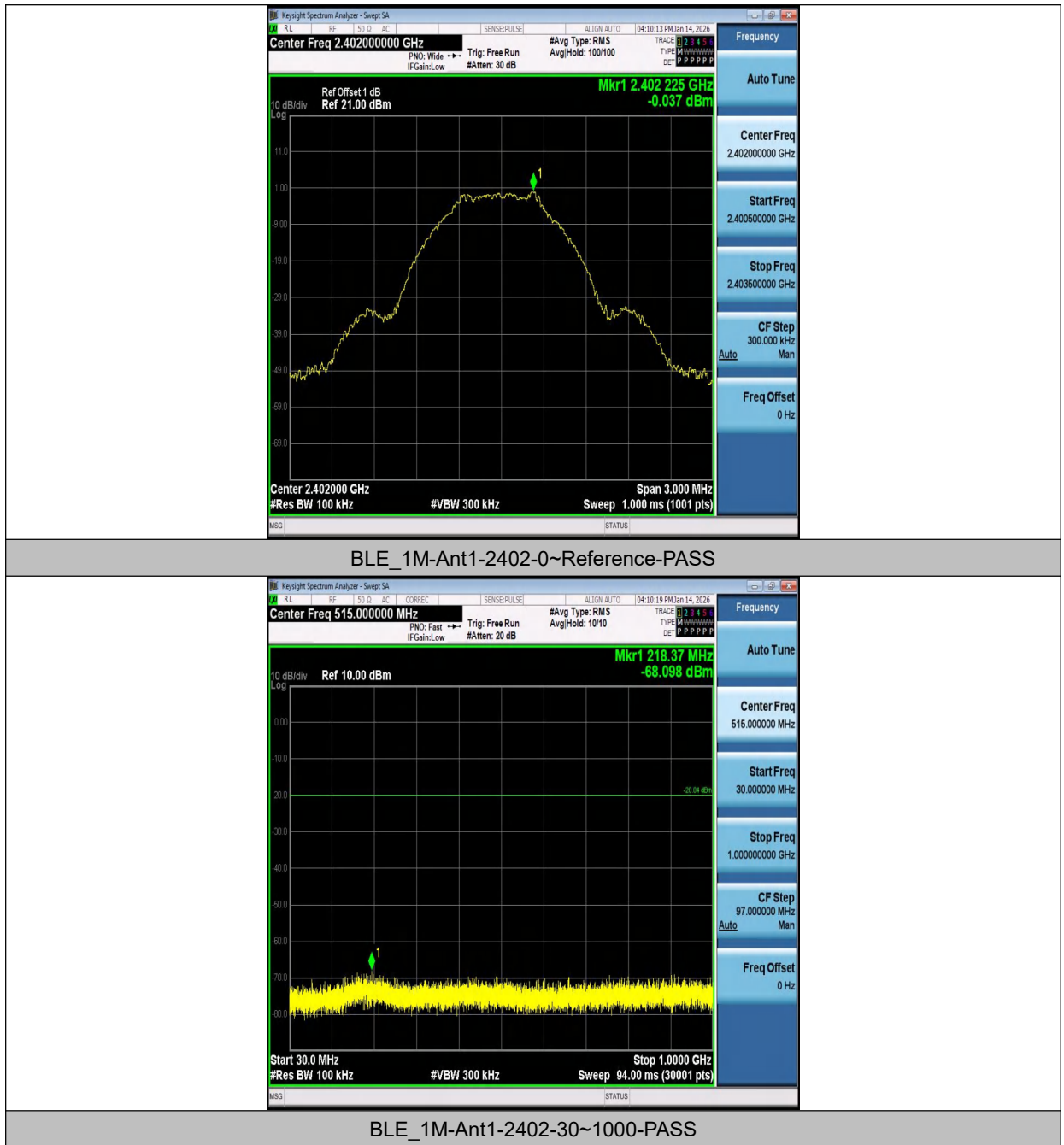
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.04	-0.04	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.04	-68.1	≤-20.04	PASS
BLE_1M	Ant1	2402	1000~26500	-0.04	-36.17	≤-20.04	PASS
BLE_1M	Ant1	2440	0~Reference	0.48	0.48	---	PASS
BLE_1M	Ant1	2440	30~1000	0.48	-68.45	≤-19.52	PASS
BLE_1M	Ant1	2440	1000~26500	0.48	-36.06	≤-19.52	PASS
BLE_1M	Ant1	2480	0~Reference	1.15	1.15	---	PASS
BLE_1M	Ant1	2480	30~1000	1.15	-68.33	≤-18.85	PASS
BLE_1M	Ant1	2480	1000~26500	1.15	-36.66	≤-18.85	PASS
BLE_2M	Ant1	2402	0~Reference	-0.44	-0.44	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.44	-68.45	≤-20.44	PASS
BLE_2M	Ant1	2402	1000~26500	-0.44	-35.64	≤-20.44	PASS
BLE_2M	Ant1	2440	0~Reference	-0.15	-0.15	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.15	-68.24	≤-20.15	PASS
BLE_2M	Ant1	2440	1000~26500	-0.15	-36.35	≤-20.15	PASS
BLE_2M	Ant1	2480	0~Reference	0.04	0.04	---	PASS
BLE_2M	Ant1	2480	30~1000	0.04	-68.08	≤-19.96	PASS
BLE_2M	Ant1	2480	1000~26500	0.04	-36.41	≤-19.96	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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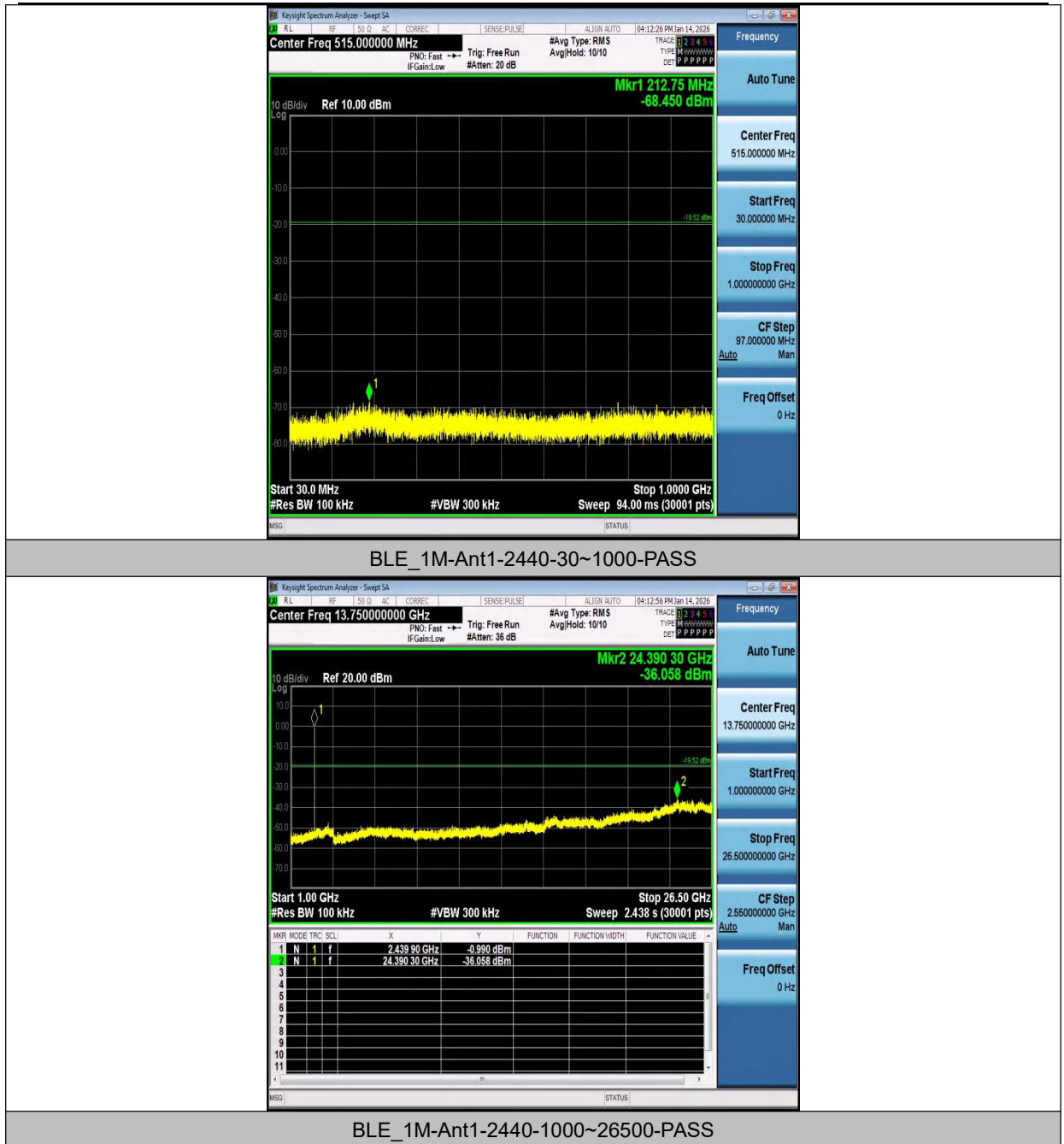
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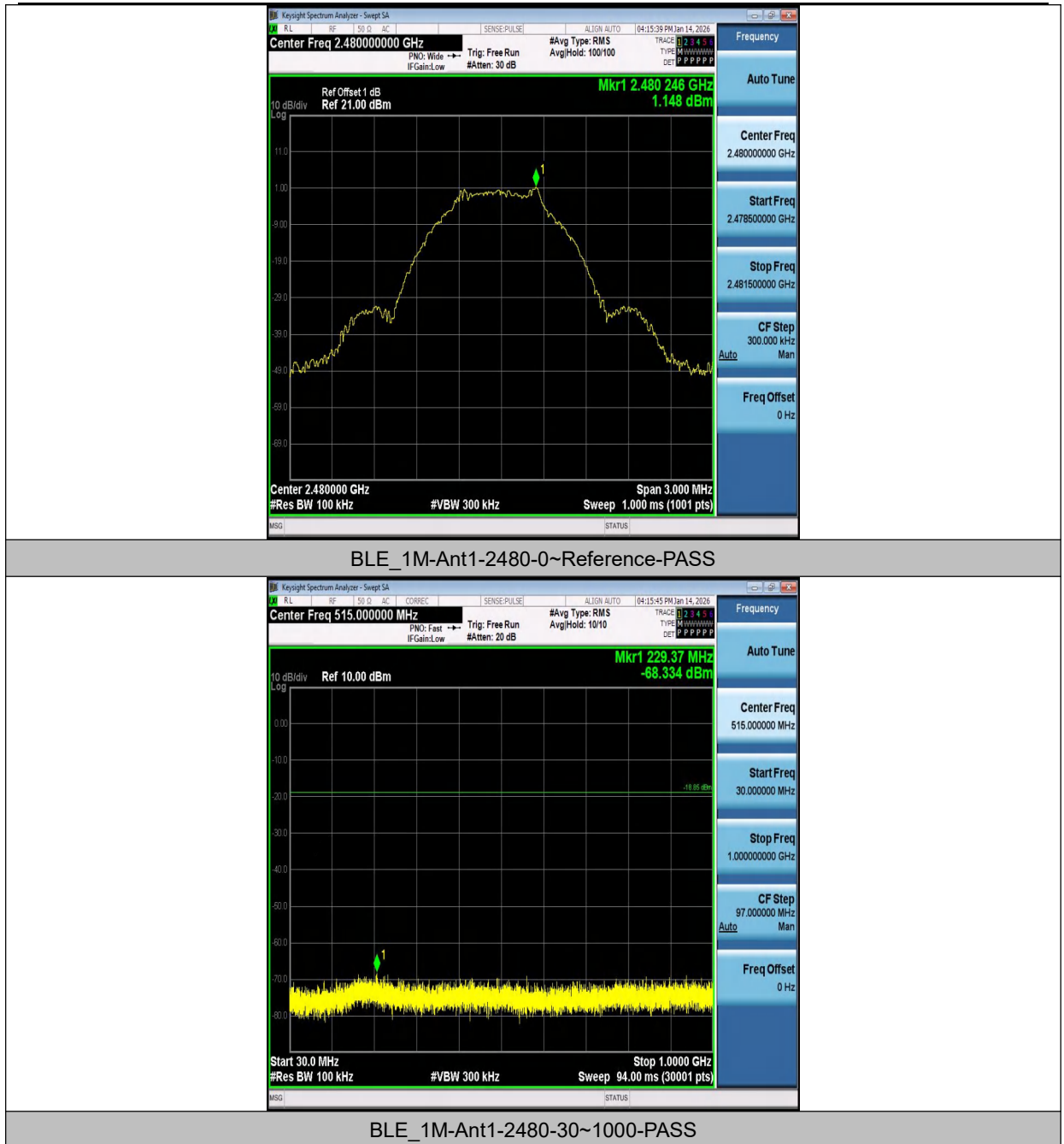
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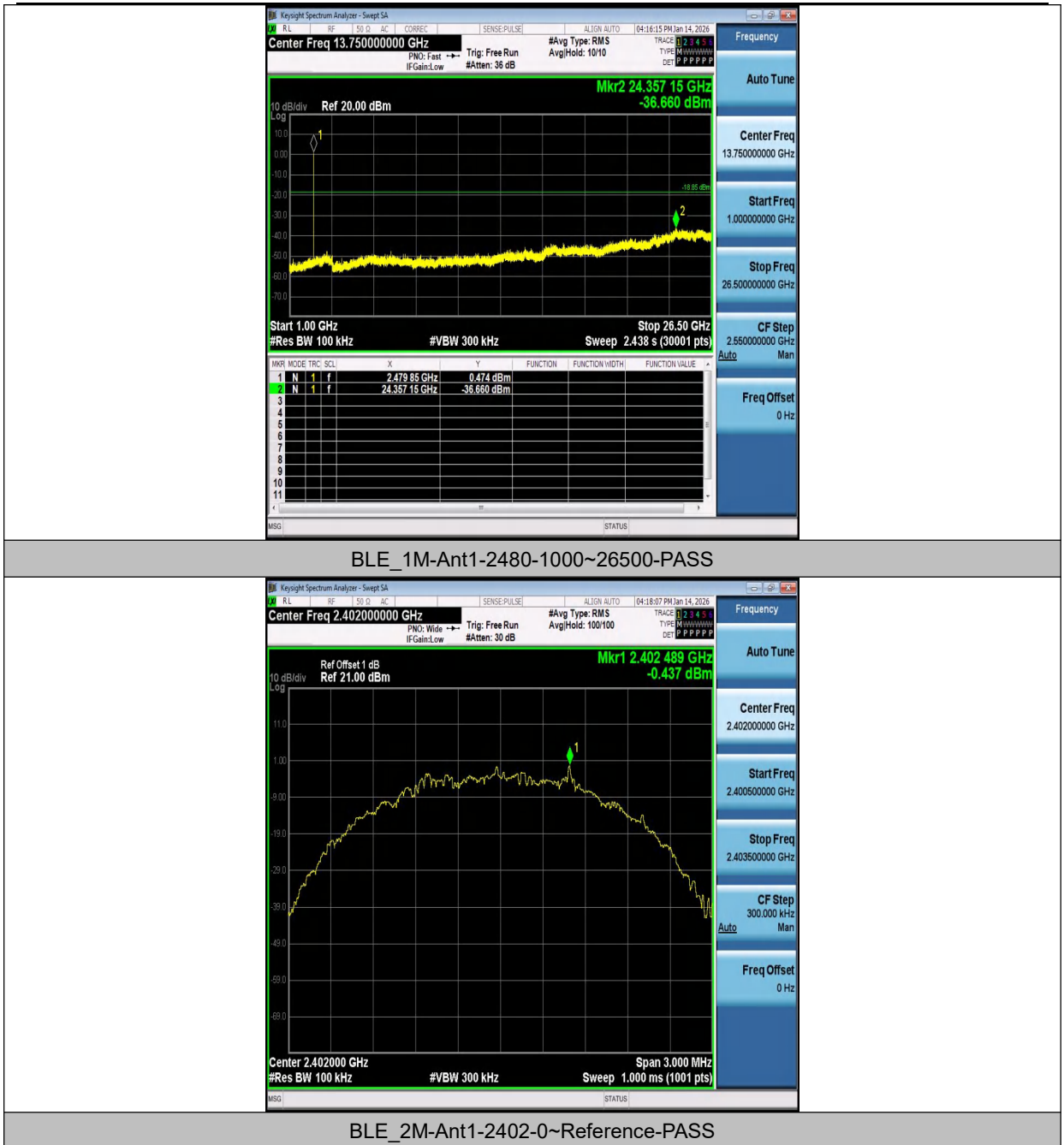
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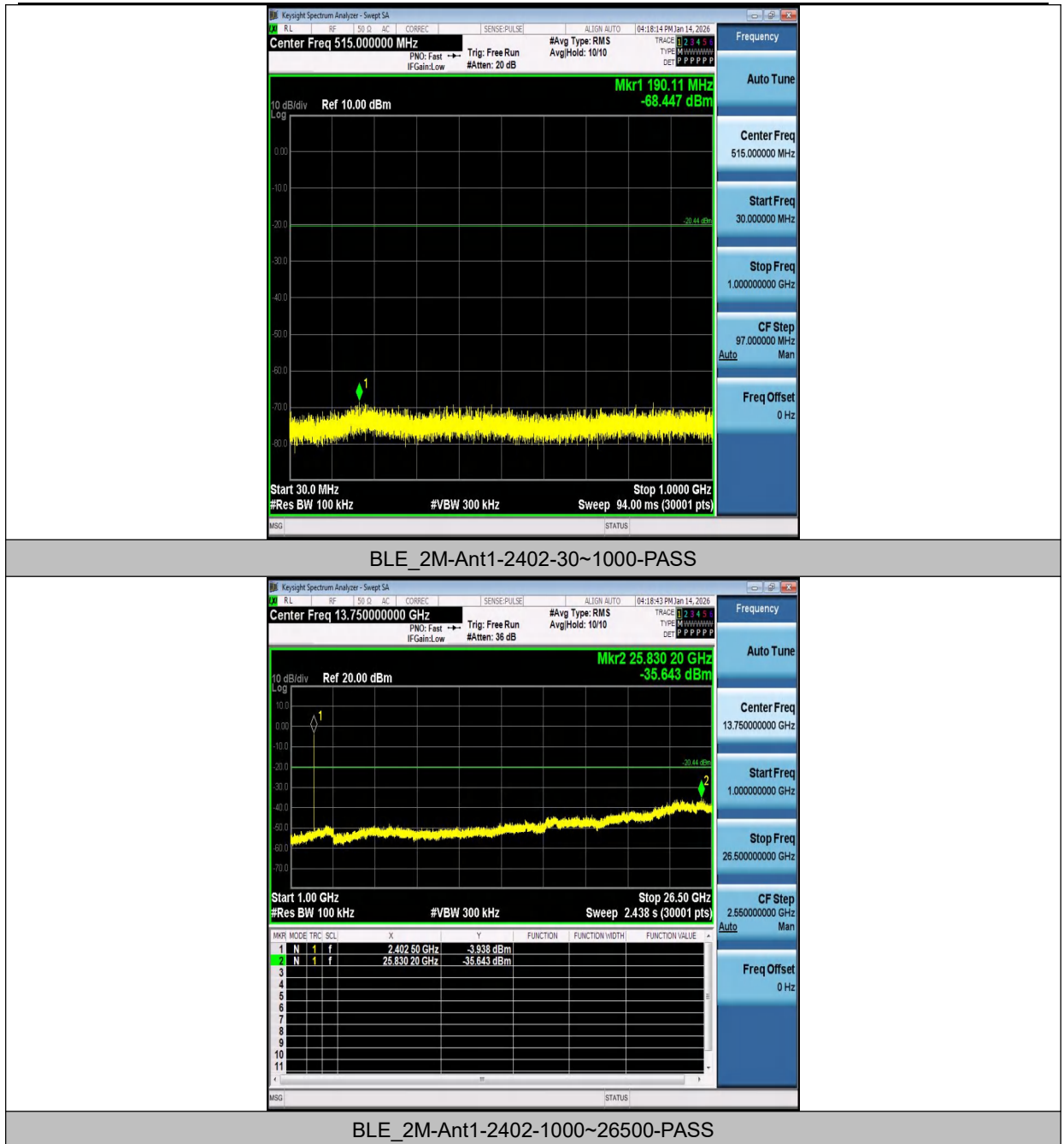
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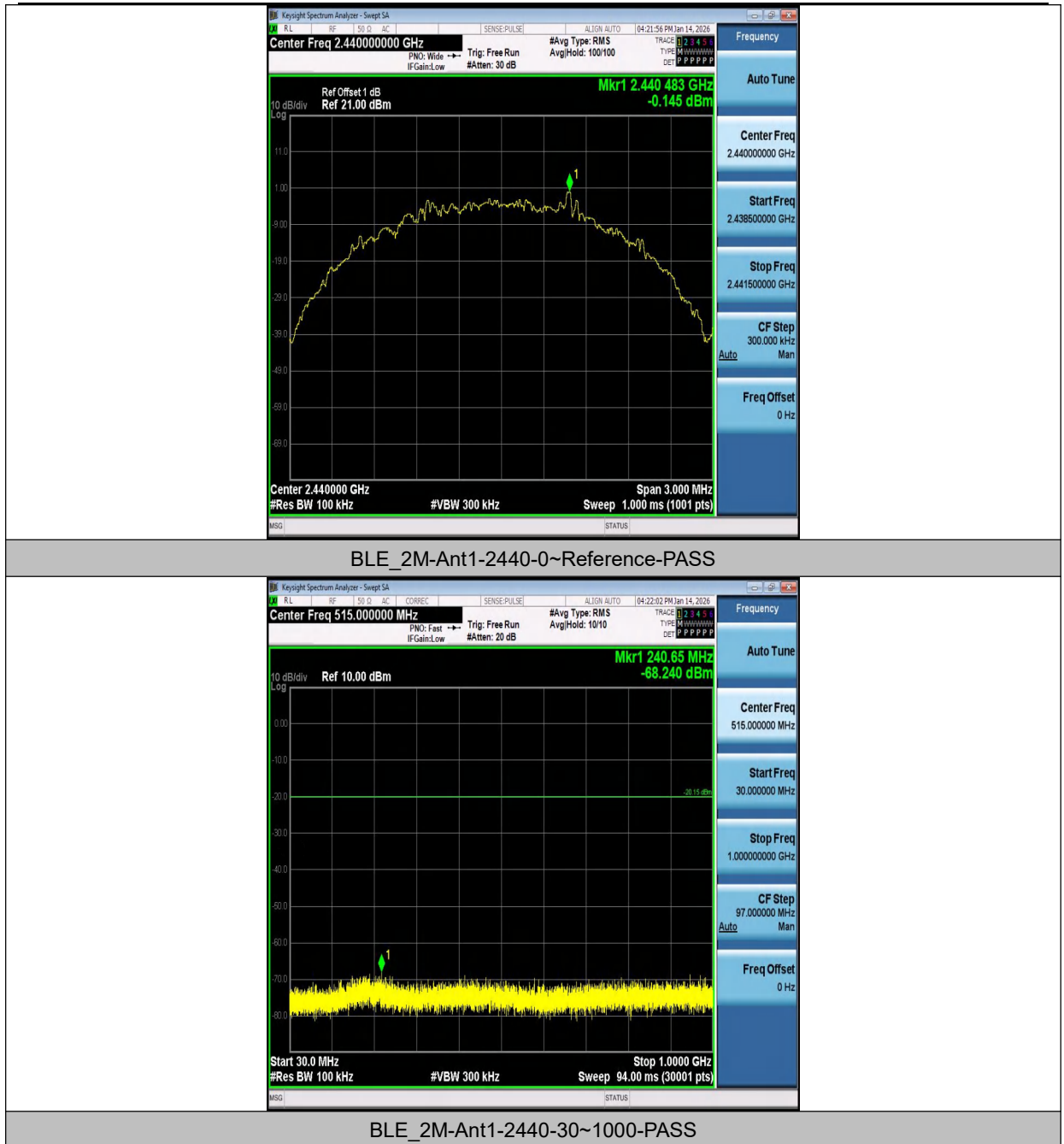
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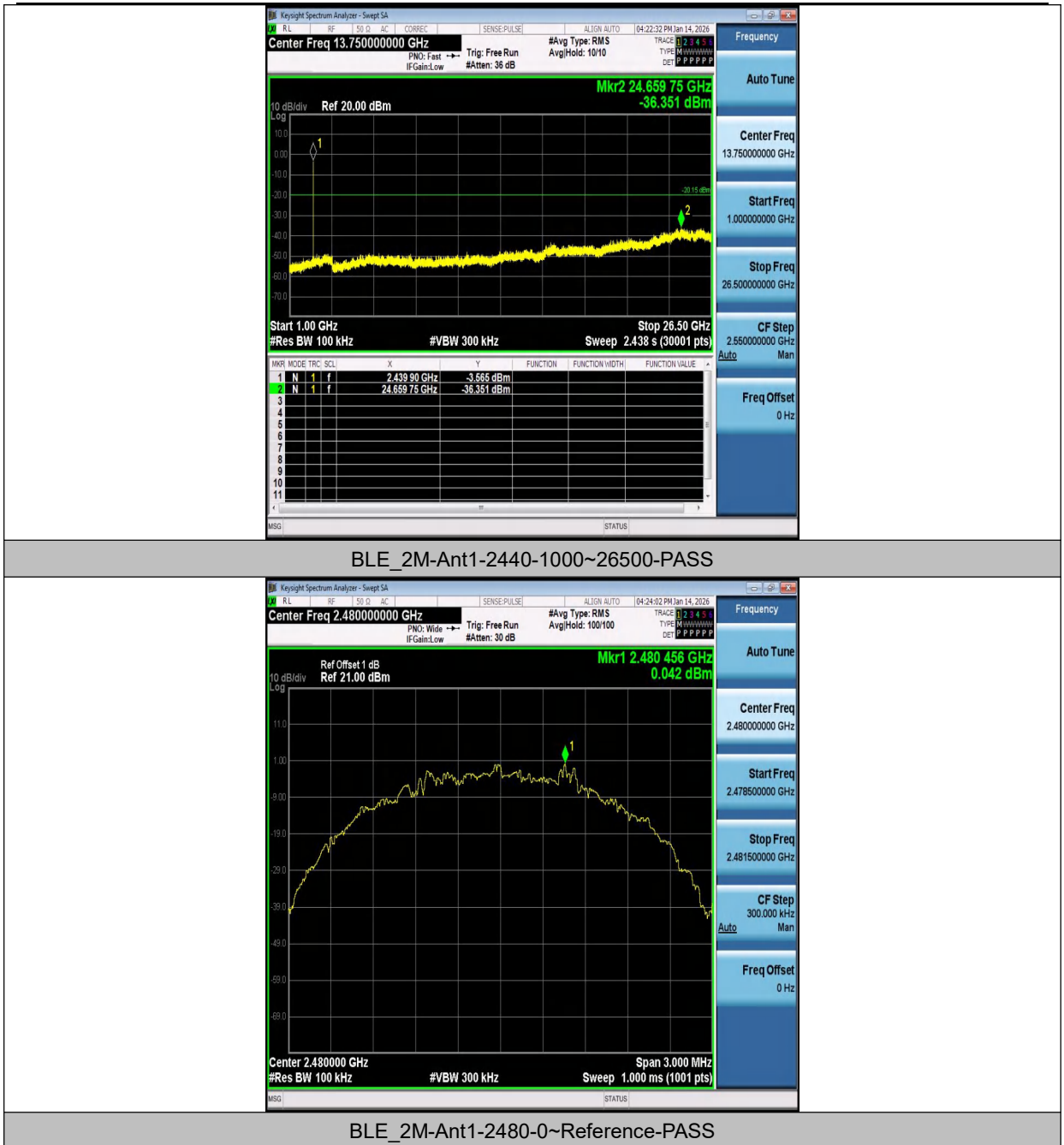
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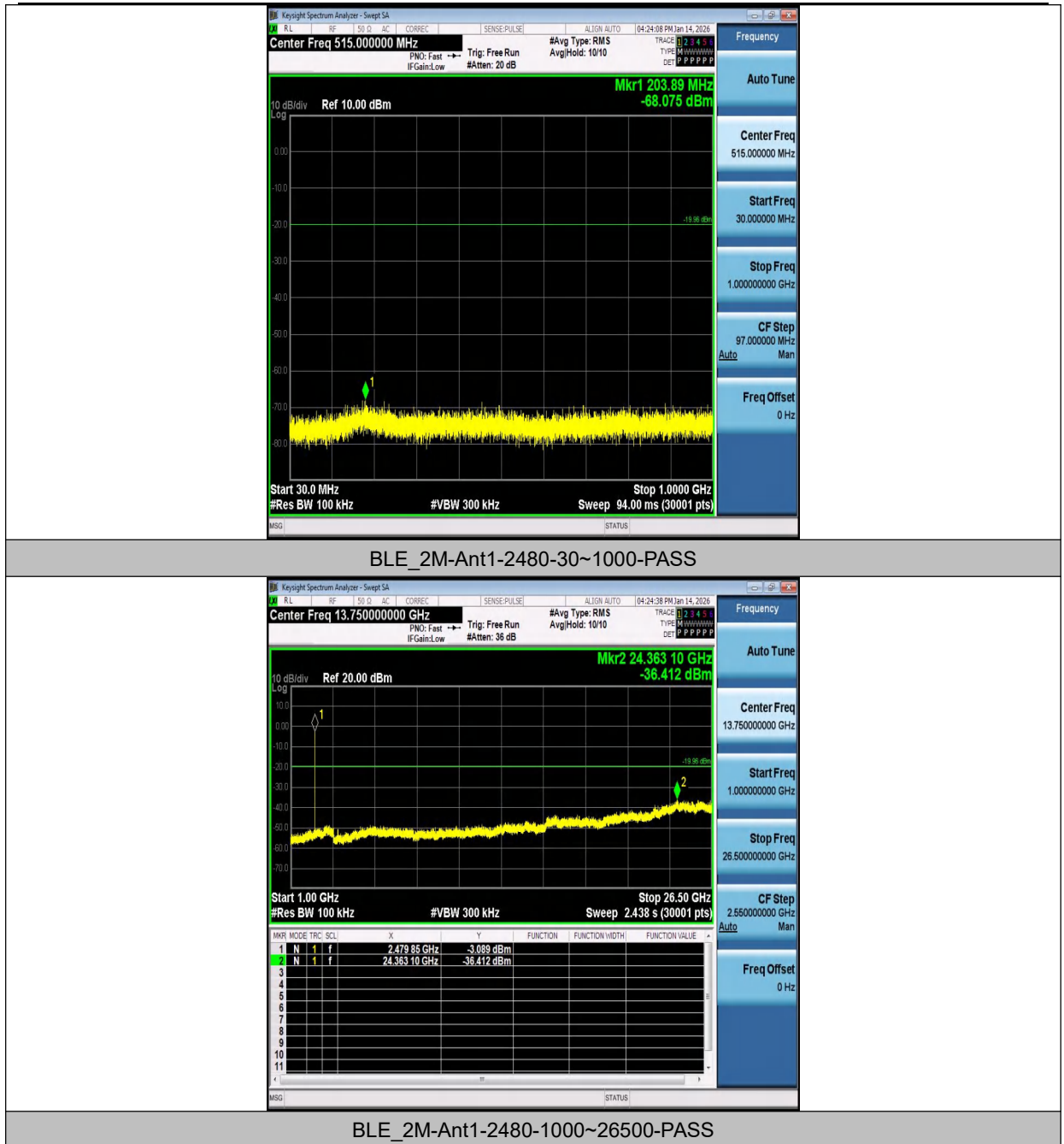
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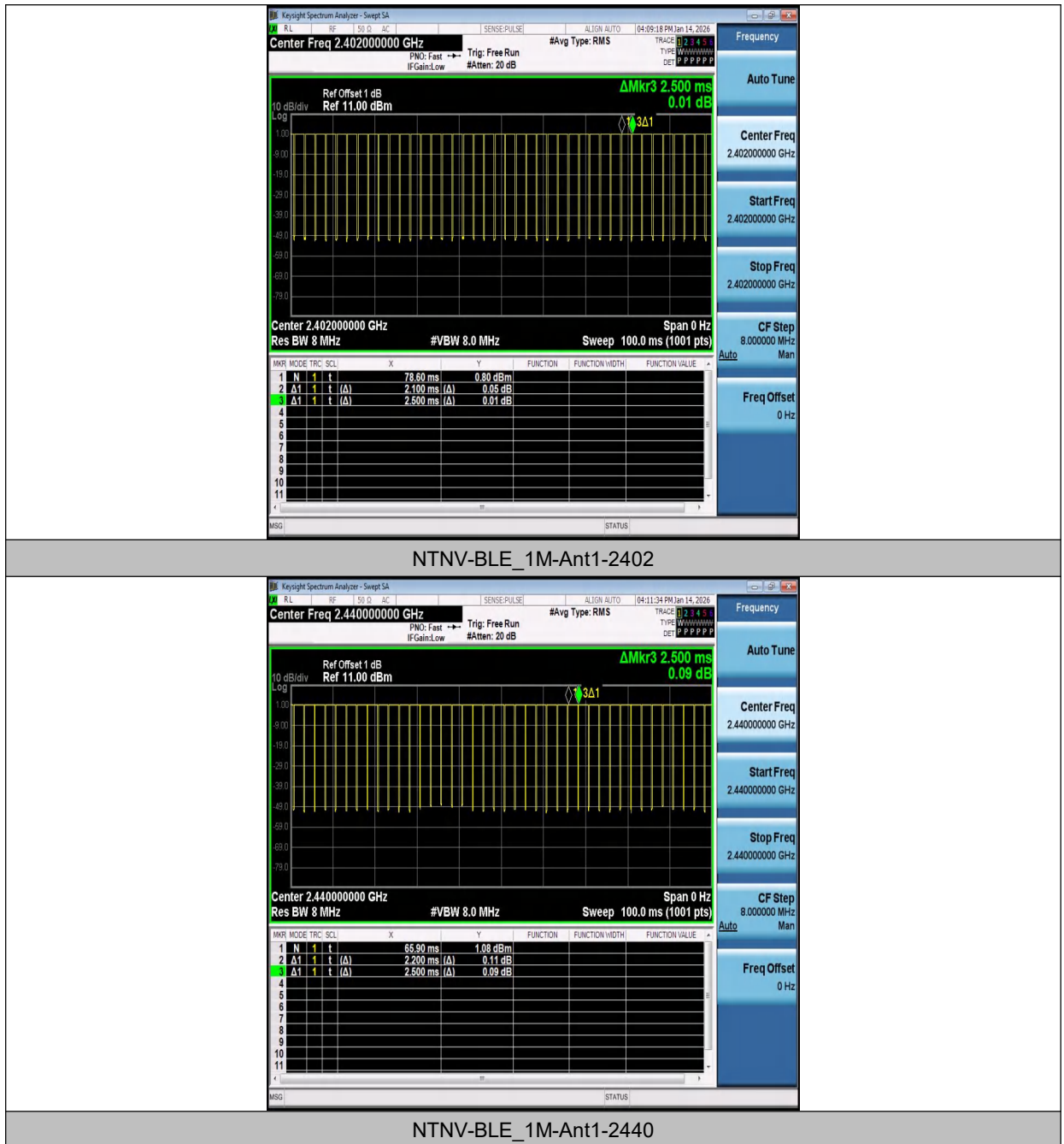
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2440	2.20	2.50	88.00	0.56
BLE_1M	Ant1	2480	2.10	2.50	84.00	0.76
BLE_2M	Ant1	2402	1.00	1.90	52.63	2.79
BLE_2M	Ant1	2440	1.00	1.80	55.56	2.55
BLE_2M	Ant1	2480	1.00	1.90	52.63	2.79

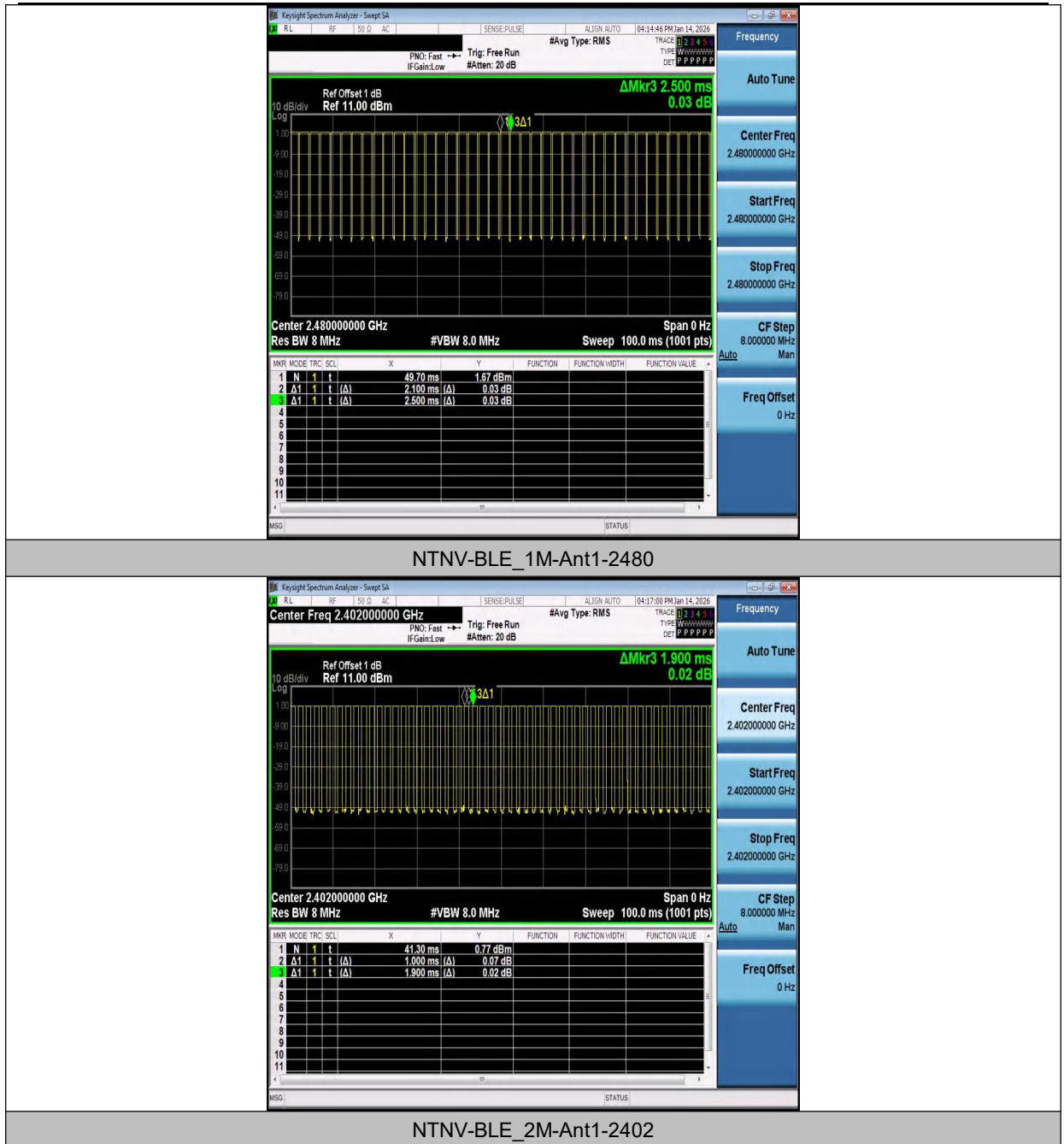
Test Graphs



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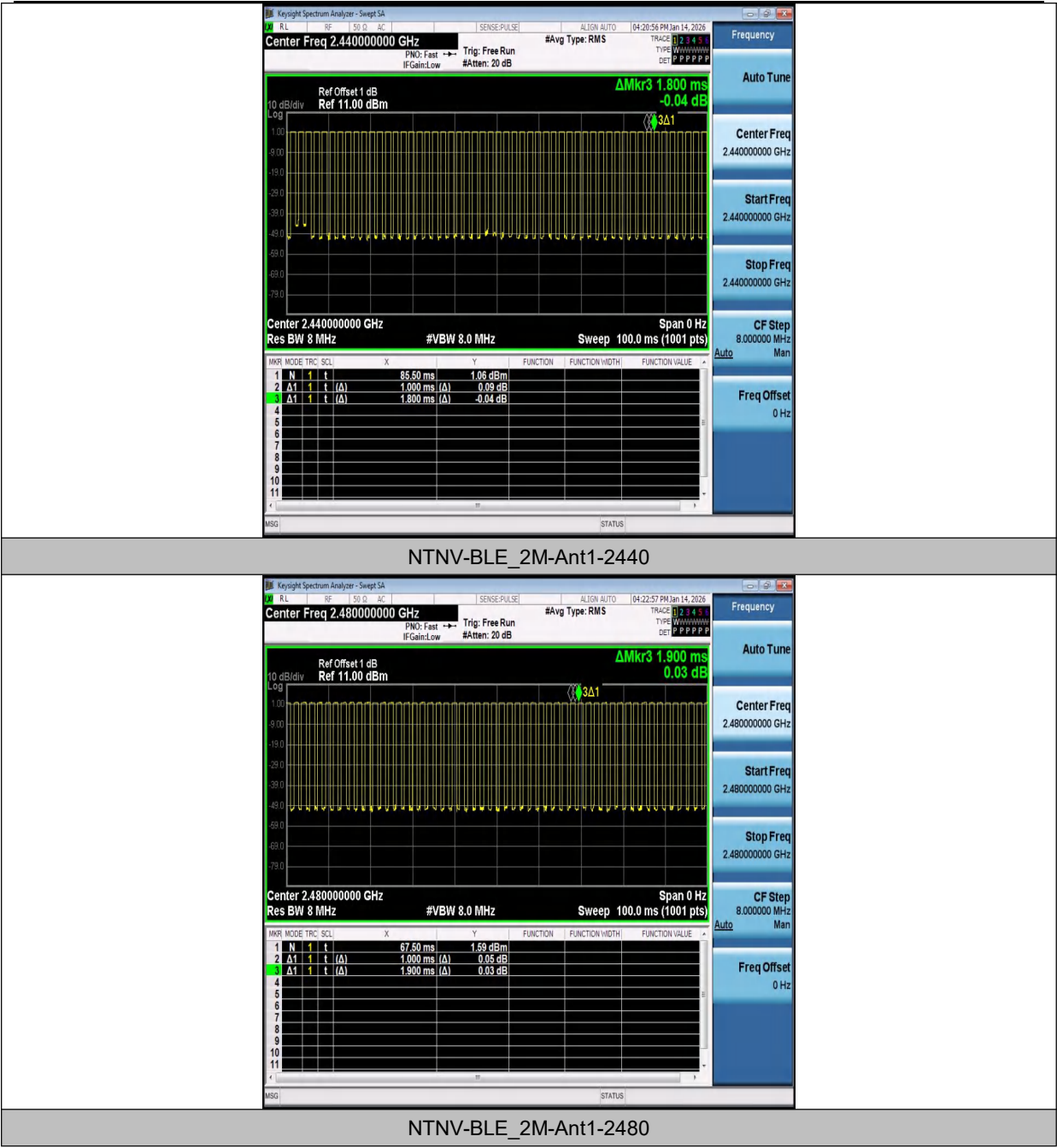
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