

Appendix Test Data

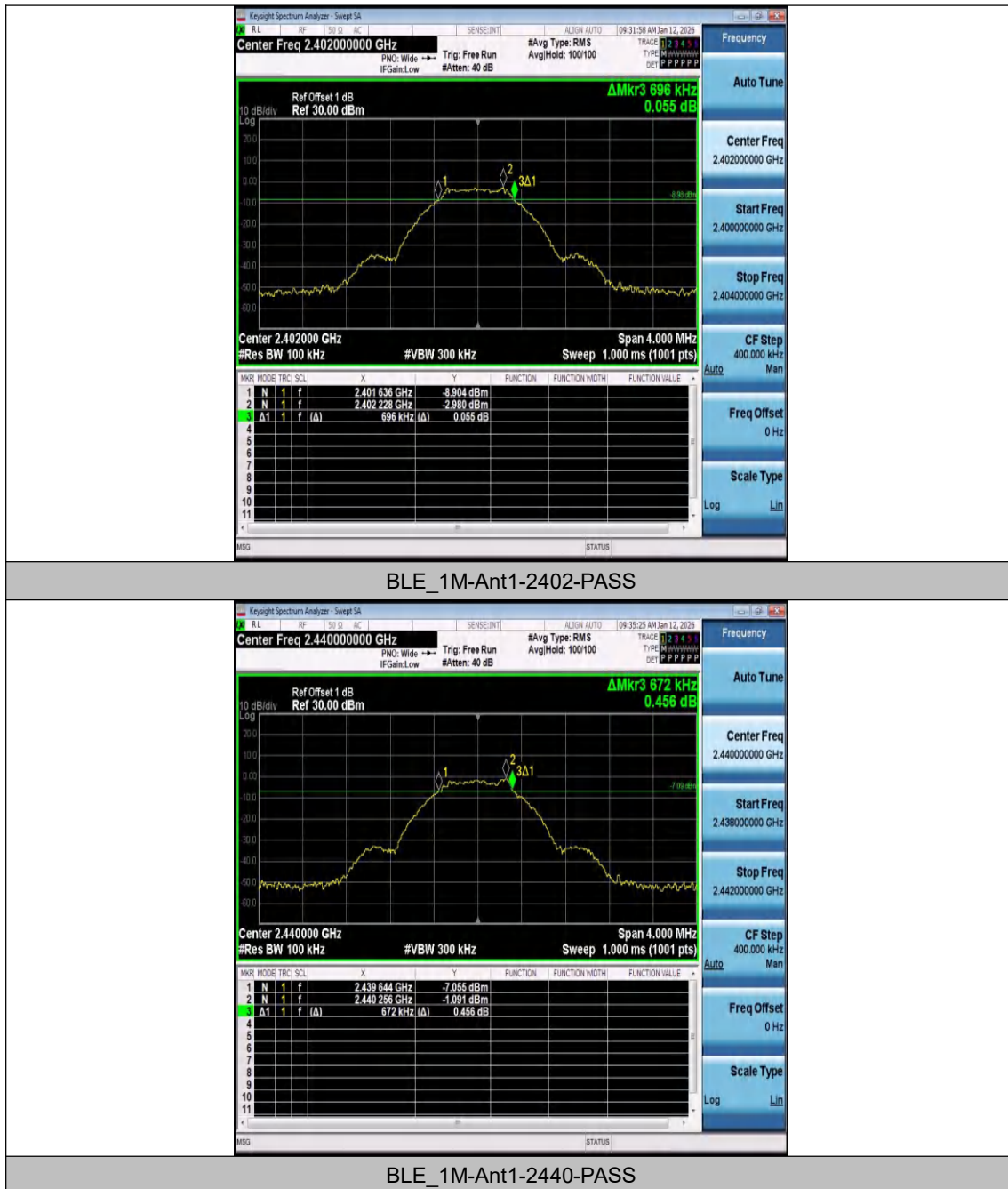
Report No.:	1812C60014712501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-6	Finish Test Date:	2026-1-12
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.3°C	Relative Humidity:	35%
Pressure:	101kPa		

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	0.696	2401.636	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.644	2440.316	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.664	2480.320	0.5	PASS
BLE_2M	Ant1	2402	1.184	2401.396	2402.580	0.5	PASS
BLE_2M	Ant1	2440	1.260	2439.332	2440.592	0.5	PASS
BLE_2M	Ant1	2480	1.128	2479.452	2480.580	0.5	PASS

Test Graphs





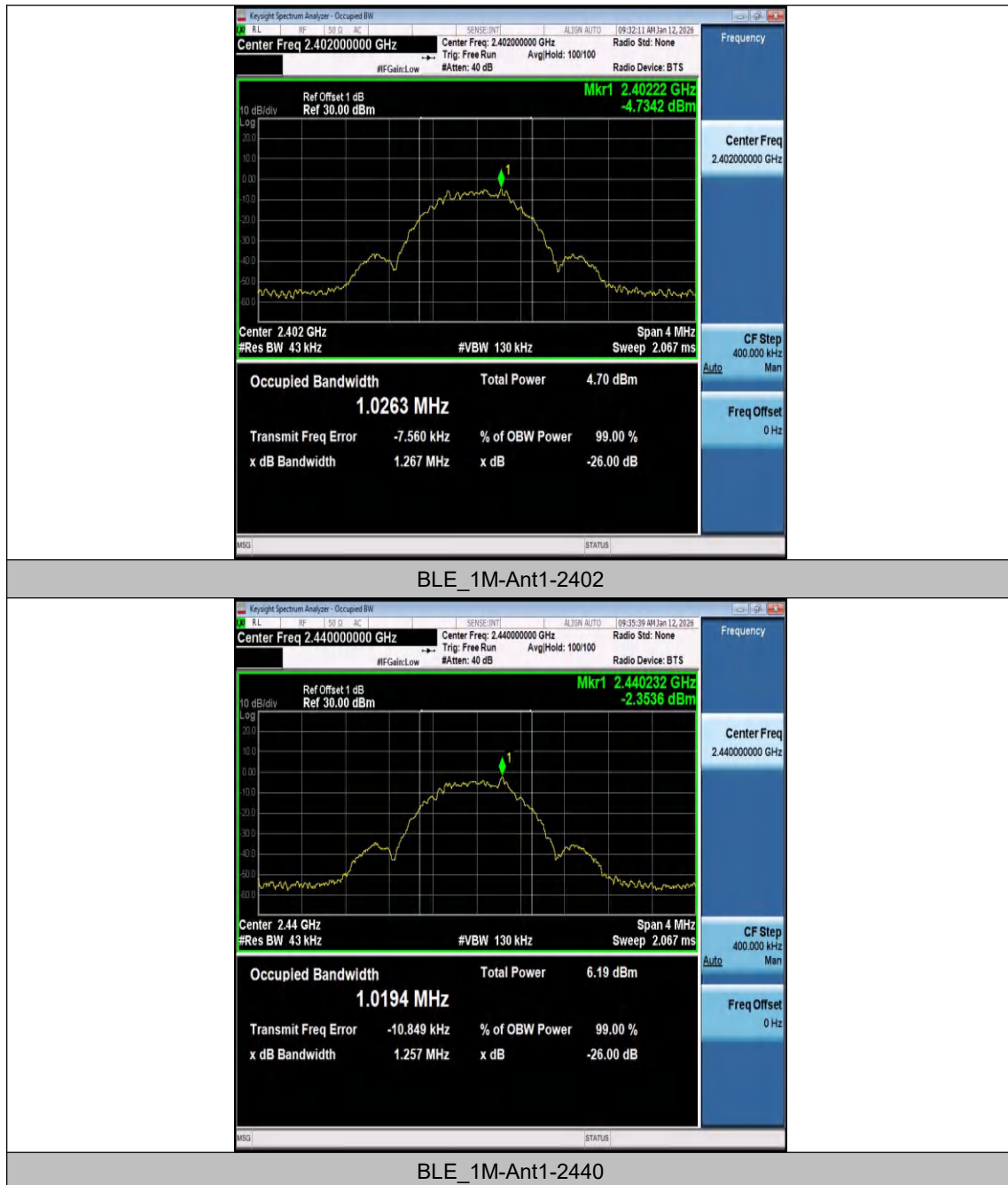


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0263	2401.4793	2402.5056	---	---
BLE_1M	Ant1	2440	1.0194	2439.4795	2440.4989	---	---
BLE_1M	Ant1	2480	1.0238	2479.4765	2480.5003	---	---
BLE_2M	Ant1	2402	2.0714	2400.9691	2403.0405	---	---
BLE_2M	Ant1	2440	2.0646	2438.9723	2441.0369	---	---
BLE_2M	Ant1	2480	2.0730	2478.9673	2481.0403	---	---

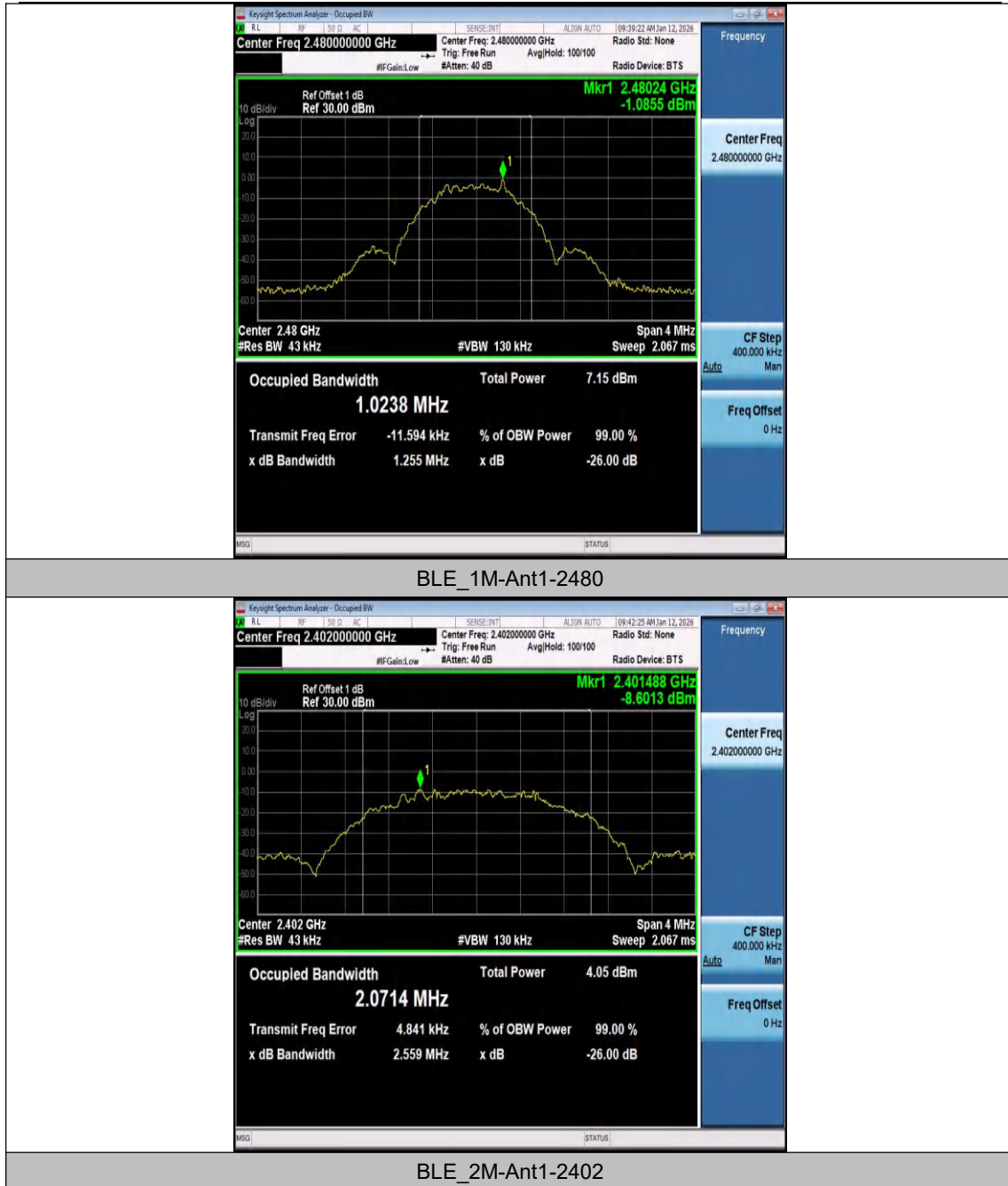
Test Graphs



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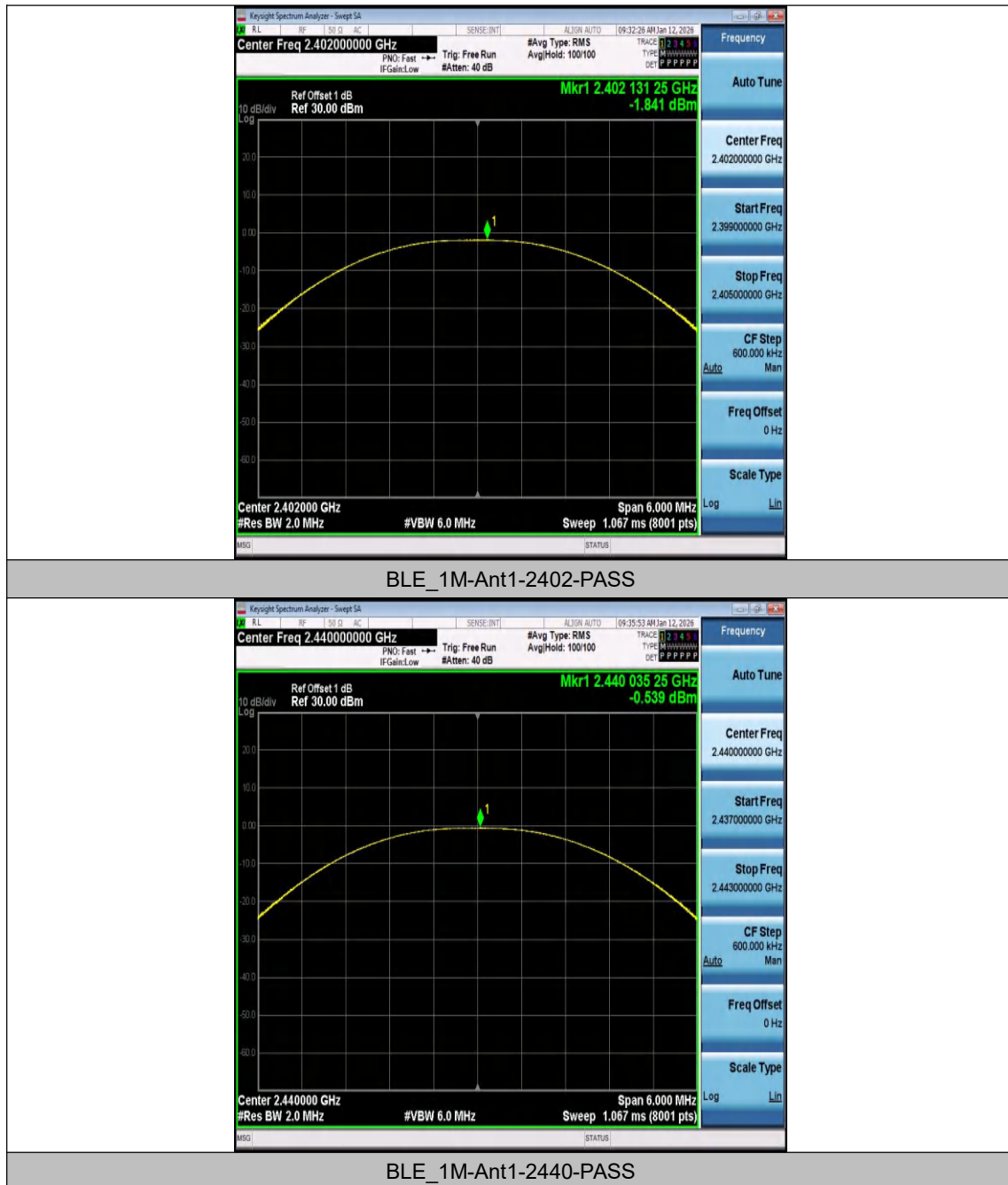
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.84	≤30	PASS
BLE_1M	Ant1	2440	-0.54	≤30	PASS
BLE_1M	Ant1	2480	0.58	≤30	PASS
BLE_2M	Ant1	2402	-1.95	≤30	PASS
BLE_2M	Ant1	2440	-0.66	≤30	PASS
BLE_2M	Ant1	2480	0.47	≤30	PASS

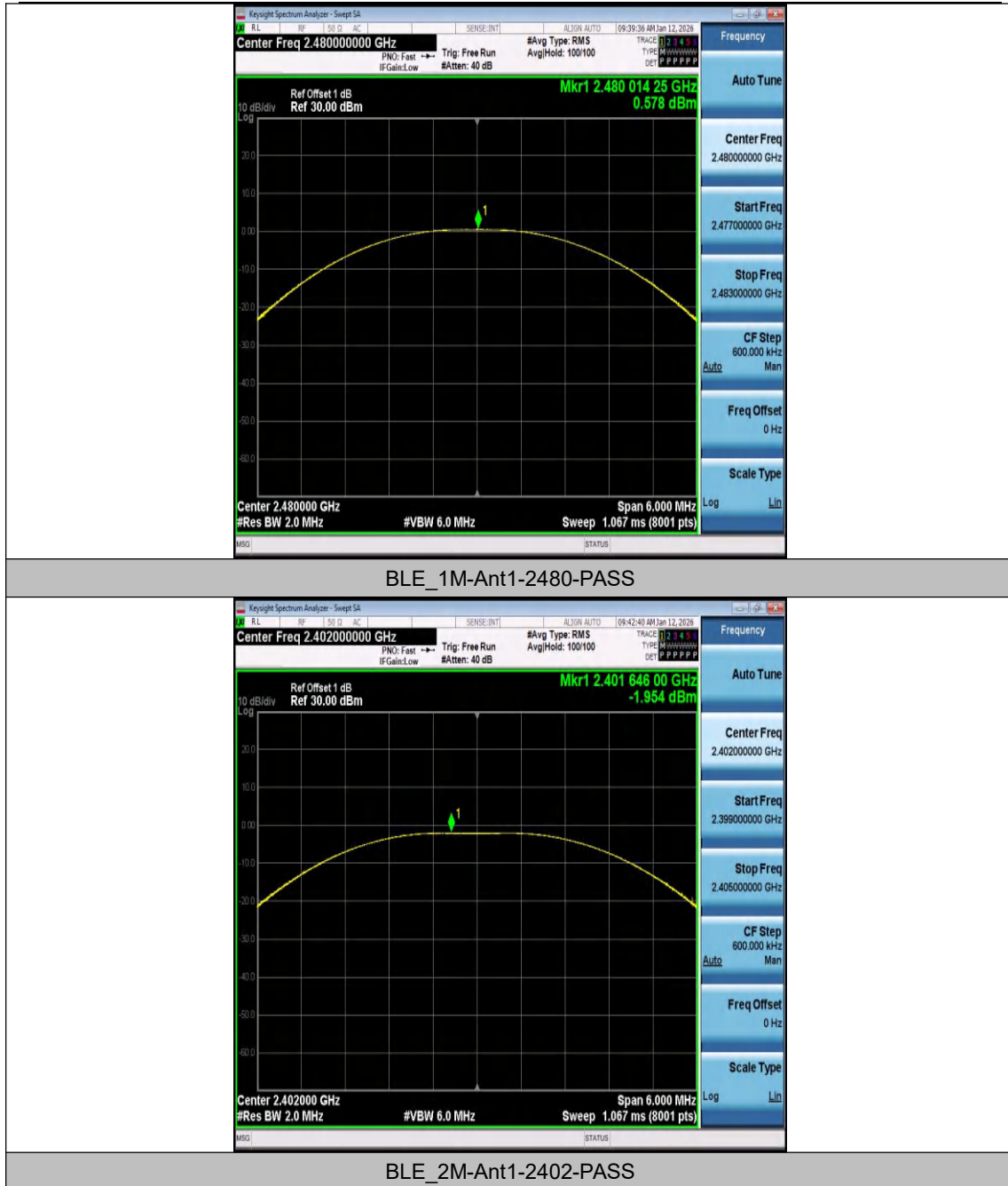
Test Graphs Peak



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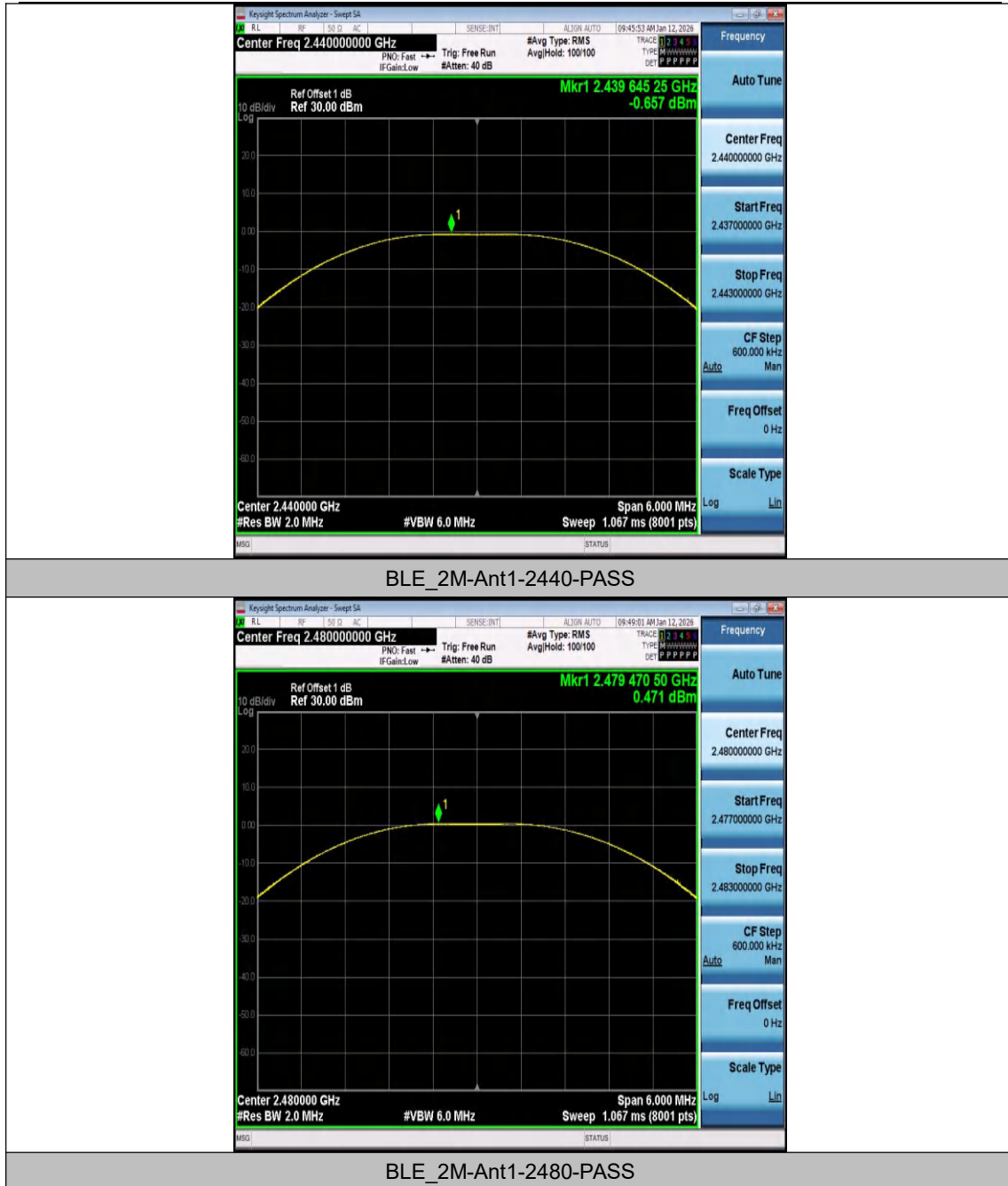
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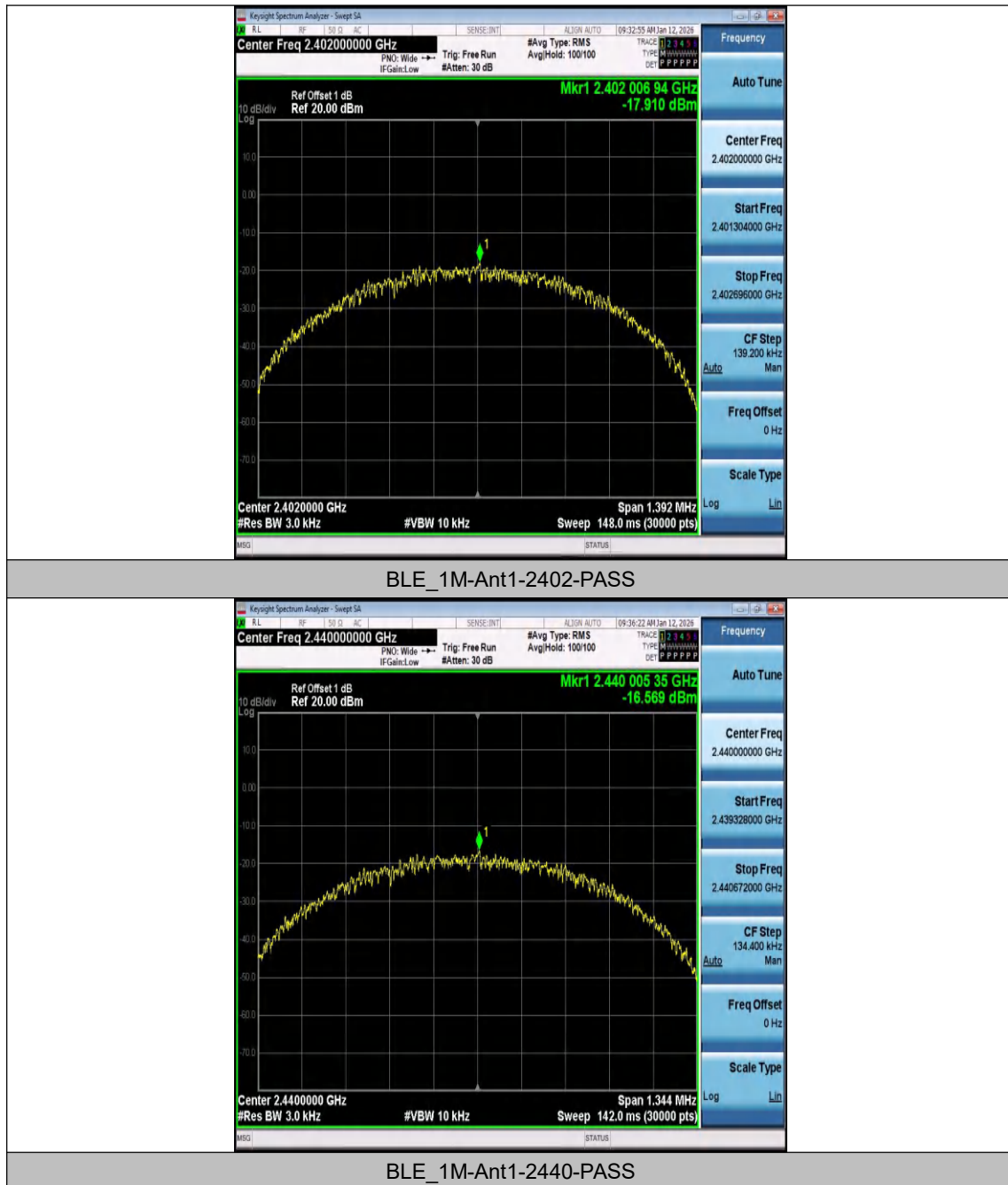
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.91	≤8.00	PASS
BLE_1M	Ant1	2440	-16.57	≤8.00	PASS
BLE_1M	Ant1	2480	-15.44	≤8.00	PASS
BLE_2M	Ant1	2402	-21.29	≤8.00	PASS
BLE_2M	Ant1	2440	-20.01	≤8.00	PASS
BLE_2M	Ant1	2480	-18.87	≤8.00	PASS

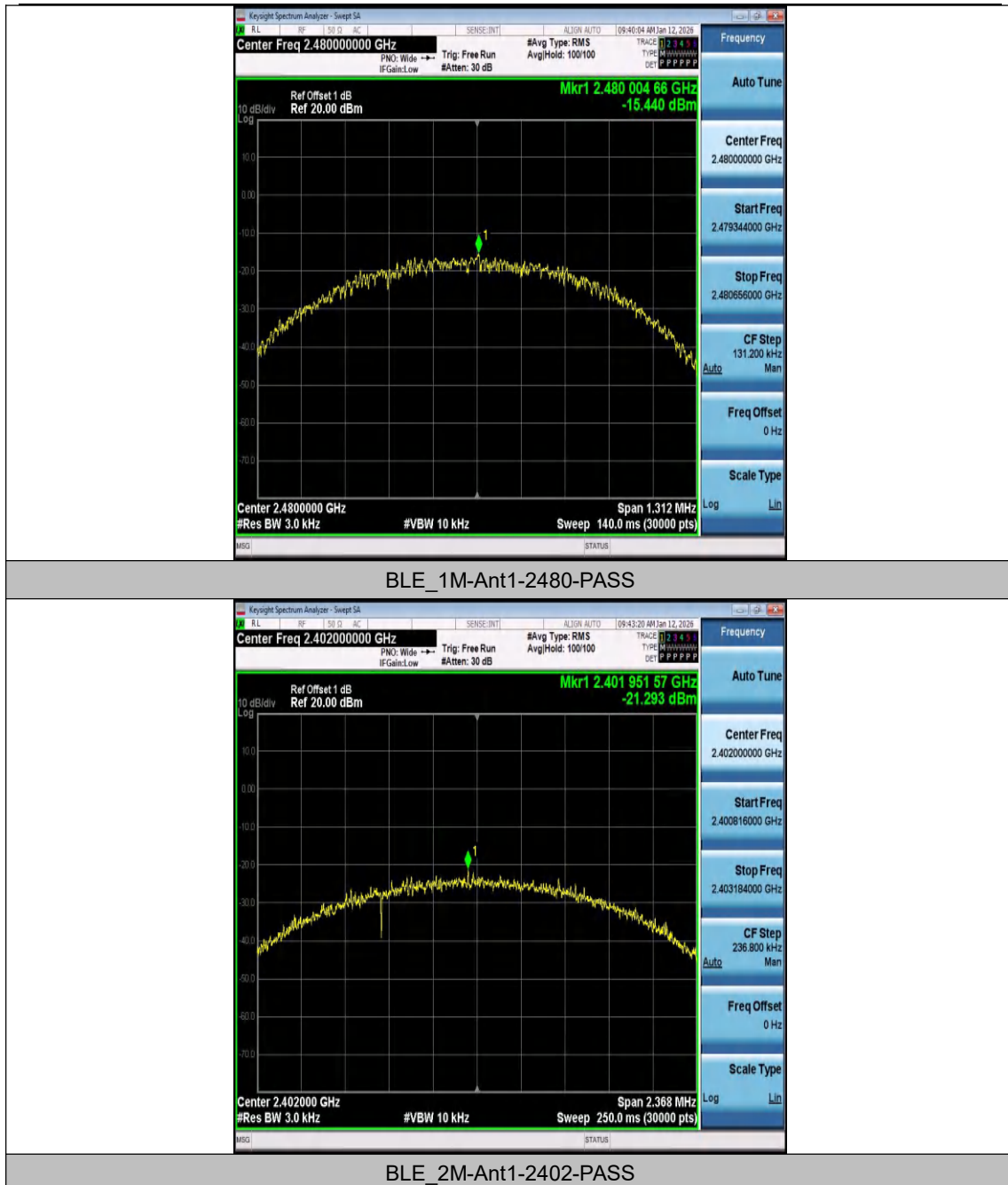
Test Graphs



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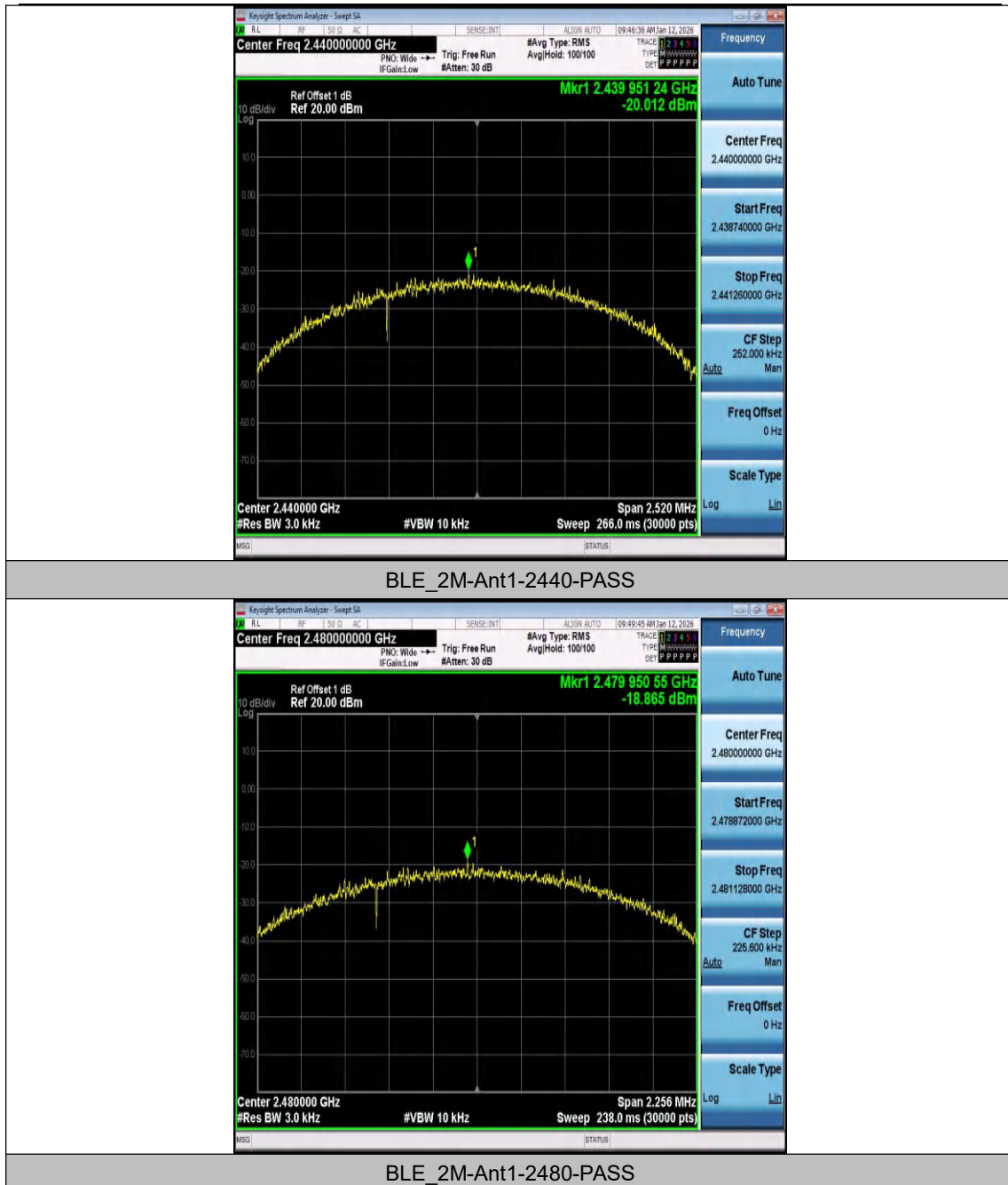
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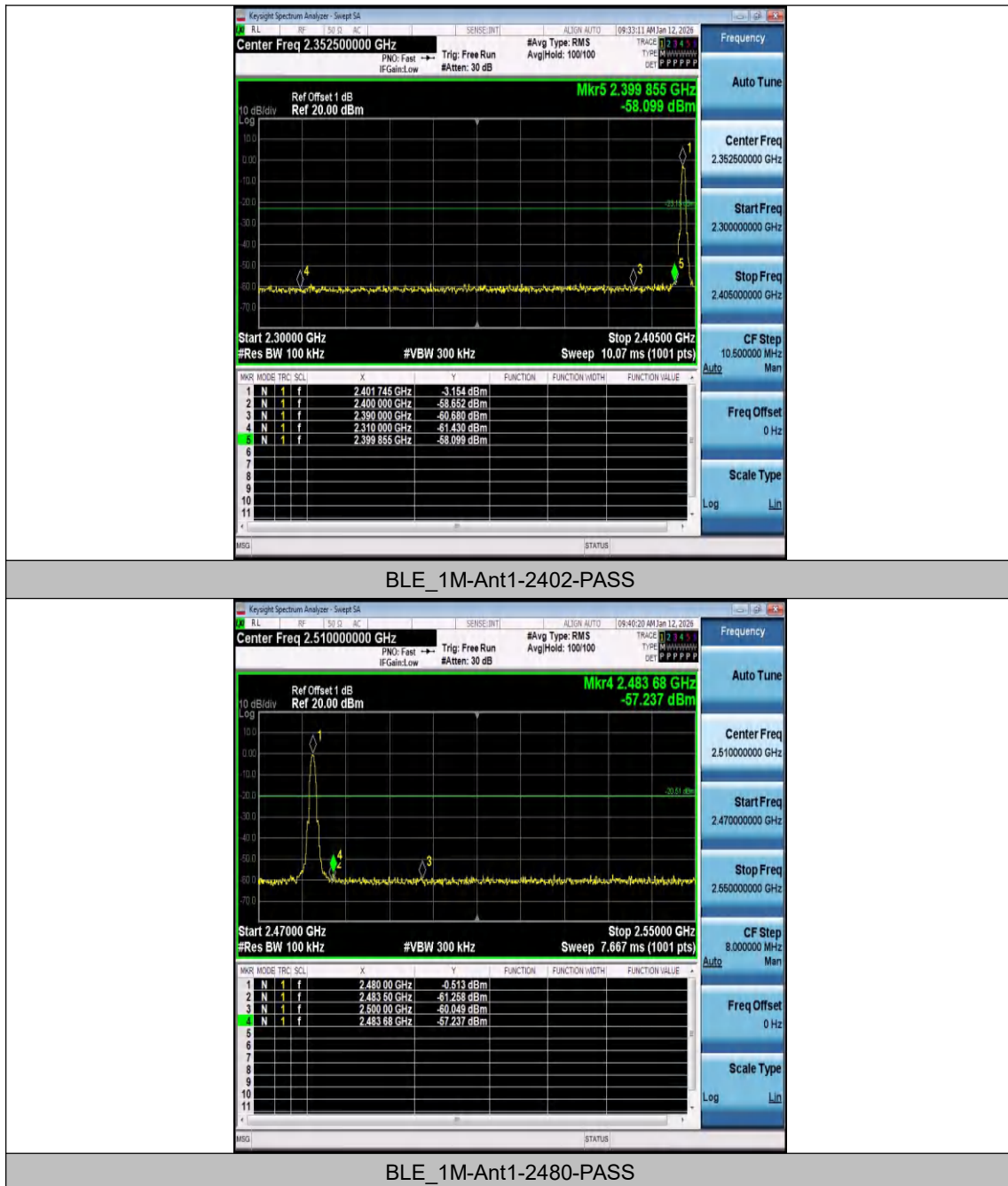
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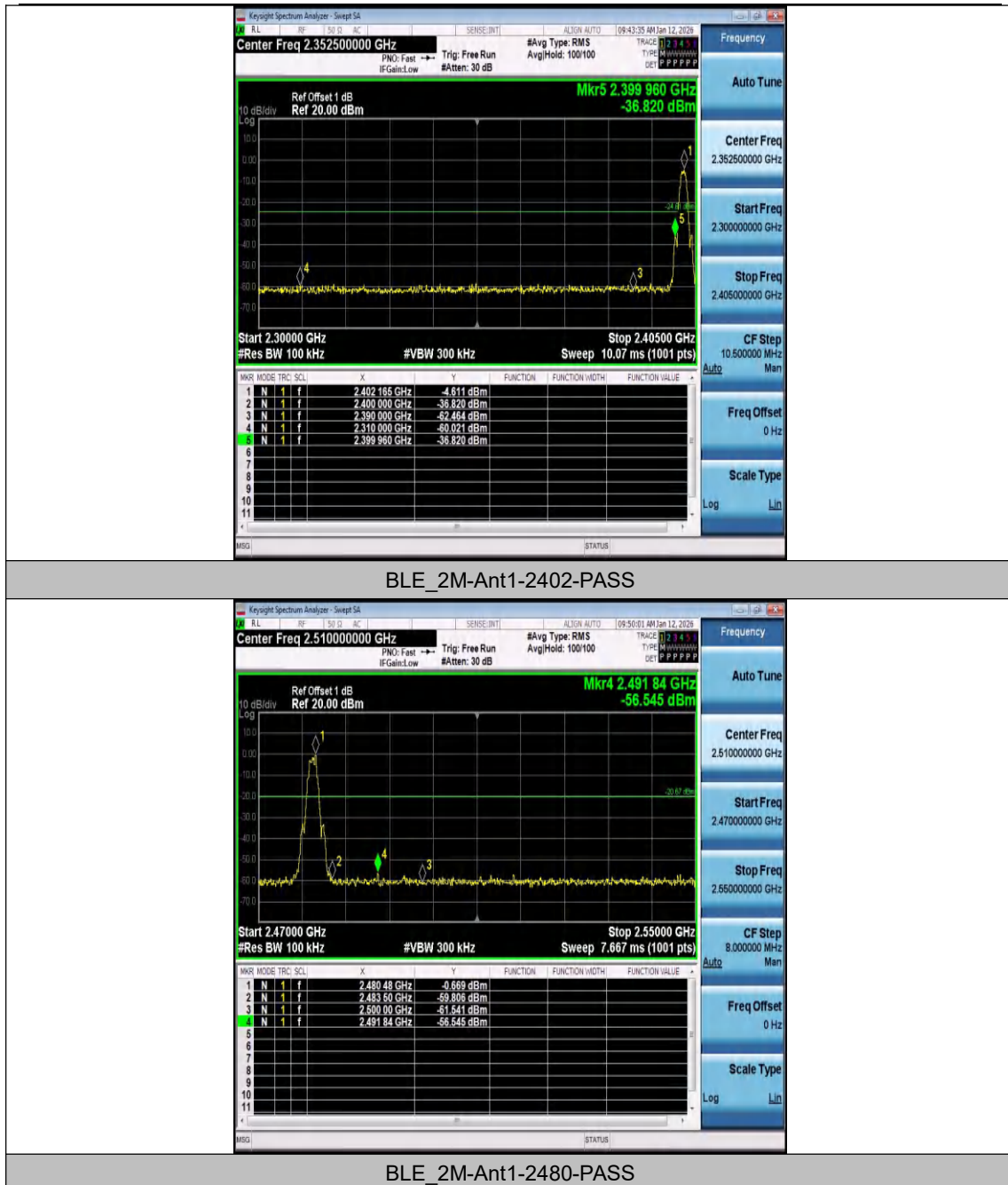
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.15	-58.1	≤-23.15	PASS
BLE_1M	Ant1	High	2480	-0.51	-57.24	≤-20.51	PASS
BLE_2M	Ant1	Low	2402	-4.61	-36.82	≤-24.61	PASS
BLE_2M	Ant1	High	2480	-0.67	-56.55	≤-20.67	PASS

Test Graphs





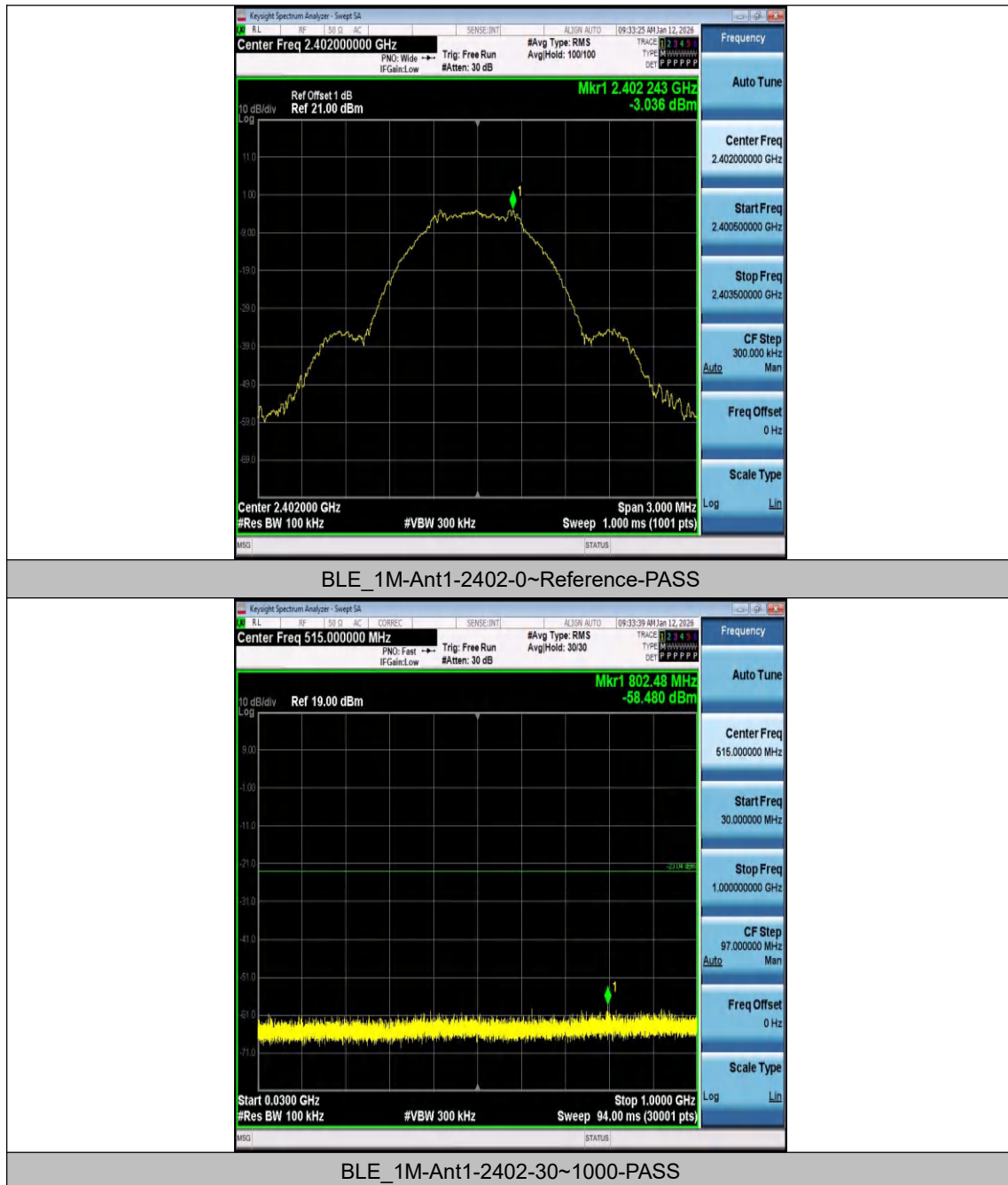
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.04	-3.04	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.04	-58.48	≤-23.04	PASS
BLE_1M	Ant1	2402	1000~26500	-3.04	-49.03	≤-23.04	PASS
BLE_1M	Ant1	2440	0~Reference	-1.24	-1.24	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.24	-59.38	≤-21.24	PASS
BLE_1M	Ant1	2440	1000~26500	-1.24	-48.88	≤-21.24	PASS
BLE_1M	Ant1	2480	0~Reference	-0.76	-0.76	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.76	-58.96	≤-20.76	PASS
BLE_1M	Ant1	2480	1000~26500	-0.76	-49.54	≤-20.76	PASS
BLE_2M	Ant1	2402	0~Reference	-4.70	-4.70	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.70	-59.54	≤-24.7	PASS
BLE_2M	Ant1	2402	1000~26500	-4.70	-48.85	≤-24.7	PASS
BLE_2M	Ant1	2440	0~Reference	-2.04	-2.04	---	PASS
BLE_2M	Ant1	2440	30~1000	-2.04	-59.49	≤-22.04	PASS
BLE_2M	Ant1	2440	1000~26500	-2.04	-49.24	≤-22.04	PASS
BLE_2M	Ant1	2480	0~Reference	-0.84	-0.84	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.84	-59.08	≤-20.84	PASS
BLE_2M	Ant1	2480	1000~26500	-0.84	-48.74	≤-20.84	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.

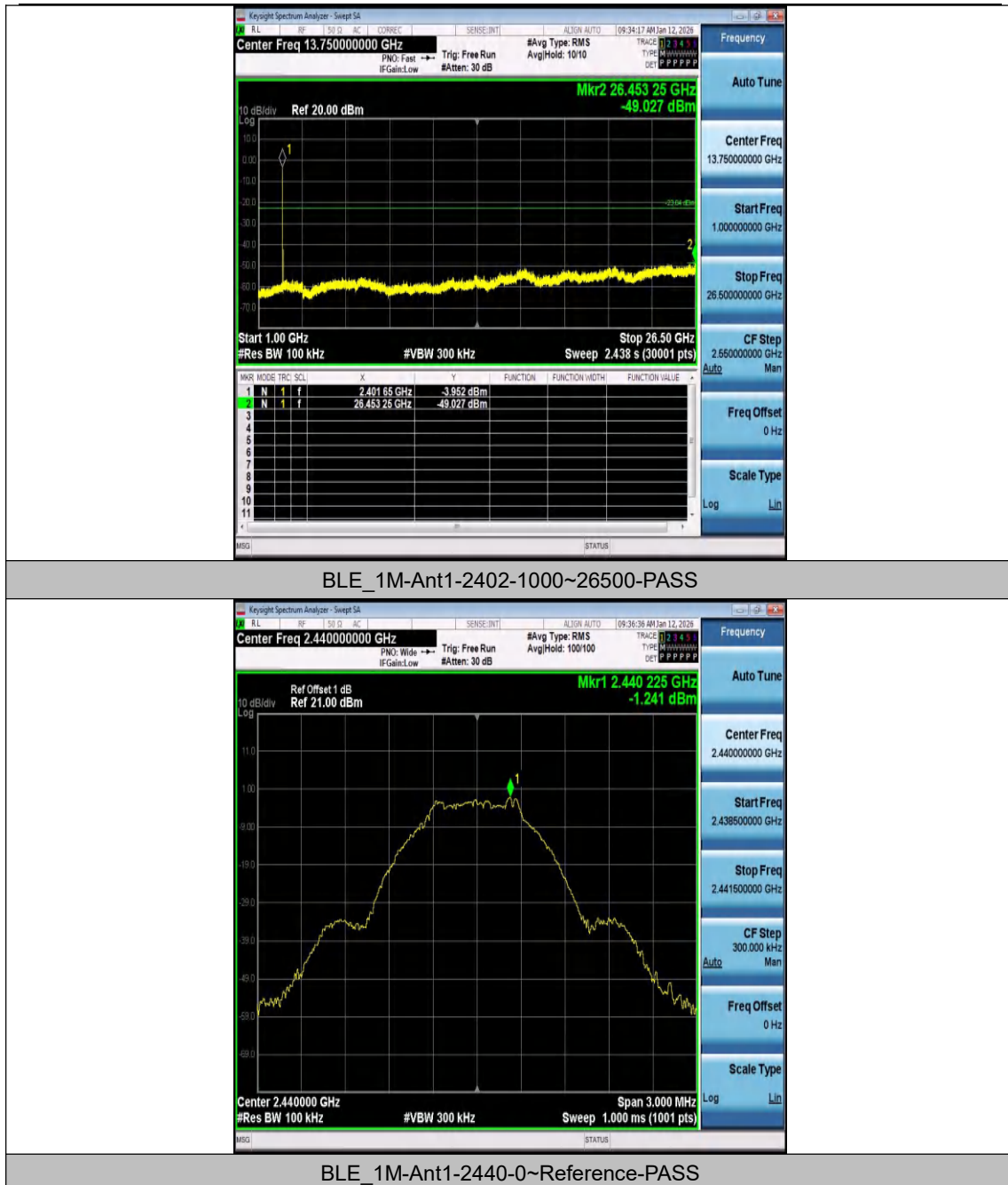
Test Graphs

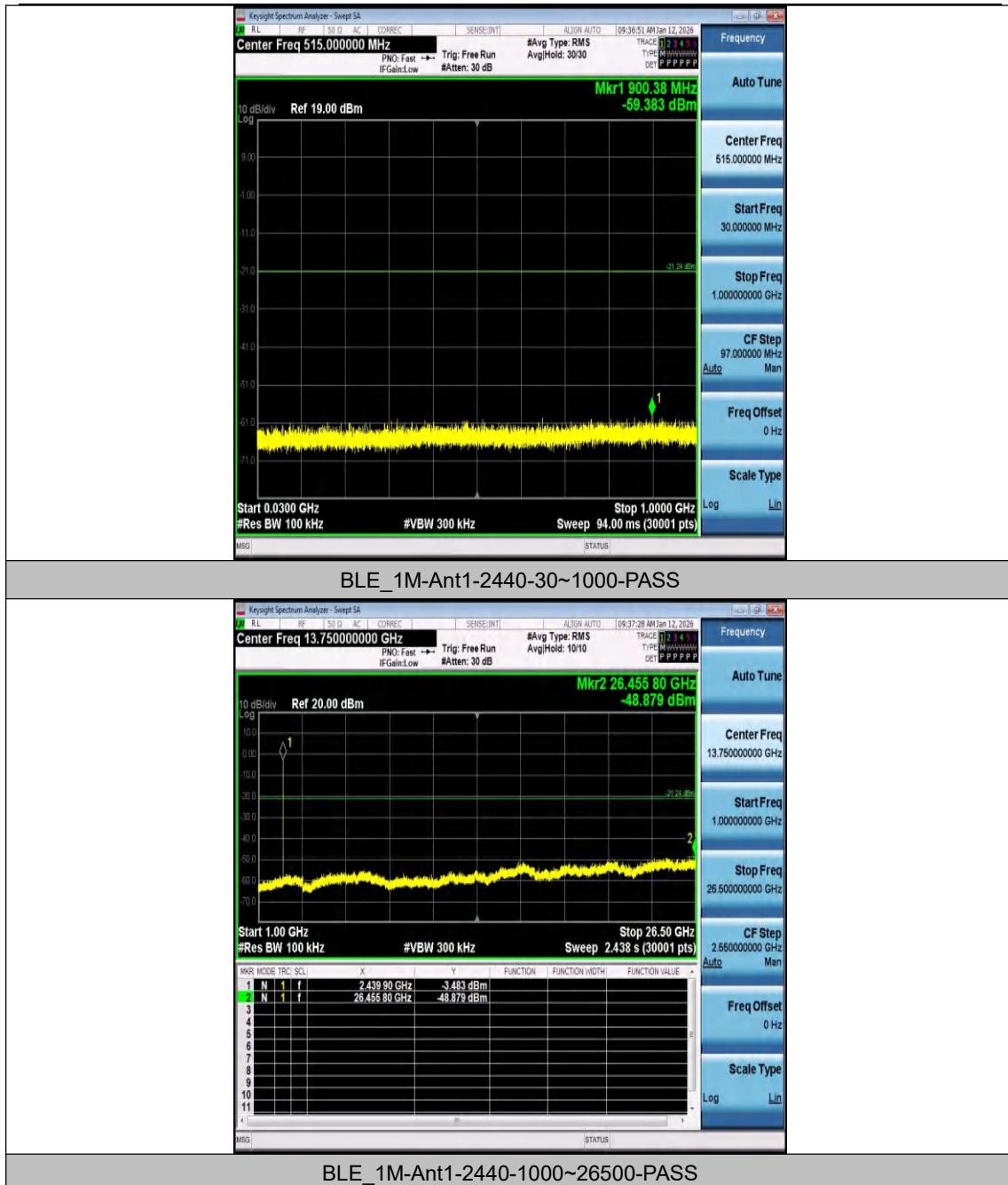


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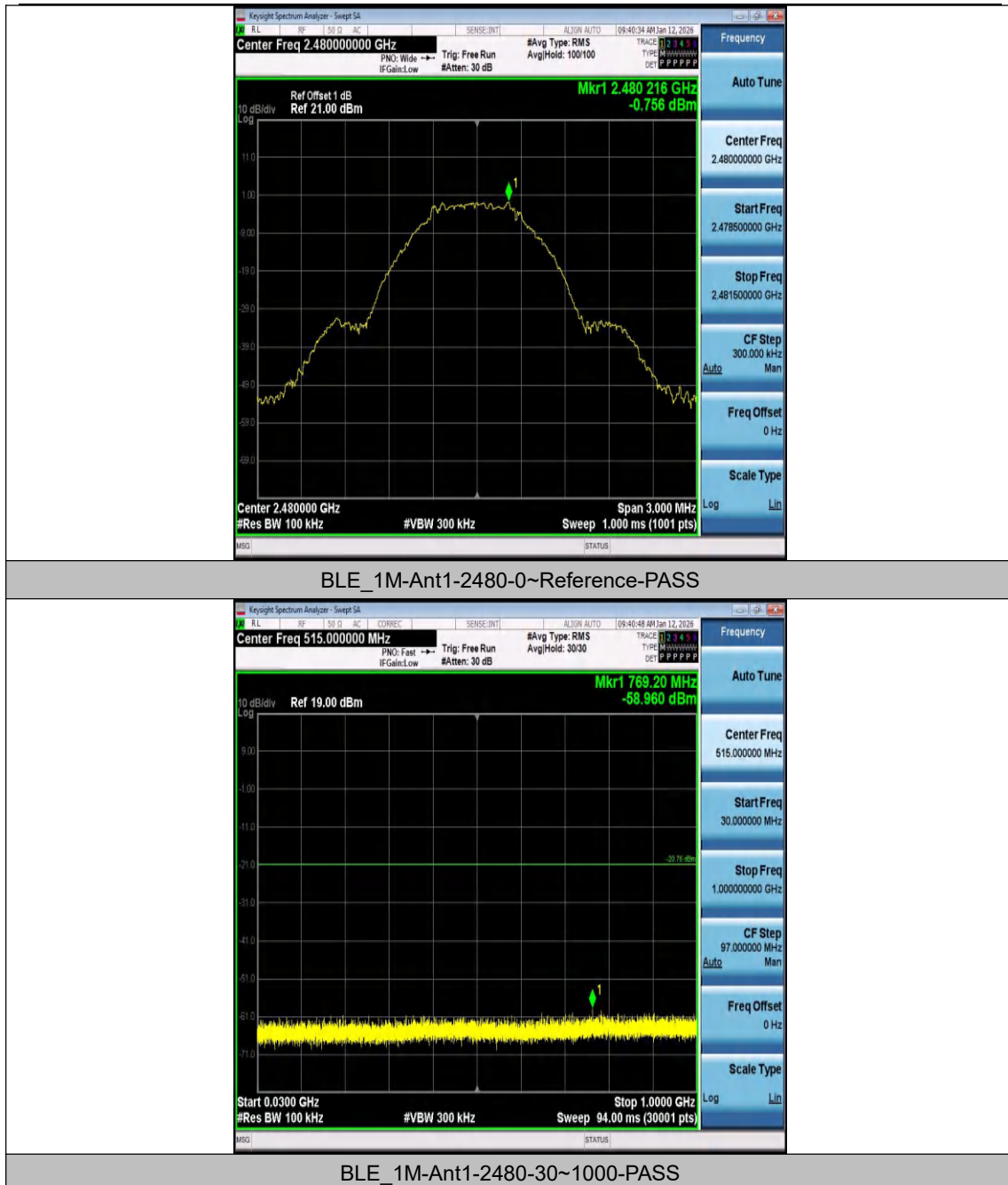




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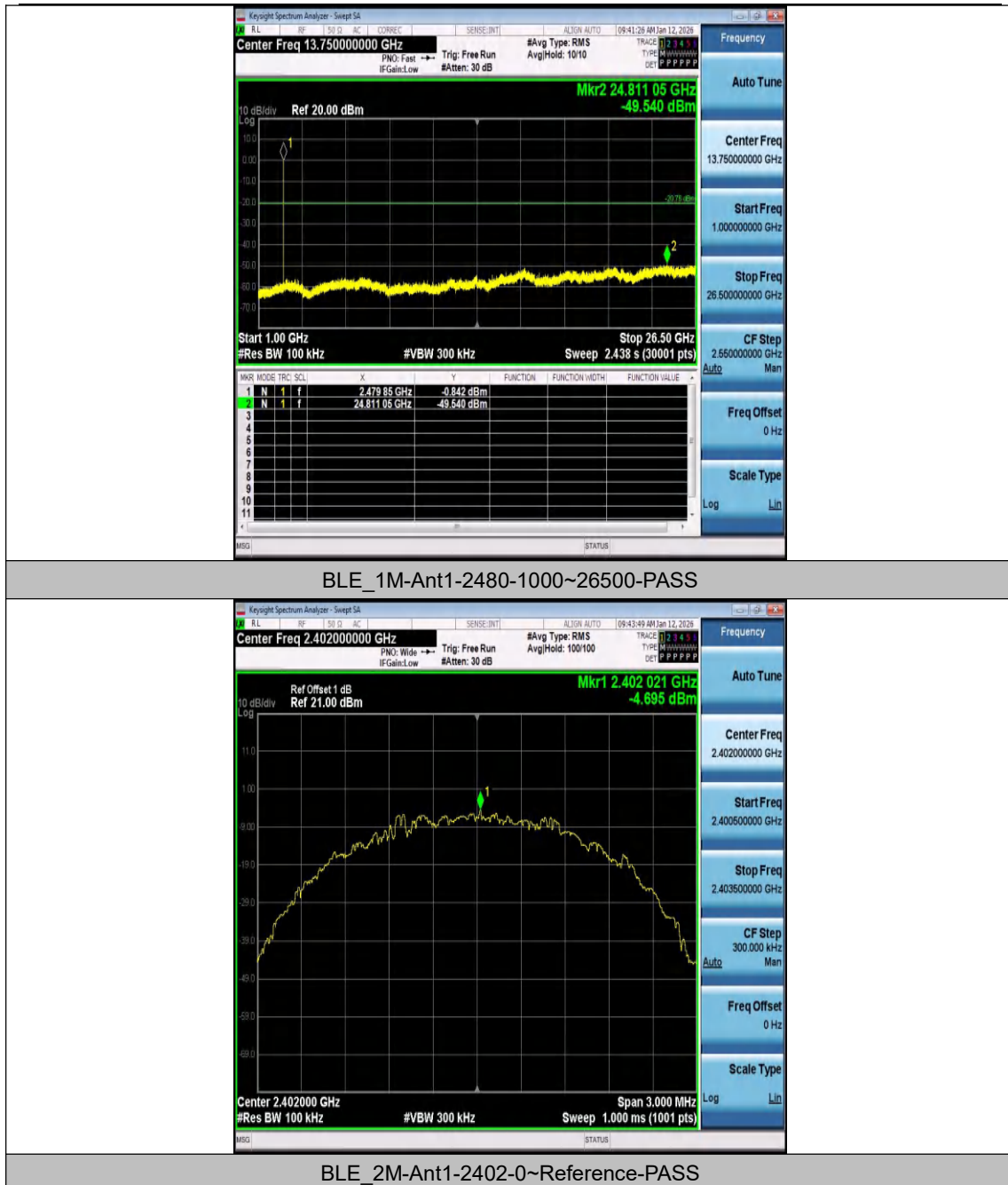
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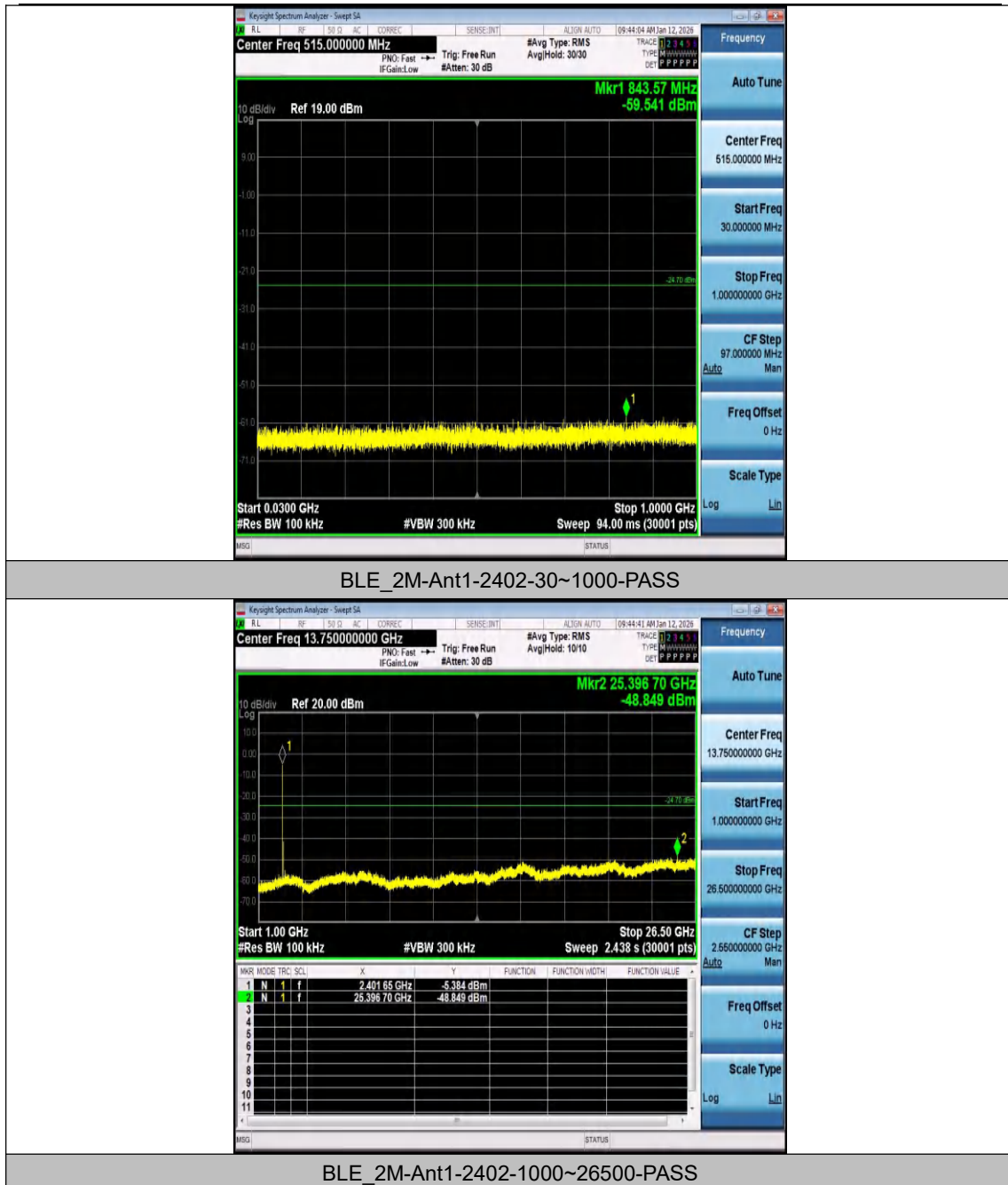
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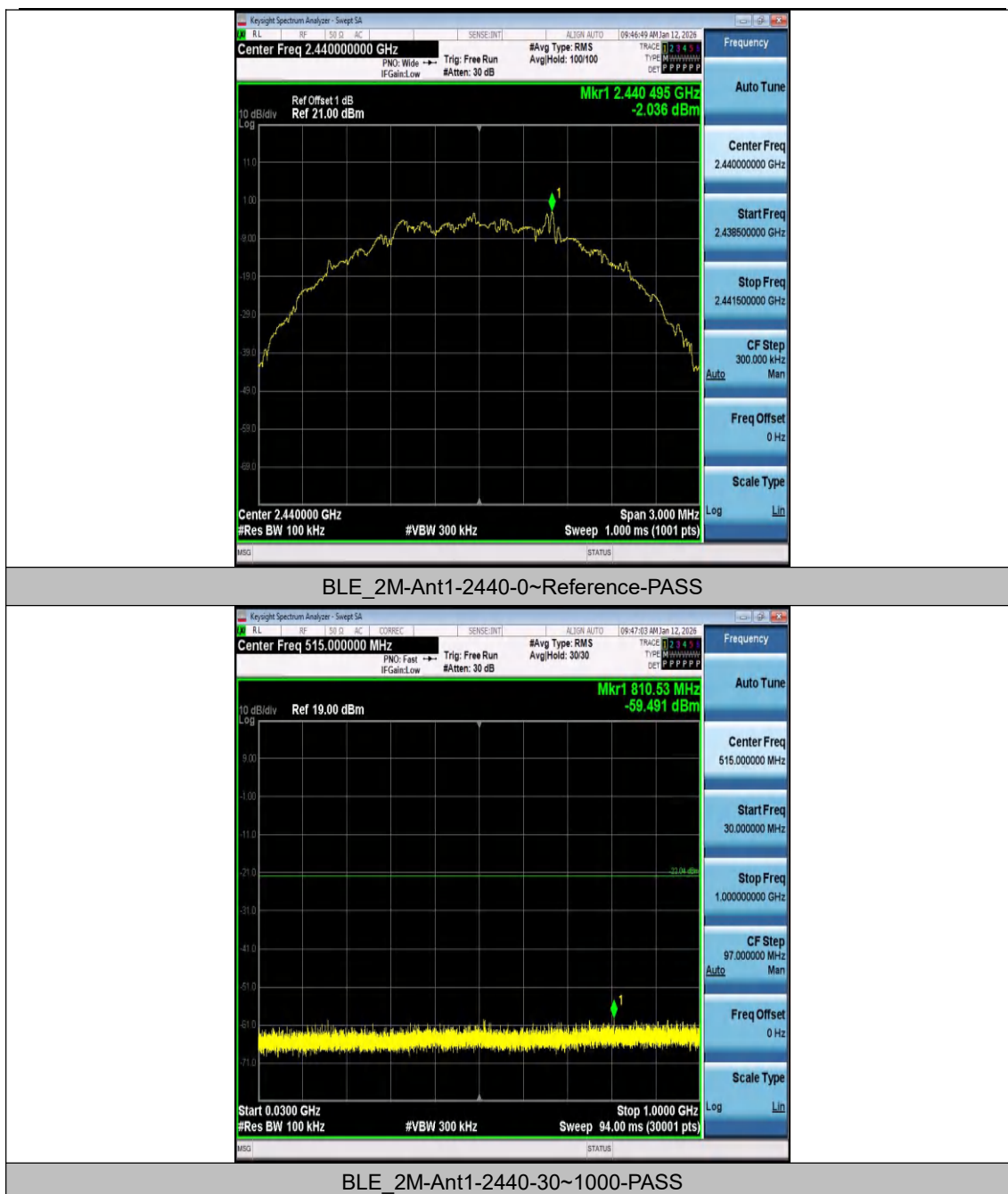


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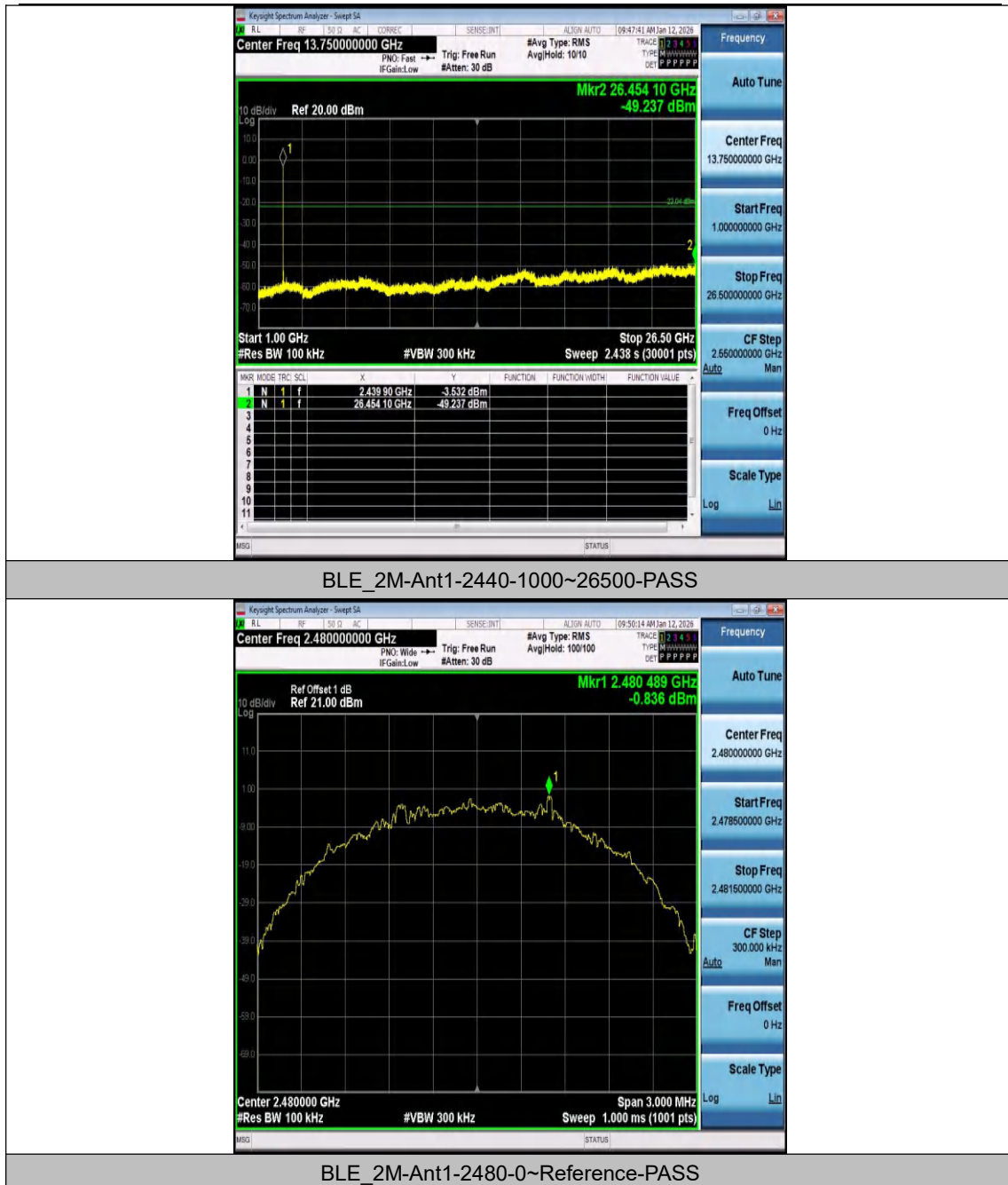




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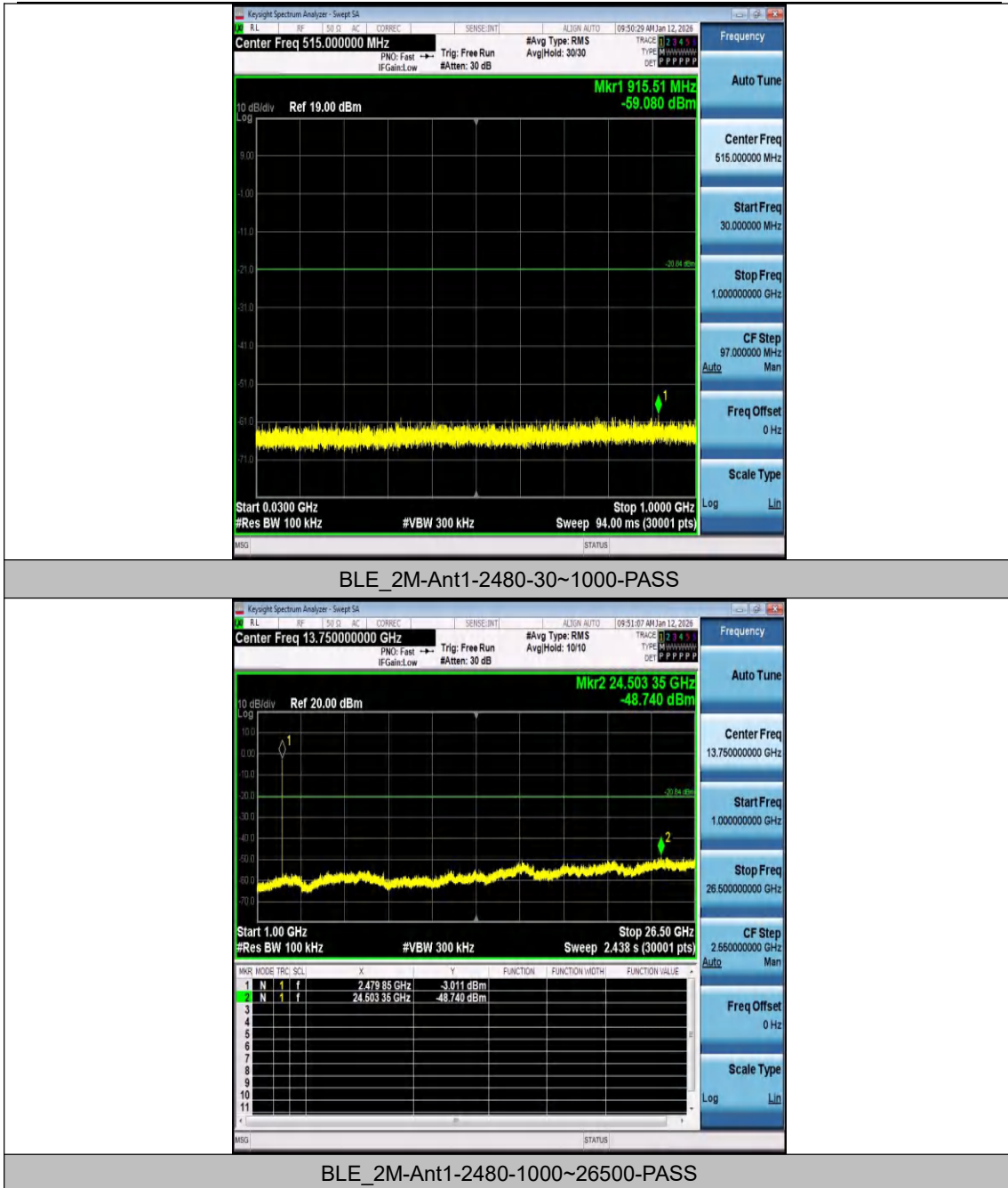
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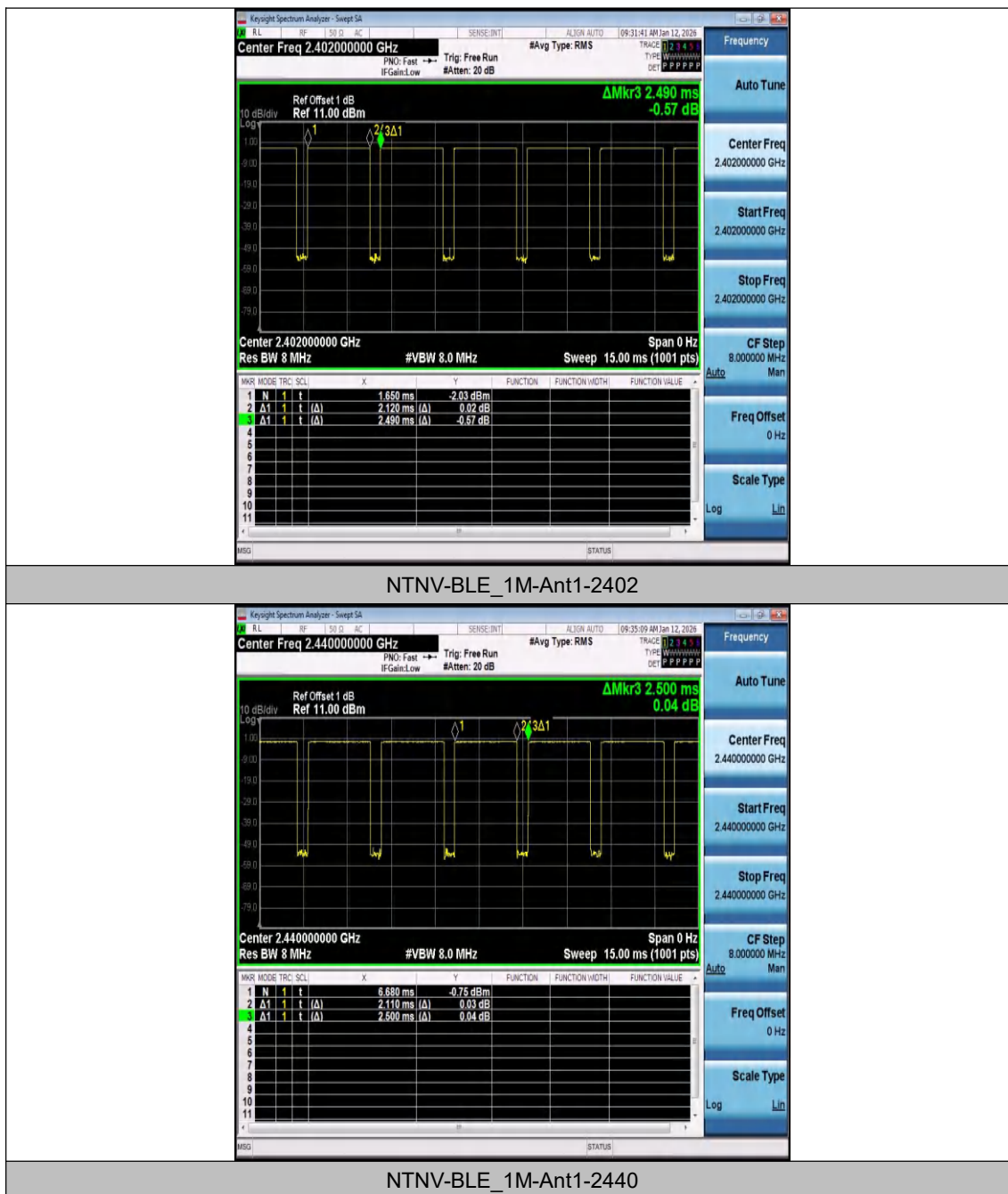
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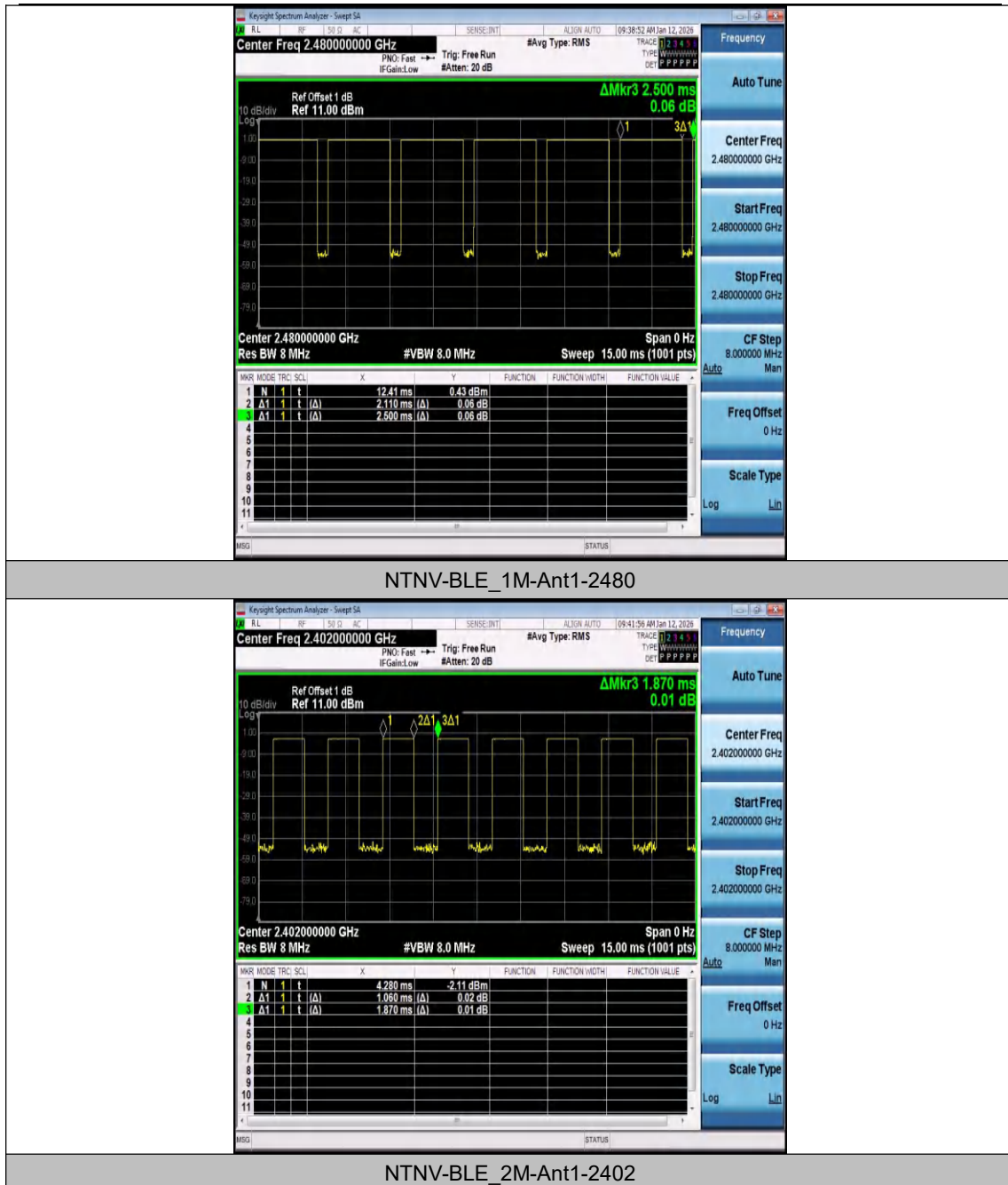
Appendix G: Duty Cycle

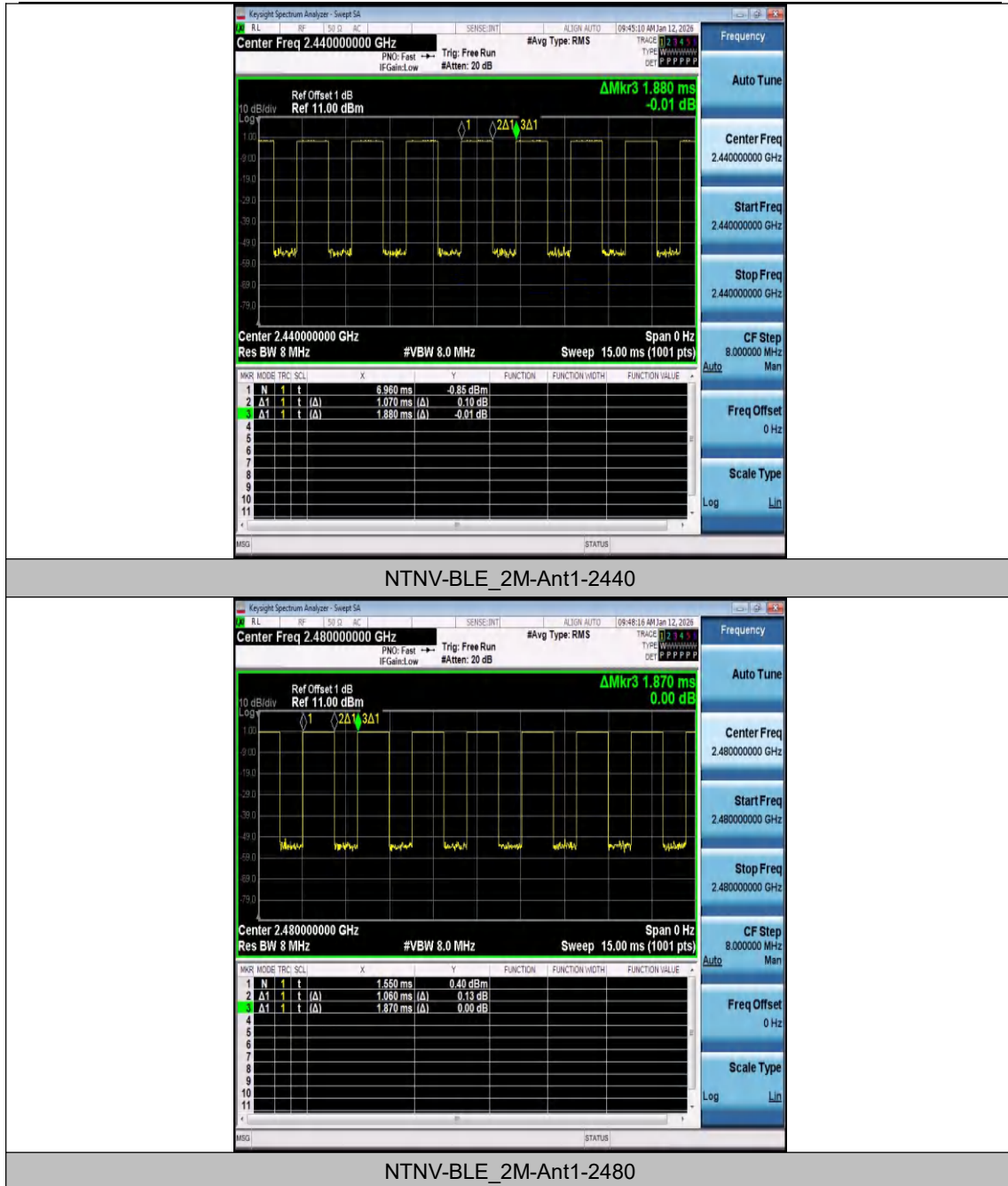
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2440	2.11	2.50	84.40	0.74
BLE_1M	Ant1	2480	2.11	2.50	84.40	0.74
BLE_2M	Ant1	2402	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2440	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2480	1.06	1.87	56.68	2.47

Test Graphs







---End---