

Appendix Test Data

Report No.:	1811C60019316201-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-26	Finish Test Date:	2026-1-30
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23.1℃	Relative Humidity:	52%
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	0.660	2401.676	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.708	2439.644	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.672	2480.340	0.5	PASS
BLE_2M	Ant1	2402	1.216	2401.360	2402.576	0.5	PASS
BLE_2M	Ant1	2440	1.196	2439.348	2440.544	0.5	PASS
BLE_2M	Ant1	2480	1.140	2479.448	2480.588	0.5	PASS

Test Graphs



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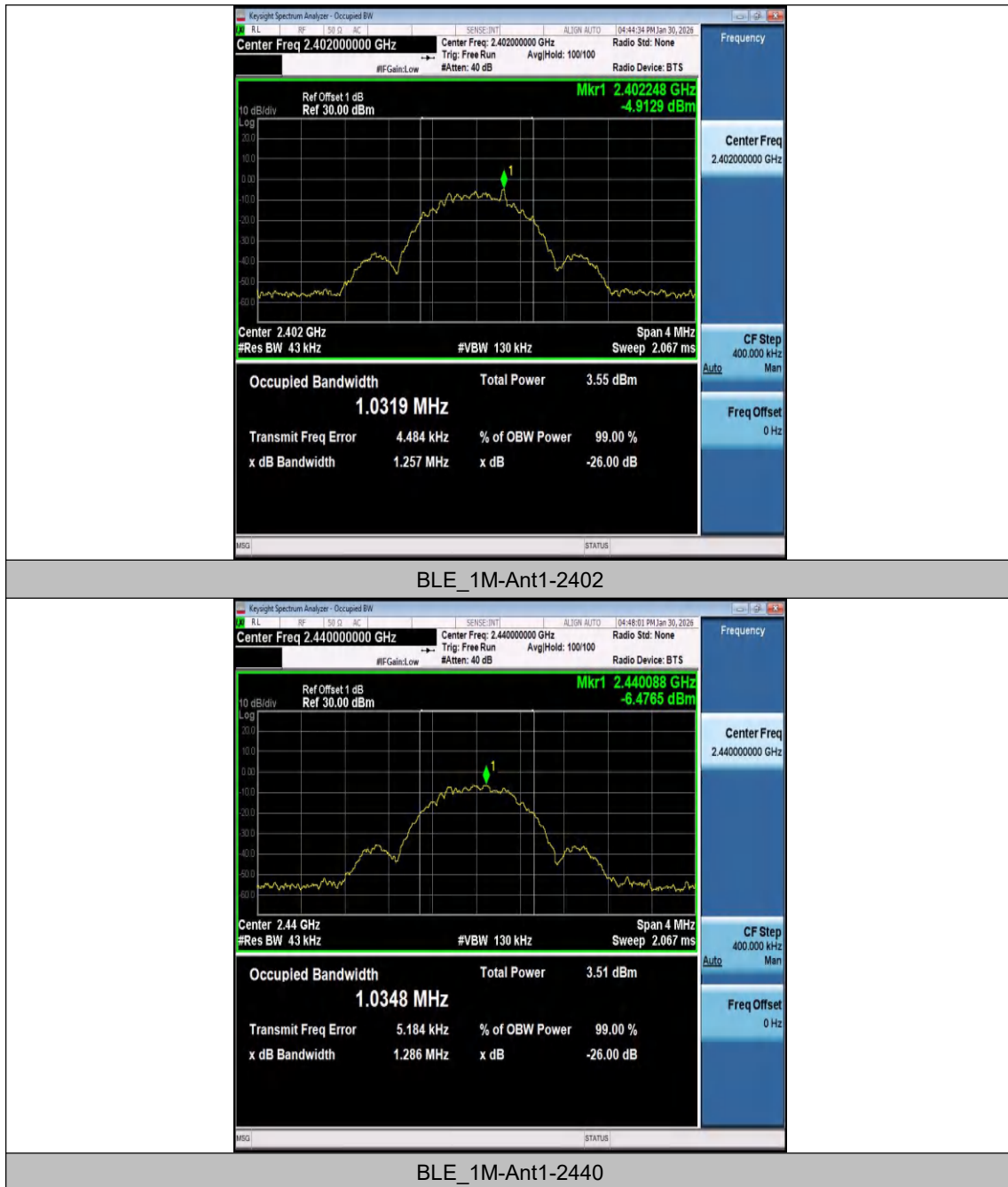
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0319	2401.4885	2402.5204	---	---
BLE_1M	Ant1	2440	1.0348	2439.4878	2440.5226	---	---
BLE_1M	Ant1	2480	1.0341	2479.4886	2480.5227	---	---
BLE_2M	Ant1	2402	2.0869	2400.9730	2403.0599	---	---
BLE_2M	Ant1	2440	2.0893	2438.9744	2441.0637	---	---
BLE_2M	Ant1	2480	2.0895	2478.9729	2481.0624	---	---

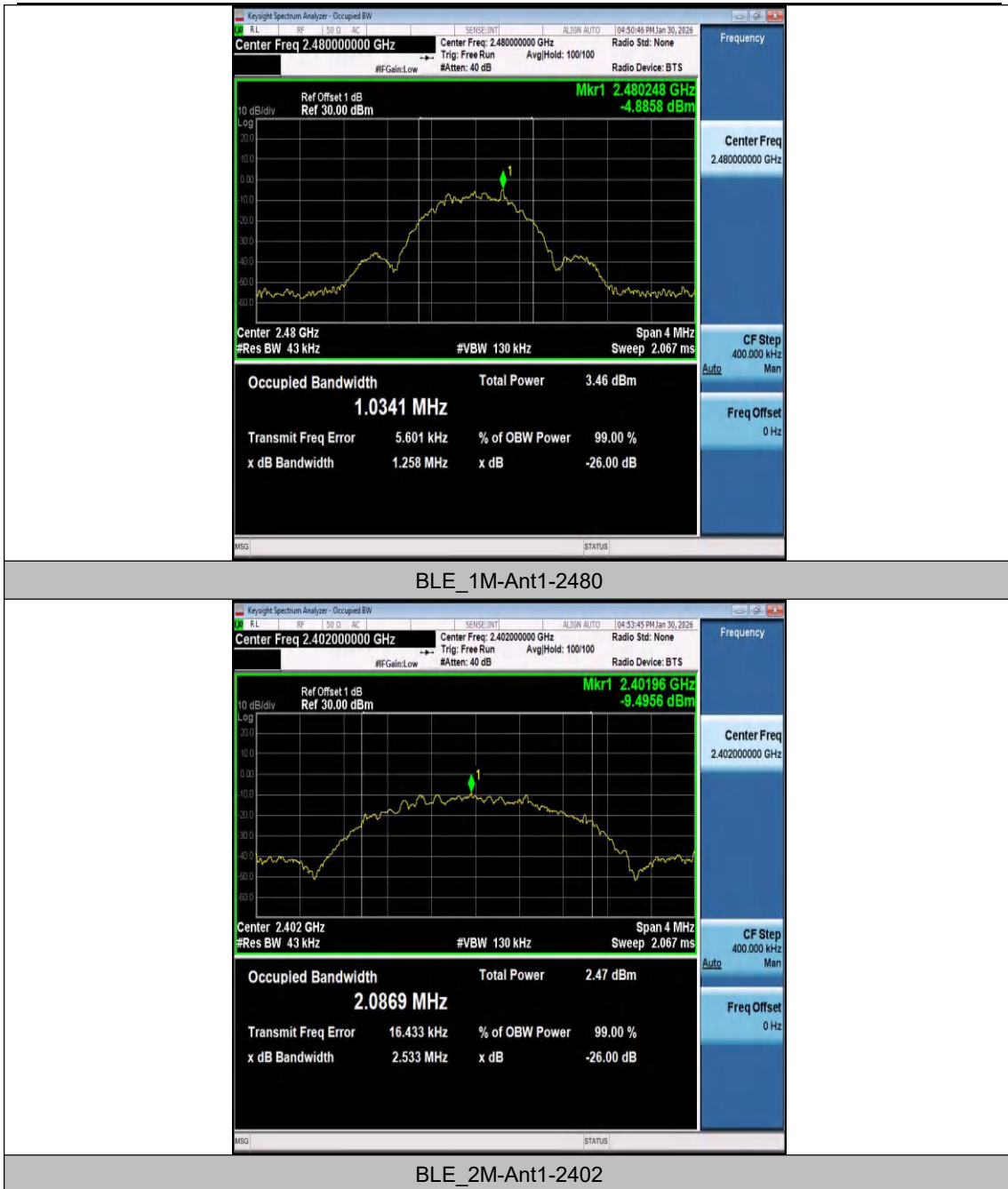
Test Graphs



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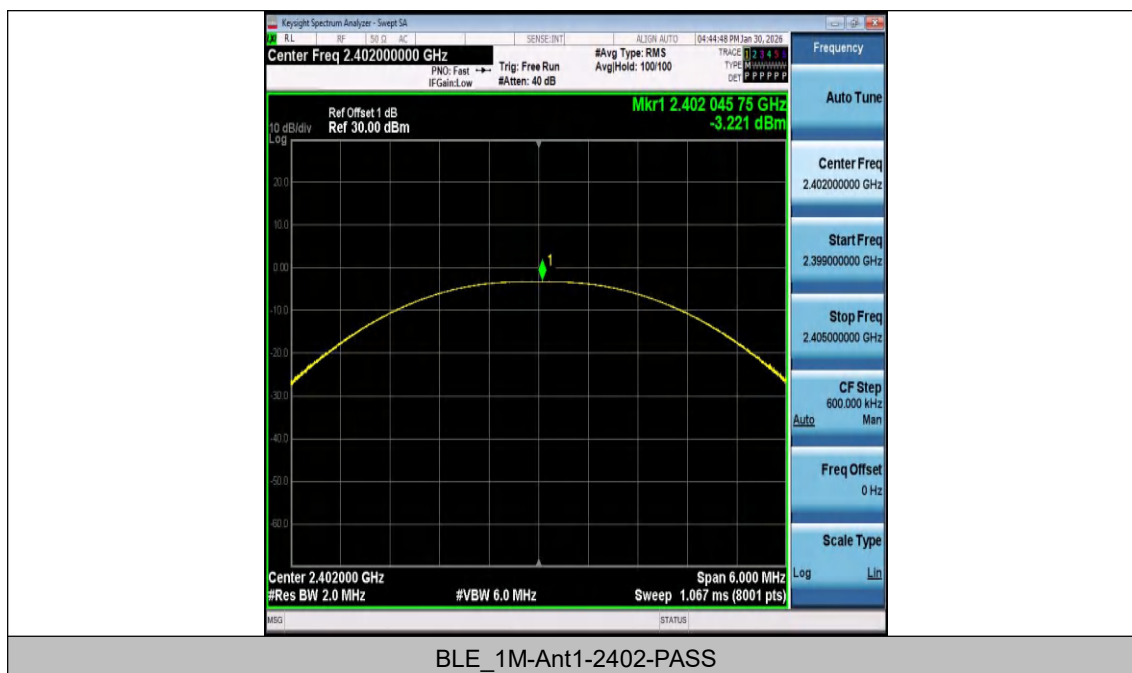
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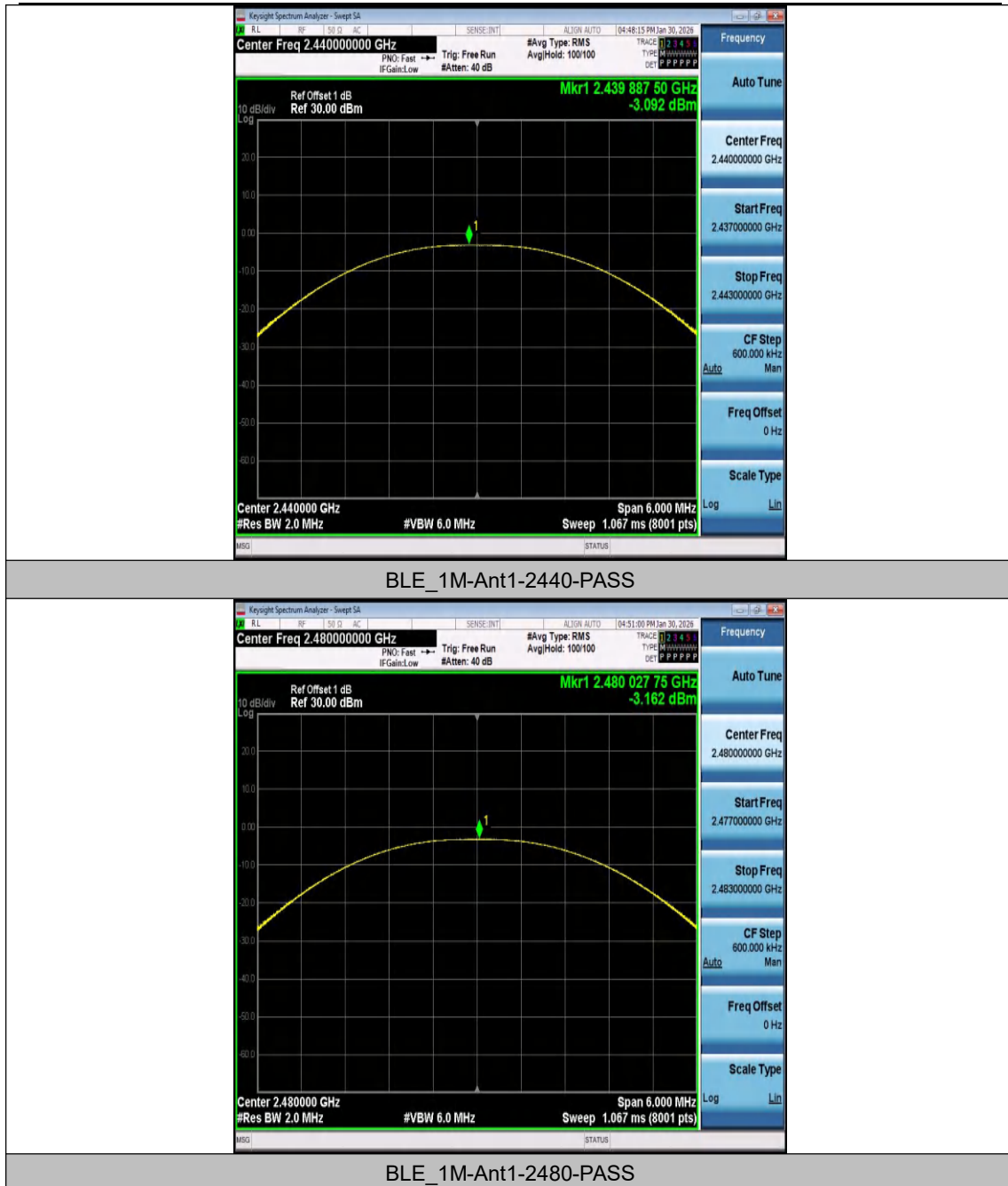
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.22	≤30	PASS
BLE_1M	Ant1	2440	-3.09	≤30	PASS
BLE_1M	Ant1	2480	-3.16	≤30	PASS
BLE_2M	Ant1	2402	-3.64	≤30	PASS
BLE_2M	Ant1	2440	-3.55	≤30	PASS
BLE_2M	Ant1	2480	-3.67	≤30	PASS

Test Graphs Peak

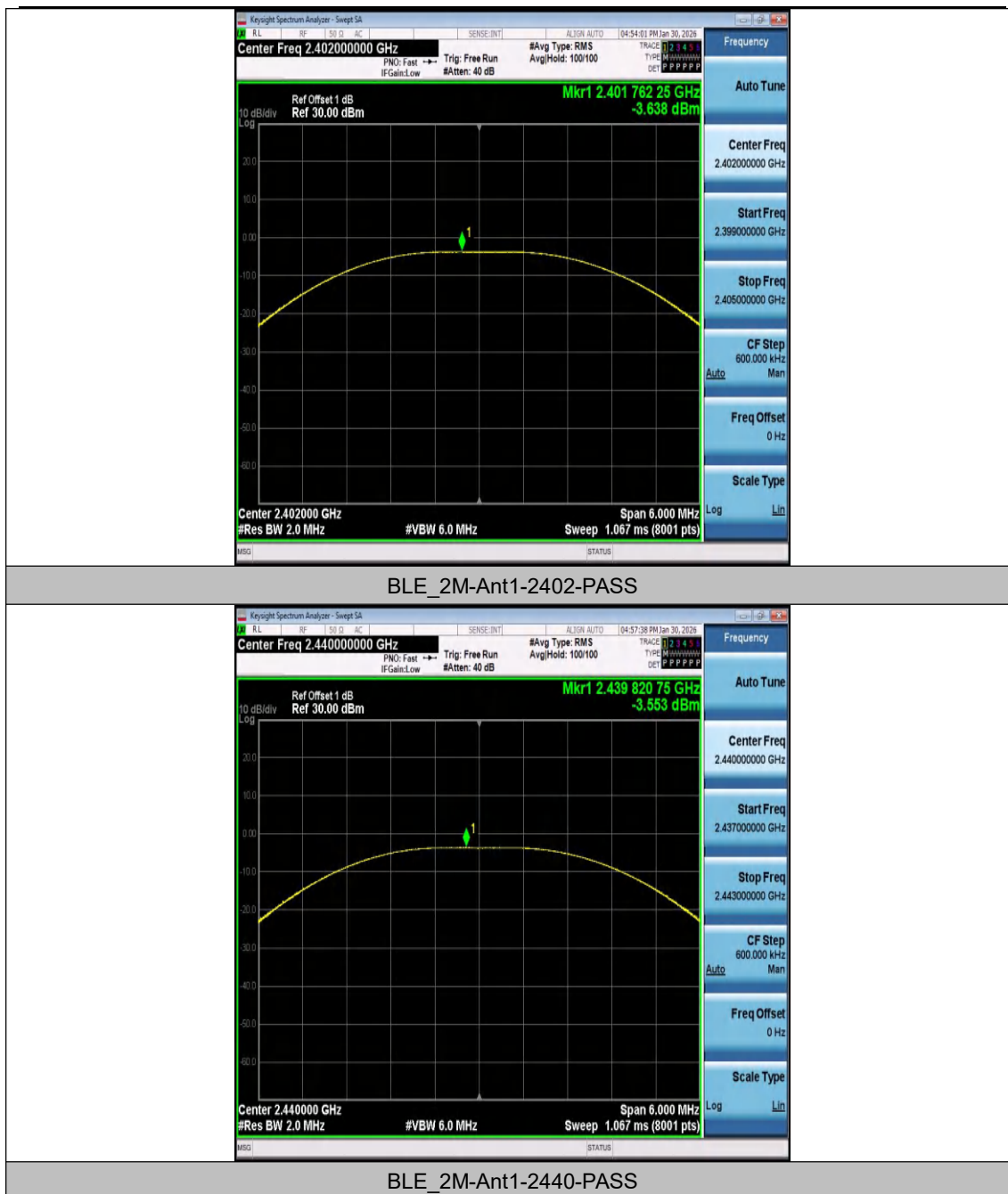




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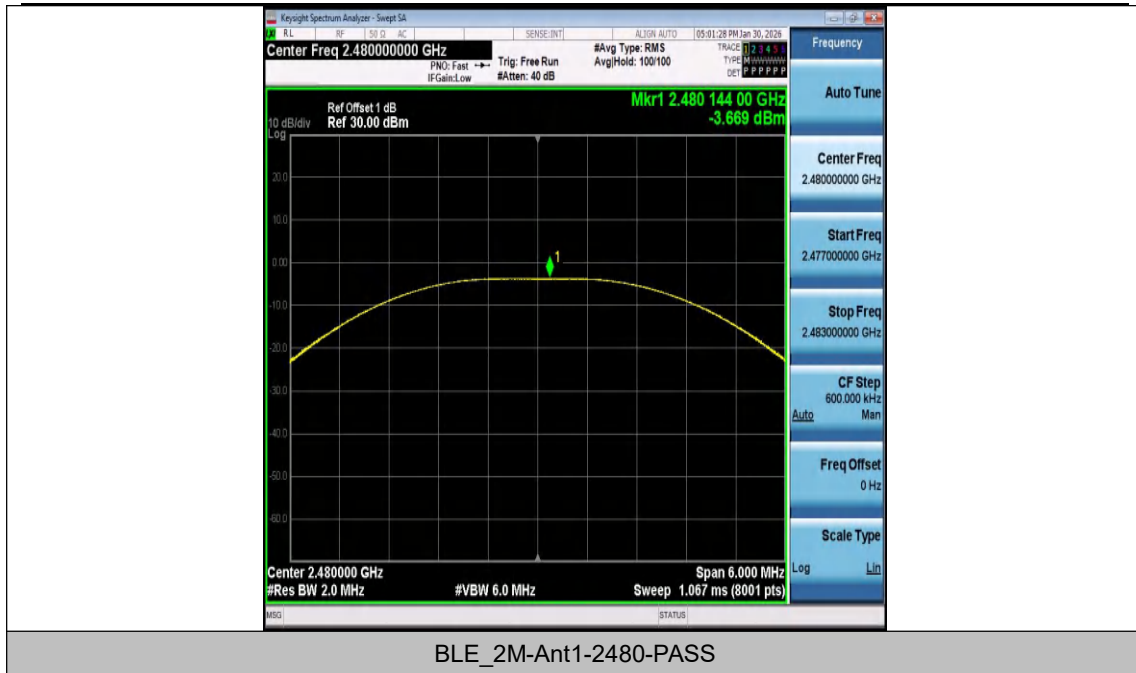
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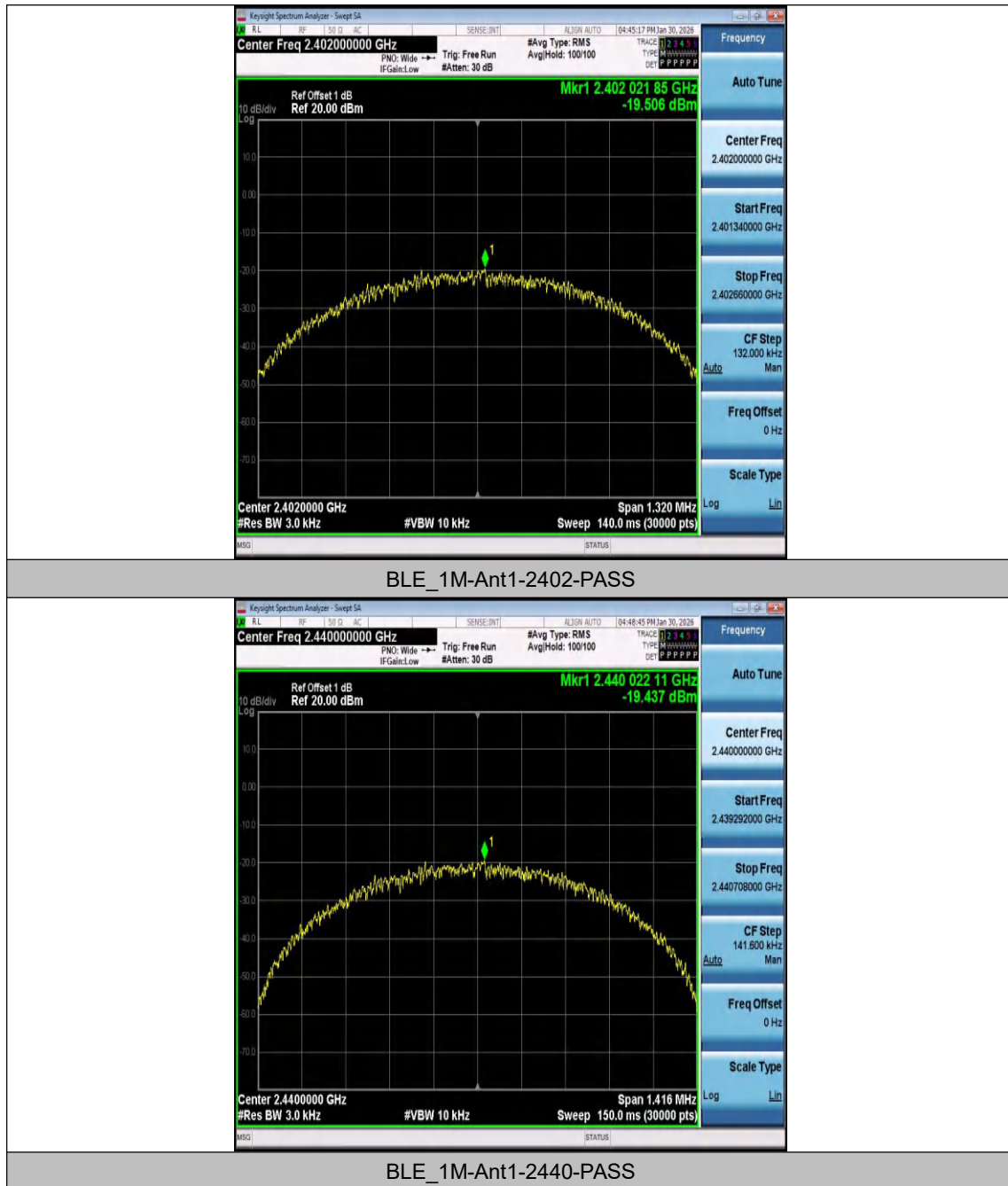
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.51	≤8.00	PASS
BLE_1M	Ant1	2440	-19.44	≤8.00	PASS
BLE_1M	Ant1	2480	-19.40	≤8.00	PASS
BLE_2M	Ant1	2402	-21.91	≤8.00	PASS
BLE_2M	Ant1	2440	-22.30	≤8.00	PASS
BLE_2M	Ant1	2480	-22.37	≤8.00	PASS

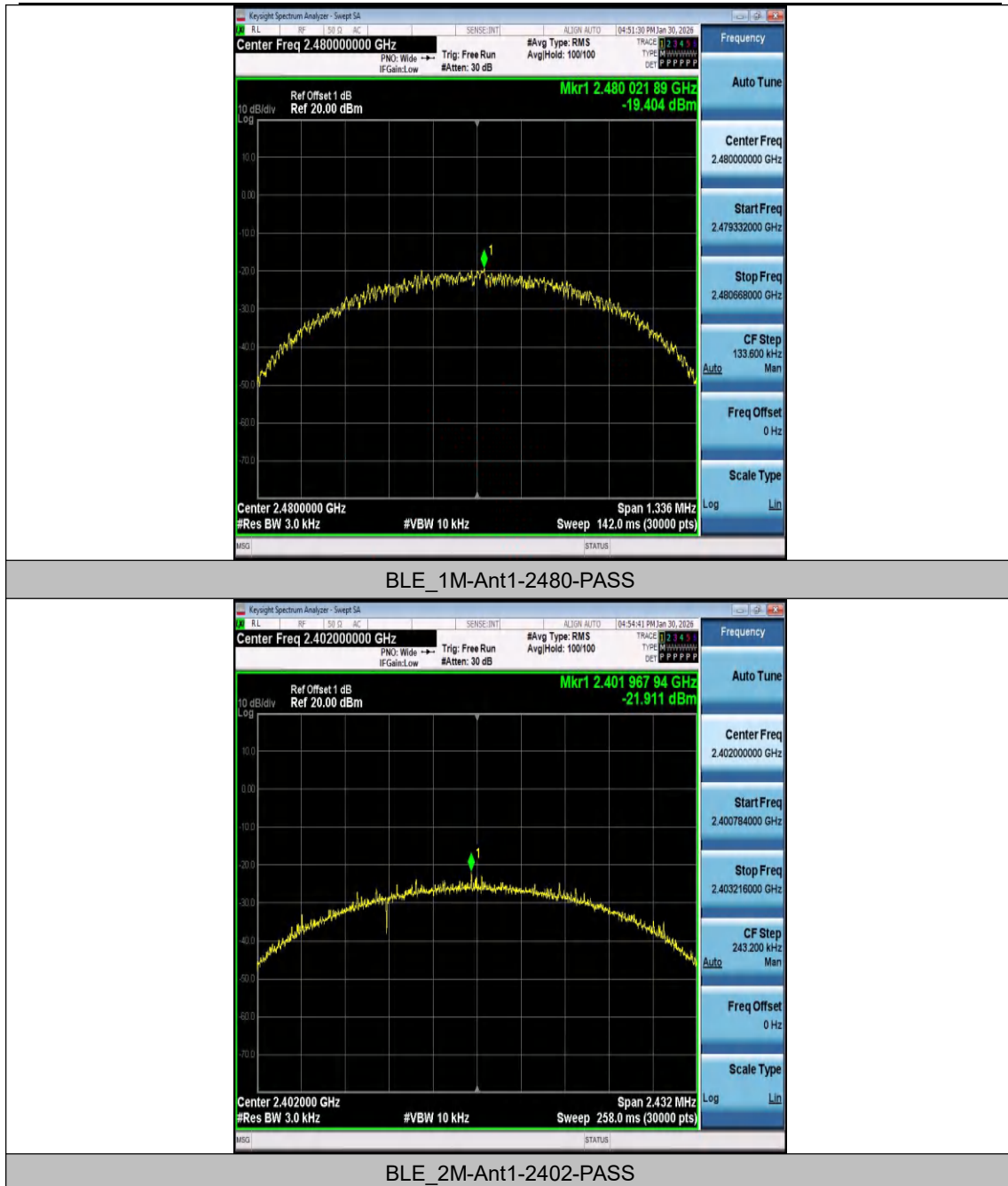
Test Graphs



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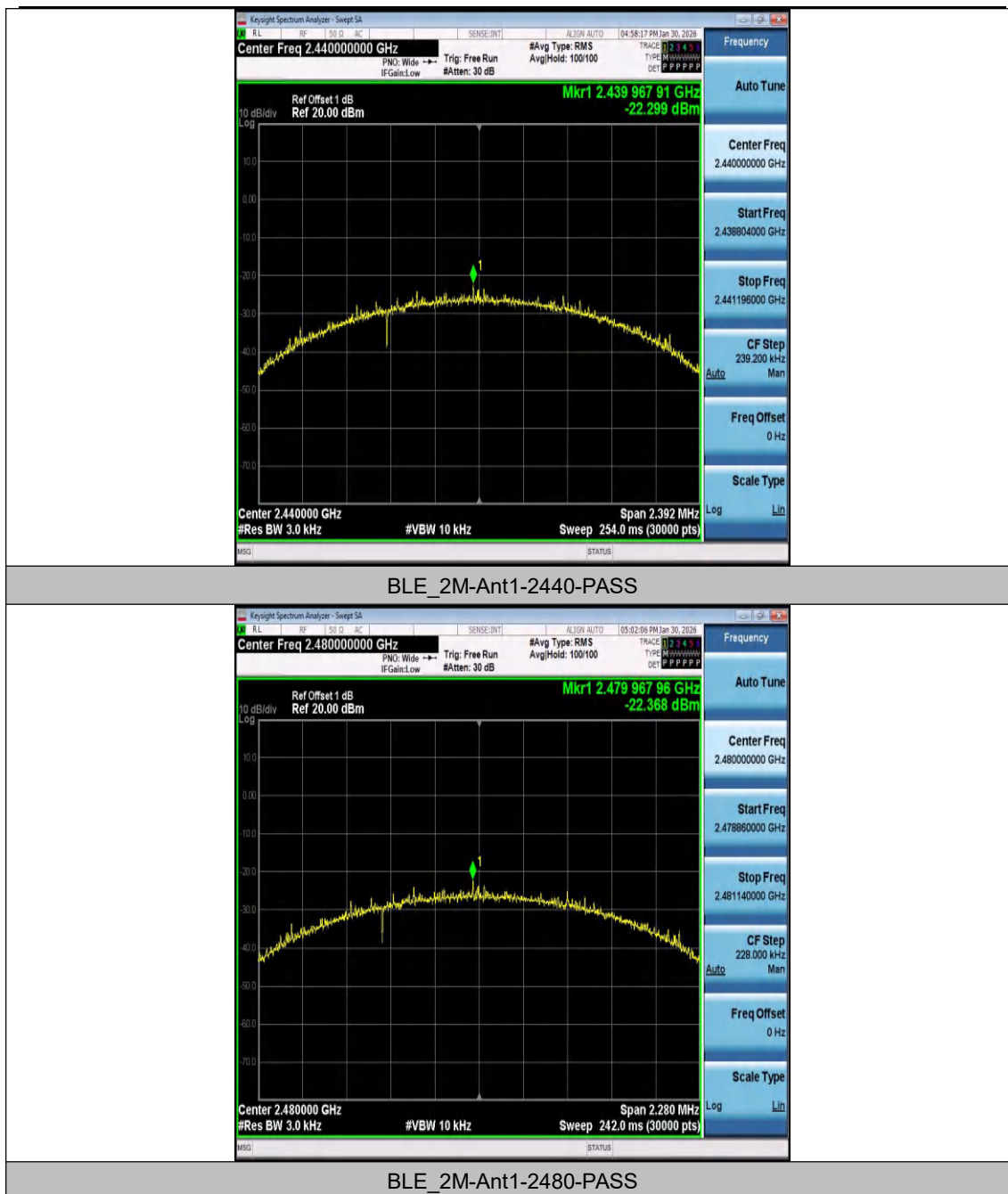
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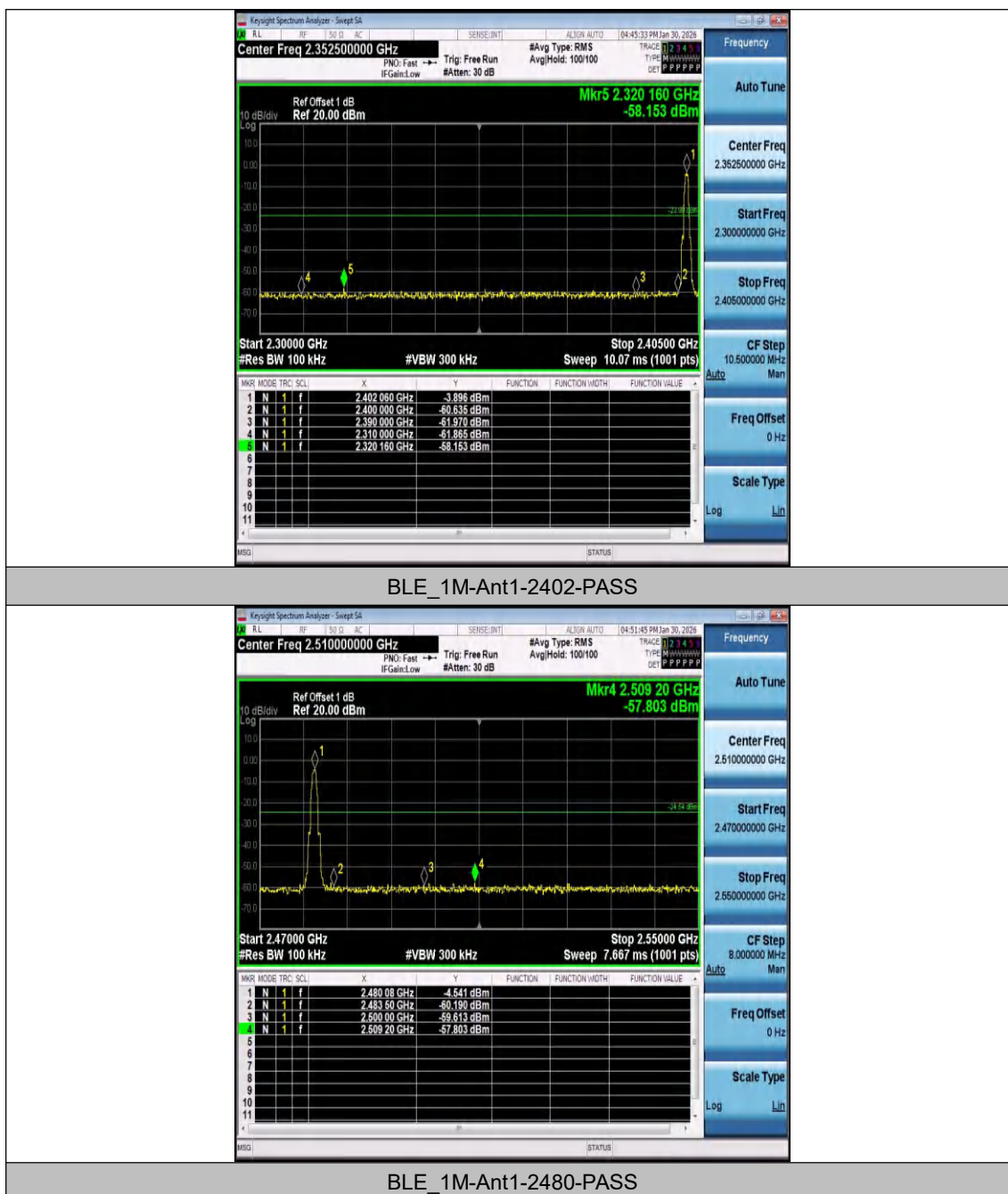
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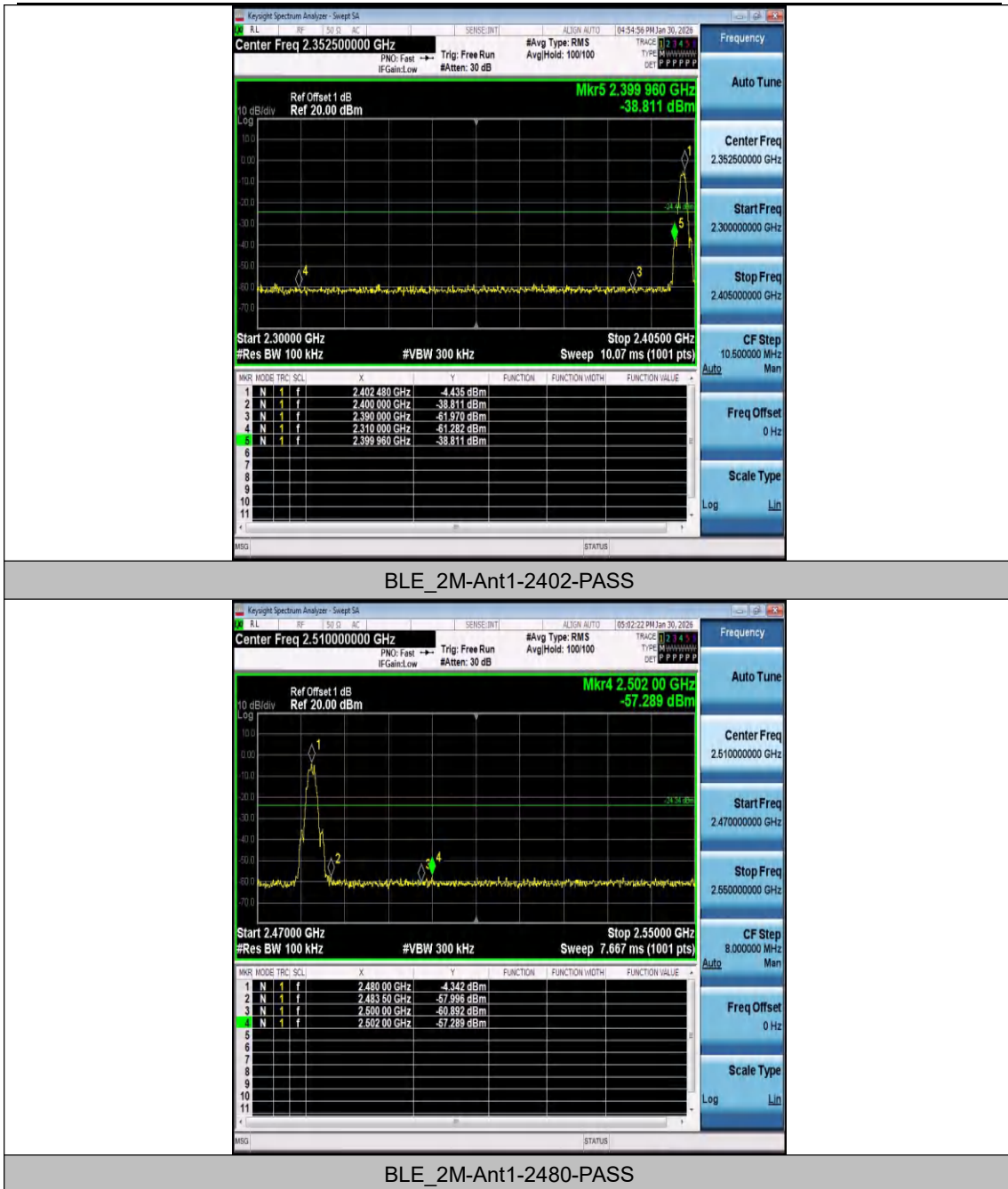
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.90	-58.15	≤-23.9	PASS
BLE_1M	Ant1	High	2480	-4.54	-57.8	≤-24.54	PASS
BLE_2M	Ant1	Low	2402	-4.44	-38.81	≤-24.44	PASS
BLE_2M	Ant1	High	2480	-4.34	-57.29	≤-24.34	PASS

Test Graphs





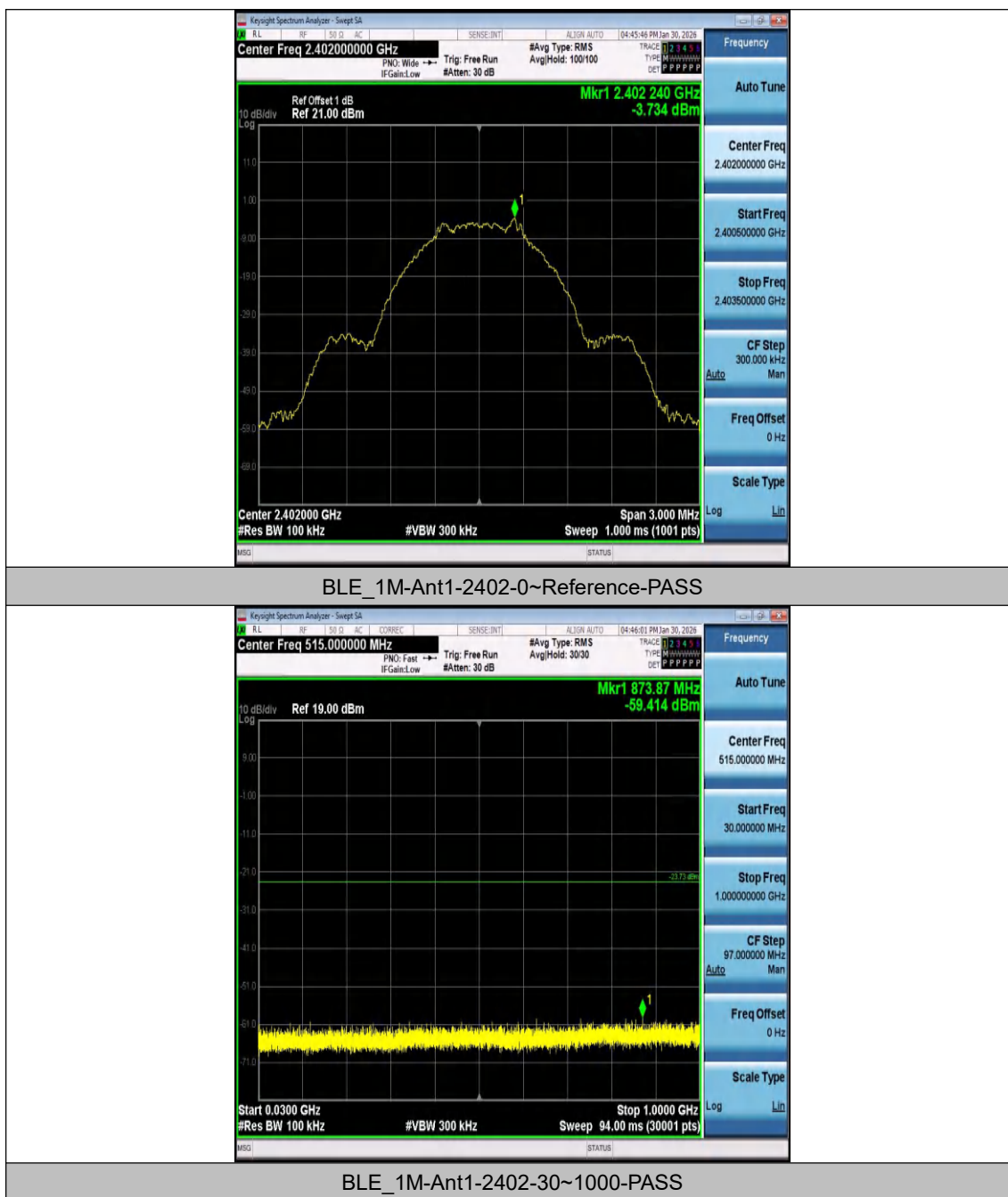
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.73	-3.73	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.73	-59.41	≤-23.73	PASS
BLE_1M	Ant1	2402	1000~26500	-3.73	-48.87	≤-23.73	PASS
BLE_1M	Ant1	2440	0~Reference	-3.59	-3.59	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.59	-59.6	≤-23.59	PASS
BLE_1M	Ant1	2440	1000~26500	-3.59	-48.18	≤-23.59	PASS
BLE_1M	Ant1	2480	0~Reference	-4.34	-4.34	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.34	-59.16	≤-24.34	PASS
BLE_1M	Ant1	2480	1000~26500	-4.34	-48.54	≤-24.34	PASS
BLE_2M	Ant1	2402	0~Reference	-4.88	-4.88	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.88	-59.6	≤-24.88	PASS
BLE_2M	Ant1	2402	1000~26500	-4.88	-48.4	≤-24.88	PASS
BLE_2M	Ant1	2440	0~Reference	-4.66	-4.66	---	PASS
BLE_2M	Ant1	2440	30~1000	-4.66	-59.51	≤-24.66	PASS
BLE_2M	Ant1	2440	1000~26500	-4.66	-48.7	≤-24.66	PASS
BLE_2M	Ant1	2480	0~Reference	-5.00	-5.00	---	PASS
BLE_2M	Ant1	2480	30~1000	-5.00	-59.63	≤-25	PASS
BLE_2M	Ant1	2480	1000~26500	-5.00	-48.44	≤-25	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.

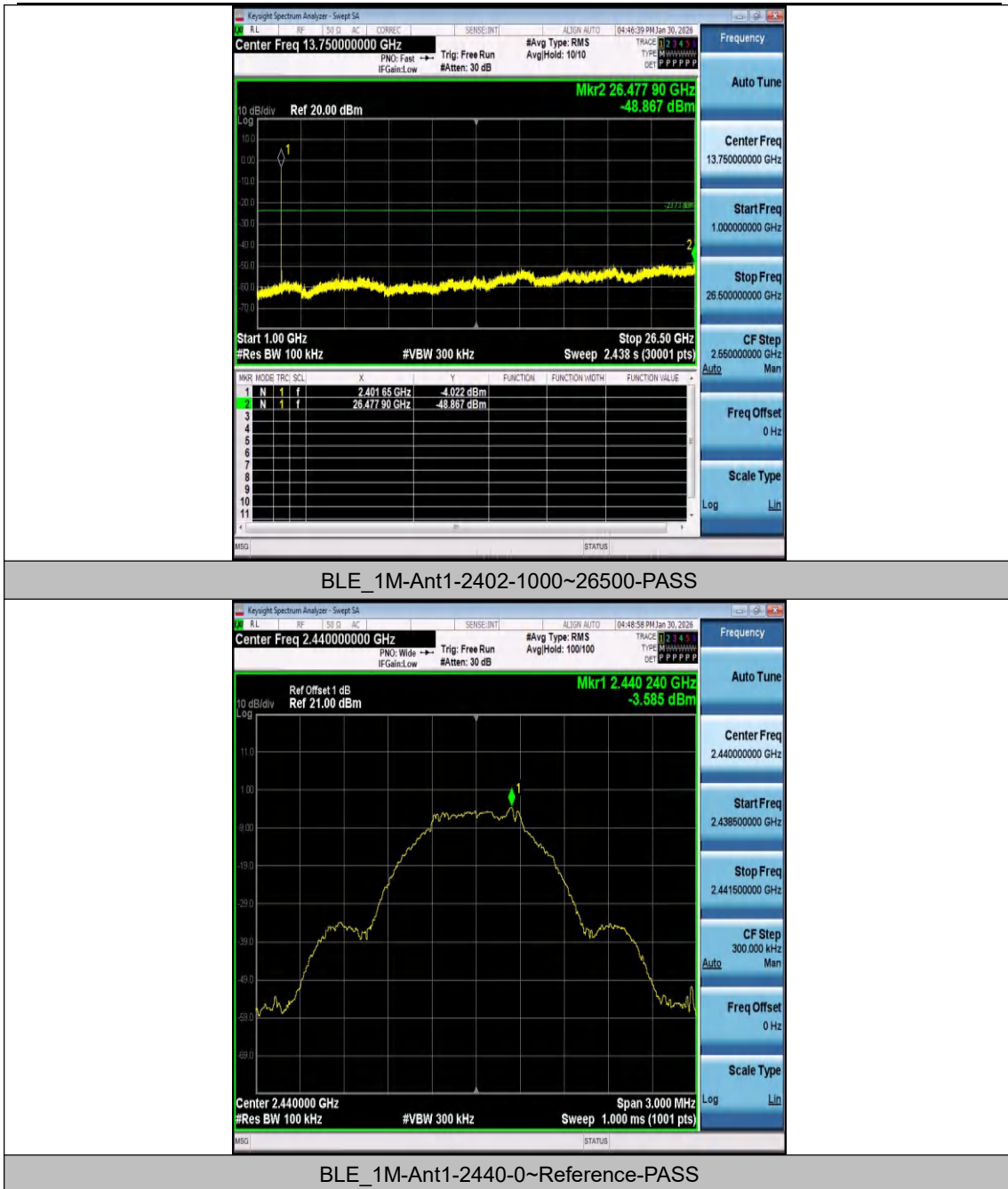
Test Graphs



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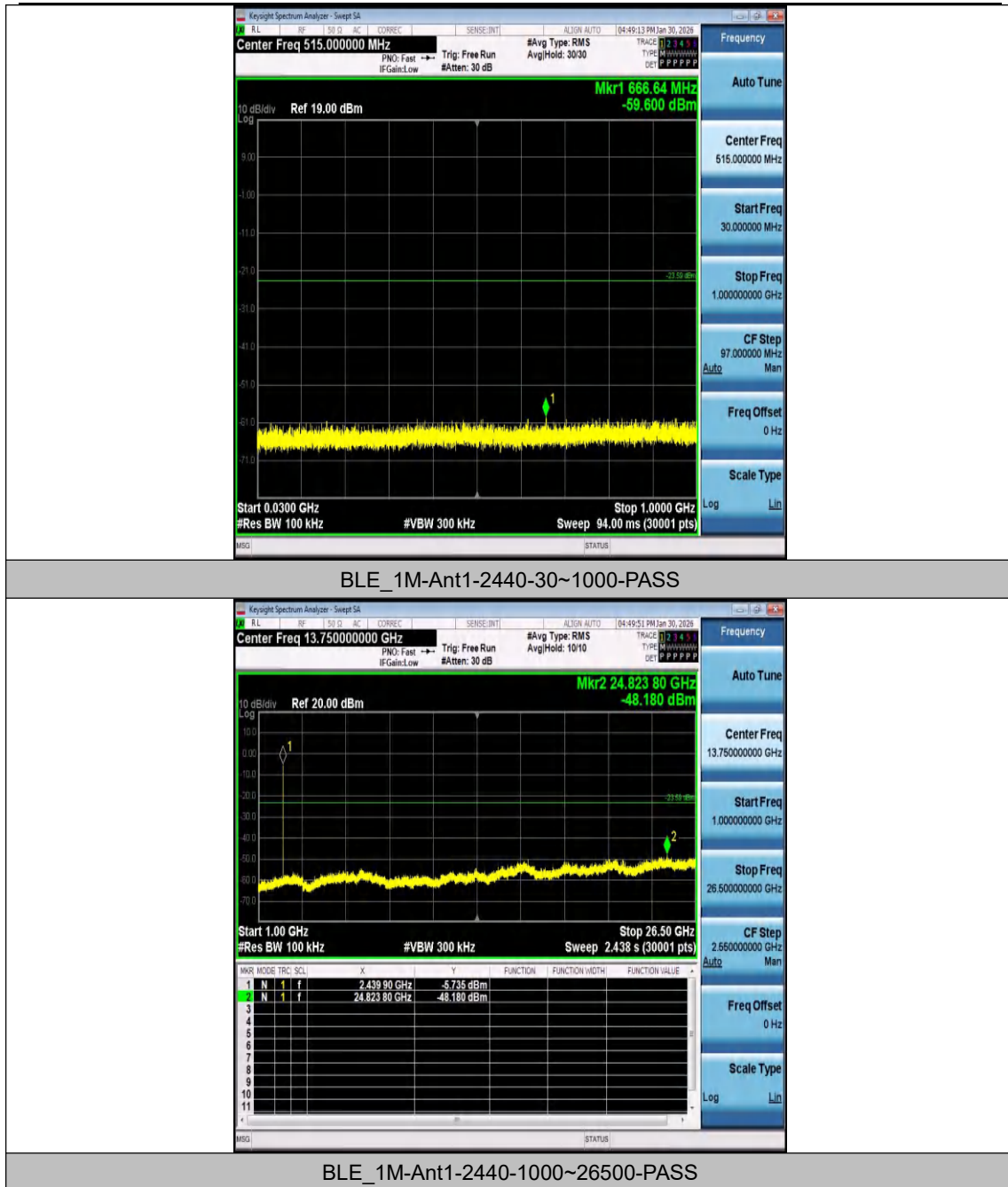
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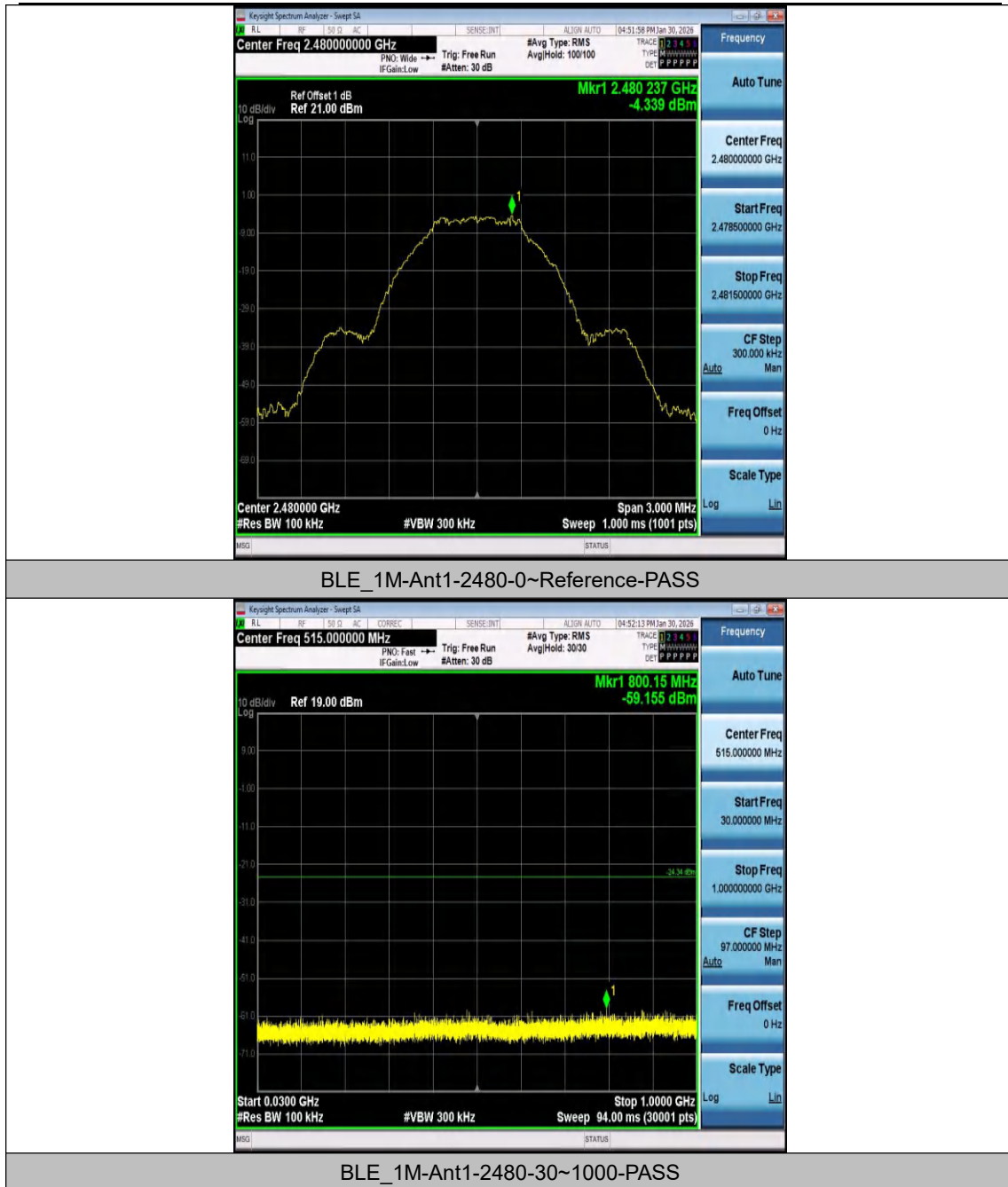
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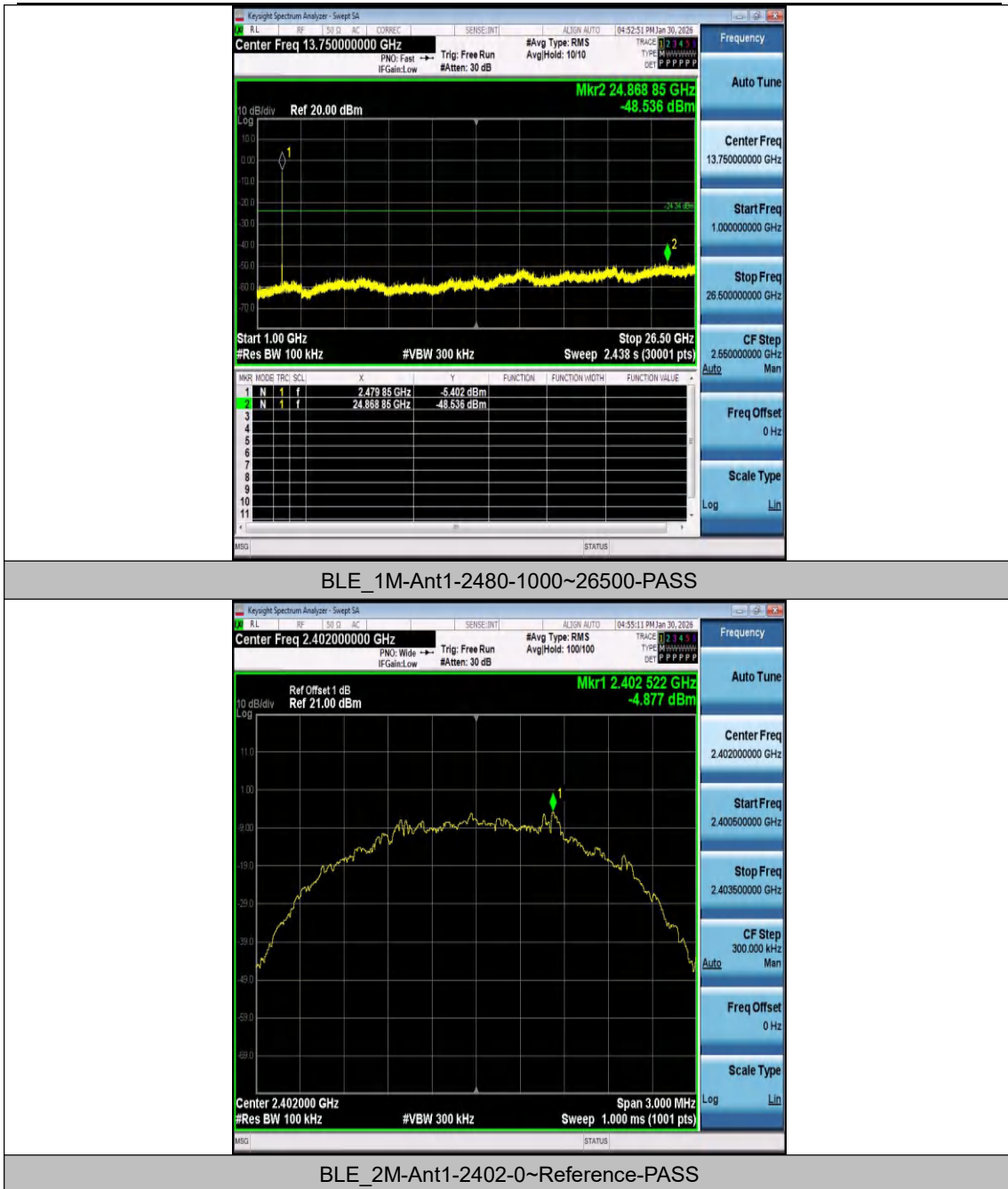
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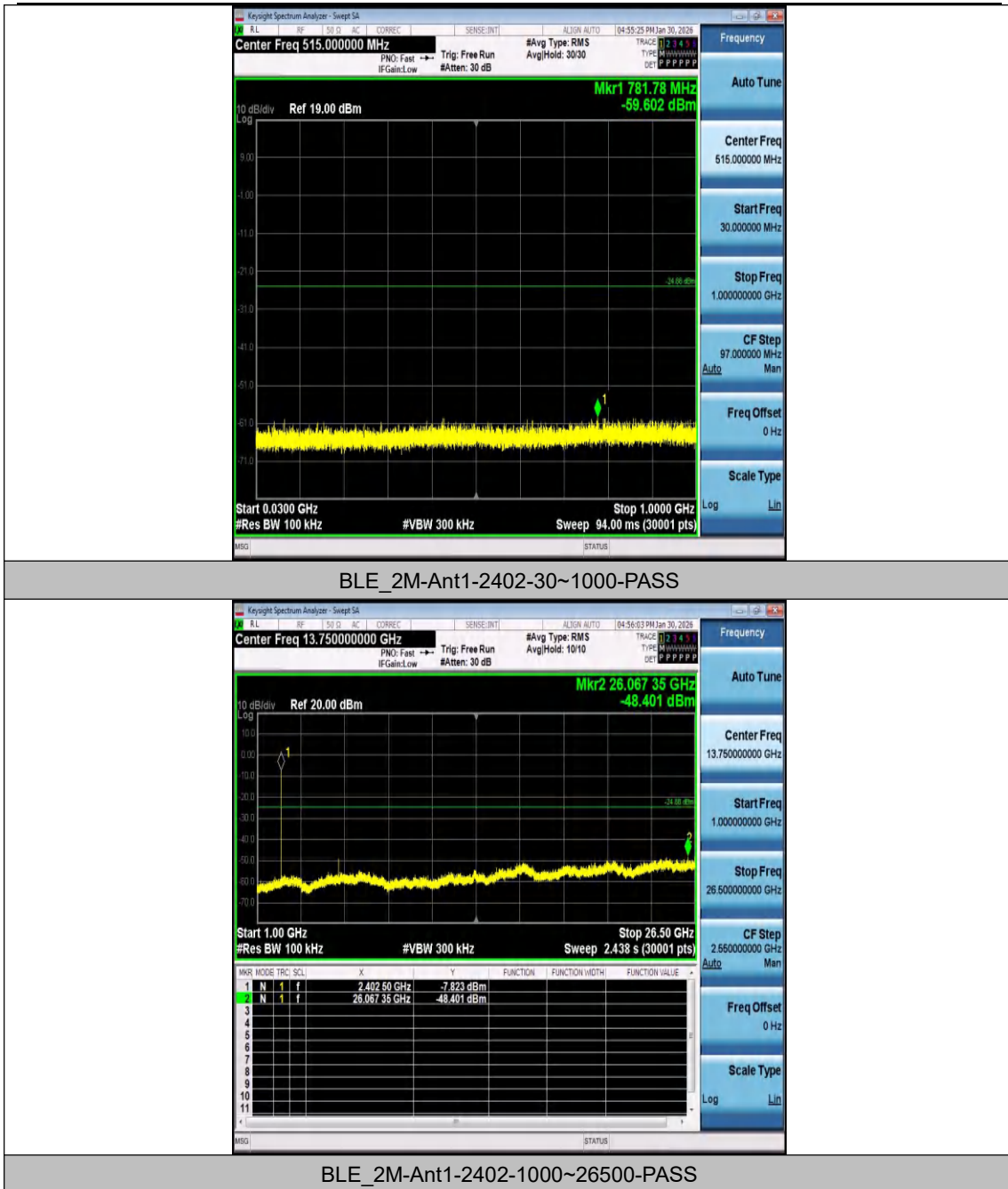
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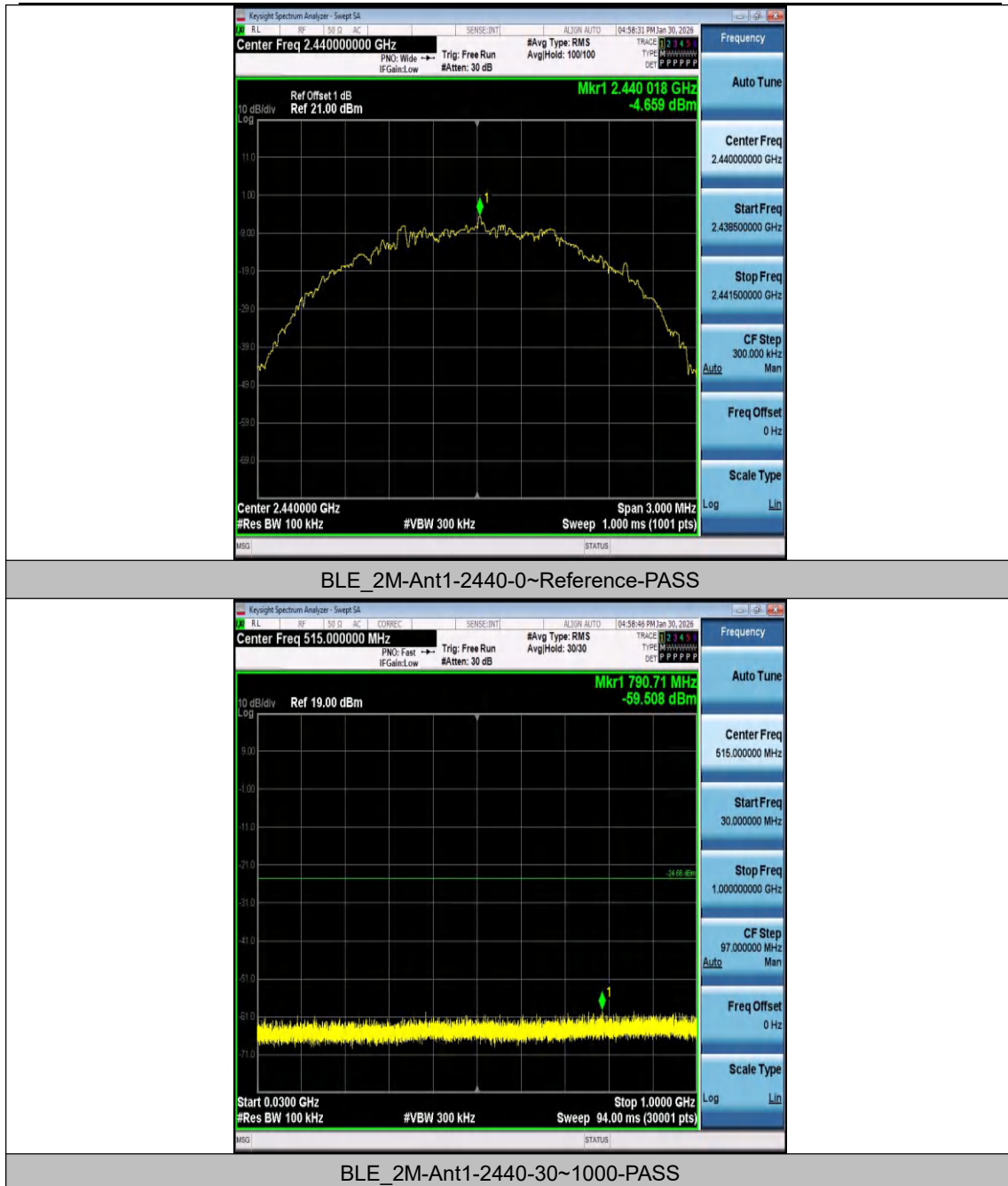
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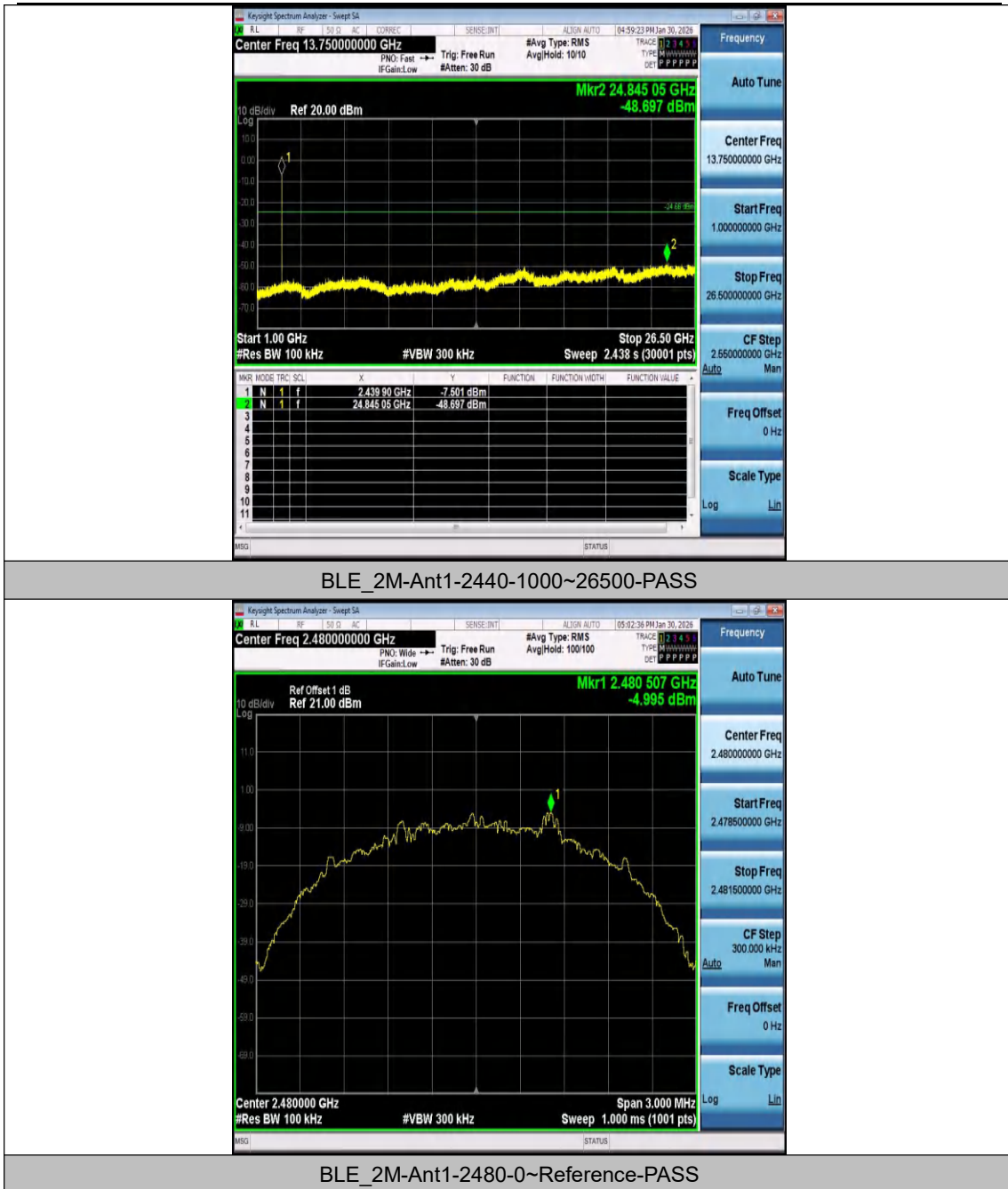
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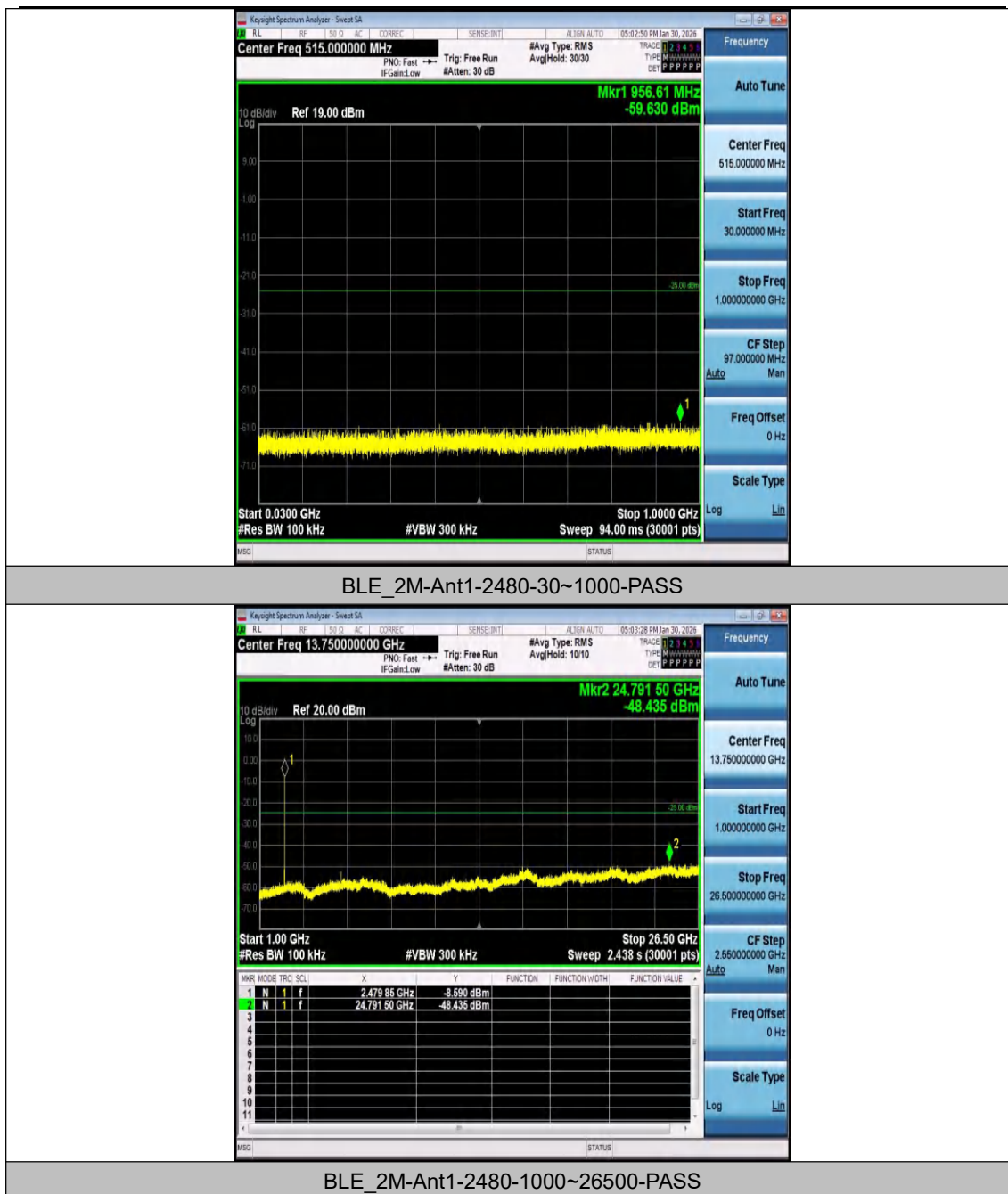
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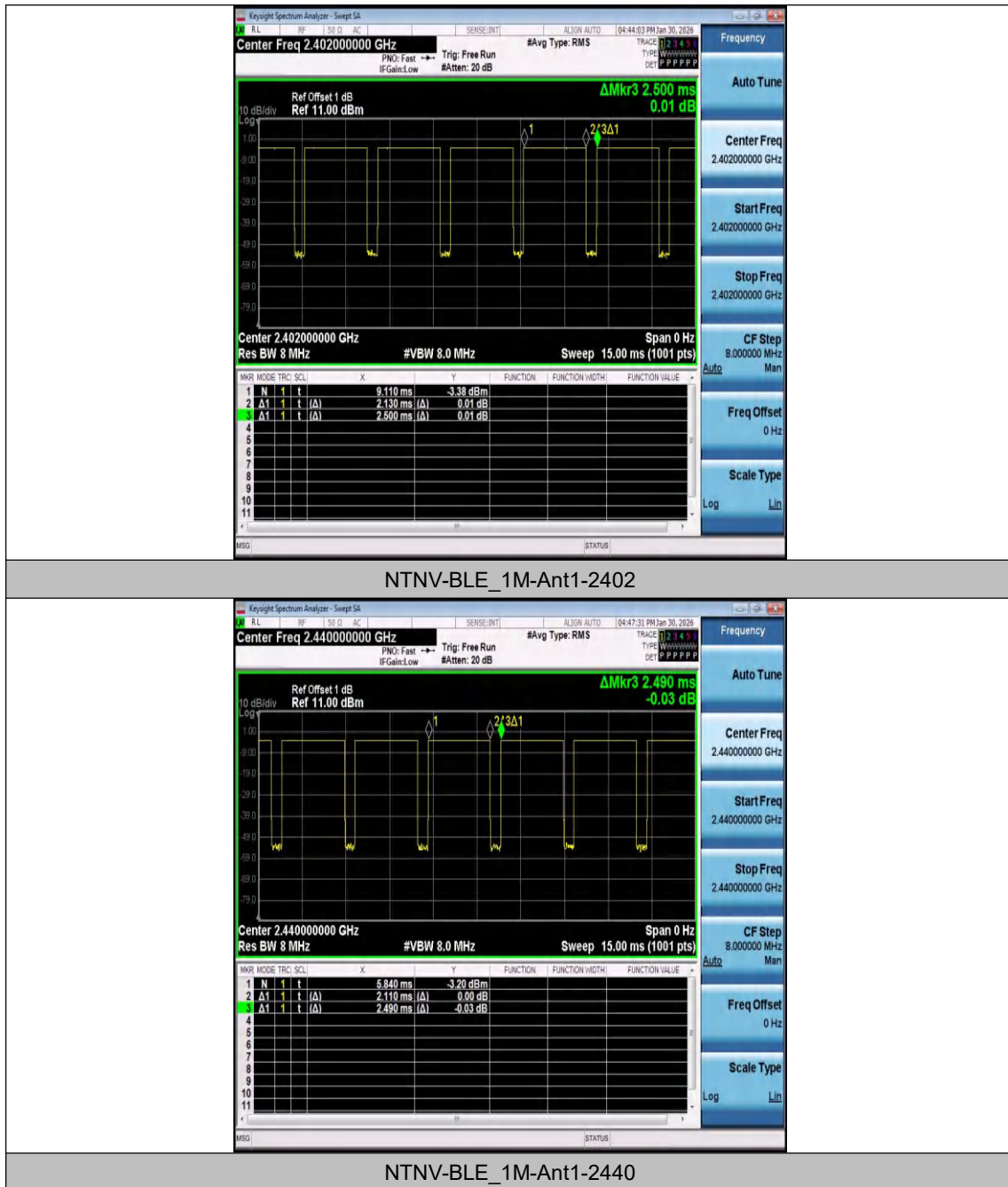
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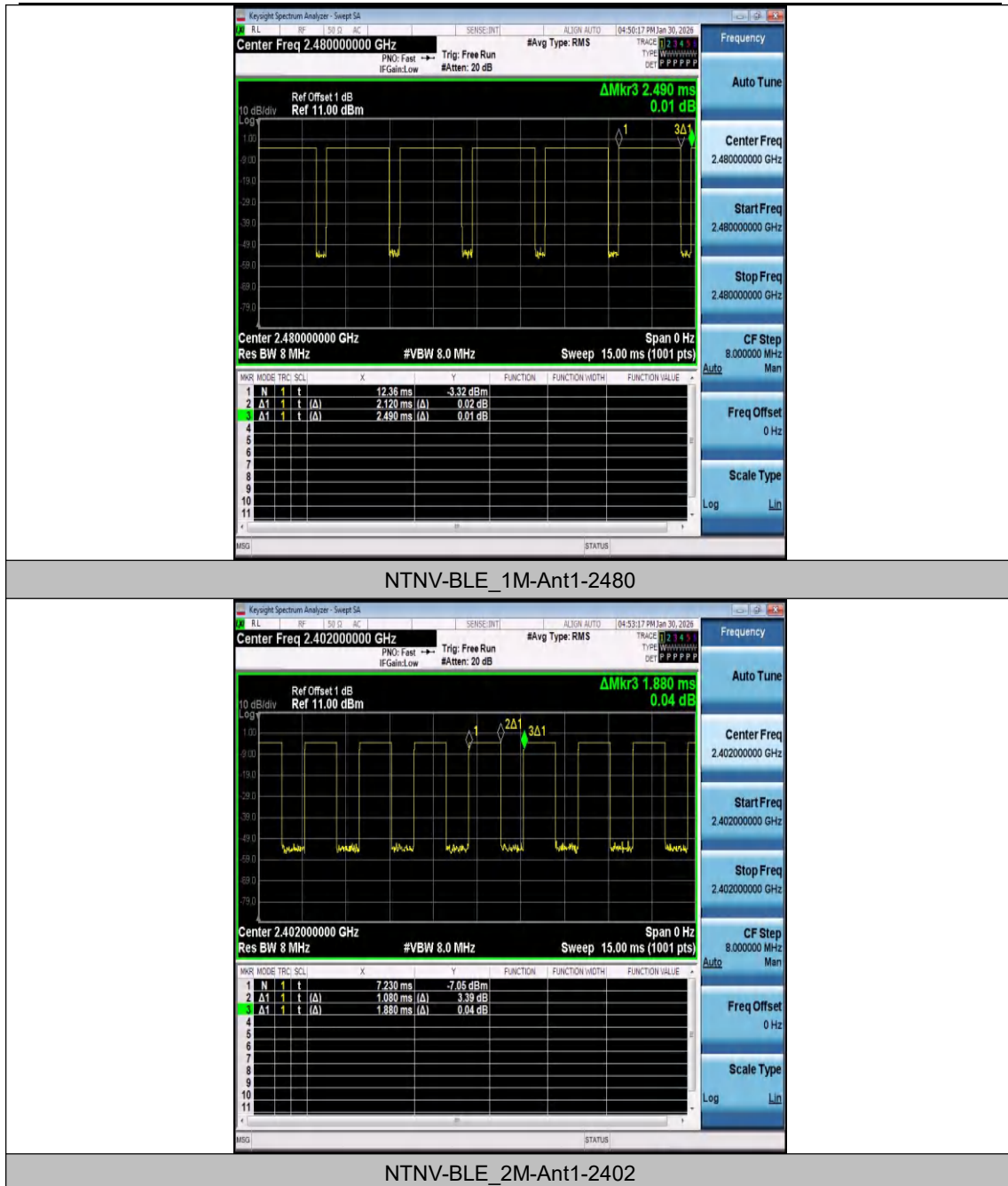
Appendix G: Duty Cycle

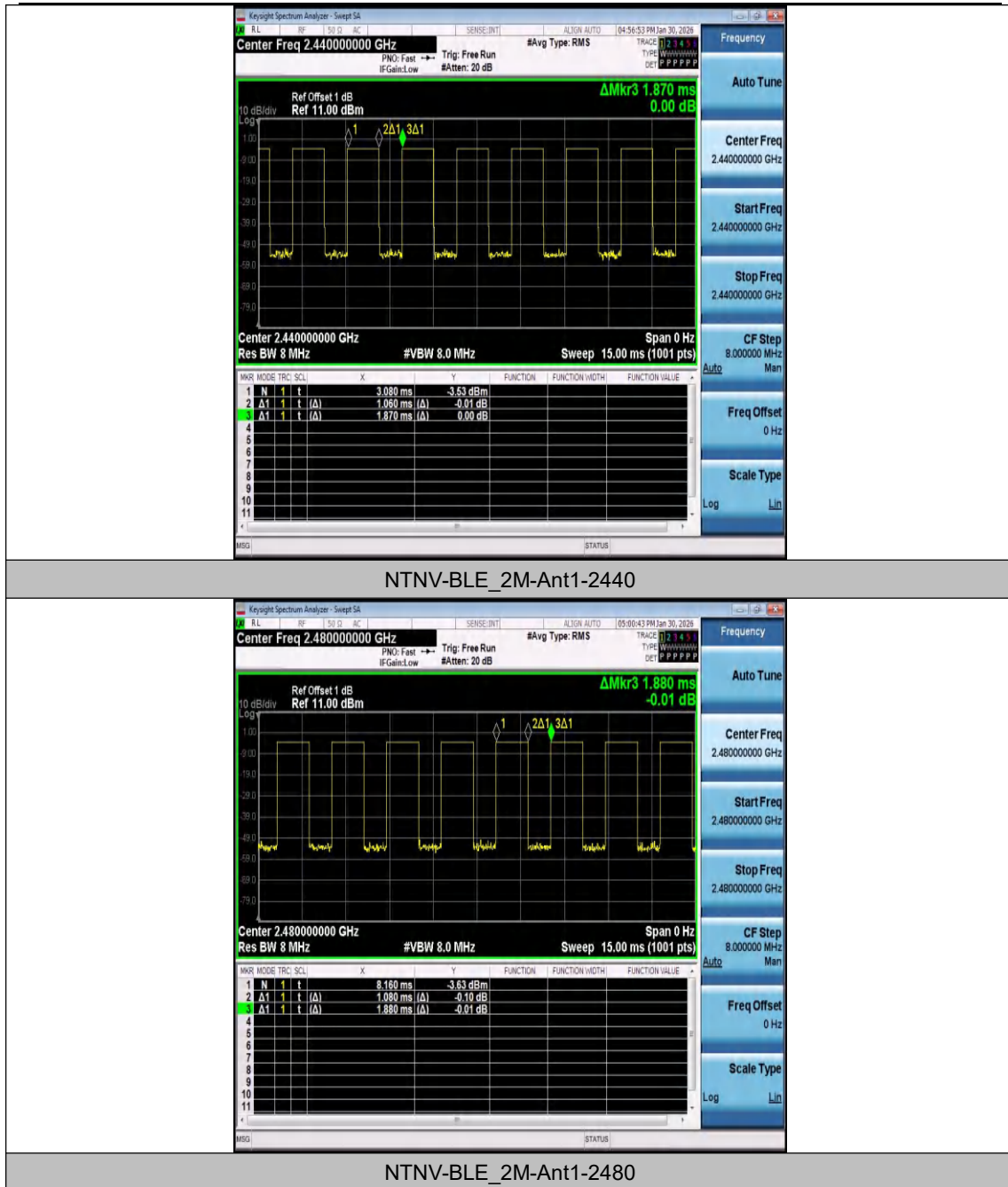
Test Result

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	2.11	2.49	84.74	0.72
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70
BLE_2M	Ant1	2402	1.08	1.88	57.45	2.41
BLE_2M	Ant1	2440	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2480	1.08	1.88	57.45	2.41

Test Graphs







---End---