

Appendix Test Data

Report No.:	1812C60133712502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-3-12	Finish Test Date:	2026-3-17
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23°C	Relative Humidity:	59%
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	0.720	2401.656	2402.376	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.680	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.704	2479.664	2480.368	0.5	PASS
BLE_2M	Ant1	2402	1.132	2401.464	2402.596	0.5	PASS
BLE_2M	Ant1	2440	1.224	2439.380	2440.604	0.5	PASS
BLE_2M	Ant1	2480	1.124	2479.476	2480.600	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	1.0351	2401.5060	2402.5411	---	---
BLE_1M	Ant1	2440	1.0347	2439.5029	2440.5376	---	---
BLE_1M	Ant1	2480	1.0232	2479.5094	2480.5326	---	---
BLE_2M	Ant1	2402	2.0828	2400.9856	2403.0684	---	---
BLE_2M	Ant1	2440	2.0724	2438.9971	2441.0695	---	---
BLE_2M	Ant1	2480	2.0554	2479.0010	2481.0564	---	---

Test Graphs



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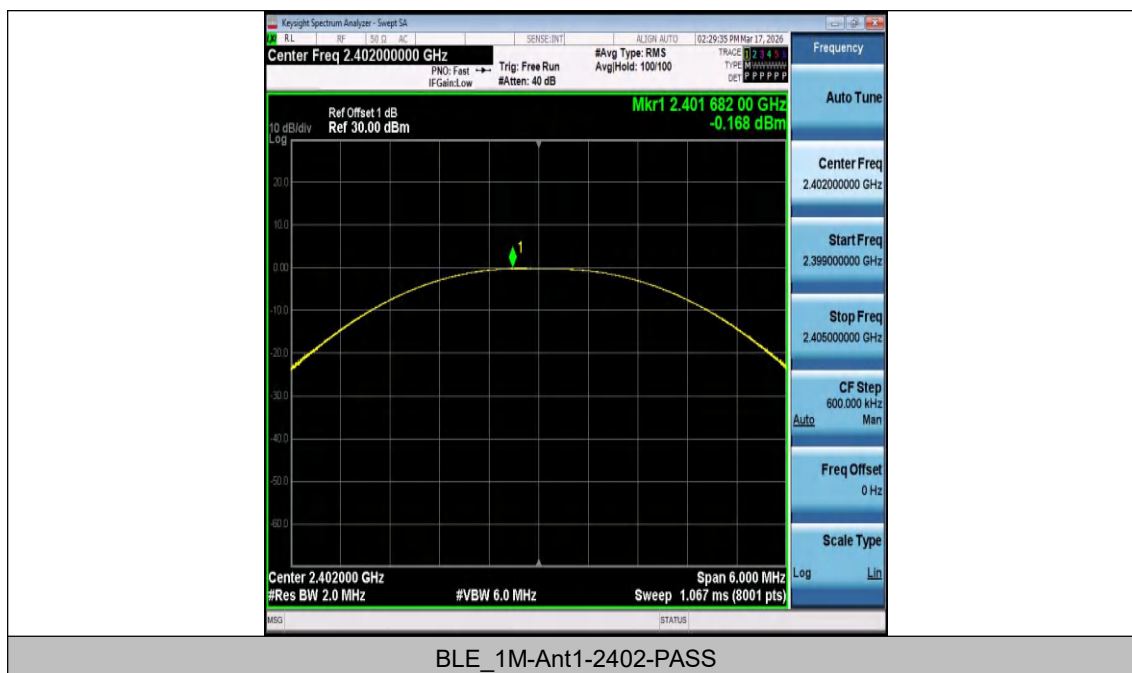
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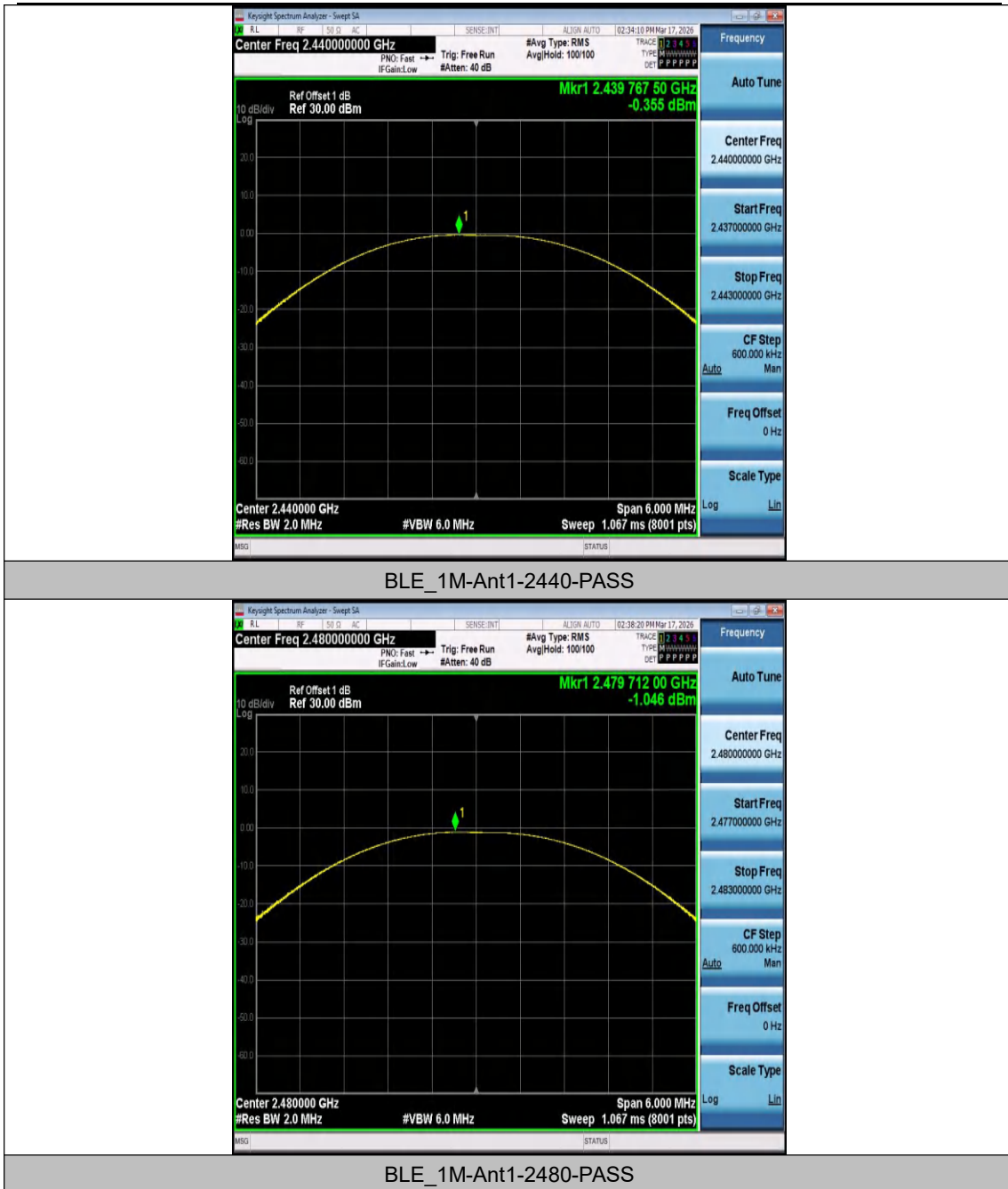
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.17	≤30	PASS
BLE_1M	Ant1	2440	-0.36	≤30	PASS
BLE_1M	Ant1	2480	-1.05	≤30	PASS
BLE_2M	Ant1	2402	-0.05	≤30	PASS
BLE_2M	Ant1	2440	-0.10	≤30	PASS
BLE_2M	Ant1	2480	-0.77	≤30	PASS

Test Graphs Peak

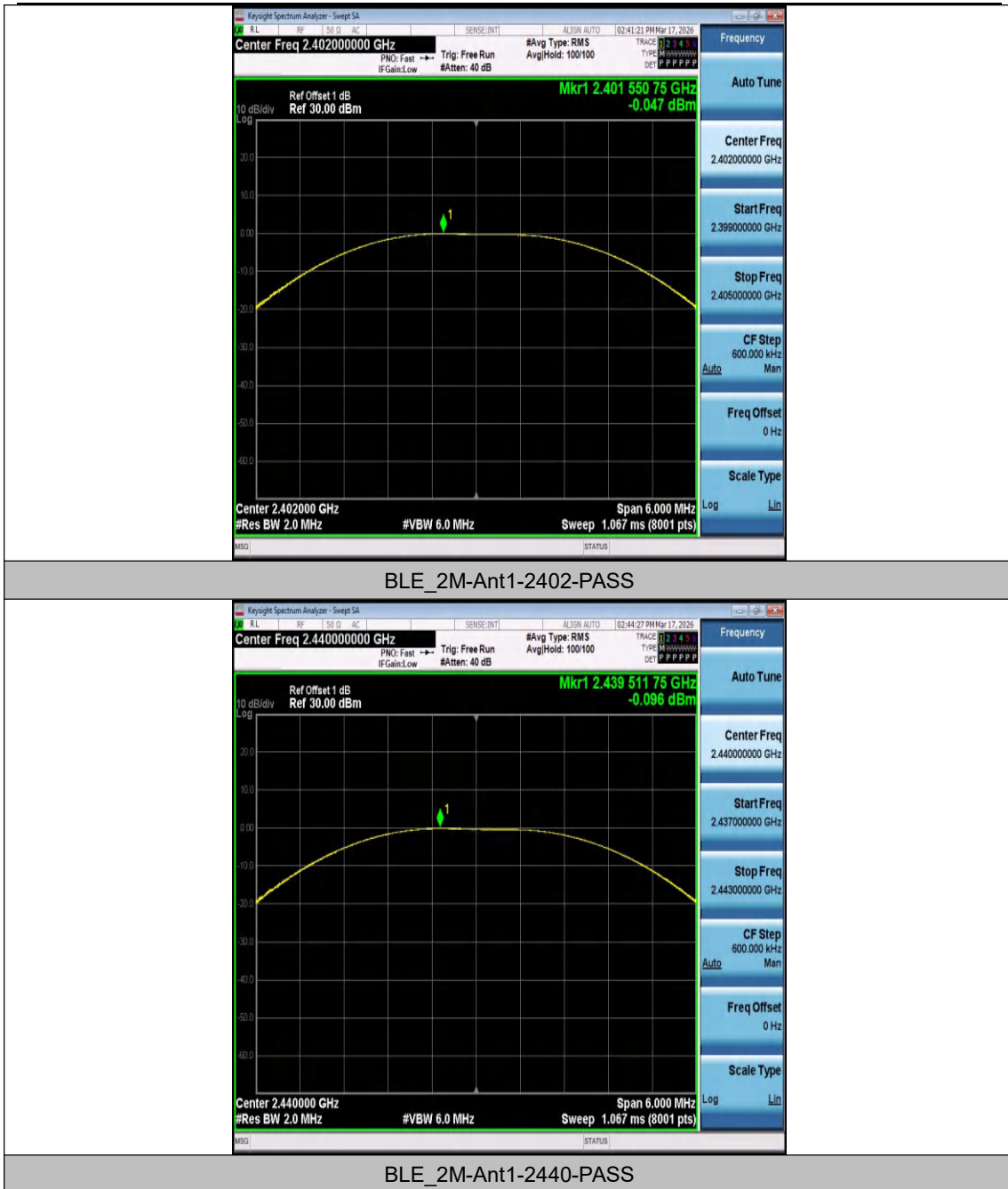




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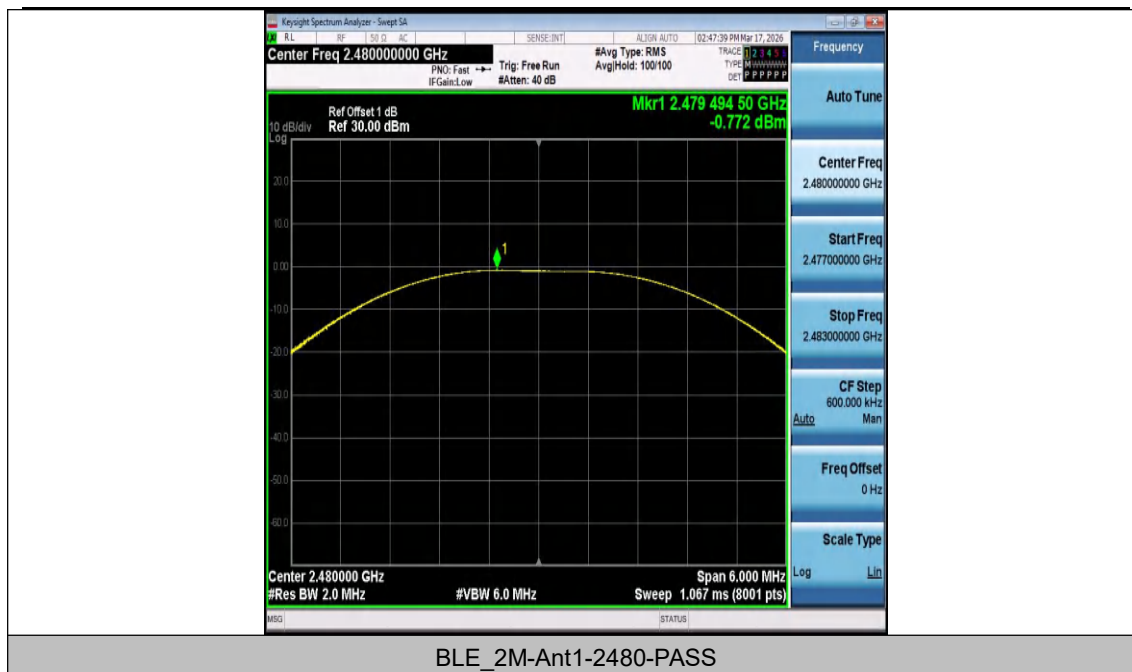
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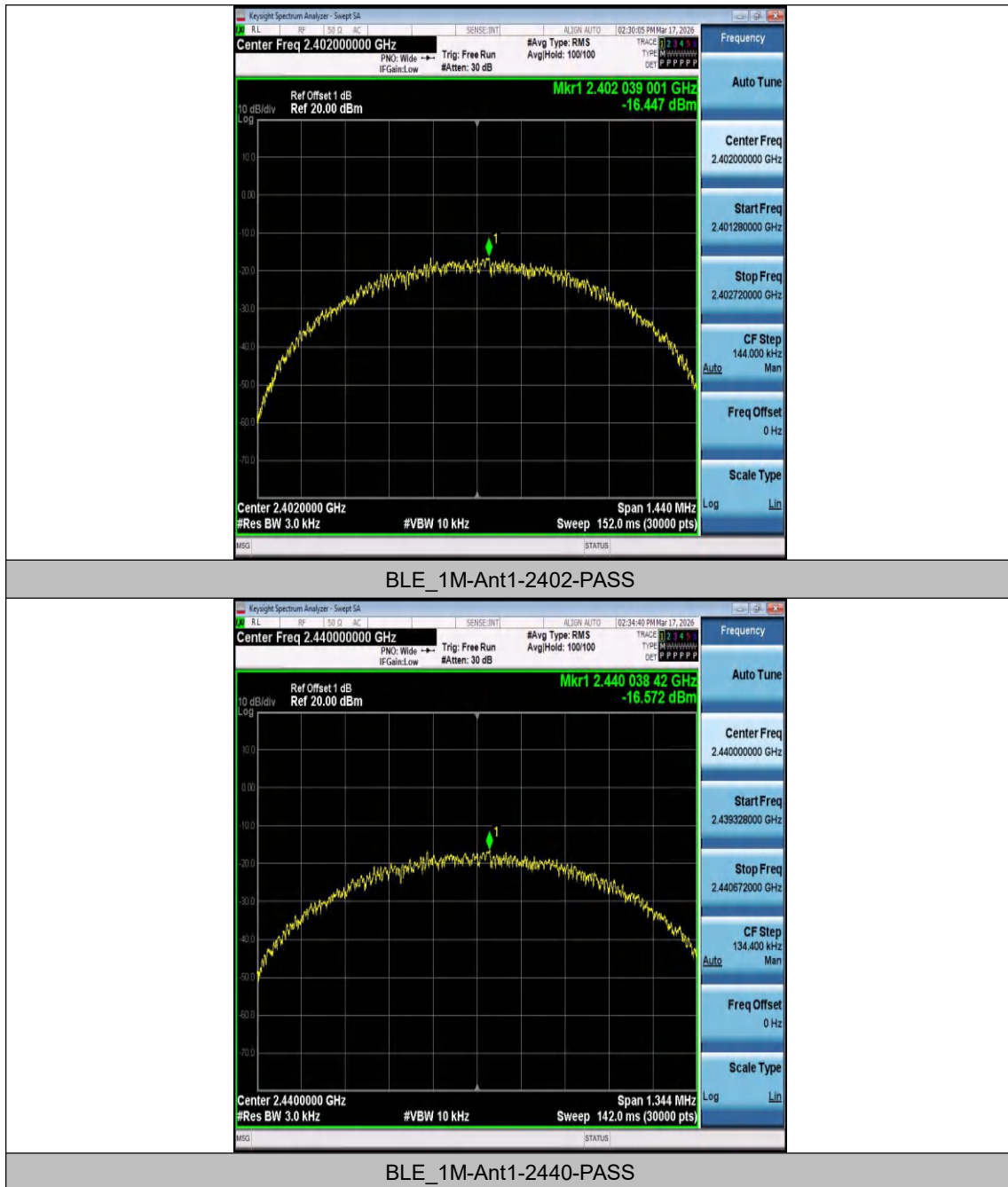
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.45	≤8.00	PASS
BLE_1M	Ant1	2440	-16.57	≤8.00	PASS
BLE_1M	Ant1	2480	-17.29	≤8.00	PASS
BLE_2M	Ant1	2402	-18.63	≤8.00	PASS
BLE_2M	Ant1	2440	-18.44	≤8.00	PASS
BLE_2M	Ant1	2480	-19.04	≤8.00	PASS

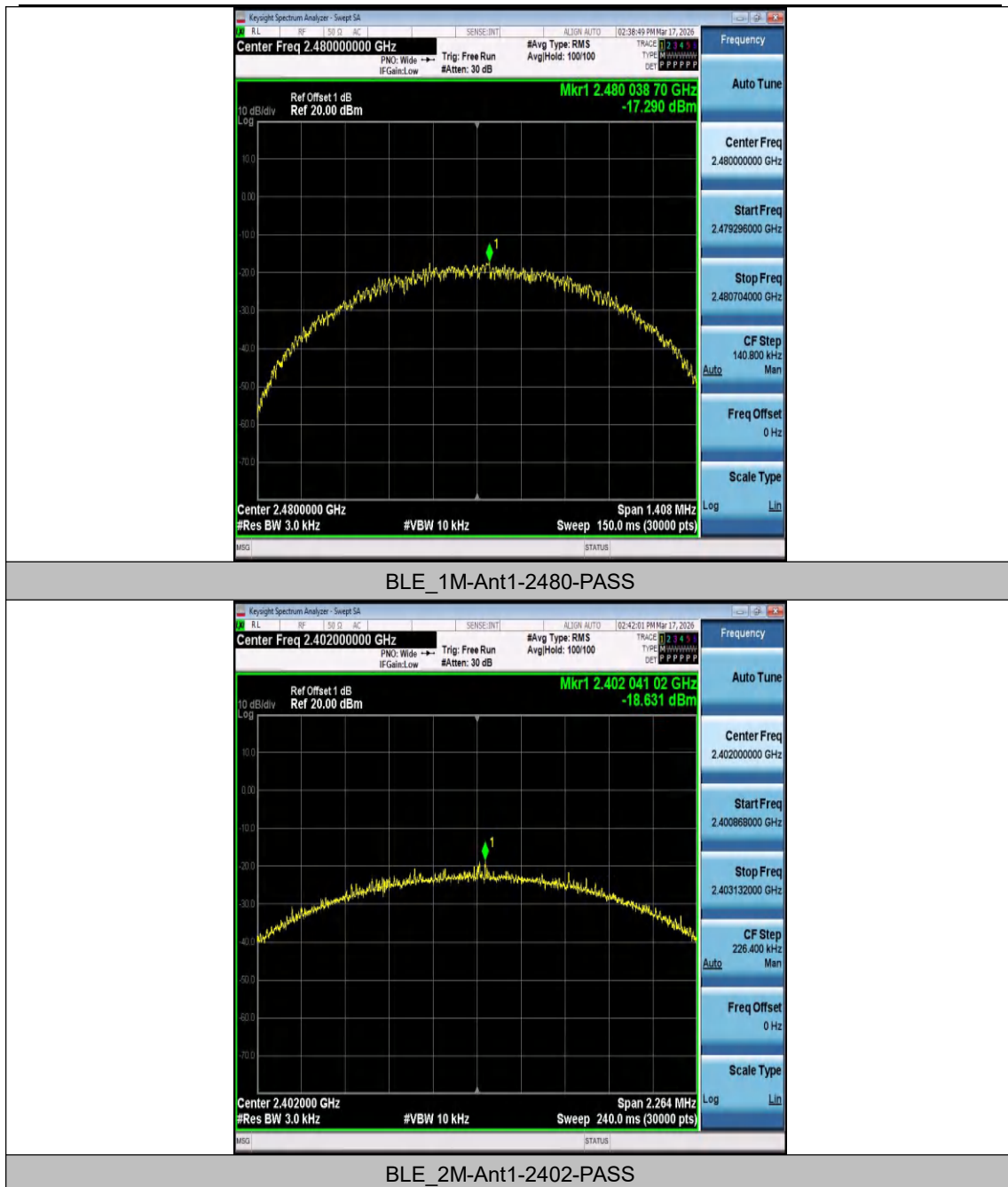
Test Graphs



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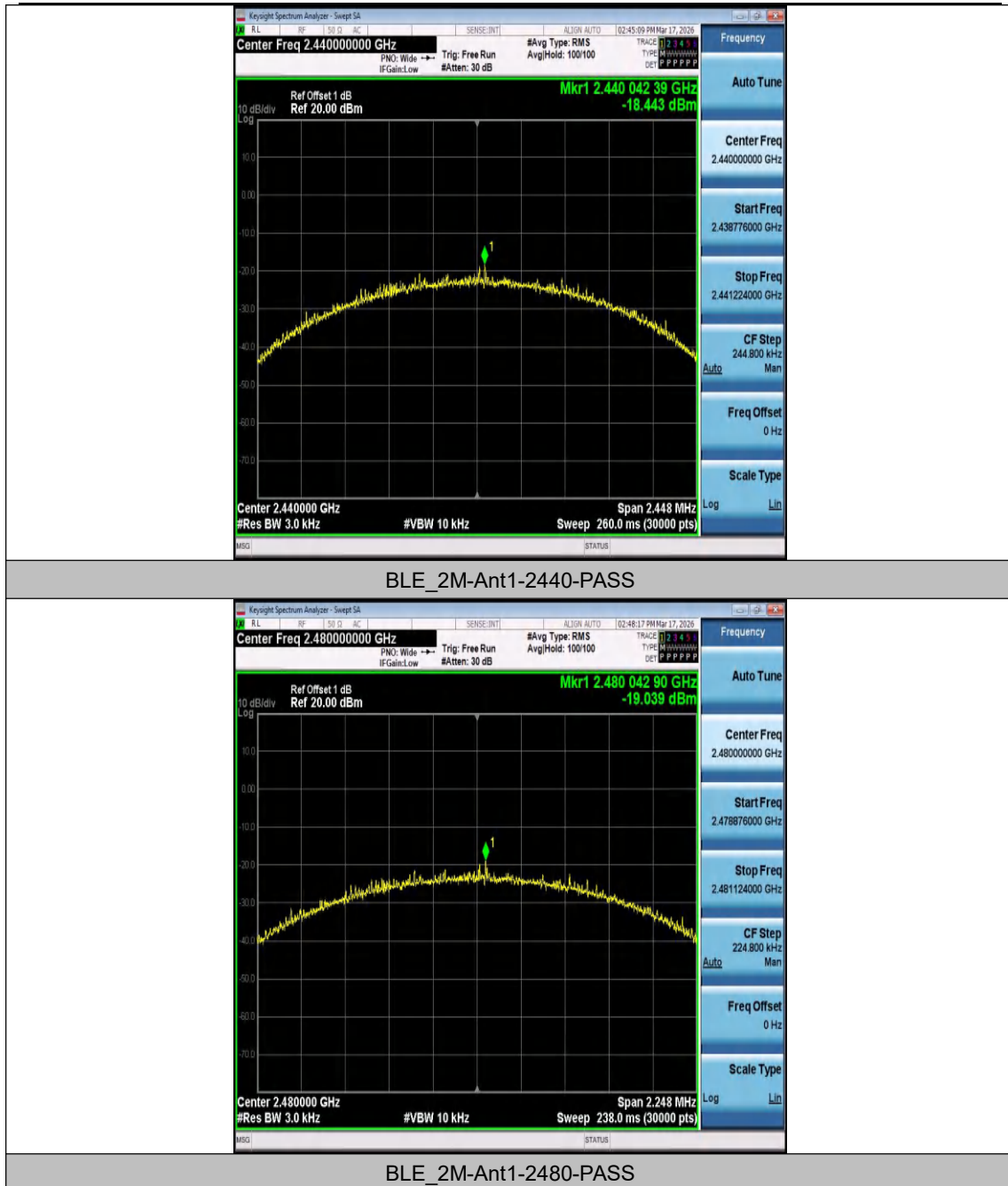
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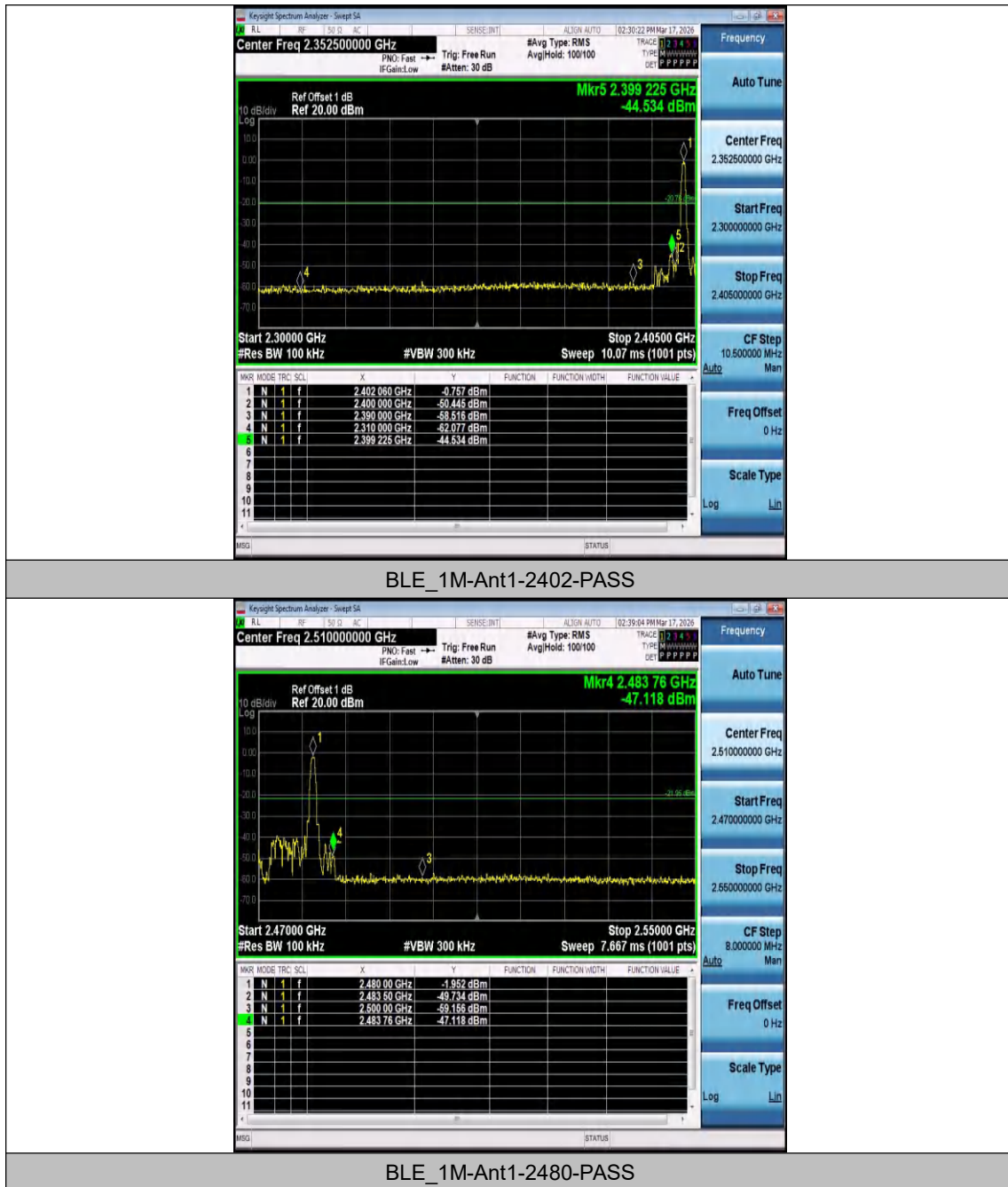
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.76	-44.53	≤-20.76	PASS
BLE_1M	Ant1	High	2480	-1.95	-47.12	≤-21.95	PASS
BLE_2M	Ant1	Low	2402	-1.24	-35.25	≤-21.24	PASS
BLE_2M	Ant1	High	2480	-2.12	-51.48	≤-22.12	PASS

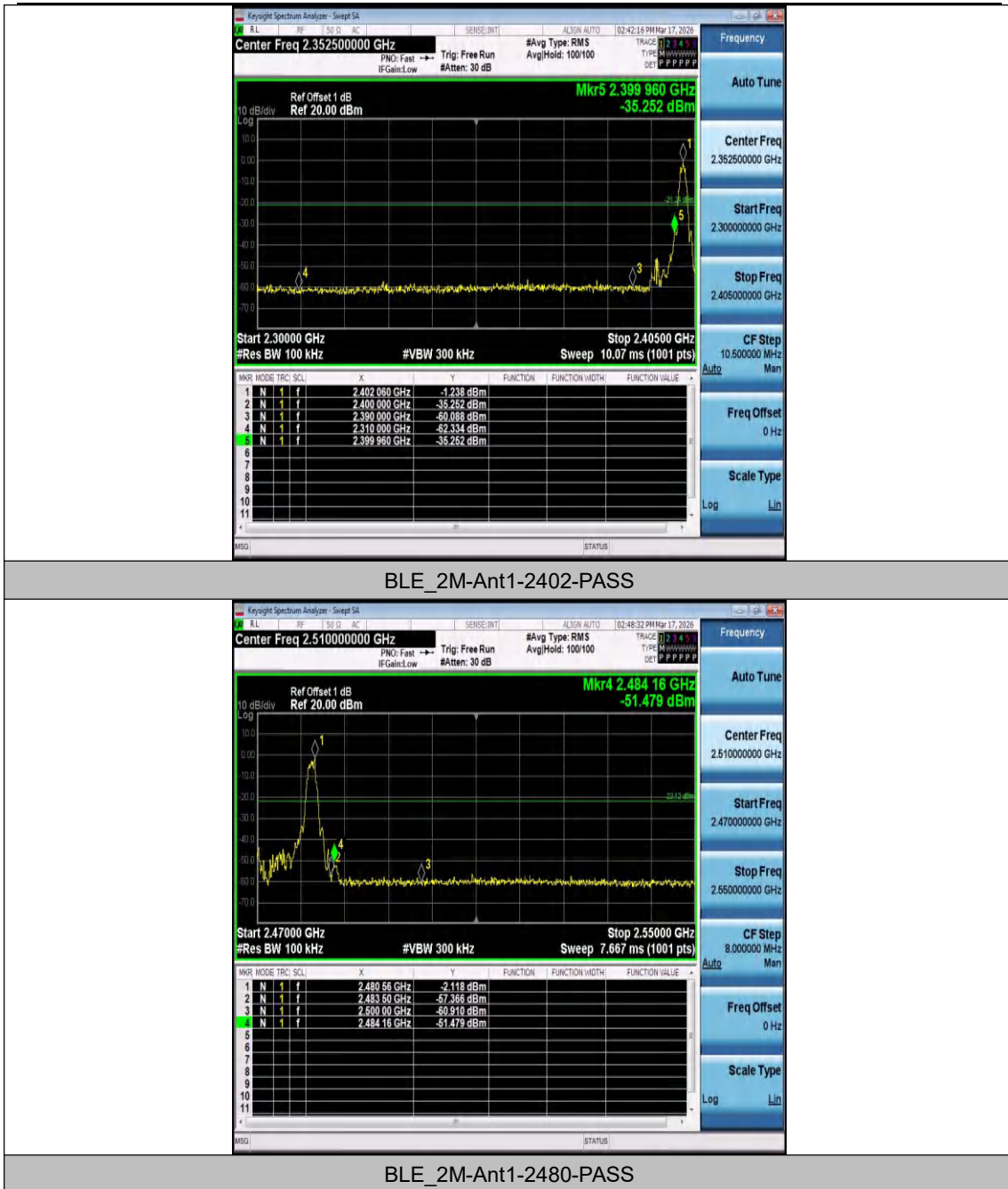
Test Graphs



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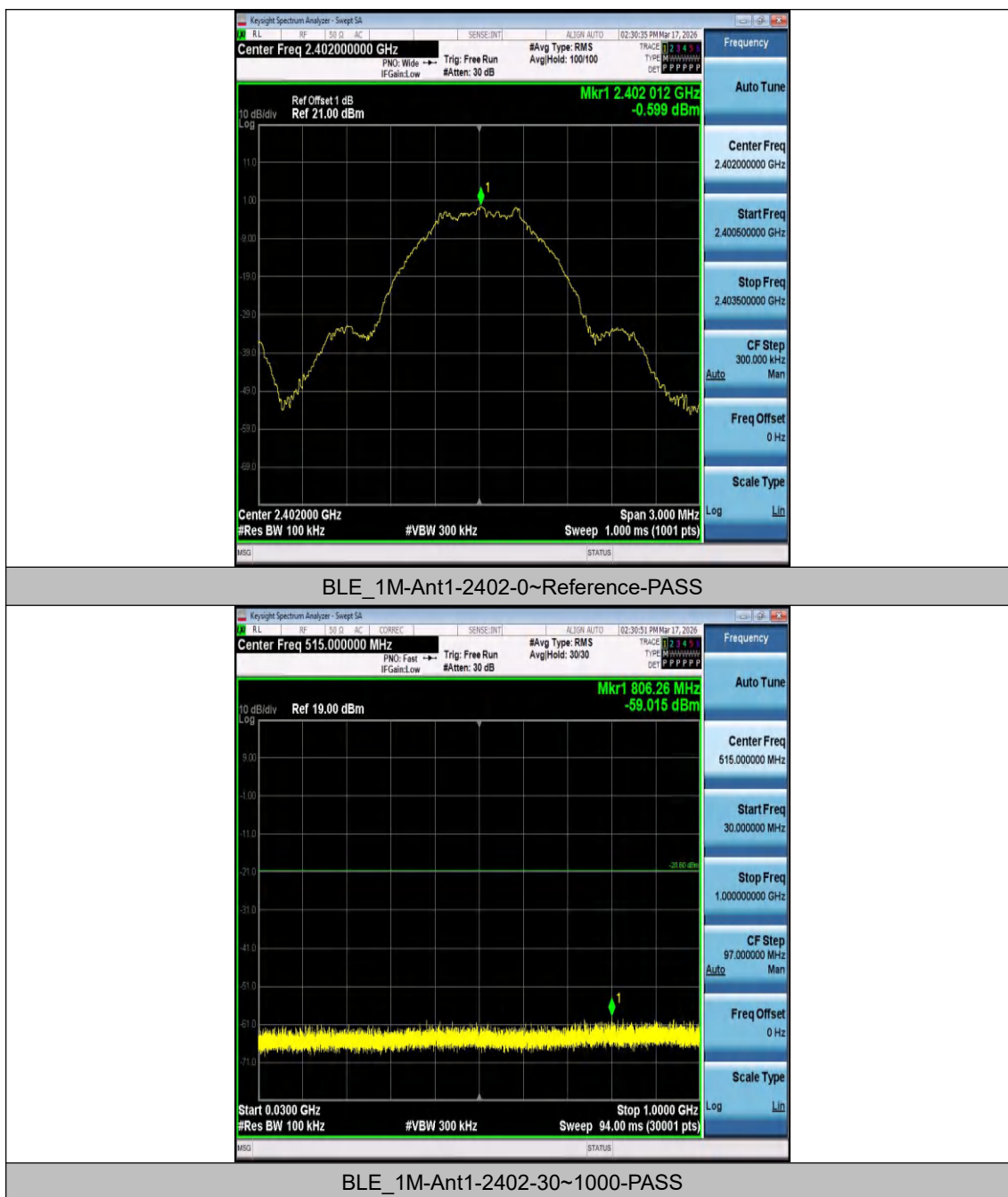
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.60	-0.60	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.60	-59.02	≤-20.6	PASS
BLE_1M	Ant1	2402	1000~26500	-0.60	-47.8	≤-20.6	PASS
BLE_1M	Ant1	2440	0~Reference	-0.81	-0.81	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.81	-59.68	≤-20.81	PASS
BLE_1M	Ant1	2440	1000~26500	-0.81	-49.14	≤-20.81	PASS
BLE_1M	Ant1	2480	0~Reference	-2.06	-2.06	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.06	-58.9	≤-22.06	PASS
BLE_1M	Ant1	2480	1000~26500	-2.06	-49.08	≤-22.06	PASS
BLE_2M	Ant1	2402	0~Reference	-1.67	-1.67	---	PASS
BLE_2M	Ant1	2402	30~1000	-1.67	-59.19	≤-21.67	PASS
BLE_2M	Ant1	2402	1000~26500	-1.67	-48.37	≤-21.67	PASS
BLE_2M	Ant1	2440	0~Reference	-0.61	-0.61	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.61	-58.91	≤-20.61	PASS
BLE_2M	Ant1	2440	1000~26500	-0.61	-48.94	≤-20.61	PASS
BLE_2M	Ant1	2480	0~Reference	-1.95	-1.95	---	PASS
BLE_2M	Ant1	2480	30~1000	-1.95	-59.34	≤-21.95	PASS
BLE_2M	Ant1	2480	1000~26500	-1.95	-48.85	≤-21.95	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.

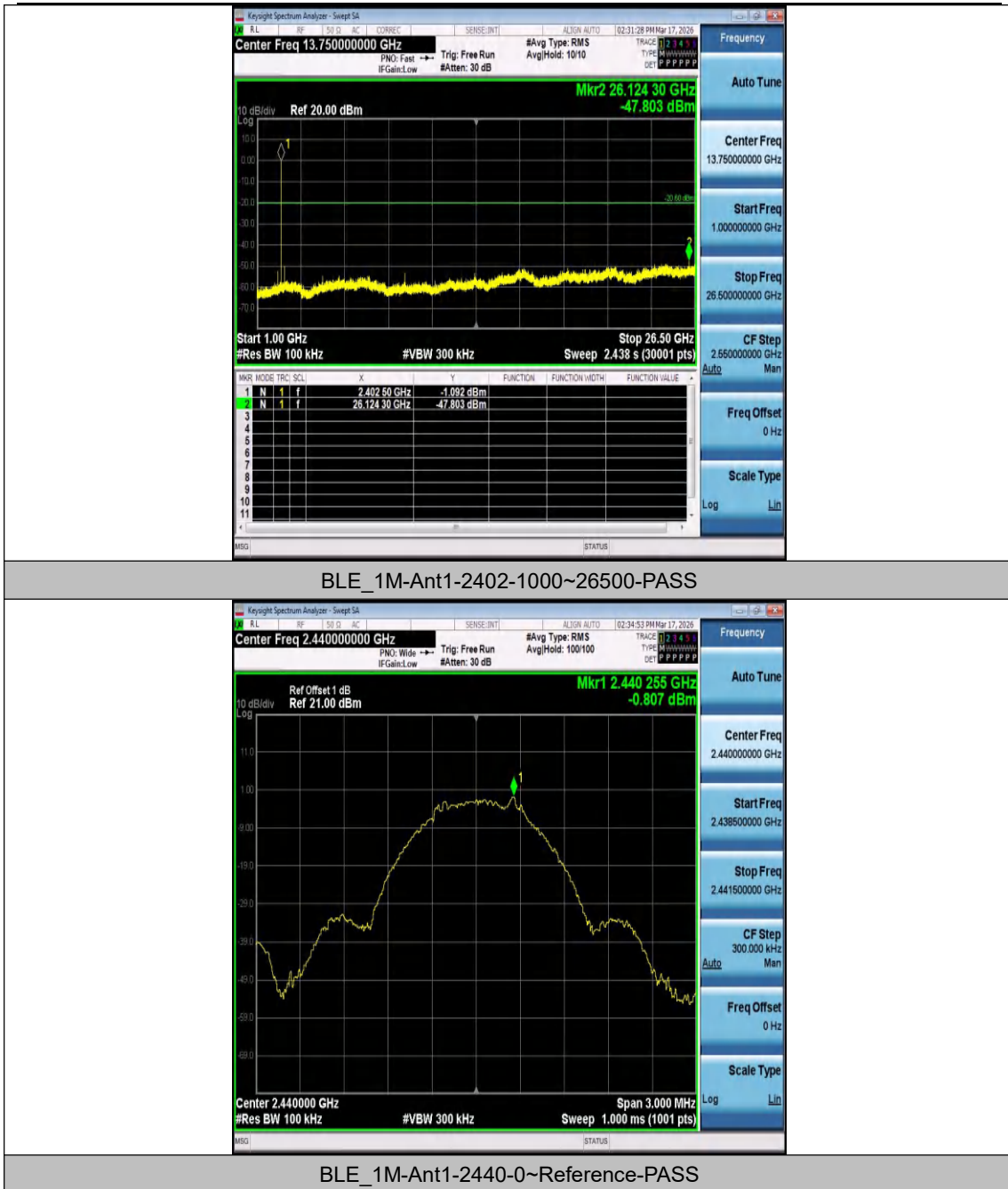
Test Graphs



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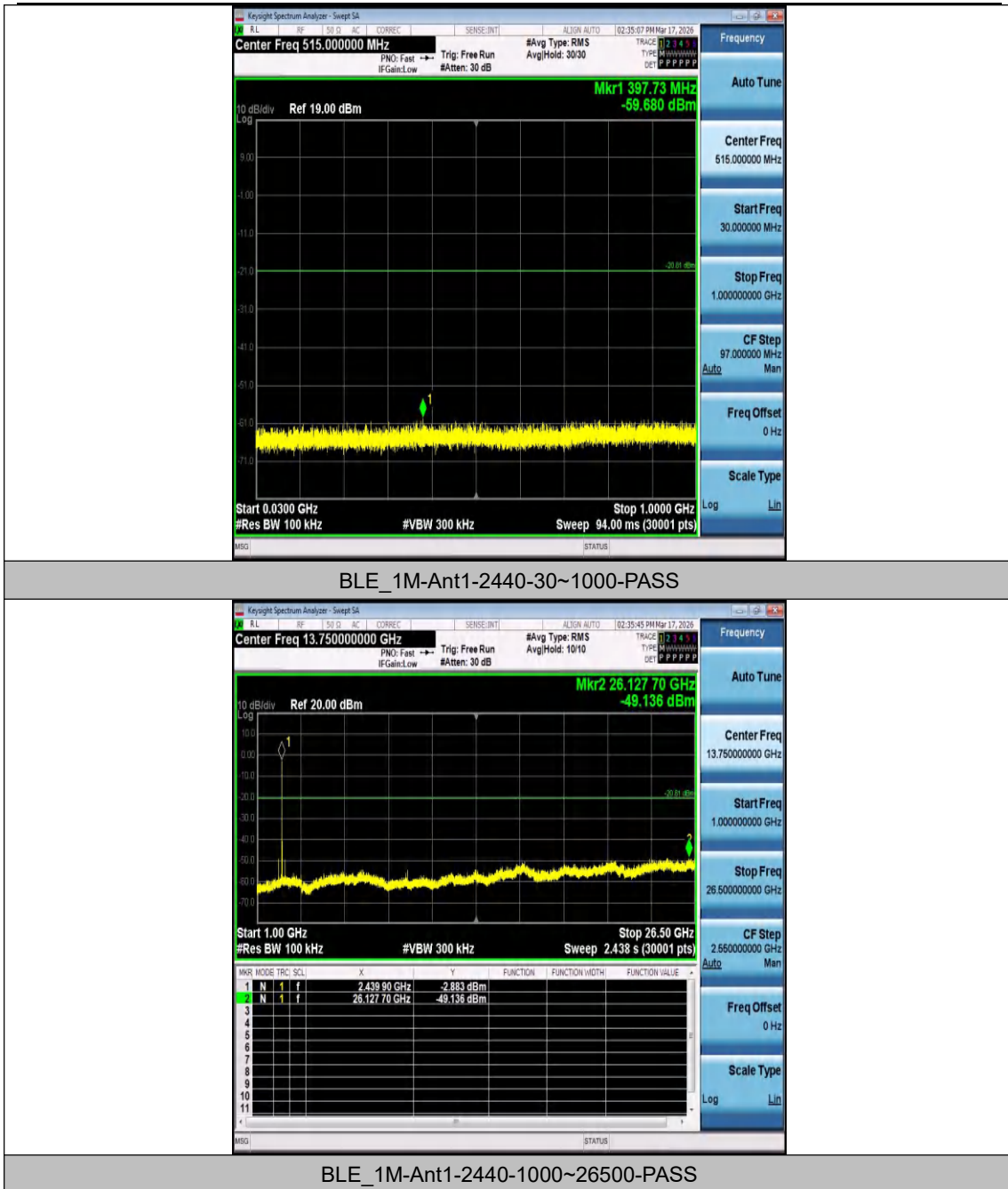
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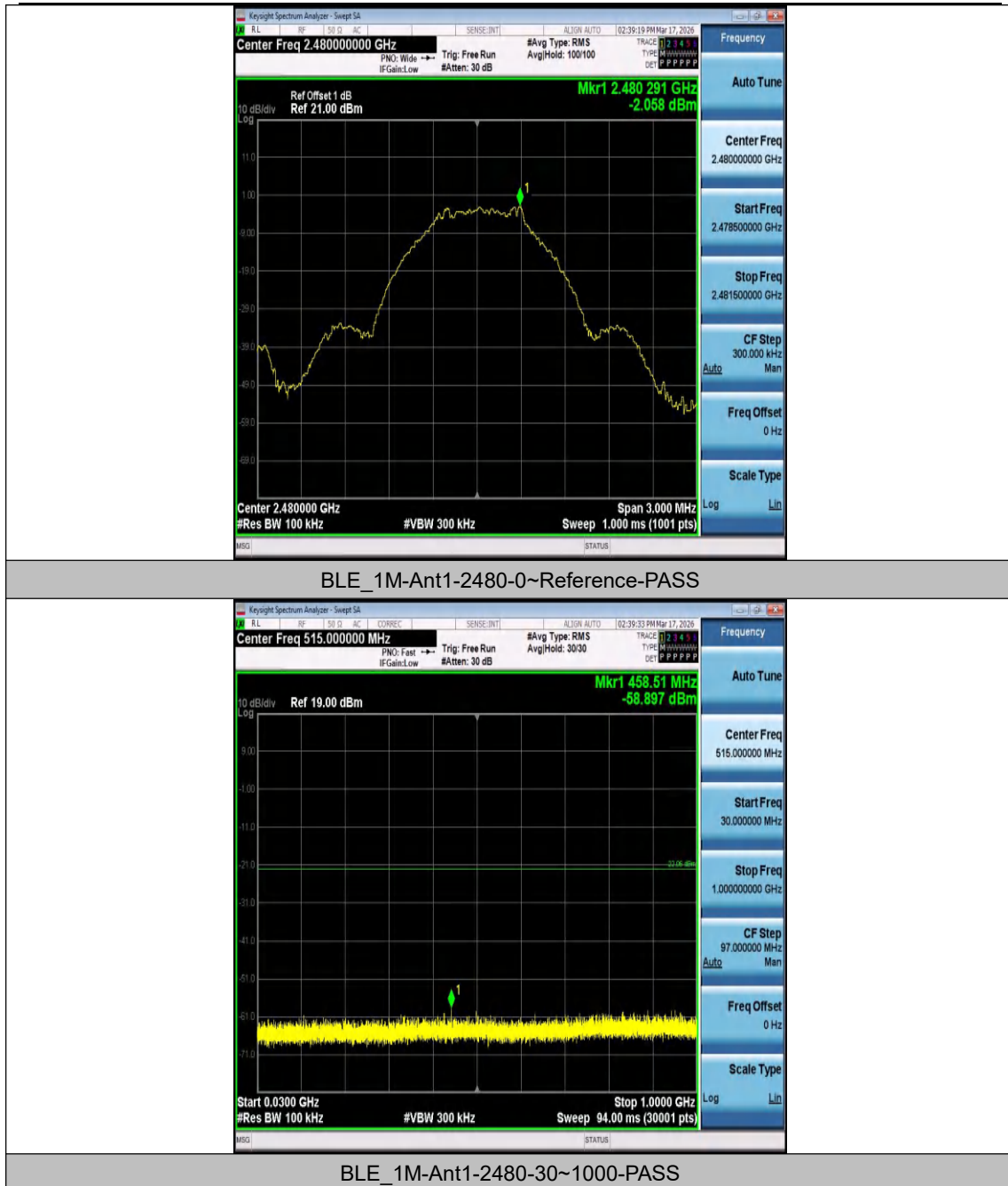
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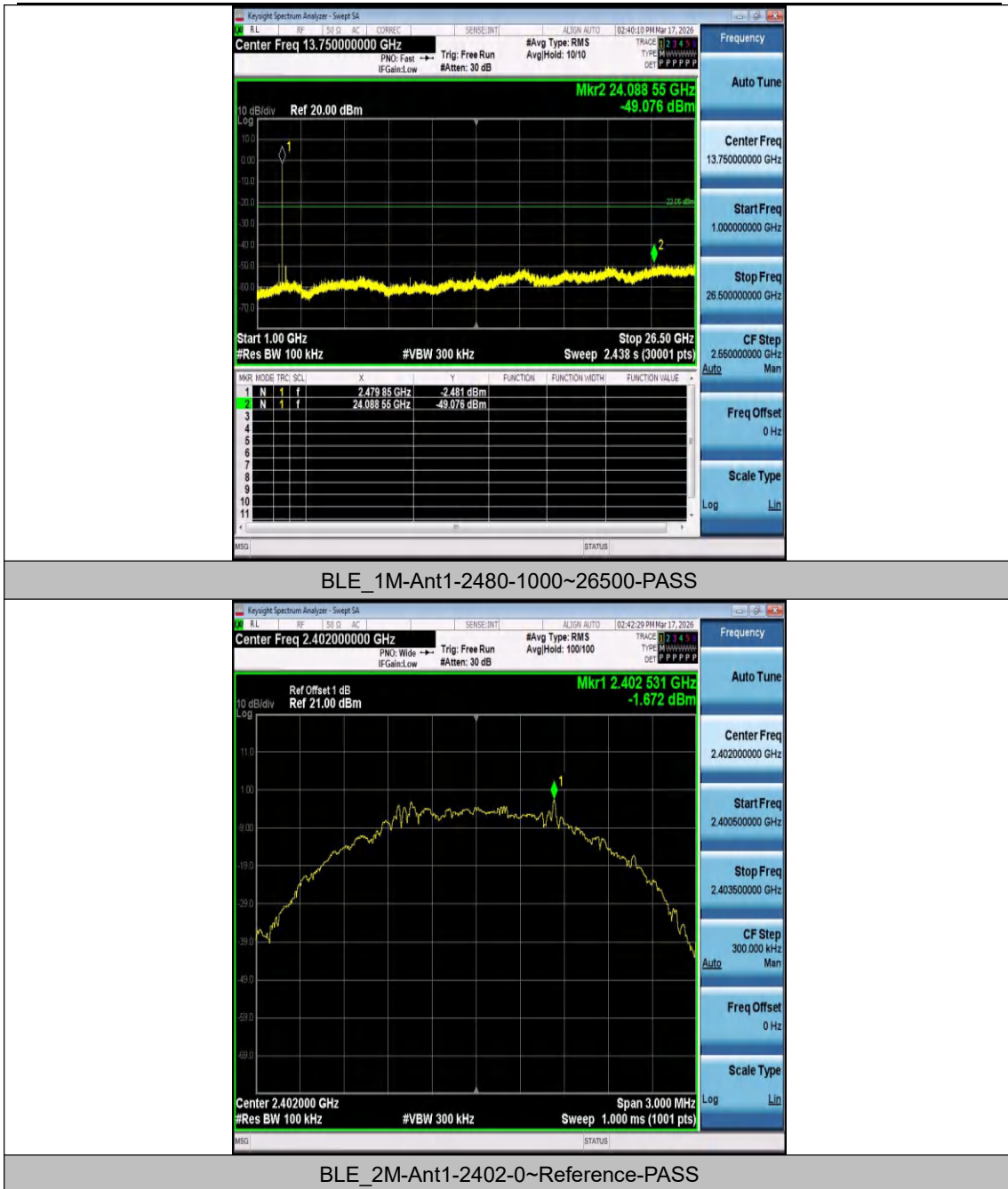
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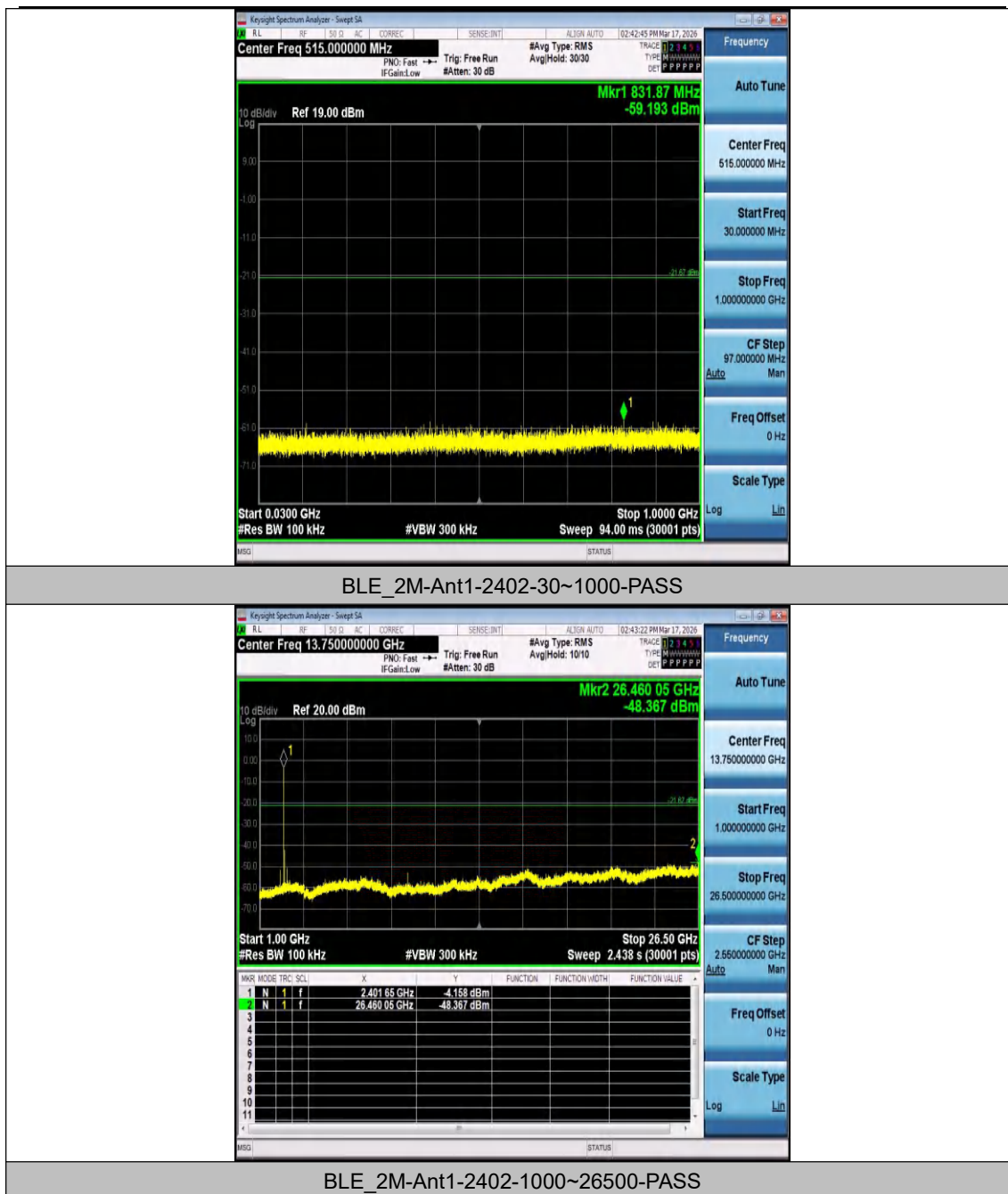
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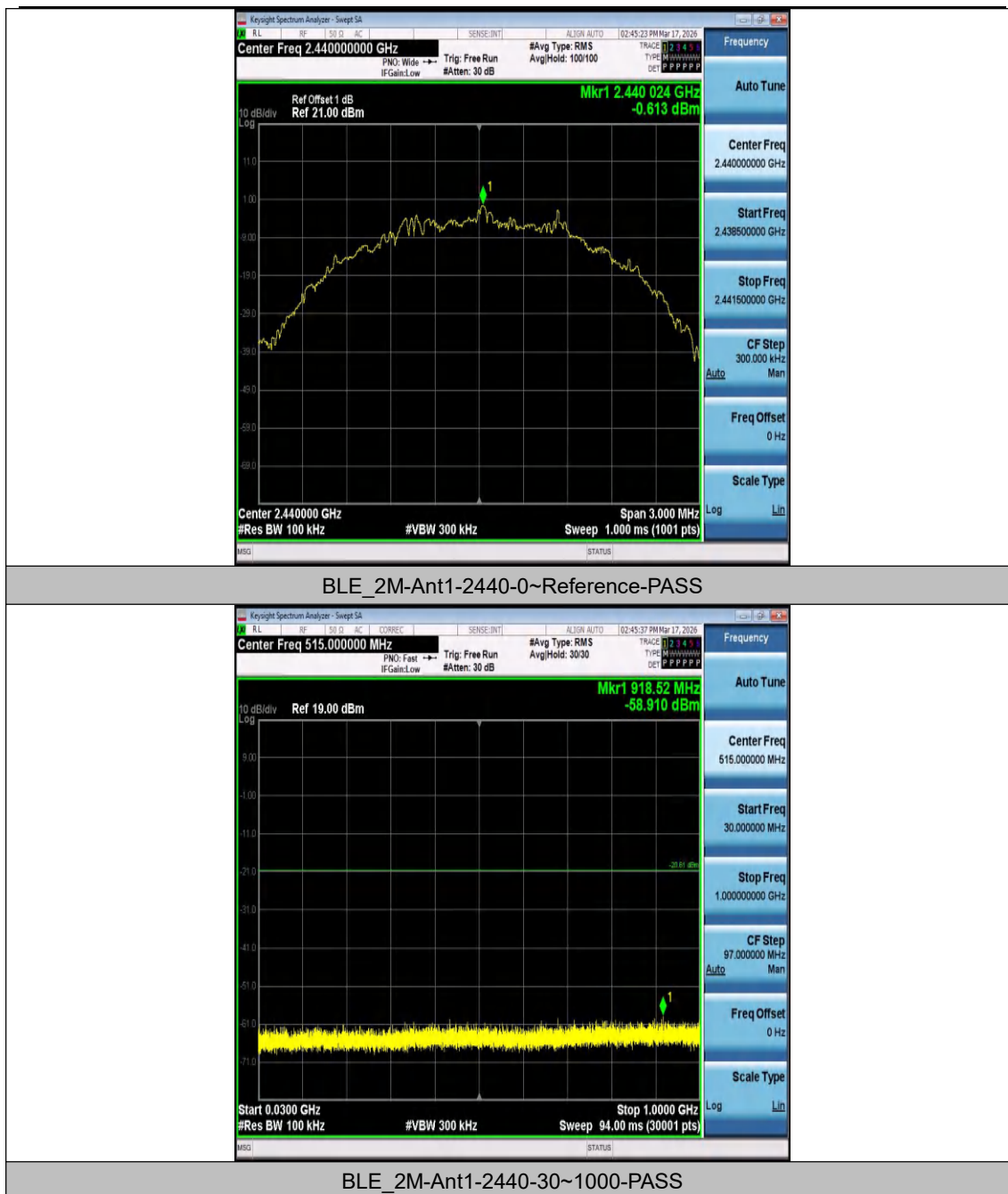
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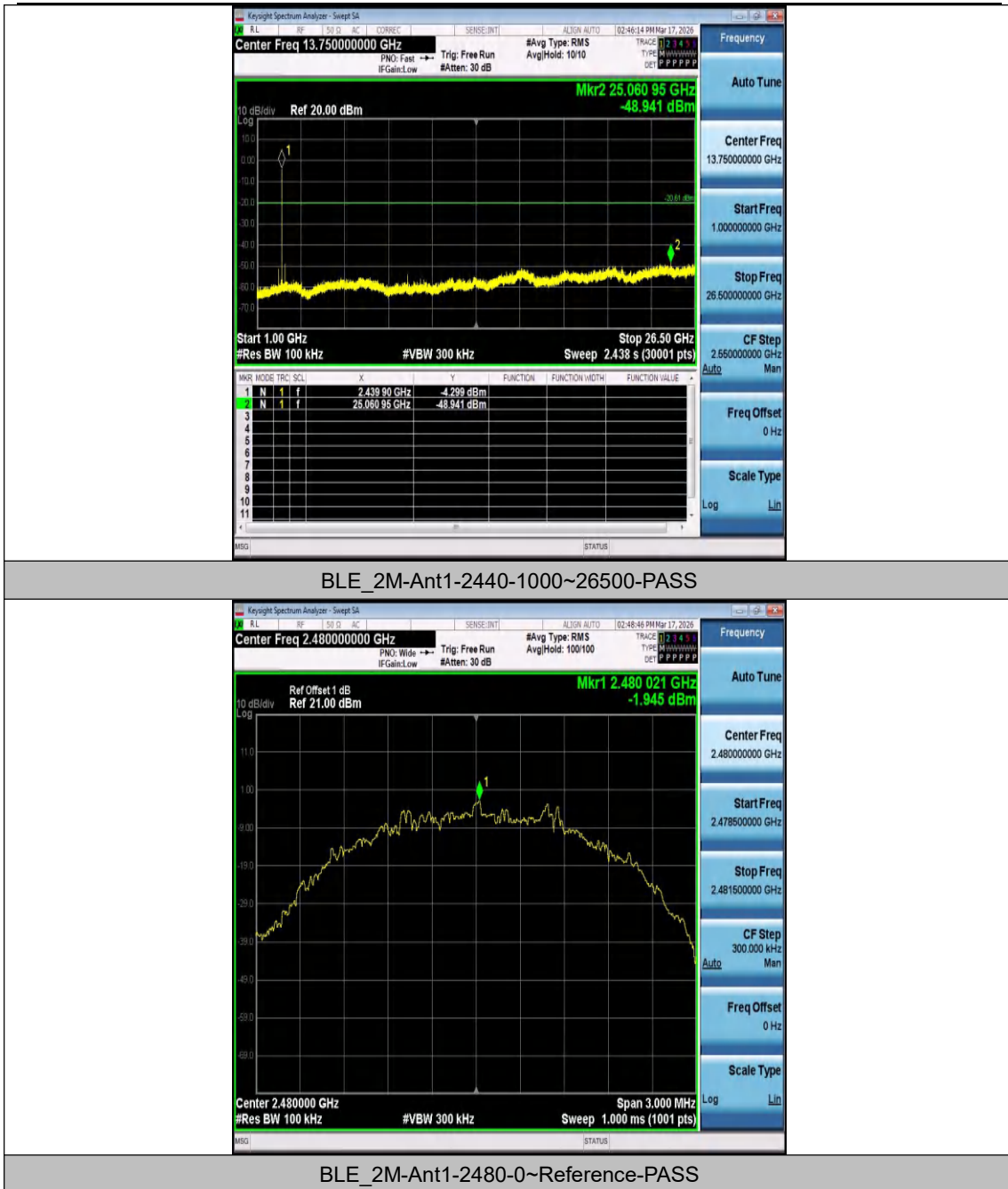
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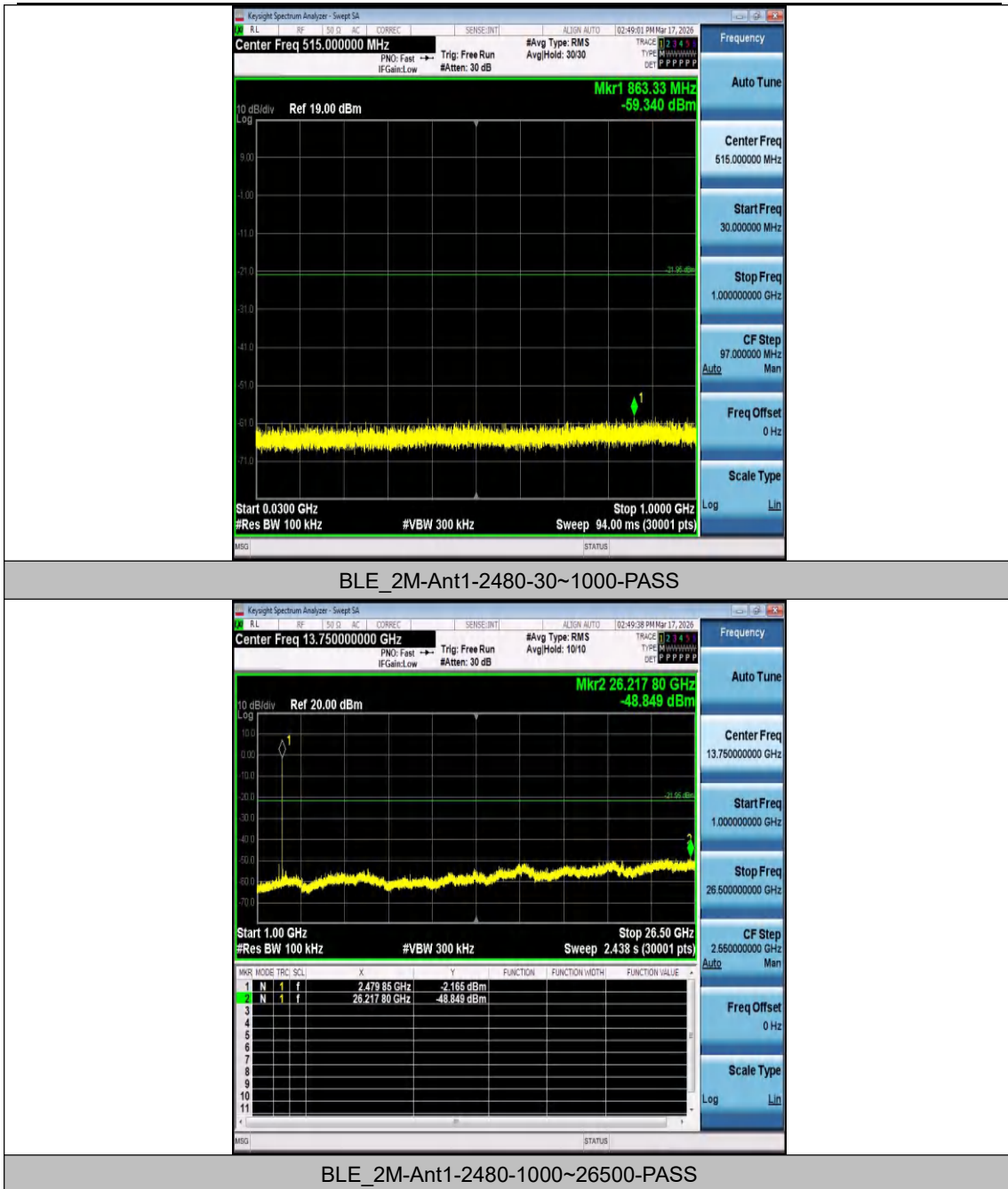
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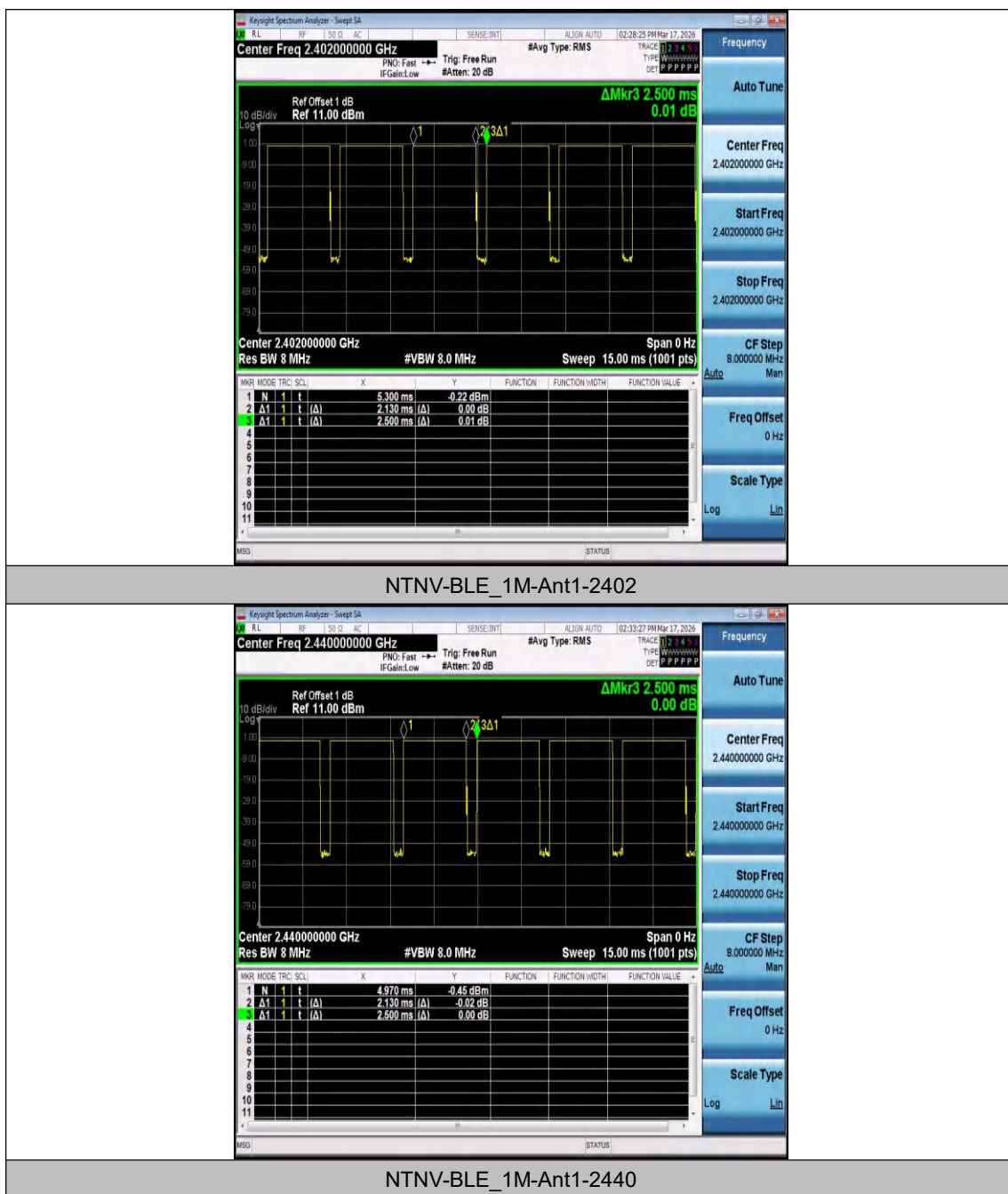
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Appendix G: Duty Cycle

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	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71
BLE_2M	Ant1	2402	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2440	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2480	1.08	2.50	43.20	3.65

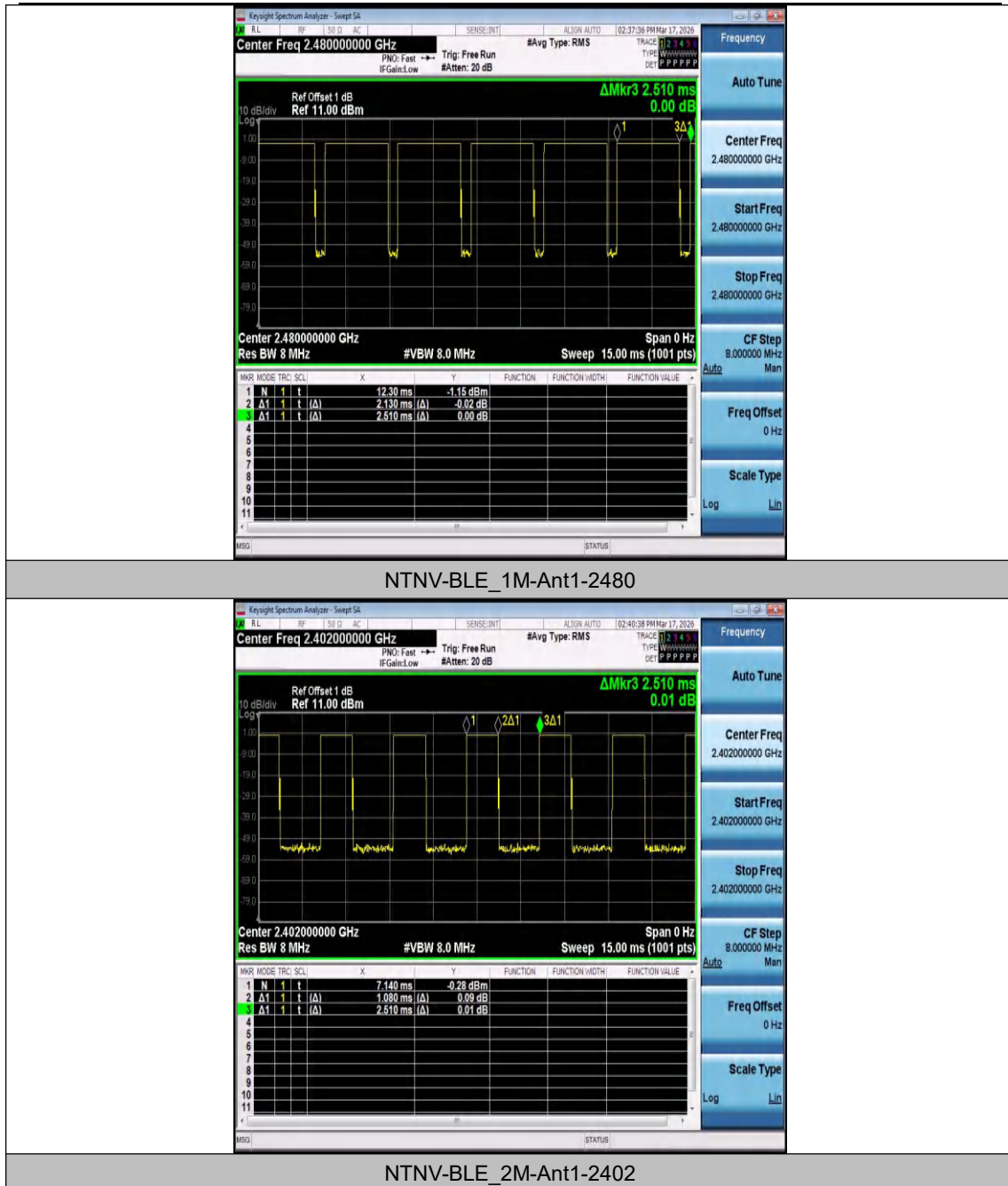
Test Graphs

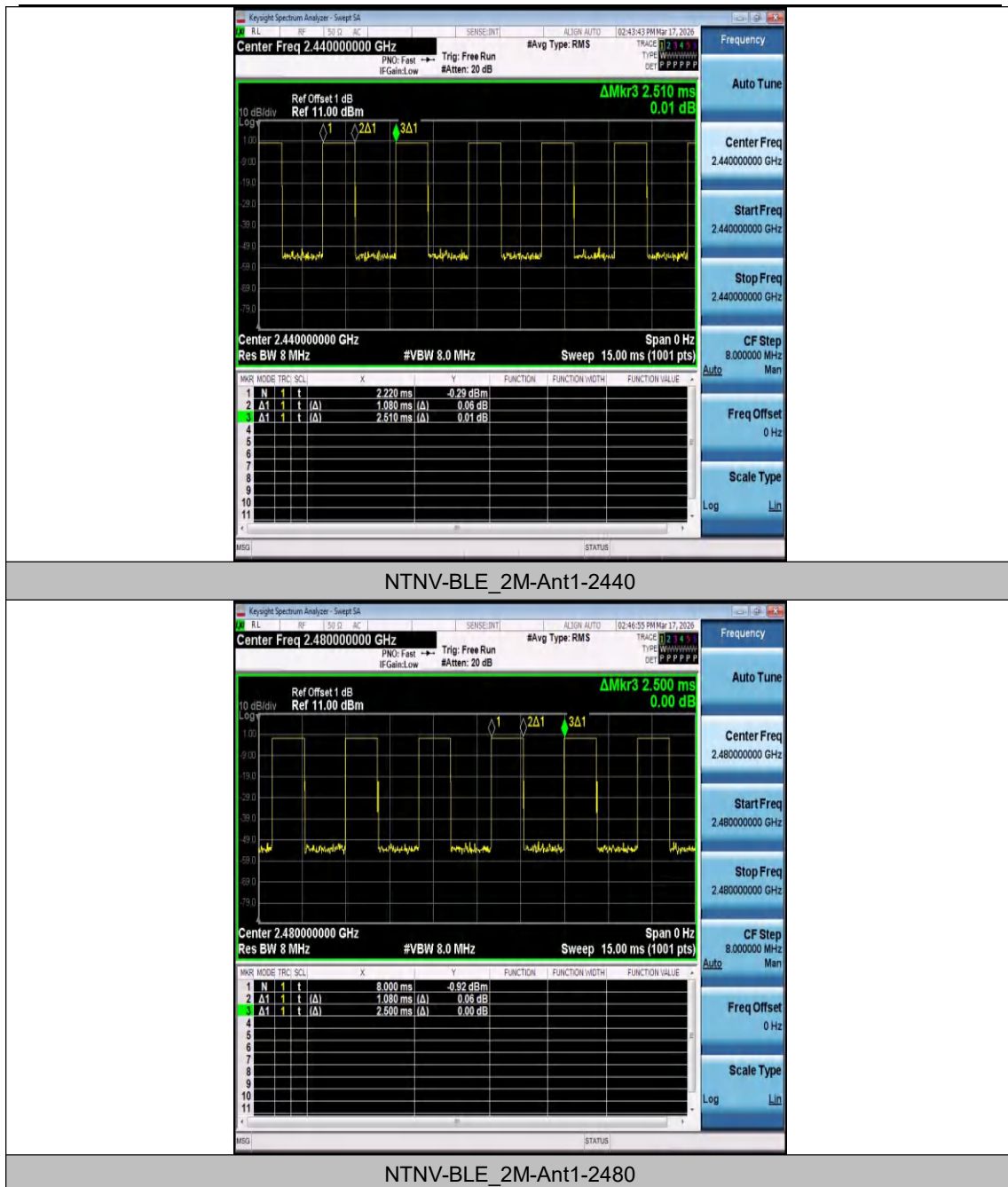


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