

Appendix Test Data

Report No.:	1812C60186212501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-4-7	Finish Test Date:	2026-4-8
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24.2°C	Relative Humidity:	61%
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	0.684	2401.672	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.668	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.684	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.240	2401.360	2402.600	0.5	PASS
BLE_2M	Ant1	2440	1.240	2439.372	2440.612	0.5	PASS
BLE_2M	Ant1	2480	1.148	2479.448	2480.596	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	1.0338	2401.5070	2402.5408	---	---
BLE_1M	Ant1	2440	1.0344	2439.5014	2440.5358	---	---
BLE_1M	Ant1	2480	1.0254	2479.5065	2480.5319	---	---
BLE_2M	Ant1	2402	2.0693	2400.9949	2403.0642	---	---
BLE_2M	Ant1	2440	2.0663	2438.9983	2441.0646	---	---
BLE_2M	Ant1	2480	2.0539	2478.9963	2481.0502	---	---

Test Graphs



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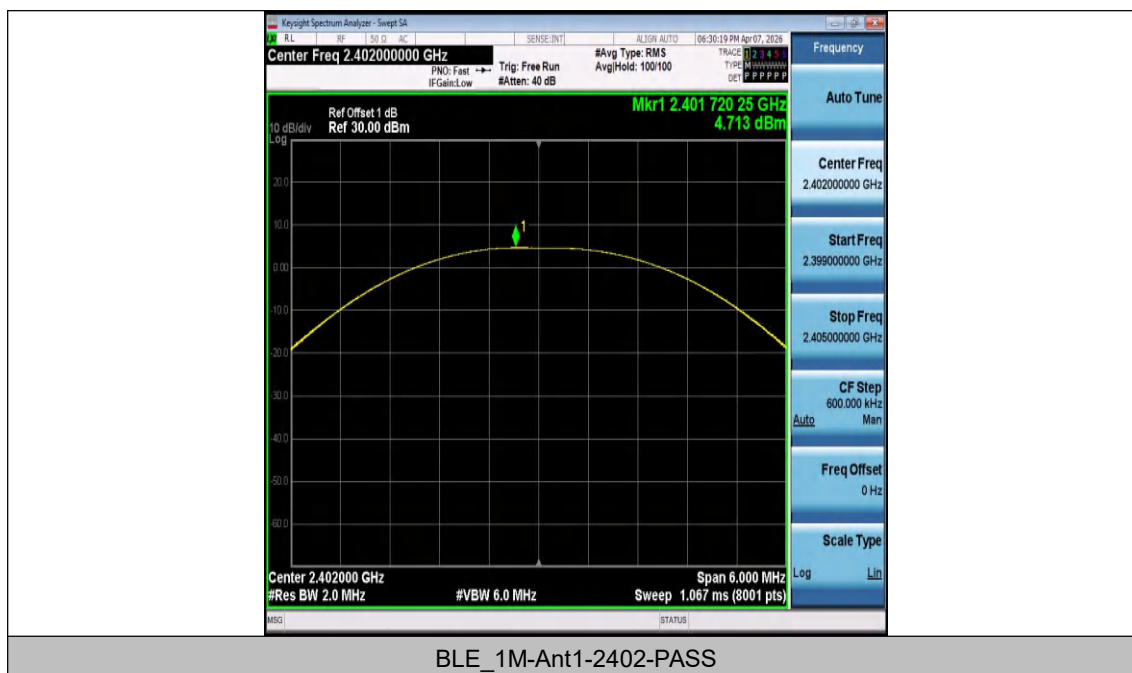
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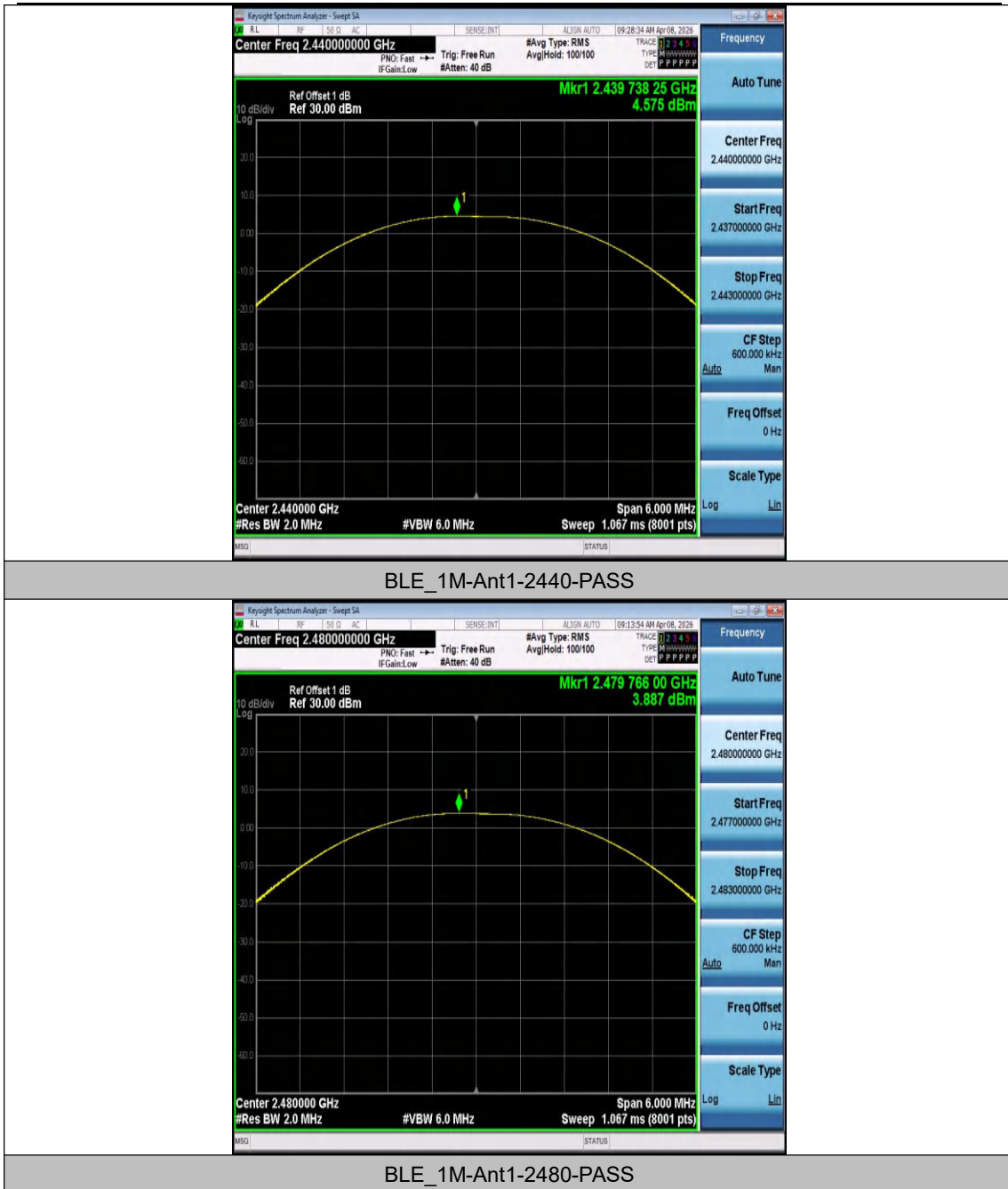
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.71	≤30	PASS
BLE_1M	Ant1	2440	4.58	≤30	PASS
BLE_1M	Ant1	2480	3.89	≤30	PASS
BLE_2M	Ant1	2402	4.92	≤30	PASS
BLE_2M	Ant1	2440	4.88	≤30	PASS
BLE_2M	Ant1	2480	4.09	≤30	PASS

Test Graphs Peak

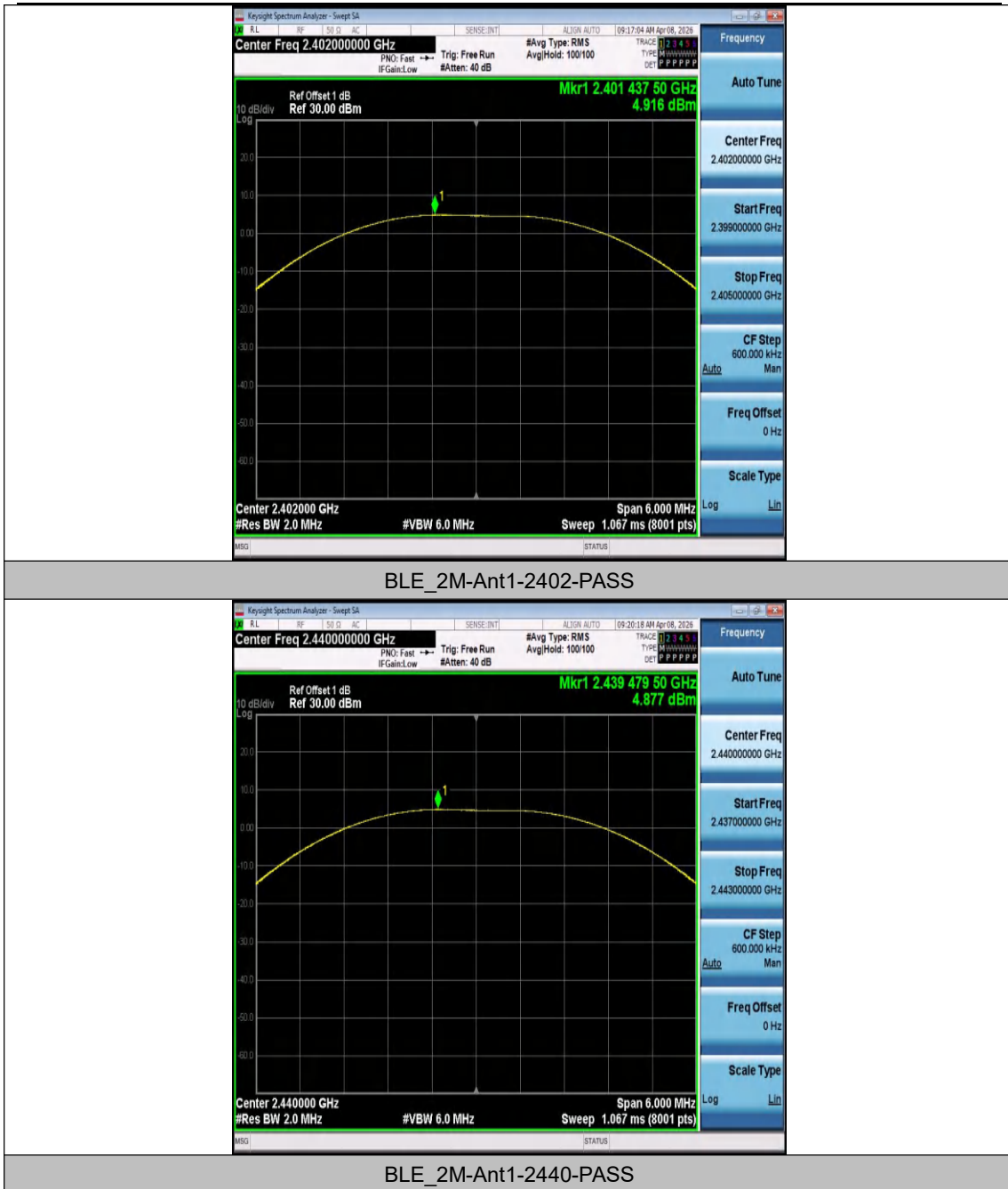




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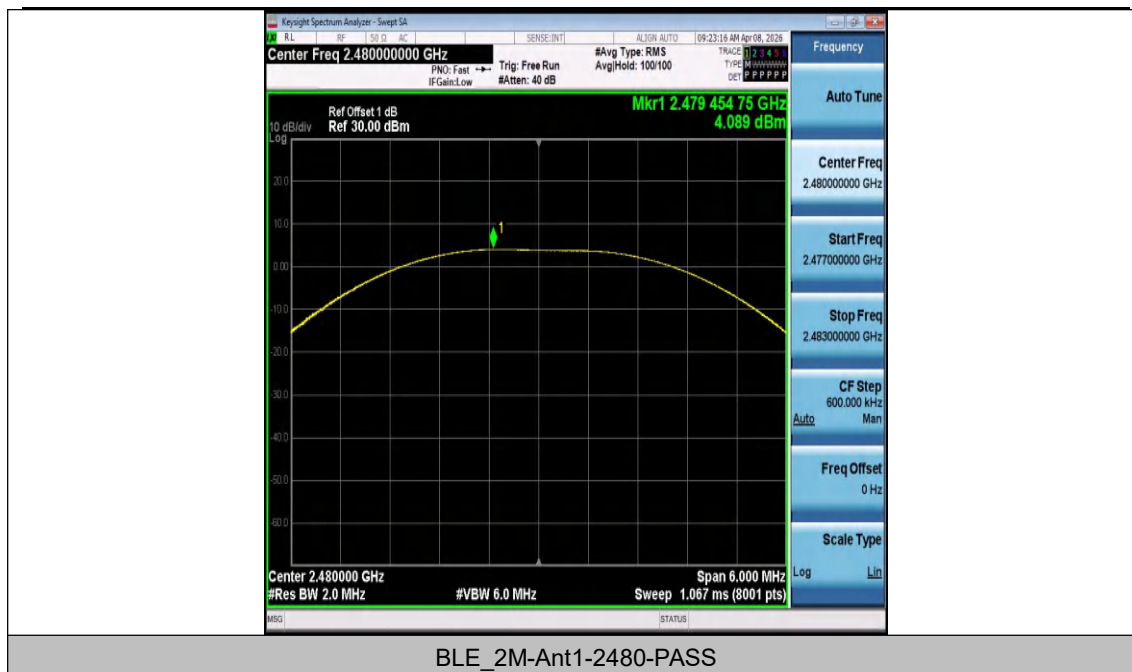
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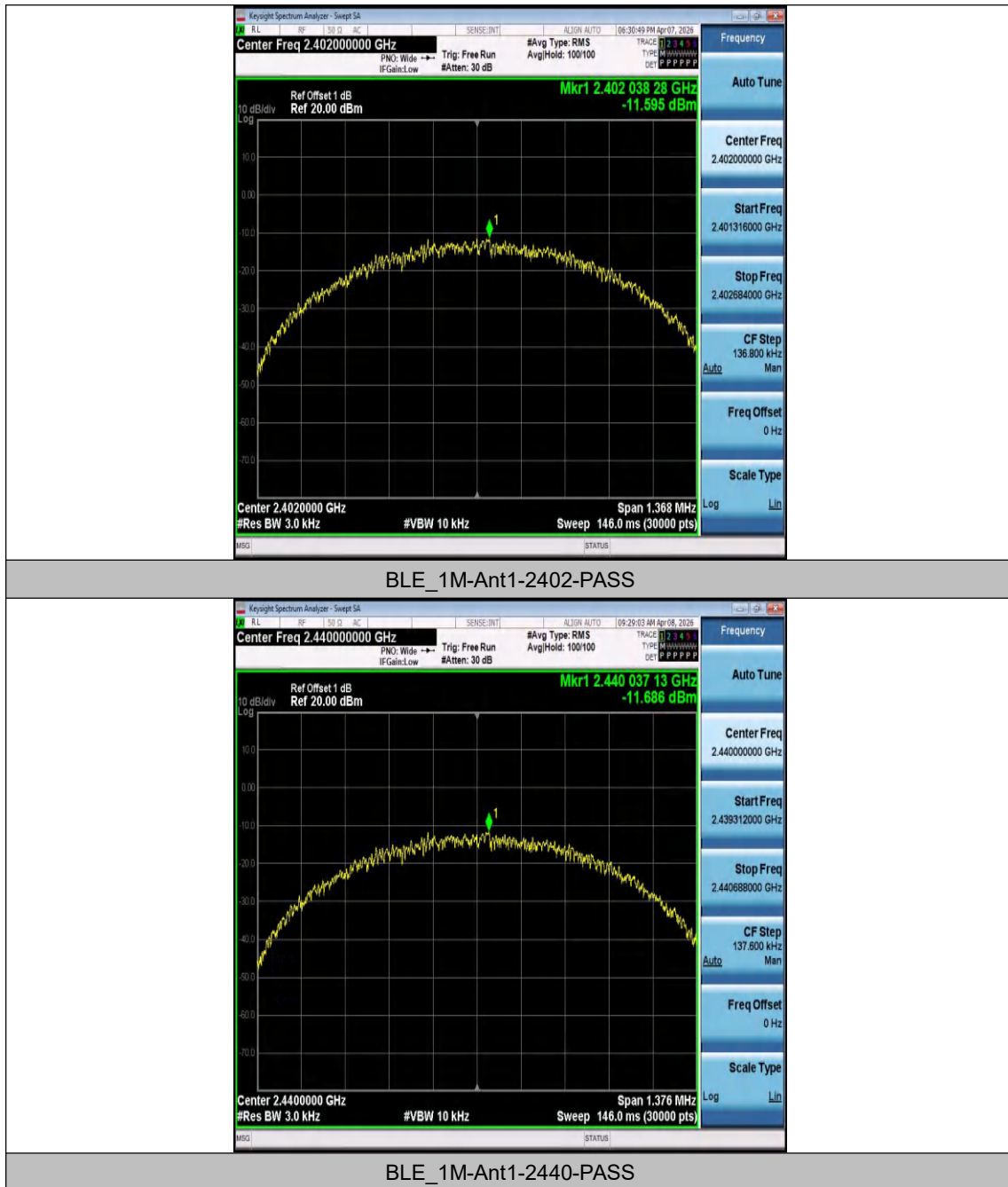
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.60	≤8.00	PASS
BLE_1M	Ant1	2440	-11.69	≤8.00	PASS
BLE_1M	Ant1	2480	-12.38	≤8.00	PASS
BLE_2M	Ant1	2402	-13.89	≤8.00	PASS
BLE_2M	Ant1	2440	-13.63	≤8.00	PASS
BLE_2M	Ant1	2480	-14.40	≤8.00	PASS

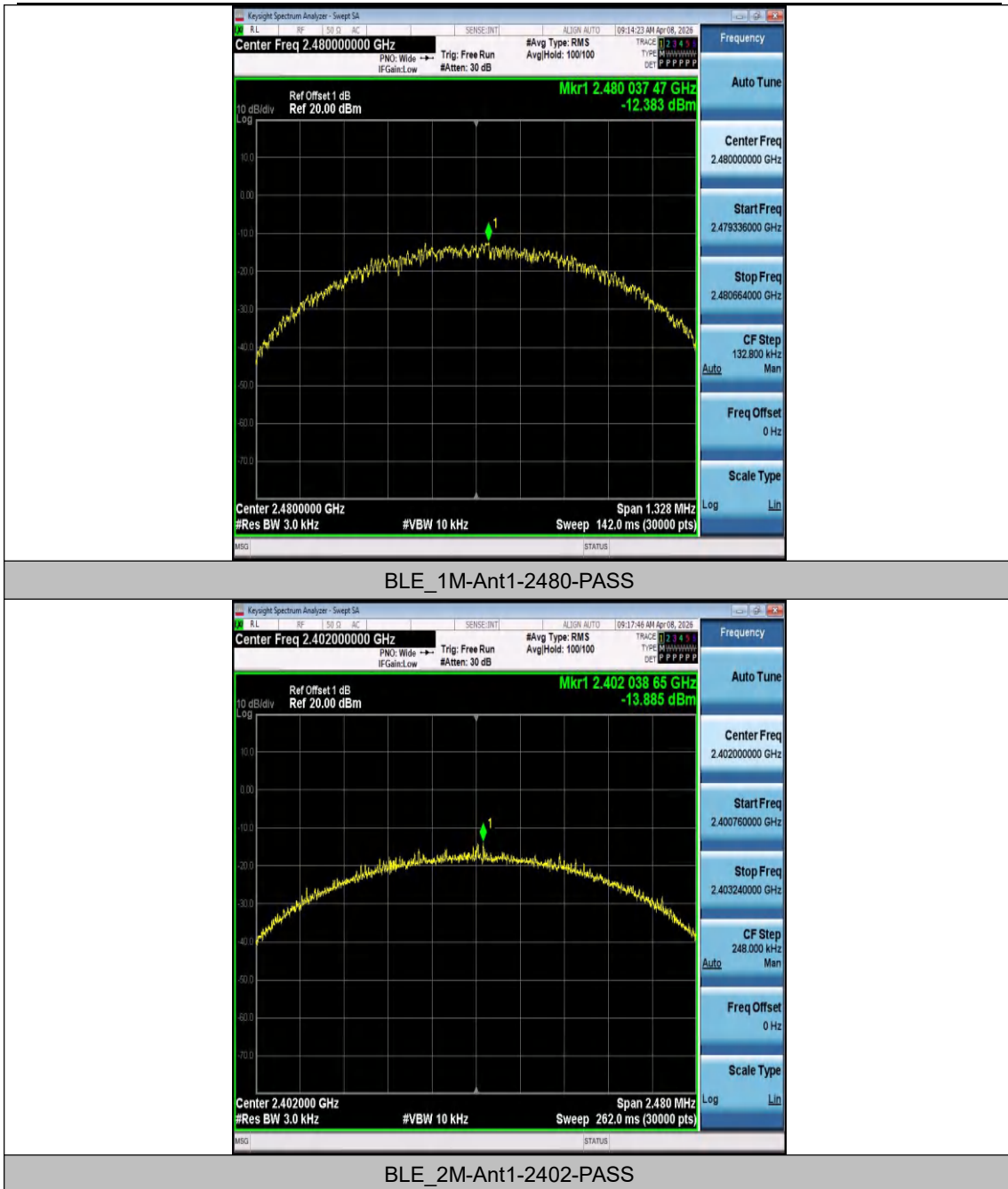
Test Graphs



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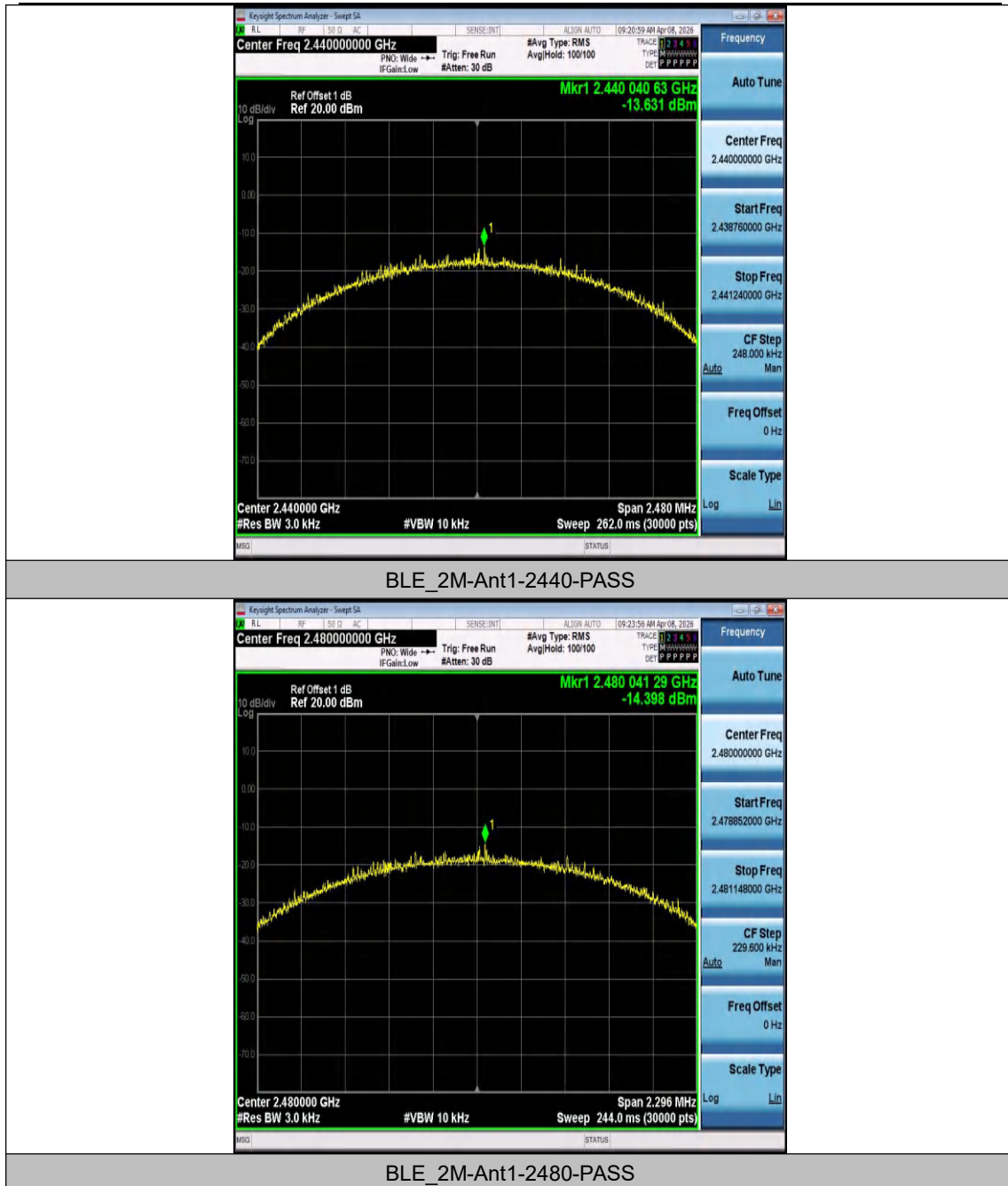
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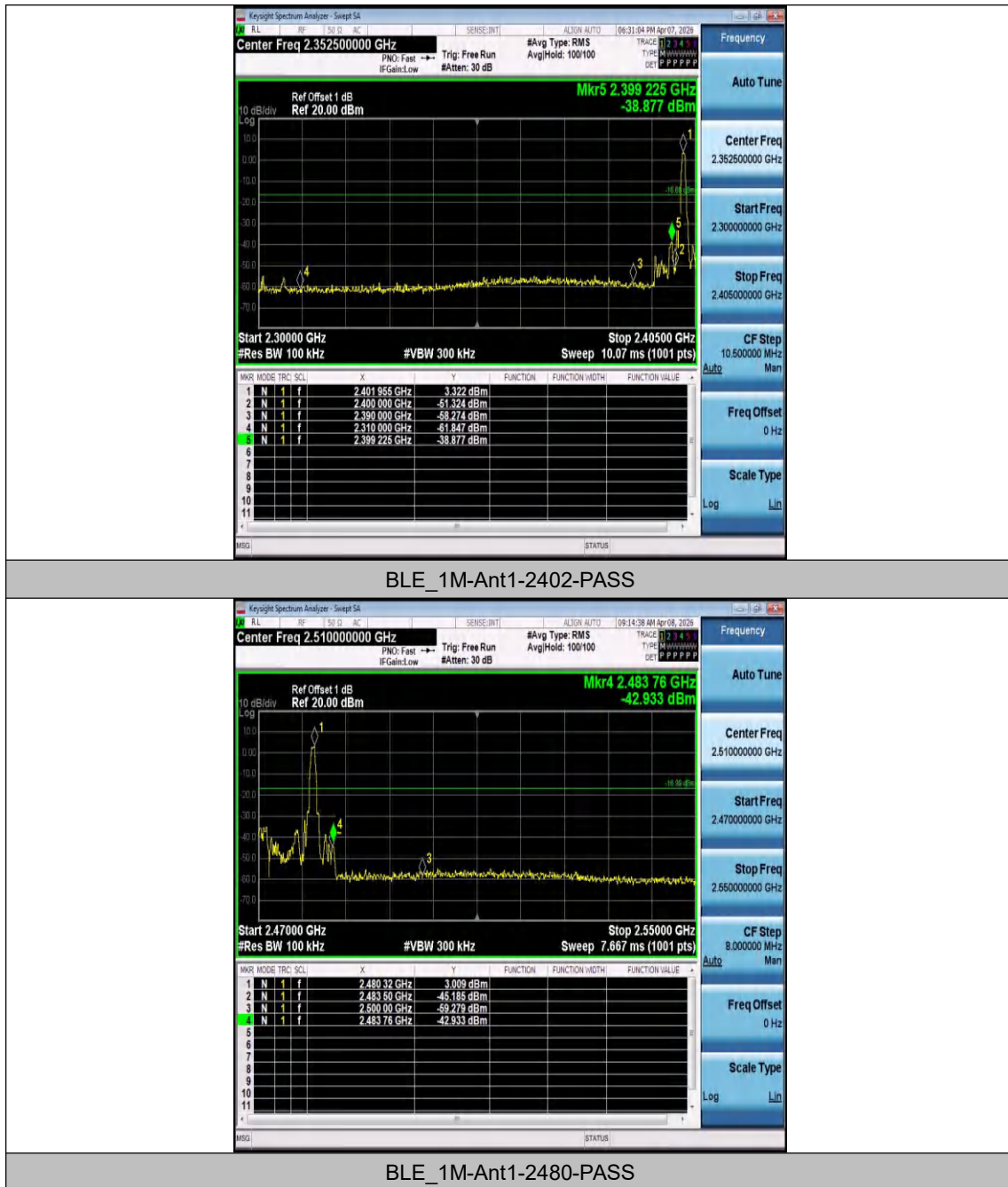
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.32	-38.88	≤-16.68	PASS
BLE_1M	Ant1	High	2480	3.01	-42.93	≤-16.99	PASS
BLE_2M	Ant1	Low	2402	3.78	-27.08	≤-16.22	PASS
BLE_2M	Ant1	High	2480	2.89	-44.22	≤-17.11	PASS

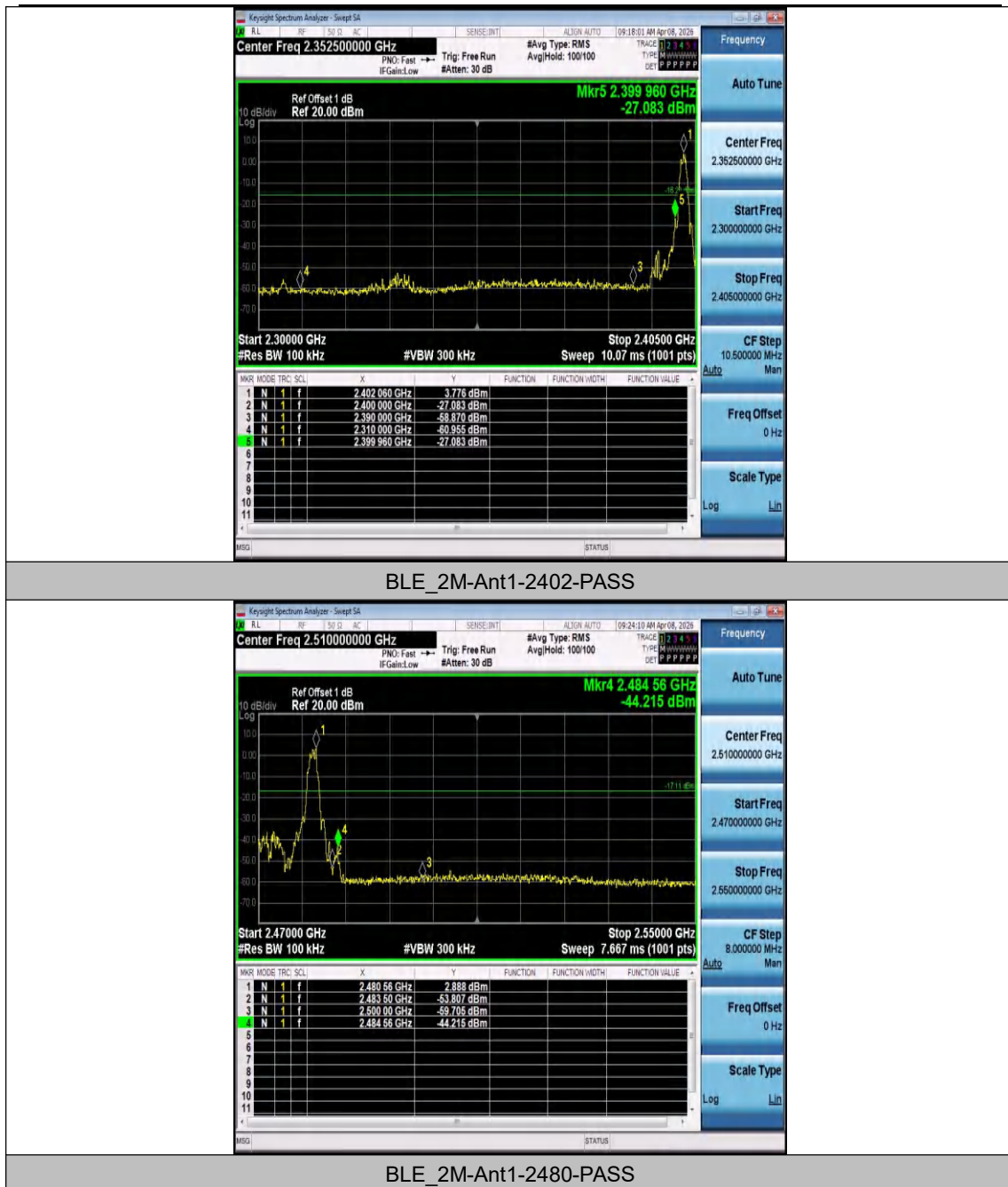
Test Graphs



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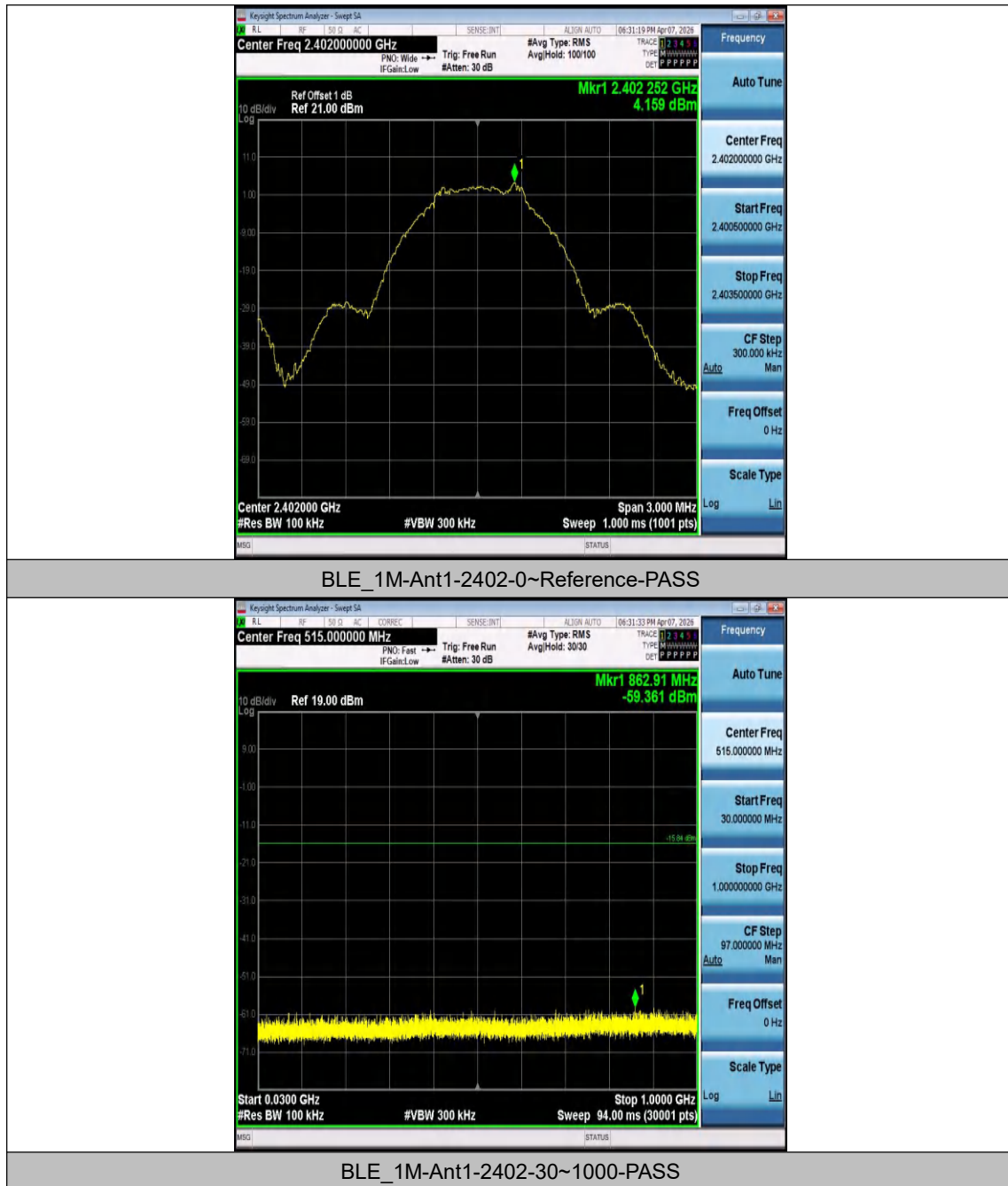
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	4.16	4.16	---	PASS
BLE_1M	Ant1	2402	30~1000	4.16	-59.36	≤-15.84	PASS
BLE_1M	Ant1	2402	1000~26500	4.16	-44.22	≤-15.84	PASS
BLE_1M	Ant1	2440	0~Reference	4.19	4.19	---	PASS
BLE_1M	Ant1	2440	30~1000	4.19	-58.31	≤-15.81	PASS
BLE_1M	Ant1	2440	1000~26500	4.19	-46.58	≤-15.81	PASS
BLE_1M	Ant1	2480	0~Reference	3.56	3.56	---	PASS
BLE_1M	Ant1	2480	30~1000	3.56	-58.95	≤-16.44	PASS
BLE_1M	Ant1	2480	1000~26500	3.56	-43.93	≤-16.44	PASS
BLE_2M	Ant1	2402	0~Reference	3.50	3.50	---	PASS
BLE_2M	Ant1	2402	30~1000	3.50	-58.98	≤-16.5	PASS
BLE_2M	Ant1	2402	1000~26500	3.50	-46.55	≤-16.5	PASS
BLE_2M	Ant1	2440	0~Reference	4.28	4.28	---	PASS
BLE_2M	Ant1	2440	30~1000	4.28	-58.34	≤-15.72	PASS
BLE_2M	Ant1	2440	1000~26500	4.28	-47.4	≤-15.72	PASS
BLE_2M	Ant1	2480	0~Reference	2.14	2.14	---	PASS
BLE_2M	Ant1	2480	30~1000	2.14	-59	≤-17.86	PASS
BLE_2M	Ant1	2480	1000~26500	2.14	-45.03	≤-17.86	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.

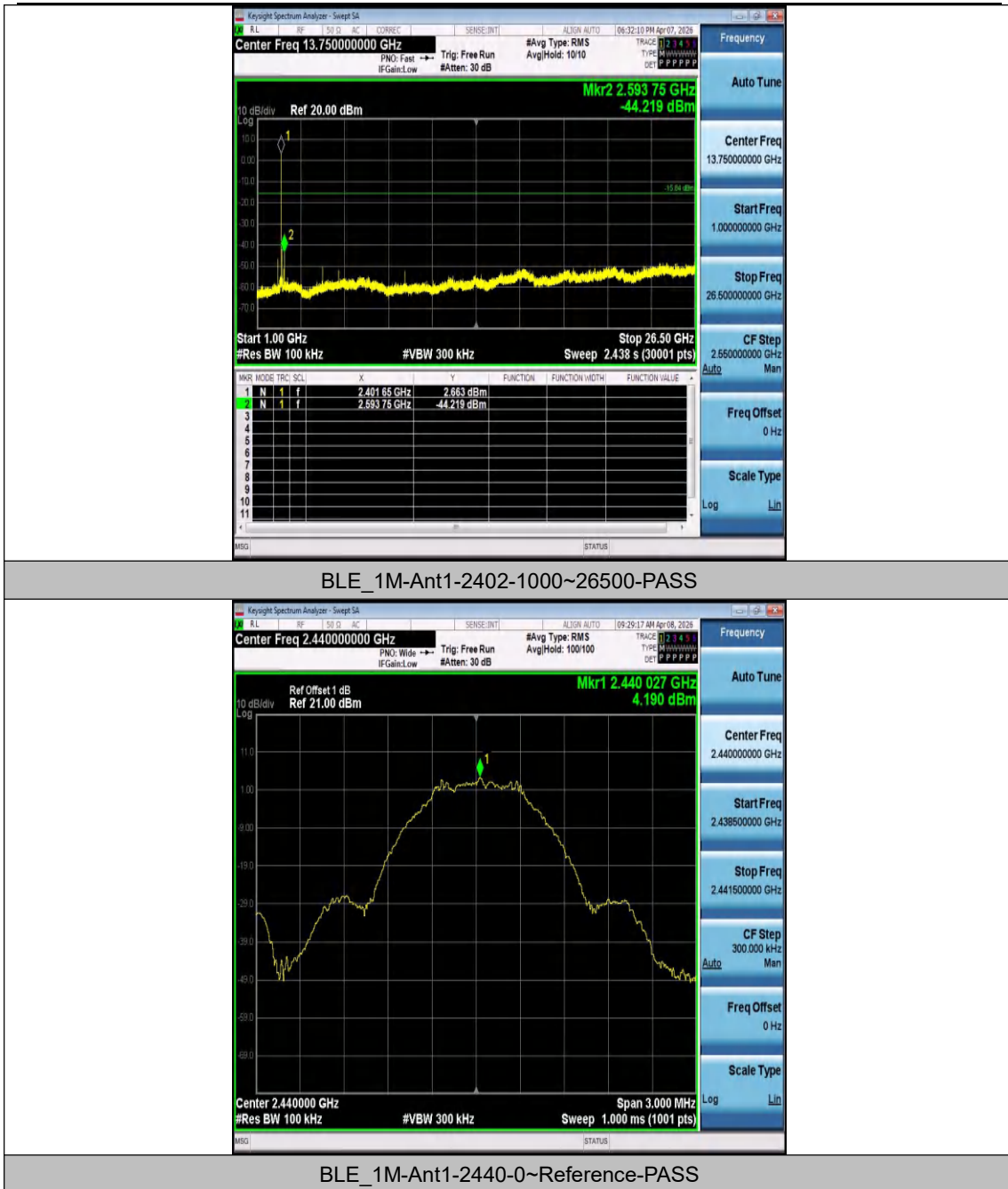
Test Graphs



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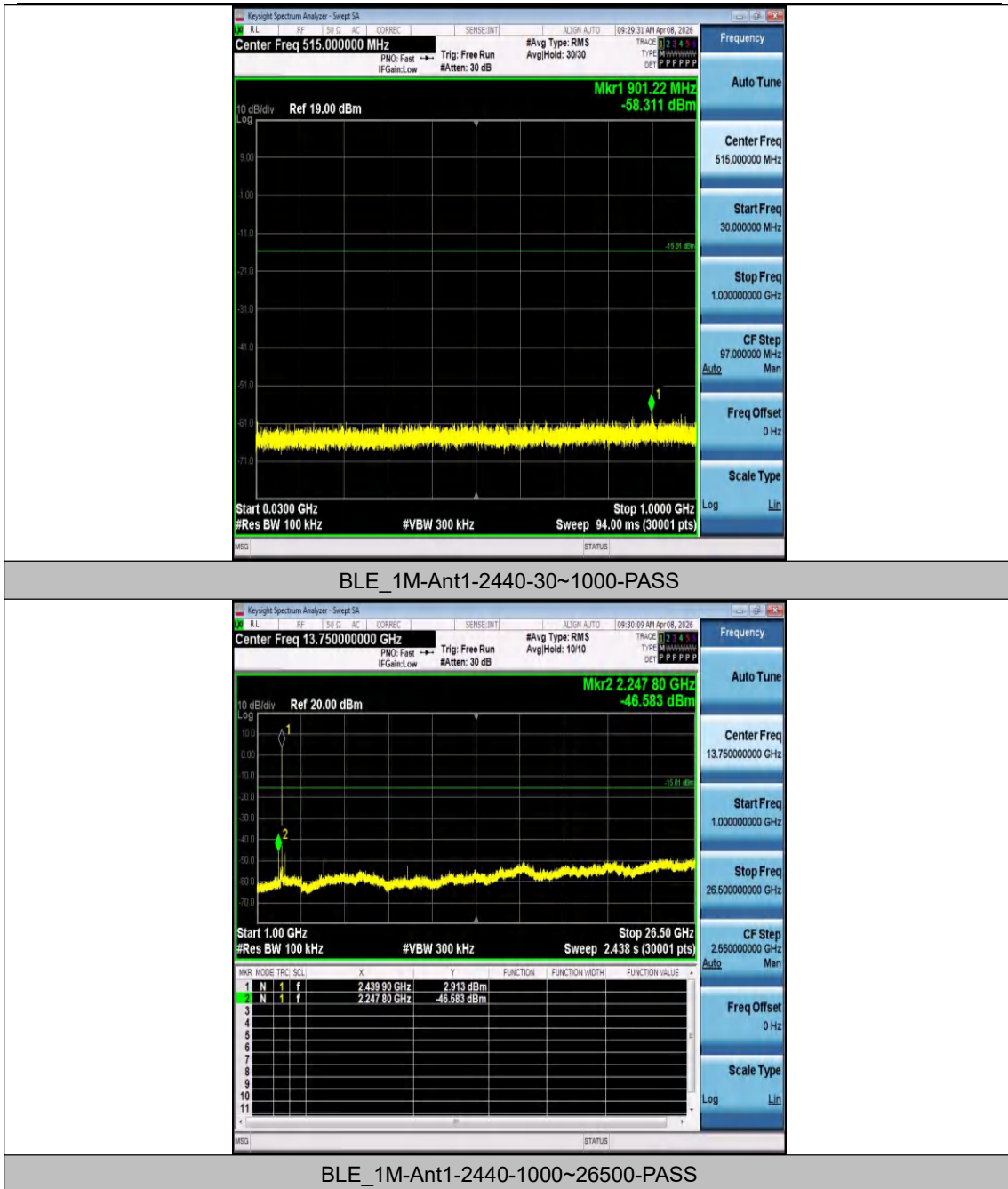
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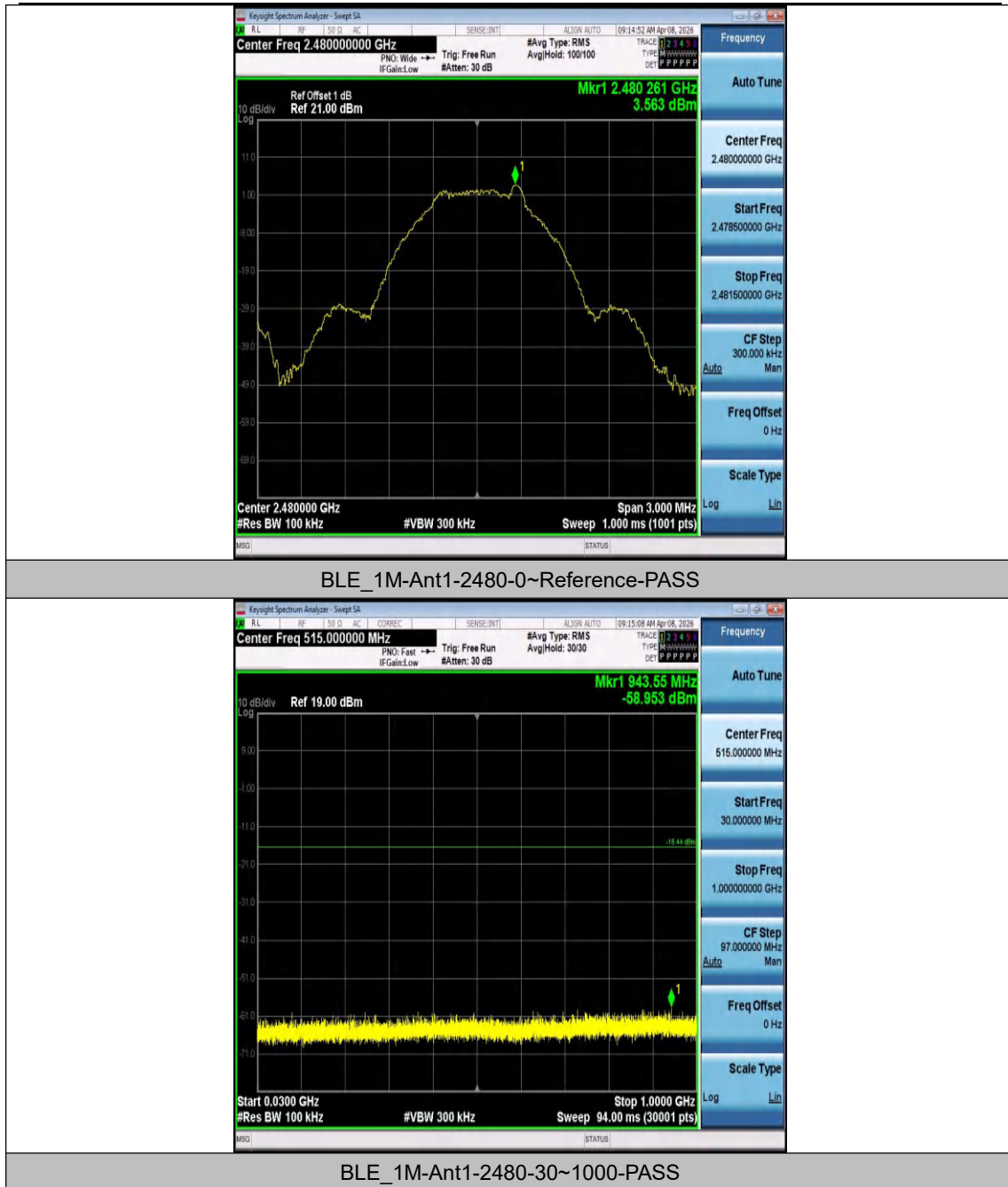
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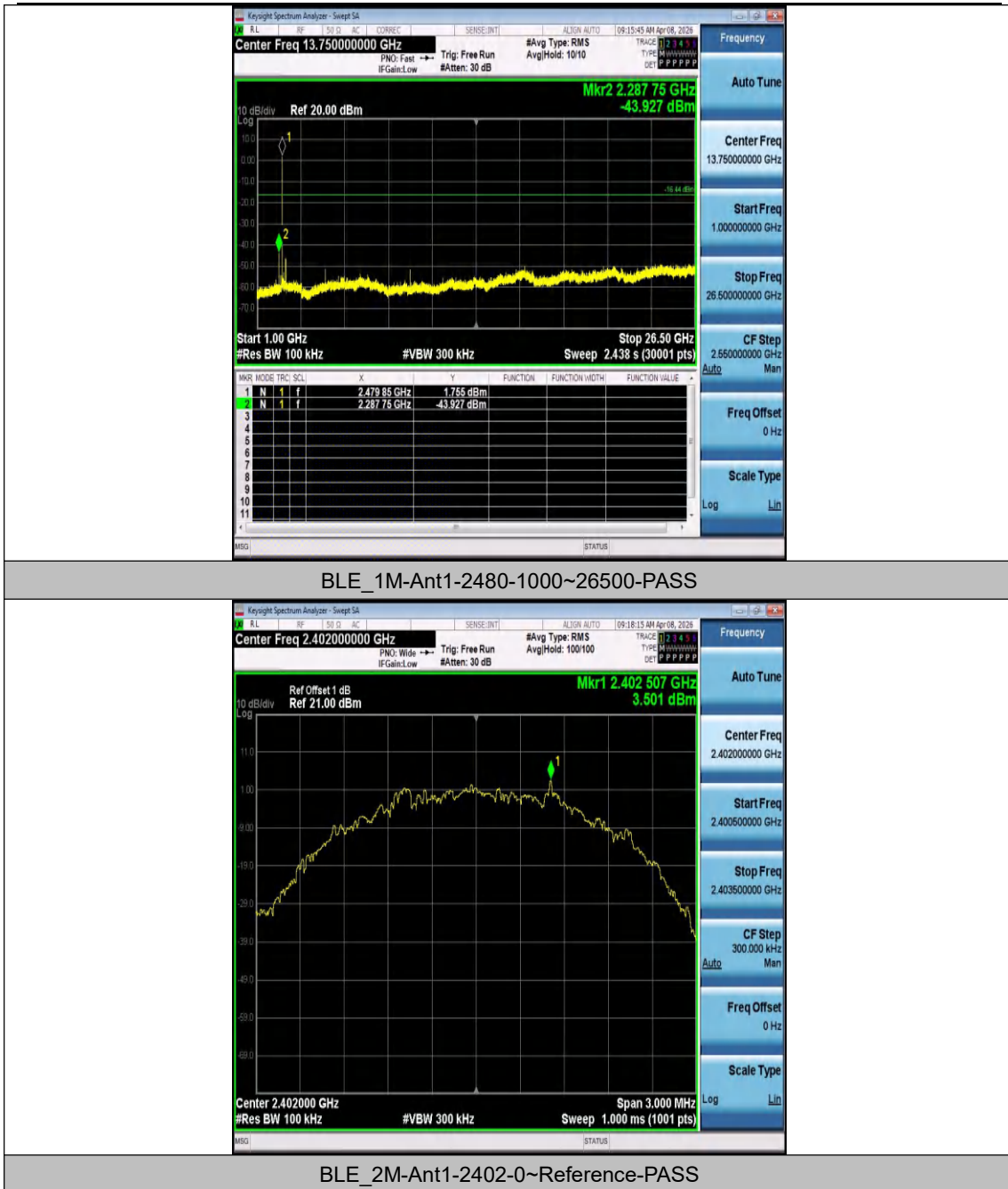
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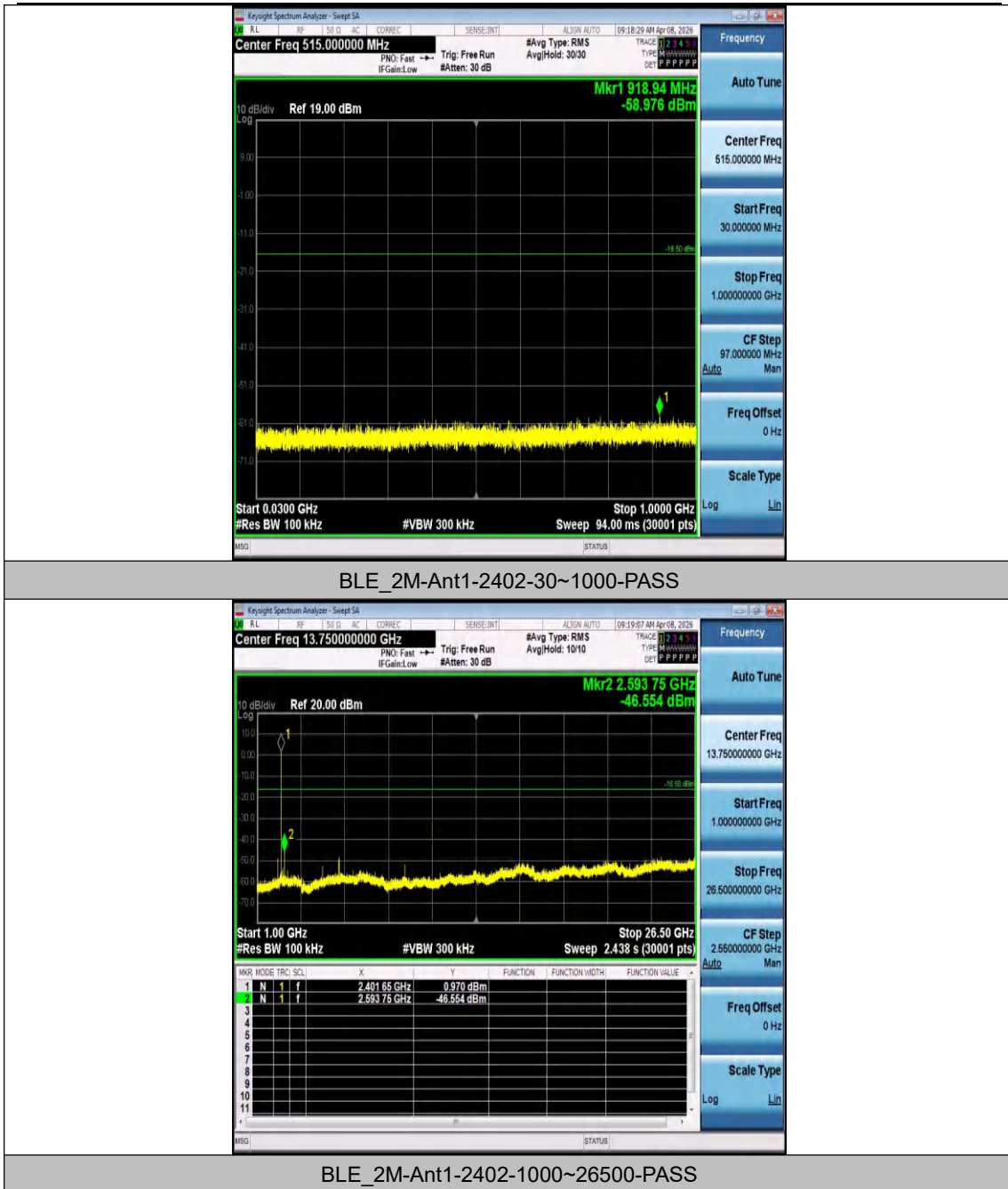
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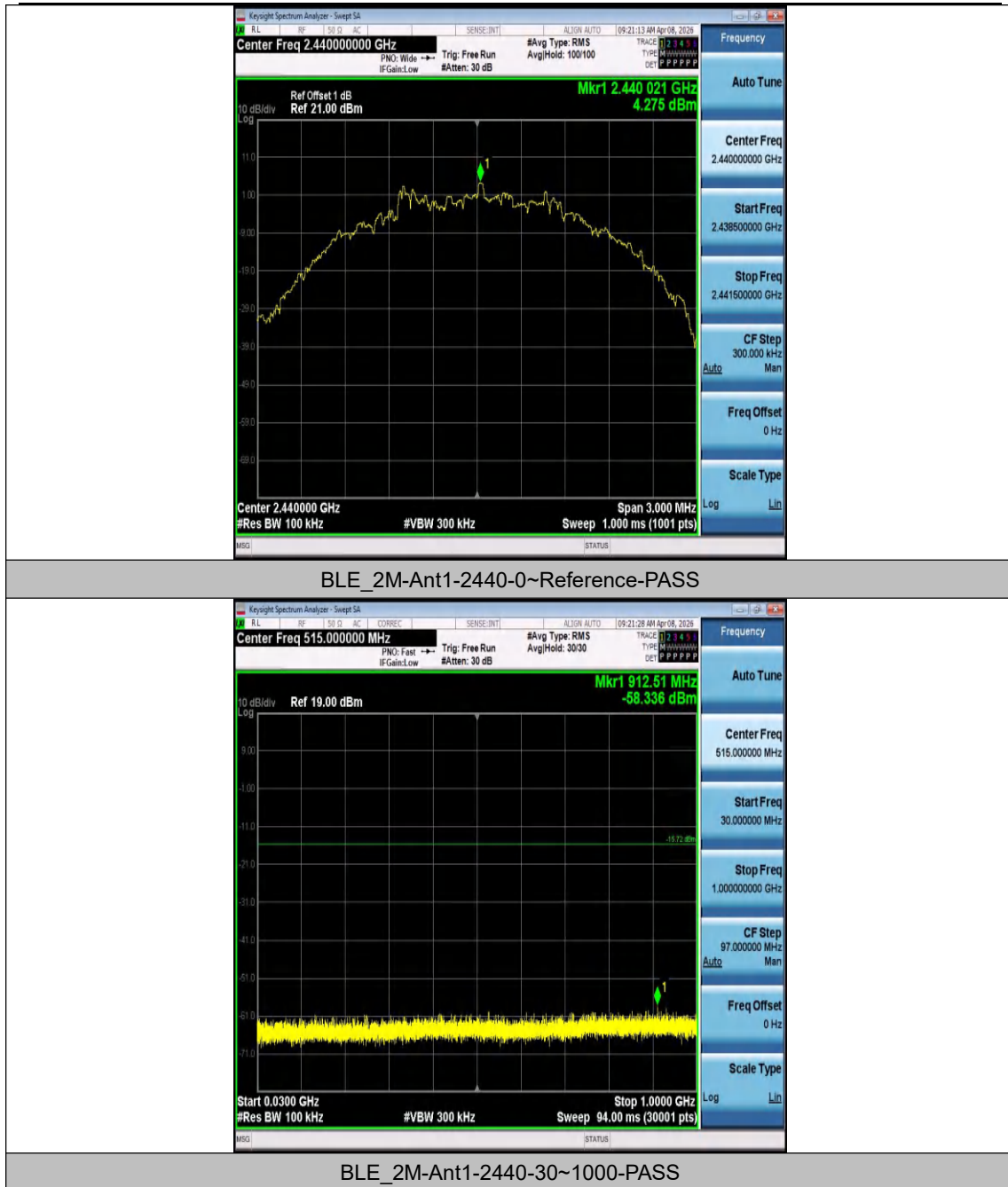
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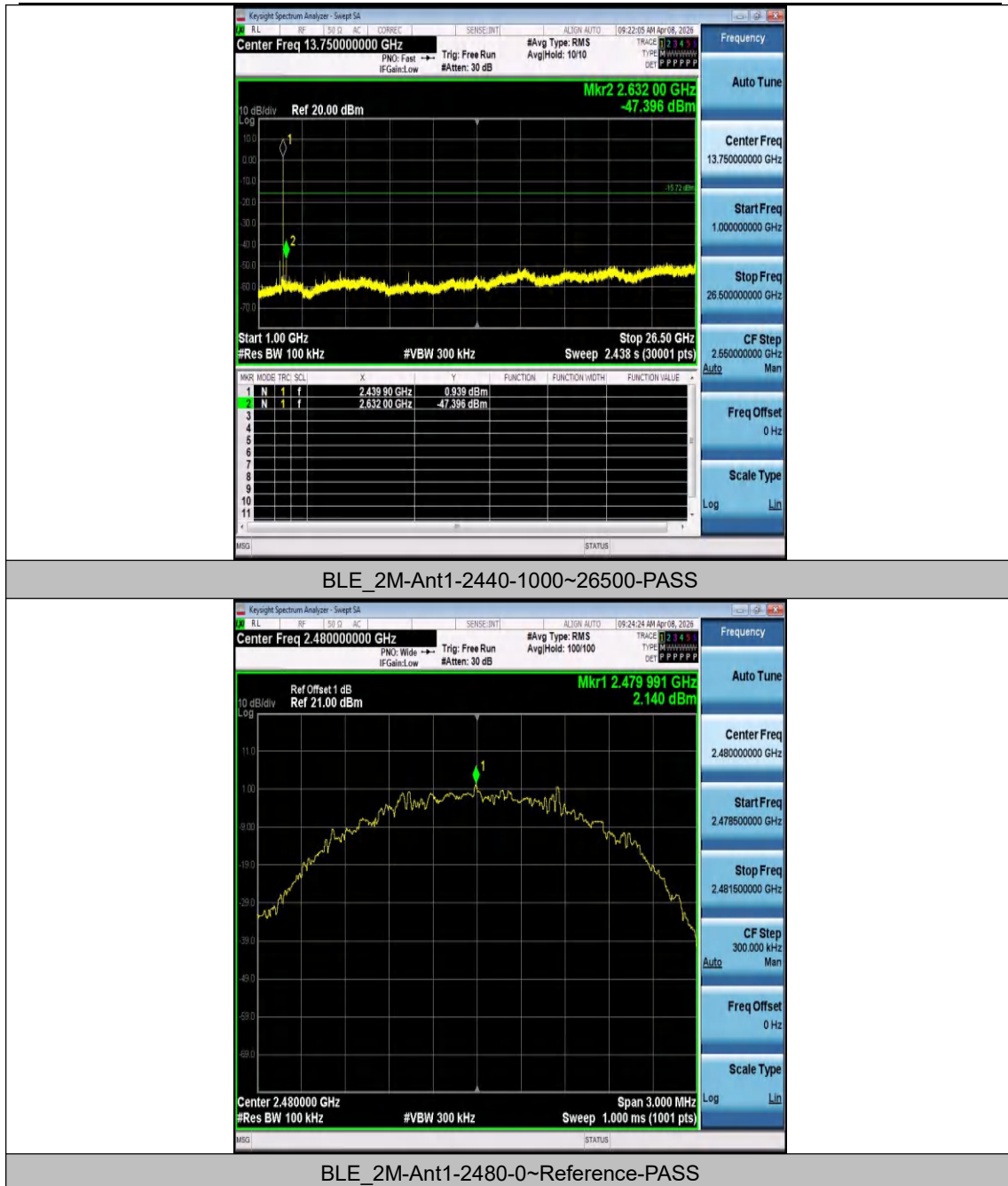
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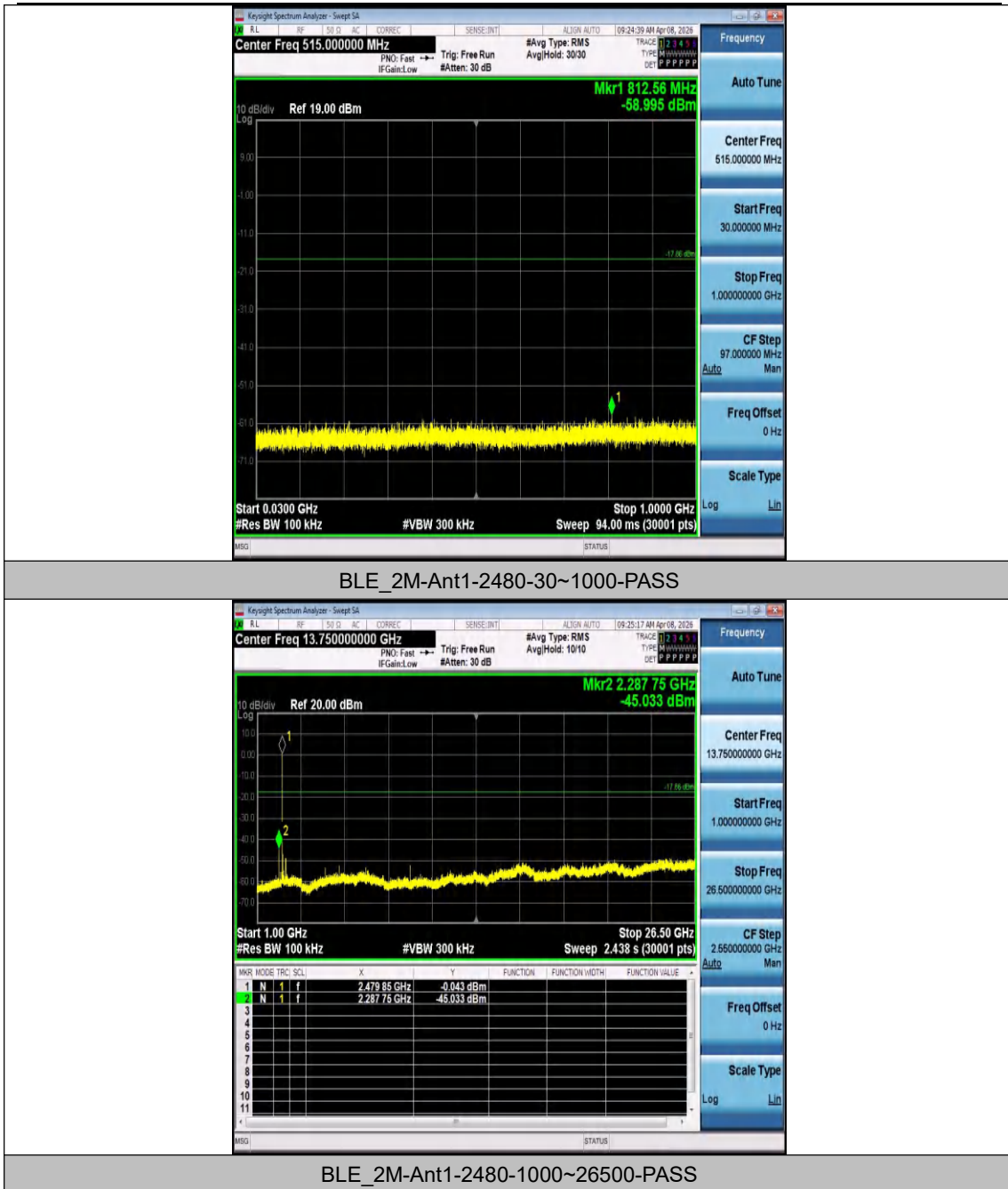
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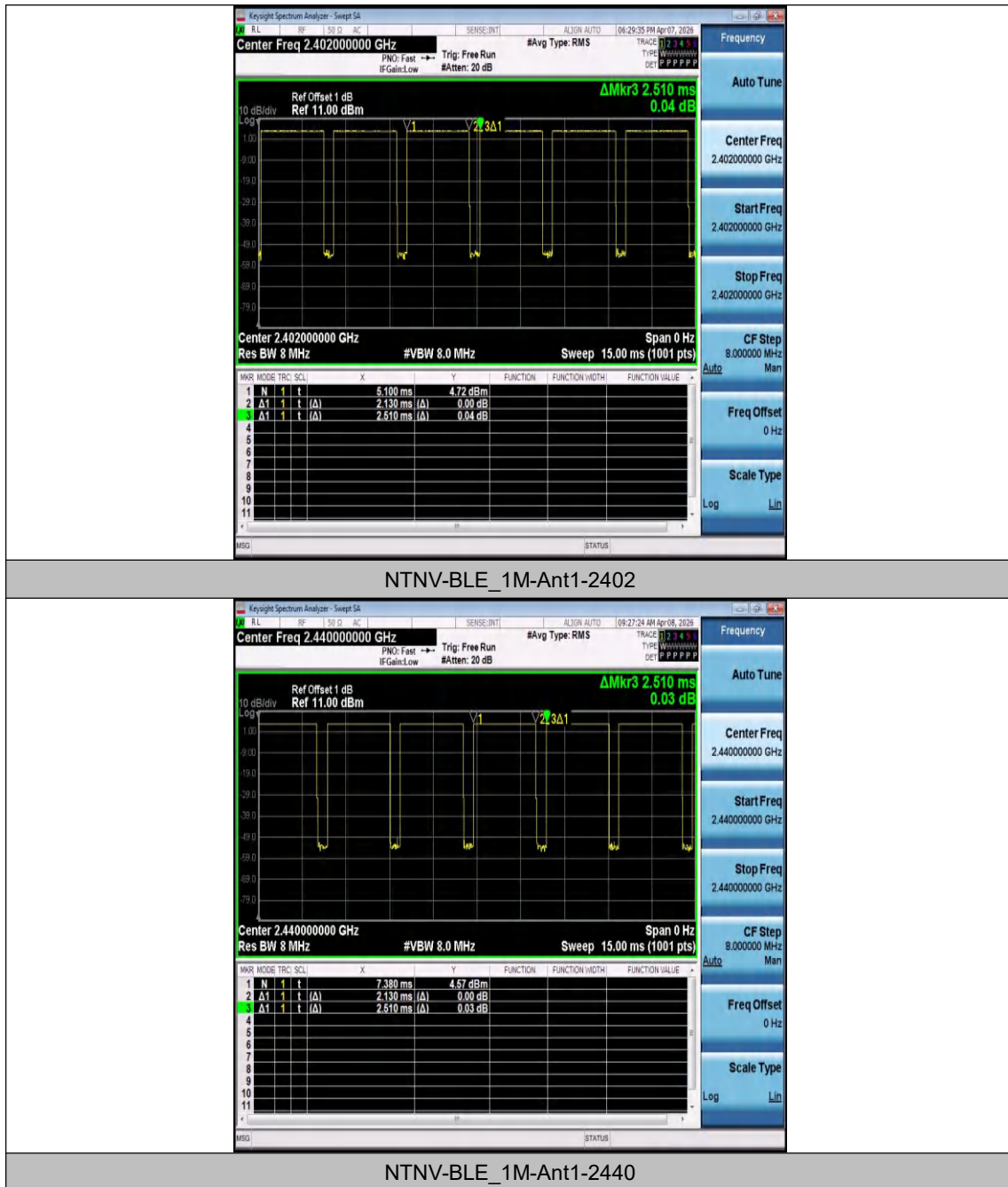
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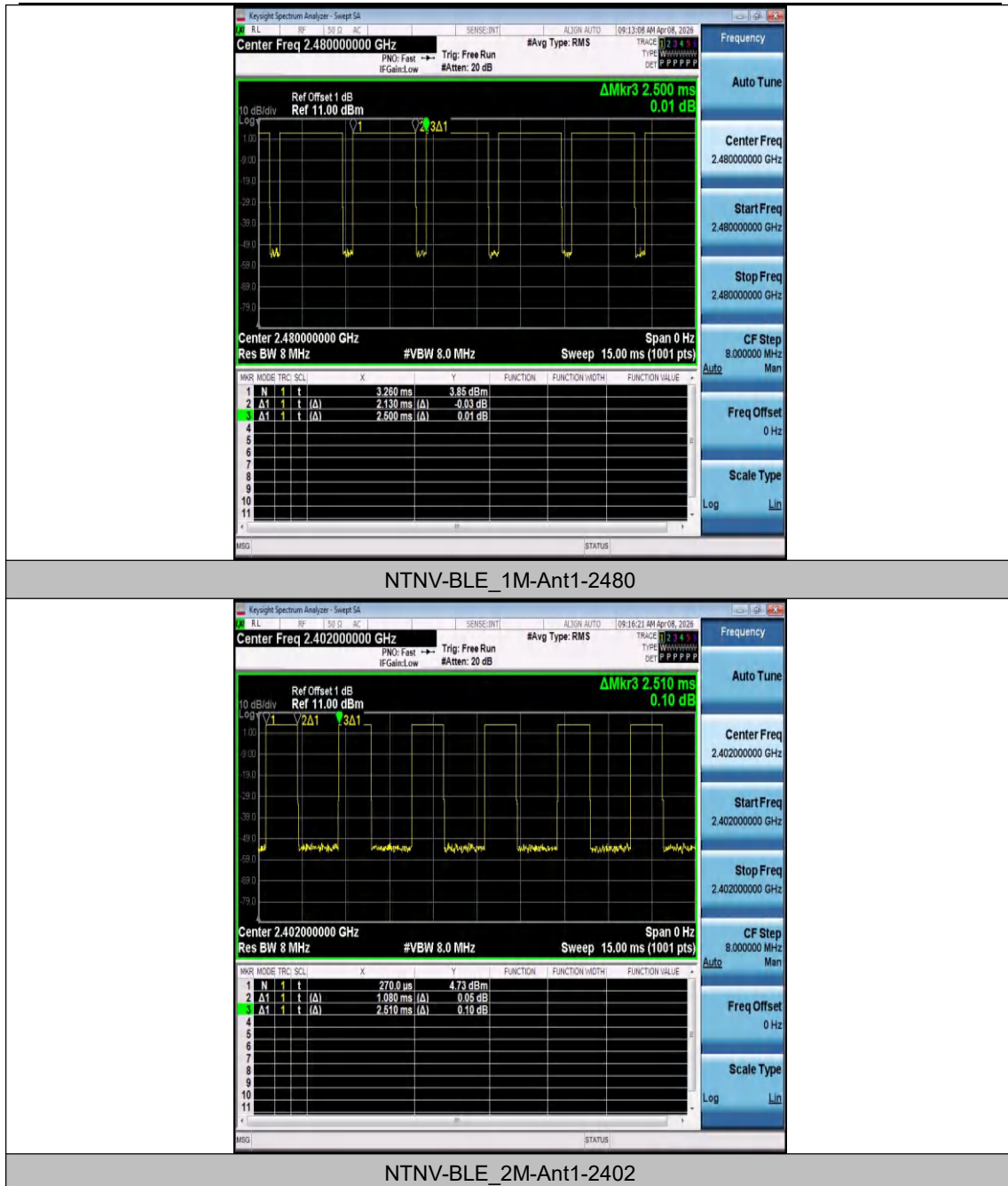
Appendix G: Duty Cycle

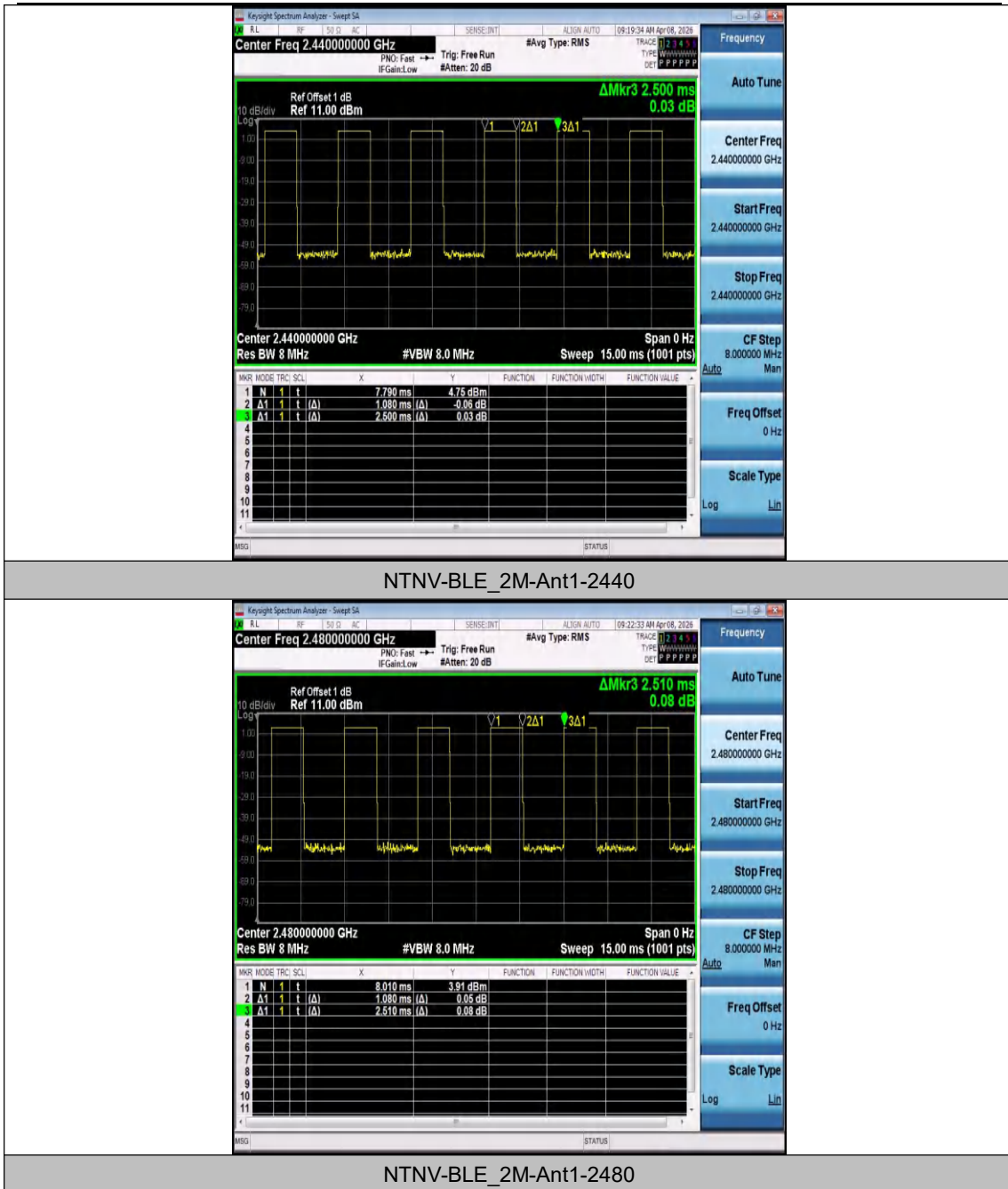
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2440	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2480	1.08	2.51	43.03	3.66

Test Graphs







---End---