

Appendix Test Data

Report No.:	1812C60139912502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-3-12	Finish Test Date:	2026-3-20
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23.1℃	Relative Humidity:	68%
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	2401.636	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.640	2439.672	2440.312	0.5	PASS
BLE_1M	Ant1	2480	0.648	2479.668	2480.316	0.5	PASS
BLE_2M	Ant1	2402	1.264	2401.332	2402.596	0.5	PASS
BLE_2M	Ant1	2440	1.240	2439.348	2440.588	0.5	PASS
BLE_2M	Ant1	2480	1.240	2479.332	2480.572	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	1.0301	2401.4801	2402.5102	---	---
BLE_1M	Ant1	2440	1.0279	2439.4815	2440.5094	---	---
BLE_1M	Ant1	2480	1.0192	2479.4823	2480.5015	---	---
BLE_2M	Ant1	2402	2.0731	2400.9728	2403.0459	---	---
BLE_2M	Ant1	2440	2.0804	2438.9651	2441.0455	---	---
BLE_2M	Ant1	2480	2.0840	2478.9660	2481.0500	---	---

Test Graphs



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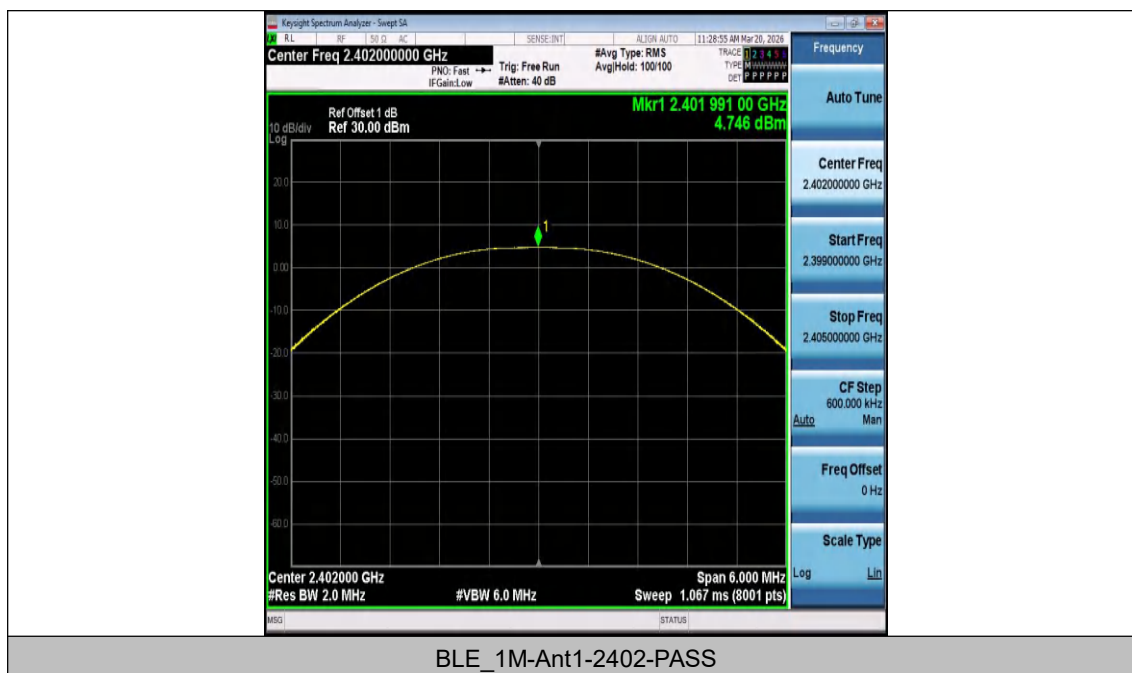
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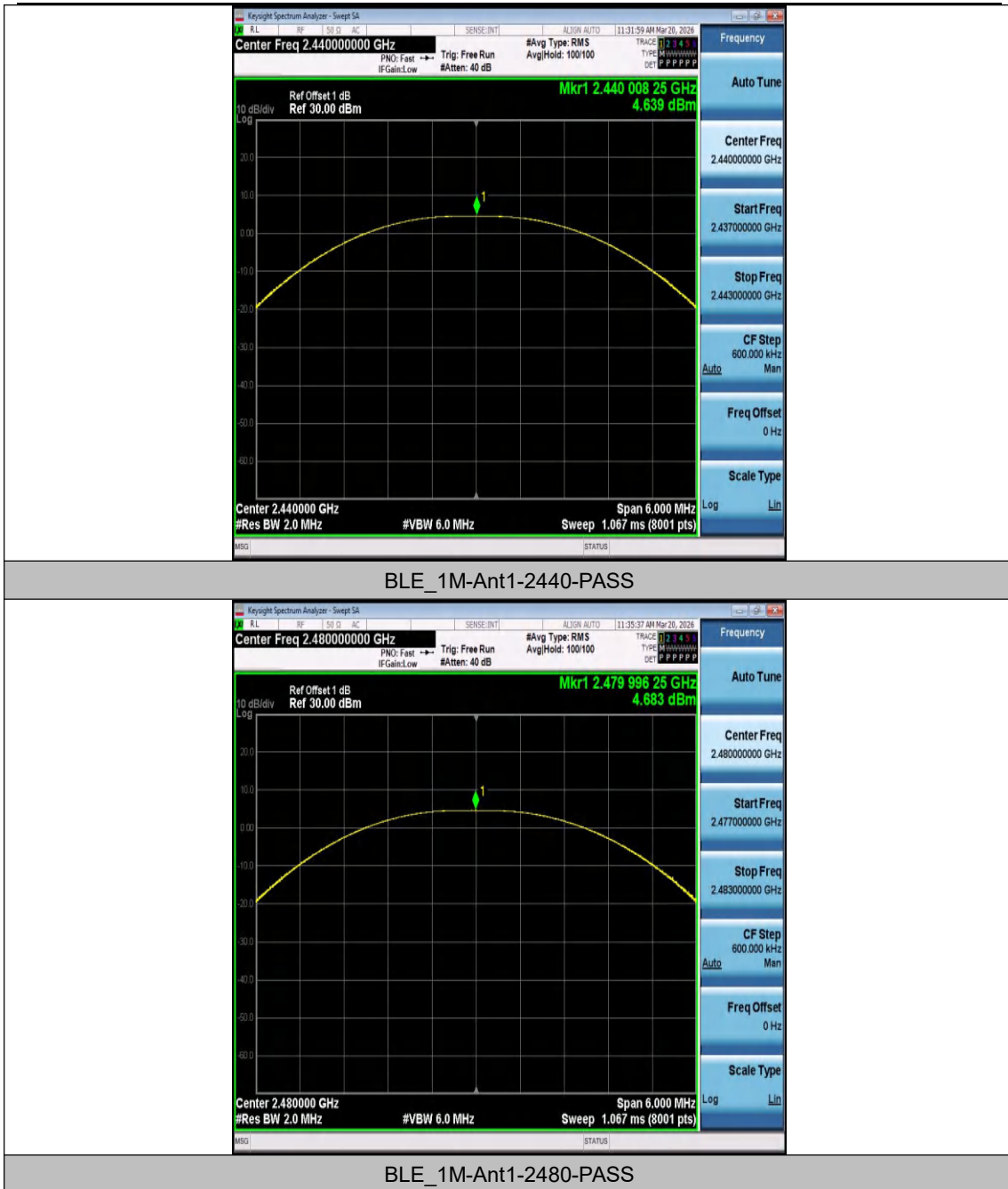
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.75	≤30	PASS
BLE_1M	Ant1	2440	4.64	≤30	PASS
BLE_1M	Ant1	2480	4.68	≤30	PASS
BLE_2M	Ant1	2402	4.69	≤30	PASS
BLE_2M	Ant1	2440	4.56	≤30	PASS
BLE_2M	Ant1	2480	4.59	≤30	PASS

Test Graphs Peak

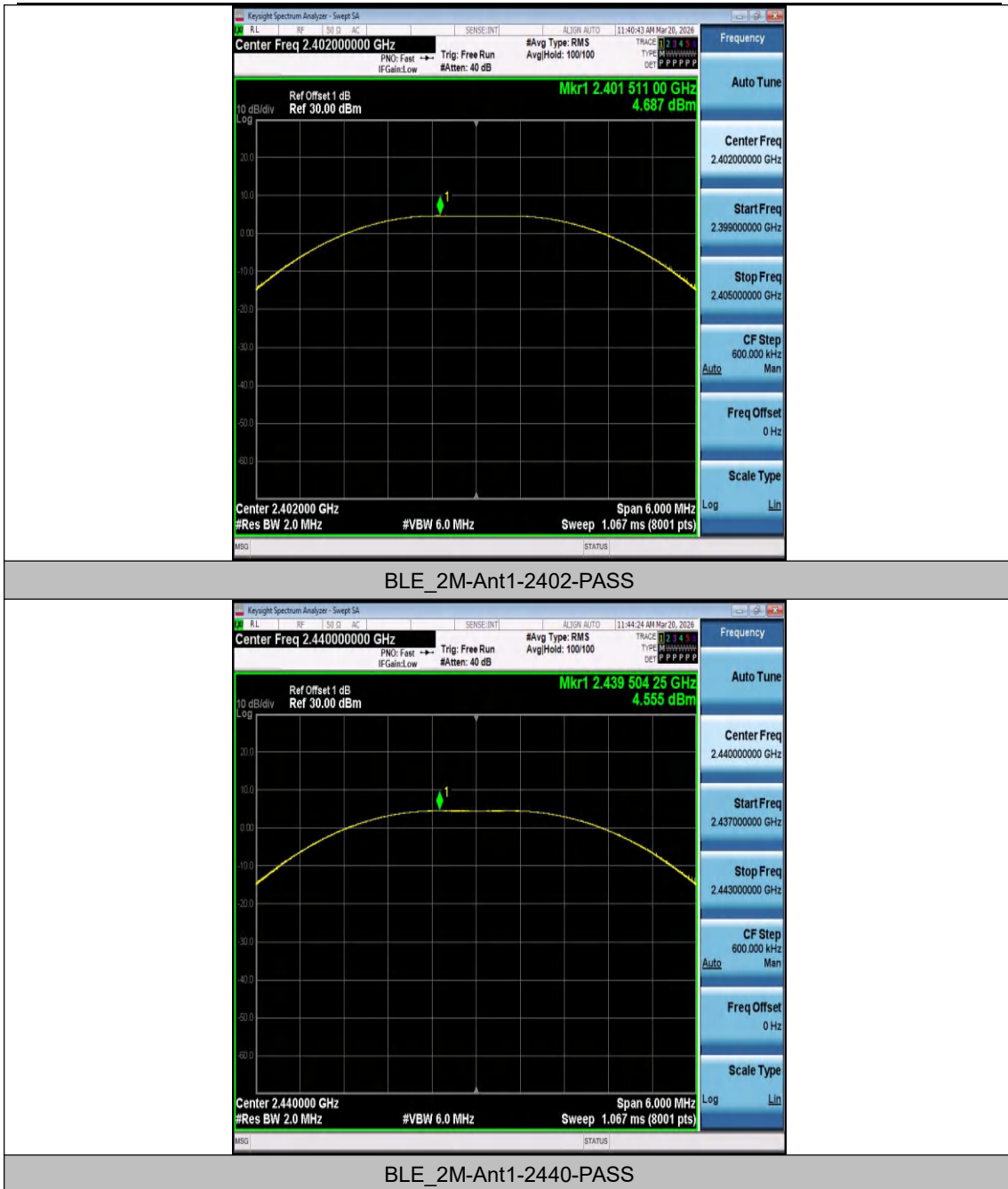




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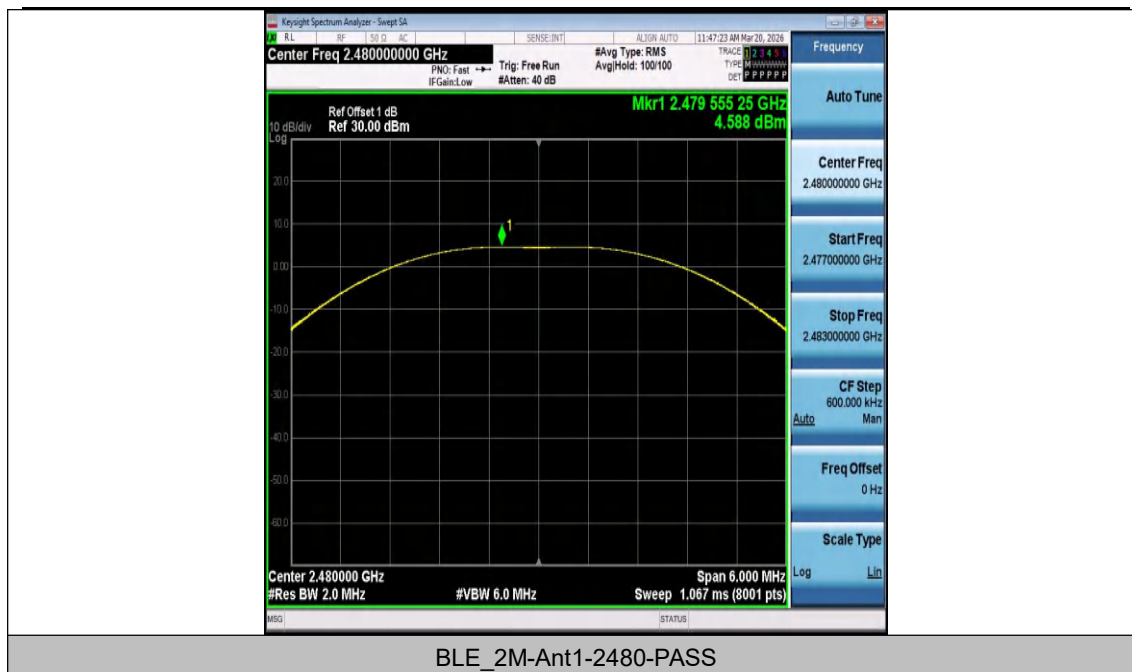
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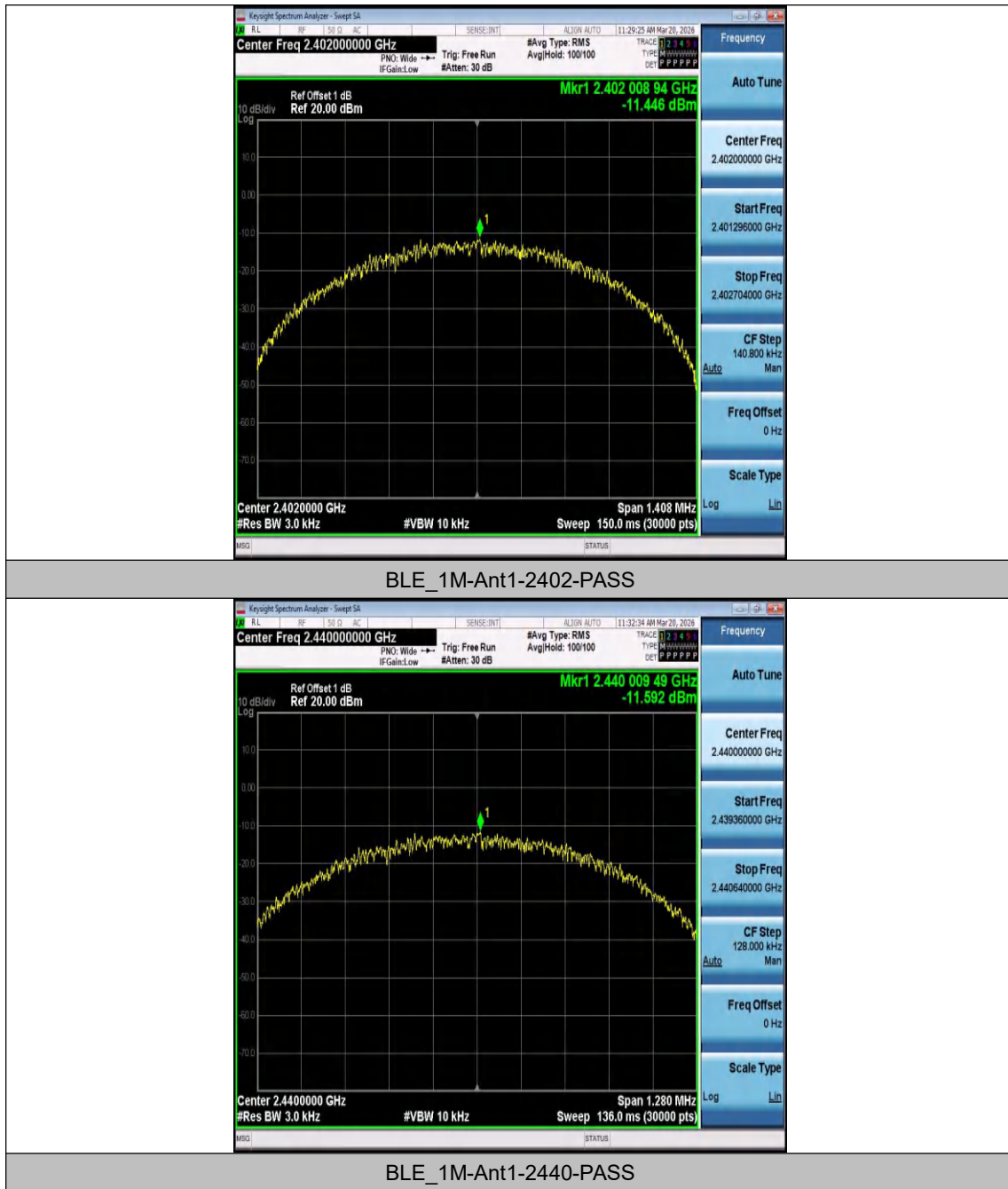
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.45	≤8.00	PASS
BLE_1M	Ant1	2440	-11.59	≤8.00	PASS
BLE_1M	Ant1	2480	-11.47	≤8.00	PASS
BLE_2M	Ant1	2402	-14.65	≤8.00	PASS
BLE_2M	Ant1	2440	-14.76	≤8.00	PASS
BLE_2M	Ant1	2480	-14.79	≤8.00	PASS

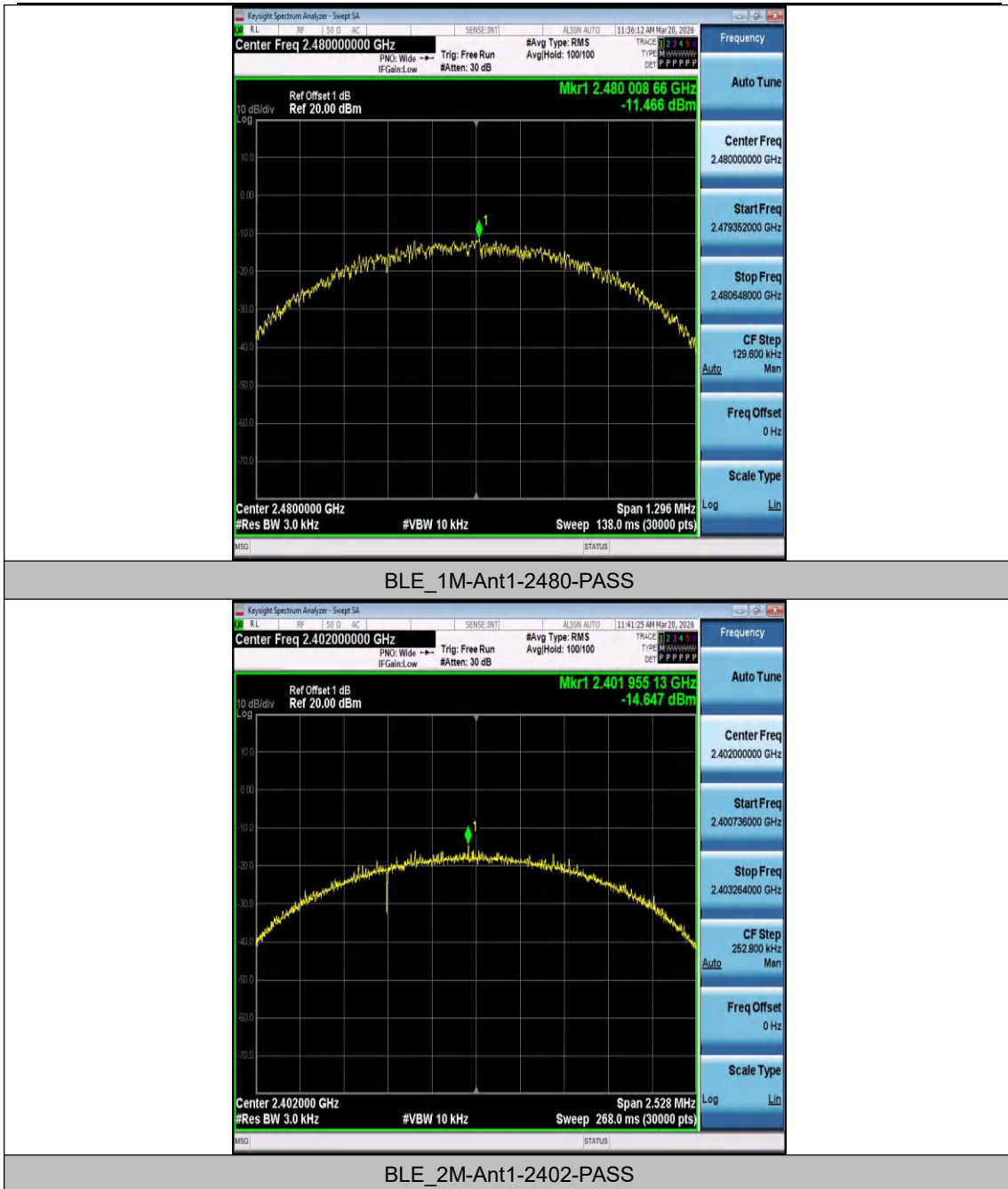
Test Graphs



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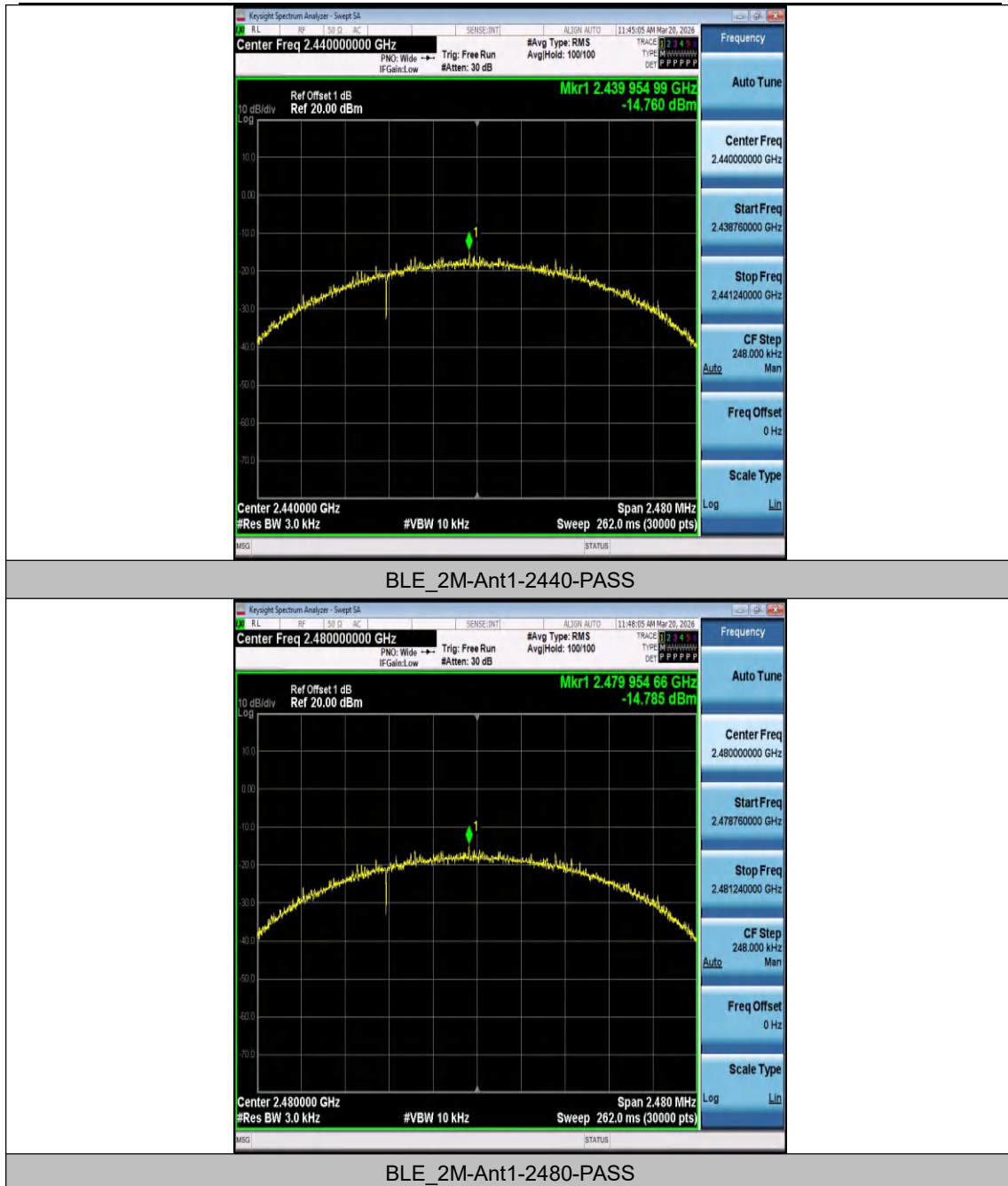
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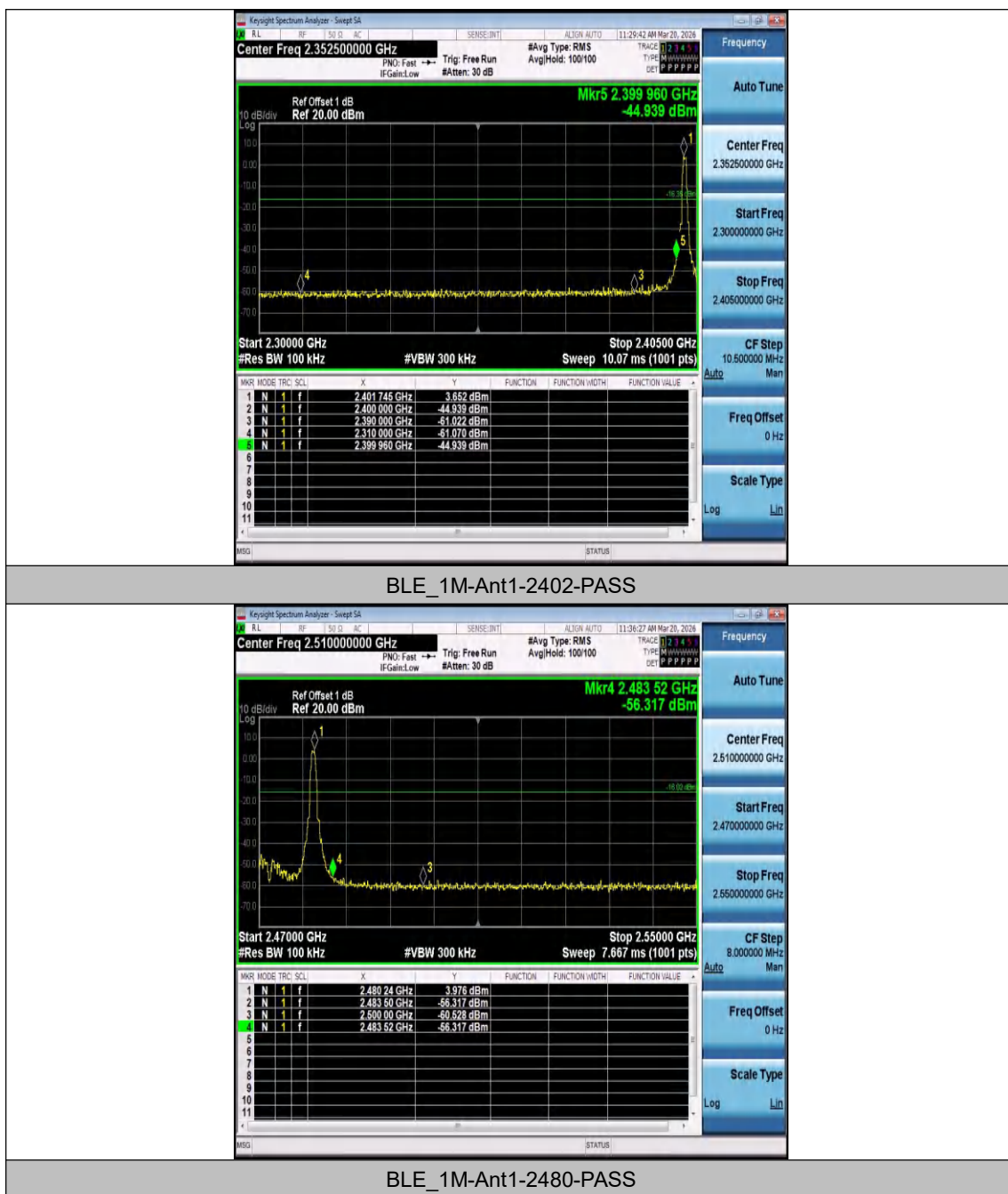
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.65	-44.94	≤-16.35	PASS
BLE_1M	Ant1	High	2480	3.98	-56.32	≤-16.02	PASS
BLE_2M	Ant1	Low	2402	2.88	-28.48	≤-17.12	PASS
BLE_2M	Ant1	High	2480	2.78	-54.65	≤-17.22	PASS

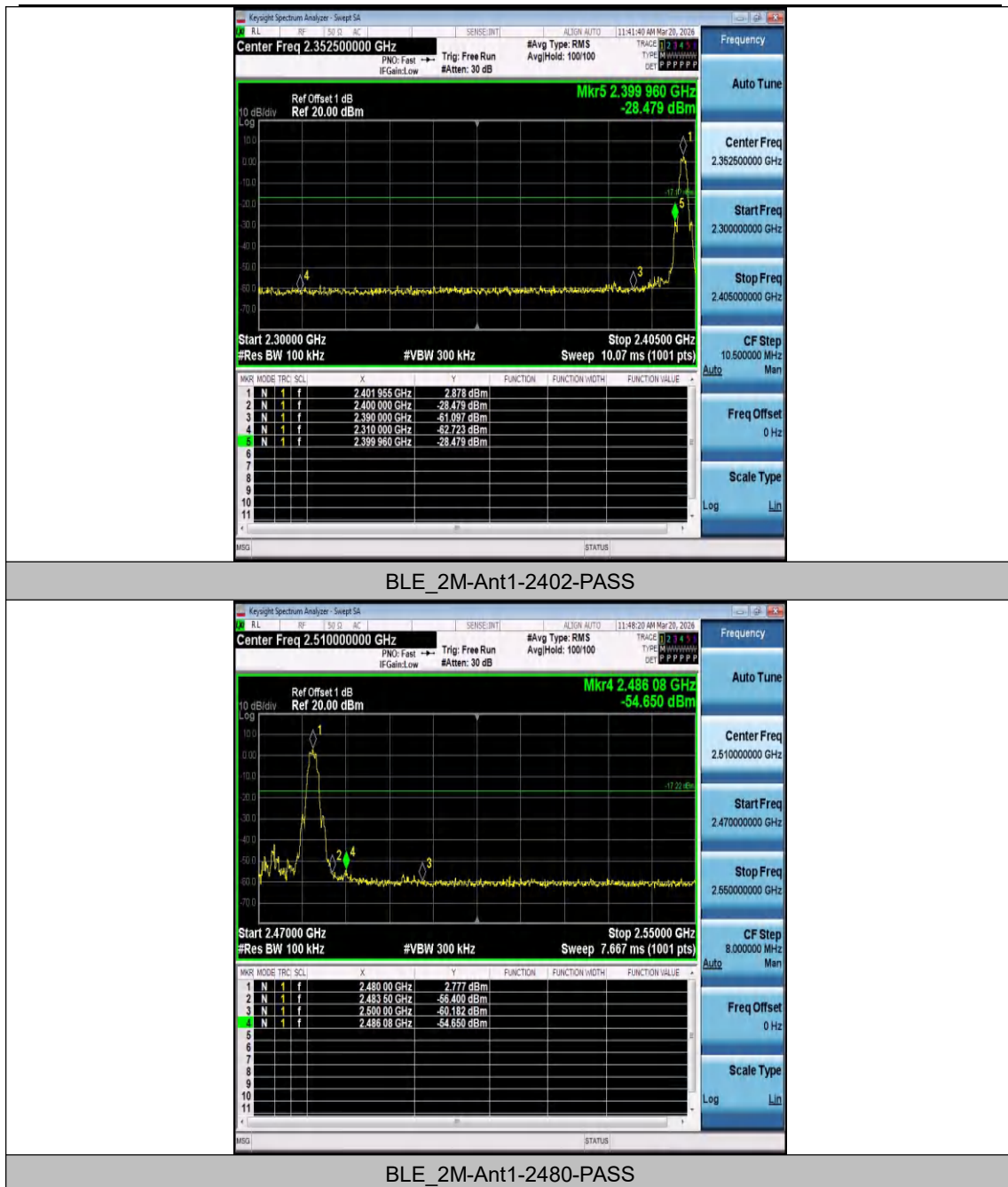
Test Graphs



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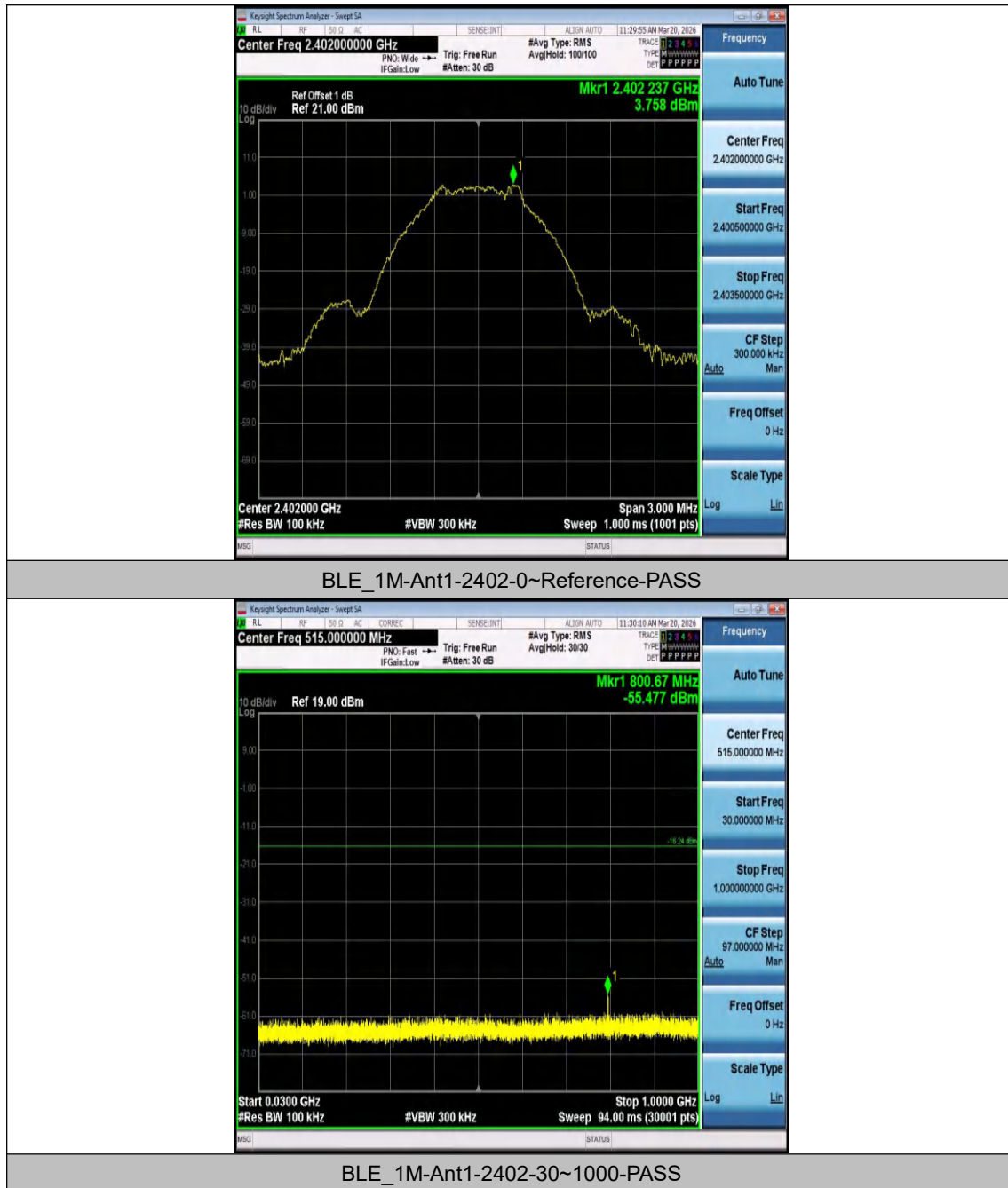
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.76	3.76	---	PASS
BLE_1M	Ant1	2402	30~1000	3.76	-55.48	≤-16.24	PASS
BLE_1M	Ant1	2402	1000~26500	3.76	-42.39	≤-16.24	PASS
BLE_1M	Ant1	2440	0~Reference	3.59	3.59	---	PASS
BLE_1M	Ant1	2440	30~1000	3.59	-56.41	≤-16.41	PASS
BLE_1M	Ant1	2440	1000~26500	3.59	-43.92	≤-16.41	PASS
BLE_1M	Ant1	2480	0~Reference	4.27	4.27	---	PASS
BLE_1M	Ant1	2480	30~1000	4.27	-57.15	≤-15.73	PASS
BLE_1M	Ant1	2480	1000~26500	4.27	-43.13	≤-15.73	PASS
BLE_2M	Ant1	2402	0~Reference	3.47	3.47	---	PASS
BLE_2M	Ant1	2402	30~1000	3.47	-57.01	≤-16.53	PASS
BLE_2M	Ant1	2402	1000~26500	3.47	-46.47	≤-16.53	PASS
BLE_2M	Ant1	2440	0~Reference	2.78	2.78	---	PASS
BLE_2M	Ant1	2440	30~1000	2.78	-56.33	≤-17.22	PASS
BLE_2M	Ant1	2440	1000~26500	2.78	-44.97	≤-17.22	PASS
BLE_2M	Ant1	2480	0~Reference	3.29	3.29	---	PASS
BLE_2M	Ant1	2480	30~1000	3.29	-56.51	≤-16.71	PASS
BLE_2M	Ant1	2480	1000~26500	3.29	-45.93	≤-16.71	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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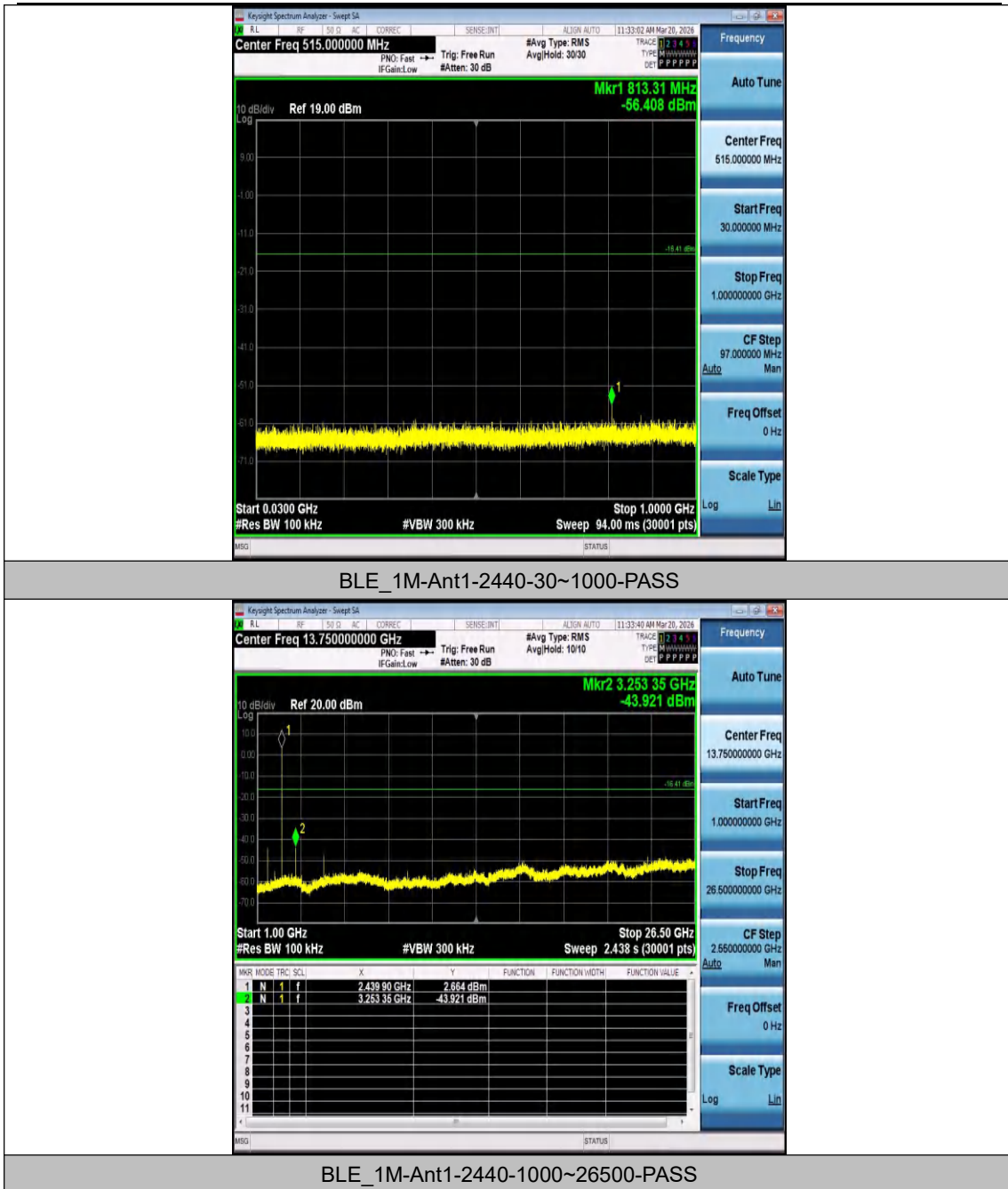
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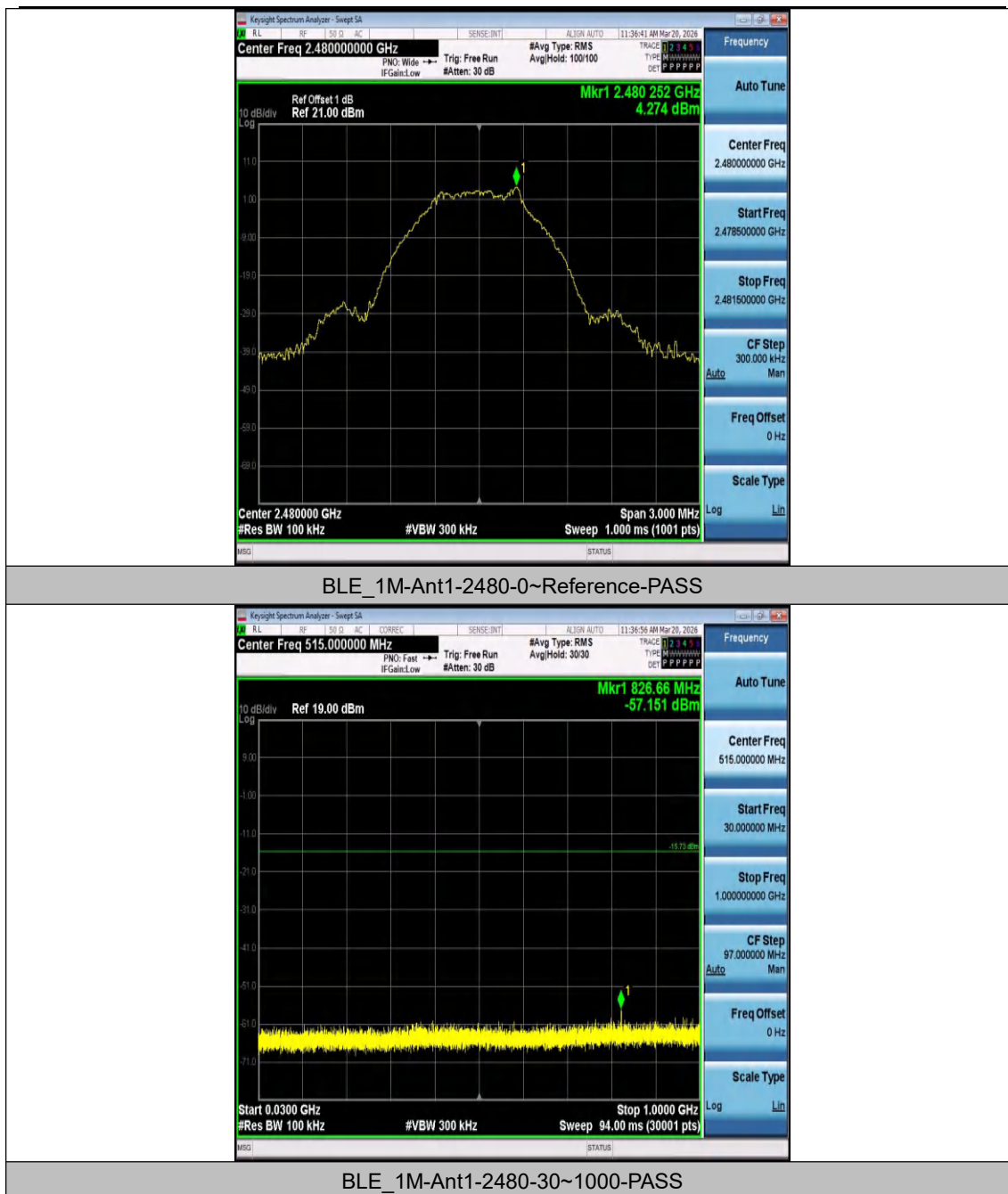
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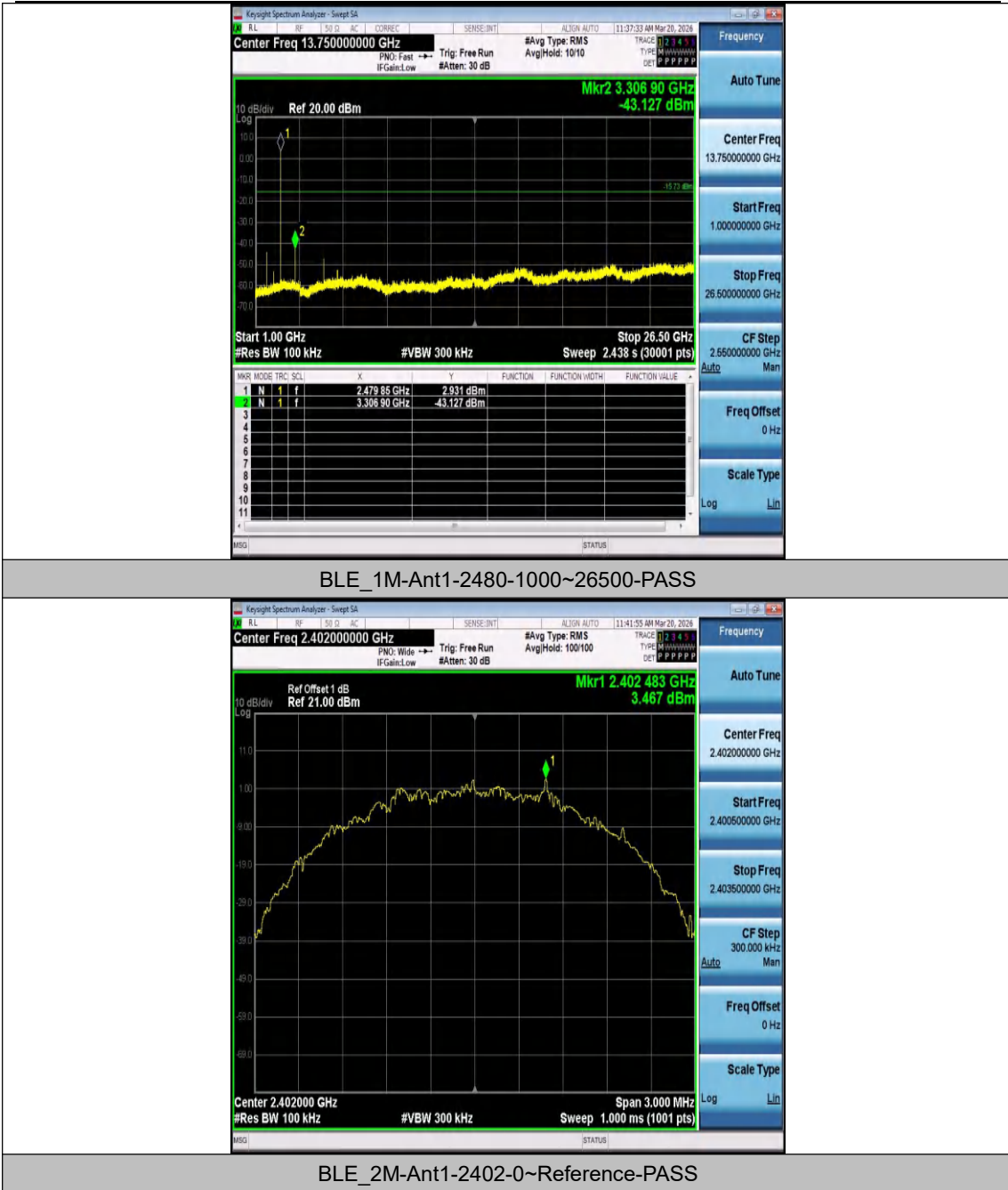
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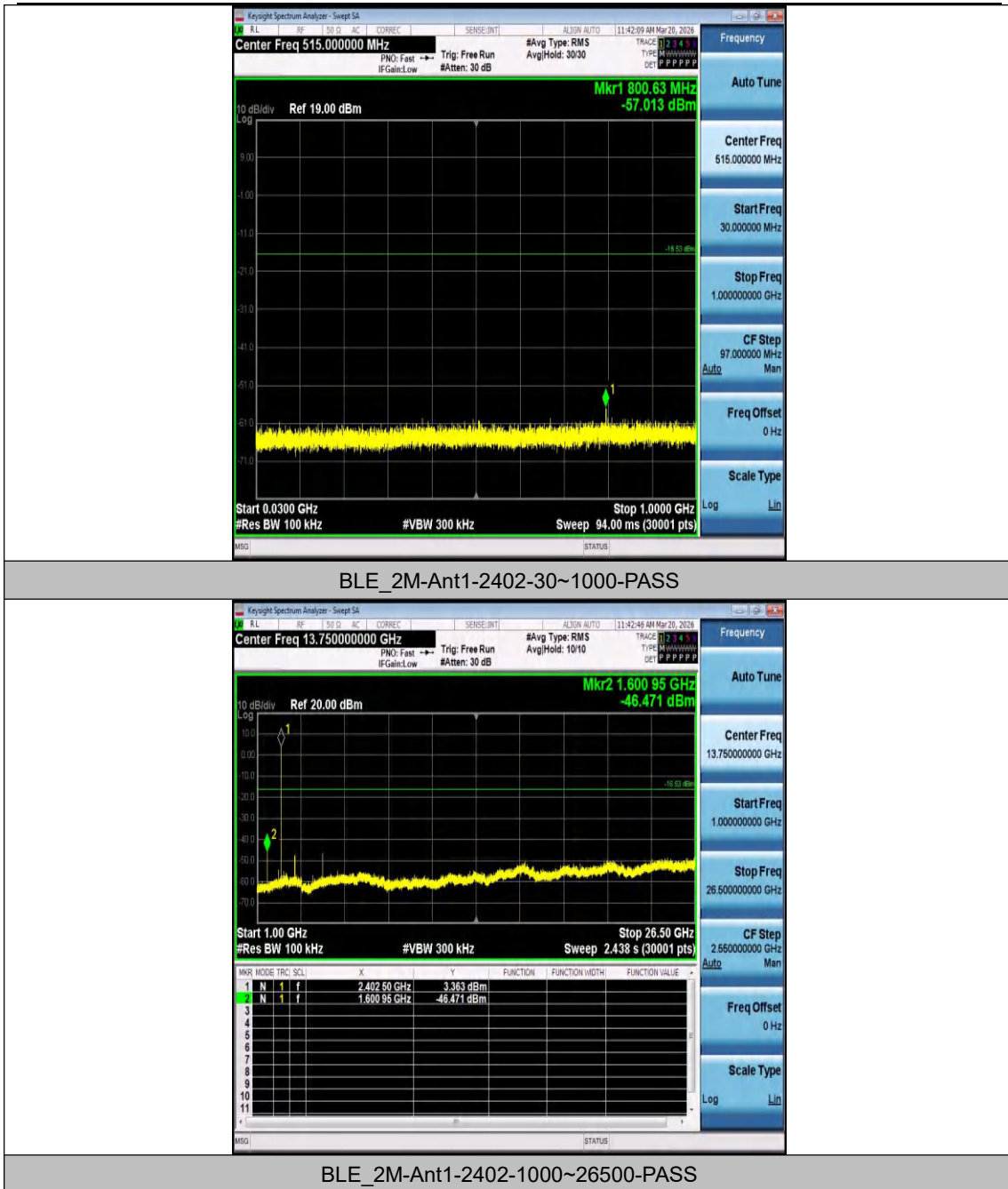
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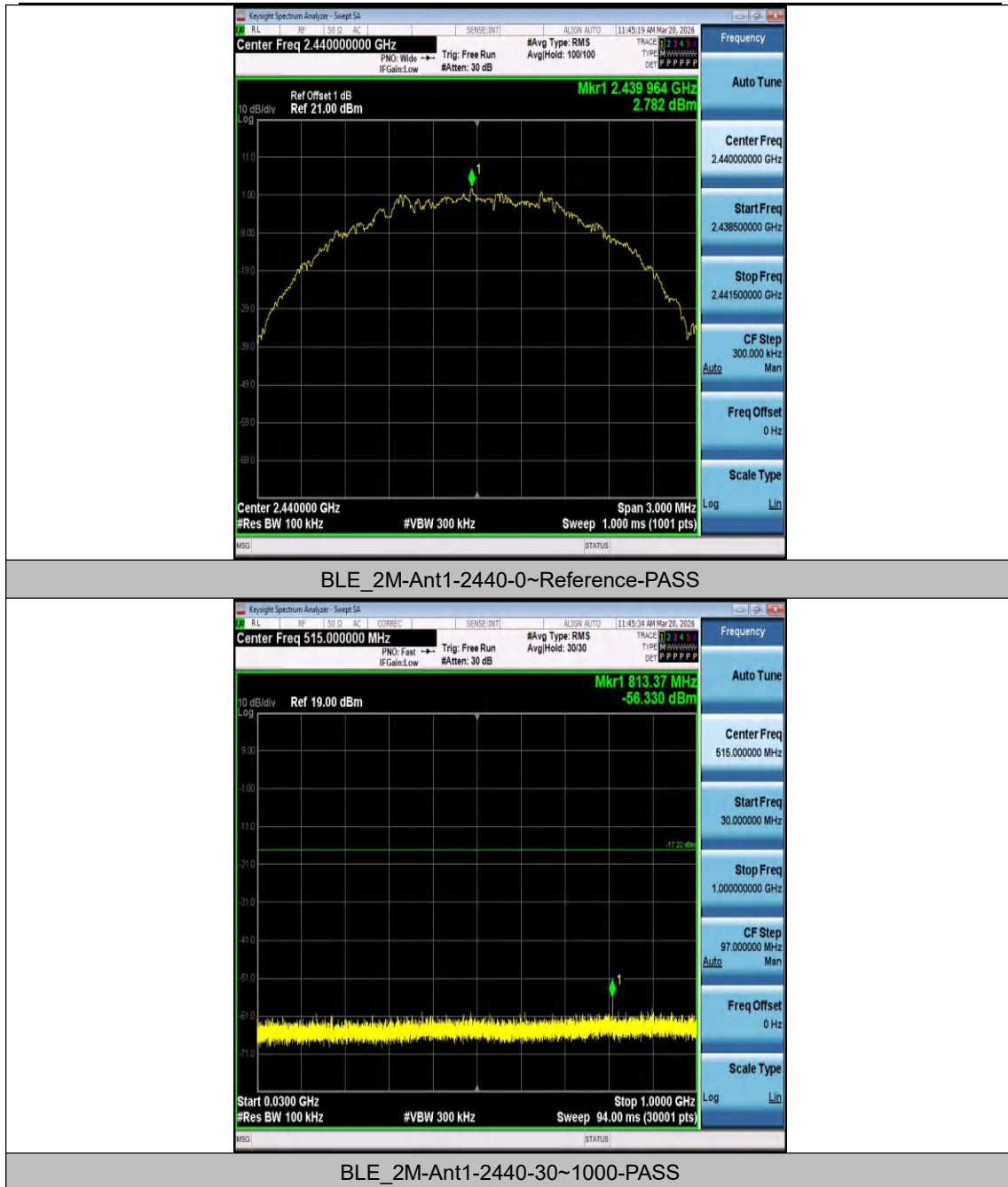
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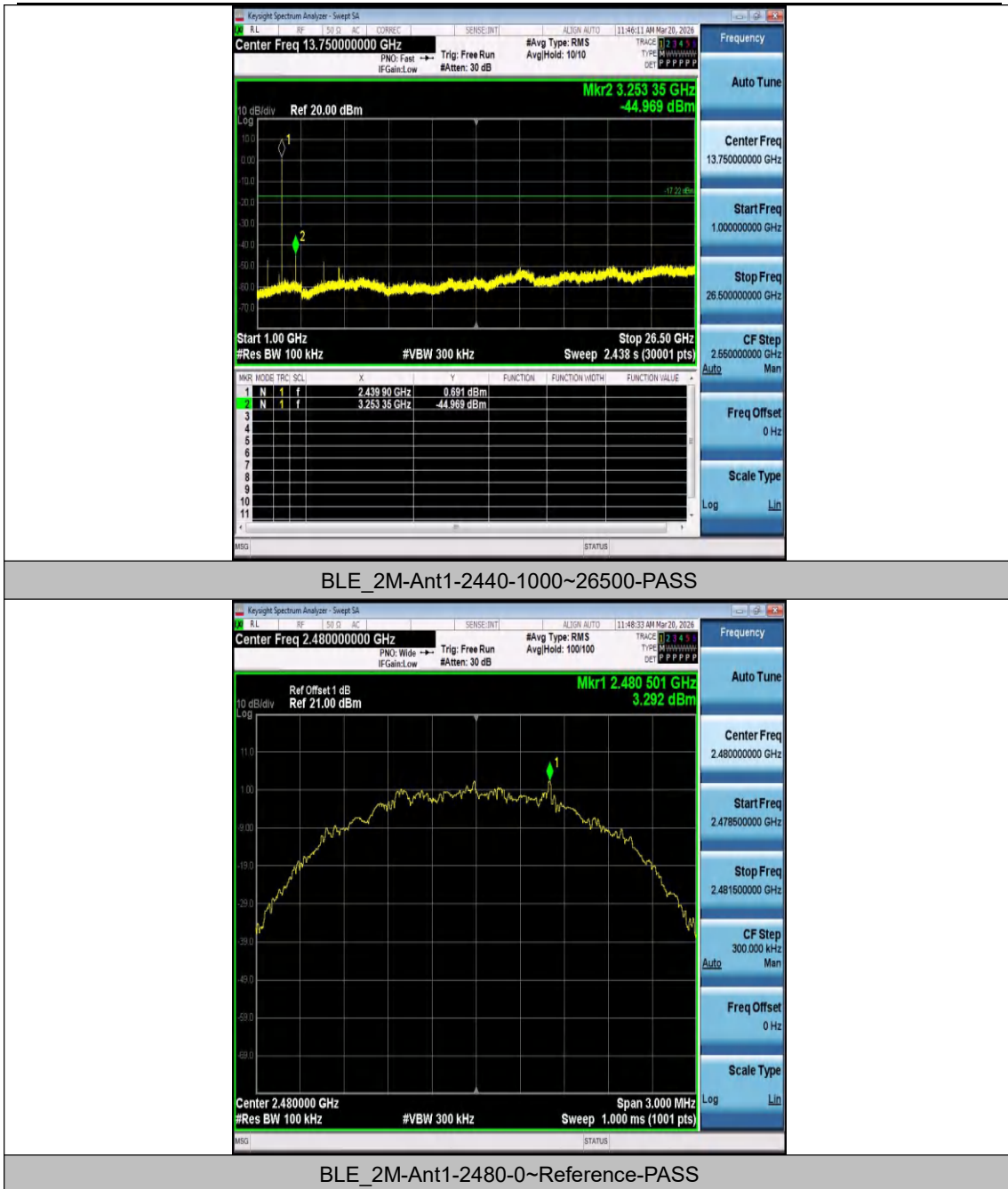
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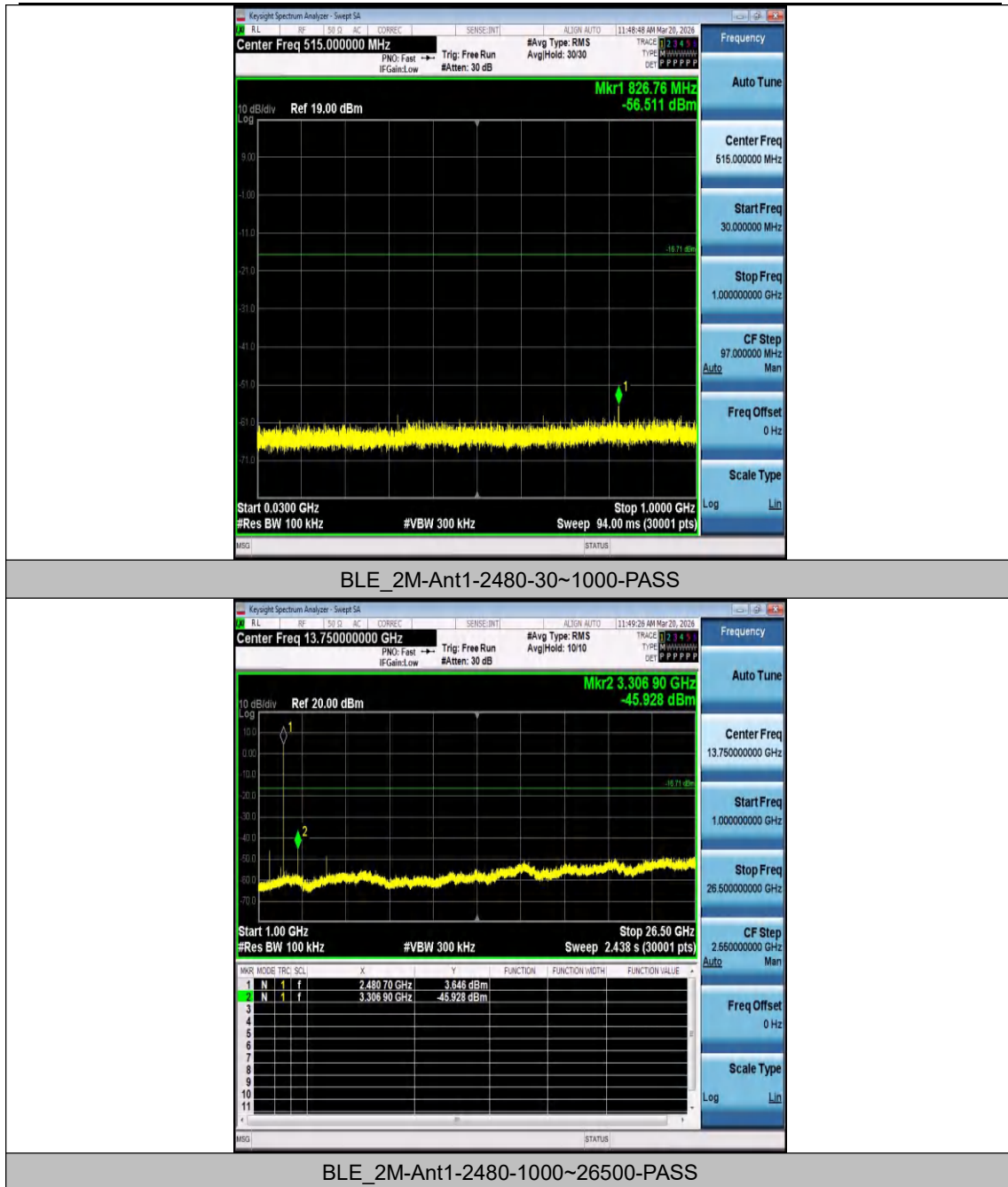
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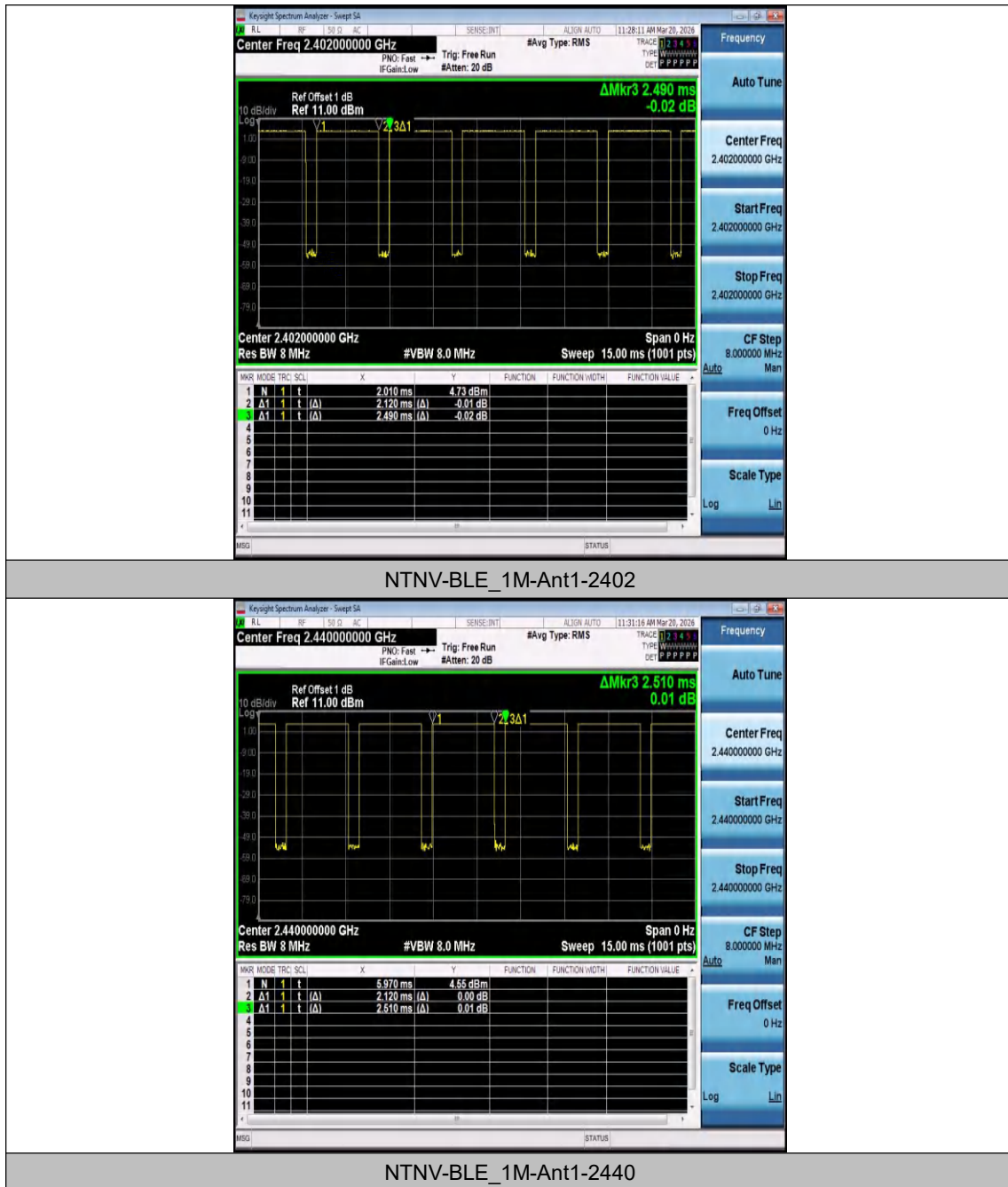
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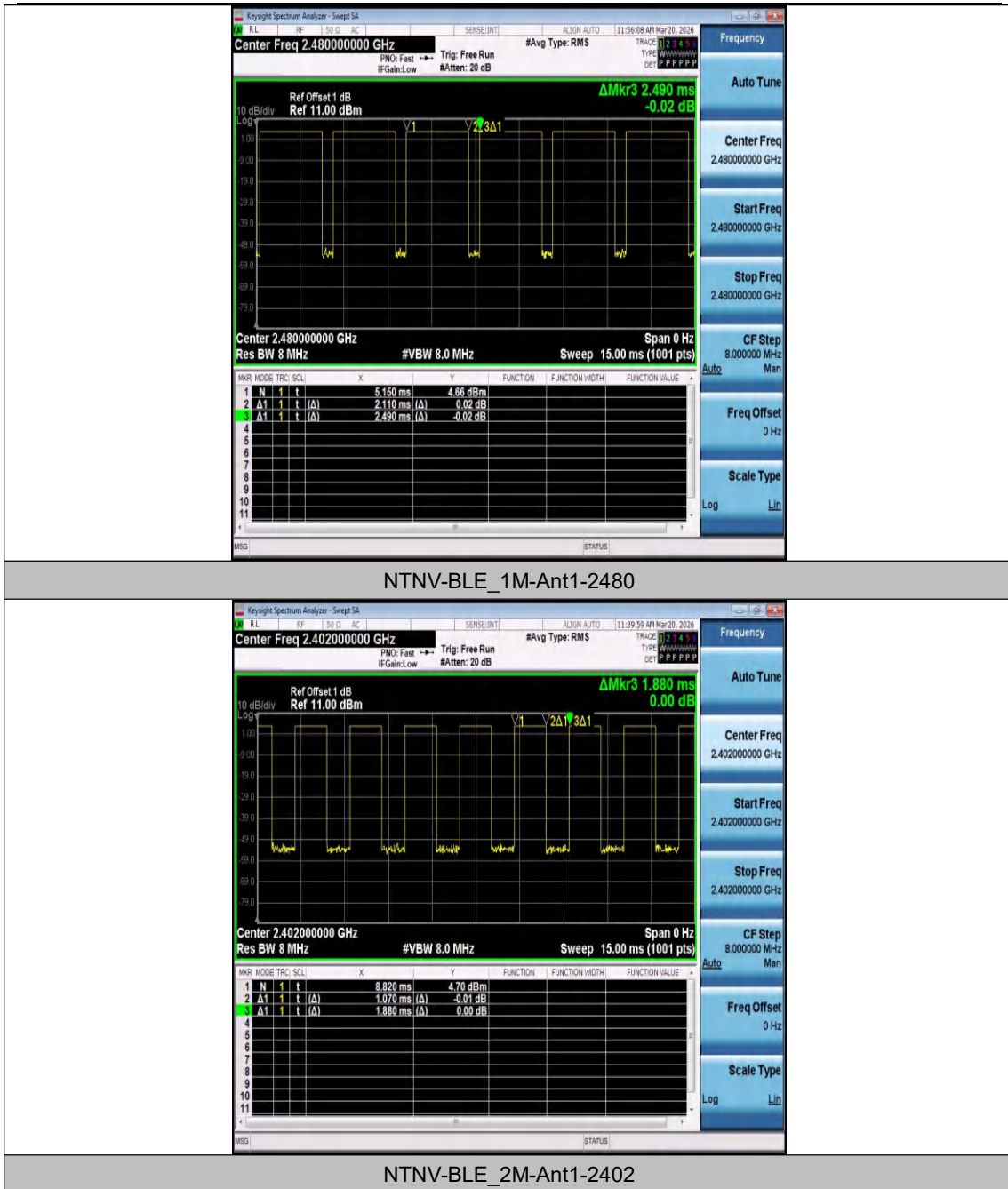
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2440	2.12	2.51	84.46	0.73
BLE_1M	Ant1	2480	2.11	2.49	84.74	0.72
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2440	1.08	1.87	57.75	2.38
BLE_2M	Ant1	2480	1.06	1.87	56.68	2.47

Test Graphs

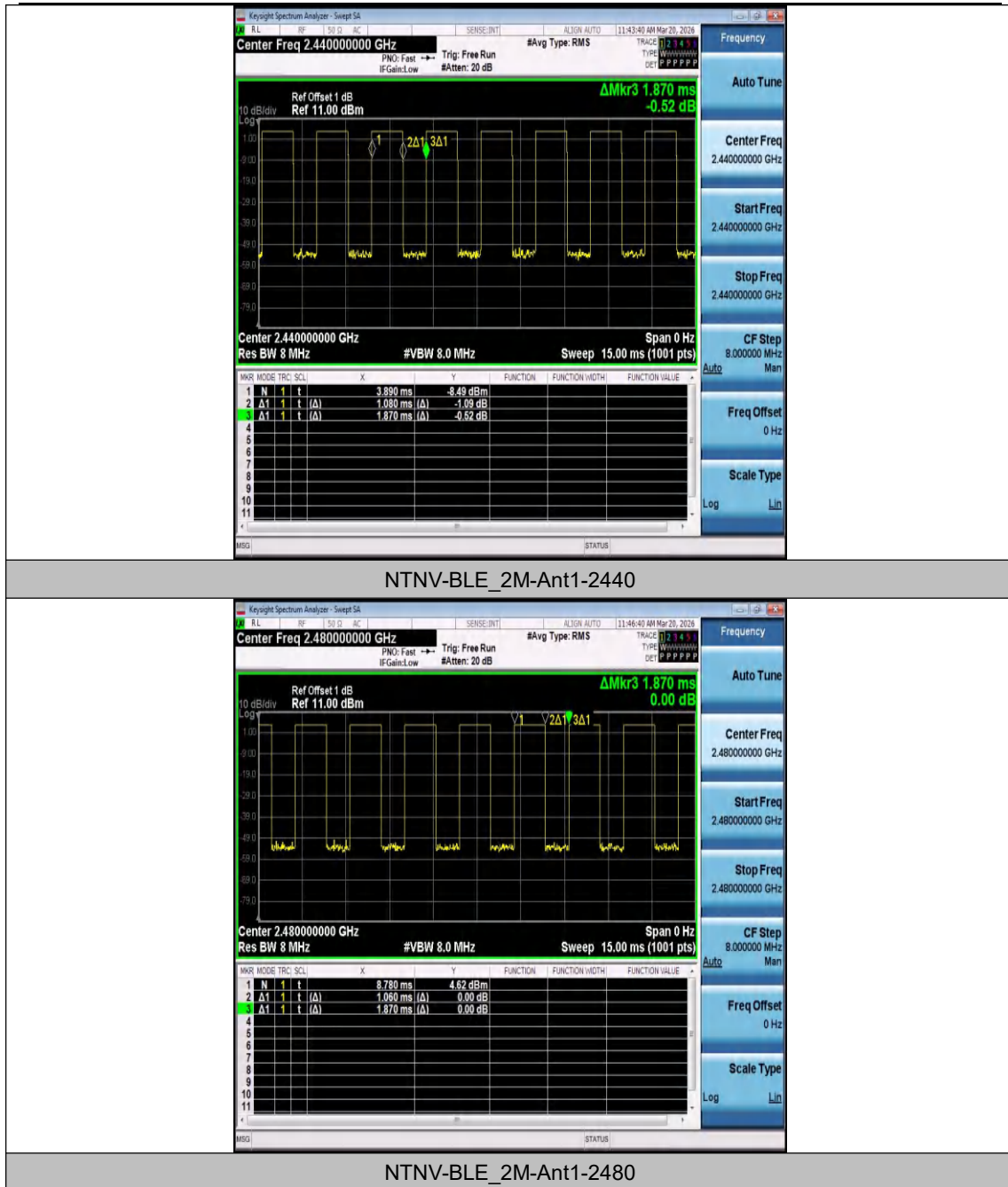




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