

Appendix Test Data

Report No.:	1812C60160712502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-3-23	Finish Test Date:	2026-3-30
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24.8°C	Relative Humidity:	60%
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	0.708	2401.652	2402.360	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.664	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.712	2479.636	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.304	2401.328	2402.632	0.5	PASS
BLE_2M	Ant1	2440	1.108	2439.456	2440.564	0.5	PASS
BLE_2M	Ant1	2480	1.160	2479.432	2480.592	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	1.0166	2401.4947	2402.5113	---	---
BLE_1M	Ant1	2440	1.0267	2439.4897	2440.5164	---	---
BLE_1M	Ant1	2480	1.0301	2479.4854	2480.5155	---	---
BLE_2M	Ant1	2402	2.0648	2400.9799	2403.0447	---	---
BLE_2M	Ant1	2440	2.0752	2438.9754	2441.0506	---	---
BLE_2M	Ant1	2480	2.0720	2478.9808	2481.0528	---	---

Test Graphs



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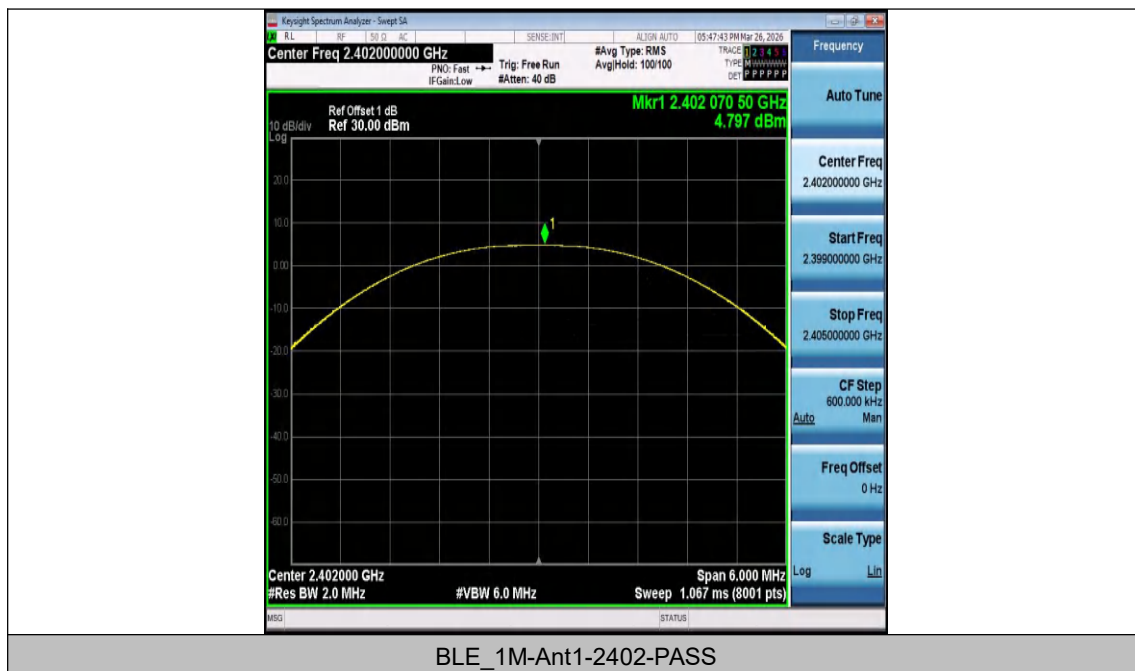
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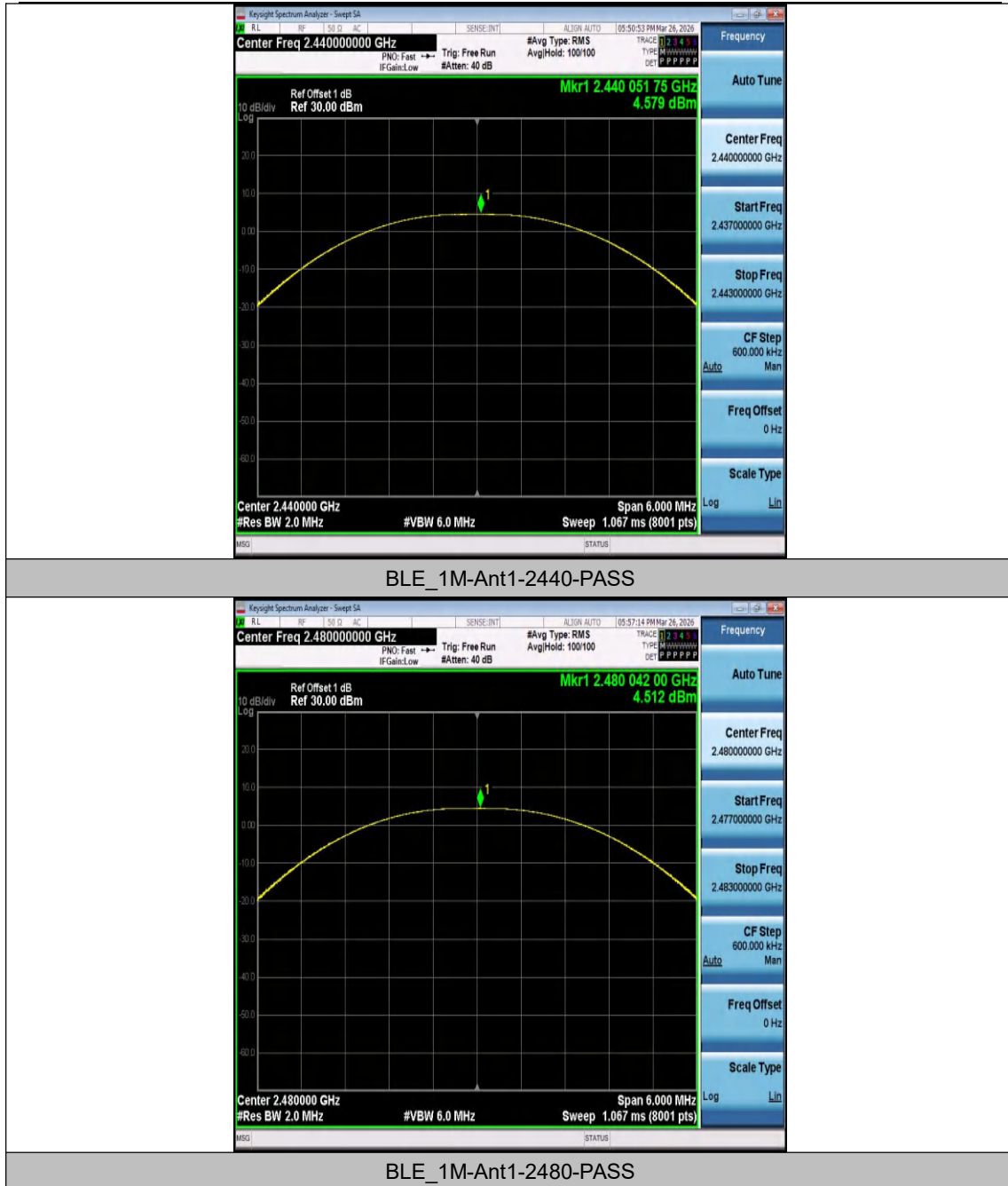
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.80	≤30	PASS
BLE_1M	Ant1	2440	4.58	≤30	PASS
BLE_1M	Ant1	2480	4.51	≤30	PASS
BLE_2M	Ant1	2402	4.72	≤30	PASS
BLE_2M	Ant1	2440	4.51	≤30	PASS
BLE_2M	Ant1	2480	4.44	≤30	PASS

Test Graphs Peak

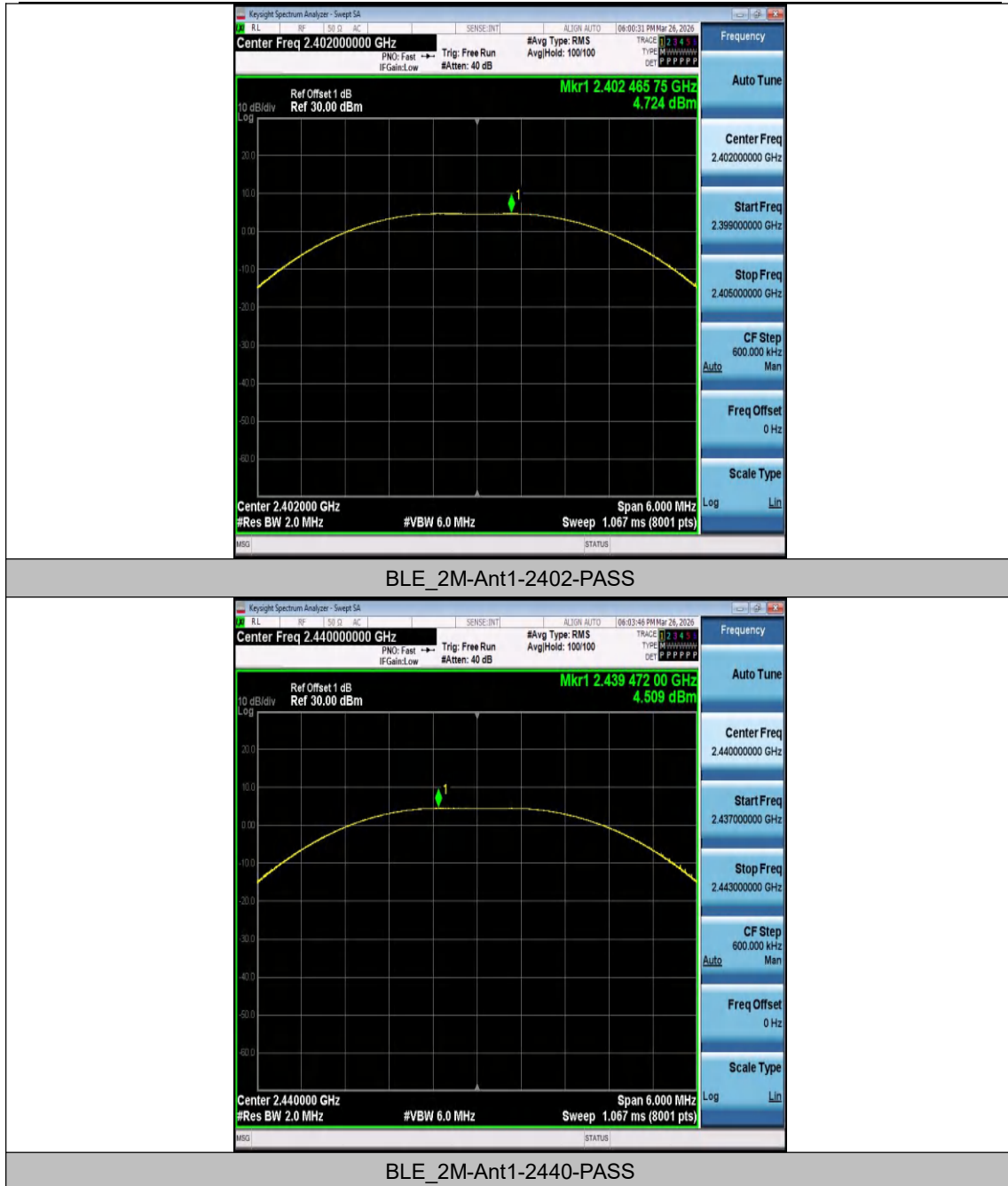




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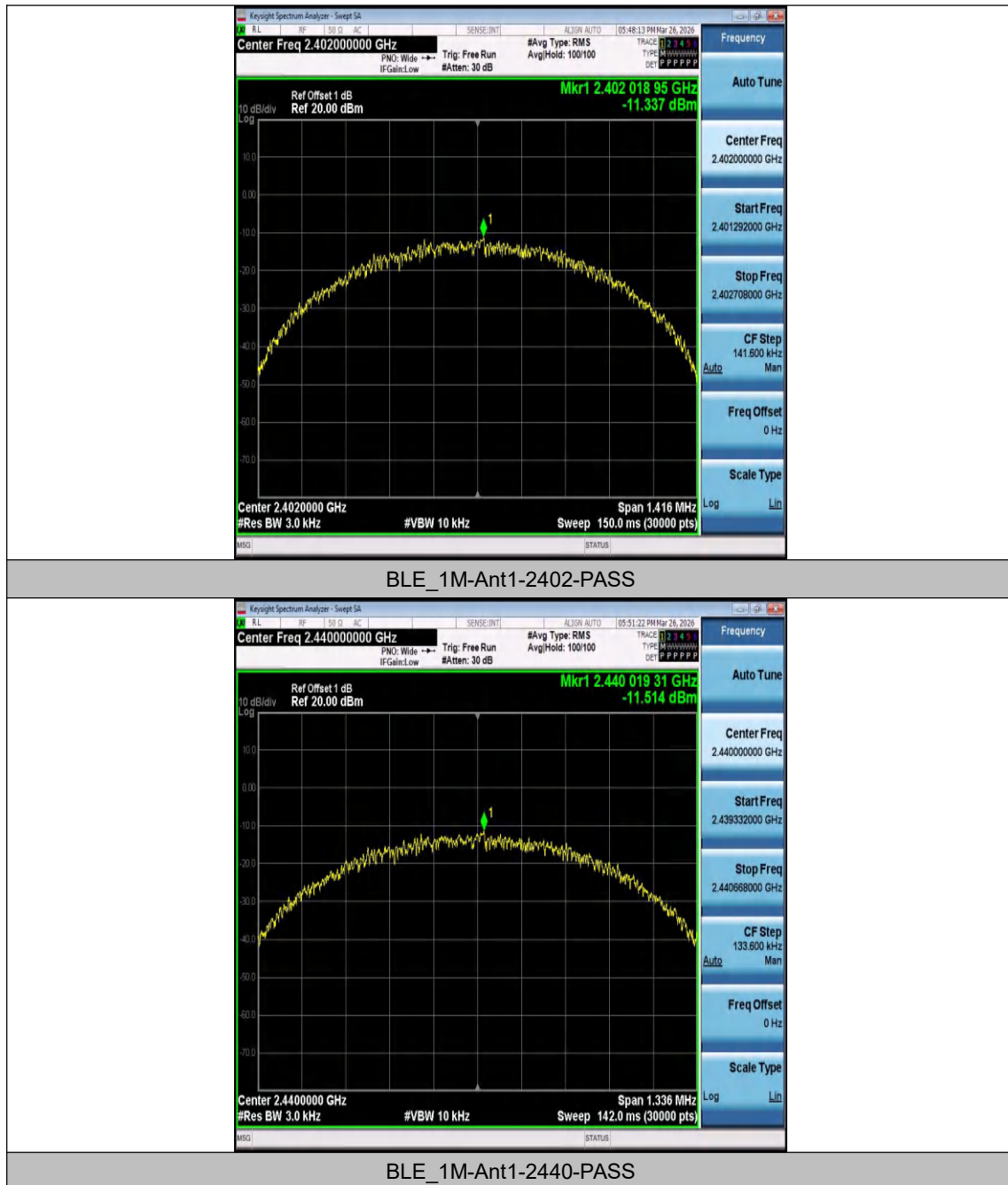
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.34	≤8.00	PASS
BLE_1M	Ant1	2440	-11.51	≤8.00	PASS
BLE_1M	Ant1	2480	-11.73	≤8.00	PASS
BLE_2M	Ant1	2402	-14.64	≤8.00	PASS
BLE_2M	Ant1	2440	-14.83	≤8.00	PASS
BLE_2M	Ant1	2480	-14.81	≤8.00	PASS

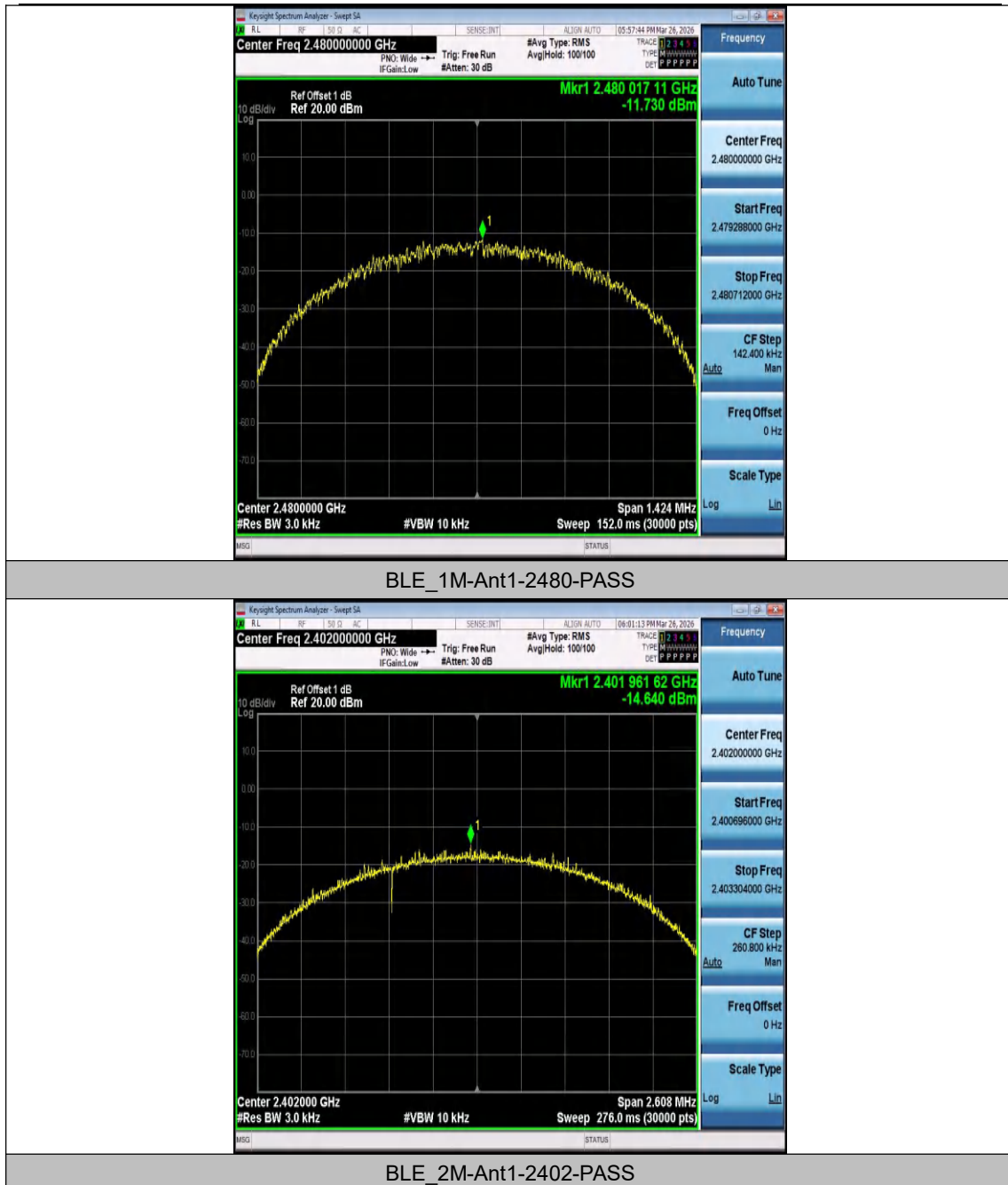
Test Graphs



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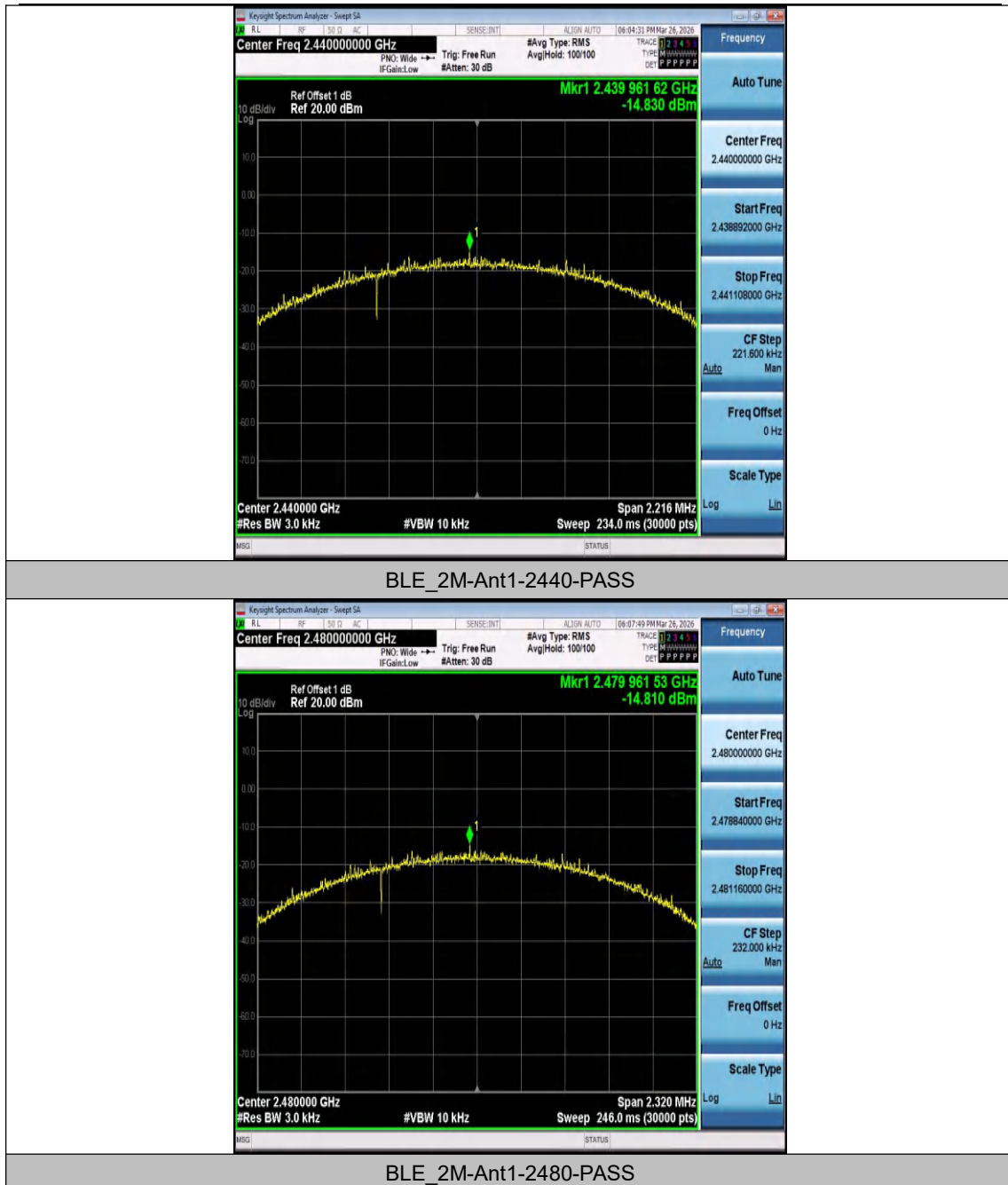
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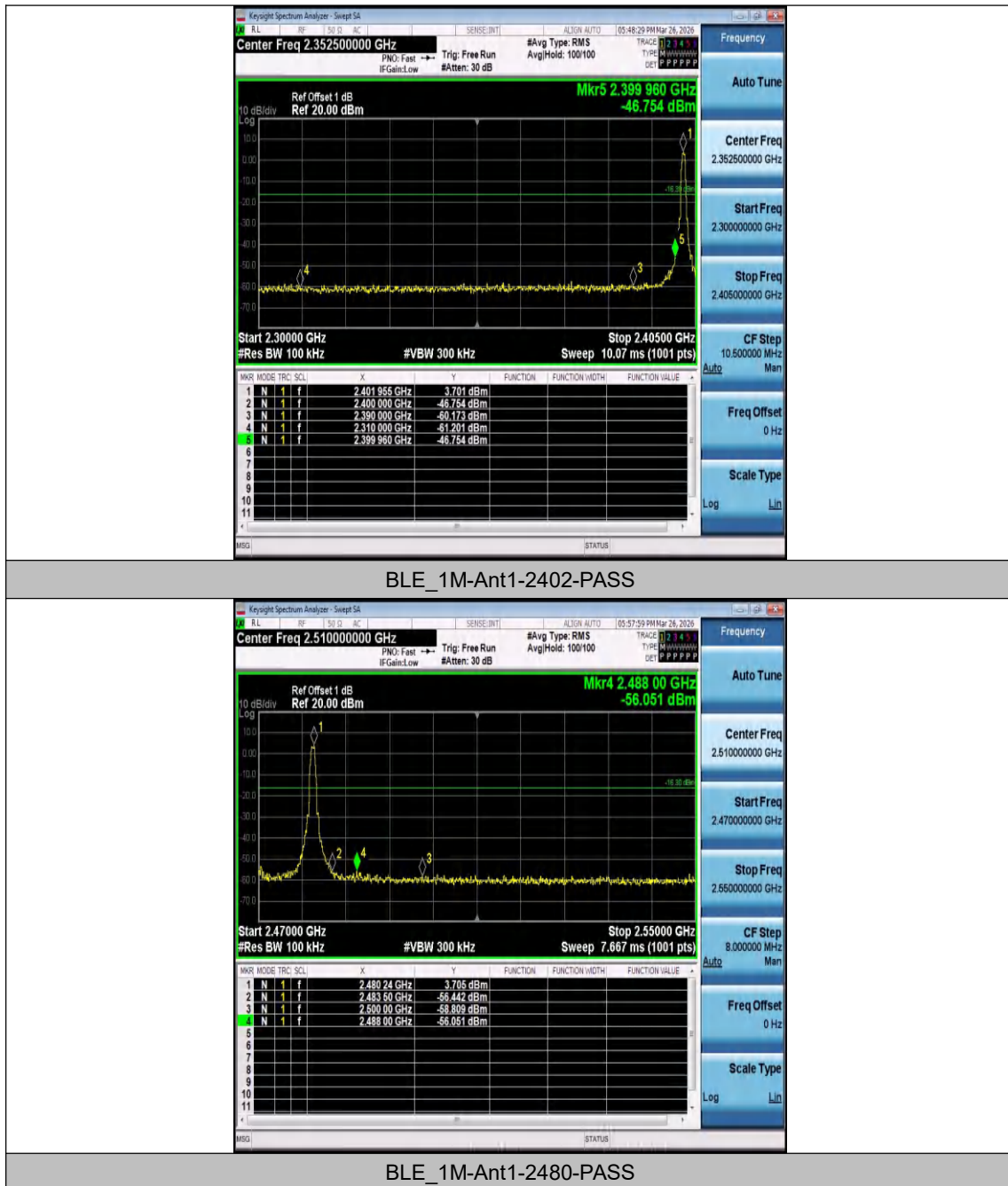
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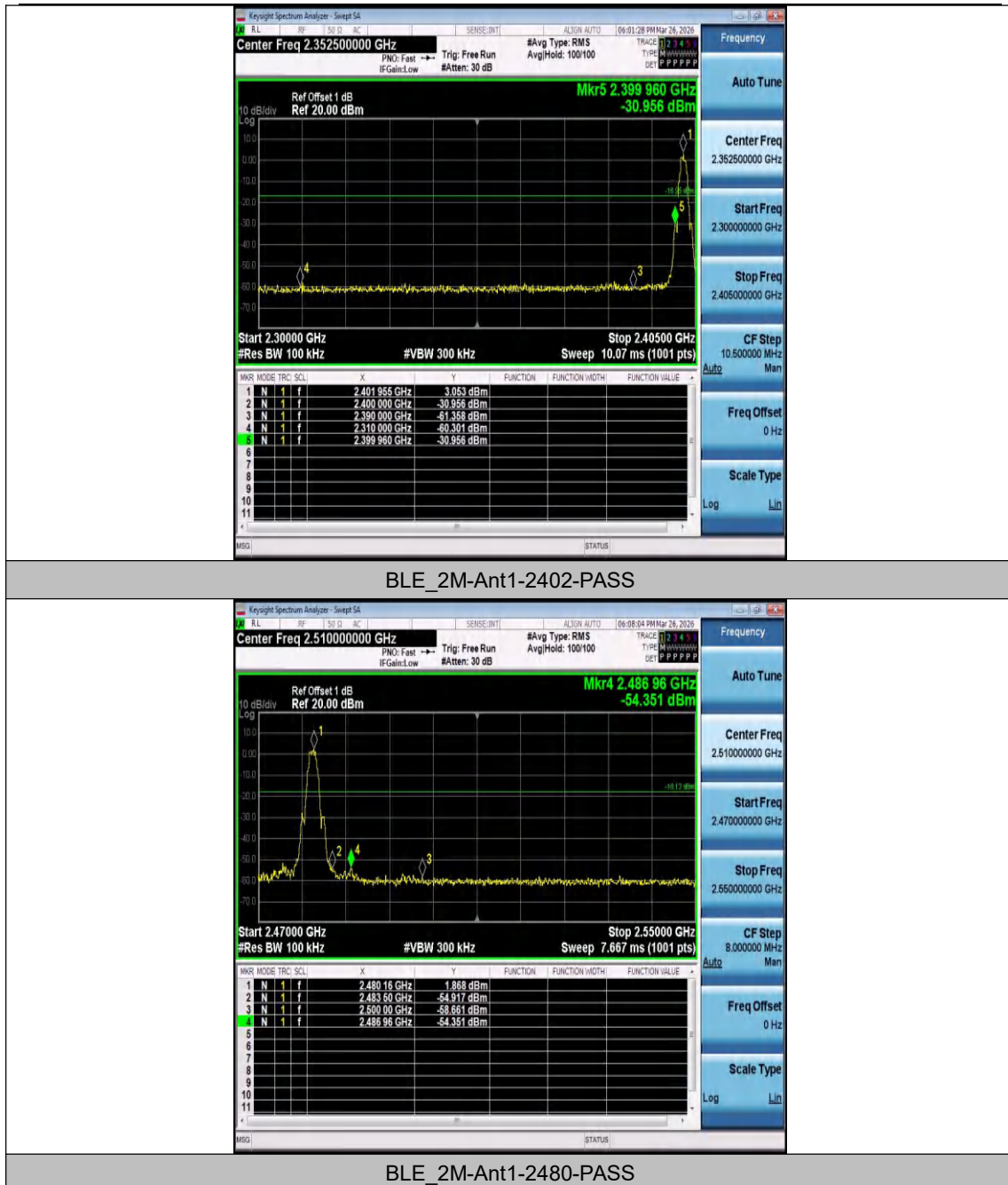
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.70	-46.75	≤-16.3	PASS
BLE_1M	Ant1	High	2480	3.71	-56.05	≤-16.3	PASS
BLE_2M	Ant1	Low	2402	3.05	-30.96	≤-16.95	PASS
BLE_2M	Ant1	High	2480	1.87	-54.35	≤-18.13	PASS

Test Graphs





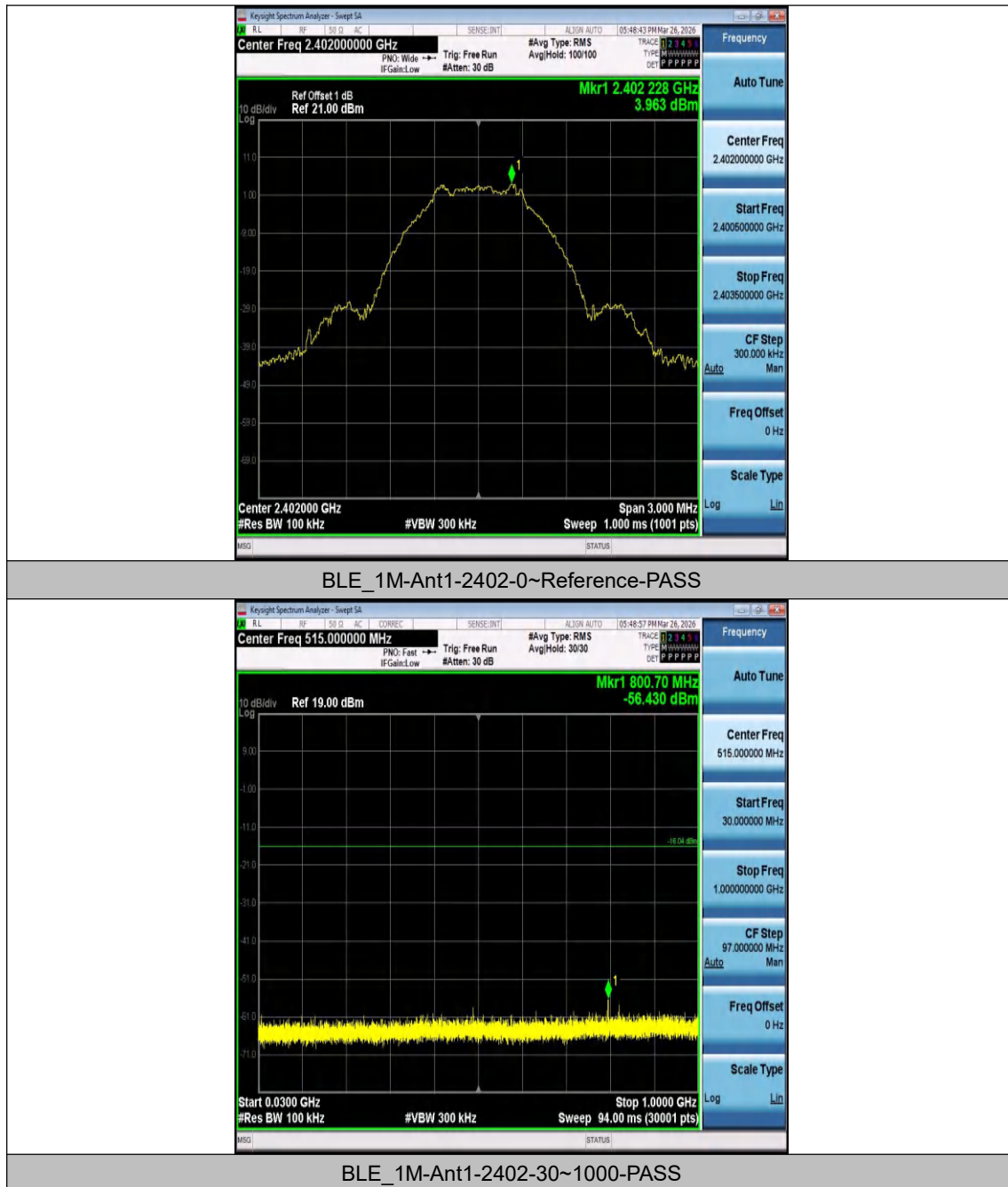
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.96	3.96	---	PASS
BLE_1M	Ant1	2402	30~1000	3.96	-56.43	≤-16.04	PASS
BLE_1M	Ant1	2402	1000~26500	3.96	-42.01	≤-16.04	PASS
BLE_1M	Ant1	2440	0~Reference	3.48	3.48	---	PASS
BLE_1M	Ant1	2440	30~1000	3.48	-56.21	≤-16.52	PASS
BLE_1M	Ant1	2440	1000~26500	3.48	-42.63	≤-16.52	PASS
BLE_1M	Ant1	2480	0~Reference	4.03	4.03	---	PASS
BLE_1M	Ant1	2480	30~1000	4.03	-54.92	≤-15.97	PASS
BLE_1M	Ant1	2480	1000~26500	4.03	-43.56	≤-15.97	PASS
BLE_2M	Ant1	2402	0~Reference	2.44	2.44	---	PASS
BLE_2M	Ant1	2402	30~1000	2.44	-57.93	≤-17.56	PASS
BLE_2M	Ant1	2402	1000~26500	2.44	-44.35	≤-17.56	PASS
BLE_2M	Ant1	2440	0~Reference	3.31	3.31	---	PASS
BLE_2M	Ant1	2440	30~1000	3.31	-56.38	≤-16.69	PASS
BLE_2M	Ant1	2440	1000~26500	3.31	-46.18	≤-16.69	PASS
BLE_2M	Ant1	2480	0~Reference	3.19	3.19	---	PASS
BLE_2M	Ant1	2480	30~1000	3.19	-46.18	≤-16.81	PASS
BLE_2M	Ant1	2480	1000~26500	3.19	-45.62	≤-16.81	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.

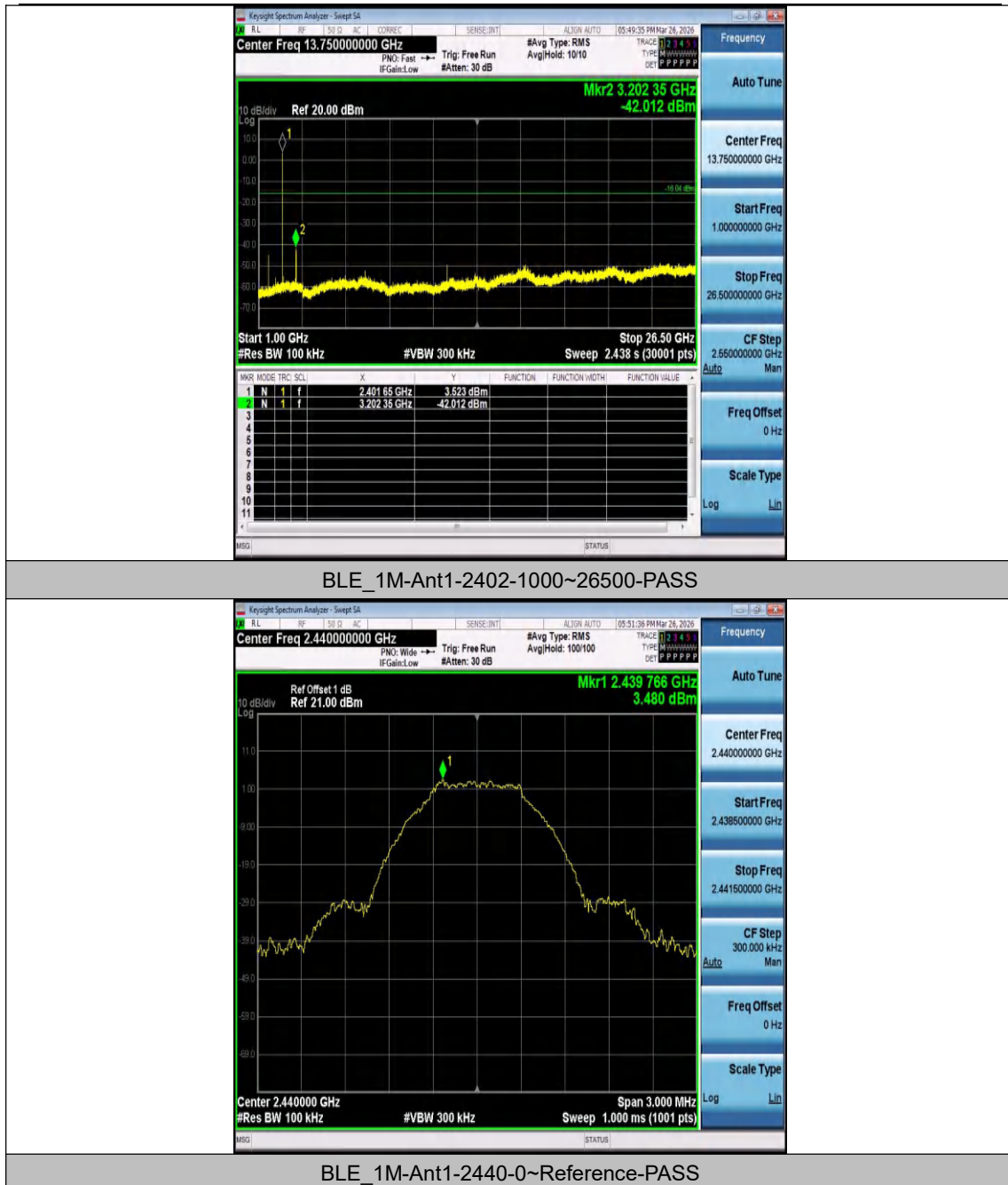
Test Graphs



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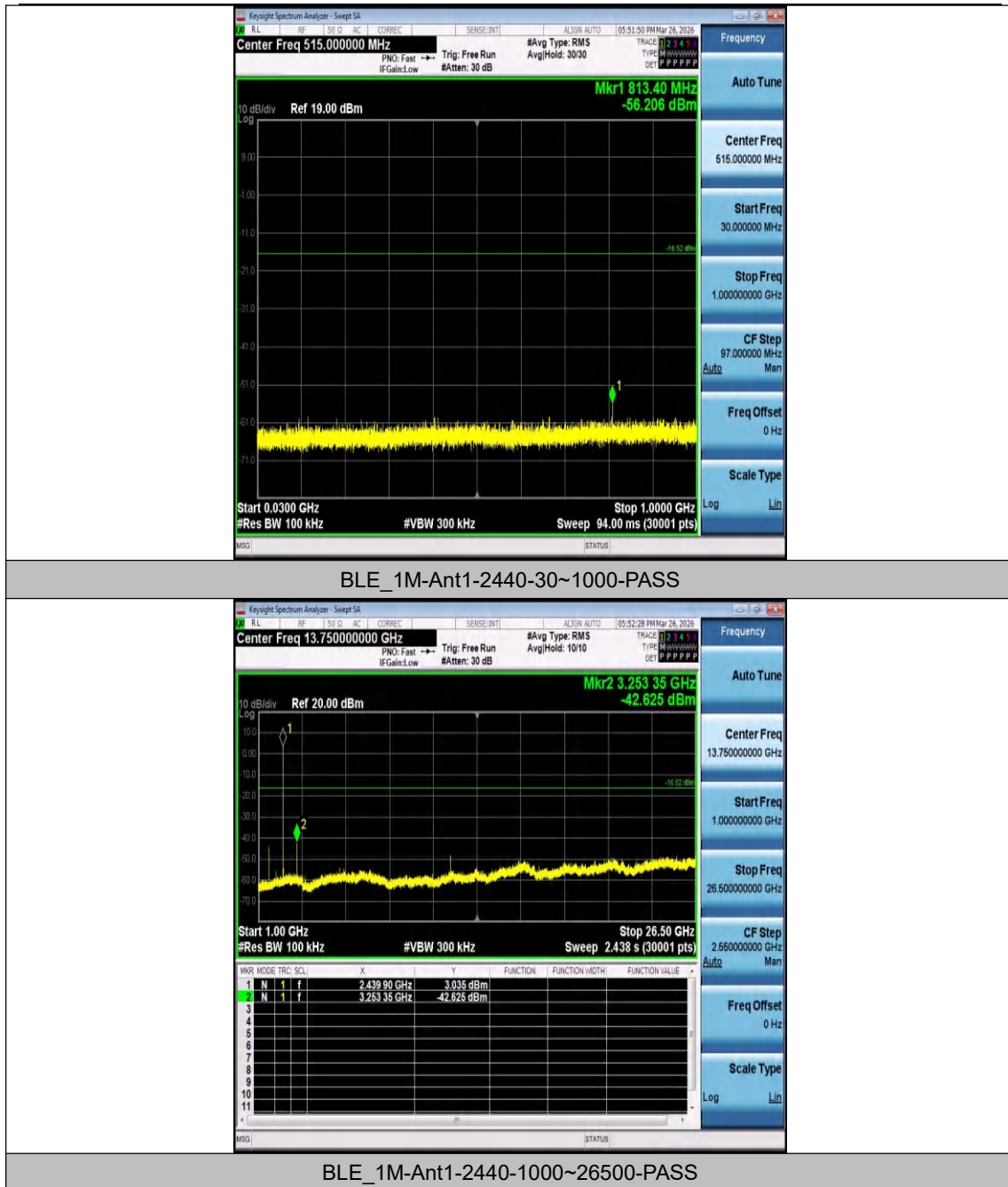
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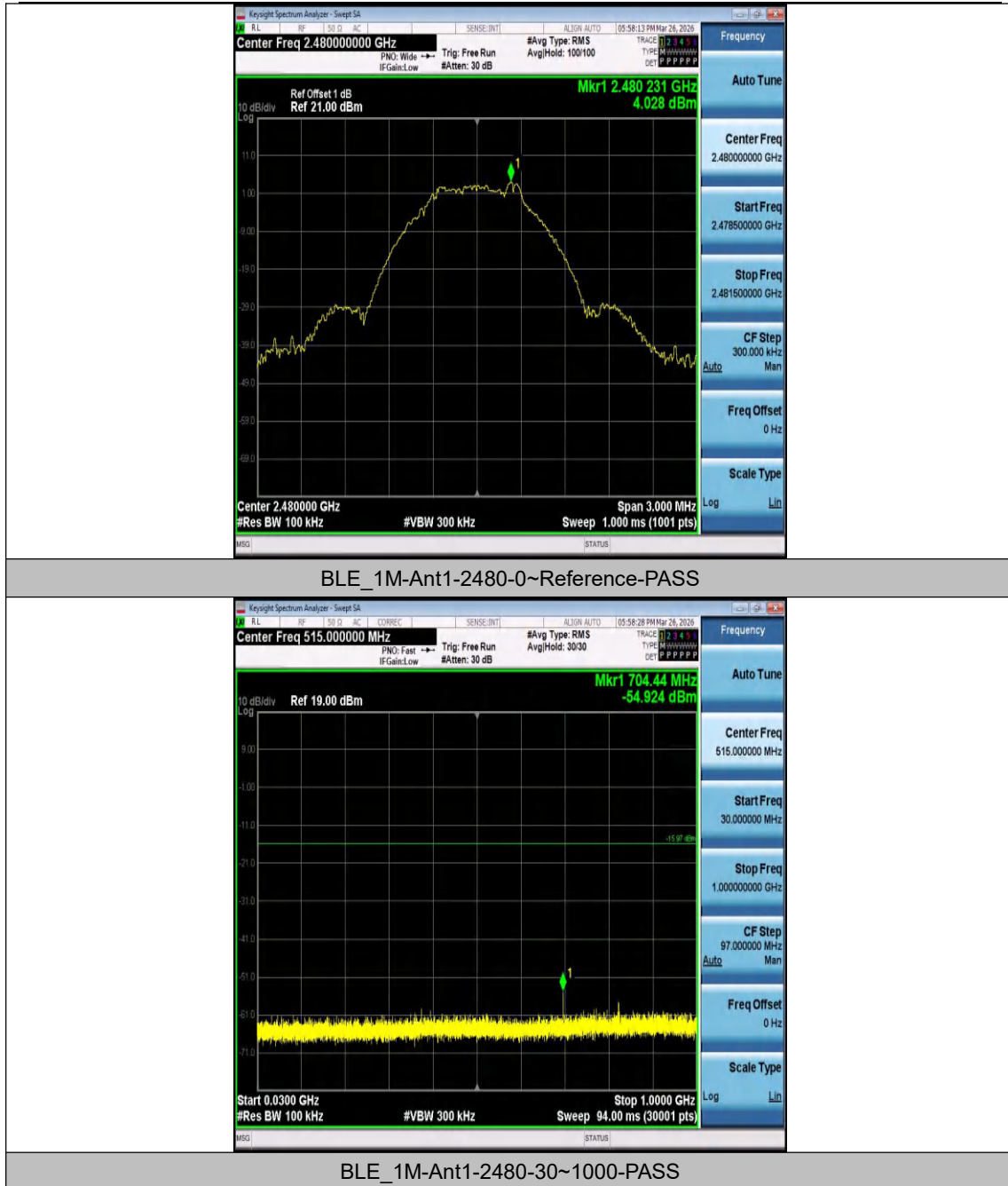
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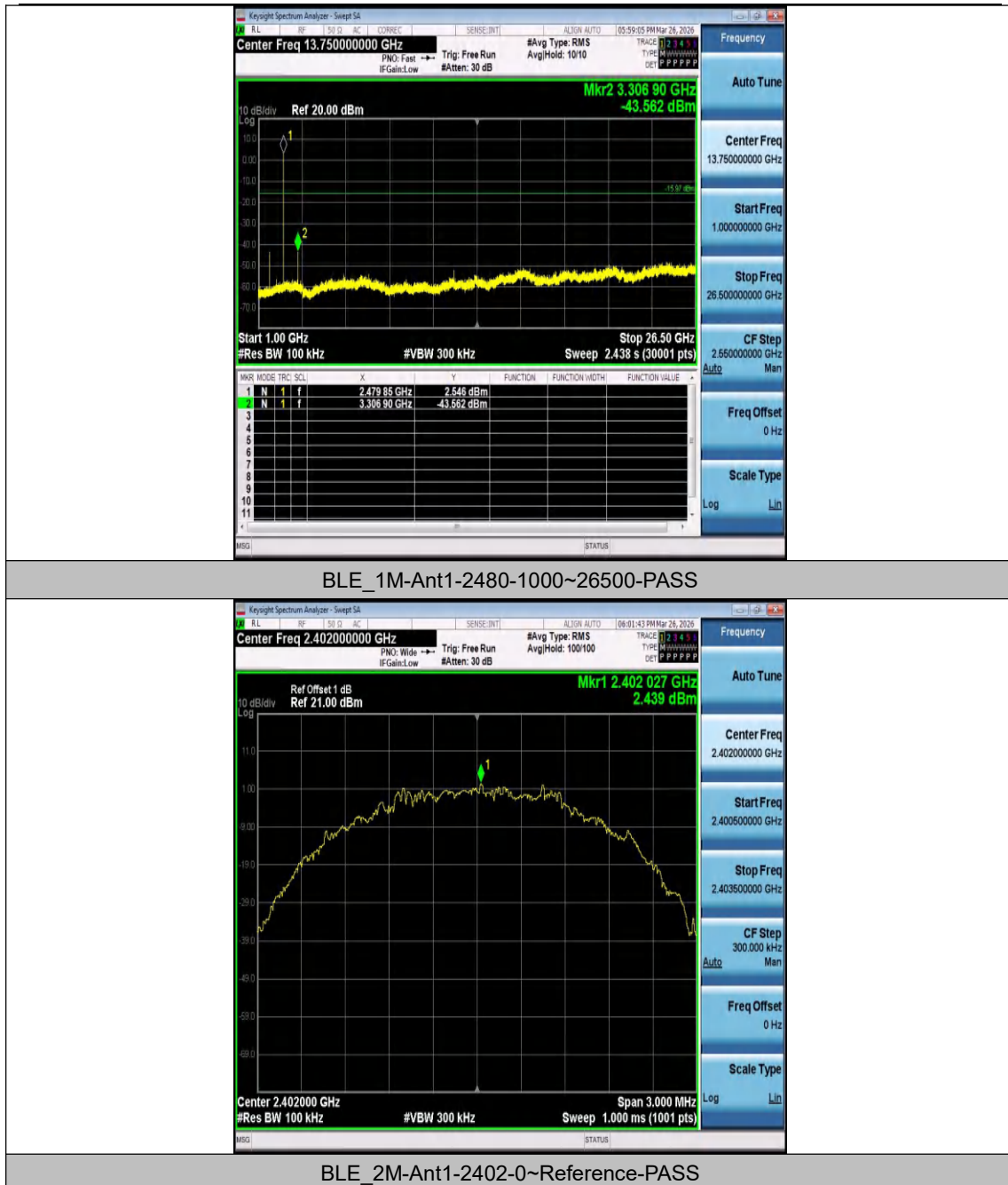
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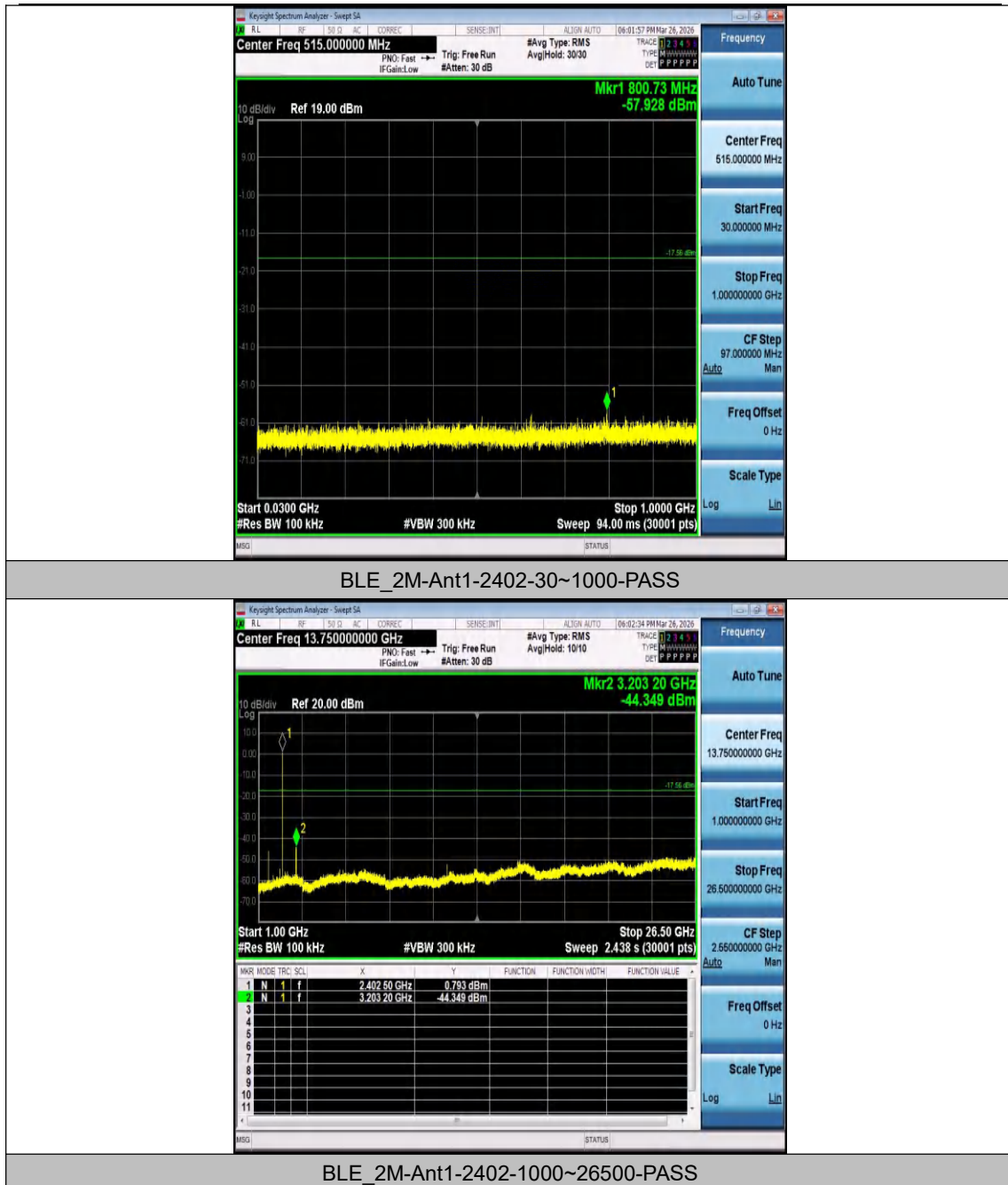


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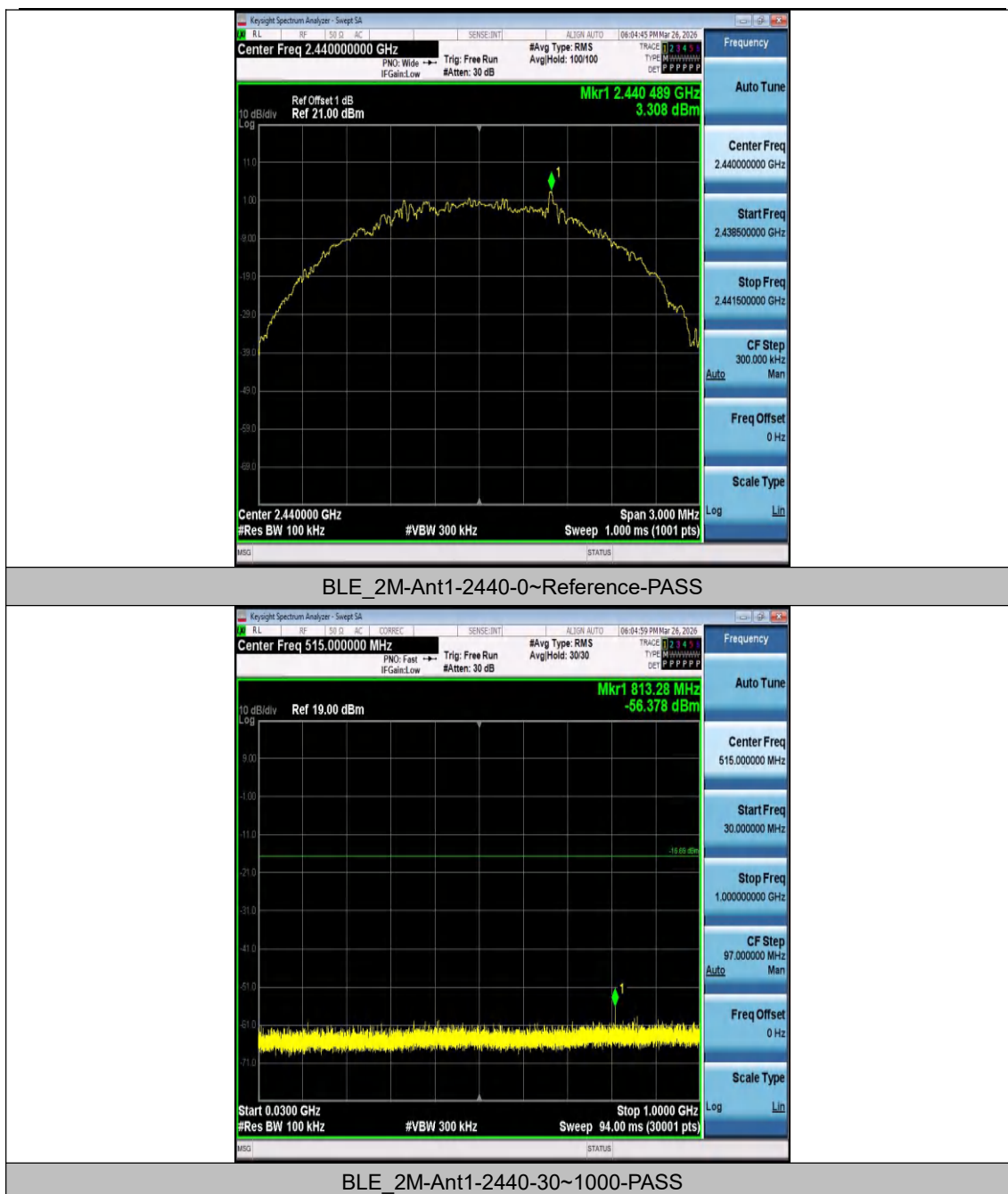




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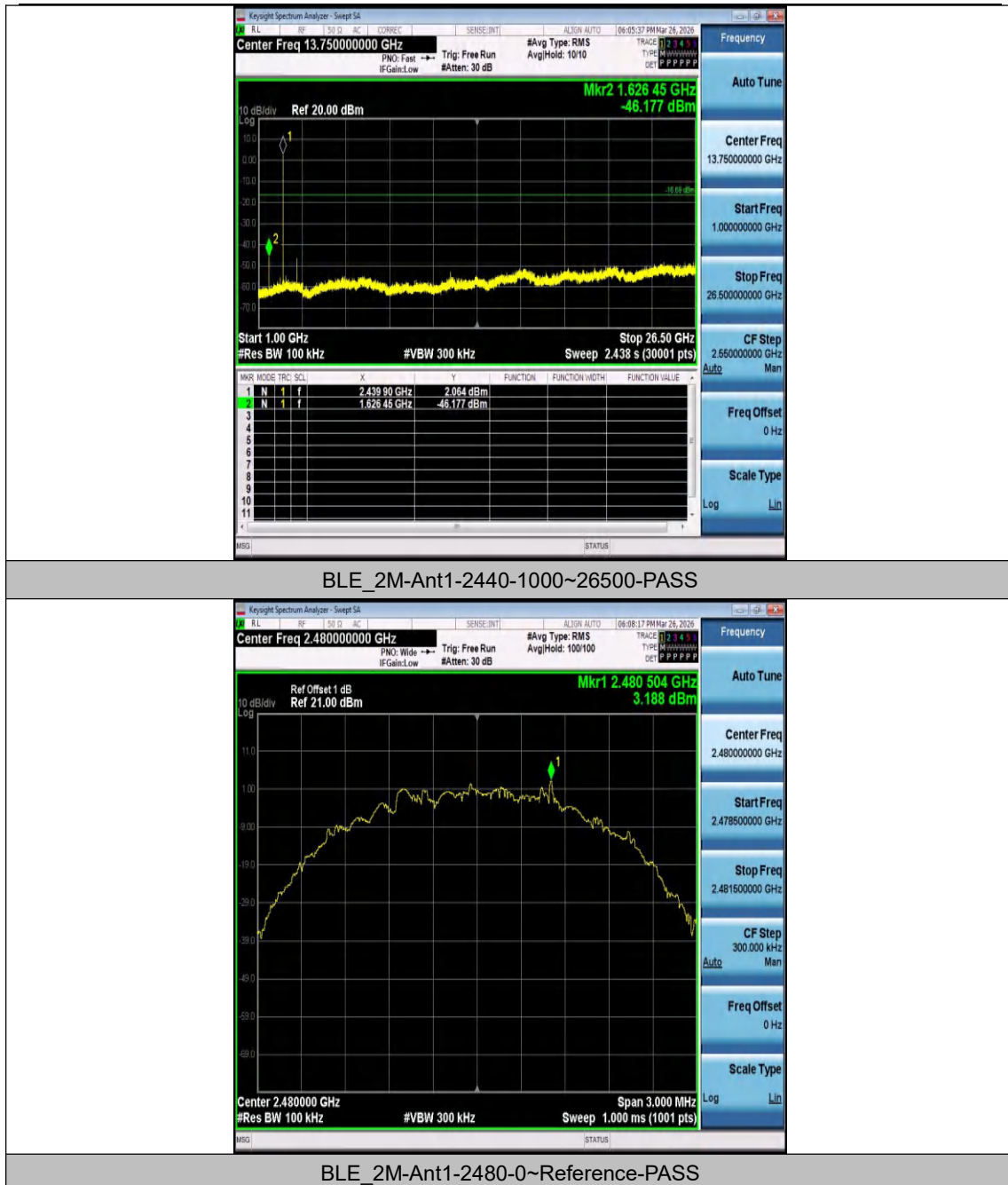
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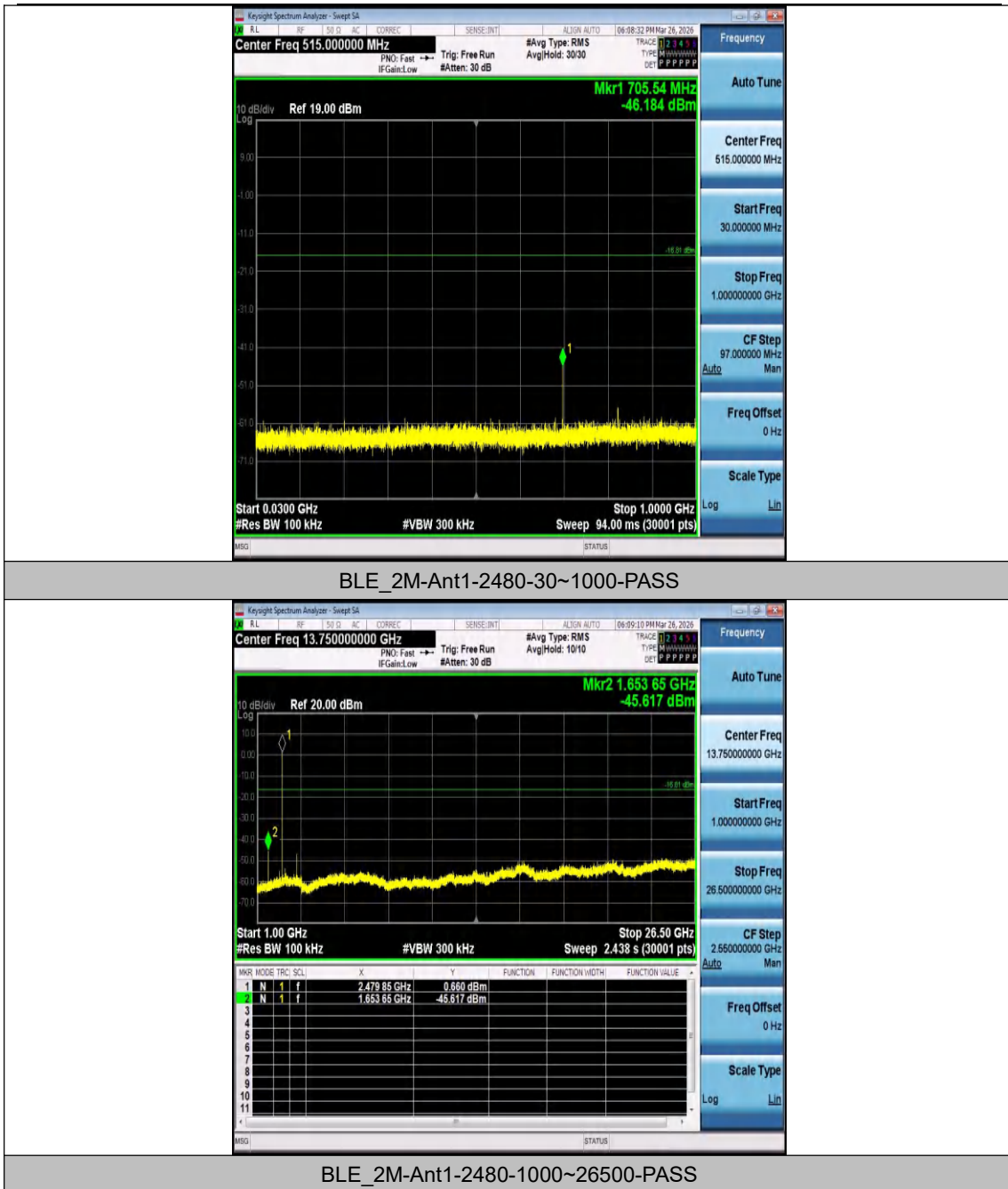
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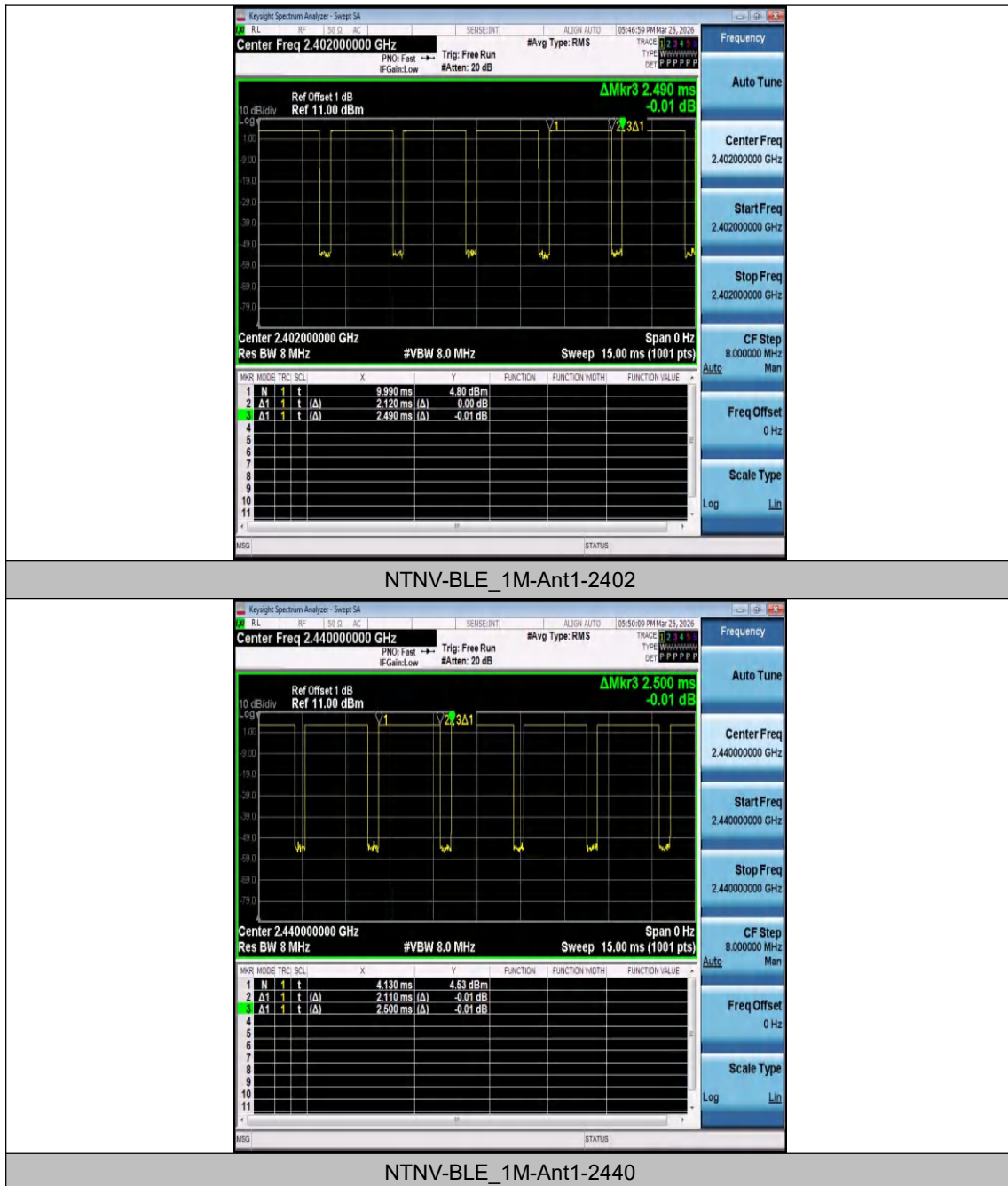
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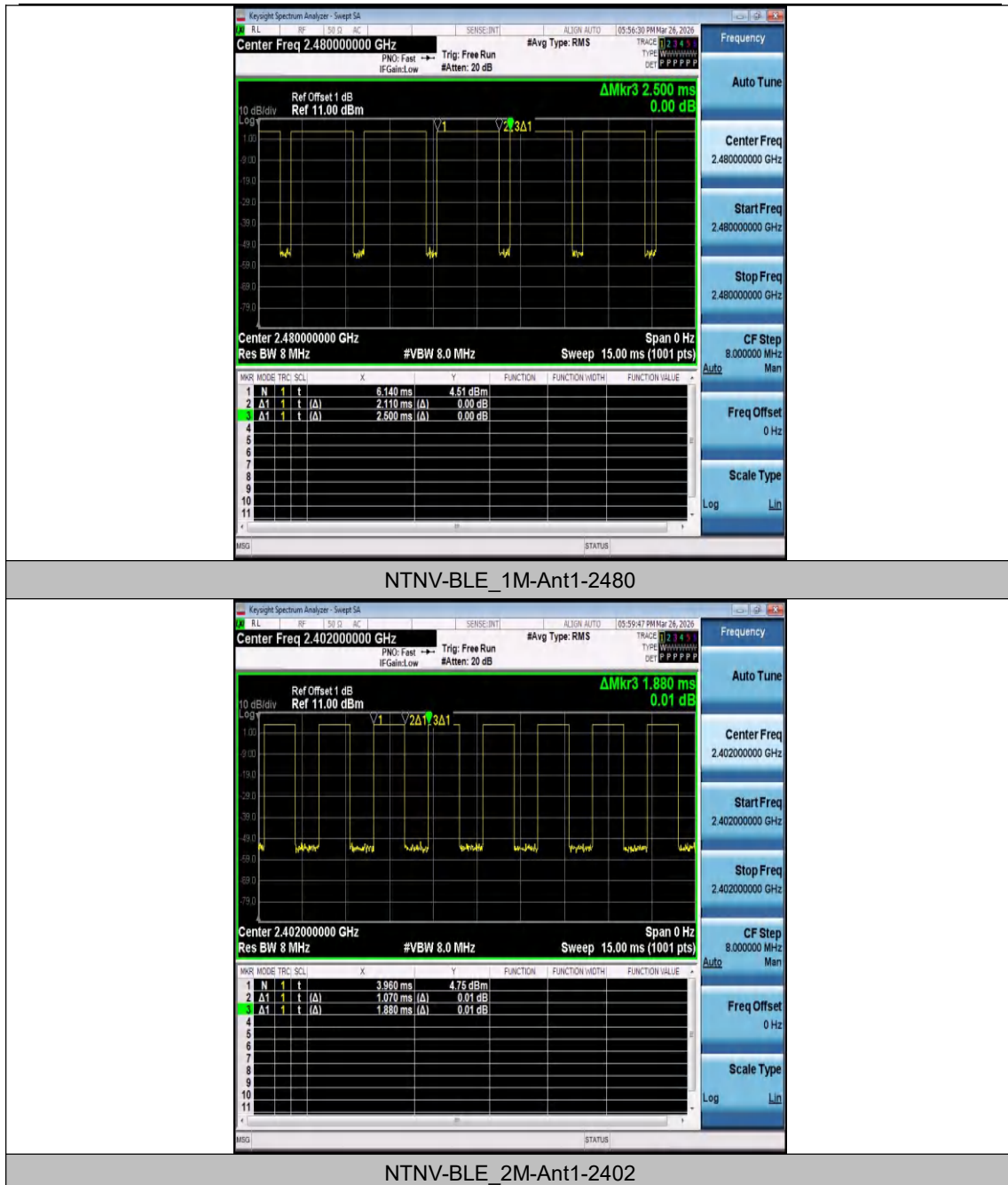
Appendix G: Duty Cycle

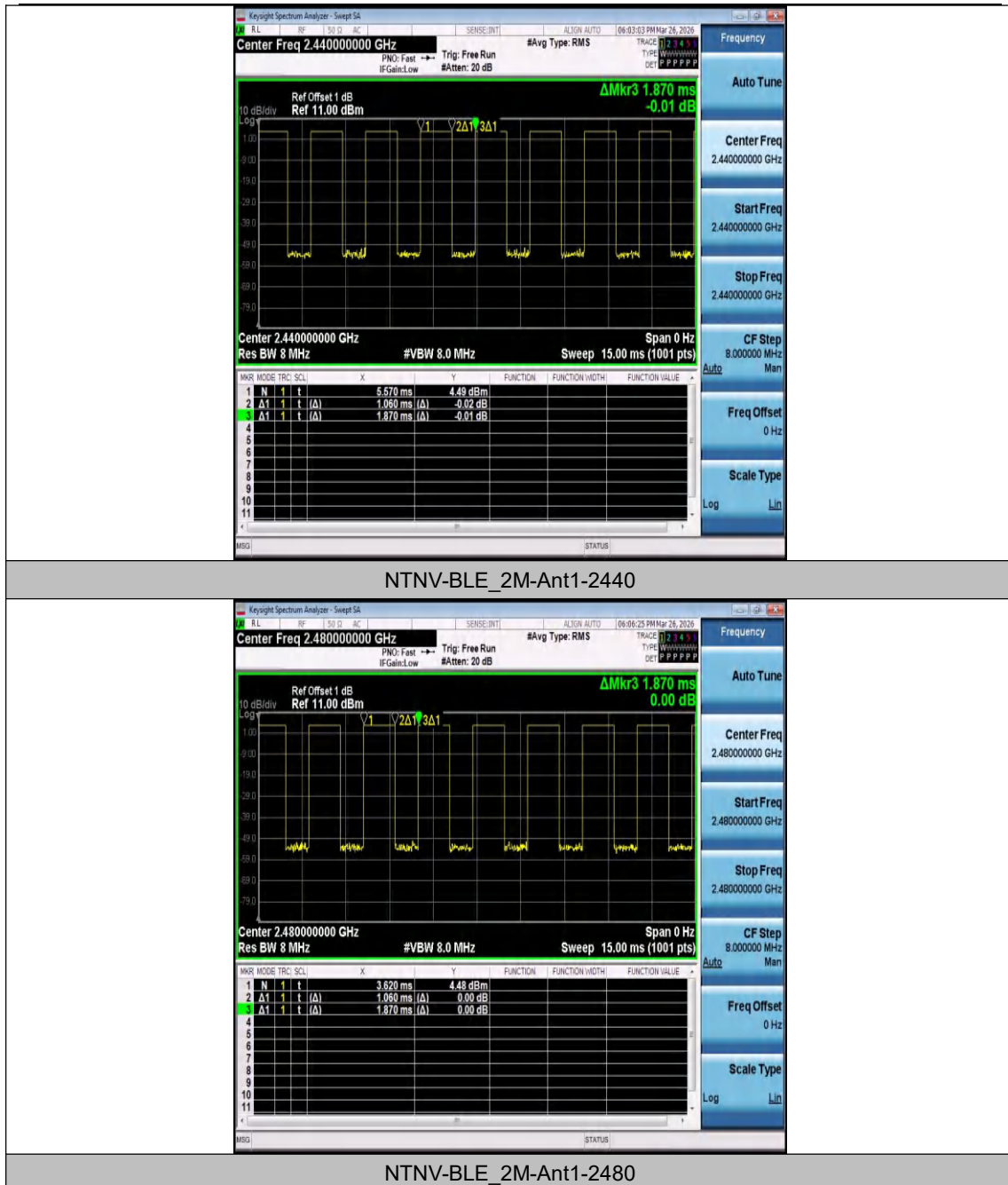
Test Result

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	2.11	2.50	84.40	0.74
BLE_1M	Ant1	2480	2.11	2.50	84.40	0.74
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2440	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2480	1.06	1.87	56.68	2.47

Test Graphs







---End---