

Appendix Test Data

Report No.:	1812C60384512501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-31	Finish Test Date:	2026-8-4
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	64%
Pressure:	100.1kPa		



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	0.624	2401.684	2402.308	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.664	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.660	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.020	2401.460	2402.480	0.5	PASS
BLE_2M	Ant1	2440	1.080	2439.456	2440.536	0.5	PASS
BLE_2M	Ant1	2480	1.068	2479.468	2480.536	0.5	PASS

Test Graphs



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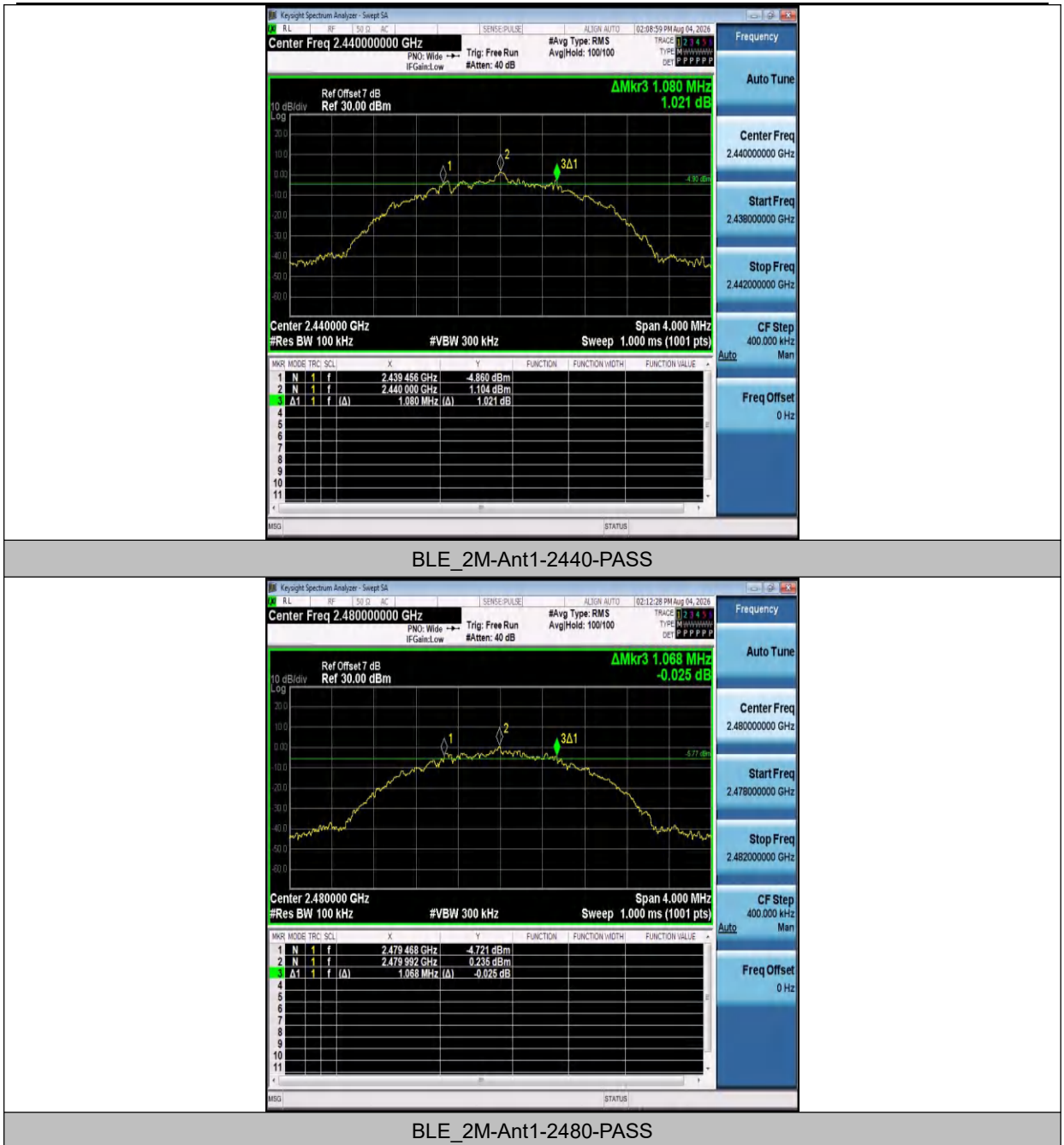
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0277	2401.4870	2402.5147	---	---
BLE_1M	Ant1	2440	1.0161	2439.4912	2440.5073	---	---
BLE_1M	Ant1	2480	1.0198	2479.4906	2480.5104	---	---
BLE_2M	Ant1	2402	2.0632	2400.9705	2403.0337	---	---
BLE_2M	Ant1	2440	2.0390	2438.9940	2441.0330	---	---
BLE_2M	Ant1	2480	2.0449	2478.9880	2481.0329	---	---

Test Graphs



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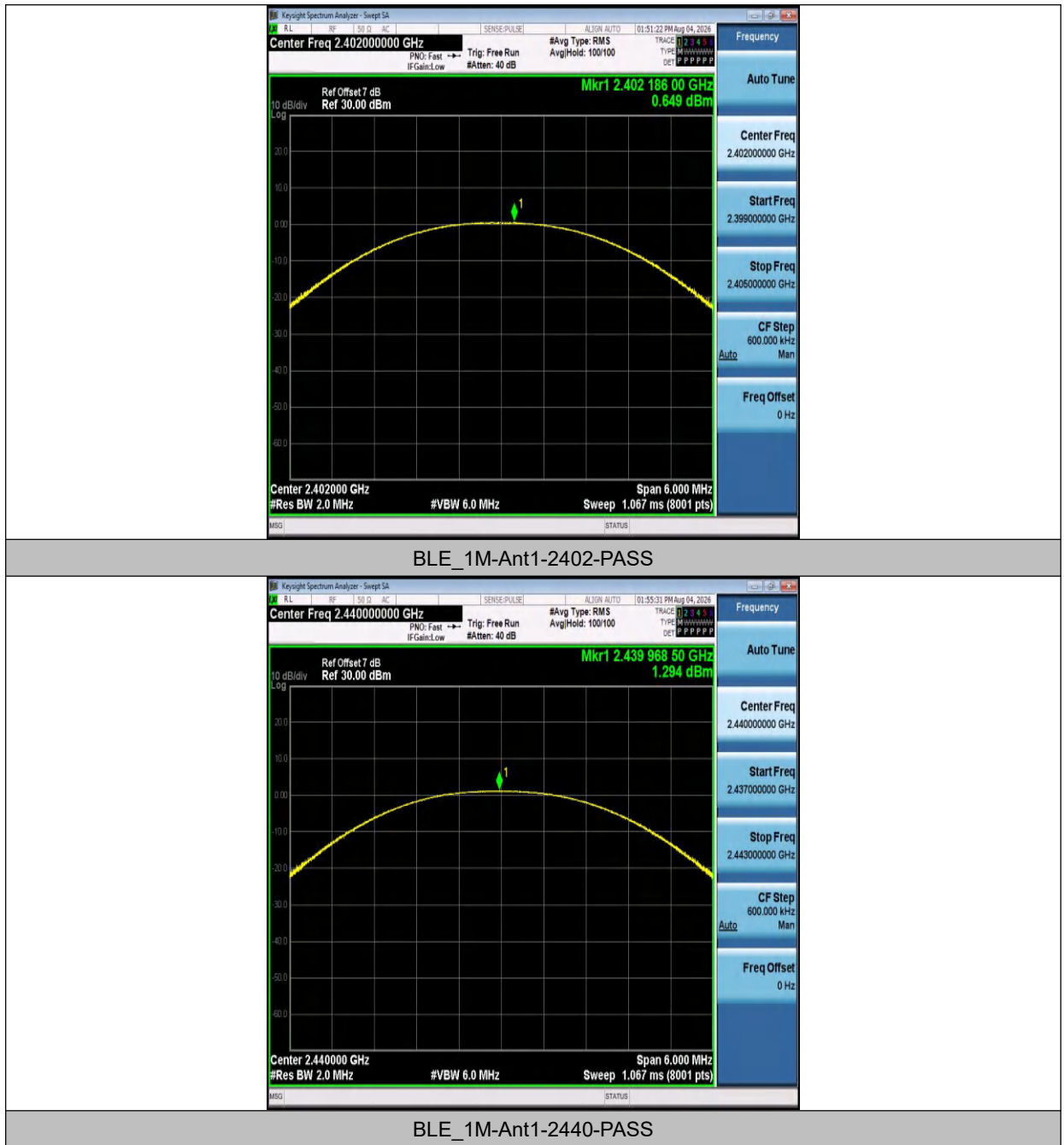
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.65	≤30	PASS
BLE_1M	Ant1	2440	1.29	≤30	PASS
BLE_1M	Ant1	2480	1.49	≤30	PASS
BLE_2M	Ant1	2402	0.72	≤30	PASS
BLE_2M	Ant1	2440	1.38	≤30	PASS
BLE_2M	Ant1	2480	1.55	≤30	PASS

Test Graphs Peak



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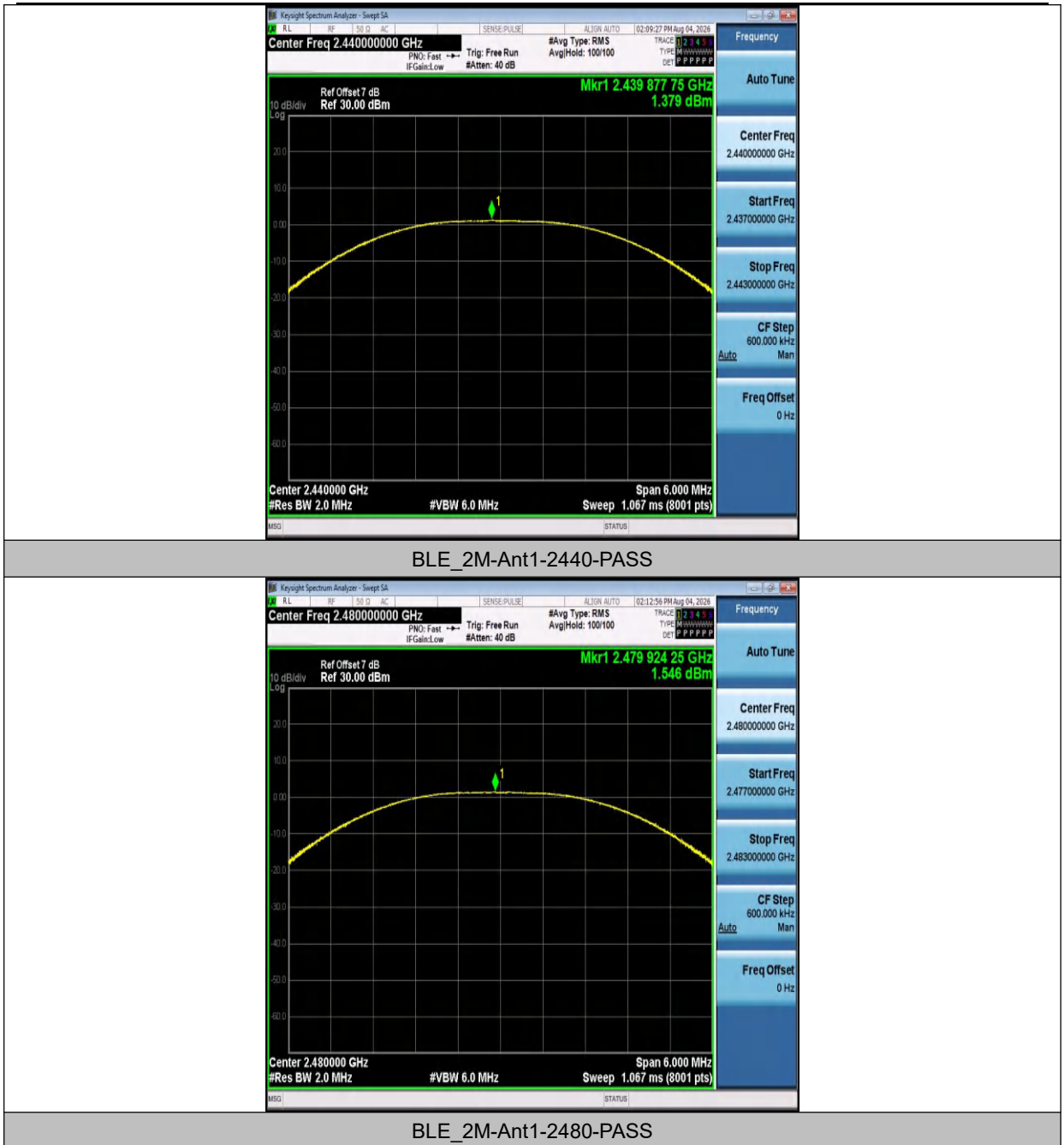
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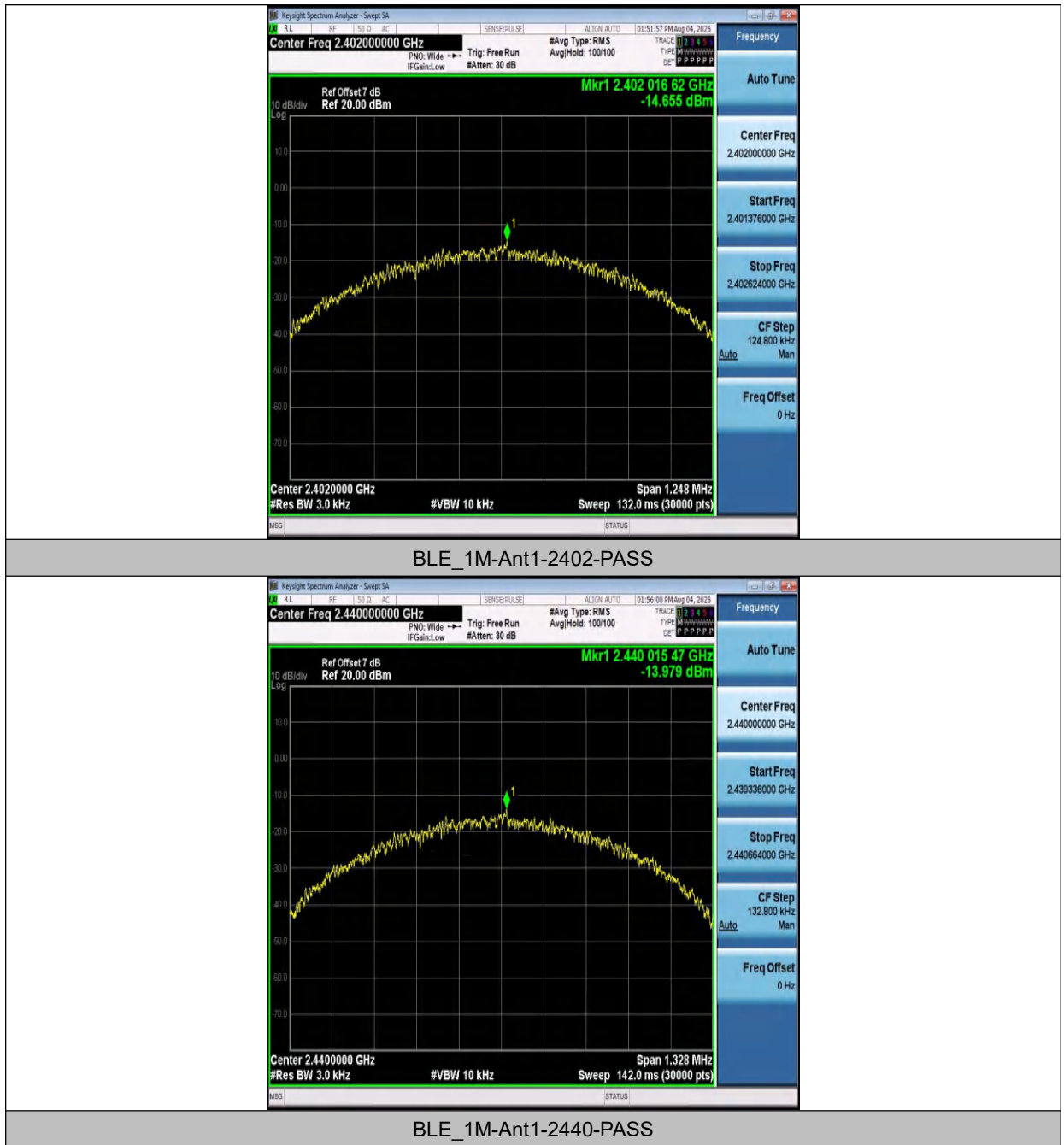
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.66	≤8.00	PASS
BLE_1M	Ant1	2440	-13.98	≤8.00	PASS
BLE_1M	Ant1	2480	-13.76	≤8.00	PASS
BLE_2M	Ant1	2402	-16.53	≤8.00	PASS
BLE_2M	Ant1	2440	-16.03	≤8.00	PASS
BLE_2M	Ant1	2480	-15.72	≤8.00	PASS

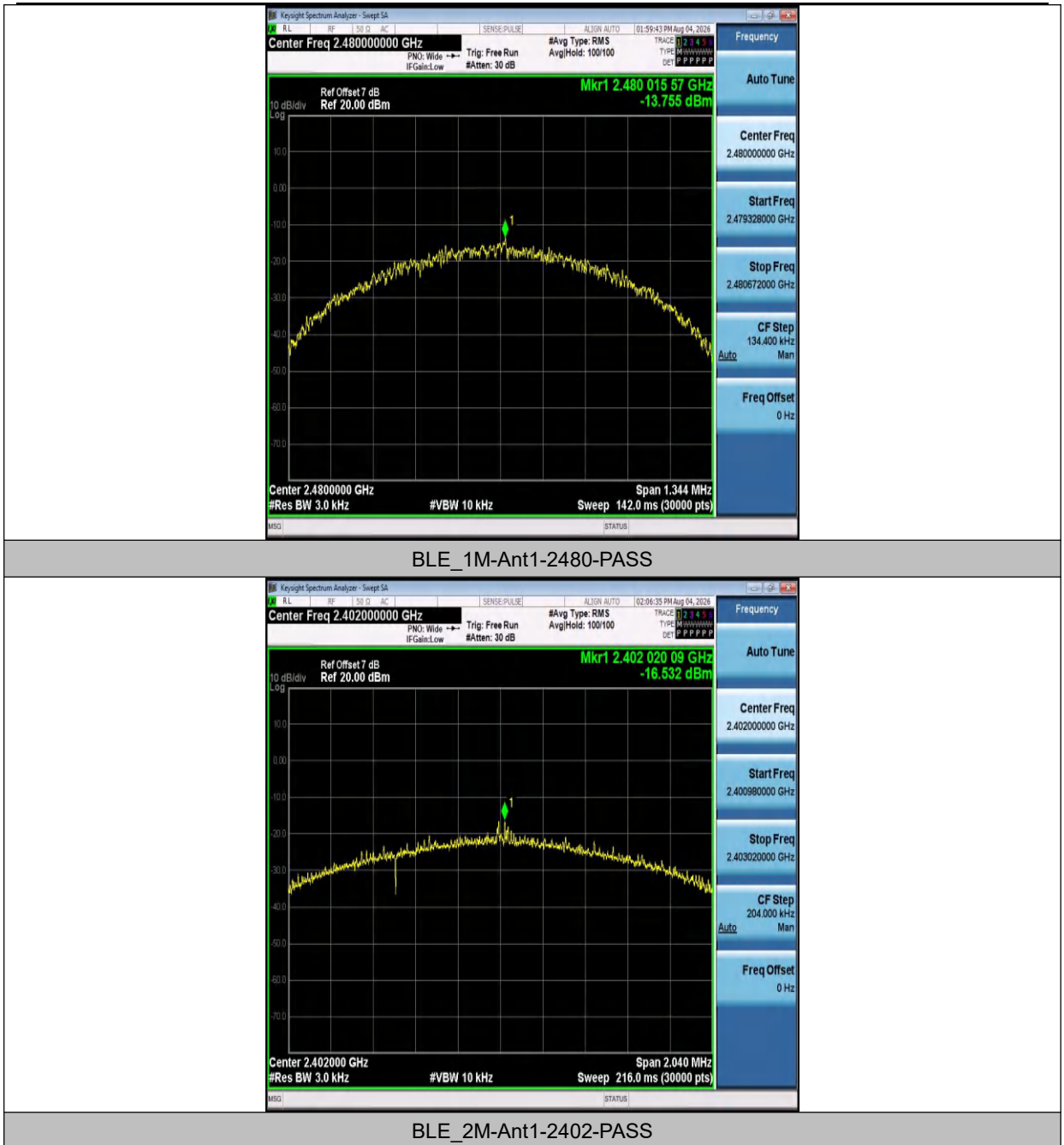
Test Graphs



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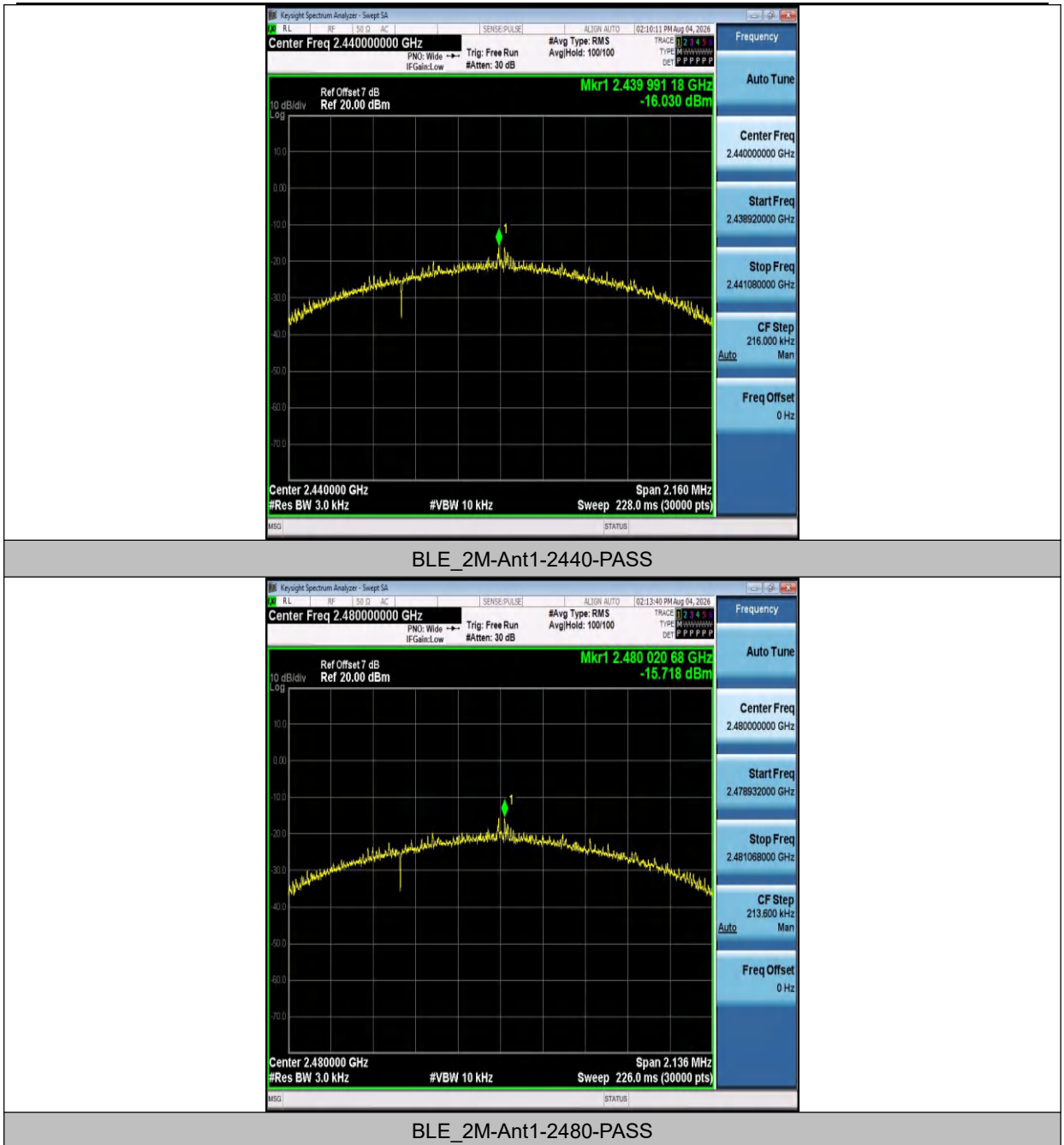
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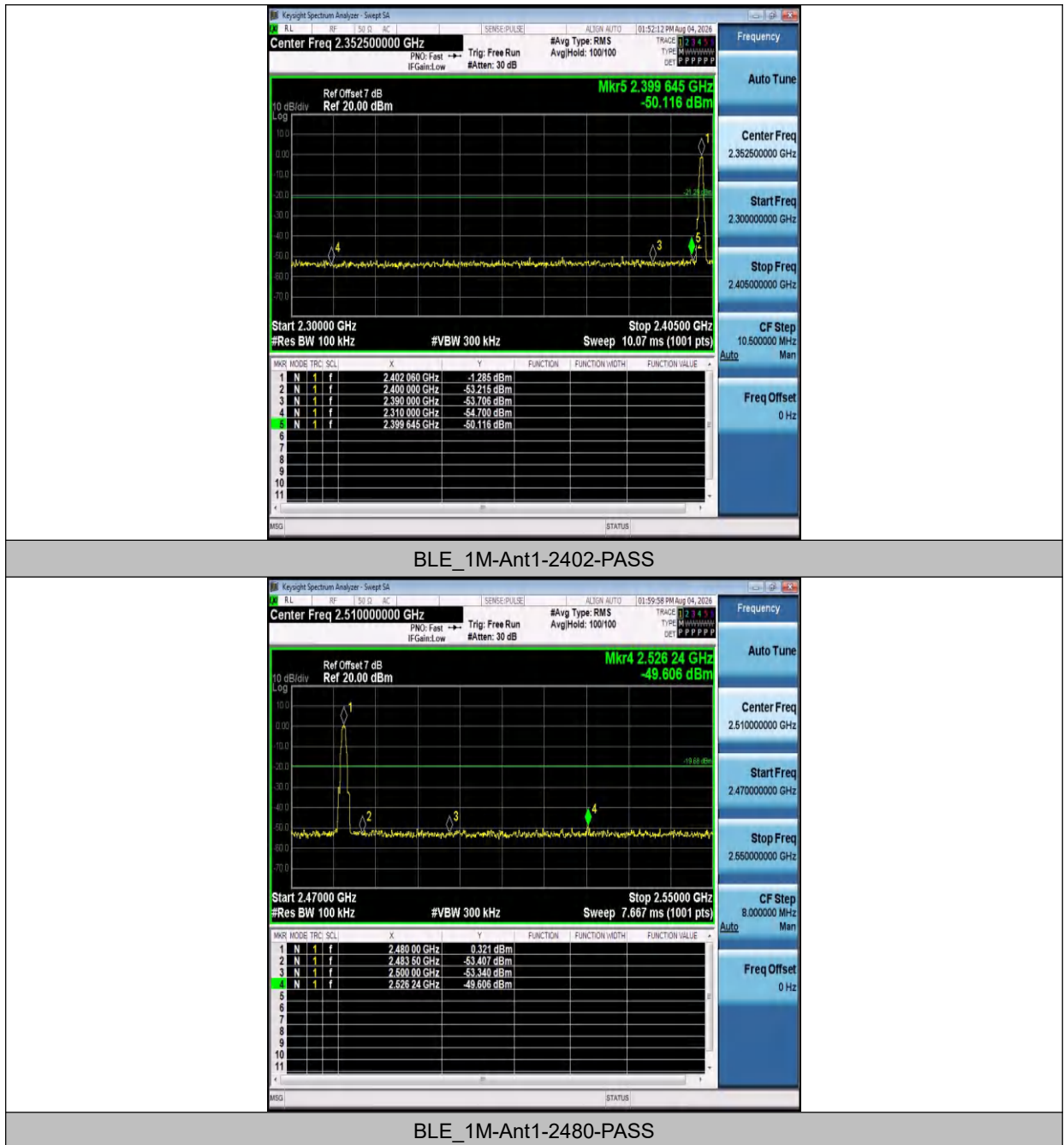
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.29	-50.12	≤-21.29	PASS
BLE_1M	Ant1	High	2480	0.32	-49.61	≤-19.68	PASS
BLE_2M	Ant1	Low	2402	-2.20	-49.12	≤-22.2	PASS
BLE_2M	Ant1	High	2480	-1.76	-49.92	≤-21.76	PASS

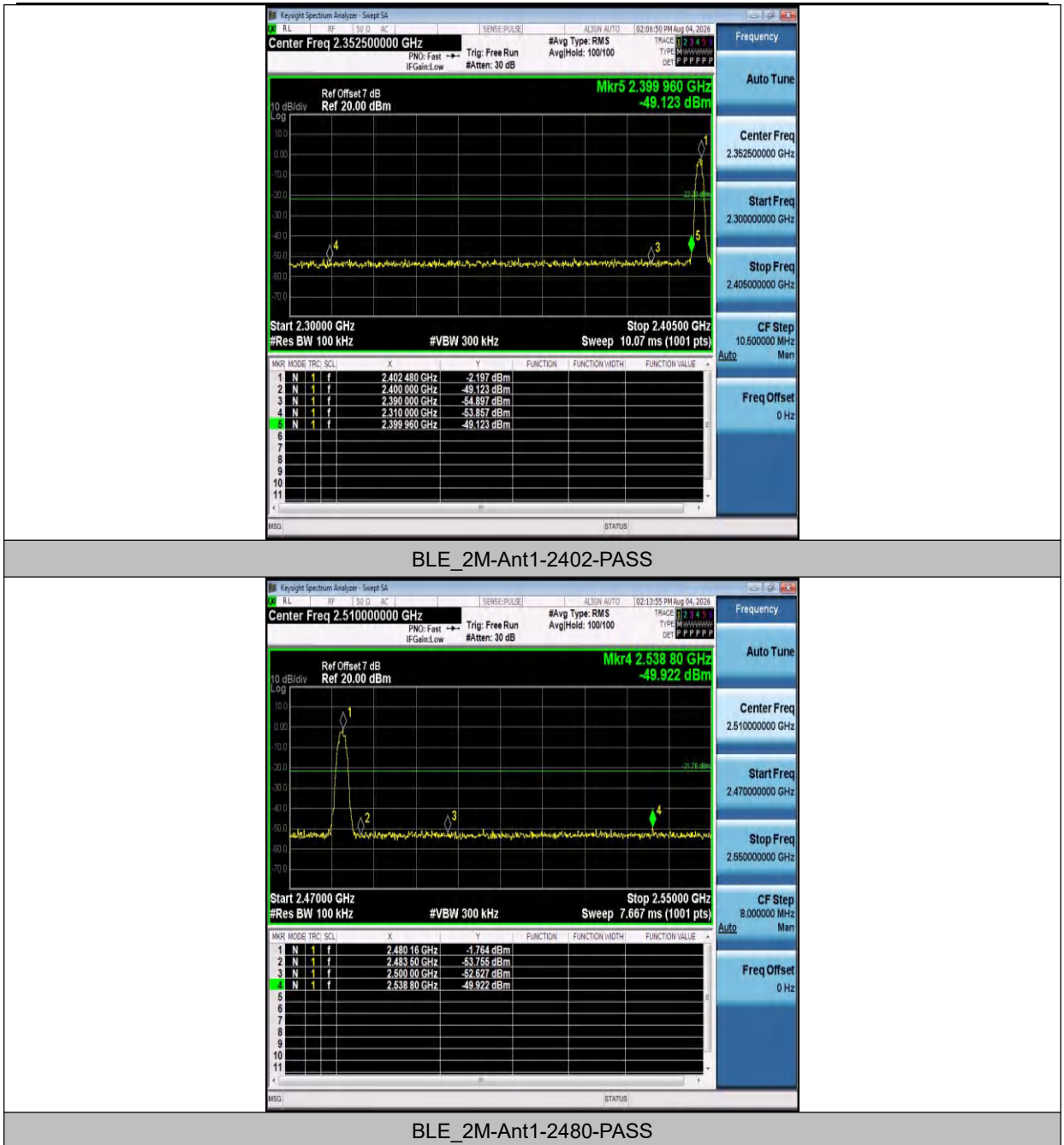
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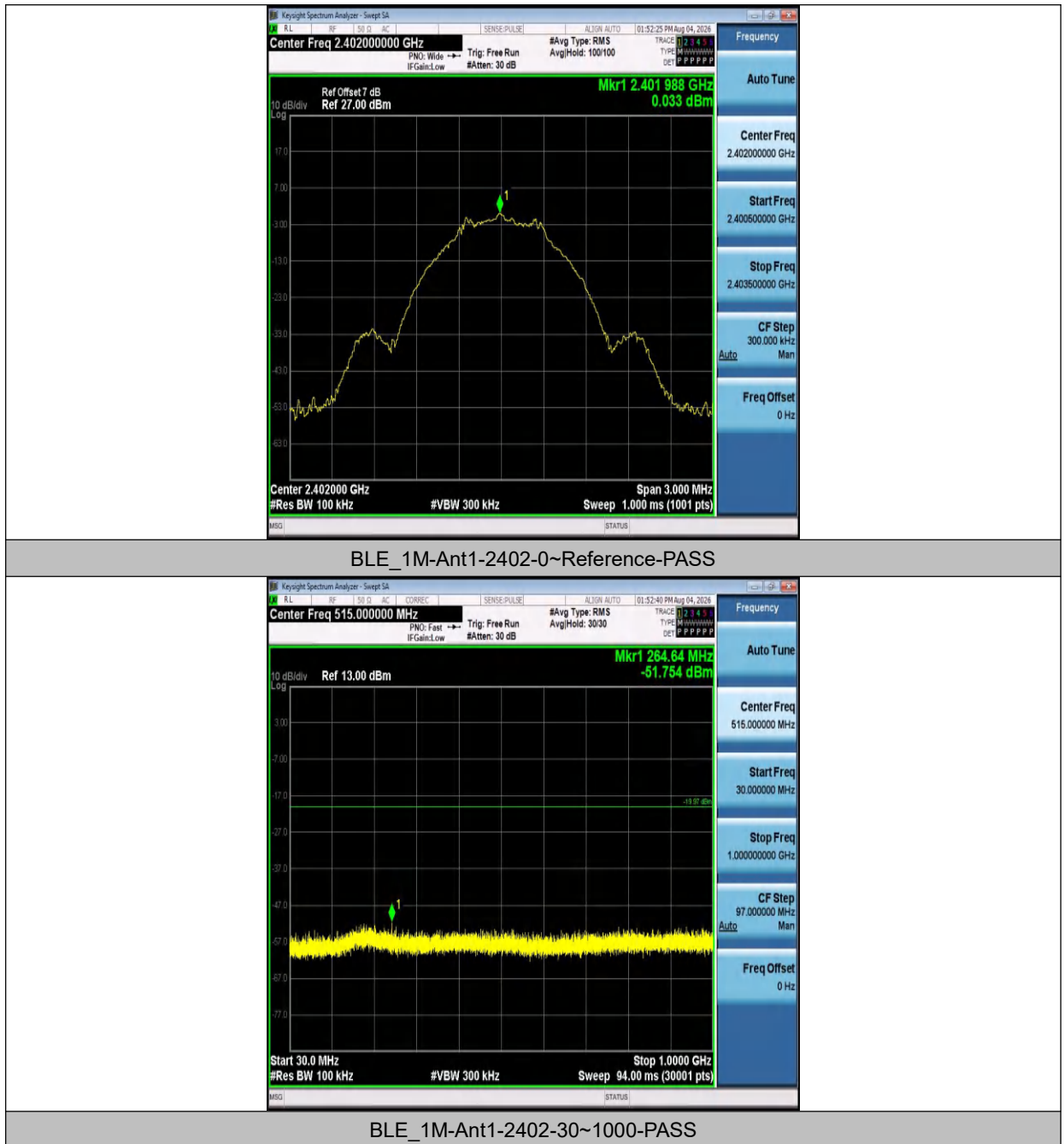
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.03	0.03	---	PASS
BLE_1M	Ant1	2402	30~1000	0.03	-51.75	≤-19.97	PASS
BLE_1M	Ant1	2402	1000~26500	0.03	-37.29	≤-19.97	PASS
BLE_1M	Ant1	2440	0~Reference	-0.35	-0.35	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.35	-51.73	≤-20.35	PASS
BLE_1M	Ant1	2440	1000~26500	-0.35	-37.06	≤-20.35	PASS
BLE_1M	Ant1	2480	0~Reference	1.11	1.11	---	PASS
BLE_1M	Ant1	2480	30~1000	1.11	-51.88	≤-18.89	PASS
BLE_1M	Ant1	2480	1000~26500	1.11	-36.55	≤-18.89	PASS
BLE_2M	Ant1	2402	0~Reference	-0.94	-0.94	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.94	-51.71	≤-20.94	PASS
BLE_2M	Ant1	2402	1000~26500	-0.94	-36.6	≤-20.94	PASS
BLE_2M	Ant1	2440	0~Reference	1.14	1.14	---	PASS
BLE_2M	Ant1	2440	30~1000	1.14	-50.15	≤-18.86	PASS
BLE_2M	Ant1	2440	1000~26500	1.14	-36.29	≤-18.86	PASS
BLE_2M	Ant1	2480	0~Reference	1.02	1.02	---	PASS
BLE_2M	Ant1	2480	30~1000	1.02	-51.26	≤-18.98	PASS
BLE_2M	Ant1	2480	1000~26500	1.02	-36.67	≤-18.98	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.

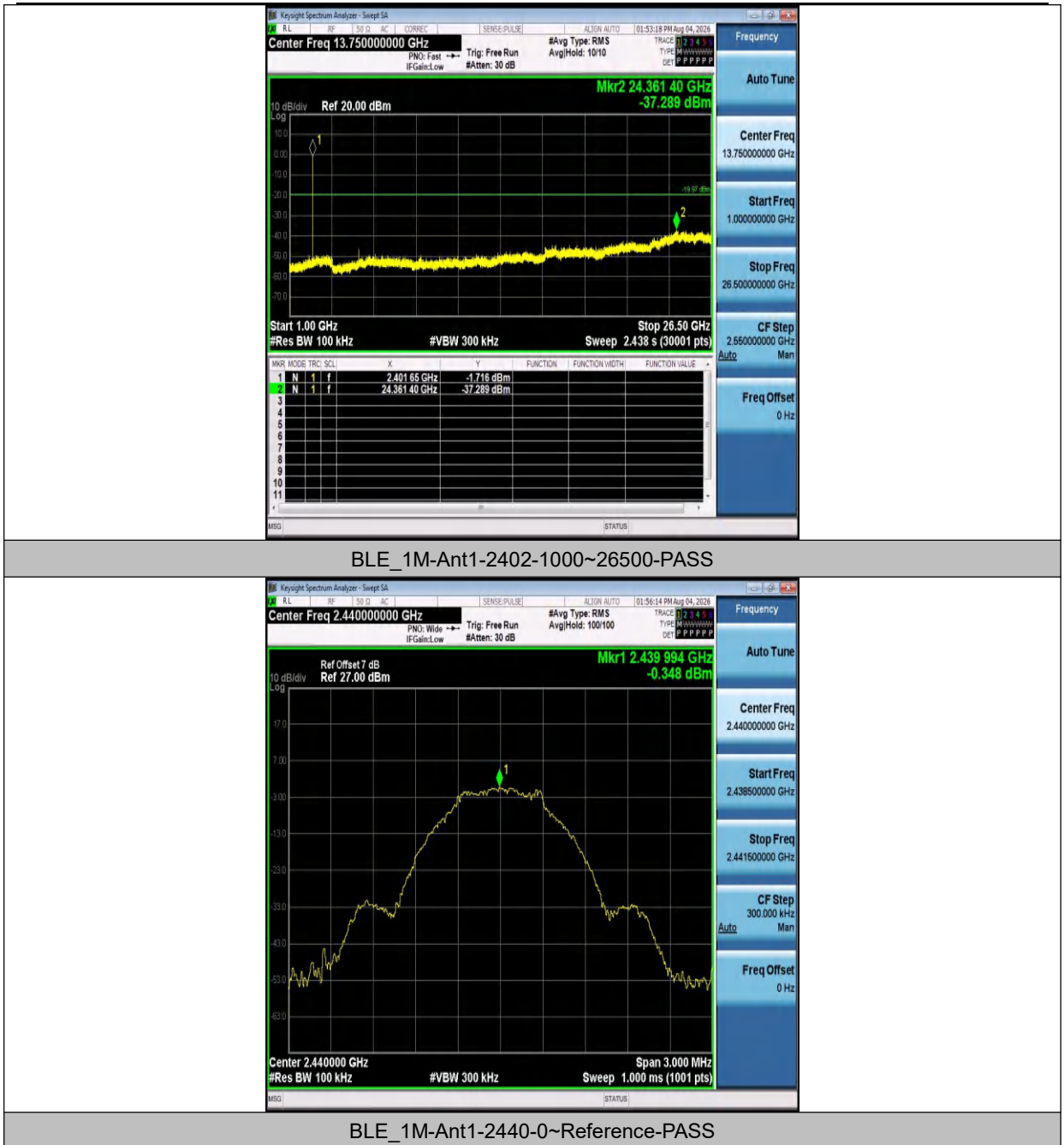
Test Graphs



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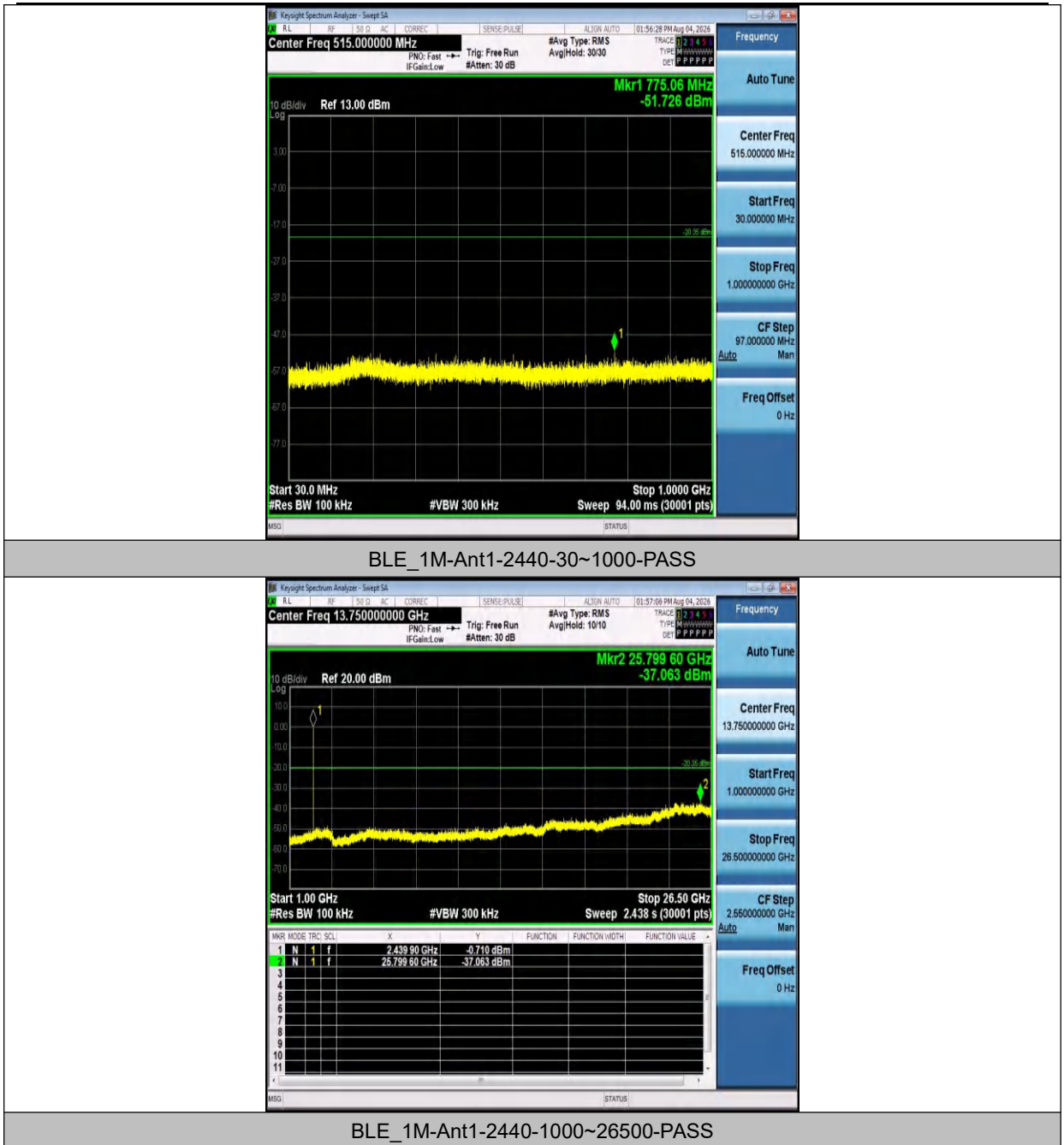
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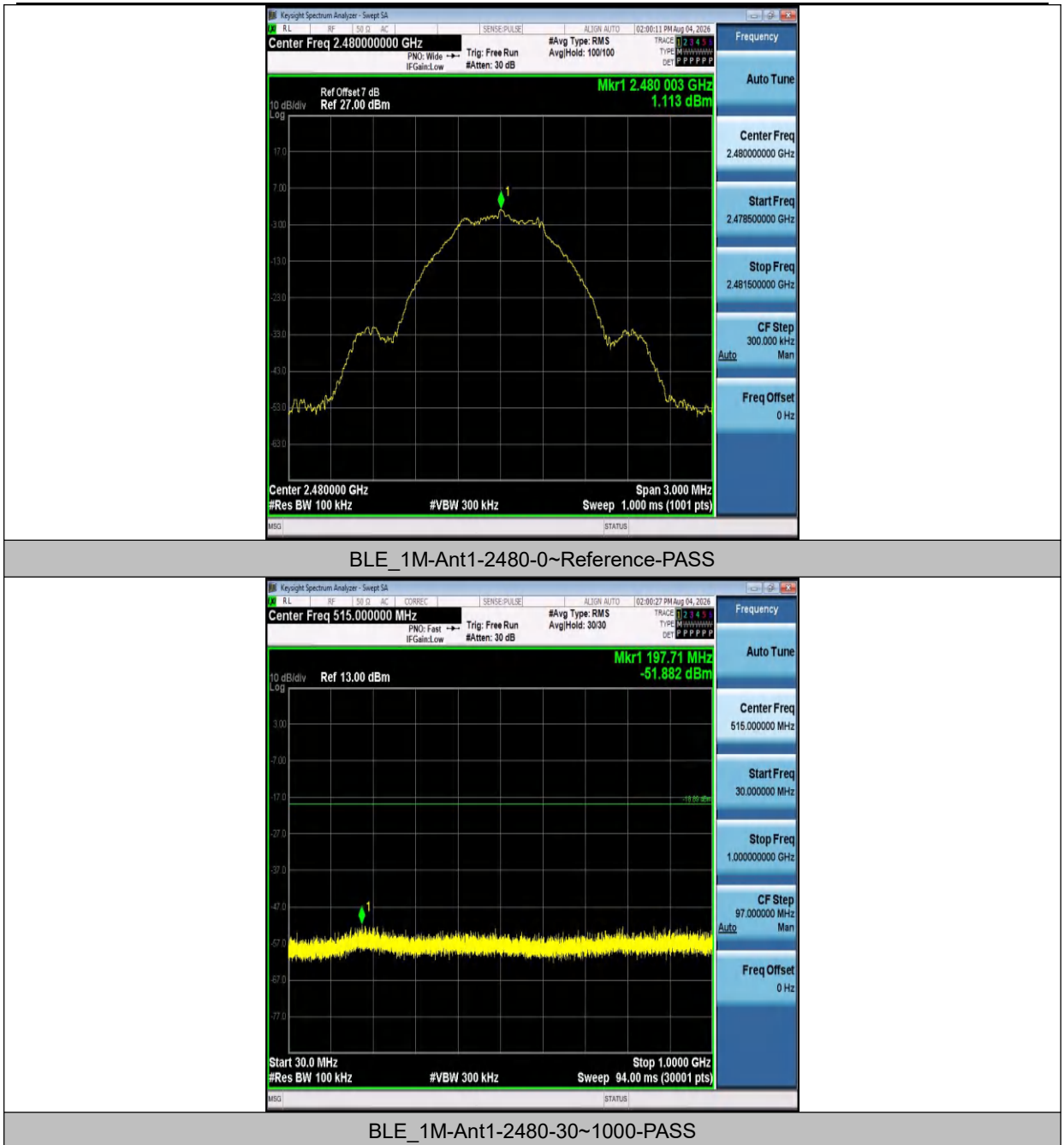
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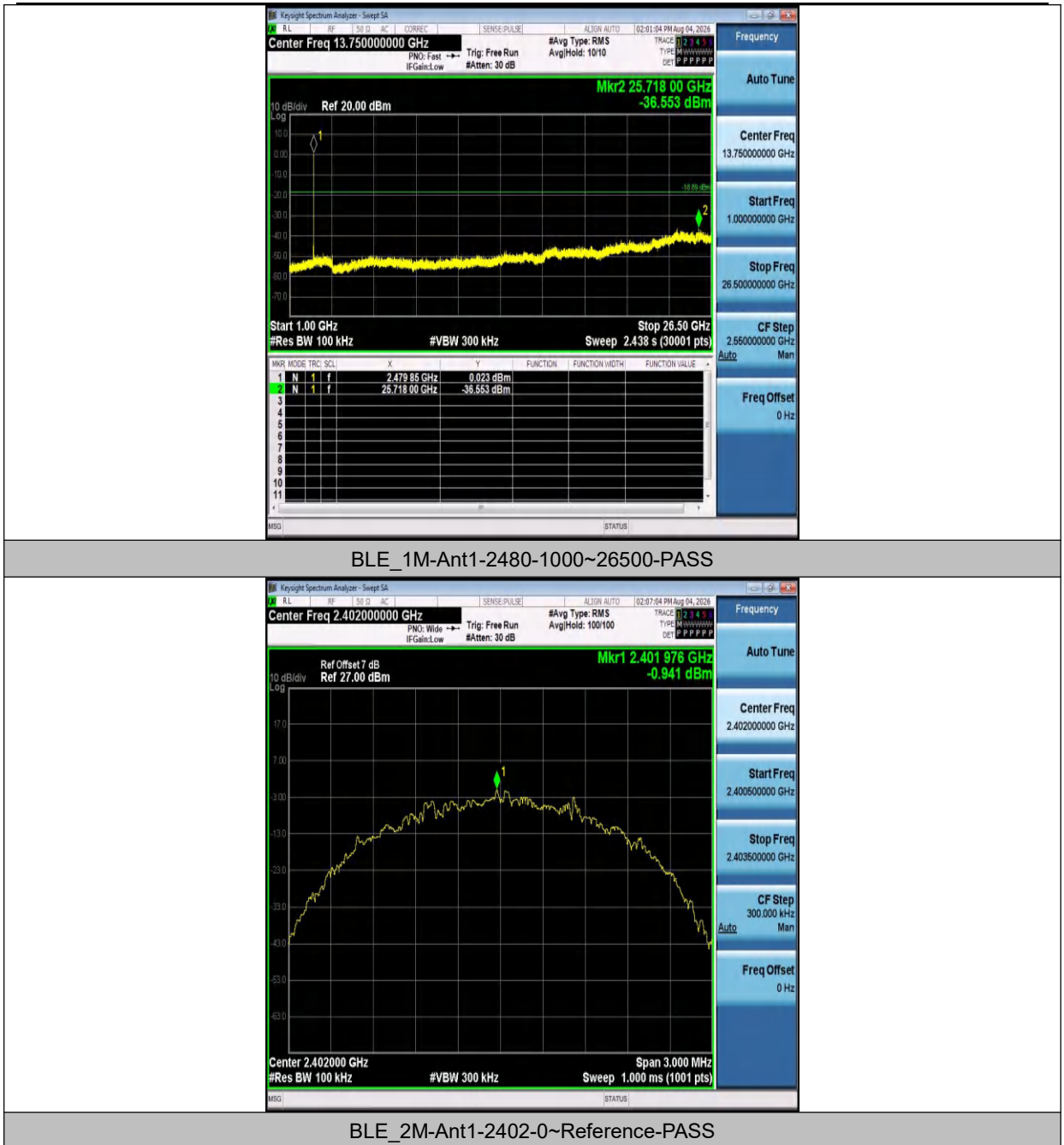
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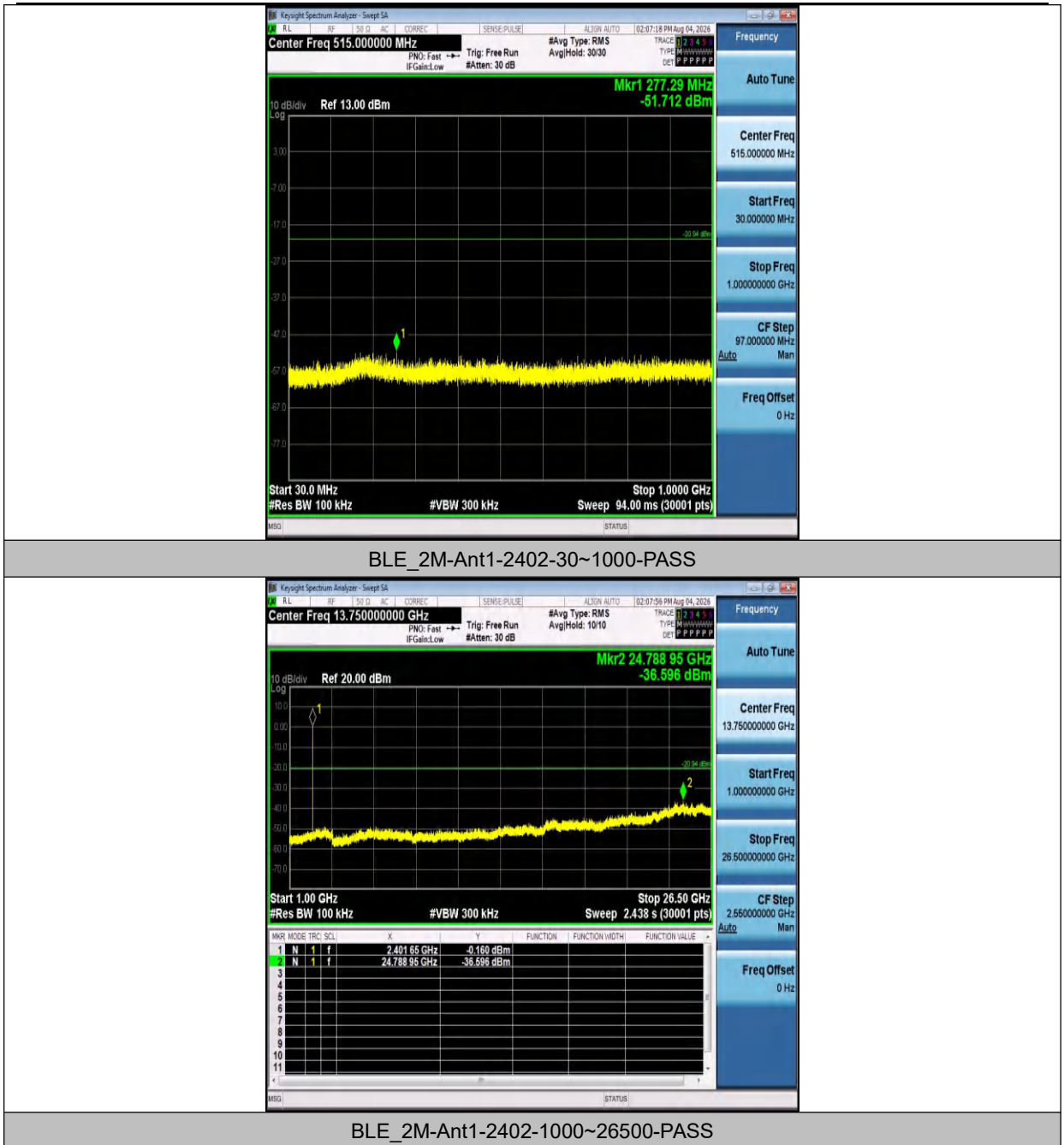
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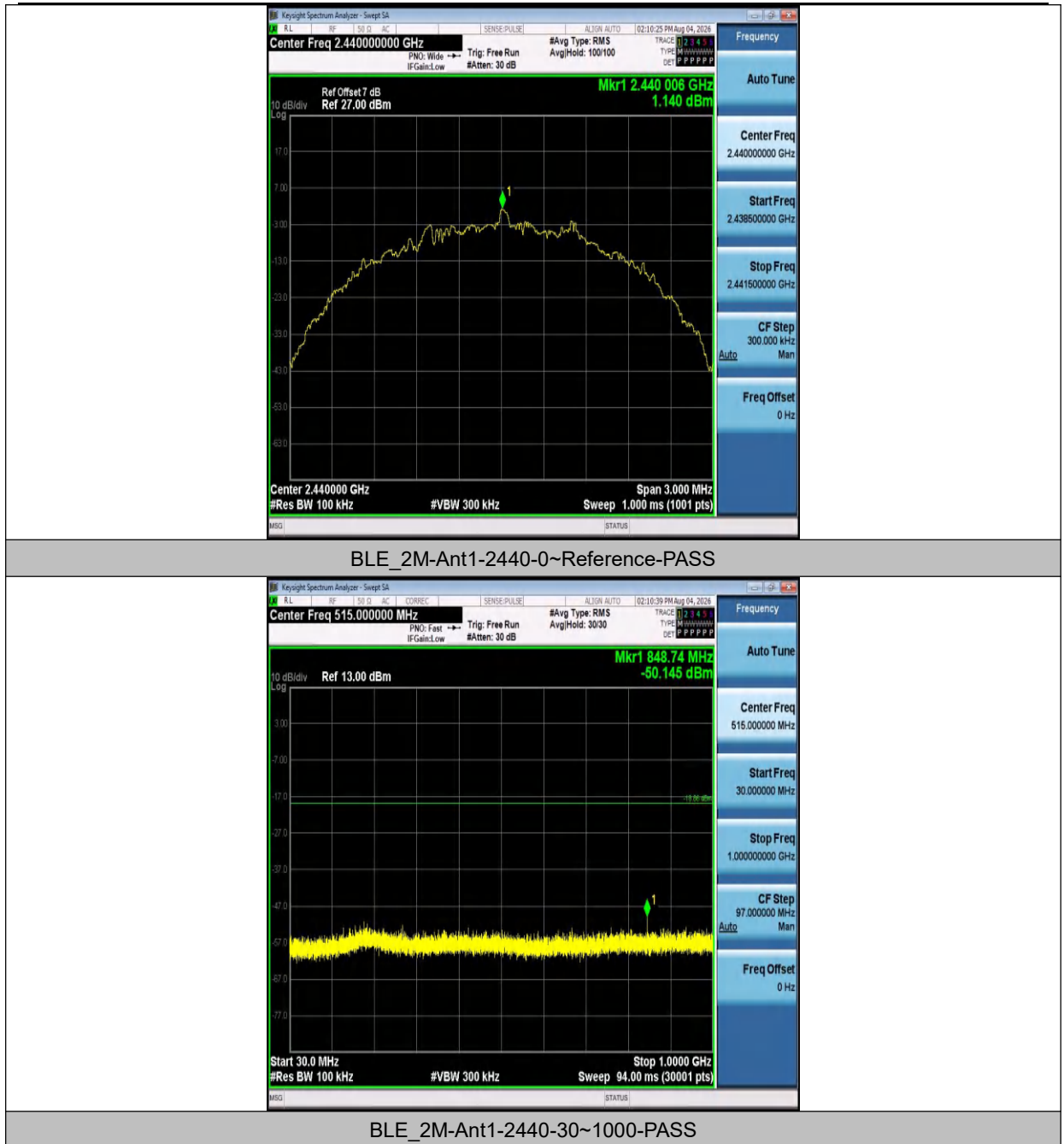
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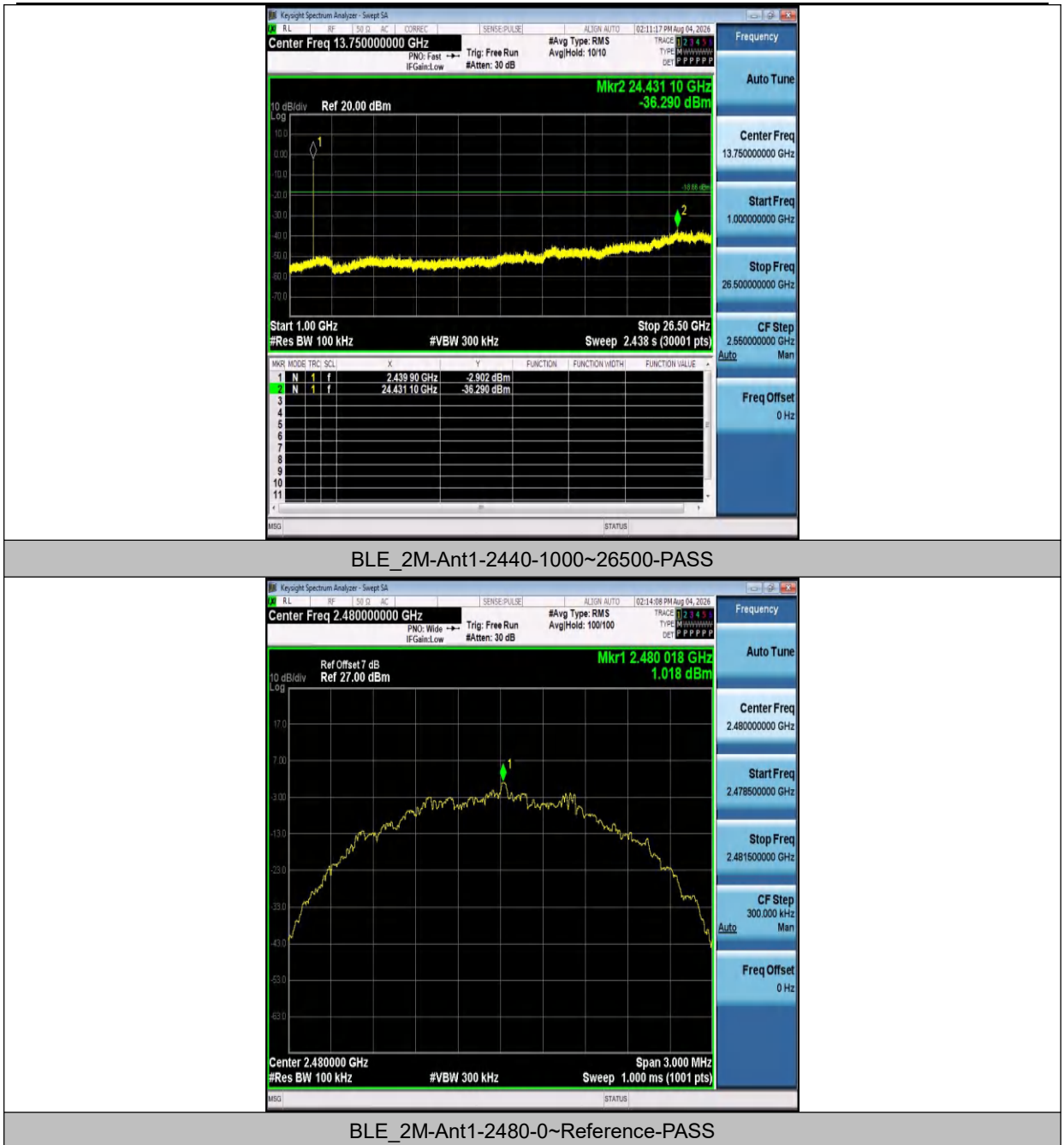
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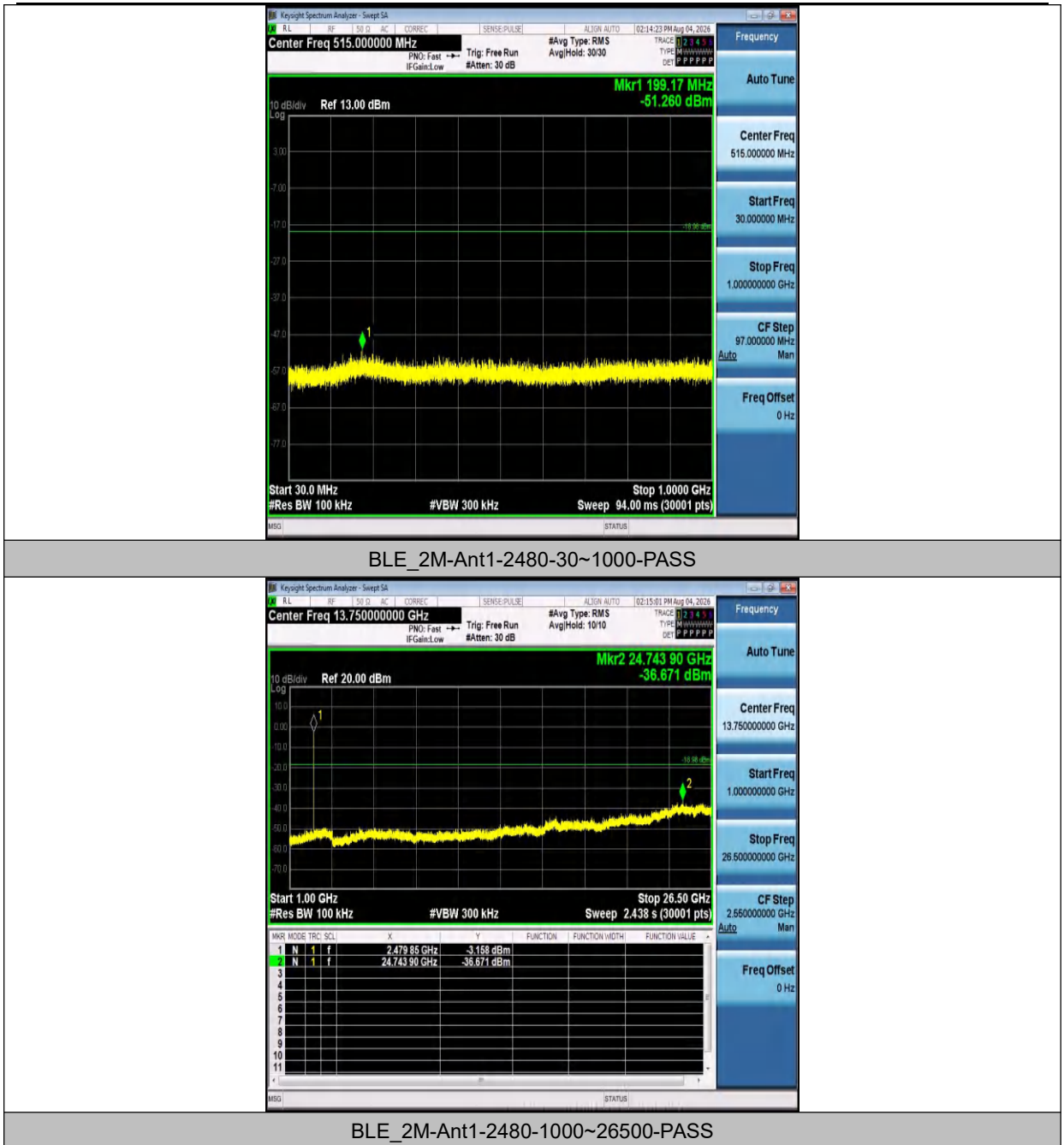
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2440	2.08	2.49	83.53	0.78
BLE_1M	Ant1	2480	2.08	2.49	83.53	0.78
BLE_2M	Ant1	2402	1.05	1.88	55.85	2.53
BLE_2M	Ant1	2440	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2480	1.07	1.88	56.91	2.45

Test Graphs



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