

Appendix Test Data

Report No.:	1812C60281412502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-5-21	Finish Test Date:	2026-6-15
Test Engineer:	Huise Guan	Auditor:	Justin Feng
Temperature:	23.5°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	0.668	2401.688	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.692	2440.348	0.5	PASS
BLE_1M	Ant1	2480	0.712	2479.660	2480.372	0.5	PASS
BLE_2M	Ant1	2402	1.396	2401.332	2402.728	0.5	PASS
BLE_2M	Ant1	2440	1.332	2439.372	2440.704	0.5	PASS
BLE_2M	Ant1	2480	1.228	2479.360	2480.588	0.5	PASS

Test Graphs



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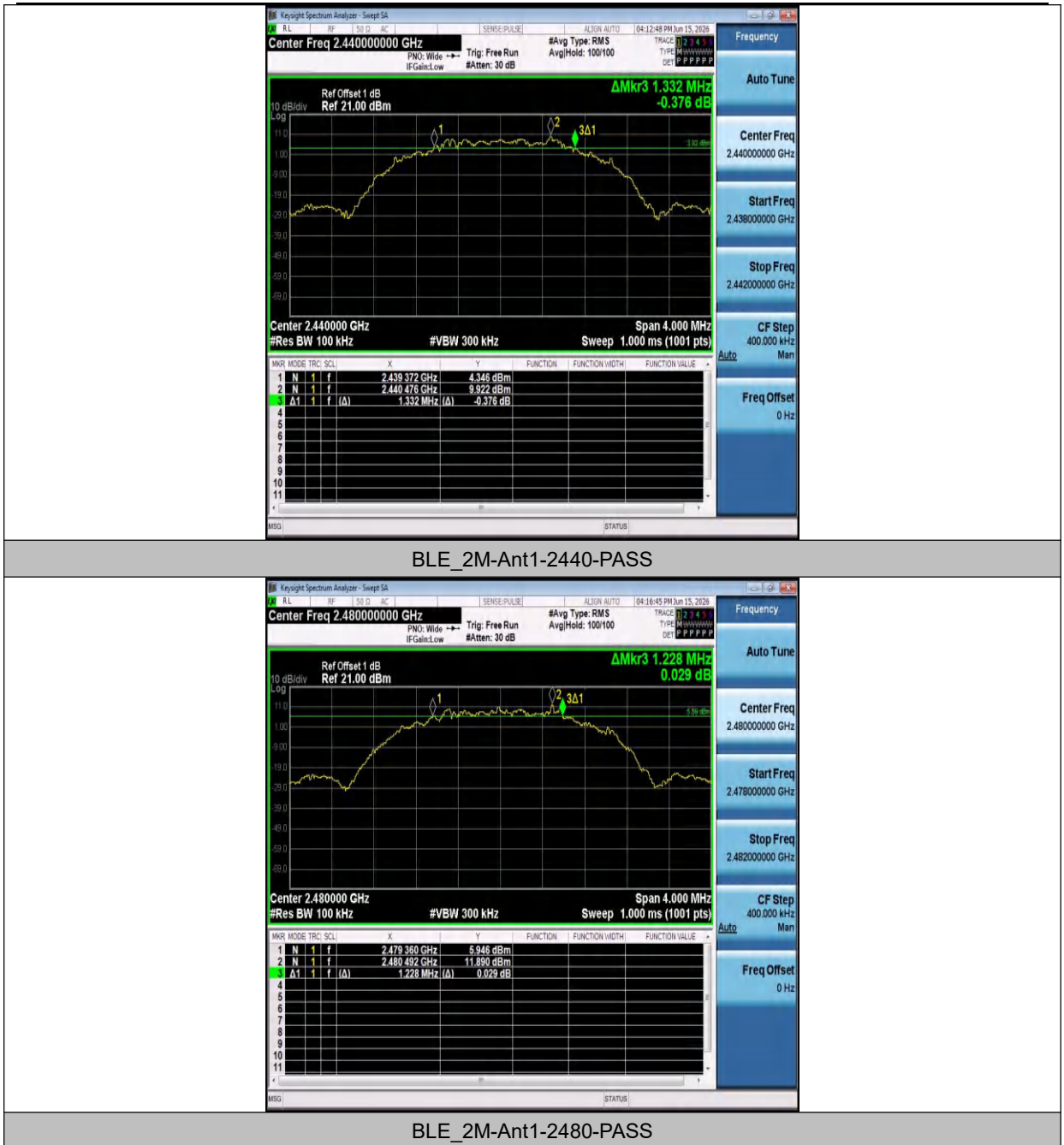
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0553	2401.5029	2402.5582	---	---
BLE_1M	Ant1	2440	1.0513	2439.4995	2440.5508	---	---
BLE_1M	Ant1	2480	1.0597	2479.4869	2480.5466	---	---
BLE_2M	Ant1	2402	2.0997	2400.9912	2403.0909	---	---
BLE_2M	Ant1	2440	2.1063	2438.9832	2441.0895	---	---
BLE_2M	Ant1	2480	2.1020	2478.9795	2481.0815	---	---

Test Graphs



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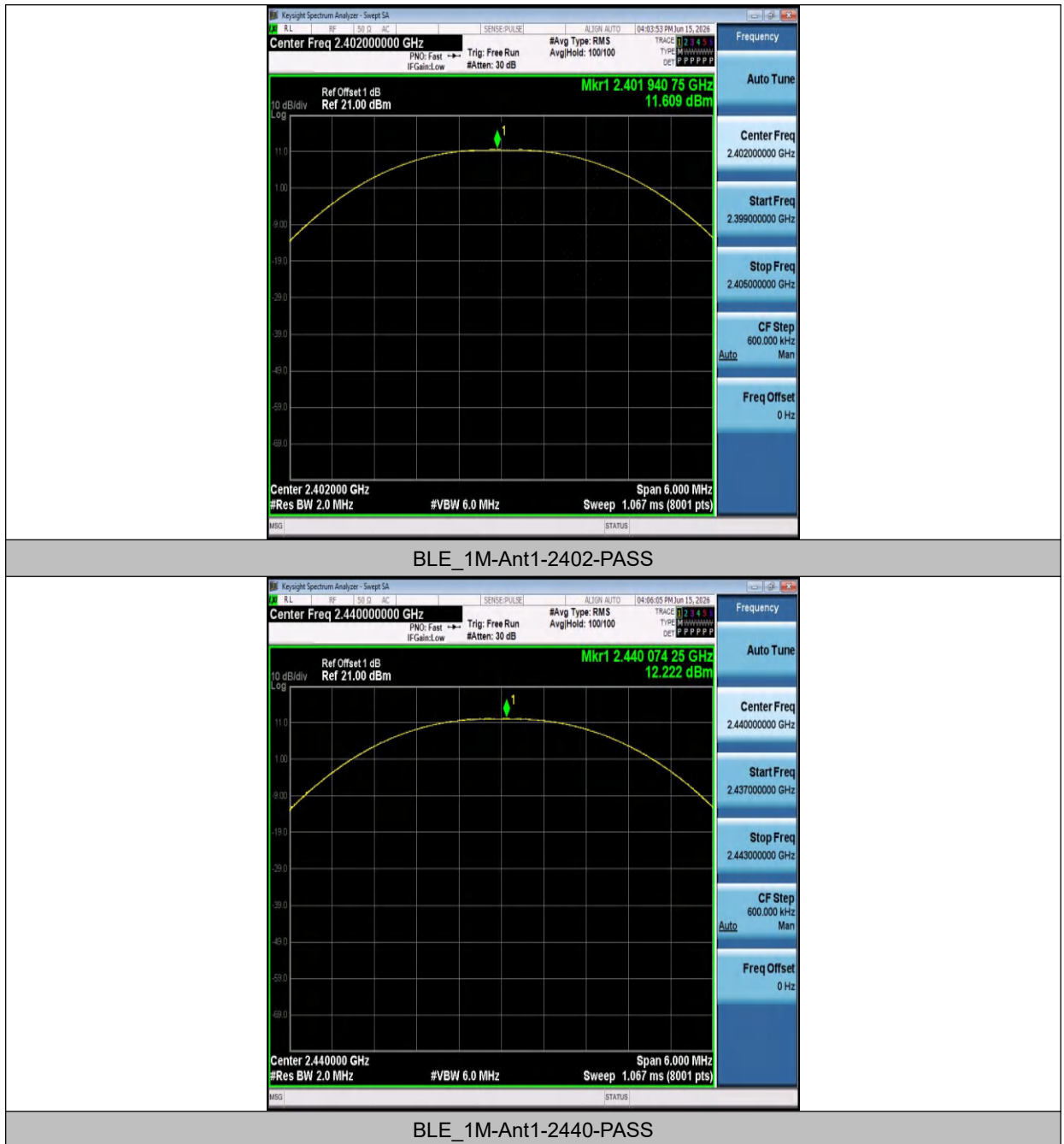
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	11.61	≤30	PASS
BLE_1M	Ant1	2440	12.22	≤30	PASS
BLE_1M	Ant1	2480	13.11	≤30	PASS
BLE_2M	Ant1	2402	11.91	≤30	PASS
BLE_2M	Ant1	2440	12.52	≤30	PASS
BLE_2M	Ant1	2480	13.46	≤30	PASS

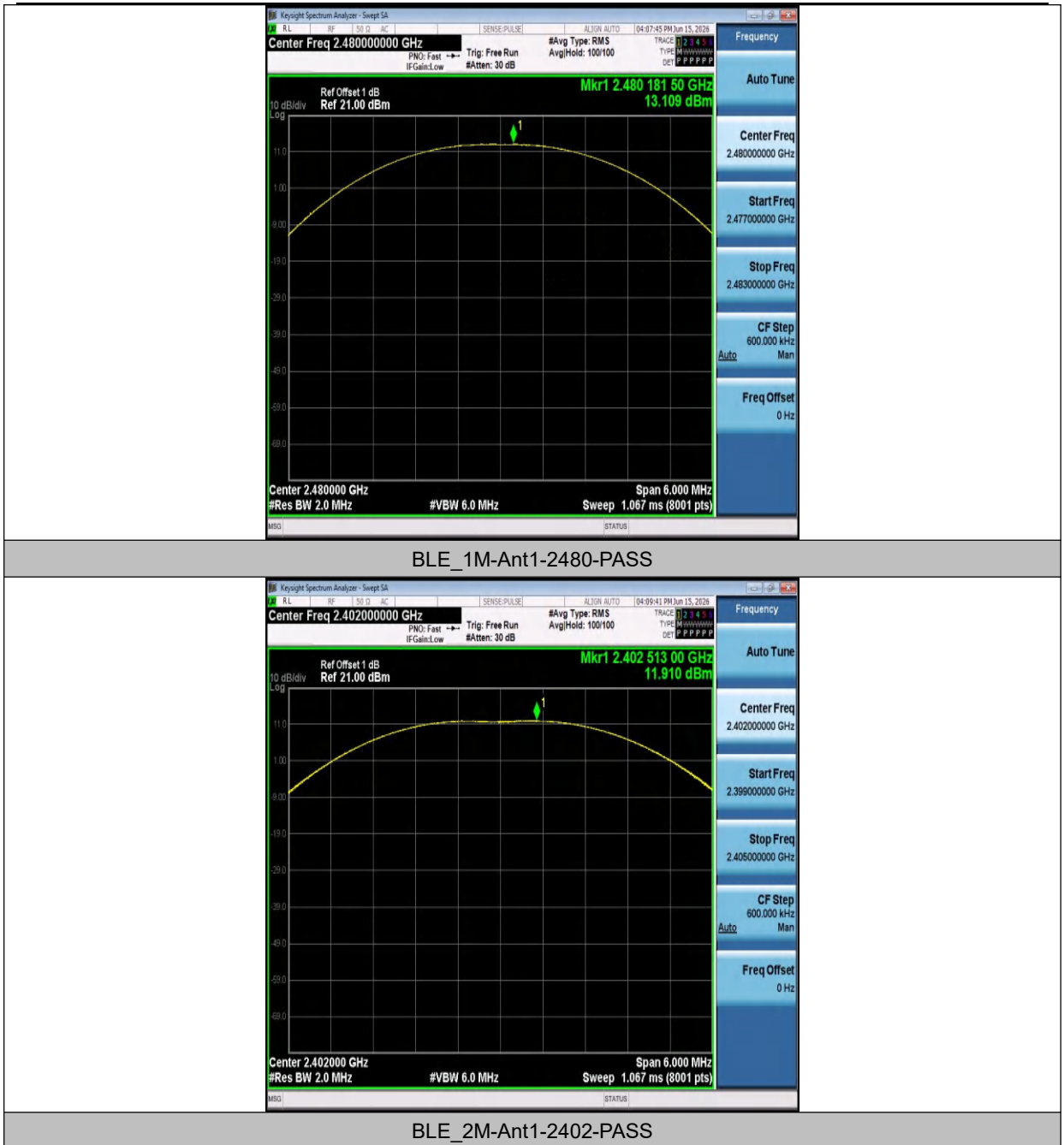
Test Graphs Peak



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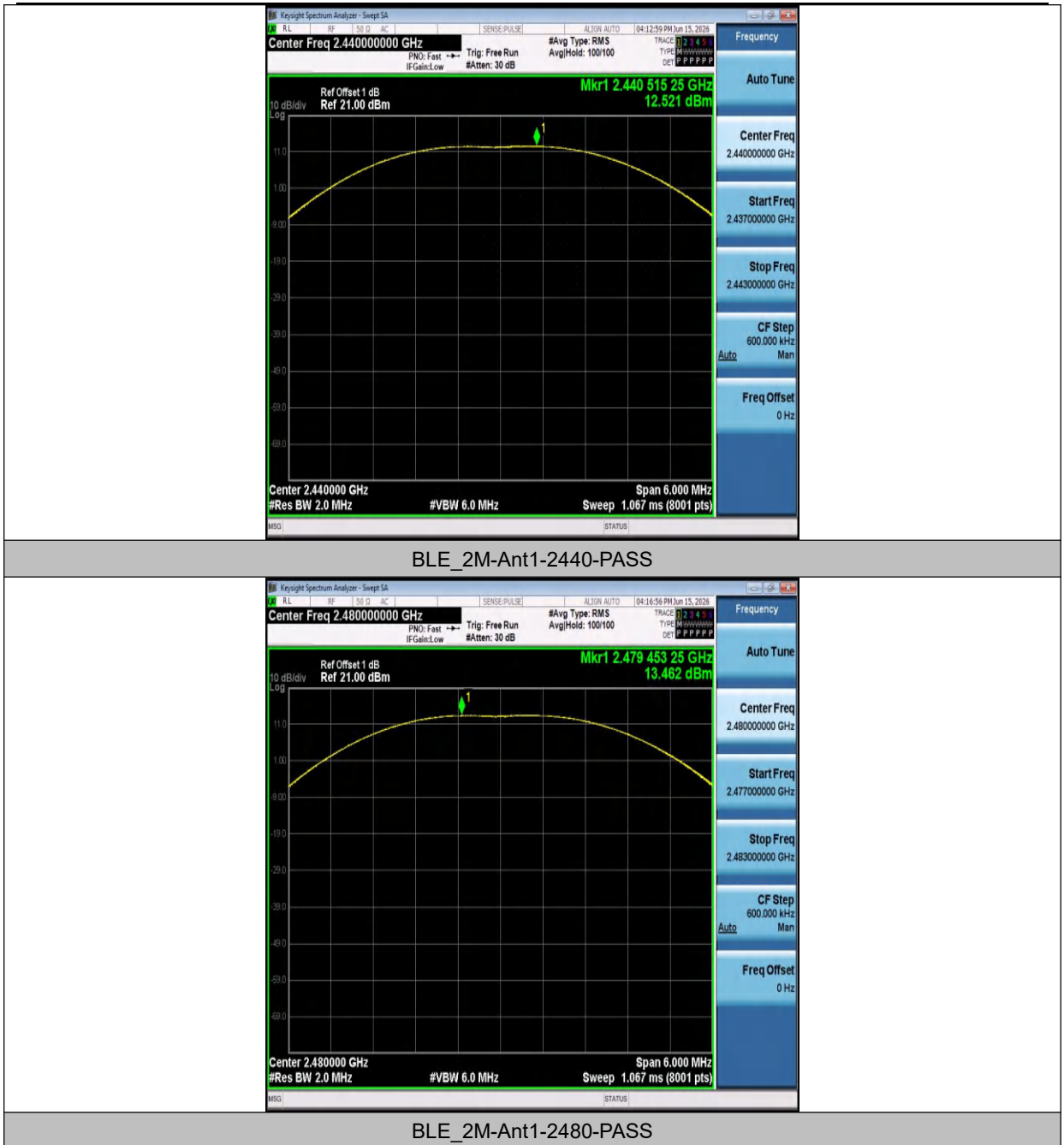
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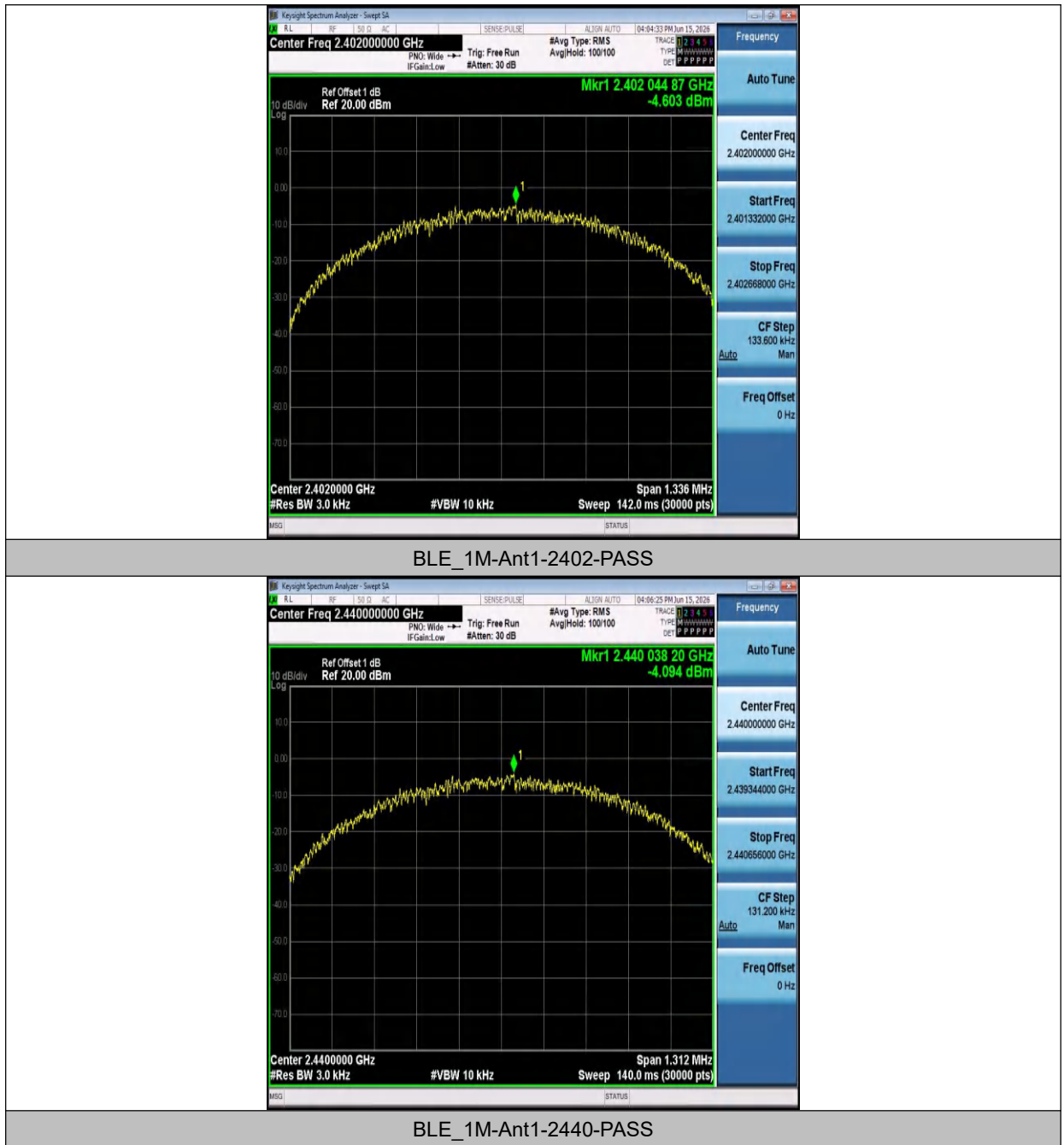
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.60	≤8.00	PASS
BLE_1M	Ant1	2440	-4.09	≤8.00	PASS
BLE_1M	Ant1	2480	-3.29	≤8.00	PASS
BLE_2M	Ant1	2402	-8.22	≤8.00	PASS
BLE_2M	Ant1	2440	-7.78	≤8.00	PASS
BLE_2M	Ant1	2480	-6.70	≤8.00	PASS

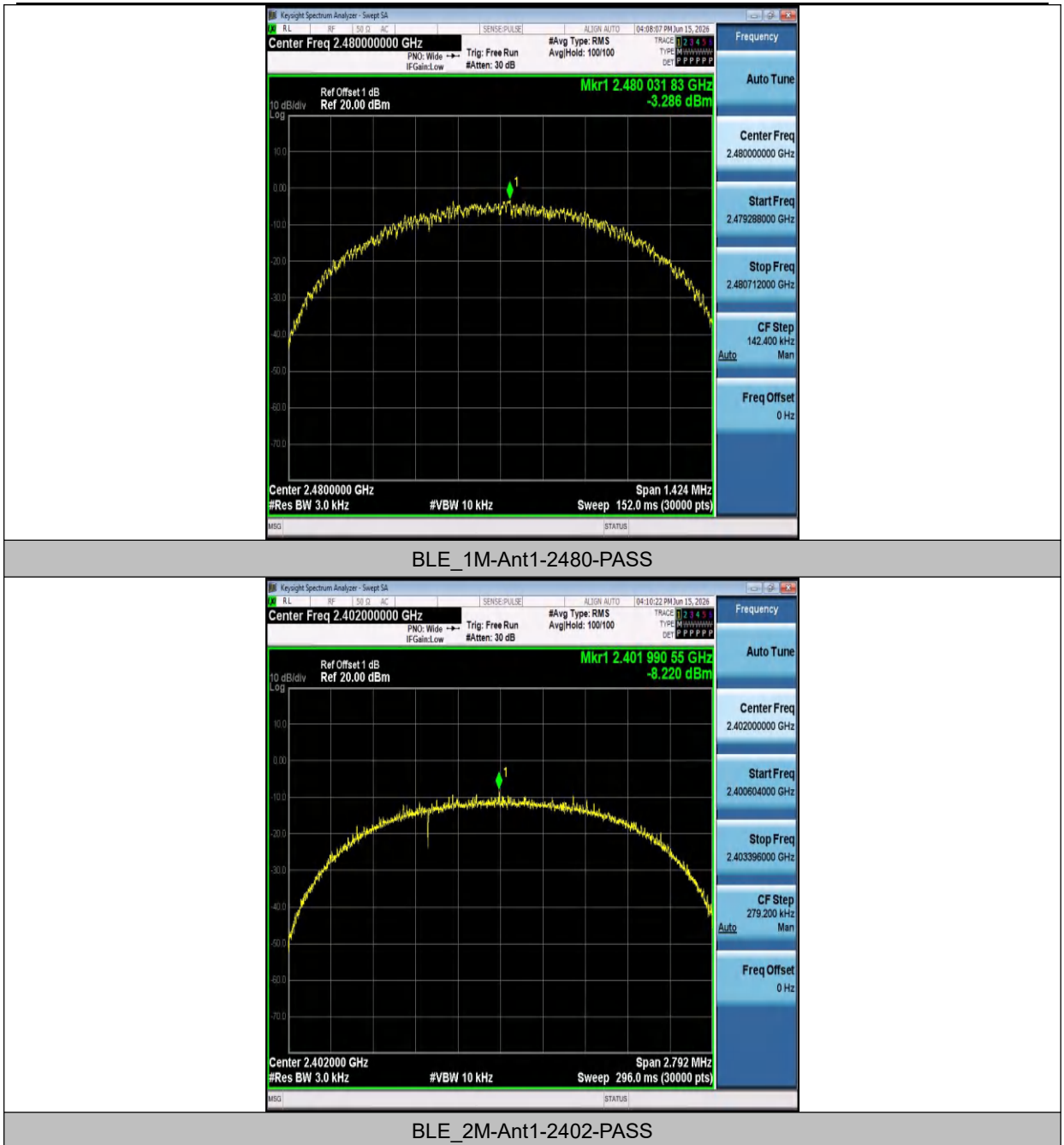
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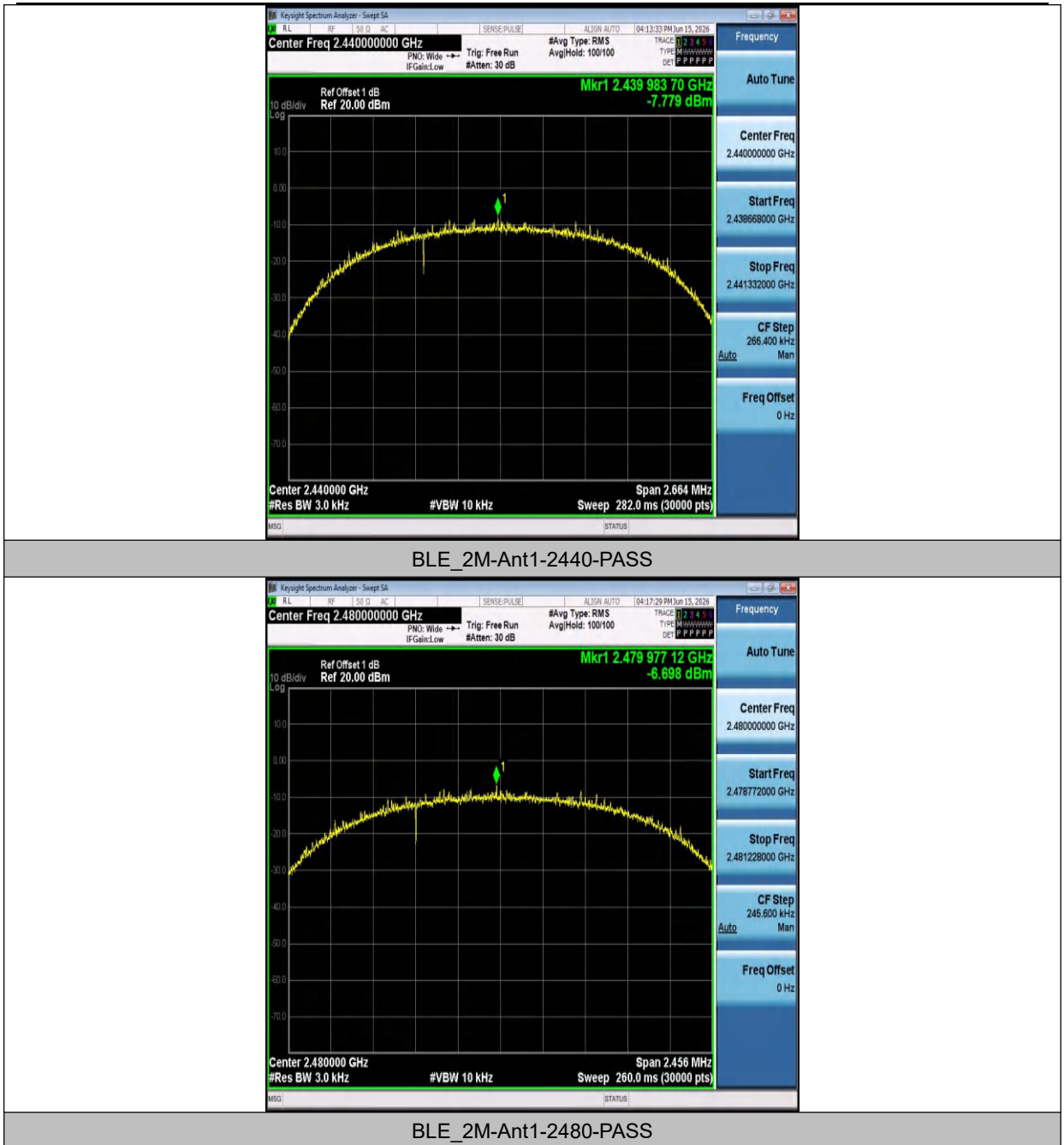
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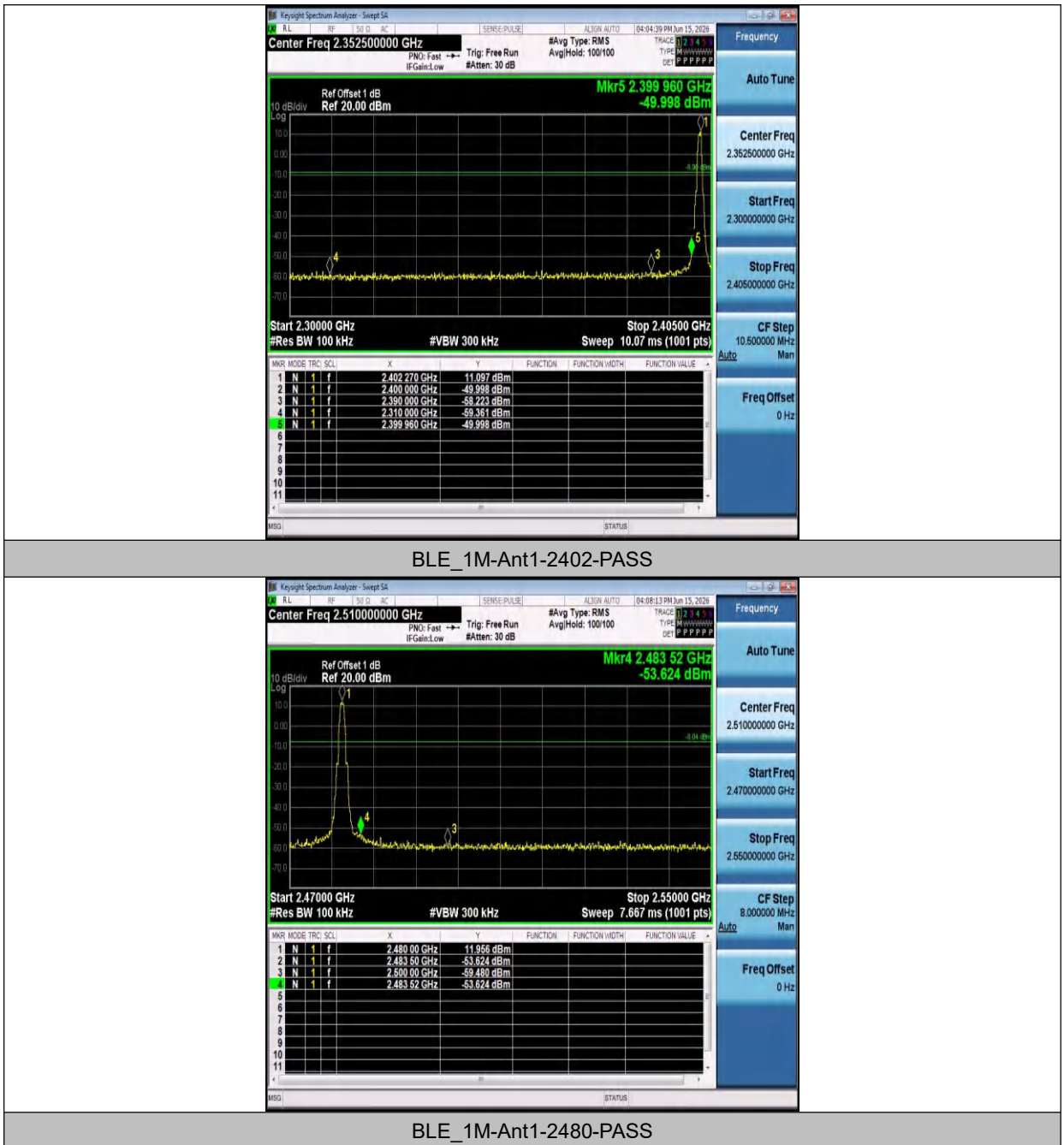
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	11.10	-50	≤-8.9	PASS
BLE_1M	Ant1	High	2480	11.96	-53.62	≤-8.04	PASS
BLE_2M	Ant1	Low	2402	8.08	-28.92	≤-11.92	PASS
BLE_2M	Ant1	High	2480	11.98	-54.43	≤-8.02	PASS

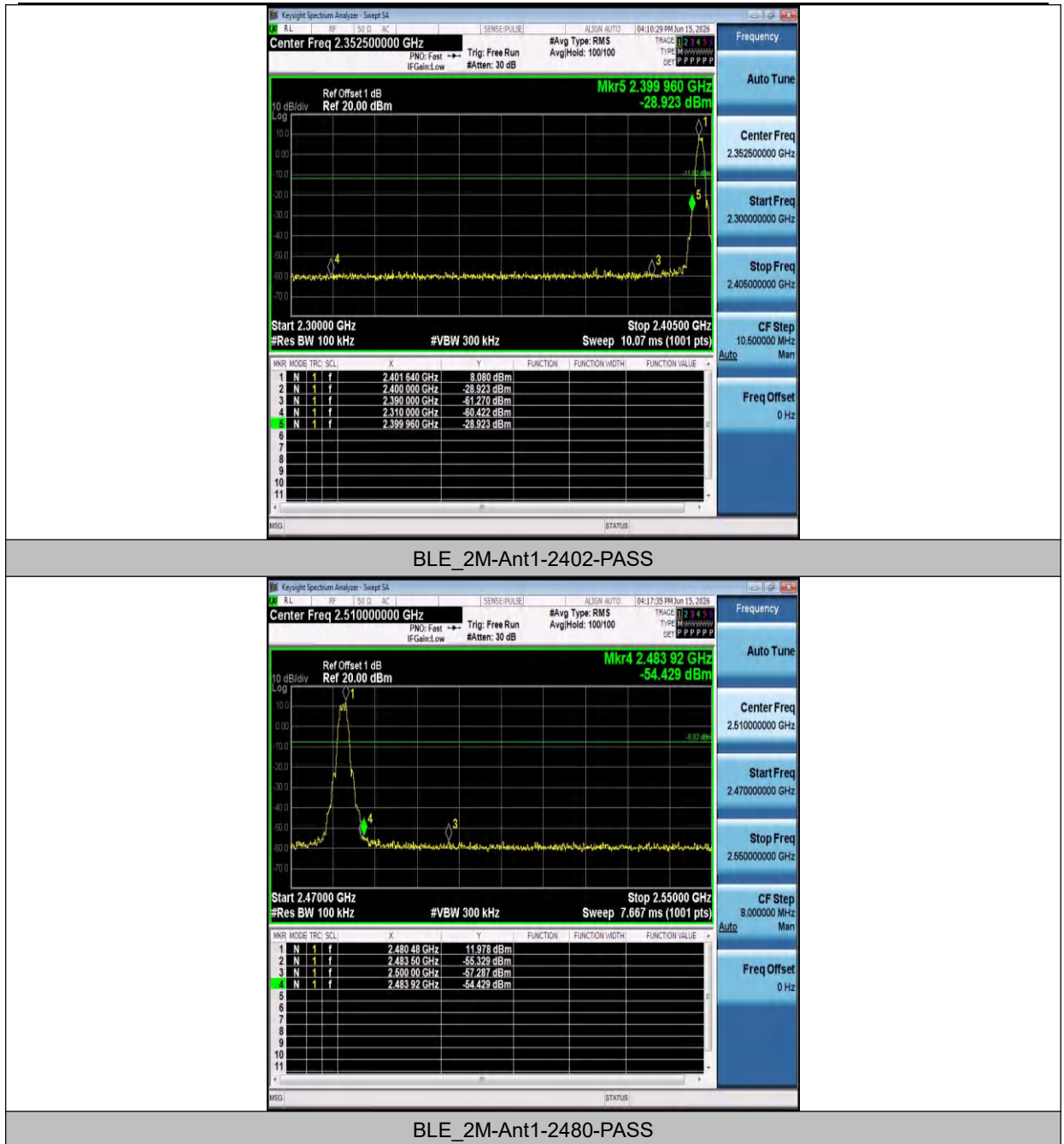
Test Graphs



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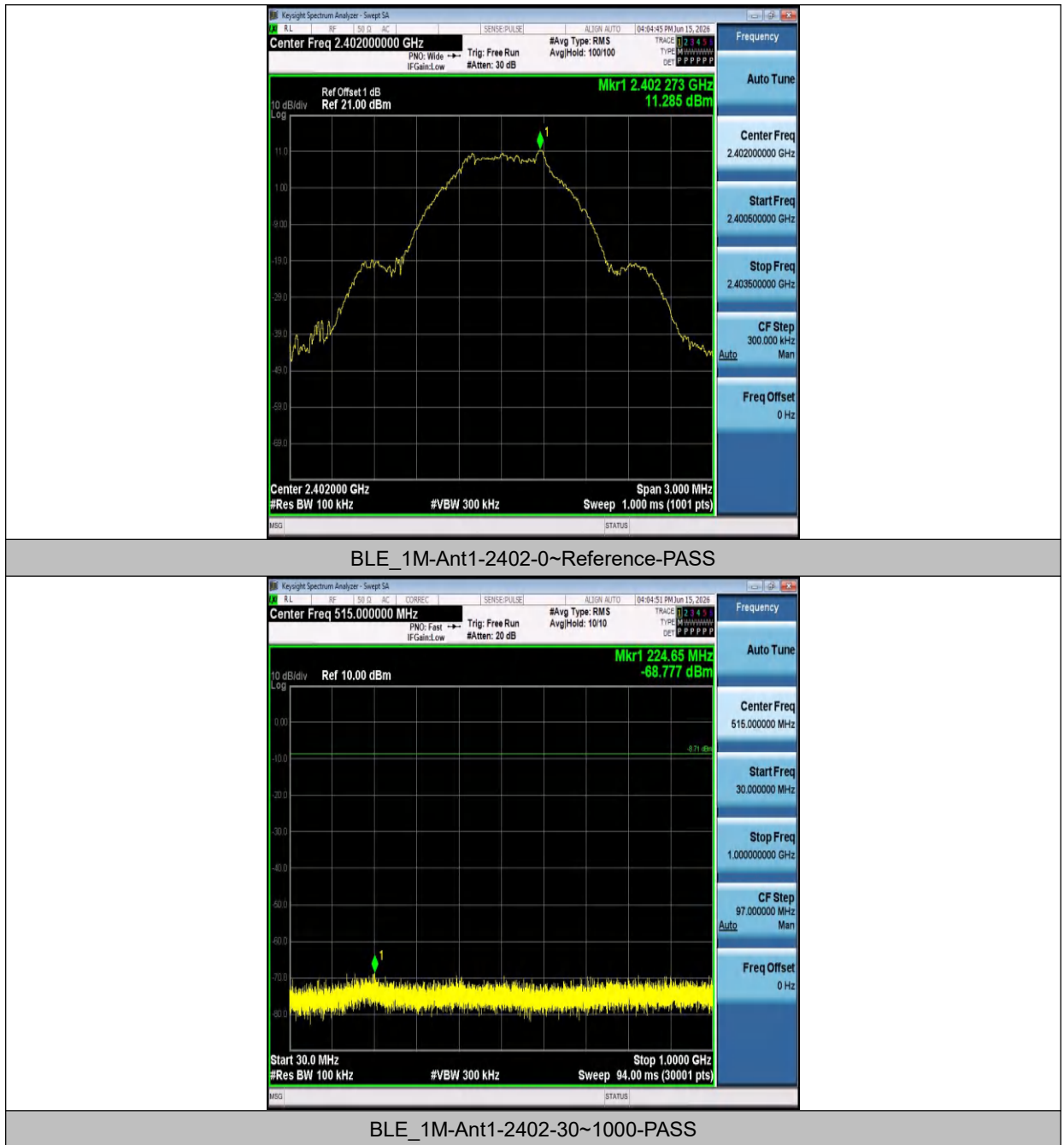
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	11.29	11.29	---	PASS
BLE_1M	Ant1	2402	30~1000	11.29	-68.78	≤-8.71	PASS
BLE_1M	Ant1	2402	1000~26500	11.29	-36.13	≤-8.71	PASS
BLE_1M	Ant1	2440	0~Reference	10.99	10.99	---	PASS
BLE_1M	Ant1	2440	30~1000	10.99	-68.36	≤-9.01	PASS
BLE_1M	Ant1	2440	1000~26500	10.99	-35.64	≤-9.01	PASS
BLE_1M	Ant1	2480	0~Reference	11.59	11.59	---	PASS
BLE_1M	Ant1	2480	30~1000	11.59	-68.3	≤-8.41	PASS
BLE_1M	Ant1	2480	1000~26500	11.59	-35.47	≤-8.41	PASS
BLE_2M	Ant1	2402	0~Reference	9.80	9.80	---	PASS
BLE_2M	Ant1	2402	30~1000	9.80	-49.55	≤-10.2	PASS
BLE_2M	Ant1	2402	1000~26500	9.80	-36.03	≤-10.2	PASS
BLE_2M	Ant1	2440	0~Reference	11.15	11.15	---	PASS
BLE_2M	Ant1	2440	30~1000	11.15	-68.59	≤-8.85	PASS
BLE_2M	Ant1	2440	1000~26500	11.15	-35.05	≤-8.85	PASS
BLE_2M	Ant1	2480	0~Reference	12.11	12.11	---	PASS
BLE_2M	Ant1	2480	30~1000	12.11	-68.15	≤-7.89	PASS
BLE_2M	Ant1	2480	1000~26500	12.11	-35.27	≤-7.89	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.

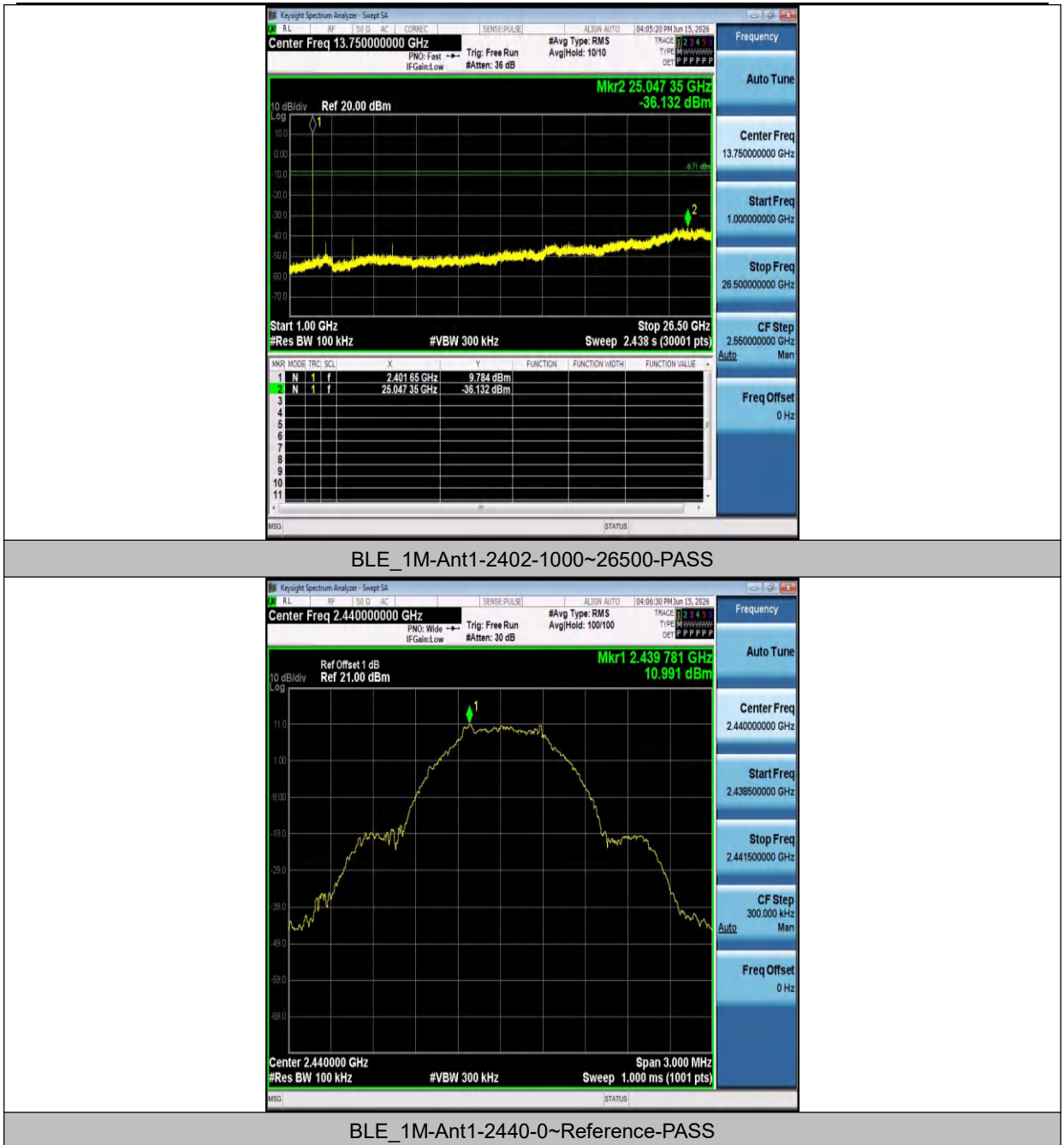
Test Graphs



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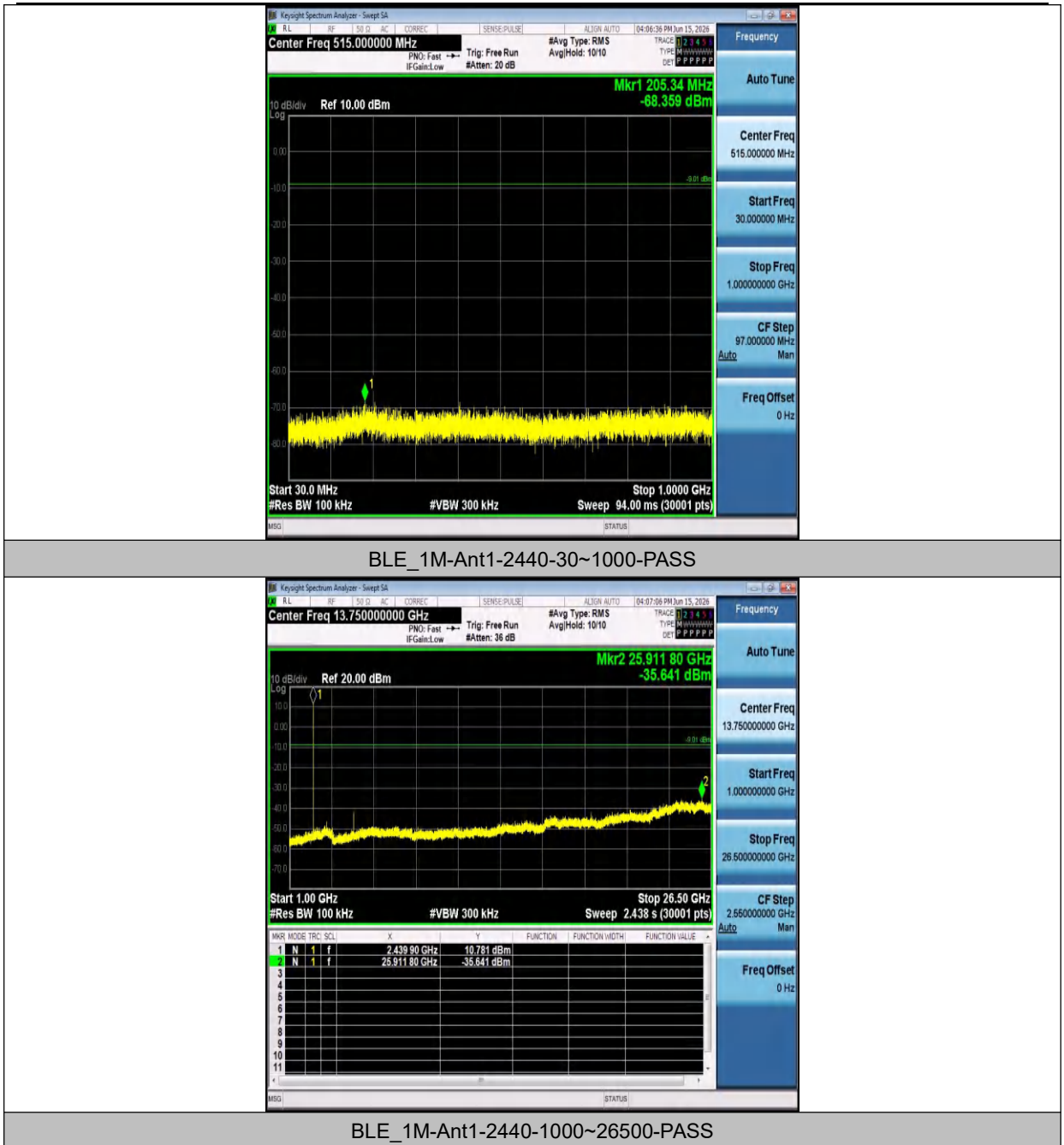
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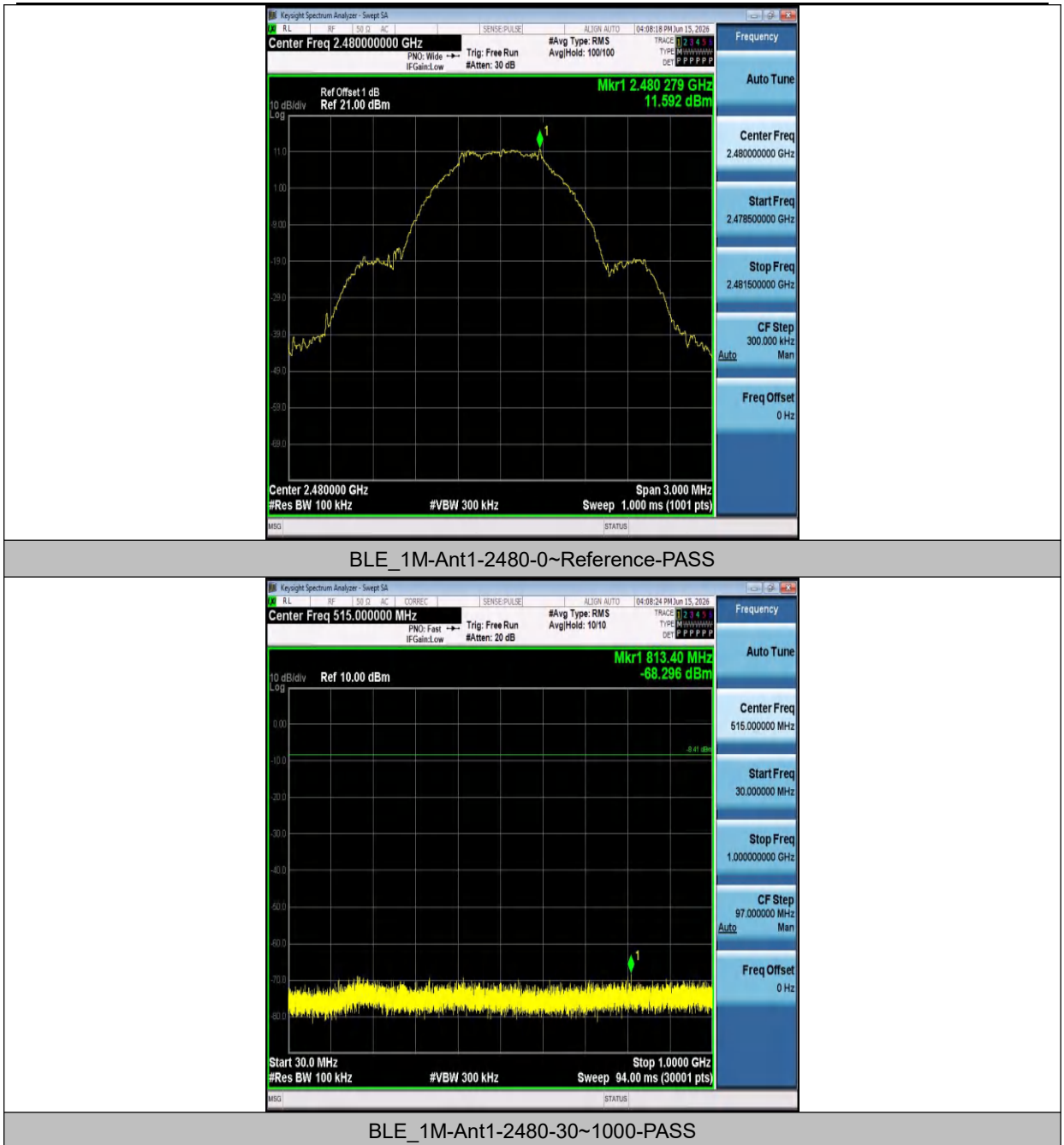
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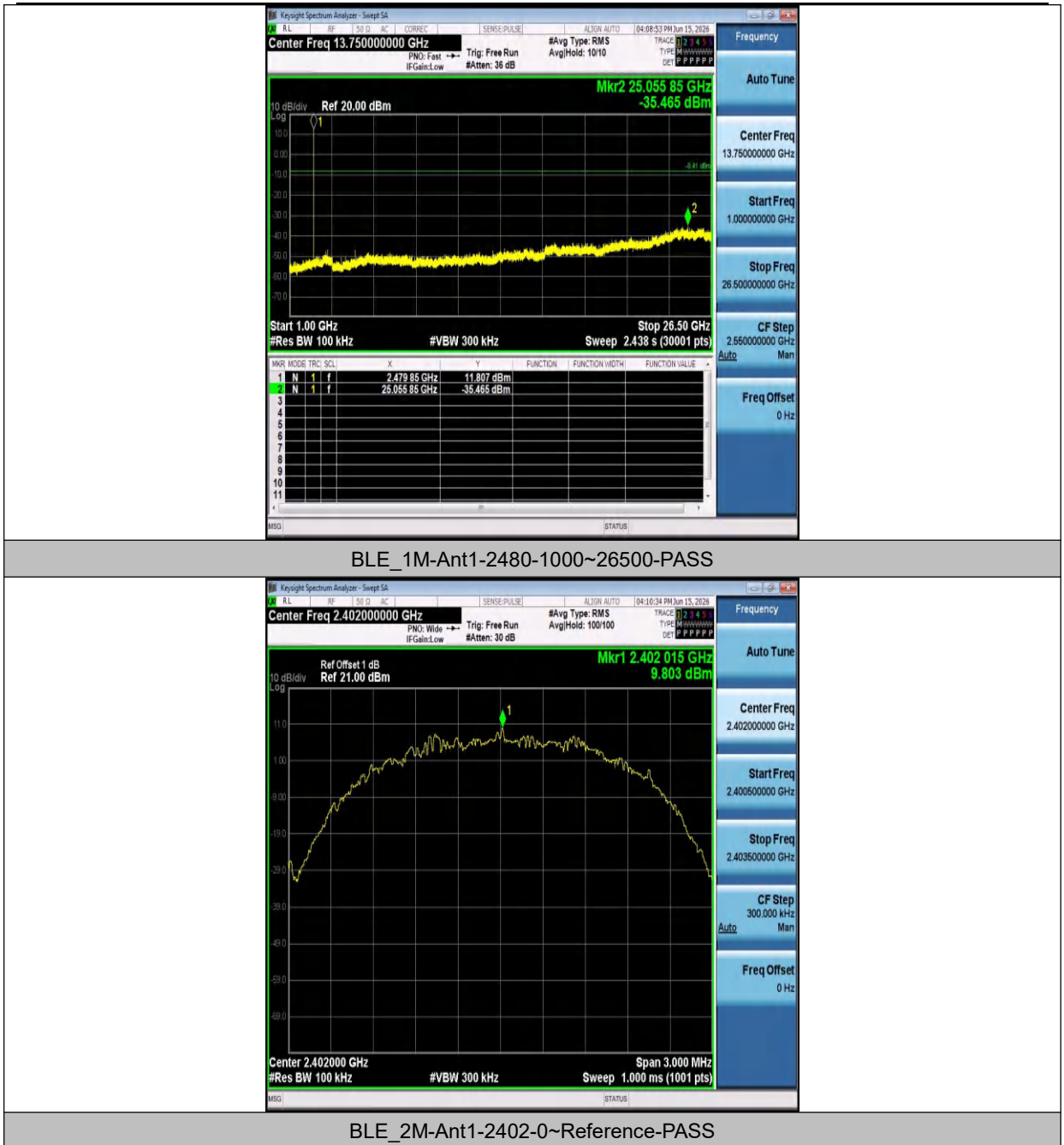
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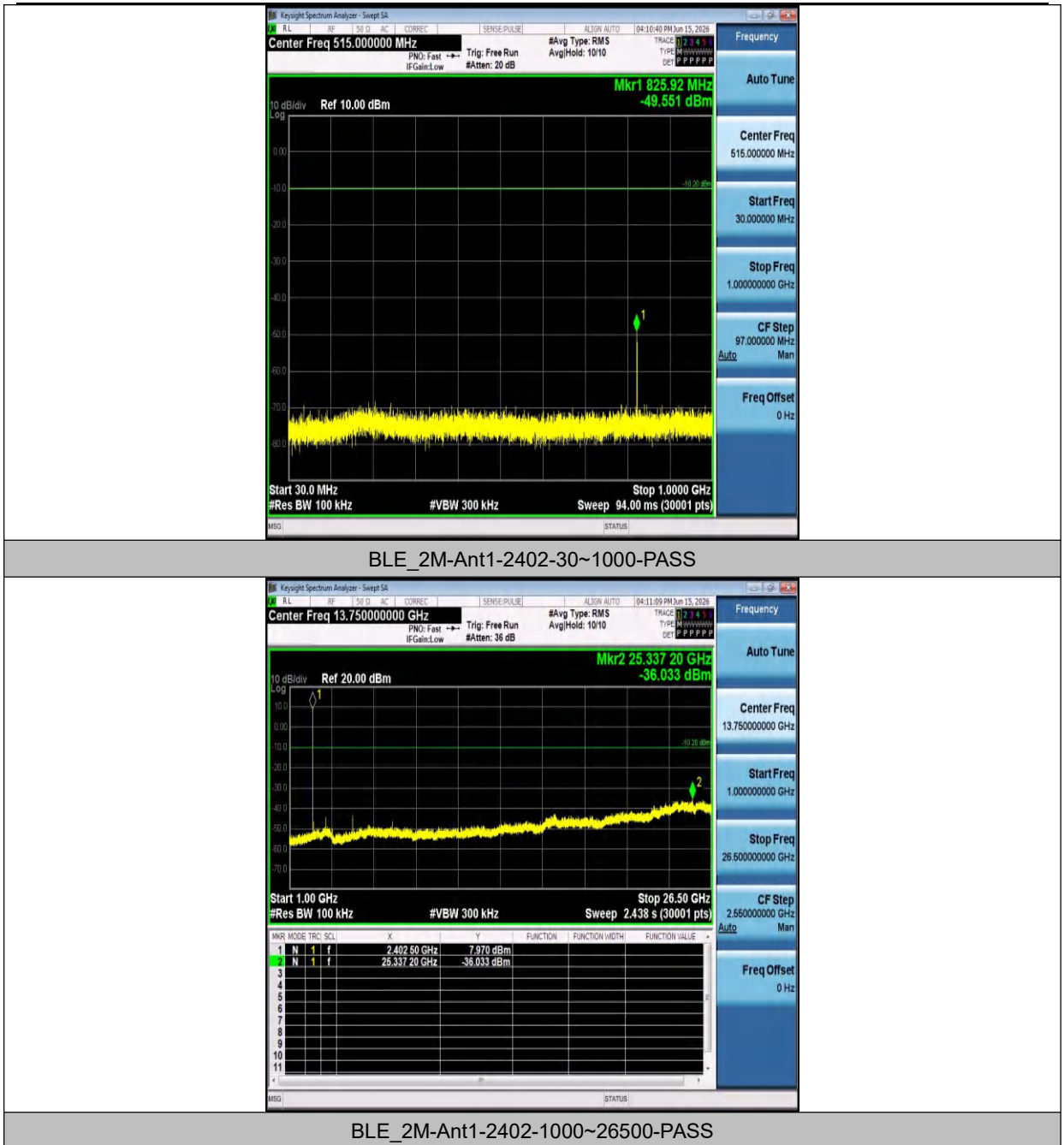
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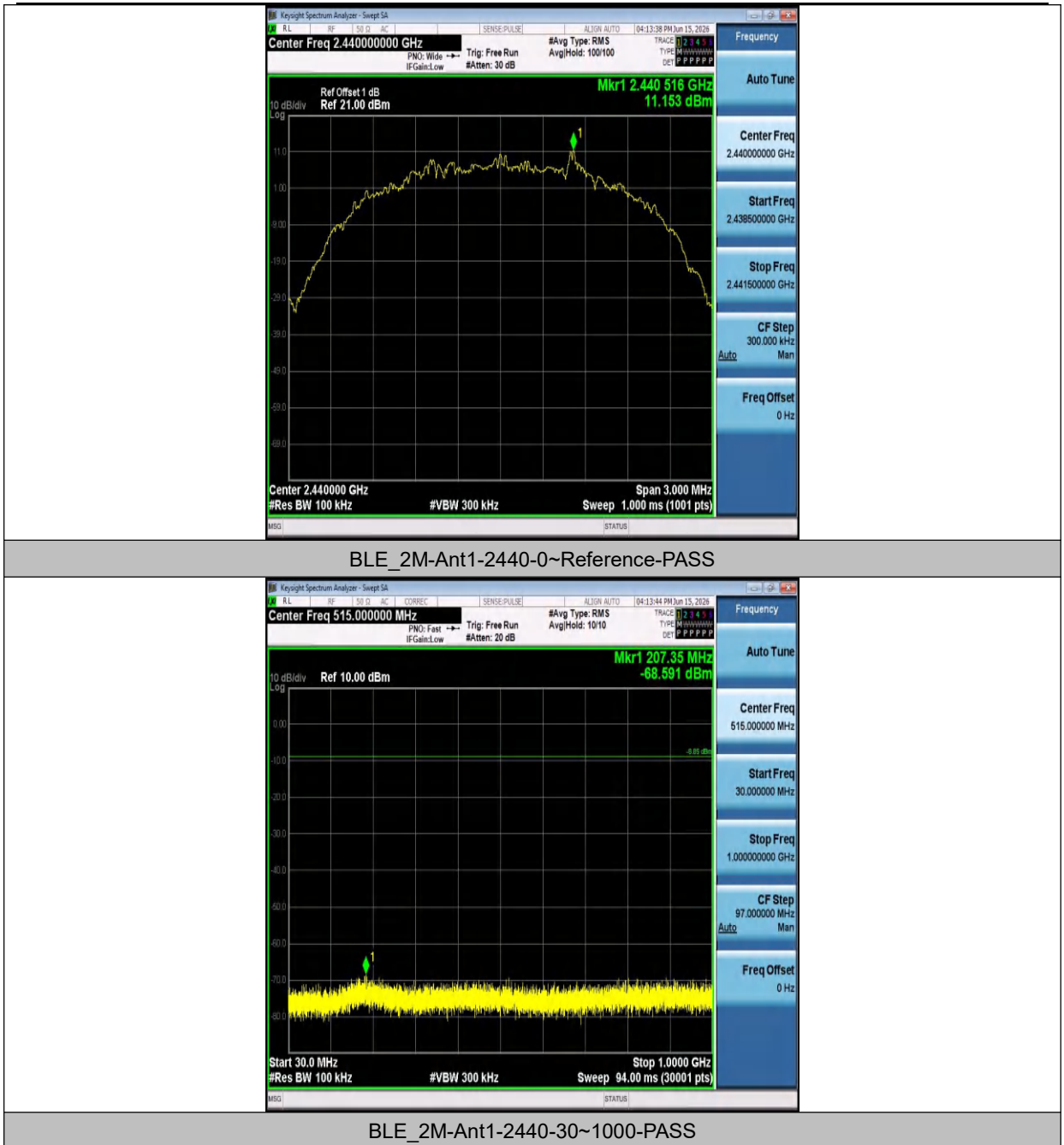
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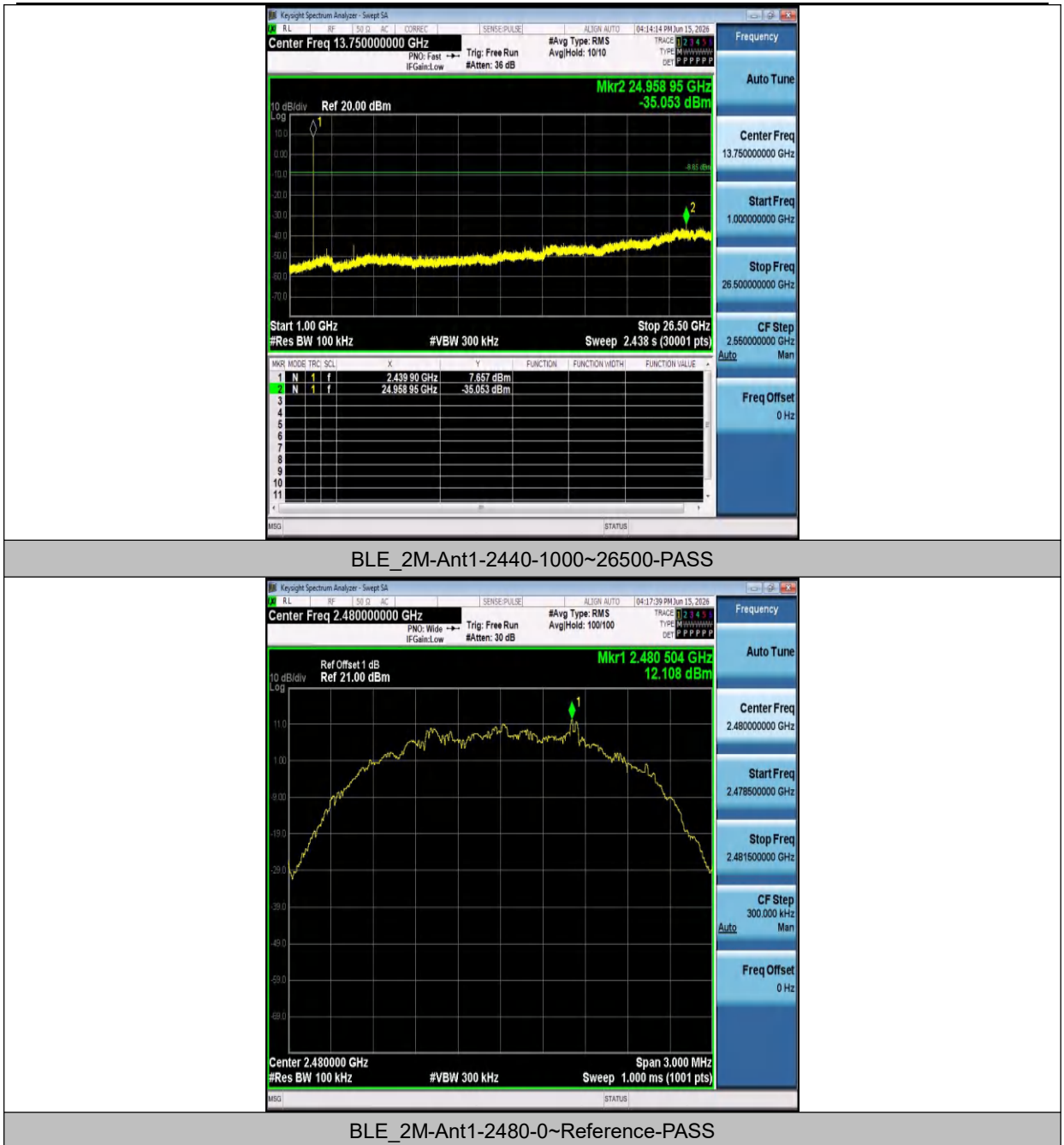
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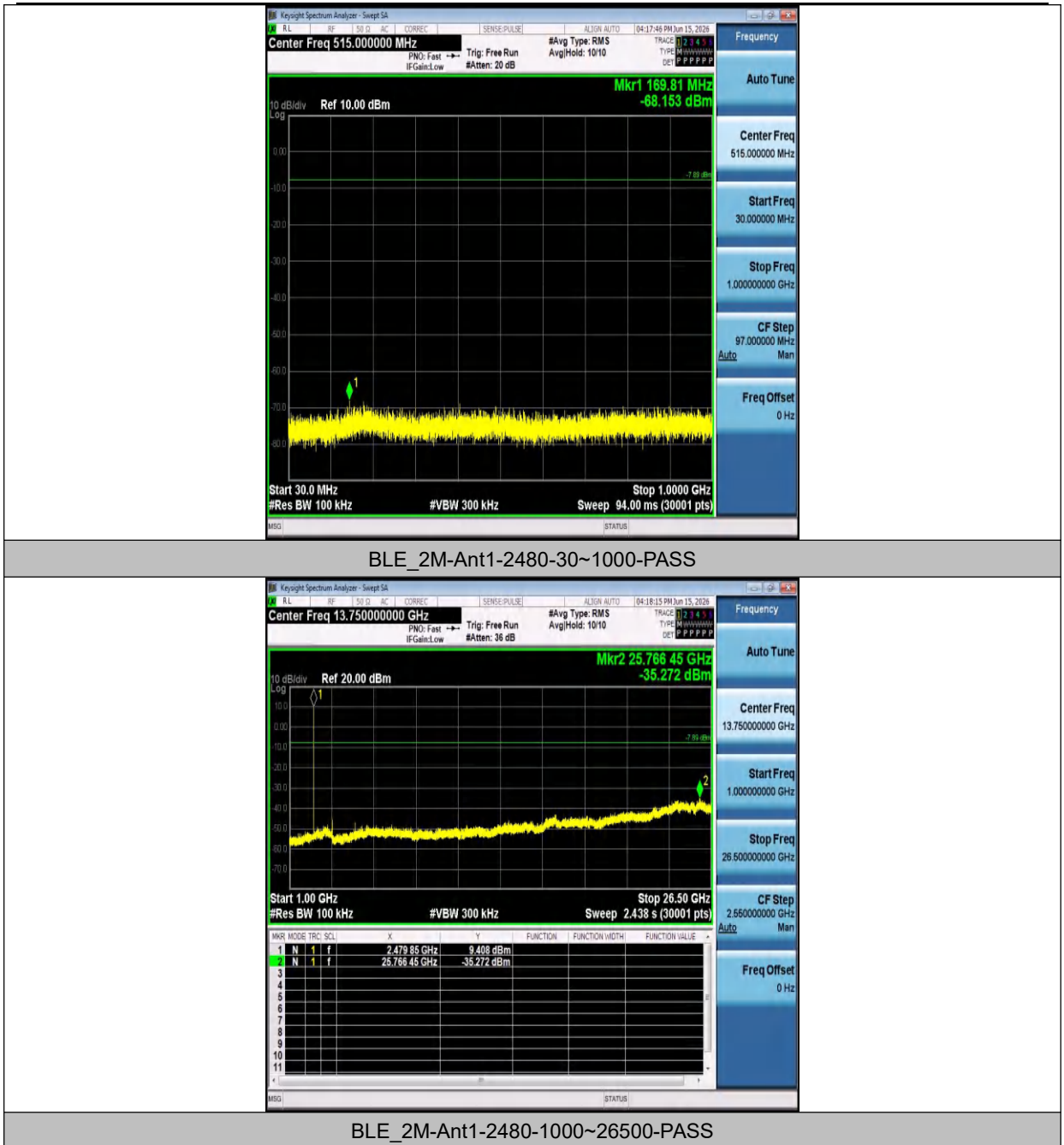
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2440	2.12	2.49	85.14	0.70
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	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2480	1.06	1.87	56.68	2.47

Test Graphs



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