

Appendix Test Data

Report No.:	1819C60088112502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-28	Finish Test Date:	2026-8-19
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	21.5°C	Relative Humidity:	60%
Pressure:	99.7kPa		



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	0.748	2401.636	2402.384	0.5	PASS
BLE_1M	Ant1	2440	0.748	2439.632	2440.380	0.5	PASS
BLE_1M	Ant1	2480	0.728	2479.636	2480.364	0.5	PASS
BLE_2M	Ant1	2402	1.424	2401.312	2402.736	0.5	PASS
BLE_2M	Ant1	2440	1.432	2439.308	2440.740	0.5	PASS
BLE_2M	Ant1	2480	1.500	2479.232	2480.732	0.5	PASS

Test Graphs



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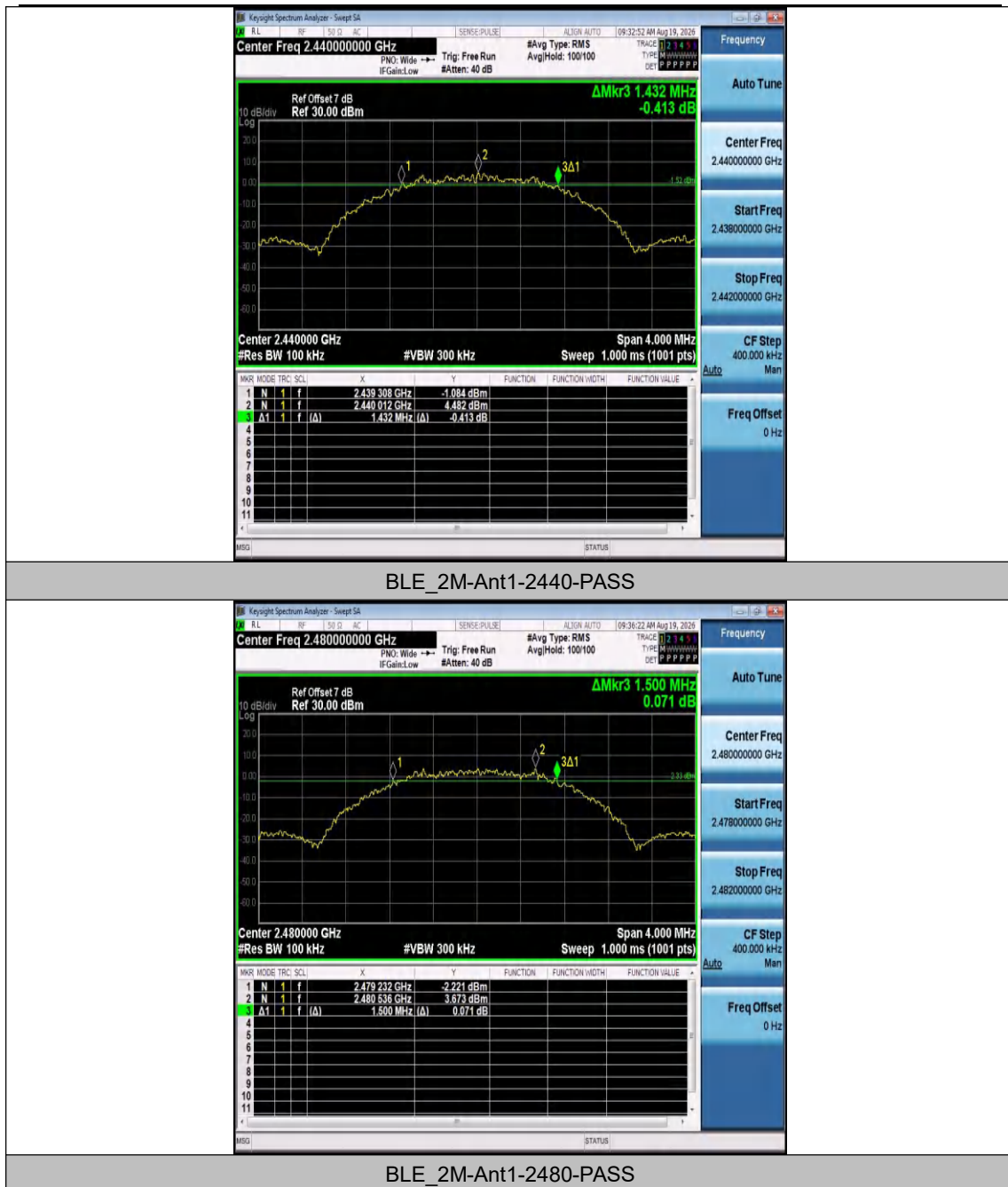
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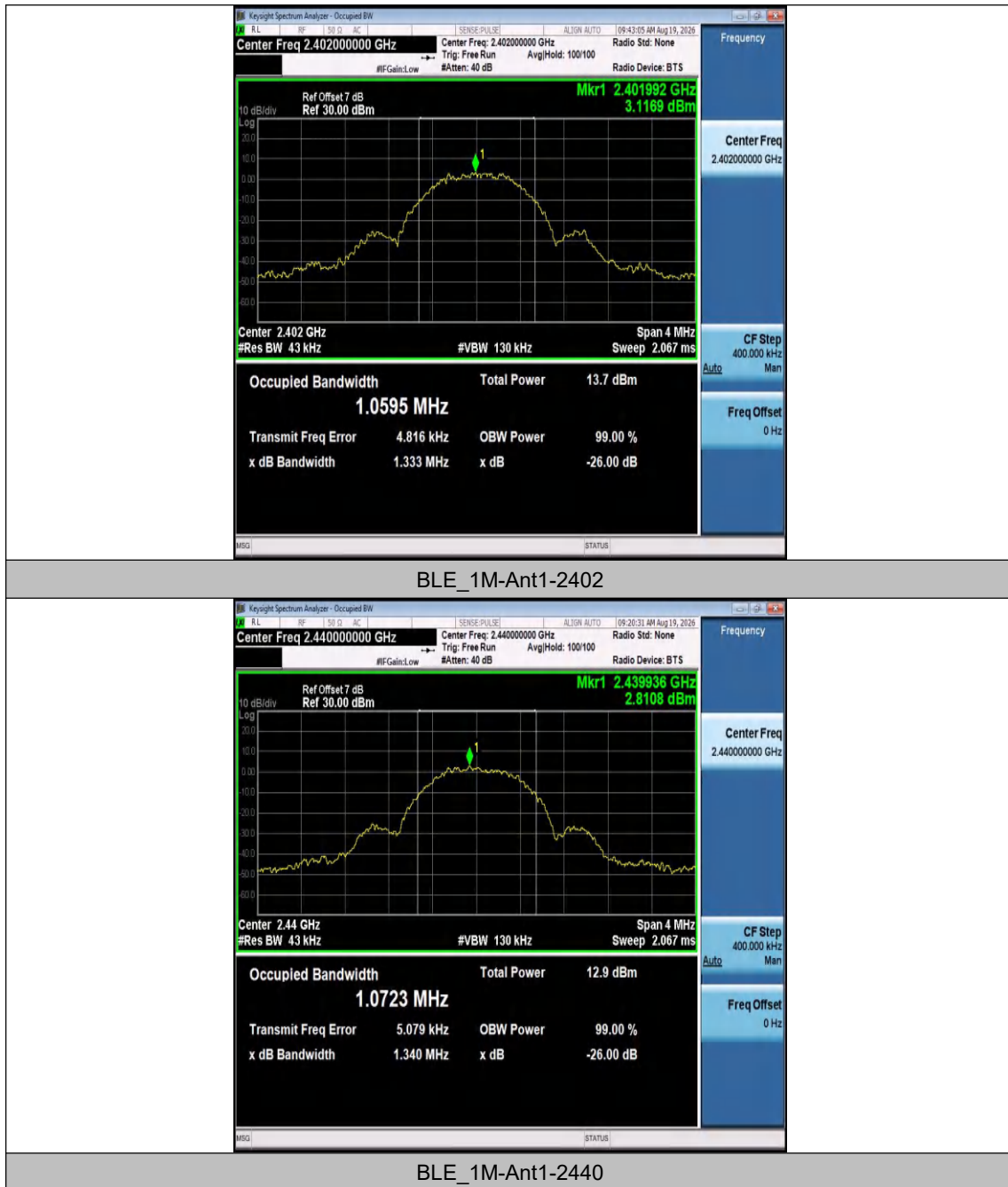


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0595	2401.4751	2402.5346	---	---
BLE_1M	Ant1	2440	1.0723	2439.4689	2440.5412	---	---
BLE_1M	Ant1	2480	1.0627	2479.4722	2480.5349	---	---
BLE_2M	Ant1	2402	2.0923	2400.9497	2403.0420	---	---
BLE_2M	Ant1	2440	2.1035	2438.9537	2441.0572	---	---
BLE_2M	Ant1	2480	2.1174	2478.9428	2481.0602	---	---

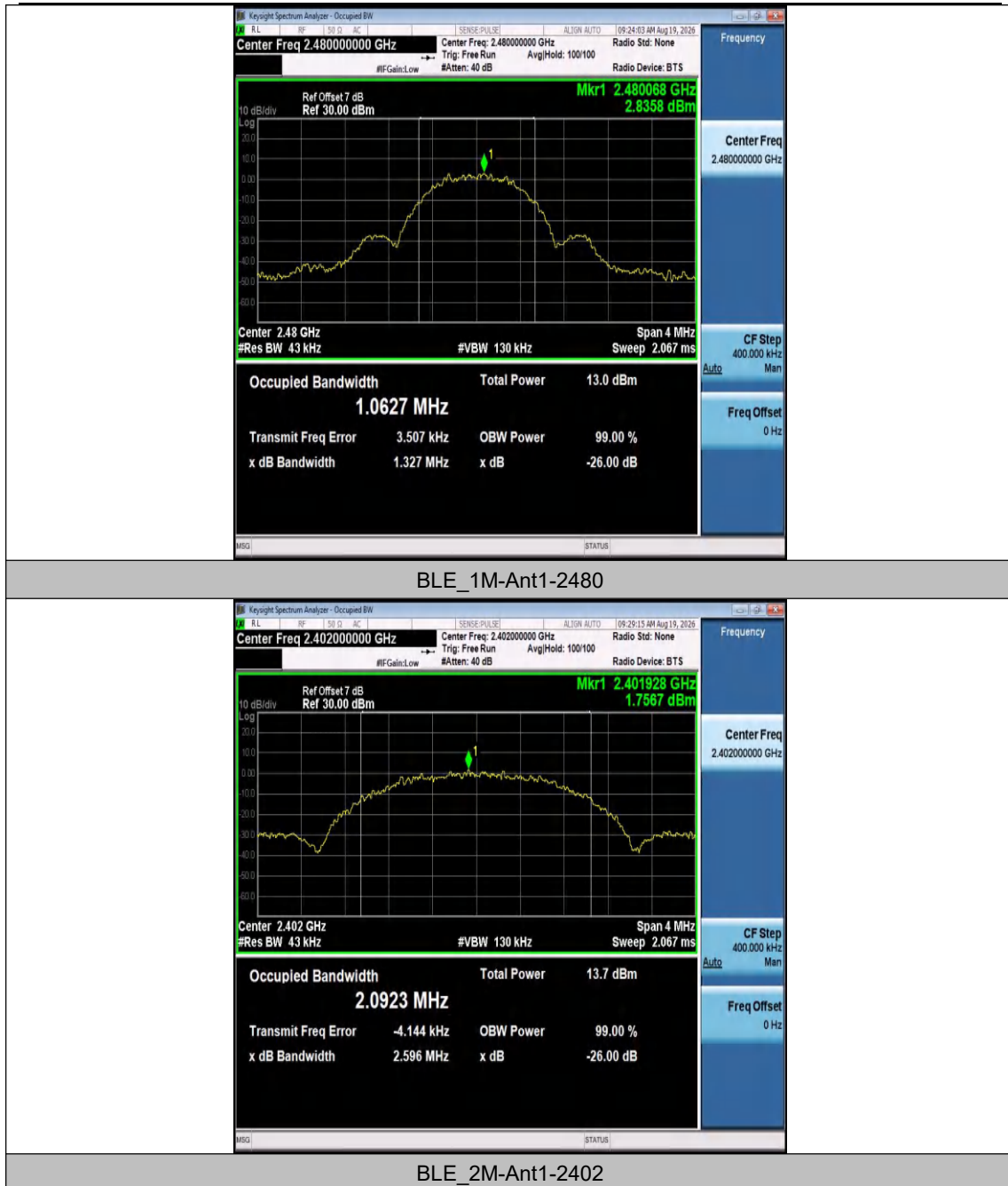
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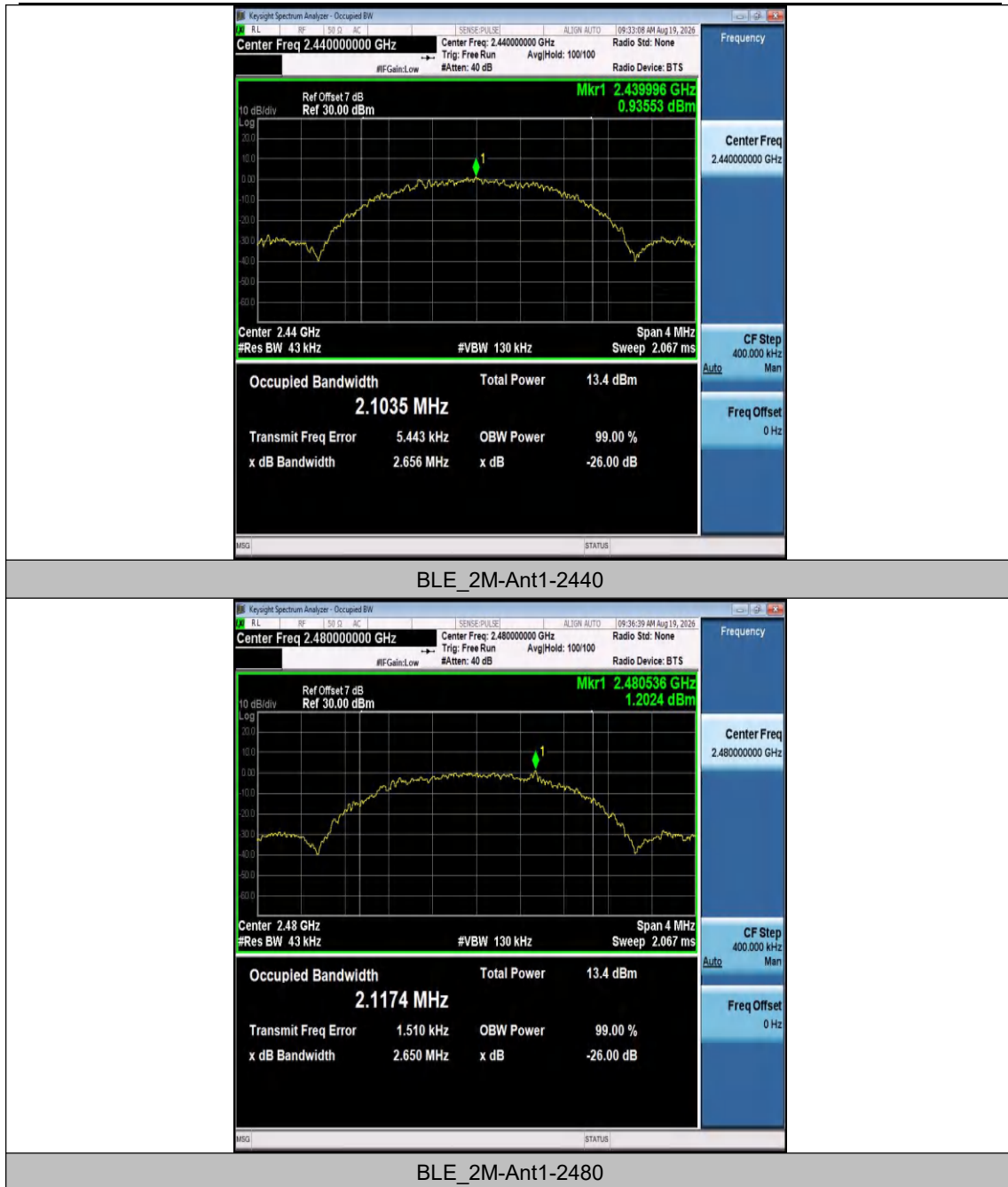
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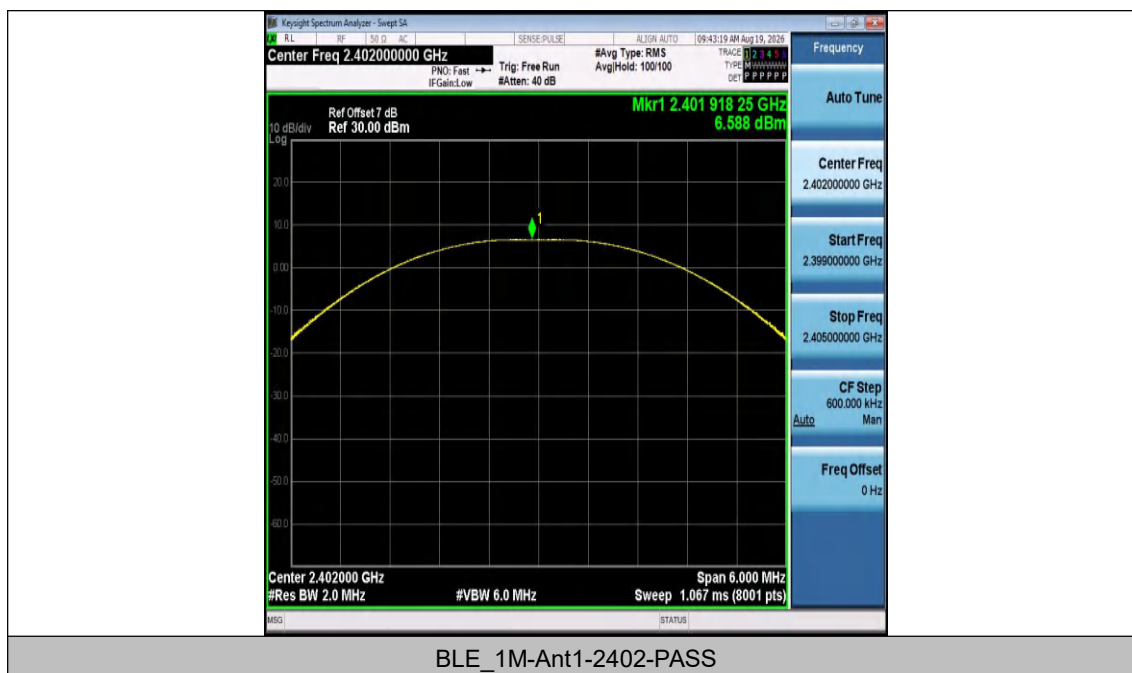
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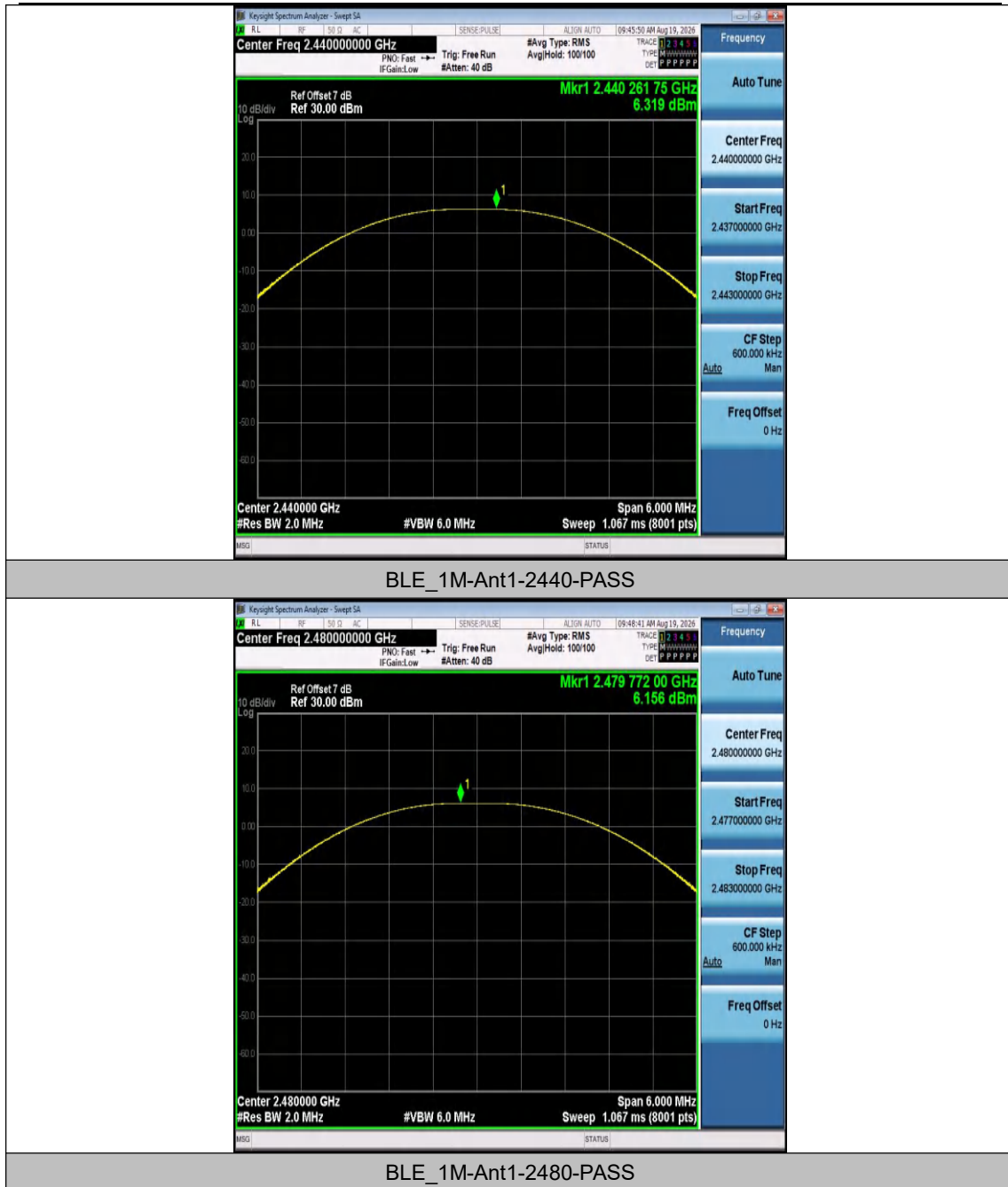
Appendix C: Maximum conducted output power

Test Result Peak-Left

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.59	≤30	PASS
BLE_1M	Ant1	2440	6.32	≤30	PASS
BLE_1M	Ant1	2480	6.16	≤30	PASS
BLE_2M	Ant1	2402	6.55	≤30	PASS
BLE_2M	Ant1	2440	6.23	≤30	PASS
BLE_2M	Ant1	2480	6.11	≤30	PASS

Test Graphs Peak-Left

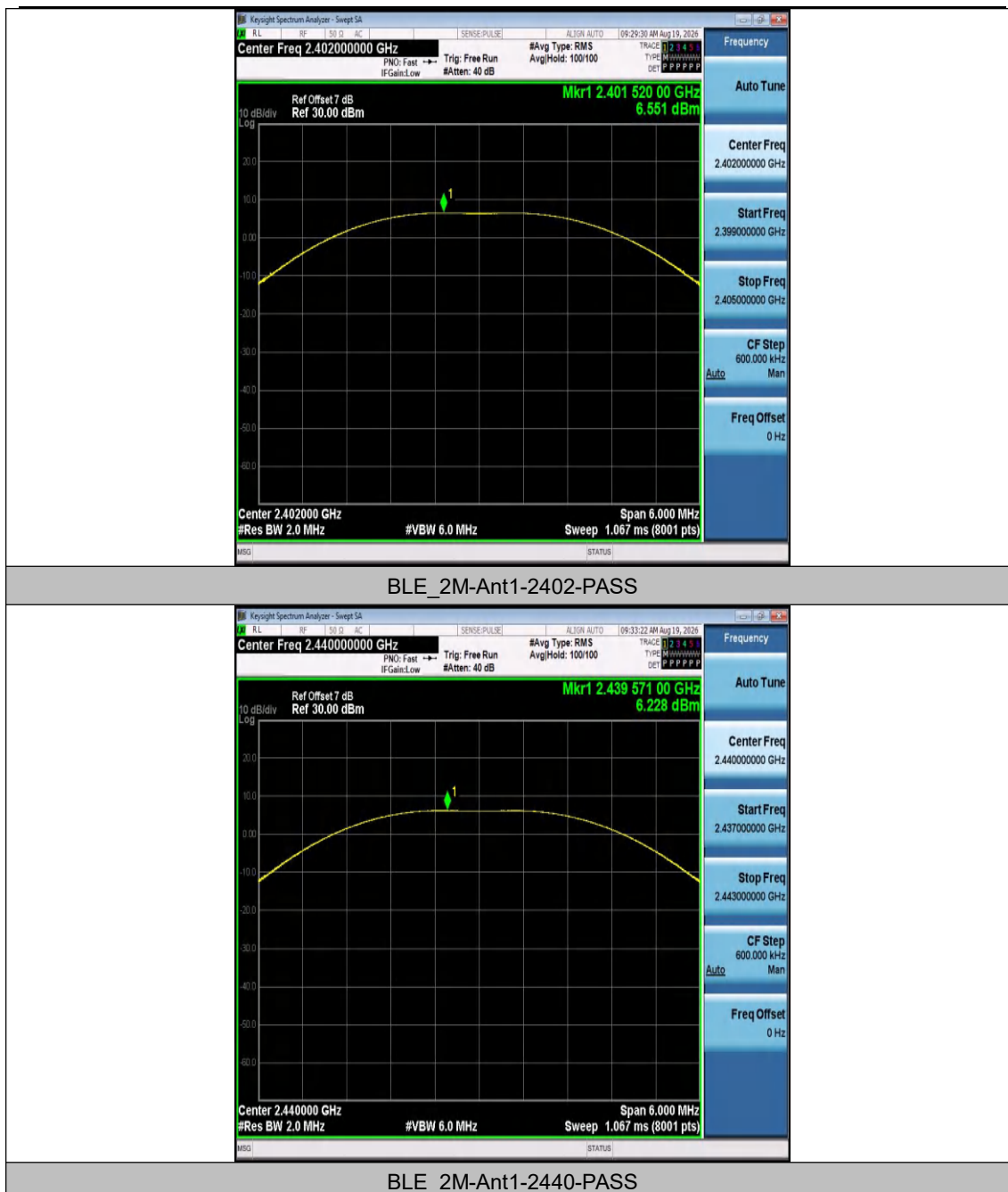




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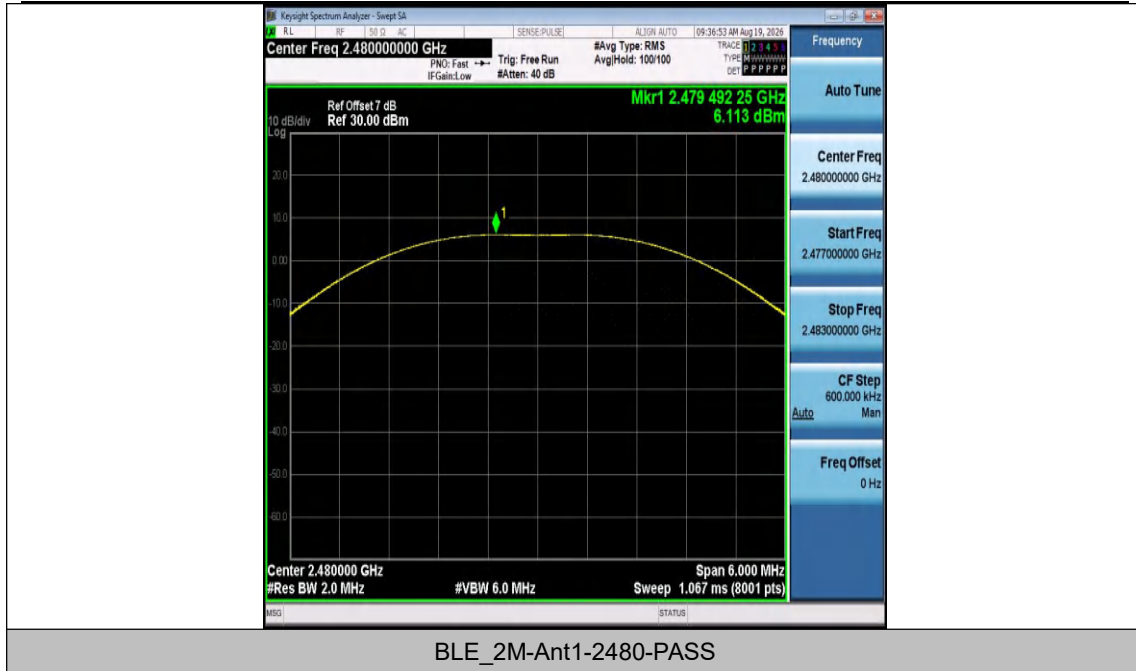
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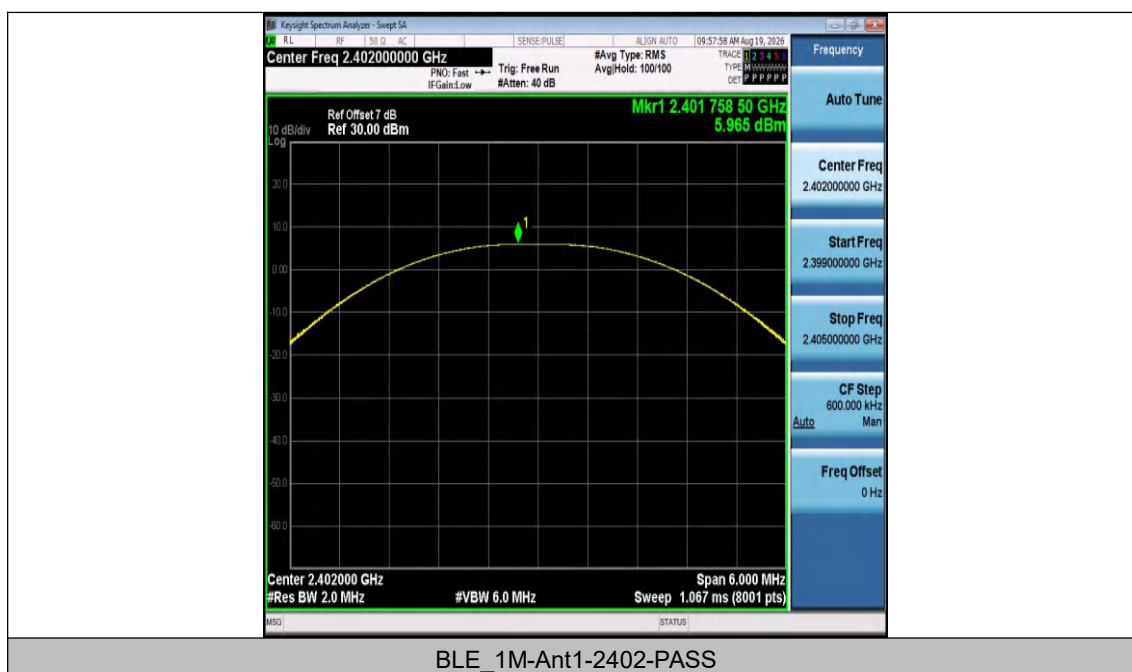
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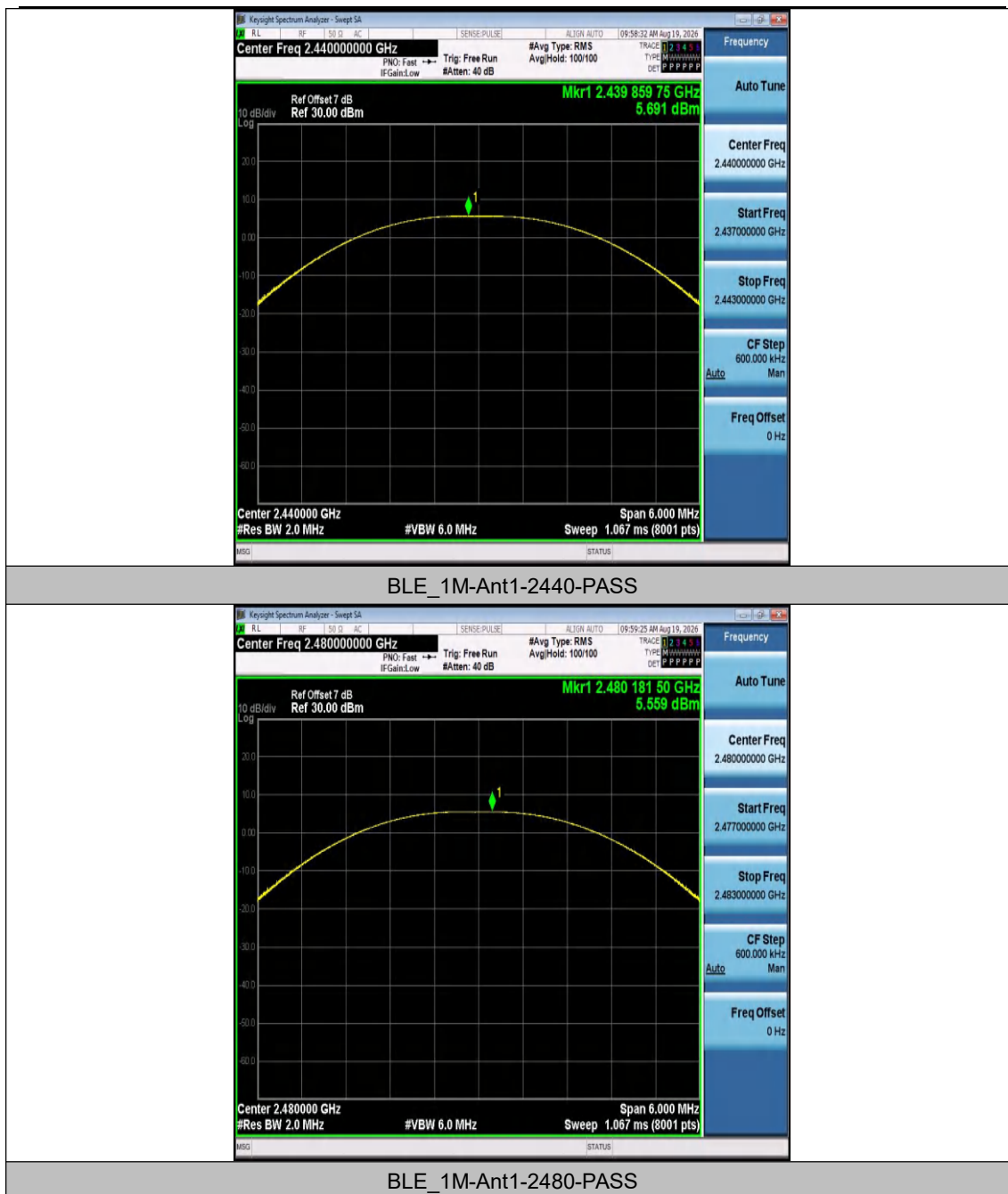
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Test Result Peak-Right

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.97	≤30	PASS
BLE_1M	Ant1	2440	5.69	≤30	PASS
BLE_1M	Ant1	2480	5.56	≤30	PASS
BLE_2M	Ant1	2402	5.89	≤30	PASS
BLE_2M	Ant1	2440	5.59	≤30	PASS
BLE_2M	Ant1	2480	5.39	≤30	PASS

Test Graphs Peak-Right

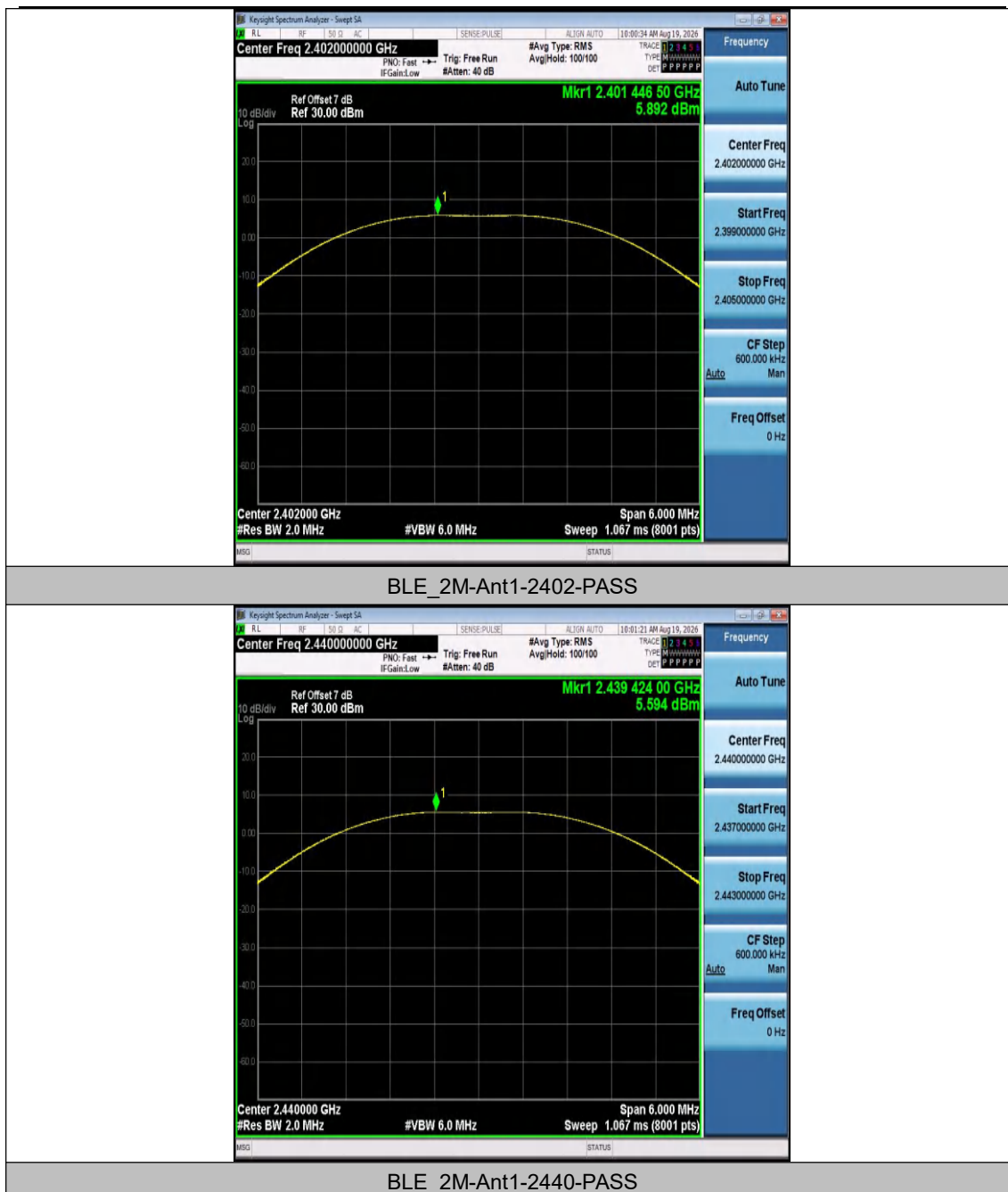




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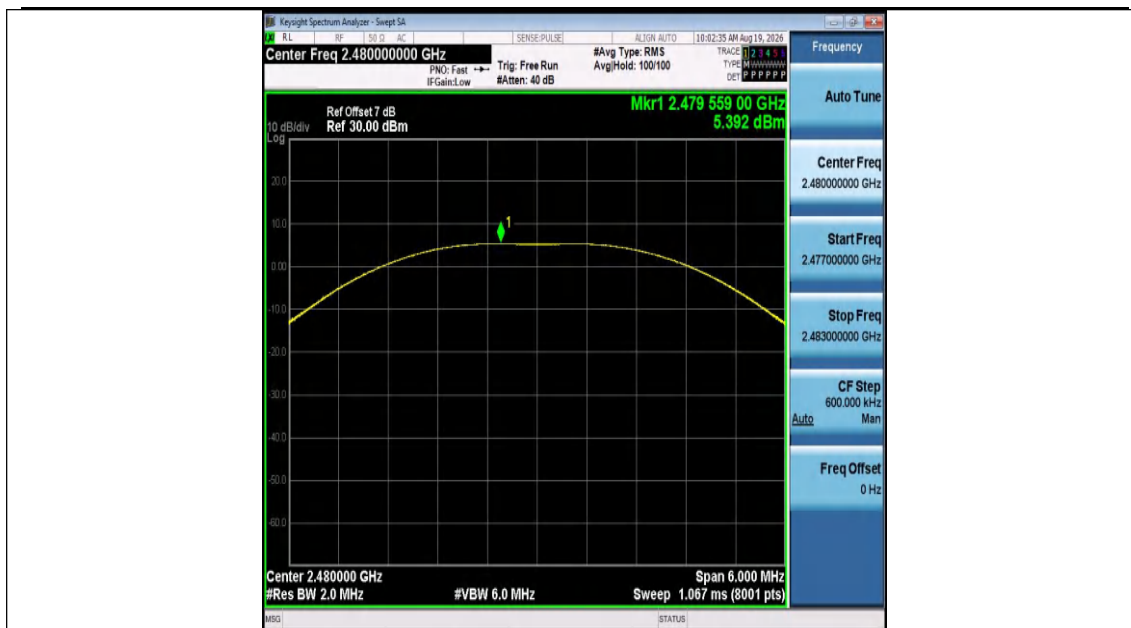
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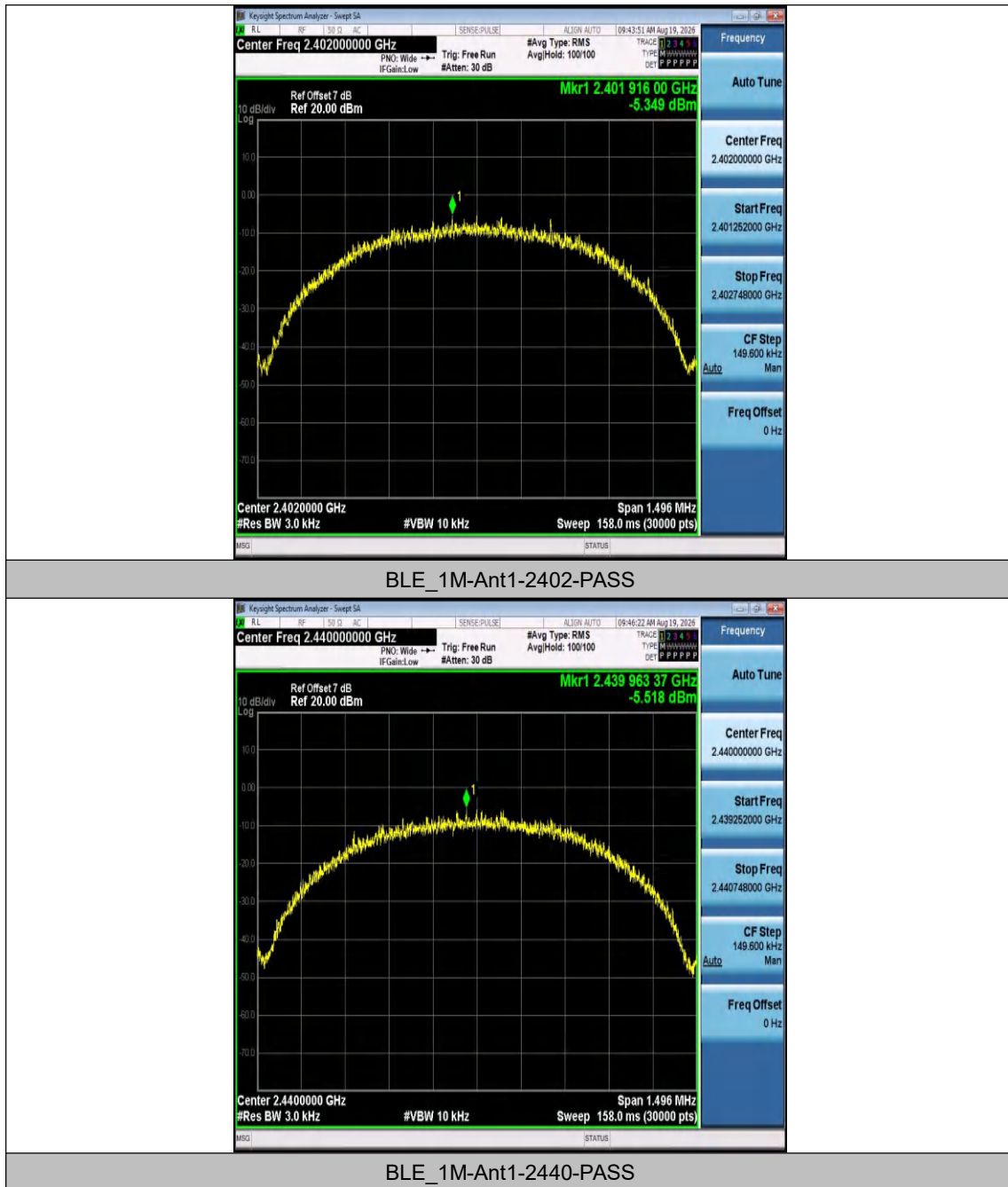


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.35	≤8.00	PASS
BLE_1M	Ant1	2440	-5.52	≤8.00	PASS
BLE_1M	Ant1	2480	-5.54	≤8.00	PASS
BLE_2M	Ant1	2402	-8.34	≤8.00	PASS
BLE_2M	Ant1	2440	-8.66	≤8.00	PASS
BLE_2M	Ant1	2480	-8.77	≤8.00	PASS

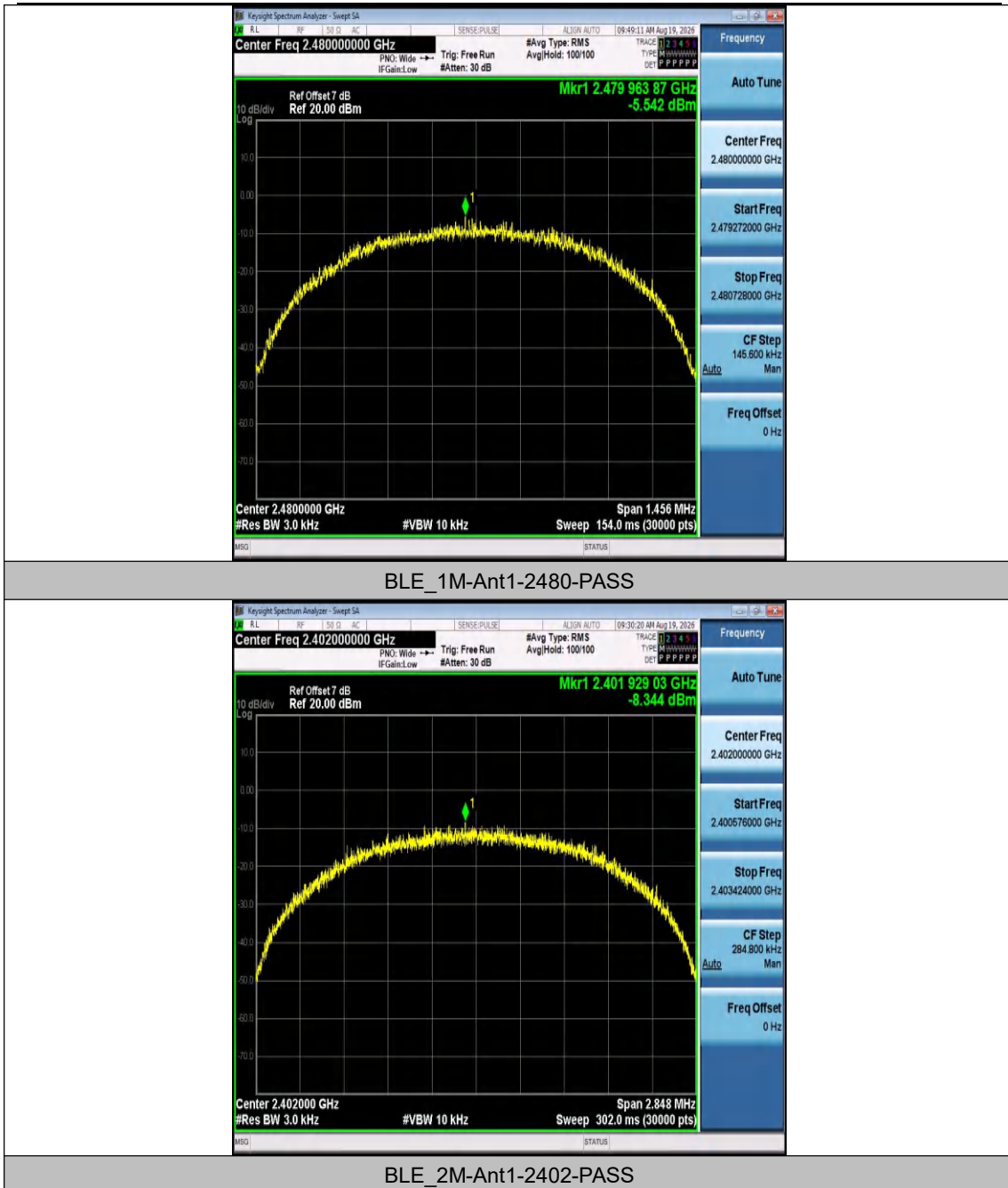
Test Graphs



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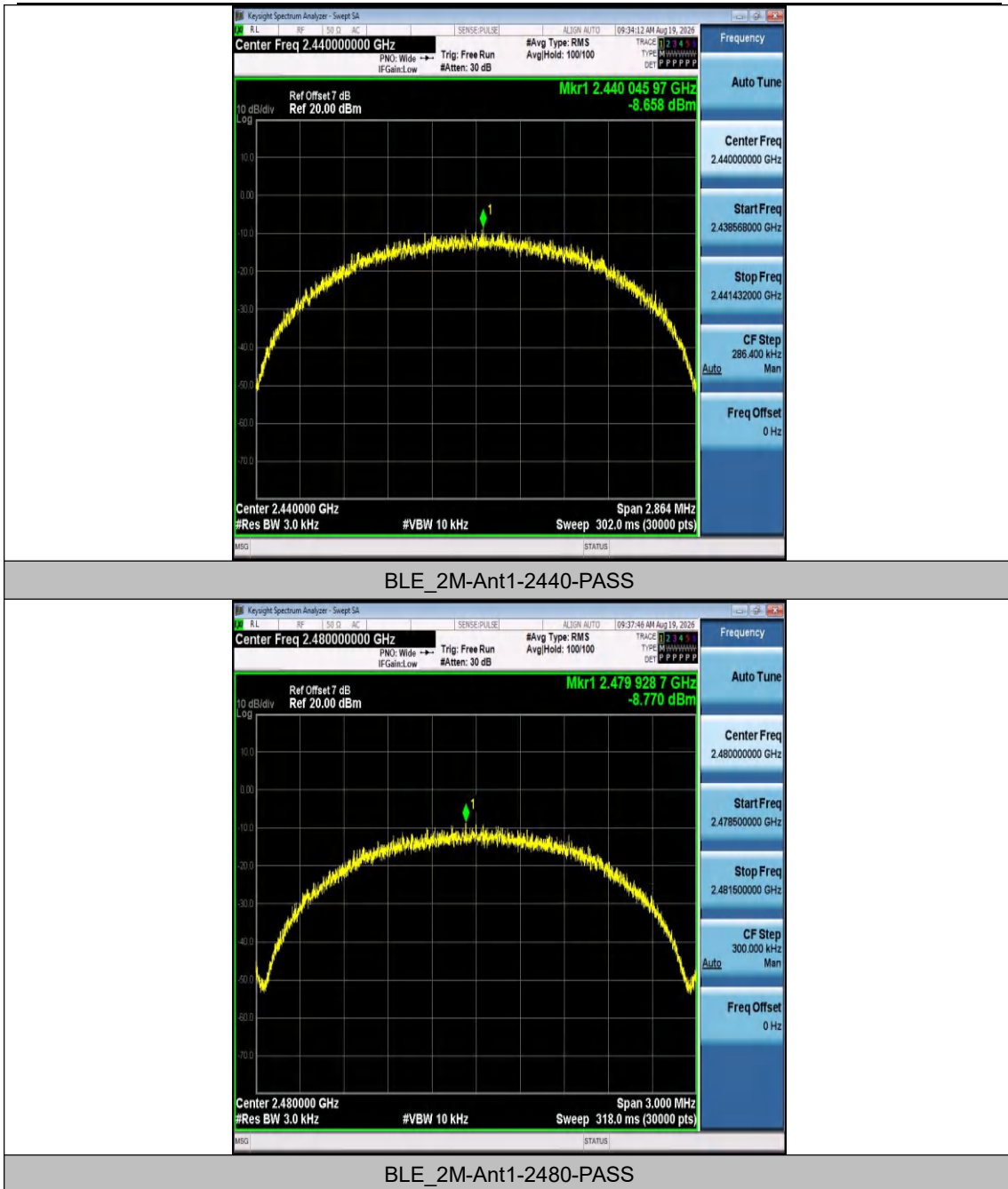
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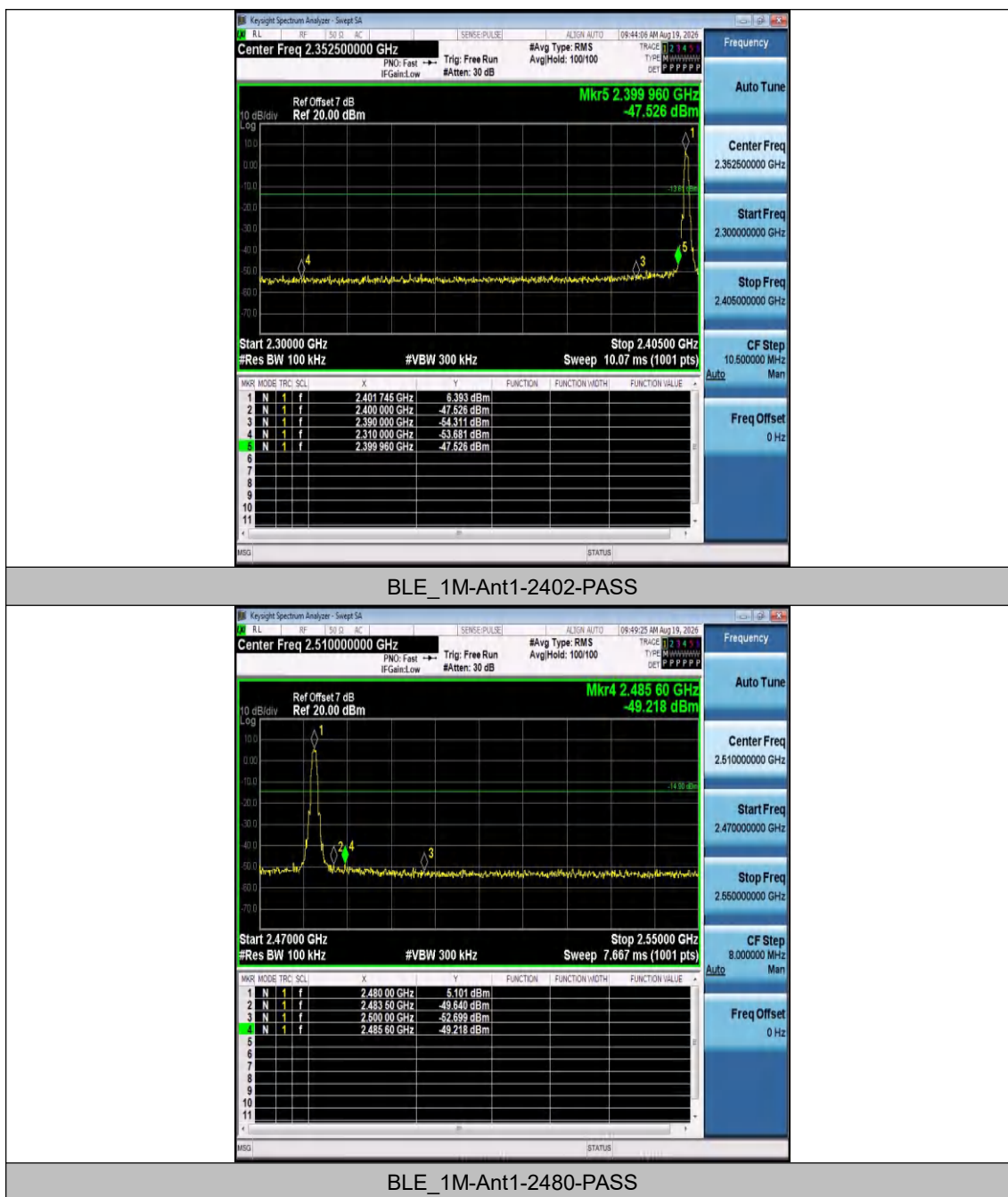
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.39	-47.53	≤-13.61	PASS
BLE_1M	Ant1	High	2480	5.10	-49.22	≤-14.9	PASS
BLE_2M	Ant1	Low	2402	4.32	-27.07	≤-15.68	PASS
BLE_2M	Ant1	High	2480	3.38	-48.01	≤-16.62	PASS

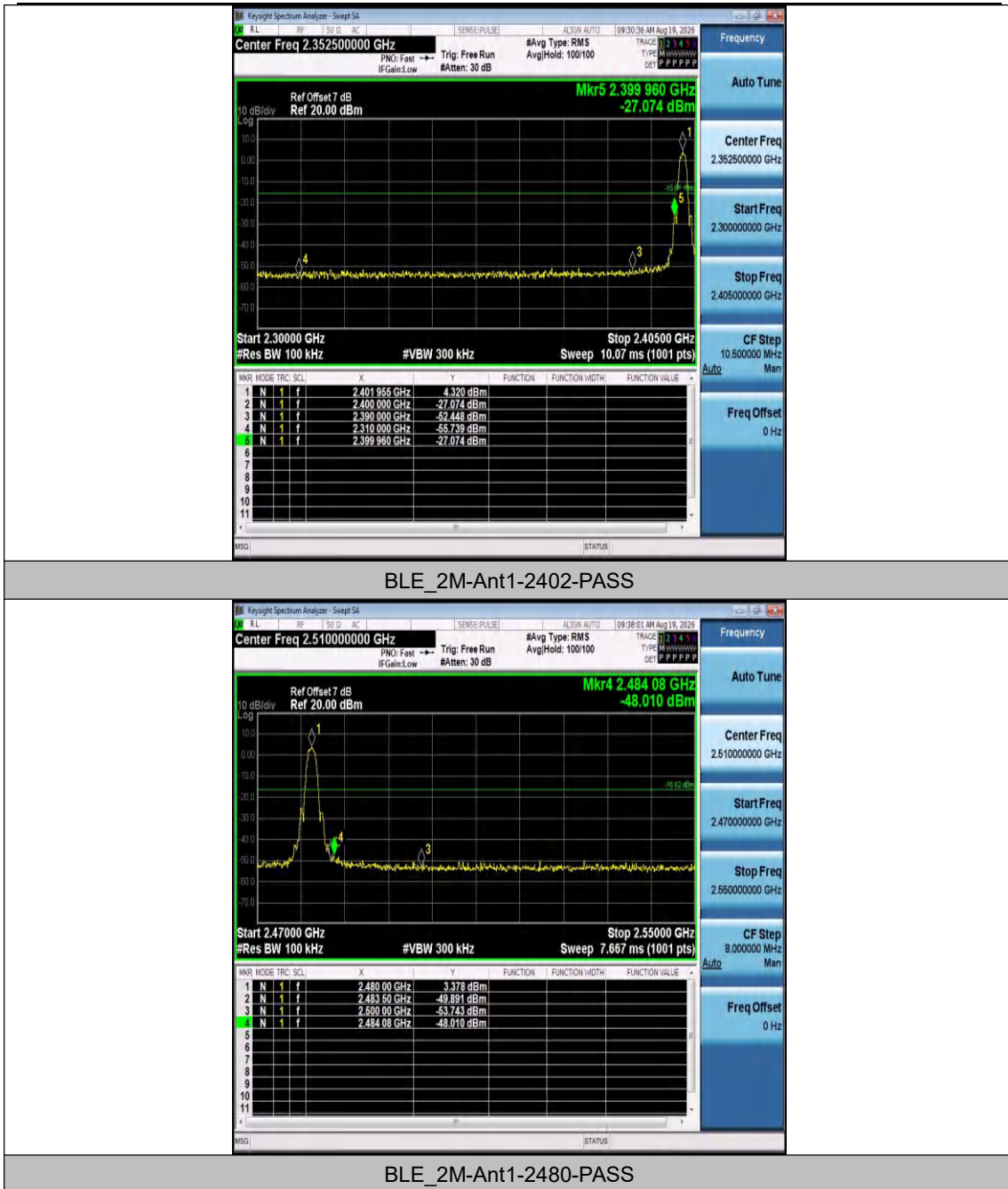
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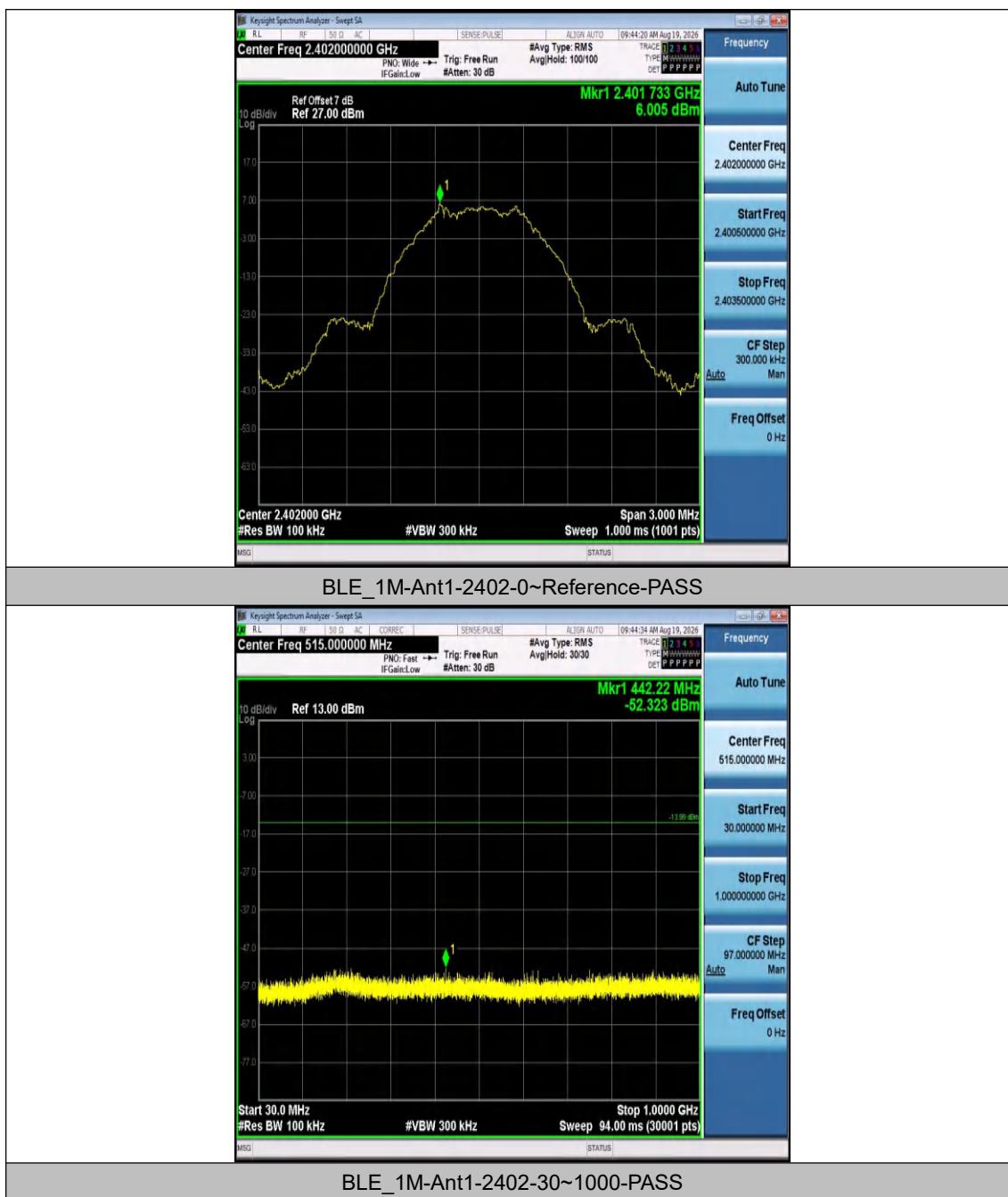
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	6.01	6.01	---	PASS
BLE_1M	Ant1	2402	30~1000	6.01	-52.32	≤-13.99	PASS
BLE_1M	Ant1	2402	1000~26500	6.01	-37.45	≤-13.99	PASS
BLE_1M	Ant1	2440	0~Reference	5.86	5.86	---	PASS
BLE_1M	Ant1	2440	30~1000	5.86	-52.01	≤-14.14	PASS
BLE_1M	Ant1	2440	1000~26500	5.86	-37.46	≤-14.14	PASS
BLE_1M	Ant1	2480	0~Reference	5.48	5.48	---	PASS
BLE_1M	Ant1	2480	30~1000	5.48	-52.1	≤-14.52	PASS
BLE_1M	Ant1	2480	1000~26500	5.48	-37.4	≤-14.52	PASS
BLE_2M	Ant1	2402	0~Reference	4.08	4.08	---	PASS
BLE_2M	Ant1	2402	30~1000	4.08	-52.2	≤-15.92	PASS
BLE_2M	Ant1	2402	1000~26500	4.08	-36.43	≤-15.92	PASS
BLE_2M	Ant1	2440	0~Reference	4.52	4.52	---	PASS
BLE_2M	Ant1	2440	30~1000	4.52	-52.21	≤-15.48	PASS
BLE_2M	Ant1	2440	1000~26500	4.52	-37.52	≤-15.48	PASS
BLE_2M	Ant1	2480	0~Reference	4.05	4.05	---	PASS
BLE_2M	Ant1	2480	30~1000	4.05	-51.73	≤-15.95	PASS
BLE_2M	Ant1	2480	1000~26500	4.05	-37.43	≤-15.95	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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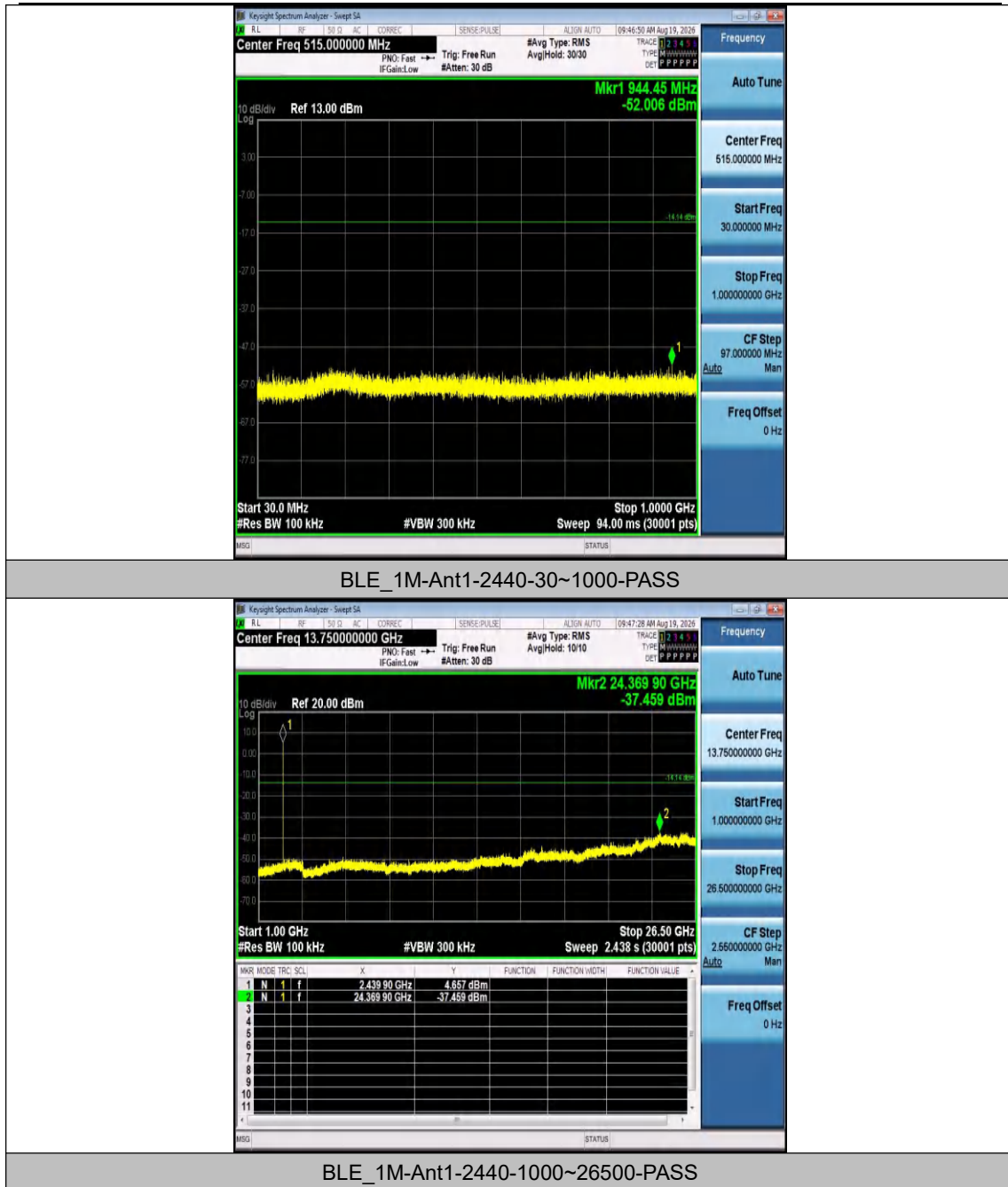
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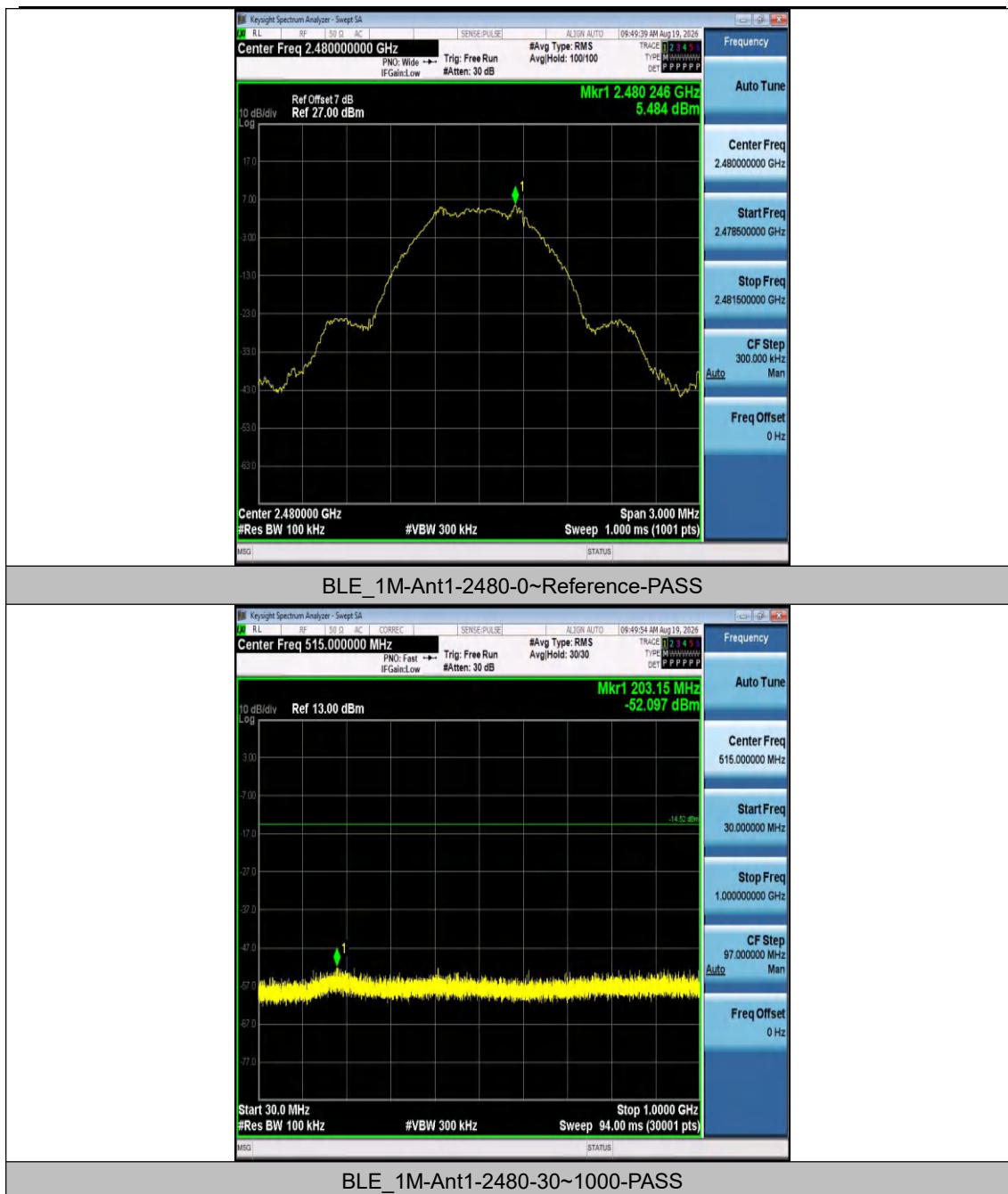
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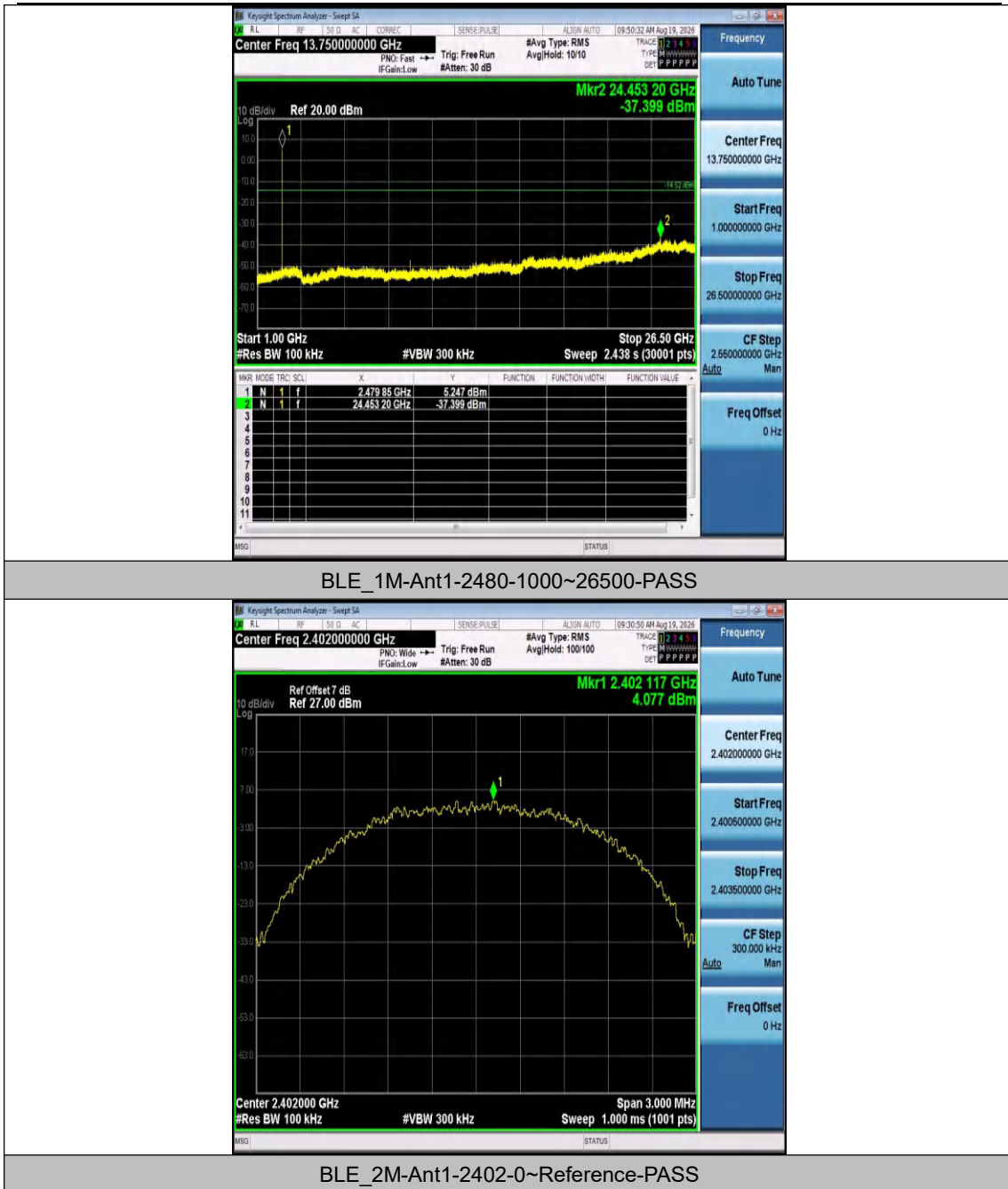
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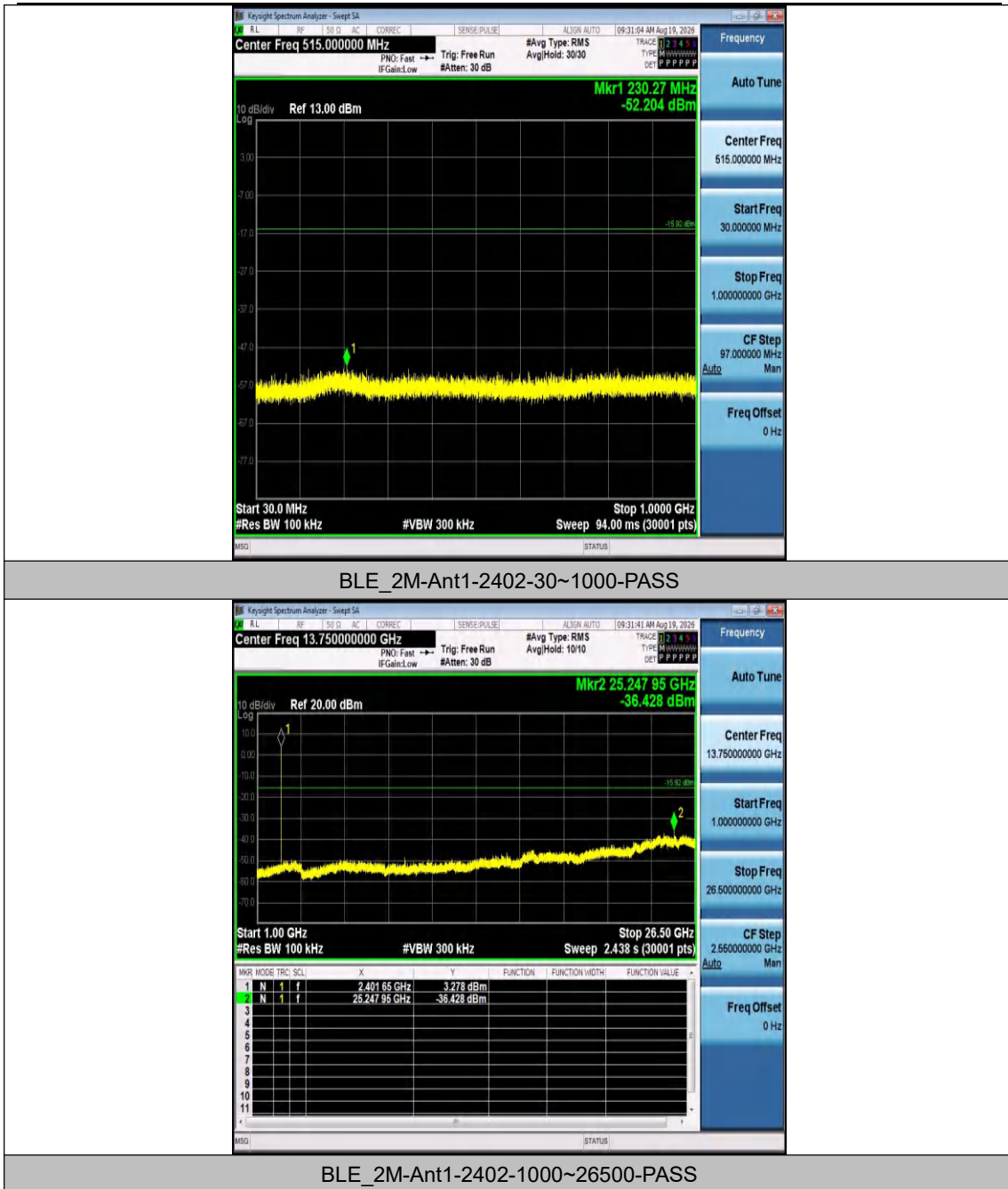
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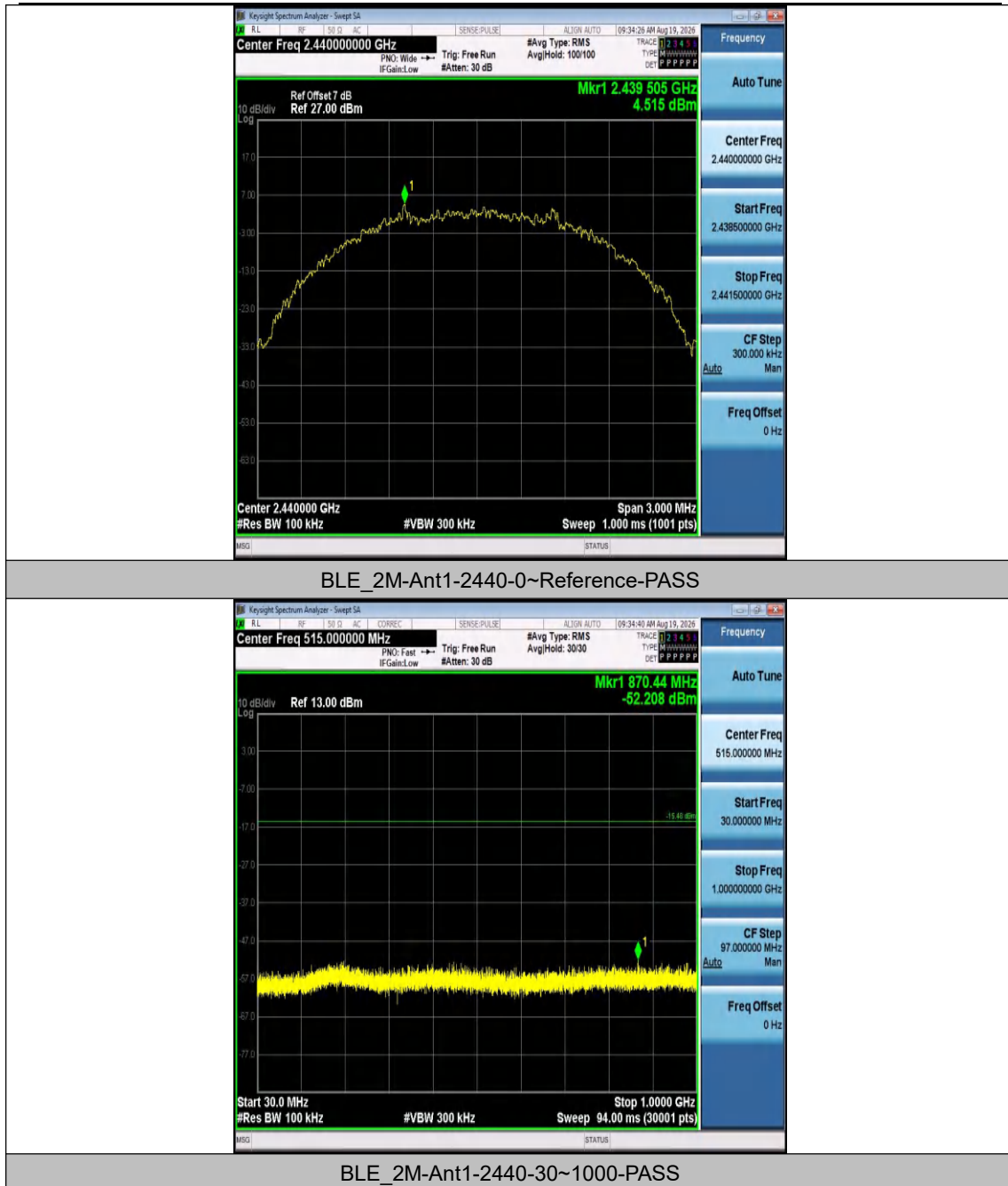
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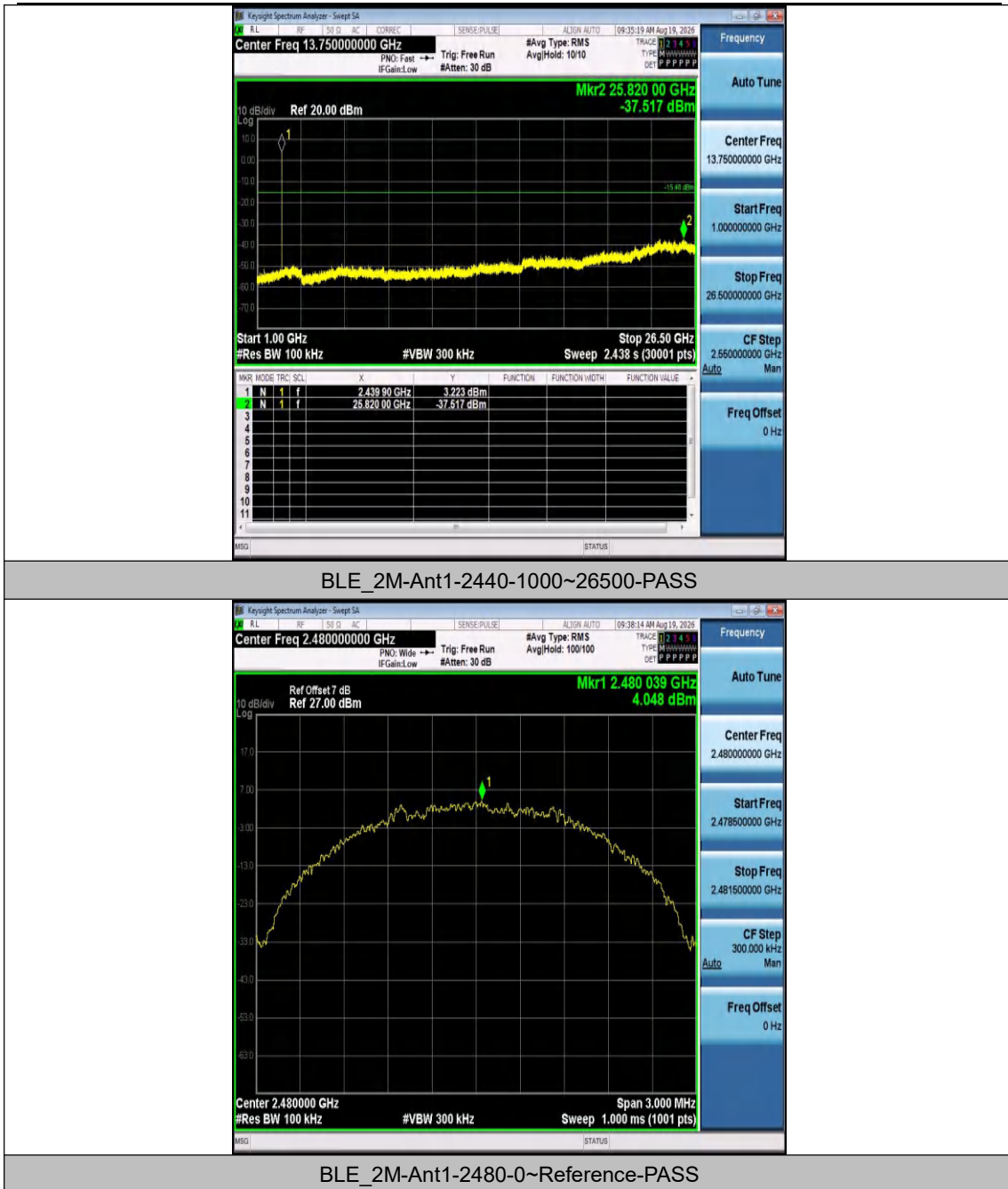
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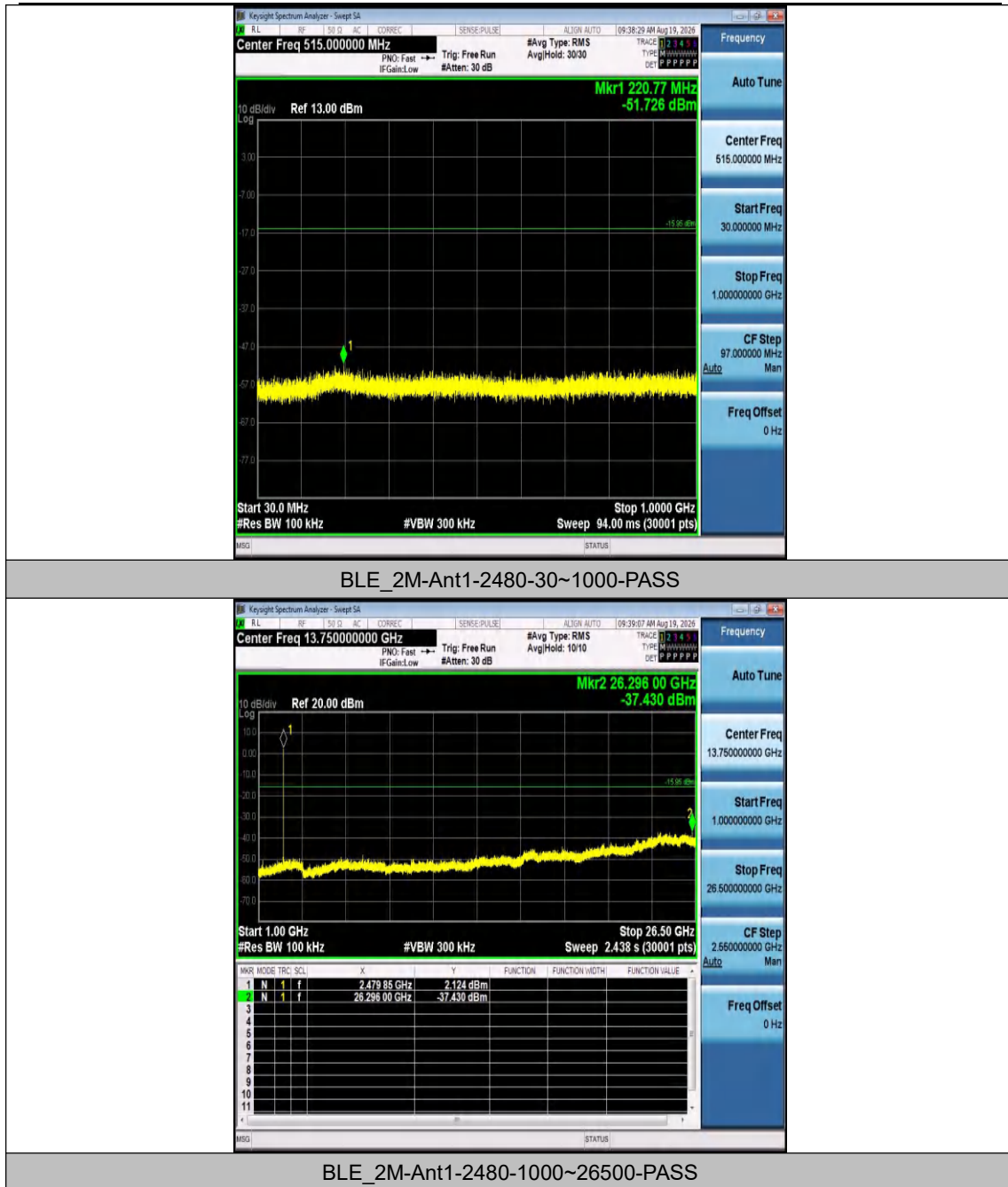
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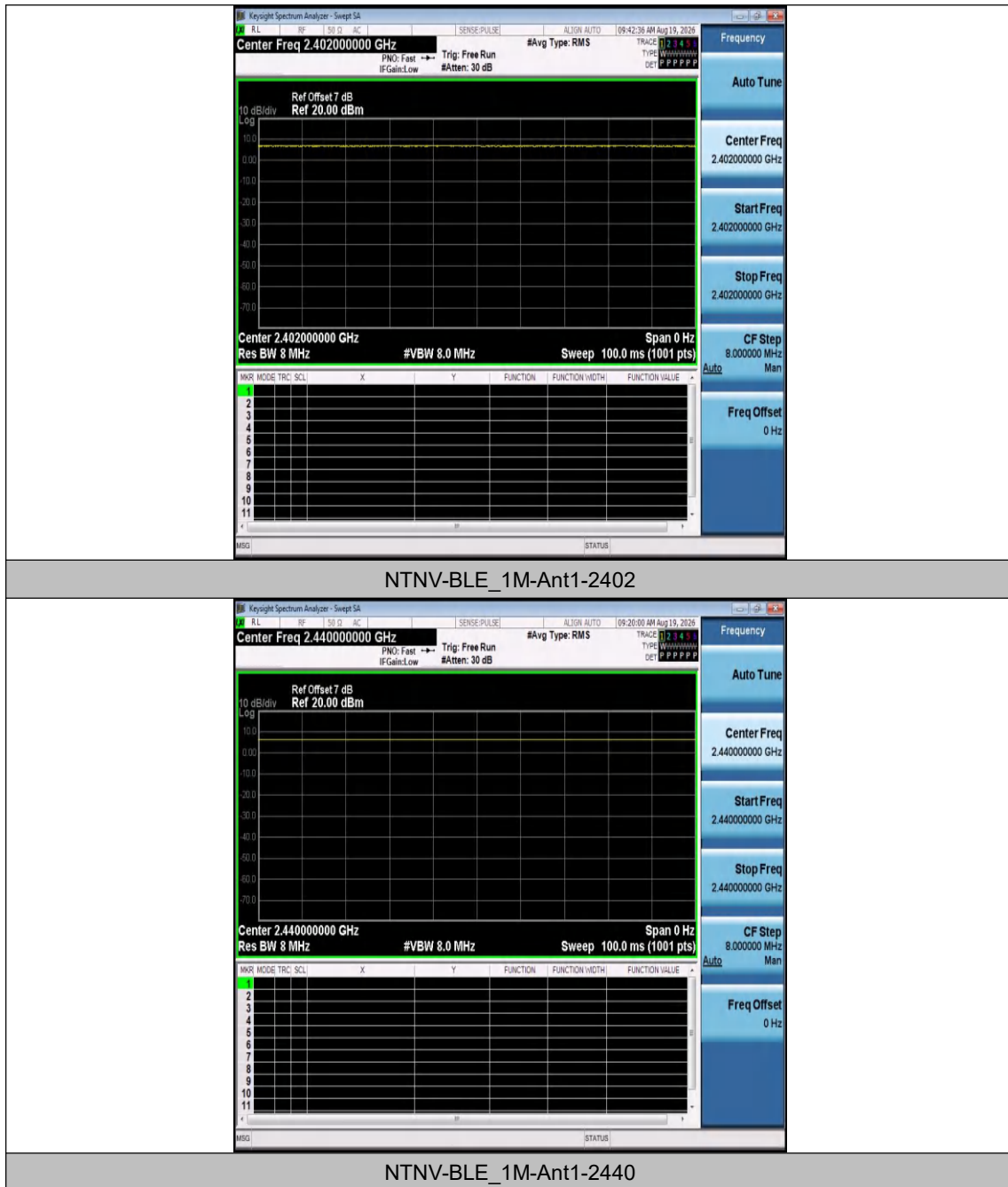
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2480	100.00	100.00	100.00	0.00

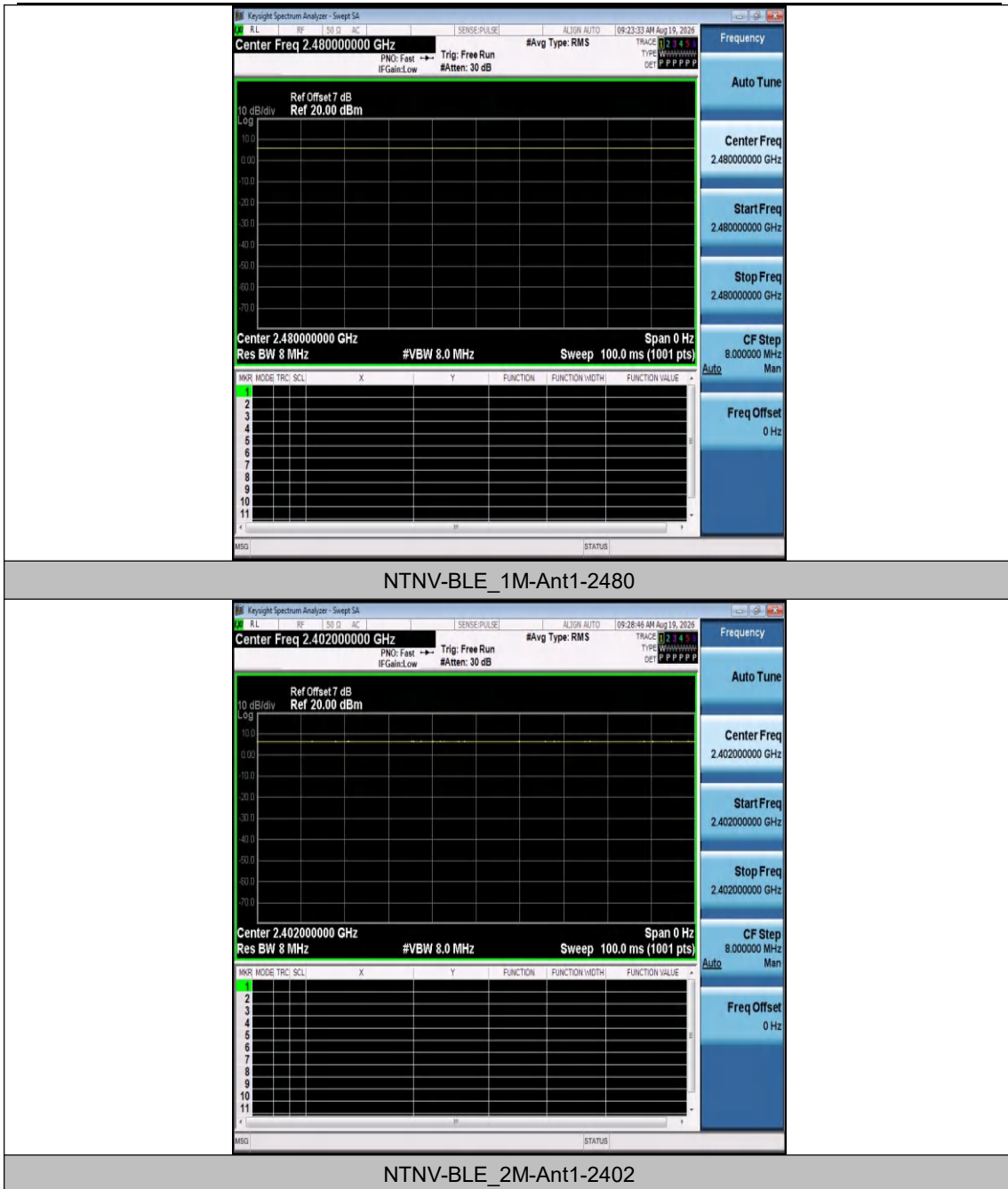
Test Graphs



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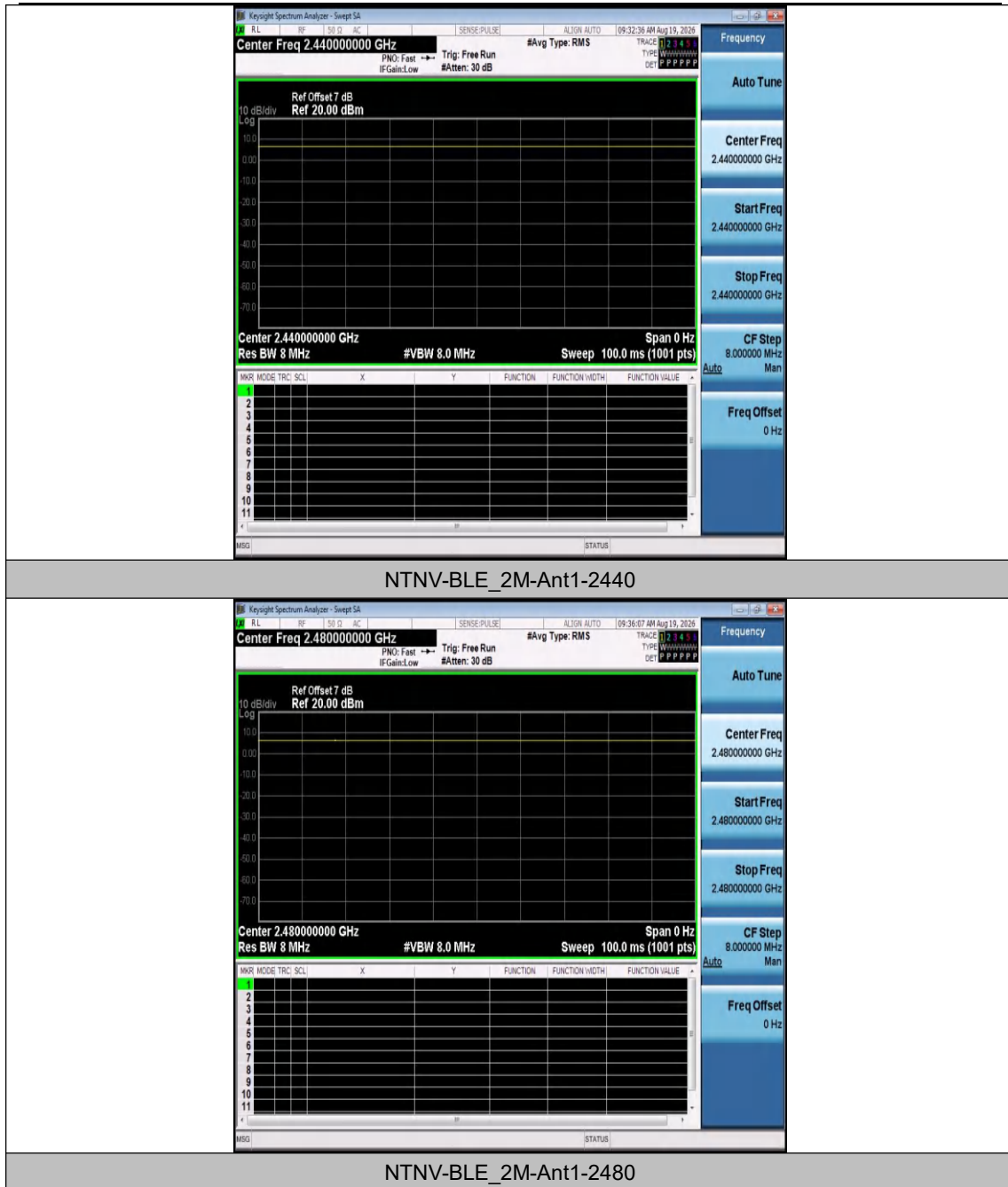
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