

Appendix Test Data

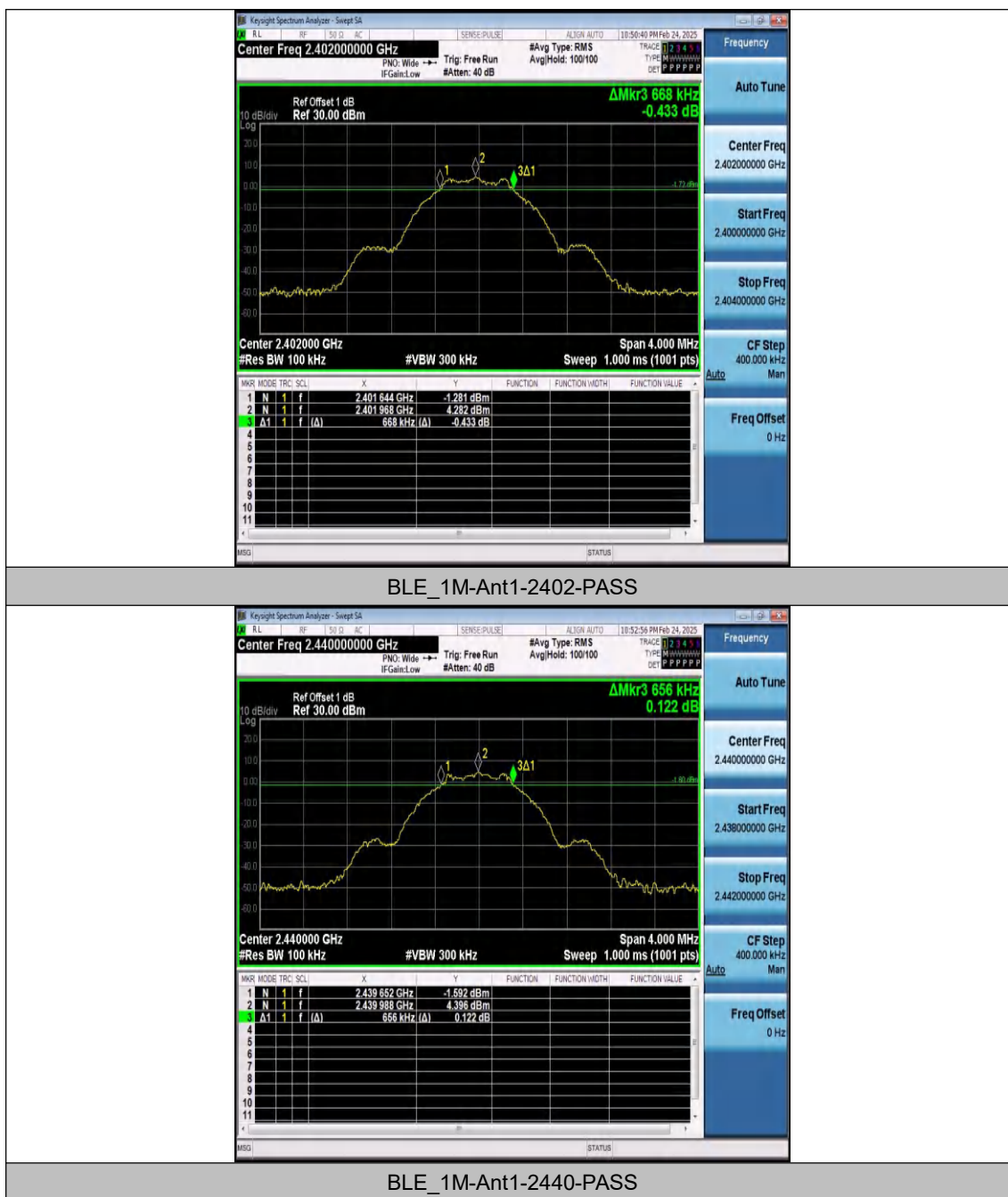
Report No.:	1813C50041212502	Test Sample No.:	1-2-2
Start Test Date:	2025.02.24	Finish Test Date:	2025.02.25
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	49%
Pressure:	101kPa		

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	2401.644	2402.312	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.652	2440.308	0.5	PASS
BLE_1M	Ant1	2480	0.652	2479.652	2480.304	0.5	PASS
BLE_2M	Ant1	2402	0.944	2401.556	2402.500	0.5	PASS
BLE_2M	Ant1	2440	0.928	2439.456	2440.384	0.5	PASS
BLE_2M	Ant1	2480	1.088	2479.448	2480.536	0.5	PASS

Test Graphs



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Appendix B: 99% Occupied Bandwidth

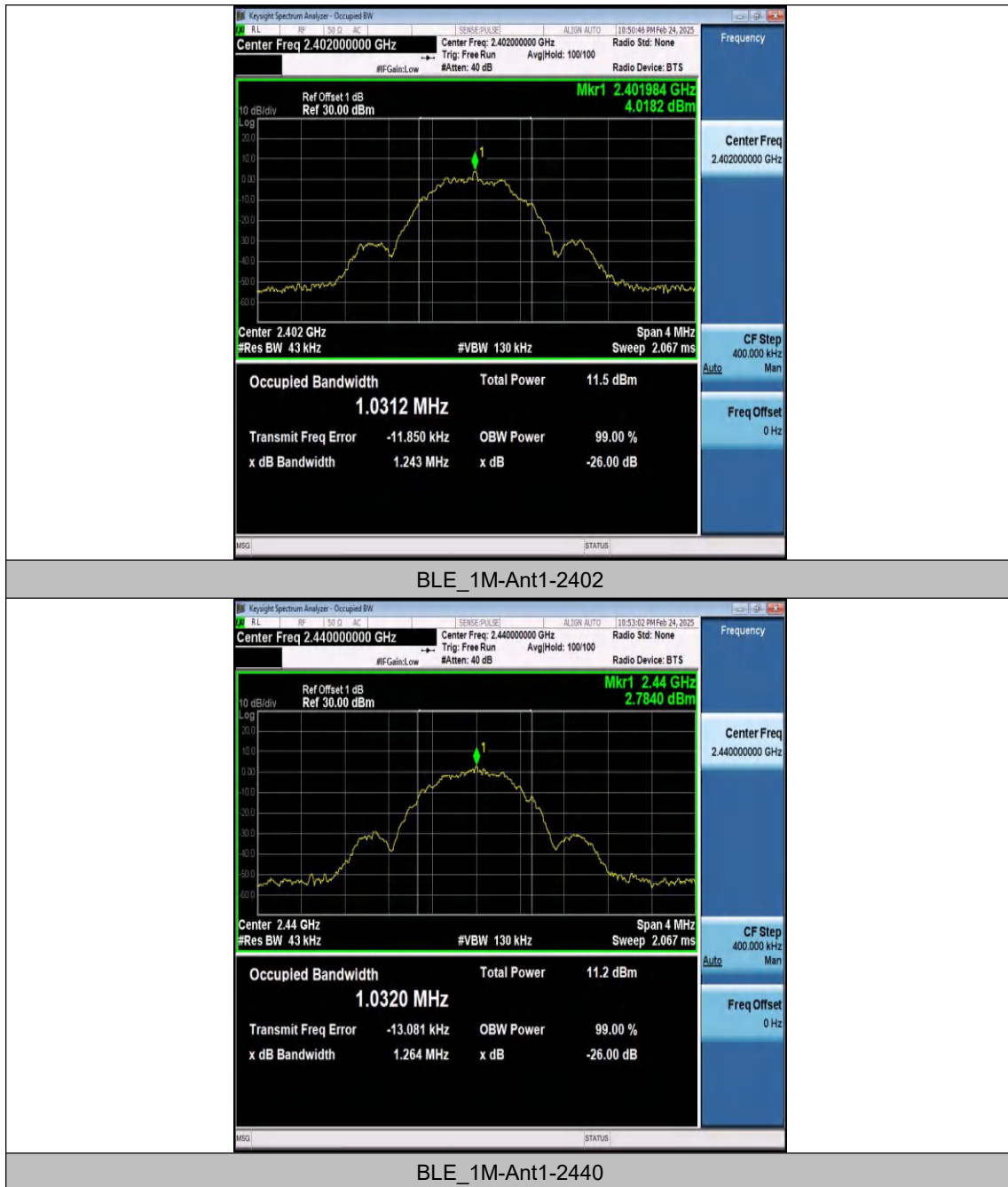
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0312	2401.4726	2402.5038	---	---
BLE_1M	Ant1	2440	1.0320	2439.4709	2440.5029	---	---
BLE_1M	Ant1	2480	1.0319	2479.4615	2480.4934	---	---
BLE_2M	Ant1	2402	2.0684	2400.9702	2403.0386	---	---
BLE_2M	Ant1	2440	2.0683	2438.9747	2441.0430	---	---
BLE_2M	Ant1	2480	2.0575	2478.9792	2481.0367	---	---

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Test Graphs



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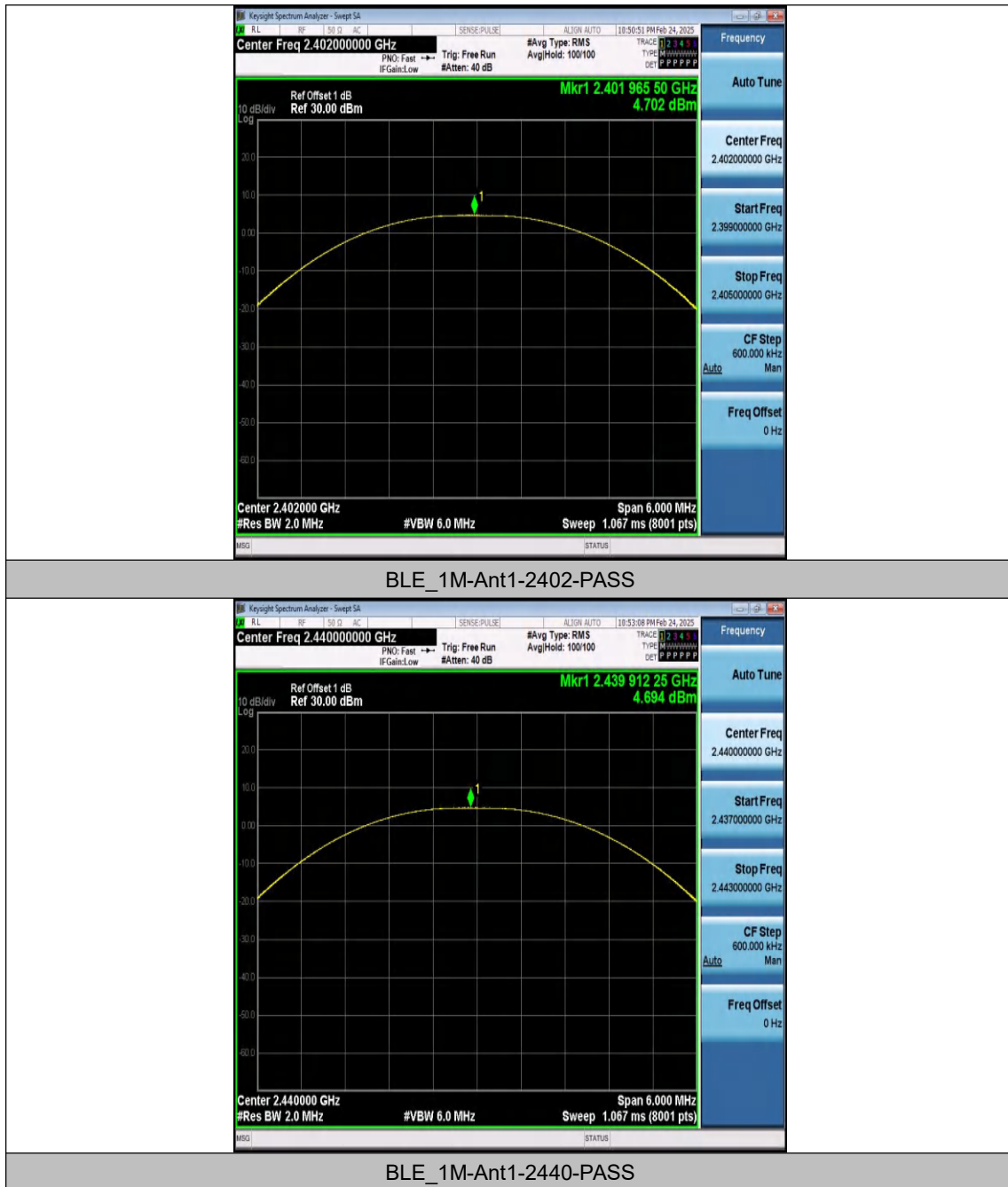
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.70	≤30	PASS
BLE_1M	Ant1	2440	4.69	≤30	PASS
BLE_1M	Ant1	2480	5.44	≤30	PASS
BLE_2M	Ant1	2402	2.85	≤30	PASS
BLE_2M	Ant1	2440	2.45	≤30	PASS
BLE_2M	Ant1	2480	3.66	≤30	PASS

Test Graphs Peak

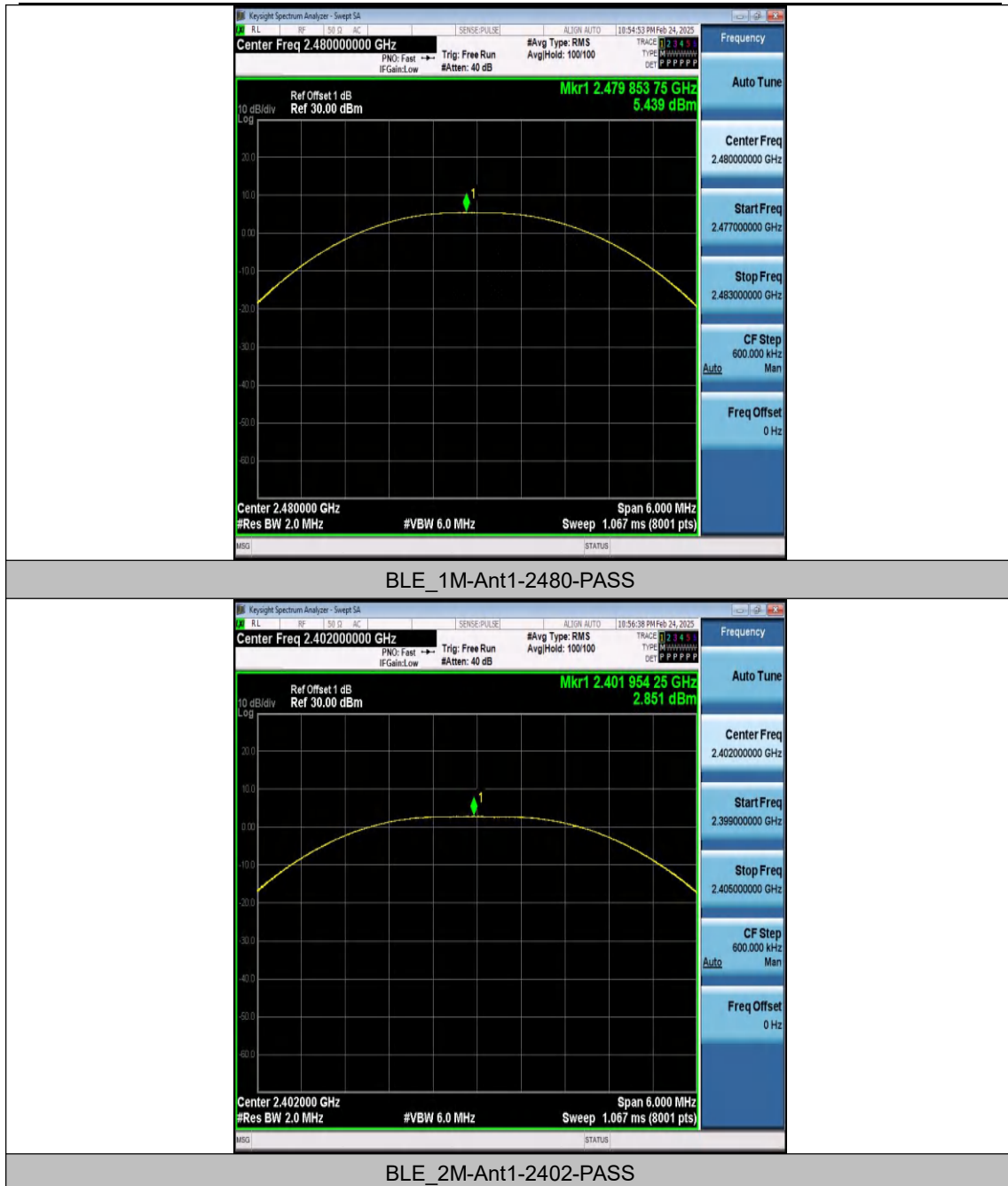


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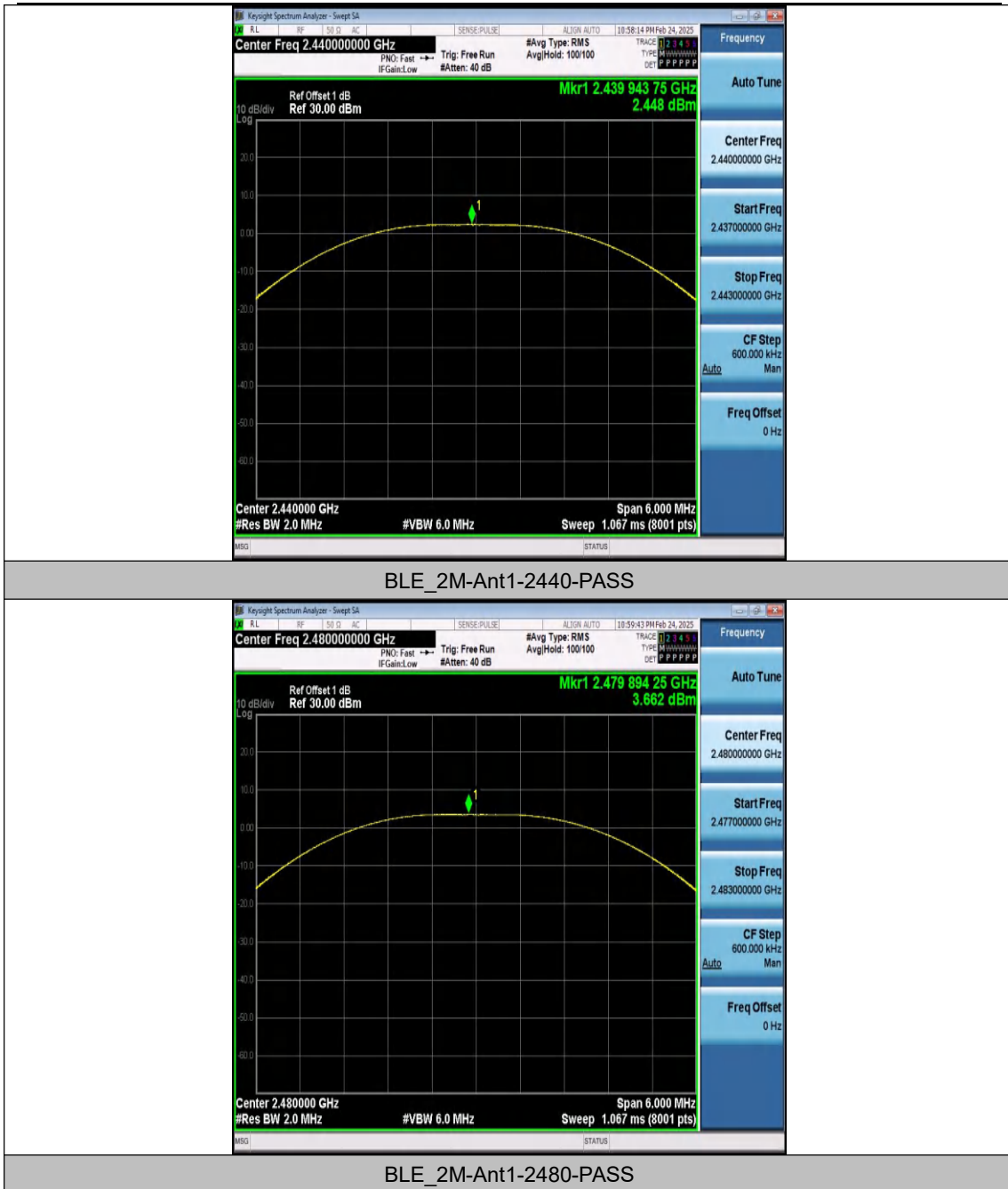


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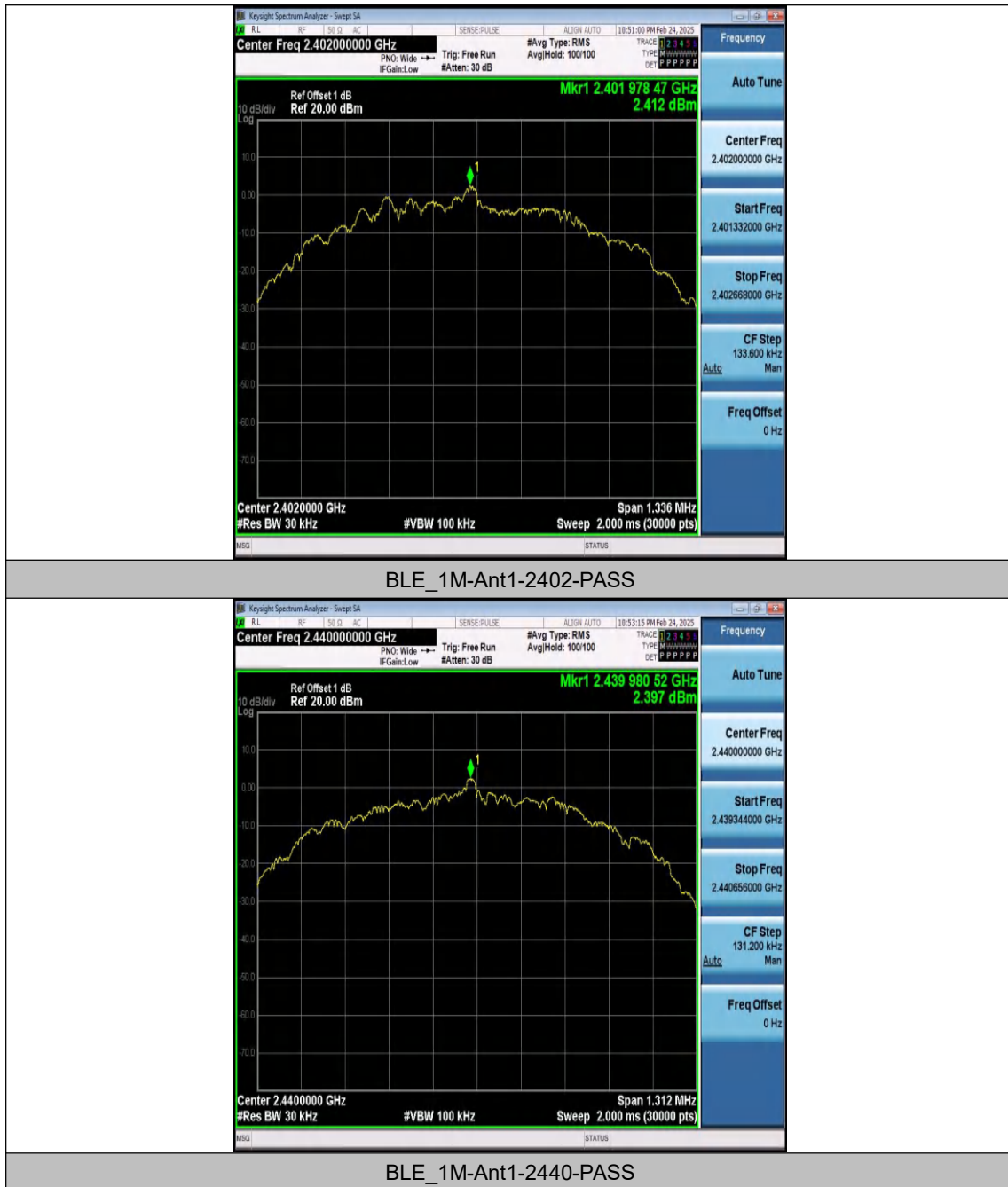
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	2.41	≤8.00	PASS
BLE_1M	Ant1	2440	2.40	≤8.00	PASS
BLE_1M	Ant1	2480	3.18	≤8.00	PASS
BLE_2M	Ant1	2402	-1.08	≤8.00	PASS
BLE_2M	Ant1	2440	-1.47	≤8.00	PASS
BLE_2M	Ant1	2480	-0.25	≤8.00	PASS



Test Graphs

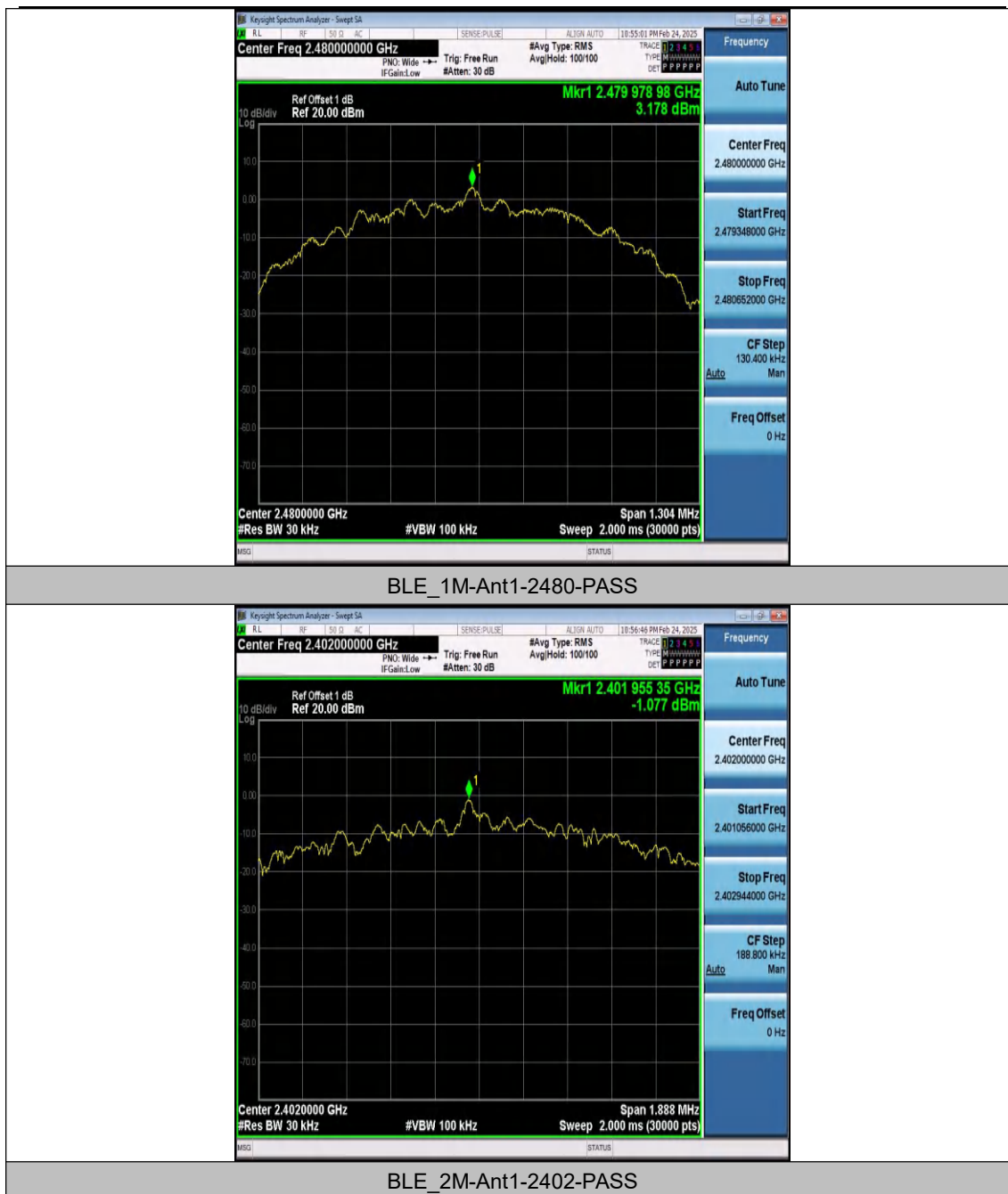


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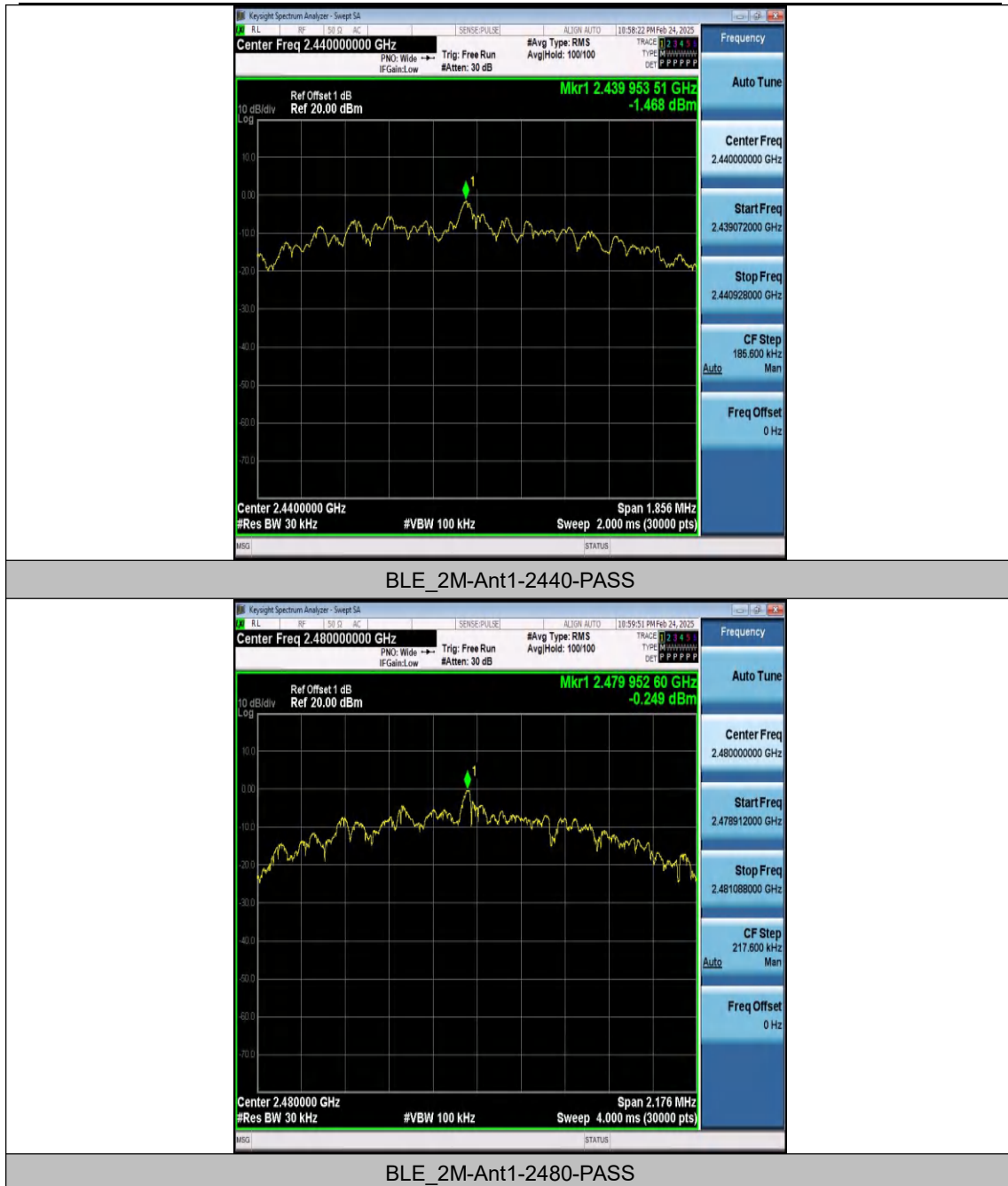


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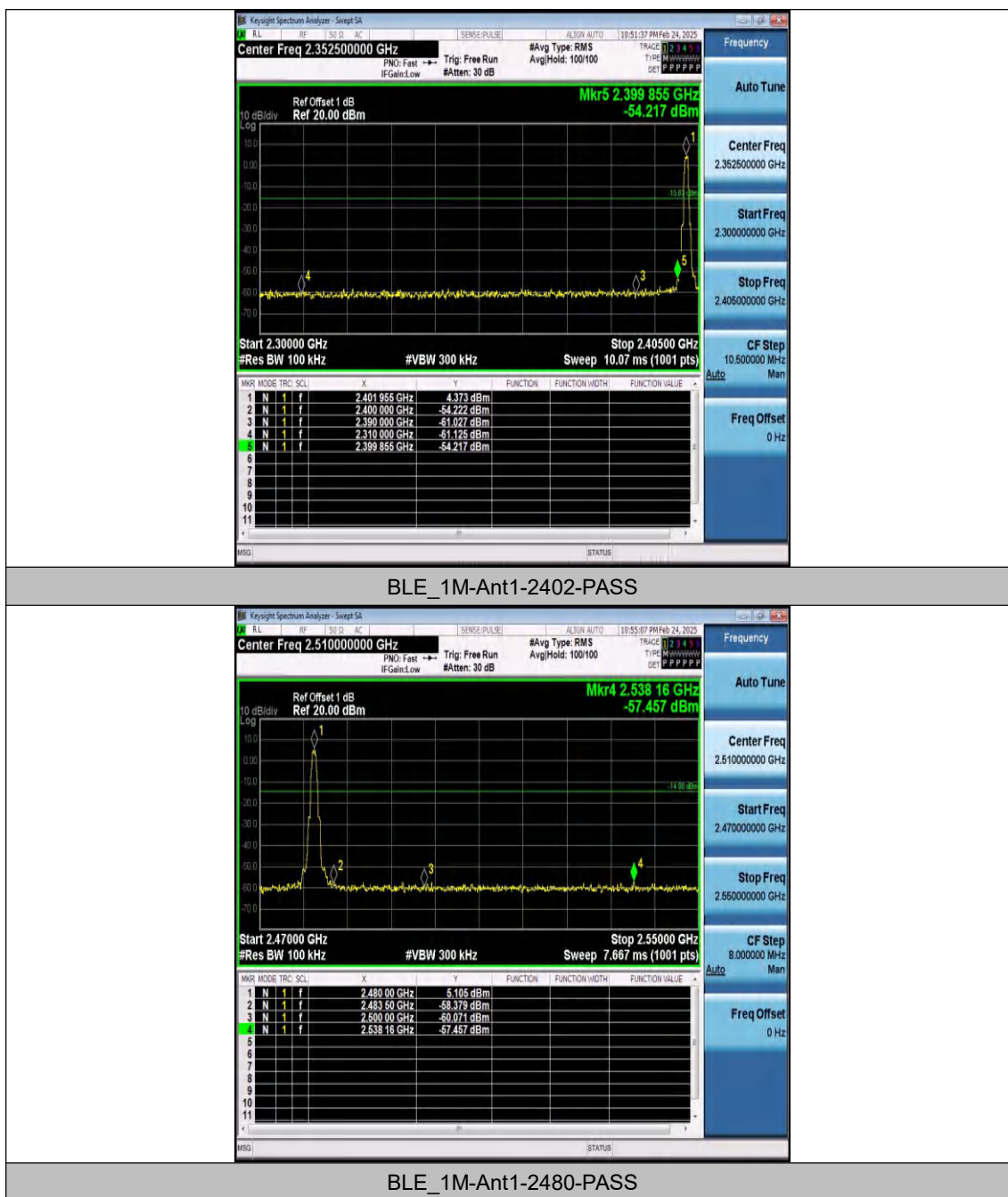
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.37	-54.22	≤-15.63	PASS
BLE_1M	Ant1	High	2480	5.11	-57.46	≤-14.9	PASS
BLE_2M	Ant1	Low	2402	2.41	-30.41	≤-17.59	PASS
BLE_2M	Ant1	High	2480	3.14	-57	≤-16.86	PASS



Test Graphs



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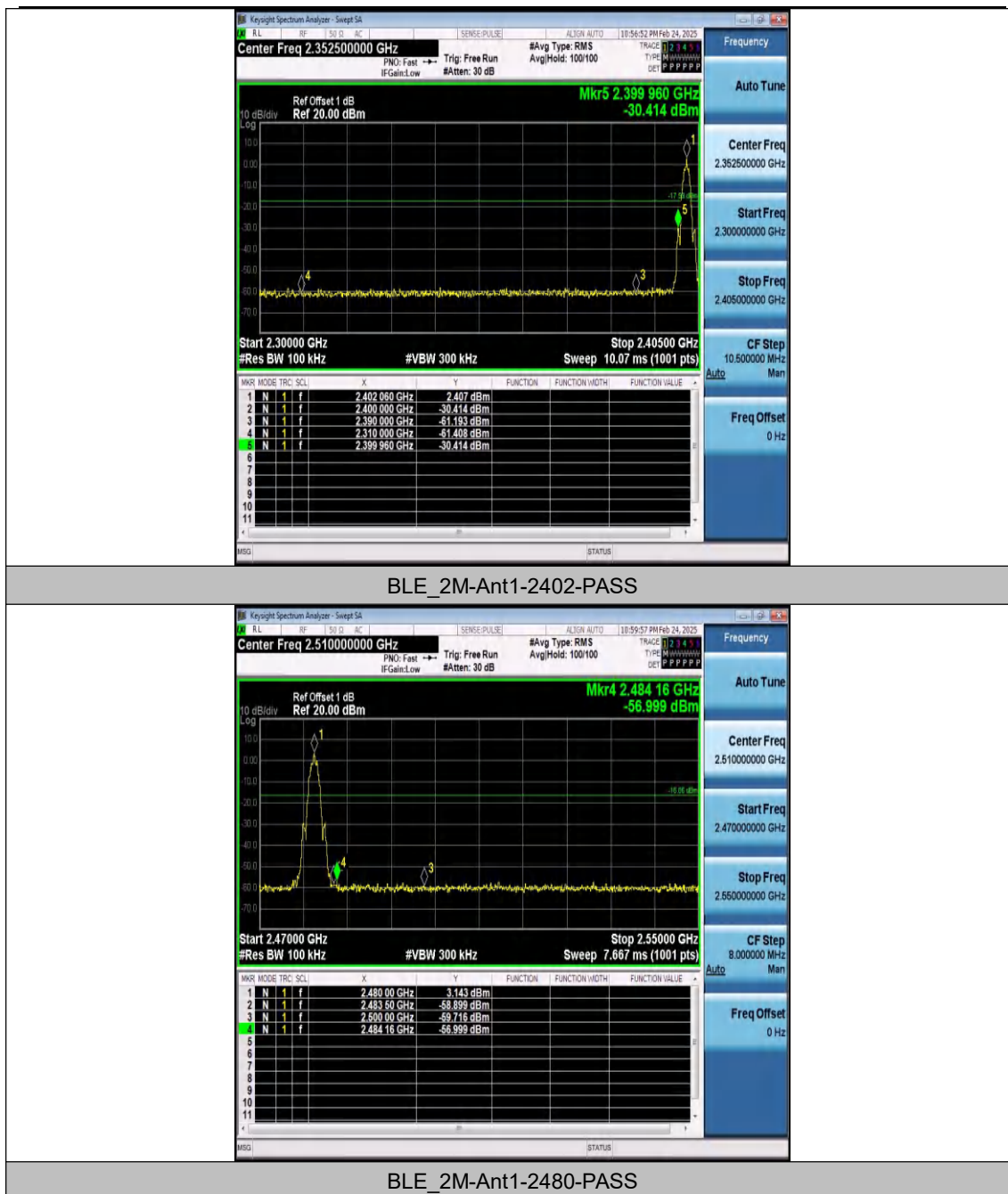
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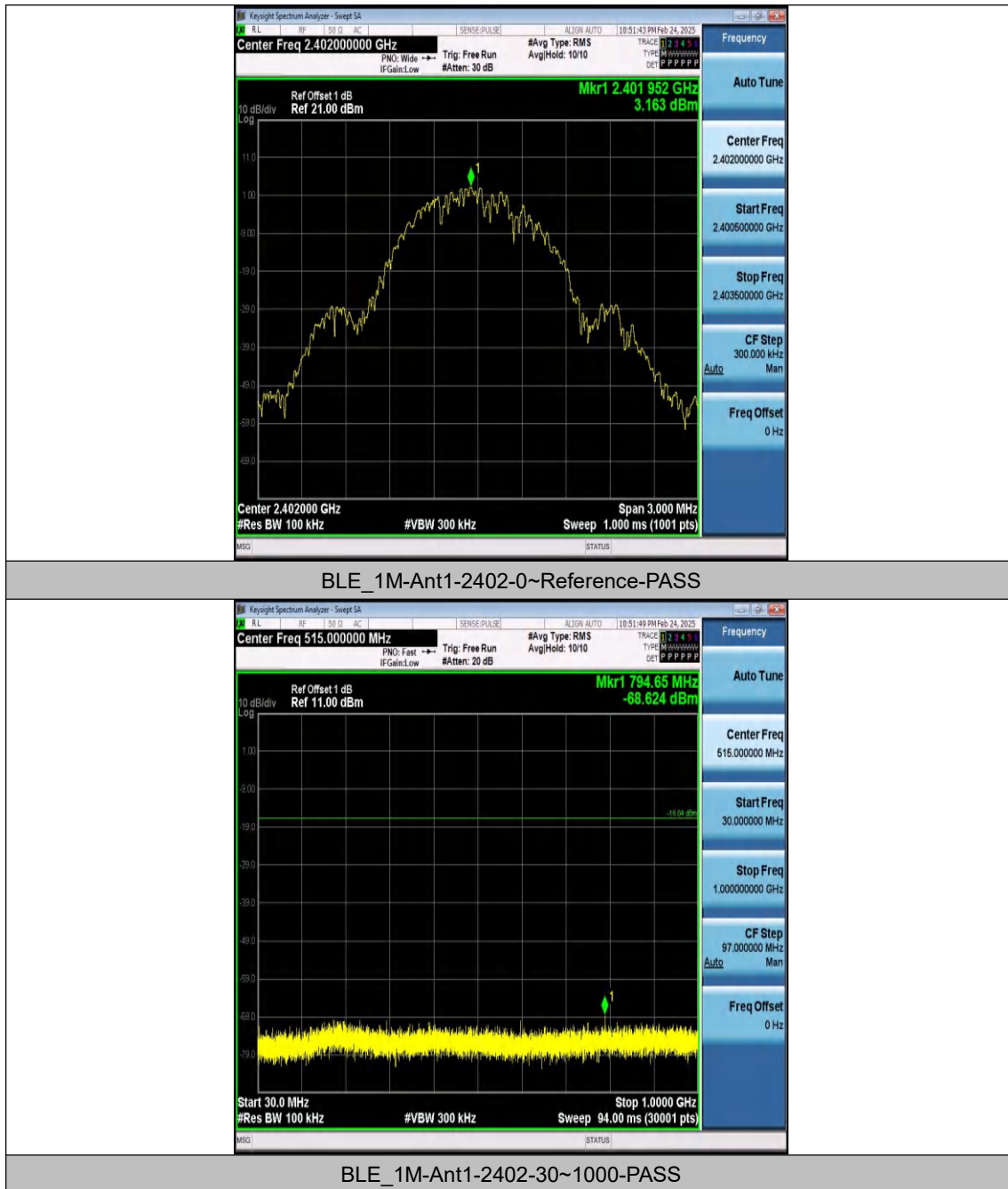


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.16	3.16	---	PASS
BLE_1M	Ant1	2402	30~1000	3.16	-68.62	≤-16.84	PASS
BLE_1M	Ant1	2402	1000~26500	3.16	-53.28	≤-16.84	PASS
BLE_1M	Ant1	2440	0~Reference	3.86	3.86	---	PASS
BLE_1M	Ant1	2440	30~1000	3.86	-68.85	≤-16.14	PASS
BLE_1M	Ant1	2440	1000~26500	3.86	-53.66	≤-16.14	PASS
BLE_1M	Ant1	2480	0~Reference	3.36	3.36	---	PASS
BLE_1M	Ant1	2480	30~1000	3.36	-69.05	≤-16.64	PASS
BLE_1M	Ant1	2480	1000~26500	3.36	-53.95	≤-16.64	PASS
BLE_2M	Ant1	2402	0~Reference	-2.16	-2.16	---	PASS
BLE_2M	Ant1	2402	30~1000	-2.16	-69.2	≤-22.16	PASS
BLE_2M	Ant1	2402	1000~26500	-2.16	-53.82	≤-22.16	PASS
BLE_2M	Ant1	2440	0~Reference	1.31	1.31	---	PASS
BLE_2M	Ant1	2440	30~1000	1.31	-69.62	≤-18.69	PASS
BLE_2M	Ant1	2440	1000~26500	1.31	-53.82	≤-18.69	PASS
BLE_2M	Ant1	2480	0~Reference	0.46	0.46	---	PASS
BLE_2M	Ant1	2480	30~1000	0.46	-69.69	≤-19.54	PASS
BLE_2M	Ant1	2480	1000~26500	0.46	-53.9	≤-19.54	PASS

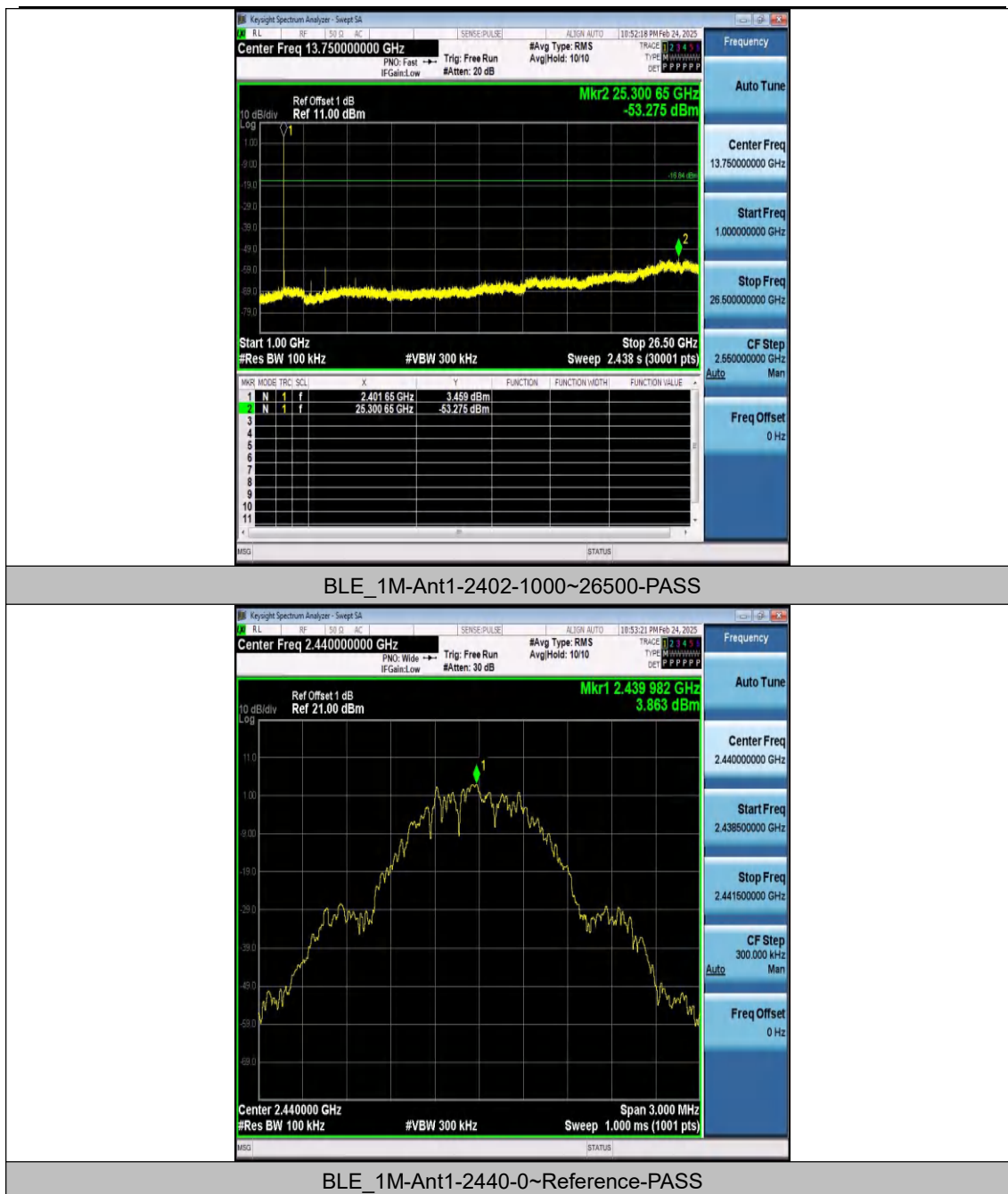
Test Graphs



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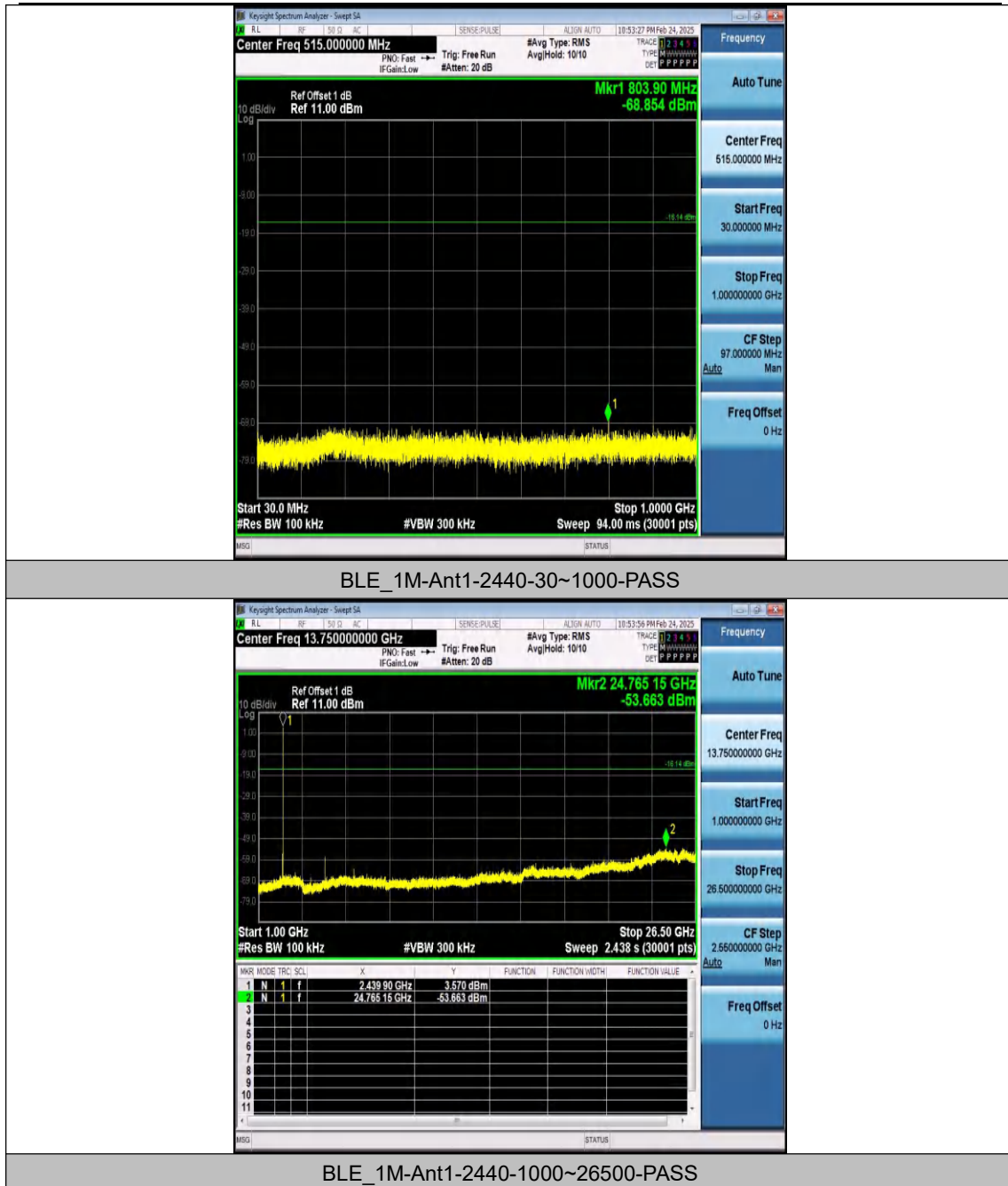


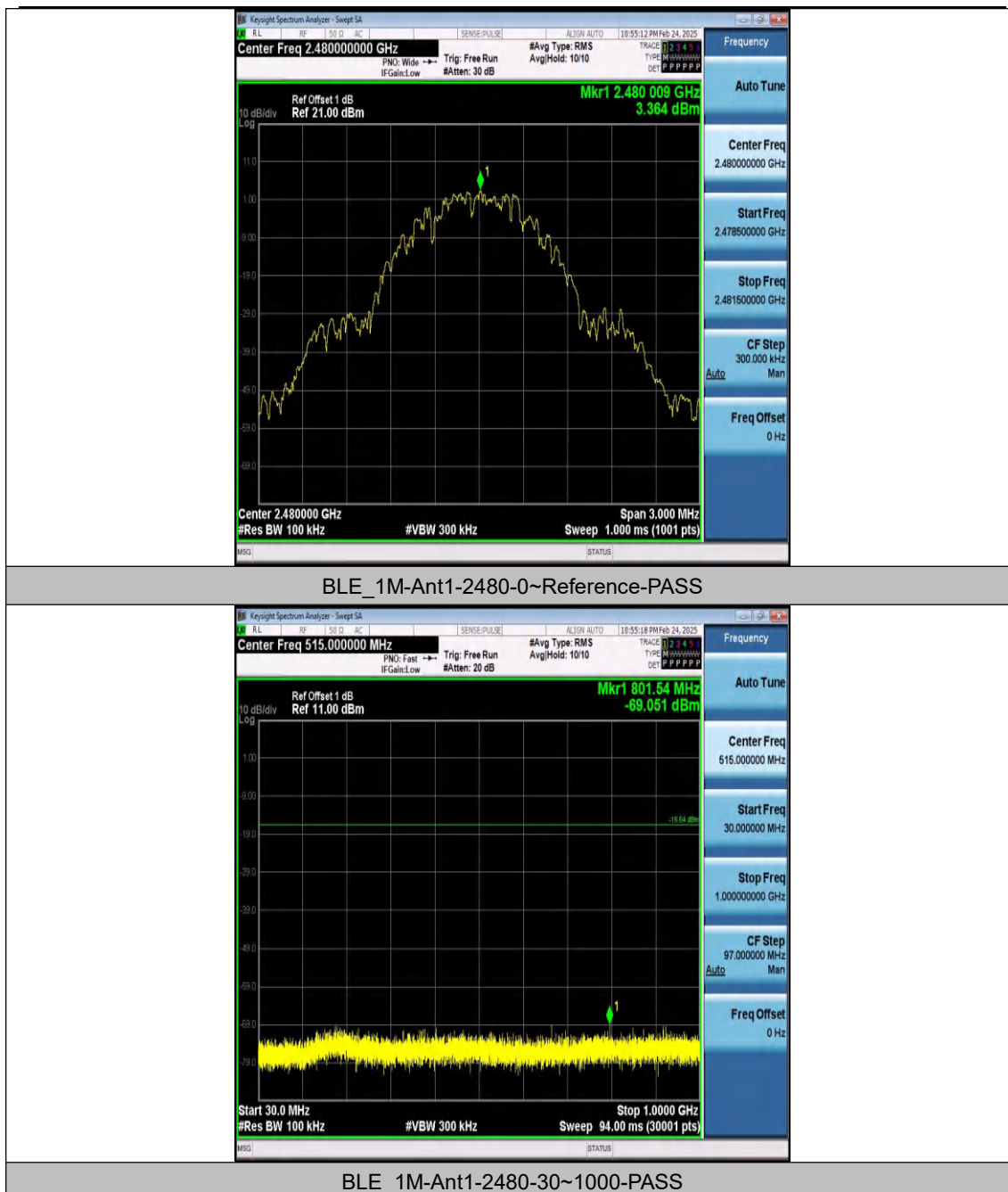
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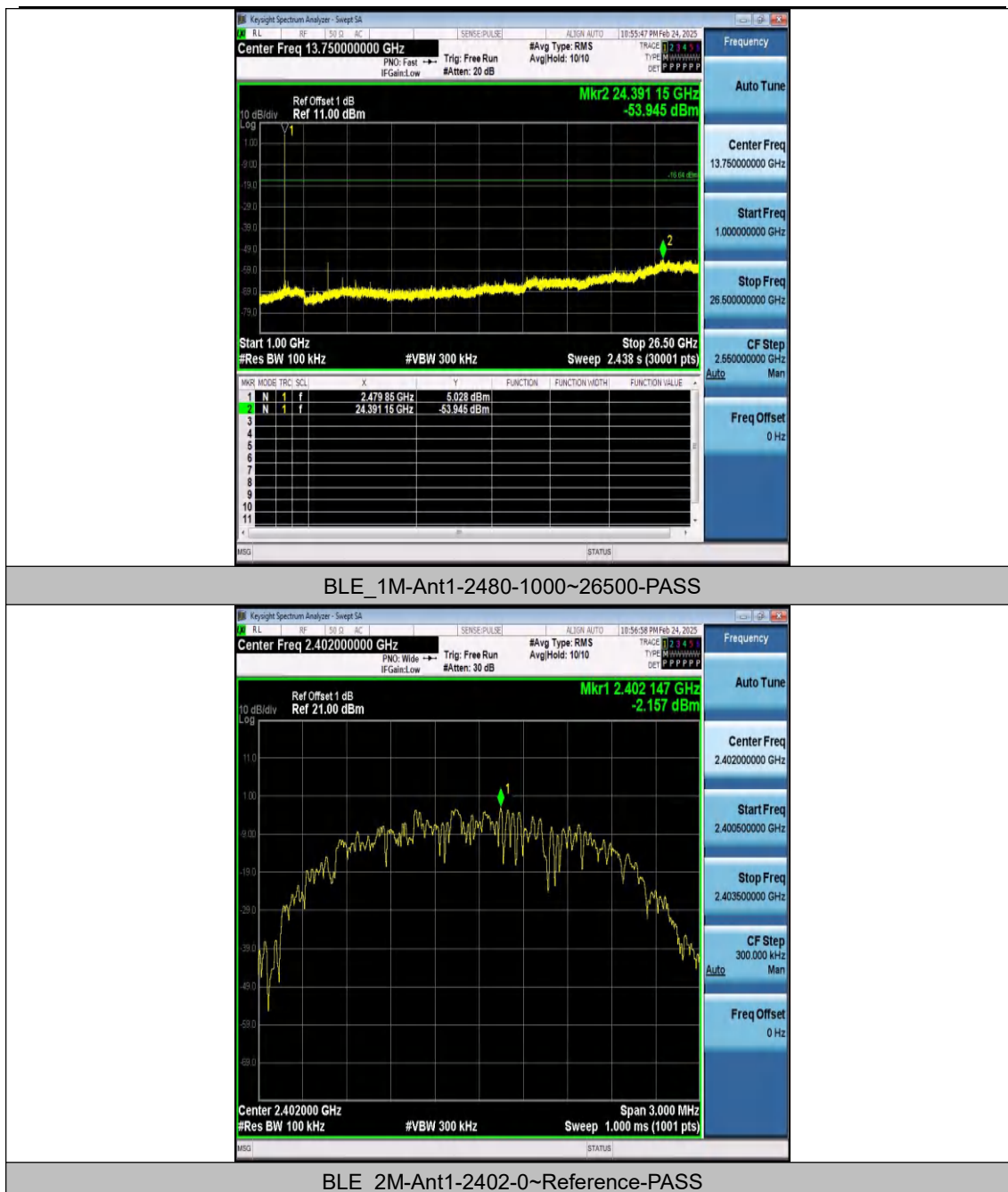


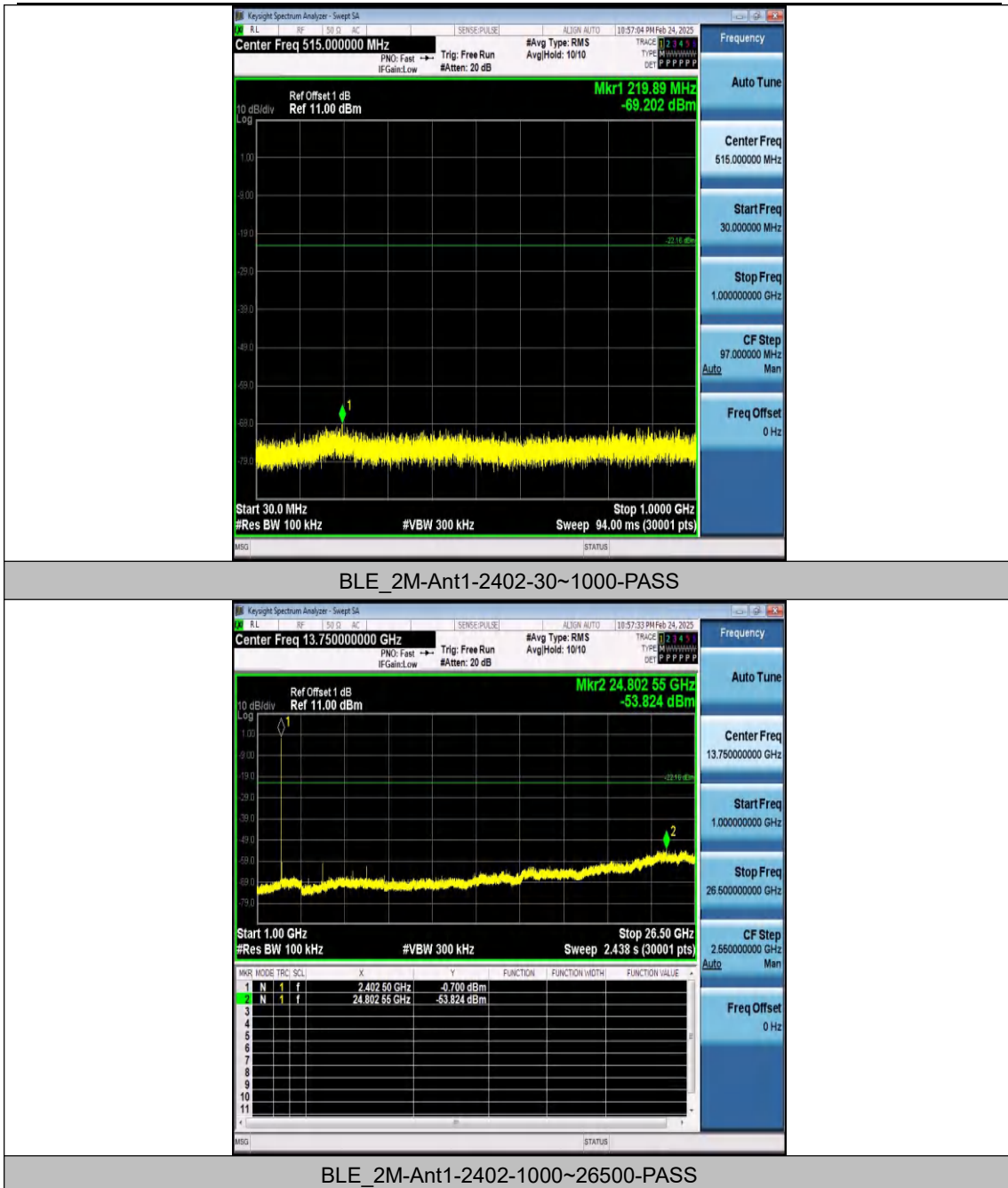
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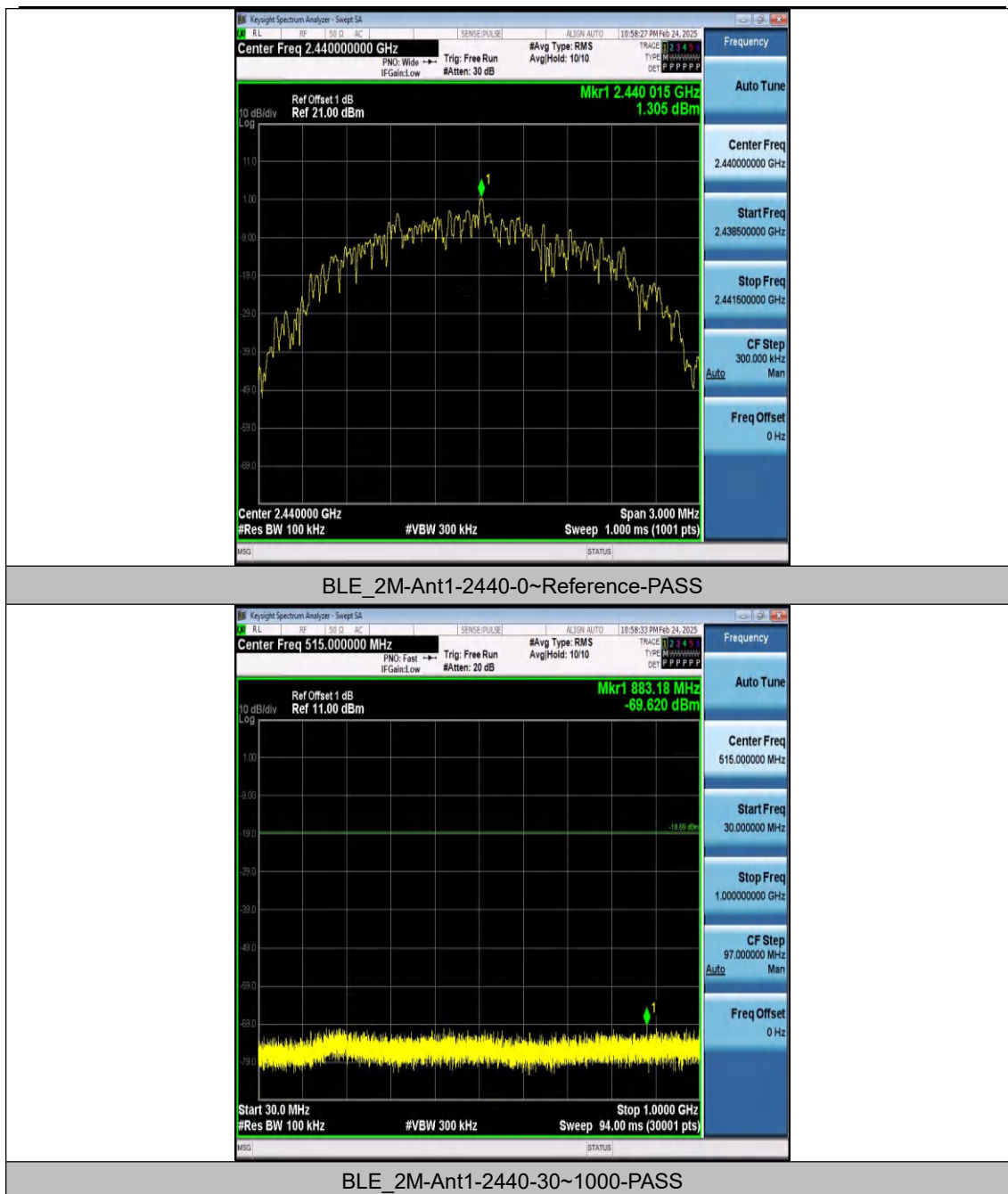
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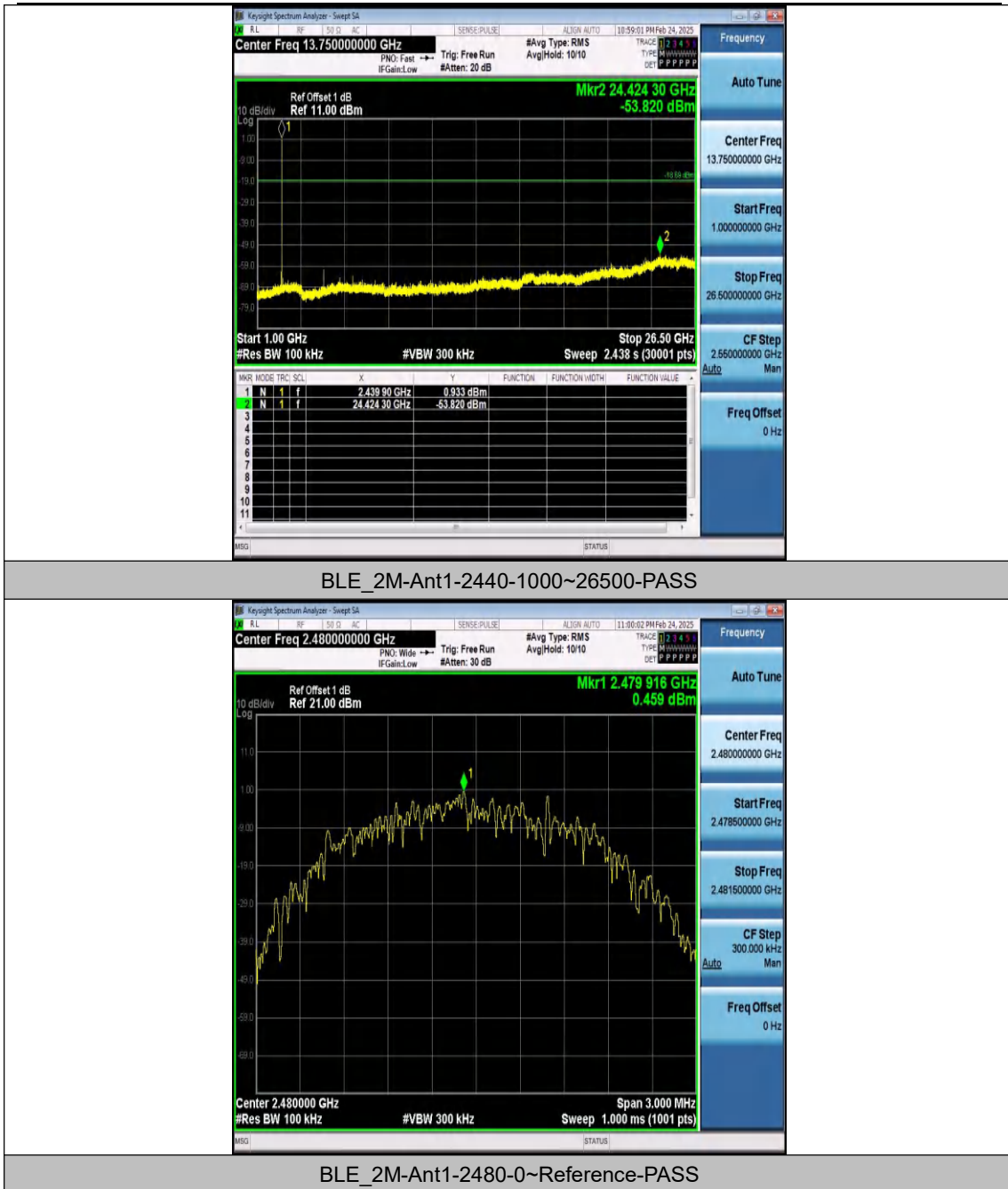


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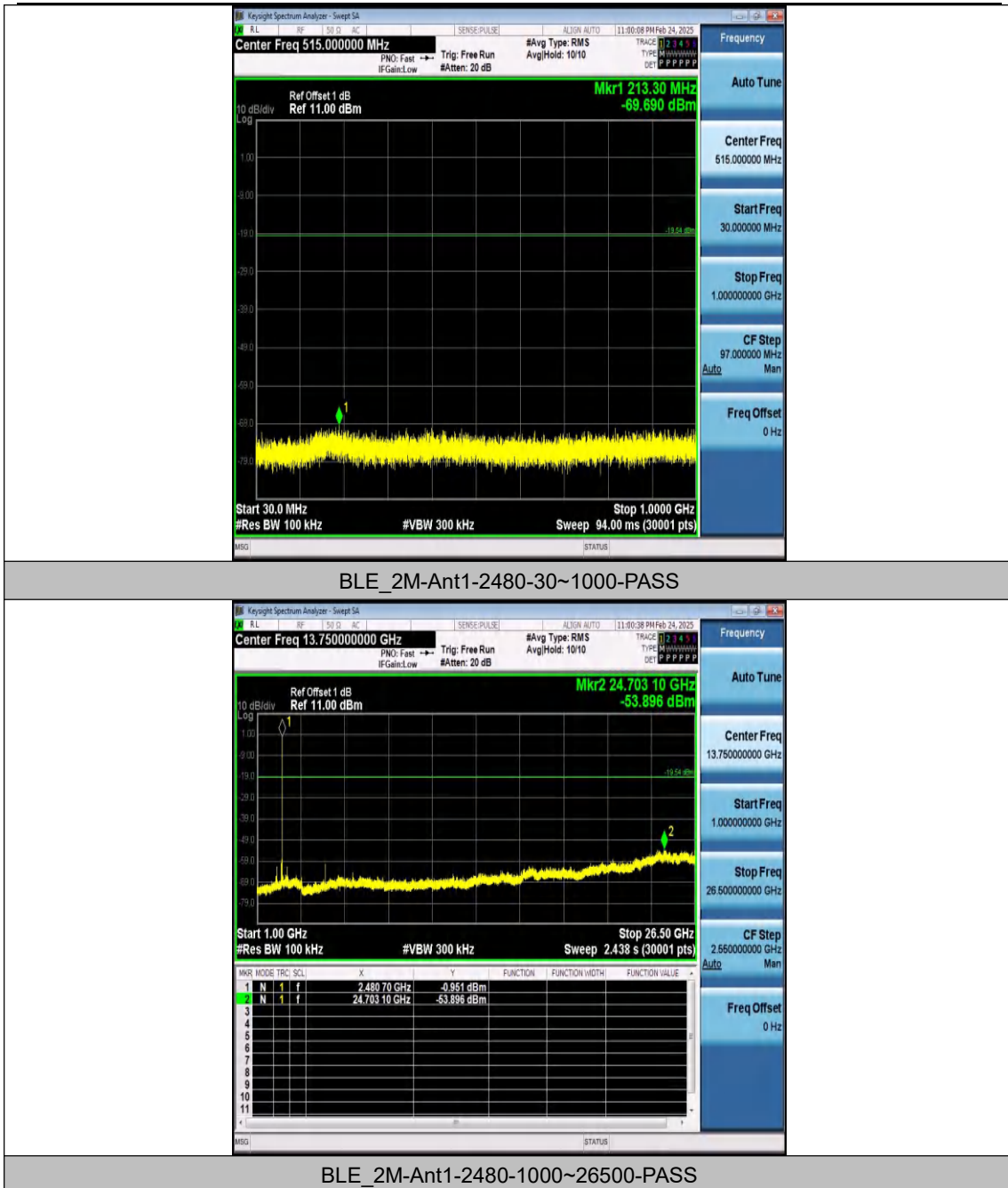
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2440	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08
BLE_2M	Ant1	2402	0.20	0.62	32.26	4.91
BLE_2M	Ant1	2440	0.21	0.62	33.87	4.70
BLE_2M	Ant1	2480	0.21	0.63	33.33	4.77

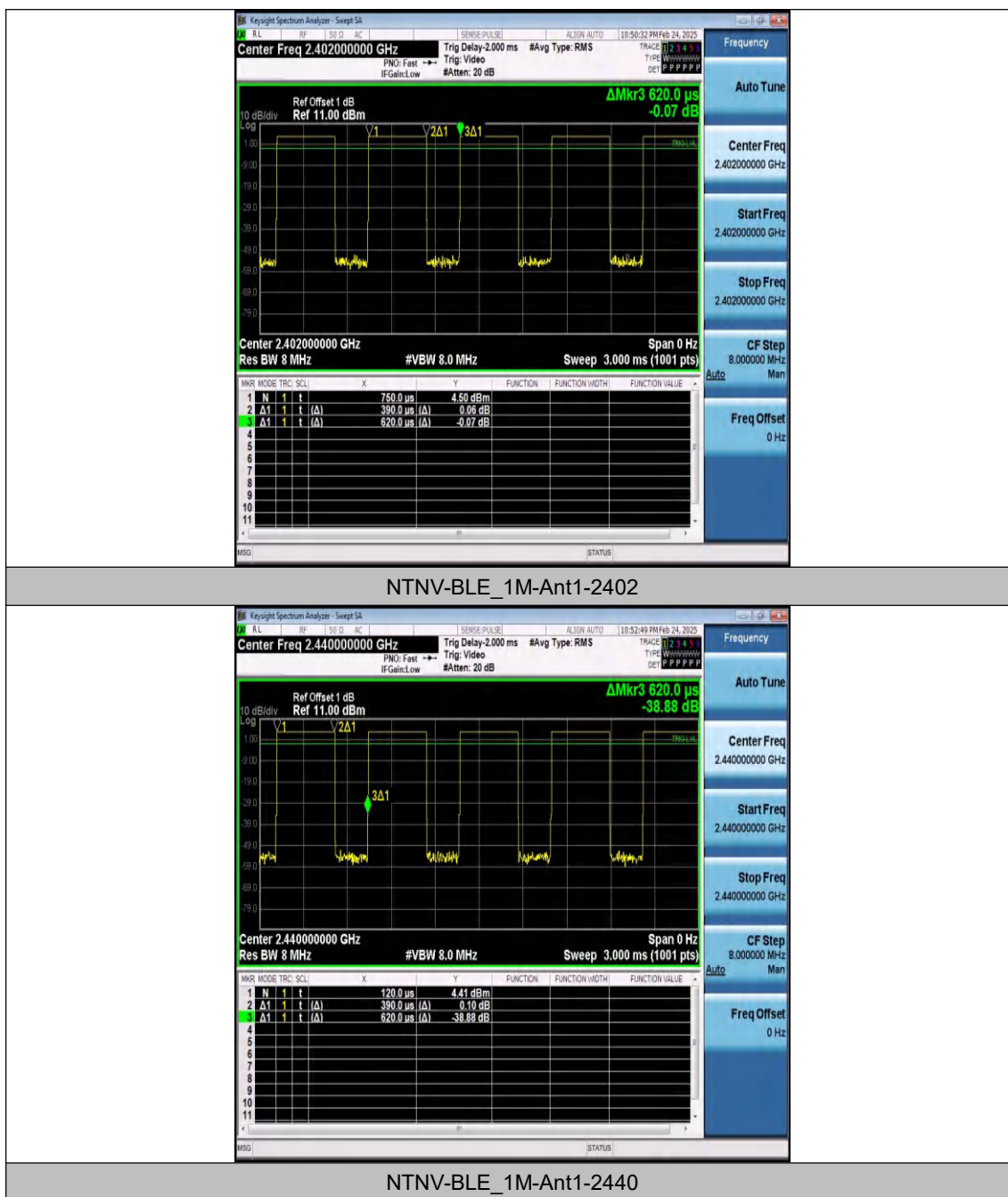
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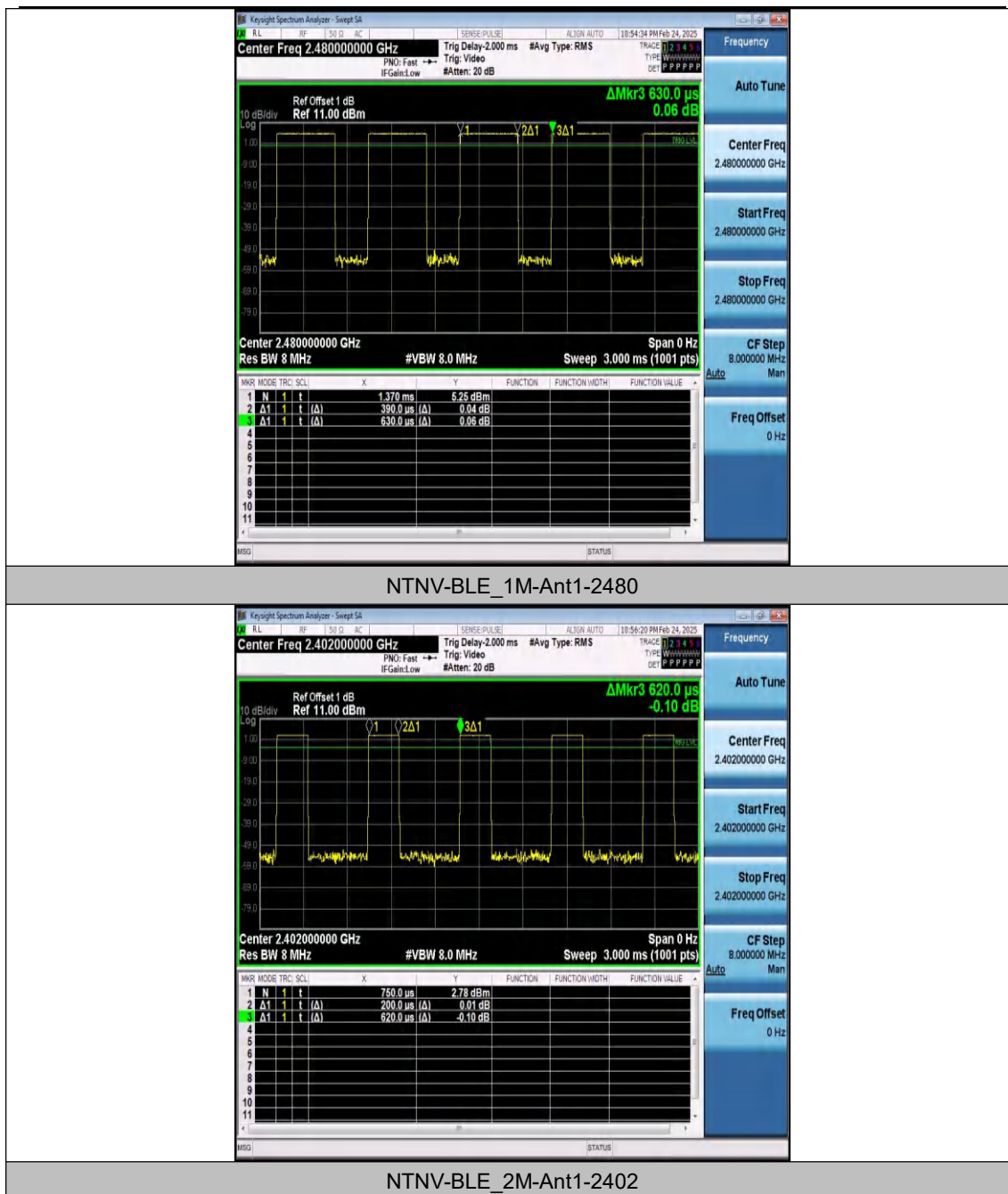
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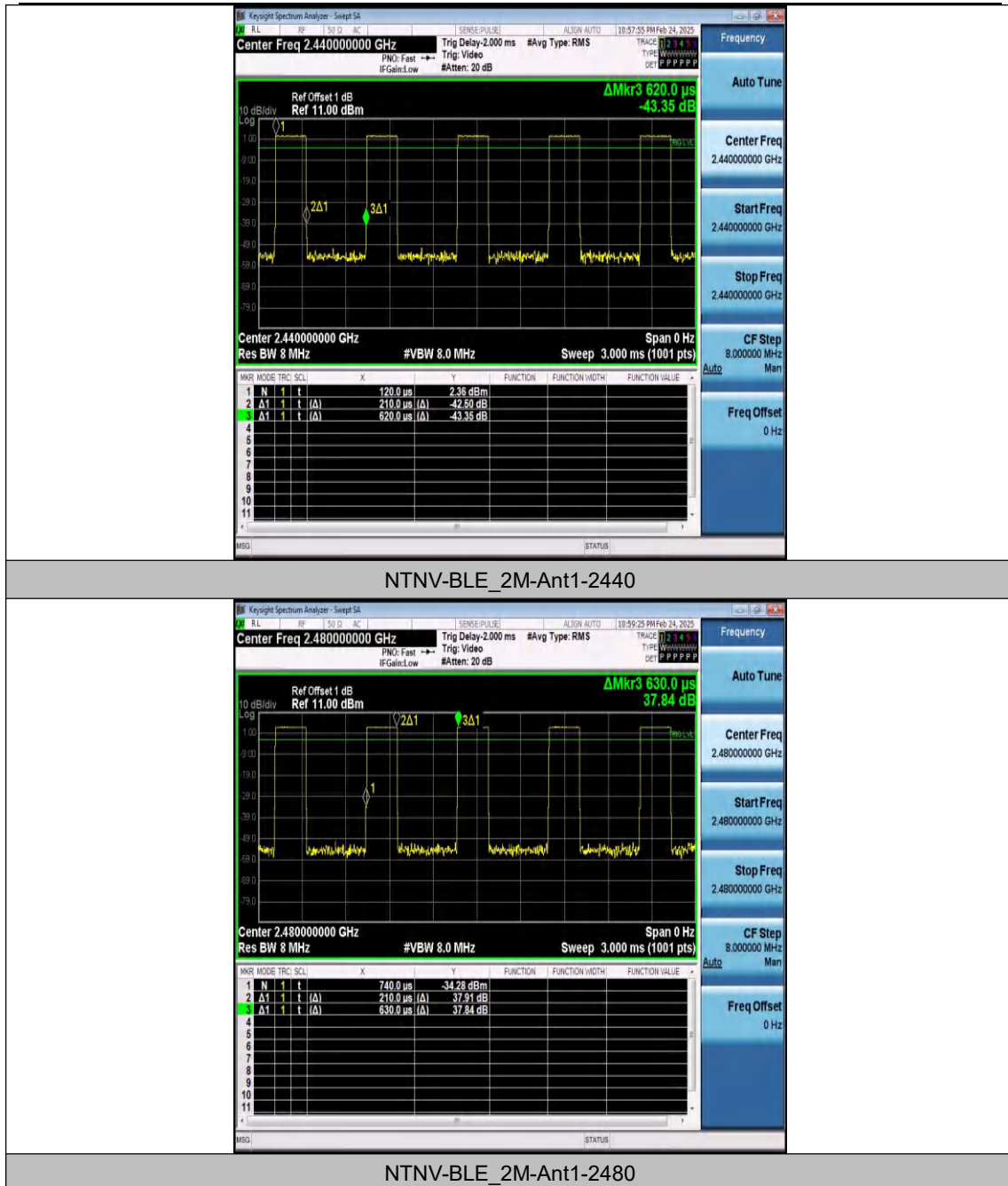


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Test Graphs







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