

Appendix Test Data

Report No.:	1812C60513312501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-9-3	Finish Test Date:	2026-9-9
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.5°C	Relative Humidity:	65%
Pressure:	100.3kPa		



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	2401.664	2402.372	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.676	2440.372	0.5	PASS
BLE_1M	Ant1	2480	0.648	2479.696	2480.344	0.5	PASS
BLE_2M	Ant1	2402	1.148	2401.444	2402.592	0.5	PASS
BLE_2M	Ant1	2440	1.184	2439.428	2440.612	0.5	PASS
BLE_2M	Ant1	2480	1.084	2479.468	2480.552	0.5	PASS

Test Graphs



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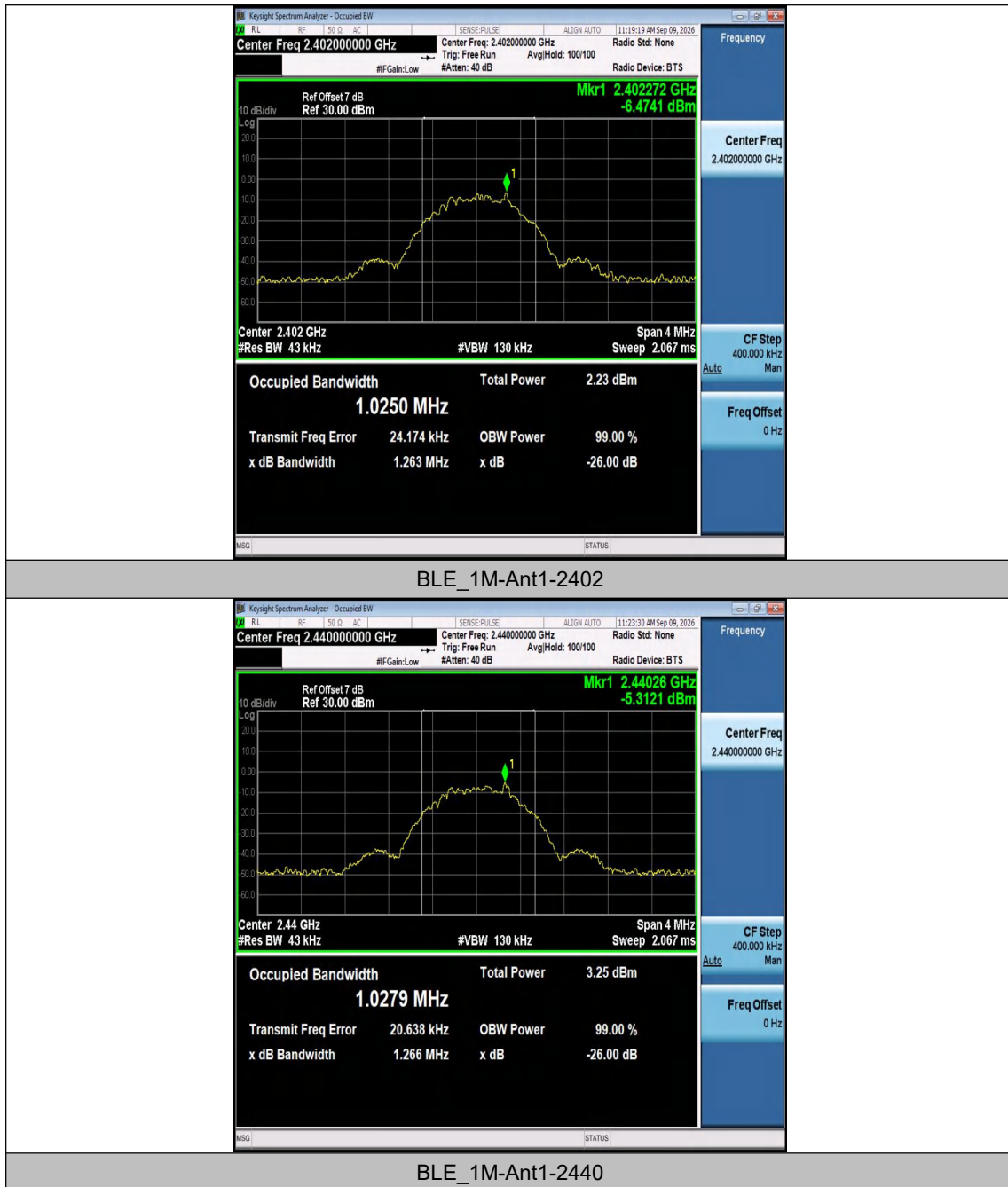
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0250	2401.5117	2402.5367	---	---
BLE_1M	Ant1	2440	1.0279	2439.5067	2440.5346	---	---
BLE_1M	Ant1	2480	1.0268	2479.5067	2480.5335	---	---
BLE_2M	Ant1	2402	2.0633	2401.0031	2403.0664	---	---
BLE_2M	Ant1	2440	2.0590	2439.0085	2441.0675	---	---
BLE_2M	Ant1	2480	2.0731	2479.0050	2481.0781	---	---

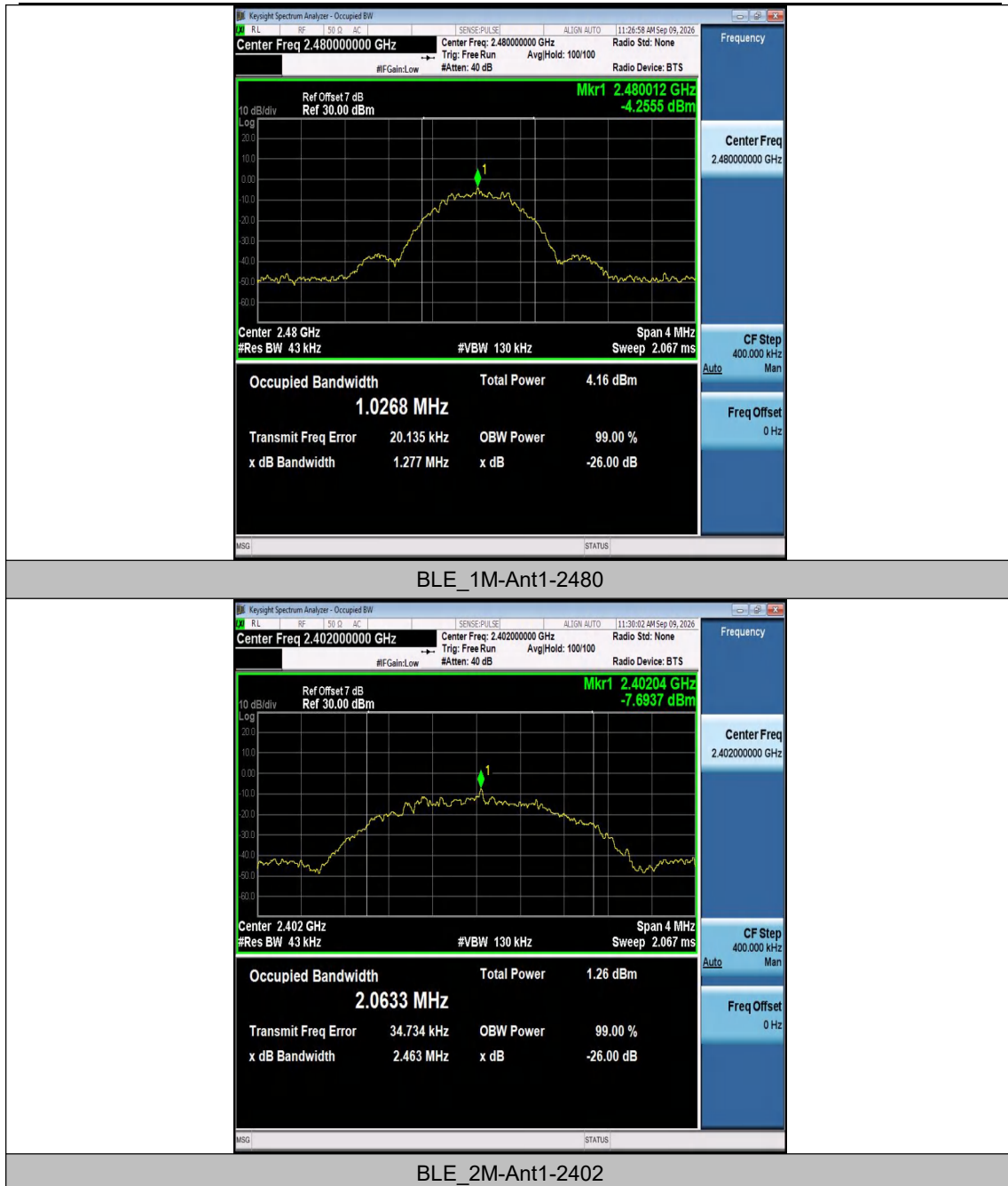
Test Graphs



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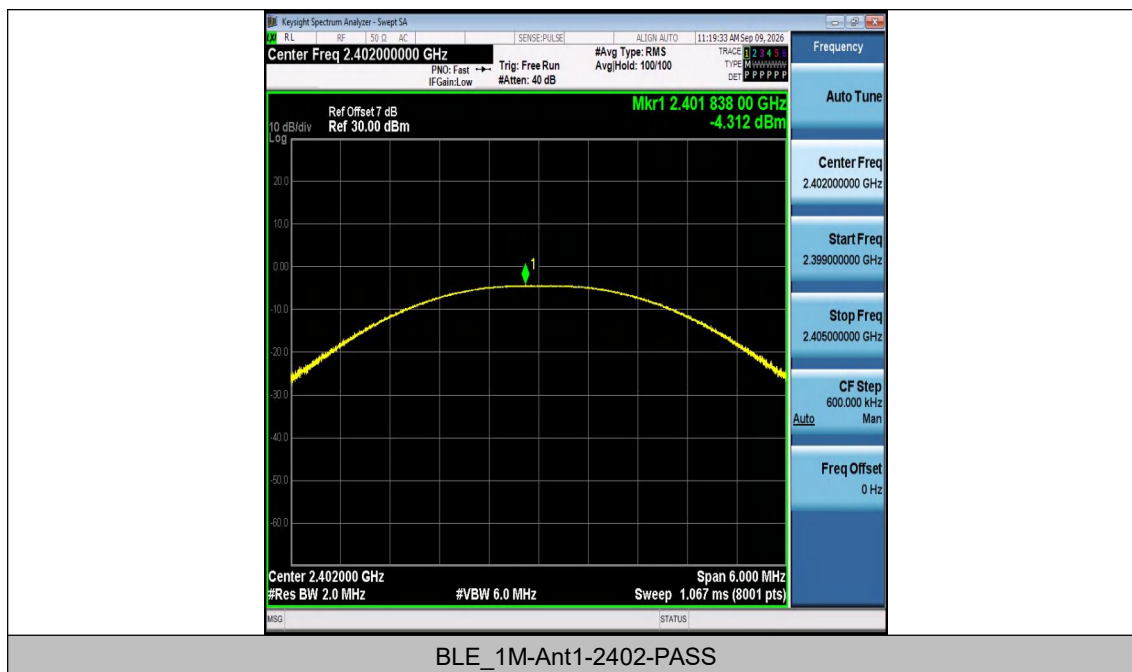
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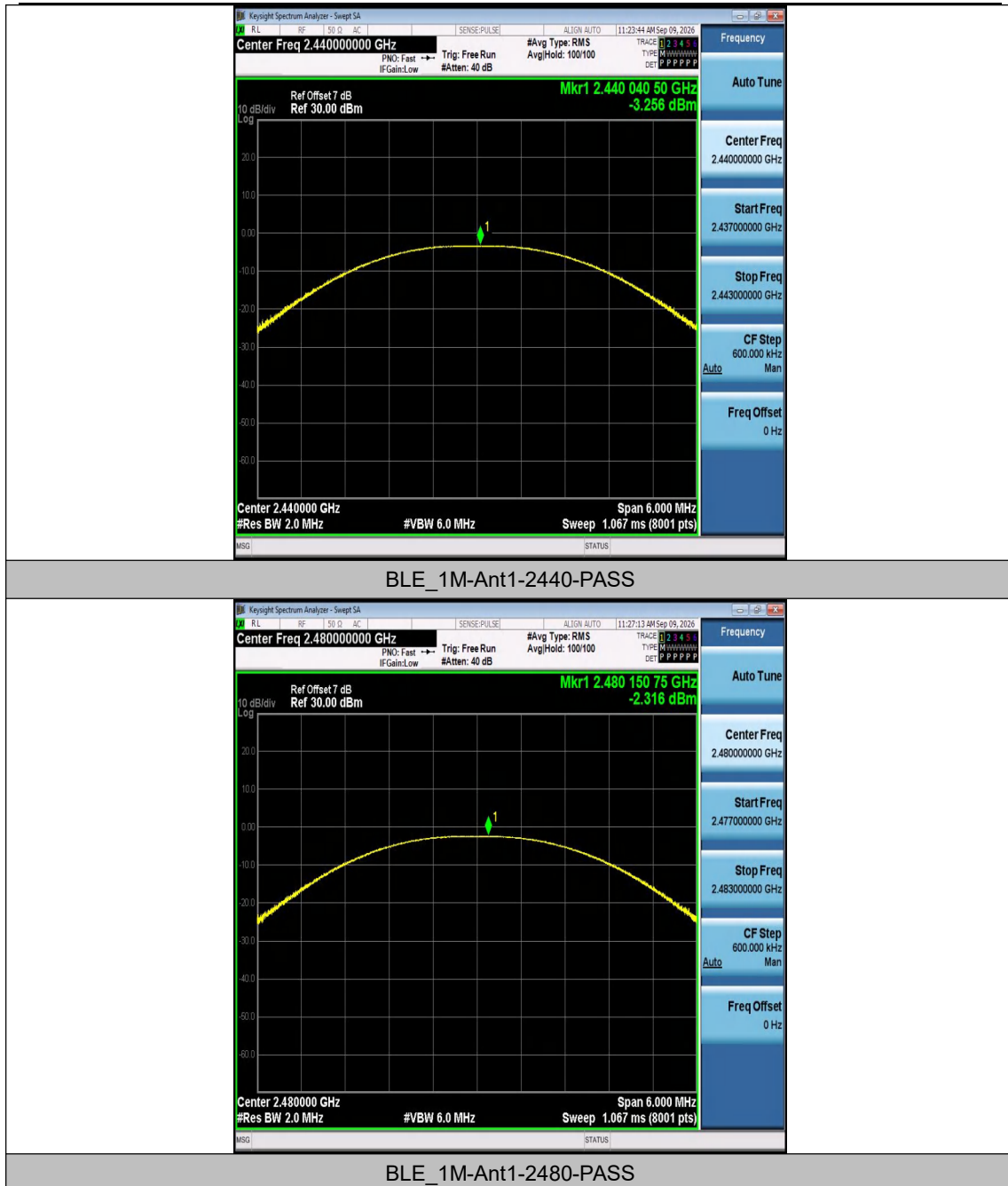
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-4.31	≤30	PASS
BLE_1M	Ant1	2440	-3.26	≤30	PASS
BLE_1M	Ant1	2480	-2.32	≤30	PASS
BLE_2M	Ant1	2402	-4.38	≤30	PASS
BLE_2M	Ant1	2440	-3.20	≤30	PASS
BLE_2M	Ant1	2480	-2.30	≤30	PASS

Test Graphs Peak

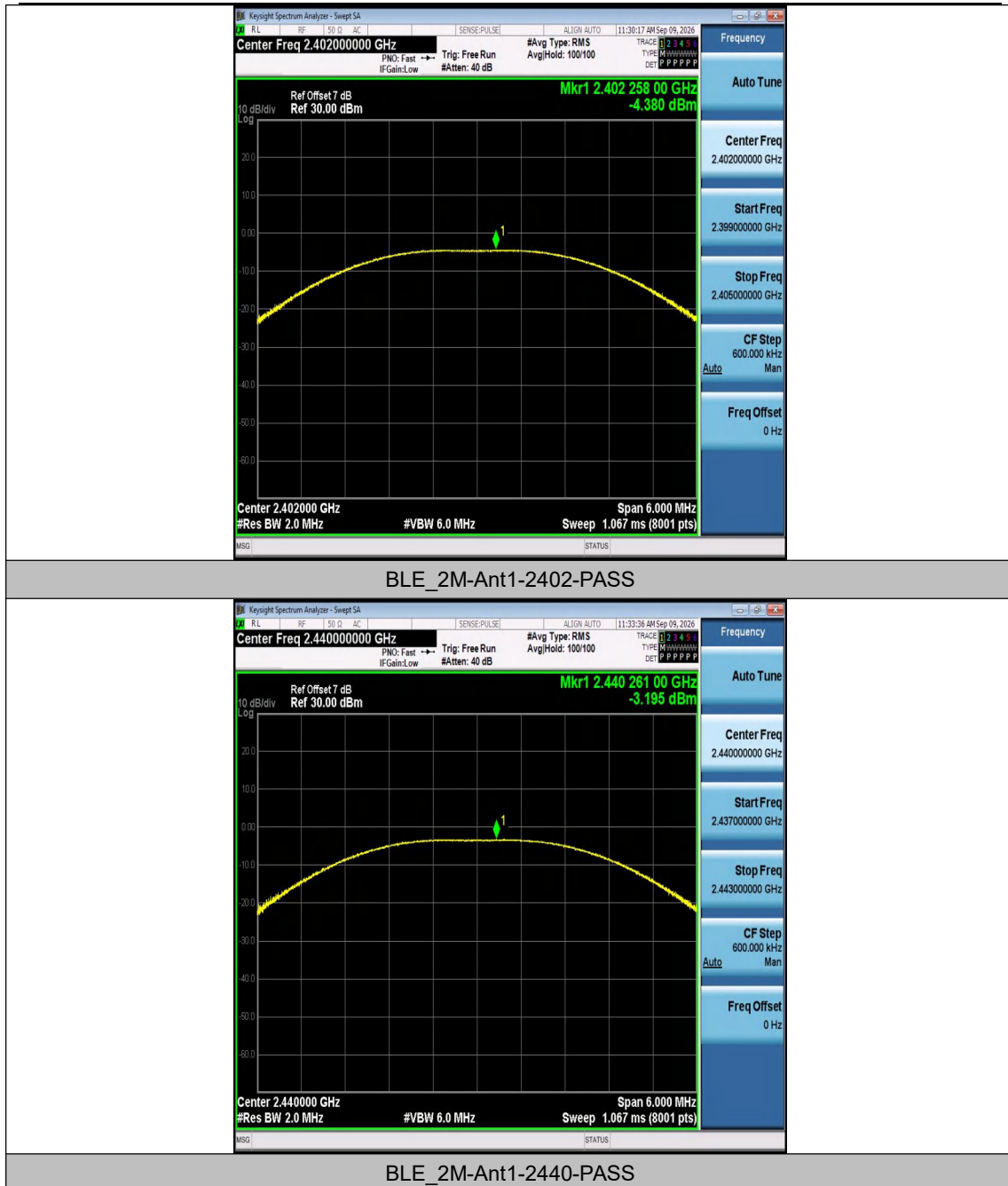




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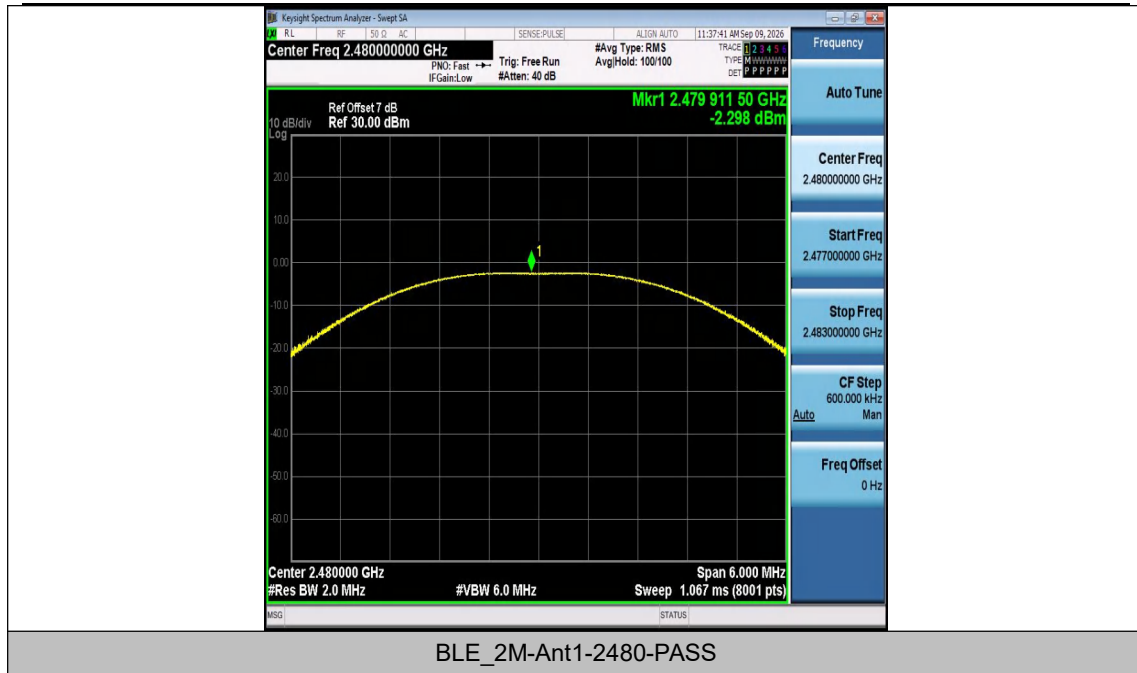
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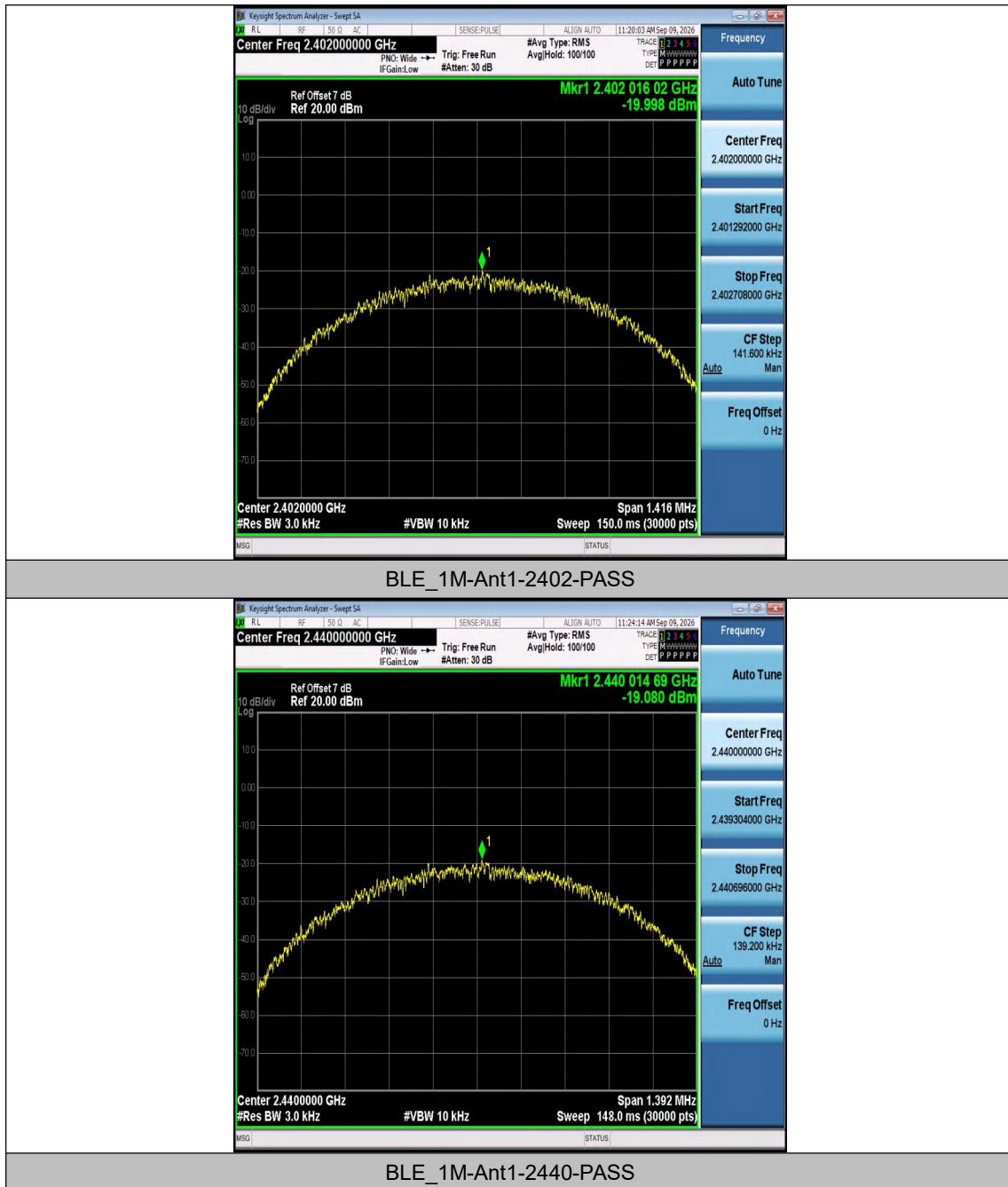
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.00	≤8.00	PASS
BLE_1M	Ant1	2440	-19.08	≤8.00	PASS
BLE_1M	Ant1	2480	-18.16	≤8.00	PASS
BLE_2M	Ant1	2402	-23.02	≤8.00	PASS
BLE_2M	Ant1	2440	-21.99	≤8.00	PASS
BLE_2M	Ant1	2480	-20.89	≤8.00	PASS

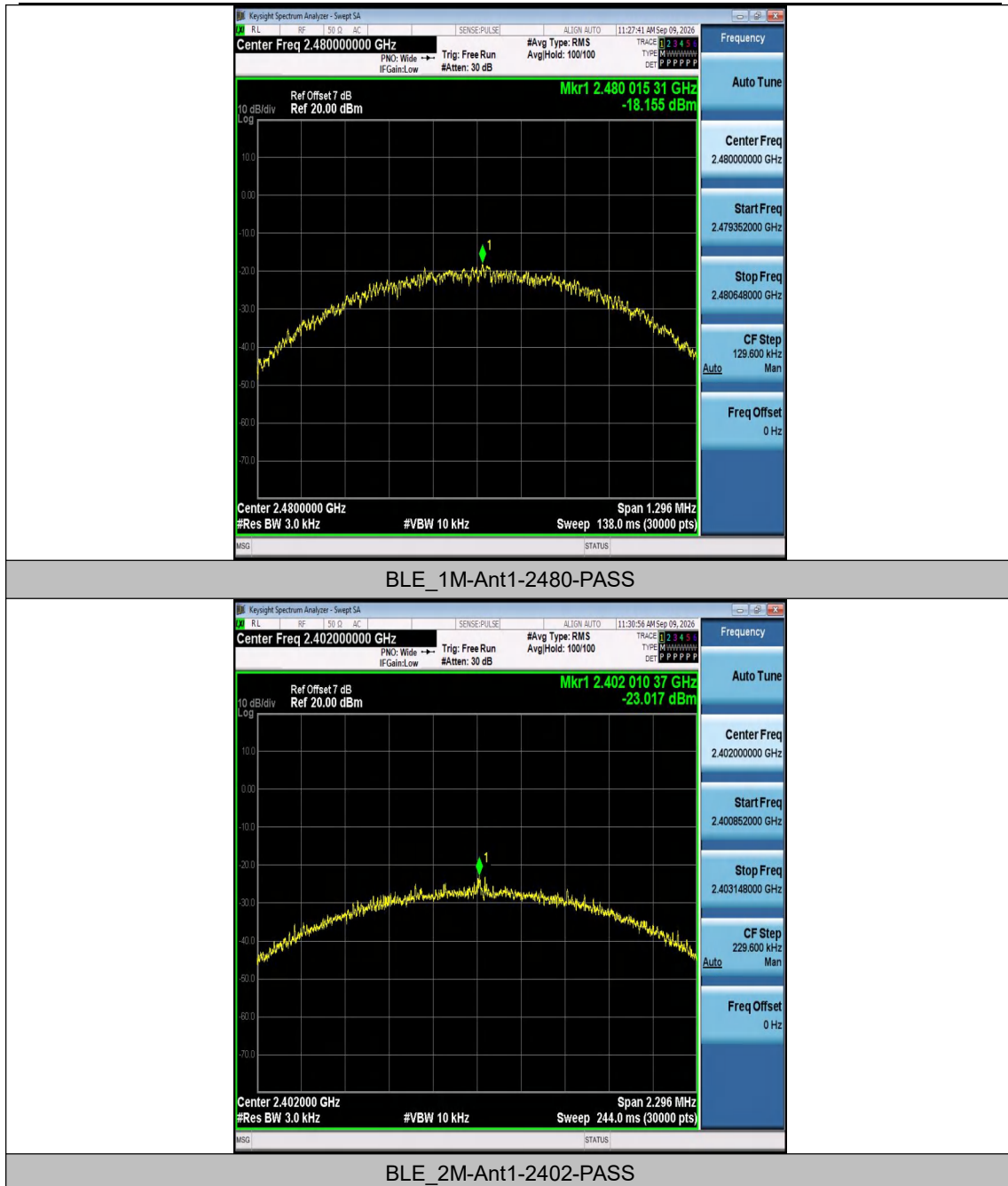
Test Graphs



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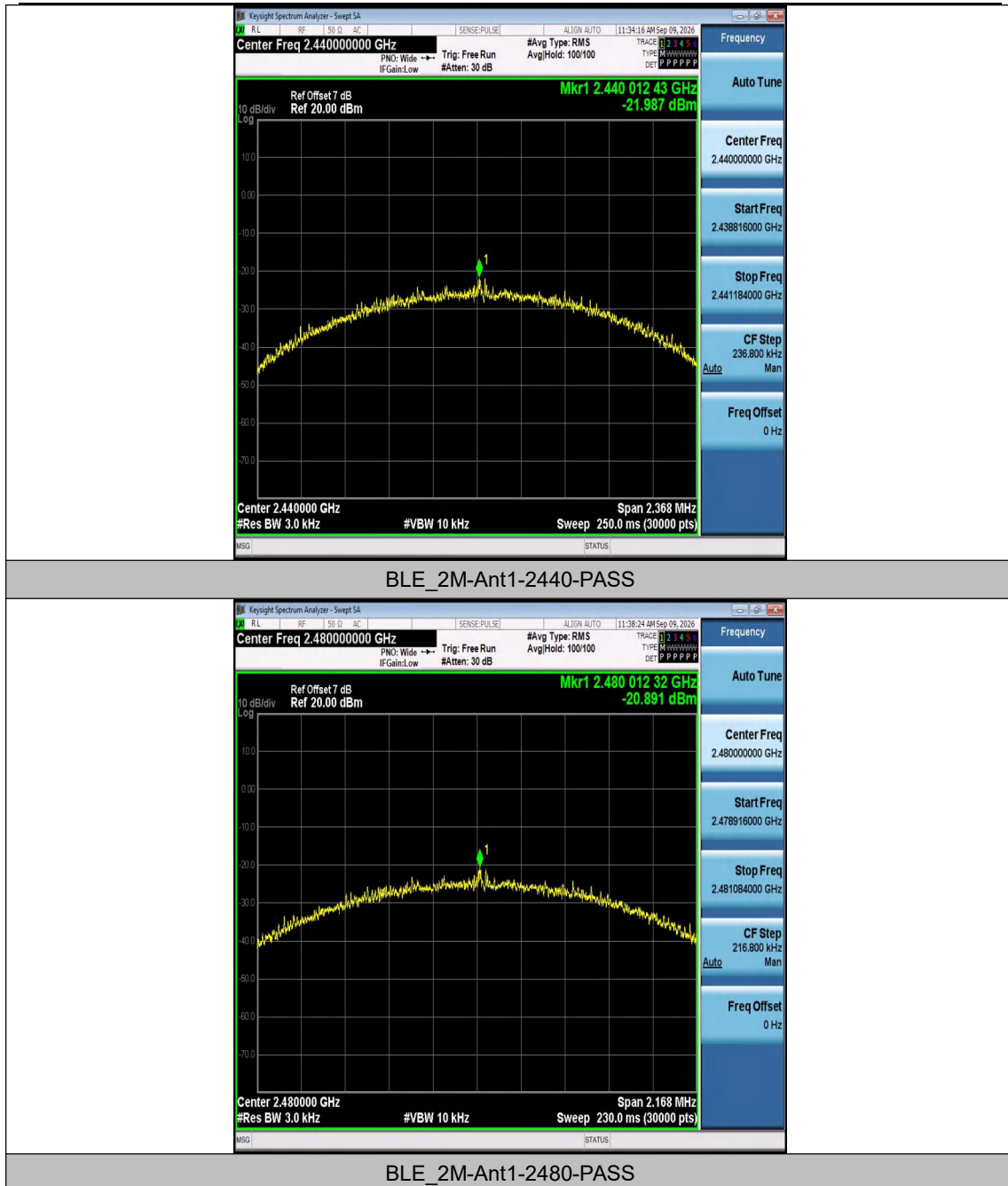
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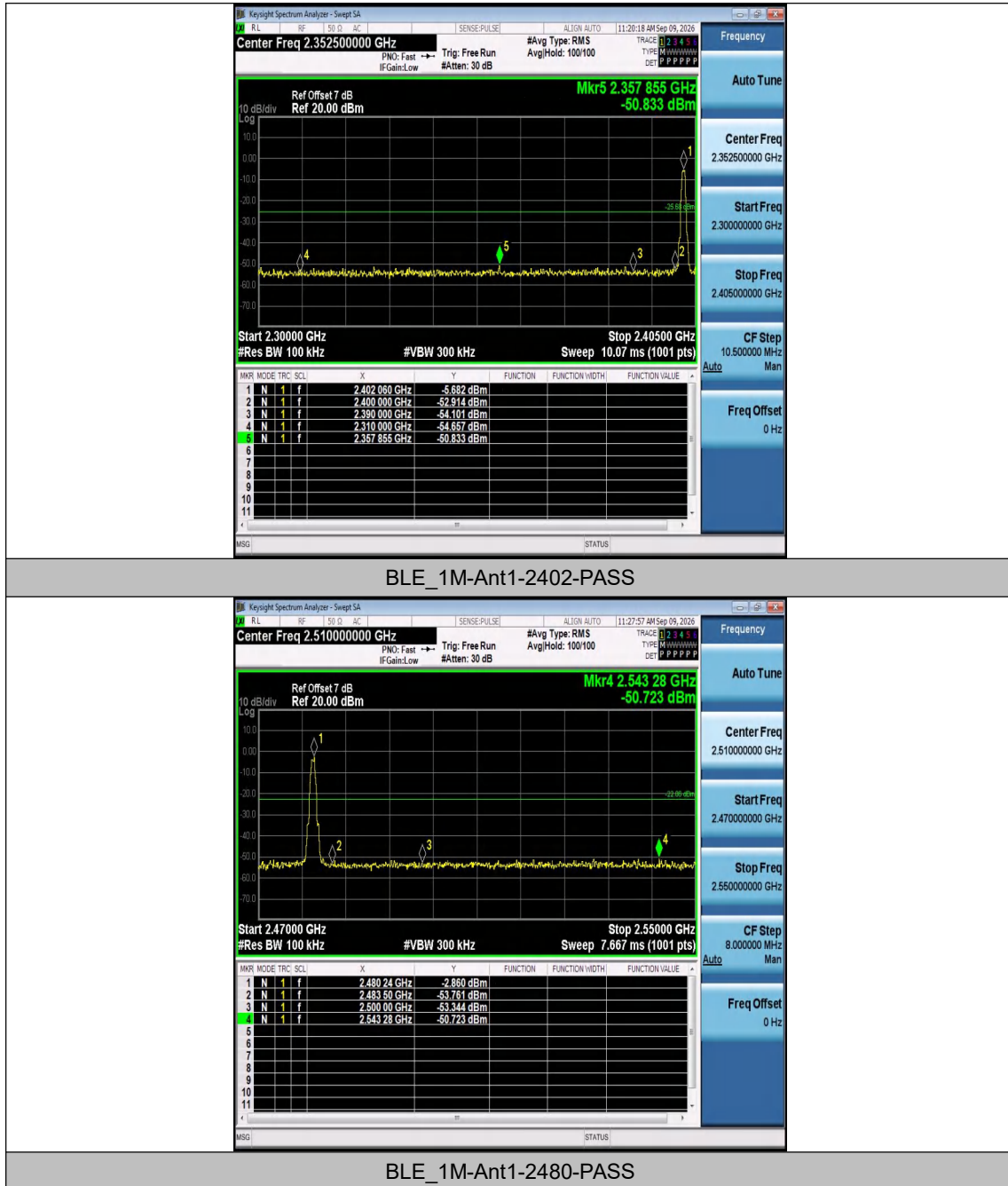
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-5.68	-50.83	≤-25.68	PASS
BLE_1M	Ant1	High	2480	-2.86	-50.72	≤-22.86	PASS
BLE_2M	Ant1	Low	2402	-5.73	-41.45	≤-25.73	PASS
BLE_2M	Ant1	High	2480	-3.84	-50.94	≤-23.84	PASS

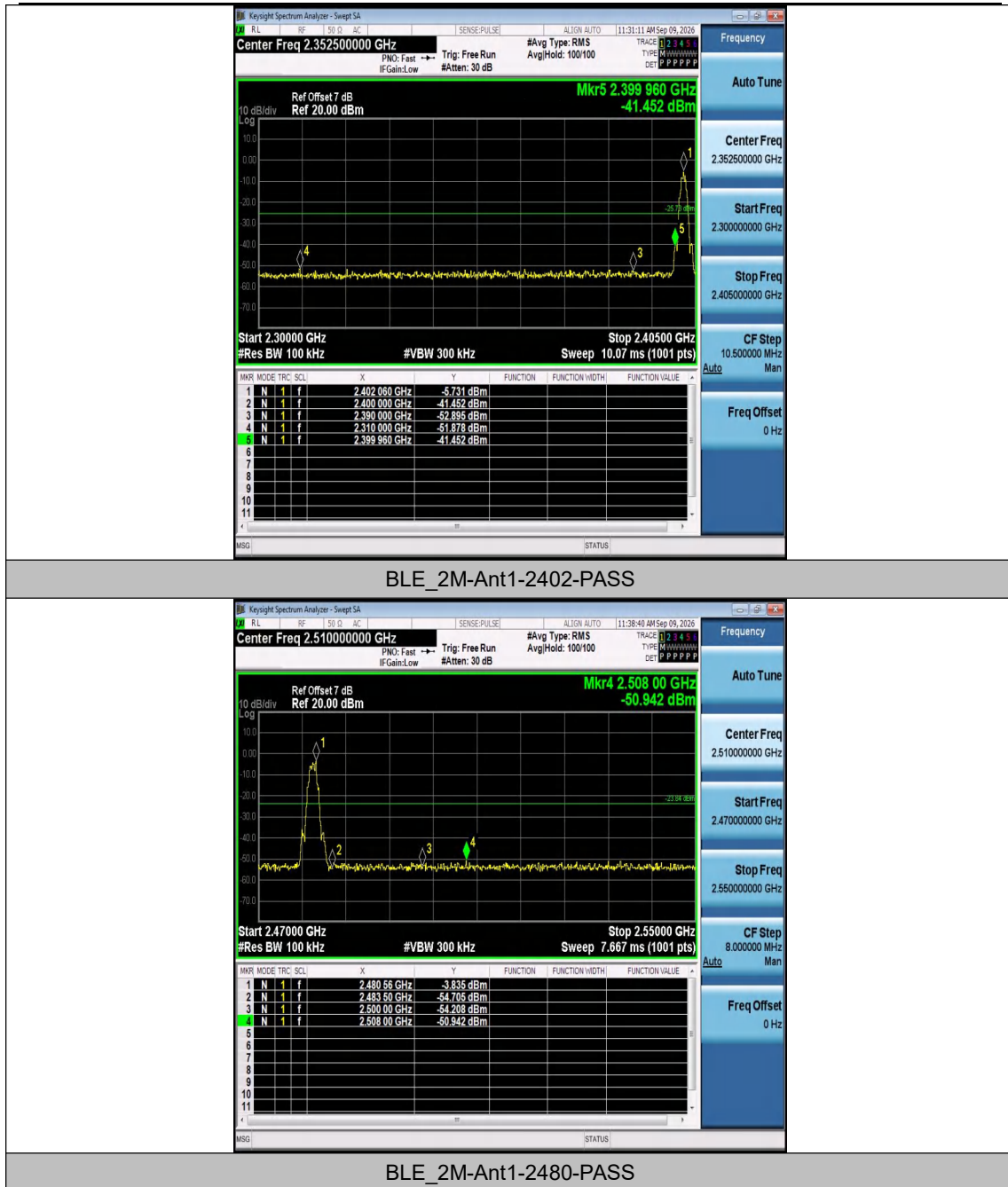
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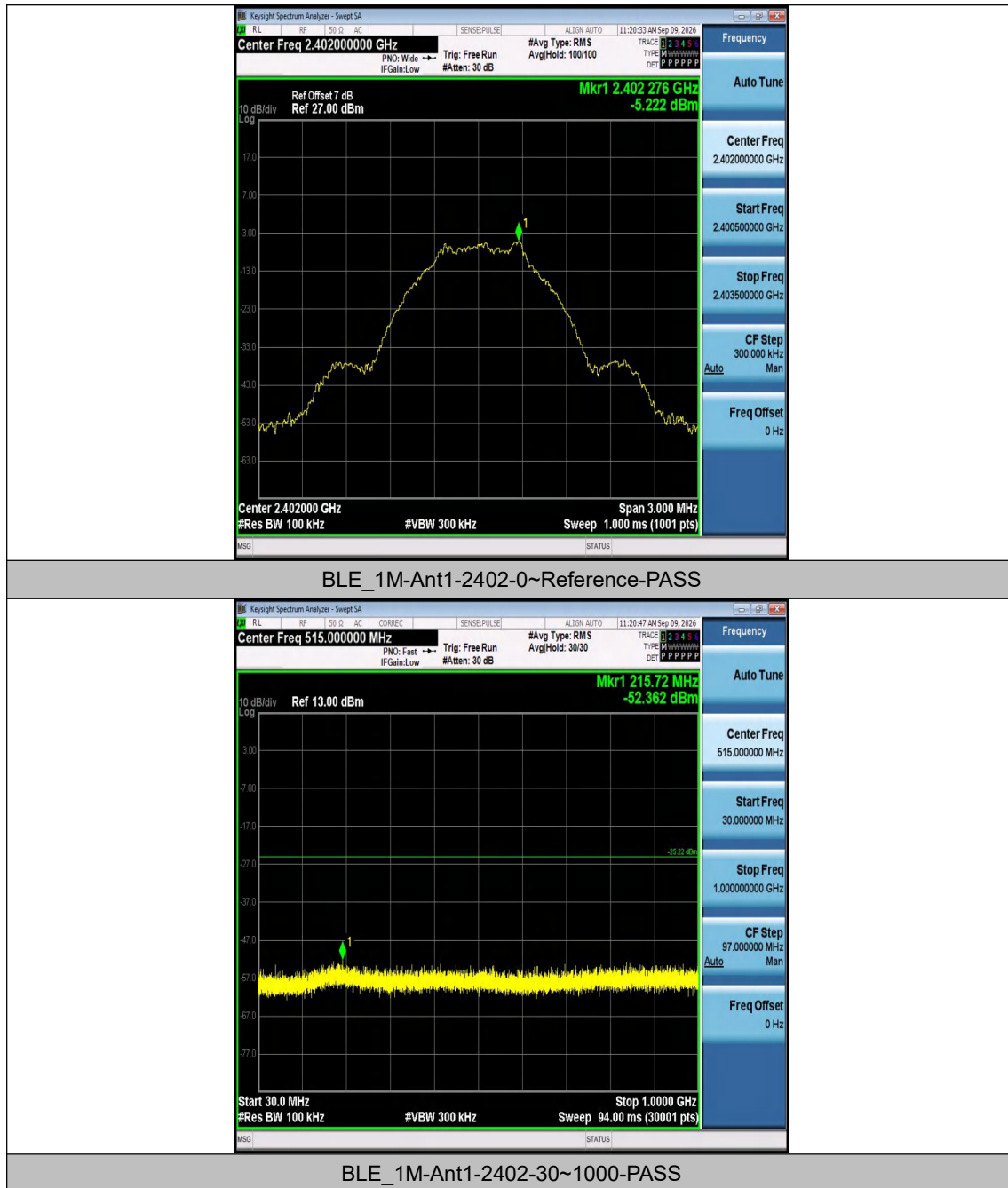
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-5.22	-5.22	---	PASS
BLE_1M	Ant1	2402	30~1000	-5.22	-52.36	≤-25.22	PASS
BLE_1M	Ant1	2402	1000~26500	-5.22	-36.36	≤-25.22	PASS
BLE_1M	Ant1	2440	0~Reference	-3.90	-3.90	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.90	-51.89	≤-23.9	PASS
BLE_1M	Ant1	2440	1000~26500	-3.90	-36.86	≤-23.9	PASS
BLE_1M	Ant1	2480	0~Reference	-2.94	-2.94	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.94	-51.93	≤-22.94	PASS
BLE_1M	Ant1	2480	1000~26500	-2.94	-37.54	≤-22.94	PASS
BLE_2M	Ant1	2402	0~Reference	-6.07	-6.07	---	PASS
BLE_2M	Ant1	2402	30~1000	-6.07	-52.63	≤-26.07	PASS
BLE_2M	Ant1	2402	1000~26500	-6.07	-36.66	≤-26.07	PASS
BLE_2M	Ant1	2440	0~Reference	-5.20	-5.20	---	PASS
BLE_2M	Ant1	2440	30~1000	-5.20	-52.09	≤-25.2	PASS
BLE_2M	Ant1	2440	1000~26500	-5.20	-36.95	≤-25.2	PASS
BLE_2M	Ant1	2480	0~Reference	-4.00	-4.00	---	PASS
BLE_2M	Ant1	2480	30~1000	-4.00	-51.23	≤-24	PASS
BLE_2M	Ant1	2480	1000~26500	-4.00	-36.85	≤-24	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.

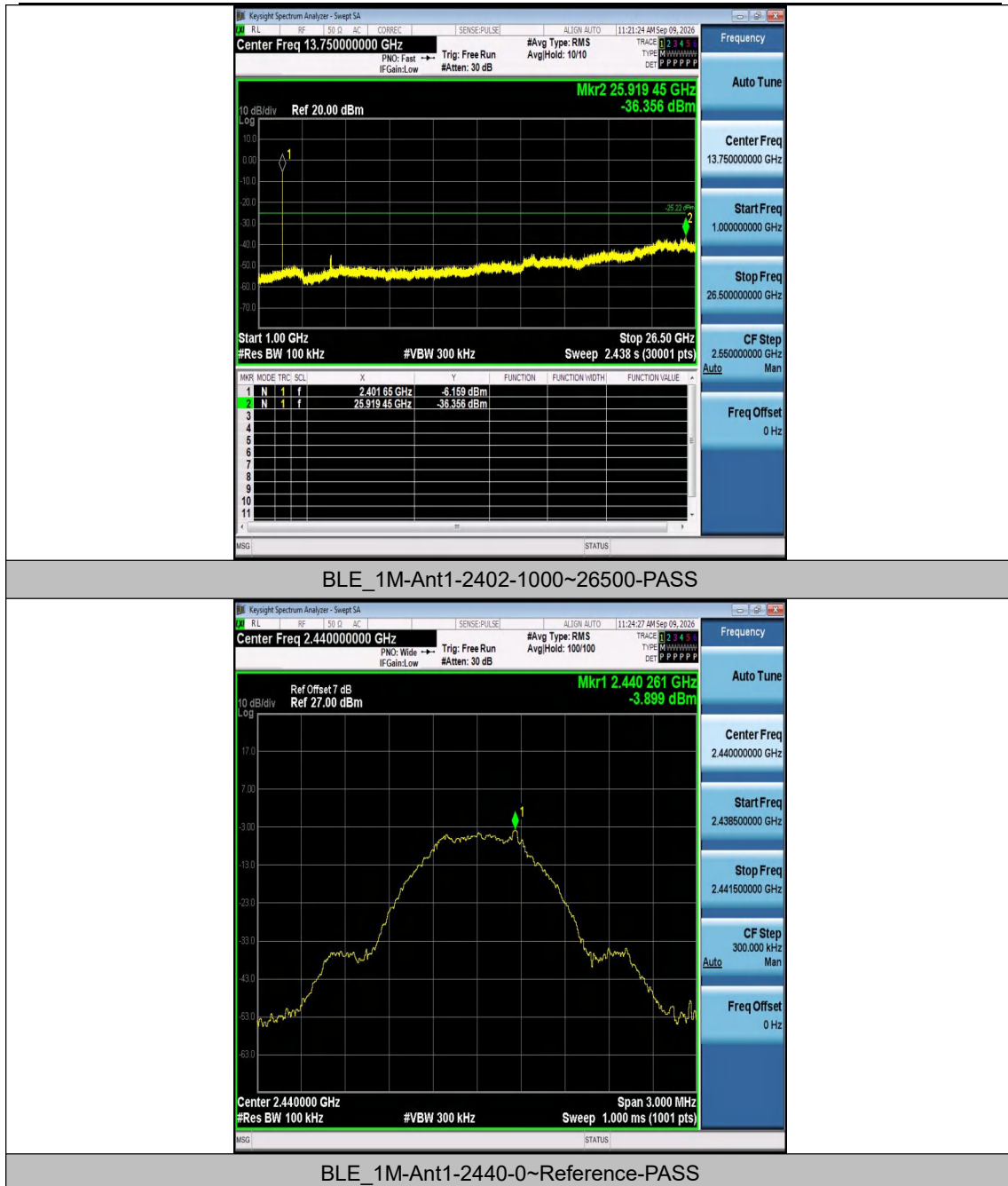
Test Graphs



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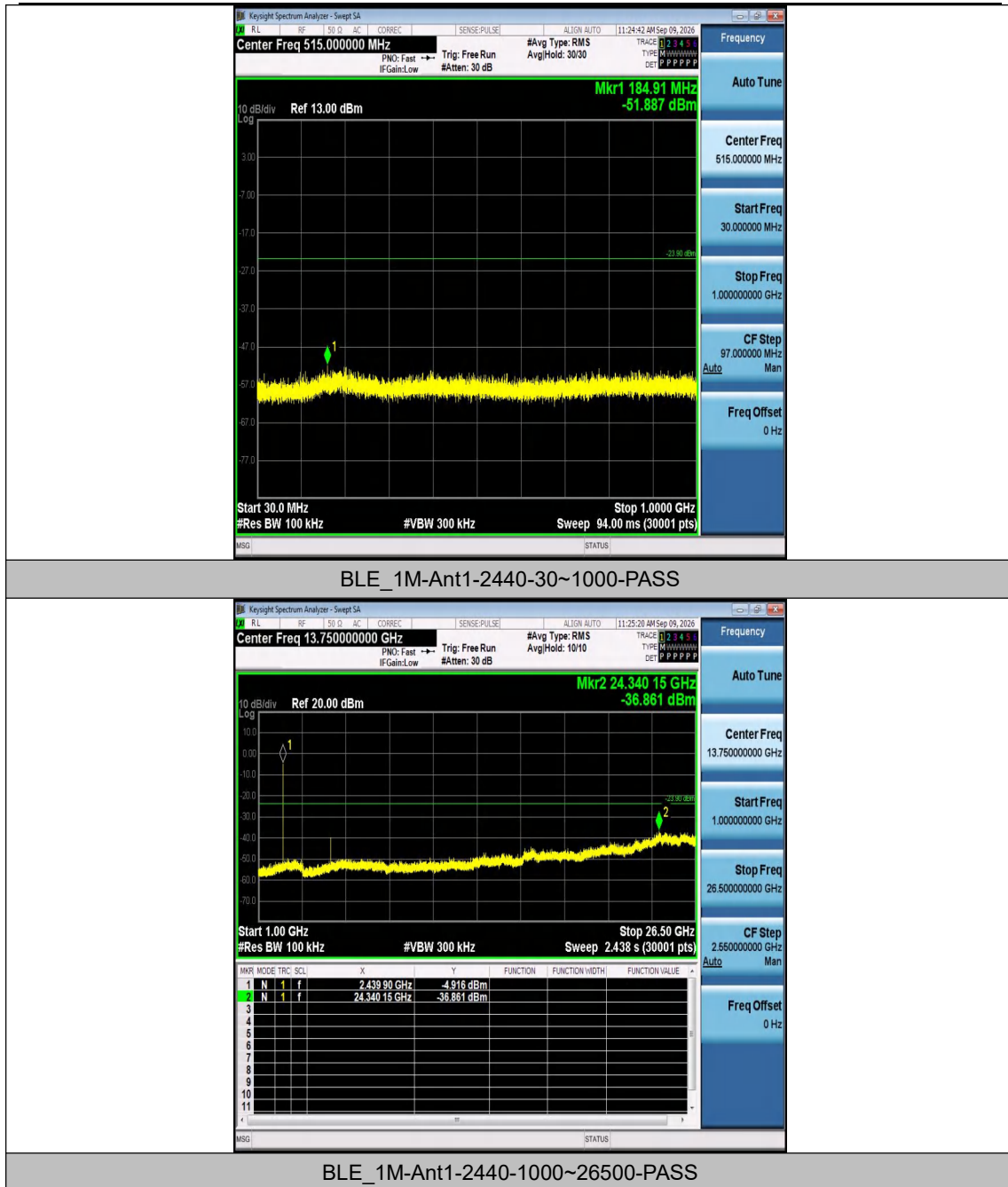
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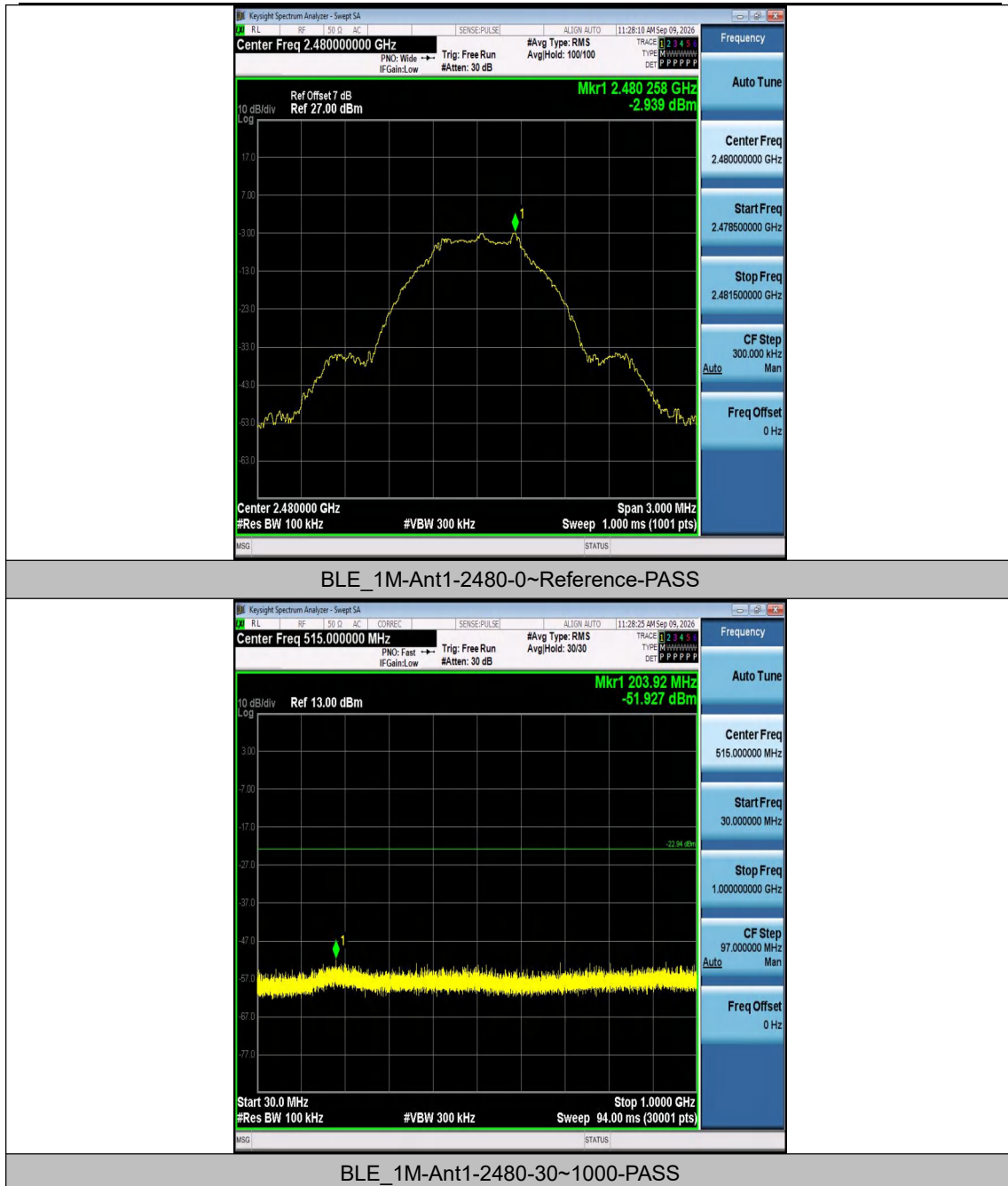
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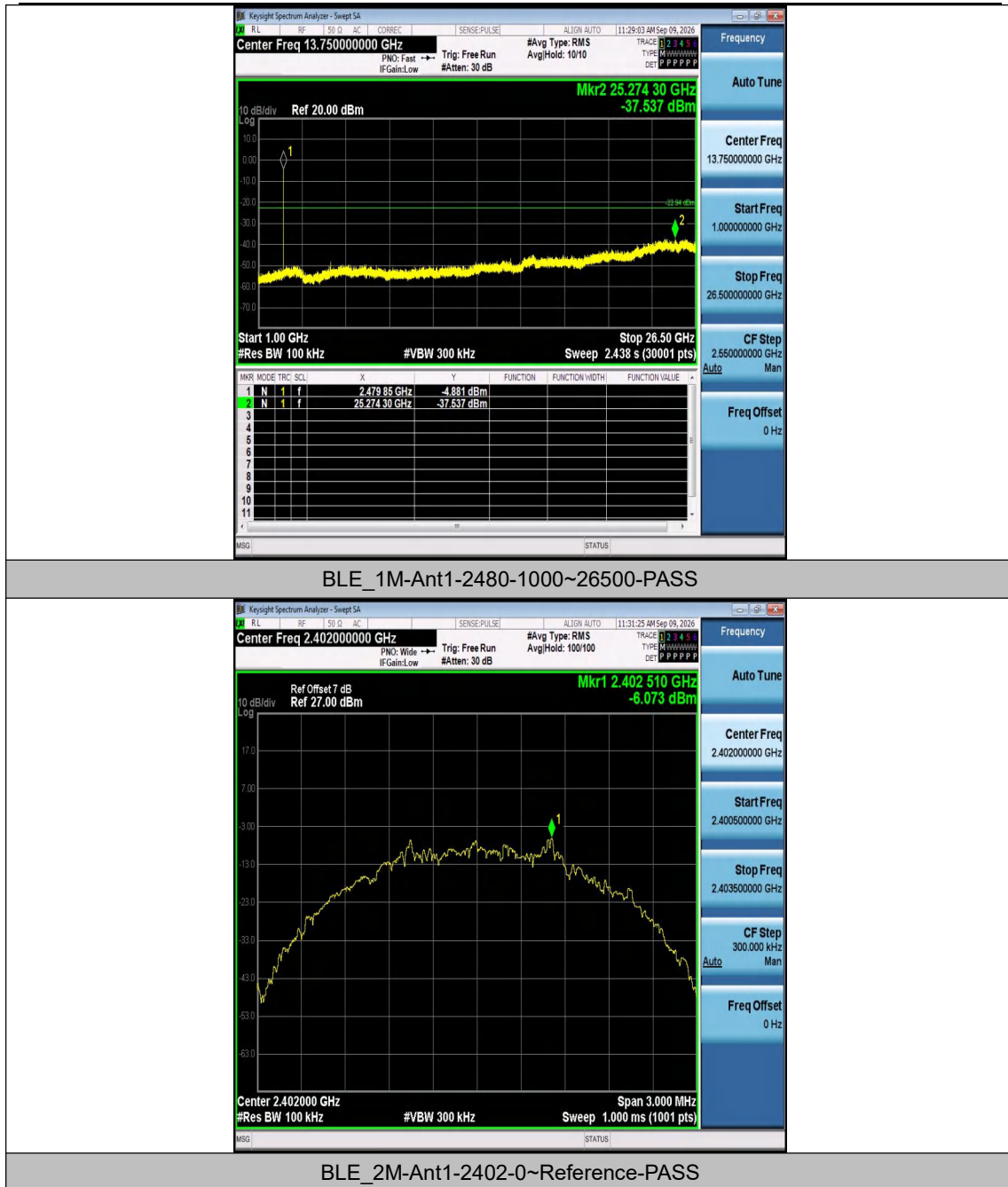
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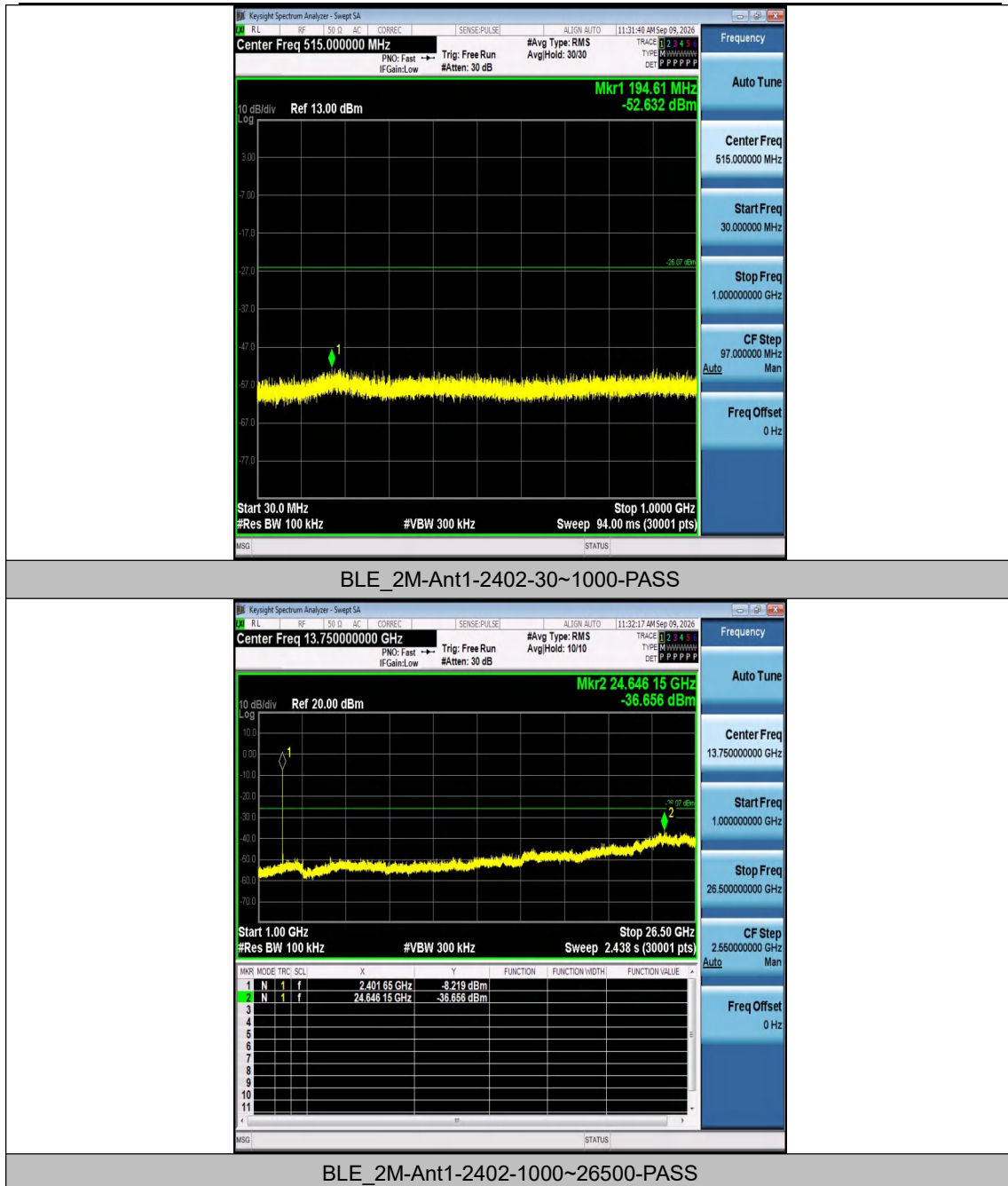
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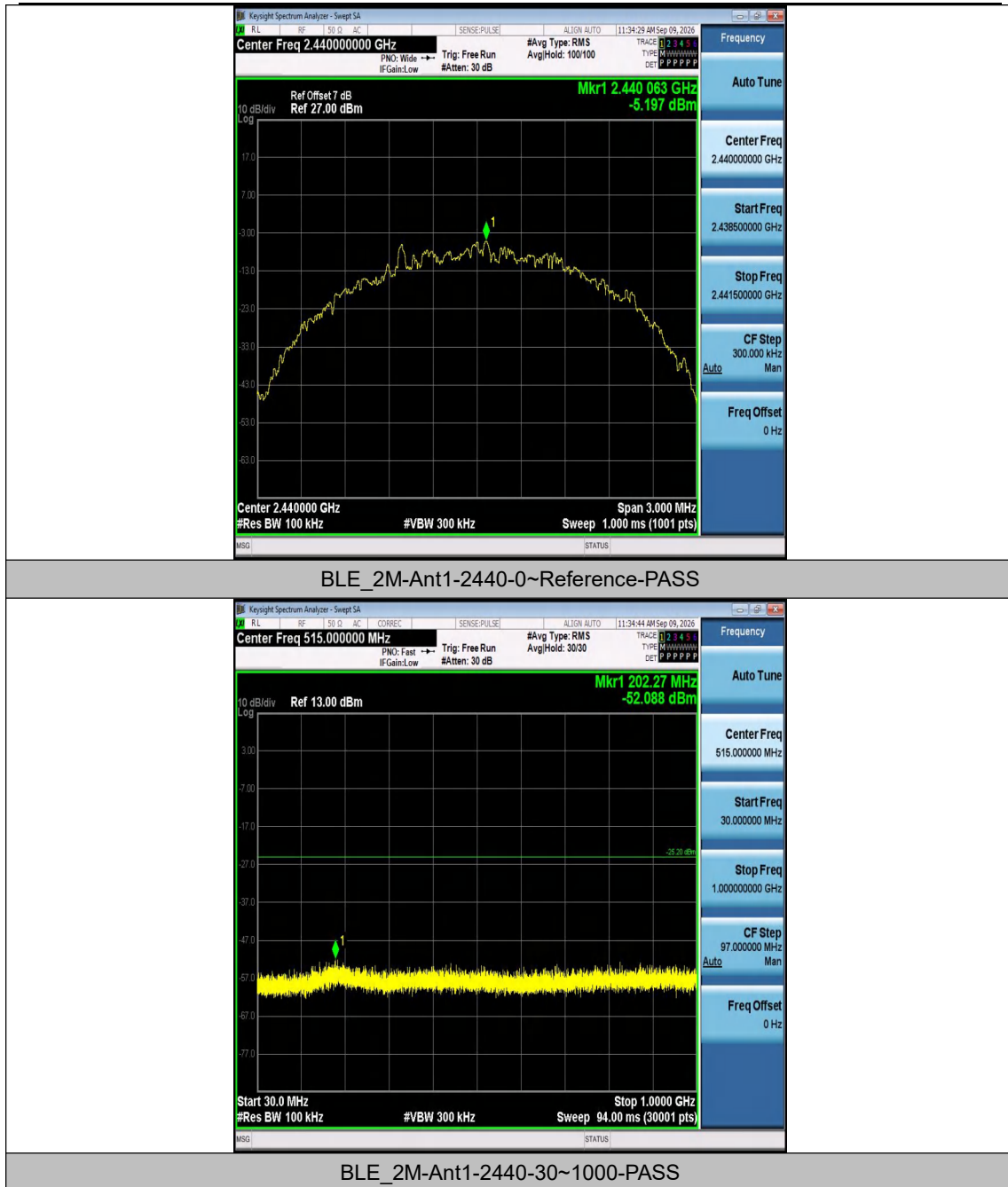
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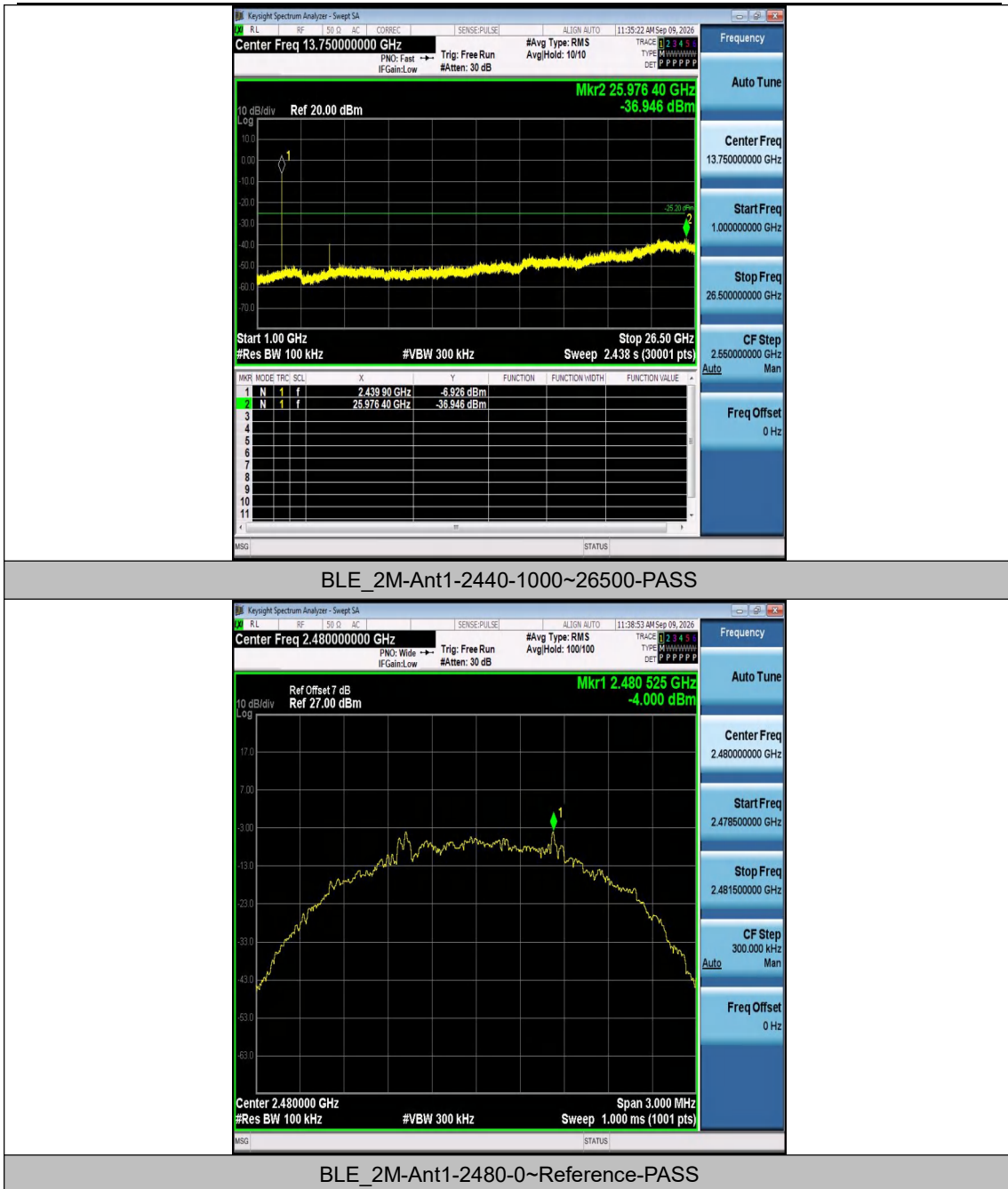
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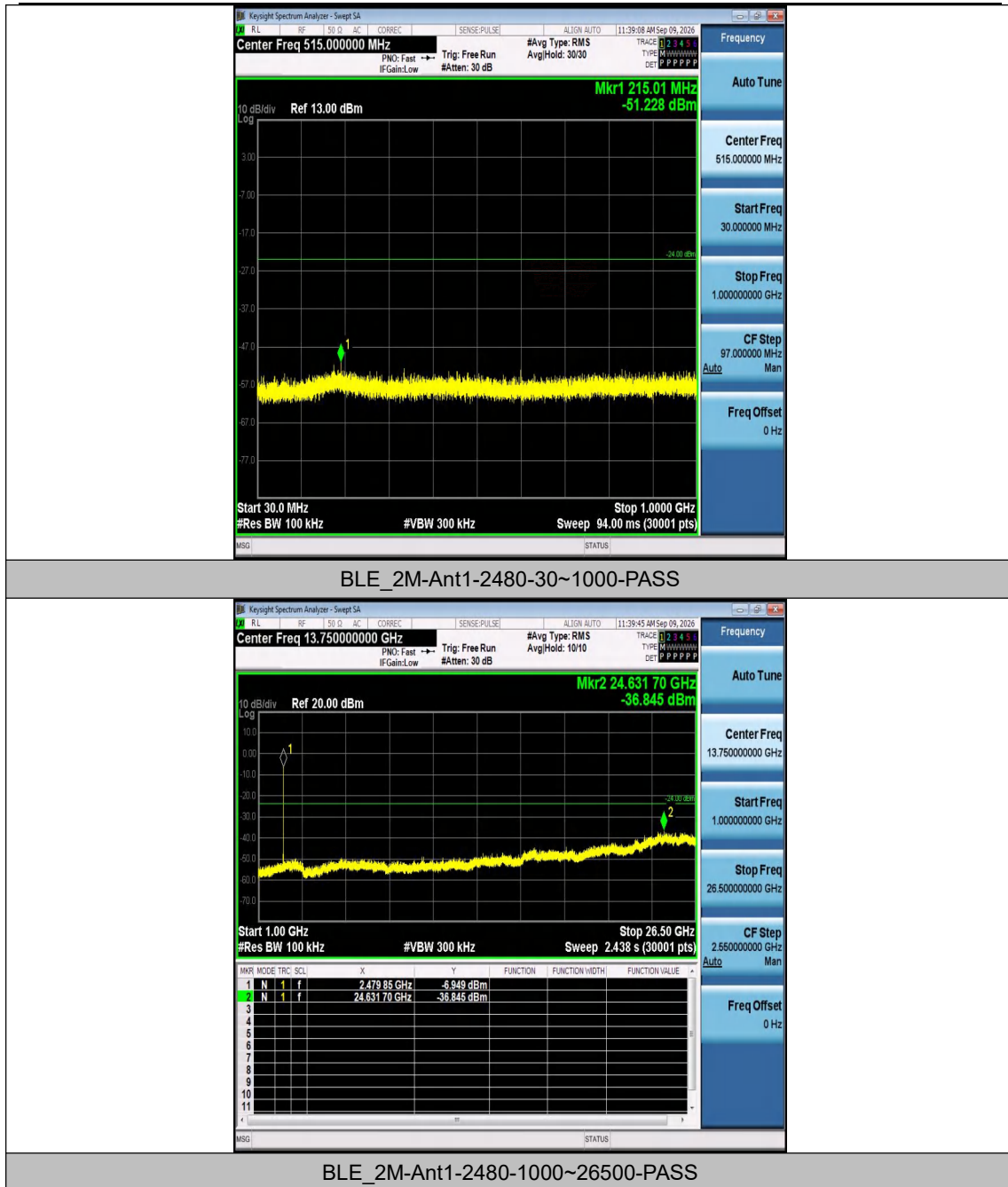
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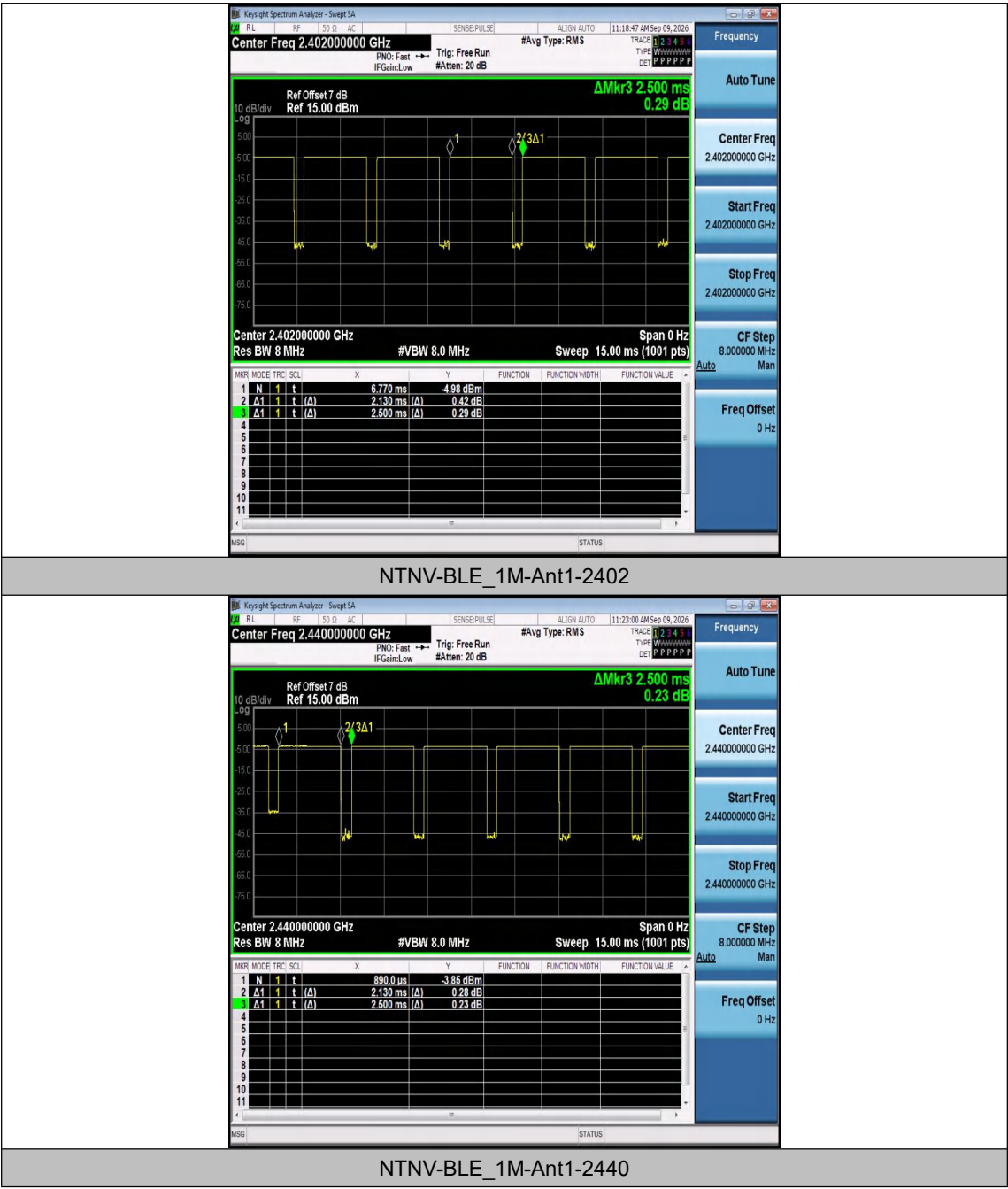
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2440	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2480	1.08	2.51	43.03	3.66

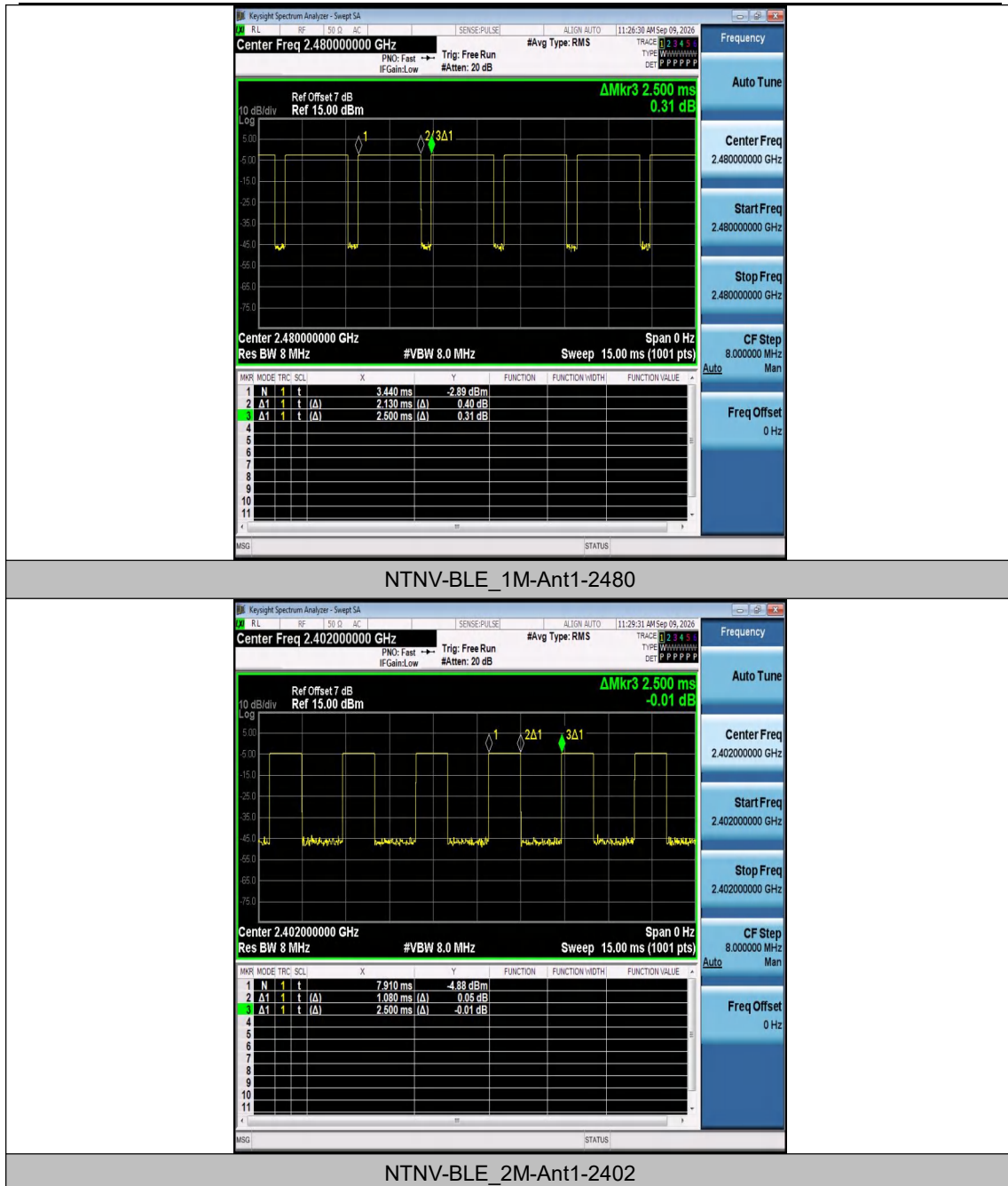
Test Graphs



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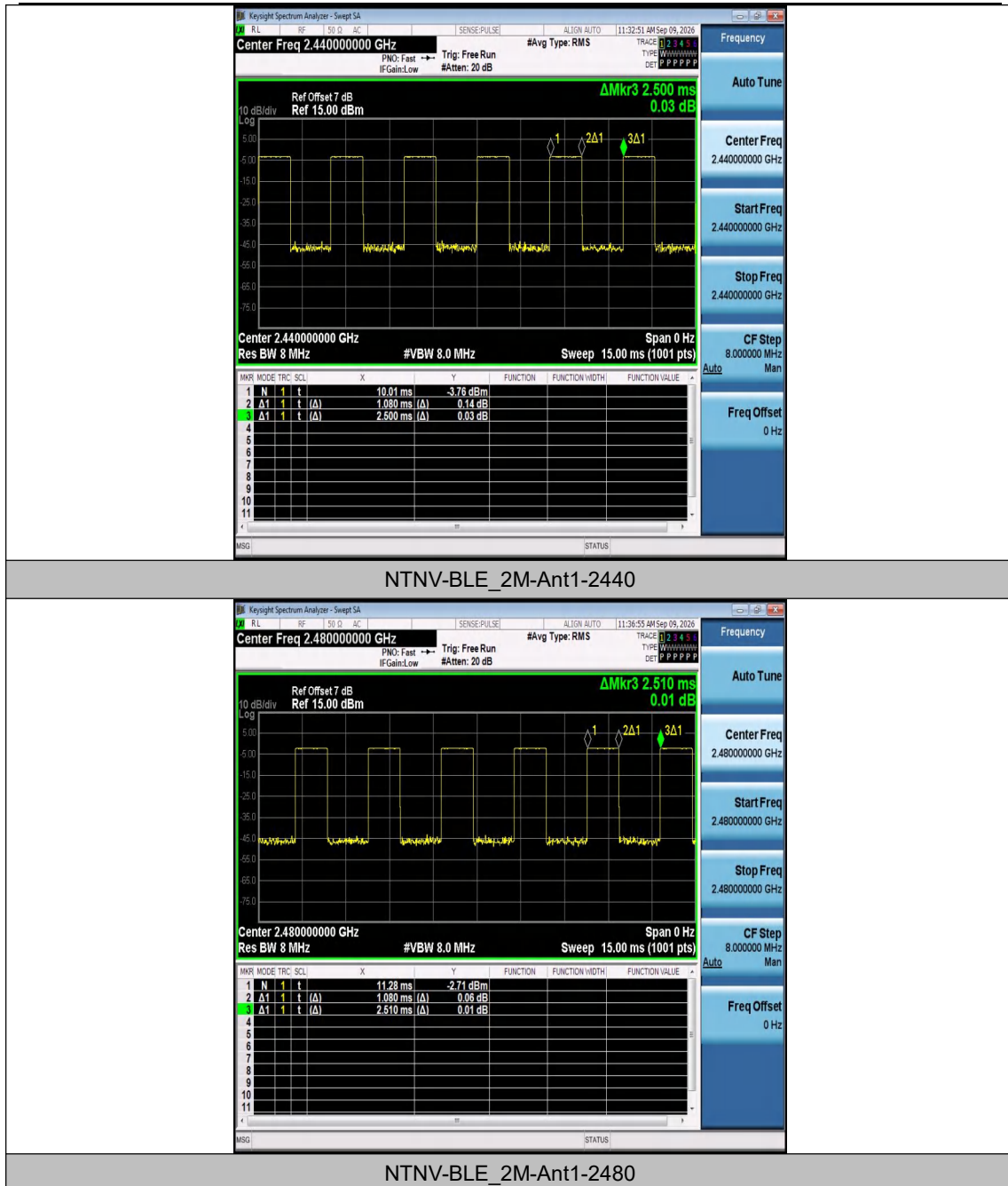
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