

Appendix Test Data

Report No.:	1812C60242612501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-4-29	Finish Test Date:	2026-5-13
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	21°C	Relative Humidity:	65%
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	2401.696	2402.364	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.700	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.764	2479.704	2480.468	0.5	PASS
BLE_2M	Ant1	2402	1.124	2401.472	2402.596	0.5	PASS
BLE_2M	Ant1	2440	1.160	2439.456	2440.616	0.5	PASS
BLE_2M	Ant1	2480	1.184	2479.436	2480.620	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	1.1383	2401.5314	2402.6697	---	---
BLE_1M	Ant1	2440	1.8431	2439.1319	2440.9750	---	---
BLE_1M	Ant1	2480	2.3568	2478.7933	2481.1501	---	---
BLE_2M	Ant1	2402	2.0164	2401.0491	2403.0655	---	---
BLE_2M	Ant1	2440	2.0769	2439.0329	2441.1098	---	---
BLE_2M	Ant1	2480	2.6007	2478.6643	2481.2650	---	---

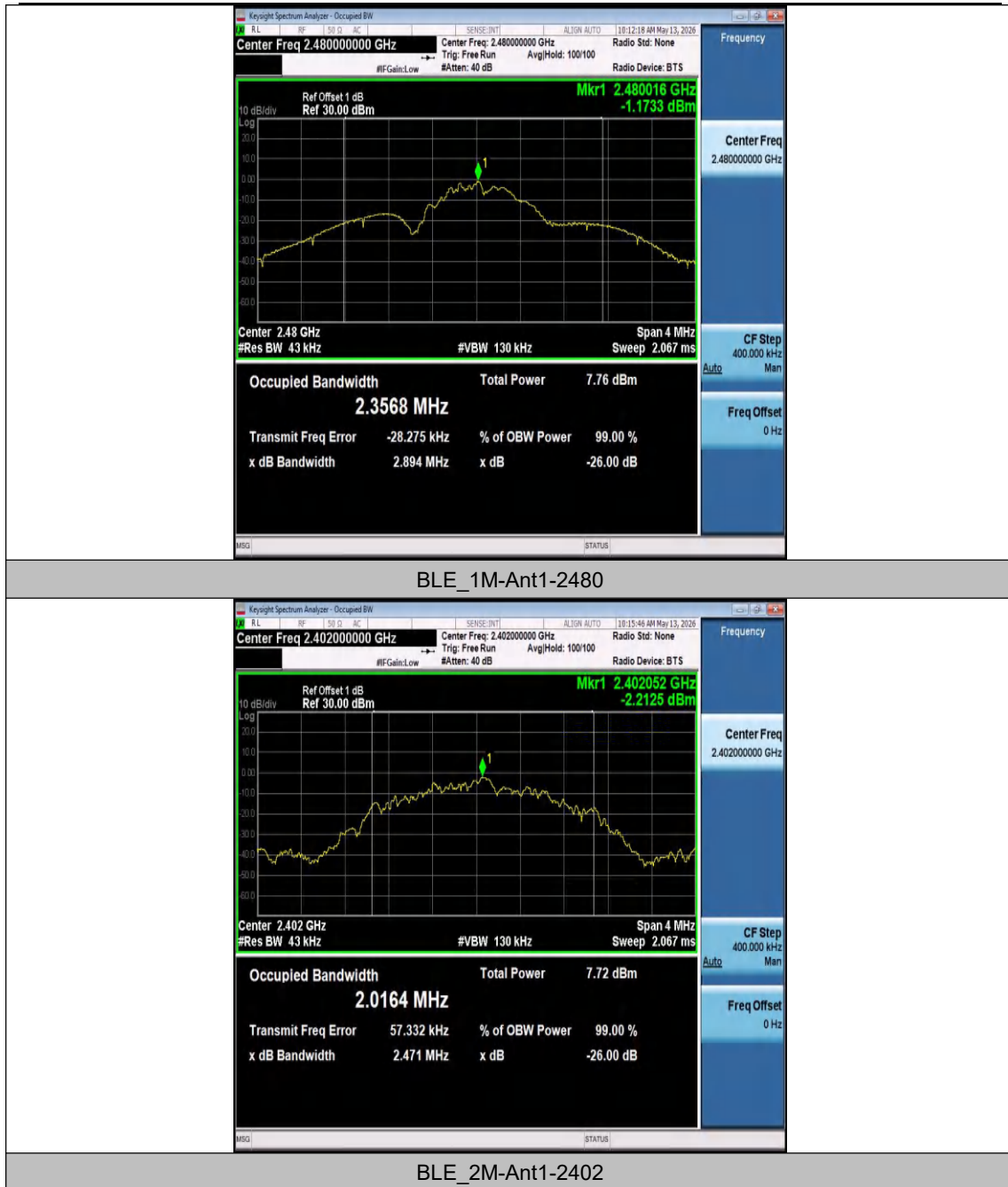
Test Graphs



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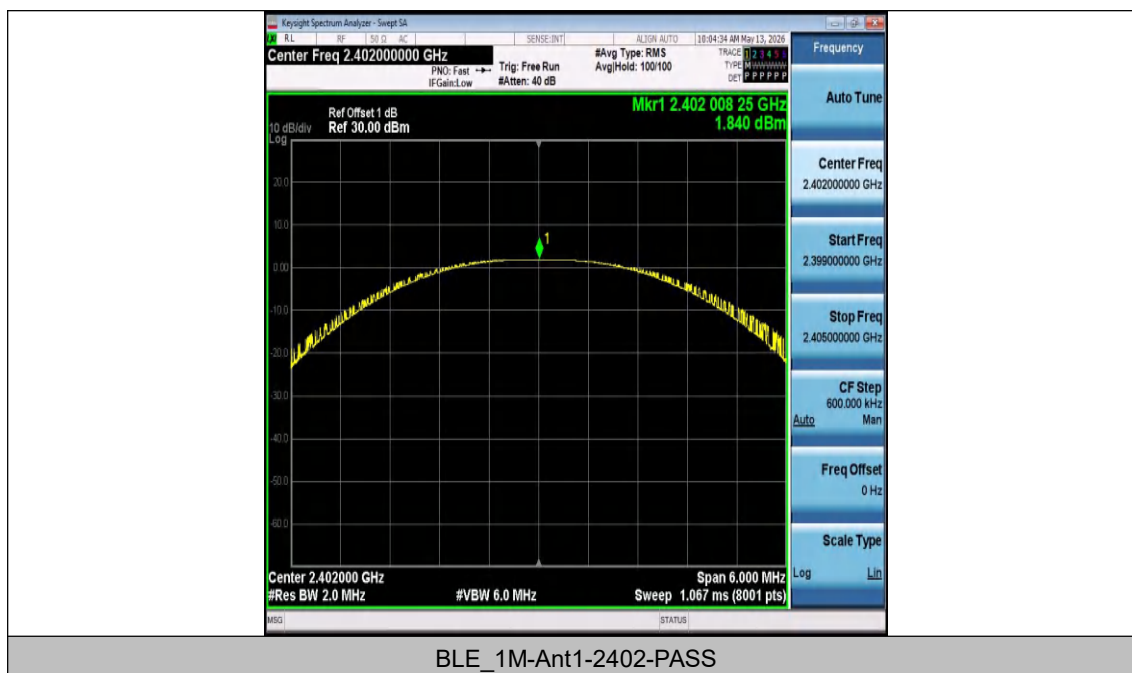
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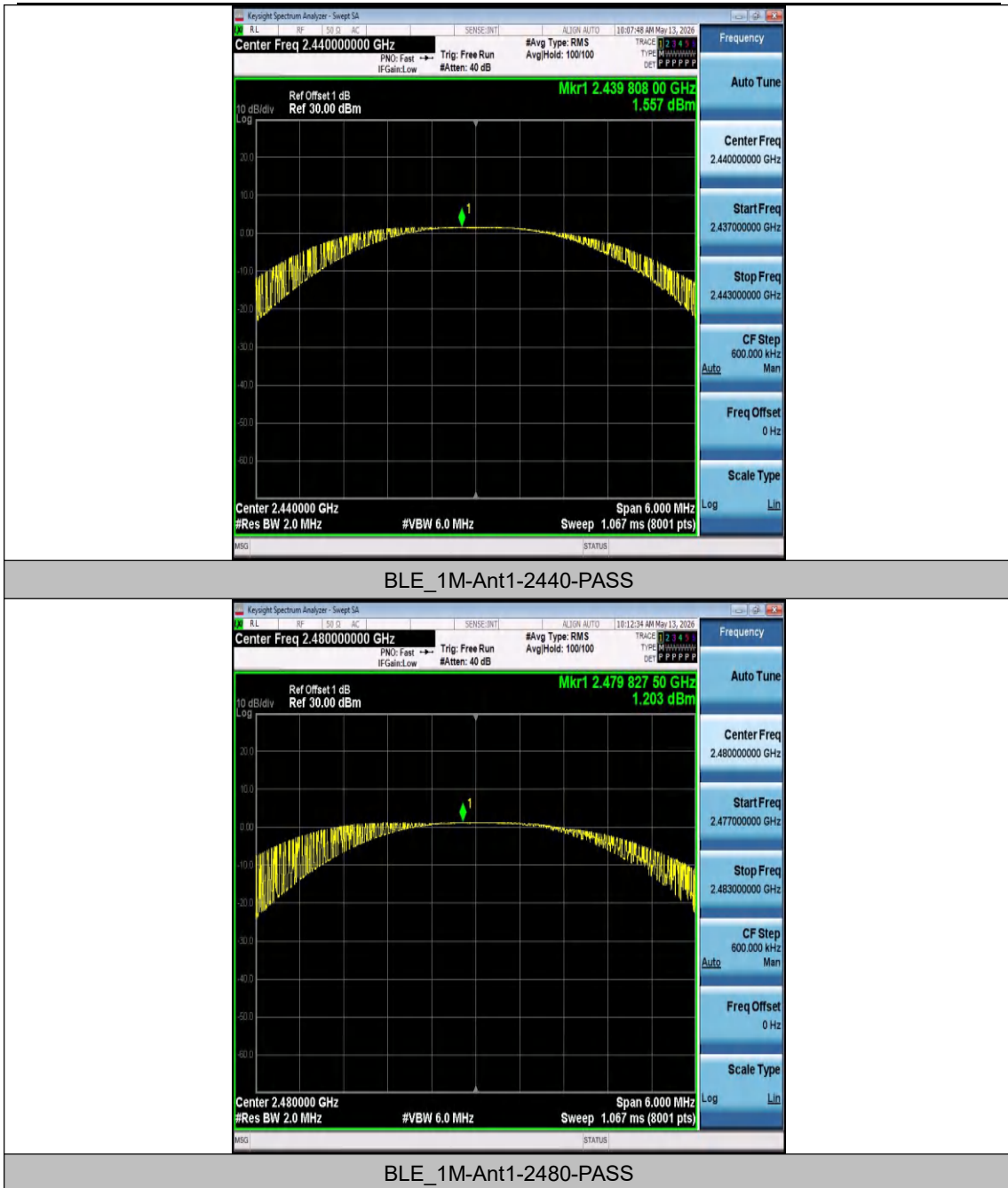
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.84	≤30	PASS
BLE_1M	Ant1	2440	1.56	≤30	PASS
BLE_1M	Ant1	2480	1.20	≤30	PASS
BLE_2M	Ant1	2402	1.80	≤30	PASS
BLE_2M	Ant1	2440	1.51	≤30	PASS
BLE_2M	Ant1	2480	1.15	≤30	PASS

Test Graphs Peak

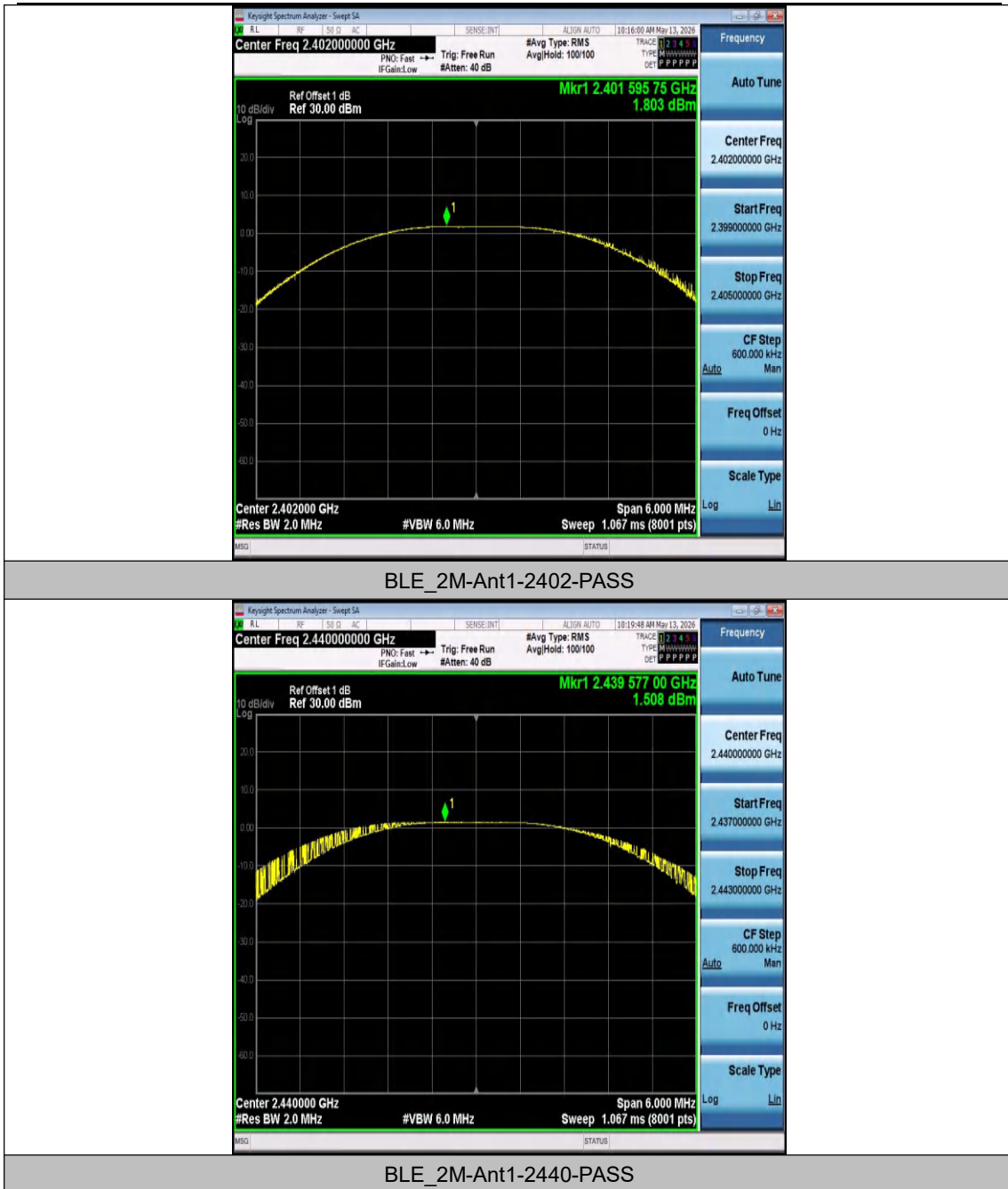




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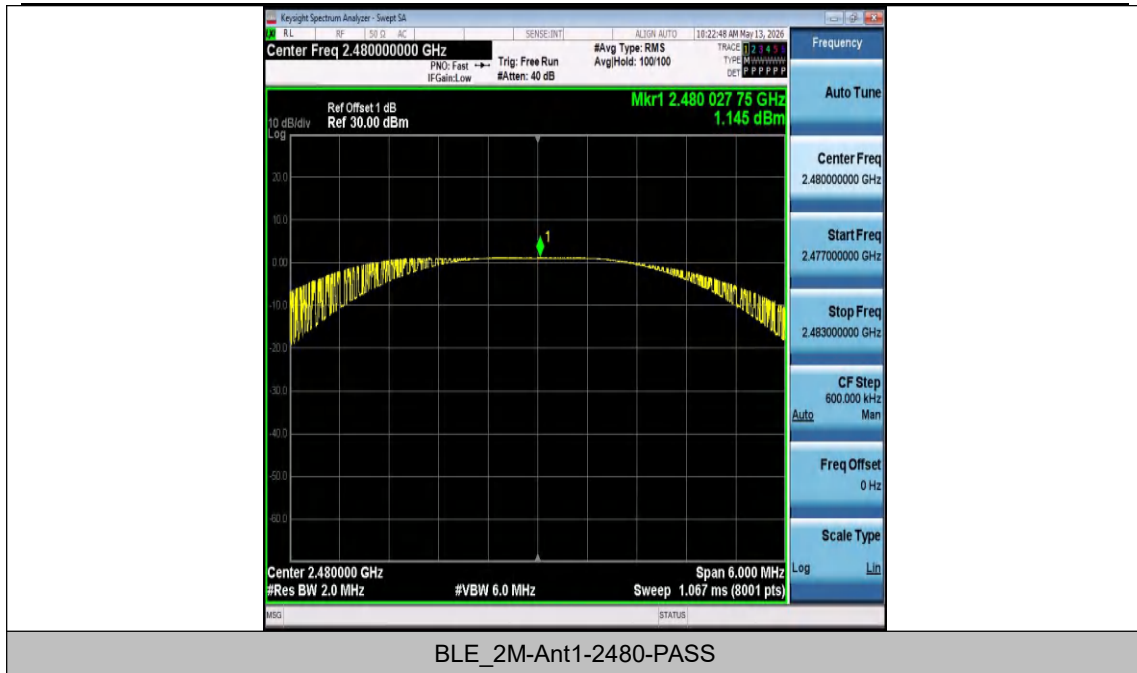
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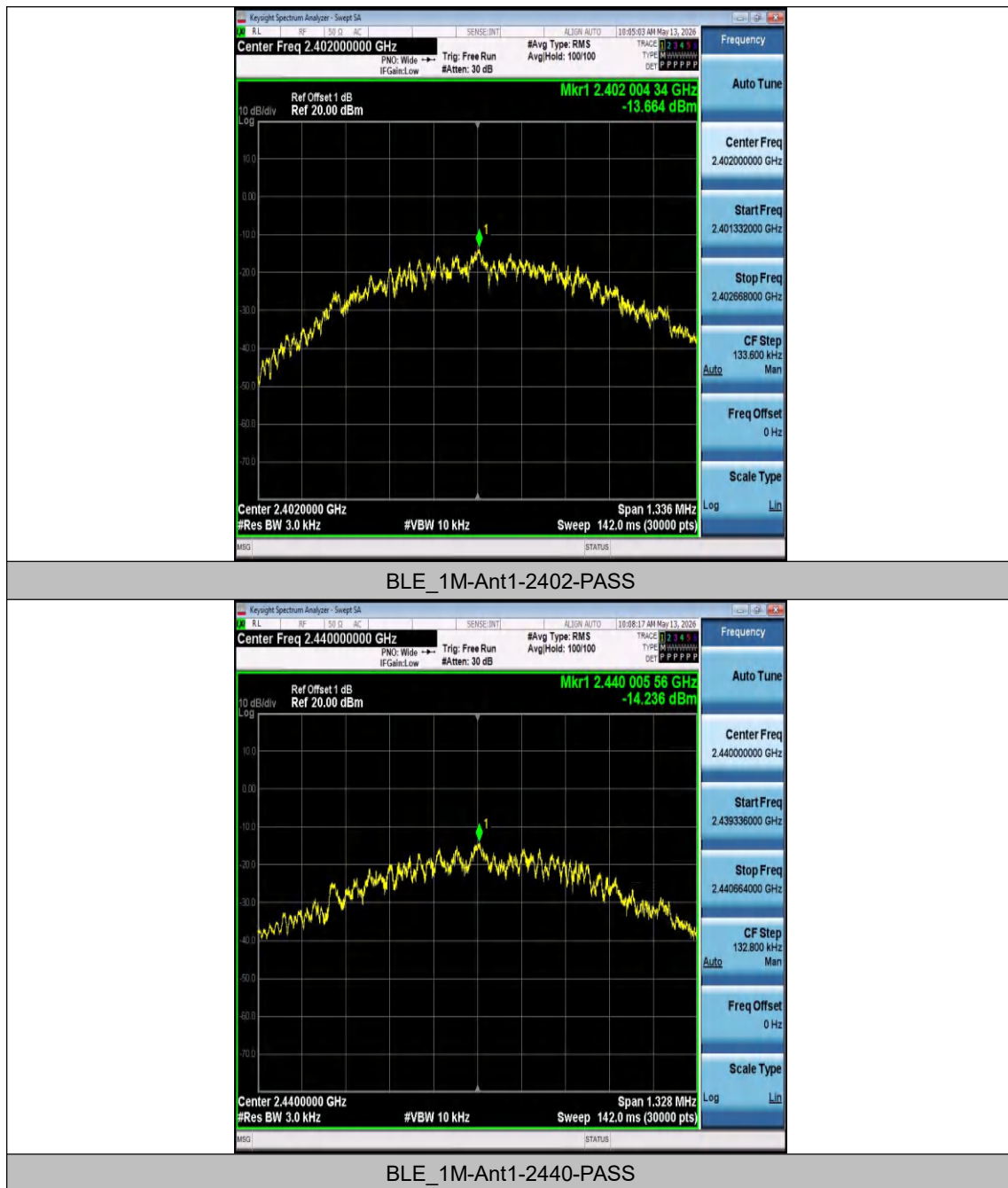


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.66	≤8.00	PASS
BLE_1M	Ant1	2440	-14.24	≤8.00	PASS
BLE_1M	Ant1	2480	-14.06	≤8.00	PASS
BLE_2M	Ant1	2402	-16.08	≤8.00	PASS
BLE_2M	Ant1	2440	-17.26	≤8.00	PASS
BLE_2M	Ant1	2480	-18.75	≤8.00	PASS

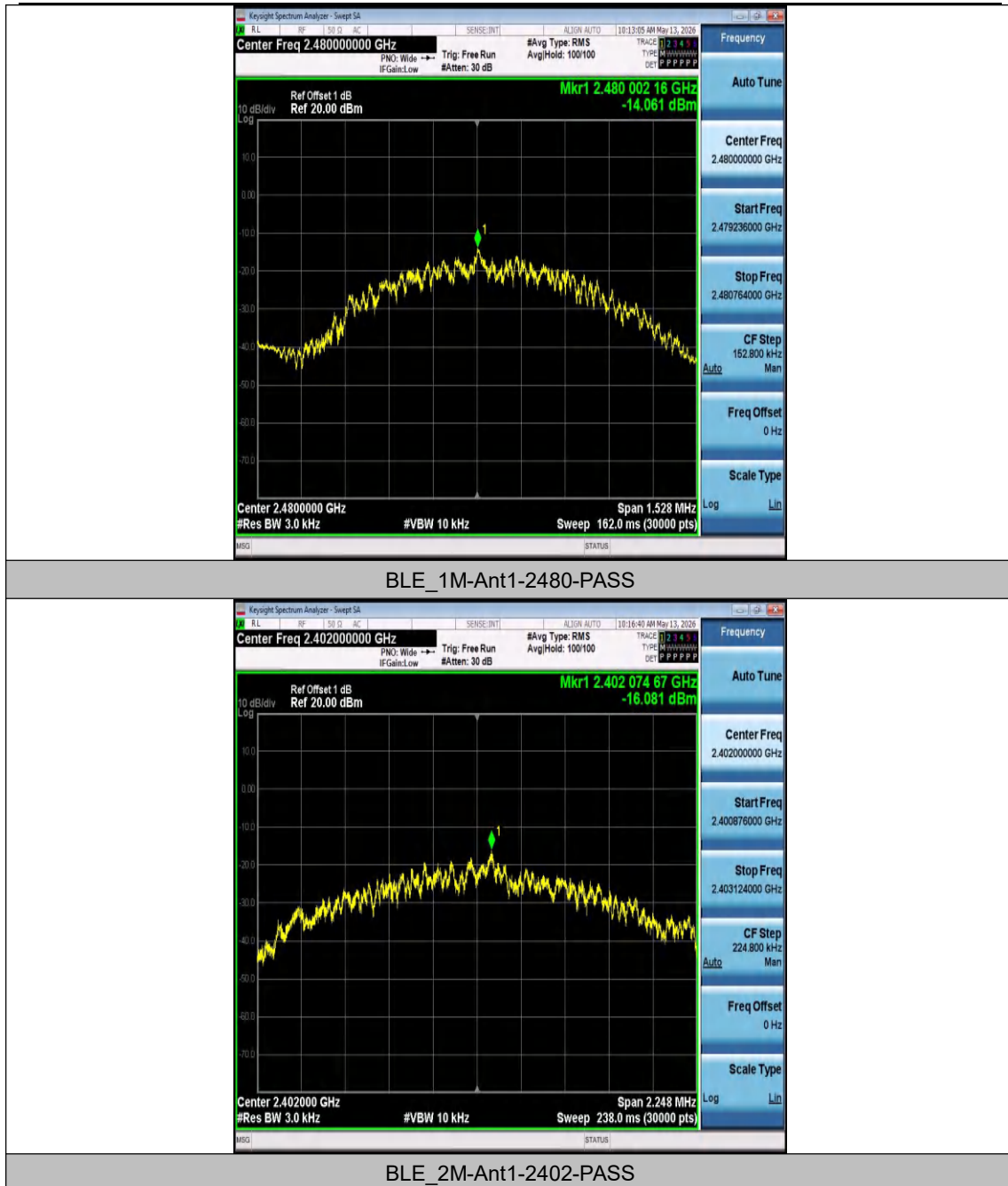
Test Graphs



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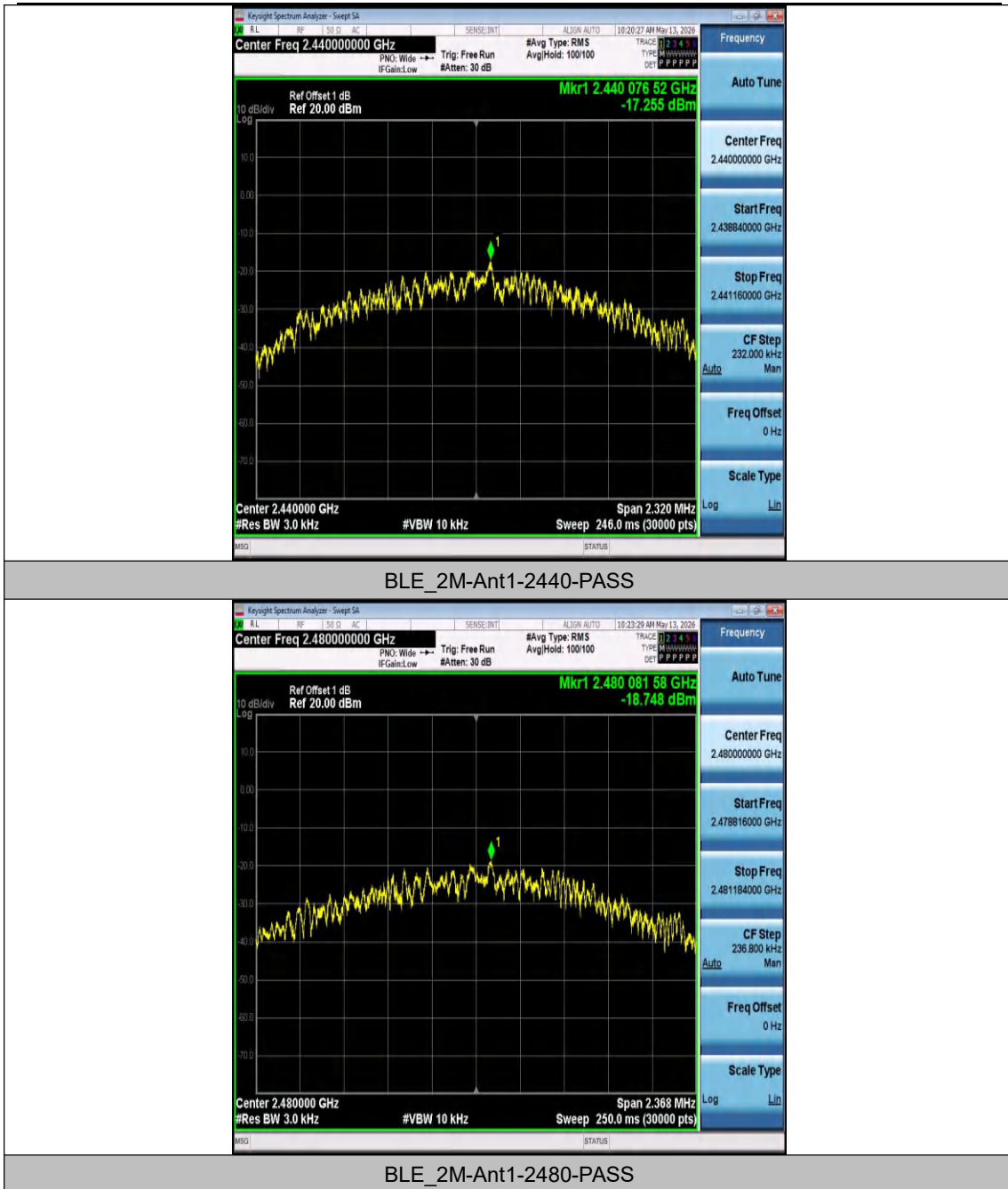
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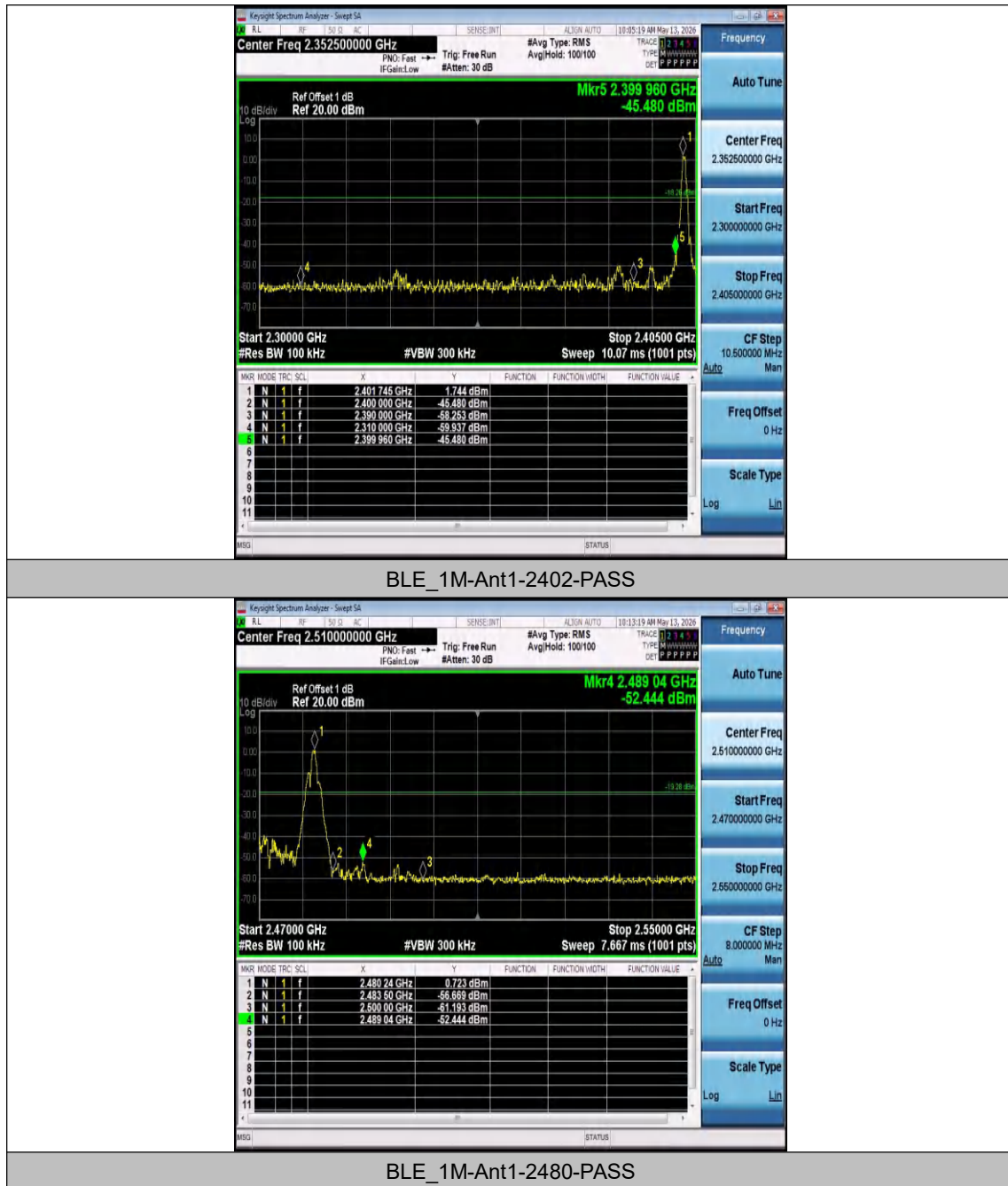
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.74	-45.48	≤-18.26	PASS
BLE_1M	Ant1	High	2480	0.72	-52.44	≤-19.28	PASS
BLE_2M	Ant1	Low	2402	0.71	-32.76	≤-19.29	PASS
BLE_2M	Ant1	High	2480	-0.19	-52.14	≤-20.19	PASS

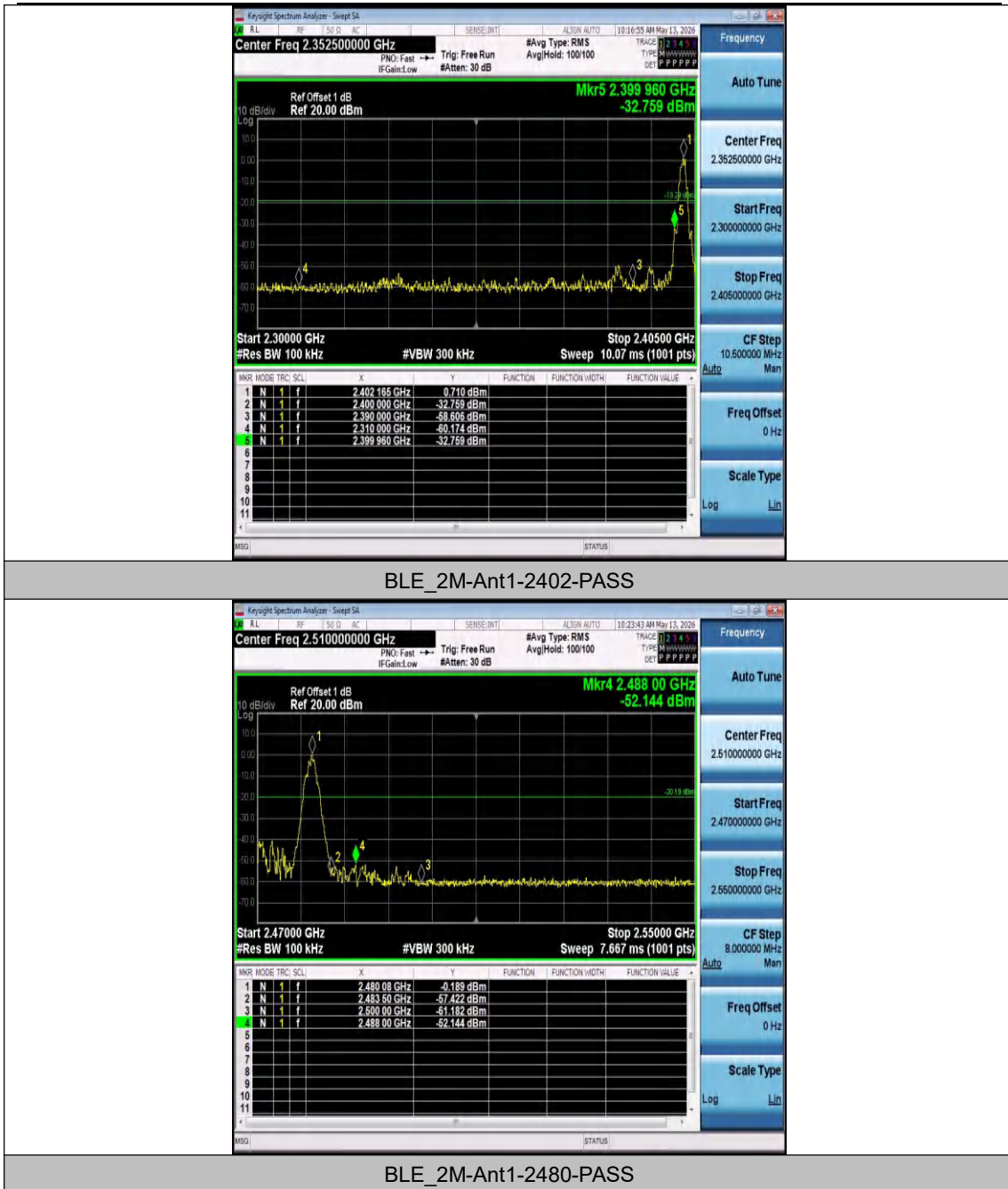
Test Graphs



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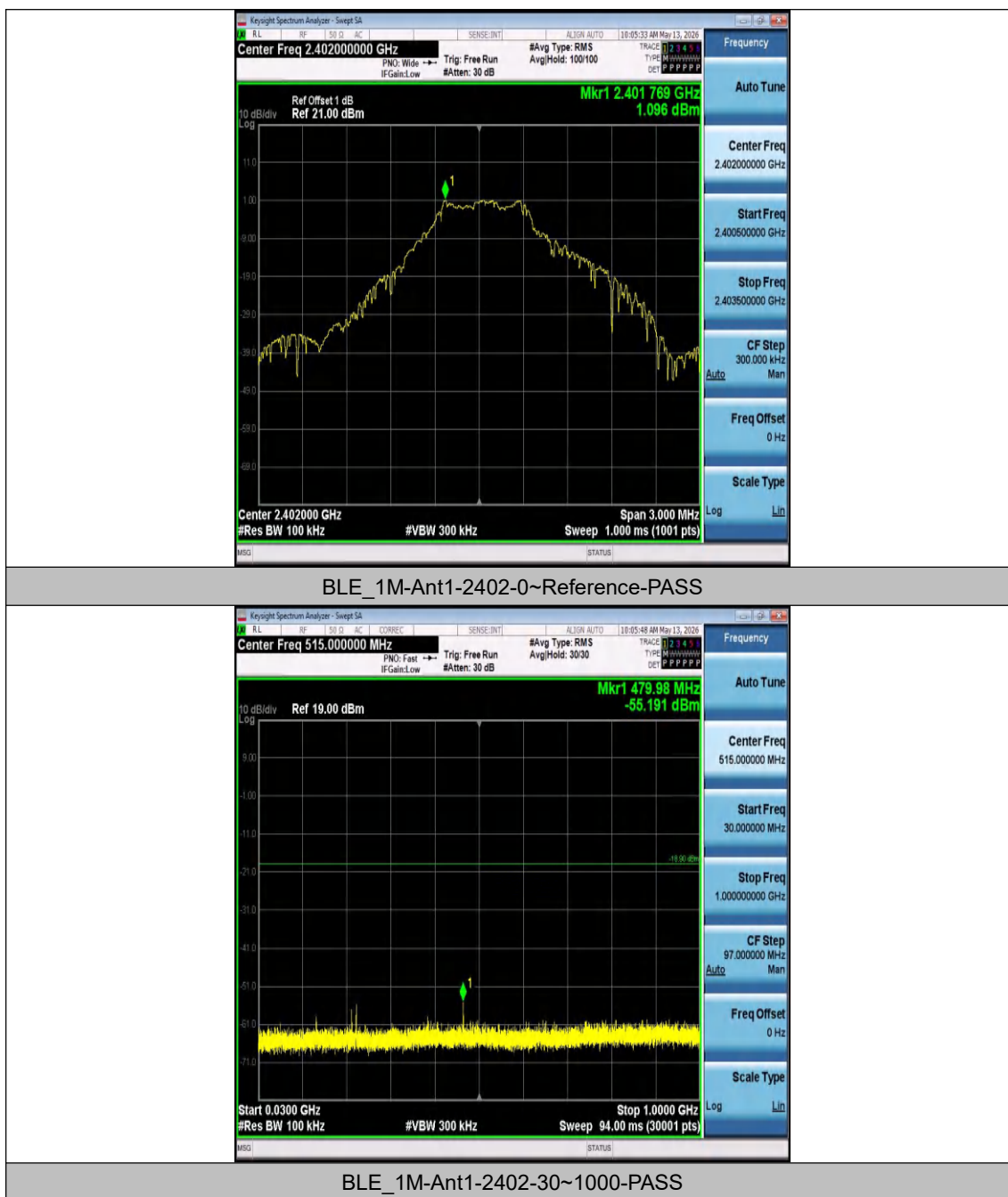
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.10	1.10	---	PASS
BLE_1M	Ant1	2402	30~1000	1.10	-55.19	≤-18.9	PASS
BLE_1M	Ant1	2402	1000~26500	1.10	-35.97	≤-18.9	PASS
BLE_1M	Ant1	2440	0~Reference	1.07	1.07	---	PASS
BLE_1M	Ant1	2440	30~1000	1.07	-53.77	≤-18.93	PASS
BLE_1M	Ant1	2440	1000~26500	1.07	-36.36	≤-18.93	PASS
BLE_1M	Ant1	2480	0~Reference	0.41	0.41	---	PASS
BLE_1M	Ant1	2480	30~1000	0.41	-53.1	≤-19.59	PASS
BLE_1M	Ant1	2480	1000~26500	0.41	-34.69	≤-19.59	PASS
BLE_2M	Ant1	2402	0~Reference	0.75	0.75	---	PASS
BLE_2M	Ant1	2402	30~1000	0.75	-53.8	≤-19.25	PASS
BLE_2M	Ant1	2402	1000~26500	0.75	-38.16	≤-19.25	PASS
BLE_2M	Ant1	2440	0~Reference	0.18	0.18	---	PASS
BLE_2M	Ant1	2440	30~1000	0.18	-54.82	≤-19.82	PASS
BLE_2M	Ant1	2440	1000~26500	0.18	-36.92	≤-19.82	PASS
BLE_2M	Ant1	2480	0~Reference	-0.22	-0.22	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.22	-54.56	≤-20.22	PASS
BLE_2M	Ant1	2480	1000~26500	-0.22	-36.67	≤-20.22	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.

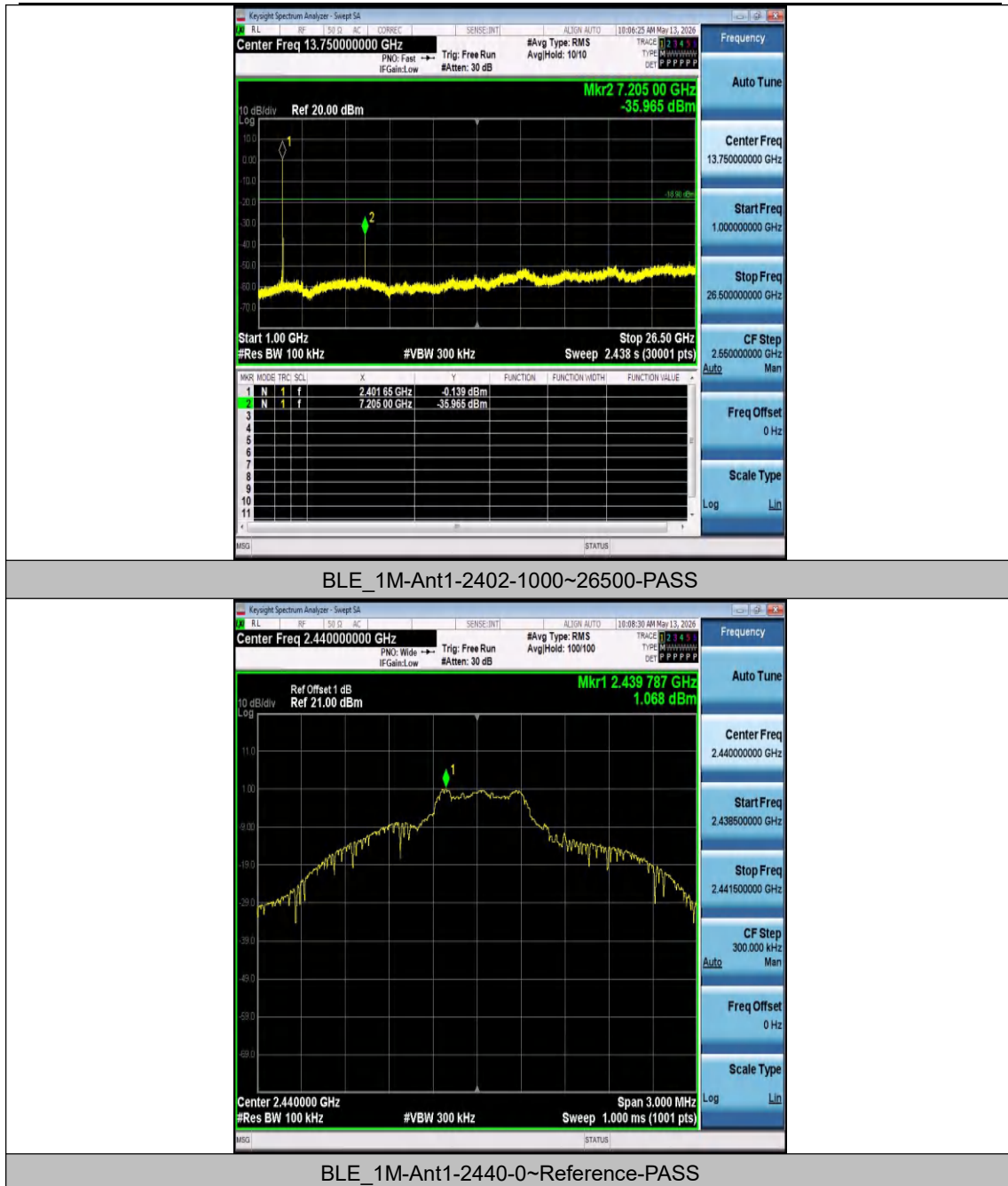
Test Graphs



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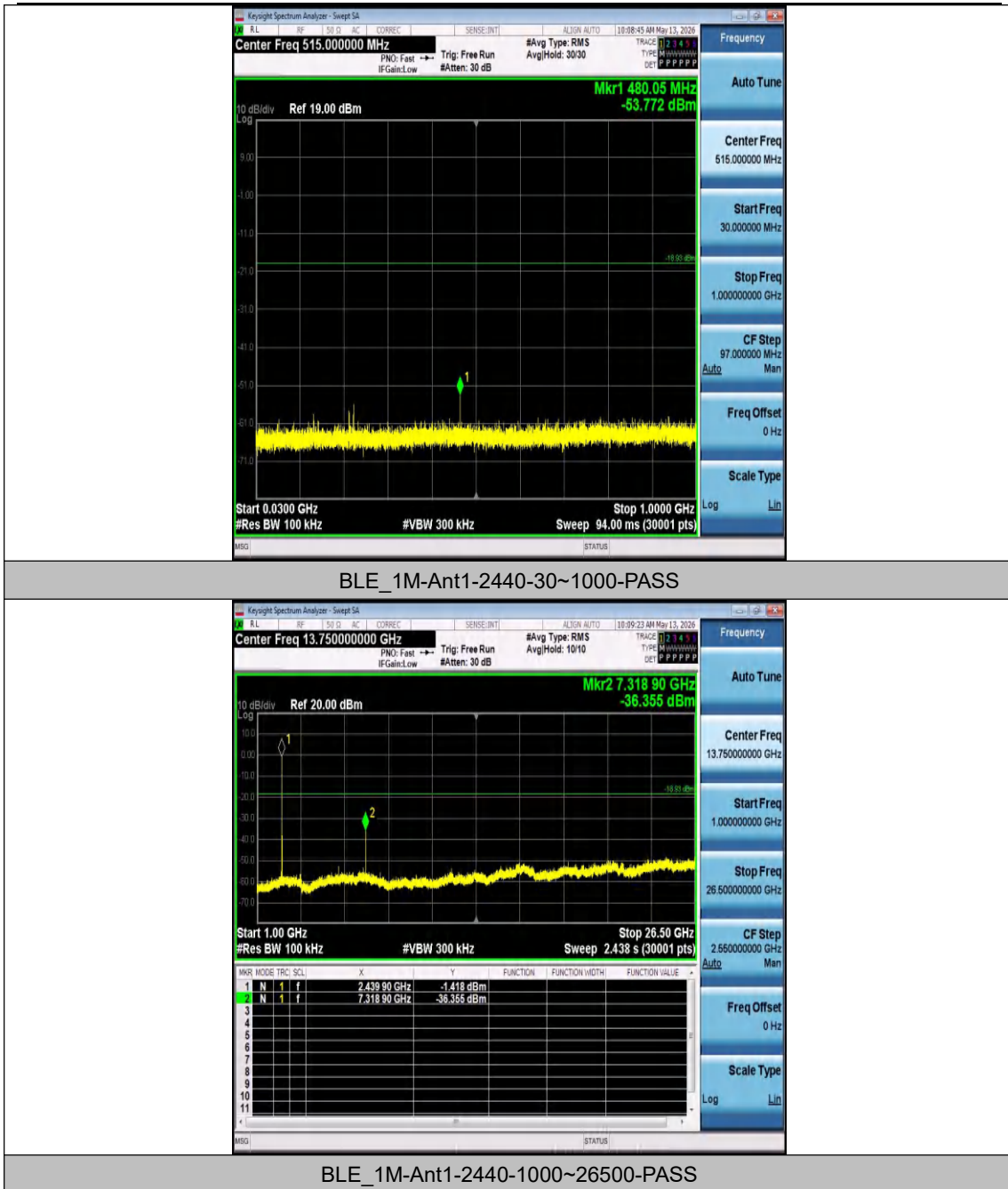
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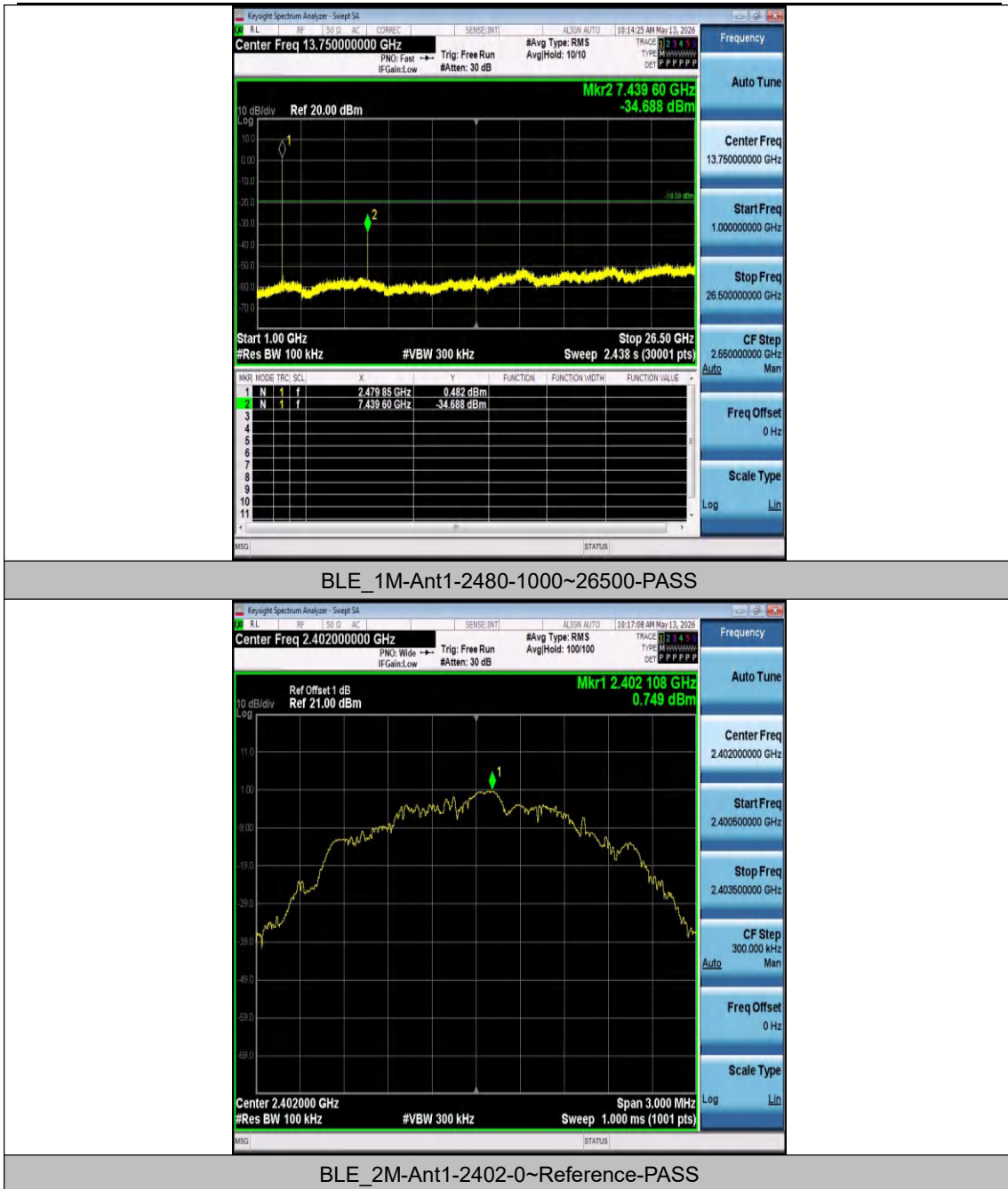
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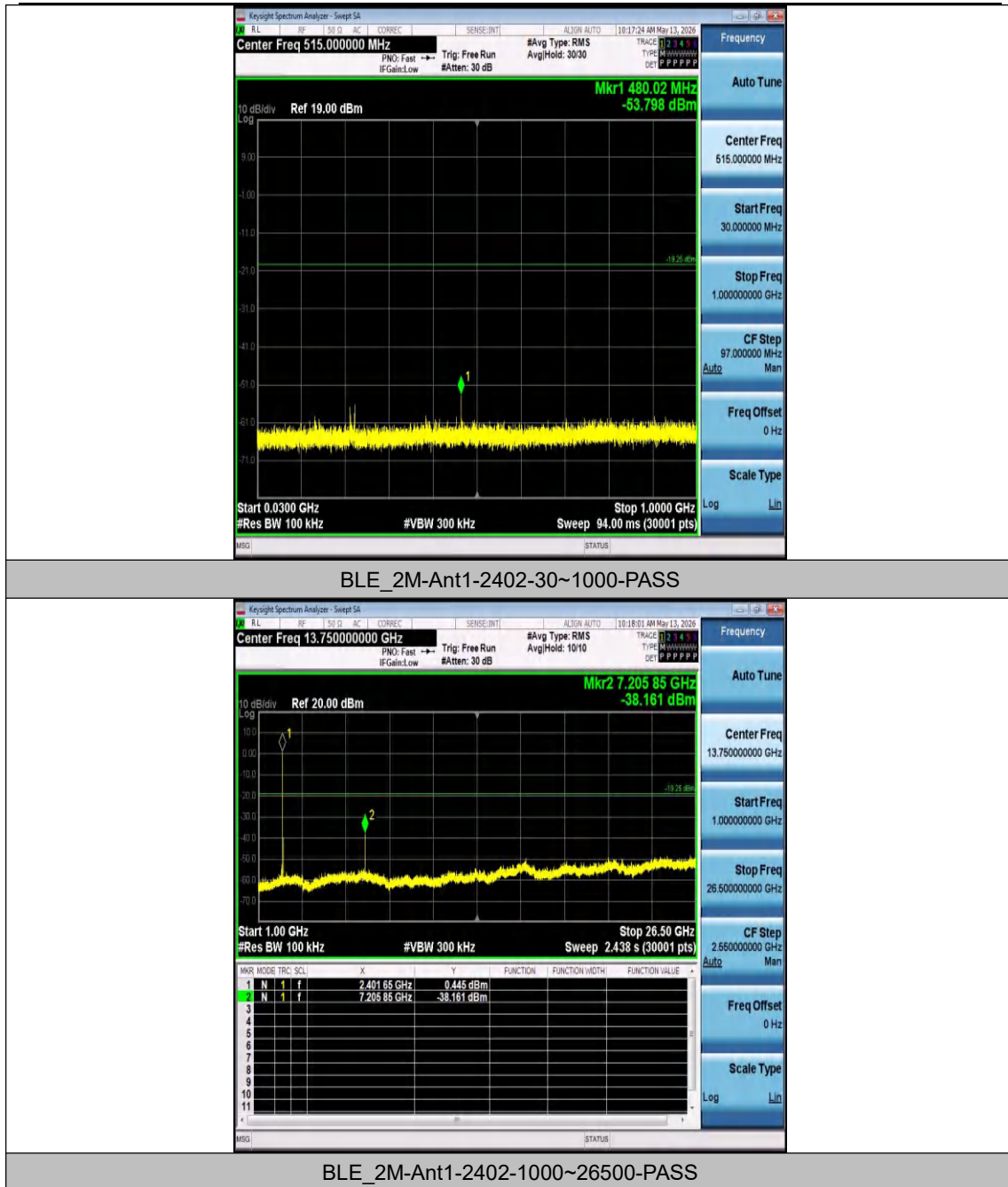
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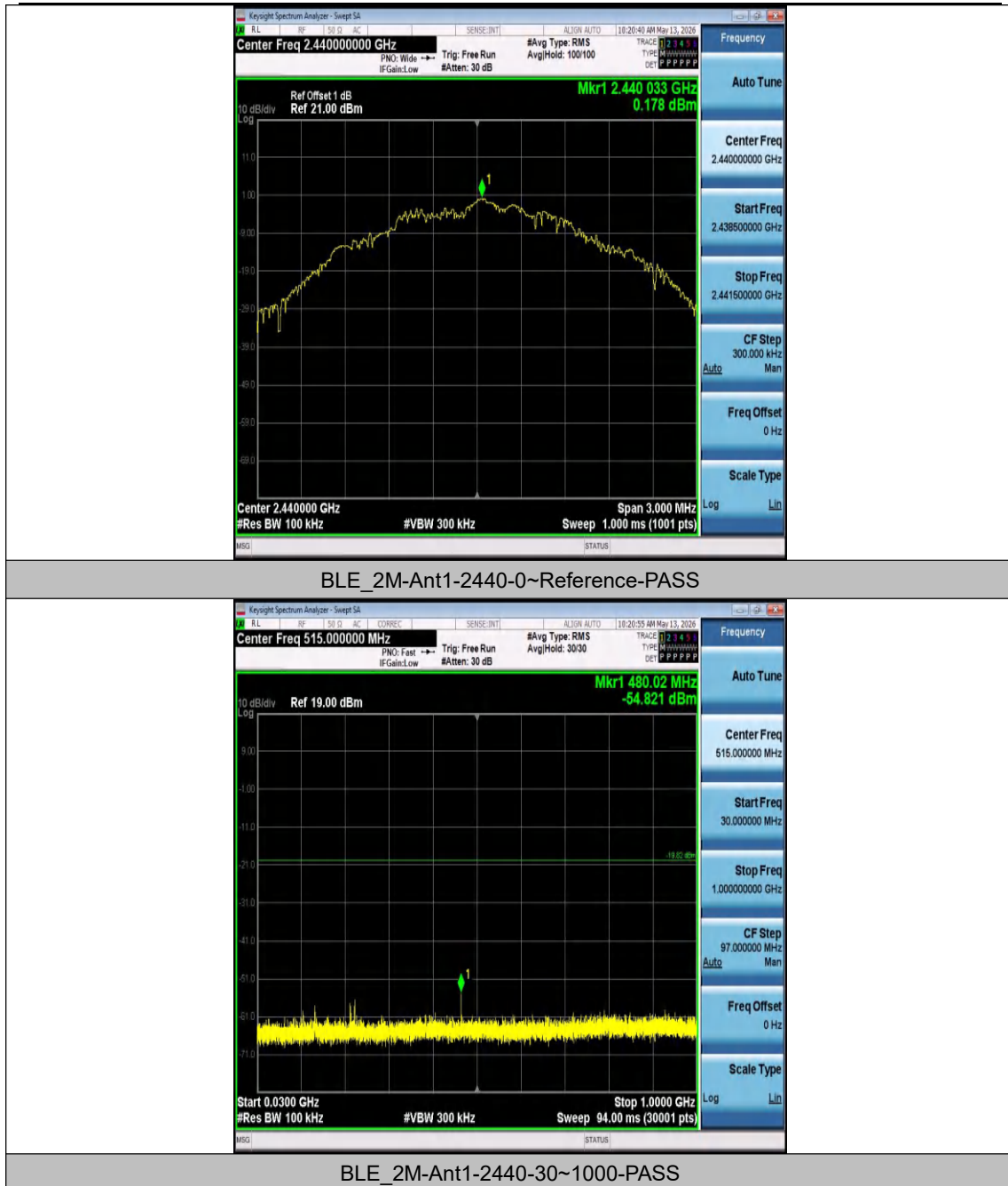
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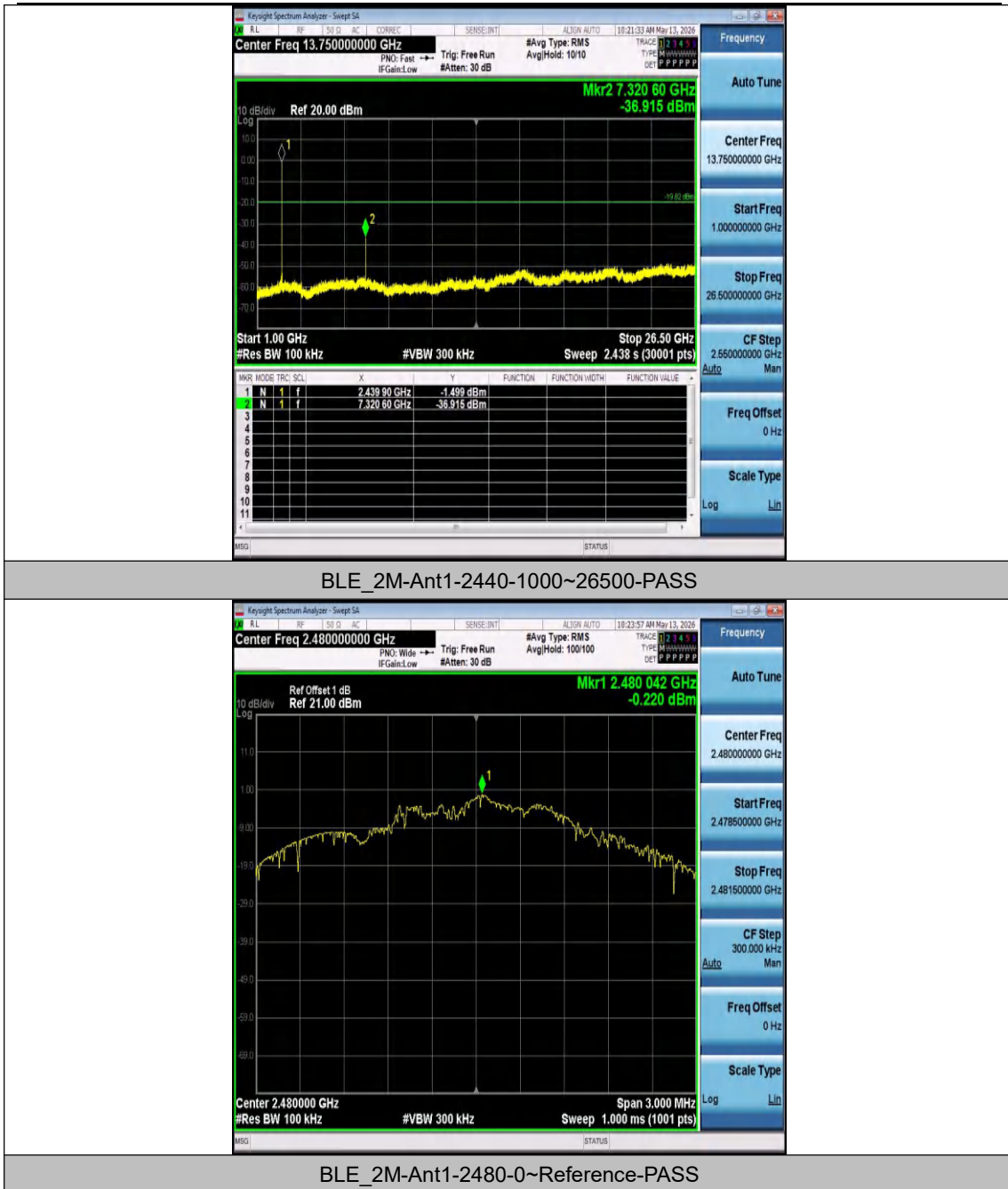
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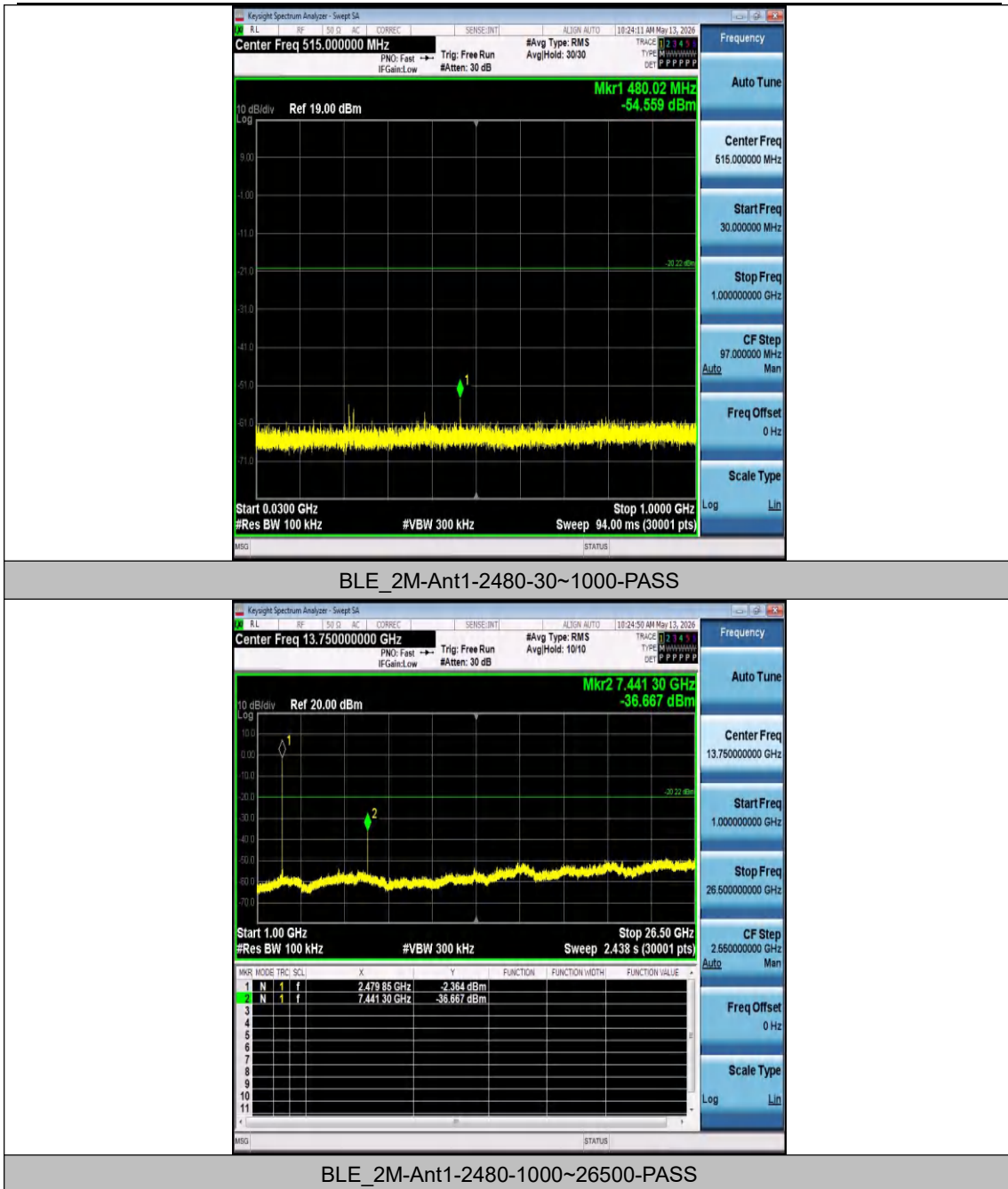
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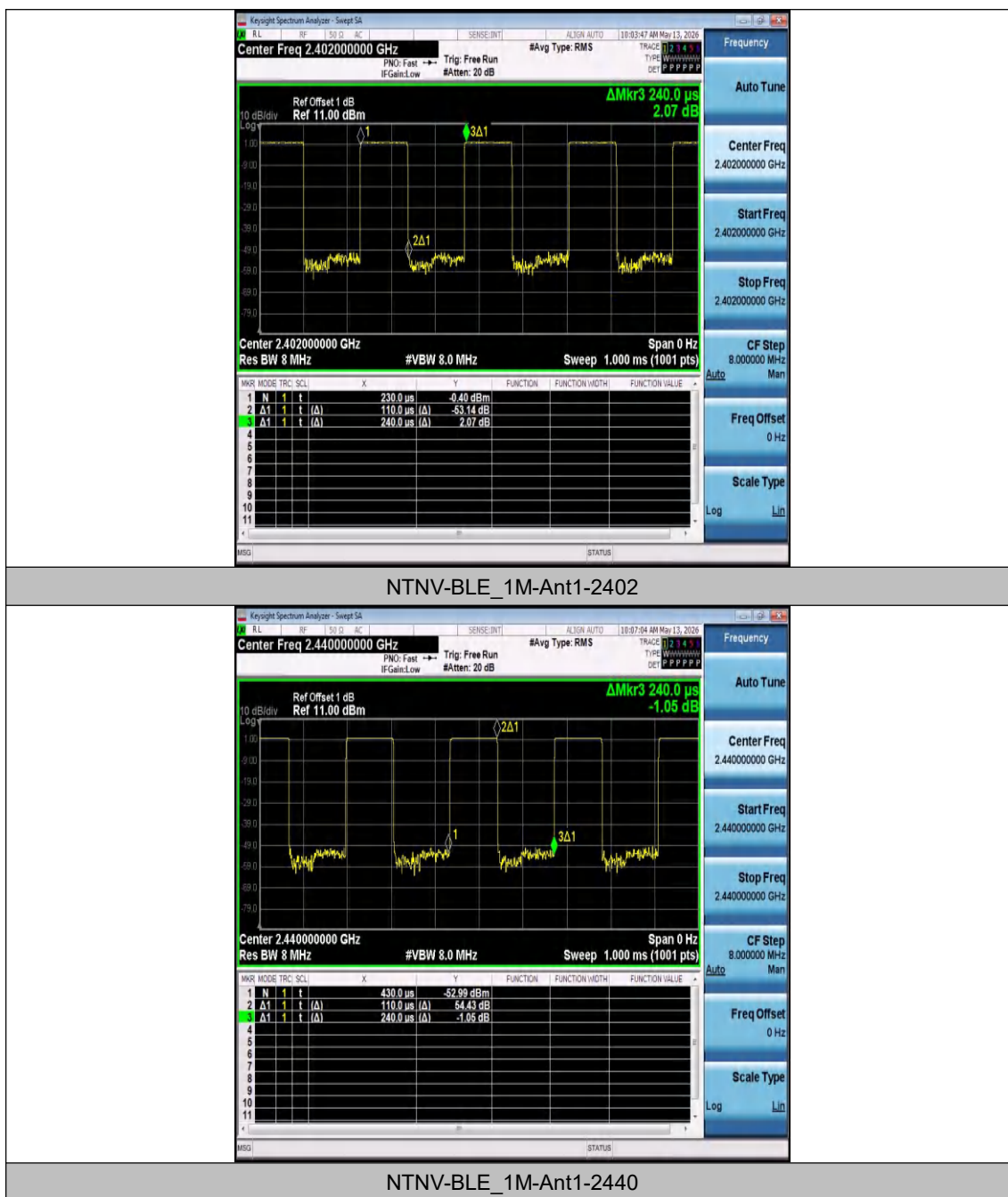
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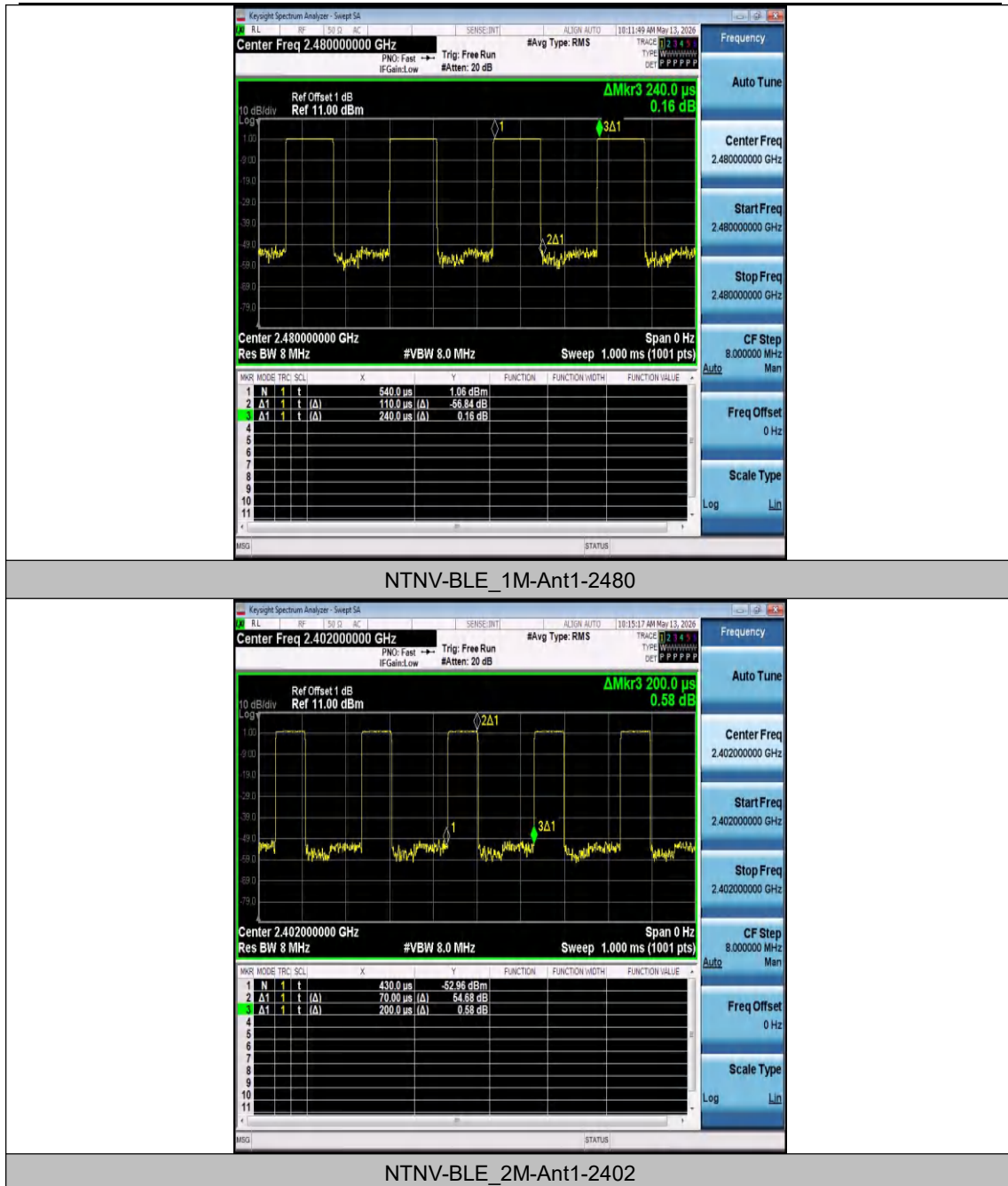
Appendix G: Duty Cycle

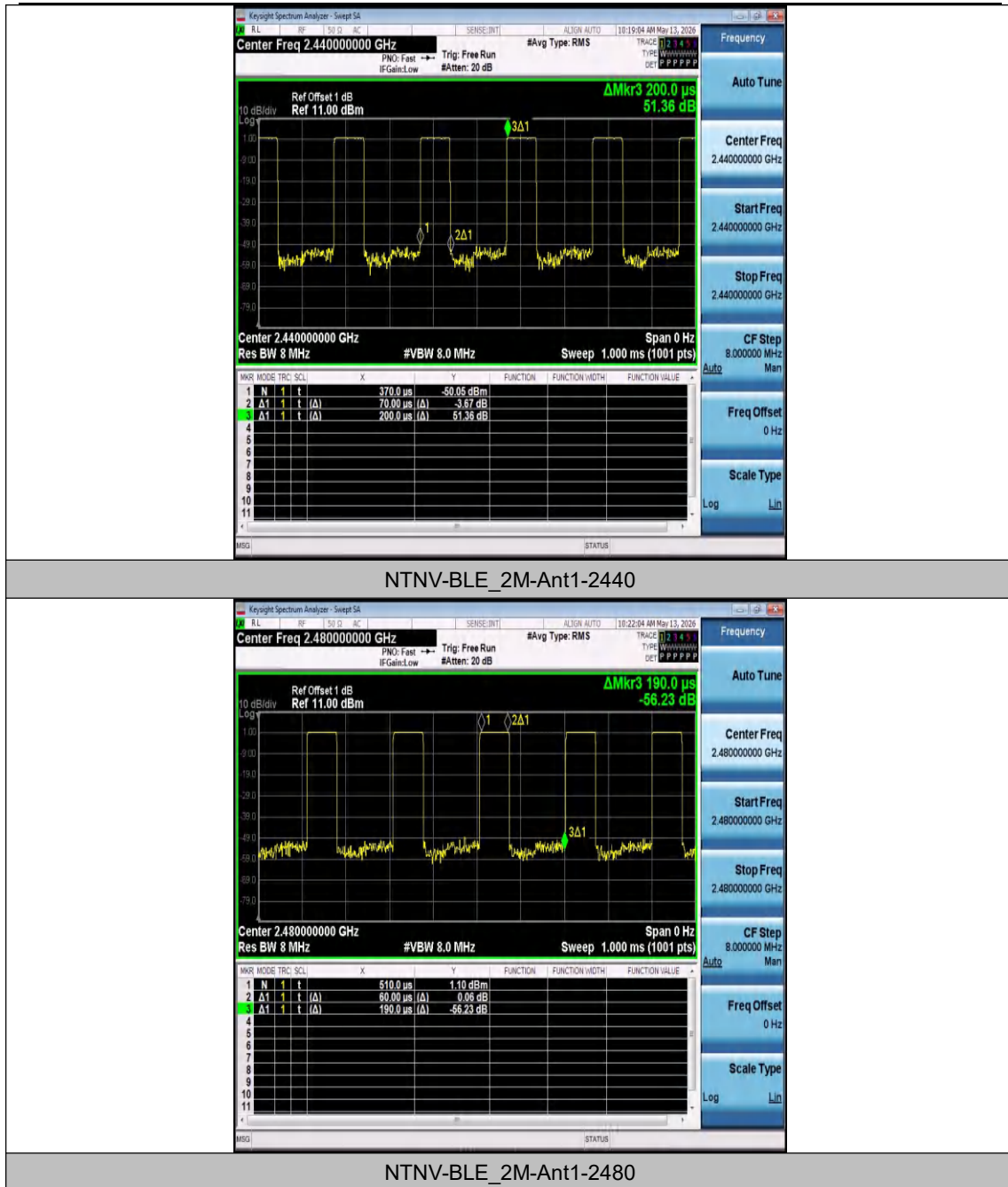
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.11	0.24	45.83	3.39
BLE_1M	Ant1	2440	0.11	0.24	45.83	3.39
BLE_1M	Ant1	2480	0.11	0.24	45.83	3.39
BLE_2M	Ant1	2402	0.07	0.20	35.00	4.56
BLE_2M	Ant1	2440	0.07	0.20	35.00	4.56
BLE_2M	Ant1	2480	0.06	0.19	31.58	5.01

Test Graphs







---End---