

Appendix Test Data

Report No.:	1812C60298712502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-5-29	Finish Test Date:	2026-6-9
Test Engineer:	Huise Guan	Auditor:	Justin Feng
Temperature:	22.5°C	Relative Humidity:	66%
Pressure:	101kPa		

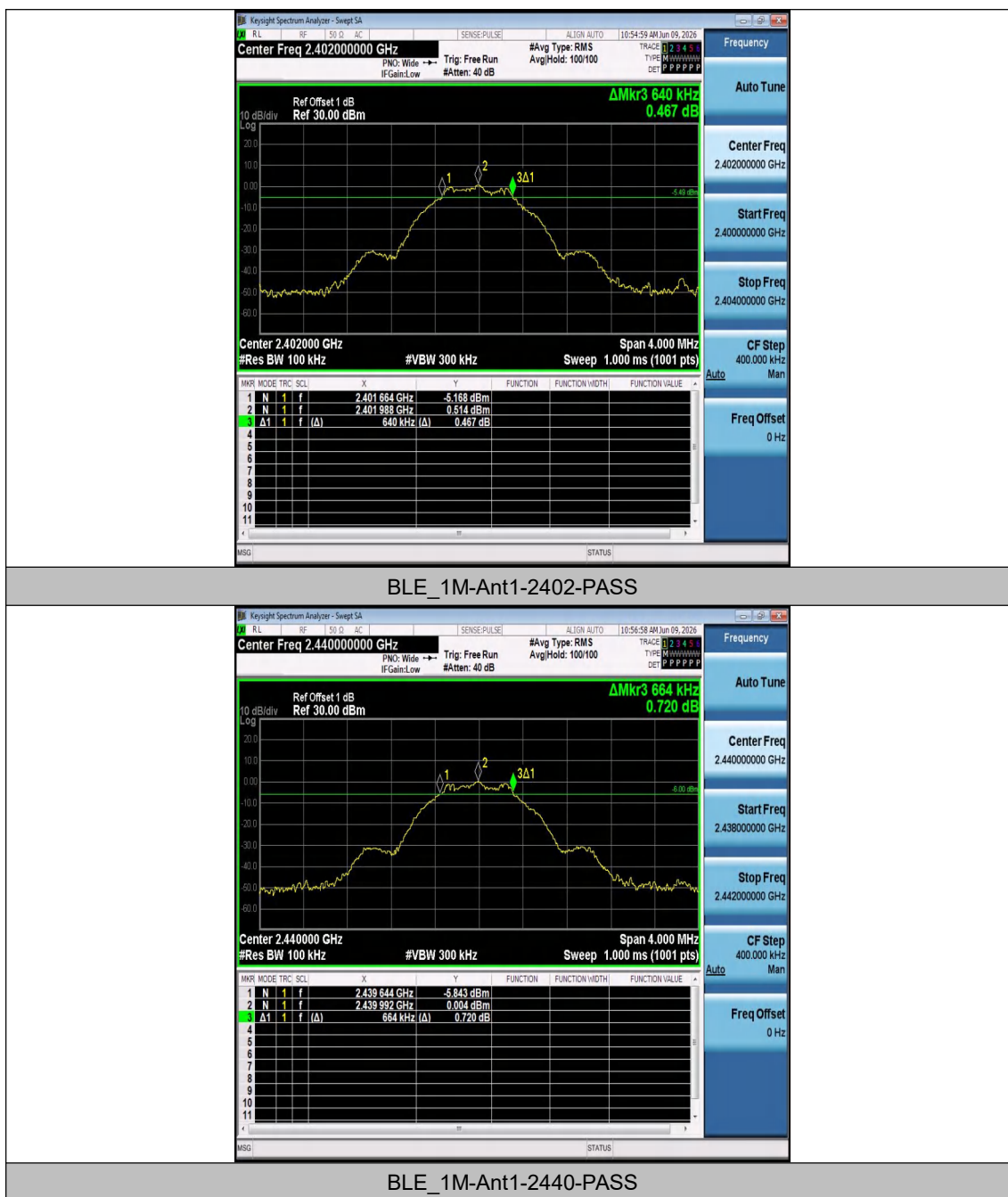


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.664	2402.304	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.644	2440.308	0.5	PASS
BLE_1M	Ant1	2480	0.720	2479.612	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.088	2401.448	2402.536	0.5	PASS
BLE_2M	Ant1	2440	1.124	2439.432	2440.556	0.5	PASS
BLE_2M	Ant1	2480	1.104	2479.440	2480.544	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	1.0385	2401.4746	2402.5131	---	---
BLE_1M	Ant1	2440	1.0374	2439.4746	2440.5120	---	---
BLE_1M	Ant1	2480	1.0441	2479.4690	2480.5131	---	---
BLE_2M	Ant1	2402	2.0628	2400.9736	2403.0364	---	---
BLE_2M	Ant1	2440	2.0530	2438.9848	2441.0378	---	---
BLE_2M	Ant1	2480	2.0651	2478.9730	2481.0381	---	---

Test Graphs



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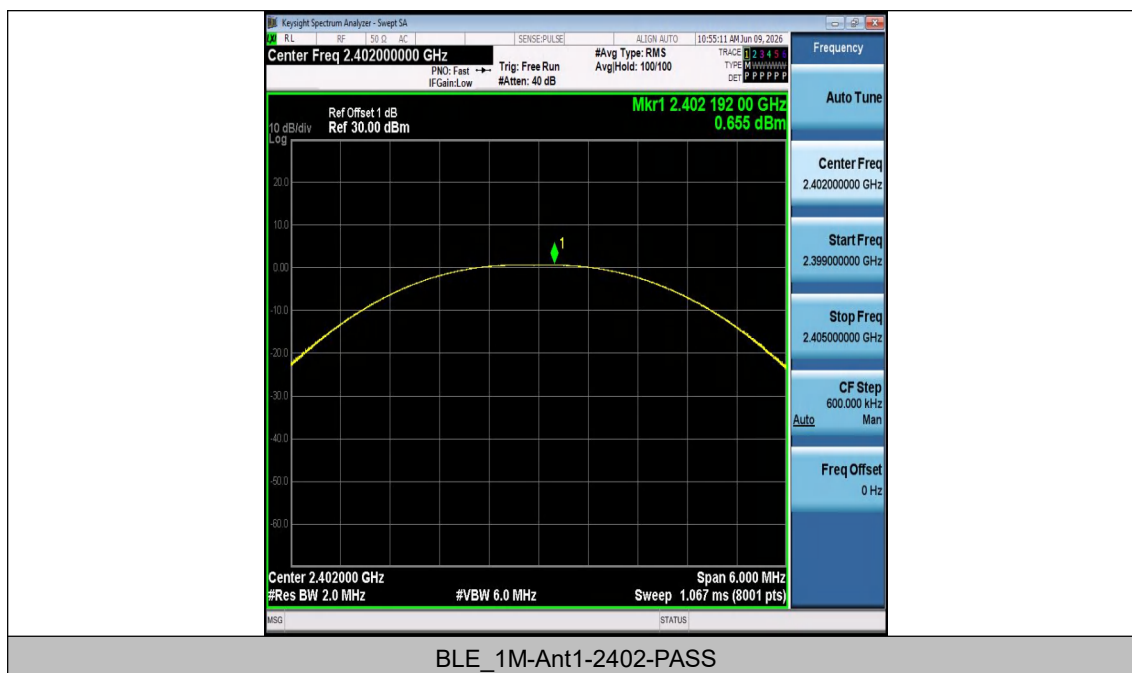
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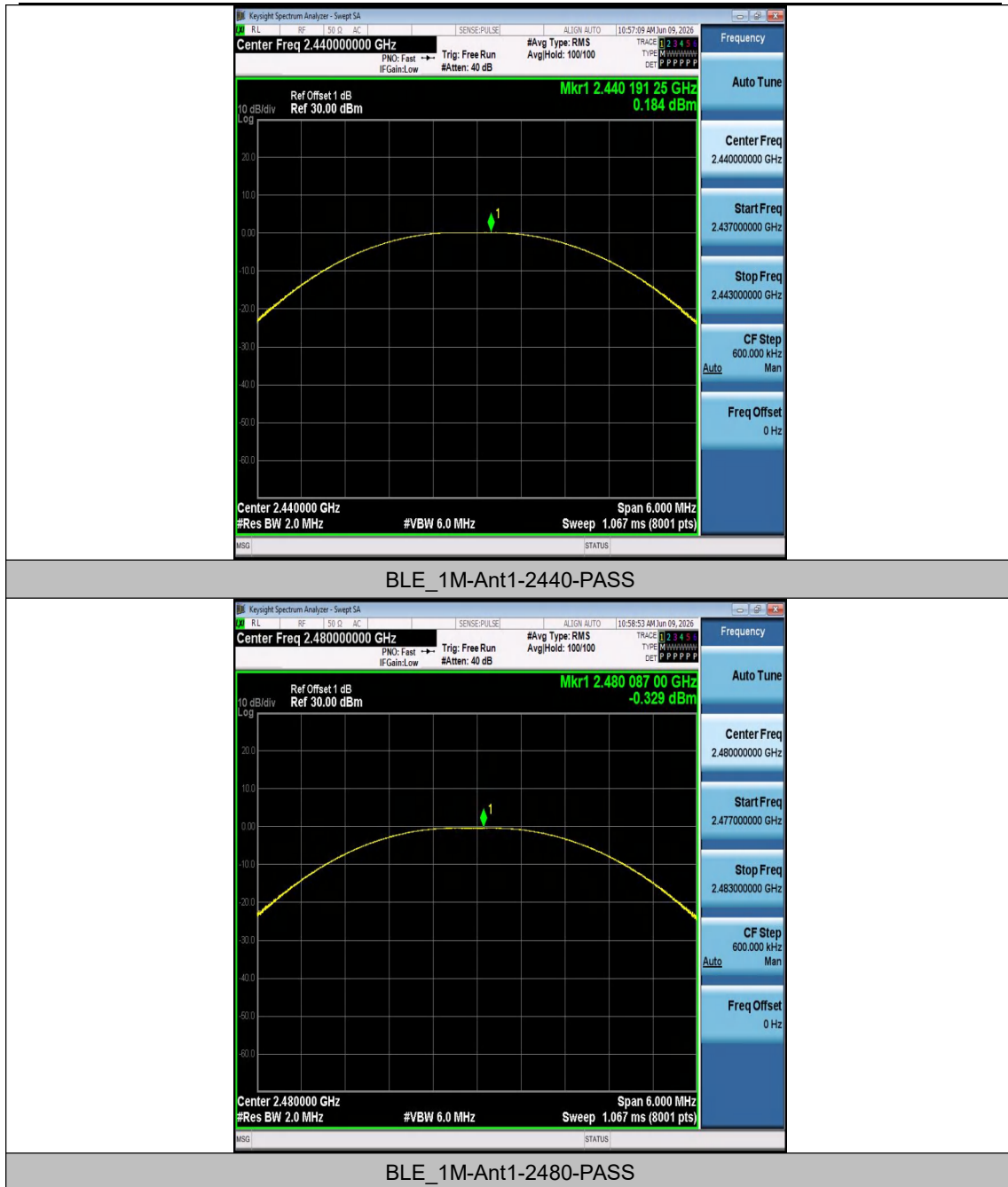
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.66	≤30	PASS
BLE_1M	Ant1	2440	0.18	≤30	PASS
BLE_1M	Ant1	2480	-0.33	≤30	PASS
BLE_2M	Ant1	2402	0.64	≤30	PASS
BLE_2M	Ant1	2440	0.17	≤30	PASS
BLE_2M	Ant1	2480	-0.35	≤30	PASS

Test Graphs Peak

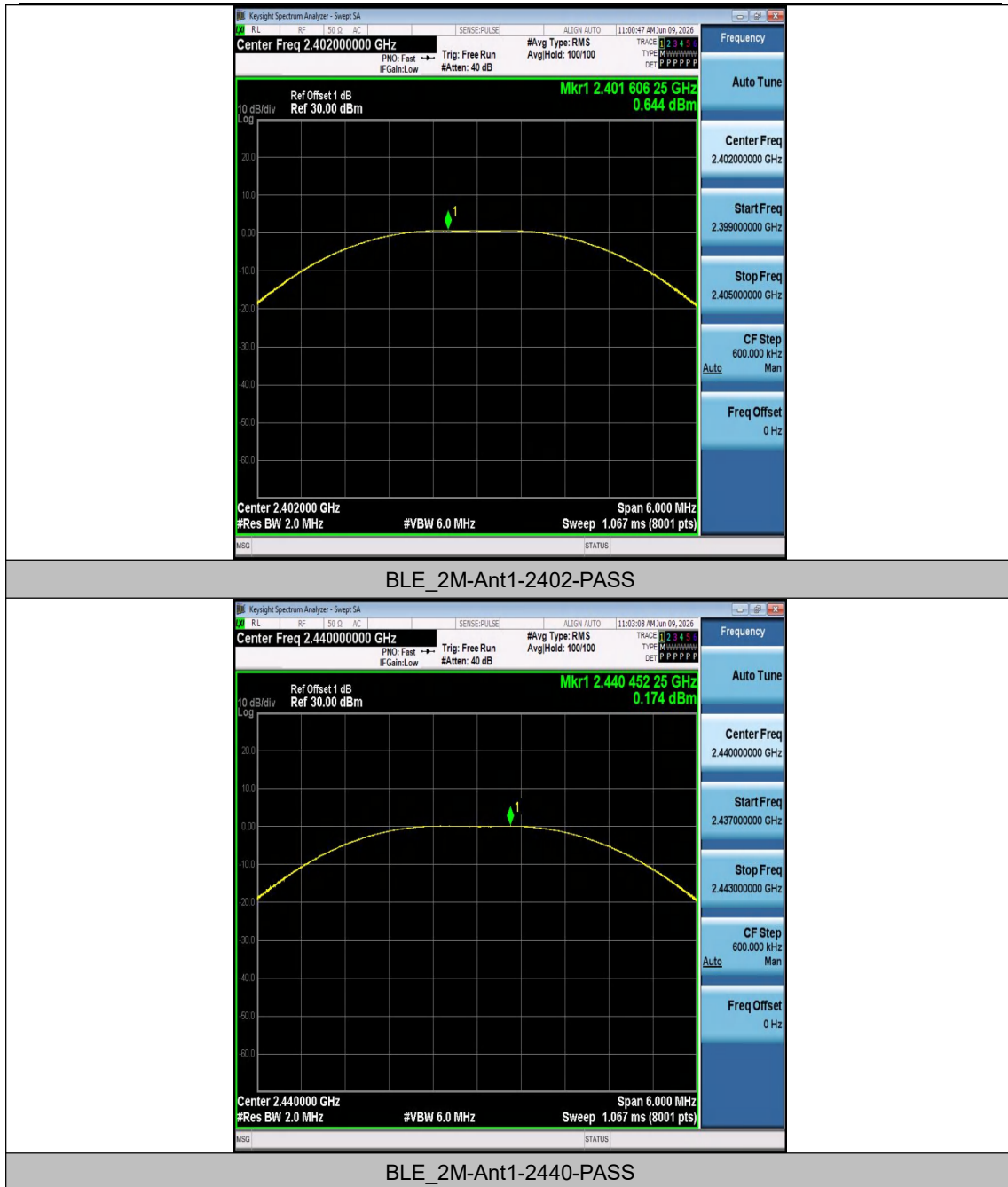




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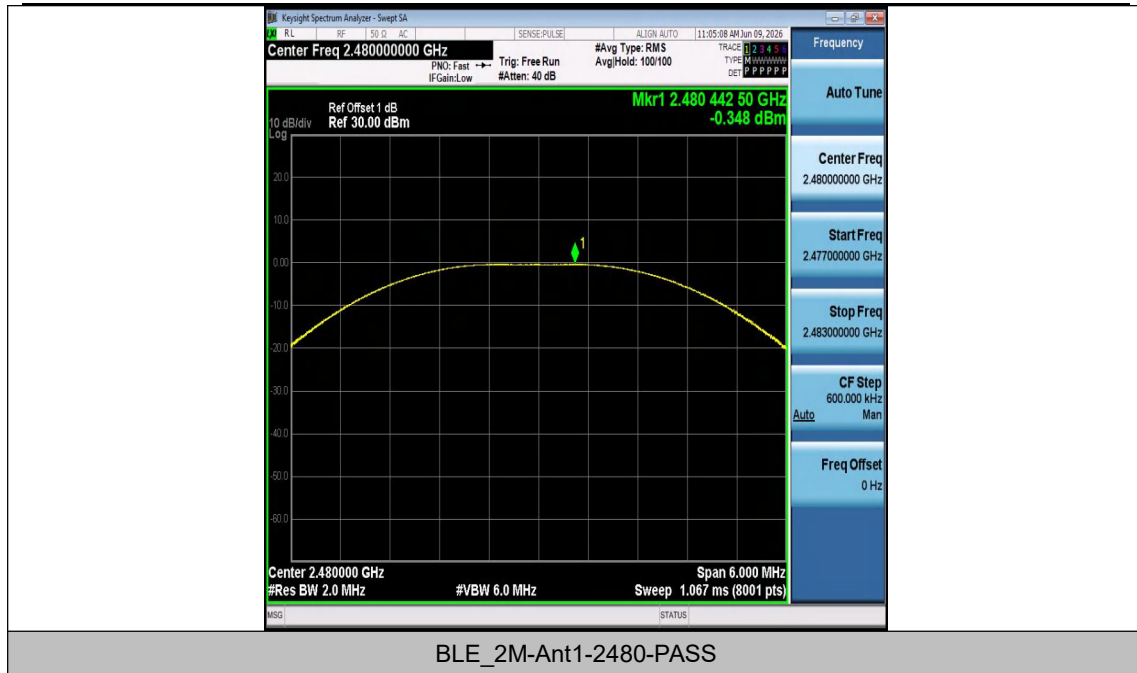
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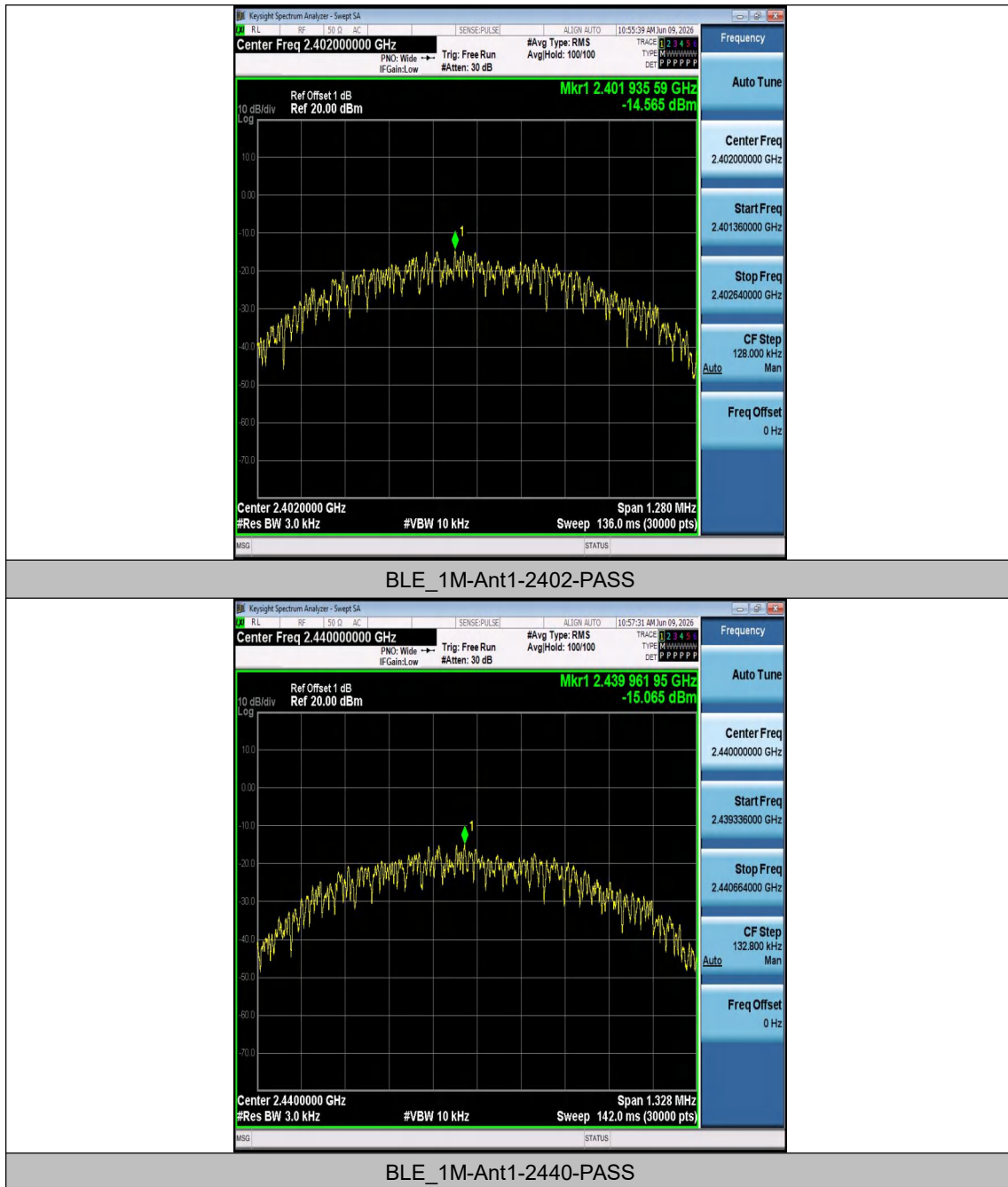
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.57	≤8.00	PASS
BLE_1M	Ant1	2440	-15.07	≤8.00	PASS
BLE_1M	Ant1	2480	-15.89	≤8.00	PASS
BLE_2M	Ant1	2402	-17.09	≤8.00	PASS
BLE_2M	Ant1	2440	-17.59	≤8.00	PASS
BLE_2M	Ant1	2480	-17.95	≤8.00	PASS

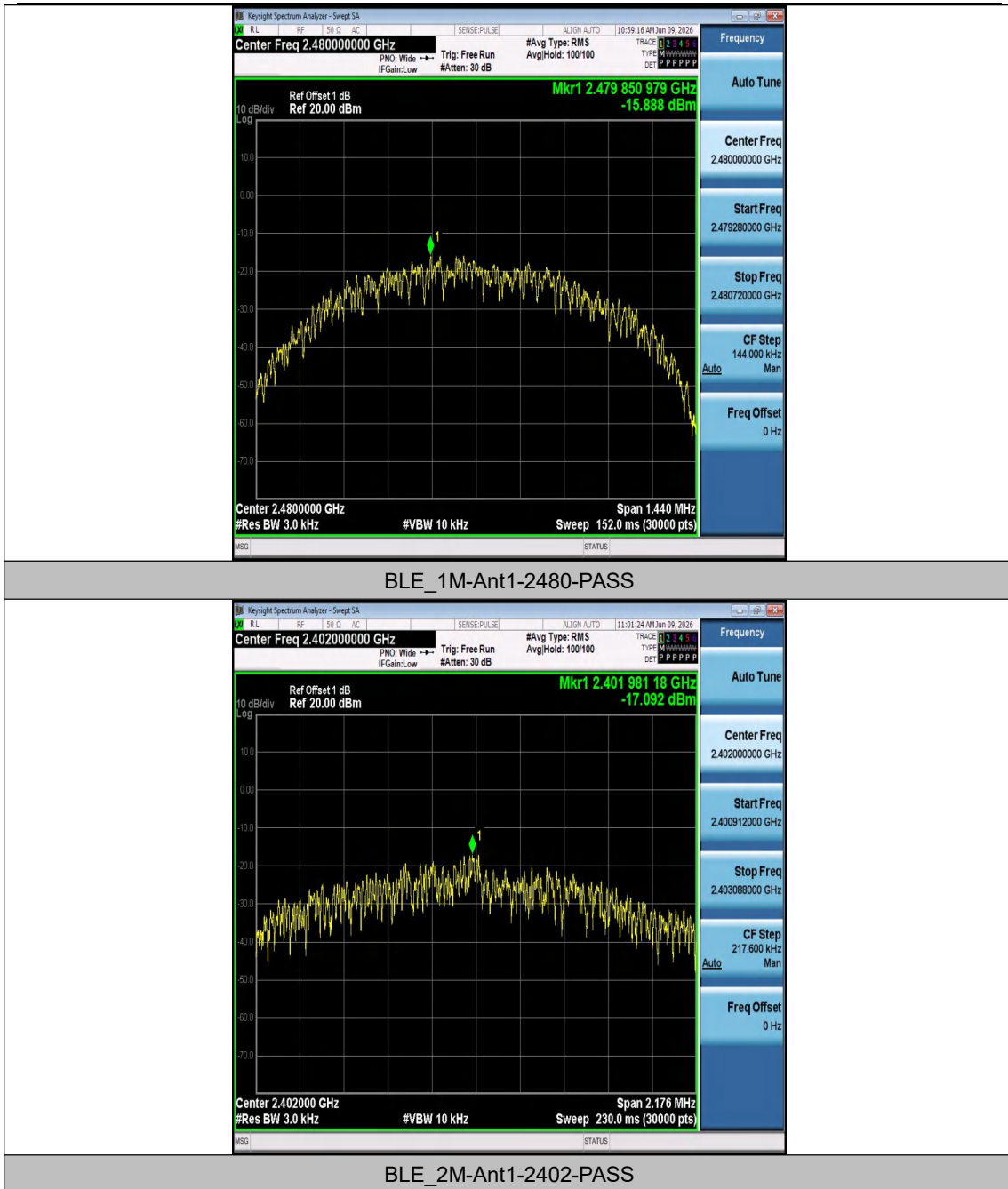
Test Graphs



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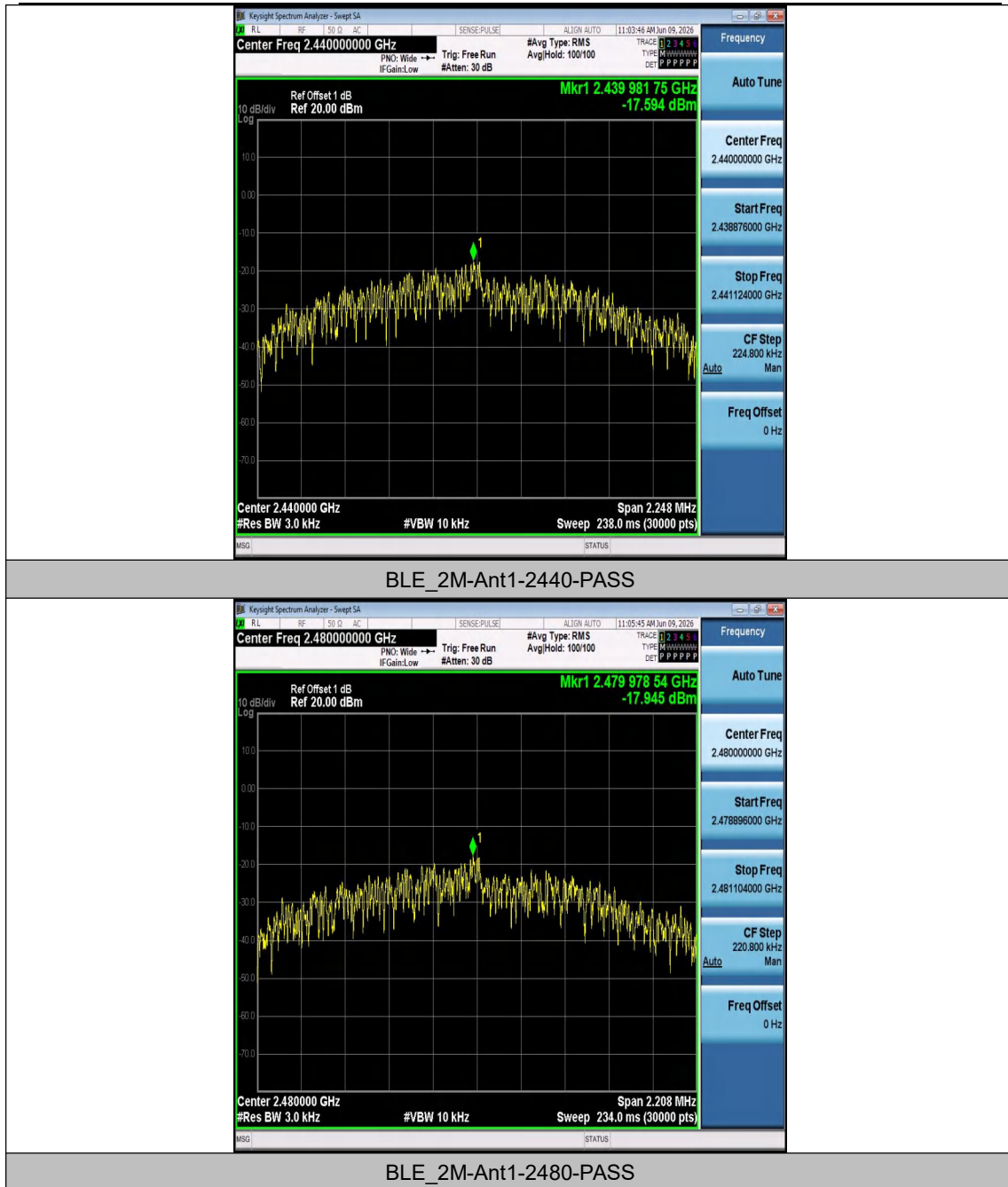
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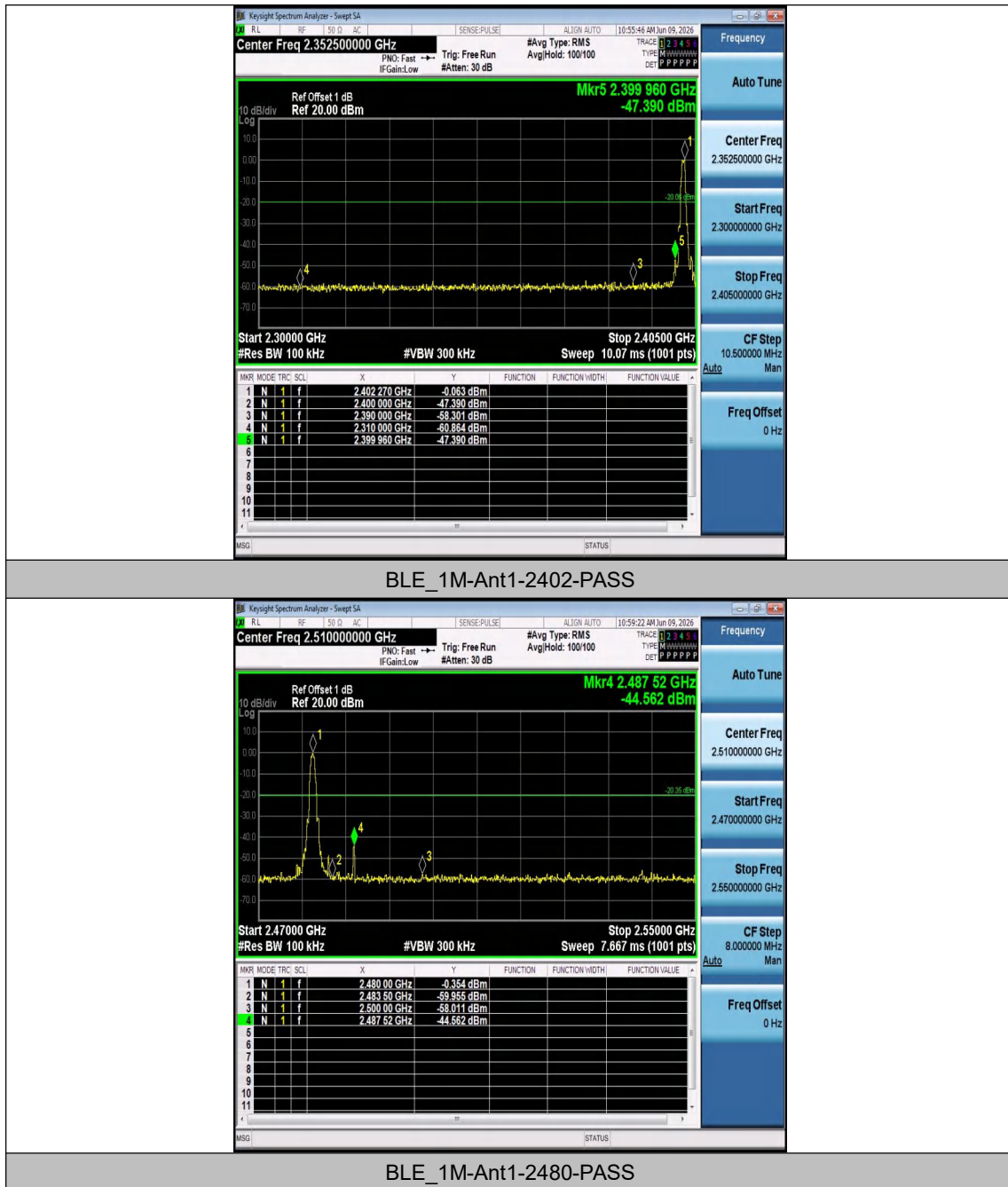
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.06	-47.39	≤-20.06	PASS
BLE_1M	Ant1	High	2480	-0.35	-44.56	≤-20.35	PASS
BLE_2M	Ant1	Low	2402	0.58	-34.51	≤-19.42	PASS
BLE_2M	Ant1	High	2480	-0.42	-43.59	≤-20.42	PASS

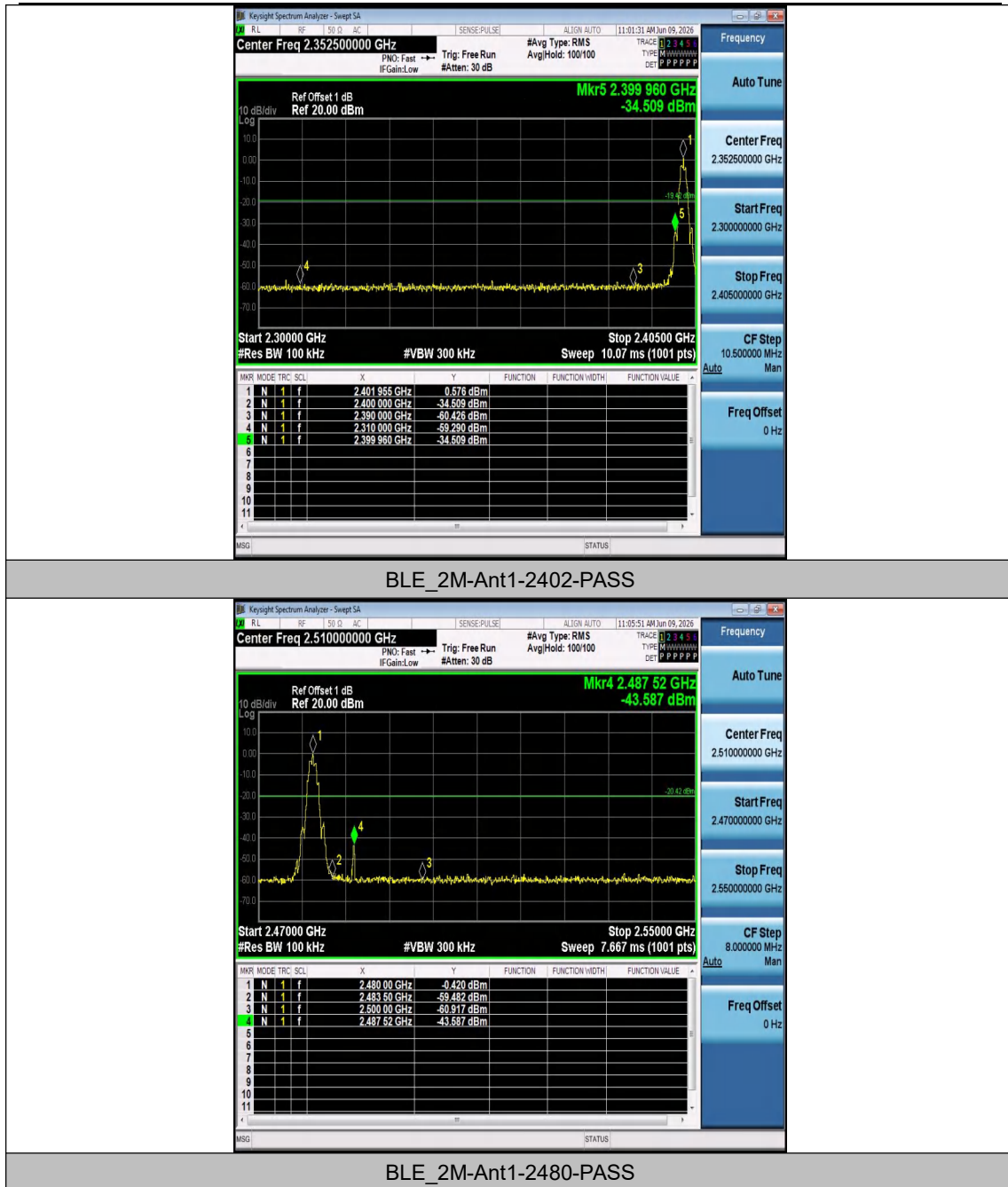
Test Graphs



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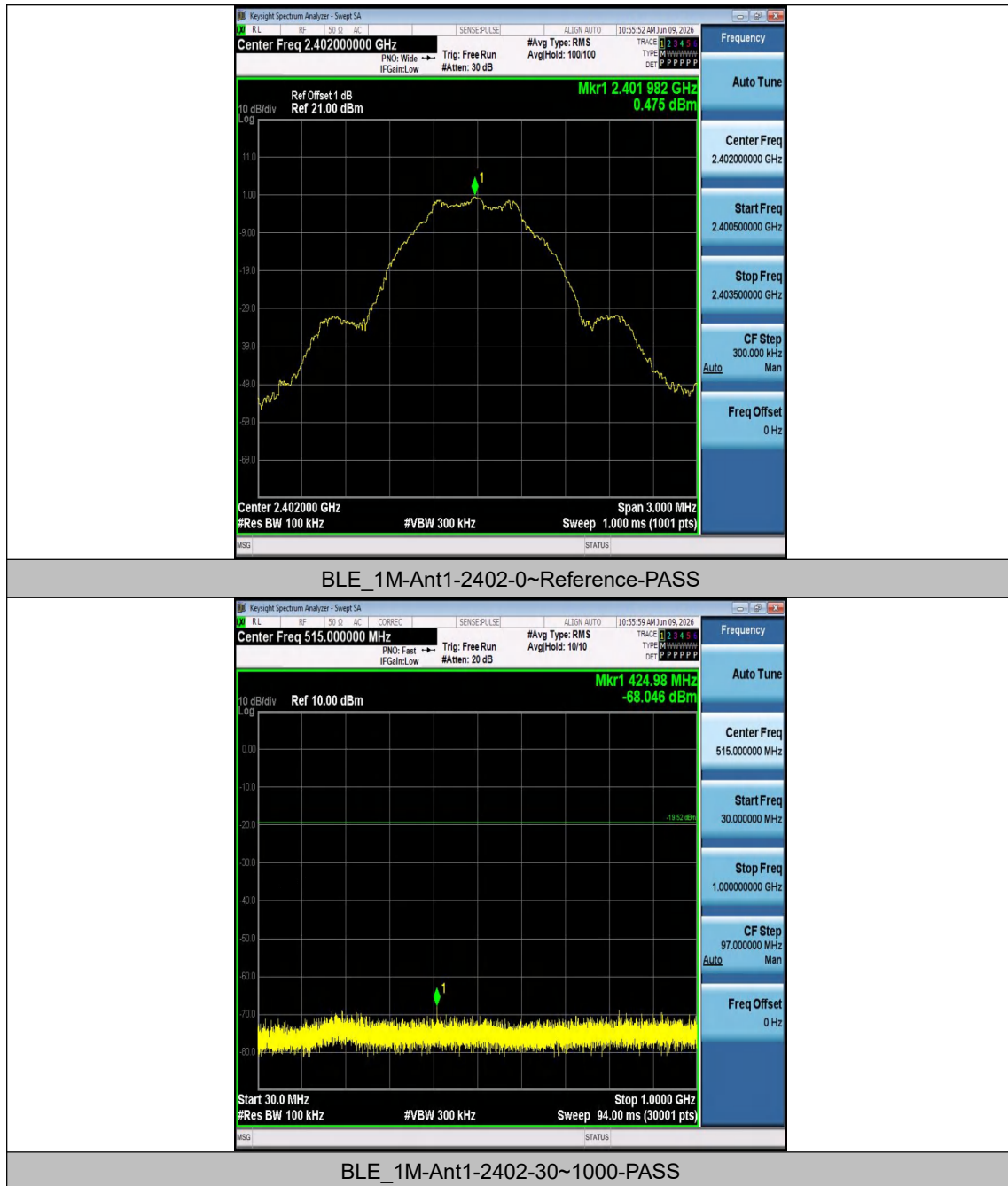
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.48	0.48	---	PASS
BLE_1M	Ant1	2402	30~1000	0.48	-68.05	≤-19.52	PASS
BLE_1M	Ant1	2402	1000~26500	0.48	-35.57	≤-19.52	PASS
BLE_1M	Ant1	2440	0~Reference	-0.03	-0.03	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.03	-68.73	≤-20.03	PASS
BLE_1M	Ant1	2440	1000~26500	-0.03	-36.06	≤-20.03	PASS
BLE_1M	Ant1	2480	0~Reference	-0.50	-0.50	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.50	-69.13	≤-20.5	PASS
BLE_1M	Ant1	2480	1000~26500	-0.50	-36.15	≤-20.5	PASS
BLE_2M	Ant1	2402	0~Reference	0.48	0.48	---	PASS
BLE_2M	Ant1	2402	30~1000	0.48	-68.76	≤-19.52	PASS
BLE_2M	Ant1	2402	1000~26500	0.48	-35.89	≤-19.52	PASS
BLE_2M	Ant1	2440	0~Reference	-0.02	-0.02	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.02	-69.08	≤-20.02	PASS
BLE_2M	Ant1	2440	1000~26500	-0.02	-35.5	≤-20.02	PASS
BLE_2M	Ant1	2480	0~Reference	-0.78	-0.78	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.78	-68.35	≤-20.78	PASS
BLE_2M	Ant1	2480	1000~26500	-0.78	-35.67	≤-20.78	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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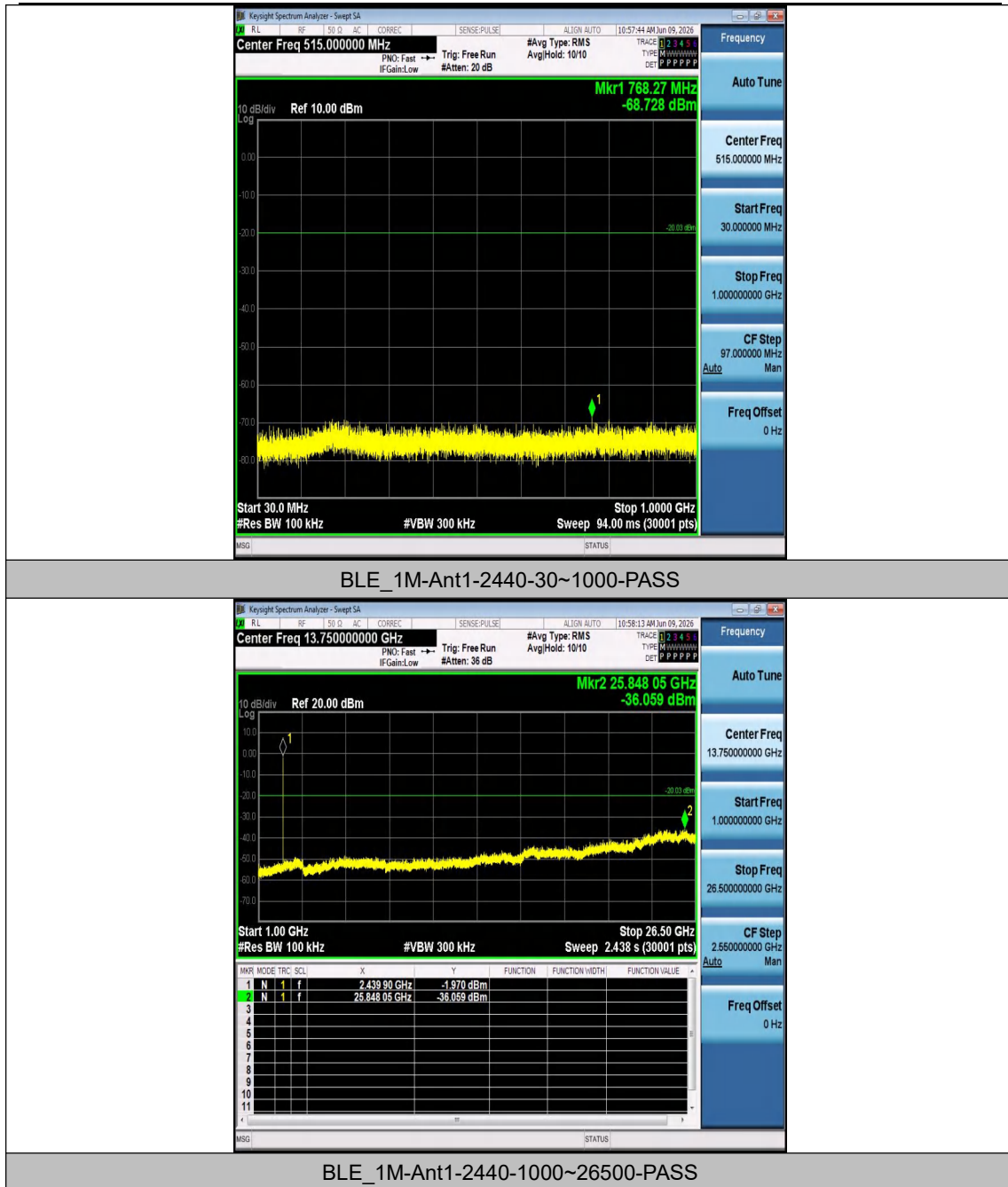
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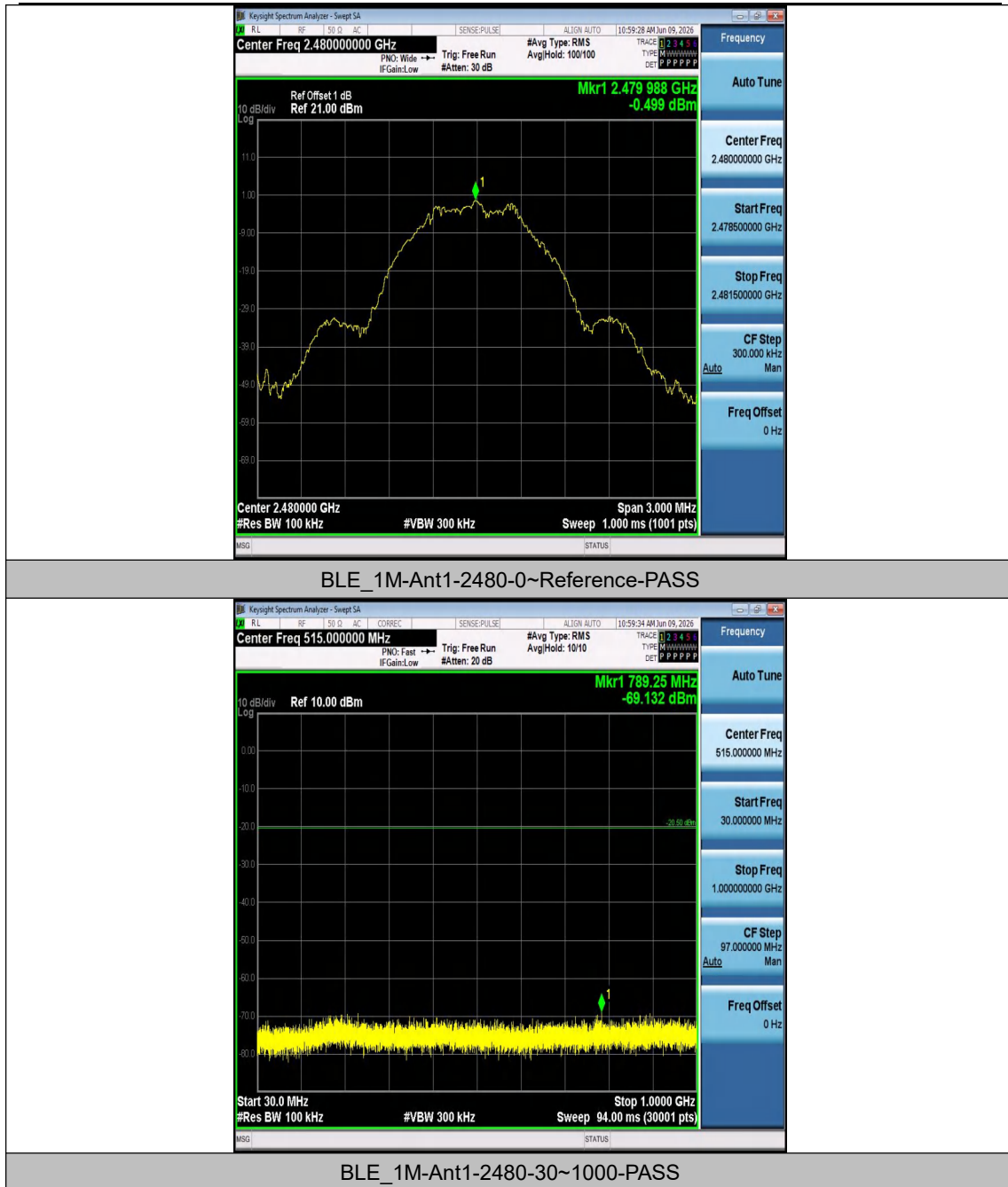
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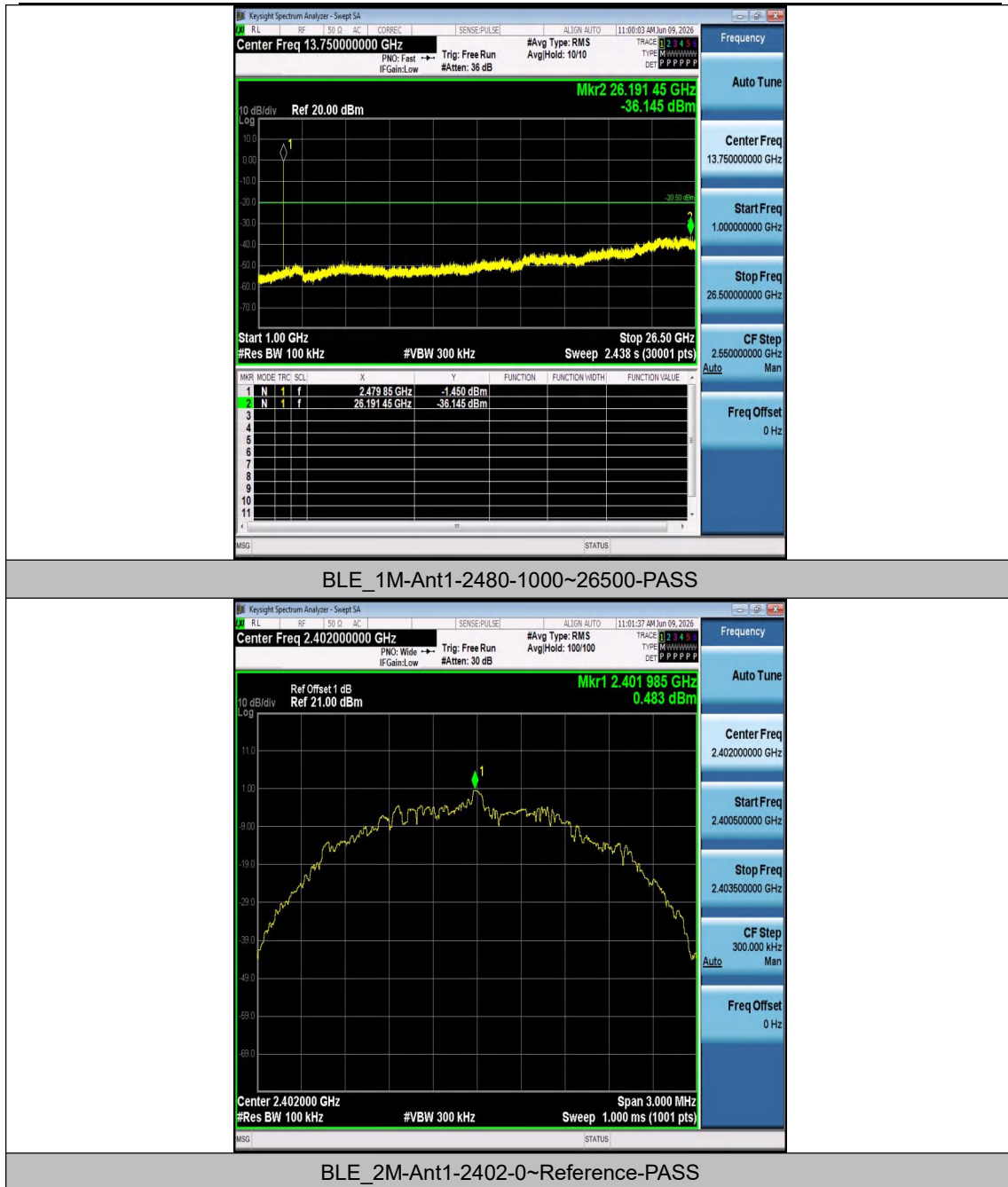
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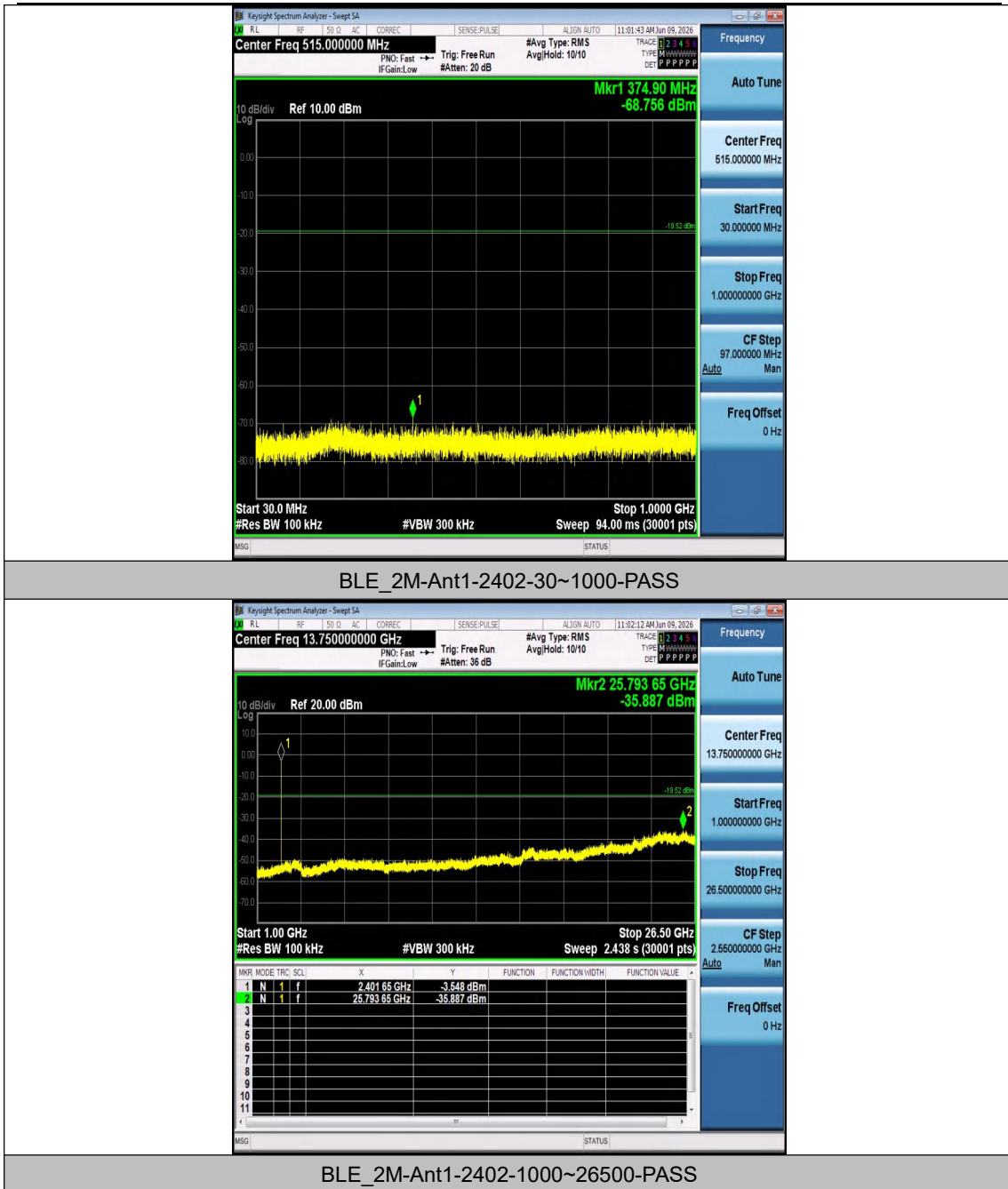
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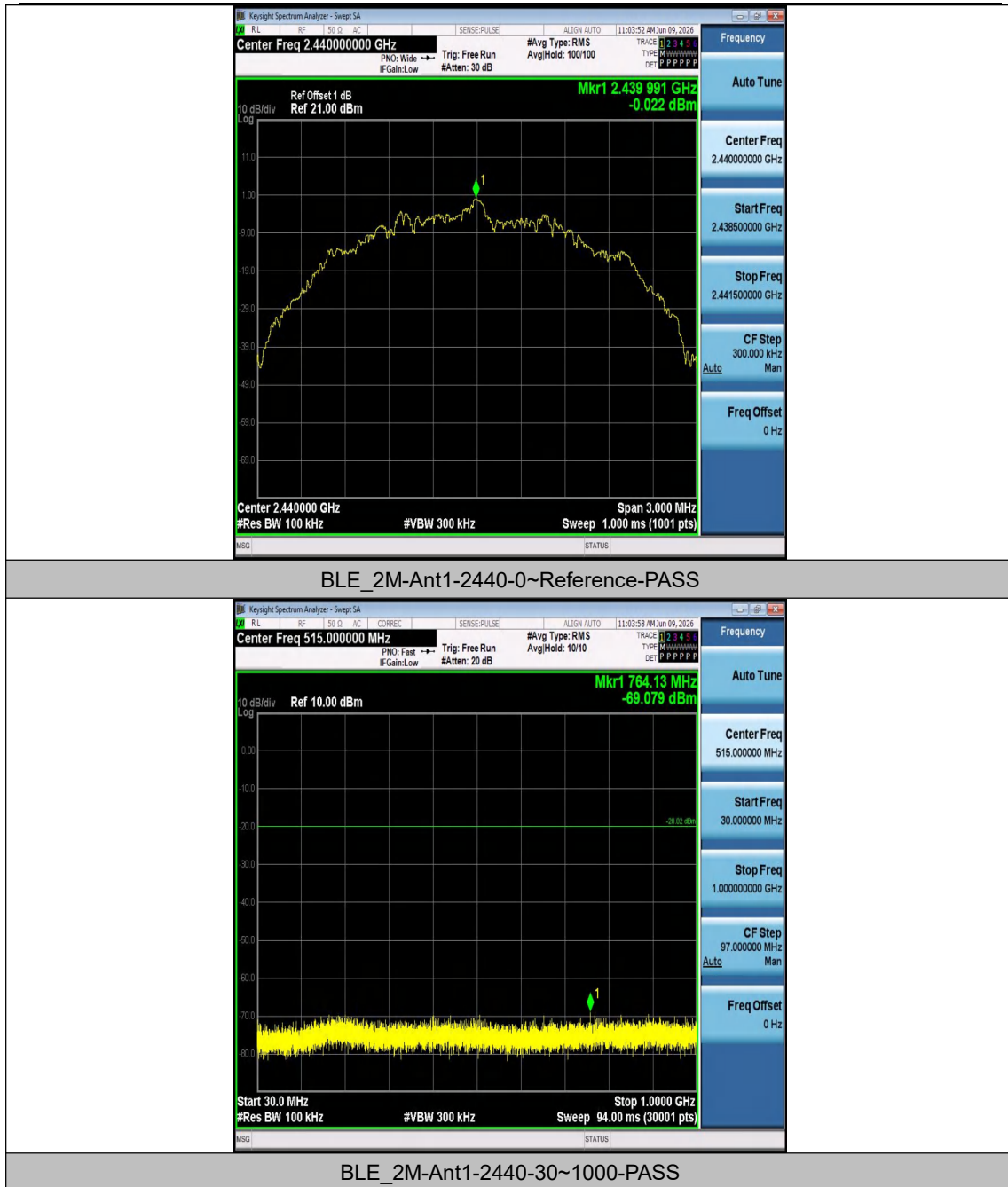
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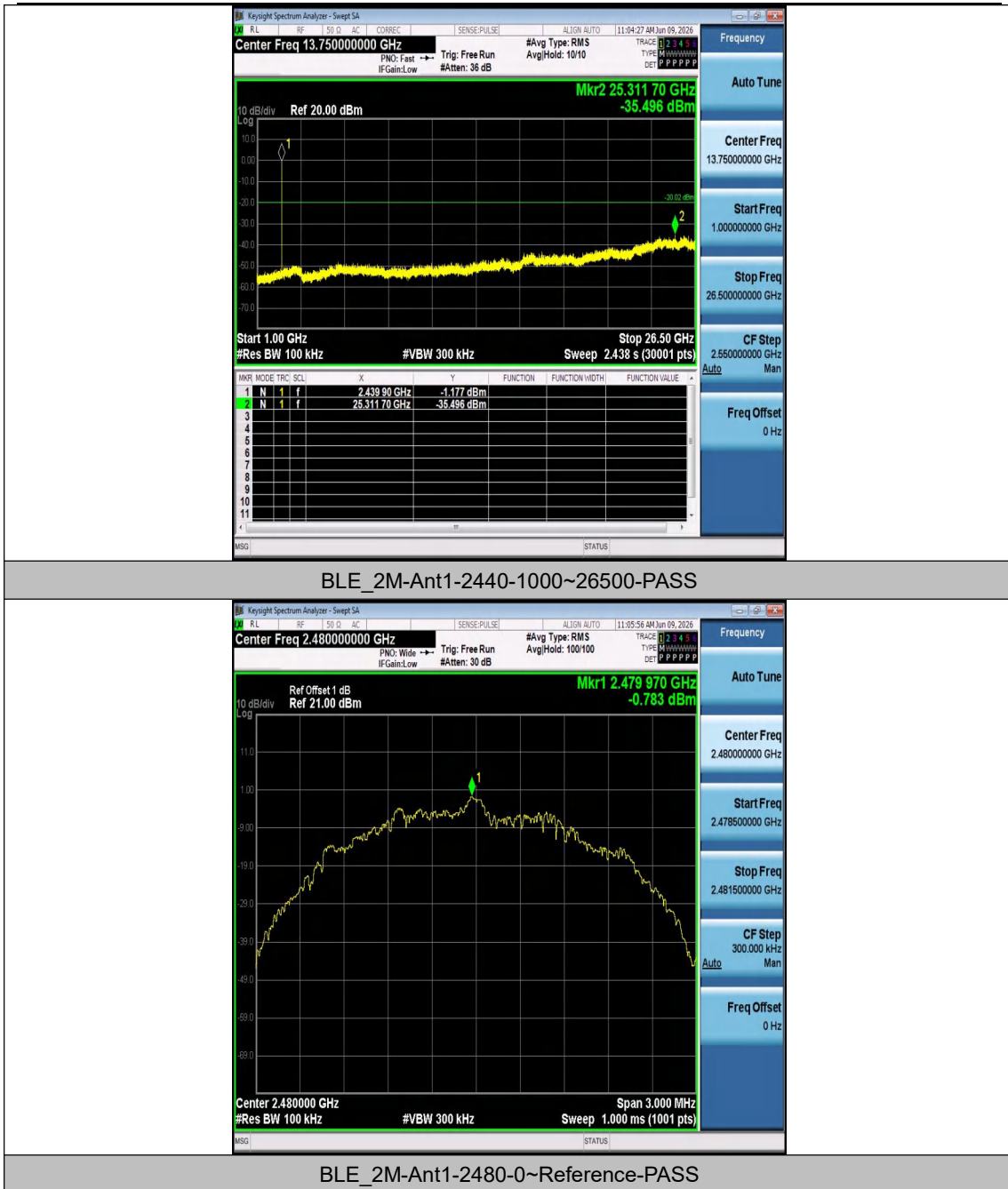
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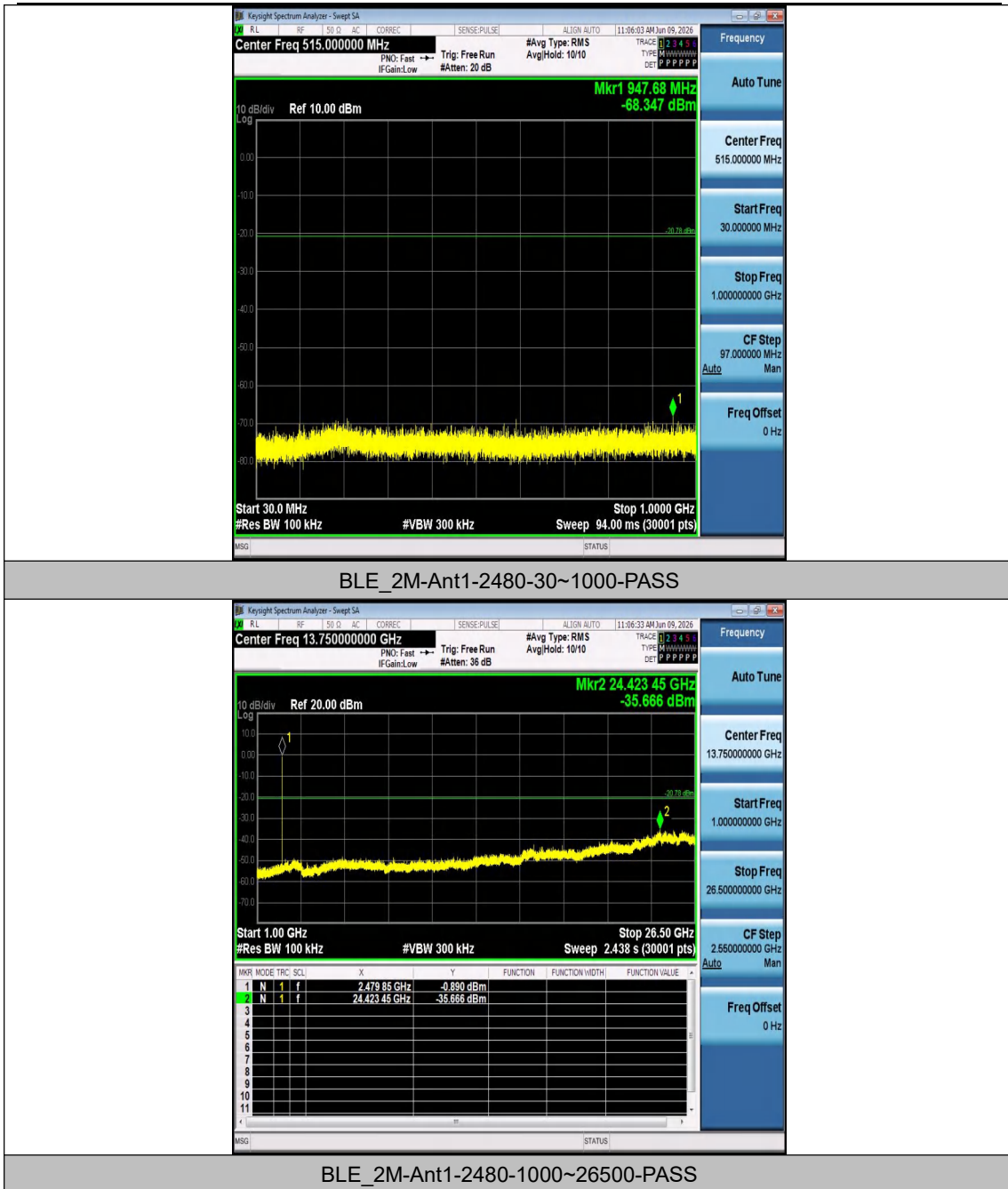
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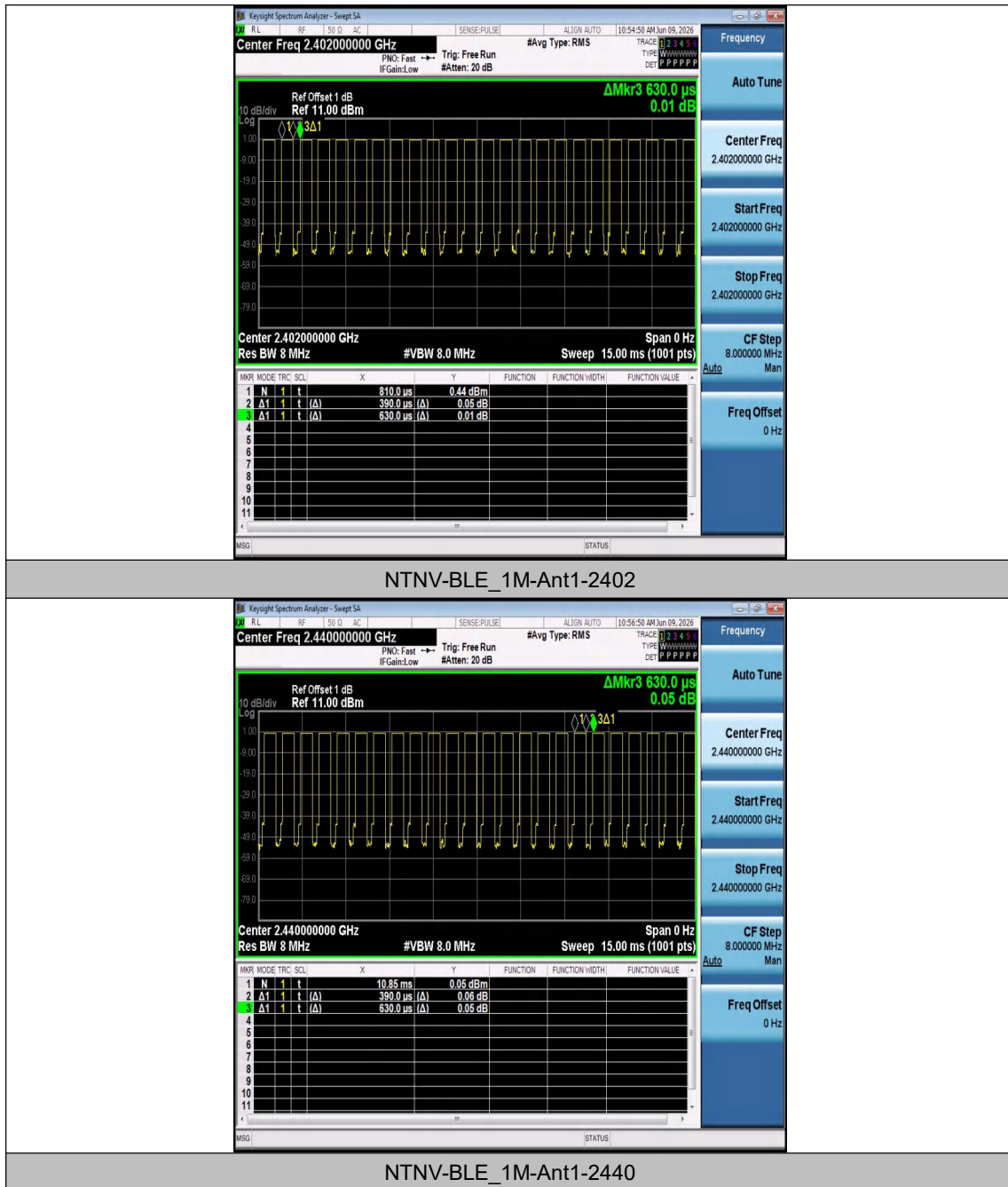
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08
BLE_2M	Ant1	2402	0.21	0.63	33.33	4.77
BLE_2M	Ant1	2440	0.21	0.63	33.33	4.77
BLE_2M	Ant1	2480	0.21	0.63	33.33	4.77

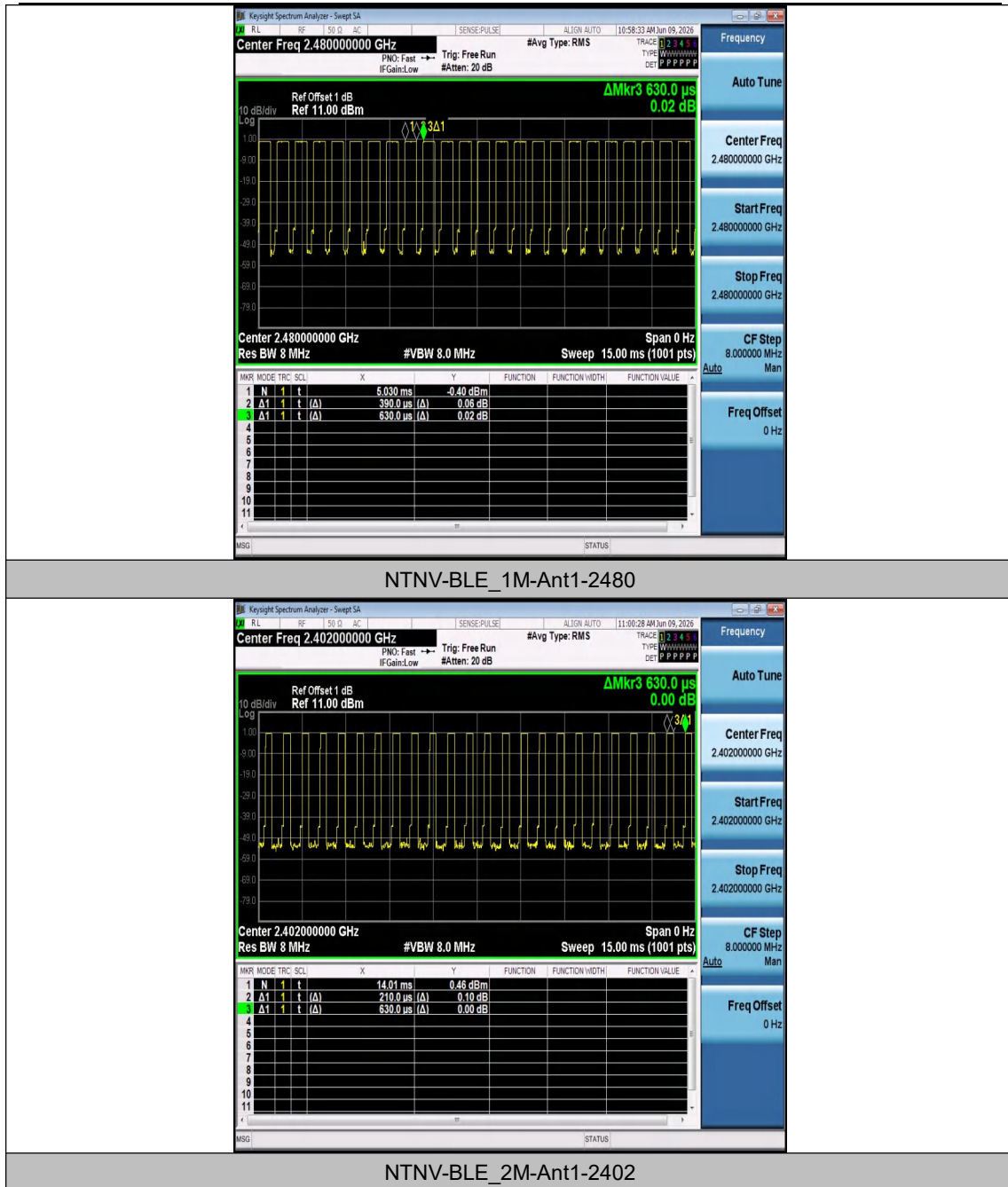
Test Graphs



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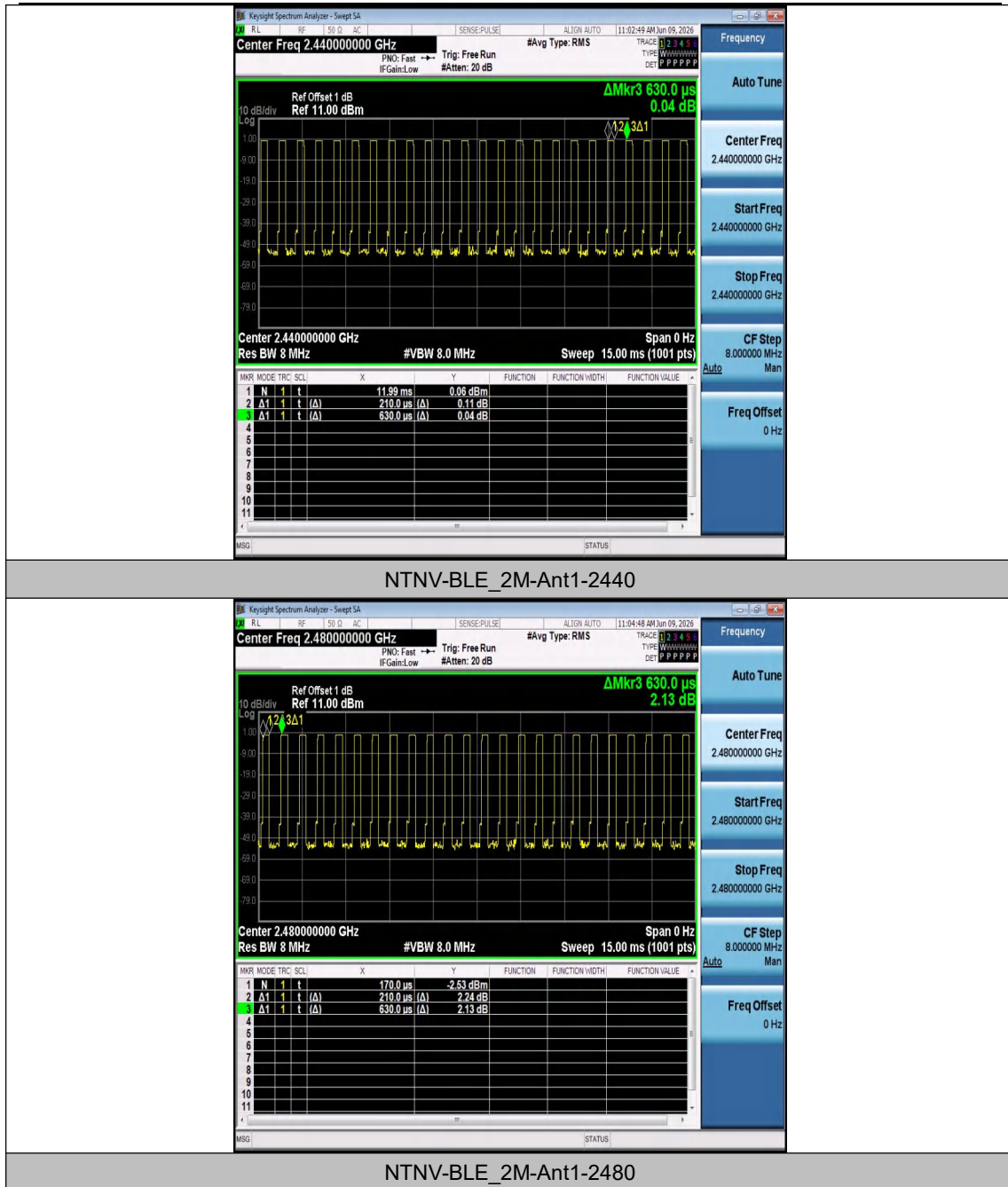
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