

Appendix Test Data

Report No.:	1819C60062112501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-5-29	Finish Test Date:	2026-6-1
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	25°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	0.716	2401.640	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.716	2439.640	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.652	2479.676	2480.328	0.5	PASS
BLE_2M	Ant1	2402	1.144	2401.424	2402.568	0.5	PASS
BLE_2M	Ant1	2440	1.116	2439.456	2440.572	0.5	PASS
BLE_2M	Ant1	2480	1.136	2479.428	2480.564	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	1.0554	2401.4745	2402.5299	---	---
BLE_1M	Ant1	2440	1.0430	2439.4850	2440.5280	---	---
BLE_1M	Ant1	2480	1.0377	2479.4859	2480.5236	---	---
BLE_2M	Ant1	2402	1.9379	2401.0430	2402.9809	---	---
BLE_2M	Ant1	2440	1.9407	2439.0379	2440.9786	---	---
BLE_2M	Ant1	2480	1.9368	2479.0393	2480.9761	---	---

Test Graphs



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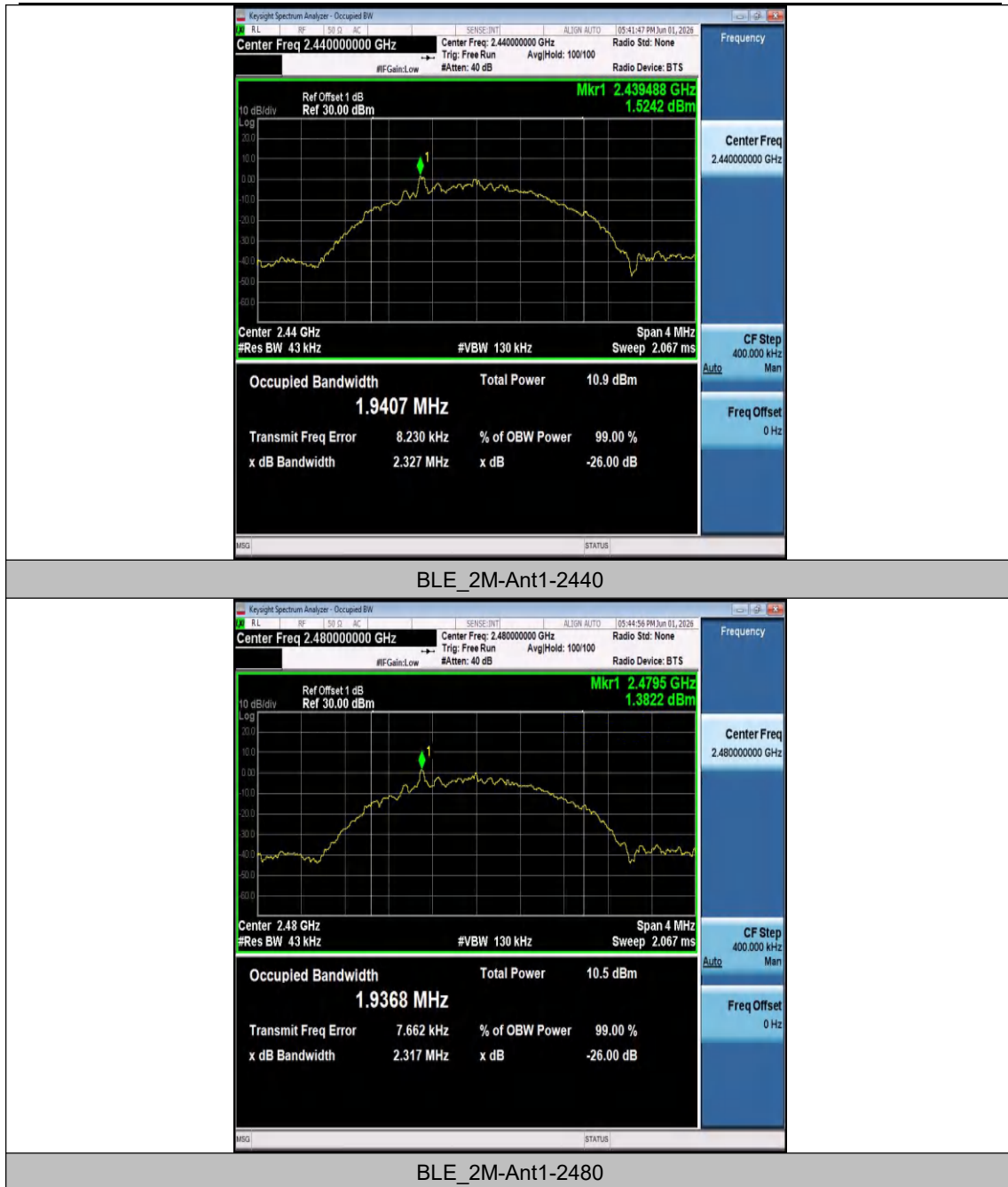
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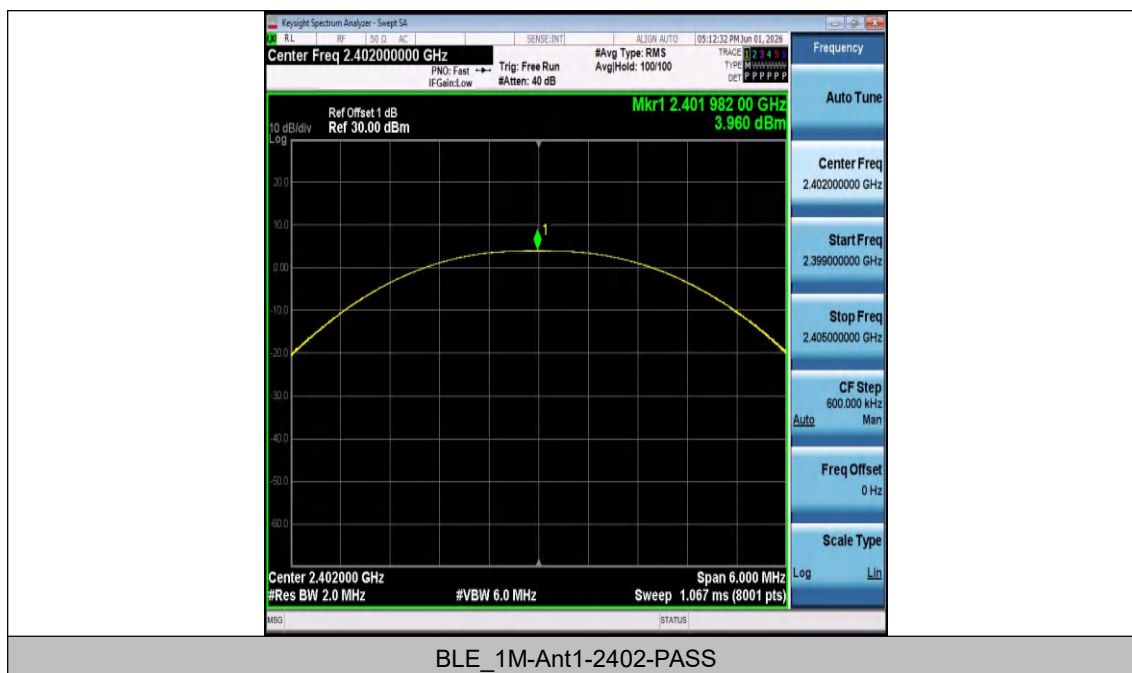
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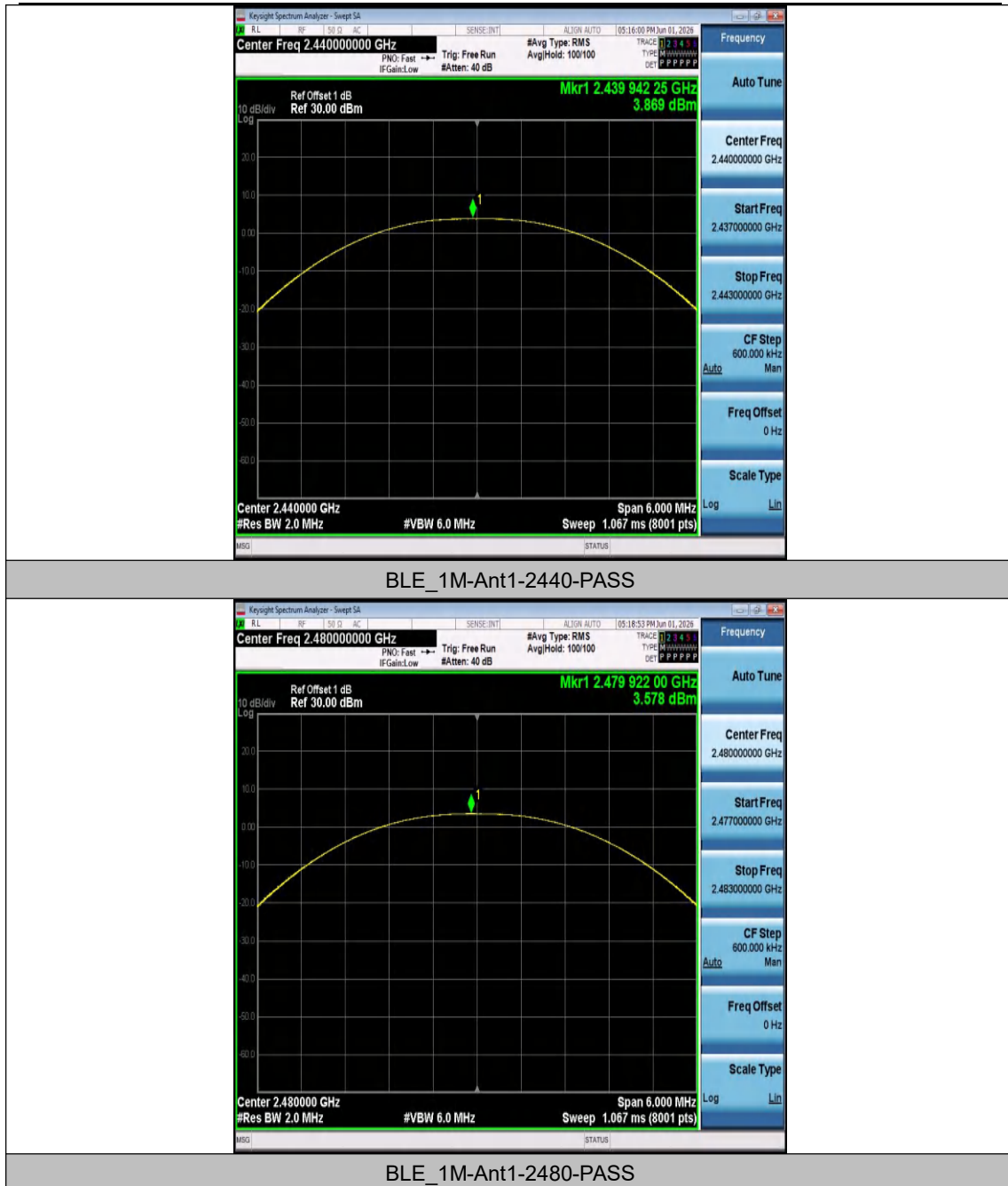
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.96	≤30	PASS
BLE_1M	Ant1	2440	3.87	≤30	PASS
BLE_1M	Ant1	2480	3.58	≤30	PASS
BLE_2M	Ant1	2402	4.78	≤30	PASS
BLE_2M	Ant1	2440	4.66	≤30	PASS
BLE_2M	Ant1	2480	4.38	≤30	PASS

Test Graphs Peak

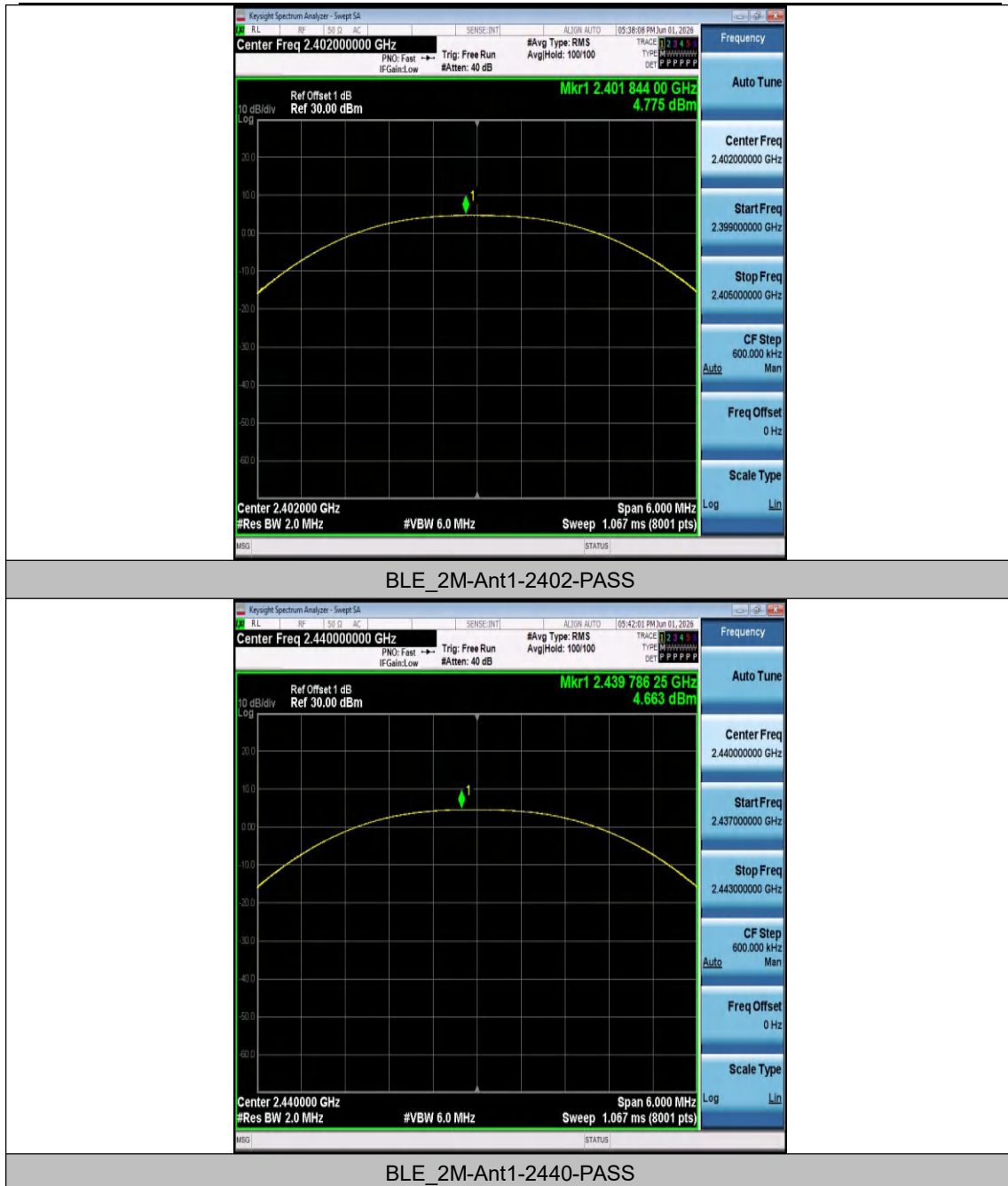




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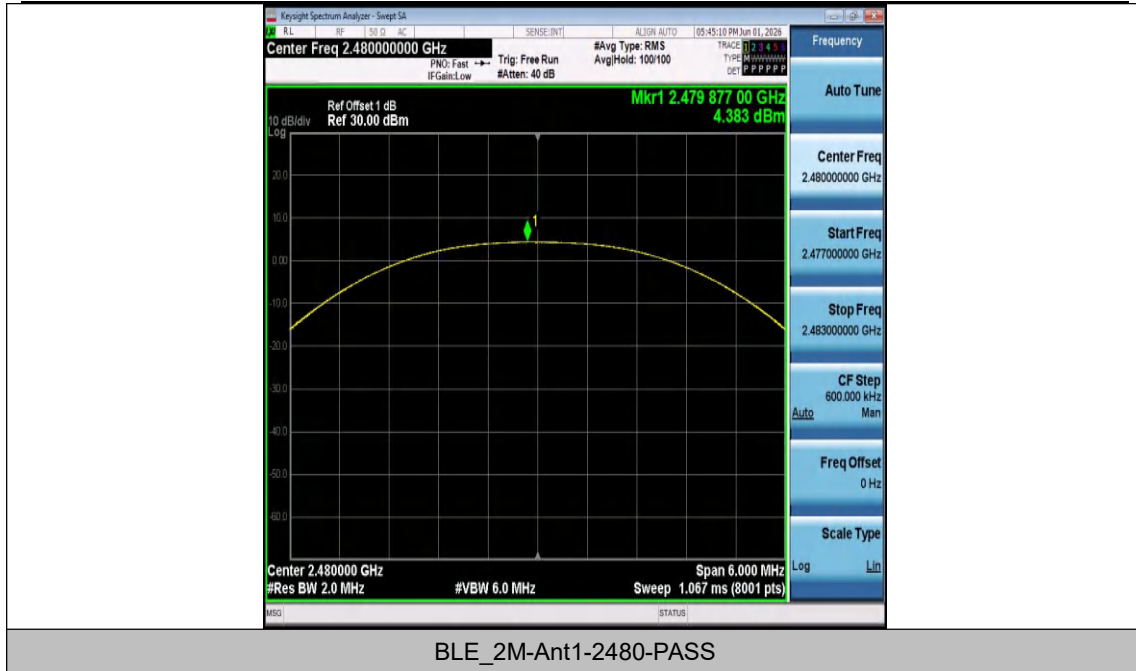
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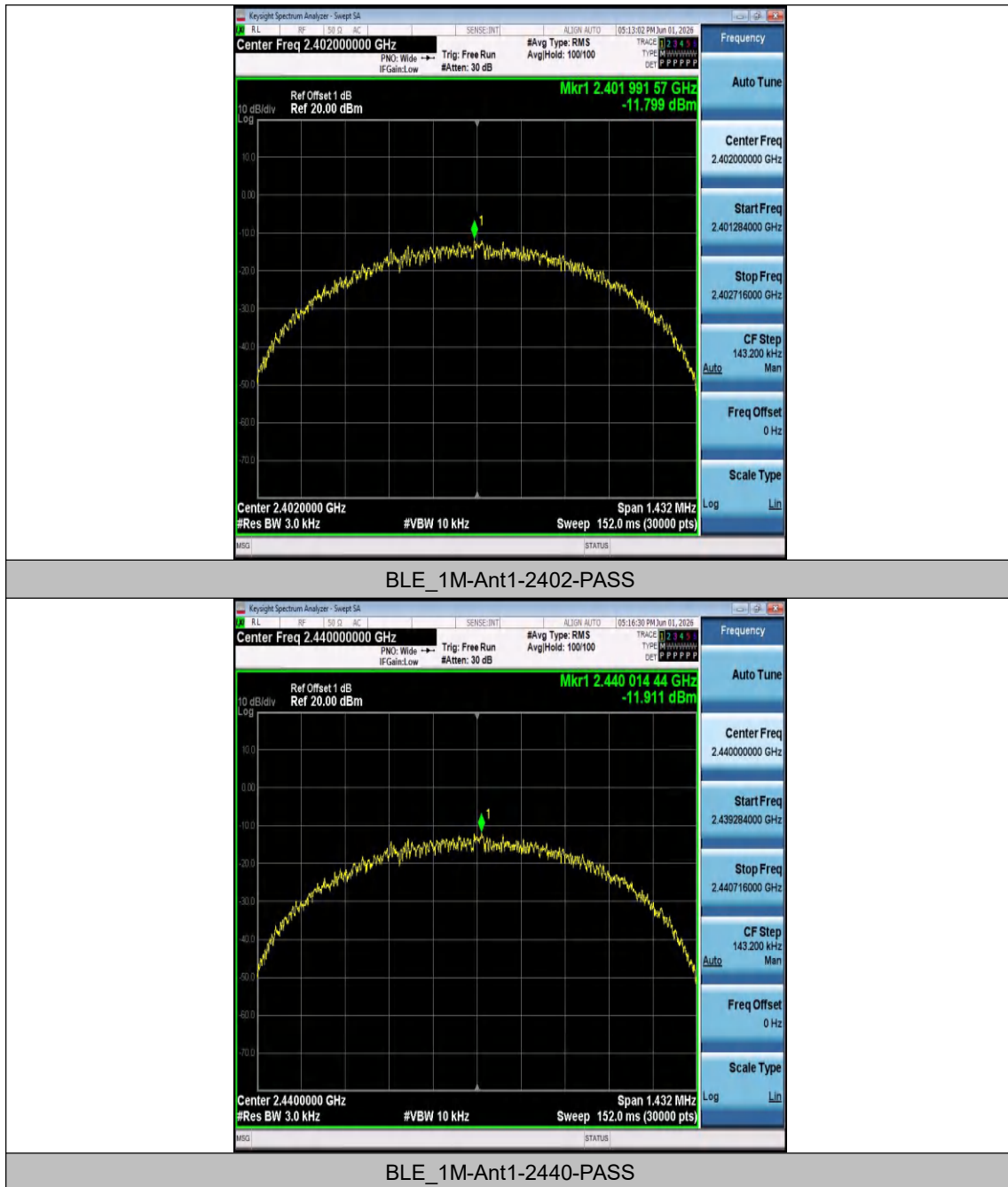
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.80	≤8.00	PASS
BLE_1M	Ant1	2440	-11.91	≤8.00	PASS
BLE_1M	Ant1	2480	-12.09	≤8.00	PASS
BLE_2M	Ant1	2402	-13.62	≤8.00	PASS
BLE_2M	Ant1	2440	-13.70	≤8.00	PASS
BLE_2M	Ant1	2480	-14.02	≤8.00	PASS

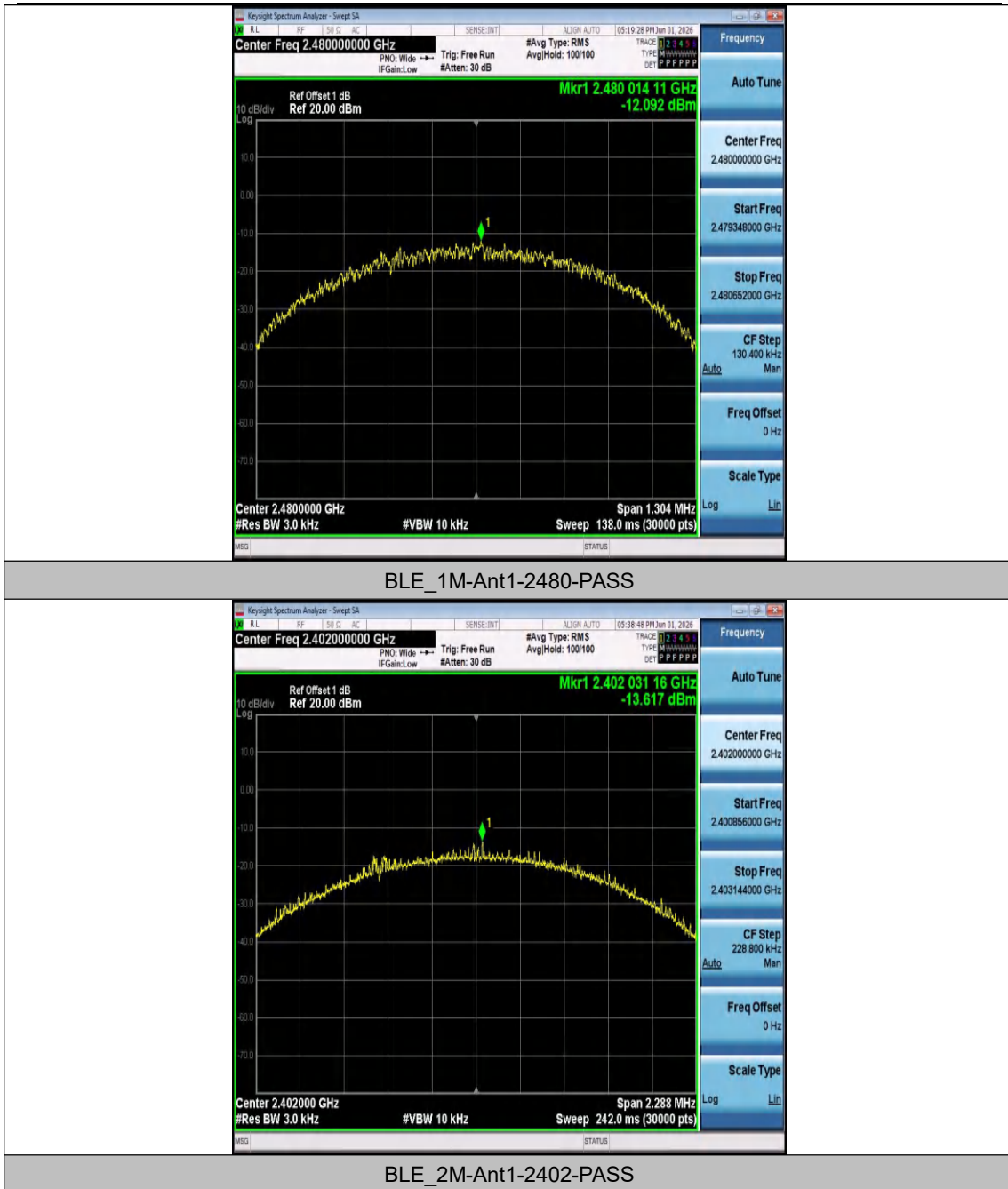
Test Graphs



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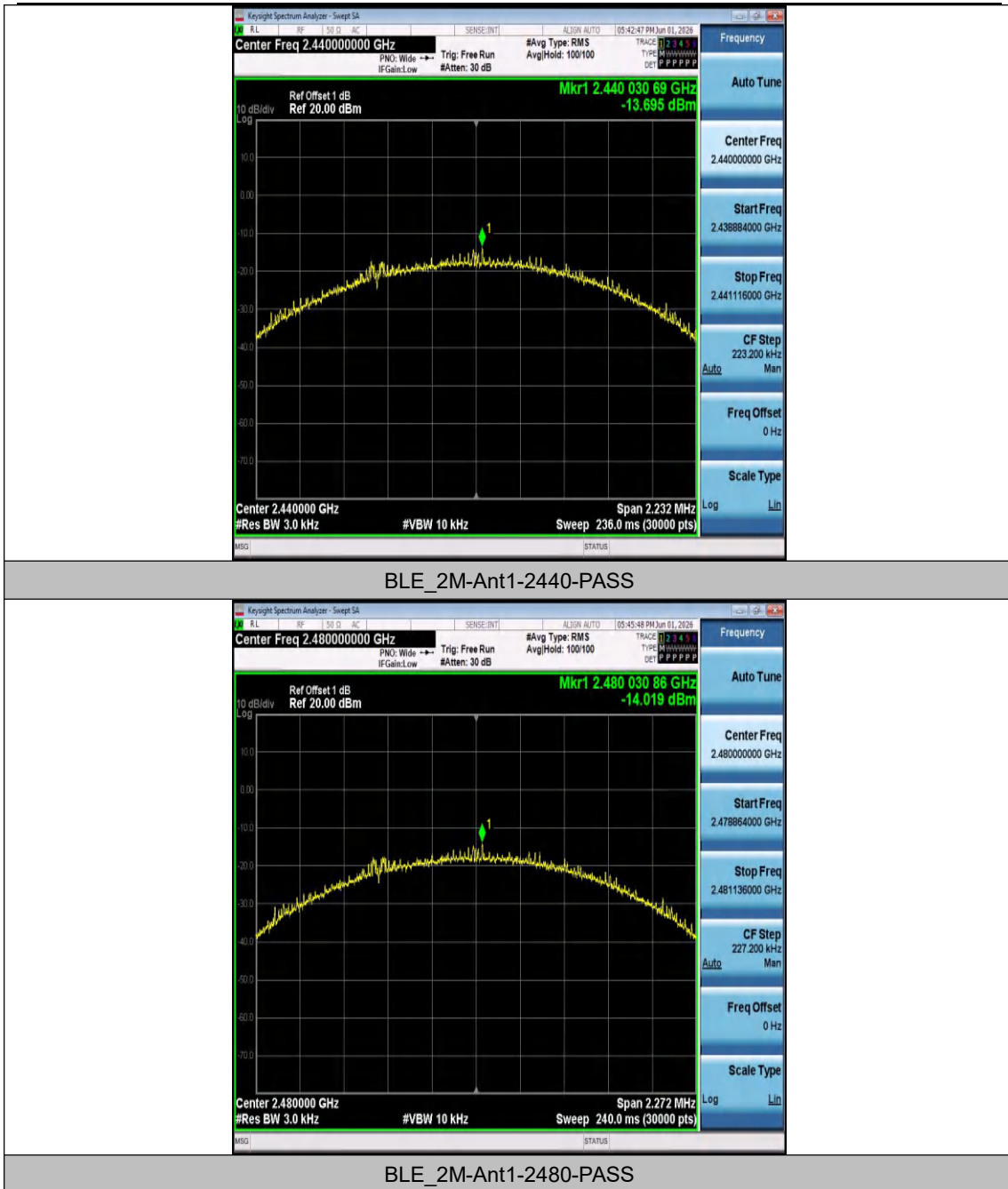
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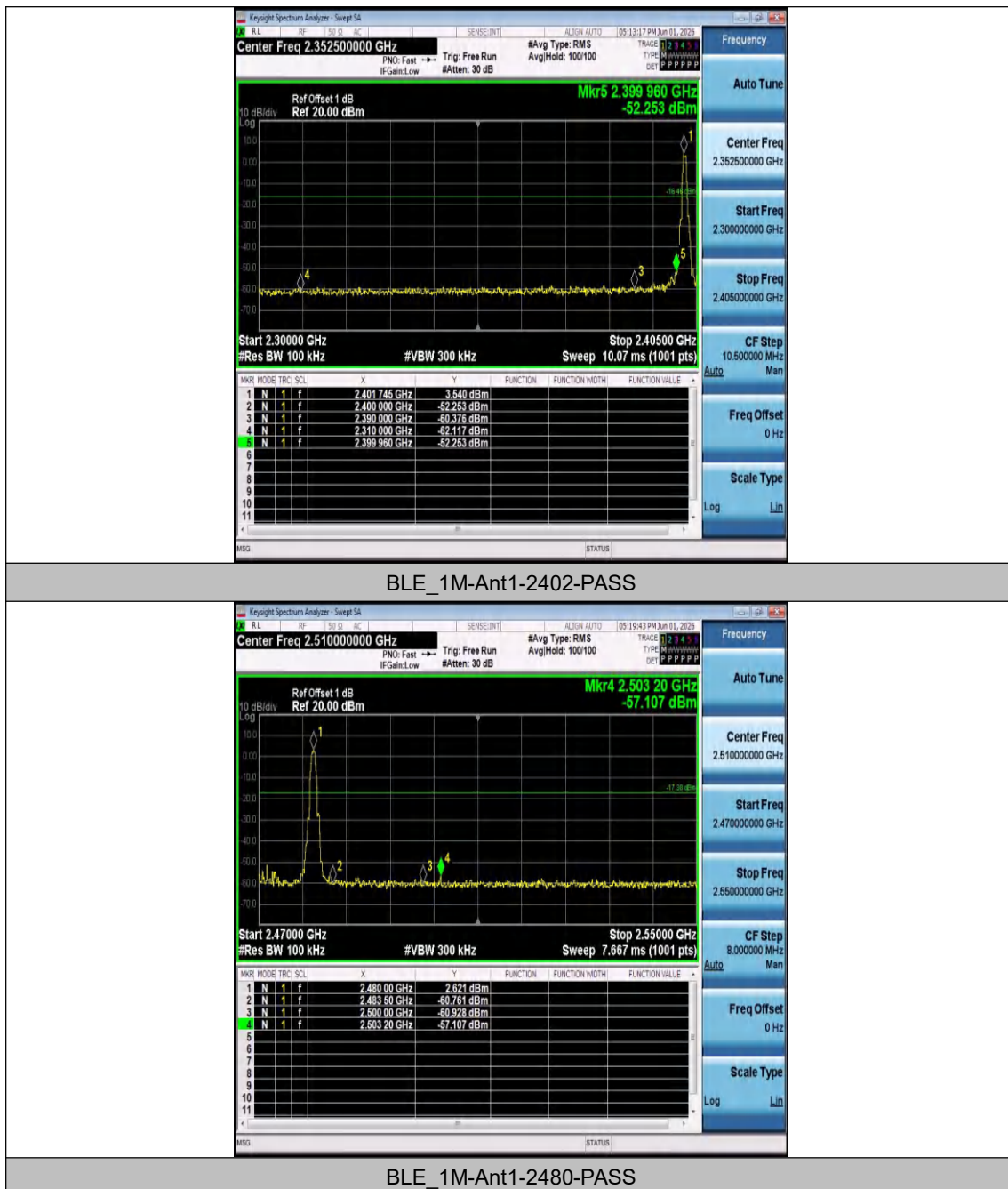
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.54	-52.25	≤-16.46	PASS
BLE_1M	Ant1	High	2480	2.62	-57.11	≤-17.38	PASS
BLE_2M	Ant1	Low	2402	3.59	-38.49	≤-16.41	PASS
BLE_2M	Ant1	High	2480	3.00	-52.52	≤-17.01	PASS

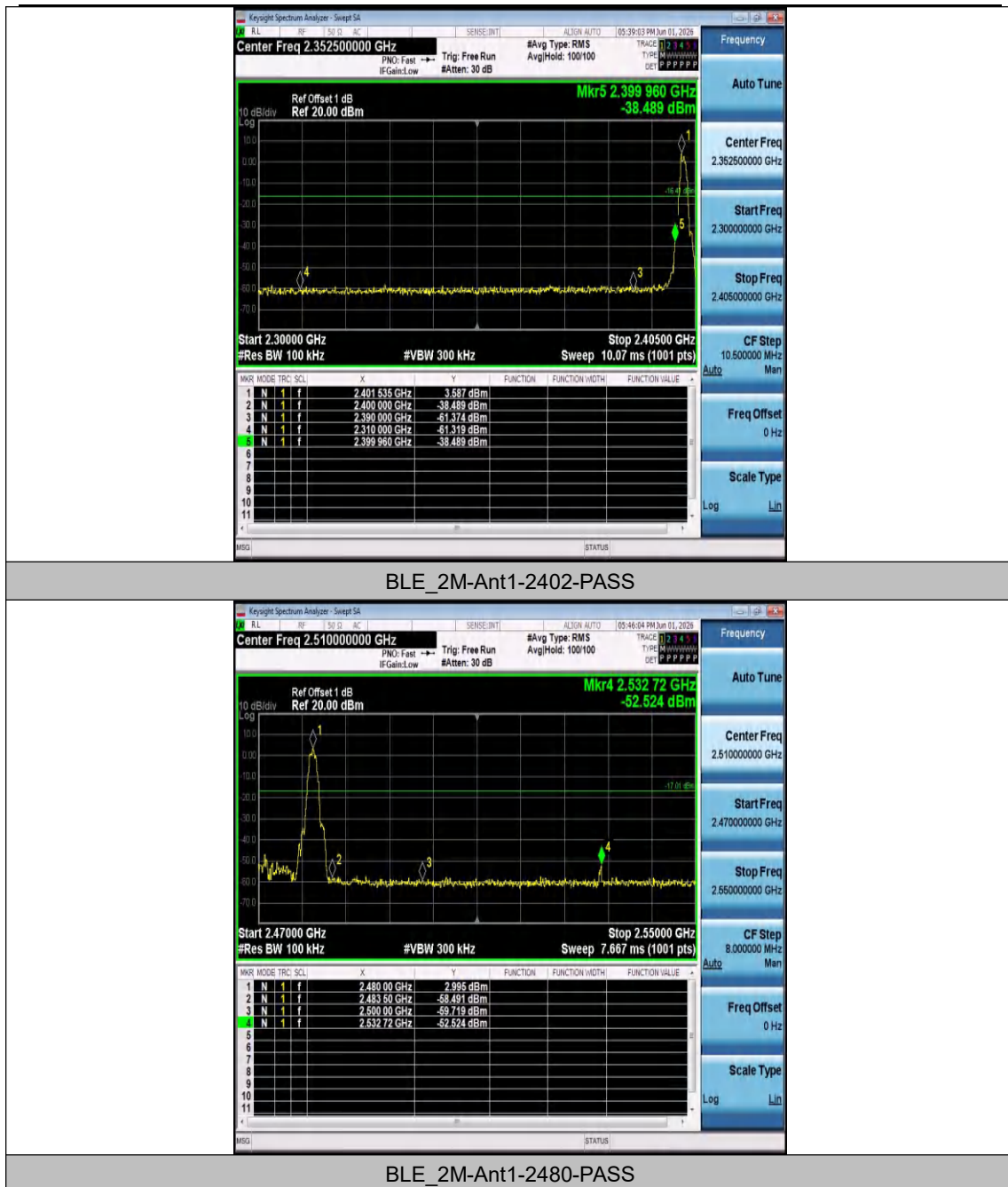
Test Graphs



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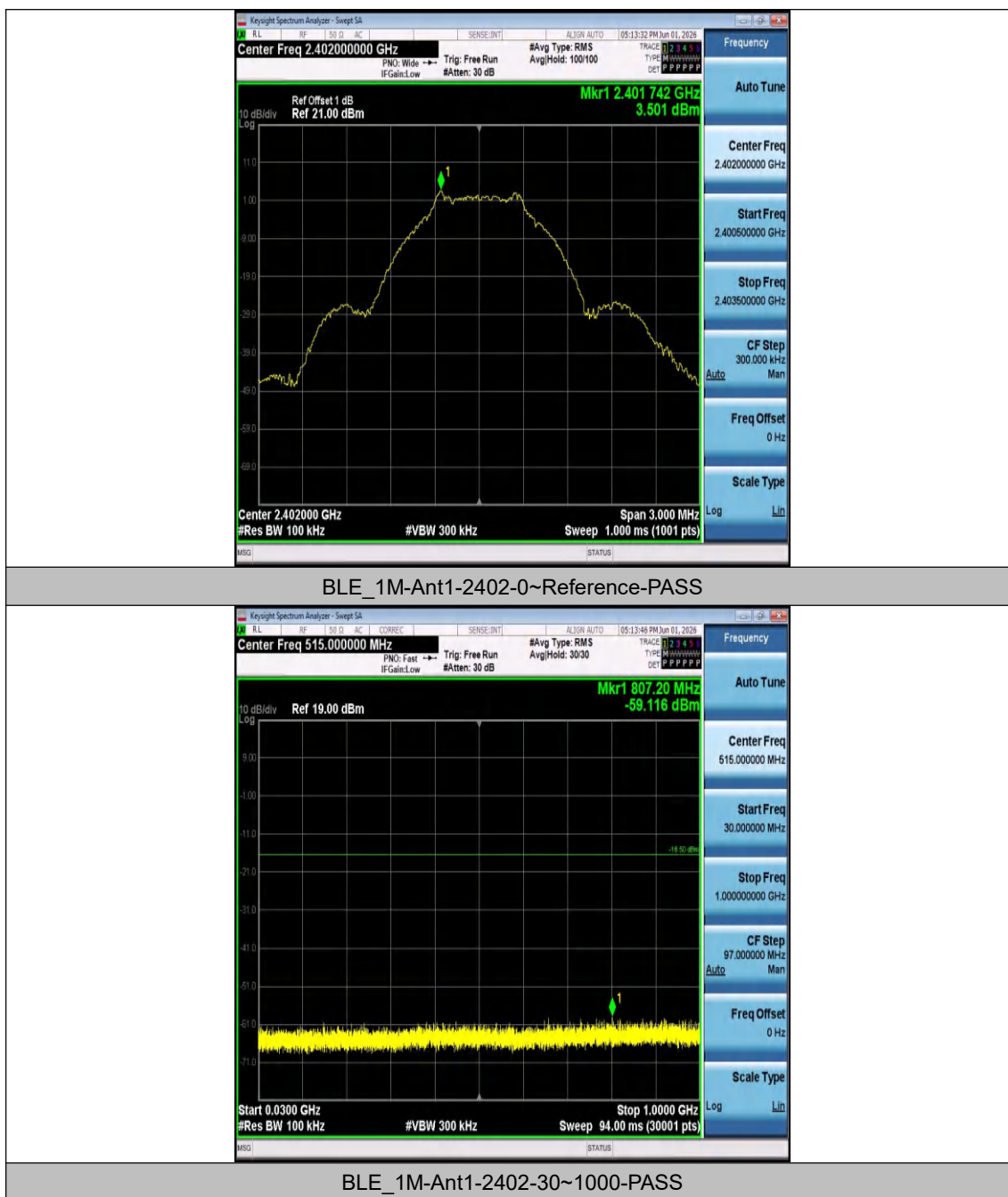
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.50	3.50	---	PASS
BLE_1M	Ant1	2402	30~1000	3.50	-59.12	≤-16.5	PASS
BLE_1M	Ant1	2402	1000~26500	3.50	-36.93	≤-16.5	PASS
BLE_1M	Ant1	2440	0~Reference	2.86	2.86	---	PASS
BLE_1M	Ant1	2440	30~1000	2.86	-58.8	≤-17.14	PASS
BLE_1M	Ant1	2440	1000~26500	2.86	-39.59	≤-17.14	PASS
BLE_1M	Ant1	2480	0~Reference	2.84	2.84	---	PASS
BLE_1M	Ant1	2480	30~1000	2.84	-59.15	≤-17.16	PASS
BLE_1M	Ant1	2480	1000~26500	2.84	-39.8	≤-17.16	PASS
BLE_2M	Ant1	2402	0~Reference	3.74	3.74	---	PASS
BLE_2M	Ant1	2402	30~1000	3.74	-59.29	≤-16.26	PASS
BLE_2M	Ant1	2402	1000~26500	3.74	-38.56	≤-16.26	PASS
BLE_2M	Ant1	2440	0~Reference	3.63	3.63	---	PASS
BLE_2M	Ant1	2440	30~1000	3.63	-59.16	≤-16.37	PASS
BLE_2M	Ant1	2440	1000~26500	3.63	-38.38	≤-16.37	PASS
BLE_2M	Ant1	2480	0~Reference	3.43	3.43	---	PASS
BLE_2M	Ant1	2480	30~1000	3.43	-58.72	≤-16.57	PASS
BLE_2M	Ant1	2480	1000~26500	3.43	-40.17	≤-16.57	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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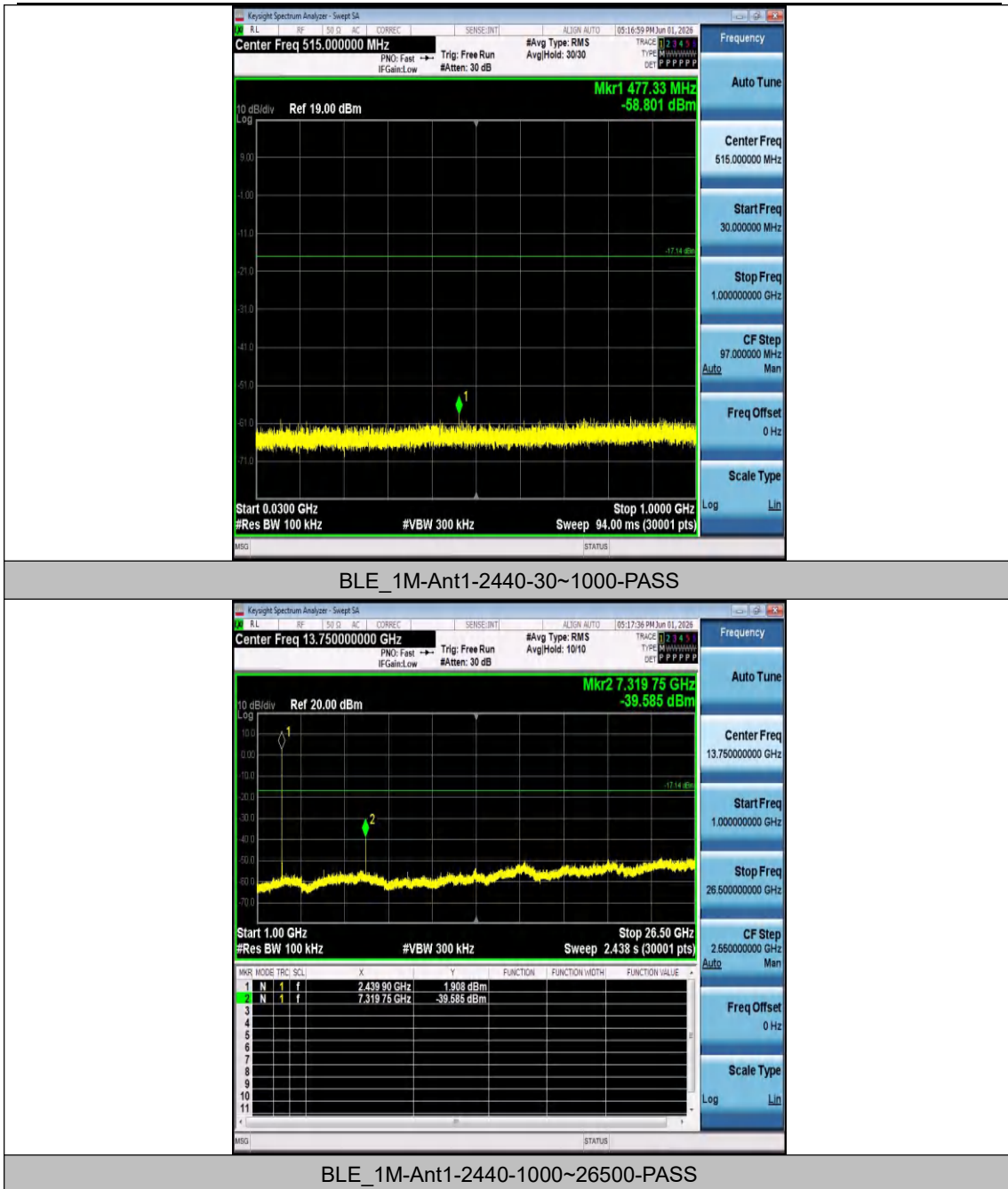
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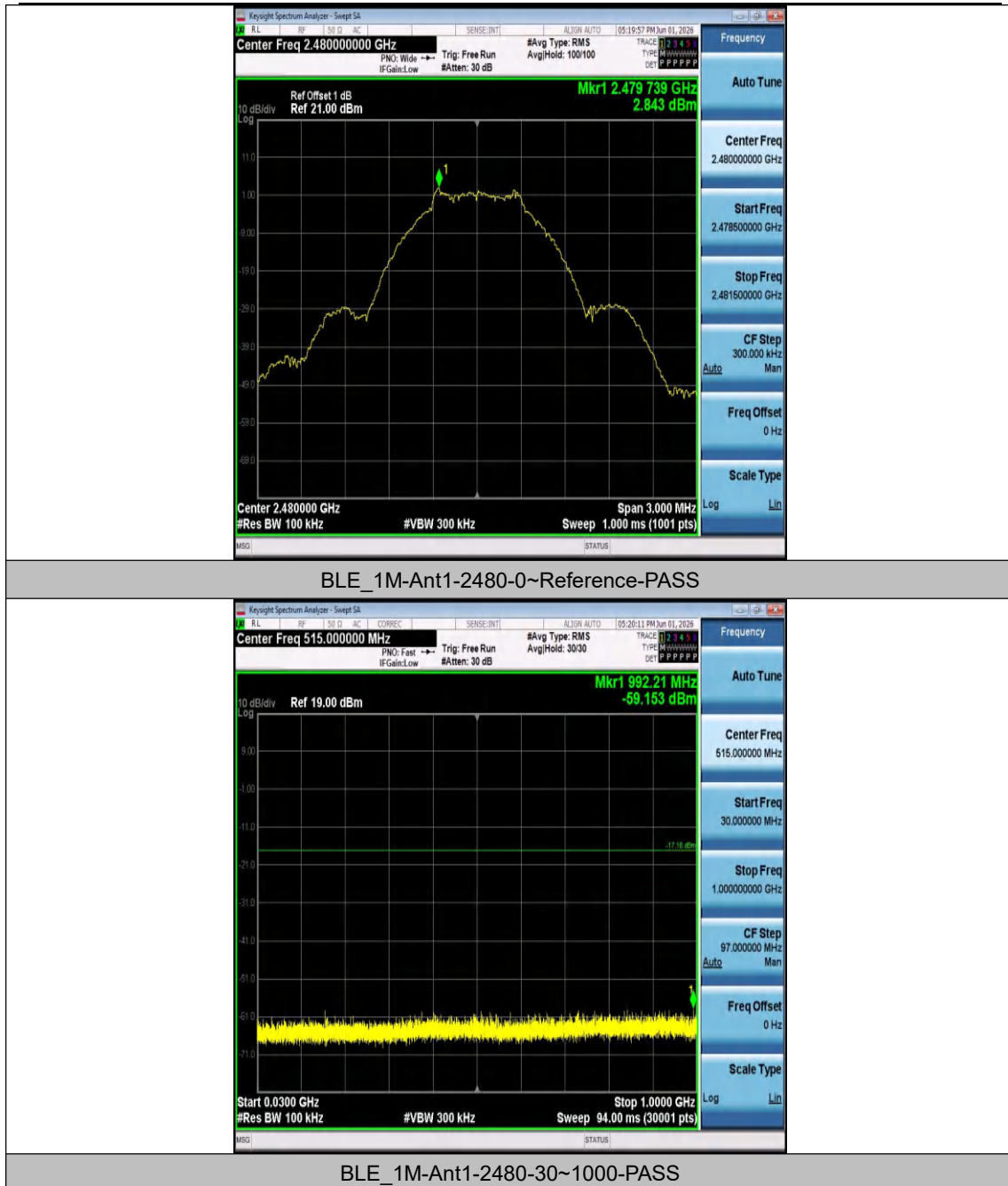
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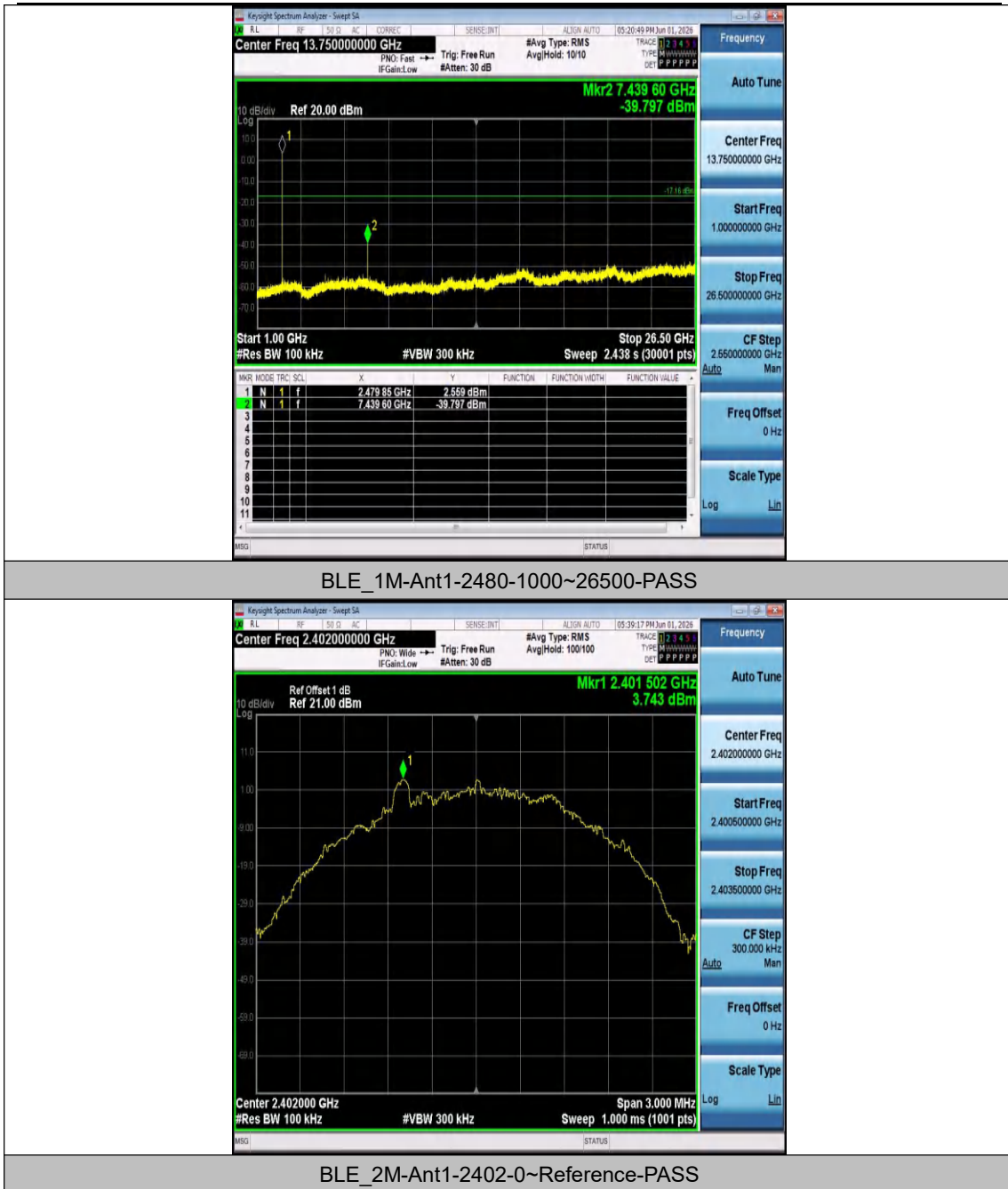
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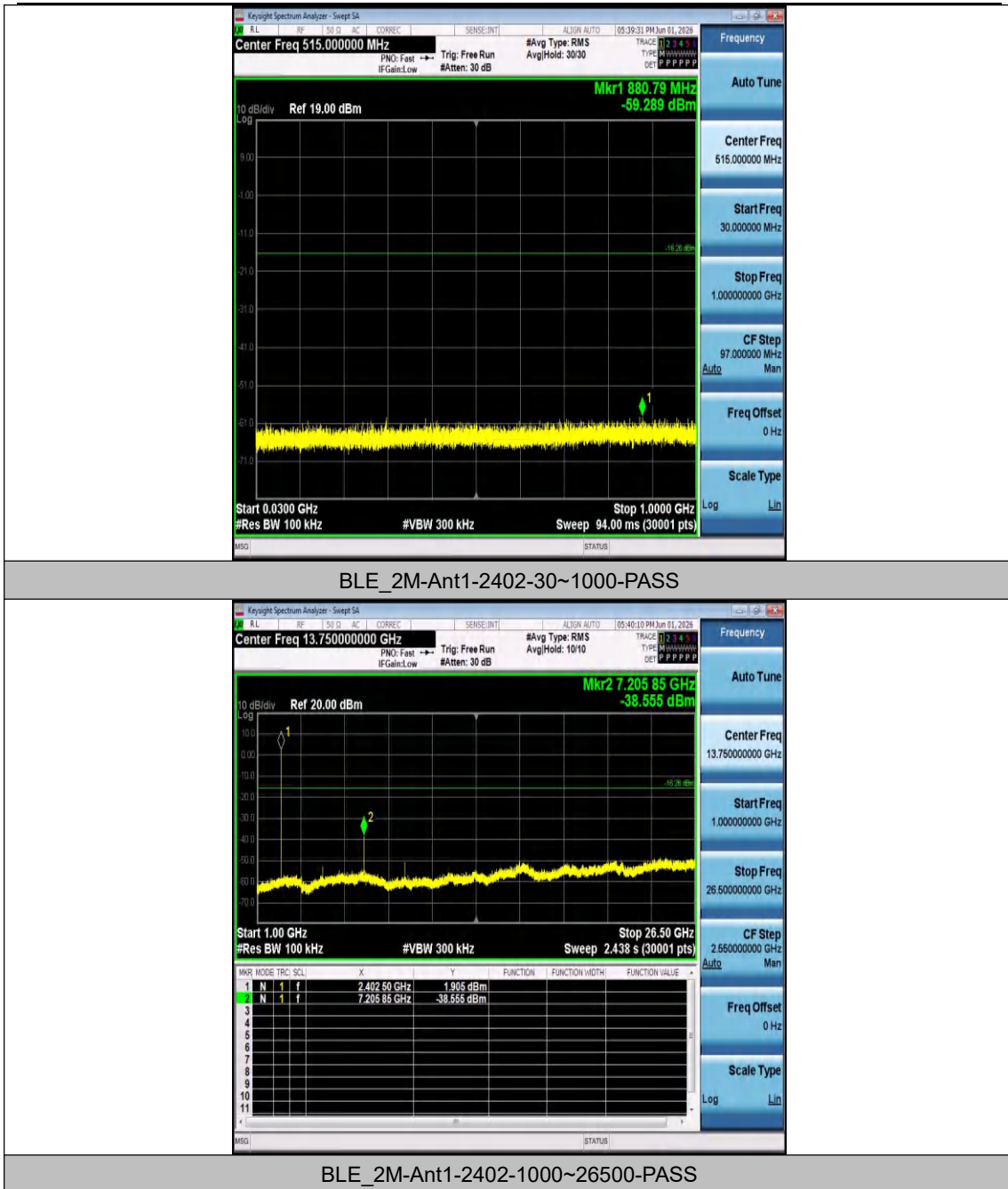
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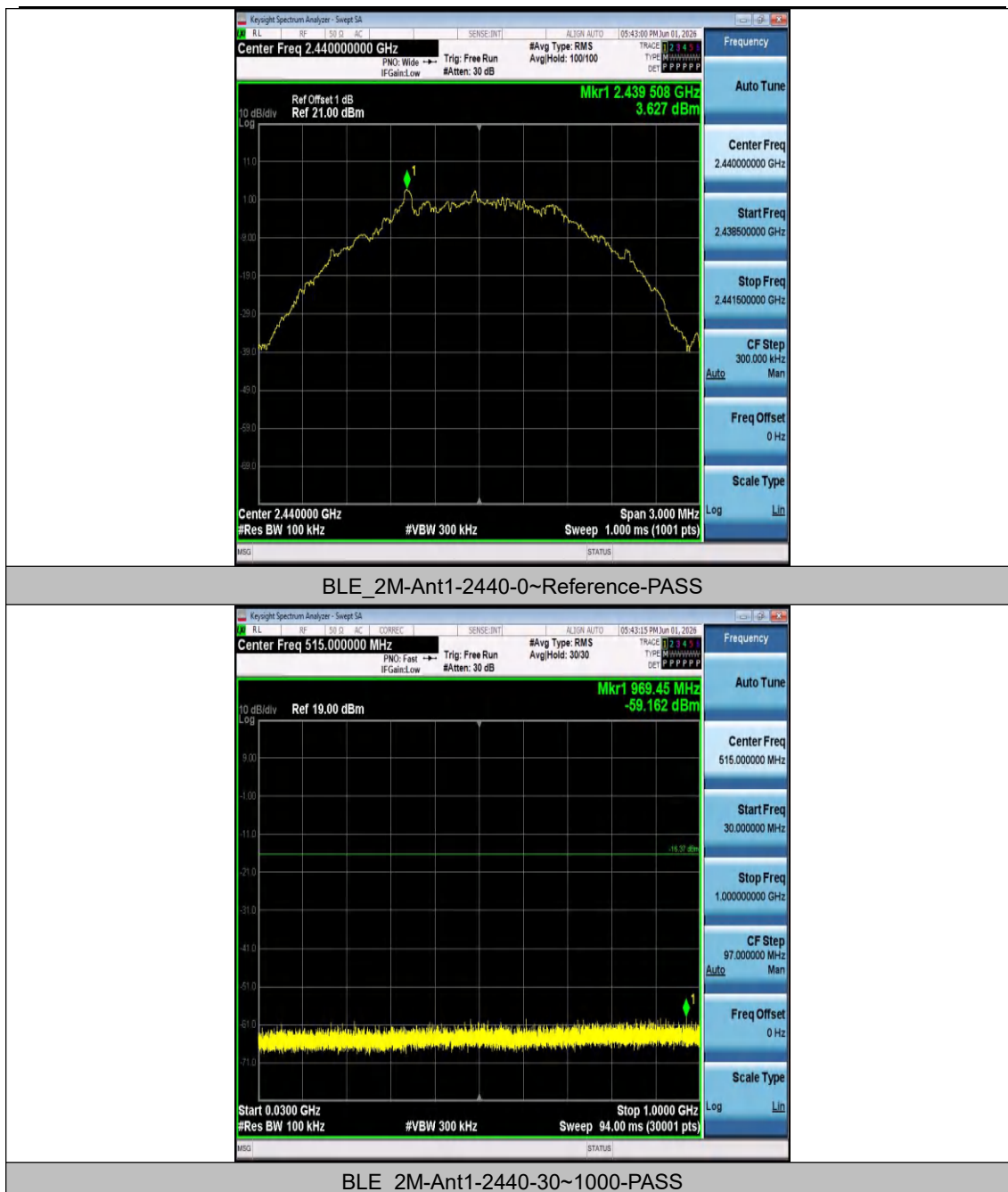
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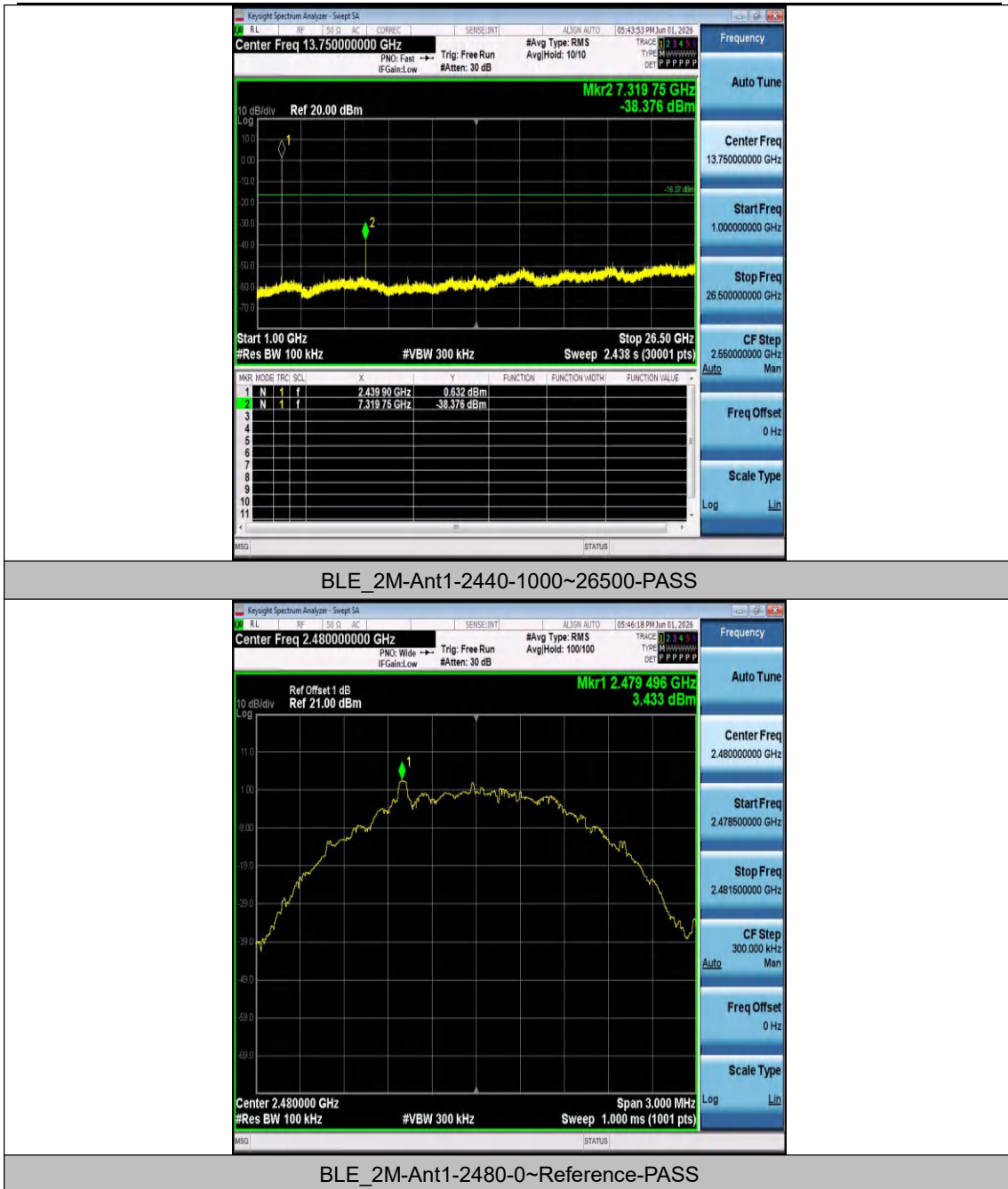
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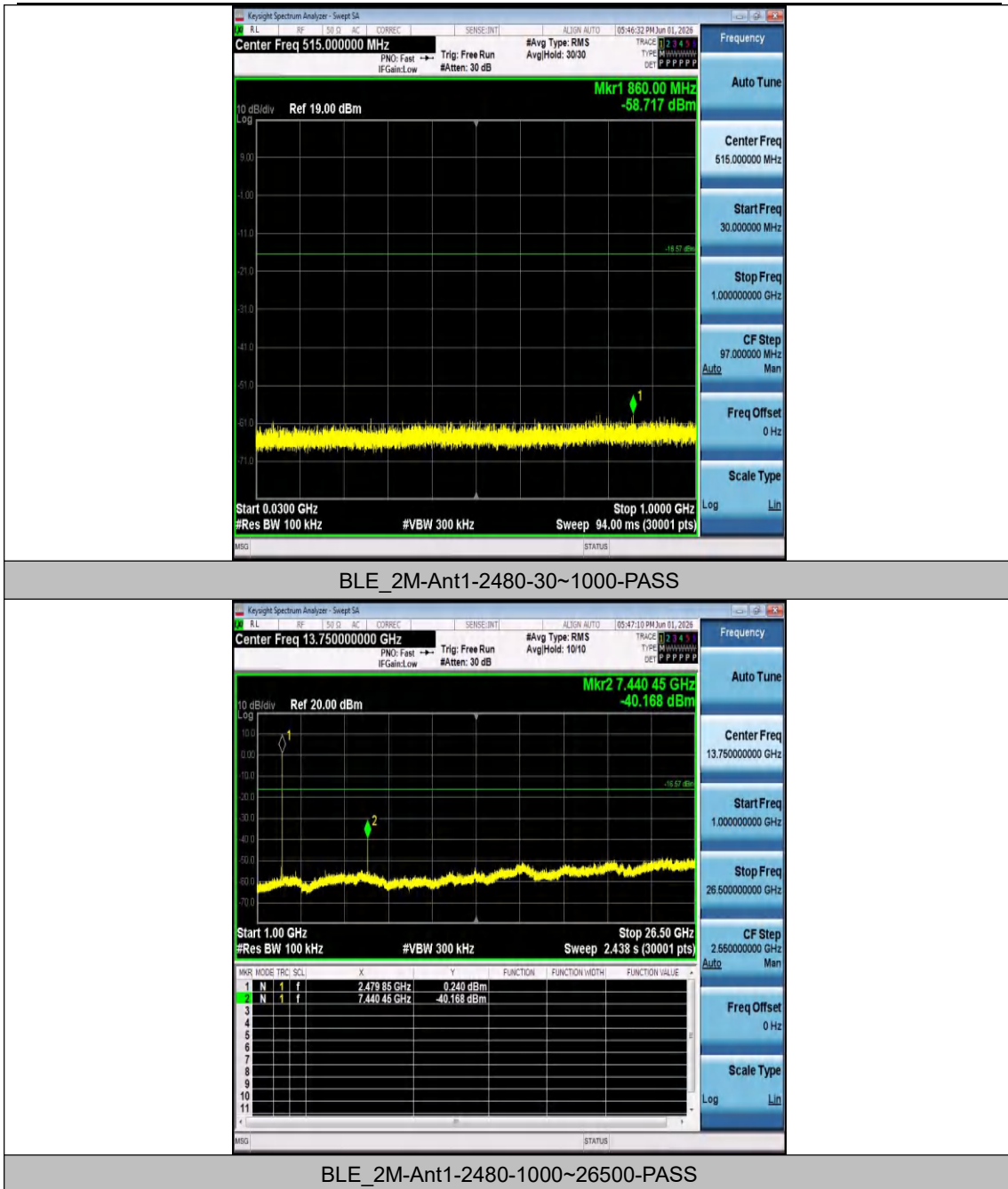
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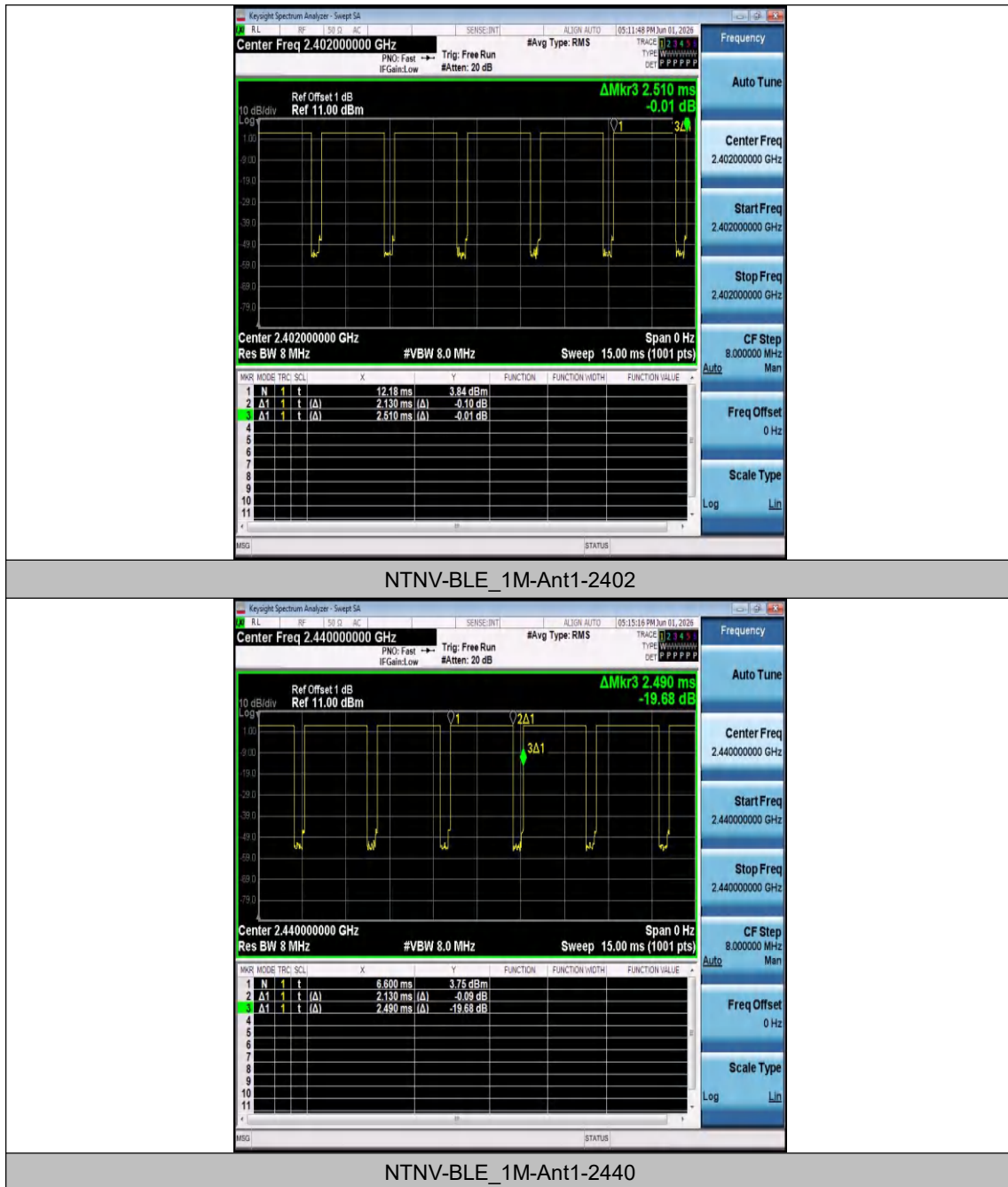
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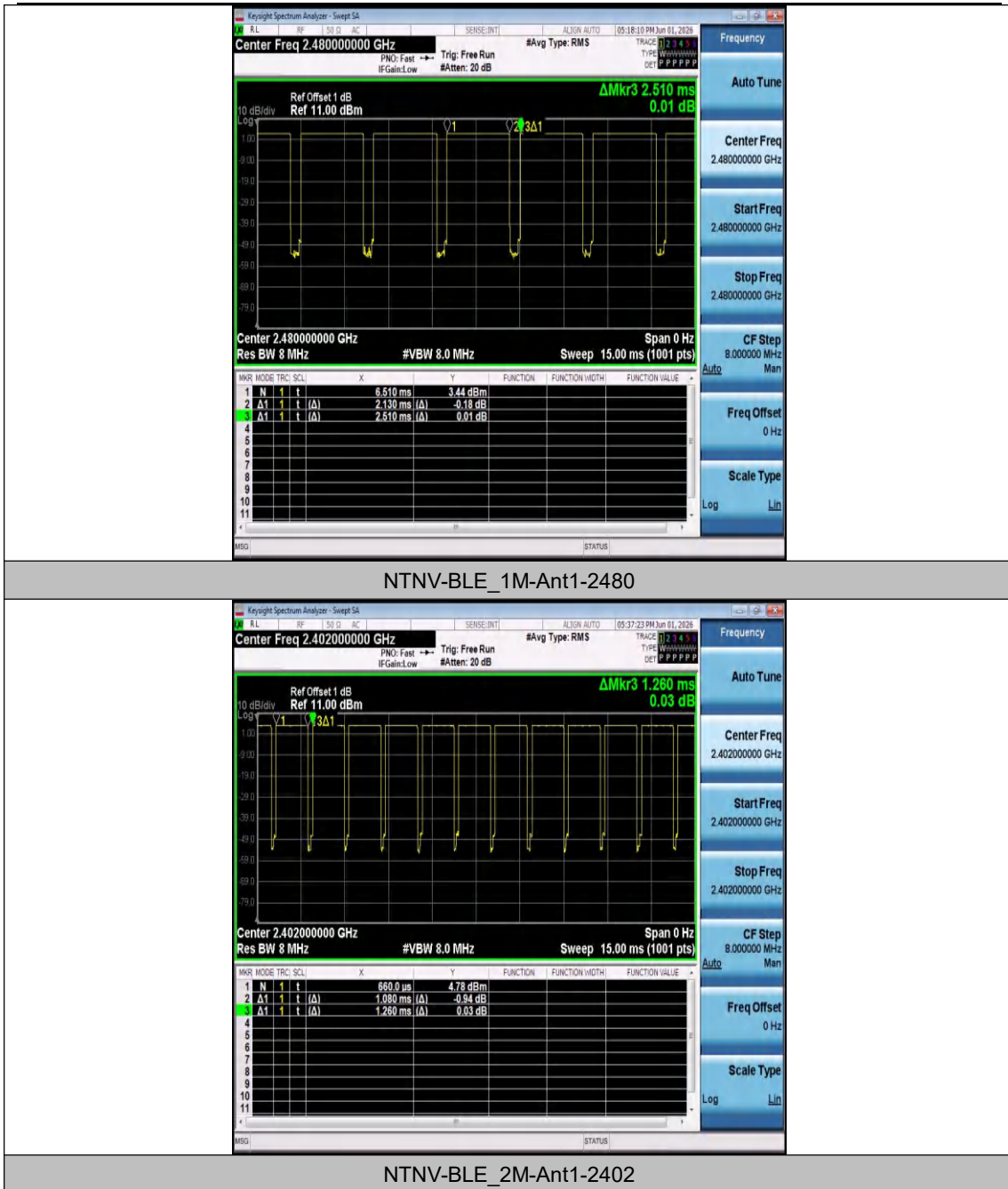
Appendix G: Duty Cycle

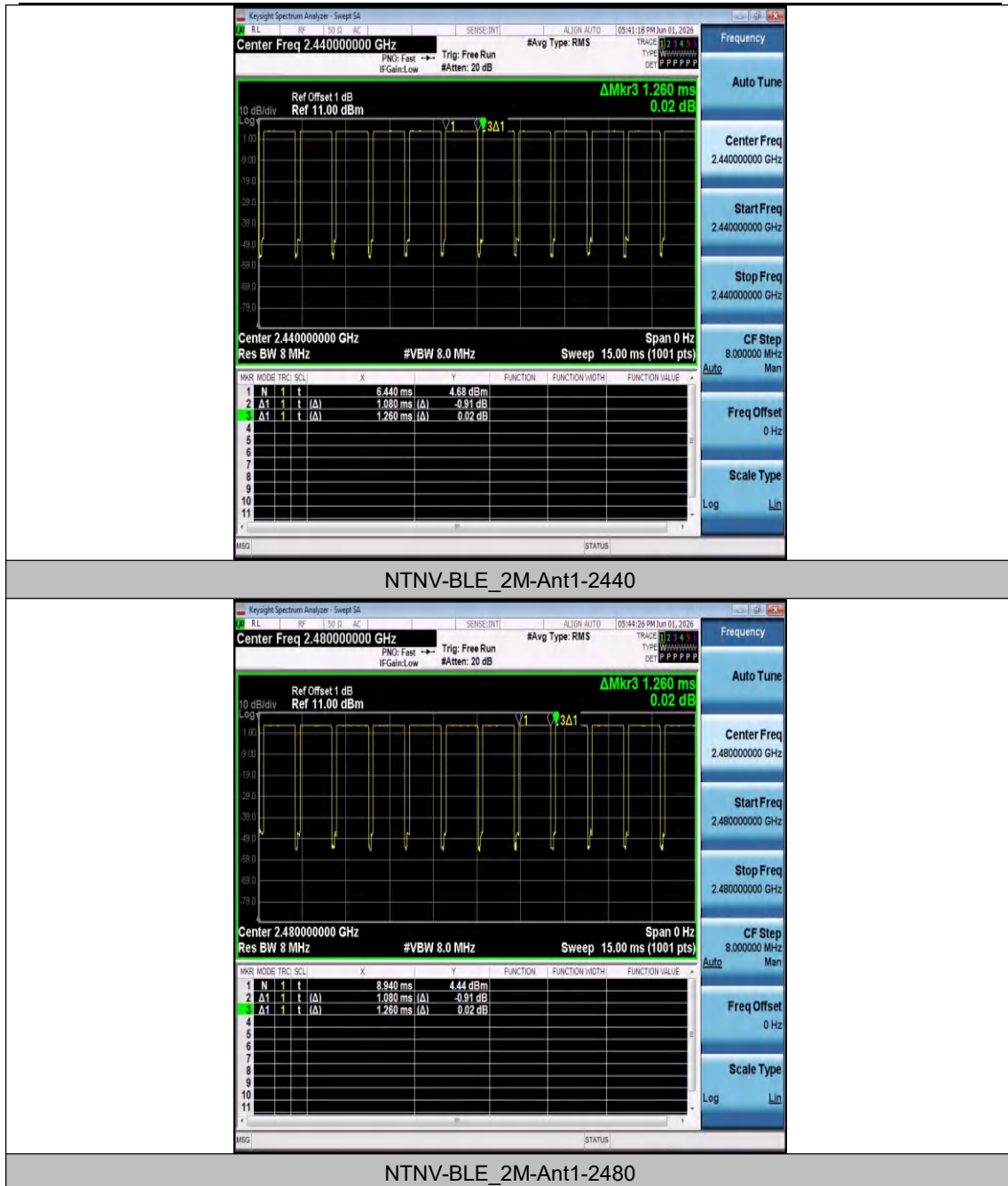
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.49	85.54	0.68
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71
BLE_2M	Ant1	2402	1.08	1.26	85.71	0.67
BLE_2M	Ant1	2440	1.08	1.26	85.71	0.67
BLE_2M	Ant1	2480	1.08	1.26	85.71	0.67

Test Graphs







---End---