

Appendix Test Data

Report No.:	1812C60175712501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-3-31	Finish Test Date:	2026-4-9
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23.8°C	Relative Humidity:	62%
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	2401.704	2402.372	0.5	PASS
BLE_1M	Ant1	2440	0.624	2439.732	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.644	2479.716	2480.360	0.5	PASS
BLE_2M	Ant1	2402	1.260	2401.380	2402.640	0.5	PASS
BLE_2M	Ant1	2440	1.060	2439.508	2440.568	0.5	PASS
BLE_2M	Ant1	2480	1.316	2479.372	2480.688	0.5	PASS

Test Graphs





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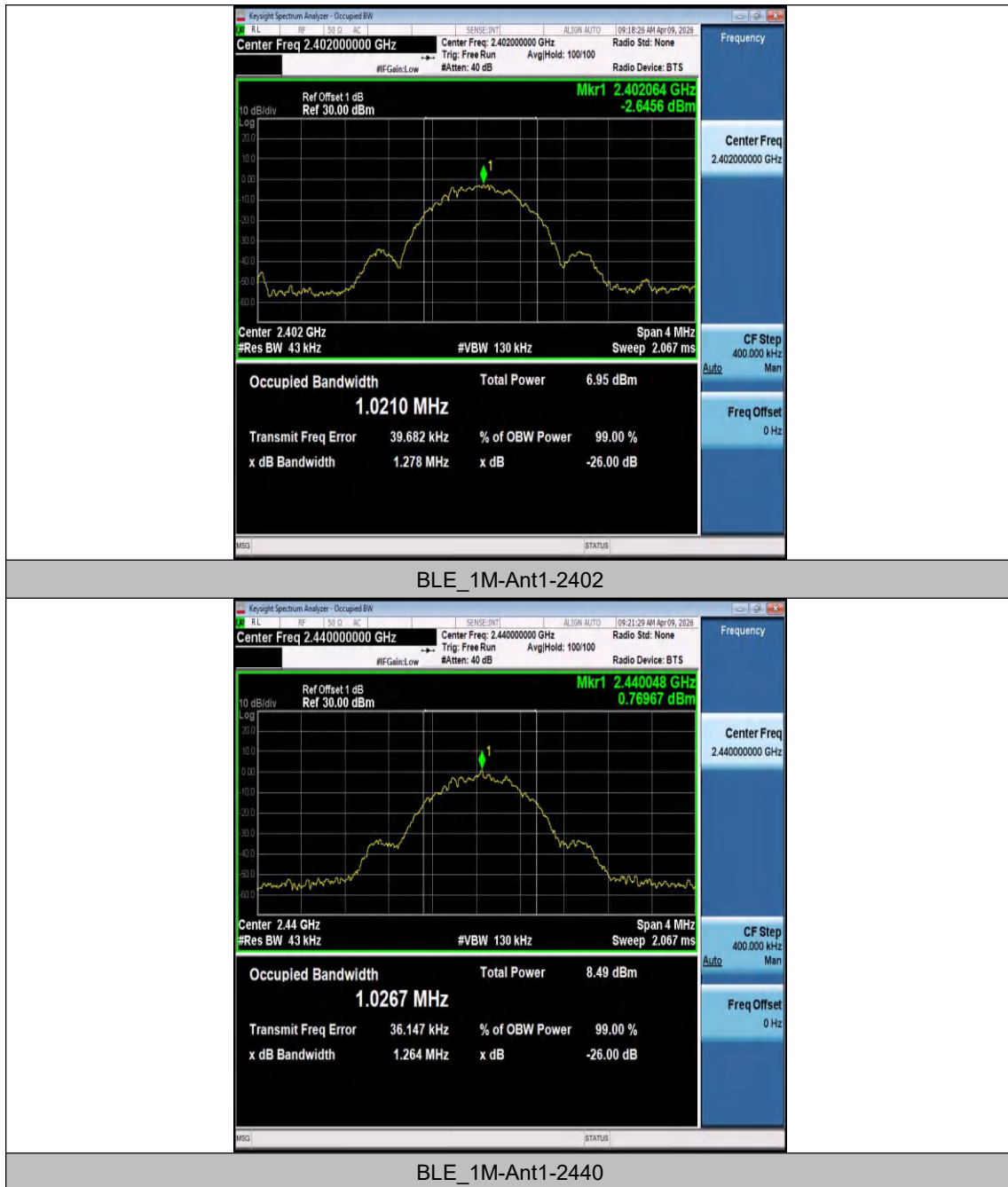
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0210	2401.5292	2402.5502	---	---
BLE_1M	Ant1	2440	1.0267	2439.5228	2440.5495	---	---
BLE_1M	Ant1	2480	1.0221	2479.5243	2480.5464	---	---
BLE_2M	Ant1	2402	2.0314	2401.0390	2403.0704	---	---
BLE_2M	Ant1	2440	2.0385	2439.0383	2441.0768	---	---
BLE_2M	Ant1	2480	2.0100	2479.0371	2481.0471	---	---

Test Graphs



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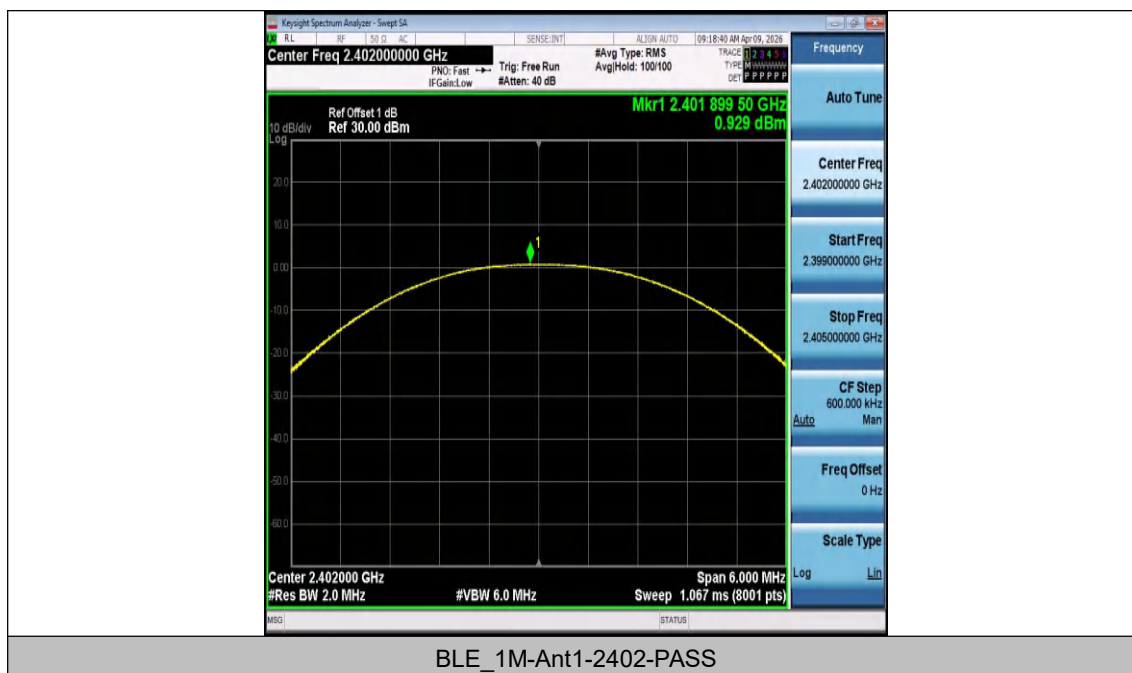
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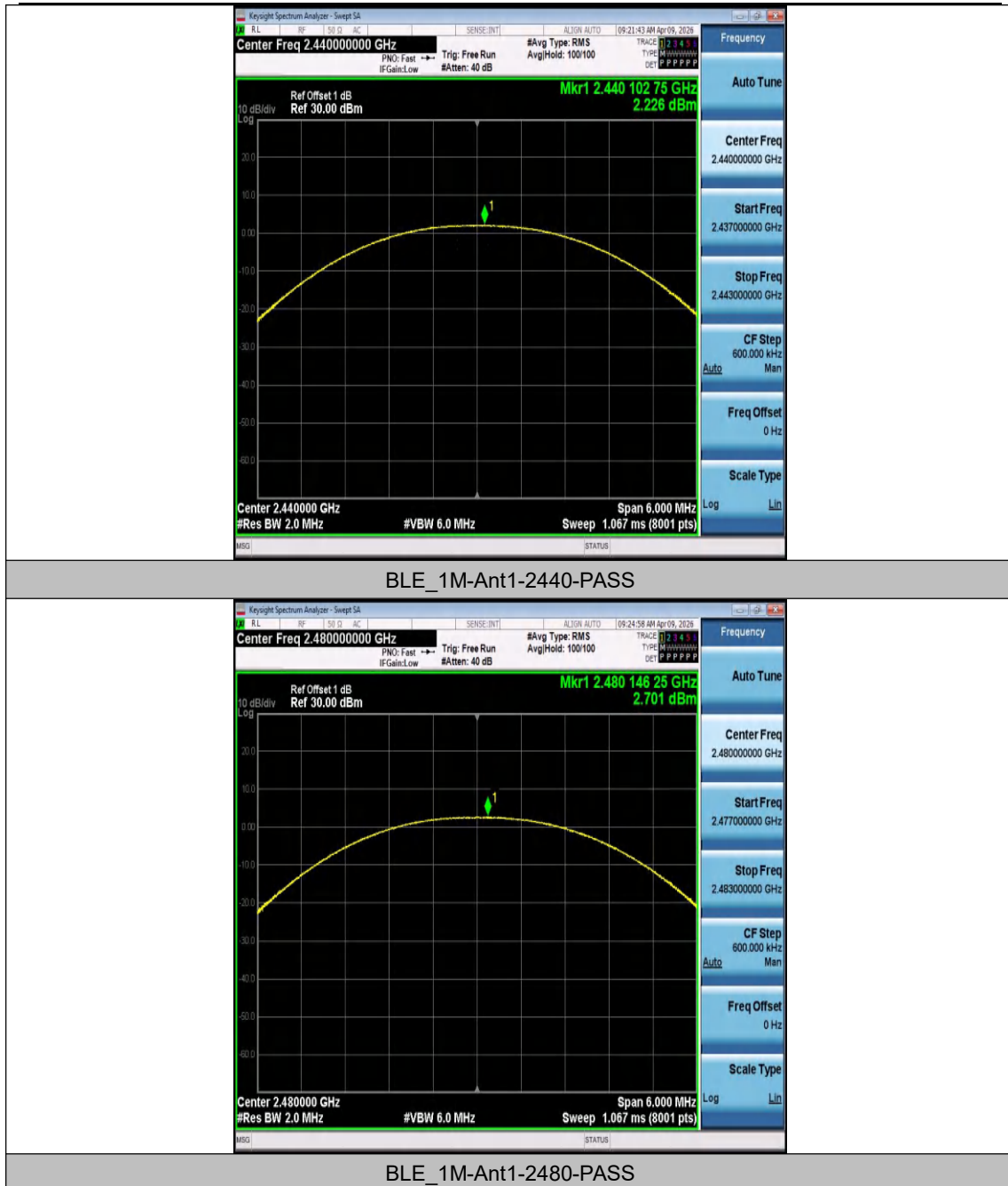
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.93	≤30	PASS
BLE_1M	Ant1	2440	2.23	≤30	PASS
BLE_1M	Ant1	2480	2.70	≤30	PASS
BLE_2M	Ant1	2402	0.82	≤30	PASS
BLE_2M	Ant1	2440	2.17	≤30	PASS
BLE_2M	Ant1	2480	2.91	≤30	PASS

Test Graphs Peak

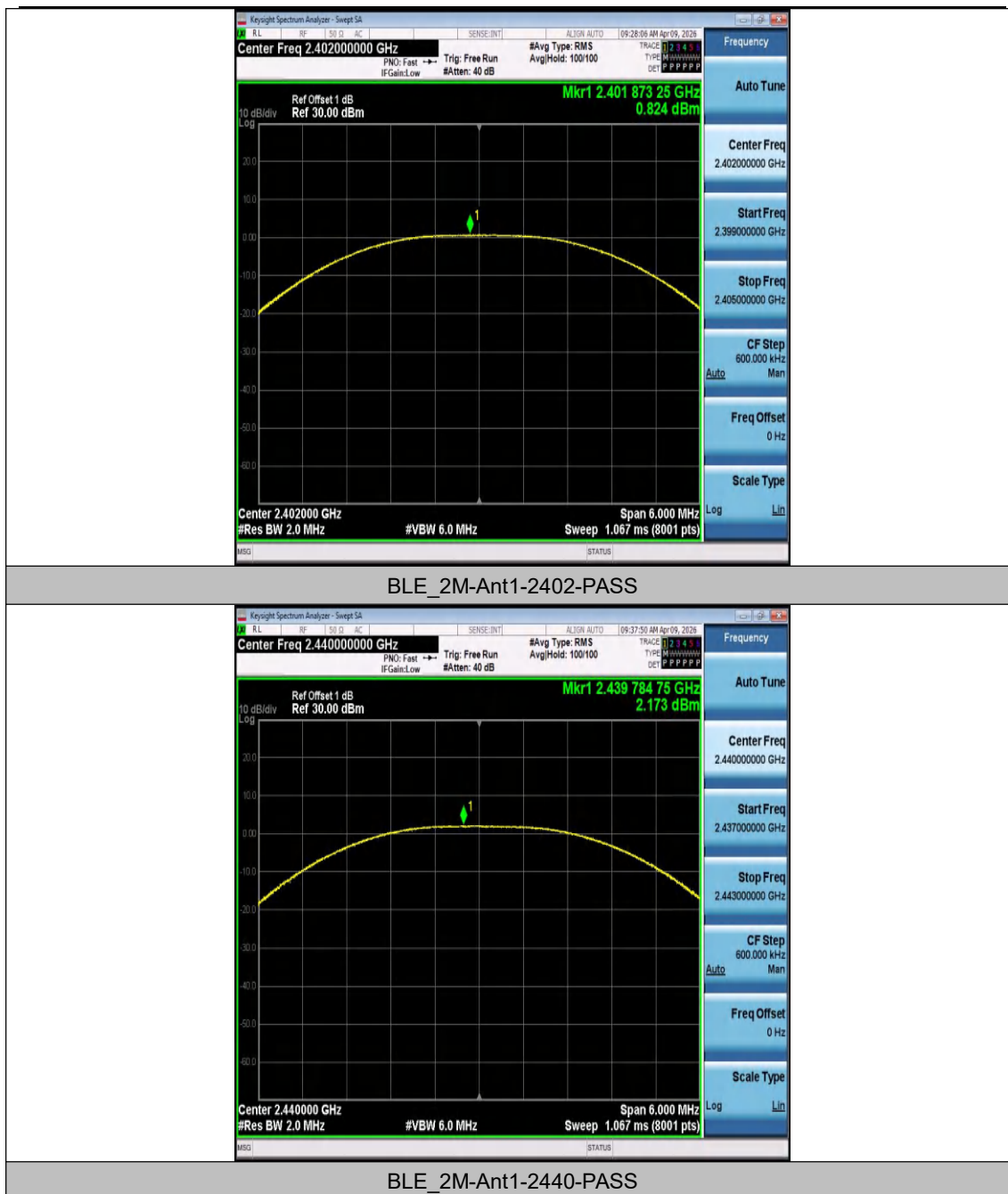




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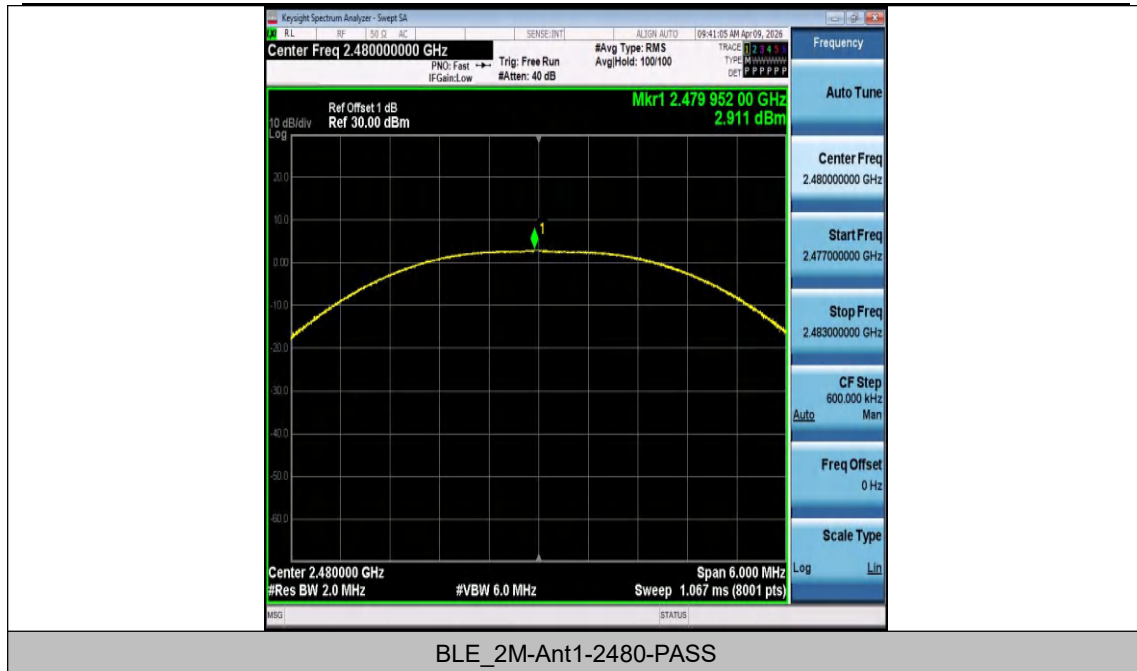
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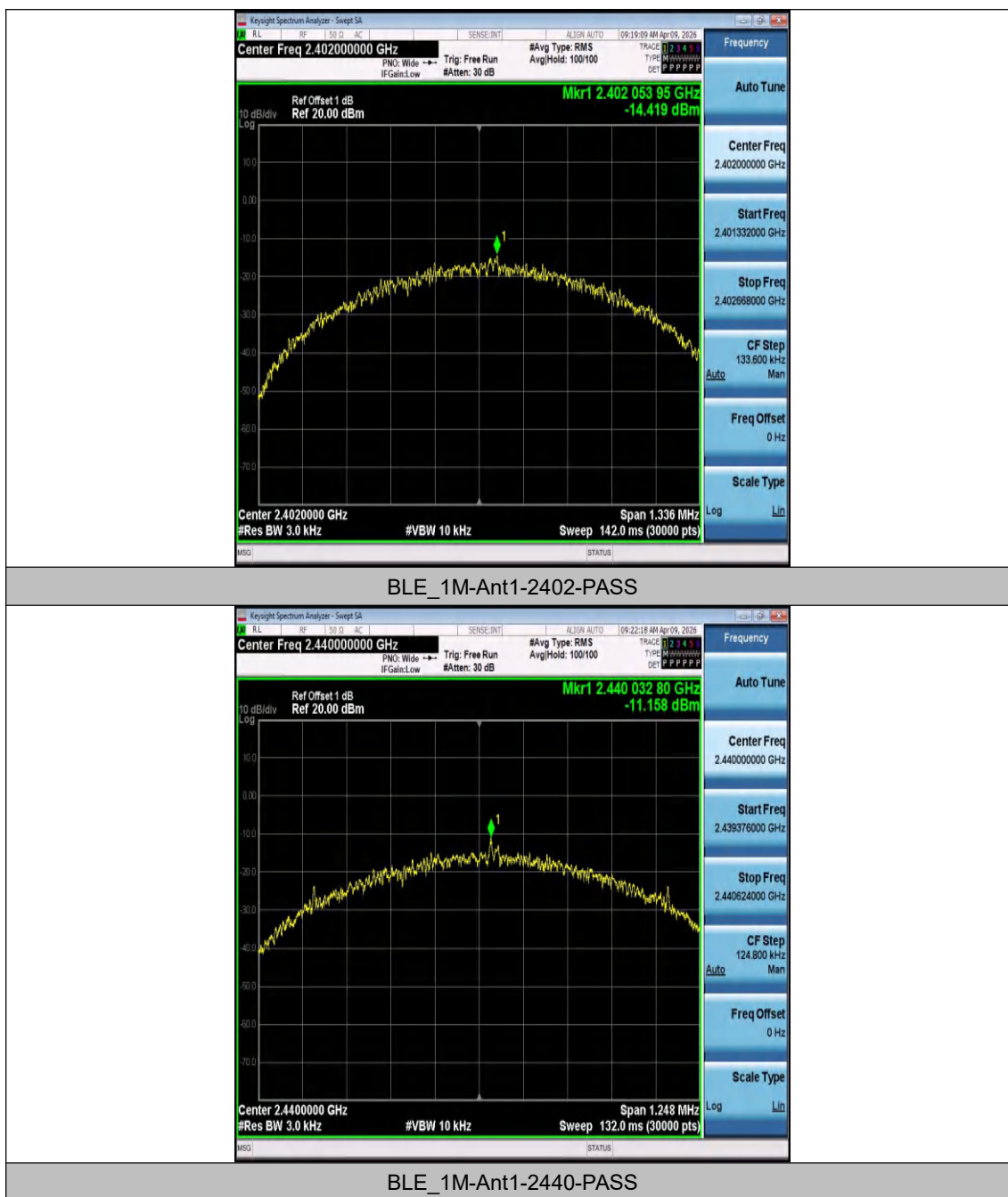
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.42	≤8.00	PASS
BLE_1M	Ant1	2440	-11.16	≤8.00	PASS
BLE_1M	Ant1	2480	-10.92	≤8.00	PASS
BLE_2M	Ant1	2402	-16.21	≤8.00	PASS
BLE_2M	Ant1	2440	-14.36	≤8.00	PASS
BLE_2M	Ant1	2480	-13.74	≤8.00	PASS

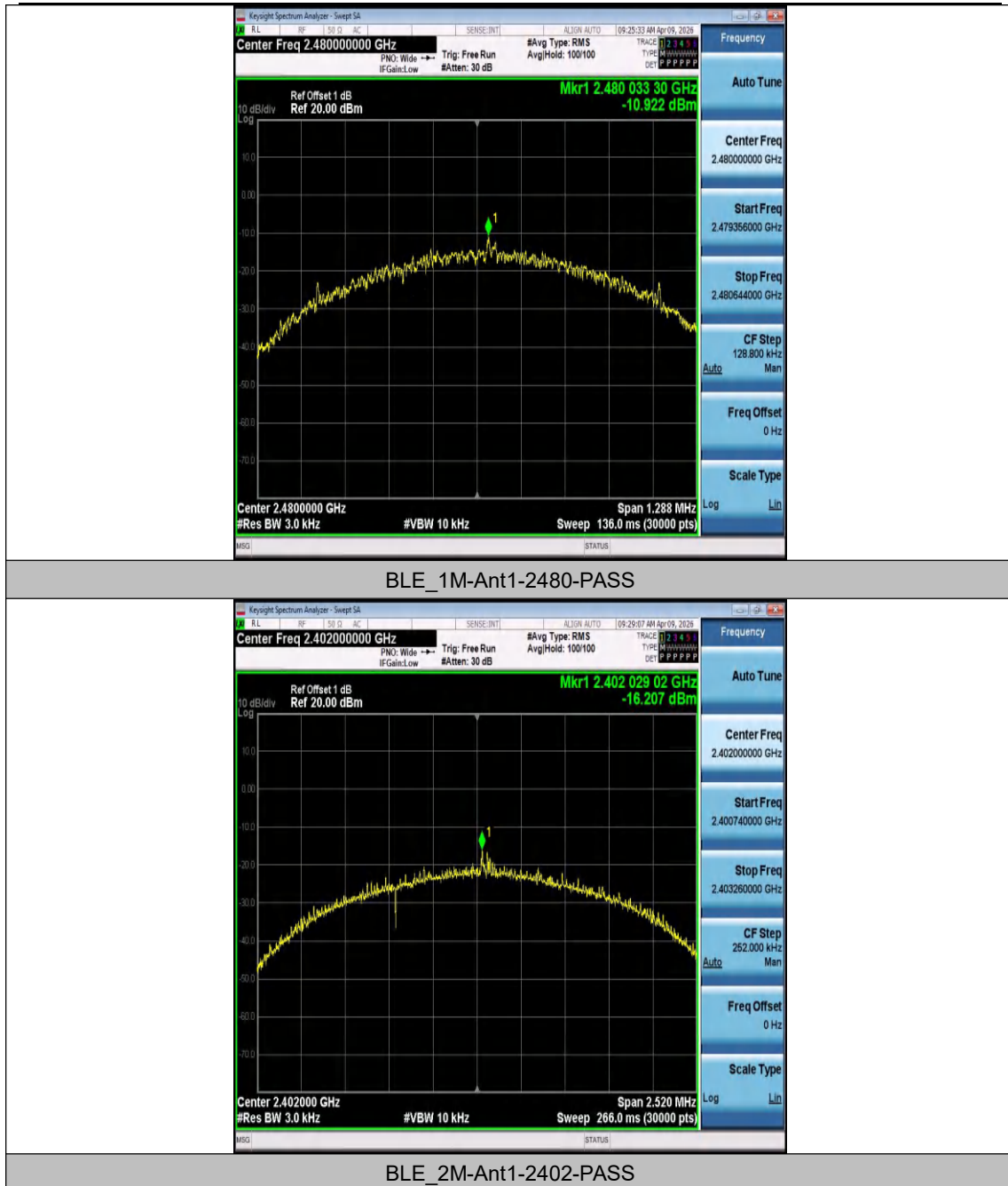
Test Graphs



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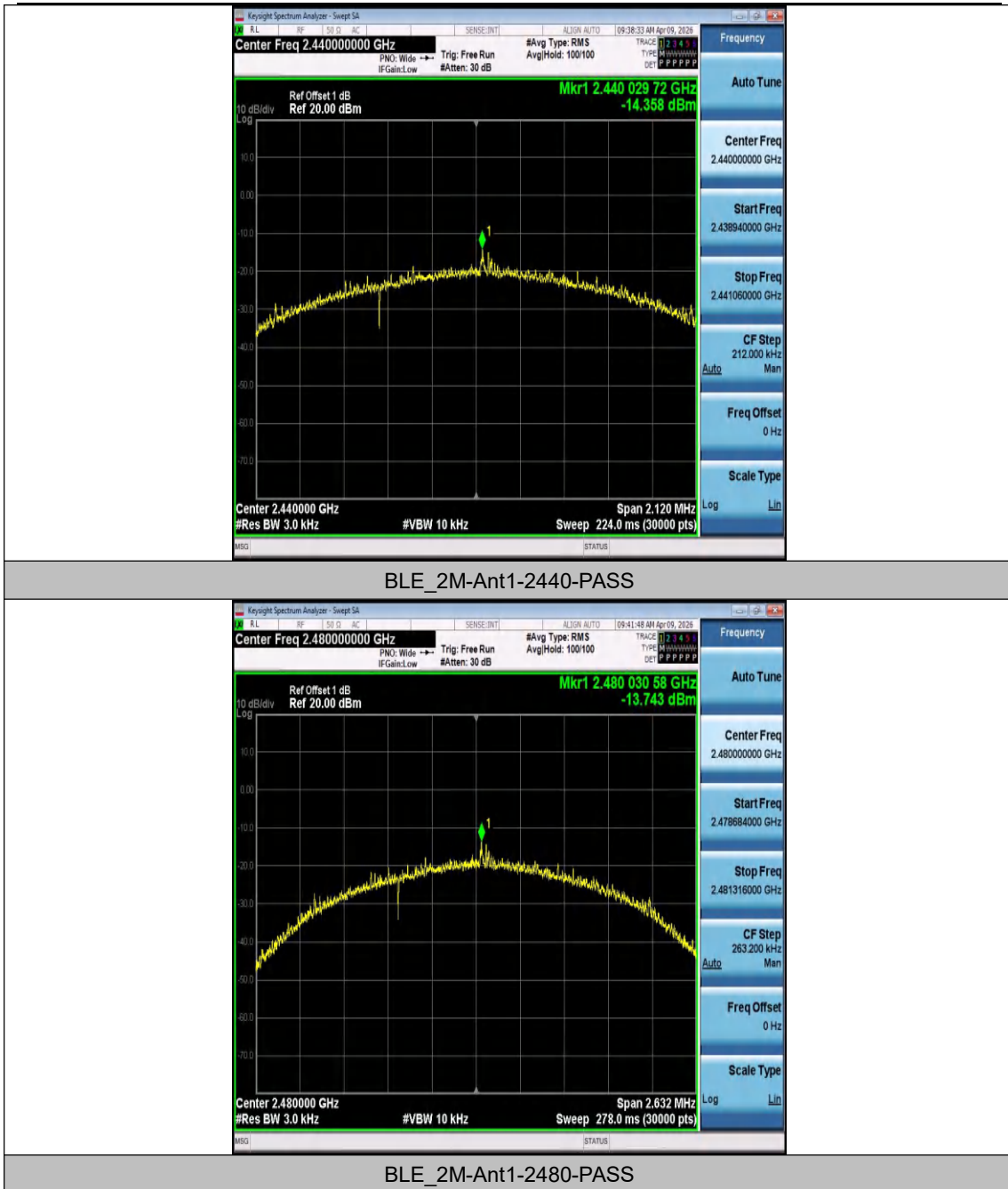
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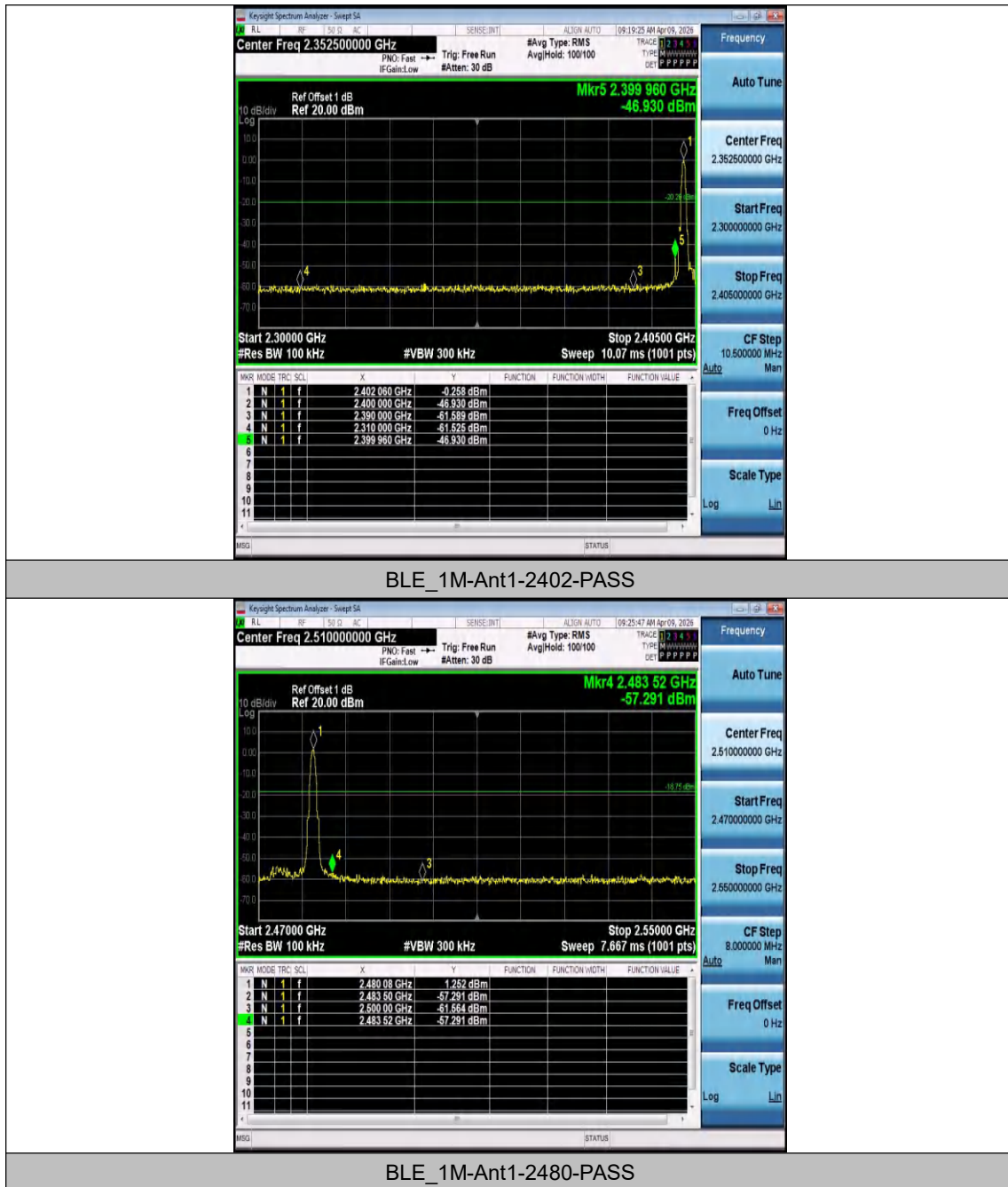
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.26	-46.93	≤-20.26	PASS
BLE_1M	Ant1	High	2480	1.25	-57.29	≤-18.75	PASS
BLE_2M	Ant1	Low	2402	-2.00	-46.31	≤-22	PASS
BLE_2M	Ant1	High	2480	1.46	-57.2	≤-18.54	PASS

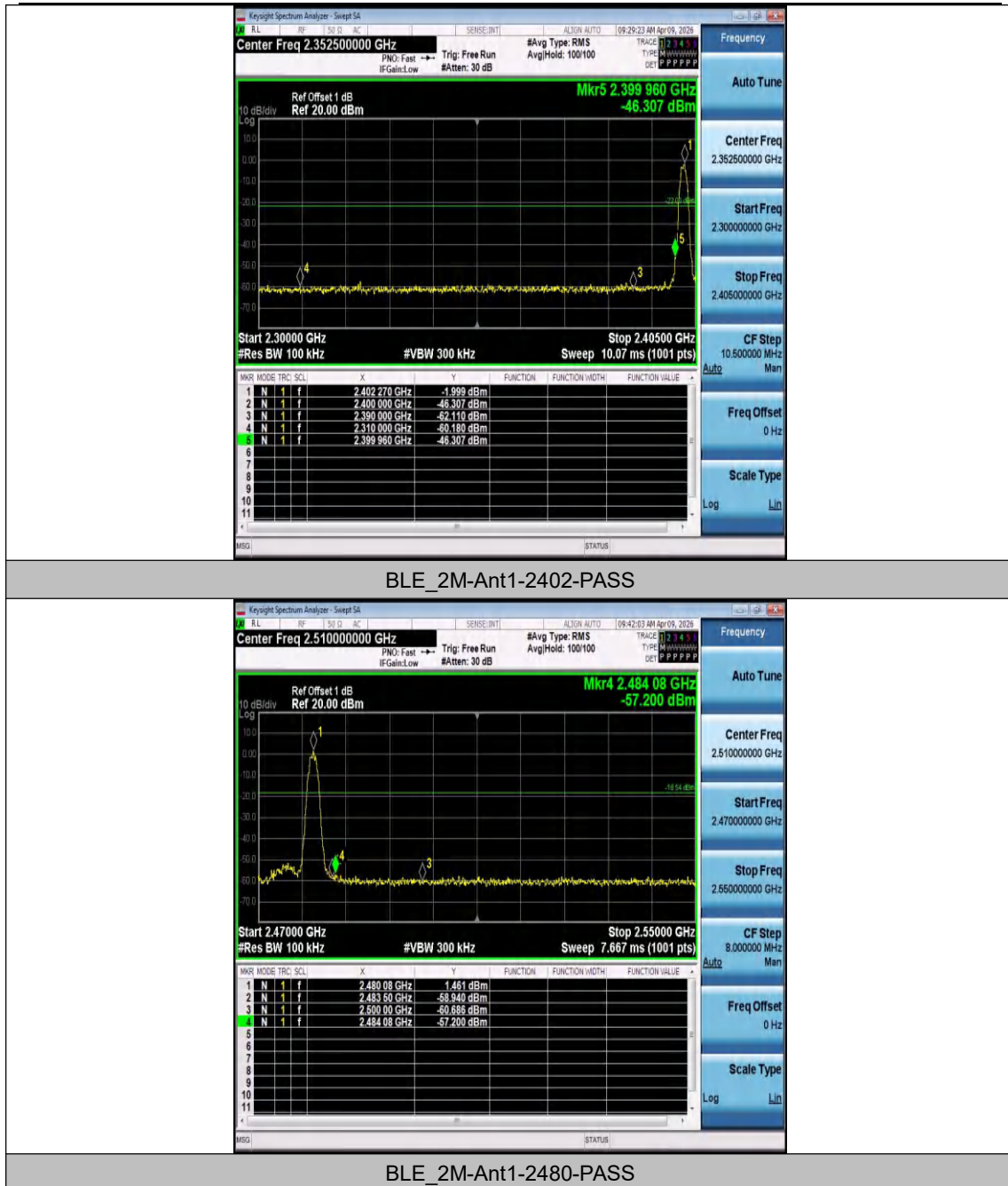
Test Graphs



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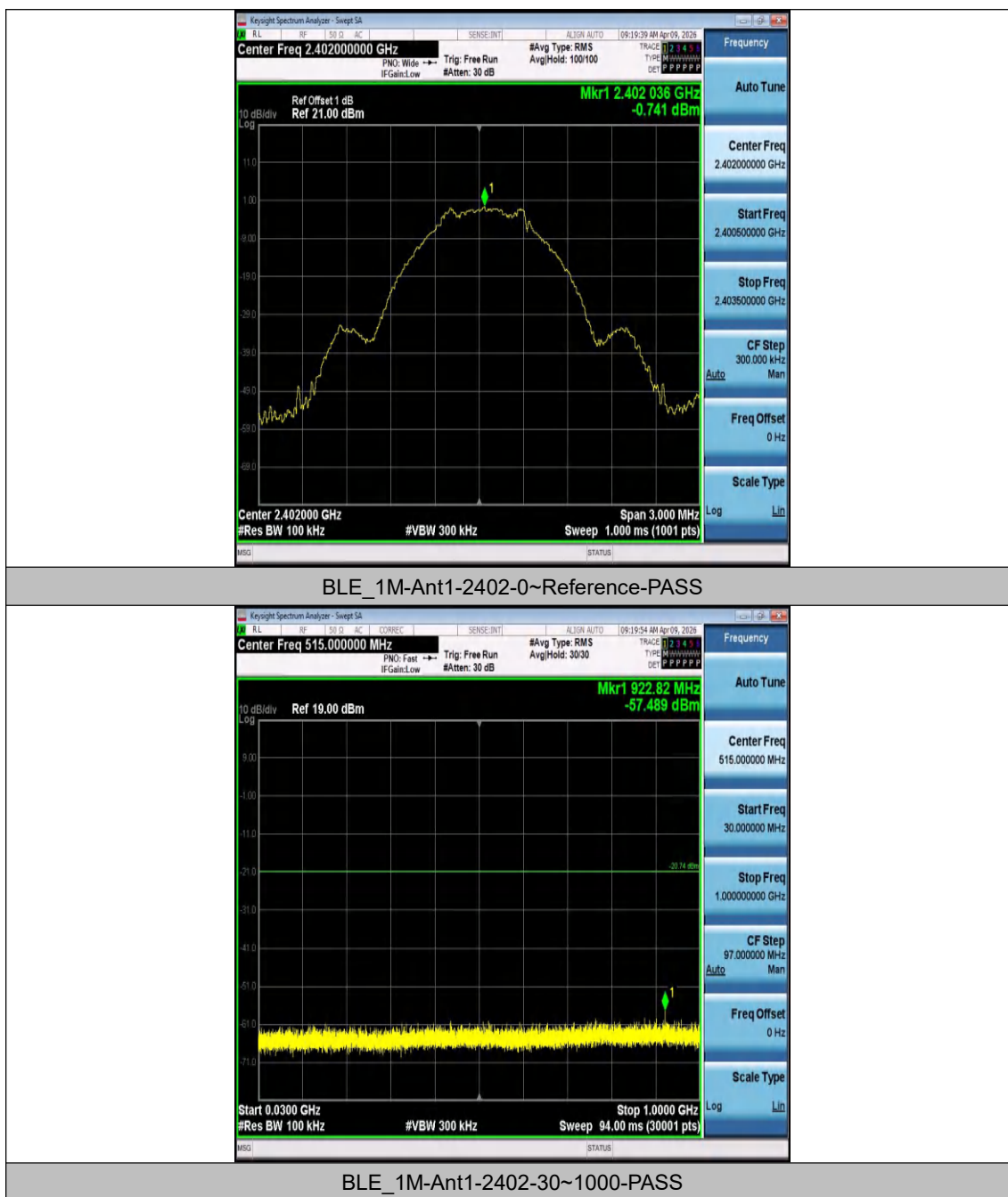
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.74	-0.74	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.74	-57.49	≤-20.74	PASS
BLE_1M	Ant1	2402	1000~26500	-0.74	-49.03	≤-20.74	PASS
BLE_1M	Ant1	2440	0~Reference	1.92	1.92	---	PASS
BLE_1M	Ant1	2440	30~1000	1.92	-59.46	≤-18.08	PASS
BLE_1M	Ant1	2440	1000~26500	1.92	-48.79	≤-18.08	PASS
BLE_1M	Ant1	2480	0~Reference	1.98	1.98	---	PASS
BLE_1M	Ant1	2480	30~1000	1.98	-59.19	≤-18.02	PASS
BLE_1M	Ant1	2480	1000~26500	1.98	-48.27	≤-18.02	PASS
BLE_2M	Ant1	2402	0~Reference	0.11	0.11	---	PASS
BLE_2M	Ant1	2402	30~1000	0.11	-59.35	≤-19.89	PASS
BLE_2M	Ant1	2402	1000~26500	0.11	-48.34	≤-19.89	PASS
BLE_2M	Ant1	2440	0~Reference	1.63	1.63	---	PASS
BLE_2M	Ant1	2440	30~1000	1.63	-59.27	≤-18.37	PASS
BLE_2M	Ant1	2440	1000~26500	1.63	-47.91	≤-18.37	PASS
BLE_2M	Ant1	2480	0~Reference	1.27	1.27	---	PASS
BLE_2M	Ant1	2480	30~1000	1.27	-58.03	≤-18.73	PASS
BLE_2M	Ant1	2480	1000~26500	1.27	-48.45	≤-18.73	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.

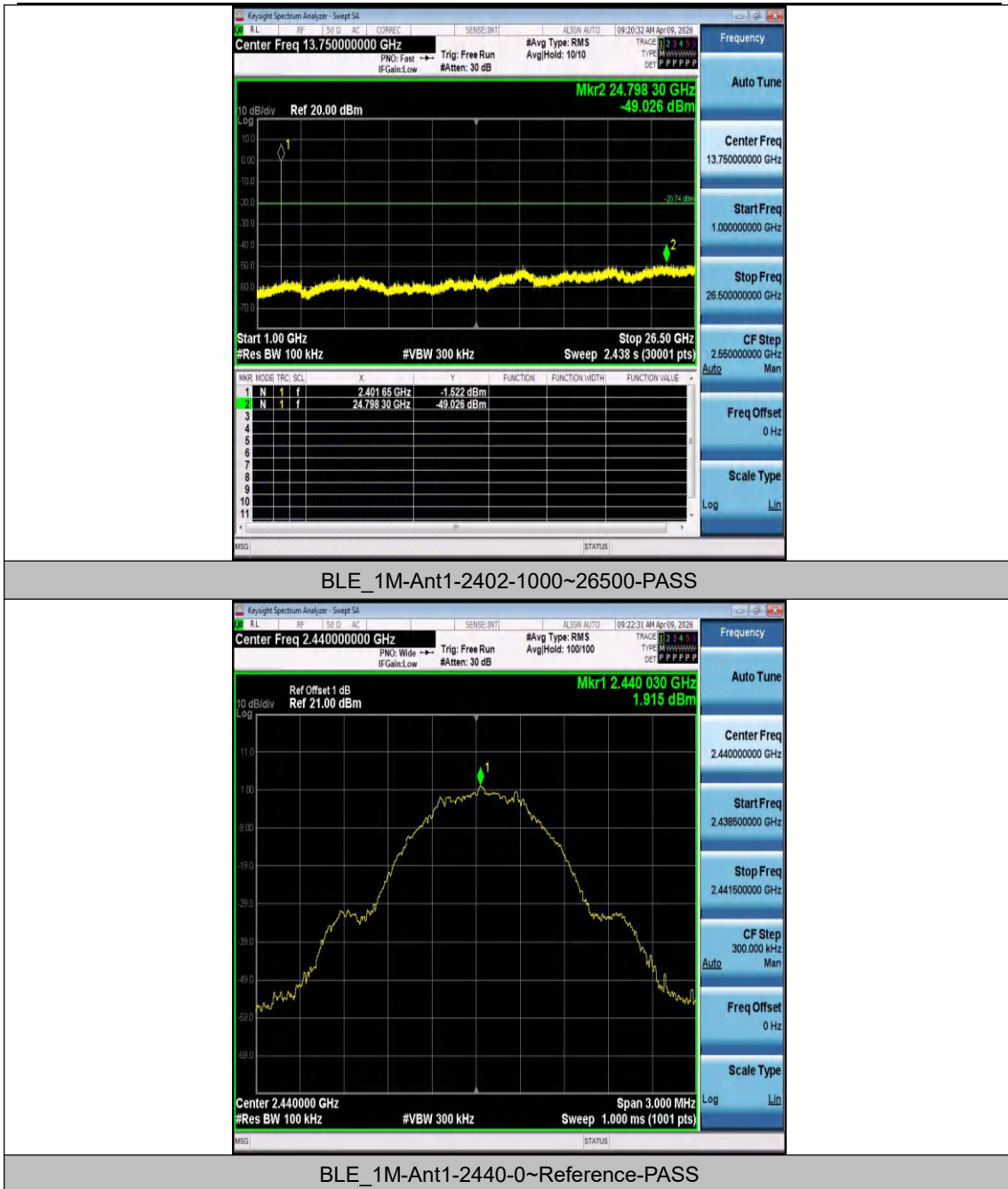
Test Graphs



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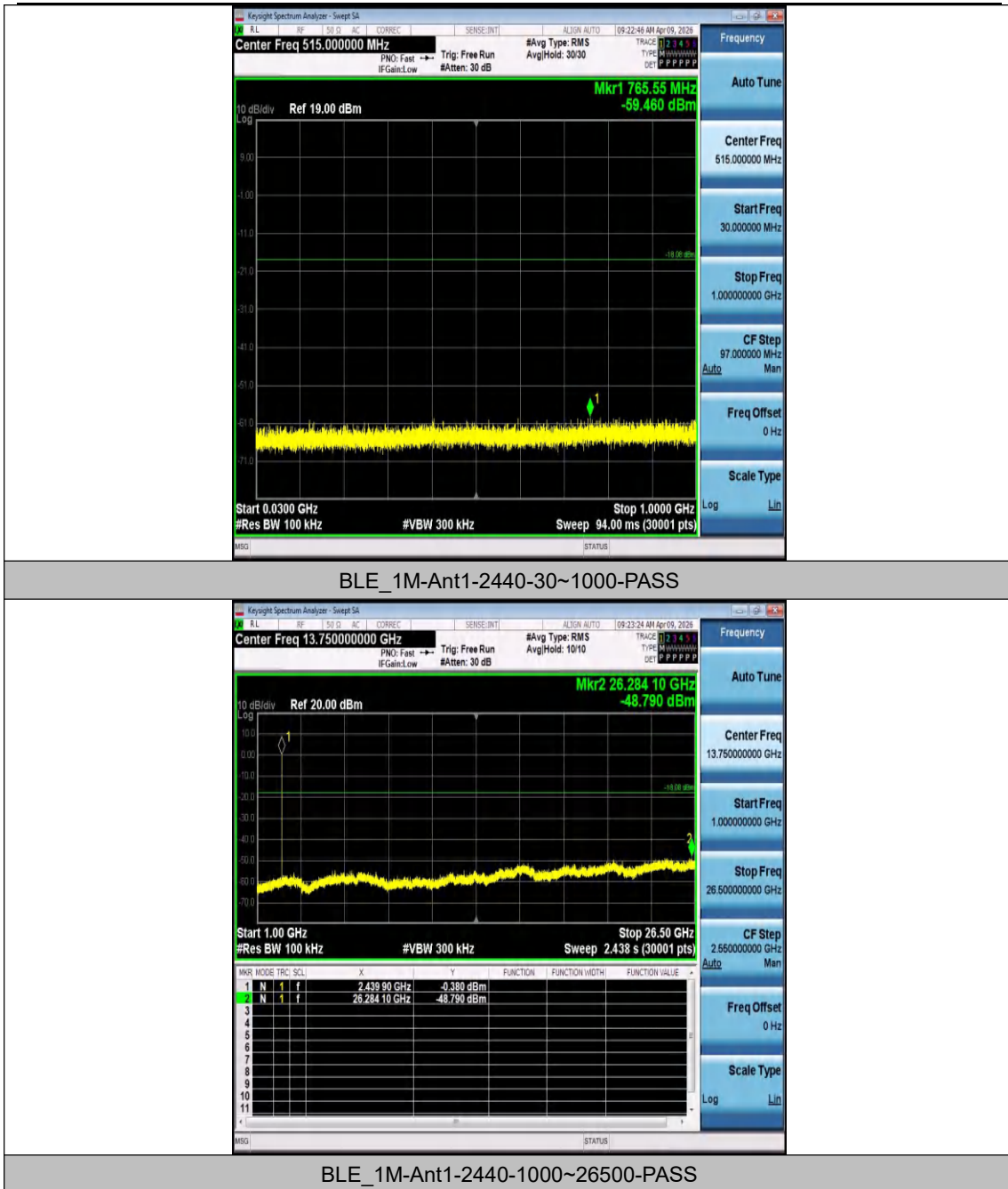
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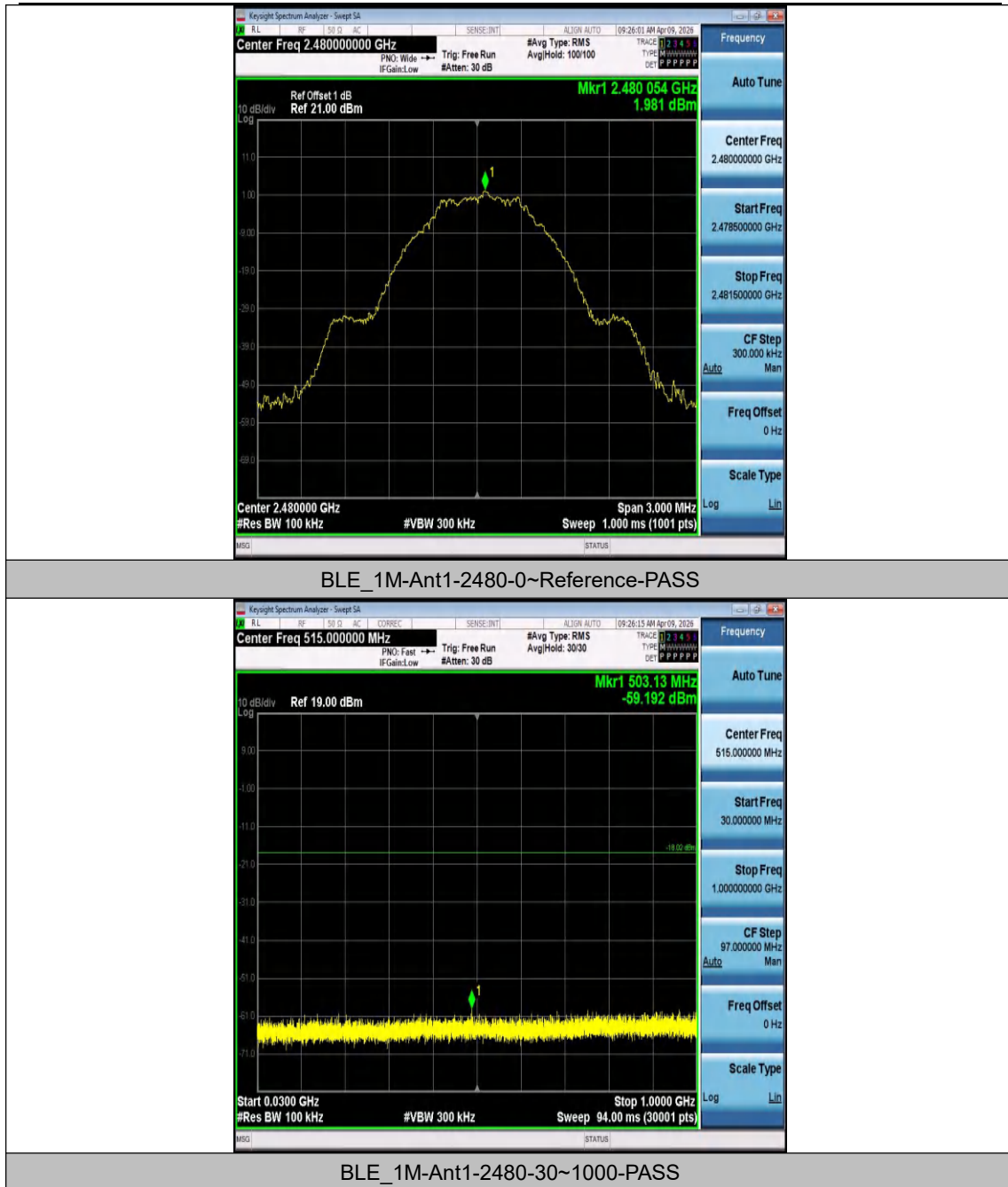
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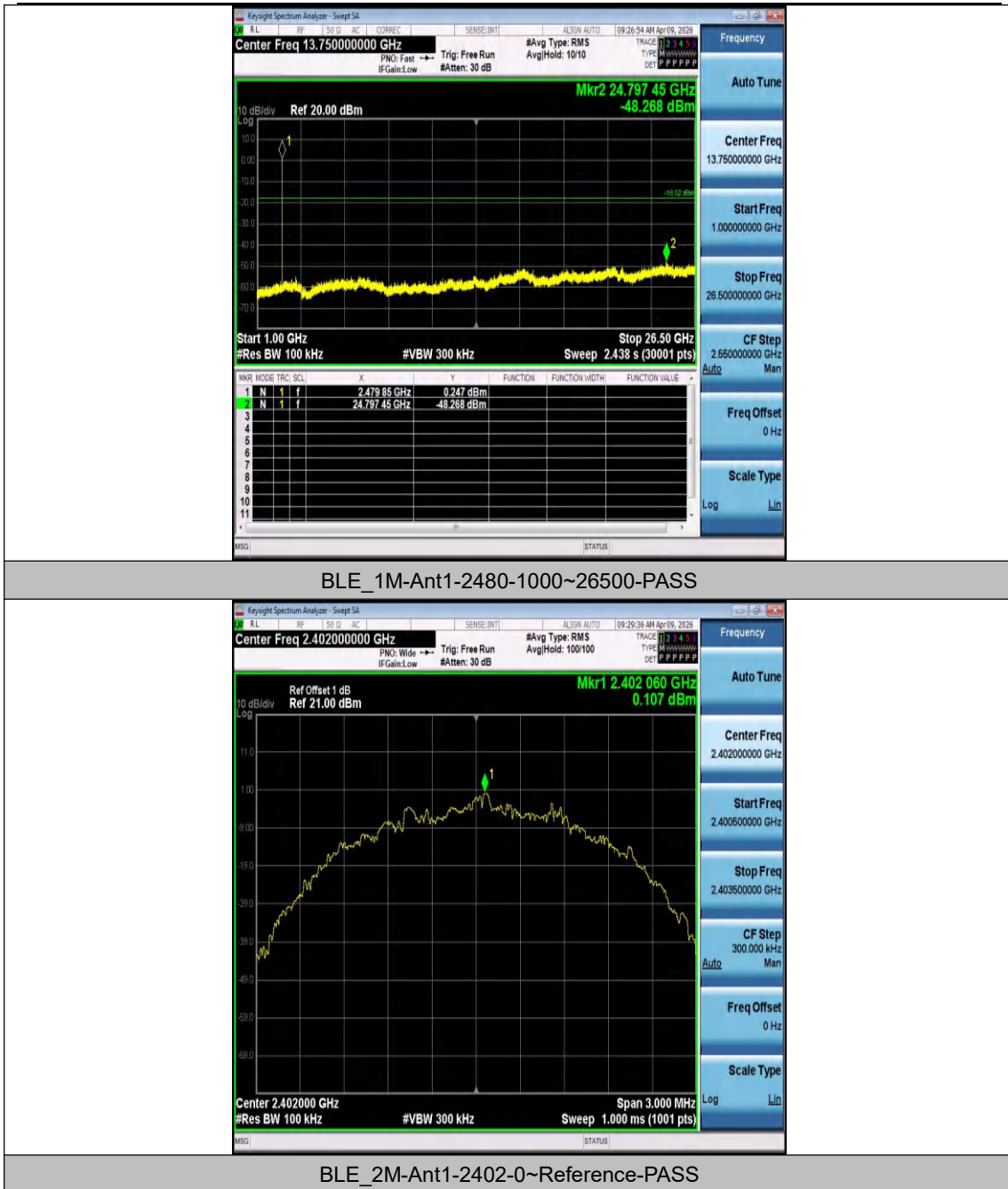
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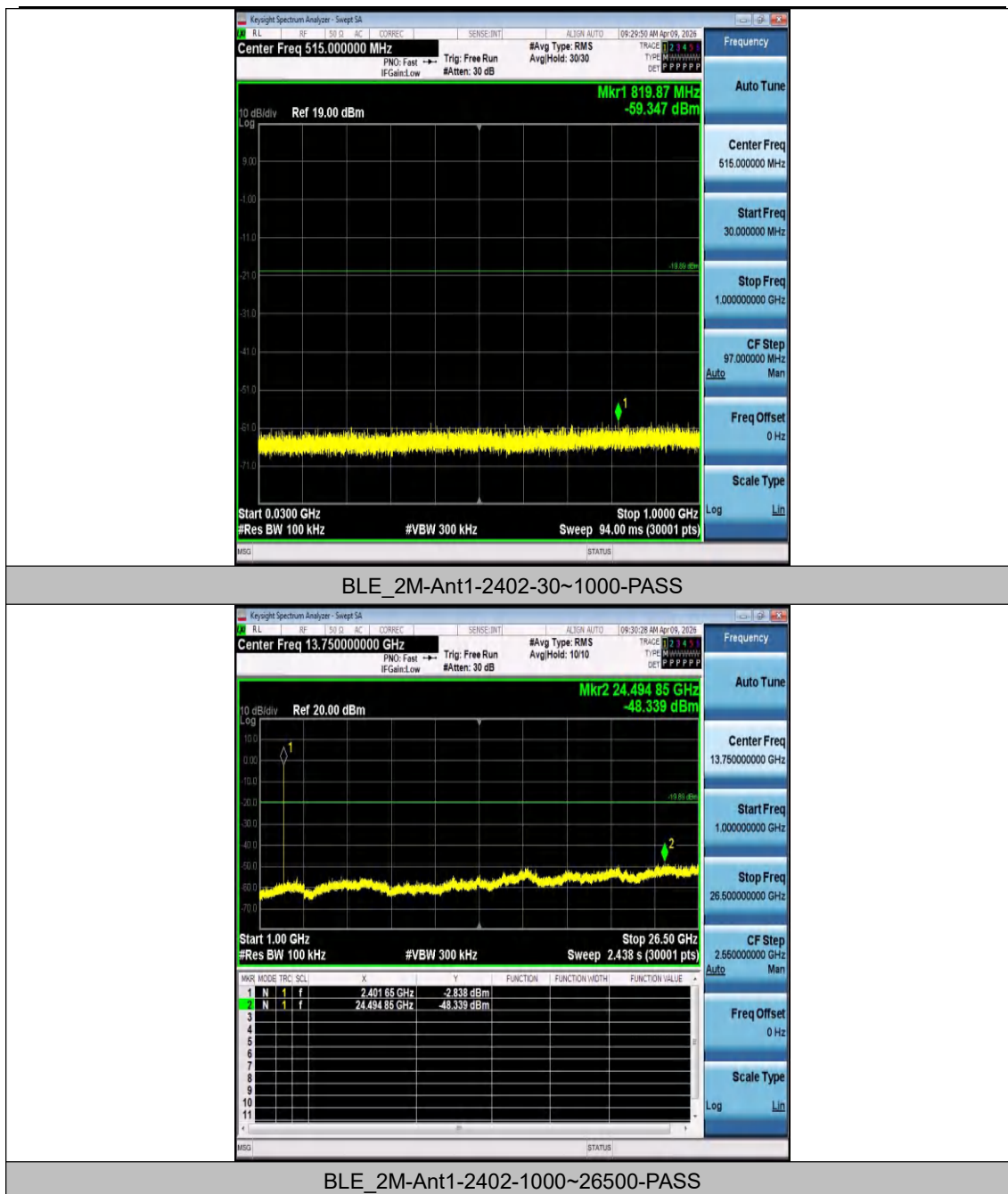
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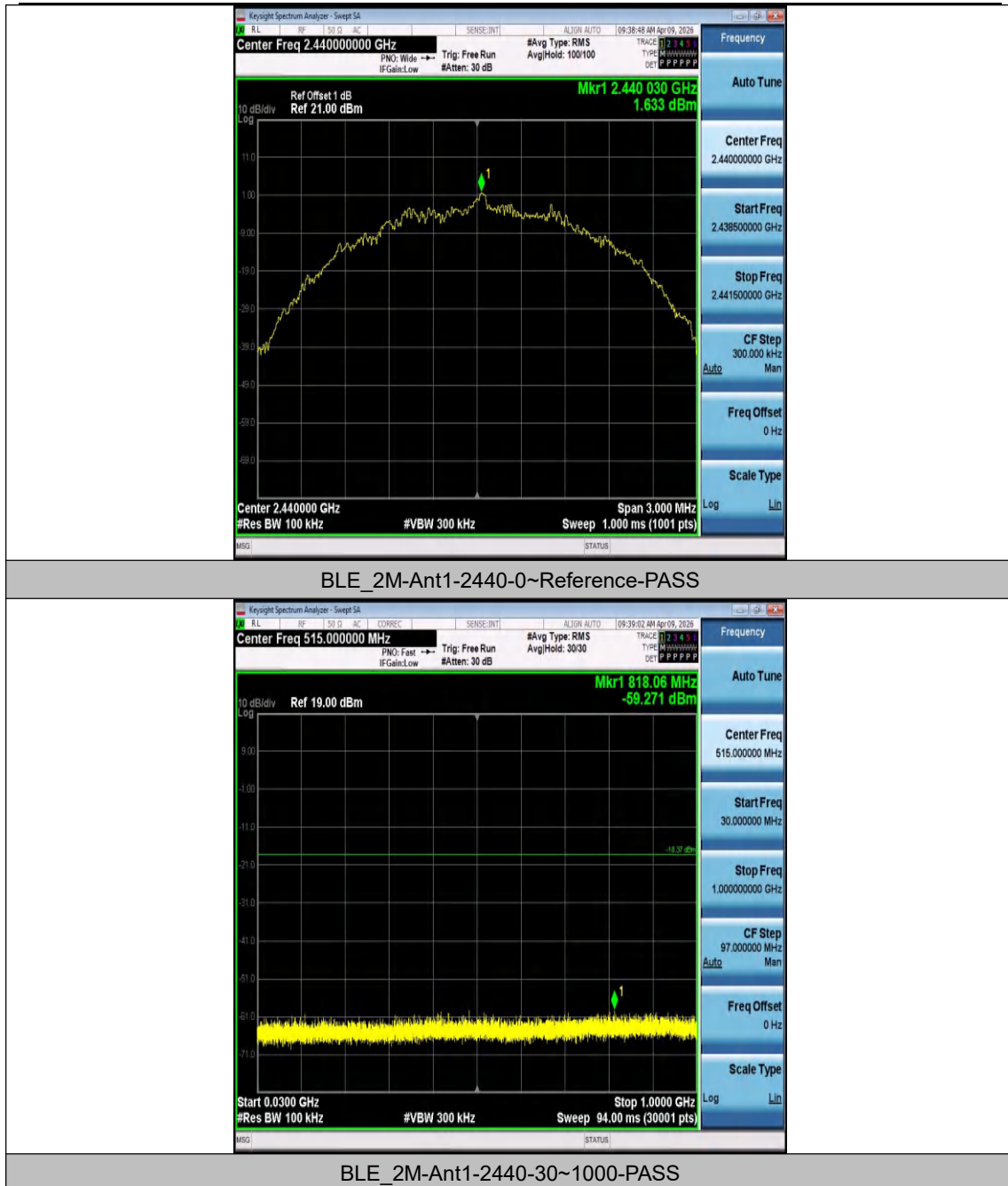
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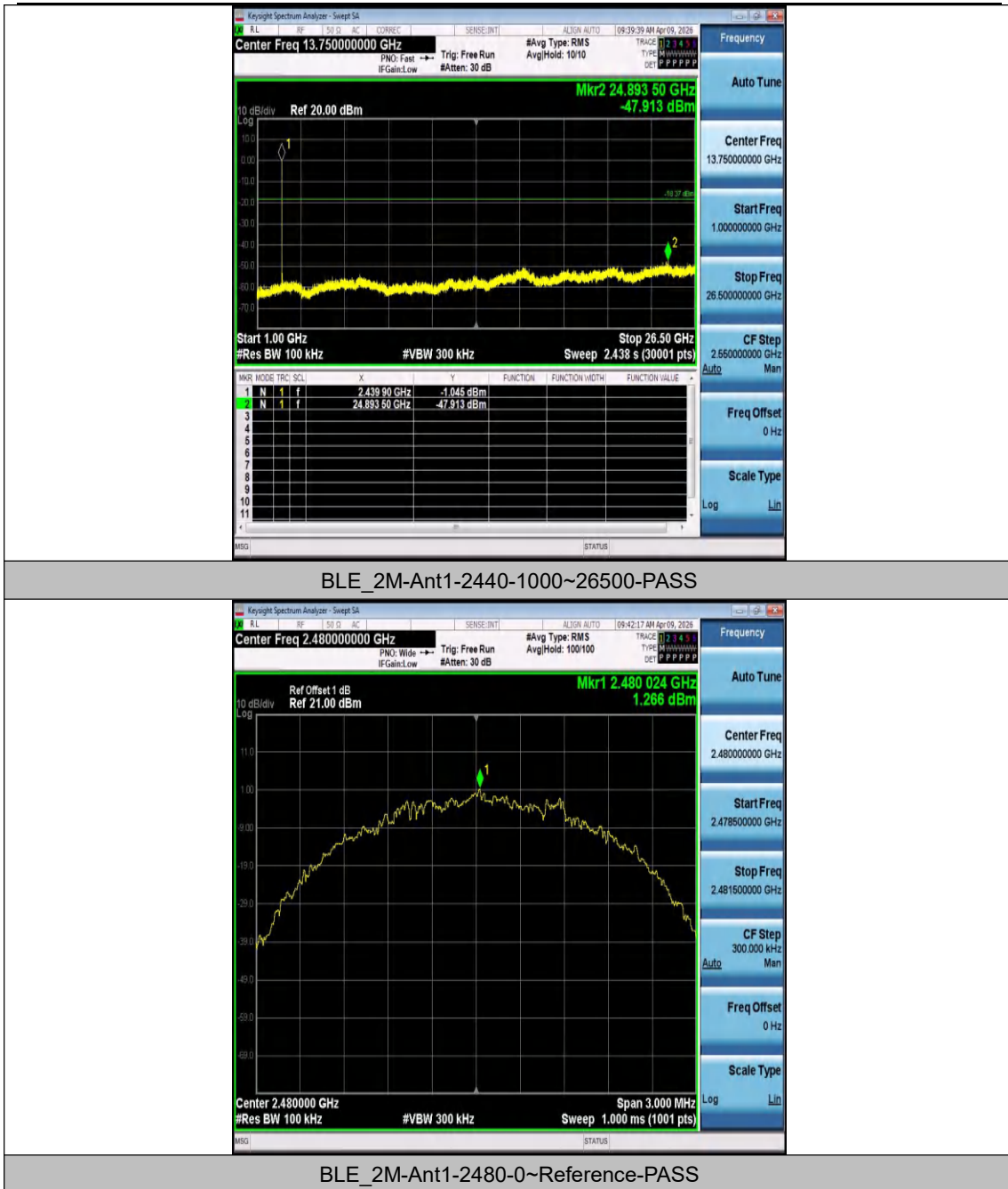
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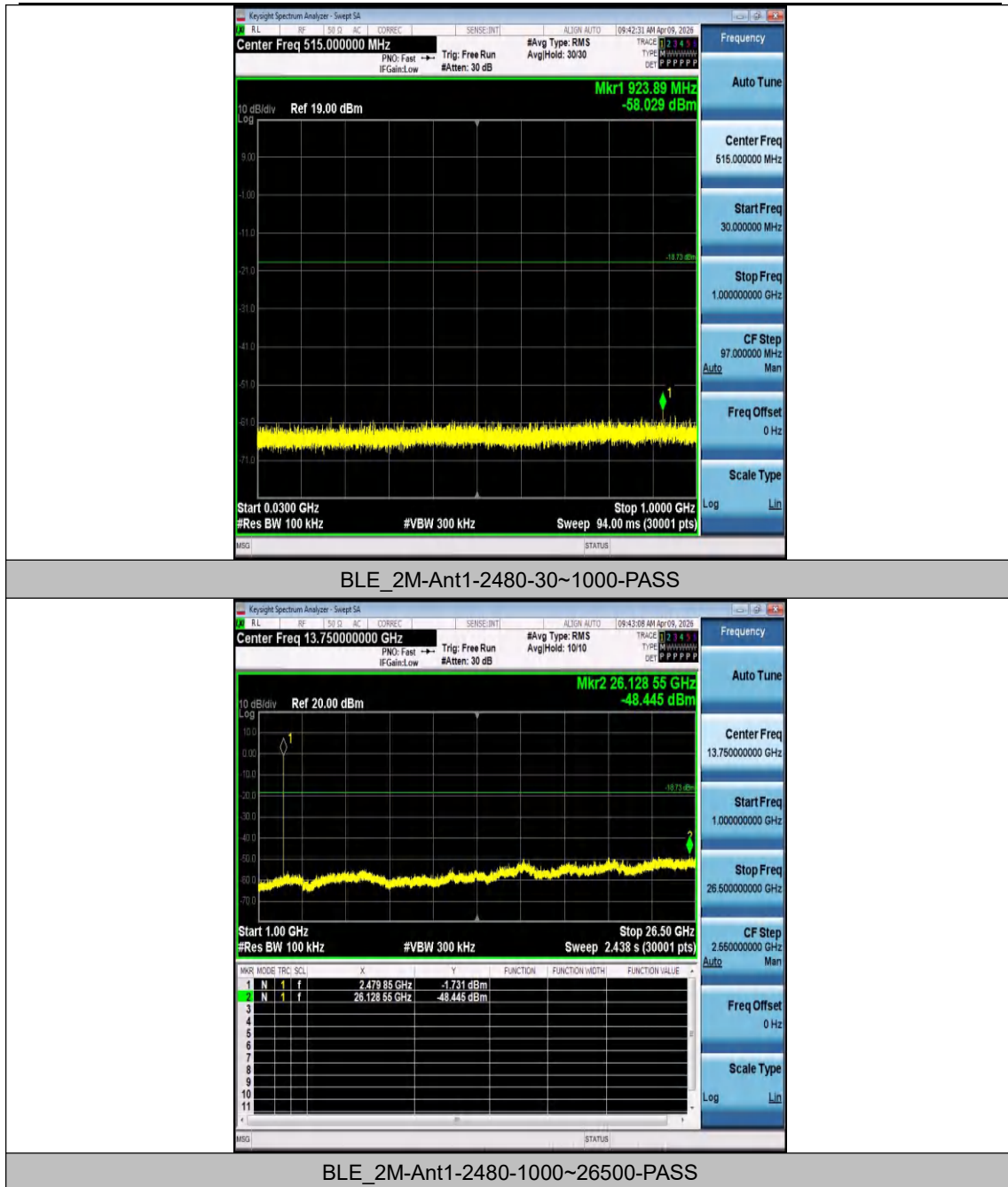
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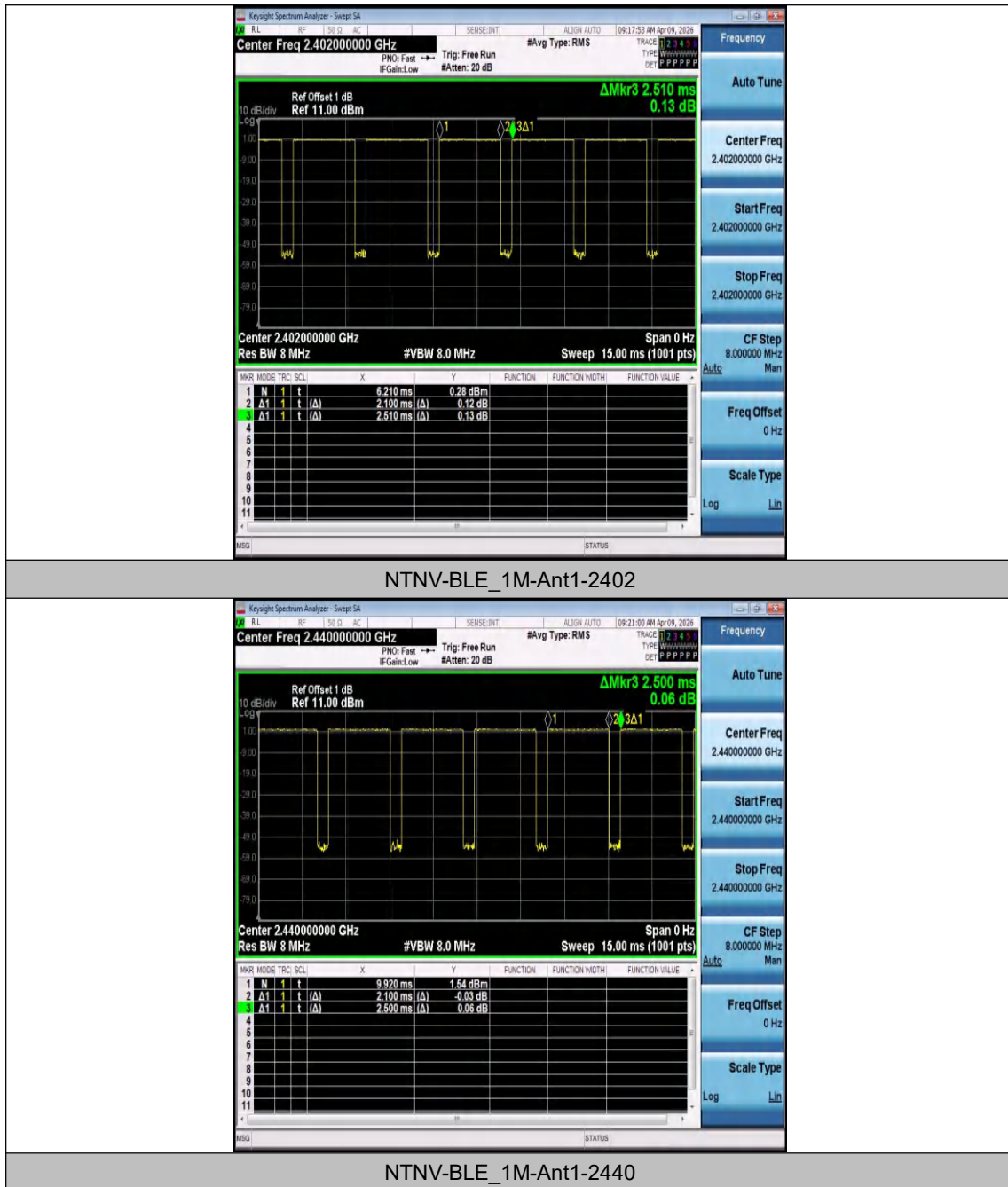
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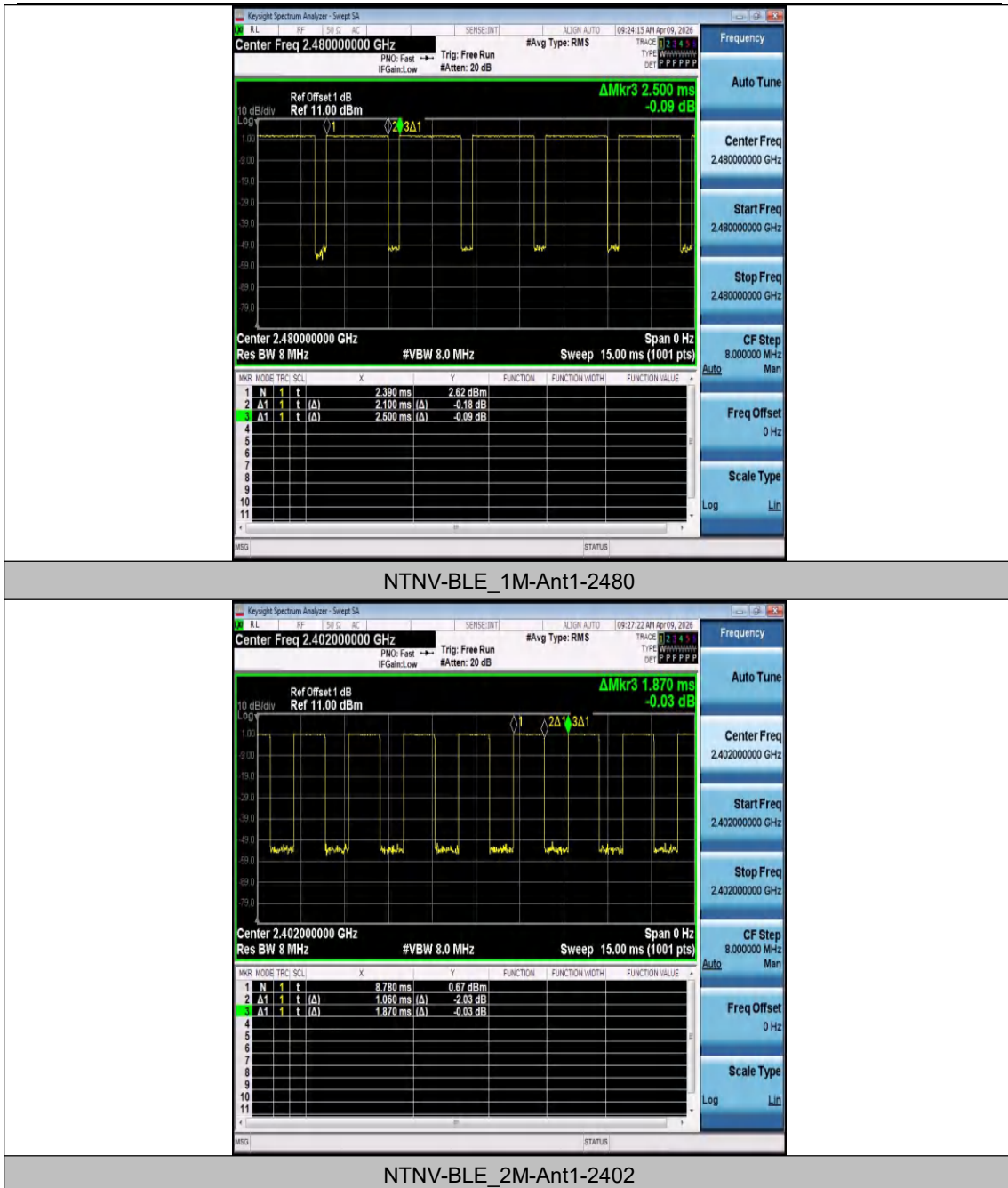
Appendix G: Duty Cycle

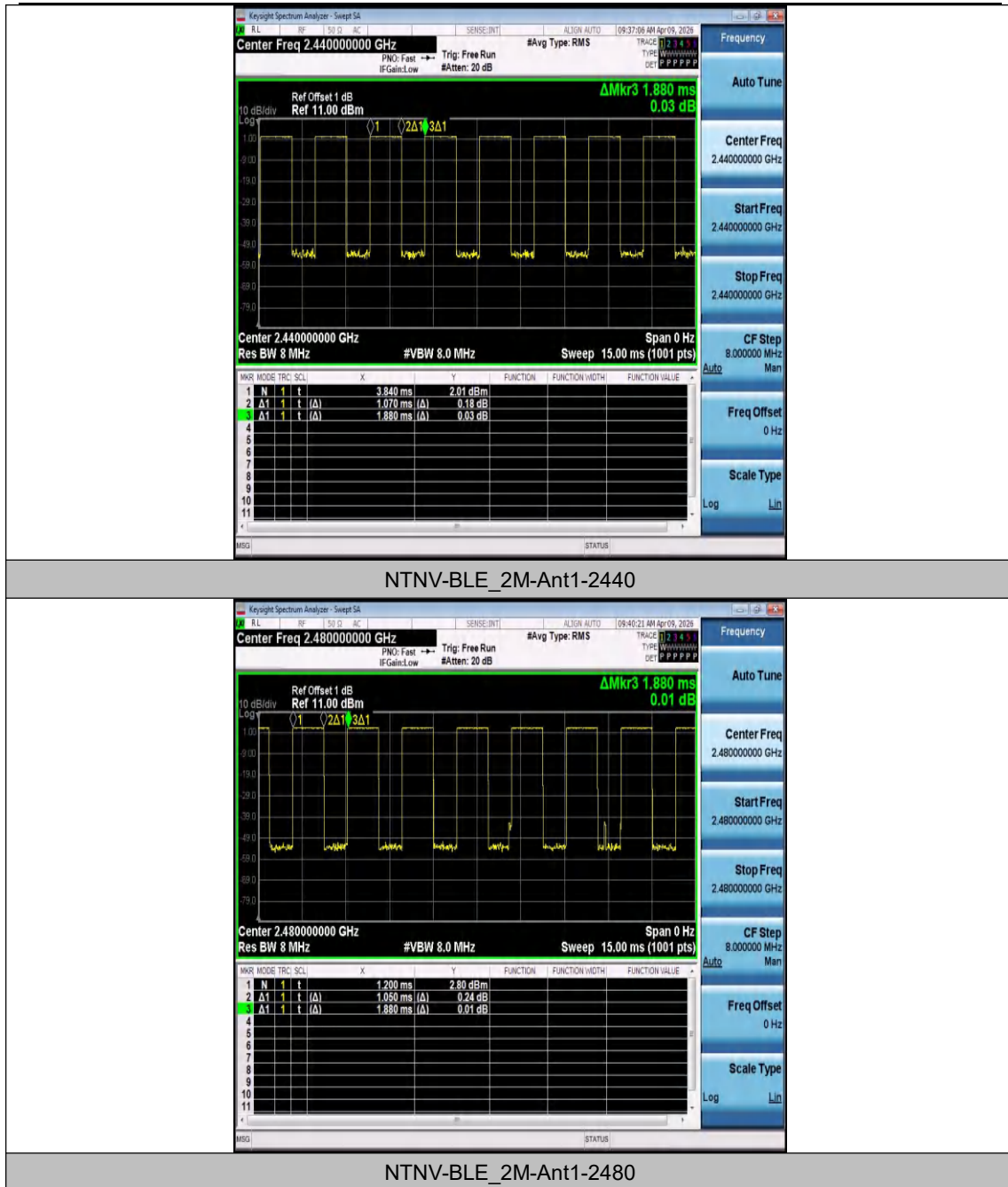
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.51	83.67	0.77
BLE_1M	Ant1	2440	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2480	2.10	2.50	84.00	0.76
BLE_2M	Ant1	2402	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2440	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2480	1.05	1.88	55.85	2.53

Test Graphs







---End---