

Appendix Test Data

Report No.:	1812C60153012502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-3-19	Finish Test Date:	2026-3-26
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	68%
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	0.648	2401.676	2402.324	0.5	PASS
BLE_1M	Ant1	2440	0.628	2439.676	2440.304	0.5	PASS
BLE_1M	Ant1	2480	0.644	2479.676	2480.320	0.5	PASS
BLE_2M	Ant1	2402	1.096	2401.444	2402.540	0.5	PASS
BLE_2M	Ant1	2440	1.120	2439.440	2440.560	0.5	PASS
BLE_2M	Ant1	2480	1.140	2479.416	2480.556	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	1.0433	2401.4833	2402.5266	---	---
BLE_1M	Ant1	2440	1.0366	2439.4817	2440.5183	---	---
BLE_1M	Ant1	2480	1.0313	2479.4886	2480.5199	---	---
BLE_2M	Ant1	2402	2.0551	2400.9909	2403.0460	---	---
BLE_2M	Ant1	2440	2.0409	2438.9932	2441.0341	---	---
BLE_2M	Ant1	2480	2.0565	2478.9848	2481.0413	---	---

Test Graphs



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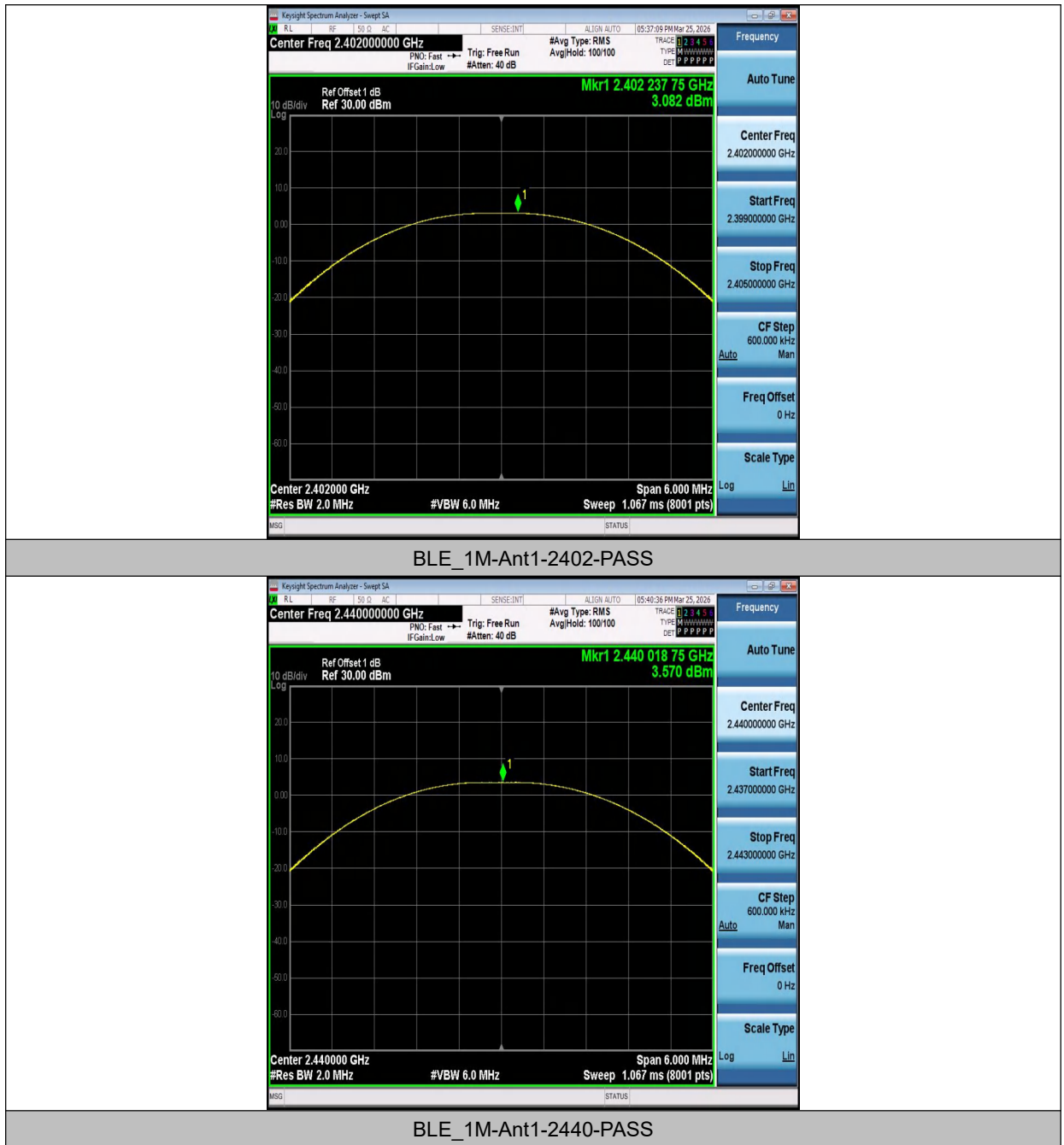
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.08	≤30	PASS
BLE_1M	Ant1	2440	3.57	≤30	PASS
BLE_1M	Ant1	2480	3.63	≤30	PASS
BLE_2M	Ant1	2402	3.07	≤30	PASS
BLE_2M	Ant1	2440	3.54	≤30	PASS
BLE_2M	Ant1	2480	3.62	≤30	PASS

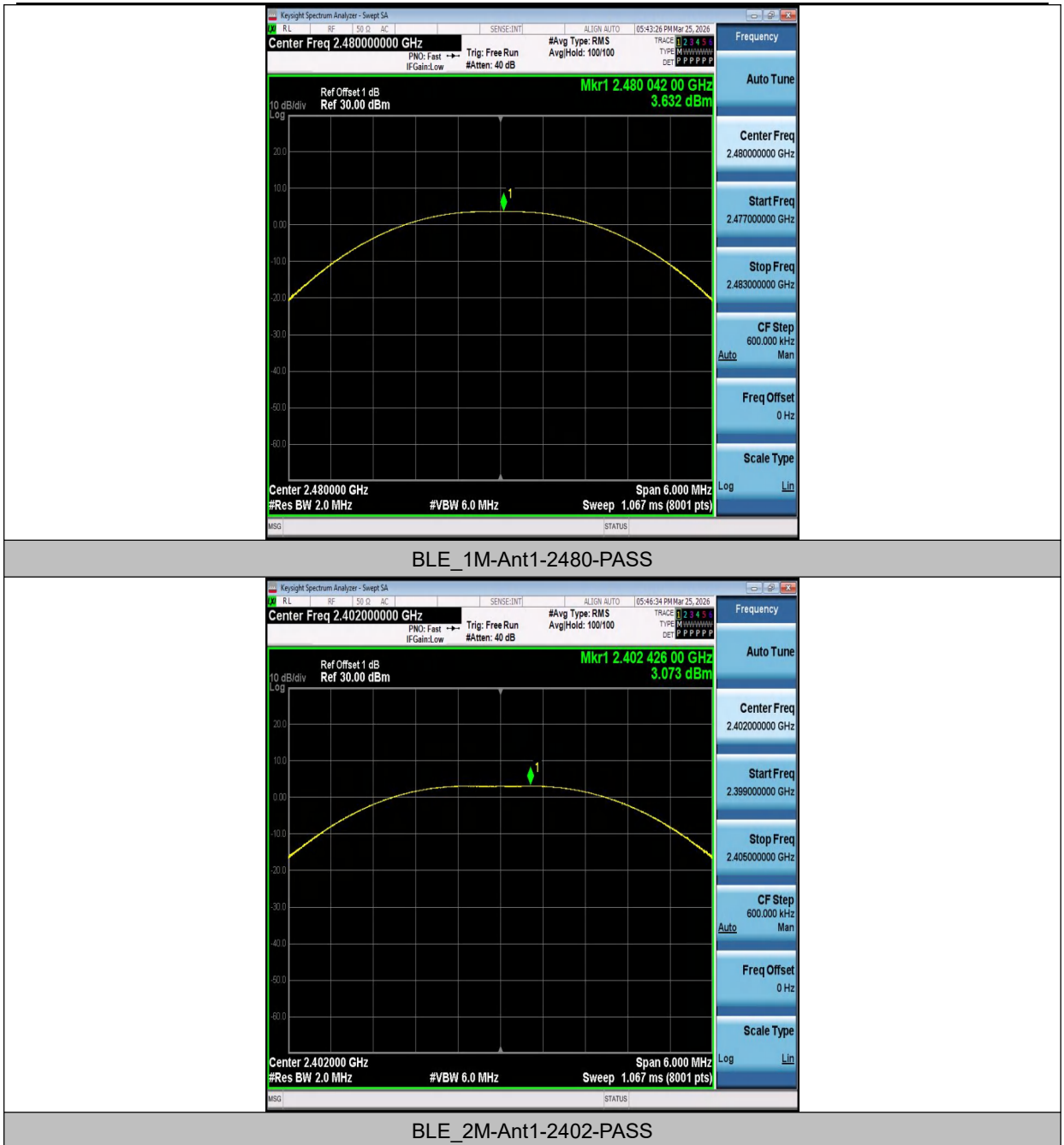
Test Graphs Peak



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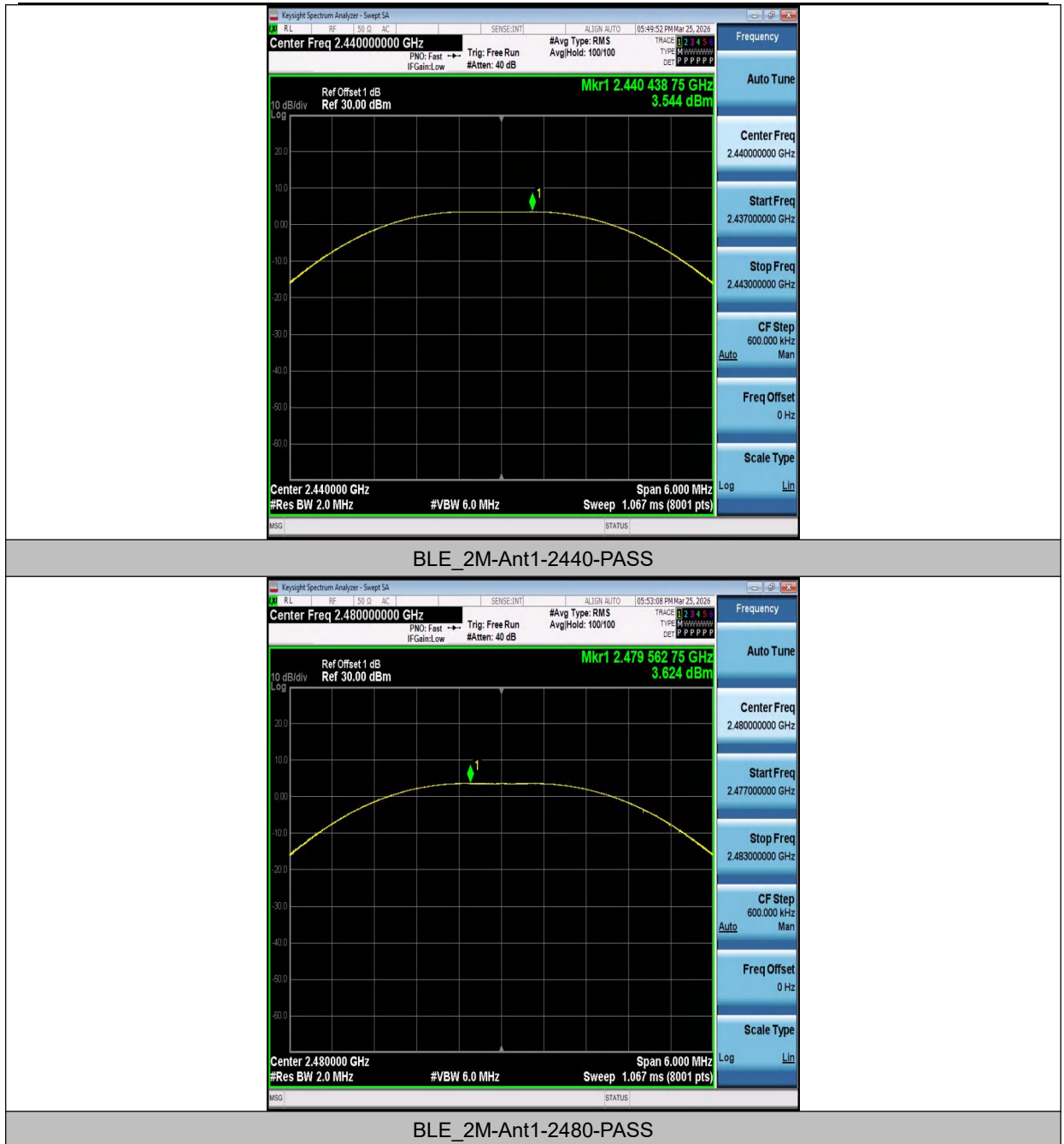
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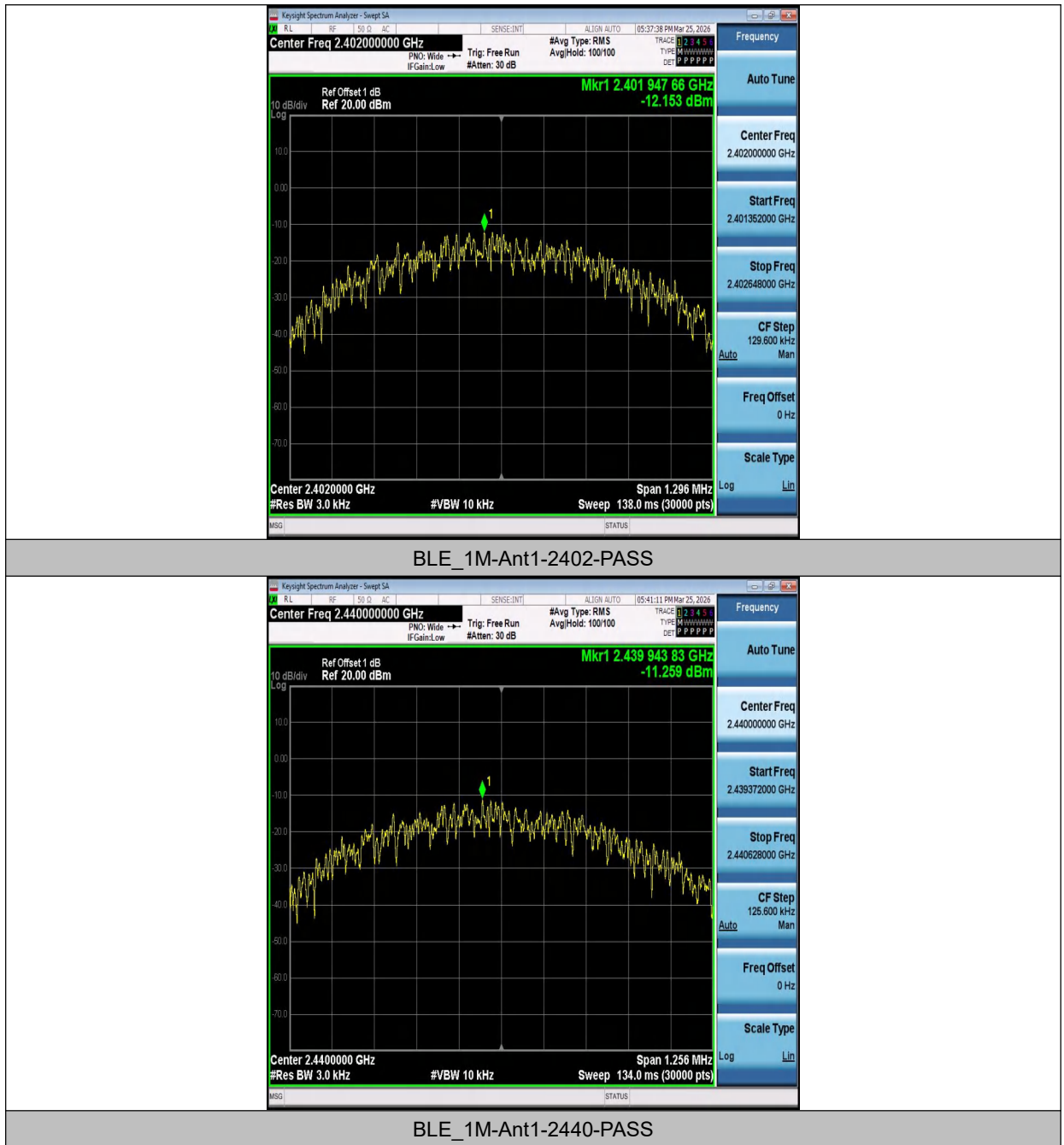
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.15	≤8.00	PASS
BLE_1M	Ant1	2440	-11.26	≤8.00	PASS
BLE_1M	Ant1	2480	-11.31	≤8.00	PASS
BLE_2M	Ant1	2402	-14.92	≤8.00	PASS
BLE_2M	Ant1	2440	-14.47	≤8.00	PASS
BLE_2M	Ant1	2480	-14.15	≤8.00	PASS

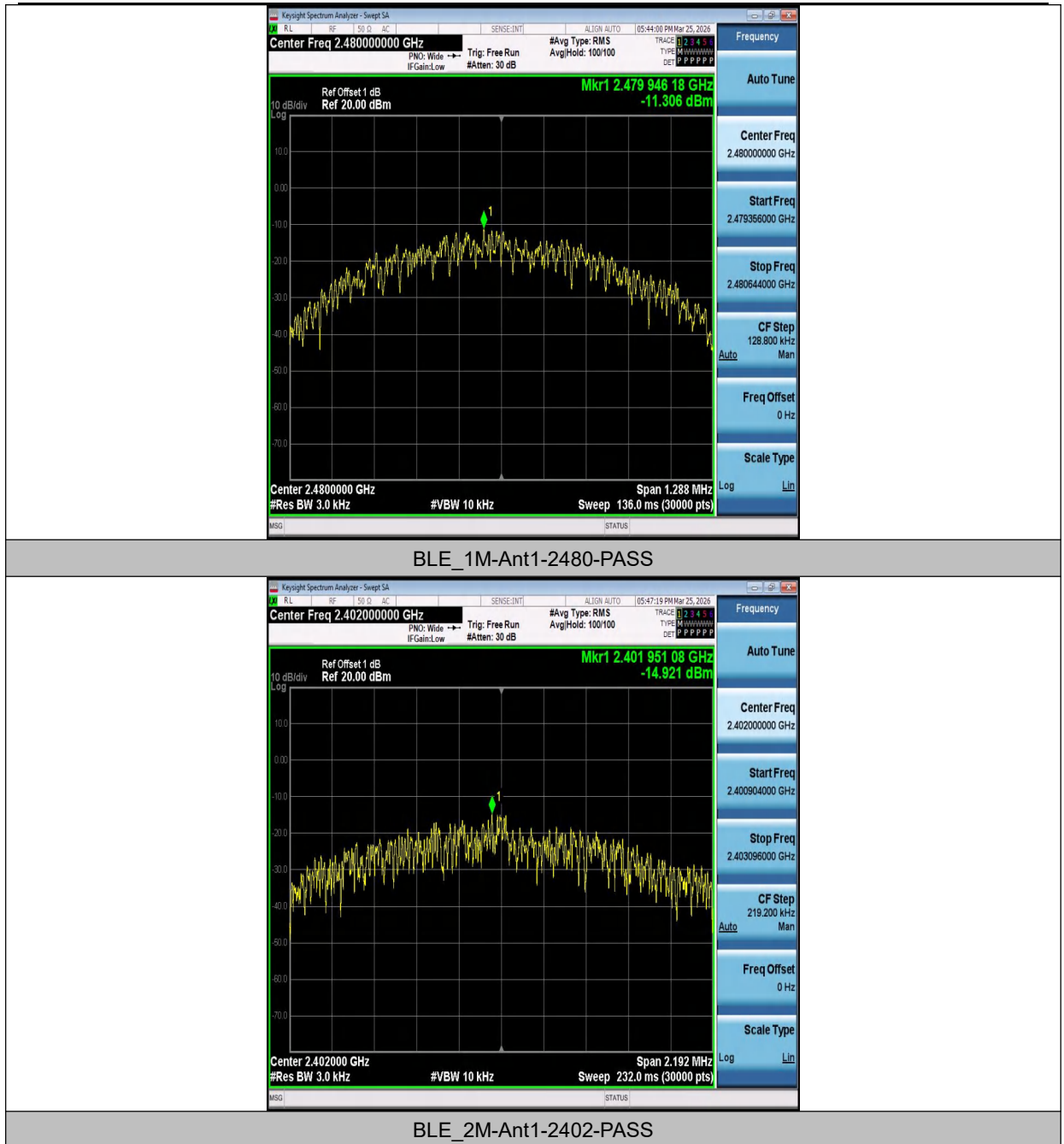
Test Graphs



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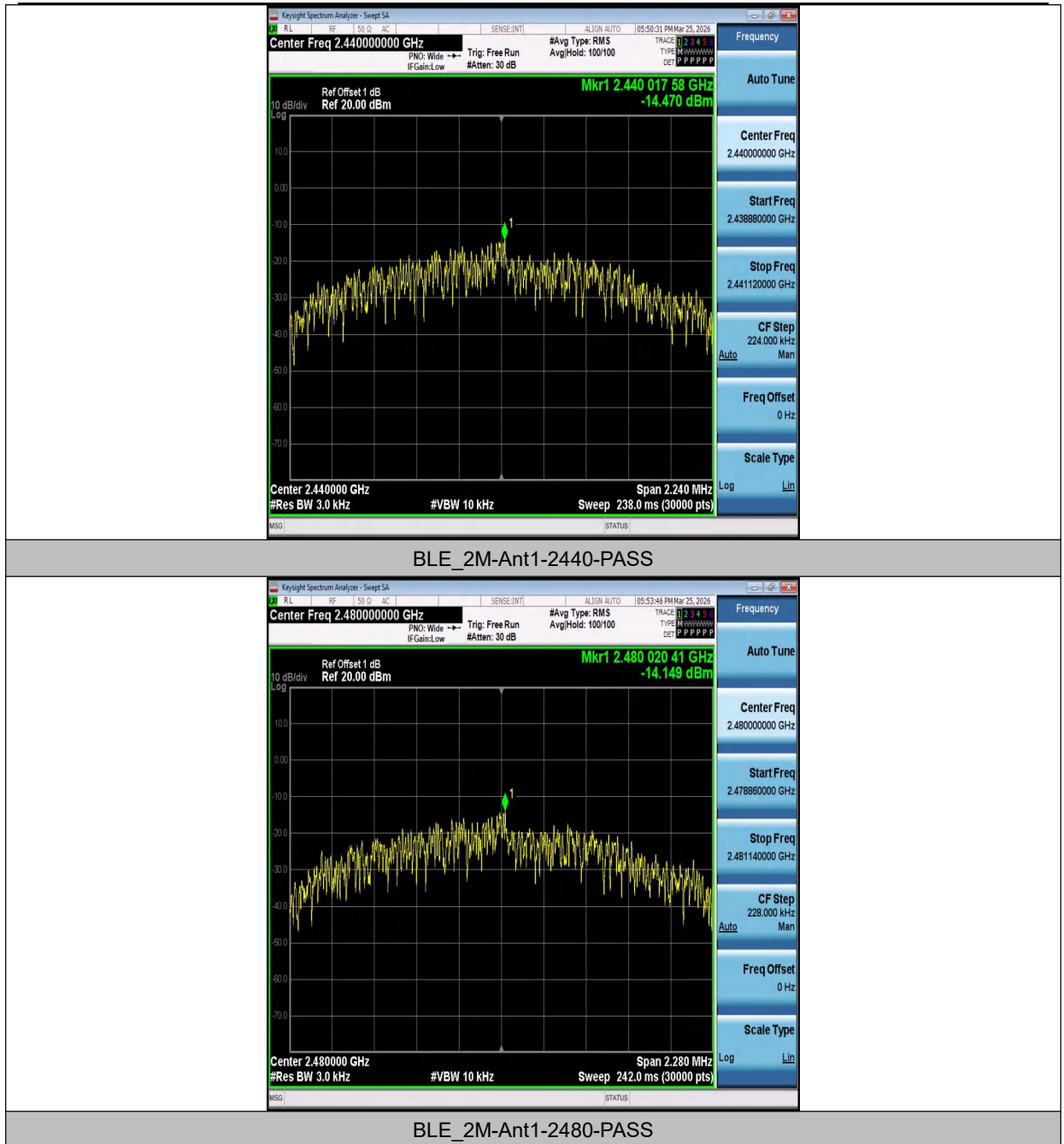
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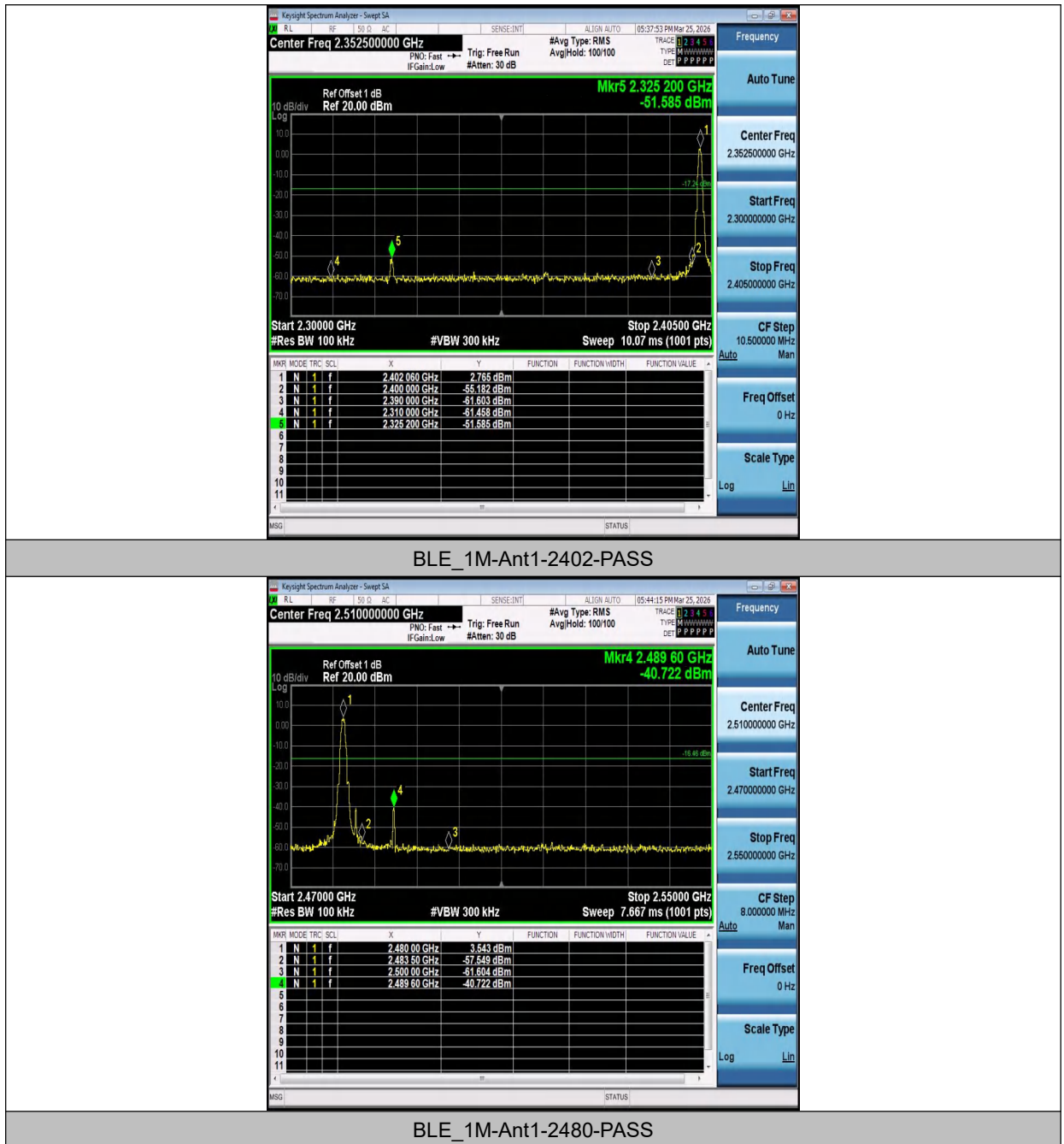
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.77	-51.59	≤-17.24	PASS
BLE_1M	Ant1	High	2480	3.54	-40.72	≤-16.46	PASS
BLE_2M	Ant1	Low	2402	1.74	-29.3	≤-18.26	PASS
BLE_2M	Ant1	High	2480	1.32	-41.01	≤-18.69	PASS

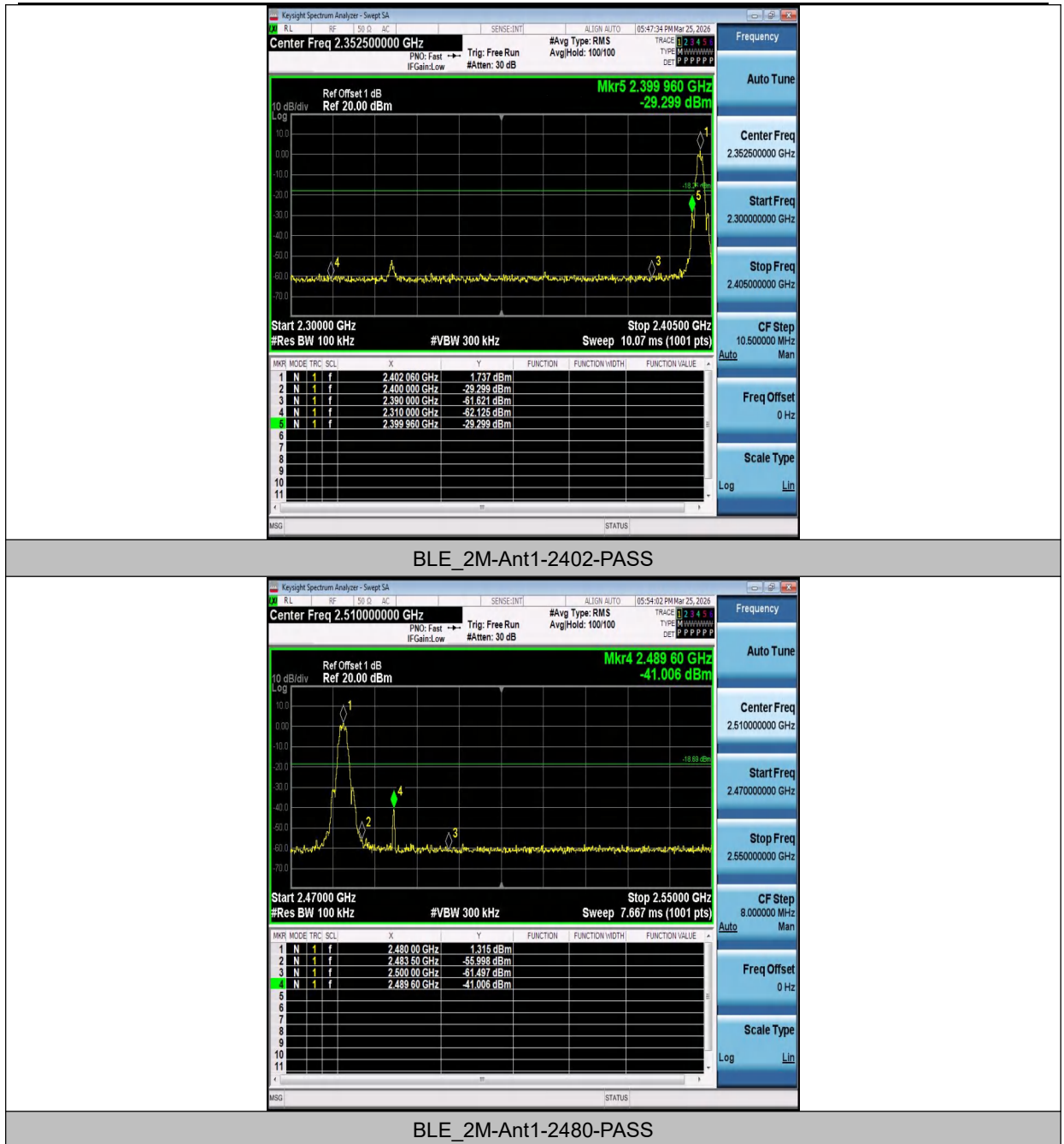
Test Graphs



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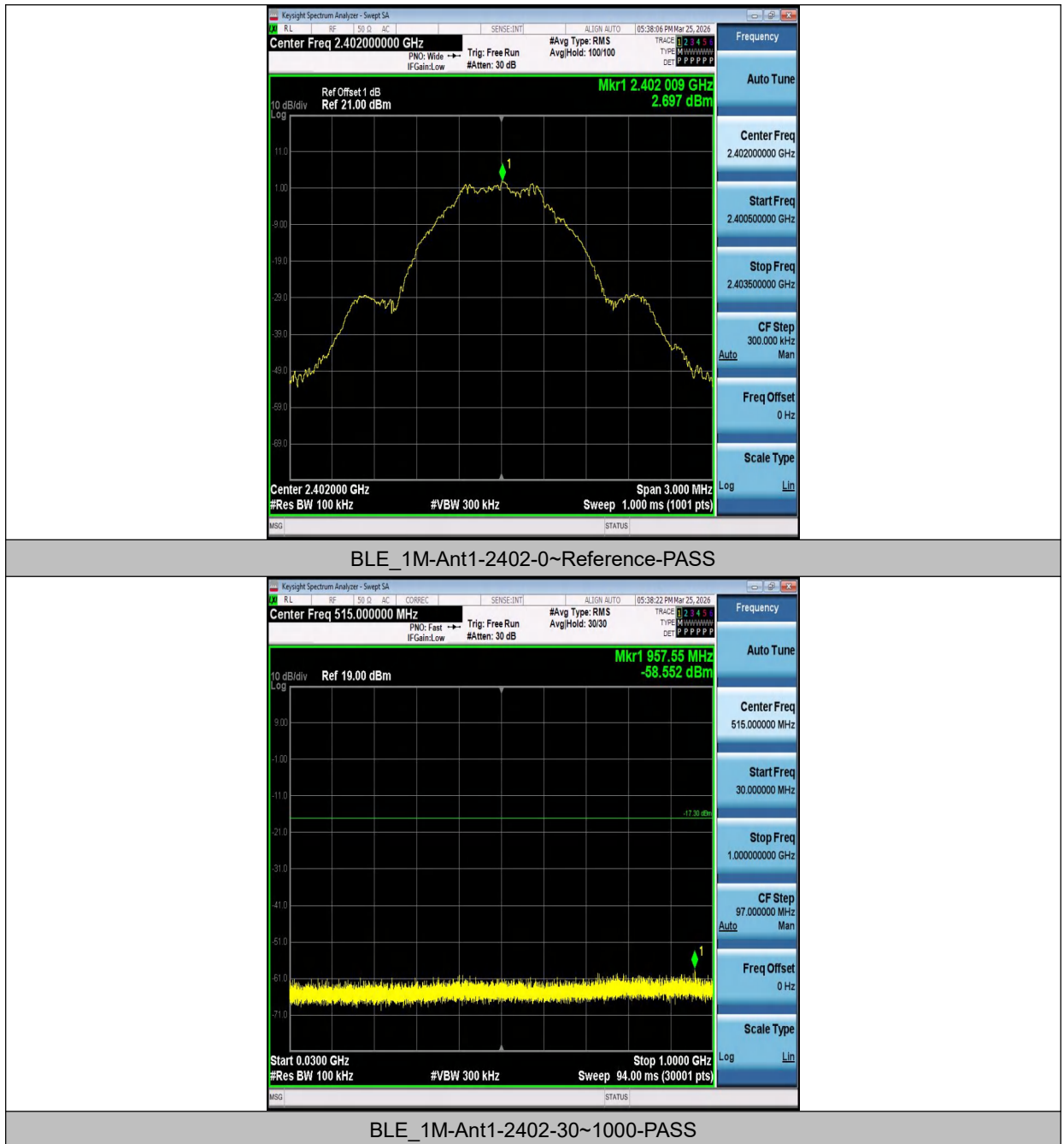
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.70	2.70	---	PASS
BLE_1M	Ant1	2402	30~1000	2.70	-58.55	≤-17.3	PASS
BLE_1M	Ant1	2402	1000~26500	2.70	-48.66	≤-17.3	PASS
BLE_1M	Ant1	2440	0~Reference	3.41	3.41	---	PASS
BLE_1M	Ant1	2440	30~1000	3.41	-58.87	≤-16.59	PASS
BLE_1M	Ant1	2440	1000~26500	3.41	-48.75	≤-16.59	PASS
BLE_1M	Ant1	2480	0~Reference	3.46	3.46	---	PASS
BLE_1M	Ant1	2480	30~1000	3.46	-59.42	≤-16.54	PASS
BLE_1M	Ant1	2480	1000~26500	3.46	-48.5	≤-16.54	PASS
BLE_2M	Ant1	2402	0~Reference	2.77	2.77	---	PASS
BLE_2M	Ant1	2402	30~1000	2.77	-58.86	≤-17.23	PASS
BLE_2M	Ant1	2402	1000~26500	2.77	-48.79	≤-17.23	PASS
BLE_2M	Ant1	2440	0~Reference	3.41	3.41	---	PASS
BLE_2M	Ant1	2440	30~1000	3.41	-59.41	≤-16.59	PASS
BLE_2M	Ant1	2440	1000~26500	3.41	-48.92	≤-16.59	PASS
BLE_2M	Ant1	2480	0~Reference	3.05	3.05	---	PASS
BLE_2M	Ant1	2480	30~1000	3.05	-58.74	≤-16.95	PASS
BLE_2M	Ant1	2480	1000~26500	3.05	-47.82	≤-16.95	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.

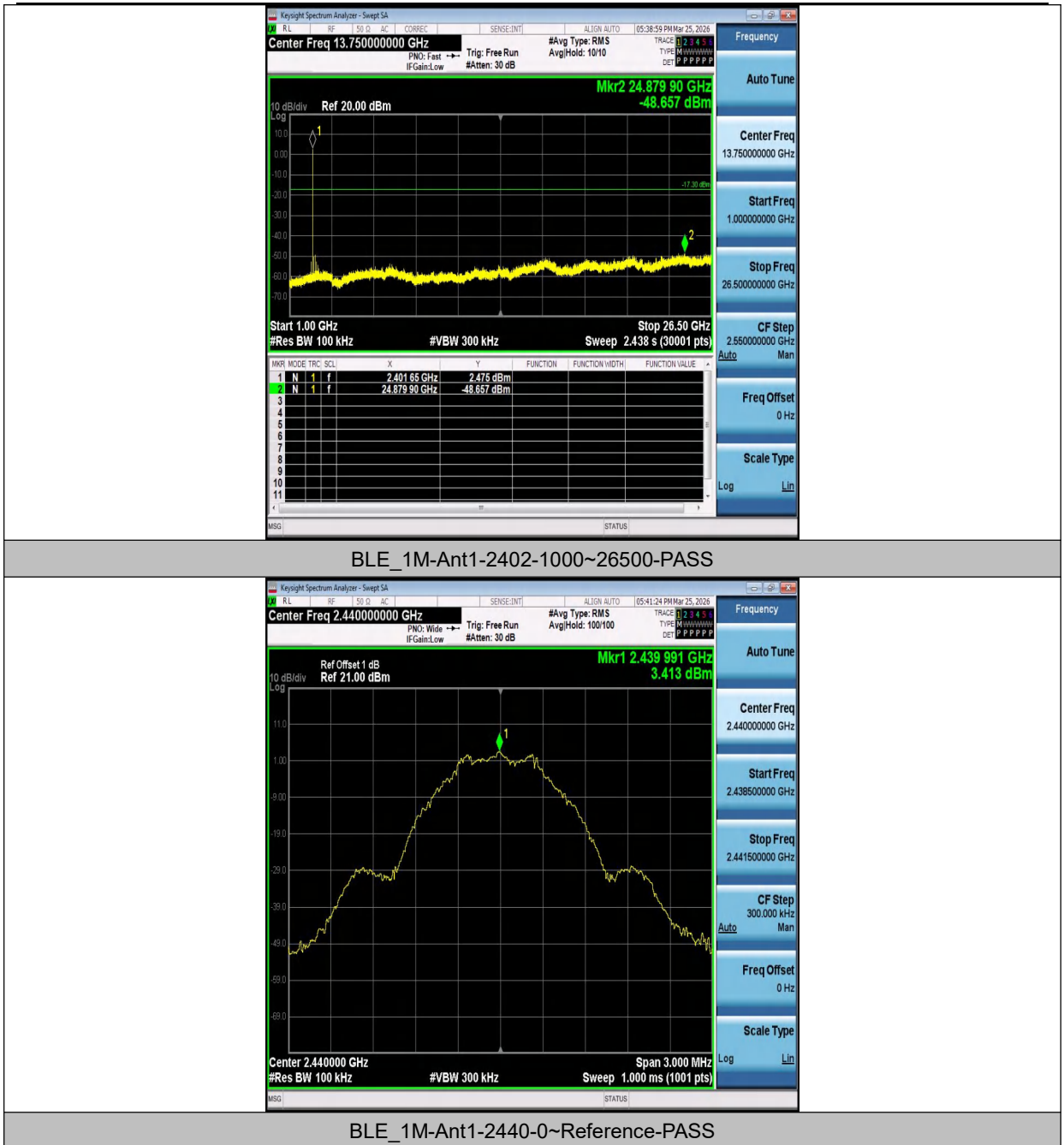
Test Graphs



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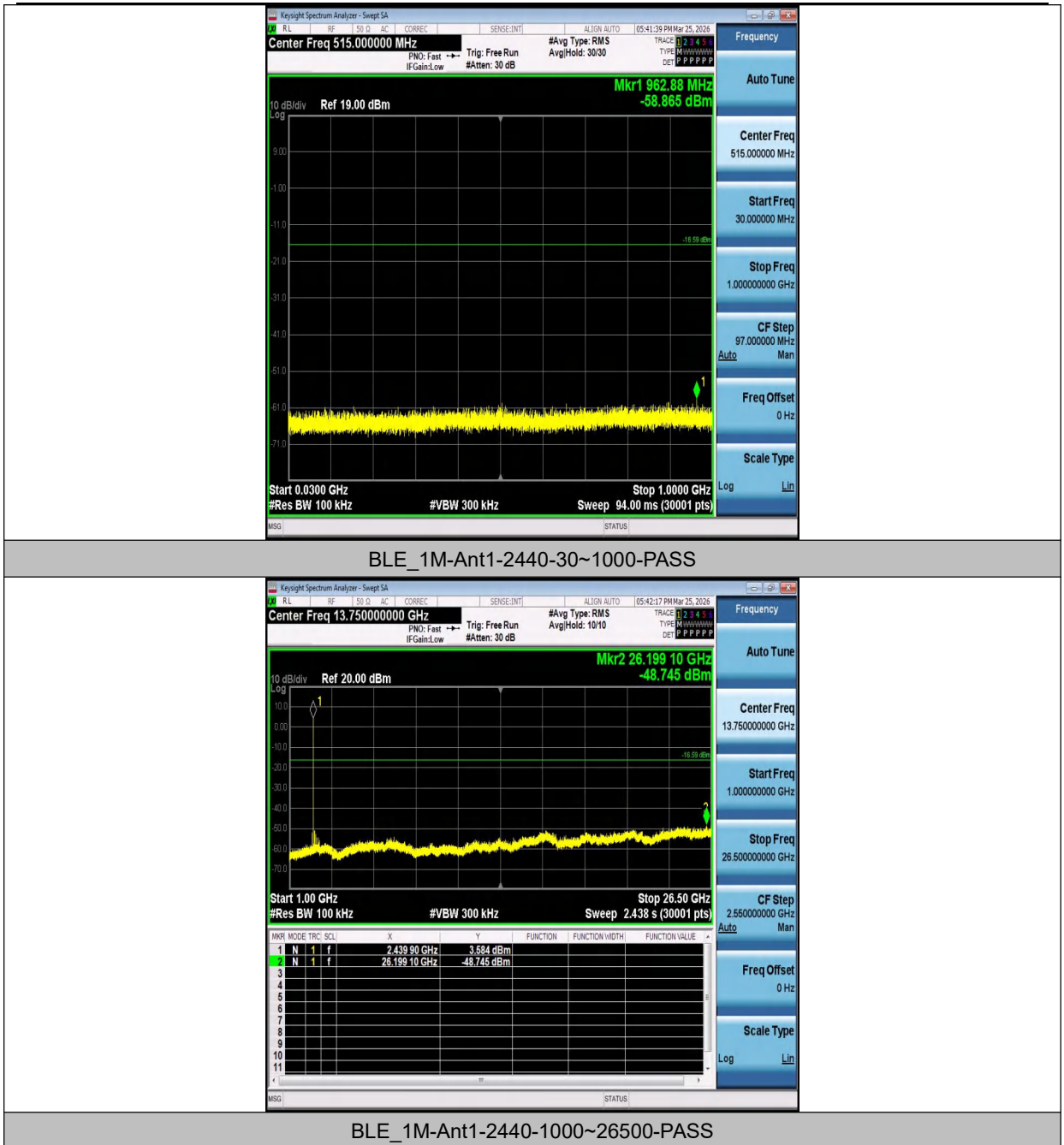
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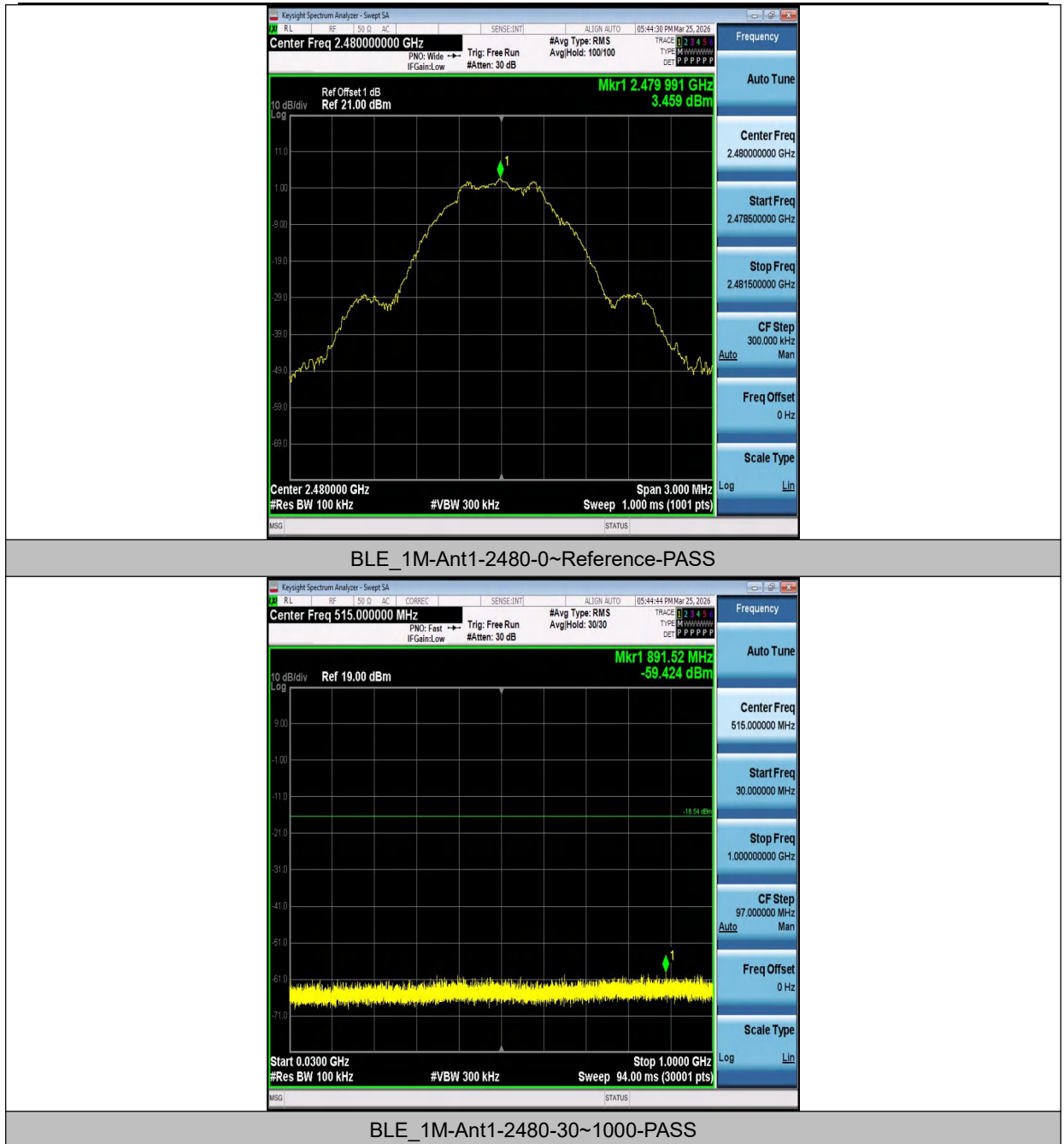
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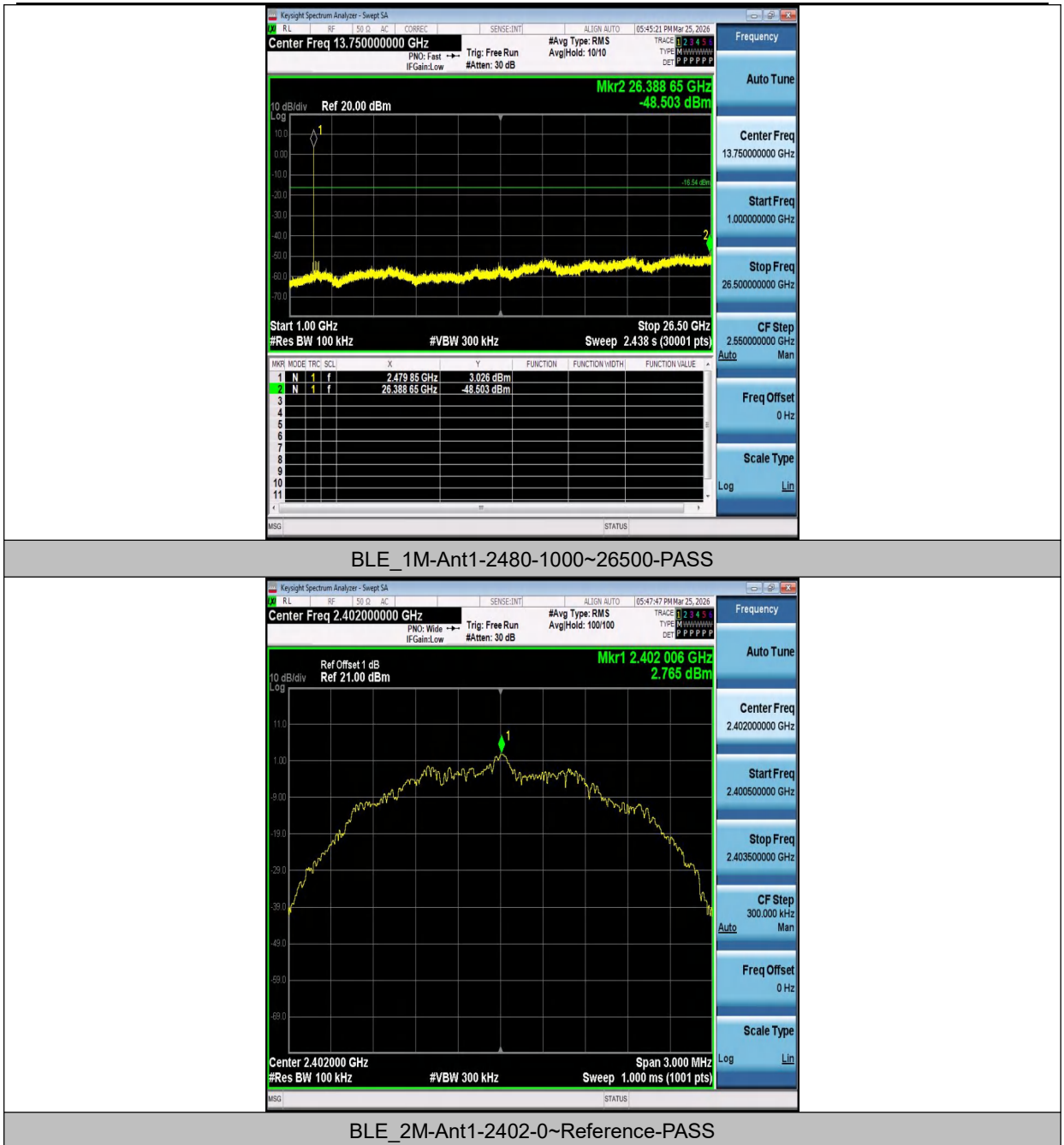
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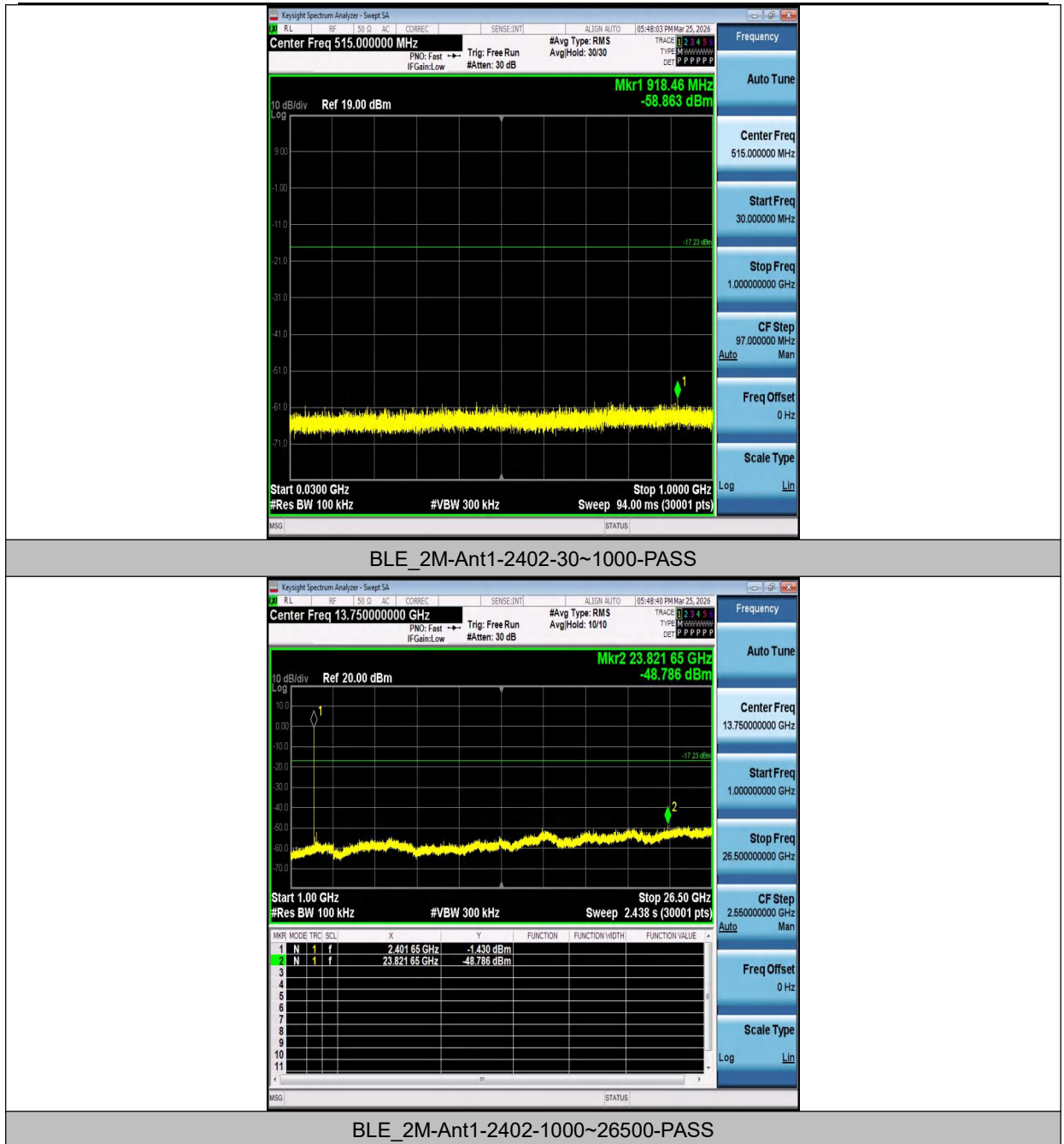
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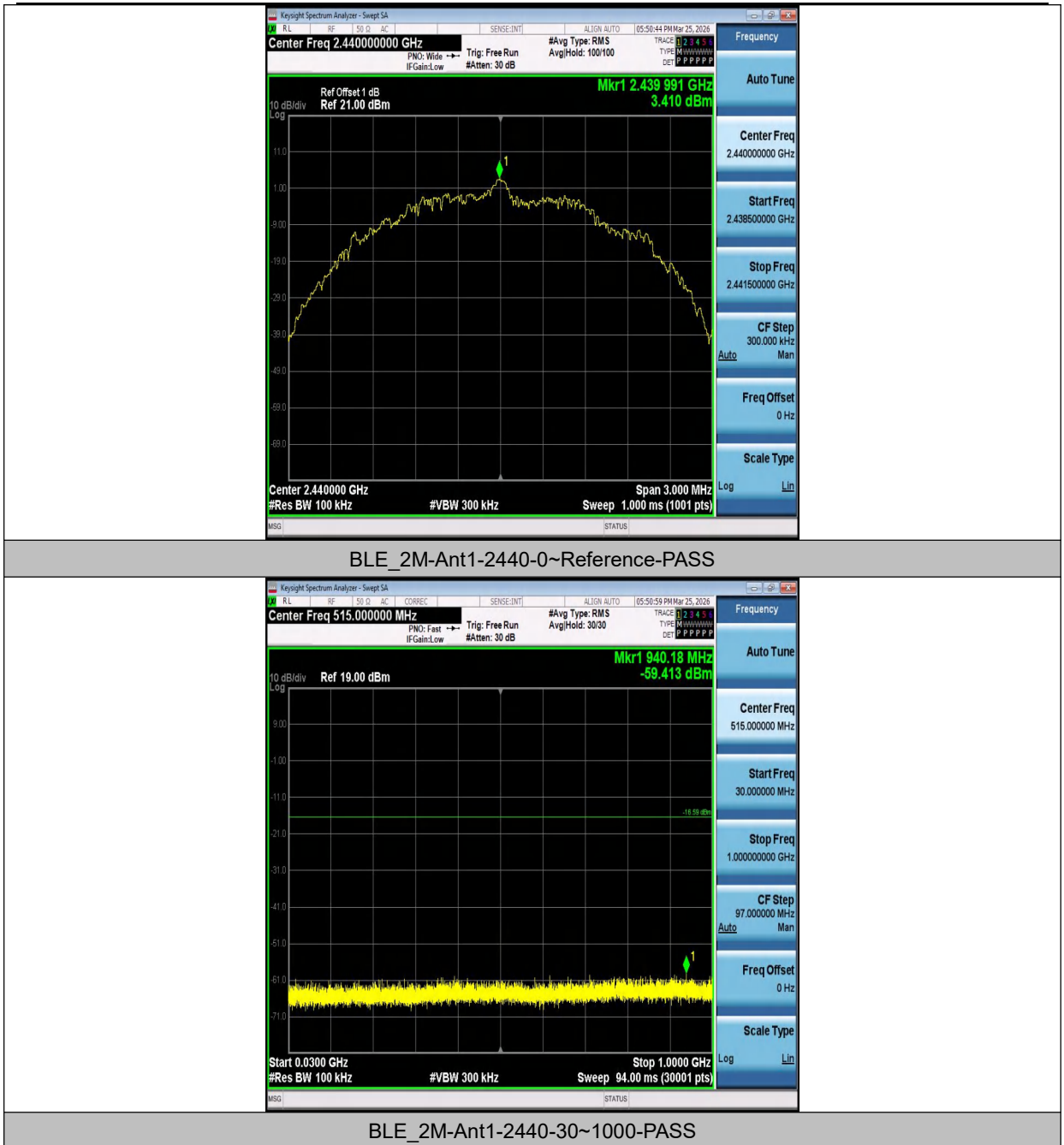
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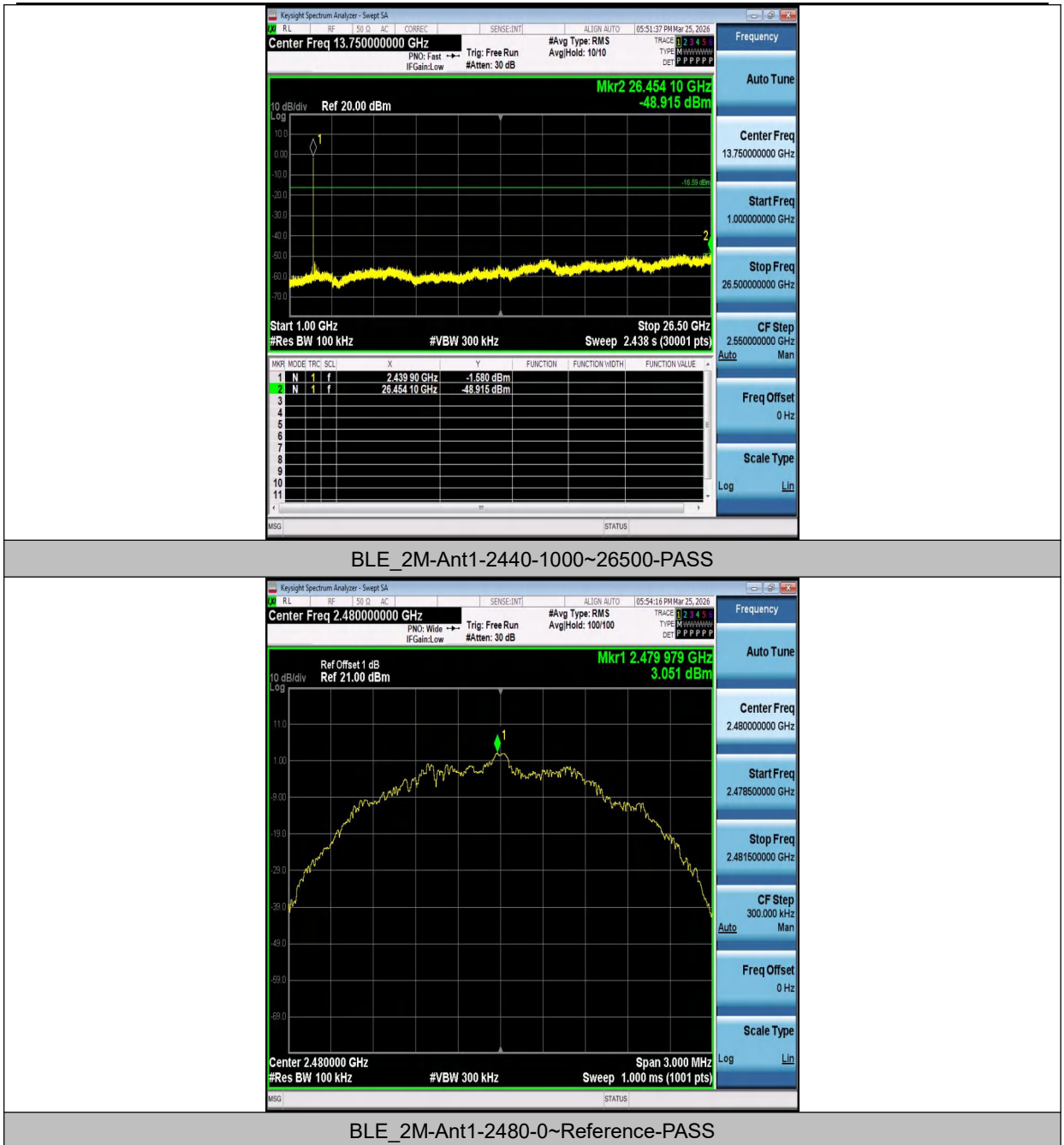
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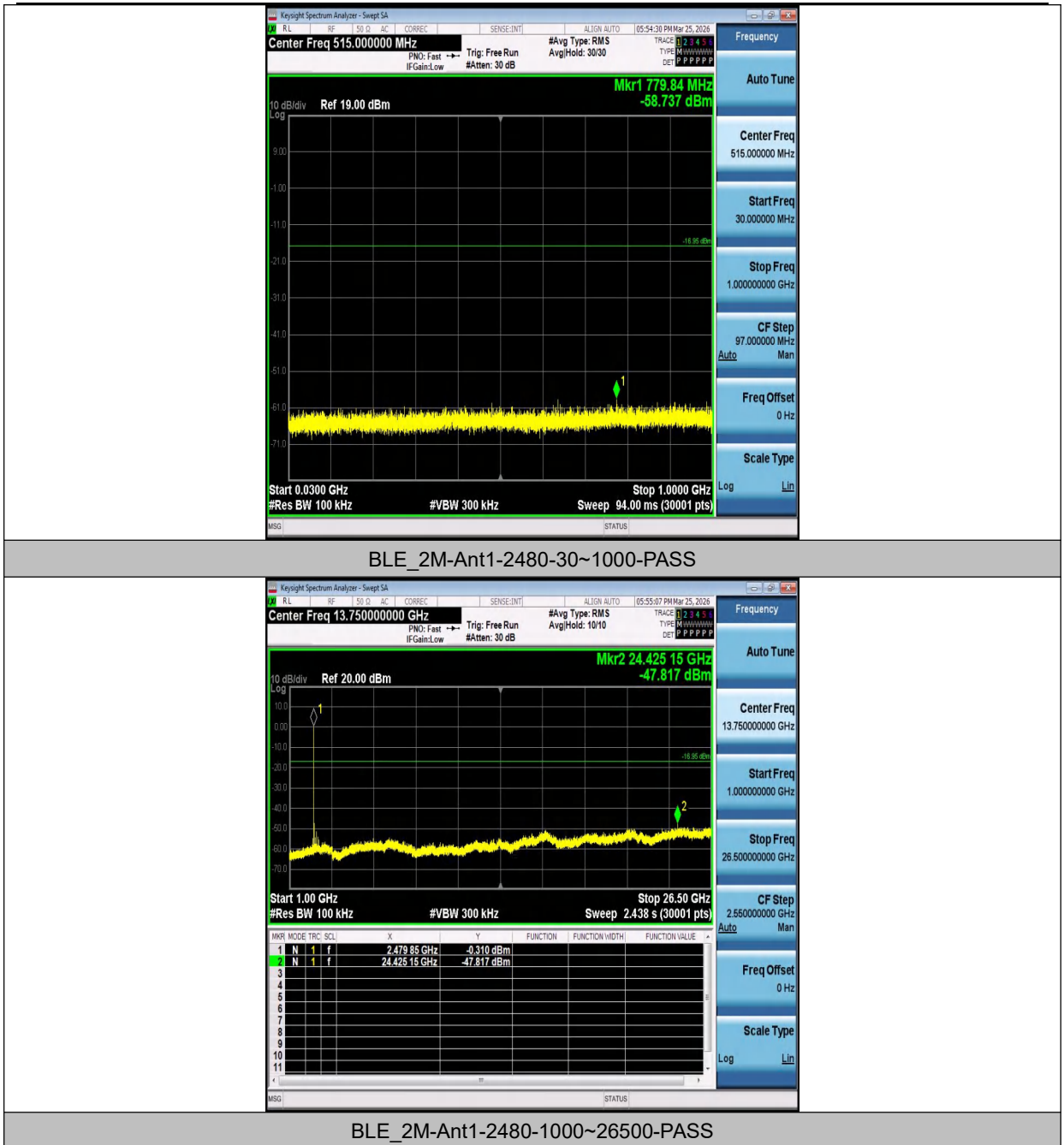
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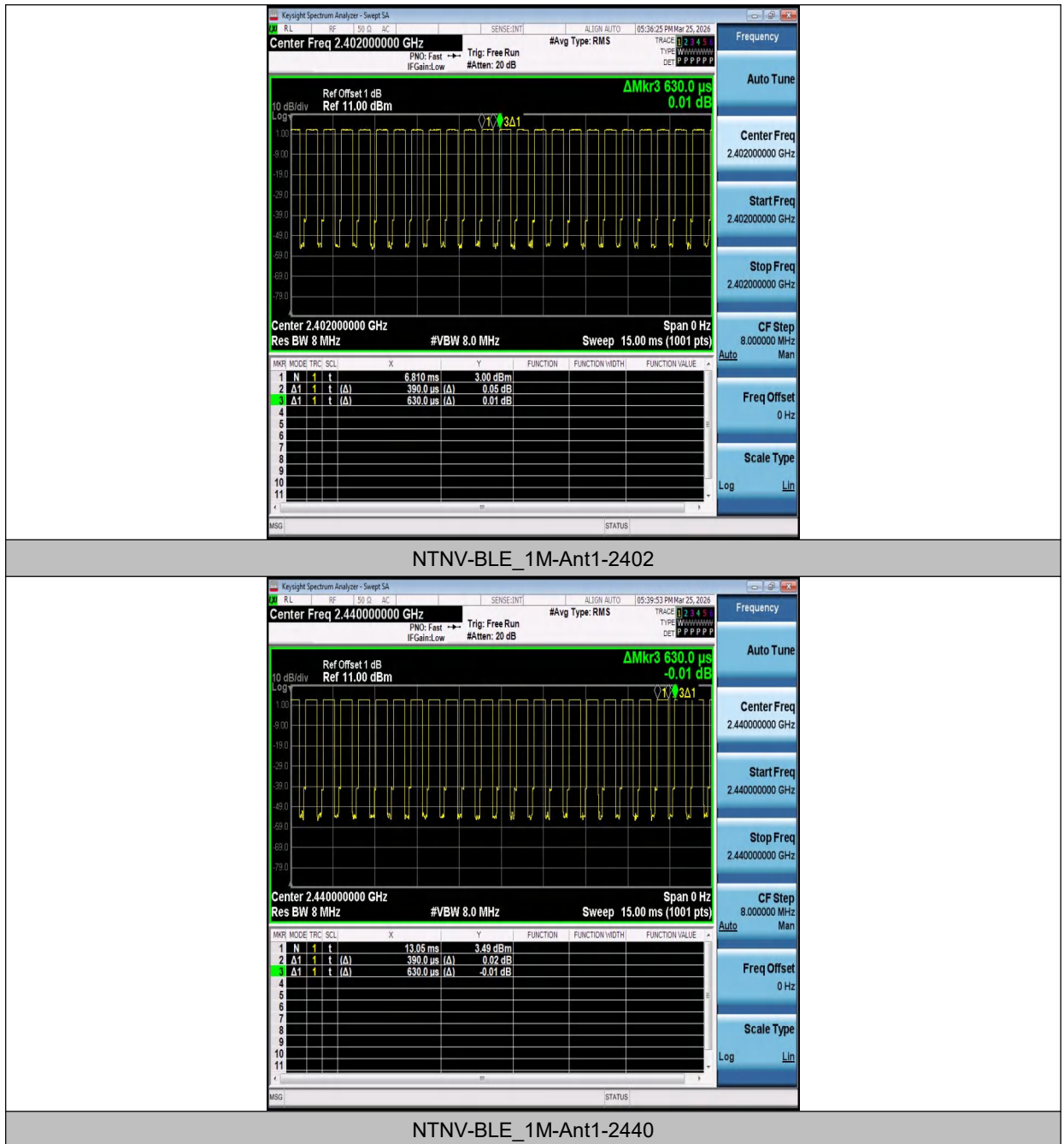
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Appendix G: Duty Cycle

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	0.20	0.62	32.26	4.91

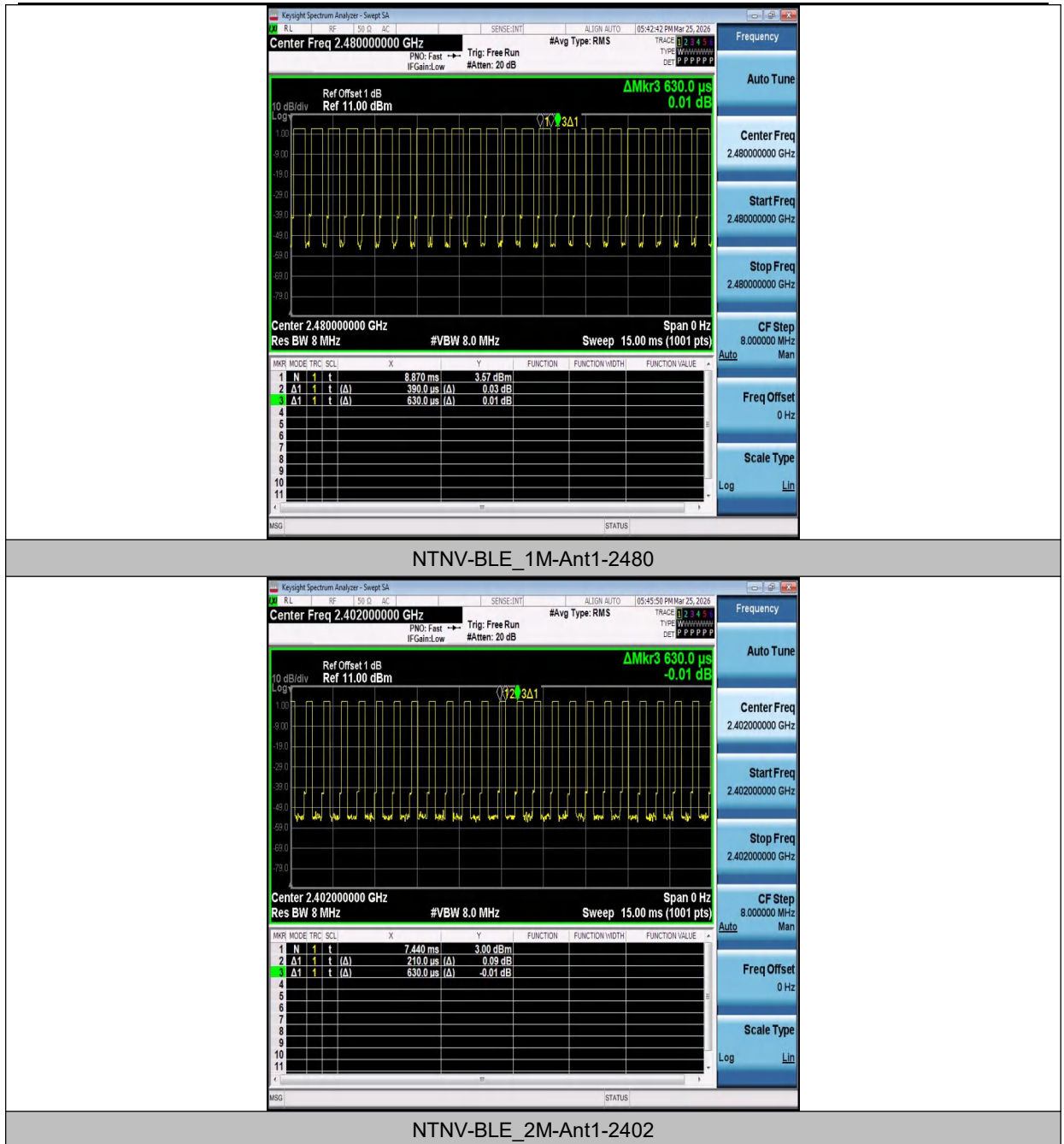
Test Graphs



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