

Appendix Test Data

Report No.:	1821C60017512501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-13	Finish Test Date:	2026-7-16
Test Engineer:	Huysen Guan	Auditor:	Justin Feng
Temperature:	25.3°C	Relative Humidity:	64%
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	0.672	2401.668	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.700	2439.660	2440.360	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.668	2480.340	0.5	PASS
BLE_2M	Ant1	2402	1.452	2401.276	2402.728	0.5	PASS
BLE_2M	Ant1	2440	1.248	2439.440	2440.688	0.5	PASS
BLE_2M	Ant1	2480	1.228	2479.392	2480.620	0.5	PASS

Test Graphs







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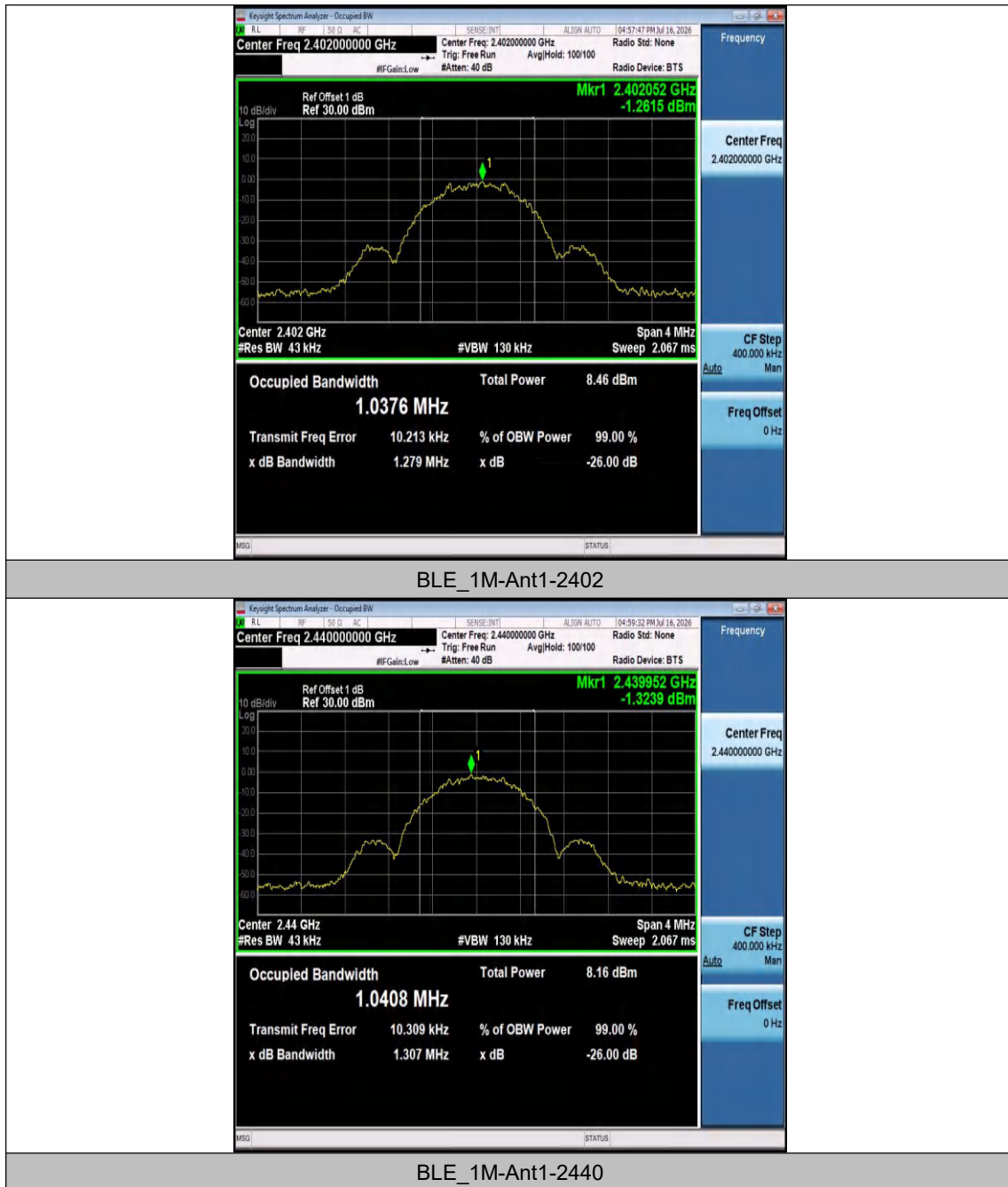
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0376	2401.4914	2402.5290	---	---
BLE_1M	Ant1	2440	1.0408	2439.4899	2440.5307	---	---
BLE_1M	Ant1	2480	1.0368	2479.4830	2480.5198	---	---
BLE_2M	Ant1	2402	2.0347	2400.9874	2403.0221	---	---
BLE_2M	Ant1	2440	2.0288	2438.9990	2441.0278	---	---
BLE_2M	Ant1	2480	2.0634	2478.9750	2481.0384	---	---

Test Graphs



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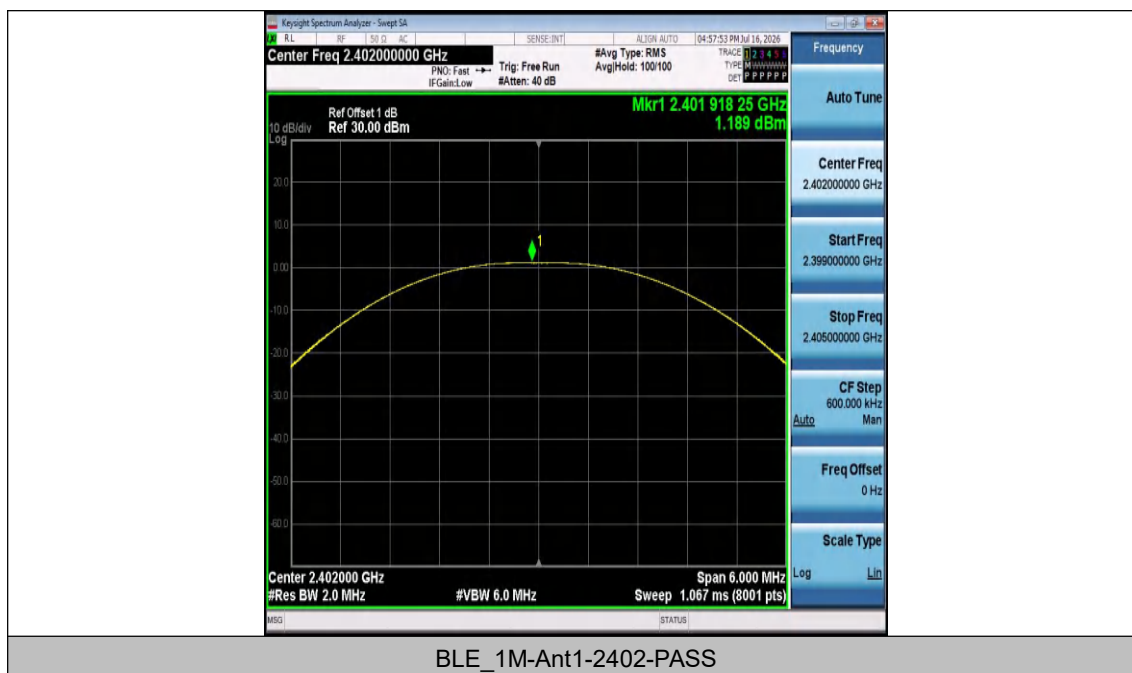
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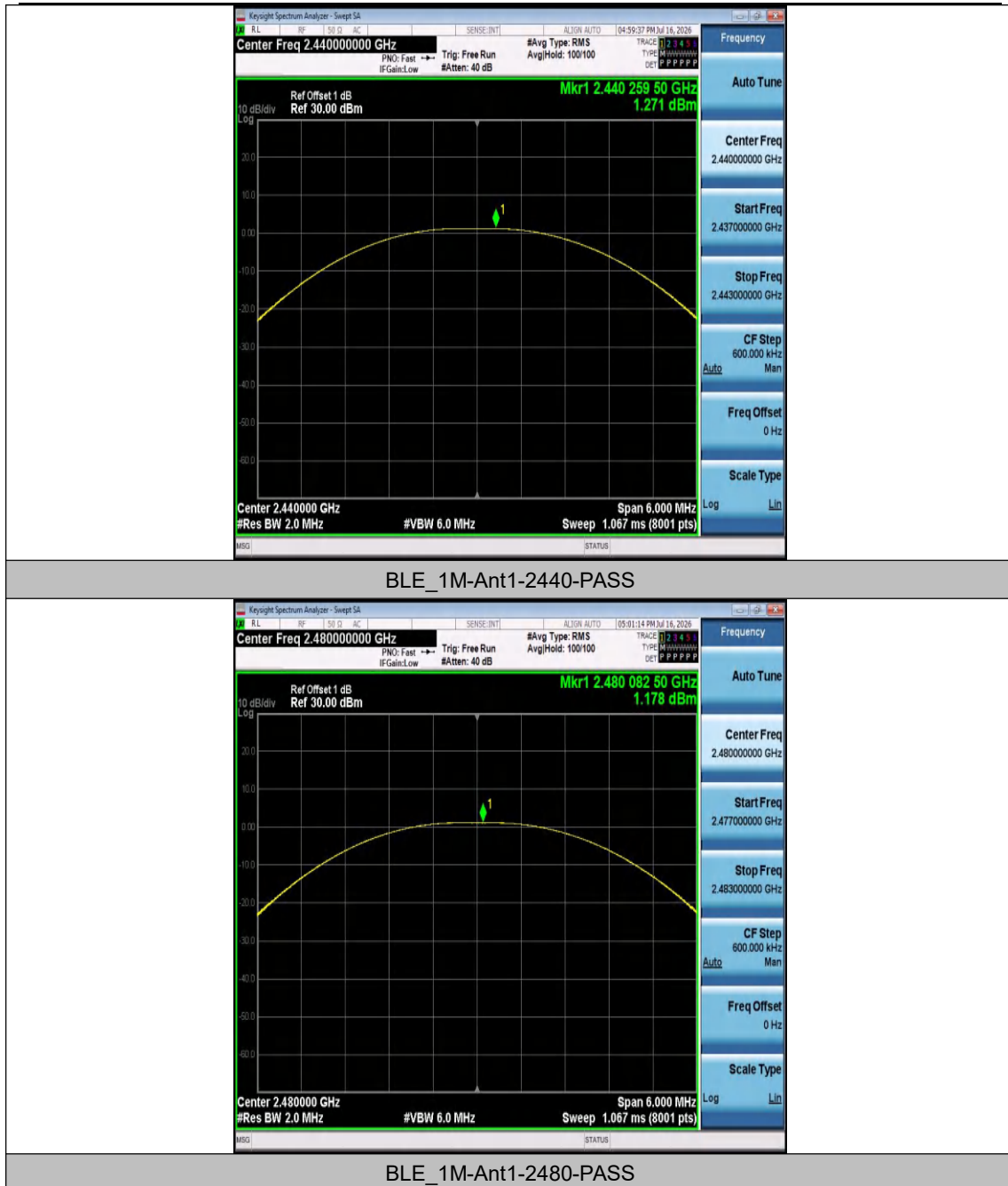
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.19	≤30	PASS
BLE_1M	Ant1	2440	1.27	≤30	PASS
BLE_1M	Ant1	2480	1.18	≤30	PASS
BLE_2M	Ant1	2402	1.17	≤30	PASS
BLE_2M	Ant1	2440	1.29	≤30	PASS
BLE_2M	Ant1	2480	1.19	≤30	PASS

Test Graphs Peak

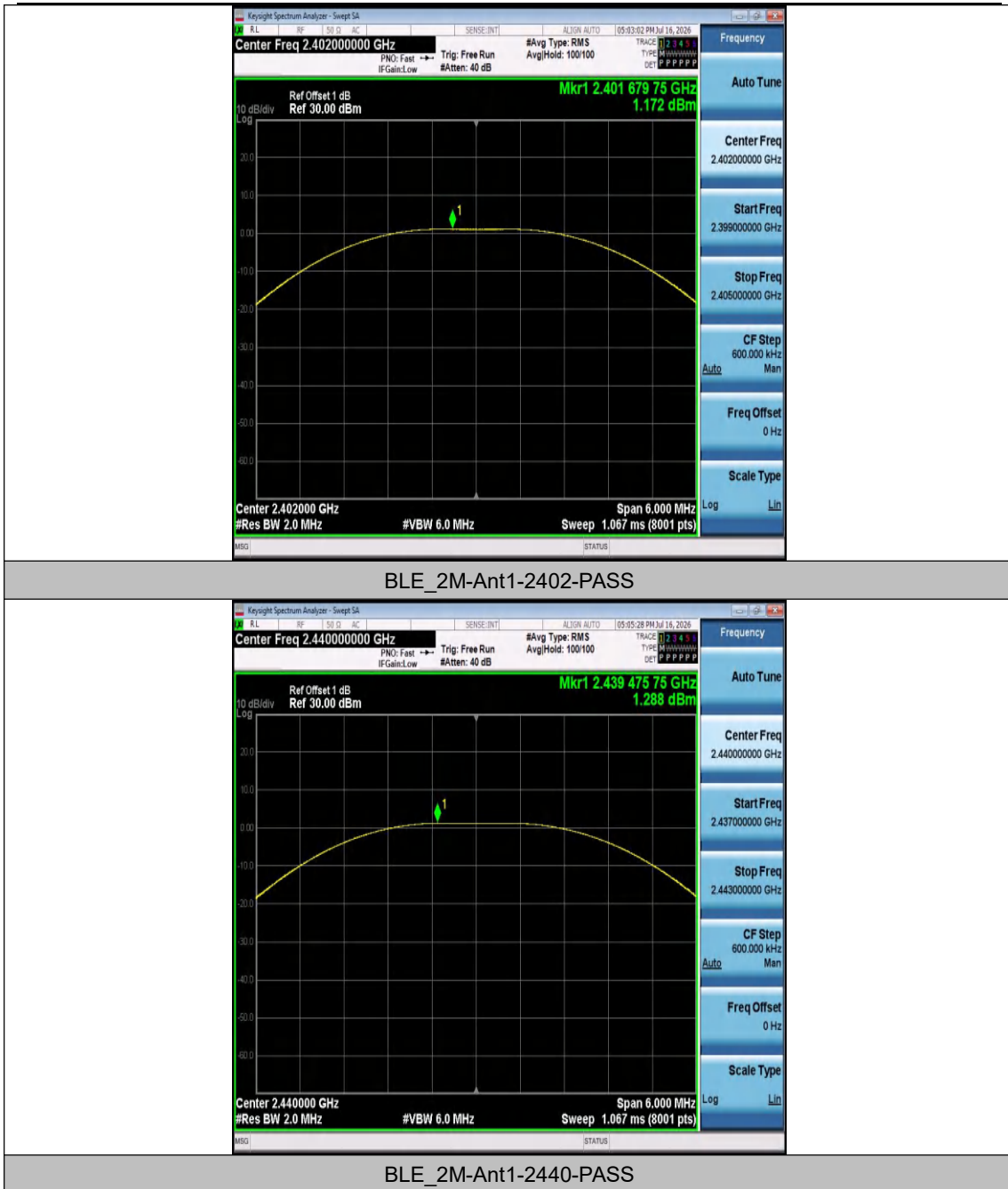




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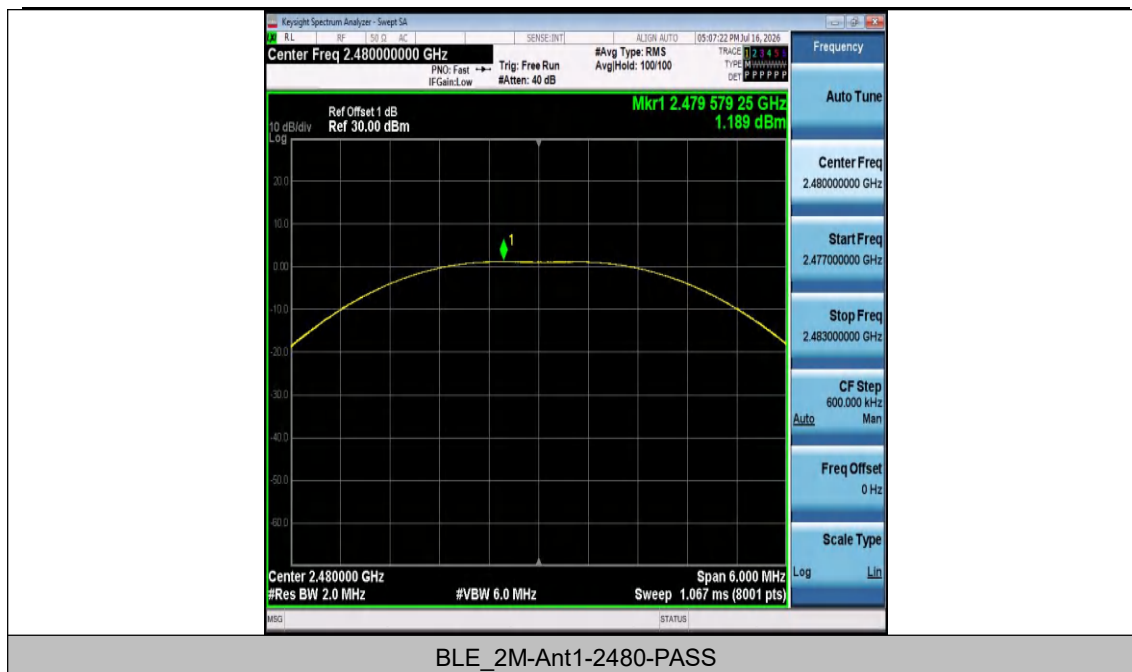
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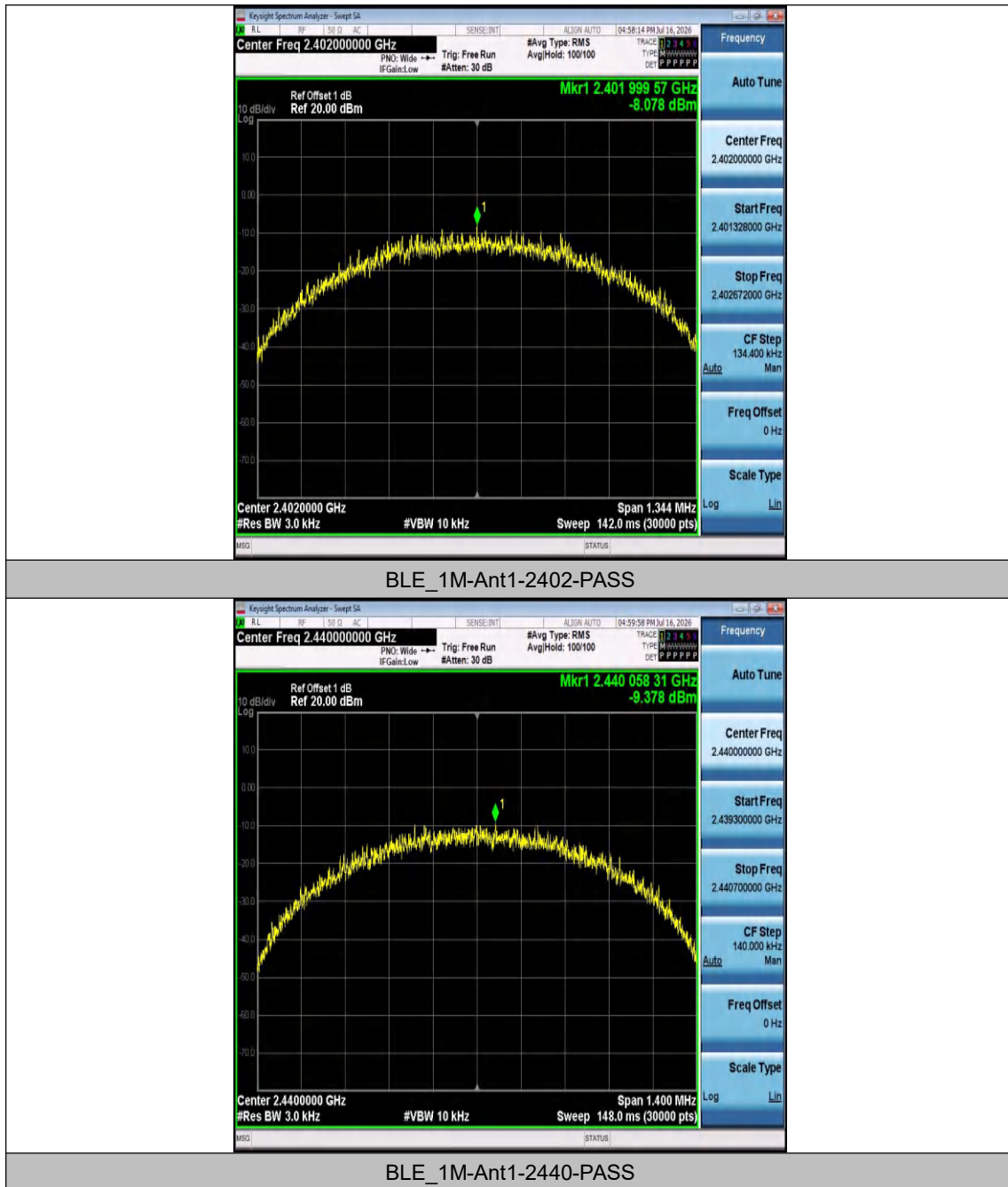
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.08	≤8.00	PASS
BLE_1M	Ant1	2440	-9.38	≤8.00	PASS
BLE_1M	Ant1	2480	-7.67	≤8.00	PASS
BLE_2M	Ant1	2402	-11.54	≤8.00	PASS
BLE_2M	Ant1	2440	-11.76	≤8.00	PASS
BLE_2M	Ant1	2480	-11.13	≤8.00	PASS

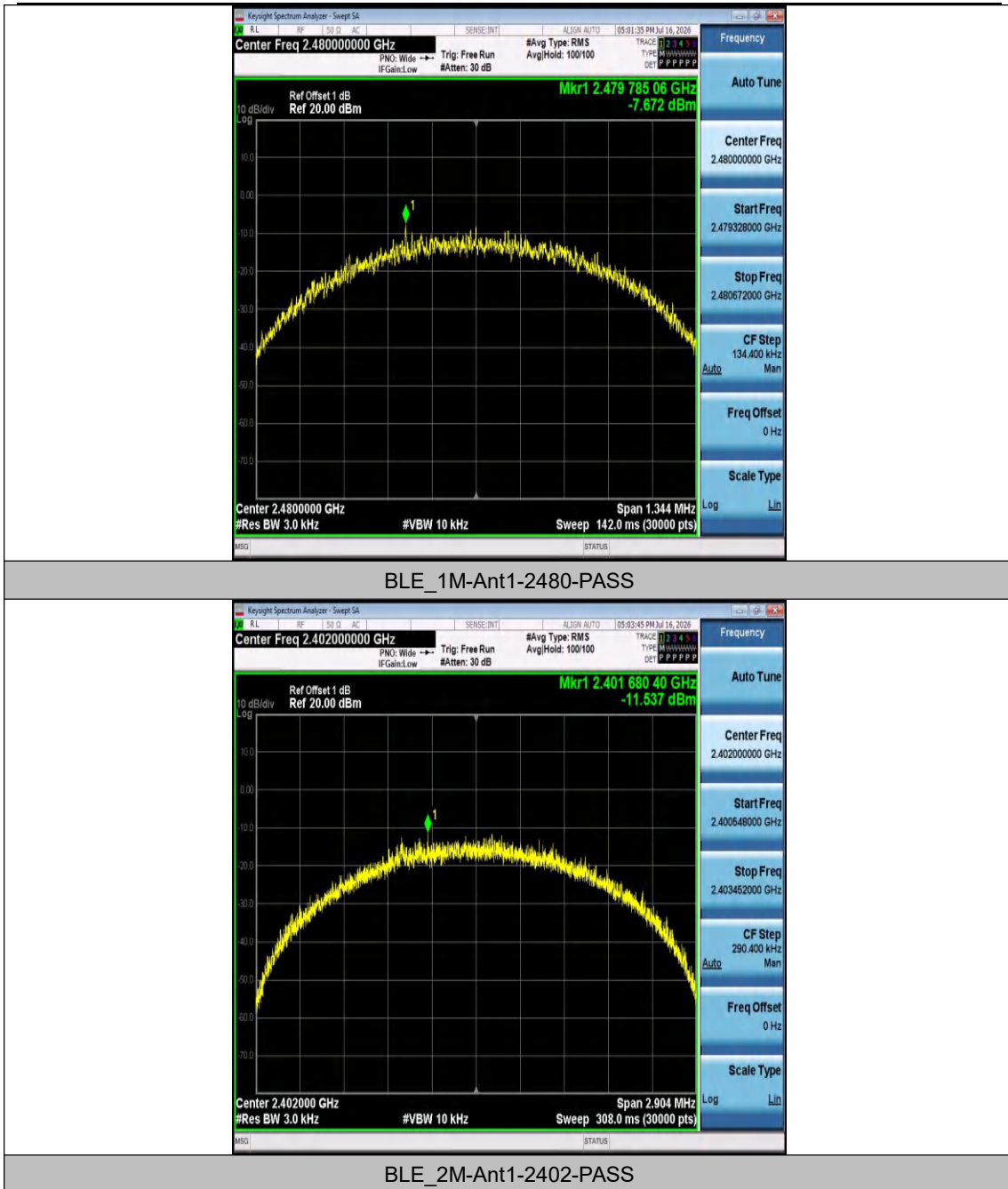
Test Graphs



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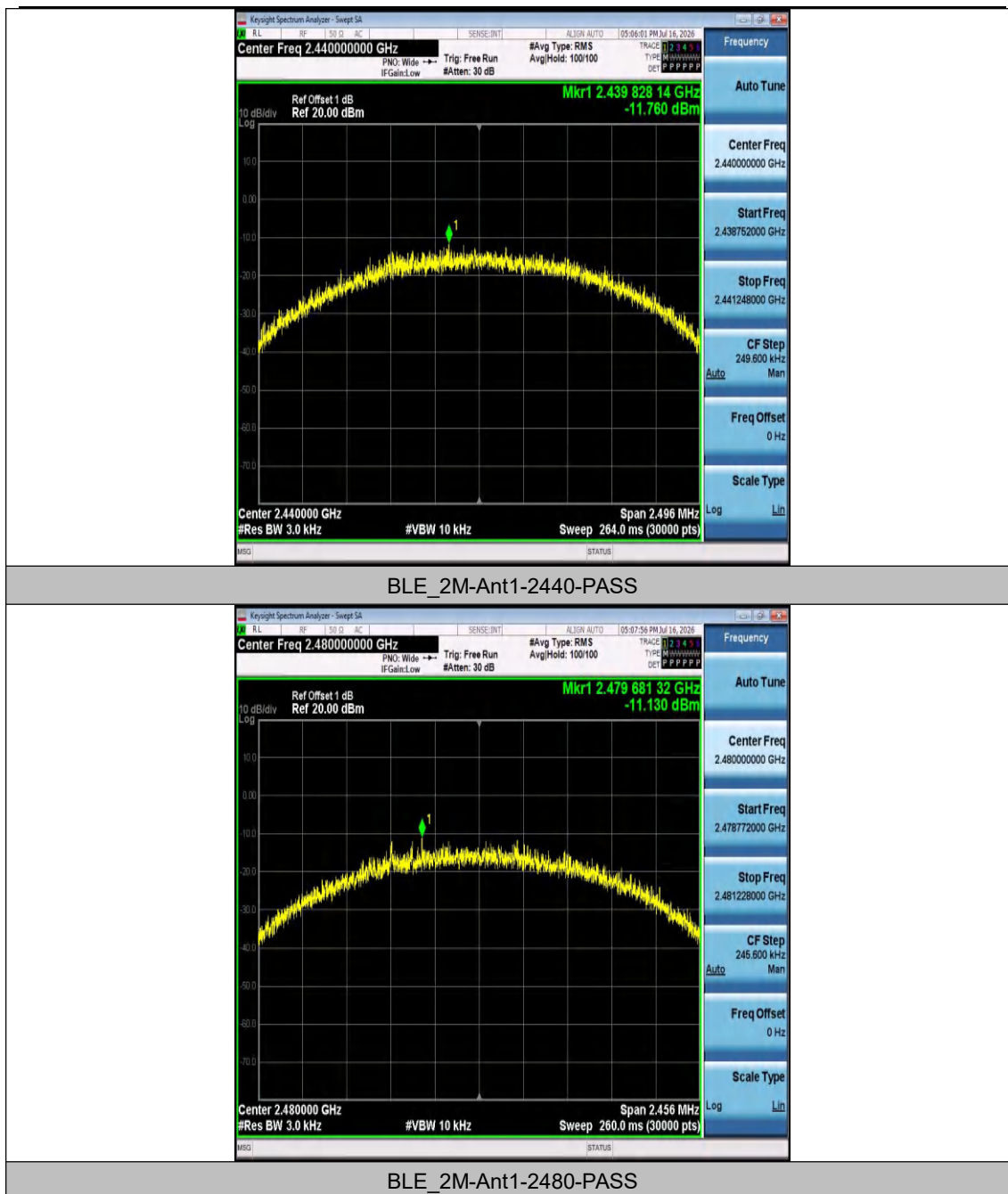
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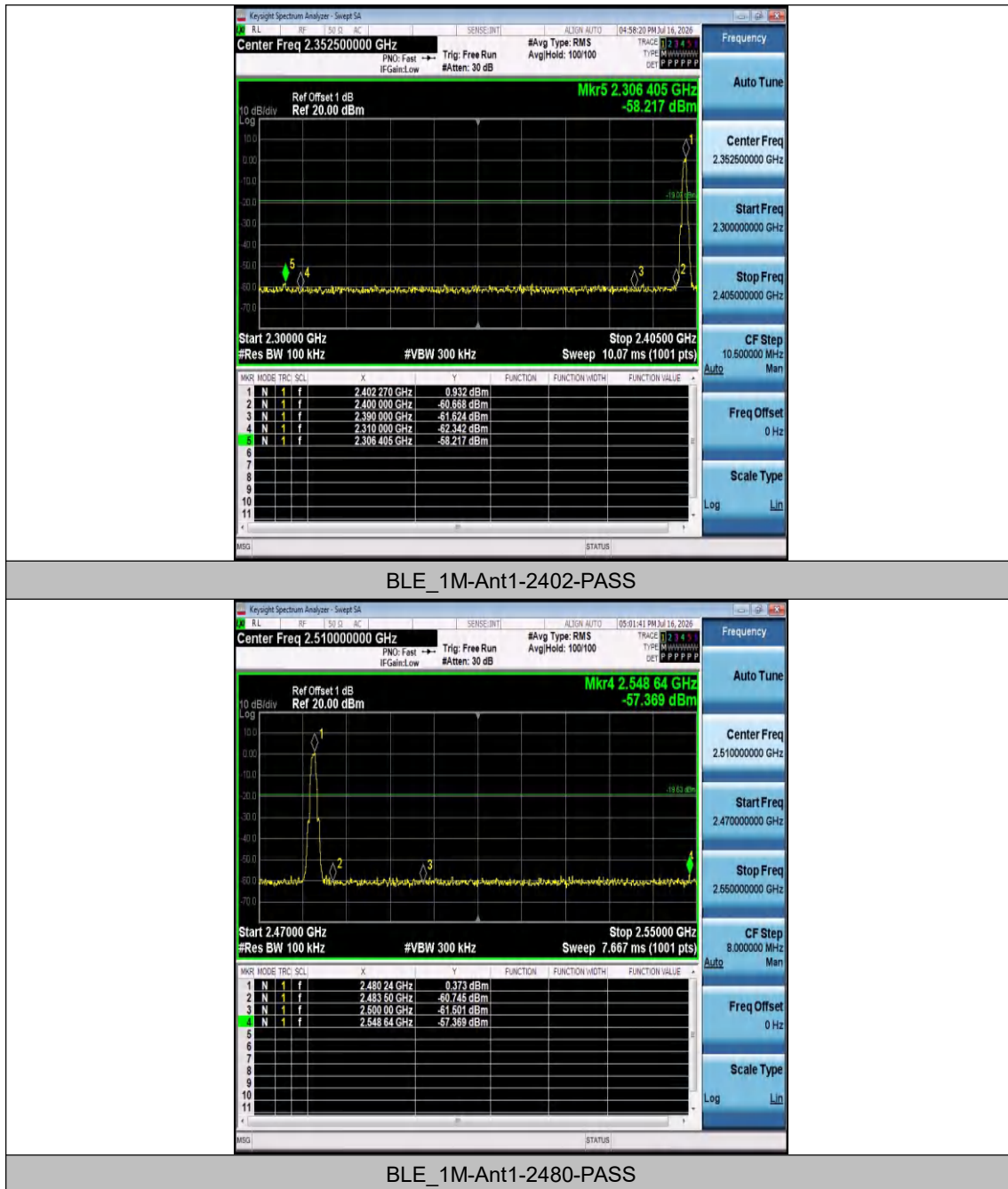
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.93	-58.22	≤-19.07	PASS
BLE_1M	Ant1	High	2480	0.37	-57.37	≤-19.63	PASS
BLE_2M	Ant1	Low	2402	-0.47	-35	≤-20.47	PASS
BLE_2M	Ant1	High	2480	-0.33	-56.8	≤-20.33	PASS

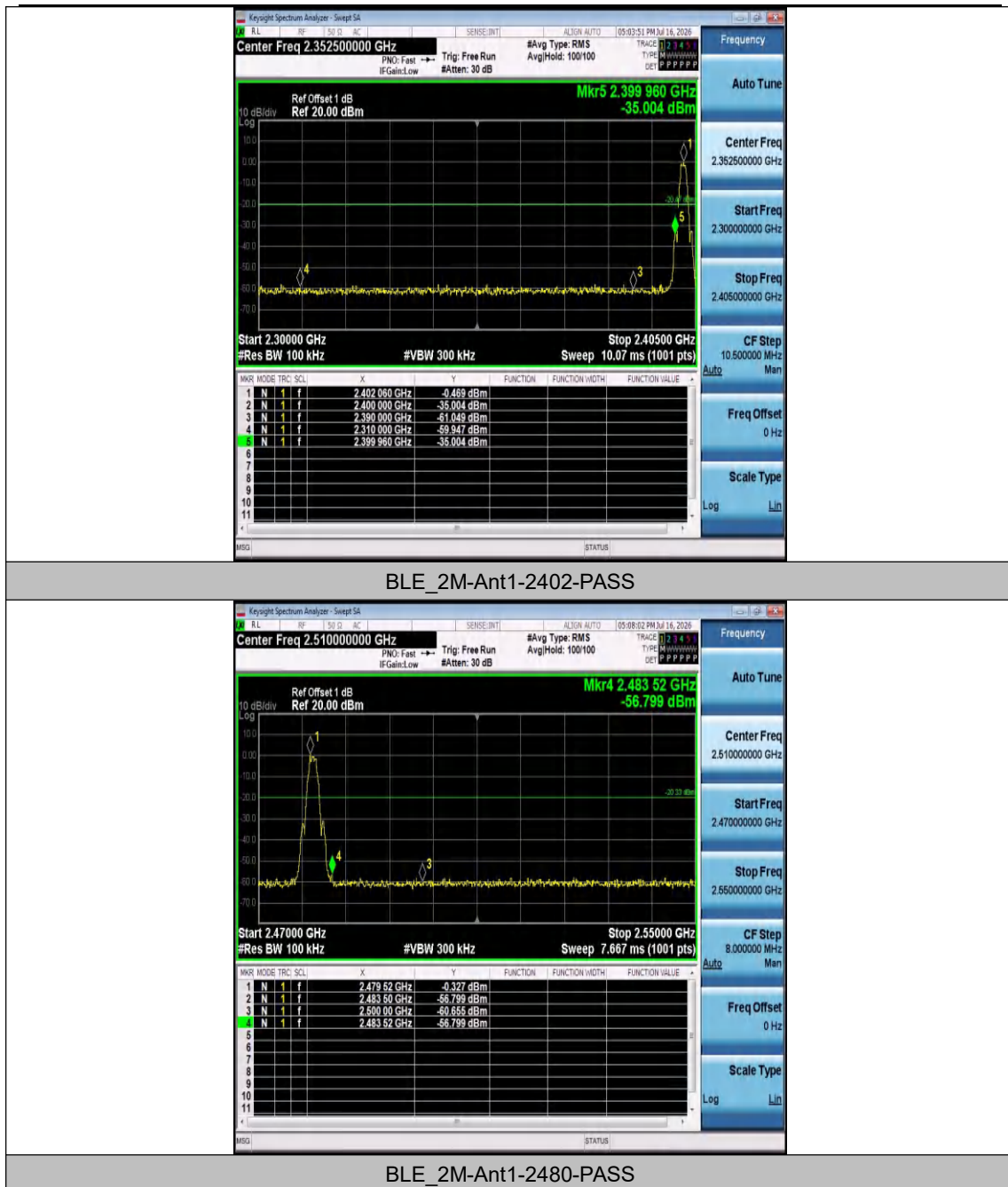
Test Graphs



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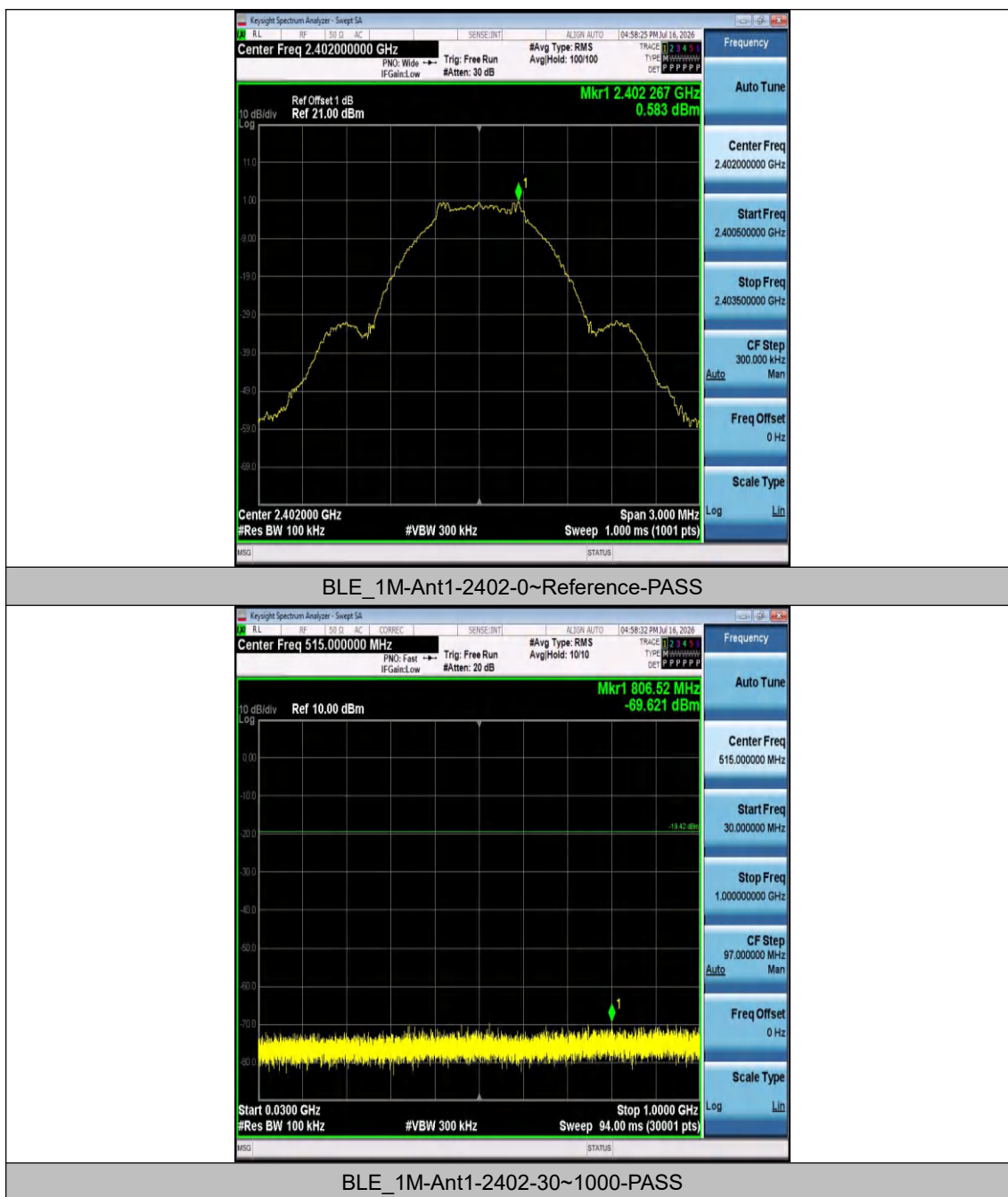
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.58	0.58	---	PASS
BLE_1M	Ant1	2402	30~1000	0.58	-69.62	≤-19.42	PASS
BLE_1M	Ant1	2402	1000~26500	0.58	-39.95	≤-19.42	PASS
BLE_1M	Ant1	2440	0~Reference	0.89	0.89	---	PASS
BLE_1M	Ant1	2440	30~1000	0.89	-69.2	≤-19.11	PASS
BLE_1M	Ant1	2440	1000~26500	0.89	-41.28	≤-19.11	PASS
BLE_1M	Ant1	2480	0~Reference	0.52	0.52	---	PASS
BLE_1M	Ant1	2480	30~1000	0.52	-69.01	≤-19.48	PASS
BLE_1M	Ant1	2480	1000~26500	0.52	-40.64	≤-19.48	PASS
BLE_2M	Ant1	2402	0~Reference	-1.27	-1.27	---	PASS
BLE_2M	Ant1	2402	30~1000	-1.27	-69.96	≤-21.27	PASS
BLE_2M	Ant1	2402	1000~26500	-1.27	-41.37	≤-21.27	PASS
BLE_2M	Ant1	2440	0~Reference	-0.96	-0.96	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.96	-69.36	≤-20.96	PASS
BLE_2M	Ant1	2440	1000~26500	-0.96	-41.14	≤-20.96	PASS
BLE_2M	Ant1	2480	0~Reference	-0.93	-0.93	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.93	-69.14	≤-20.93	PASS
BLE_2M	Ant1	2480	1000~26500	-0.93	-40.35	≤-20.93	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.

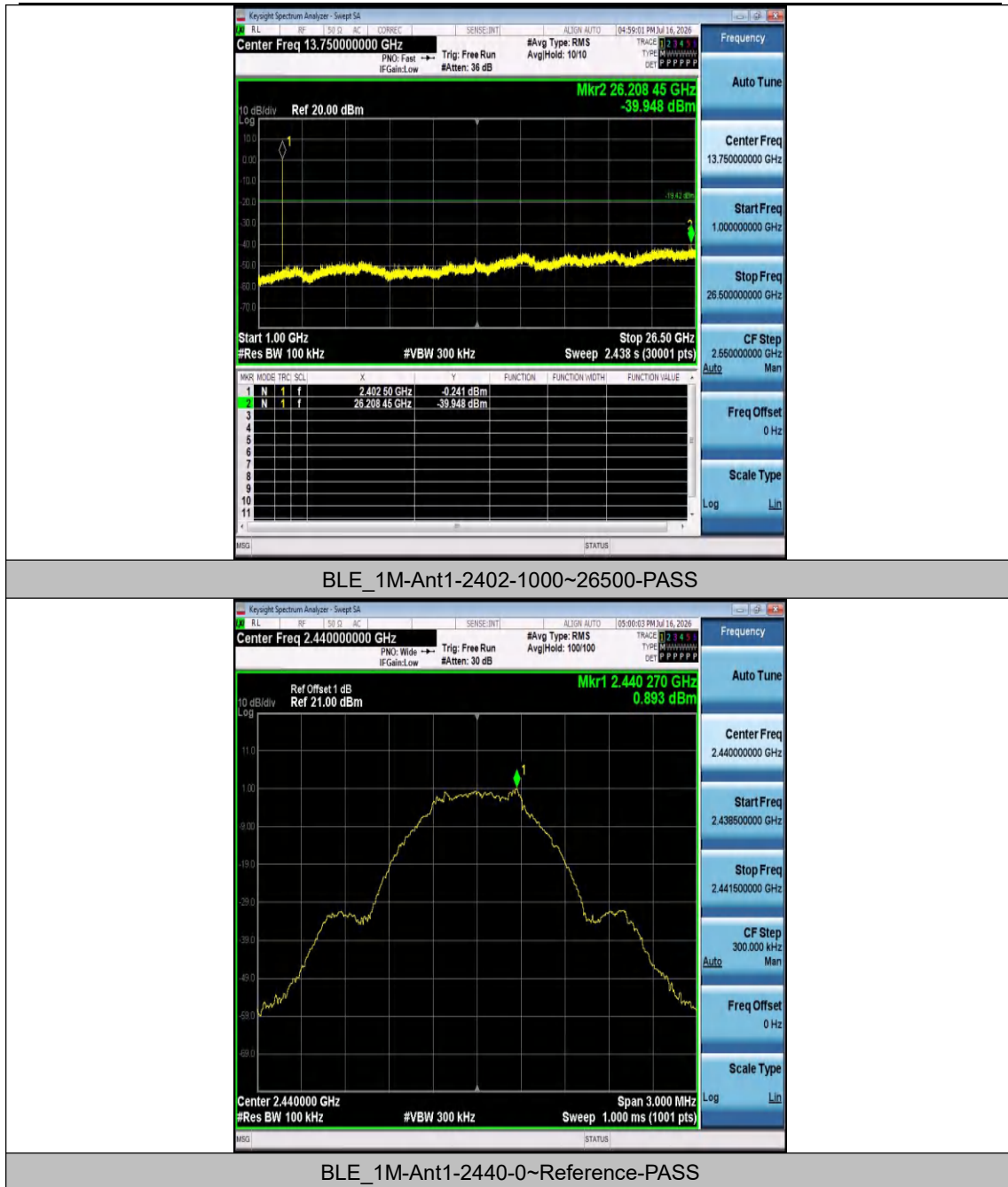
Test Graphs



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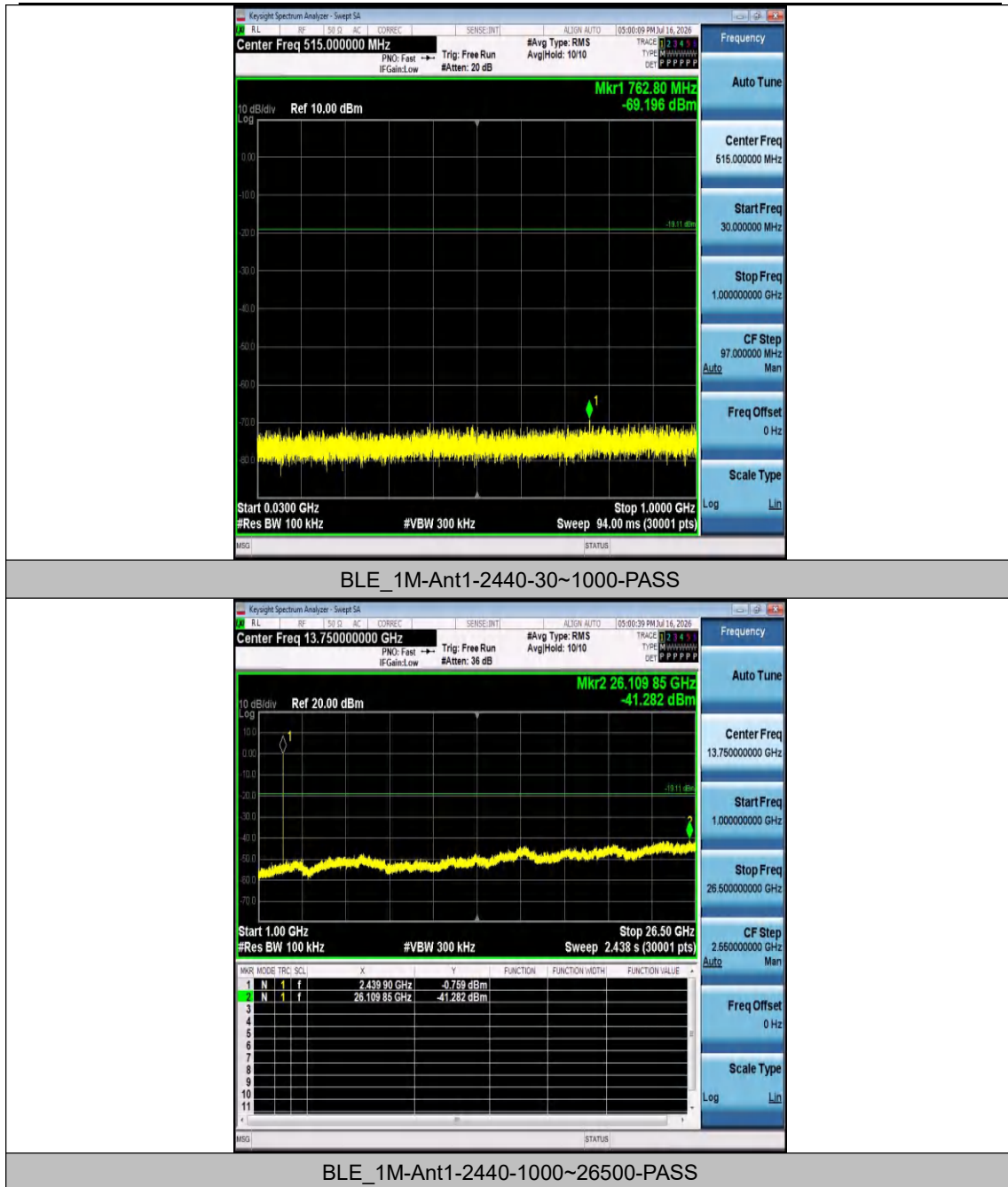
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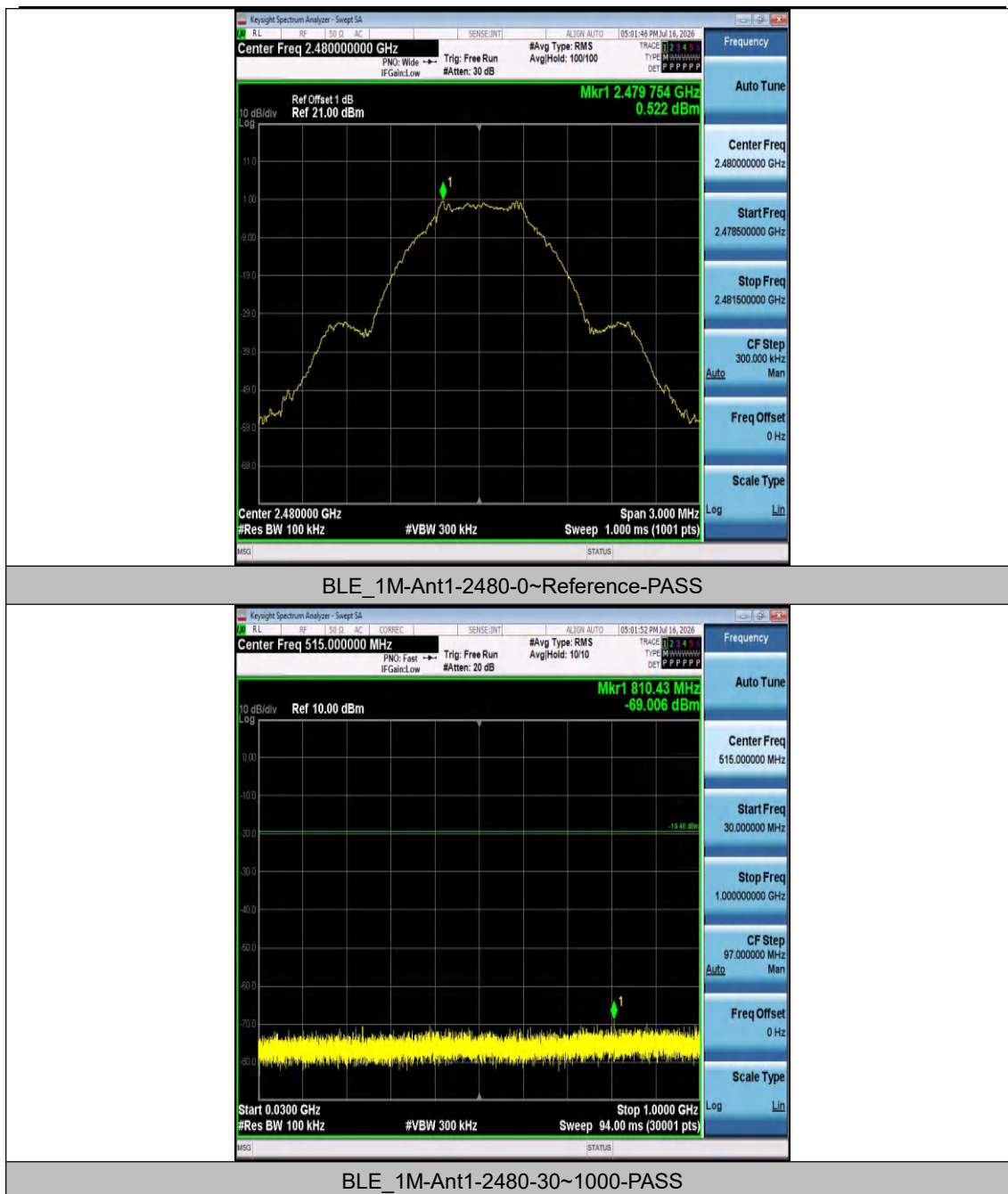
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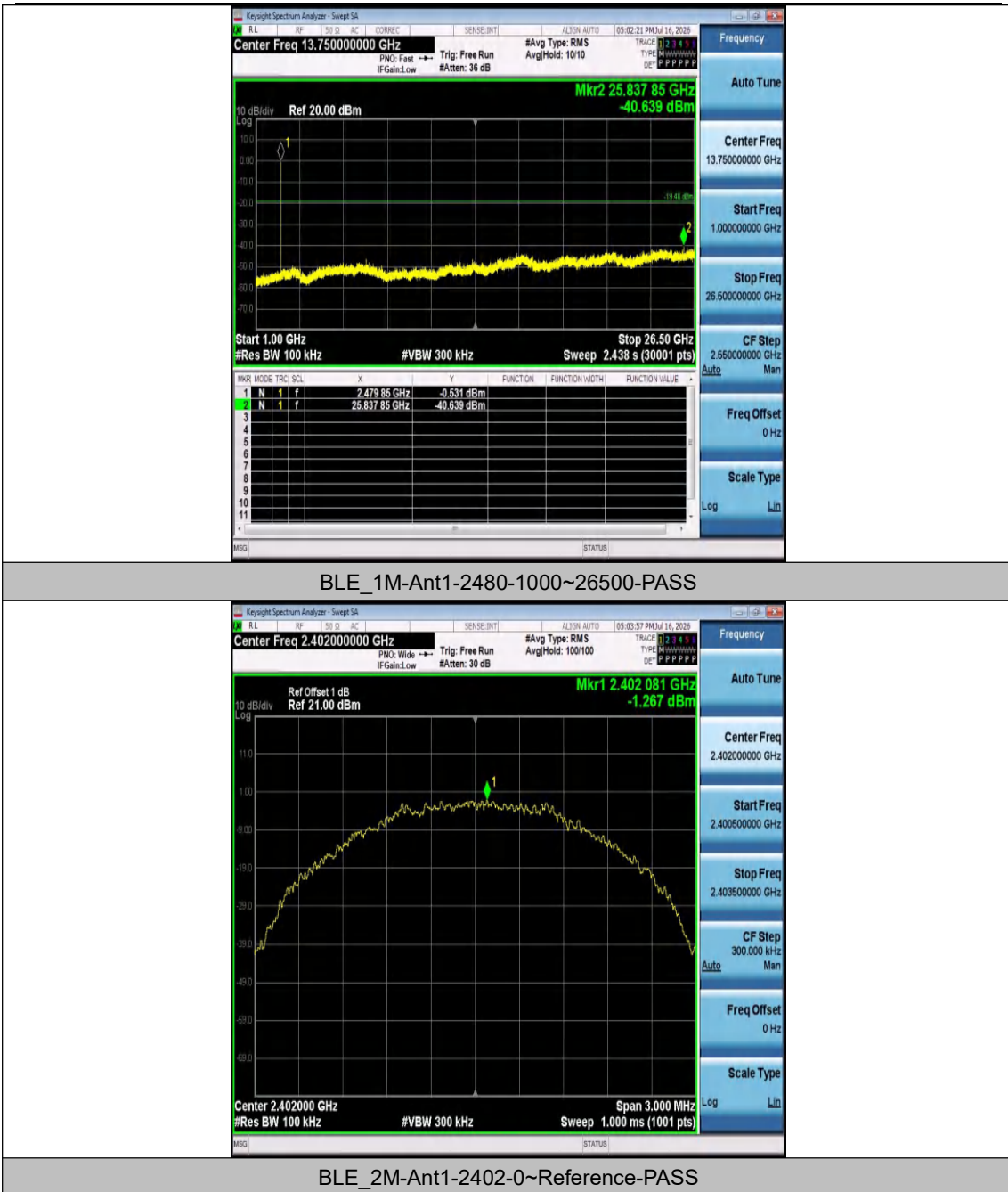
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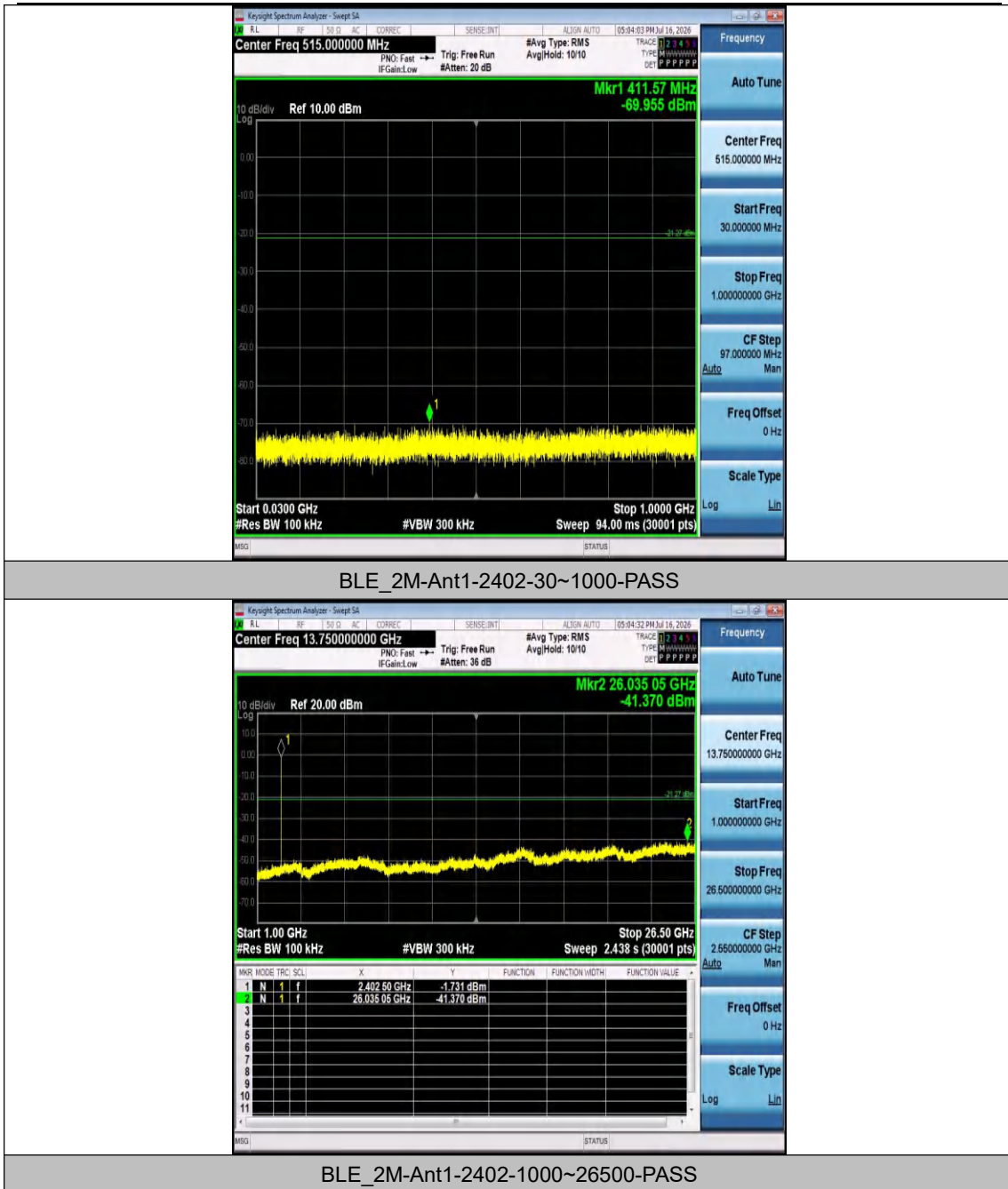
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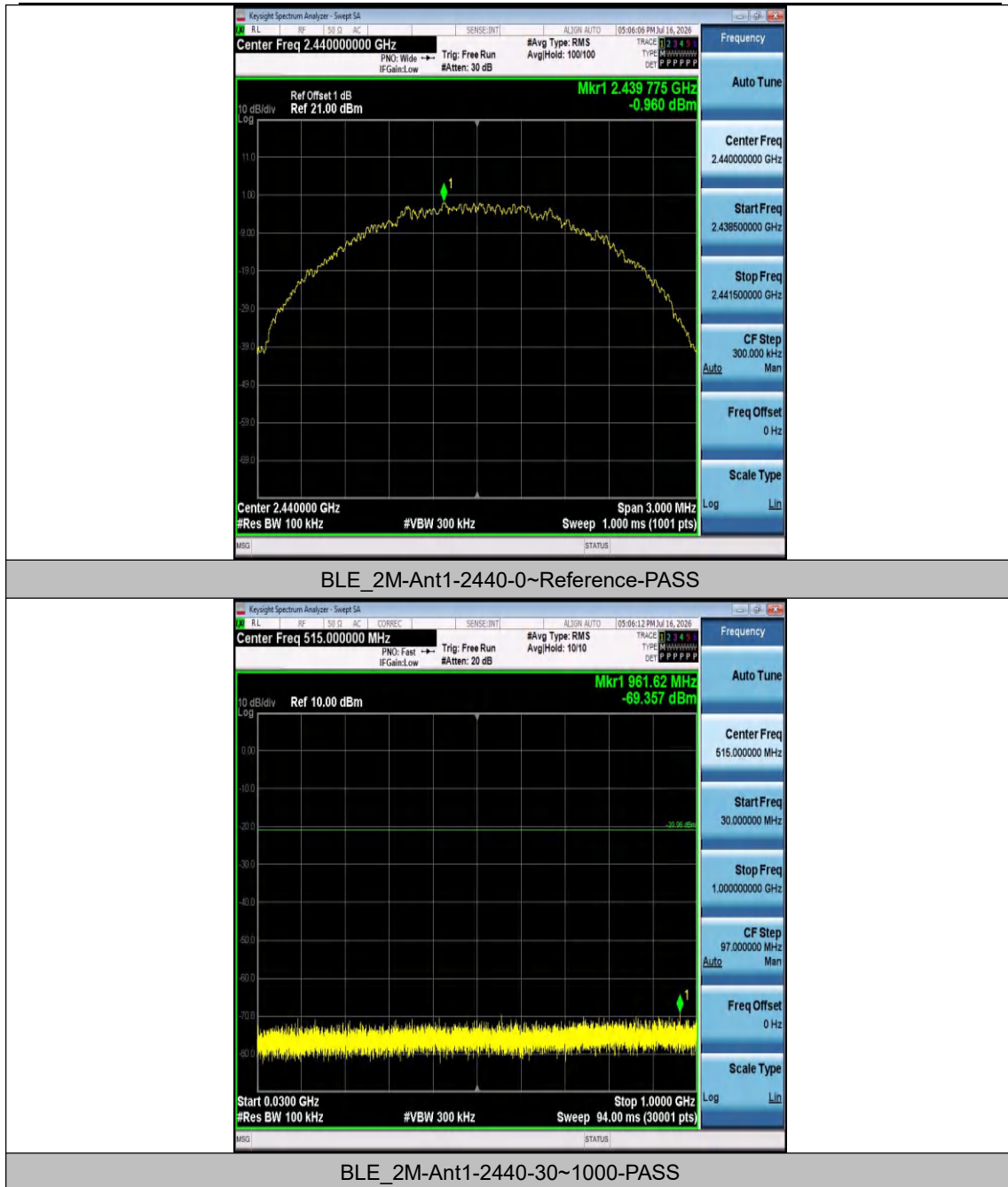
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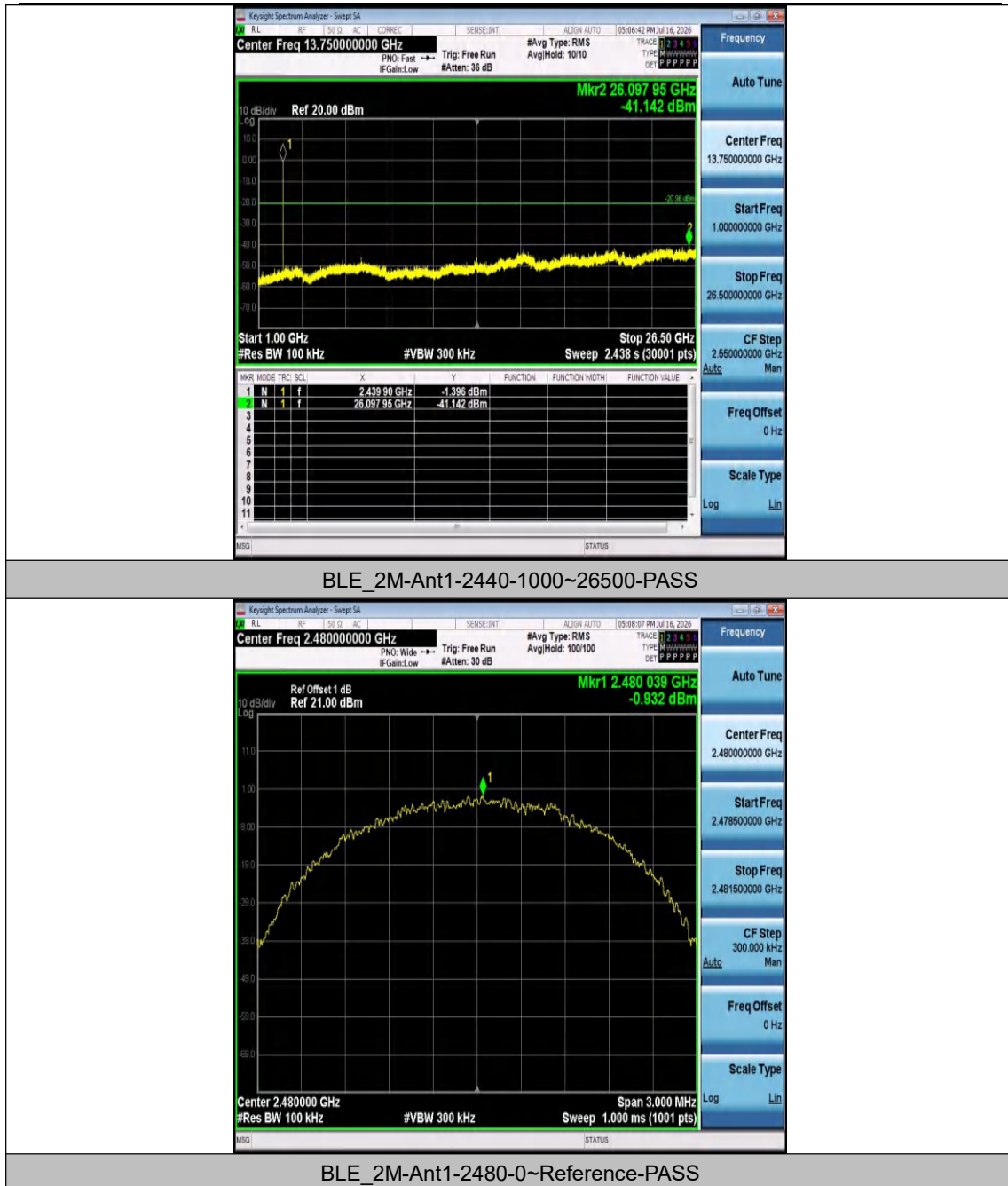
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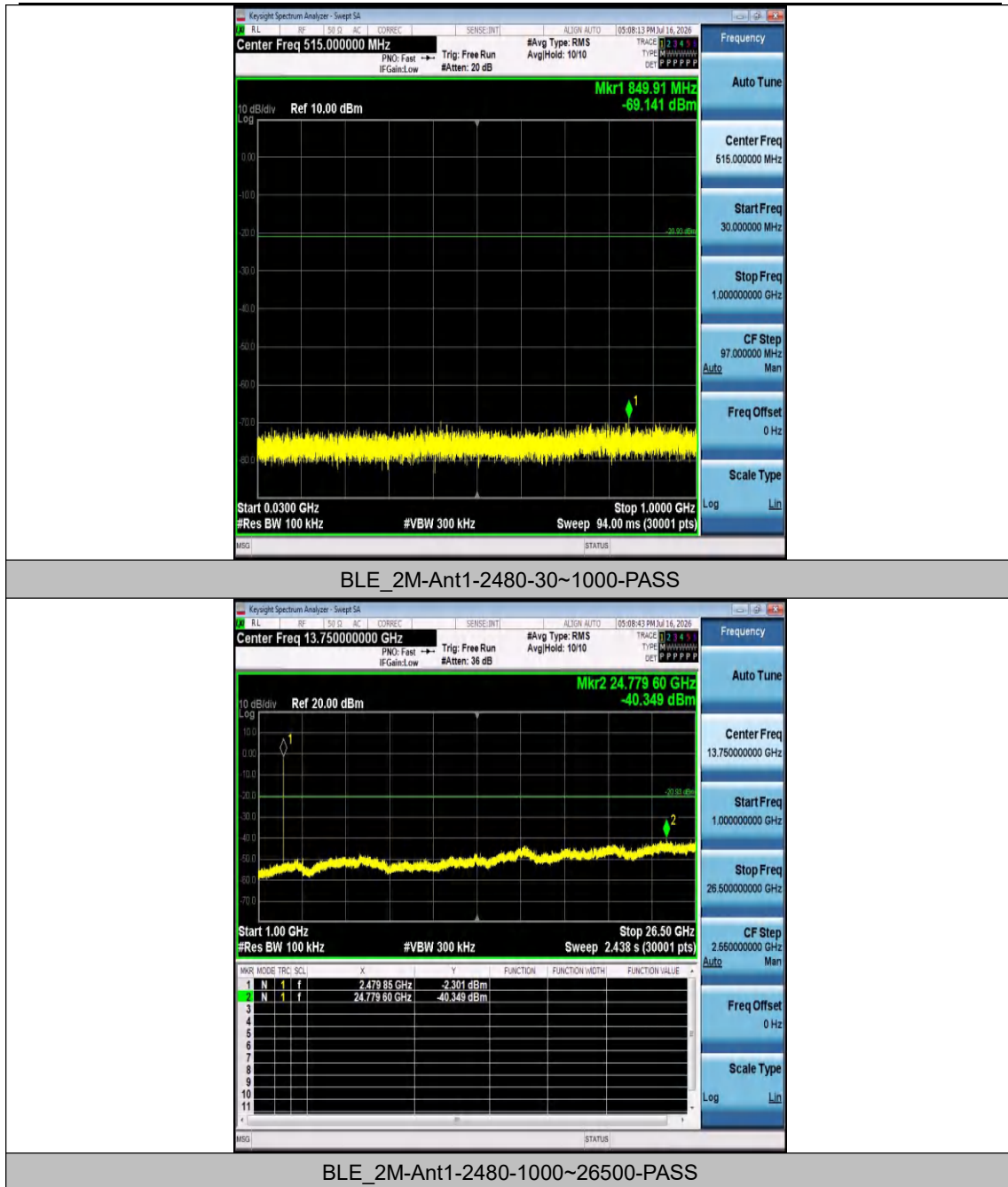
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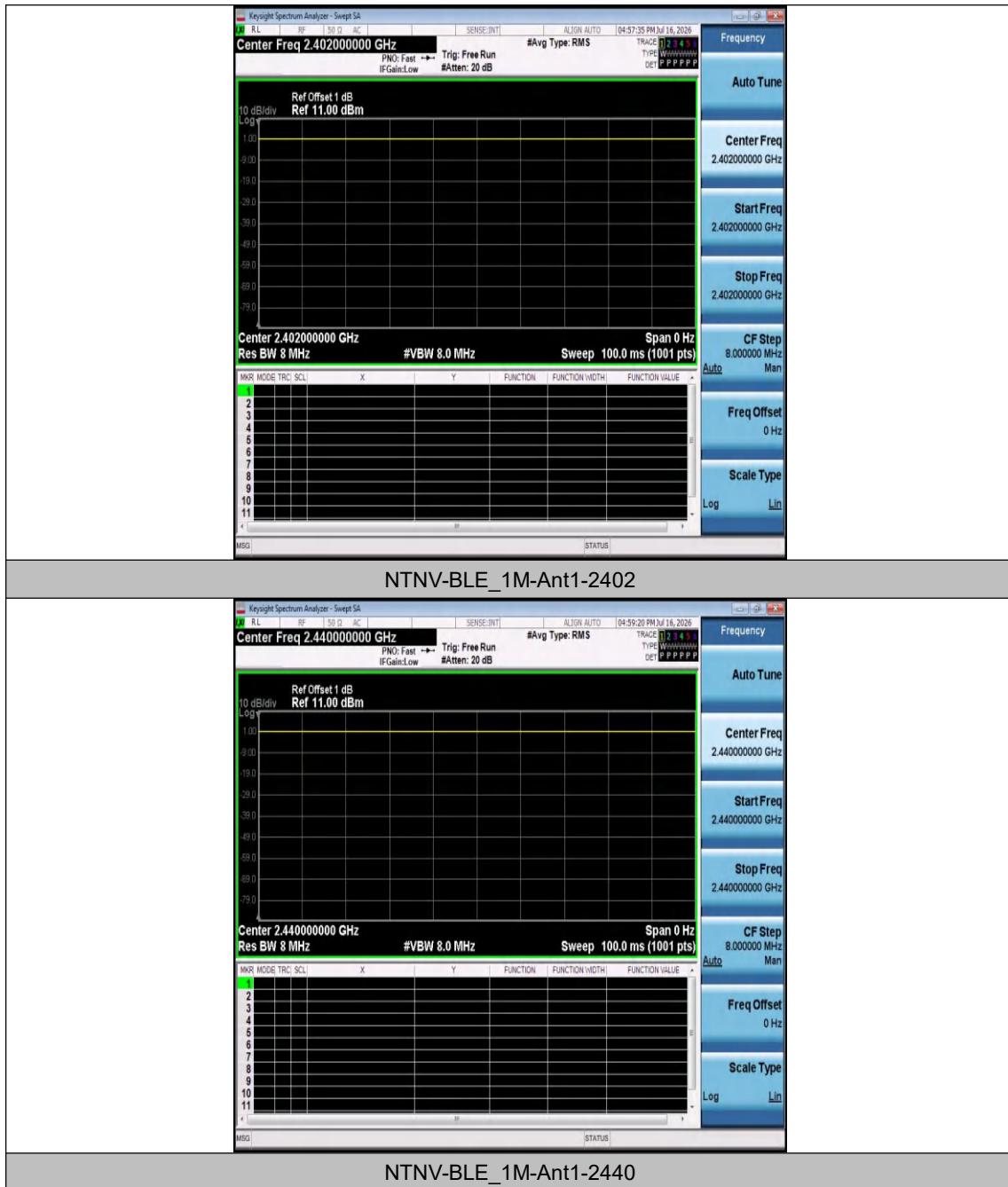
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2480	100.00	100.00	100.00	0.00

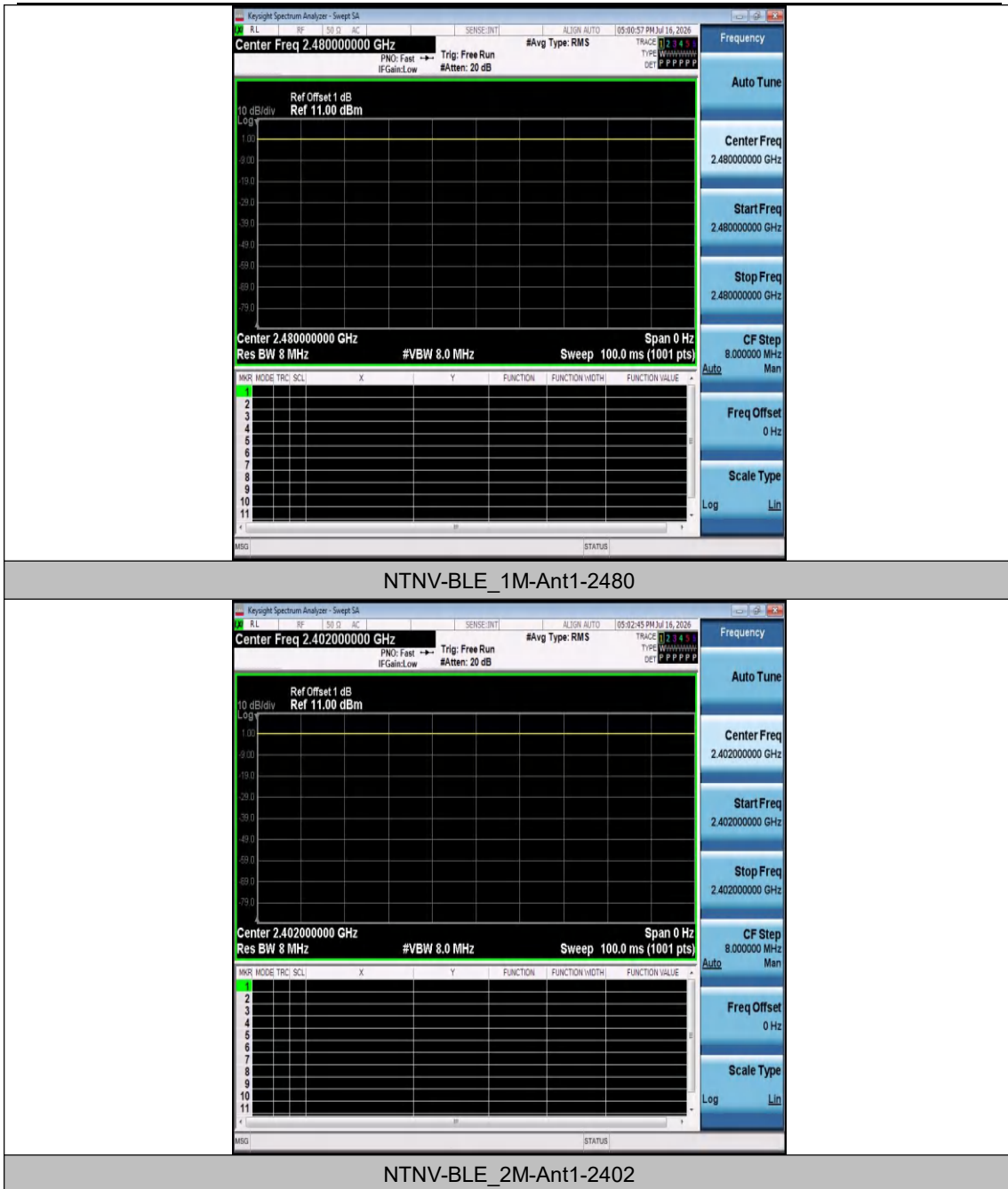
Test Graphs



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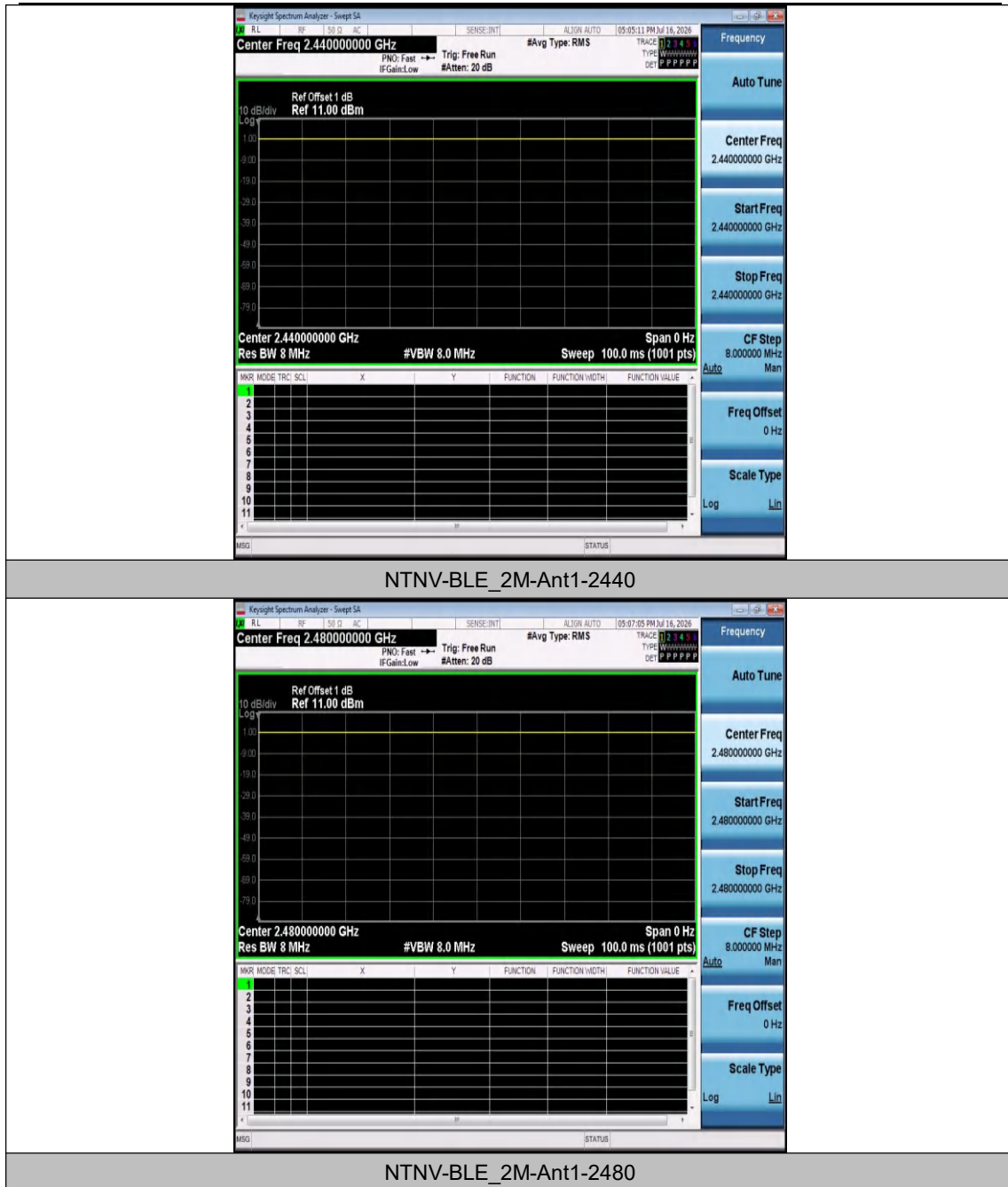
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