

Appendix Test Data

Report No.:	1819C60015612501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-2-2	Finish Test Date:	2026-2-5
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23.1℃	Relative Humidity:	55%
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	2401.684	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.664	2440.360	0.5	PASS
BLE_1M	Ant1	2480	0.696	2479.692	2480.388	0.5	PASS
BLE_2M	Ant1	2402	1.192	2401.376	2402.568	0.5	PASS
BLE_2M	Ant1	2440	1.360	2439.344	2440.704	0.5	PASS
BLE_2M	Ant1	2480	1.136	2479.472	2480.608	0.5	PASS

Test Graphs



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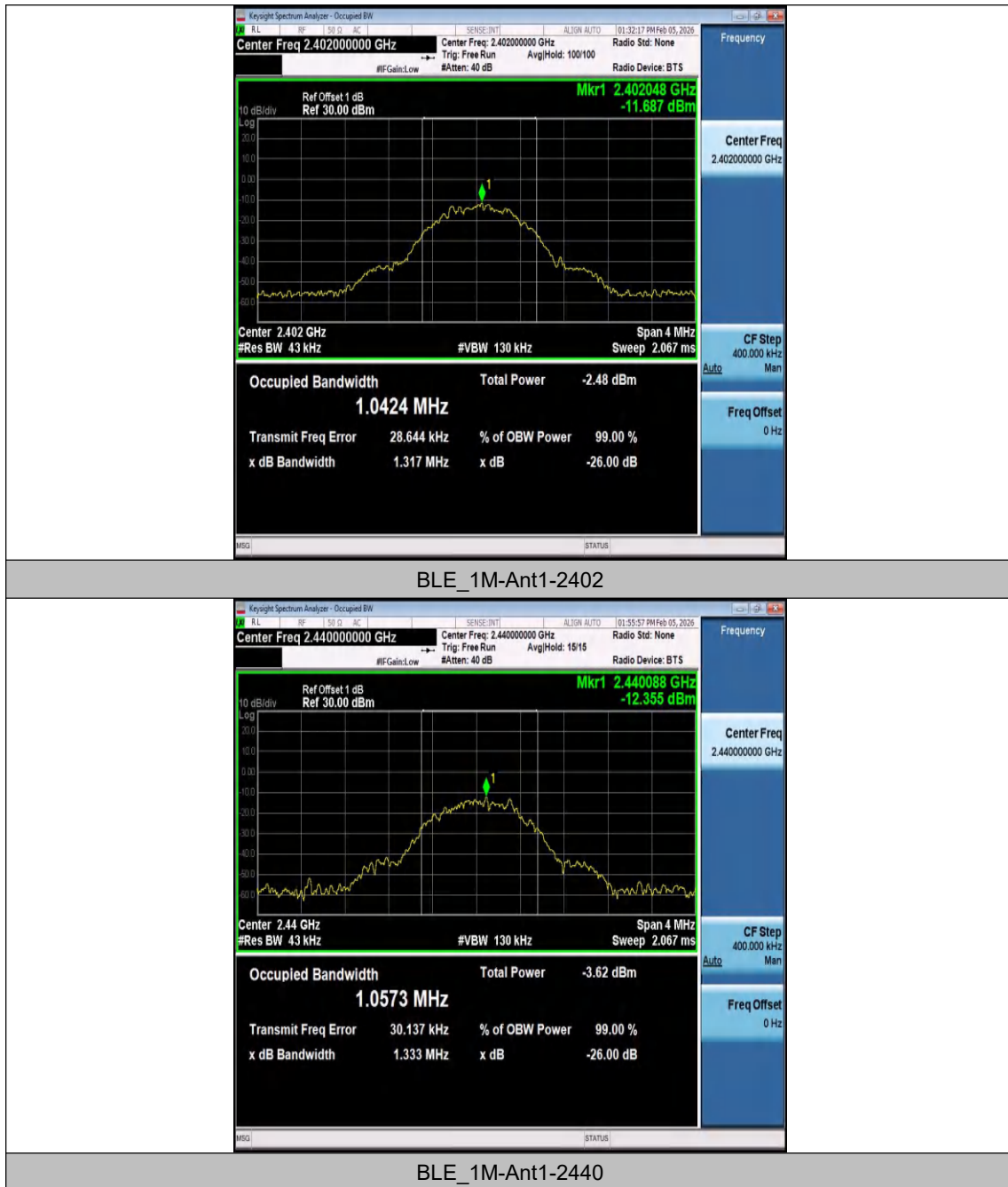
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0424	2401.5074	2402.5498	---	---
BLE_1M	Ant1	2440	3.2967	2438.3818	2441.6785	---	---
BLE_1M	Ant1	2480	1.0474	2479.5079	2480.5553	---	---
BLE_2M	Ant1	2402	2.0770	2401.0024	2403.0794	---	---
BLE_2M	Ant1	2440	2.0856	2439.0031	2441.0887	---	---
BLE_2M	Ant1	2480	2.0440	2479.0200	2481.0640	---	---

Test Graphs



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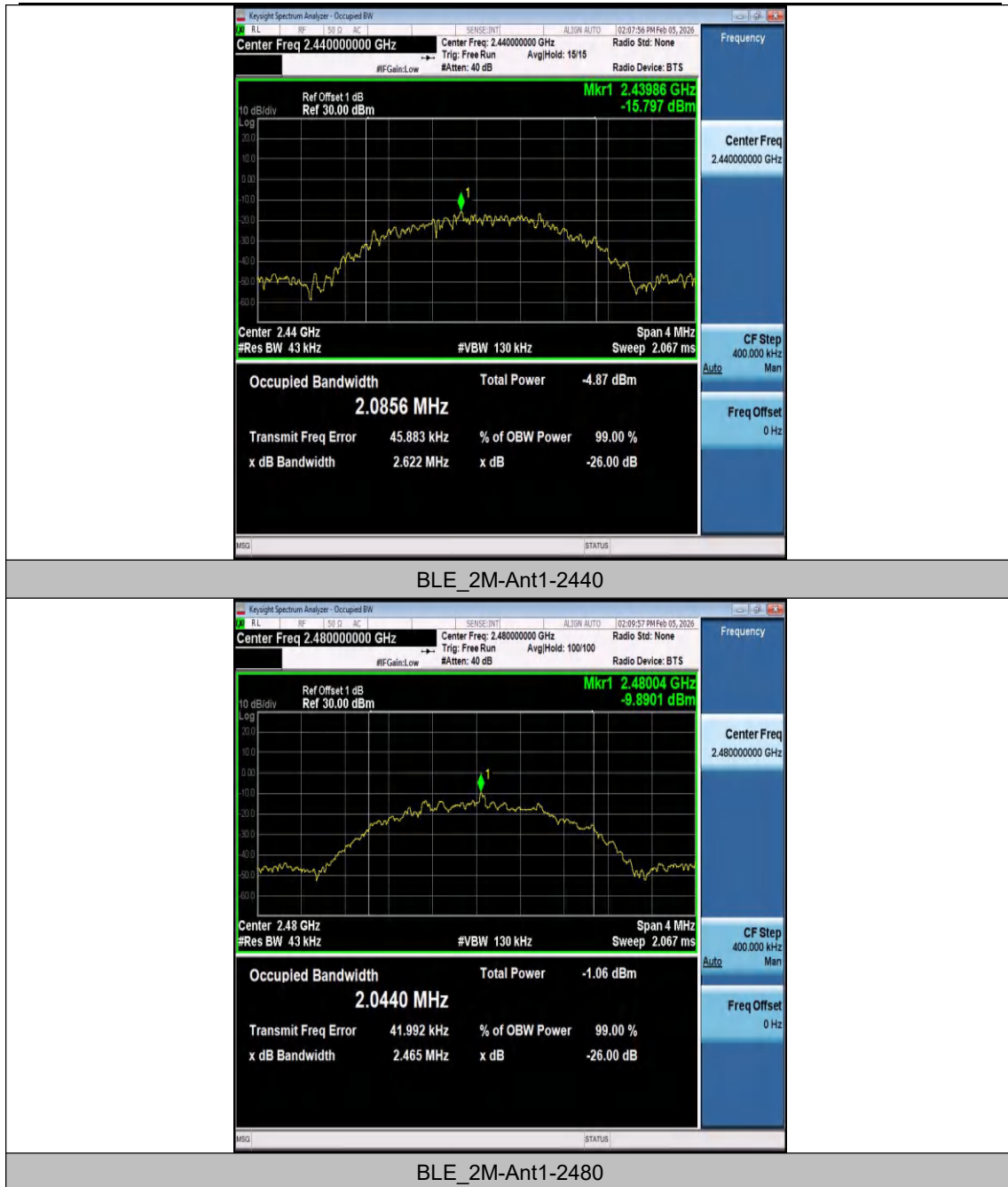
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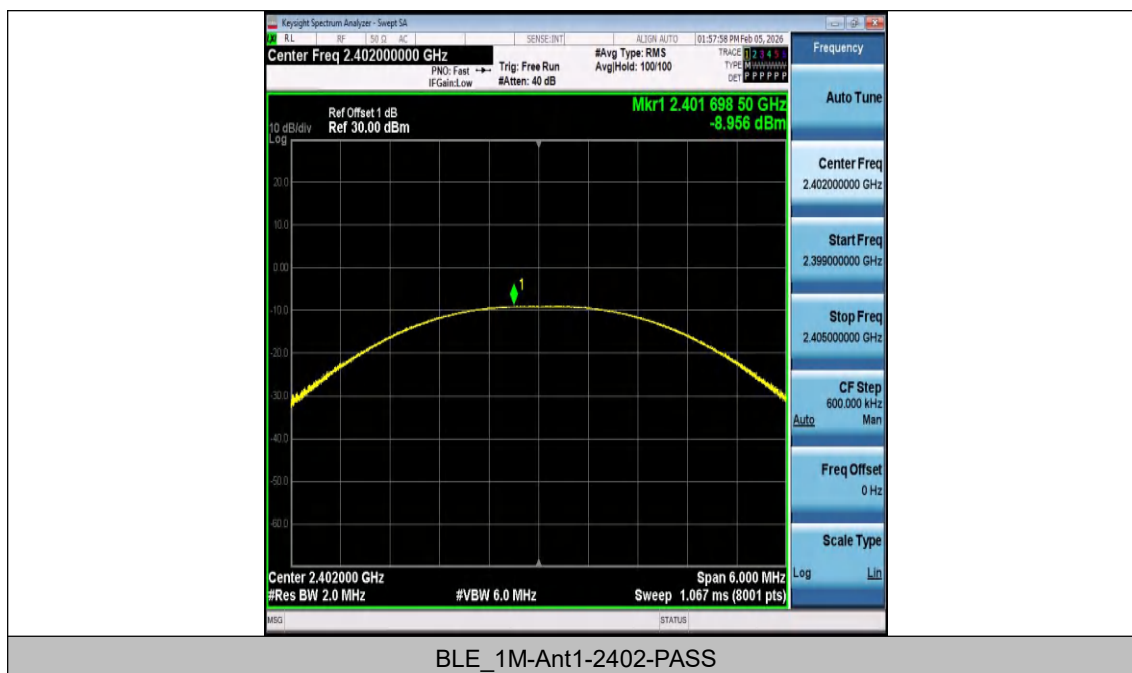
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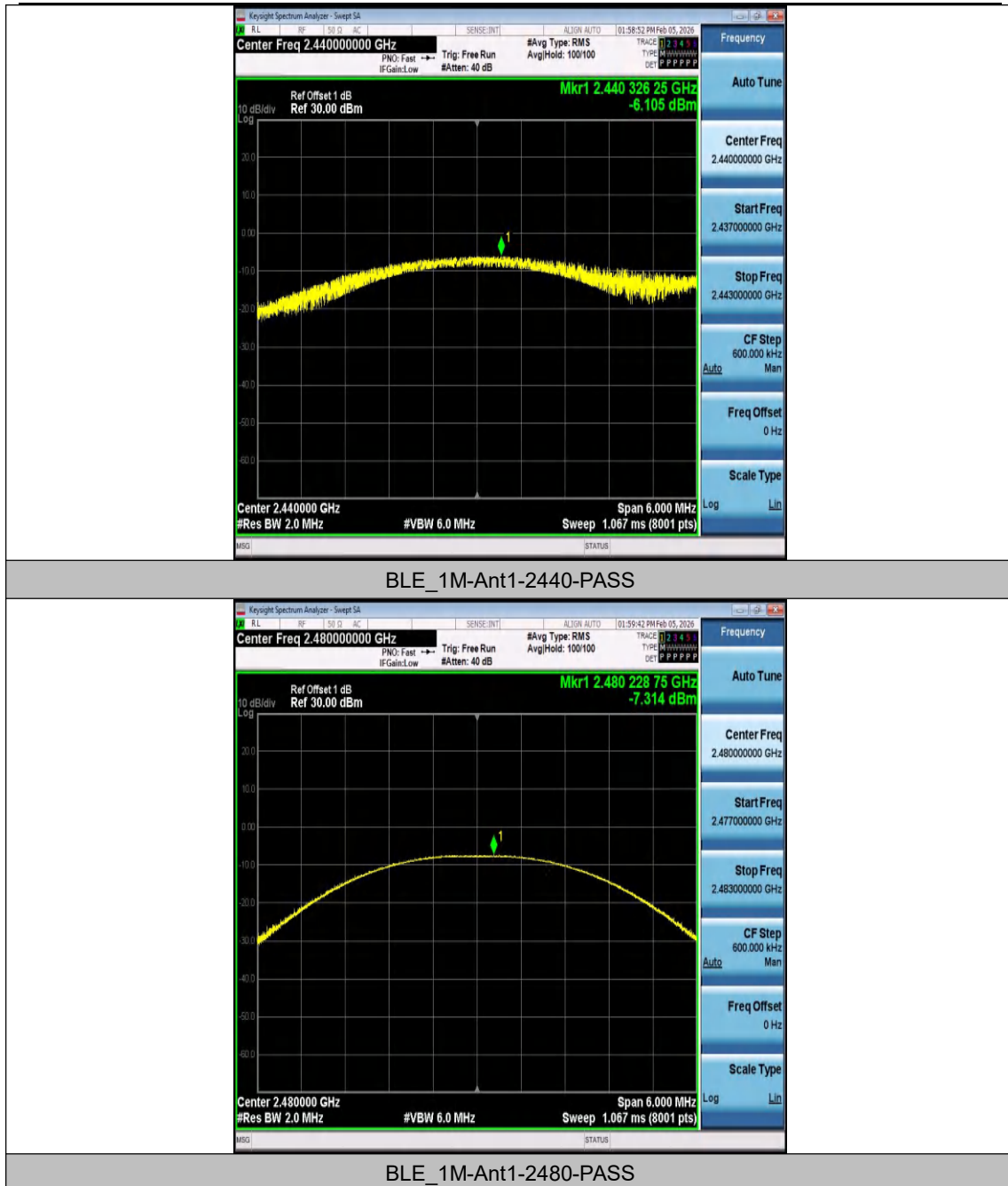
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-8.96	≤30	PASS
BLE_1M	Ant1	2440	-6.11	≤30	PASS
BLE_1M	Ant1	2480	-7.31	≤30	PASS
BLE_2M	Ant1	2402	-8.98	≤30	PASS
BLE_2M	Ant1	2440	-6.50	≤30	PASS
BLE_2M	Ant1	2480	-7.48	≤30	PASS

Test Graphs Peak

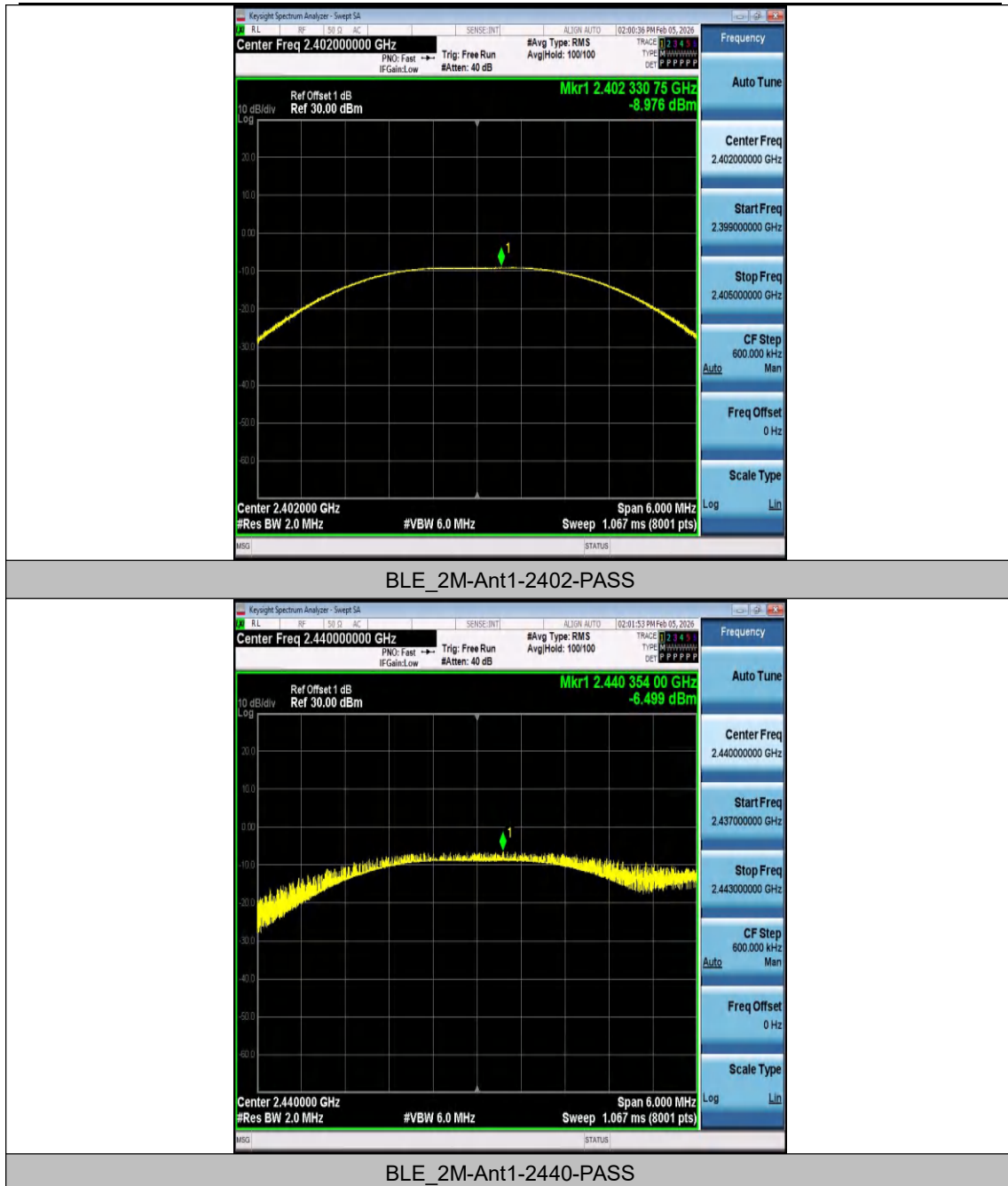




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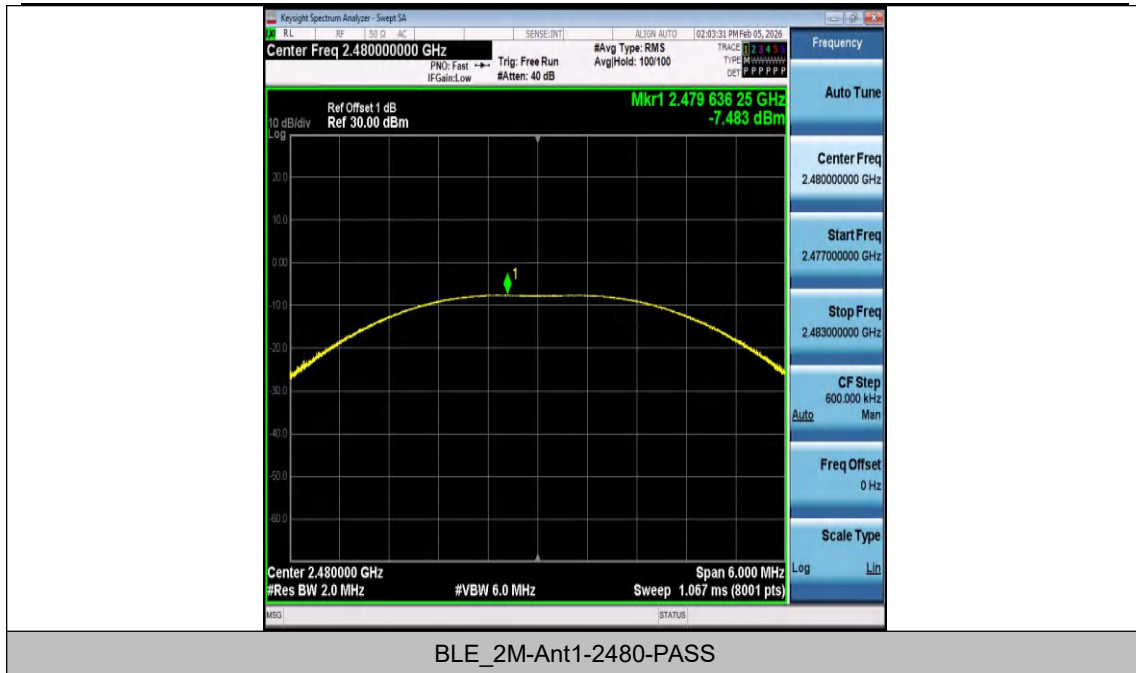
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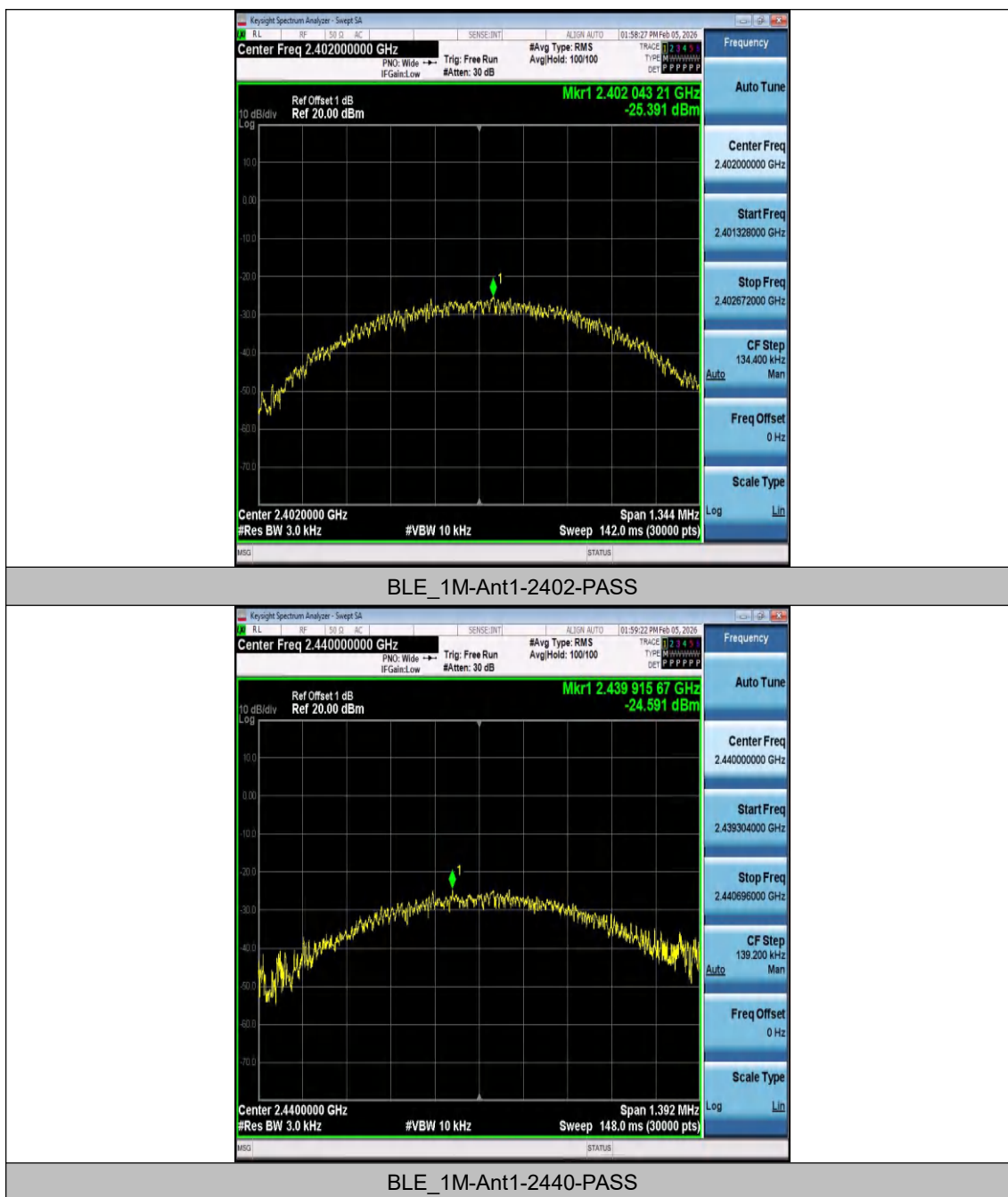
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-25.39	≤8.00	PASS
BLE_1M	Ant1	2440	-24.59	≤8.00	PASS
BLE_1M	Ant1	2480	-23.74	≤8.00	PASS
BLE_2M	Ant1	2402	-27.41	≤8.00	PASS
BLE_2M	Ant1	2440	-26.72	≤8.00	PASS
BLE_2M	Ant1	2480	-25.80	≤8.00	PASS

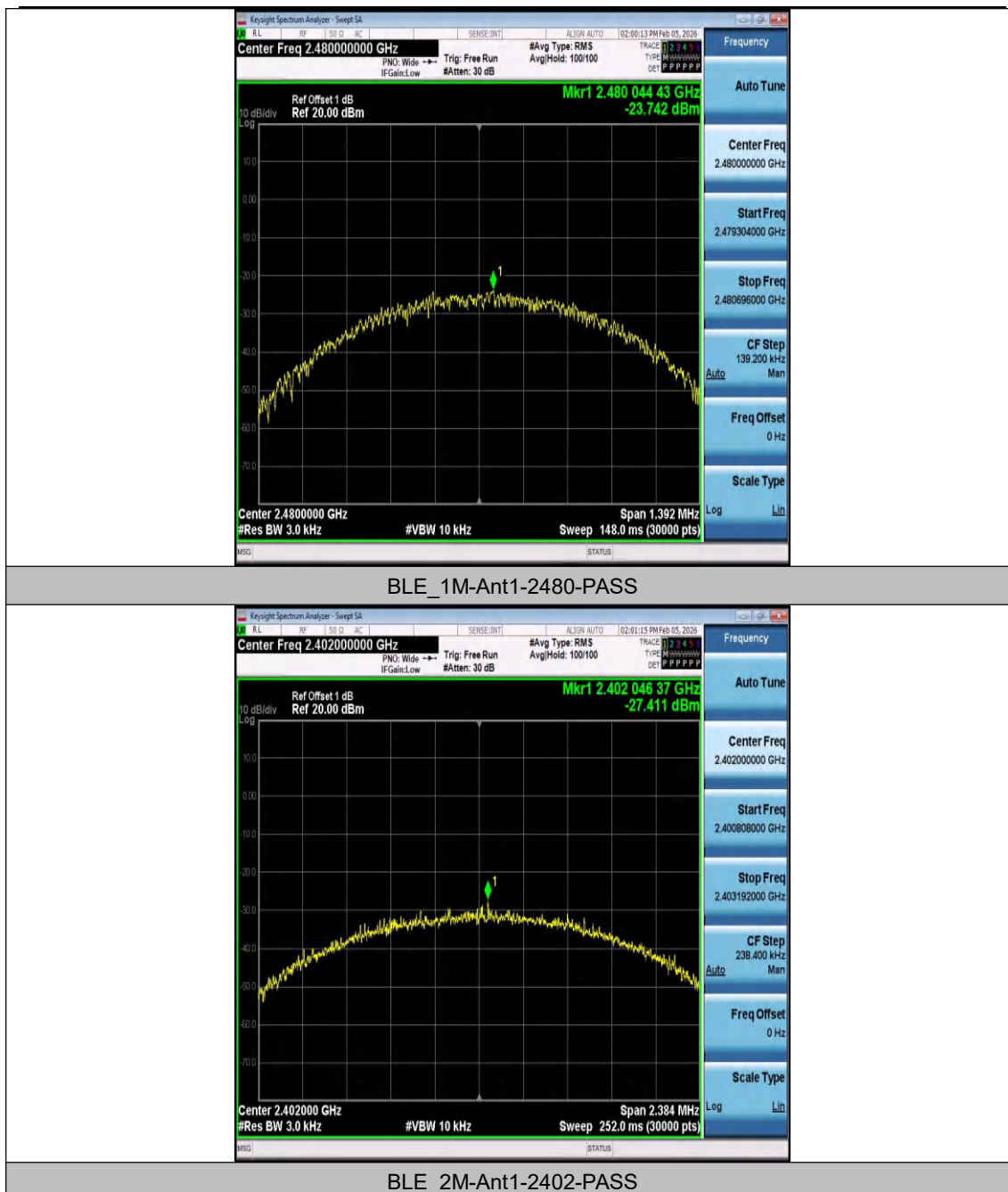
Test Graphs



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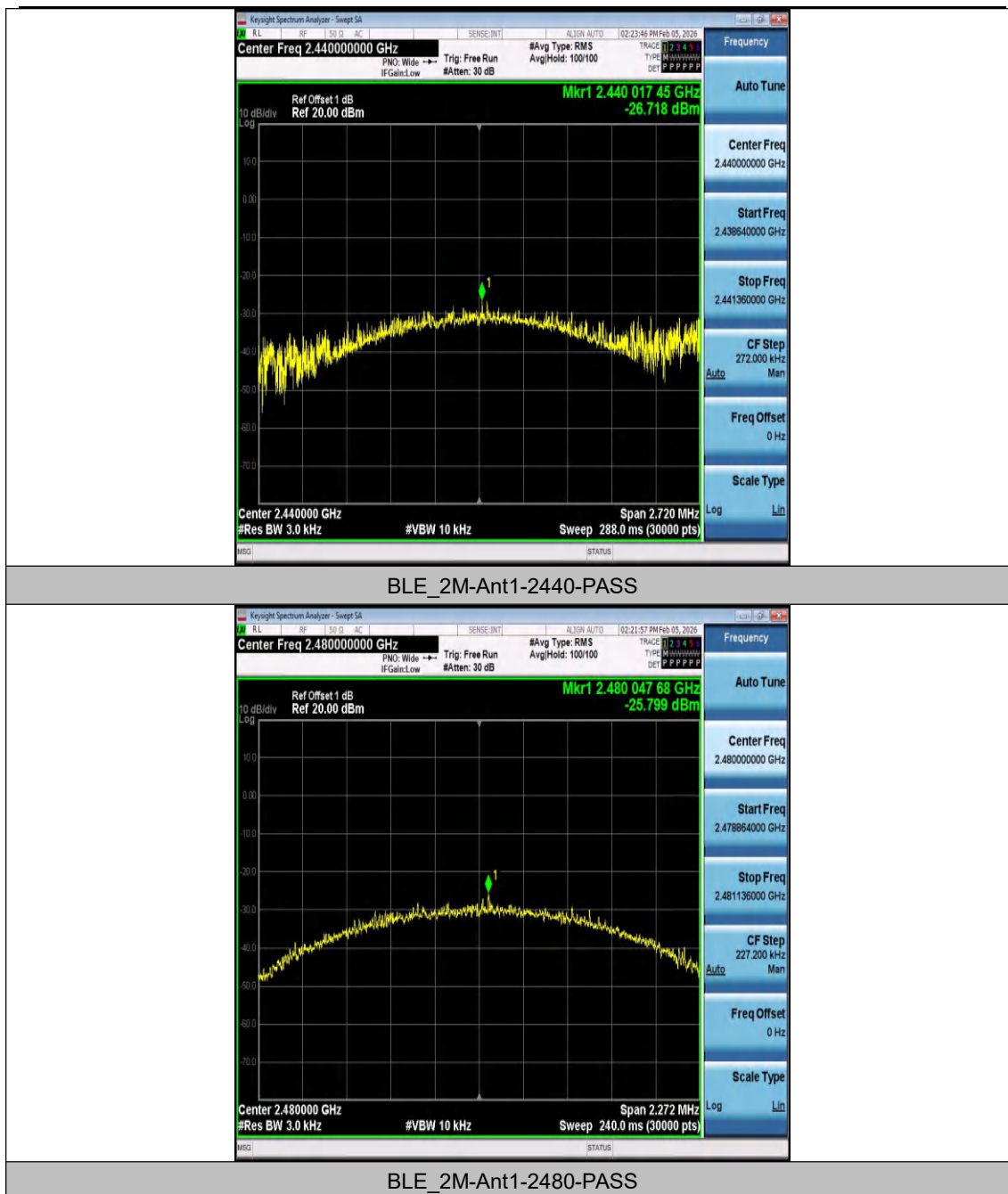
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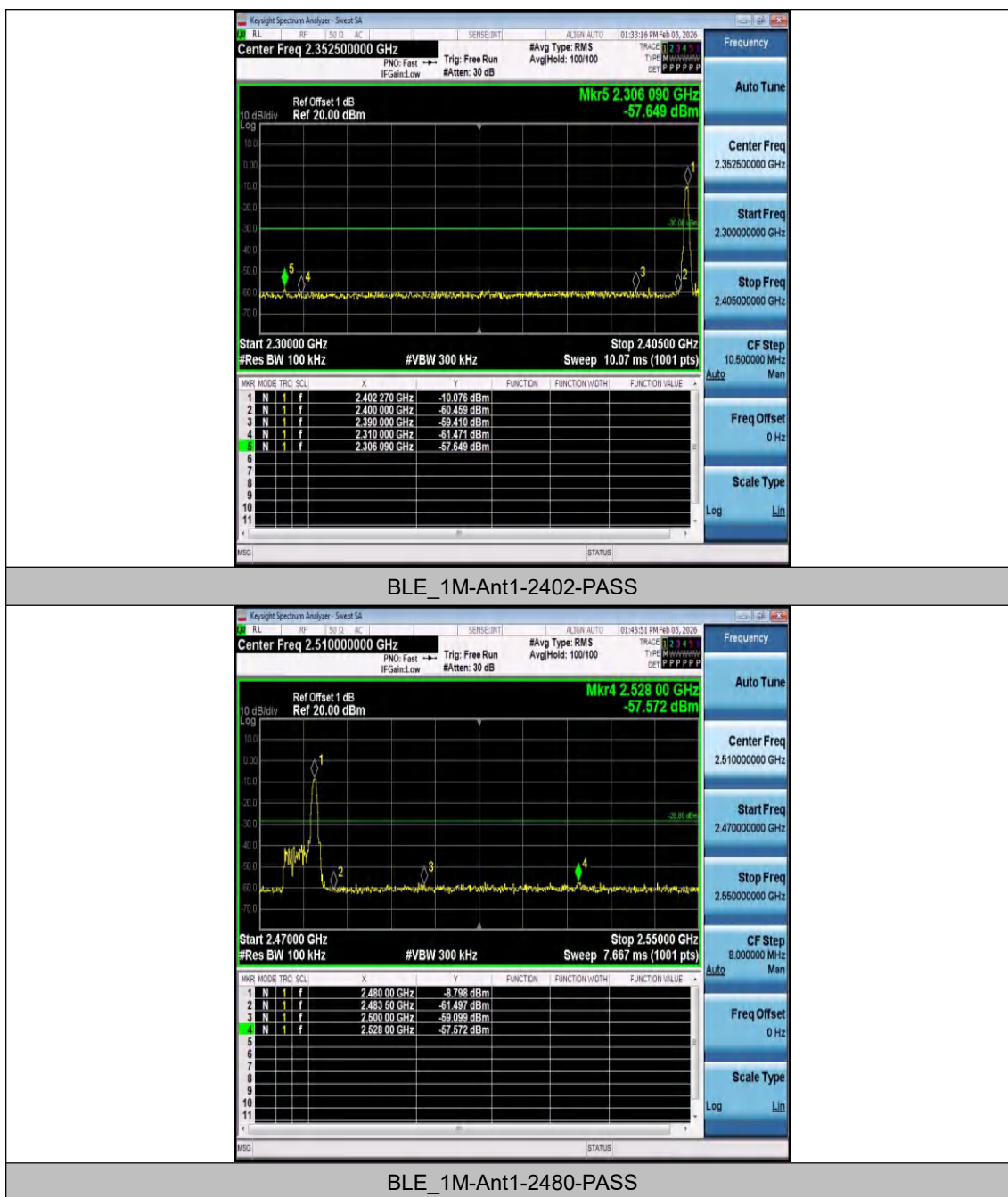
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-10.08	-57.65	≤-30.08	PASS
BLE_1M	Ant1	High	2480	-8.80	-57.57	≤-28.8	PASS
BLE_2M	Ant1	Low	2402	-10.24	-43.3	≤-30.24	PASS
BLE_2M	Ant1	High	2480	-7.54	-55.73	≤-27.54	PASS

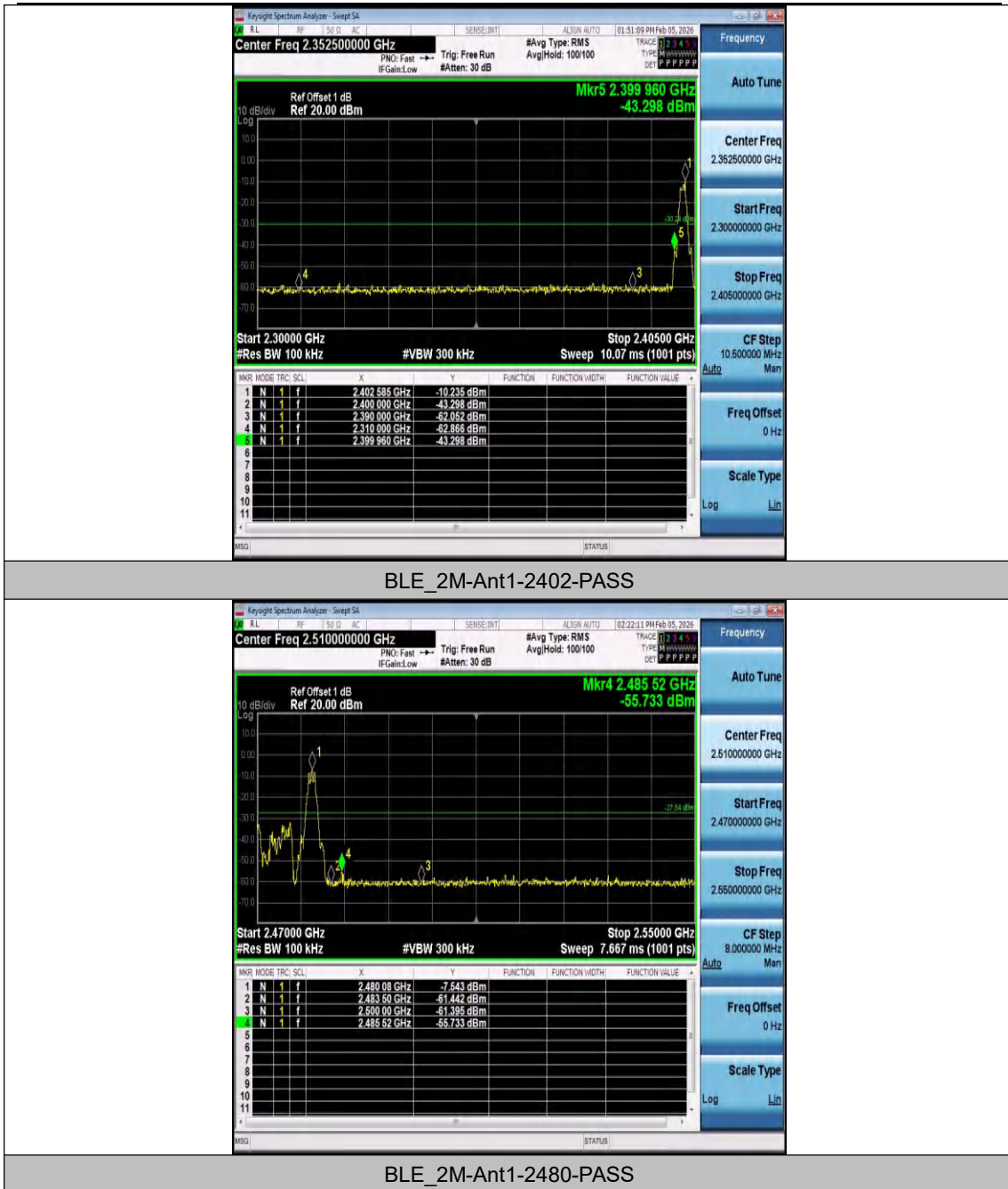
Test Graphs



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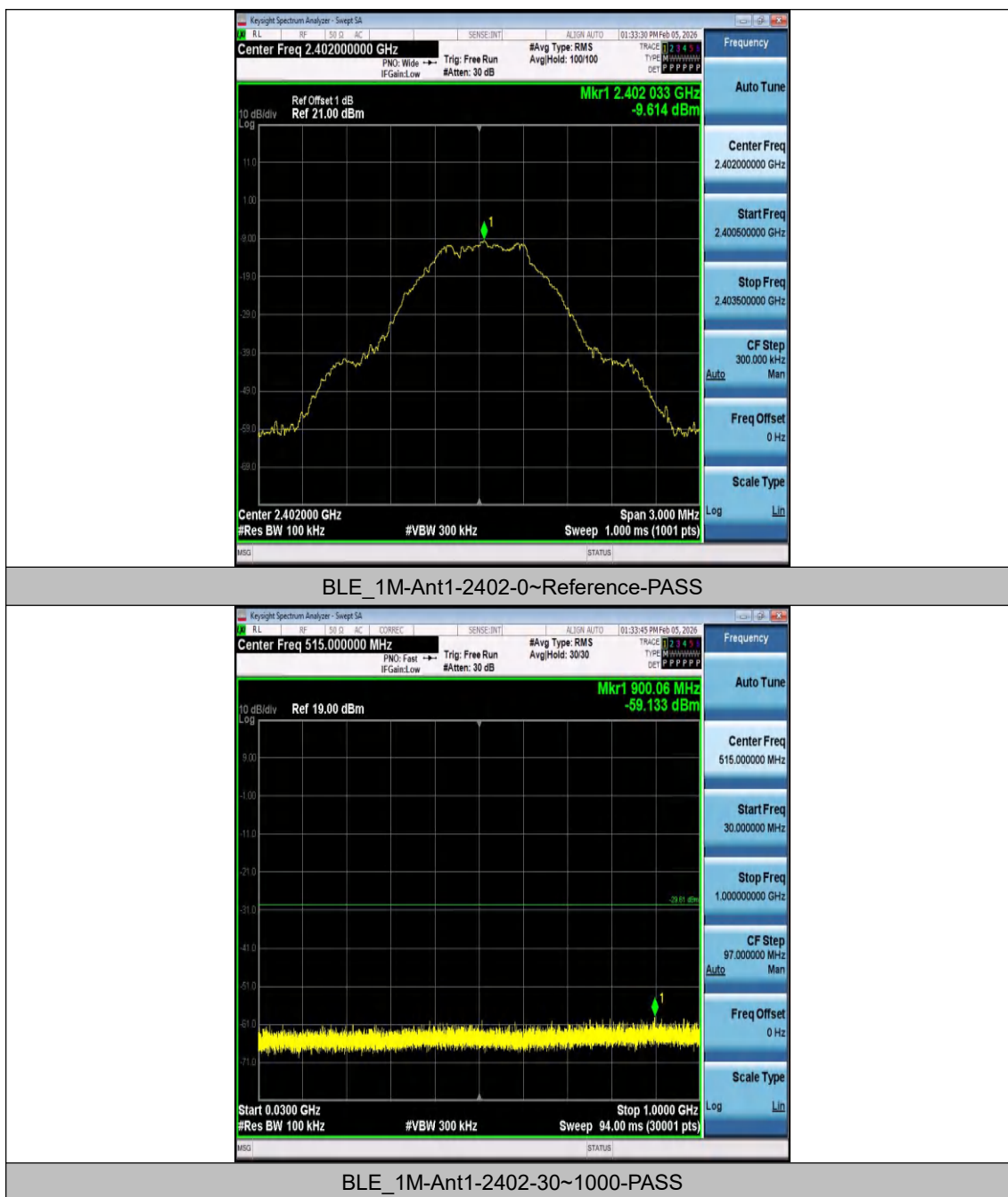
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-9.61	-9.61	---	PASS
BLE_1M	Ant1	2402	30~1000	-9.61	-59.13	≤-29.61	PASS
BLE_1M	Ant1	2402	1000~26500	-9.61	-35.67	≤-29.61	PASS
BLE_1M	Ant1	2440	0~Reference	-10.15	-10.15	---	PASS
BLE_1M	Ant1	2440	30~1000	-10.15	-58.64	≤-30.15	PASS
BLE_1M	Ant1	2440	1000~26500	-10.15	-43.29	≤-30.15	PASS
BLE_1M	Ant1	2480	0~Reference	-7.98	-7.98	---	PASS
BLE_1M	Ant1	2480	30~1000	-7.98	-58.69	≤-27.98	PASS
BLE_1M	Ant1	2480	1000~26500	-7.98	-40.98	≤-27.98	PASS
BLE_2M	Ant1	2402	0~Reference	-10.44	-10.44	---	PASS
BLE_2M	Ant1	2402	30~1000	-10.44	-58.58	≤-30.44	PASS
BLE_2M	Ant1	2402	1000~26500	-10.44	-46.23	≤-30.44	PASS
BLE_2M	Ant1	2440	0~Reference	-11.42	-11.42	---	PASS
BLE_2M	Ant1	2440	30~1000	-11.42	-58.28	≤-31.42	PASS
BLE_2M	Ant1	2440	1000~26500	-11.42	-38.38	≤-31.42	PASS
BLE_2M	Ant1	2480	0~Reference	-8.16	-8.16	---	PASS
BLE_2M	Ant1	2480	30~1000	-8.16	-58.61	≤-28.16	PASS
BLE_2M	Ant1	2480	1000~26500	-8.16	-43.62	≤-28.16	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.

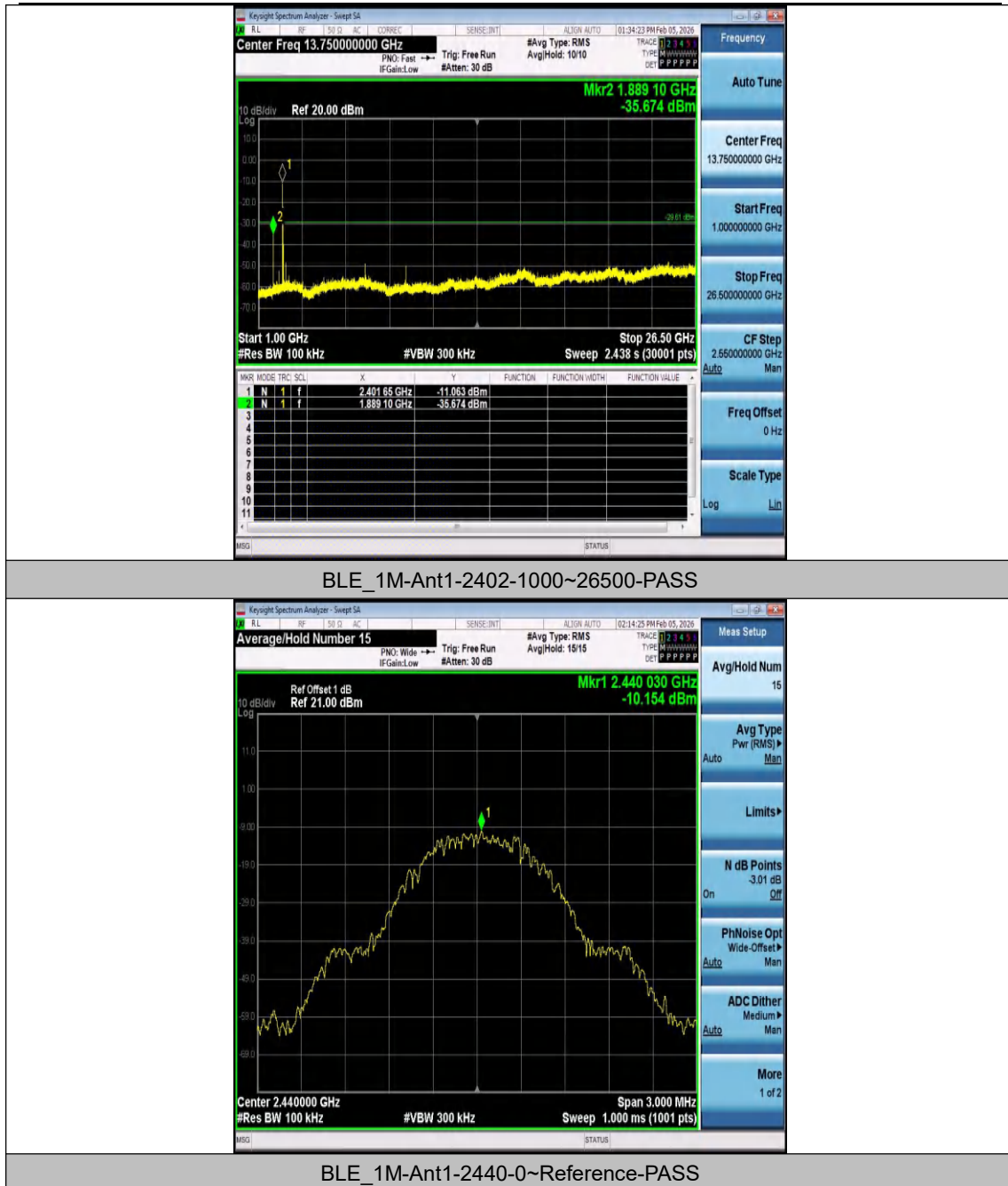
Test Graphs



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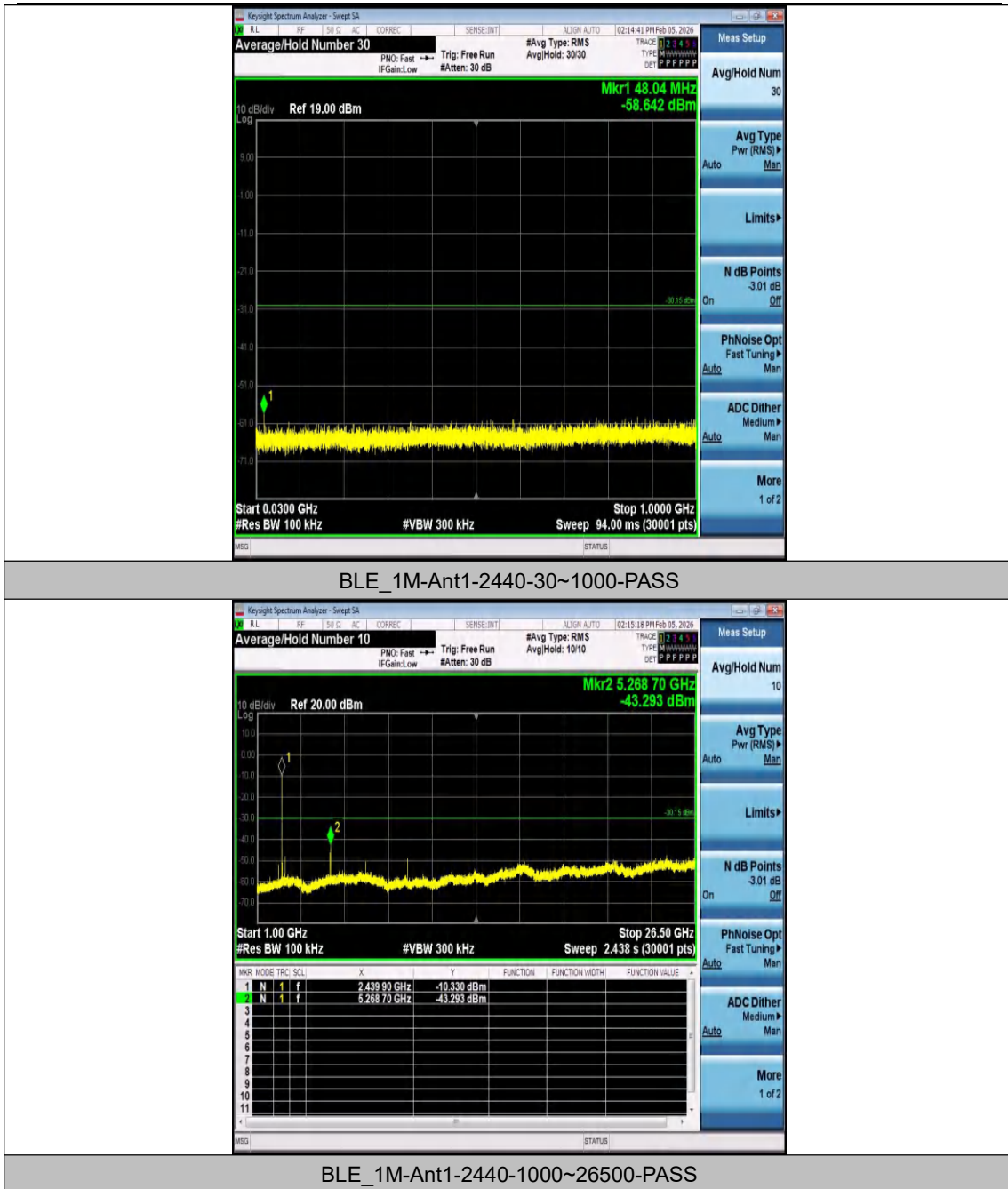
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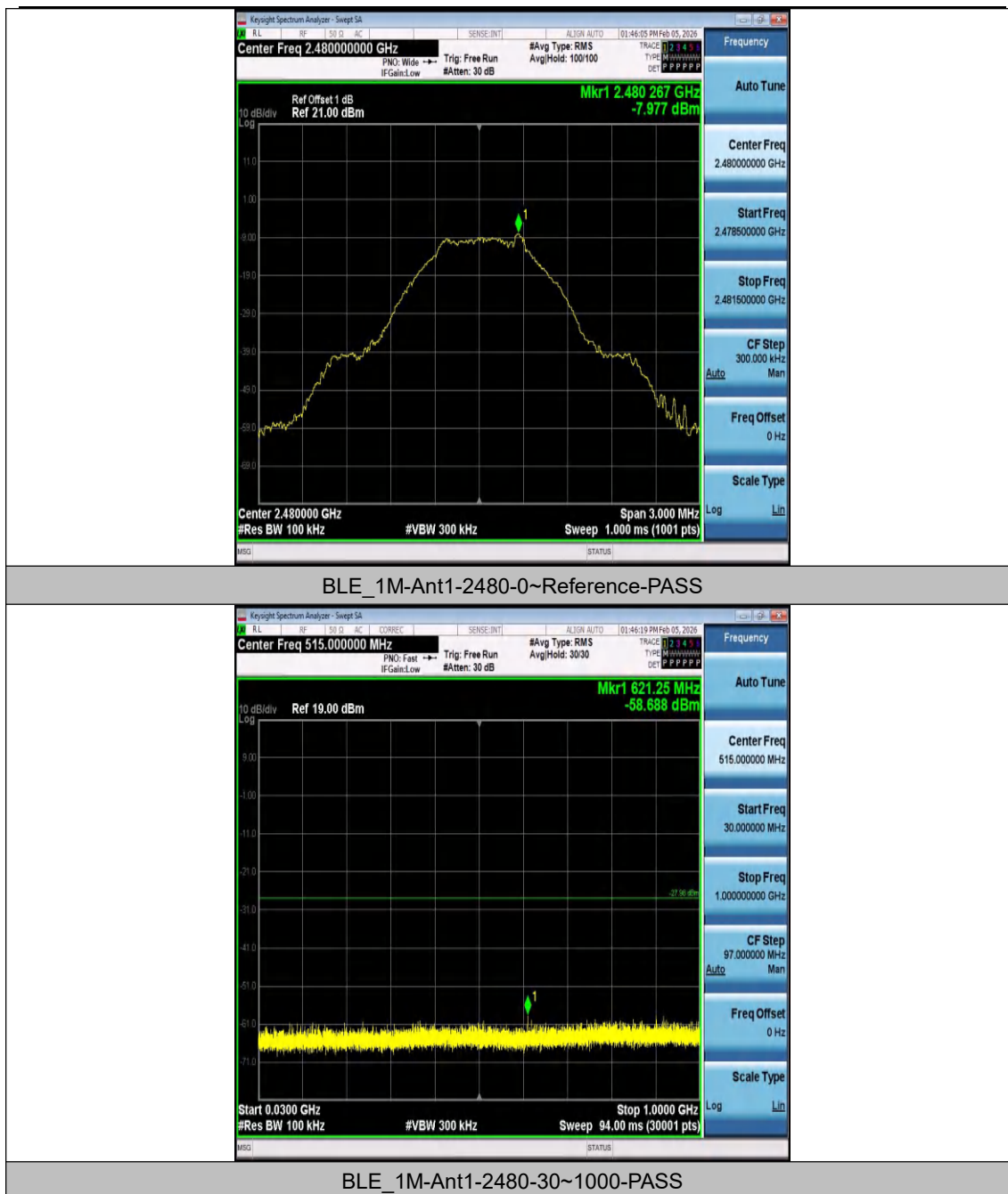
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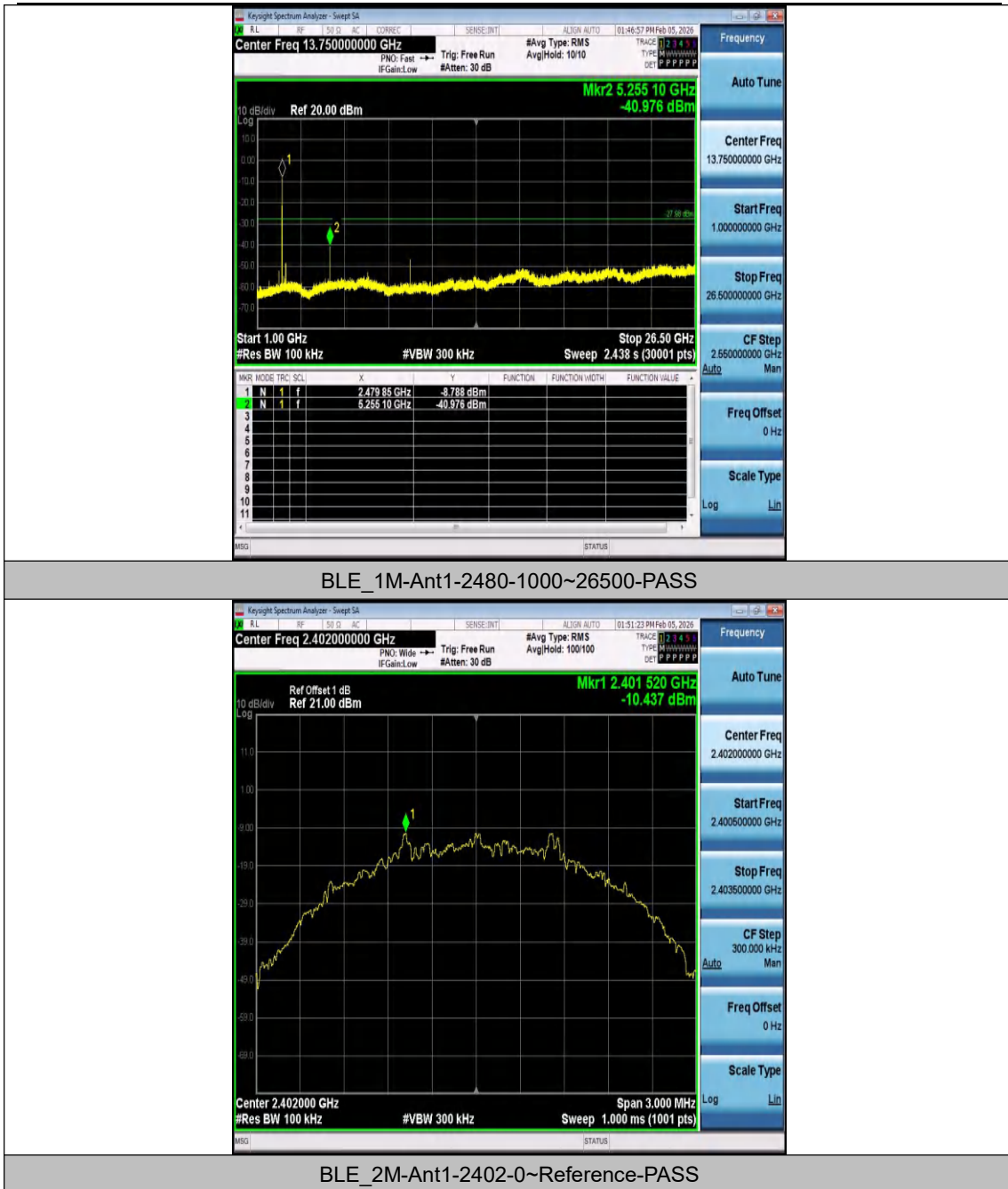
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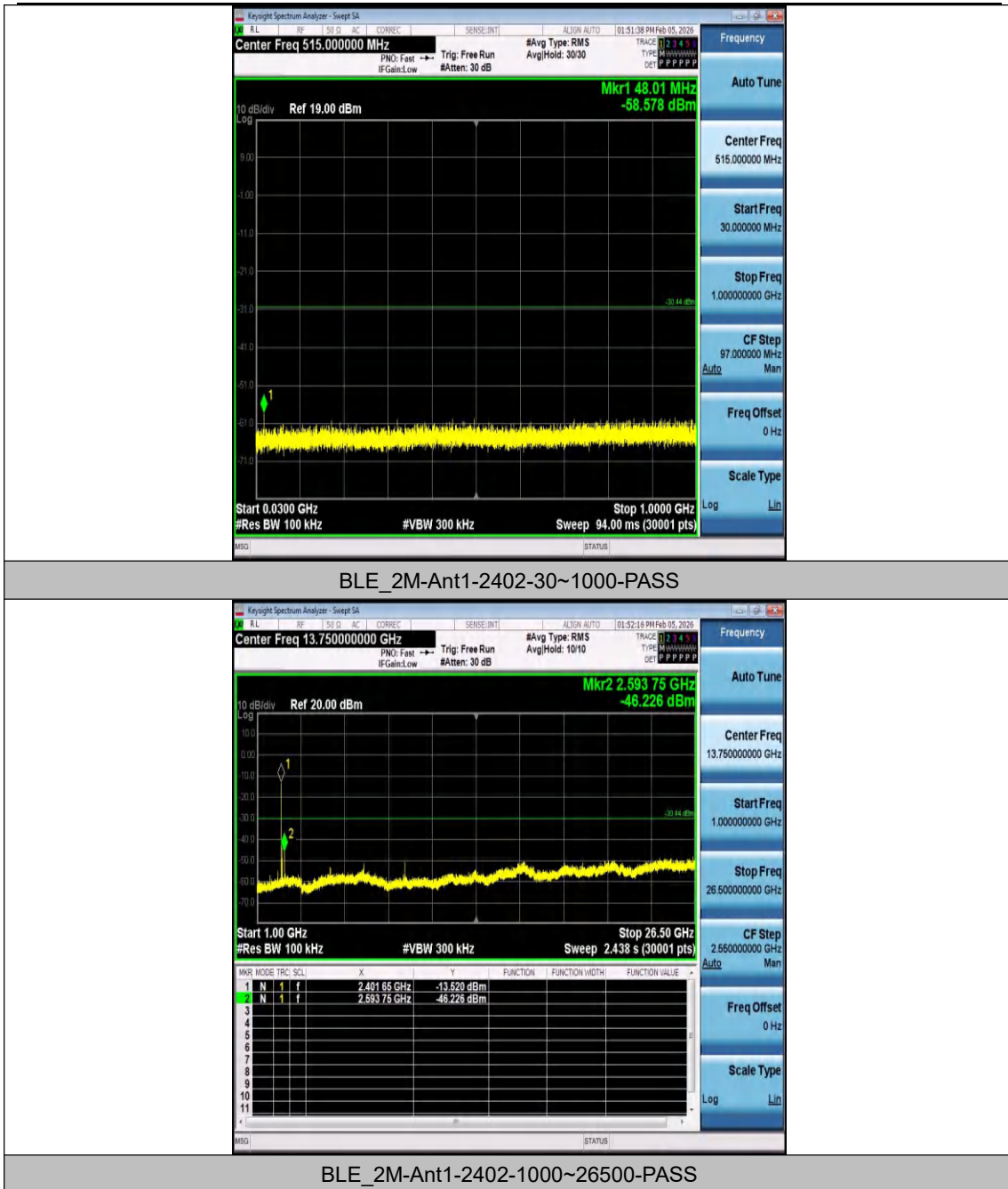
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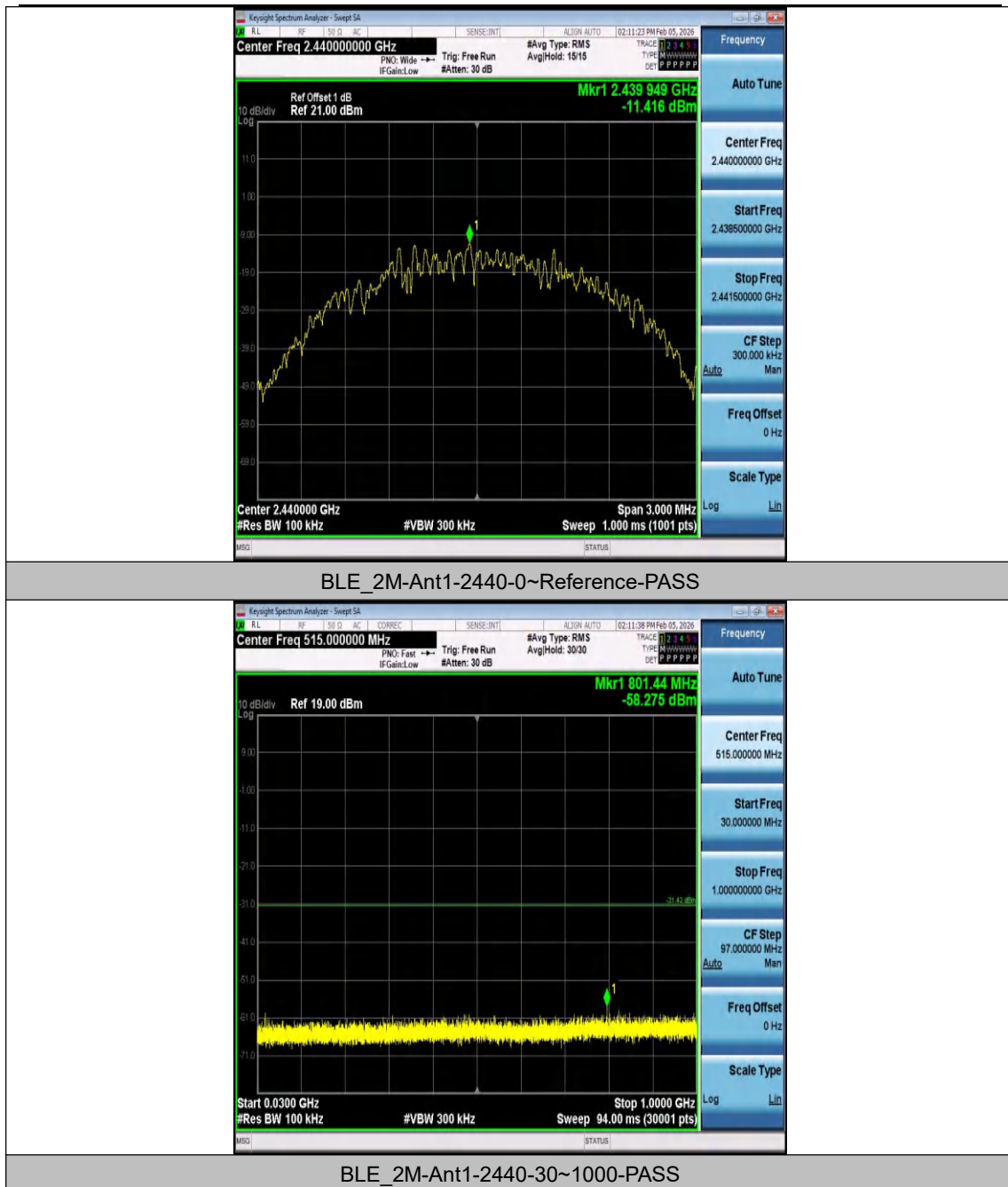
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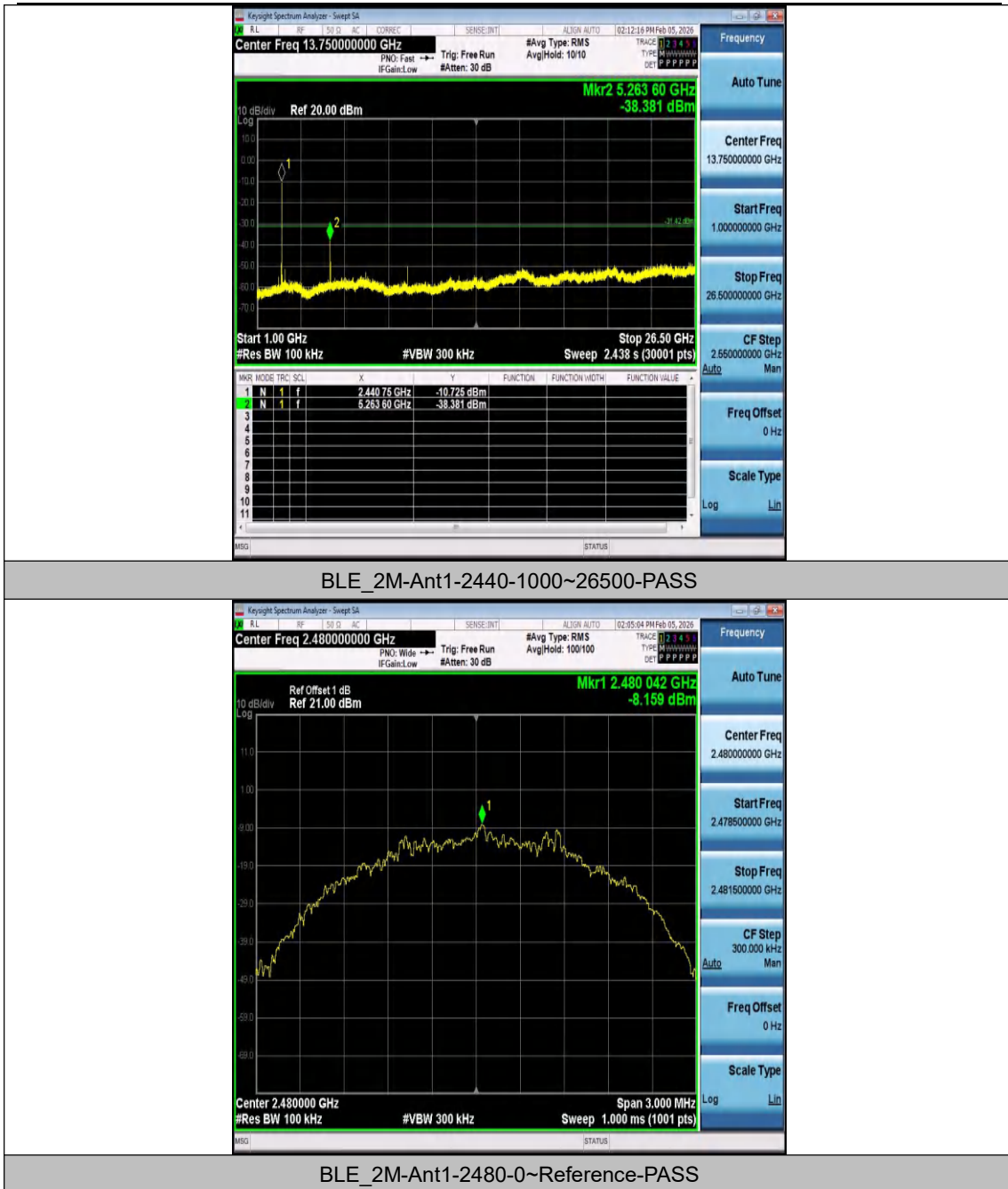
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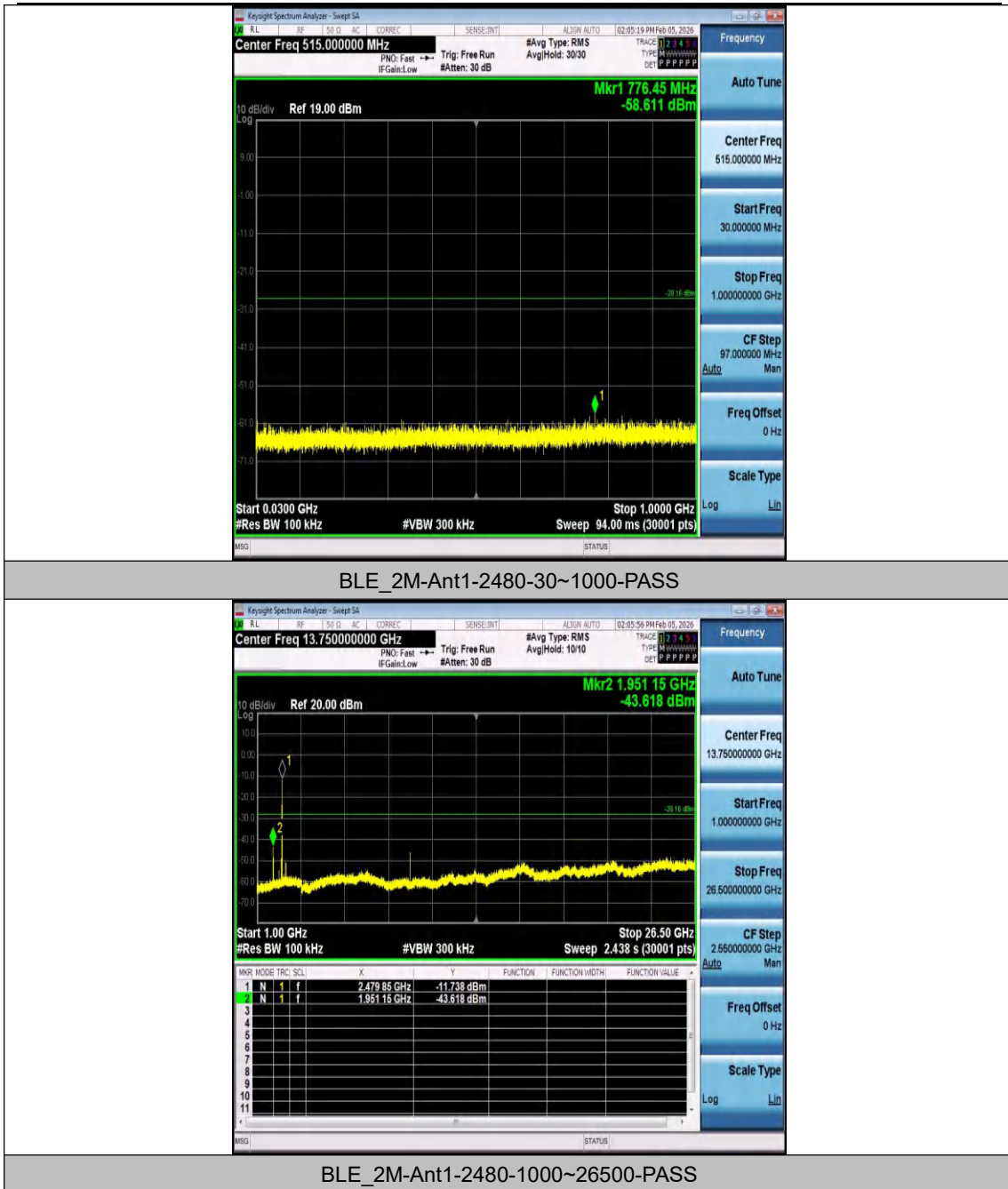
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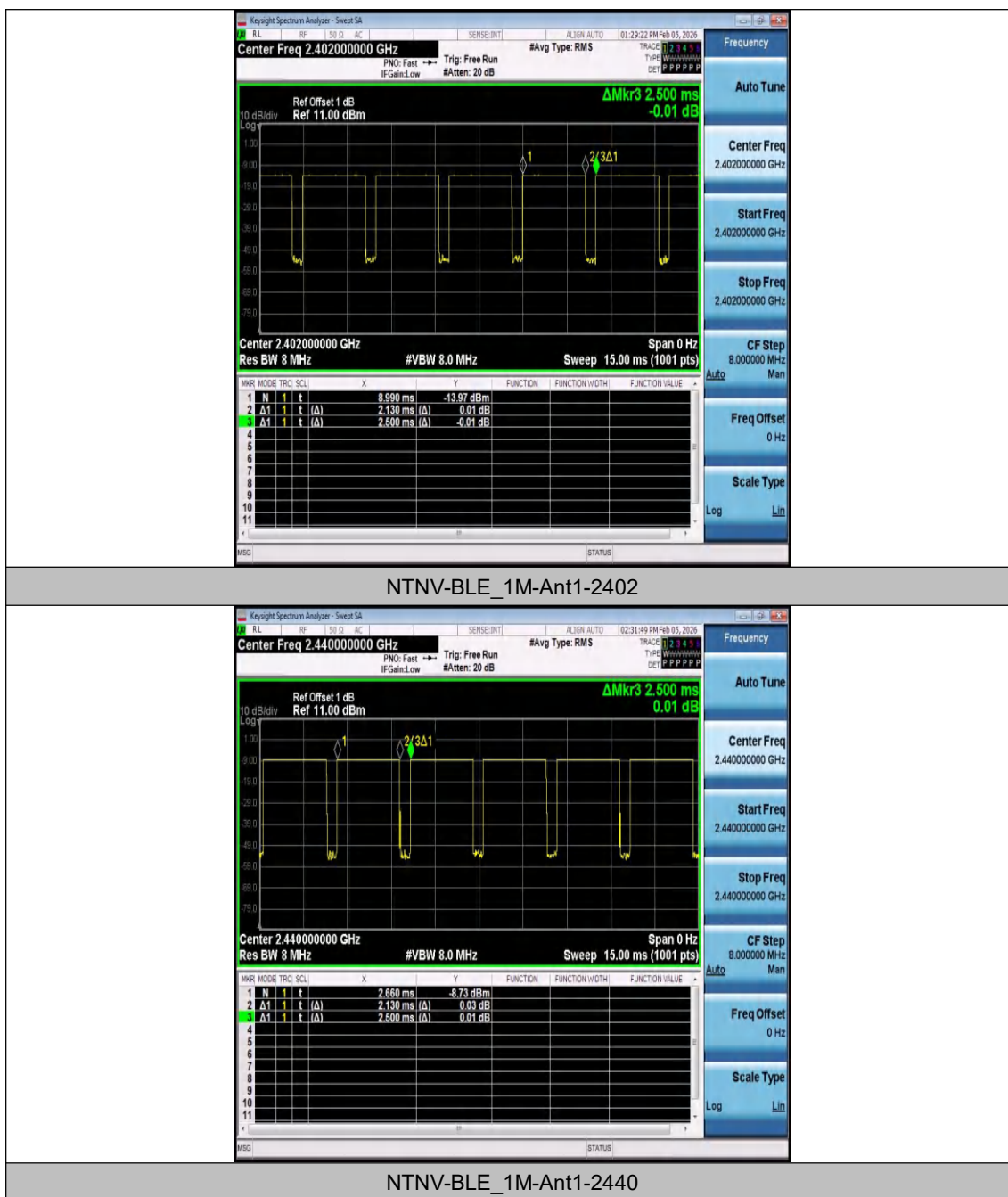
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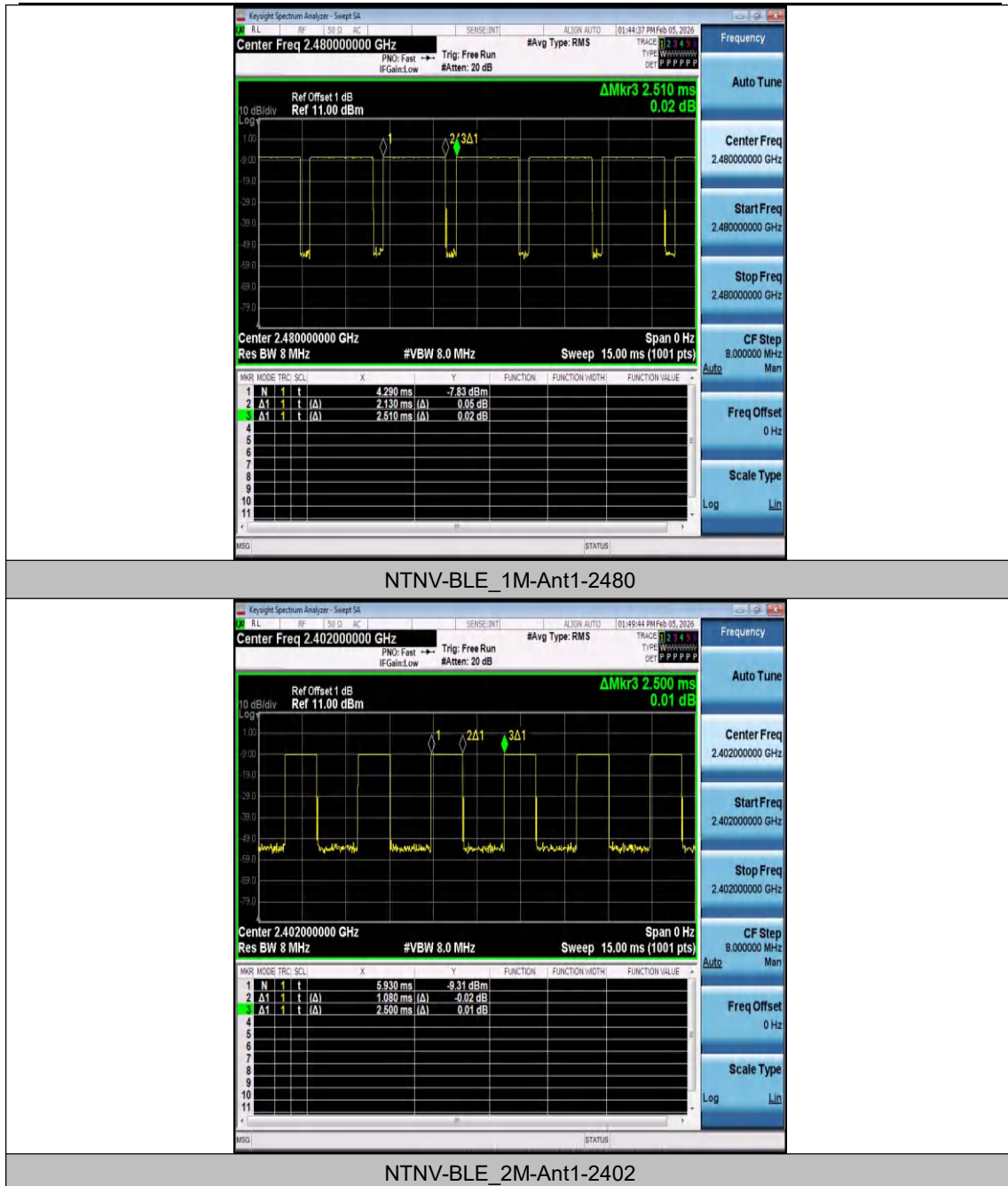
Appendix G: Duty Cycle

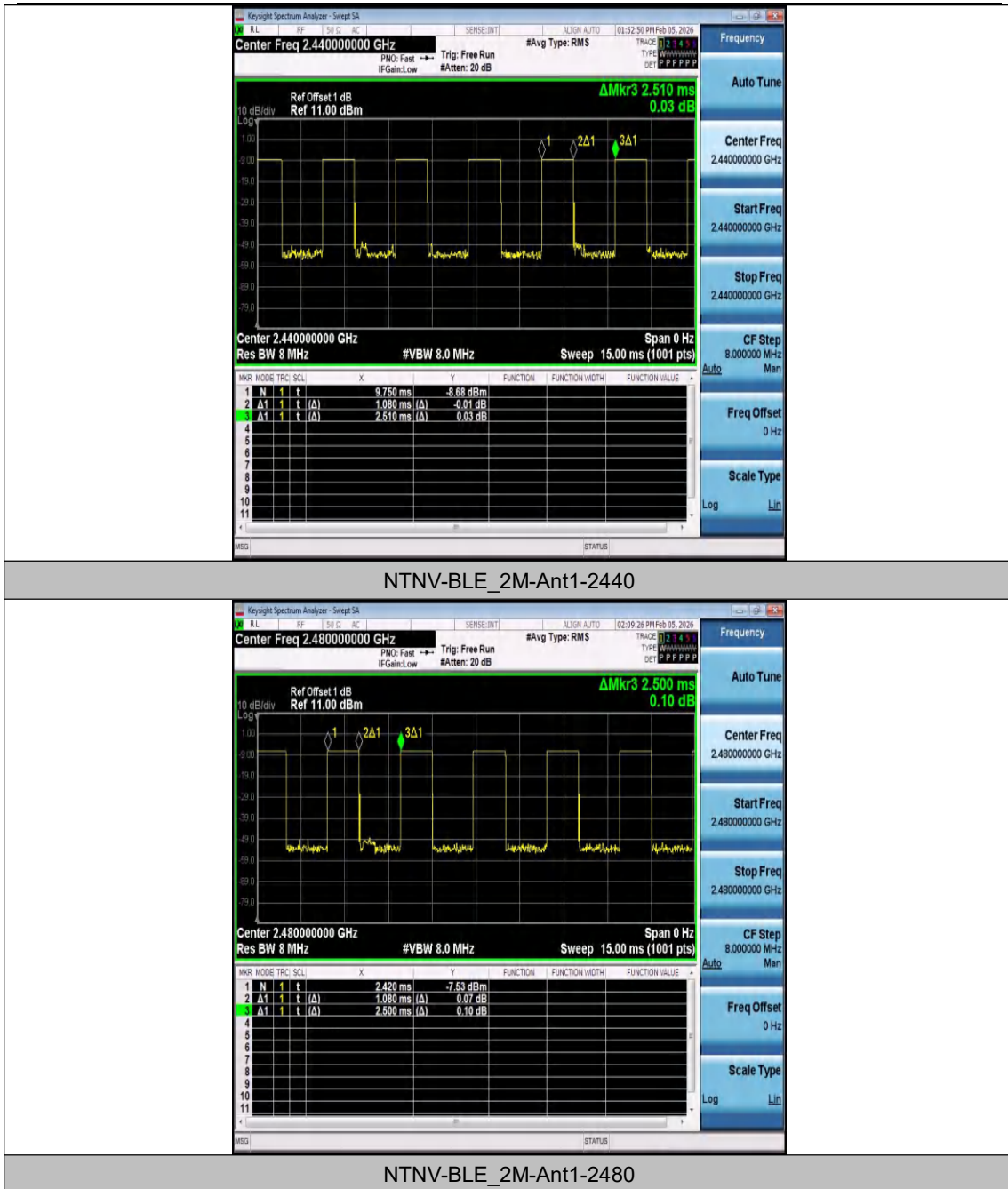
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71
BLE_2M	Ant1	2402	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2440	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2480	1.08	2.50	43.20	3.65

Test Graphs







---End---