

Appendix Test Data

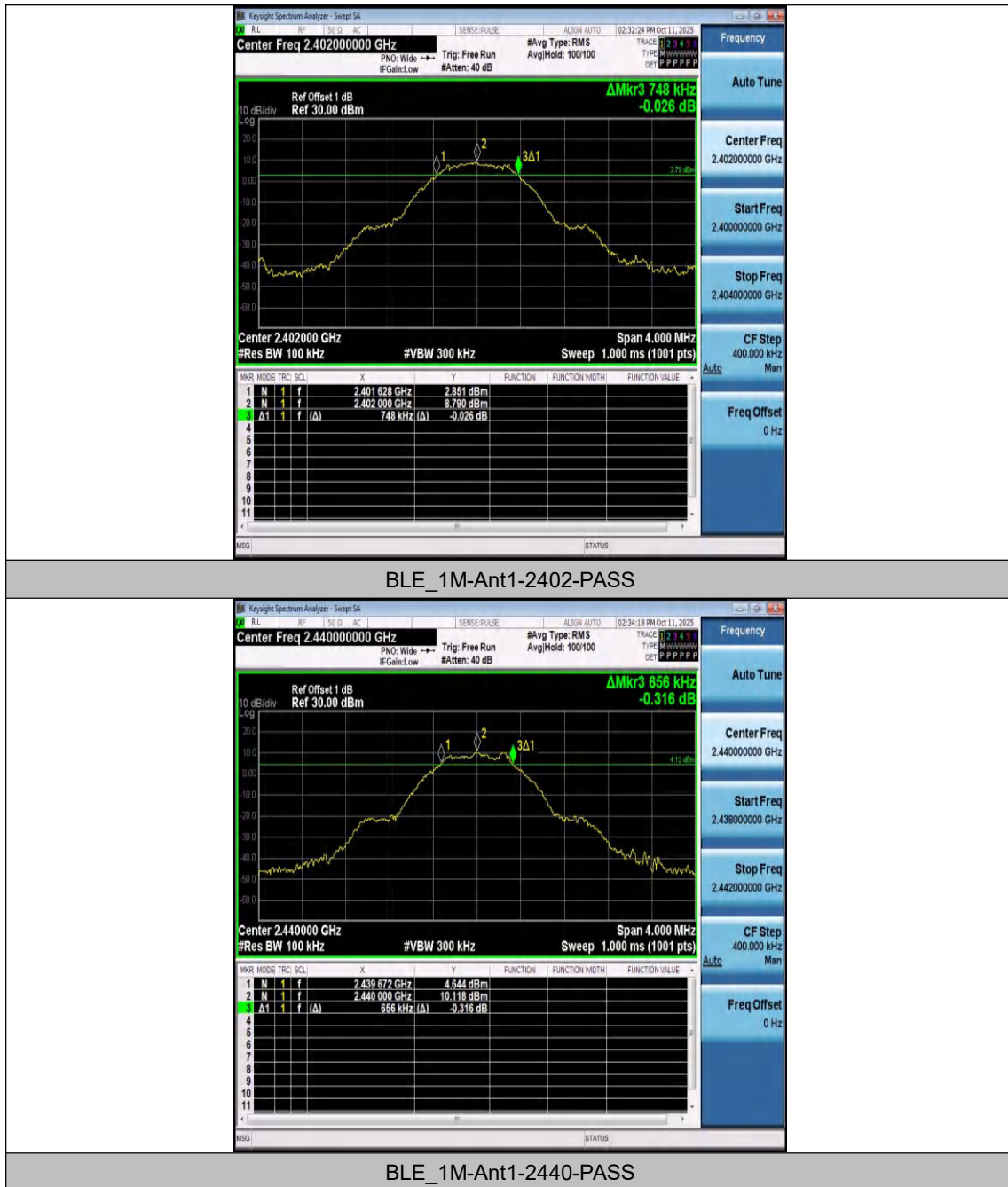
Report No.:	9812C50019412501	Test Sample No.:	1-2-2
Start Test Date:	2025-10-11	Finish Test Date:	2025-10-11
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.2℃	Relative Humidity:	51%
Pressure:	101kPa		

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	0.748	2401.628	2402.376	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.672	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.708	2479.648	2480.356	0.5	PASS
BLE_2M	Ant1	2402	1.148	2401.428	2402.576	0.5	PASS
BLE_2M	Ant1	2440	1.148	2439.432	2440.580	0.5	PASS
BLE_2M	Ant1	2480	1.104	2479.440	2480.544	0.5	PASS

Test Graphs



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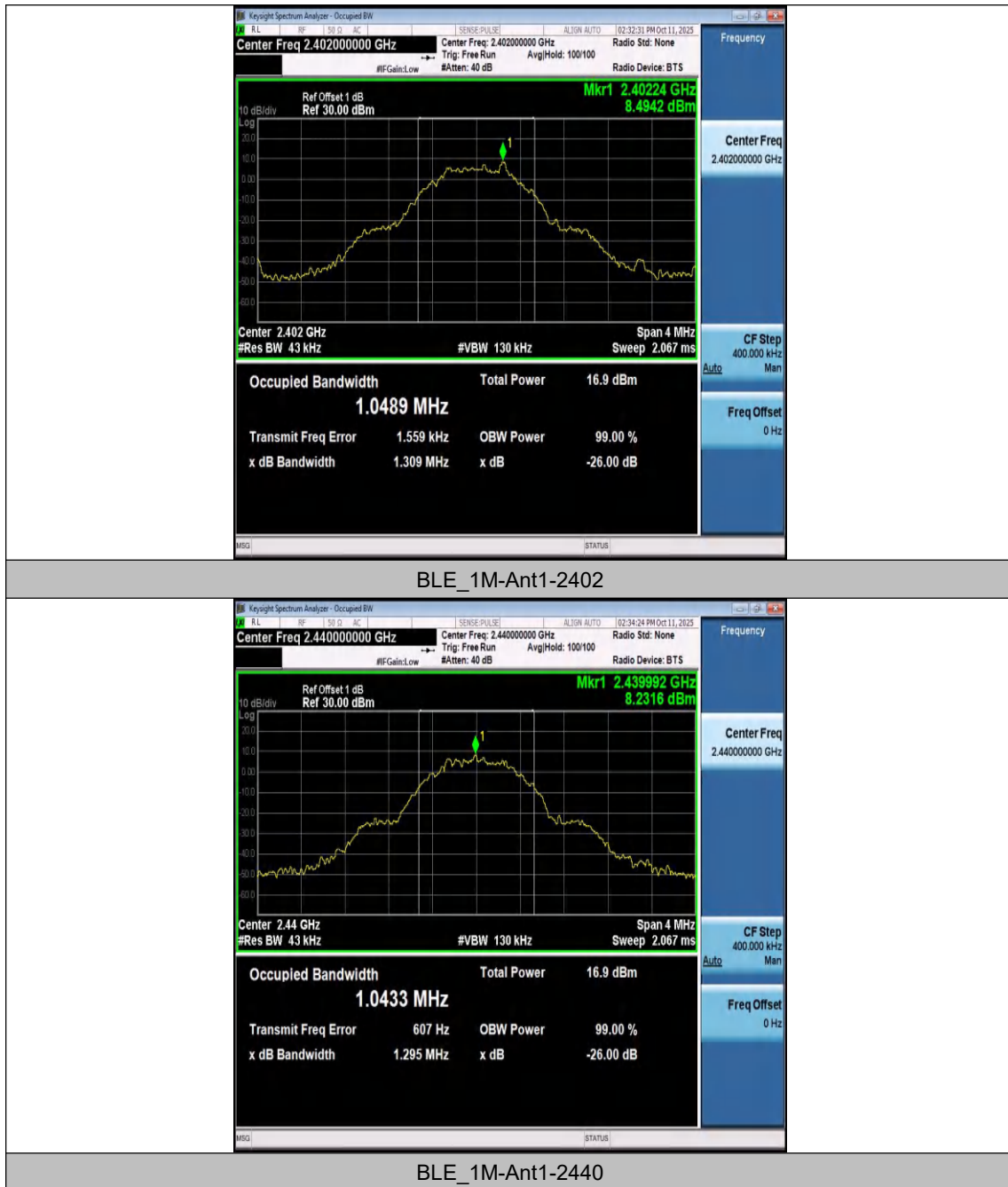
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0489	2401.4771	2402.5260	---	---
BLE_1M	Ant1	2440	1.0433	2439.4790	2440.5223	---	---
BLE_1M	Ant1	2480	1.0424	2479.4793	2480.5217	---	---
BLE_2M	Ant1	2402	2.0680	2400.9860	2403.0540	---	---
BLE_2M	Ant1	2440	2.0515	2438.9922	2441.0437	---	---
BLE_2M	Ant1	2480	2.0737	2478.9778	2481.0515	---	---

Test Graphs



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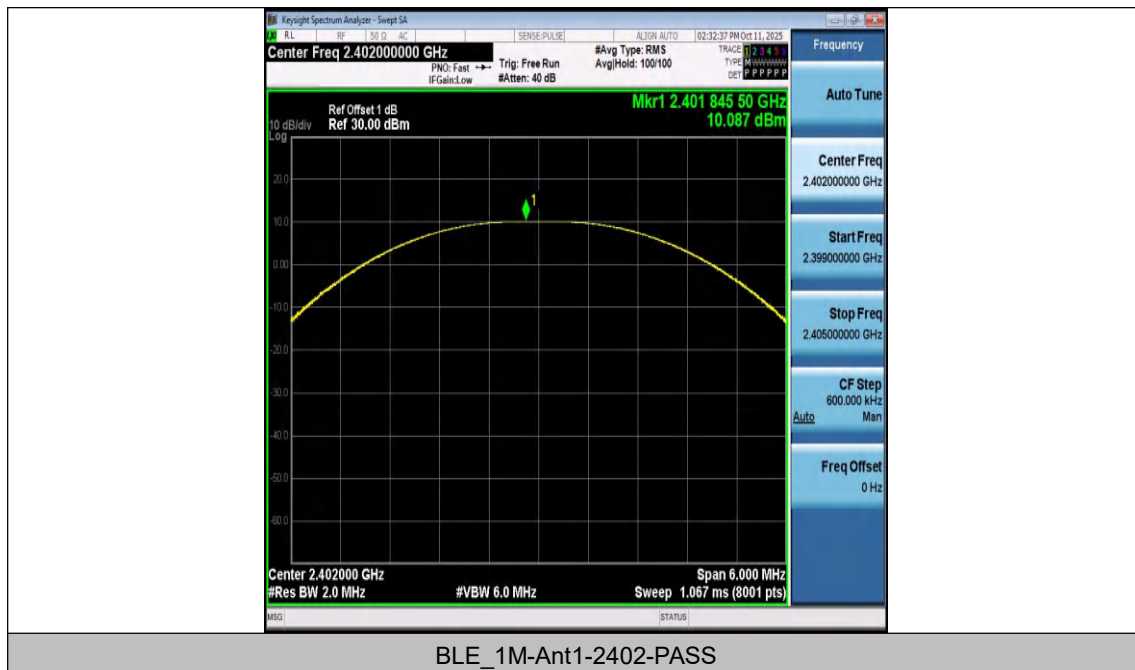
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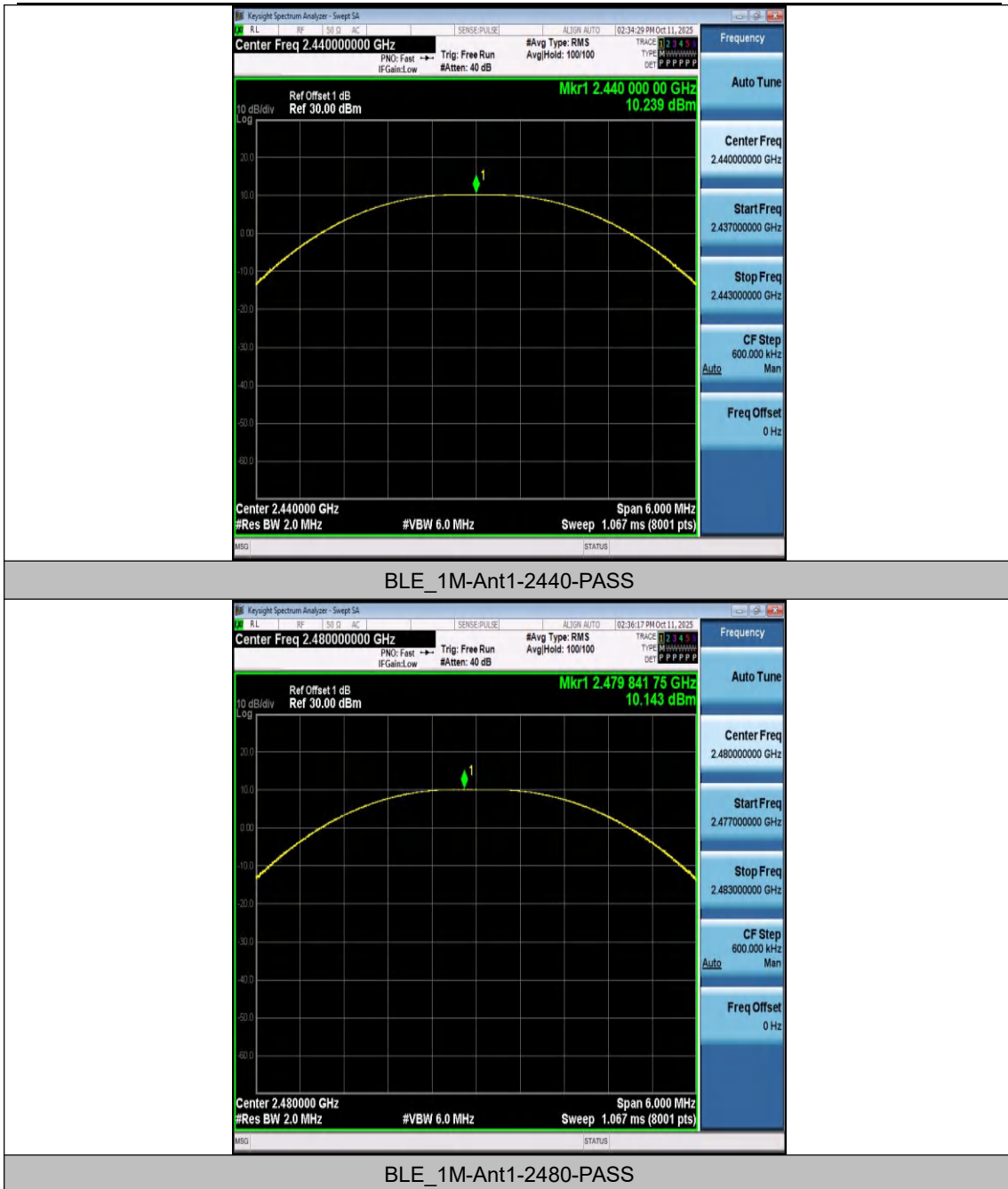
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	10.09	≤30	PASS
BLE_1M	Ant1	2440	10.24	≤30	PASS
BLE_1M	Ant1	2480	10.14	≤30	PASS
BLE_2M	Ant1	2402	10.18	≤30	PASS
BLE_2M	Ant1	2440	10.38	≤30	PASS
BLE_2M	Ant1	2480	10.28	≤30	PASS

Test Graphs Peak

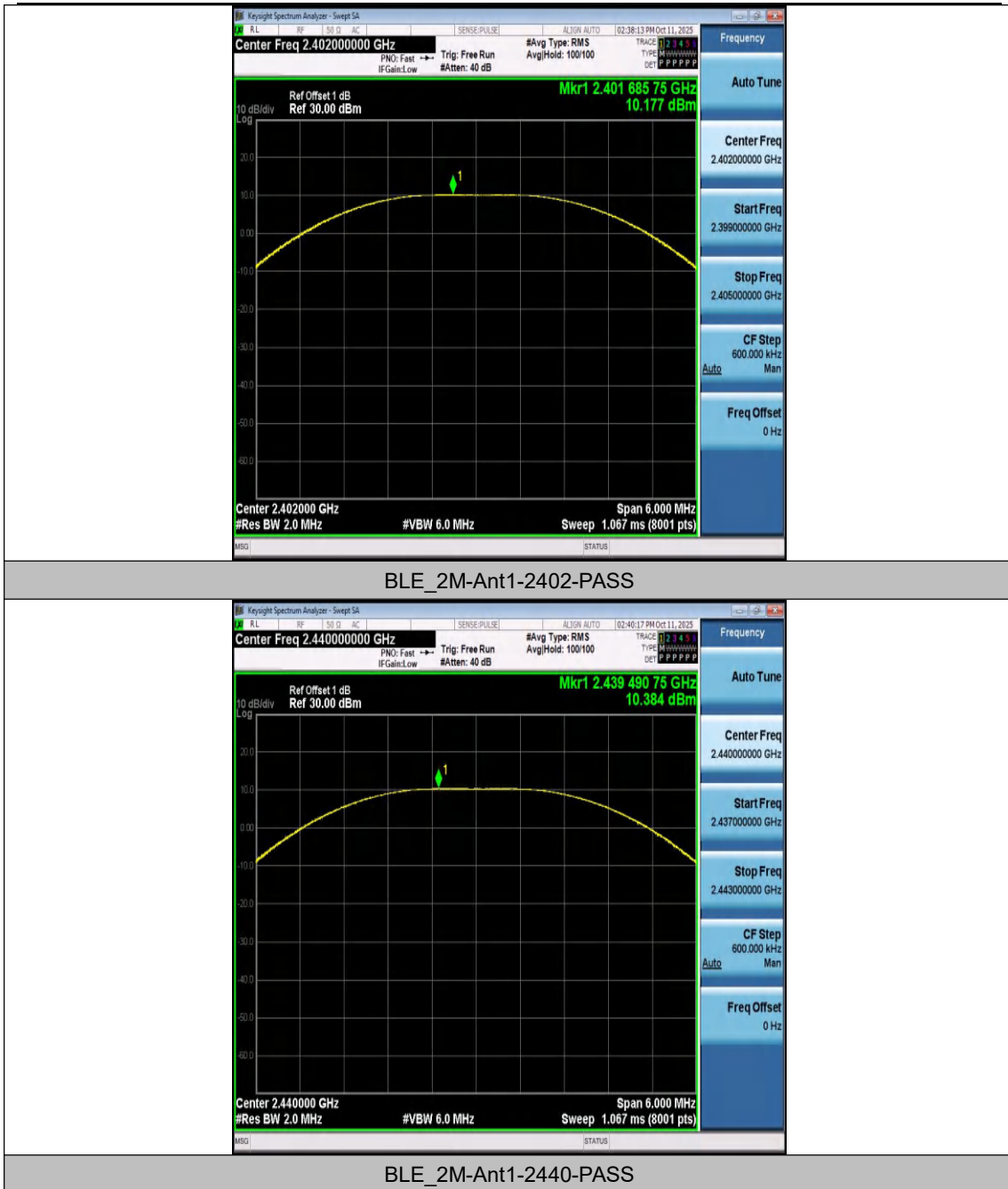




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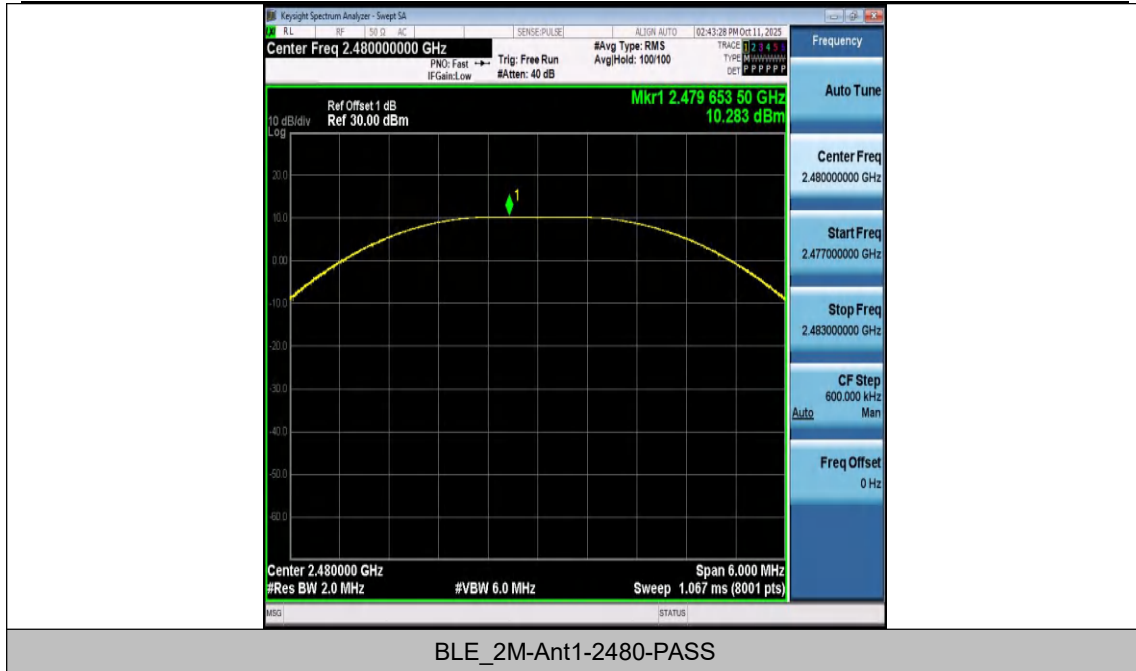
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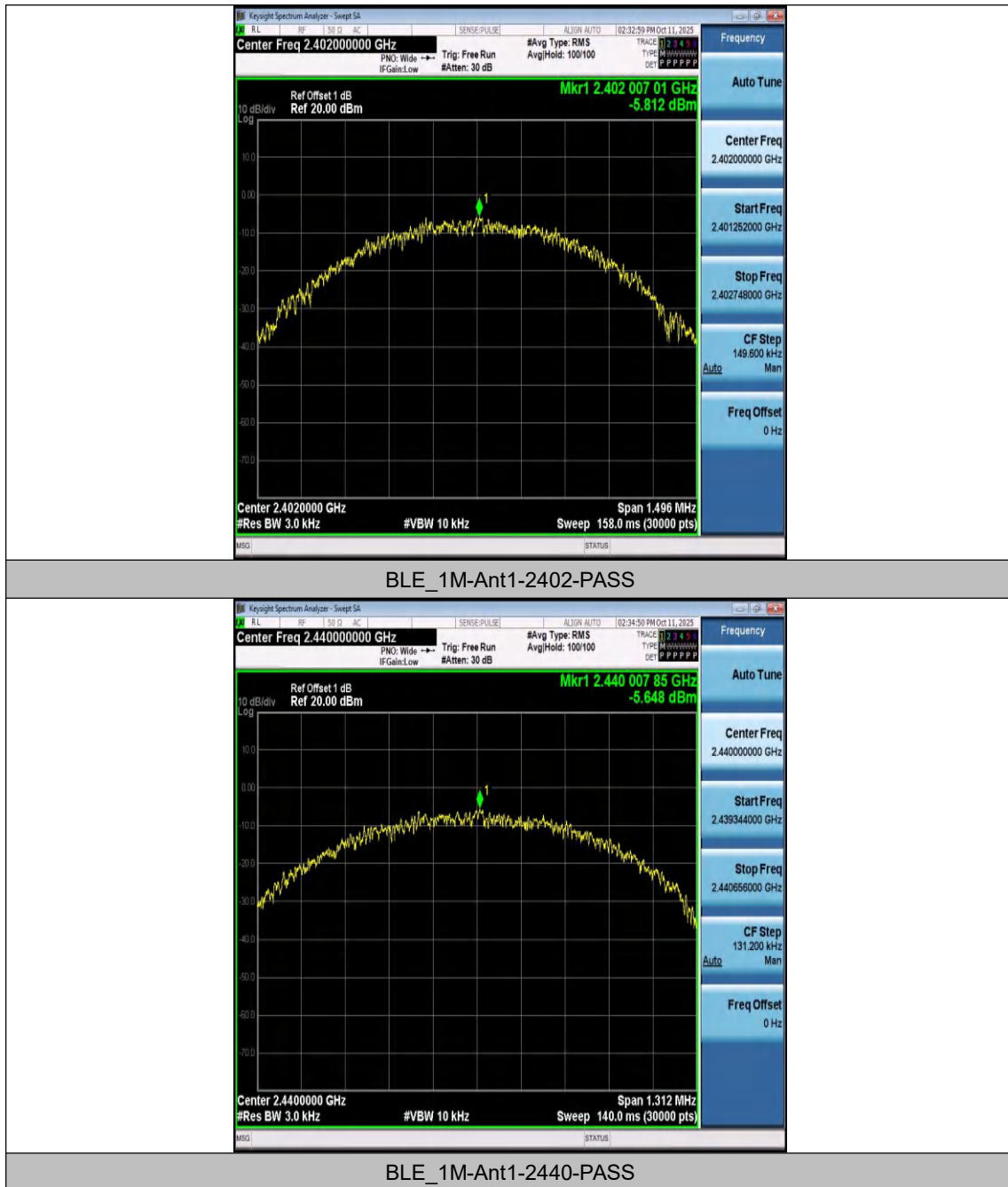
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.81	≤8.00	PASS
BLE_1M	Ant1	2440	-5.65	≤8.00	PASS
BLE_1M	Ant1	2480	-5.82	≤8.00	PASS
BLE_2M	Ant1	2402	-7.53	≤8.00	PASS
BLE_2M	Ant1	2440	-7.23	≤8.00	PASS
BLE_2M	Ant1	2480	-7.34	≤8.00	PASS

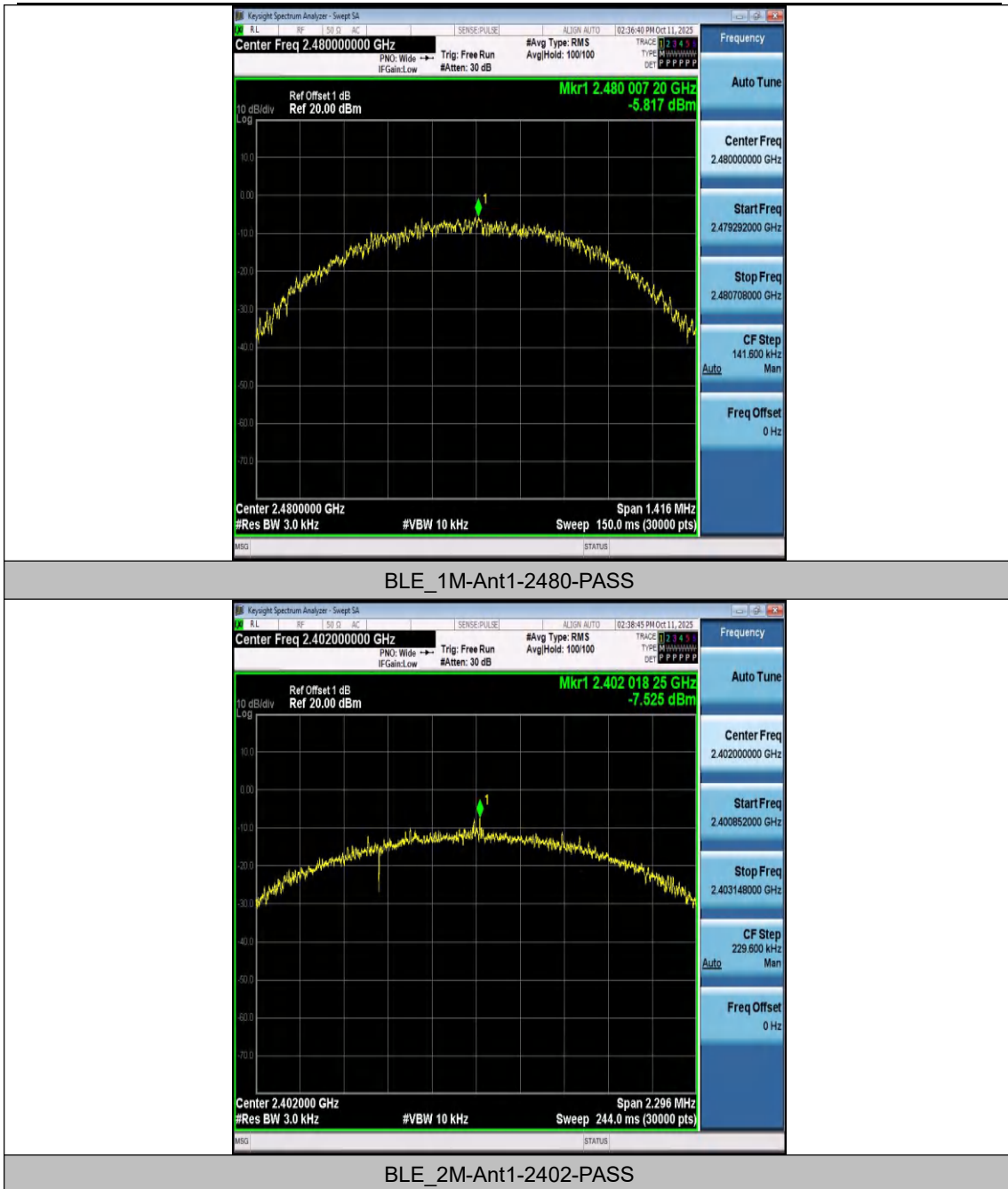
Test Graphs



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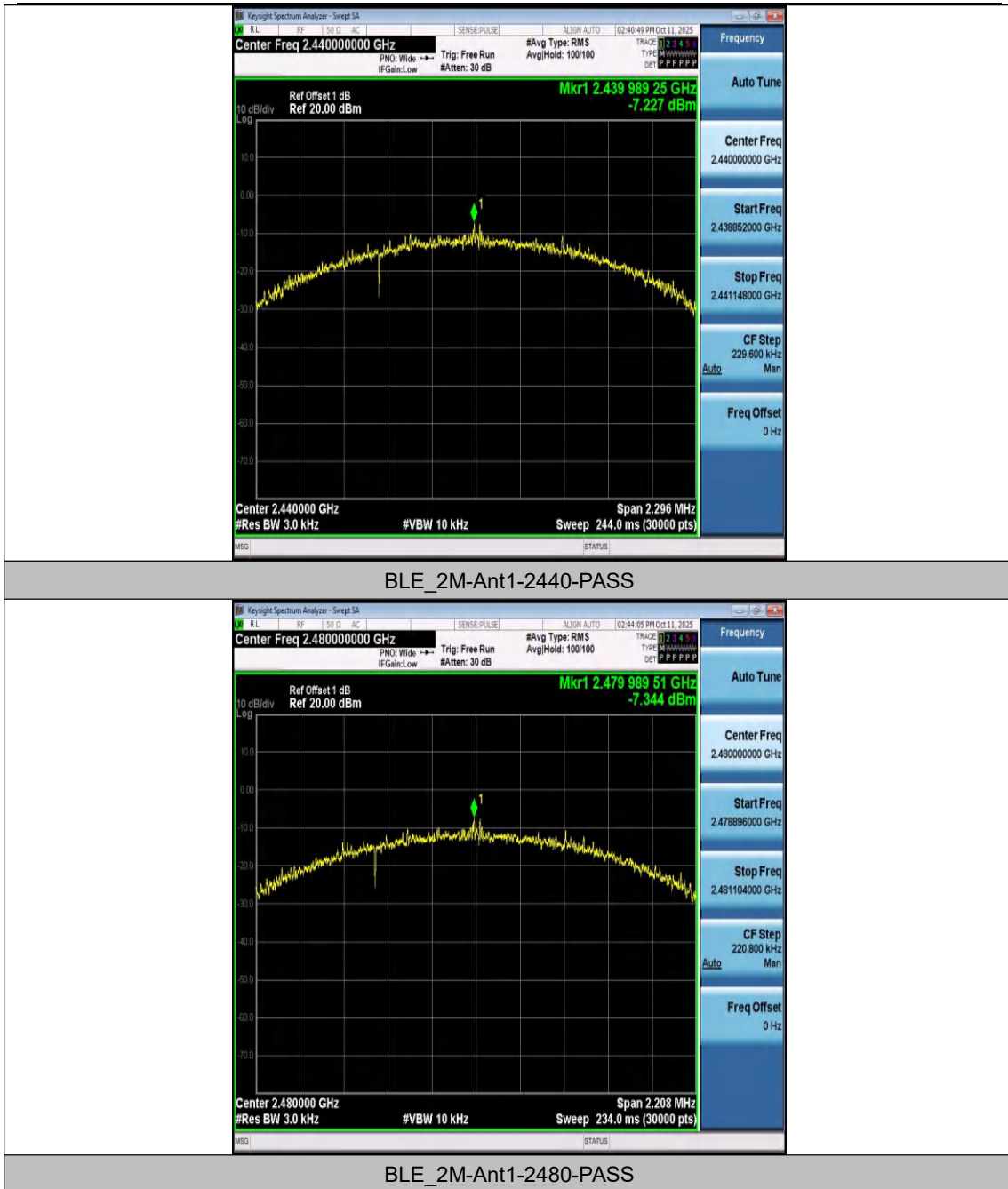
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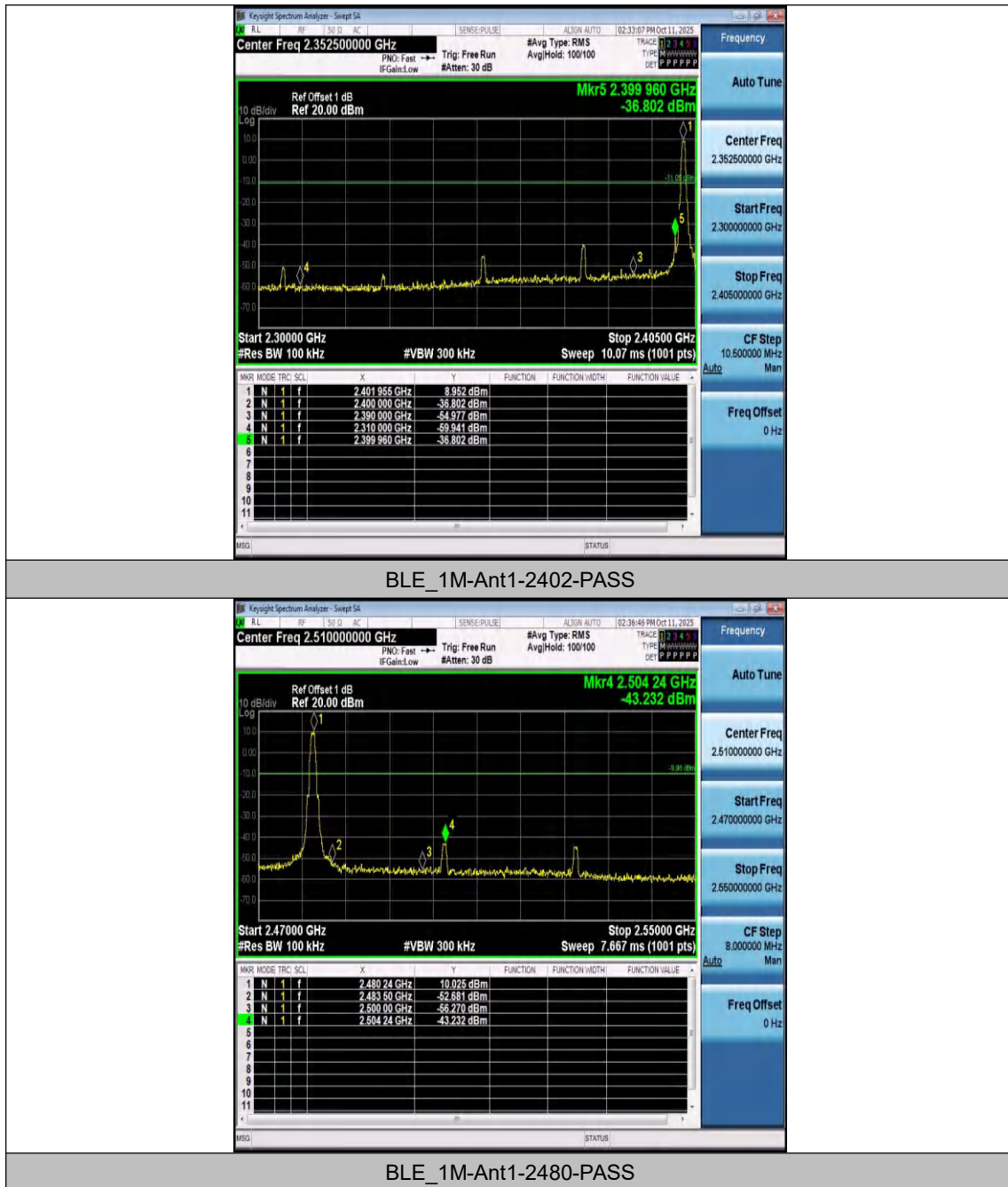
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	8.95	-36.8	≤-11.05	PASS
BLE_1M	Ant1	High	2480	10.03	-43.23	≤-9.98	PASS
BLE_2M	Ant1	Low	2402	9.31	-24.95	≤-10.69	PASS
BLE_2M	Ant1	High	2480	6.95	-42.9	≤-13.05	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

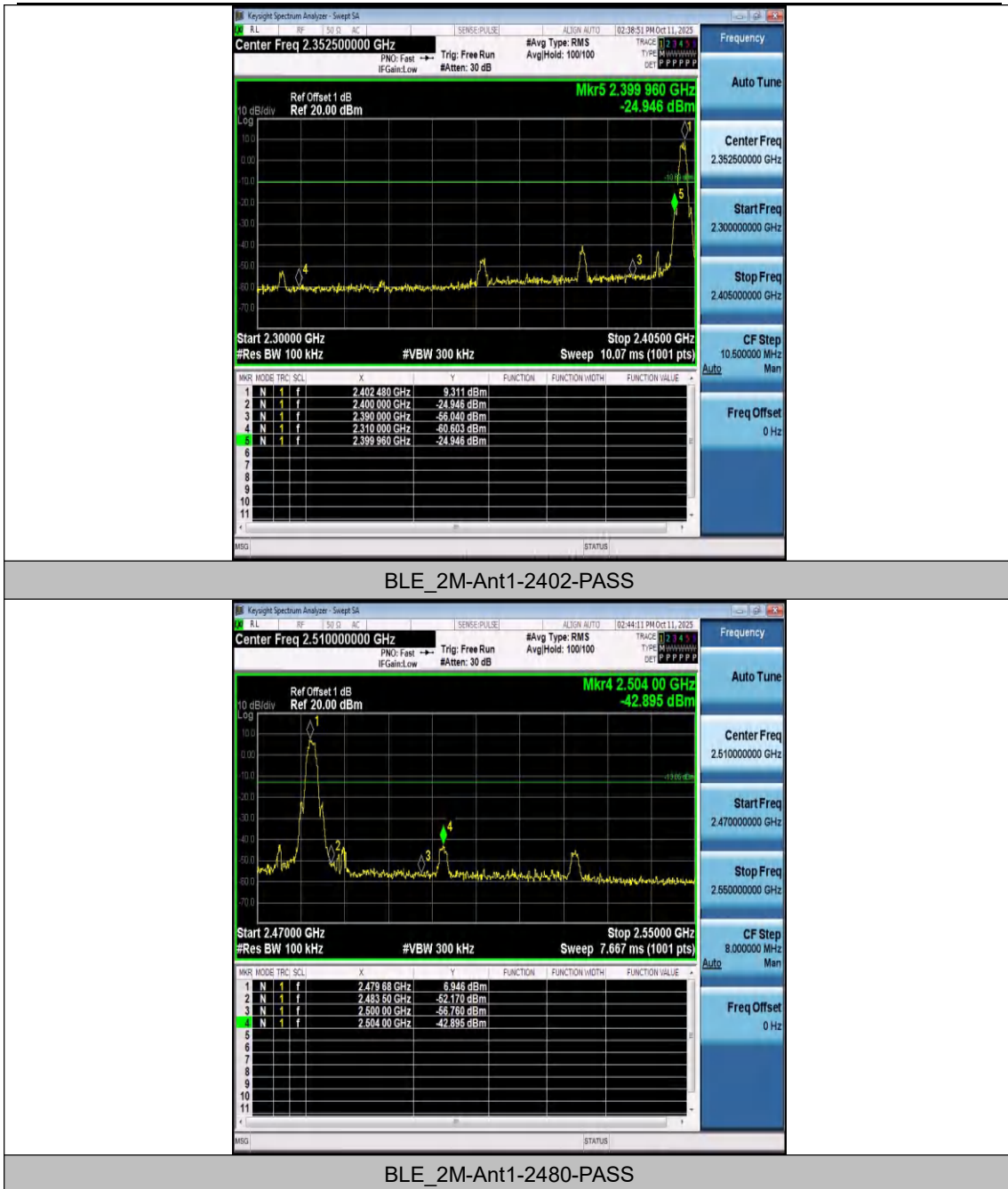
Test Graphs



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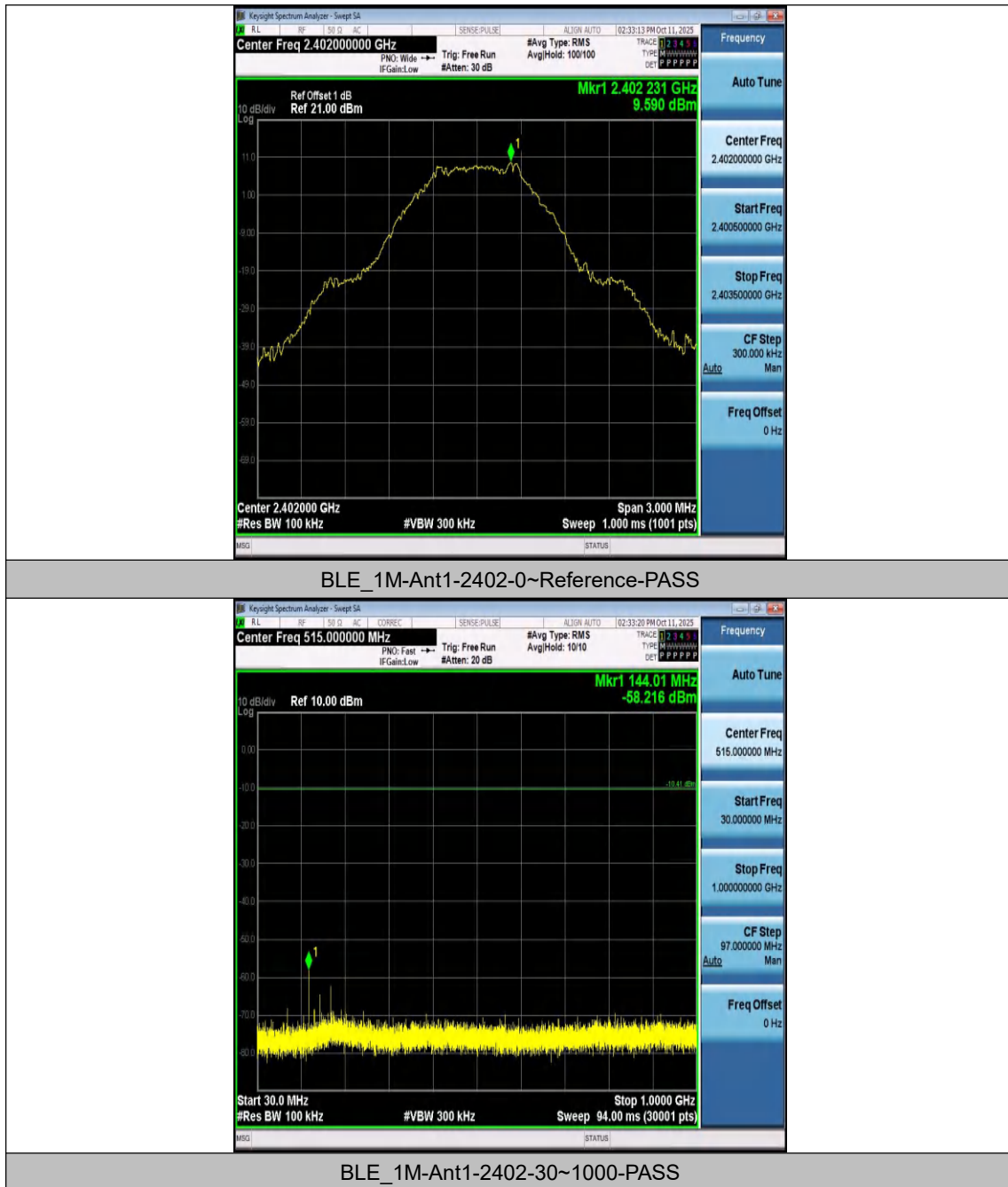
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	9.59	9.59	---	PASS
BLE_1M	Ant1	2402	30~1000	9.59	-58.22	≤-10.41	PASS
BLE_1M	Ant1	2402	1000~26500	9.59	-38.03	≤-10.41	PASS
BLE_1M	Ant1	2440	0~Reference	9.95	9.95	---	PASS
BLE_1M	Ant1	2440	30~1000	9.95	-59.11	≤-10.05	PASS
BLE_1M	Ant1	2440	1000~26500	9.95	-37.93	≤-10.05	PASS
BLE_1M	Ant1	2480	0~Reference	9.97	9.97	---	PASS
BLE_1M	Ant1	2480	30~1000	9.97	-58.46	≤-10.03	PASS
BLE_1M	Ant1	2480	1000~26500	9.97	-39.21	≤-10.03	PASS
BLE_2M	Ant1	2402	0~Reference	9.14	9.14	---	PASS
BLE_2M	Ant1	2402	30~1000	9.14	-57.51	≤-10.86	PASS
BLE_2M	Ant1	2402	1000~26500	9.14	-39.82	≤-10.86	PASS
BLE_2M	Ant1	2440	0~Reference	10.12	10.12	---	PASS
BLE_2M	Ant1	2440	30~1000	10.12	-57.99	≤-9.88	PASS
BLE_2M	Ant1	2440	1000~26500	10.12	-40.09	≤-9.88	PASS
BLE_2M	Ant1	2480	0~Reference	10.10	10.10	---	PASS
BLE_2M	Ant1	2480	30~1000	10.10	-57.72	≤-9.9	PASS
BLE_2M	Ant1	2480	1000~26500	10.10	-39.16	≤-9.9	PASS

Remark: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs



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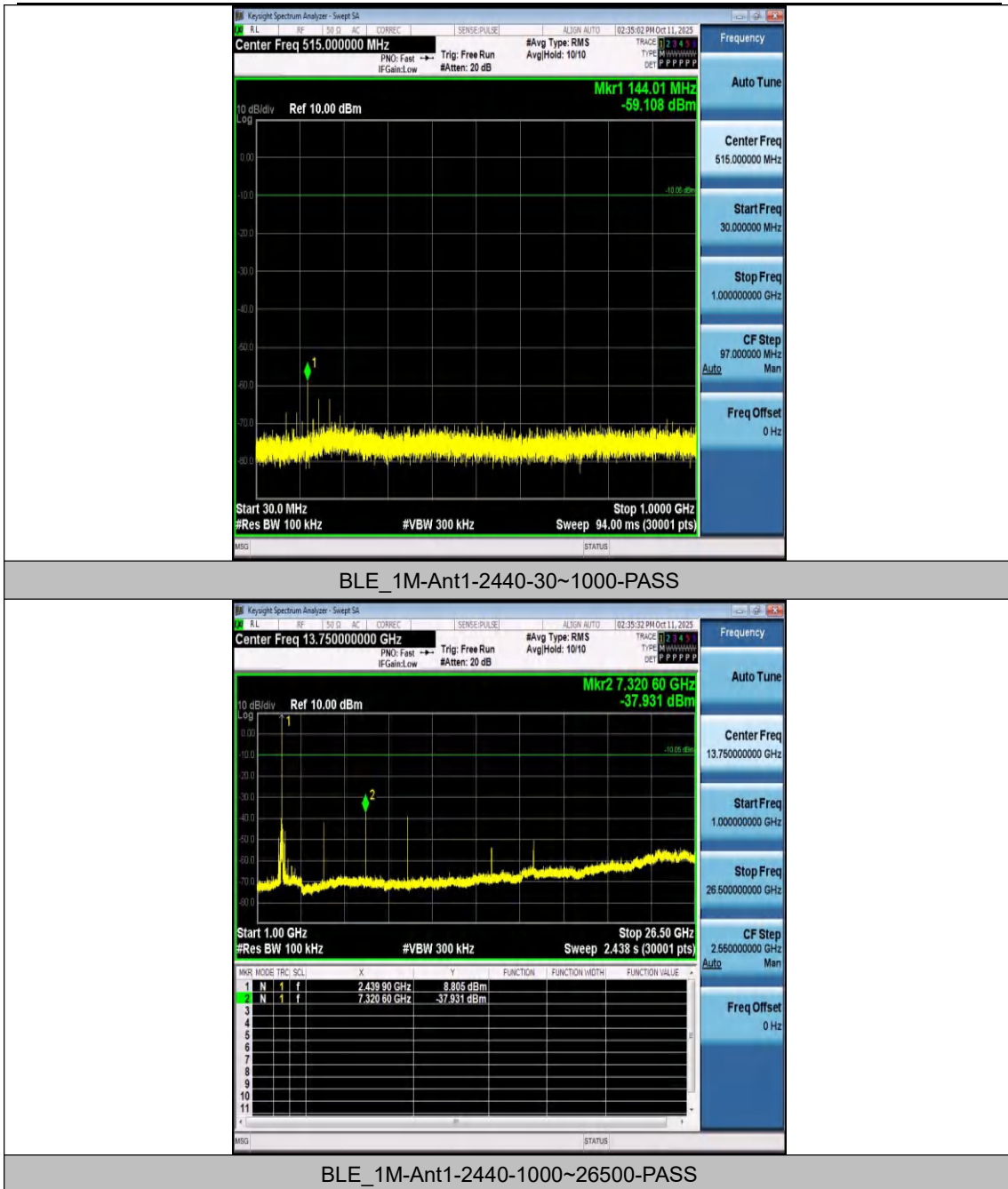
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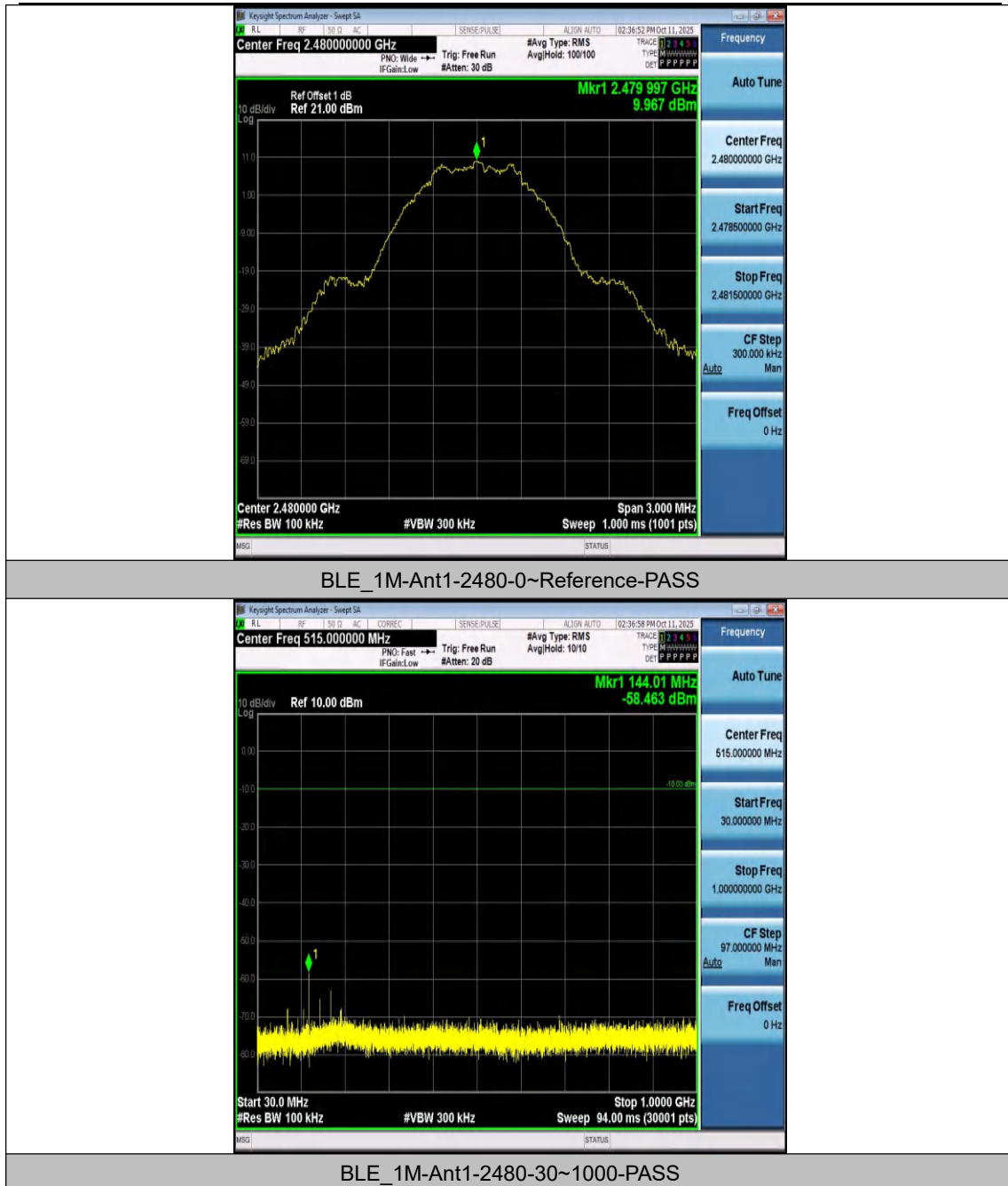
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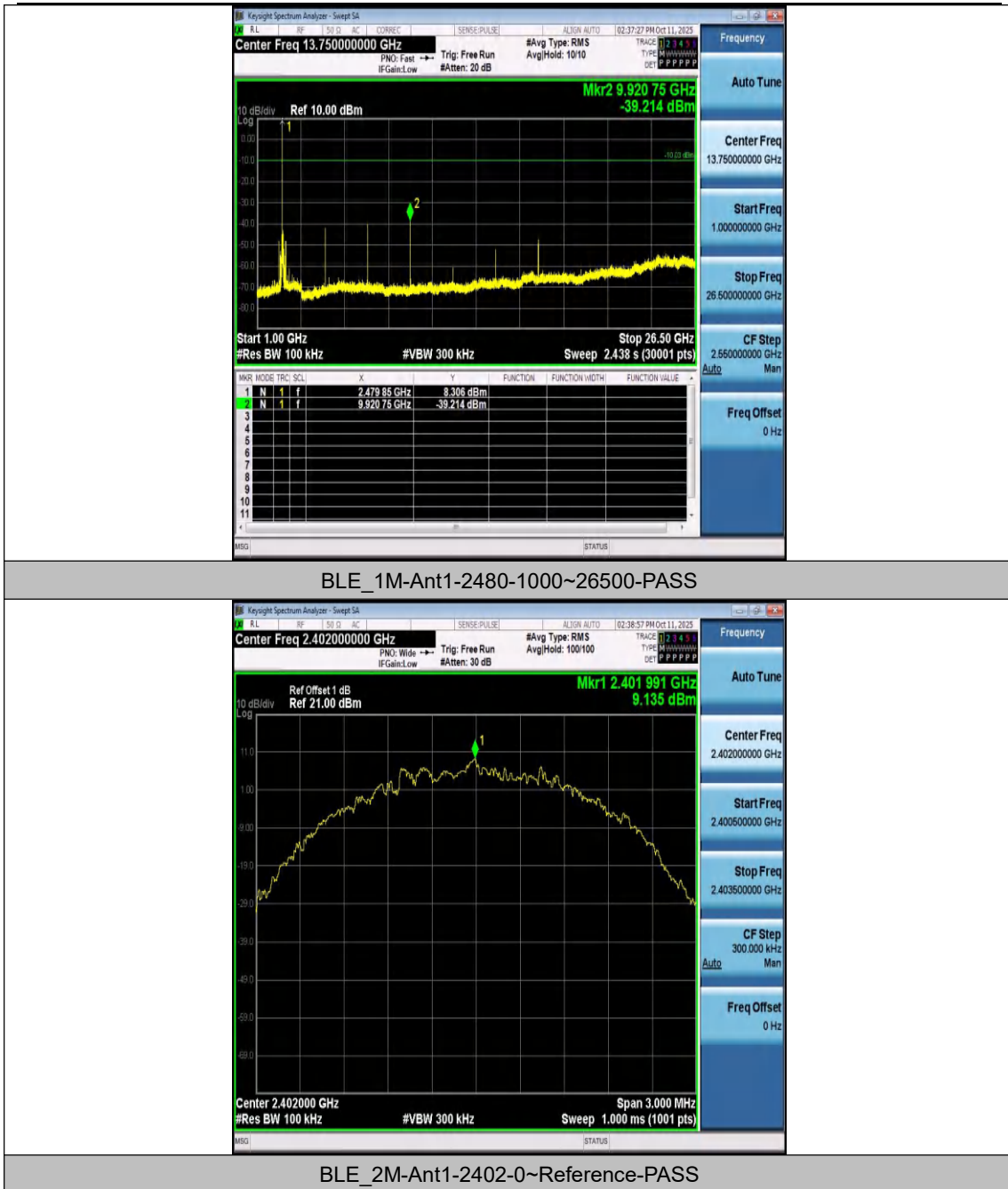
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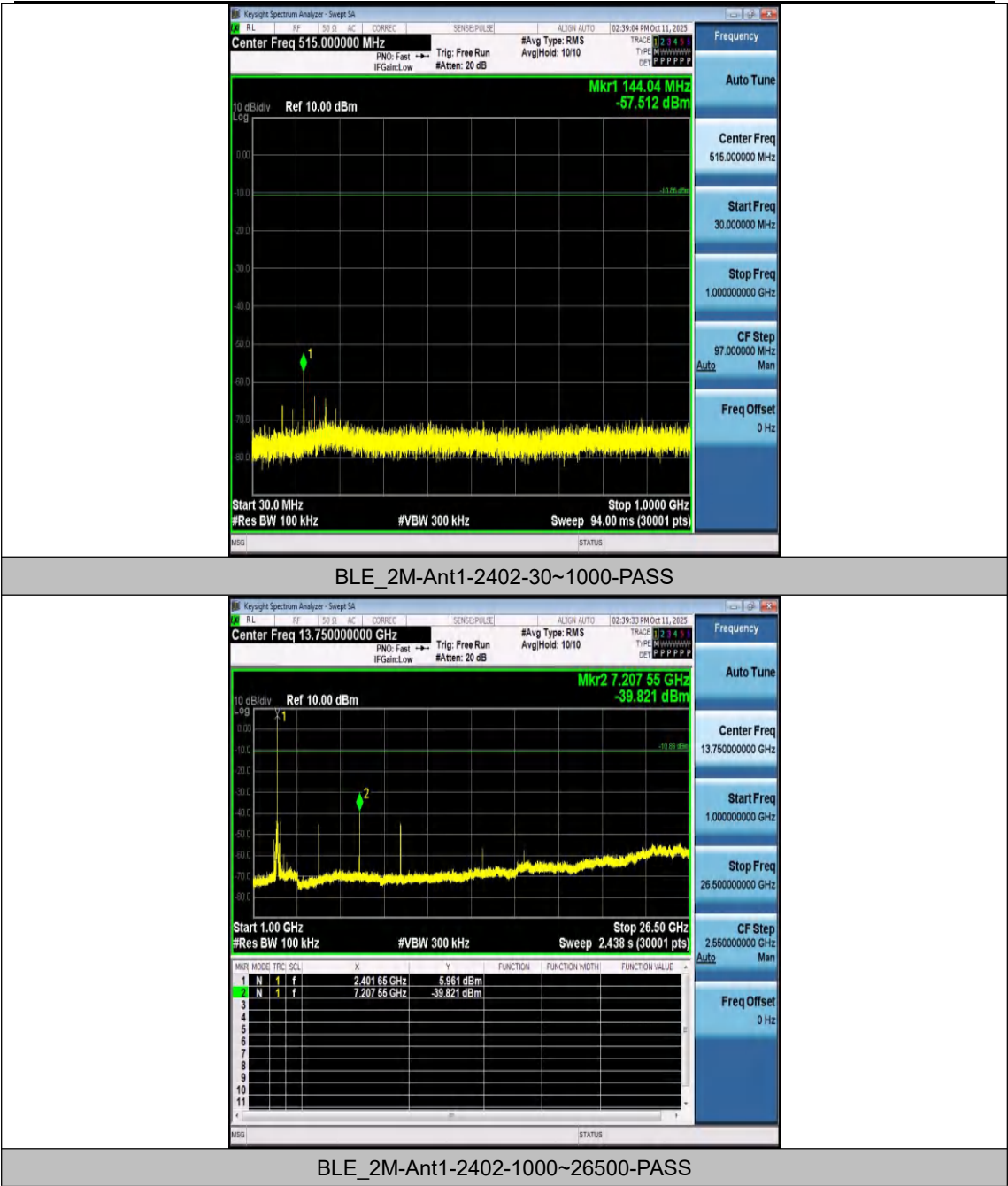
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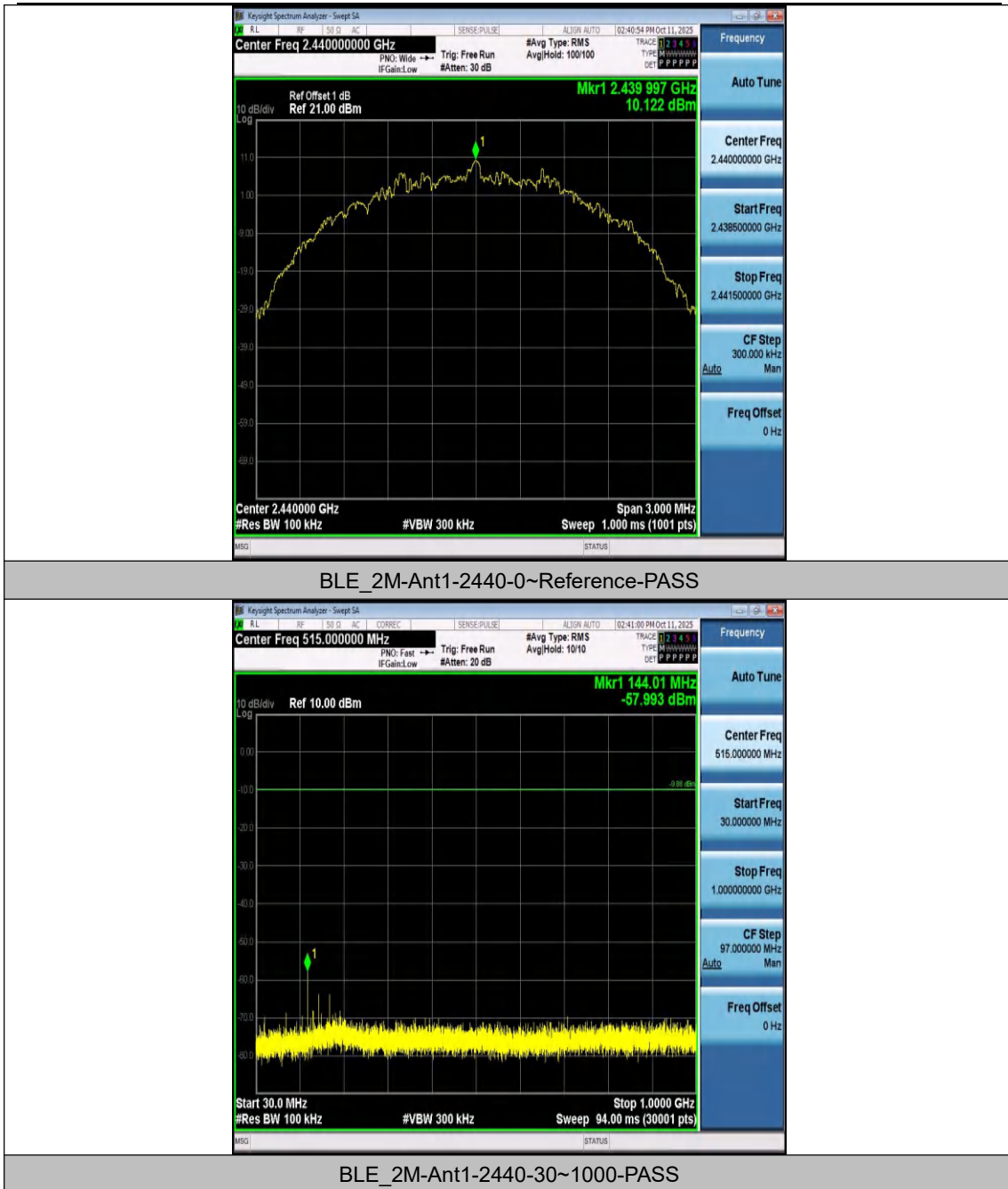
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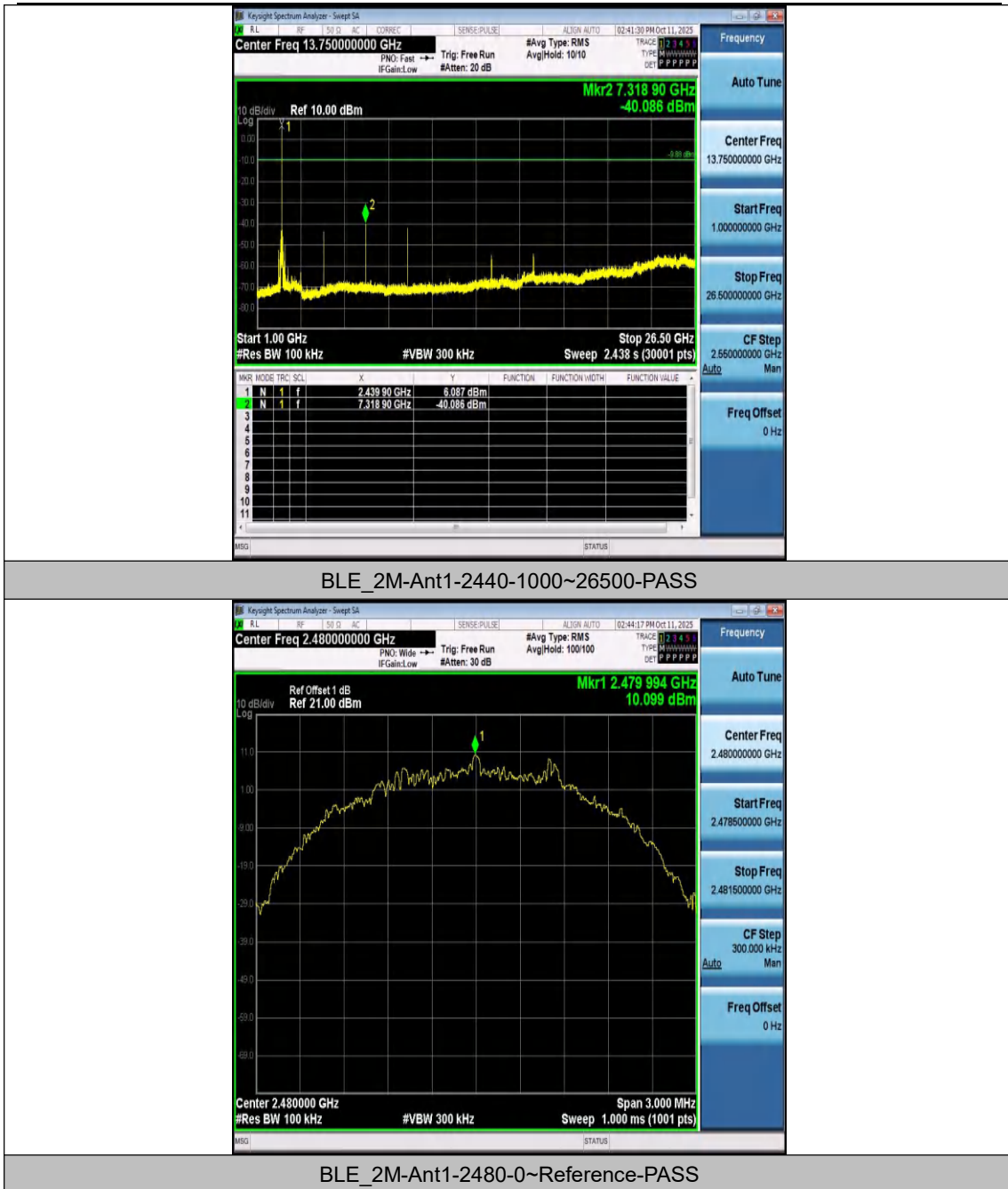
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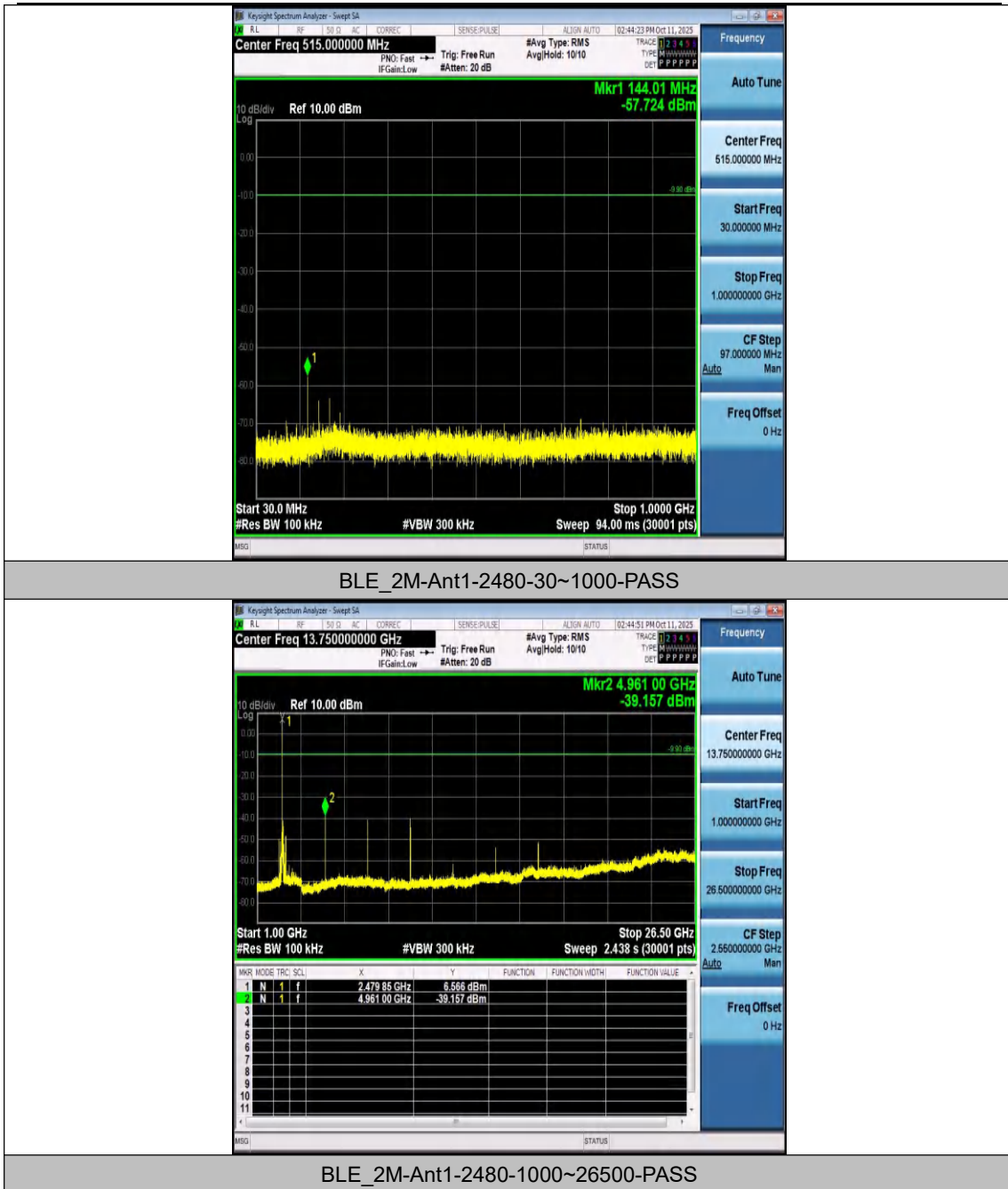
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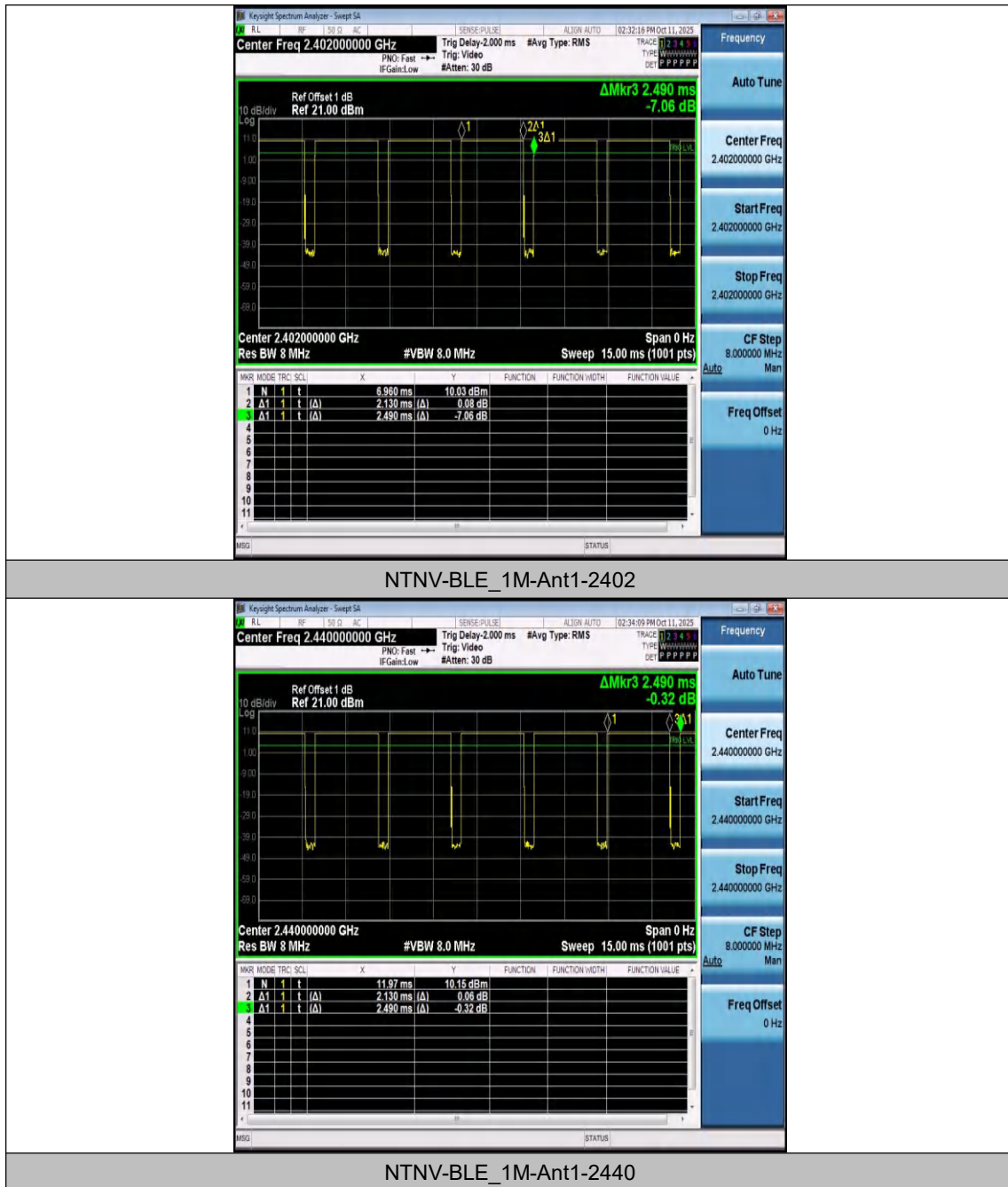
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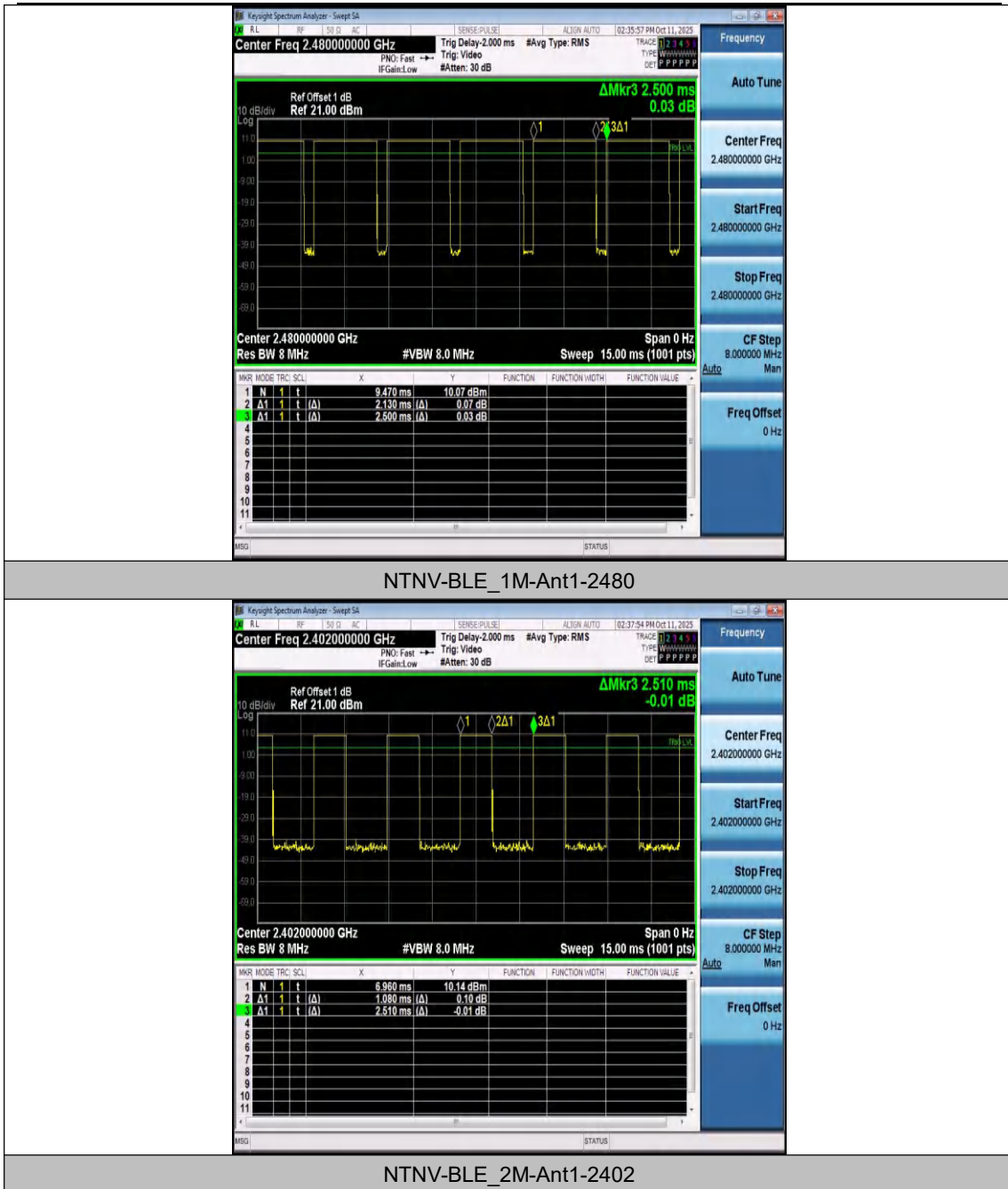
Appendix G: Duty Cycle

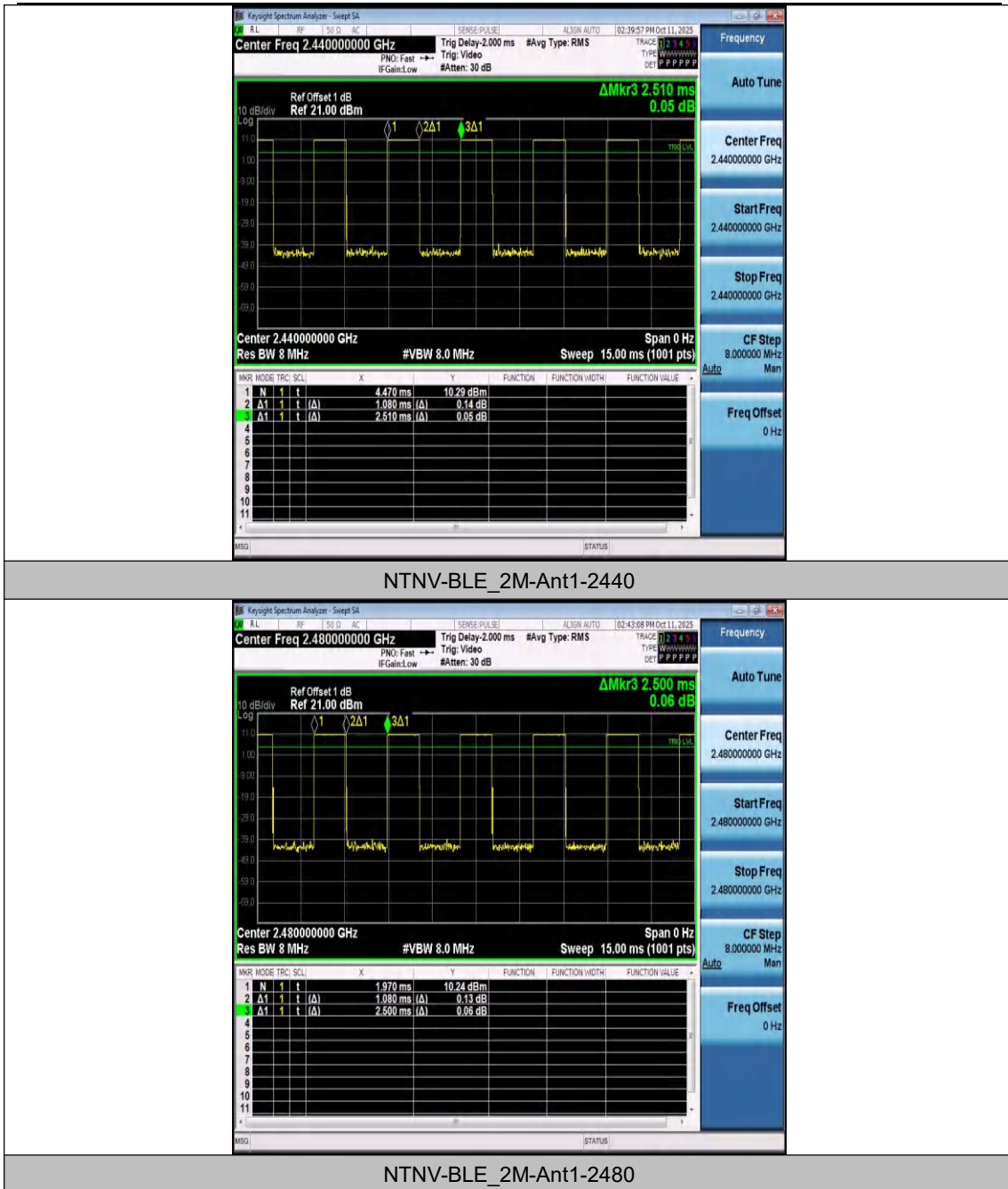
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.49	85.54	0.68
BLE_1M	Ant1	2440	2.13	2.49	85.54	0.68
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.08	2.51	43.03	3.66
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---