

Appendix Test Data

Report No.:	1825C60002812502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-03-06	Finish Test Date:	2026-03-09
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23.1℃	Relative Humidity:	50%
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	0.660	2401.692	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.708	2439.664	2440.372	0.5	PASS
BLE_1M	Ant1	2480	0.708	2479.656	2480.364	0.5	PASS
BLE_2M	Ant1	2402	1.108	2401.460	2402.568	0.5	PASS
BLE_2M	Ant1	2440	1.212	2439.364	2440.576	0.5	PASS
BLE_2M	Ant1	2480	1.184	2479.388	2480.572	0.5	PASS

Test Graphs





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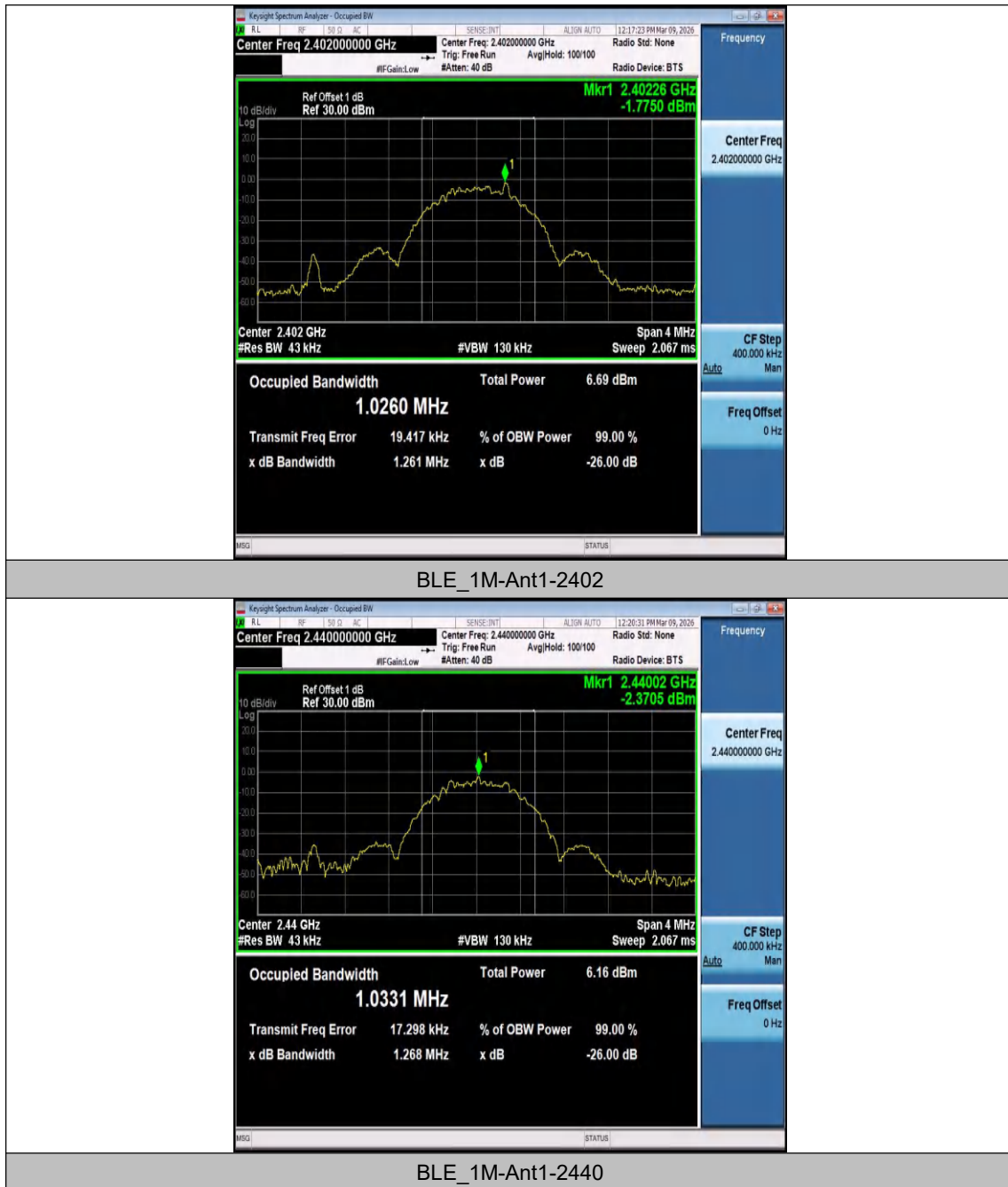
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0260	2401.5064	2402.5324	---	---
BLE_1M	Ant1	2440	1.0331	2439.5008	2440.5339	---	---
BLE_1M	Ant1	2480	1.0273	2479.5060	2480.5333	---	---
BLE_2M	Ant1	2402	2.0579	2400.9994	2403.0573	---	---
BLE_2M	Ant1	2440	2.0461	2439.0103	2441.0564	---	---
BLE_2M	Ant1	2480	2.0881	2478.9851	2481.0732	---	---

Test Graphs



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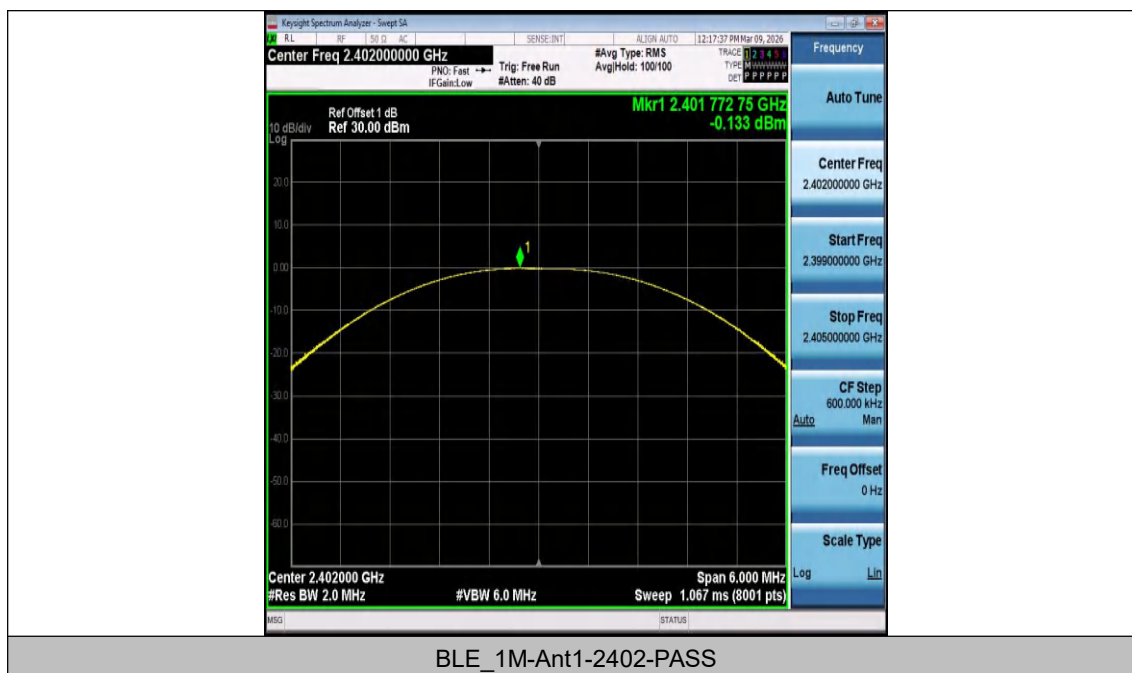
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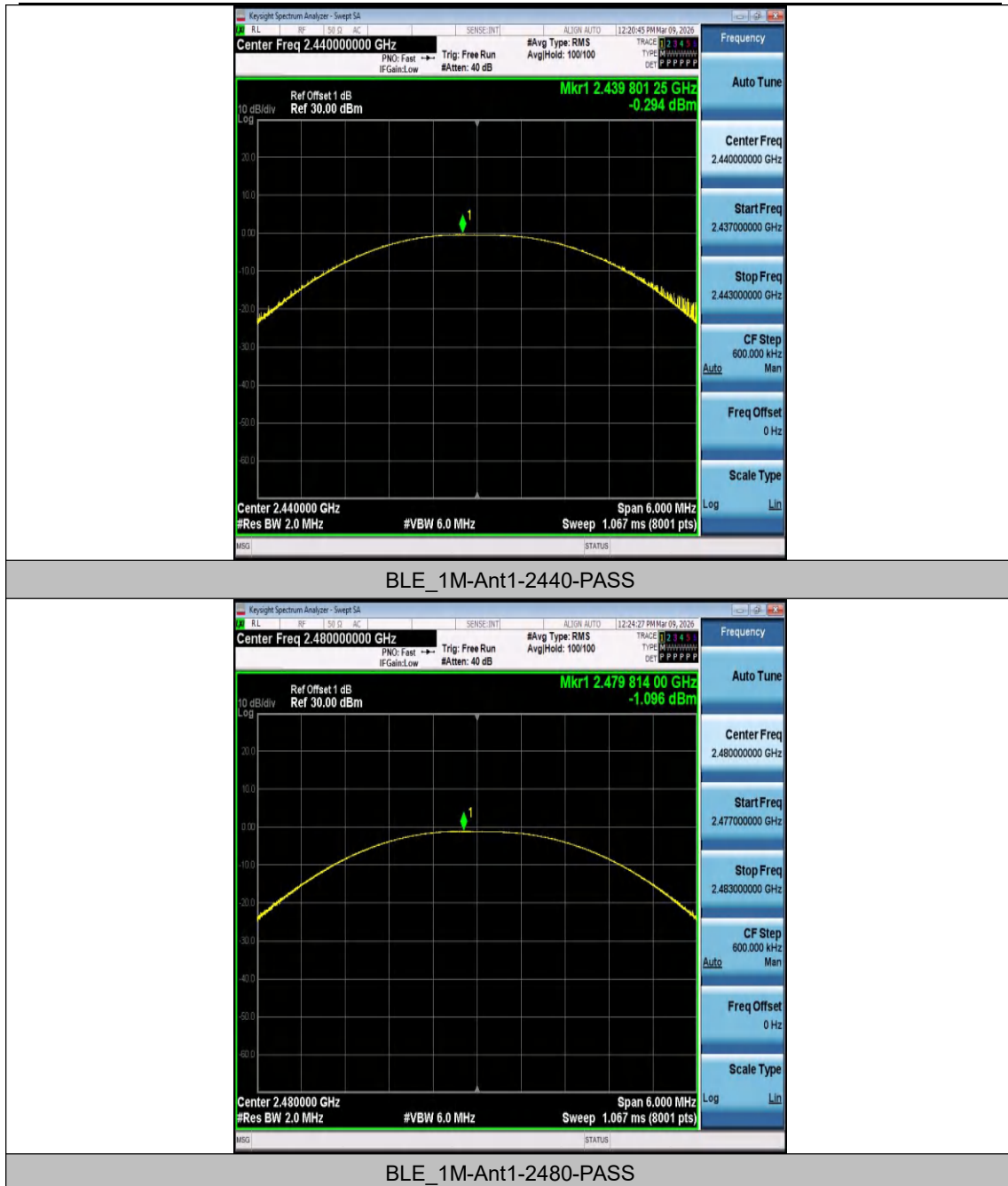
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.13	≤30	PASS
BLE_1M	Ant1	2440	-0.29	≤30	PASS
BLE_1M	Ant1	2480	-1.10	≤30	PASS
BLE_2M	Ant1	2402	-0.12	≤30	PASS
BLE_2M	Ant1	2440	-0.06	≤30	PASS
BLE_2M	Ant1	2480	-0.81	≤30	PASS

Test Graphs Peak

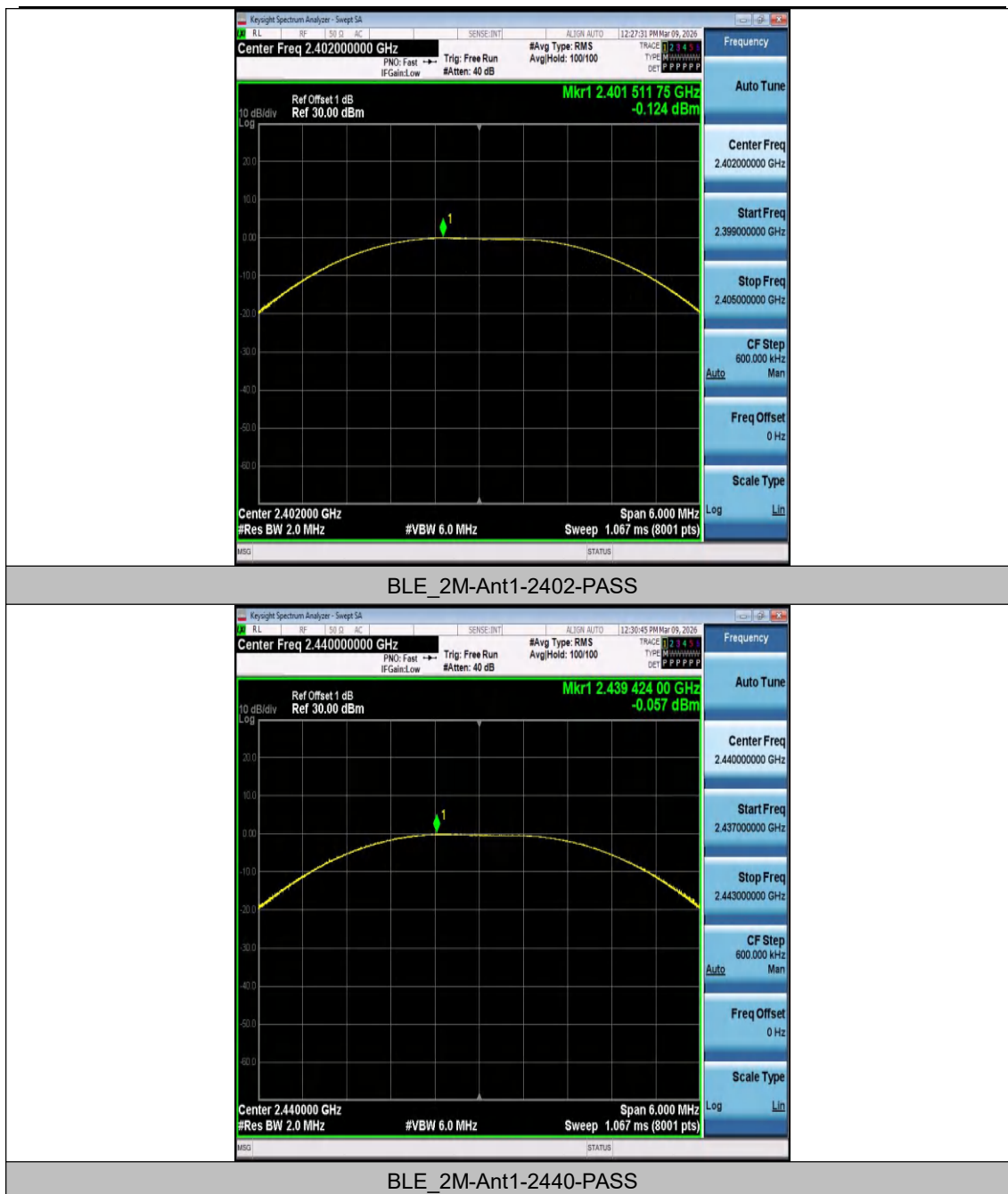




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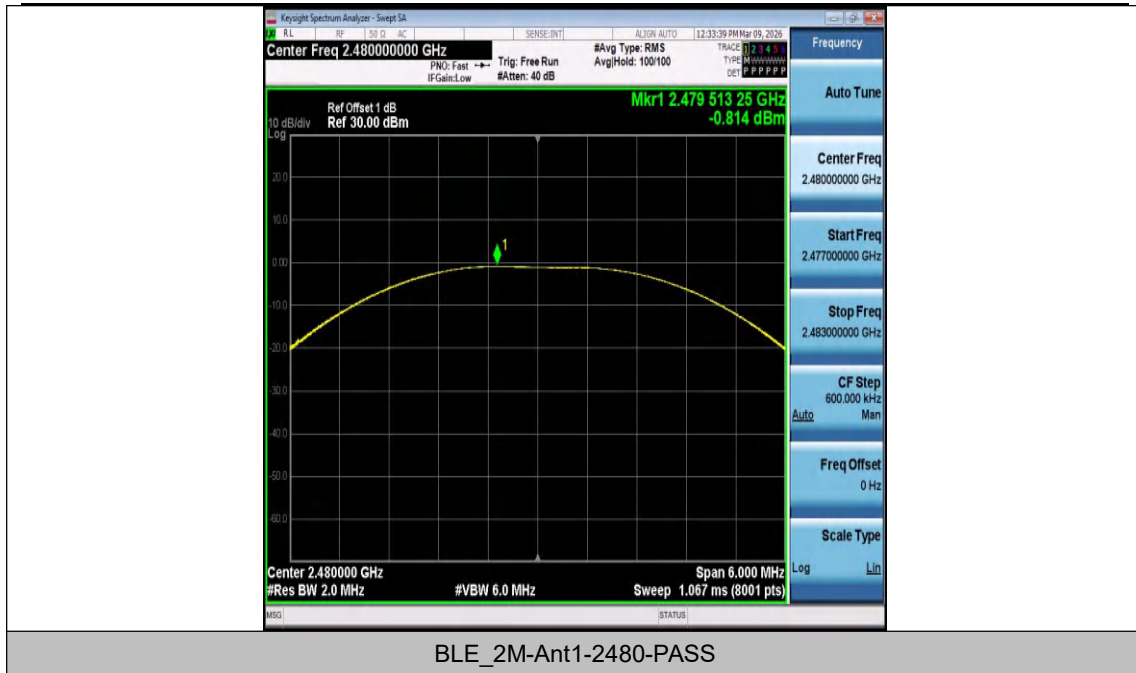
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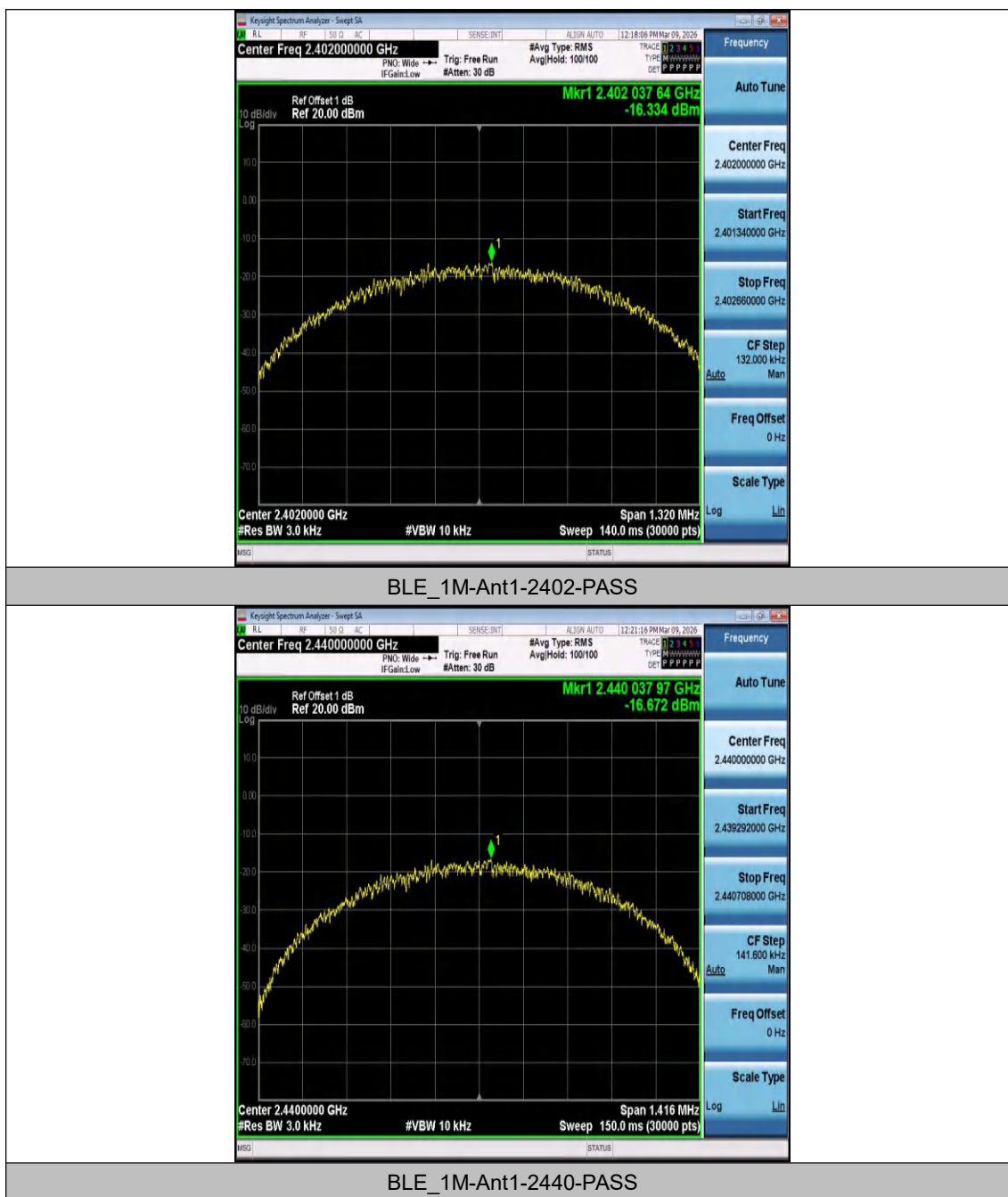
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.33	≤8.00	PASS
BLE_1M	Ant1	2440	-16.67	≤8.00	PASS
BLE_1M	Ant1	2480	-17.31	≤8.00	PASS
BLE_2M	Ant1	2402	-18.90	≤8.00	PASS
BLE_2M	Ant1	2440	-18.72	≤8.00	PASS
BLE_2M	Ant1	2480	-19.31	≤8.00	PASS

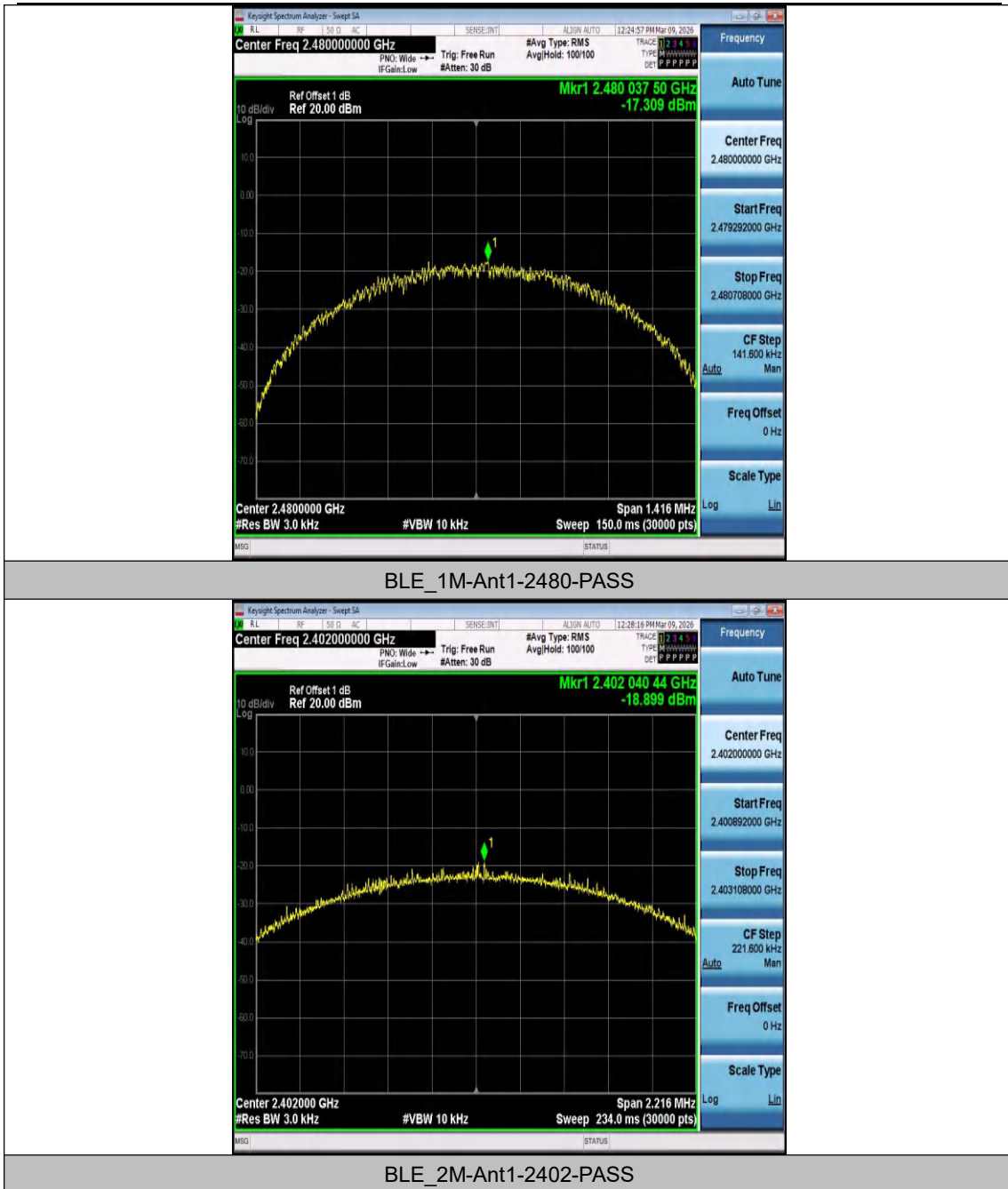
Test Graphs



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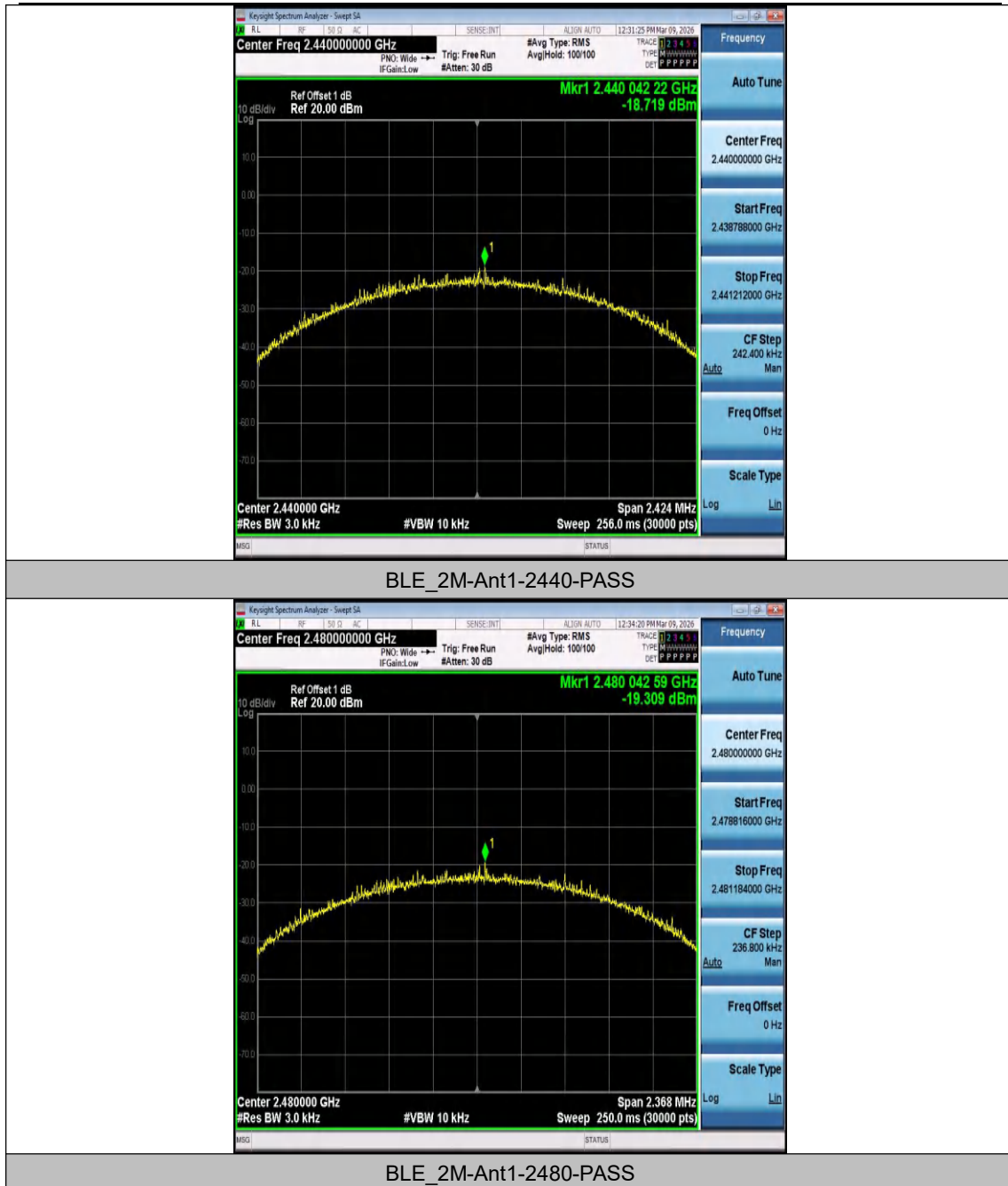
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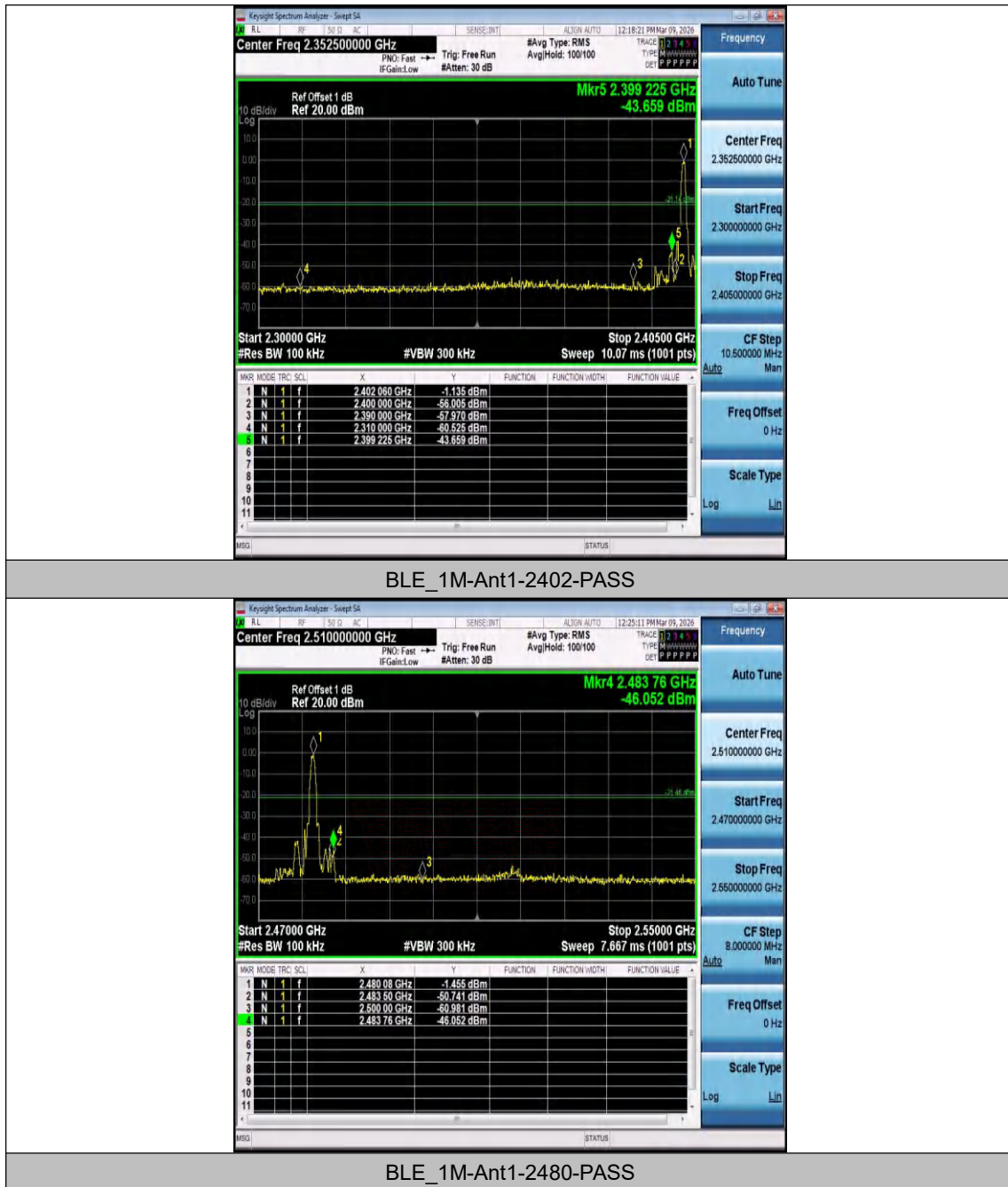
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.14	-43.66	≤-21.14	PASS
BLE_1M	Ant1	High	2480	-1.46	-46.05	≤-21.46	PASS
BLE_2M	Ant1	Low	2402	-1.65	-36.3	≤-21.65	PASS
BLE_2M	Ant1	High	2480	-1.84	-49	≤-21.84	PASS

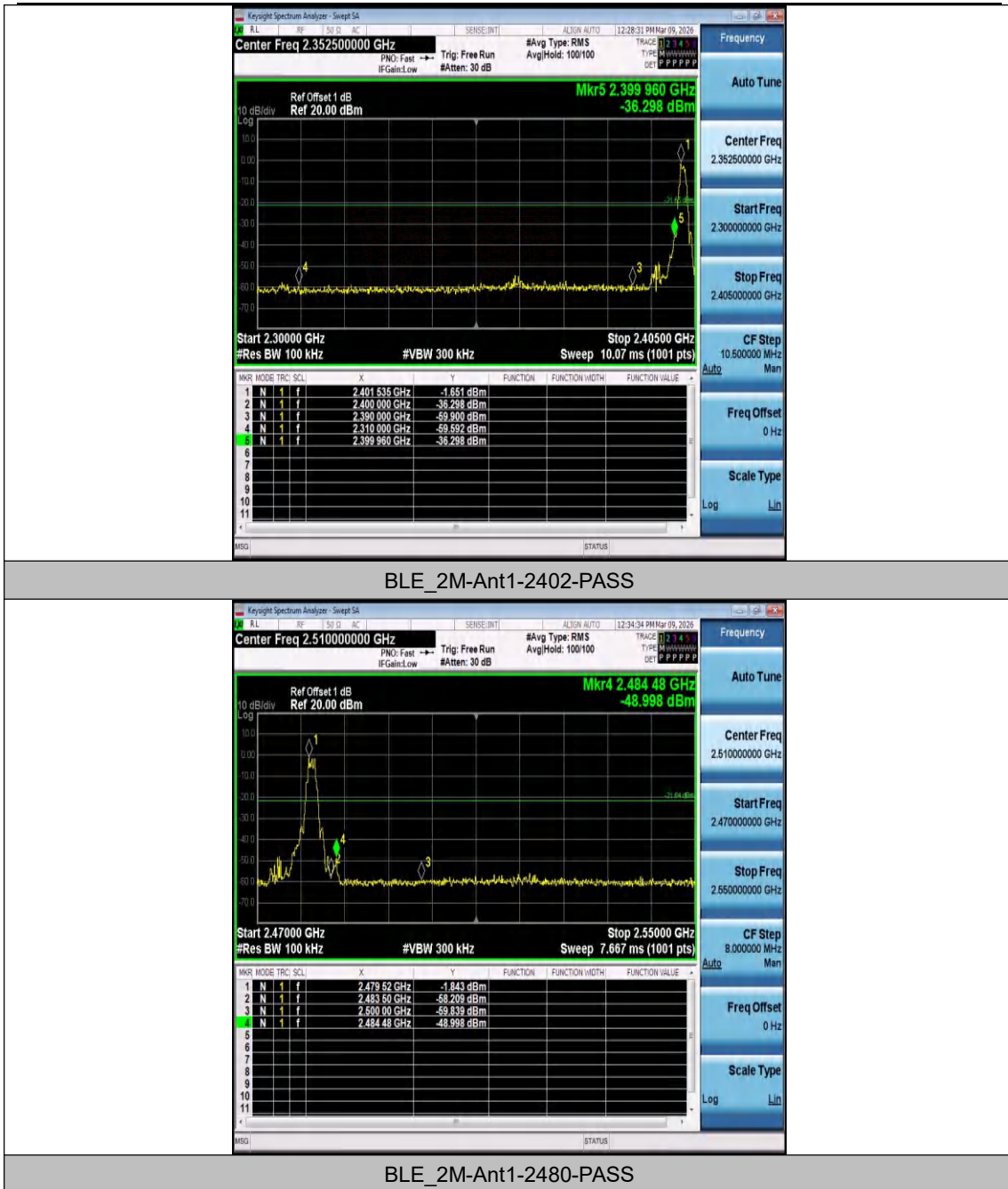
Test Graphs



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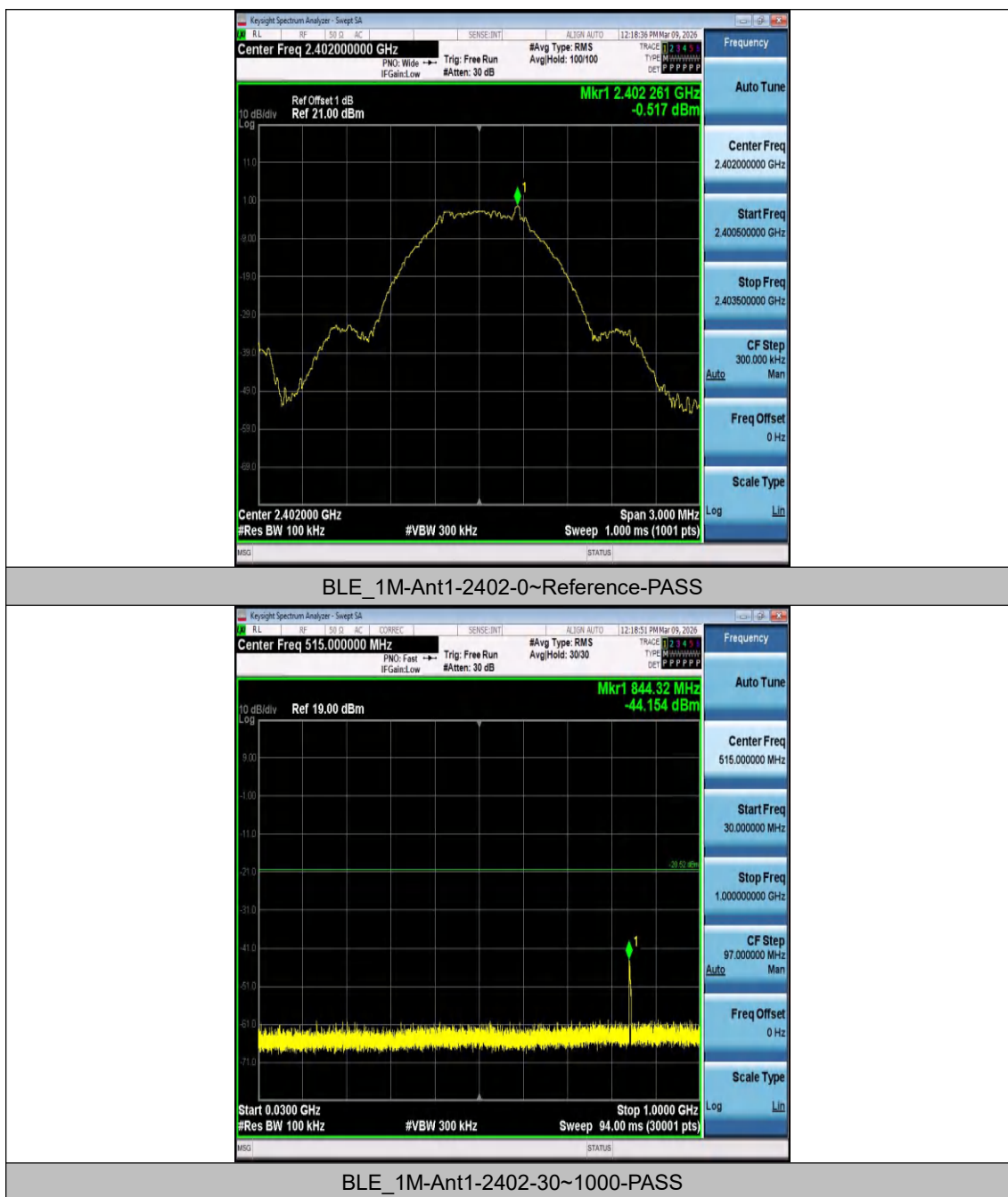
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.52	-0.52	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.52	-44.15	≤-20.52	PASS
BLE_1M	Ant1	2402	1000~26500	-0.52	-48.72	≤-20.52	PASS
BLE_1M	Ant1	2440	0~Reference	-0.75	-0.75	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.75	-35.96	≤-20.75	PASS
BLE_1M	Ant1	2440	1000~26500	-0.75	-48.37	≤-20.75	PASS
BLE_1M	Ant1	2480	0~Reference	-1.48	-1.48	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.48	-42.55	≤-21.48	PASS
BLE_1M	Ant1	2480	1000~26500	-1.48	-48.41	≤-21.48	PASS
BLE_2M	Ant1	2402	0~Reference	-1.46	-1.46	---	PASS
BLE_2M	Ant1	2402	30~1000	-1.46	-58.57	≤-21.46	PASS
BLE_2M	Ant1	2402	1000~26500	-1.46	-48.46	≤-21.46	PASS
BLE_2M	Ant1	2440	0~Reference	-1.42	-1.42	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.42	-59.46	≤-21.42	PASS
BLE_2M	Ant1	2440	1000~26500	-1.42	-45.17	≤-21.42	PASS
BLE_2M	Ant1	2480	0~Reference	-1.29	-1.29	---	PASS
BLE_2M	Ant1	2480	30~1000	-1.29	-58.93	≤-21.29	PASS
BLE_2M	Ant1	2480	1000~26500	-1.29	-48.77	≤-21.29	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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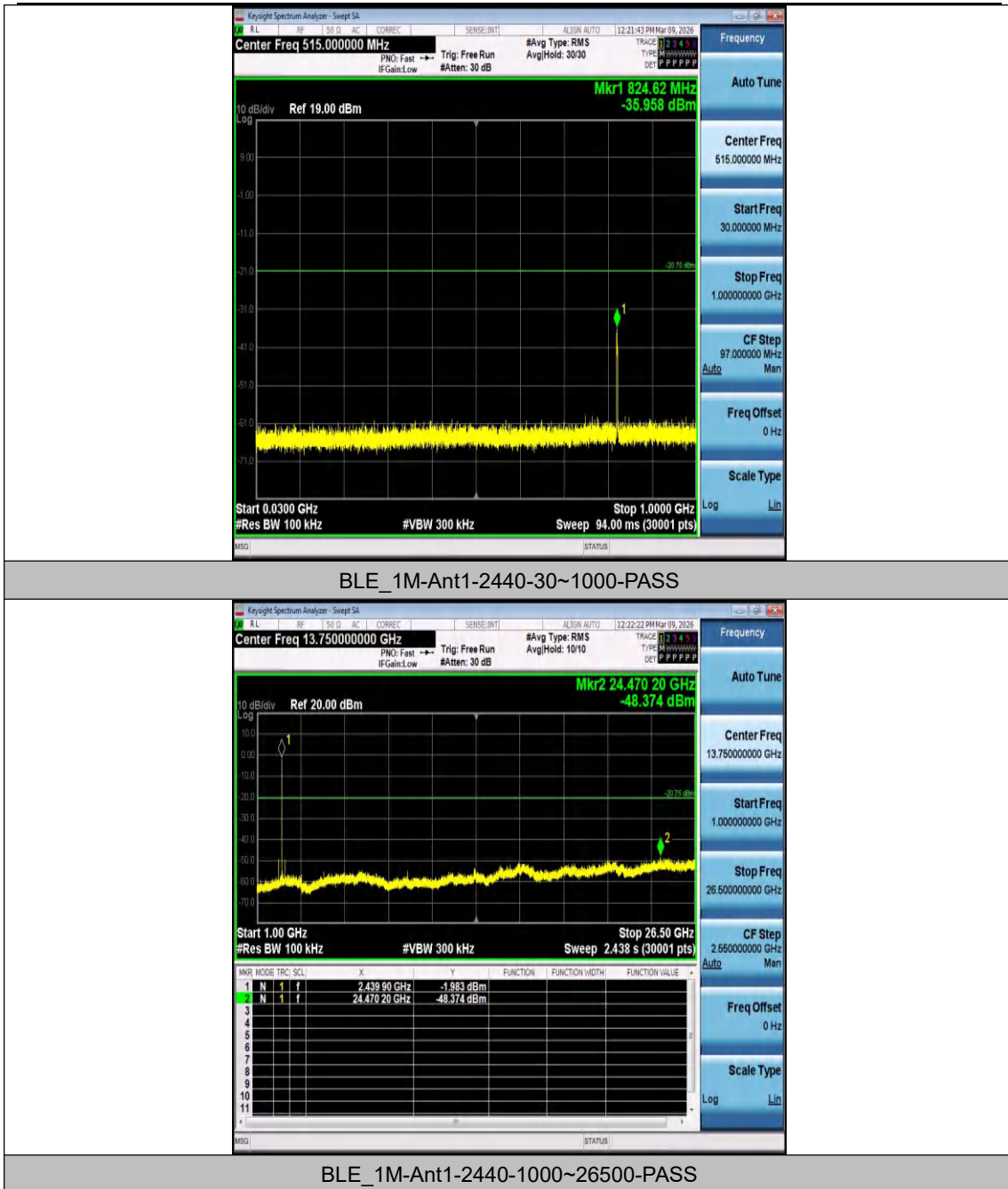
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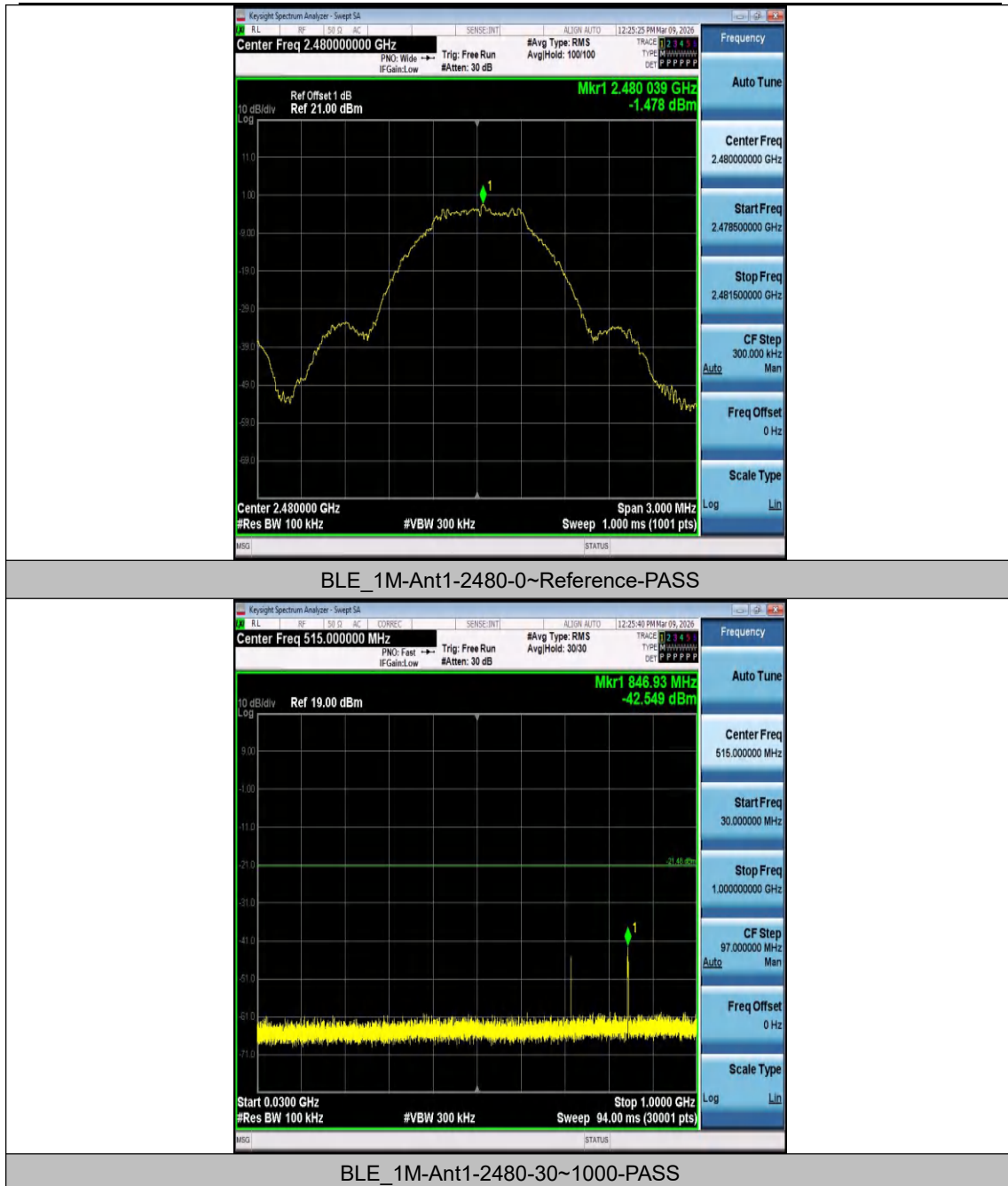
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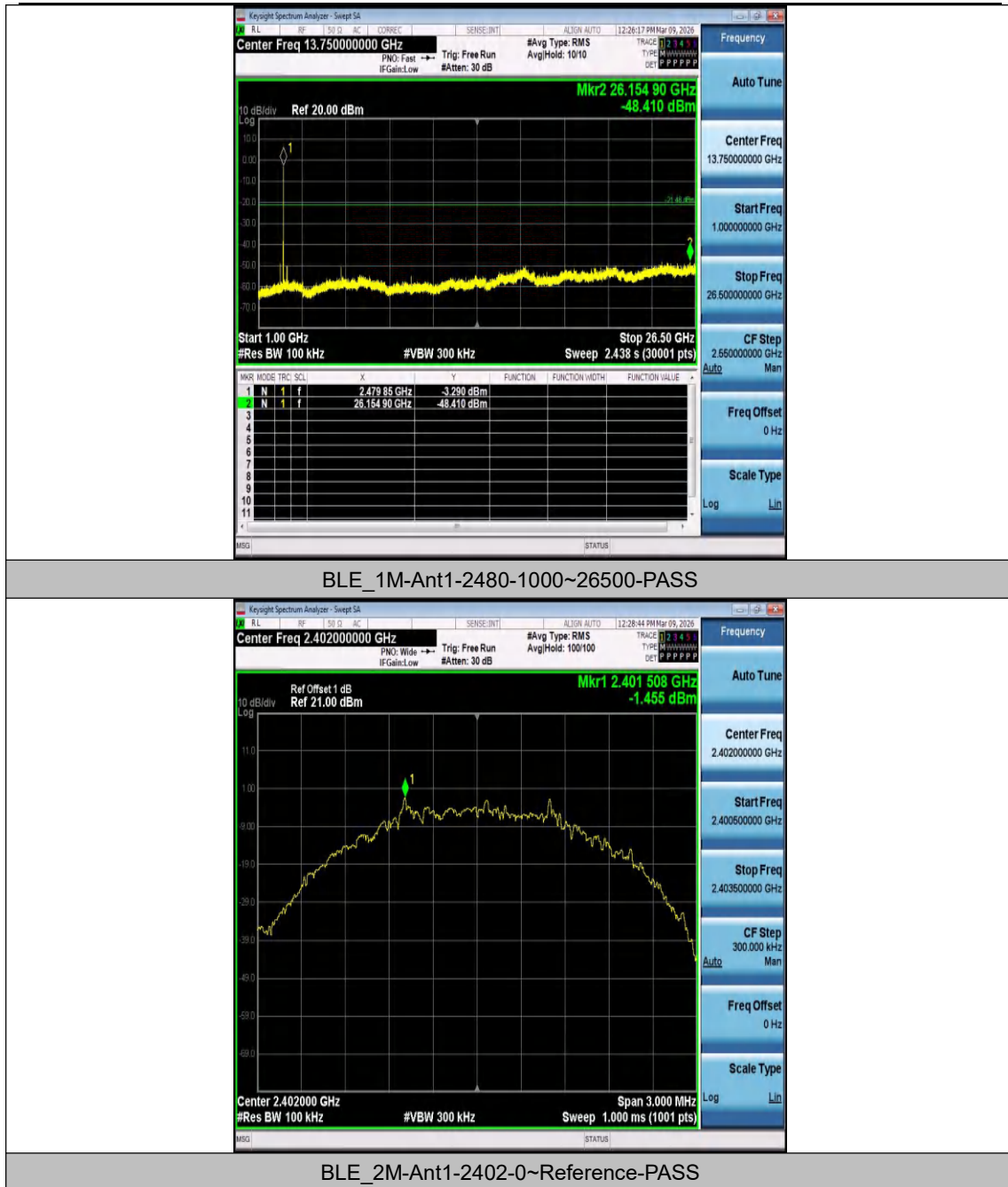
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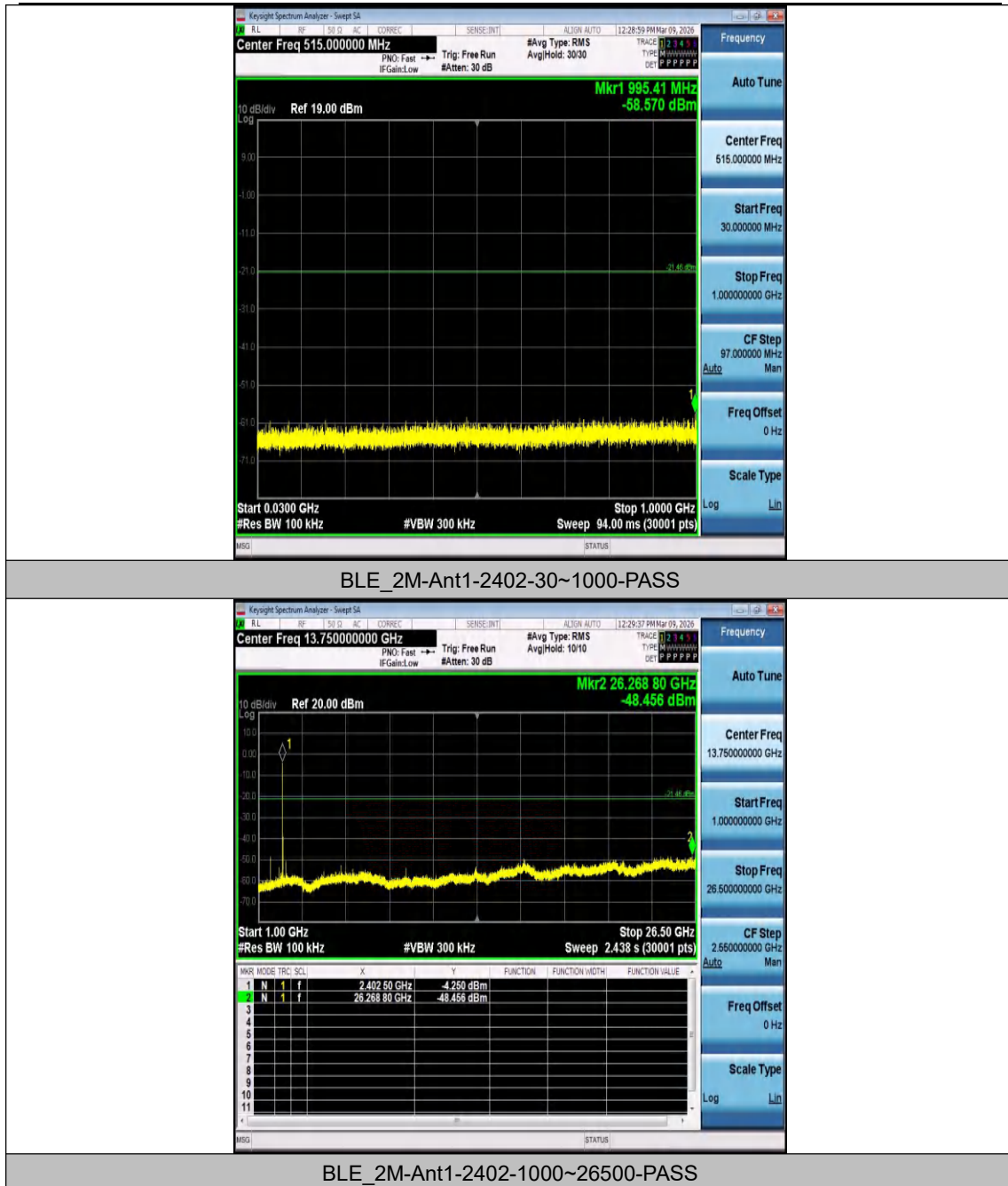
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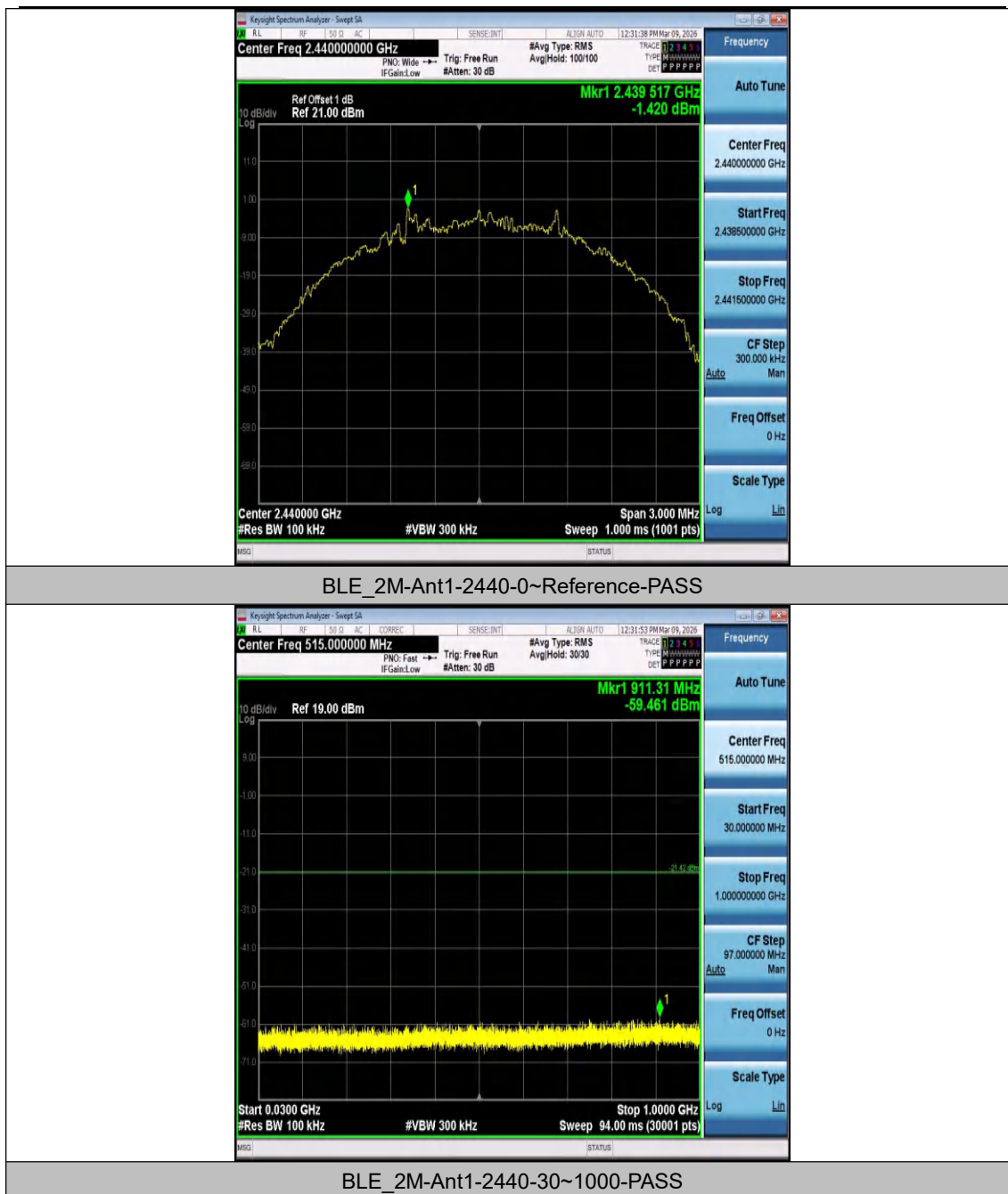
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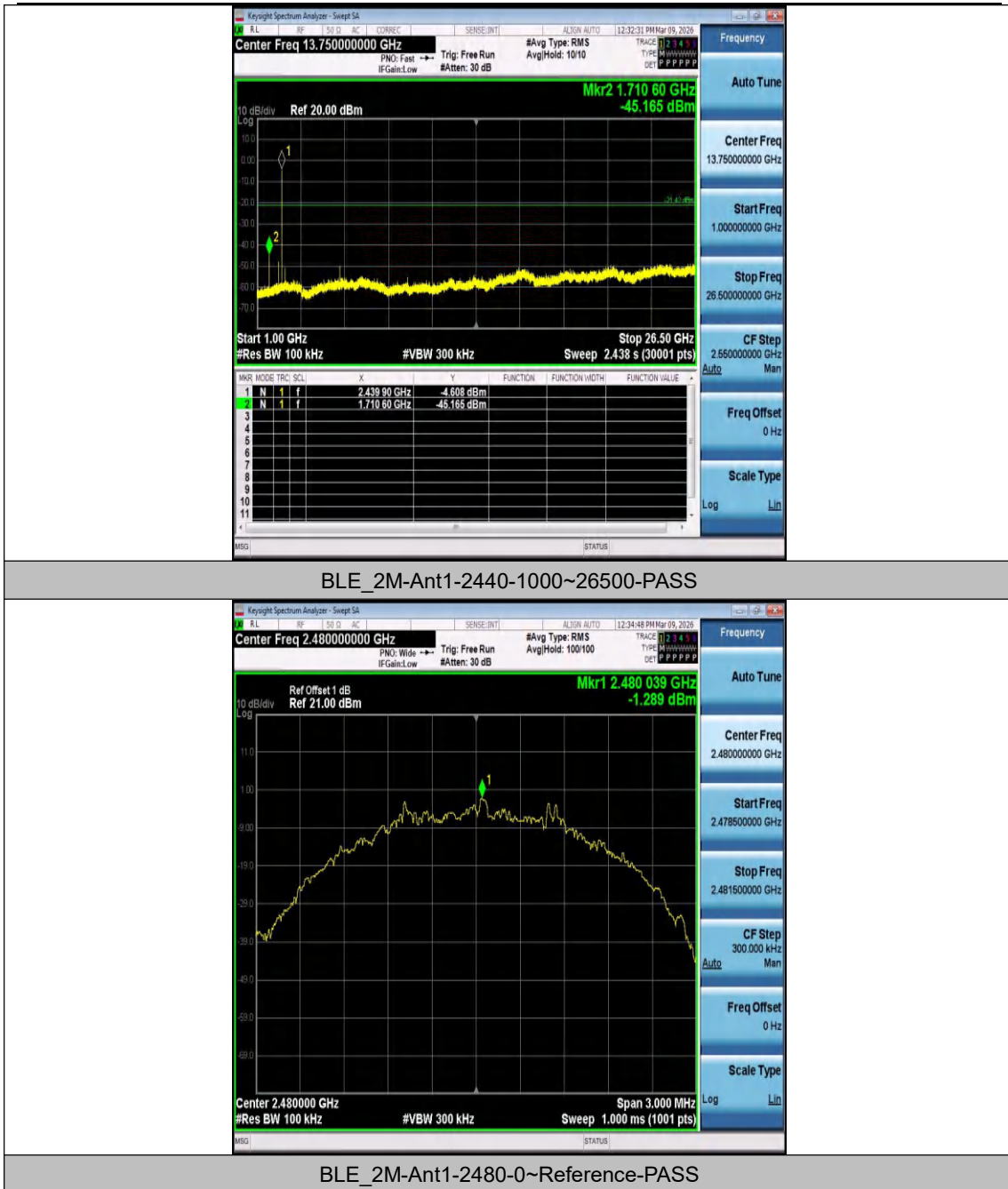
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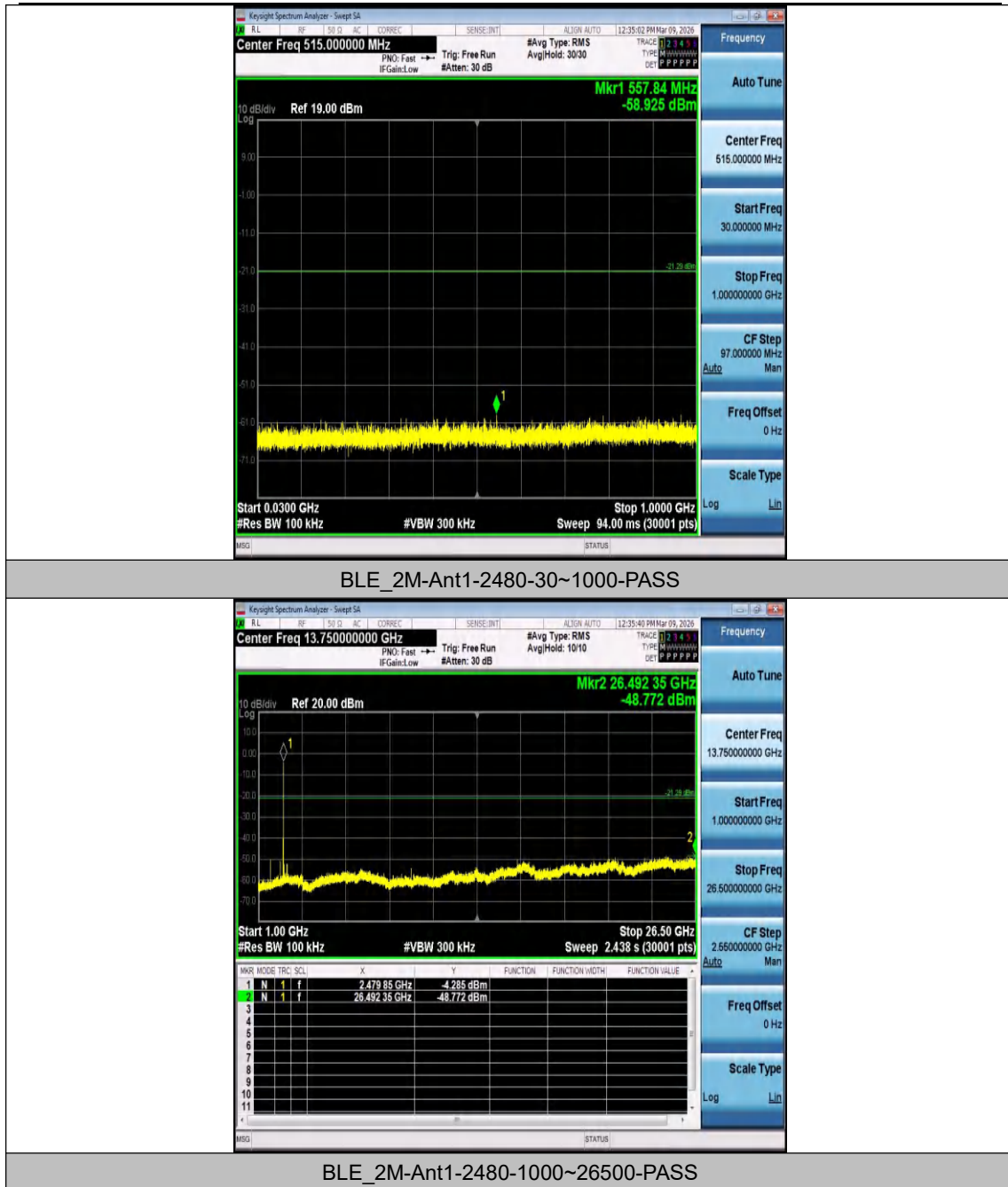
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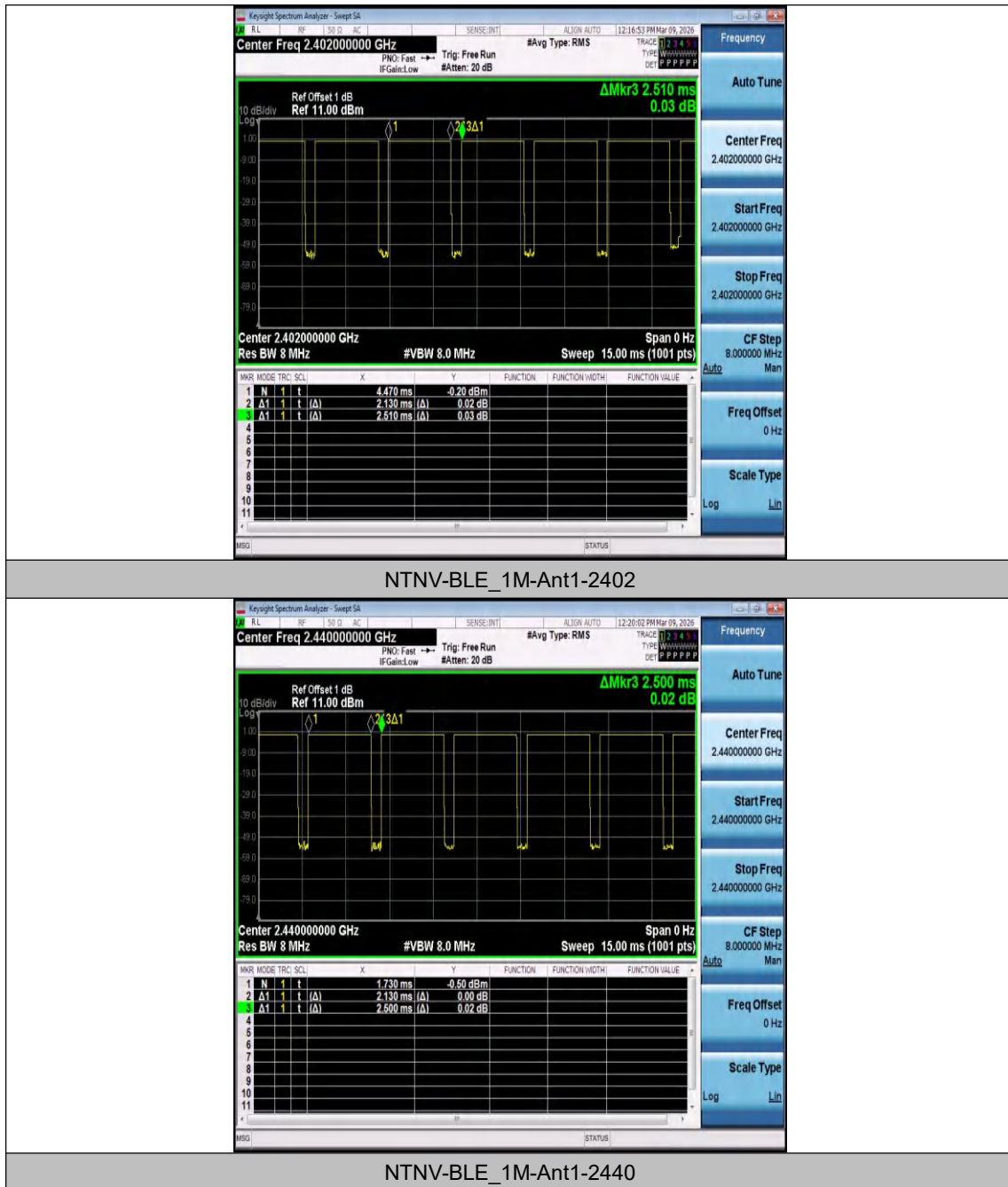
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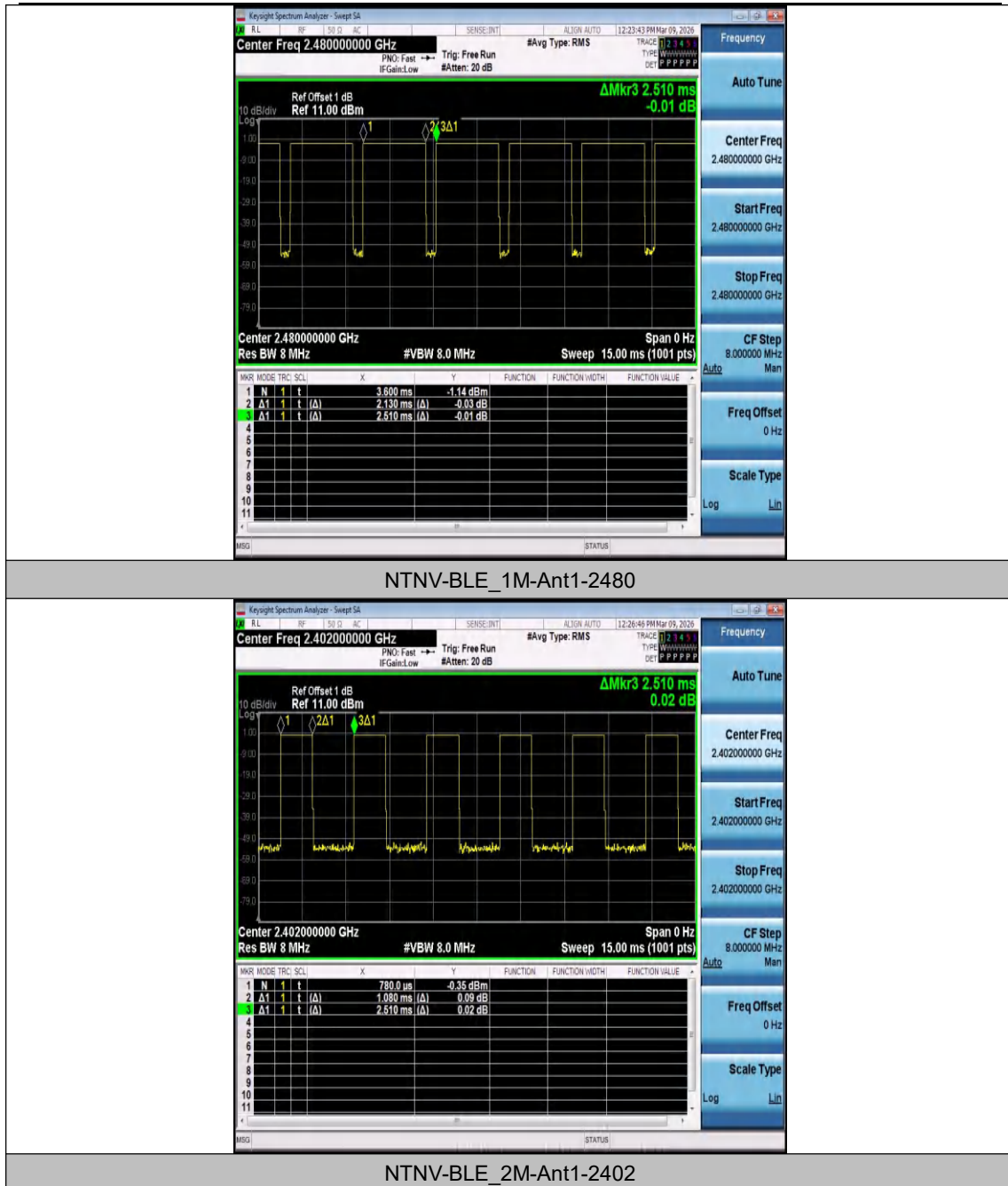
Appendix G: Duty Cycle

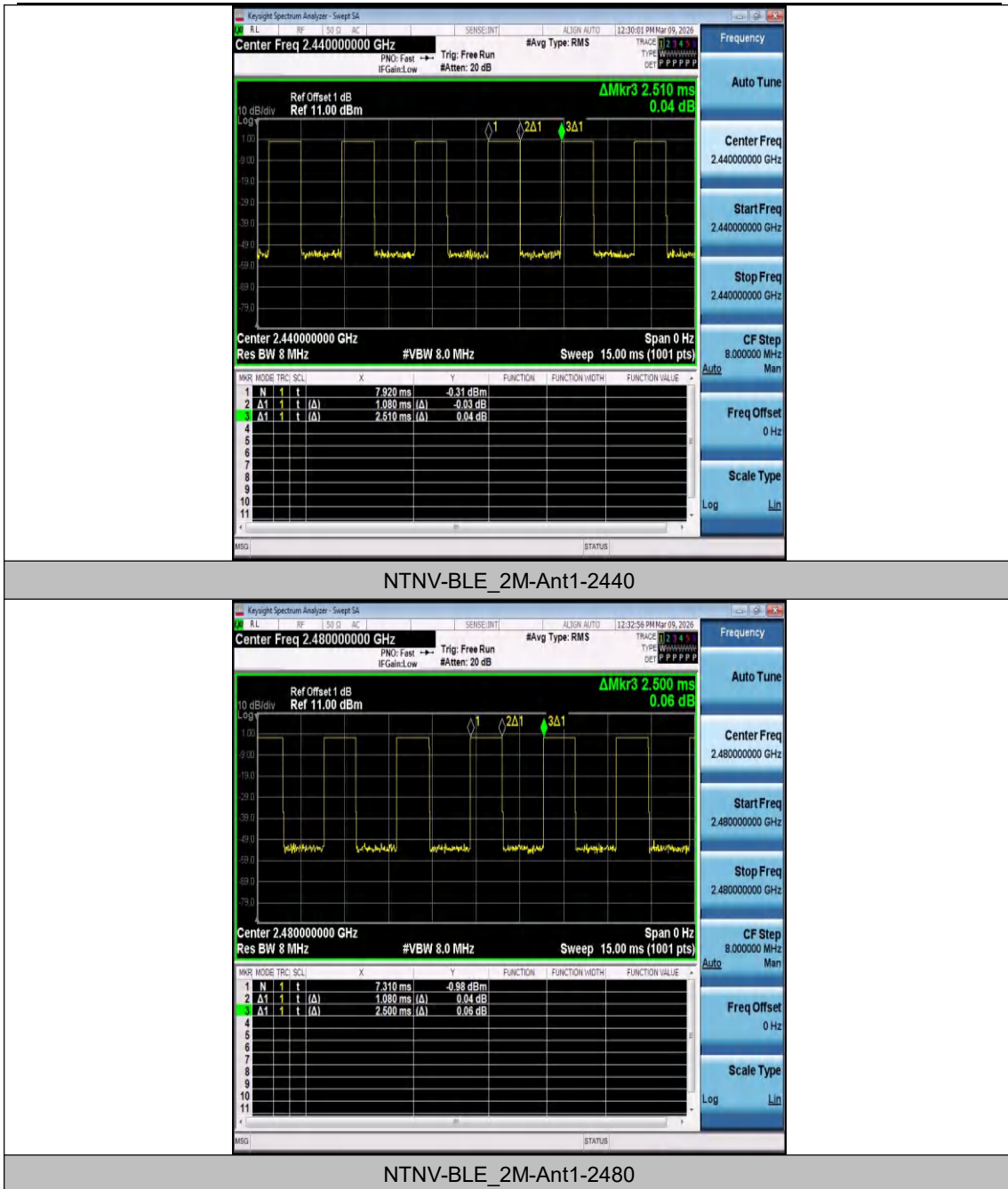
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
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	2.51	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---