

Appendix Test Data

Report No.:	1812C60396912501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-16	Finish Test Date:	2026-7-17
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	23°C	Relative Humidity:	72%
Pressure:	99.8kPa		



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	0.704	2401.664	2402.368	0.5	PASS
BLE_1M	Ant1	2440	0.800	2439.572	2440.372	0.5	PASS
BLE_1M	Ant1	2480	0.740	2479.620	2480.360	0.5	PASS
BLE_2M	Ant1	2402	1.068	2401.376	2402.444	0.5	PASS
BLE_2M	Ant1	2440	1.132	2439.344	2440.476	0.5	PASS
BLE_2M	Ant1	2480	1.156	2479.336	2480.492	0.5	PASS

Test Graphs







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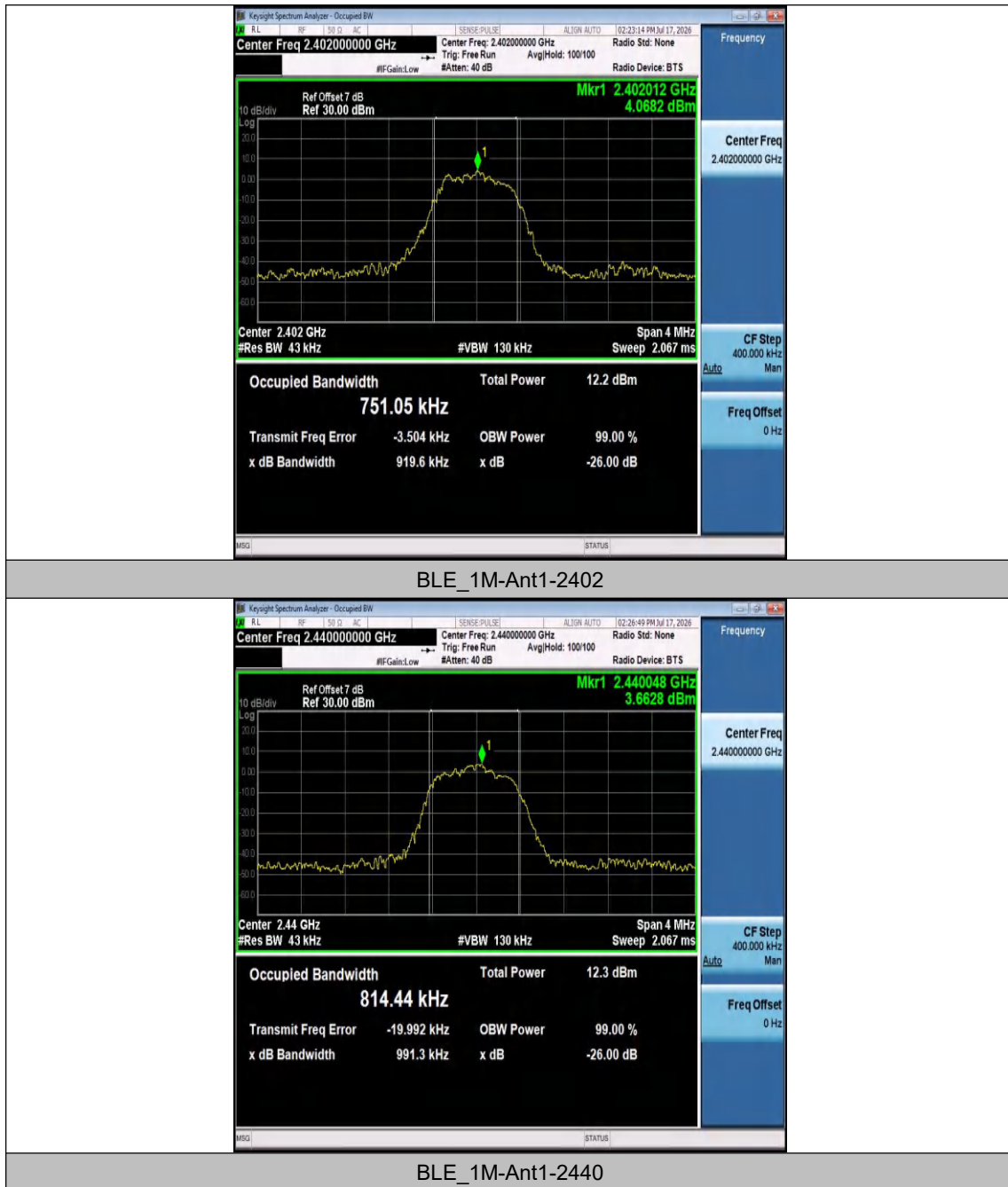
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.75105	2401.6210	2402.3720	---	---
BLE_1M	Ant1	2440	0.81444	2439.5728	2440.3872	---	---
BLE_1M	Ant1	2480	0.77066	2479.6113	2480.3820	---	---
BLE_2M	Ant1	2402	1.1848	2401.3583	2402.5431	---	---
BLE_2M	Ant1	2440	1.2474	2439.3389	2440.5863	---	---
BLE_2M	Ant1	2480	1.2393	2479.3344	2480.5737	---	---

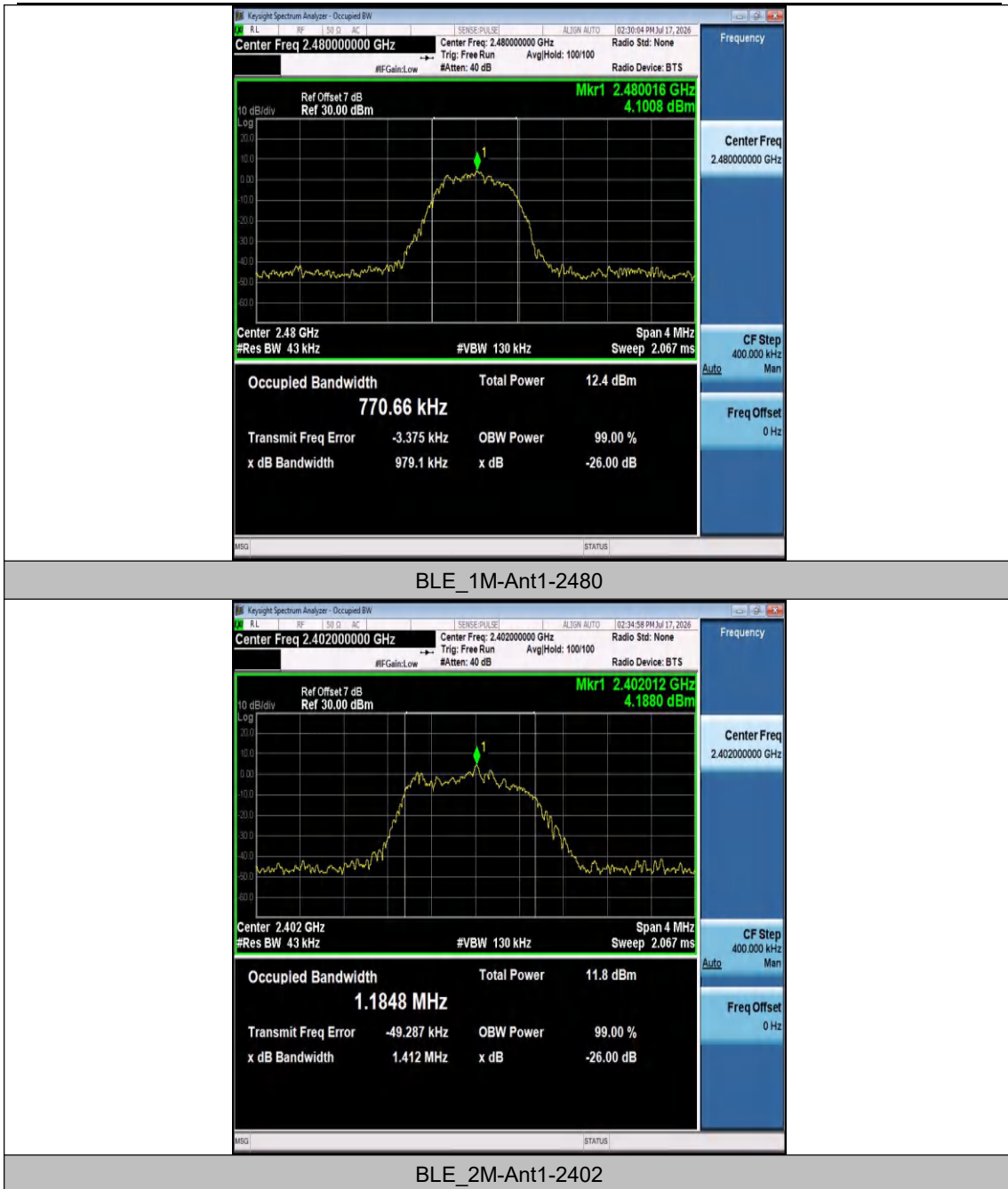
Test Graphs



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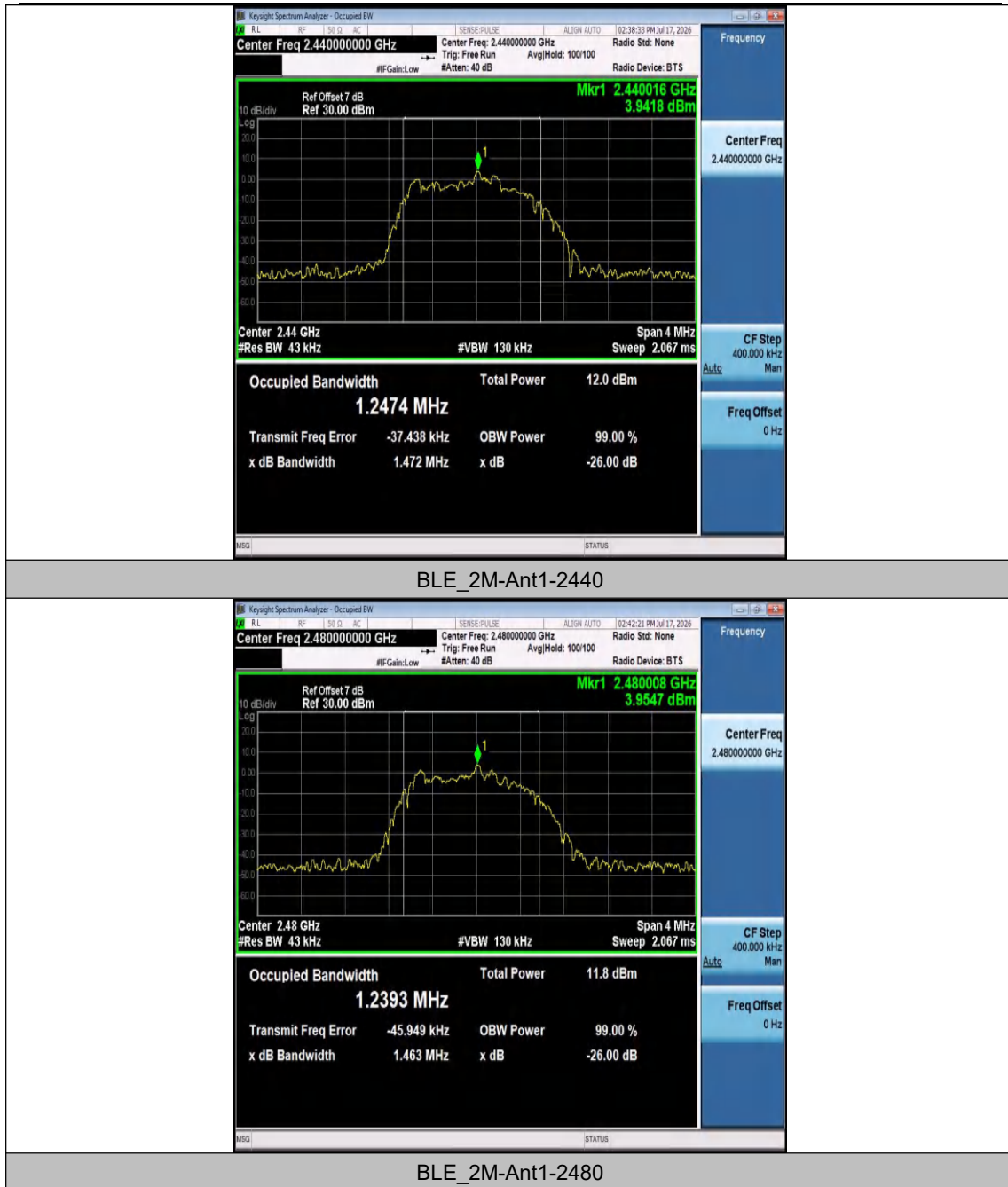
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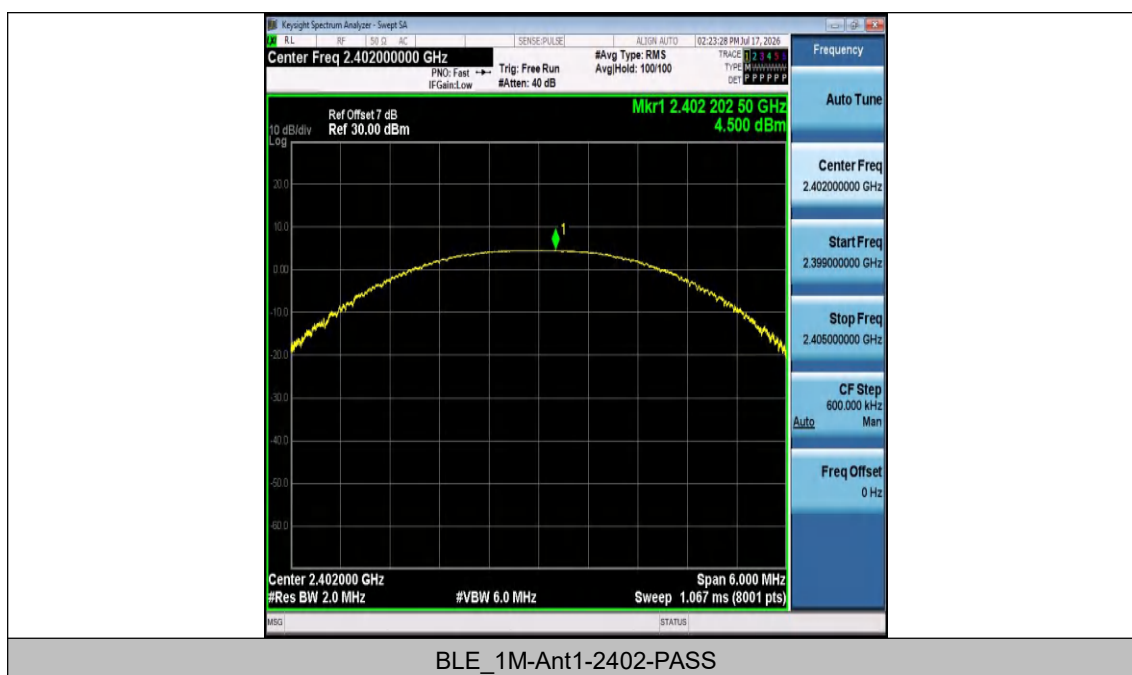
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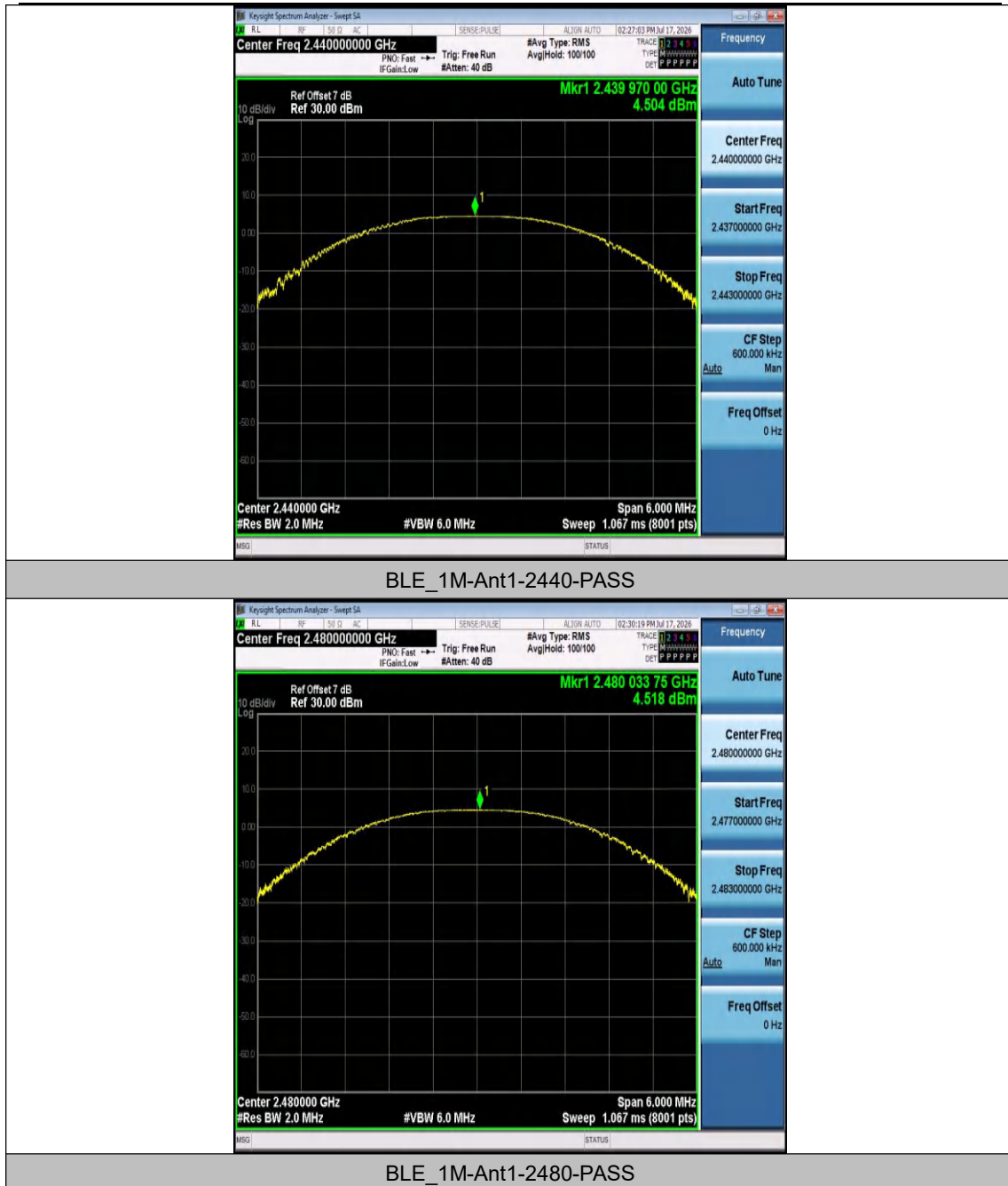
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.50	≤30	PASS
BLE_1M	Ant1	2440	4.50	≤30	PASS
BLE_1M	Ant1	2480	4.52	≤30	PASS
BLE_2M	Ant1	2402	4.45	≤30	PASS
BLE_2M	Ant1	2440	4.50	≤30	PASS
BLE_2M	Ant1	2480	4.53	≤30	PASS

Test Graphs Peak

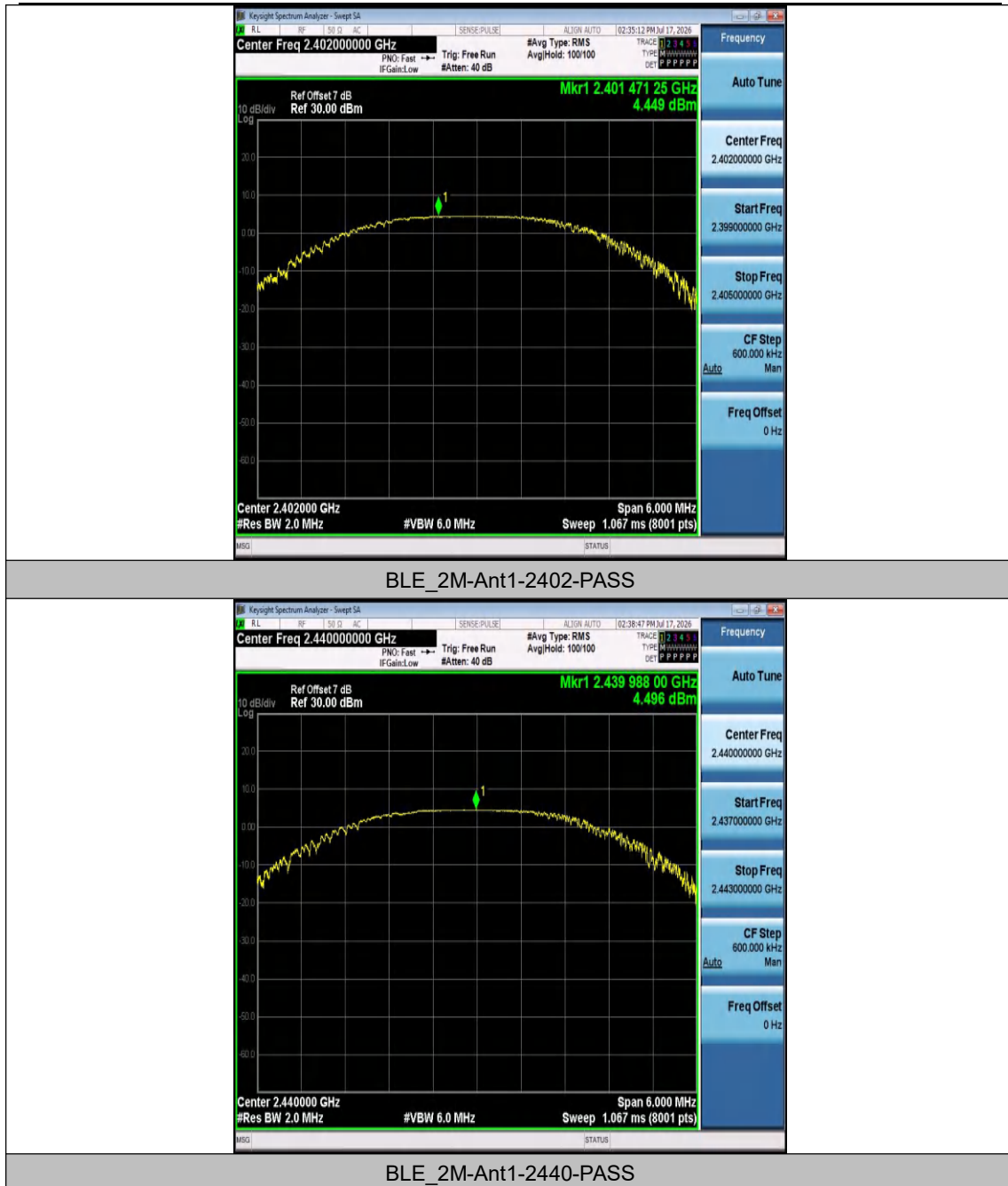




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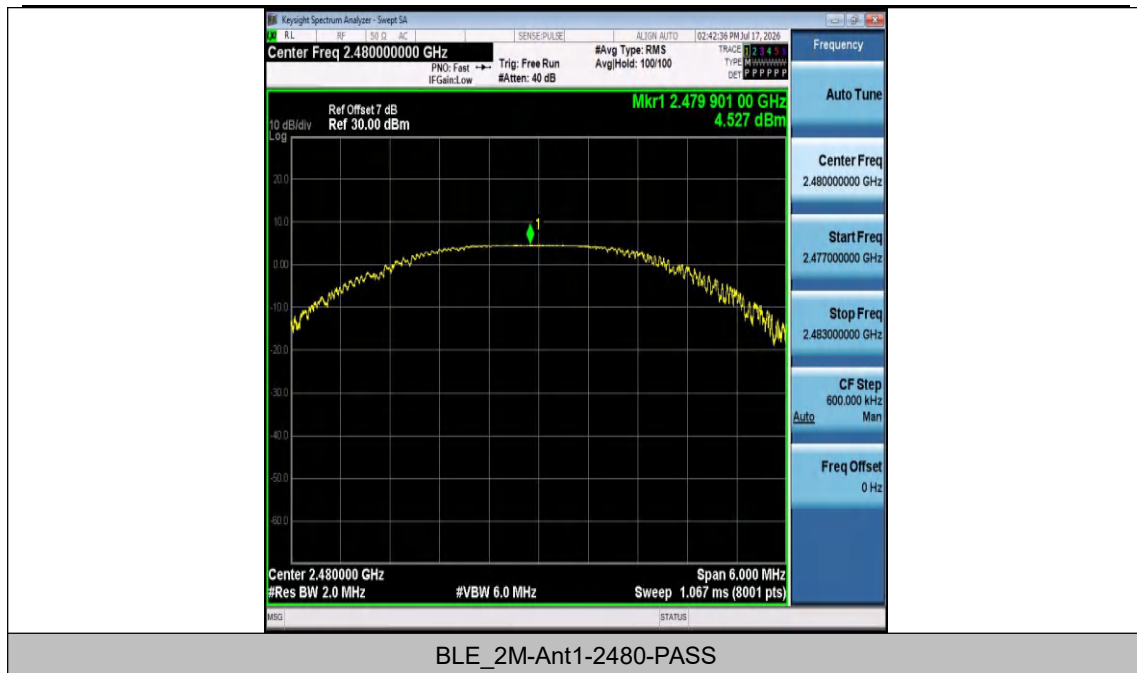
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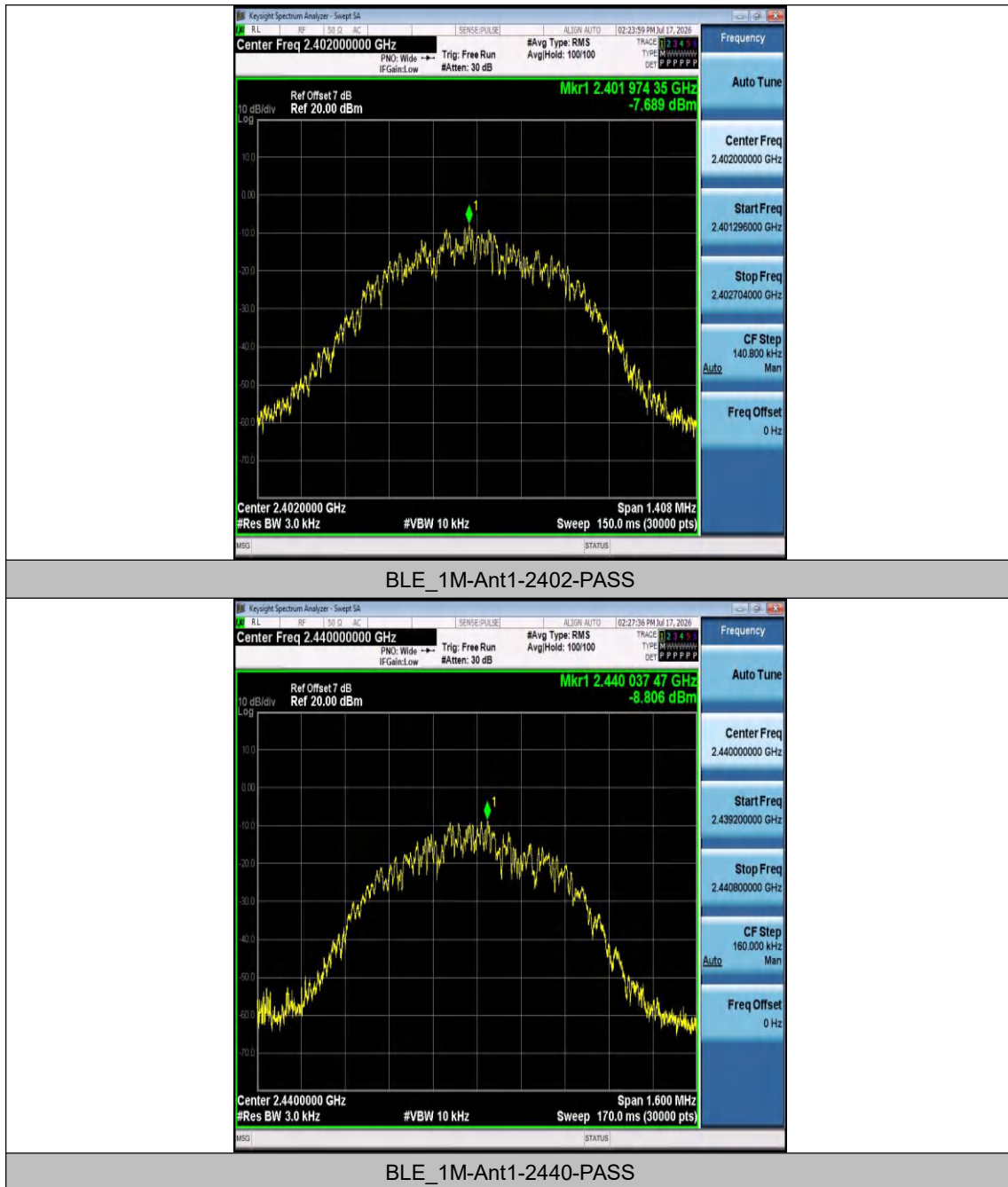
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.69	≤8.00	PASS
BLE_1M	Ant1	2440	-8.81	≤8.00	PASS
BLE_1M	Ant1	2480	-7.48	≤8.00	PASS
BLE_2M	Ant1	2402	-10.88	≤8.00	PASS
BLE_2M	Ant1	2440	-10.57	≤8.00	PASS
BLE_2M	Ant1	2480	-10.64	≤8.00	PASS

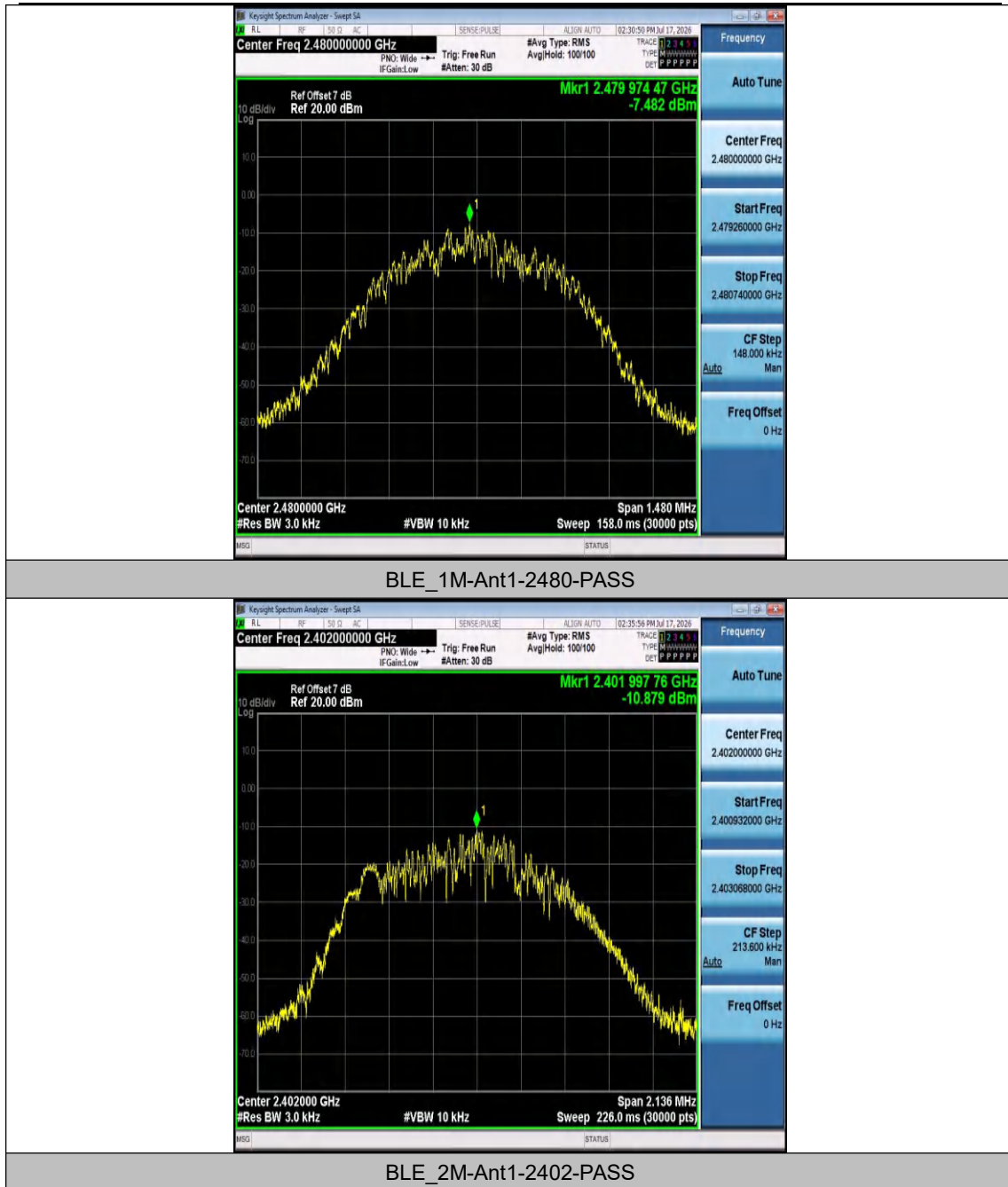
Test Graphs



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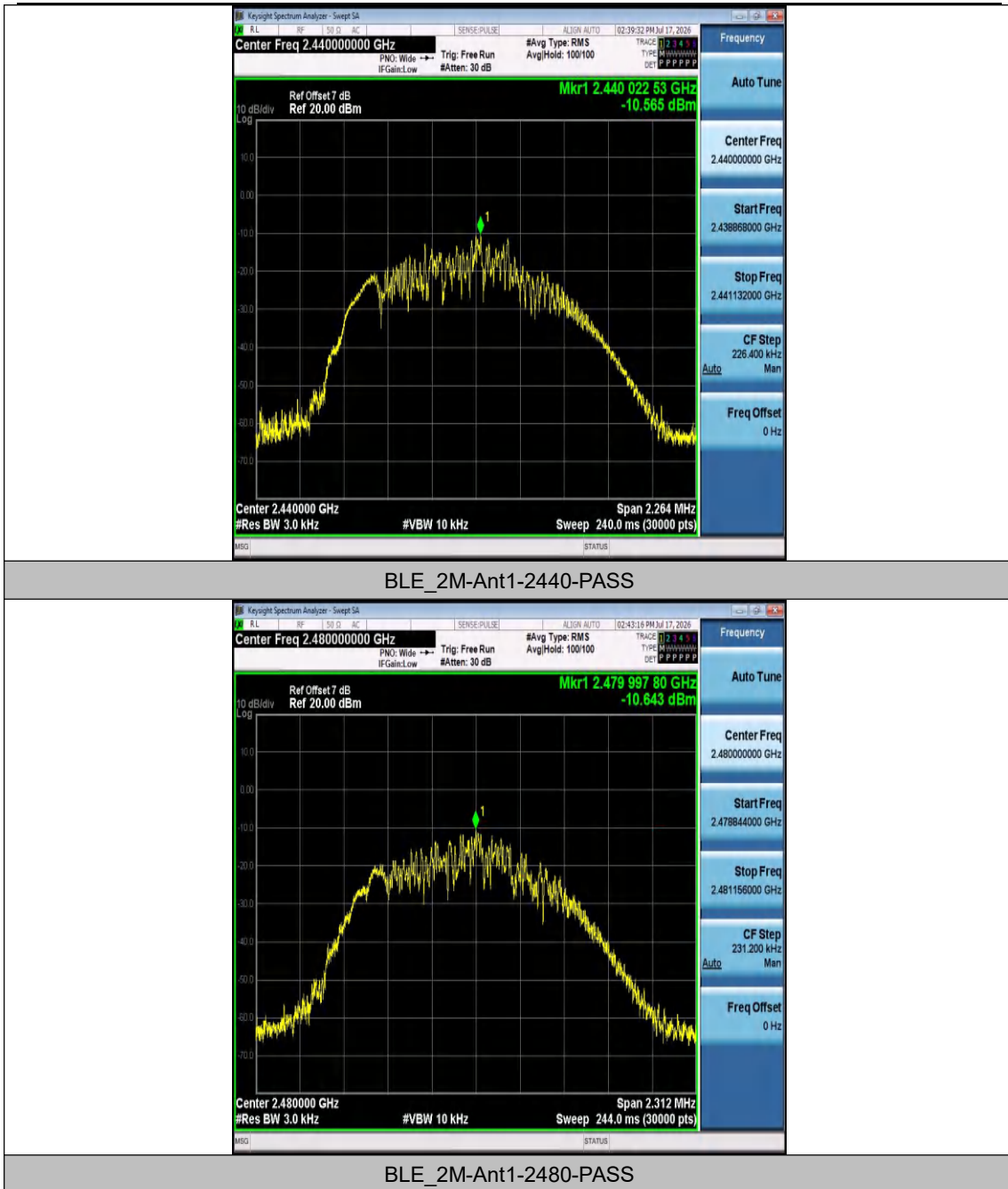
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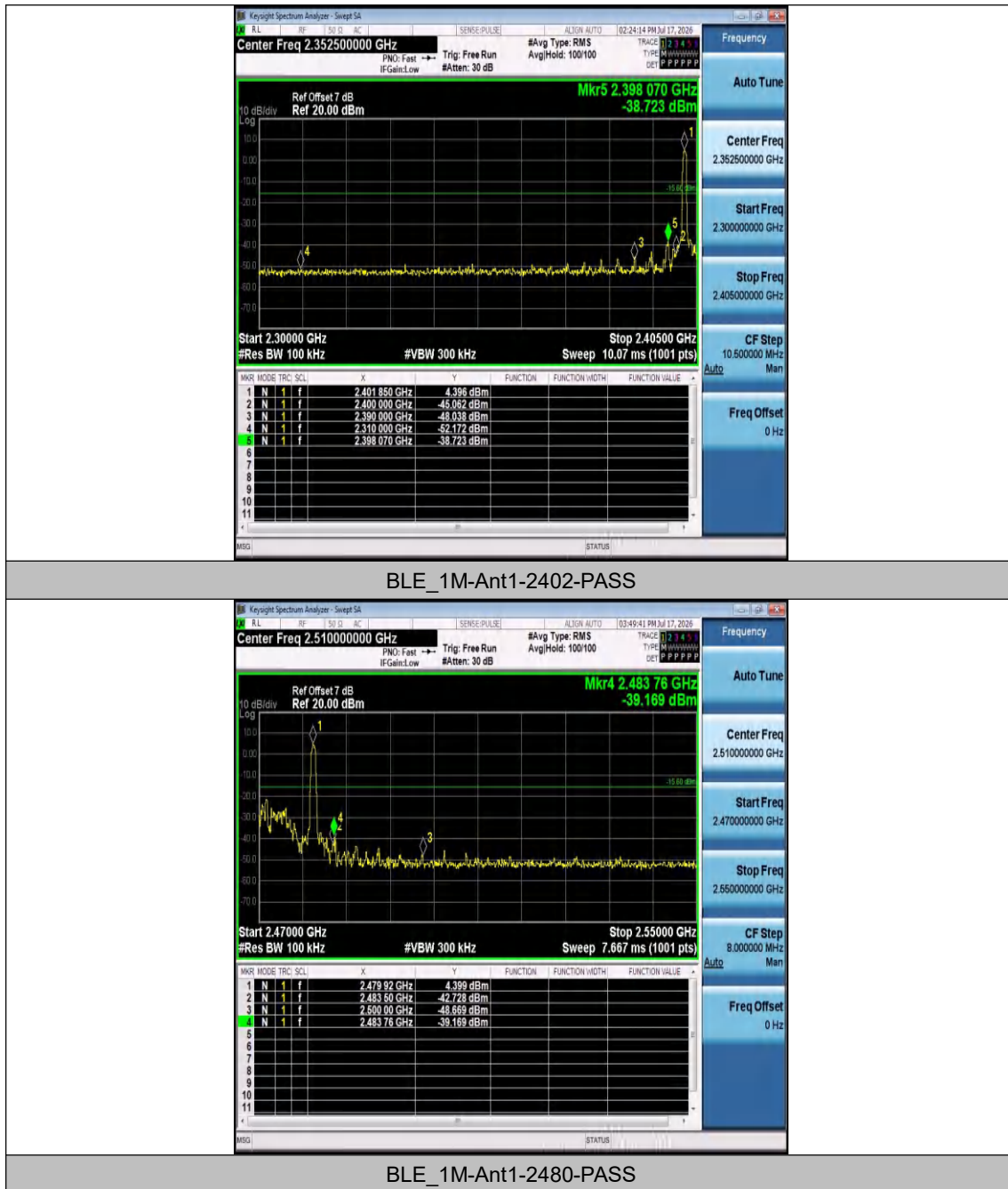
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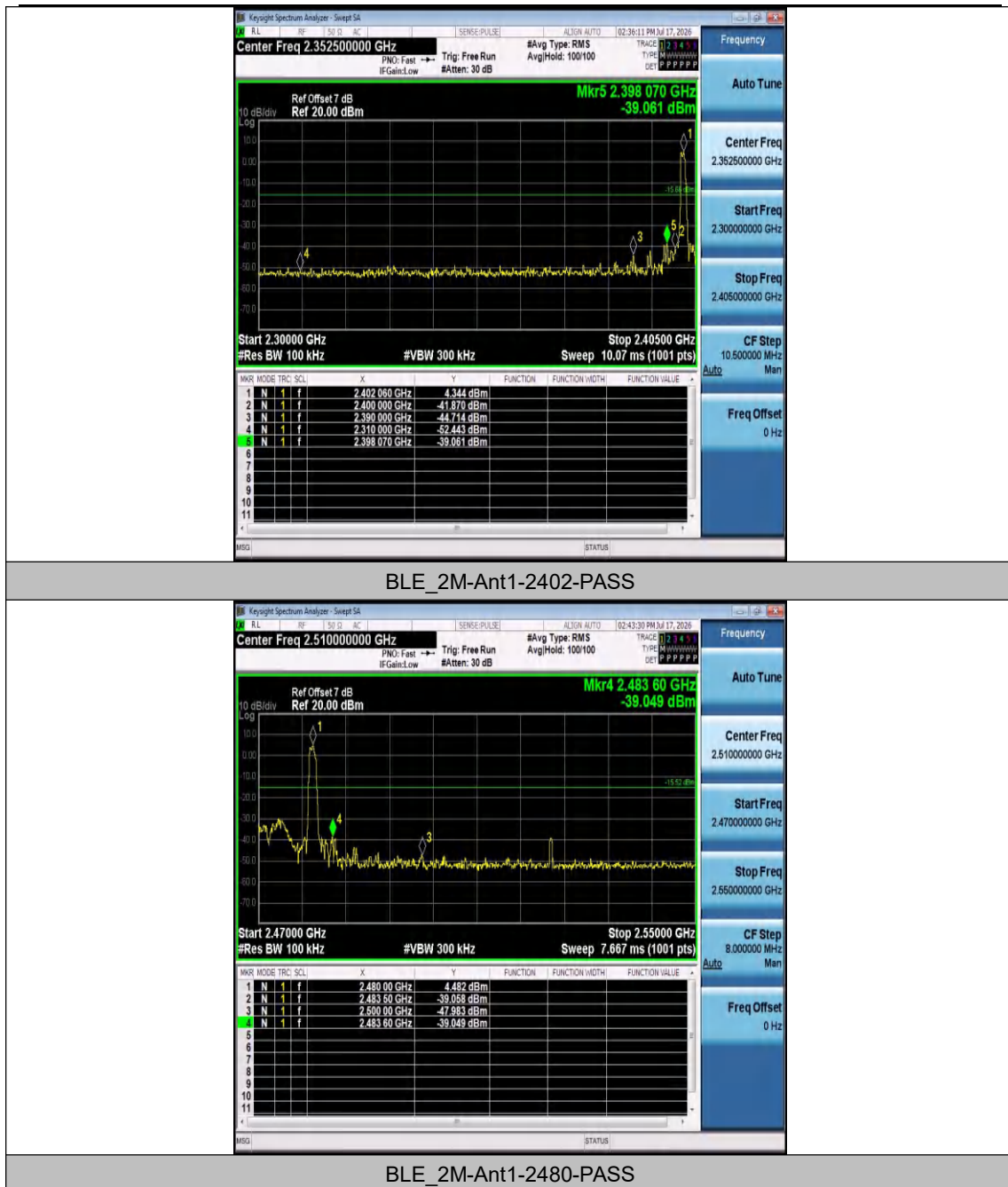
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.40	-38.72	≤-15.6	PASS
BLE_1M	Ant1	High	2480	4.40	-39.17	≤-15.6	PASS
BLE_2M	Ant1	Low	2402	4.34	-39.06	≤-15.66	PASS
BLE_2M	Ant1	High	2480	4.48	-39.05	≤-15.52	PASS

Test Graphs





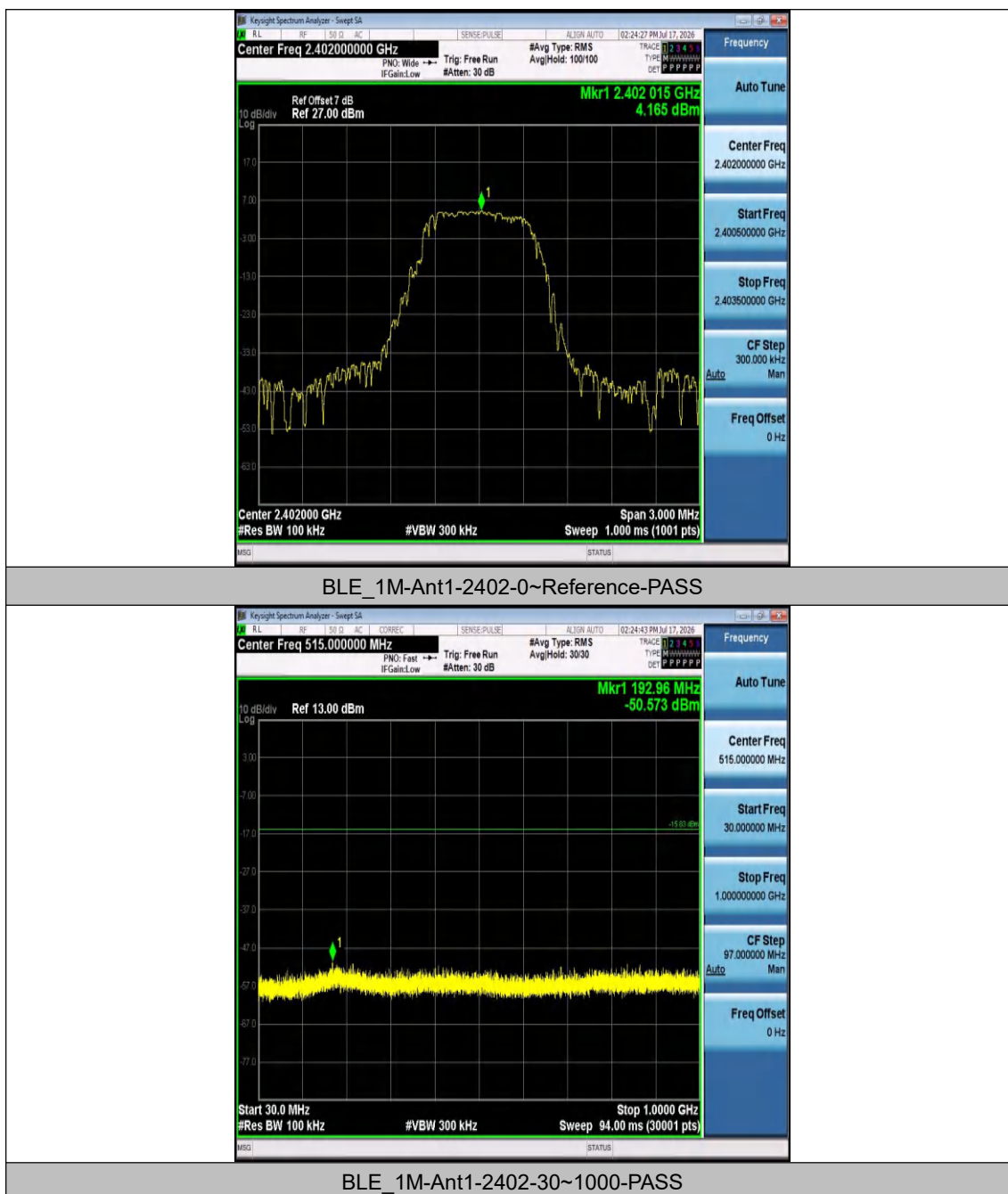
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	4.17	4.17	---	PASS
BLE_1M	Ant1	2402	30~1000	4.17	-50.57	≤-15.83	PASS
BLE_1M	Ant1	2402	1000~26500	4.17	-36.3	≤-15.83	PASS
BLE_1M	Ant1	2440	0~Reference	4.18	4.18	---	PASS
BLE_1M	Ant1	2440	30~1000	4.18	-49.81	≤-15.82	PASS
BLE_1M	Ant1	2440	1000~26500	4.18	-36.37	≤-15.82	PASS
BLE_1M	Ant1	2480	0~Reference	4.32	4.32	---	PASS
BLE_1M	Ant1	2480	30~1000	4.32	-24.2	≤-15.68	PASS
BLE_1M	Ant1	2480	1000~26500	4.32	-35.47	≤-15.68	PASS
BLE_2M	Ant1	2402	0~Reference	4.22	4.22	---	PASS
BLE_2M	Ant1	2402	30~1000	4.22	-47.56	≤-15.78	PASS
BLE_2M	Ant1	2402	1000~26500	4.22	-35.61	≤-15.78	PASS
BLE_2M	Ant1	2440	0~Reference	4.22	4.22	---	PASS
BLE_2M	Ant1	2440	30~1000	4.22	-28.46	≤-15.78	PASS
BLE_2M	Ant1	2440	1000~26500	4.22	-35.51	≤-15.78	PASS
BLE_2M	Ant1	2480	0~Reference	4.31	4.31	---	PASS
BLE_2M	Ant1	2480	30~1000	4.31	-41.2	≤-15.69	PASS
BLE_2M	Ant1	2480	1000~26500	4.31	-36.38	≤-15.69	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.

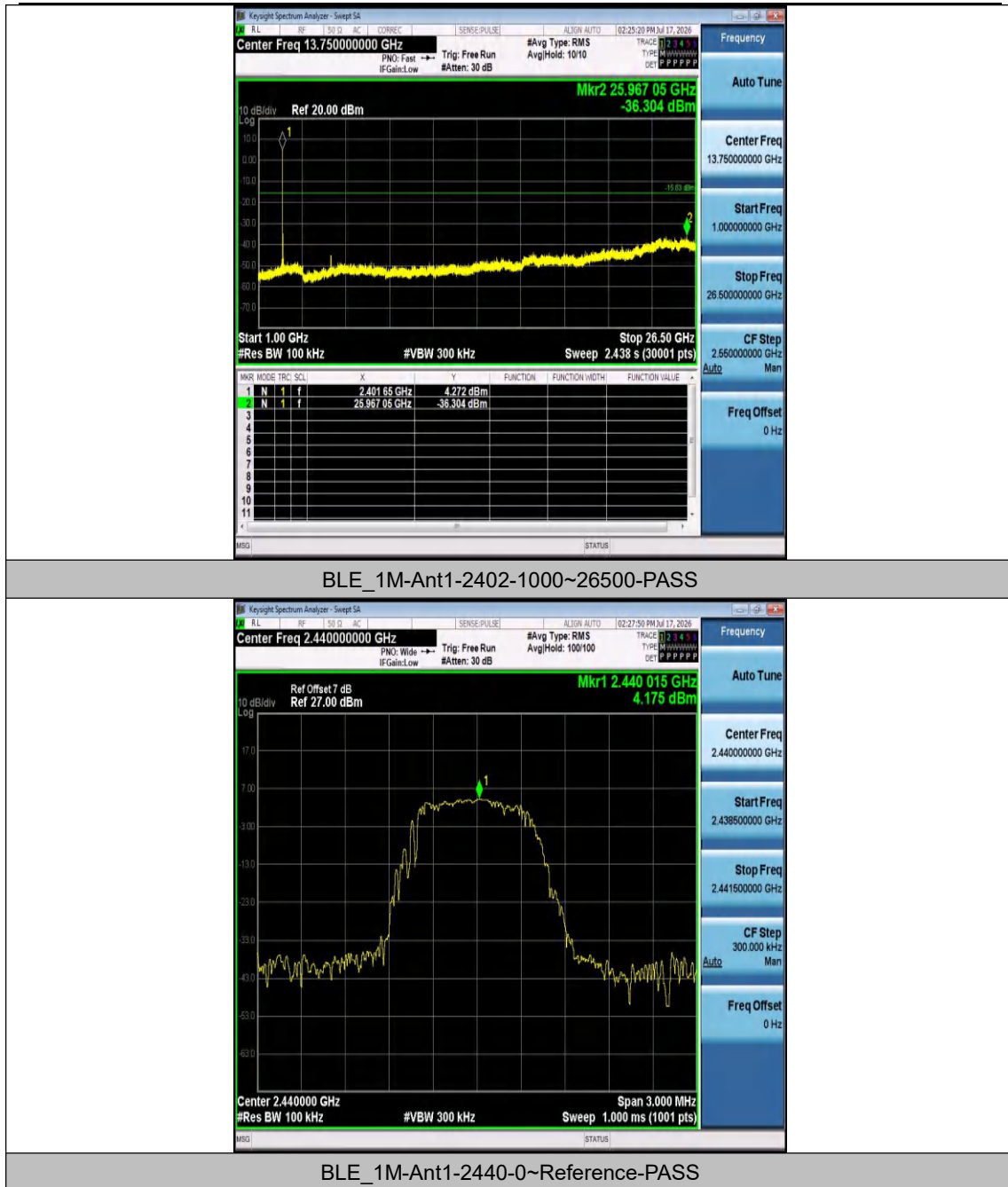
Test Graphs



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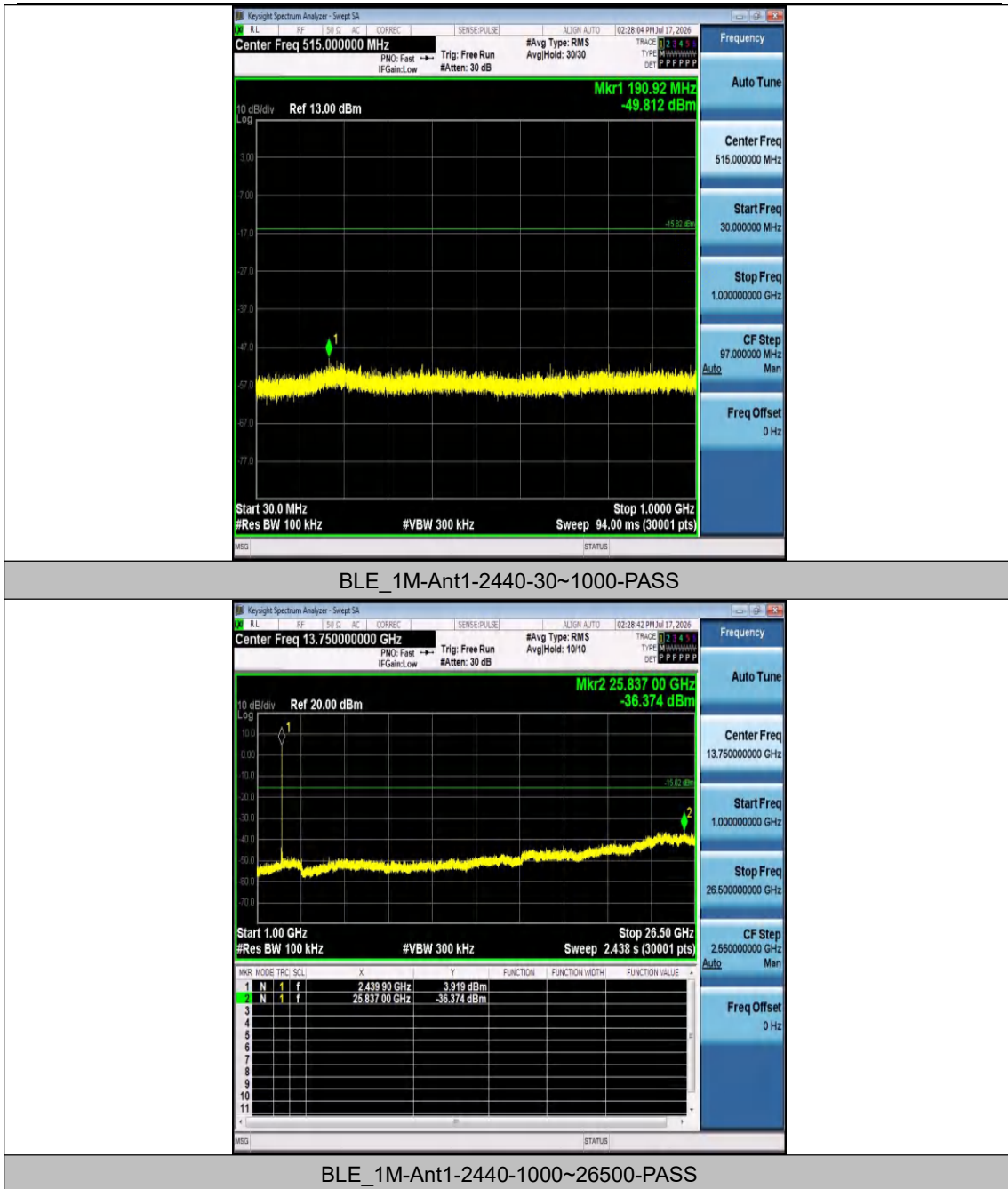
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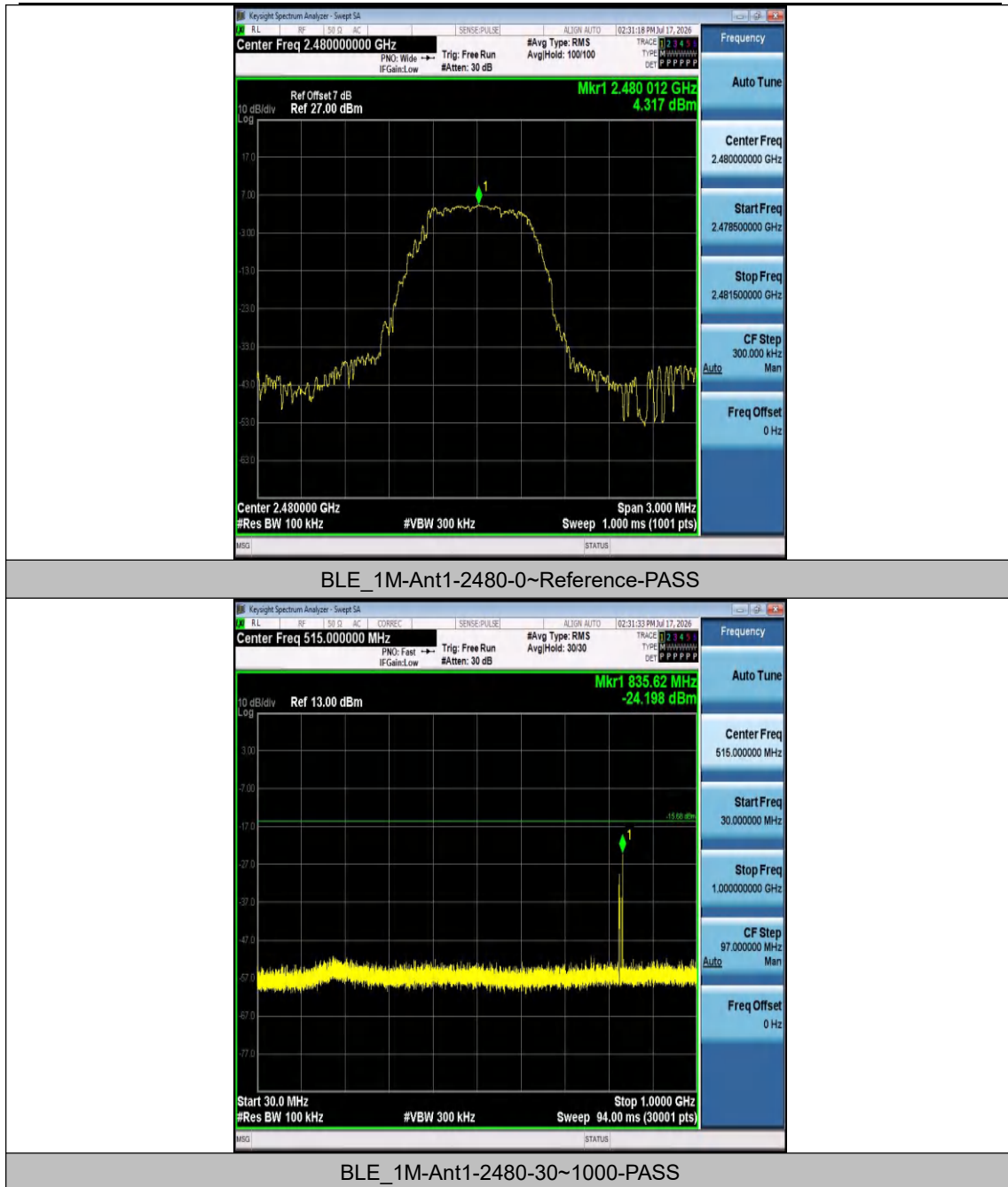
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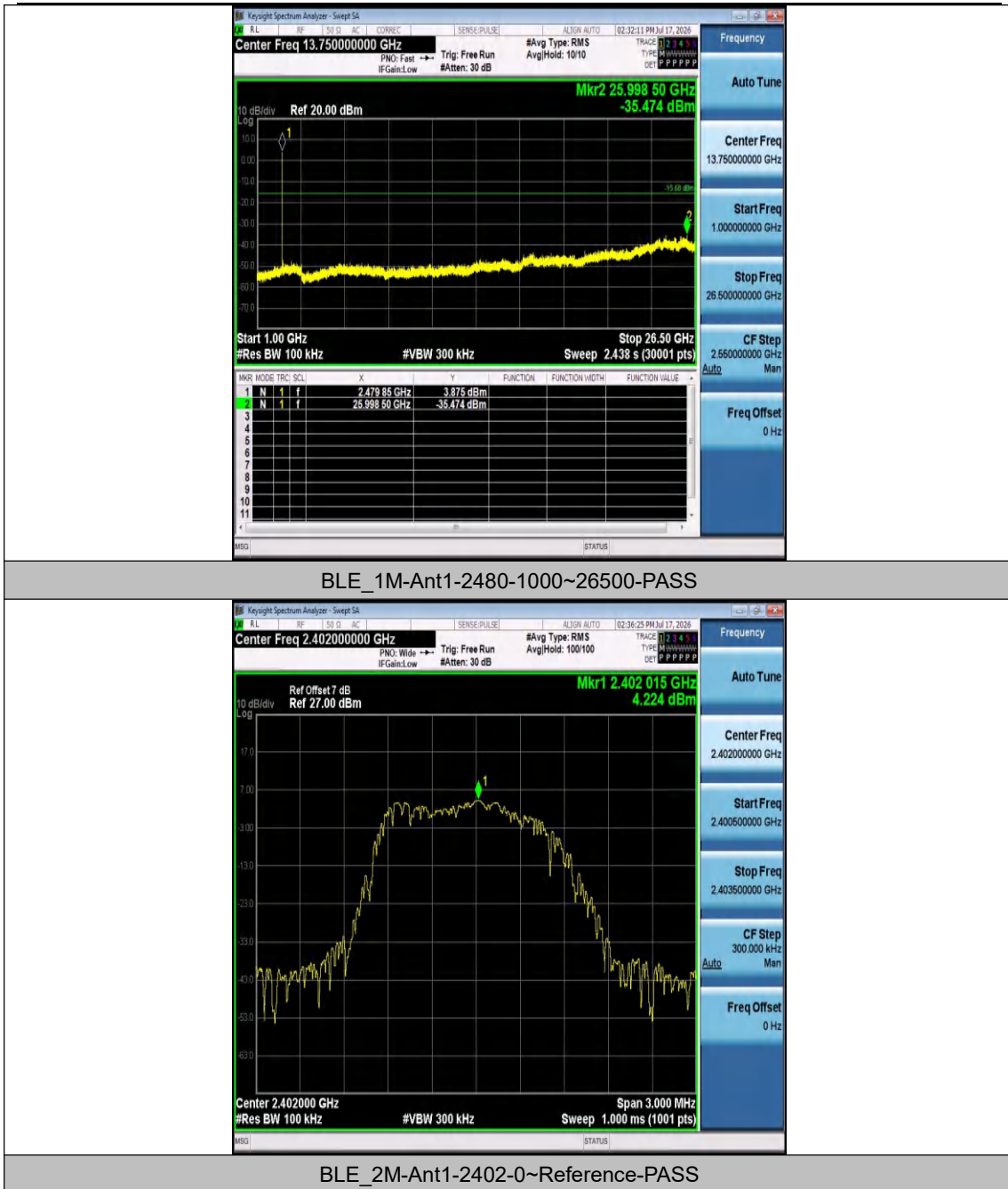
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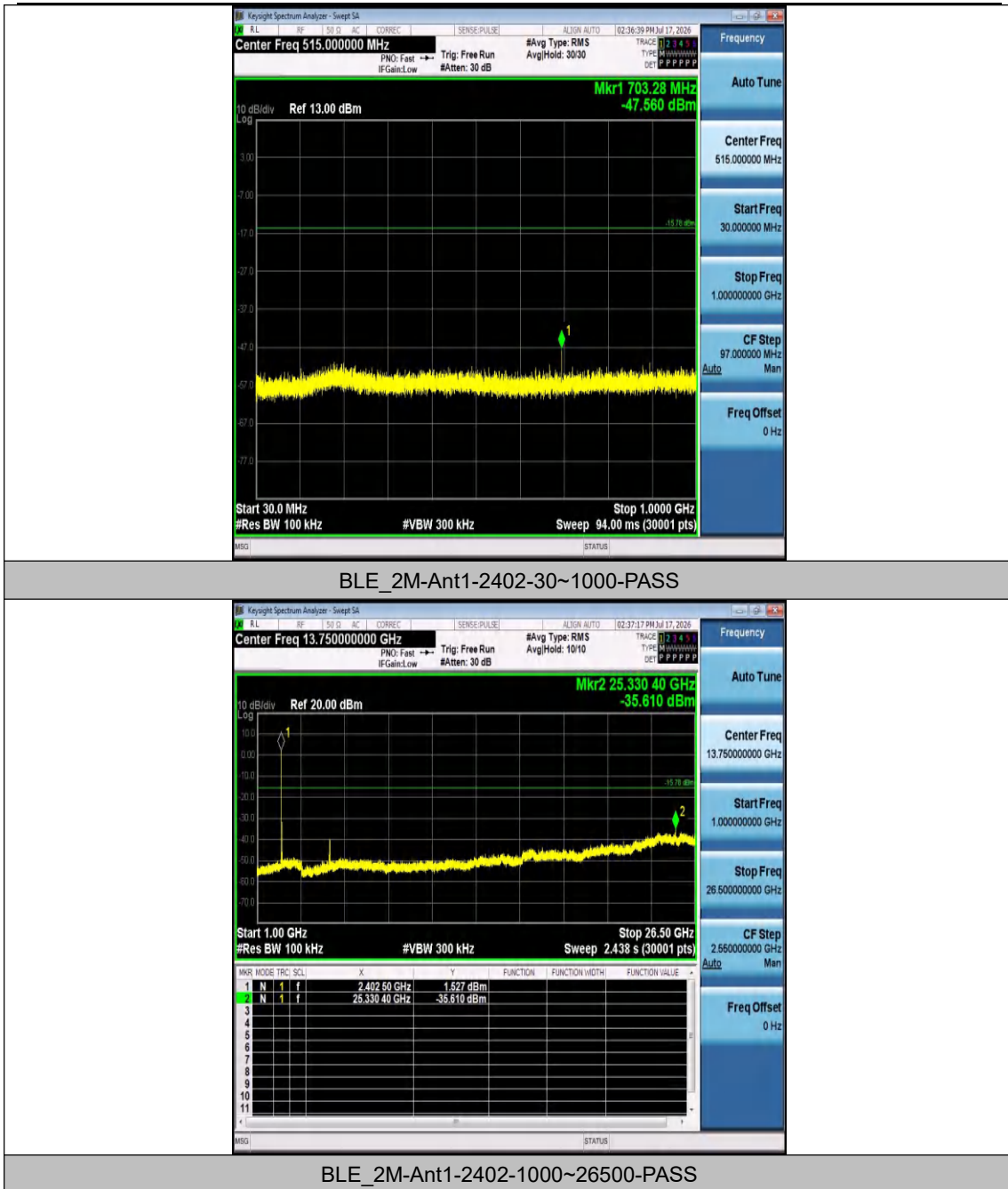
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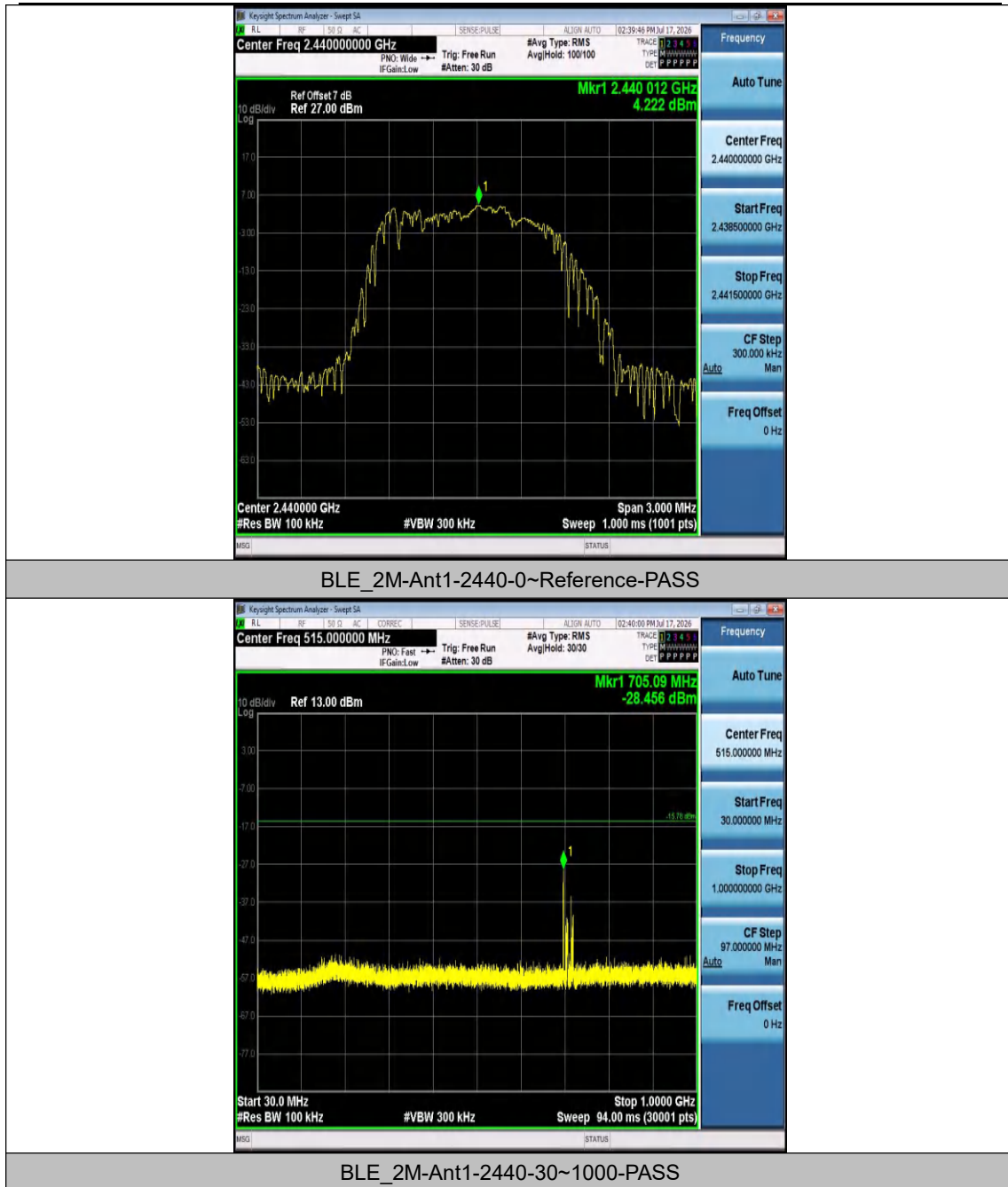
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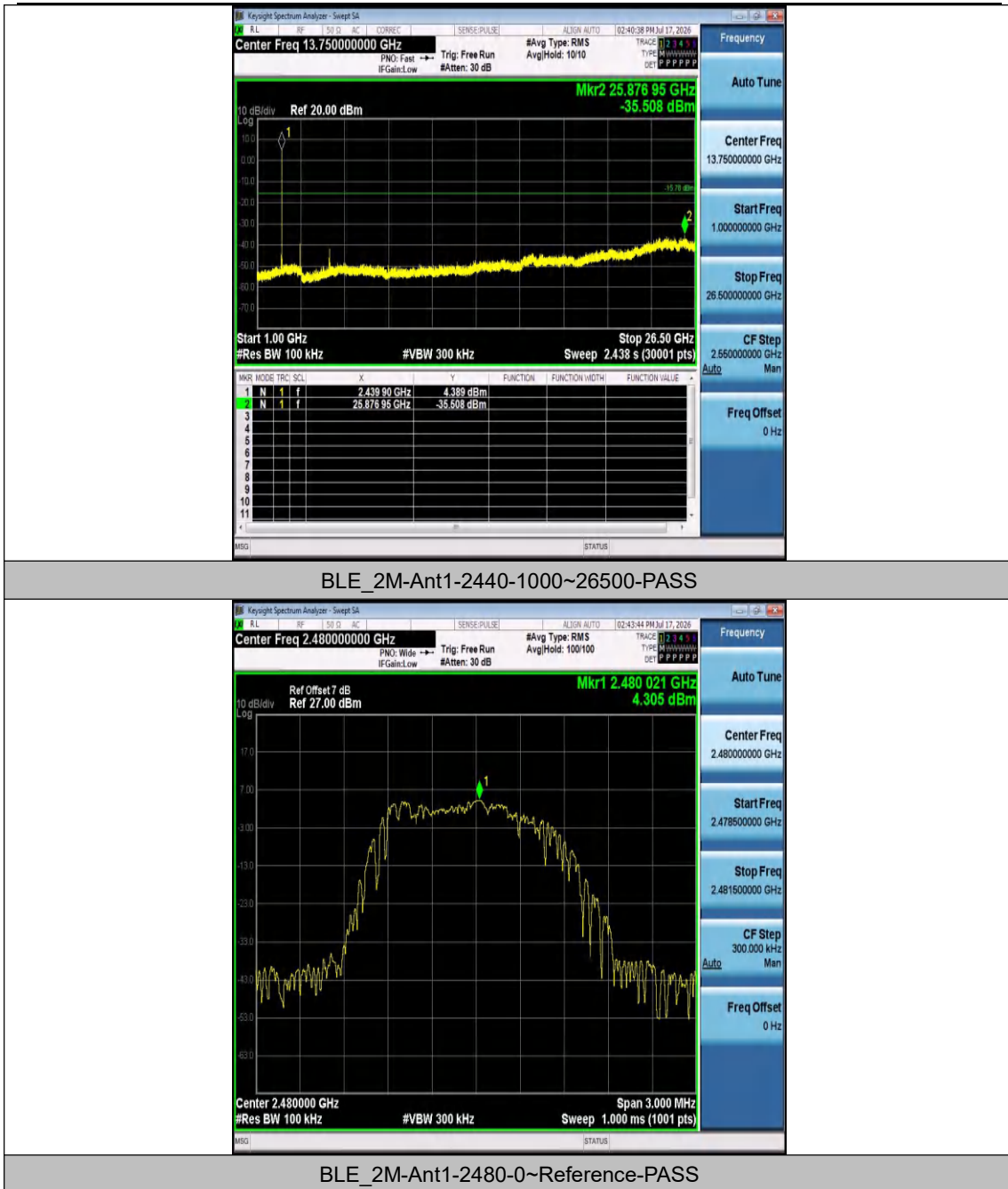
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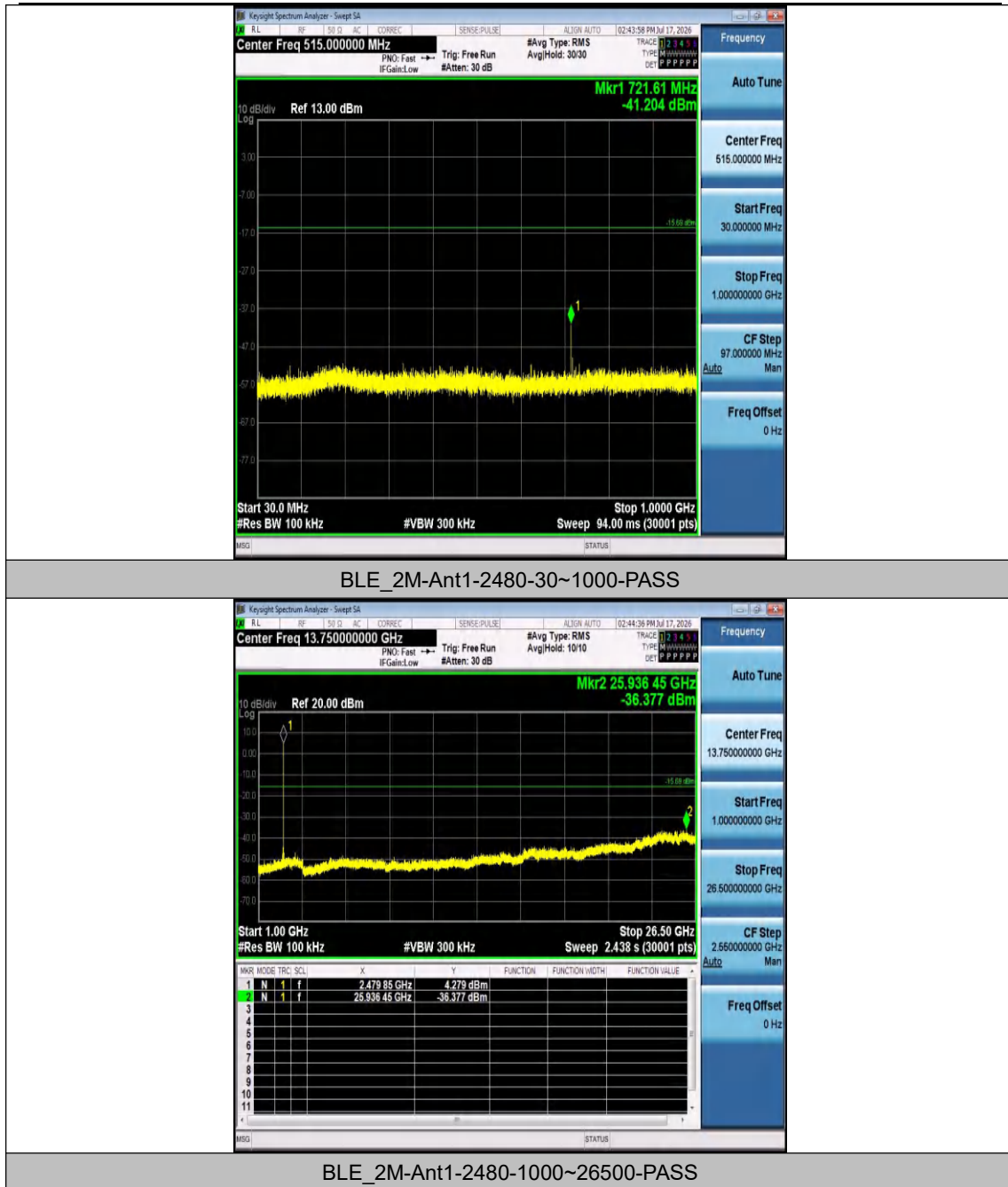
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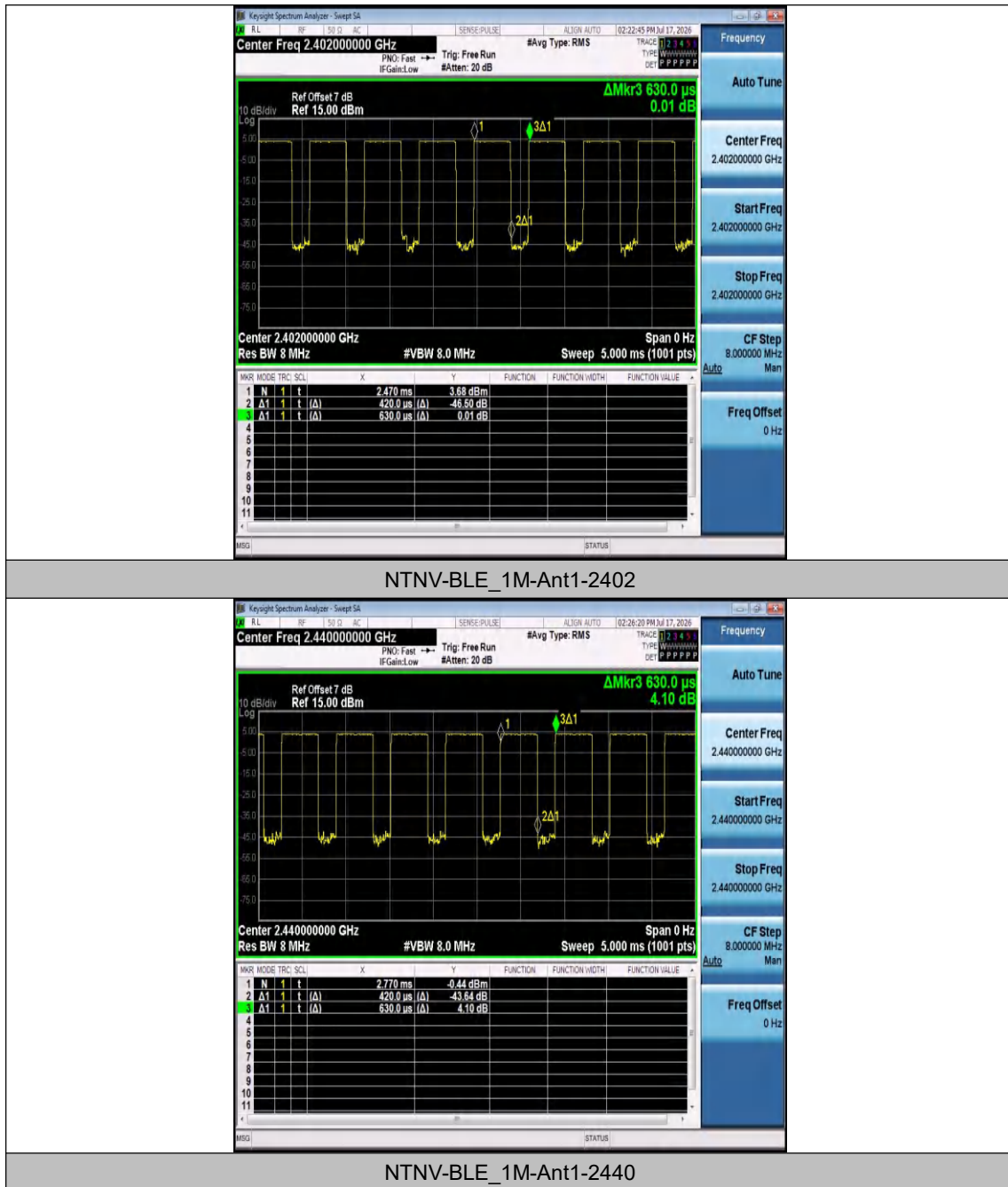
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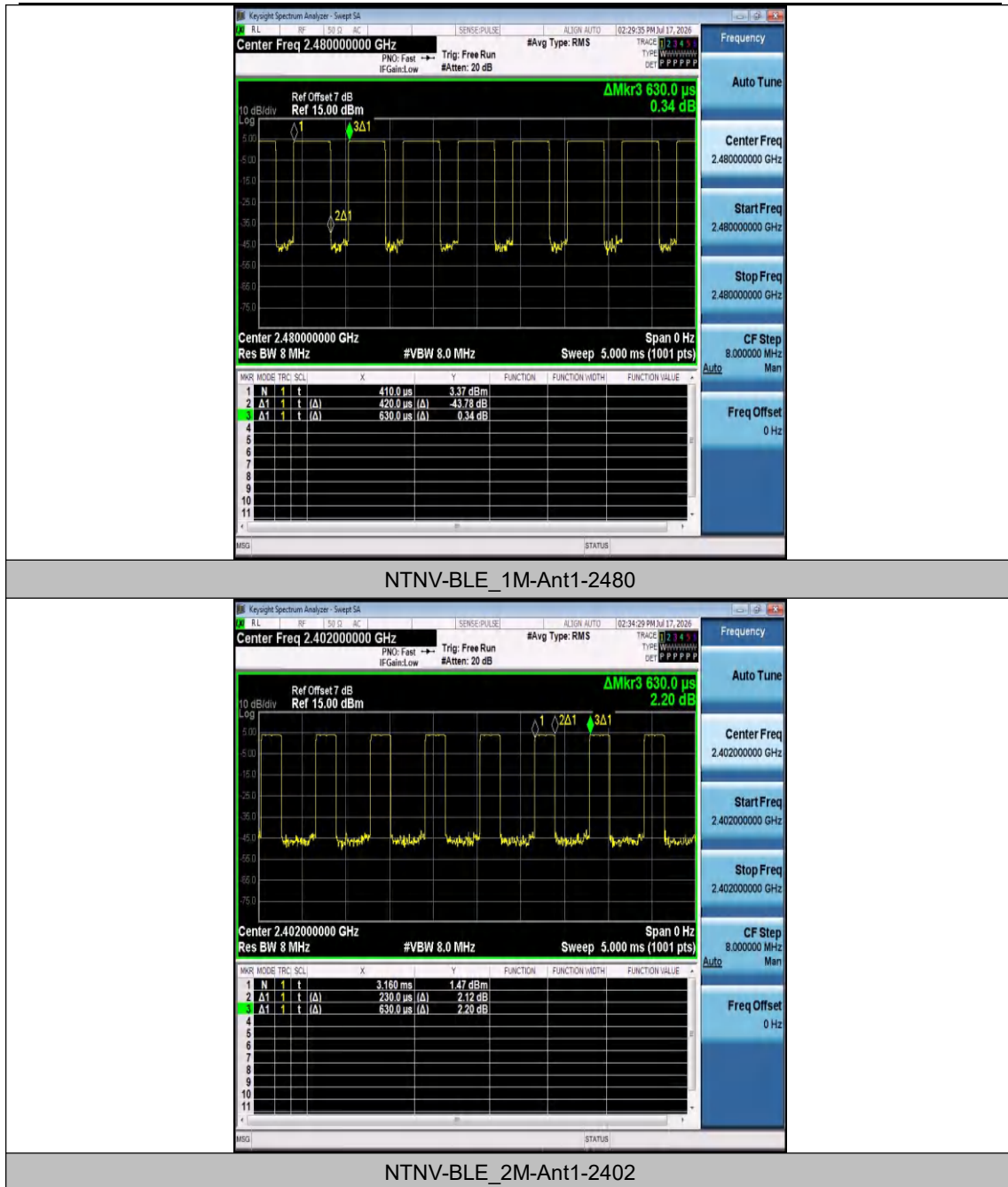
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	0.63	66.67	1.76
BLE_1M	Ant1	2440	0.42	0.63	66.67	1.76
BLE_1M	Ant1	2480	0.42	0.63	66.67	1.76
BLE_2M	Ant1	2402	0.23	0.63	36.51	4.38
BLE_2M	Ant1	2440	0.23	0.62	37.10	4.31
BLE_2M	Ant1	2480	0.23	0.62	37.10	4.31

Test Graphs

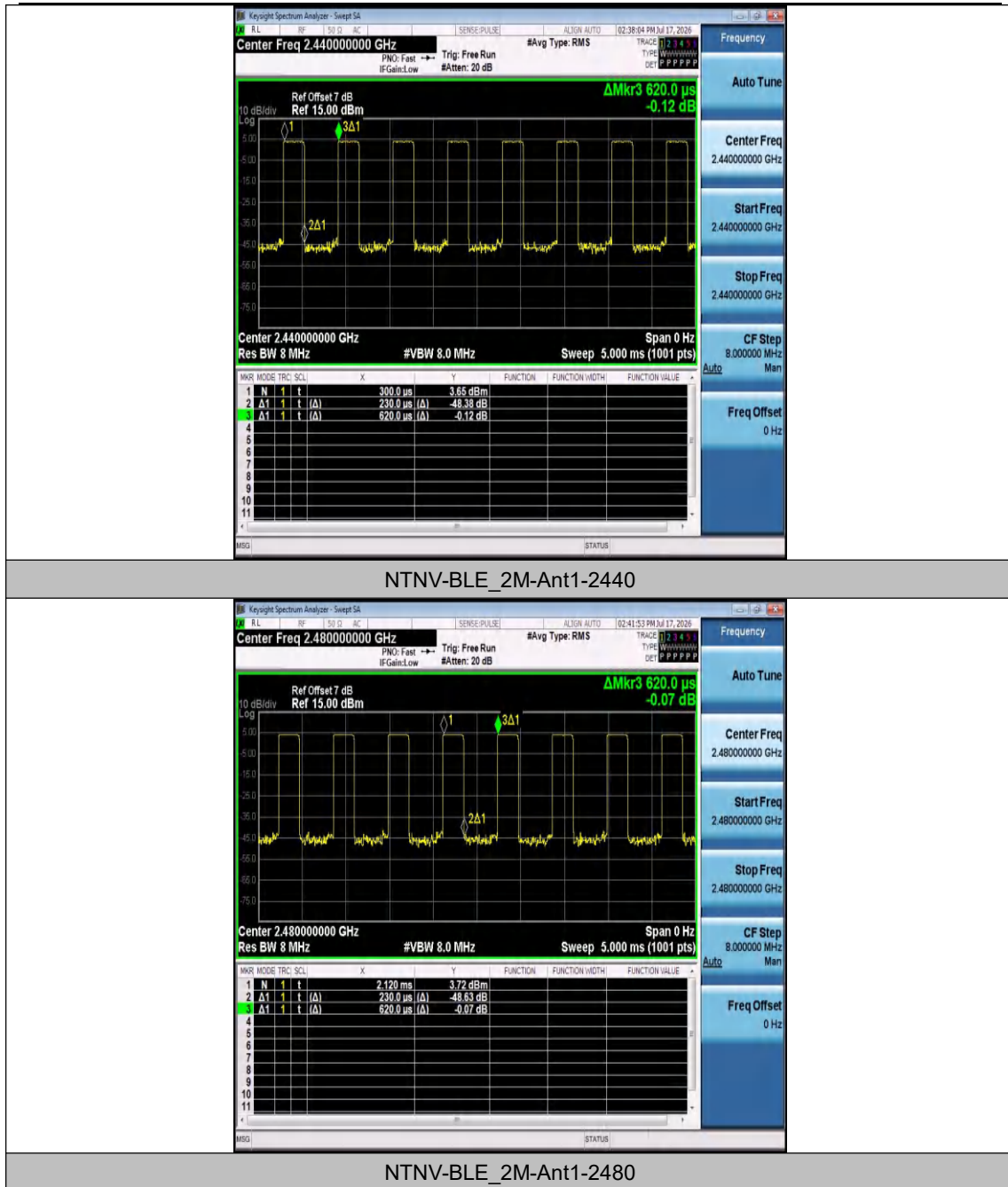




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