

Appendix Test Data

Report No.:	1819C60031712502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-3-31	Finish Test Date:	2026-4-9
Test Engineer:	Huise Guan	Auditor:	Justin Feng
Temperature:	26°C	Relative Humidity:	45%
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	0.664	2401.672	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.652	2439.680	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.648	2479.684	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.344	2401.308	2402.652	0.5	PASS
BLE_2M	Ant1	2440	1.316	2439.320	2440.636	0.5	PASS
BLE_2M	Ant1	2480	1.356	2479.300	2480.656	0.5	PASS

Test Graphs



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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	1.0235	2401.4960	2402.5195	---	---
BLE_1M	Ant1	2440	1.0202	2439.4993	2440.5195	---	---
BLE_1M	Ant1	2480	1.0173	2479.4997	2480.5170	---	---
BLE_2M	Ant1	2402	2.0438	2401.0222	2403.0660	---	---
BLE_2M	Ant1	2440	2.0269	2439.0168	2441.0437	---	---
BLE_2M	Ant1	2480	2.0990	2479.0123	2481.1113	---	---

Test Graphs



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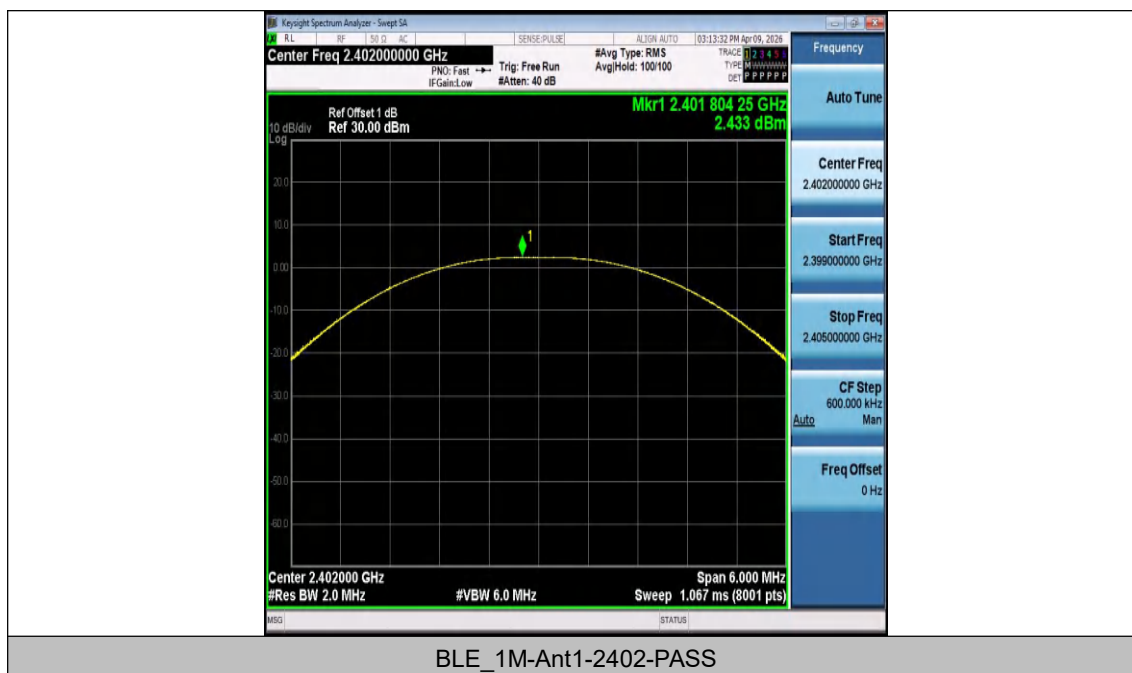
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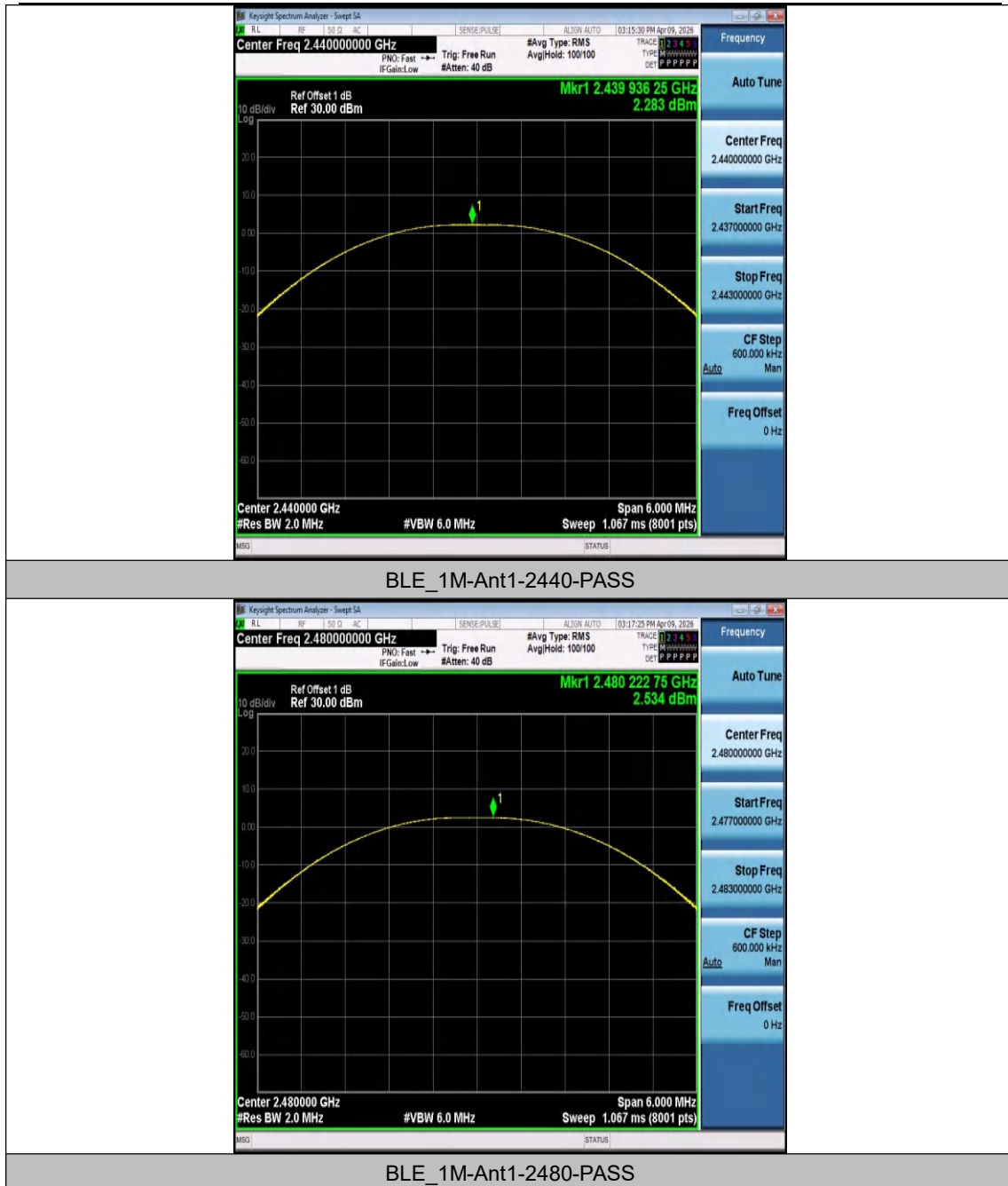
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.43	≤30	PASS
BLE_1M	Ant1	2440	2.28	≤30	PASS
BLE_1M	Ant1	2480	2.53	≤30	PASS
BLE_2M	Ant1	2402	2.66	≤30	PASS
BLE_2M	Ant1	2440	2.50	≤30	PASS
BLE_2M	Ant1	2480	2.81	≤30	PASS

Test Graphs Peak

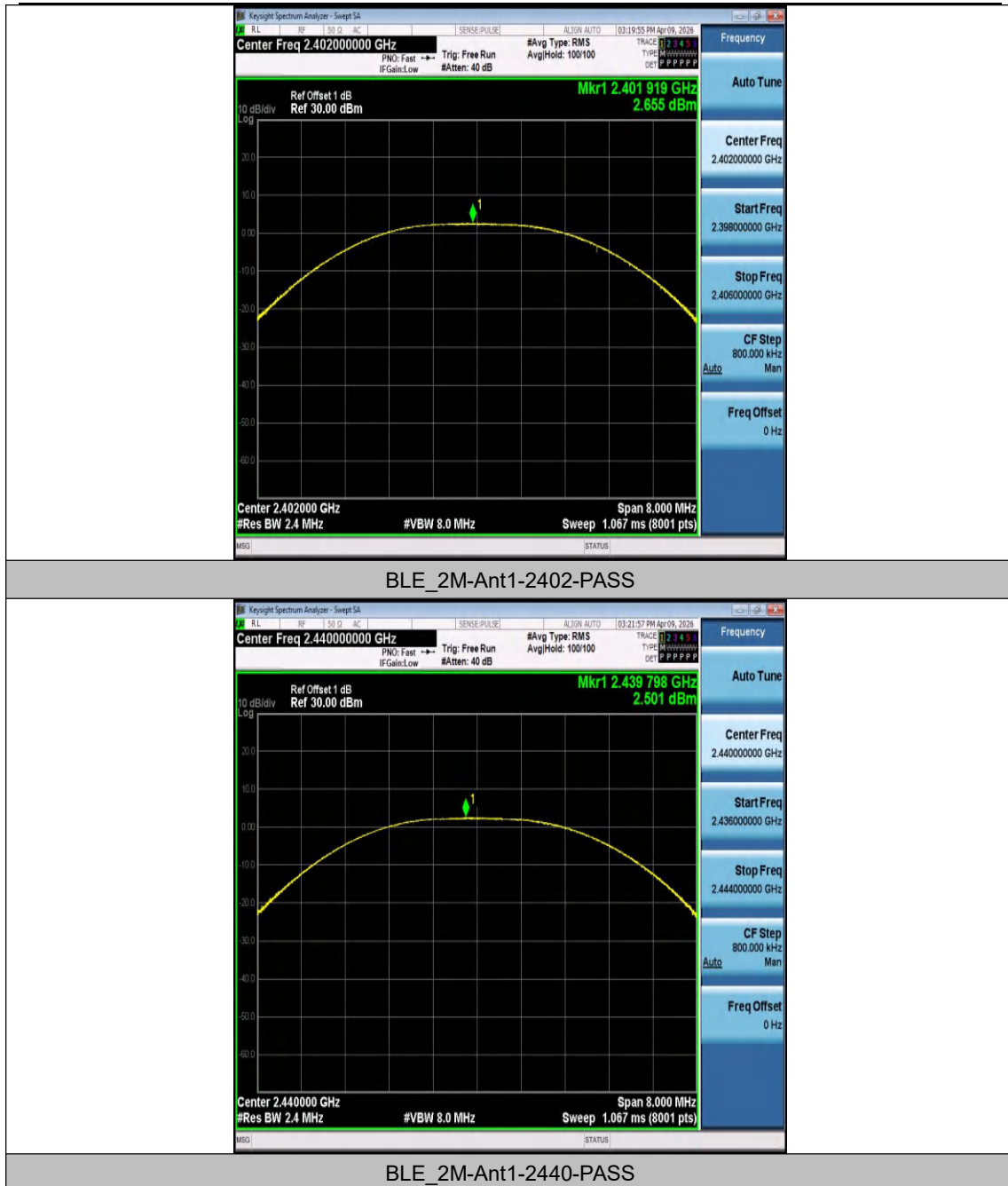




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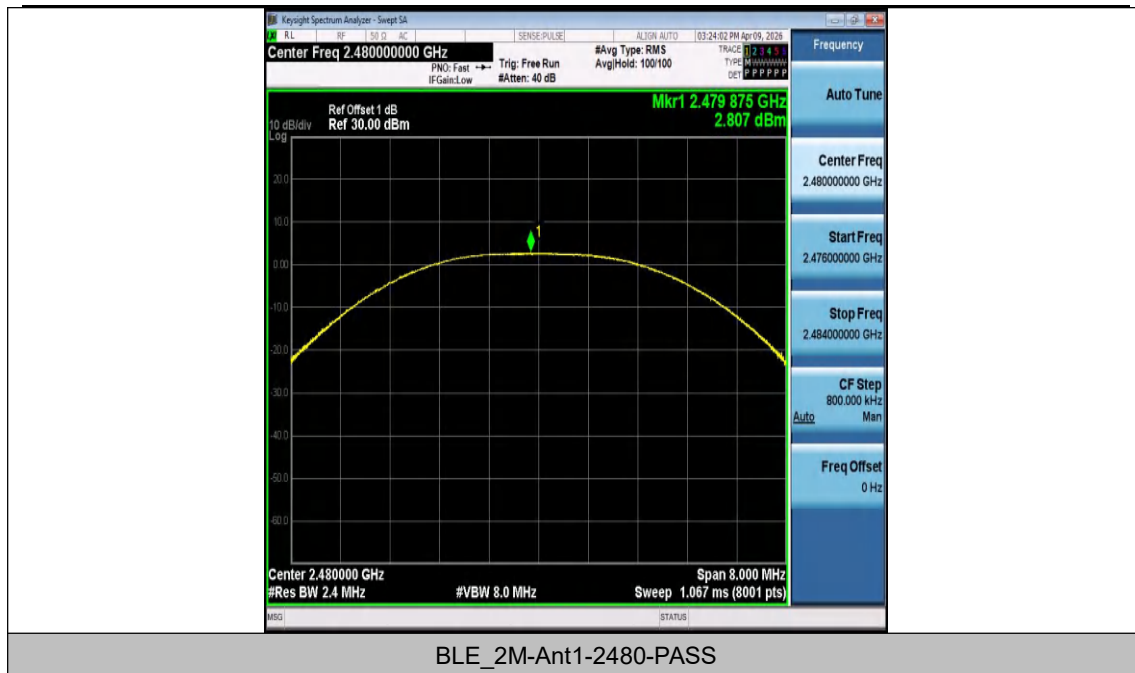
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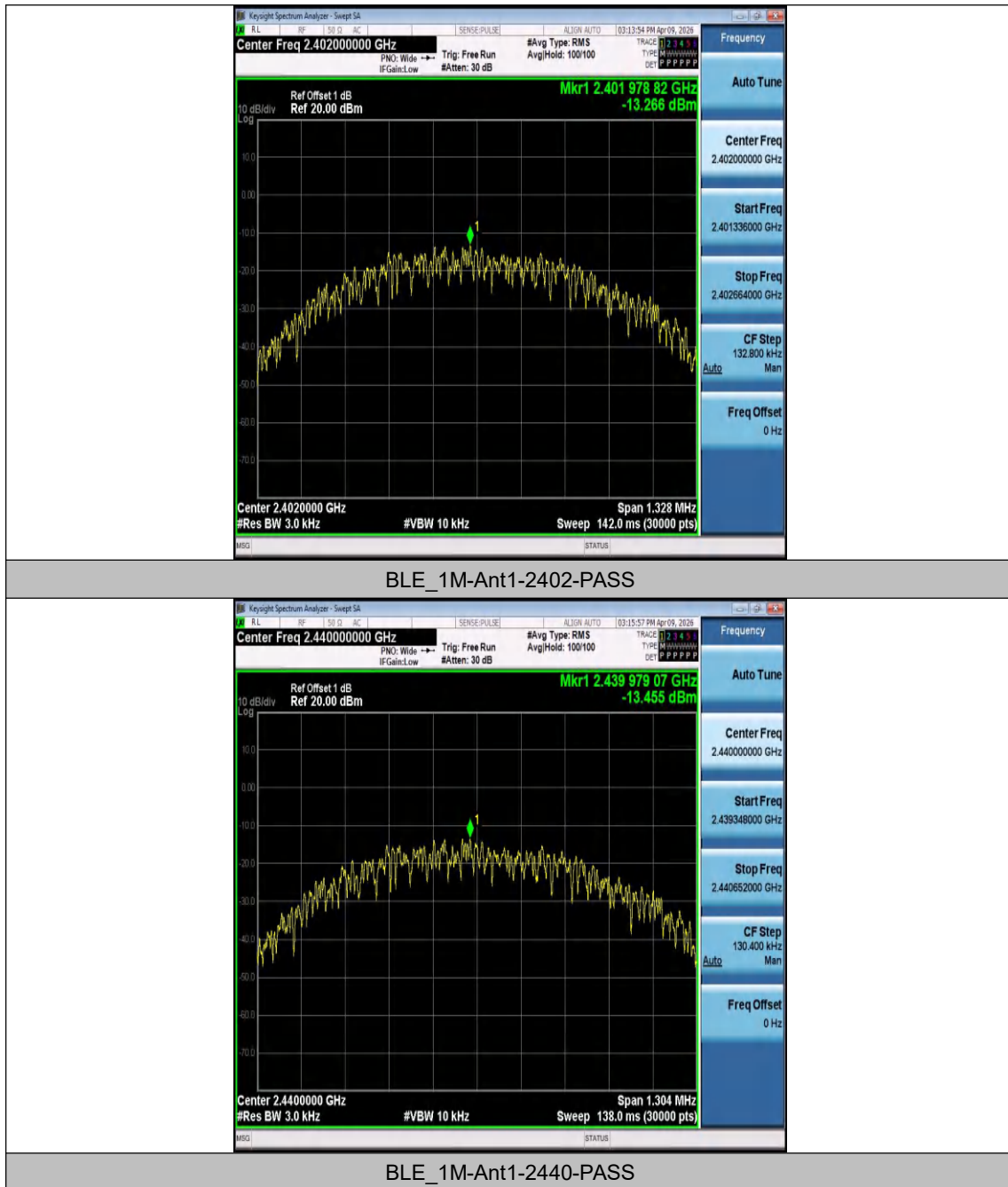
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.27	≤8.00	PASS
BLE_1M	Ant1	2440	-13.46	≤8.00	PASS
BLE_1M	Ant1	2480	-13.03	≤8.00	PASS
BLE_2M	Ant1	2402	-15.65	≤8.00	PASS
BLE_2M	Ant1	2440	-15.65	≤8.00	PASS
BLE_2M	Ant1	2480	-15.32	≤8.00	PASS

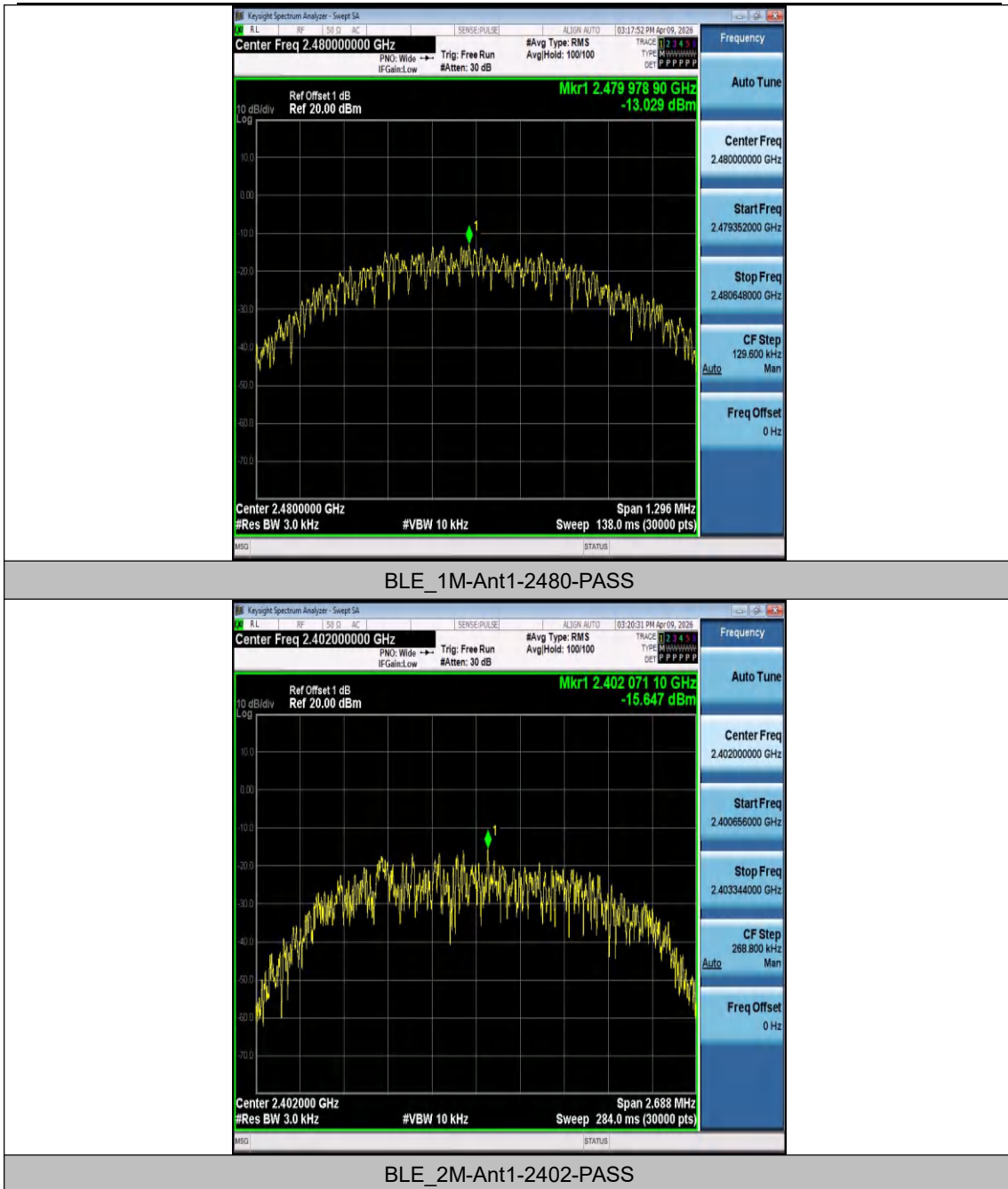
Test Graphs



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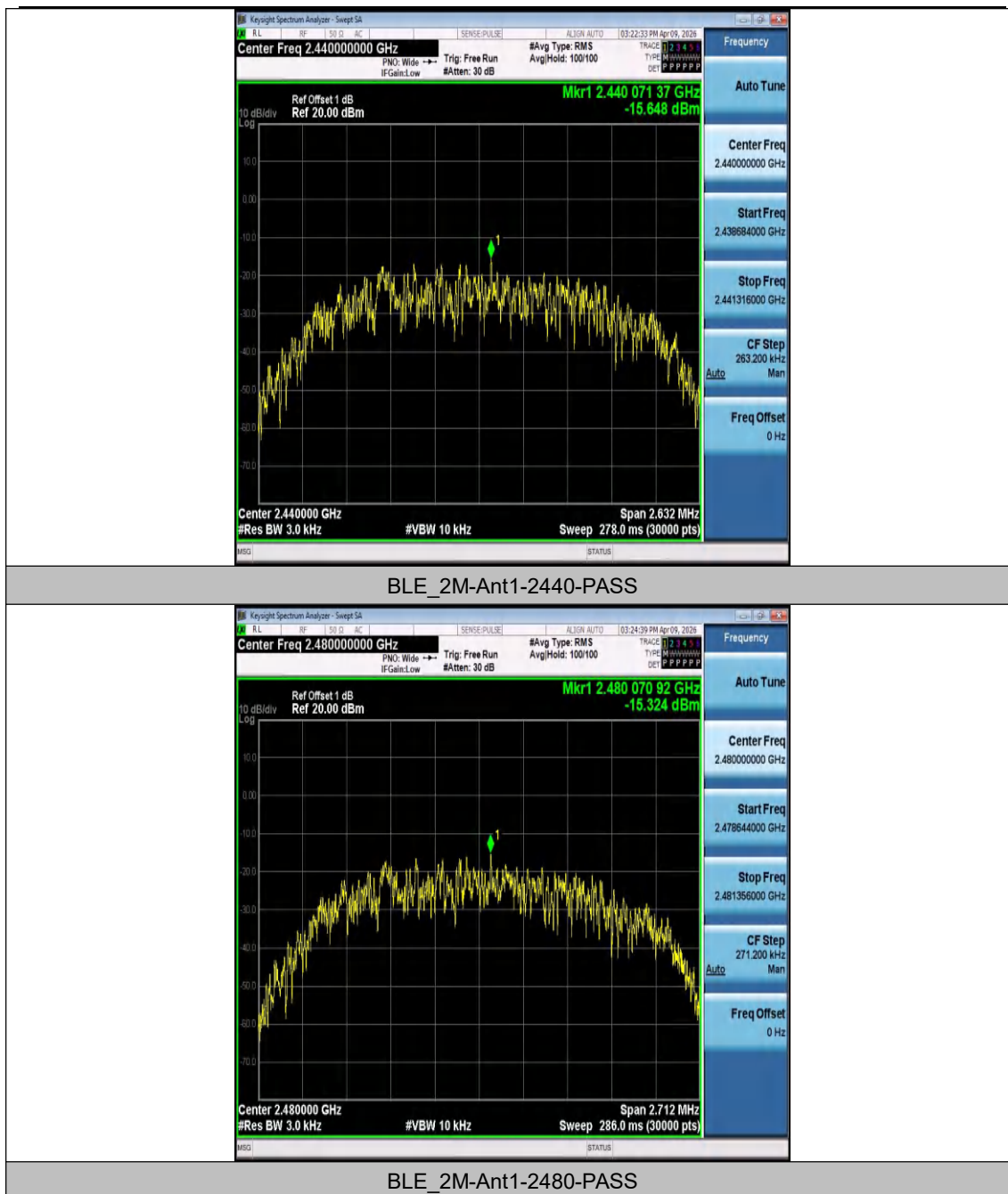
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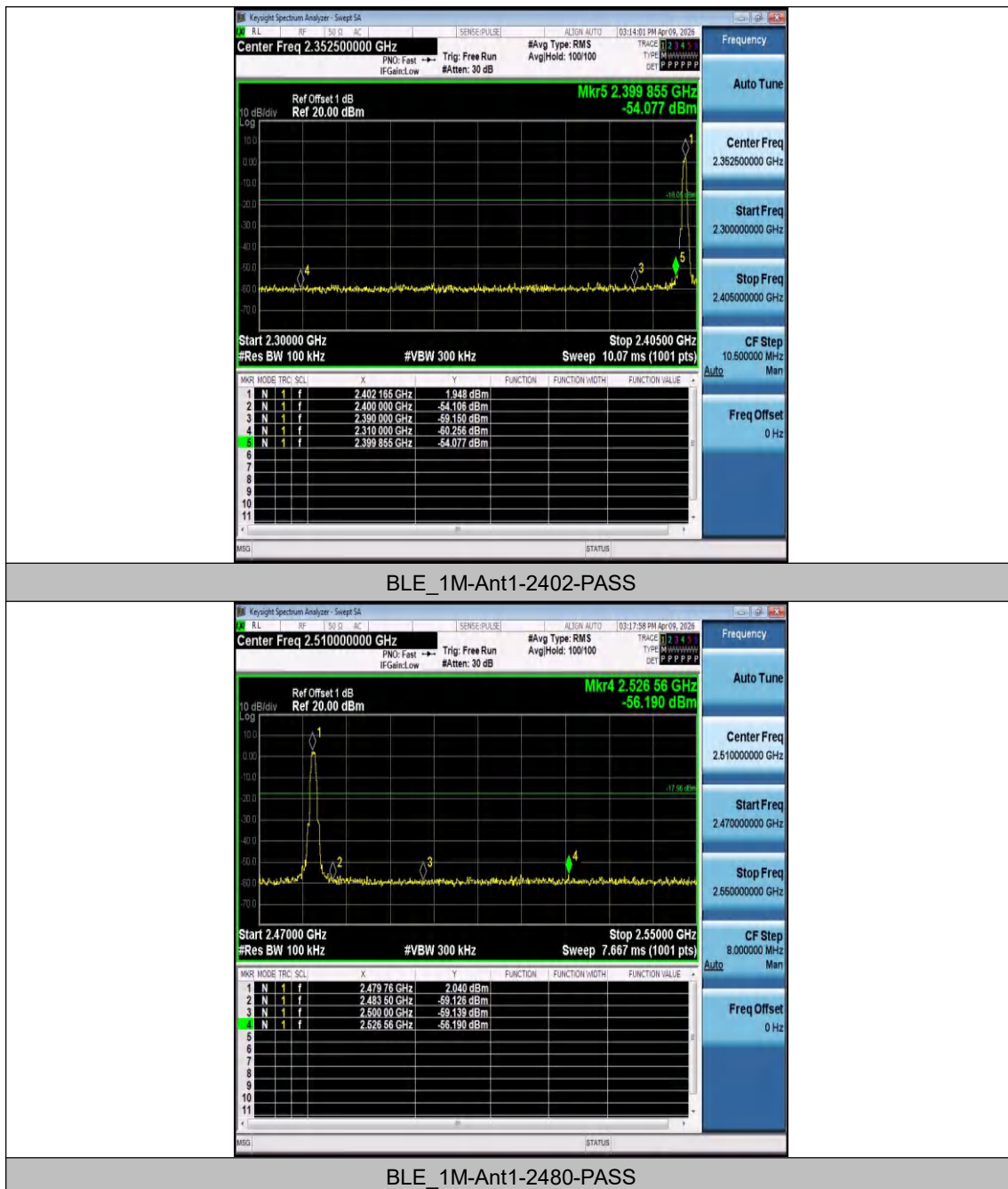
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.95	-54.08	≤-18.05	PASS
BLE_1M	Ant1	High	2480	2.04	-56.19	≤-17.96	PASS
BLE_2M	Ant1	Low	2402	2.20	-47.61	≤-17.8	PASS
BLE_2M	Ant1	High	2480	0.85	-56.42	≤-19.15	PASS

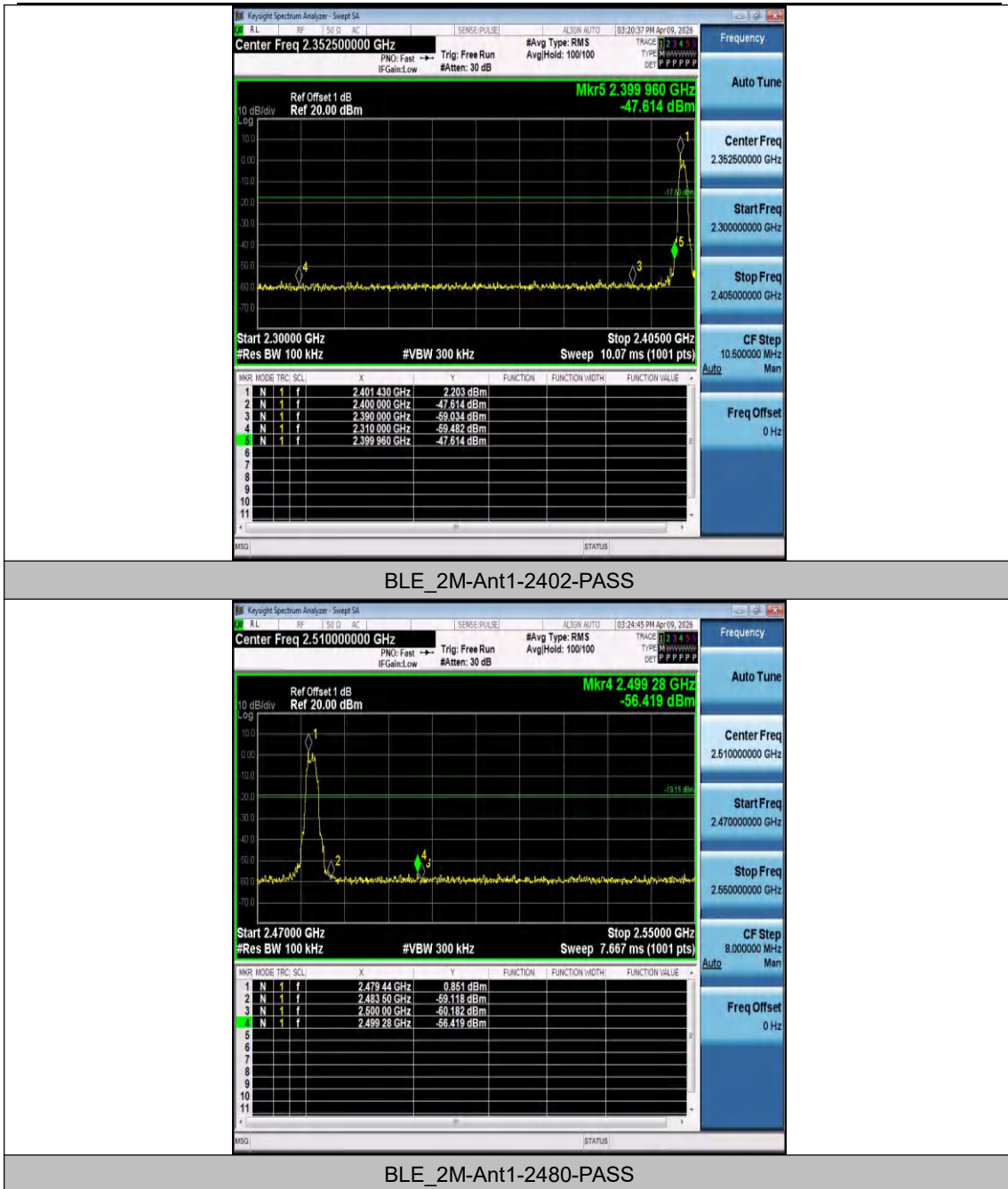
Test Graphs



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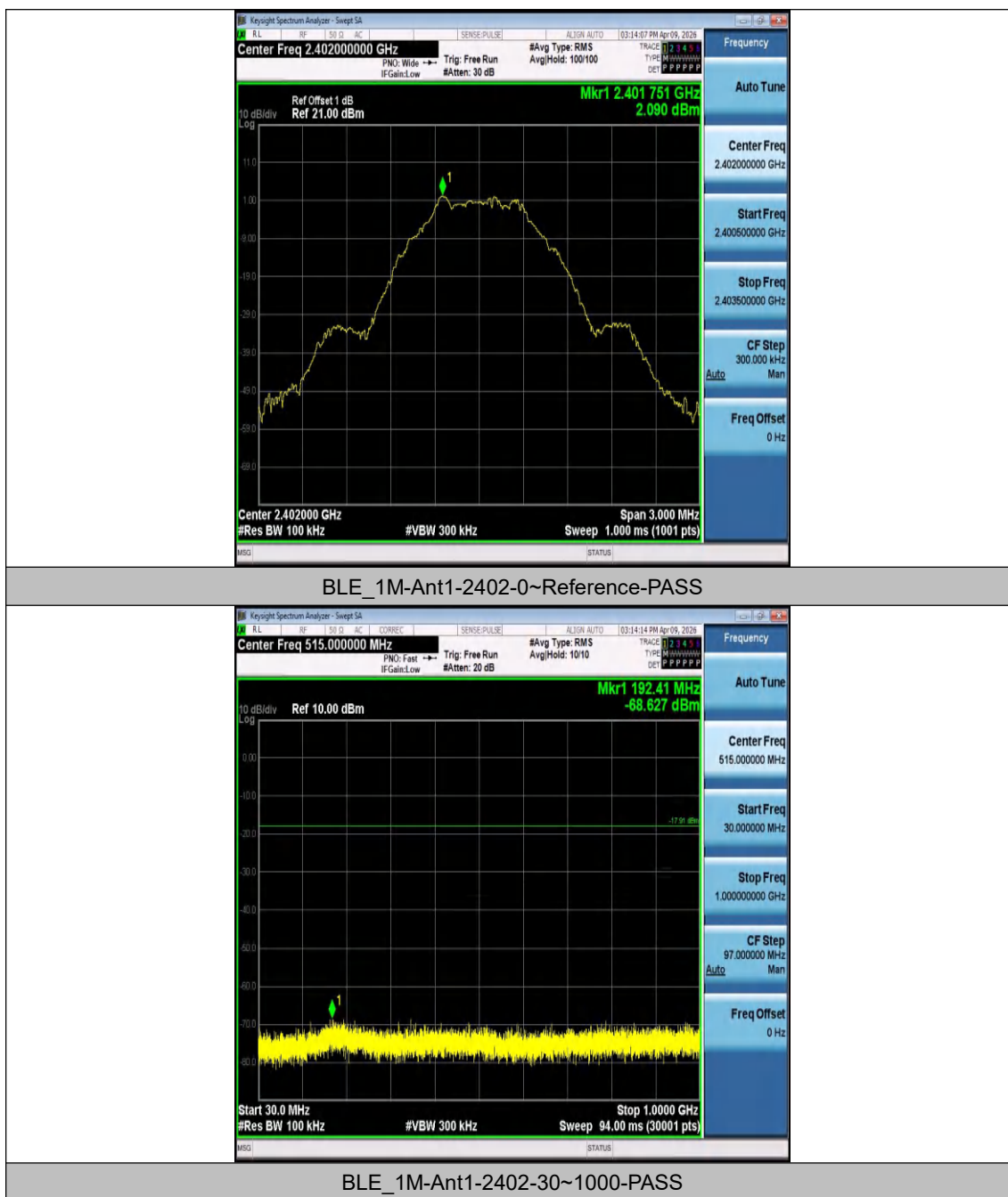
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.09	2.09	---	PASS
BLE_1M	Ant1	2402	30~1000	2.09	-68.63	≤-17.91	PASS
BLE_1M	Ant1	2402	1000~26500	2.09	-21.73	≤-17.91	PASS
BLE_1M	Ant1	2440	0~Reference	2.01	2.01	---	PASS
BLE_1M	Ant1	2440	30~1000	2.01	-67.85	≤-17.99	PASS
BLE_1M	Ant1	2440	1000~26500	2.01	-21.99	≤-17.99	PASS
BLE_1M	Ant1	2480	0~Reference	2.28	2.28	---	PASS
BLE_1M	Ant1	2480	30~1000	2.28	-67.95	≤-17.72	PASS
BLE_1M	Ant1	2480	1000~26500	2.28	-21.1	≤-17.72	PASS
BLE_2M	Ant1	2402	0~Reference	2.13	2.13	---	PASS
BLE_2M	Ant1	2402	30~1000	2.13	-68.25	≤-17.87	PASS
BLE_2M	Ant1	2402	1000~26500	2.13	-24.76	≤-17.87	PASS
BLE_2M	Ant1	2440	0~Reference	1.91	1.91	---	PASS
BLE_2M	Ant1	2440	30~1000	1.91	-68.57	≤-18.09	PASS
BLE_2M	Ant1	2440	1000~26500	1.91	-22.52	≤-18.09	PASS
BLE_2M	Ant1	2480	0~Reference	2.25	2.25	---	PASS
BLE_2M	Ant1	2480	30~1000	2.25	-68.28	≤-17.75	PASS
BLE_2M	Ant1	2480	1000~26500	2.25	-24.54	≤-17.75	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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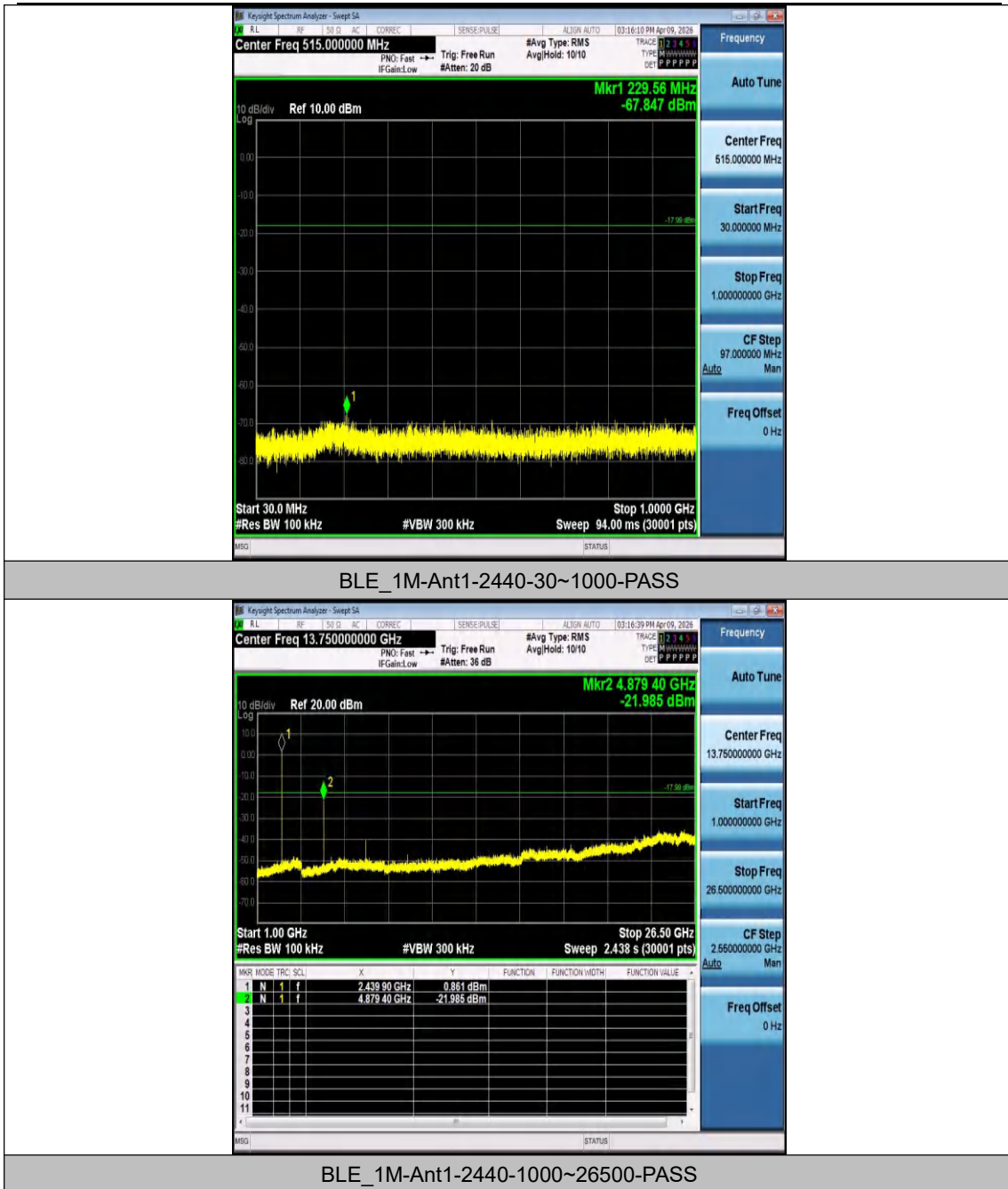
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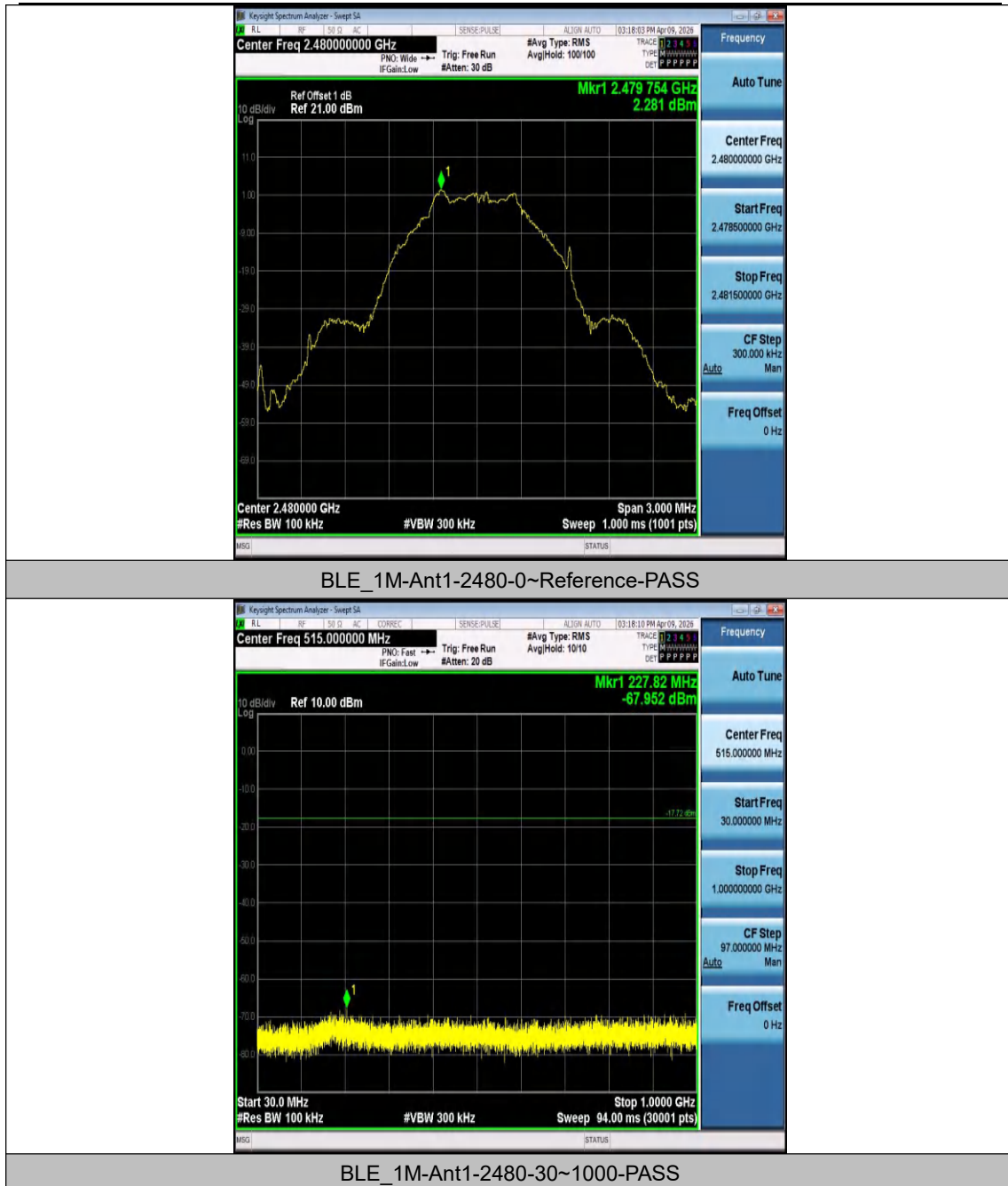
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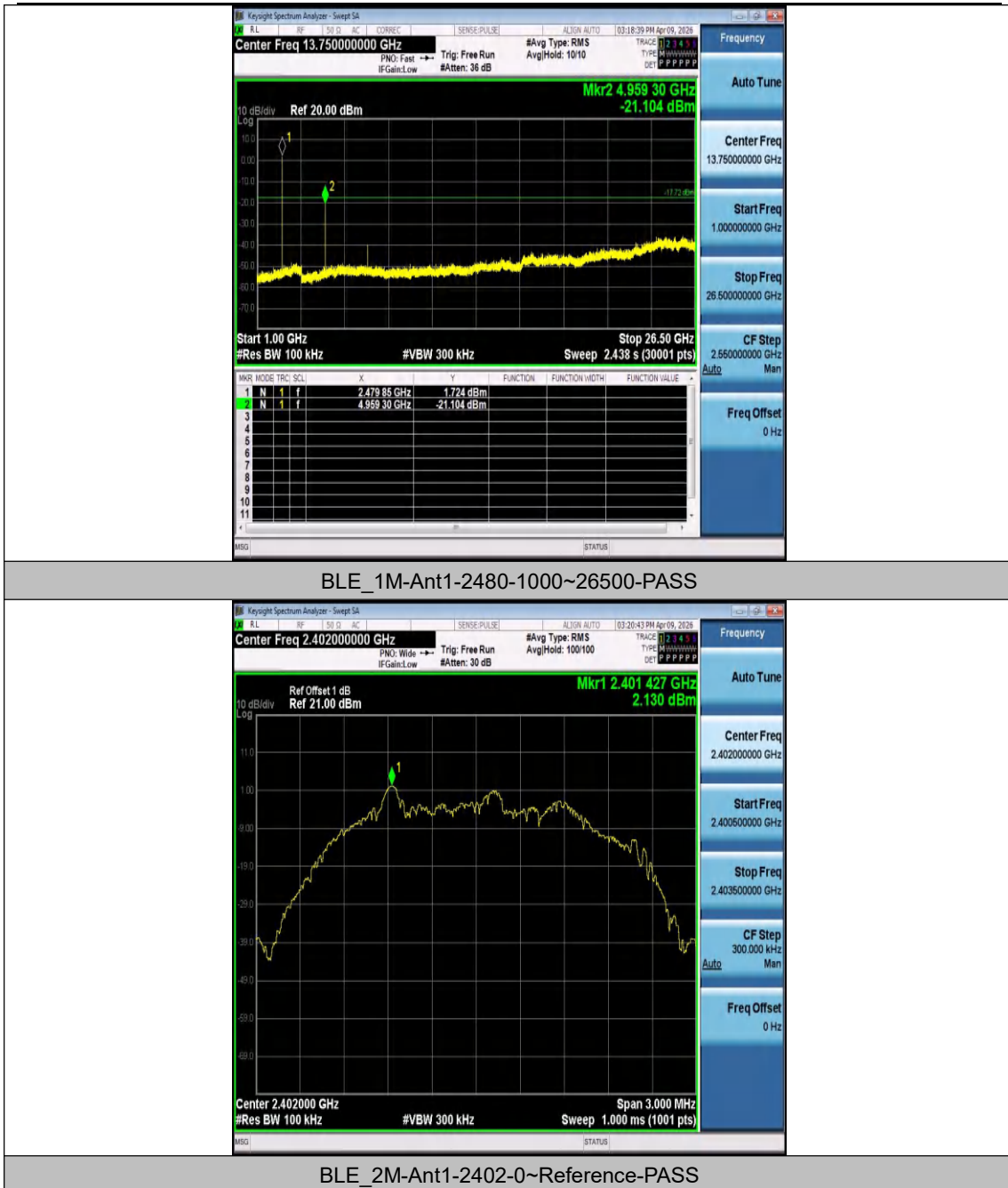
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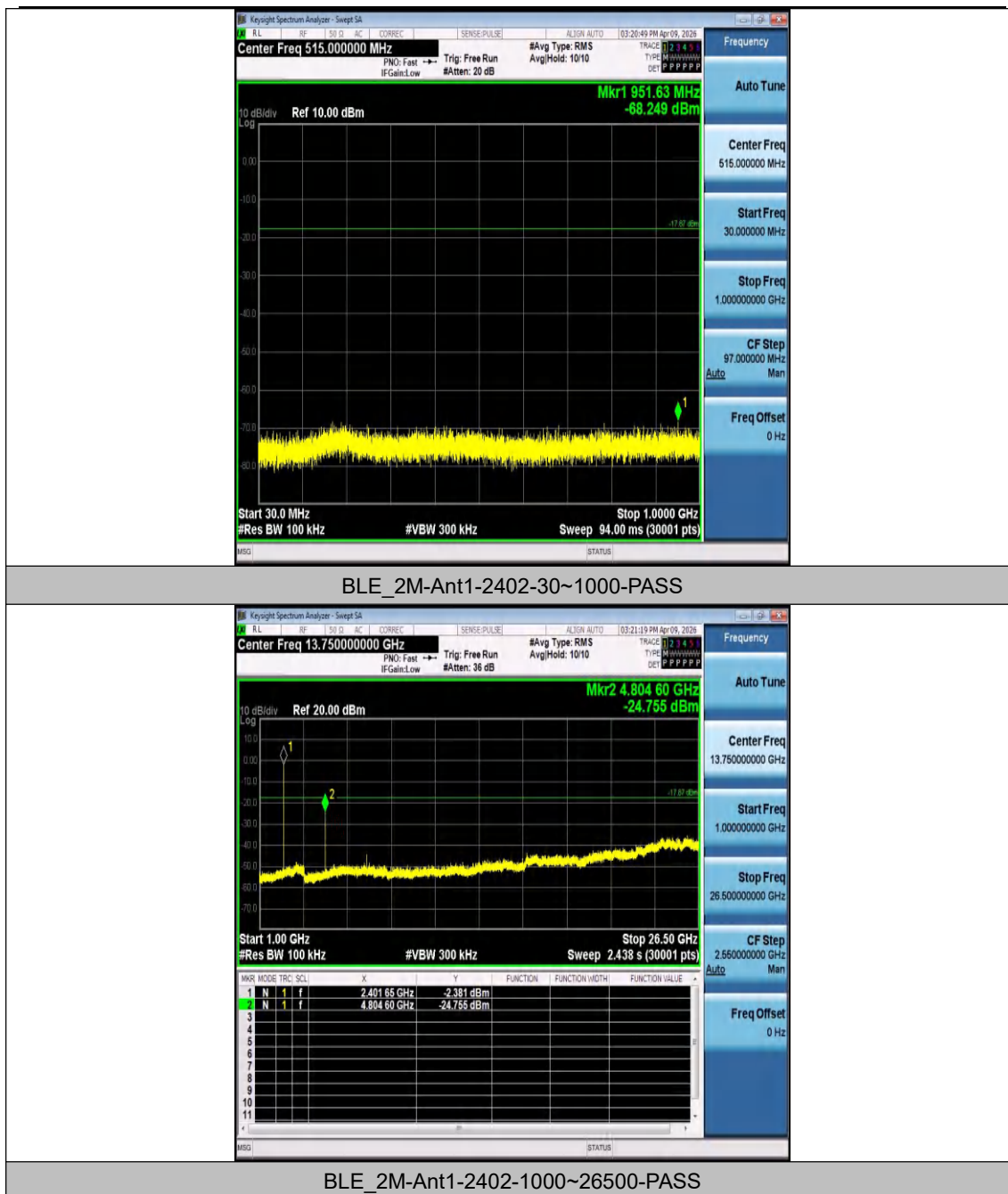
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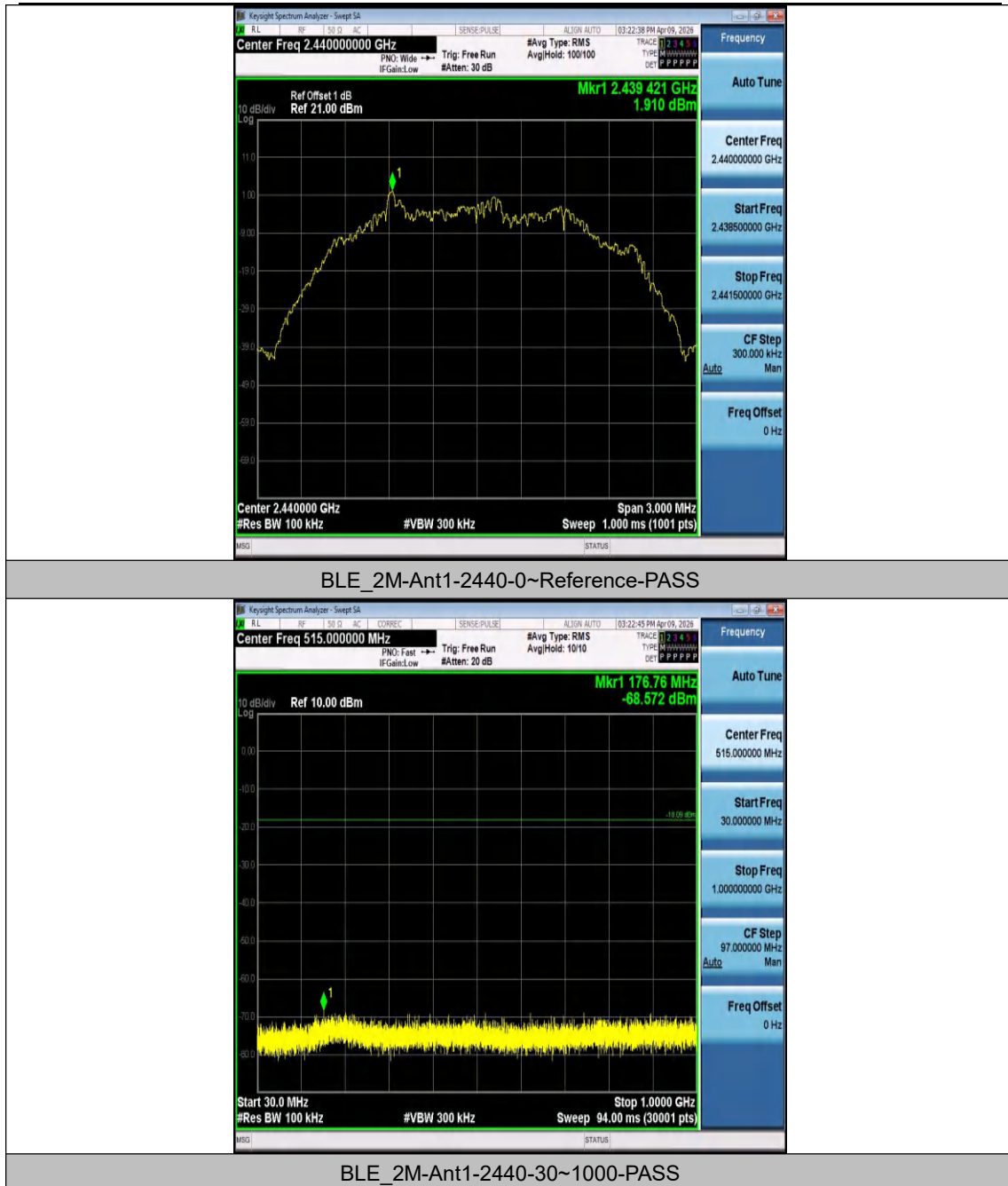
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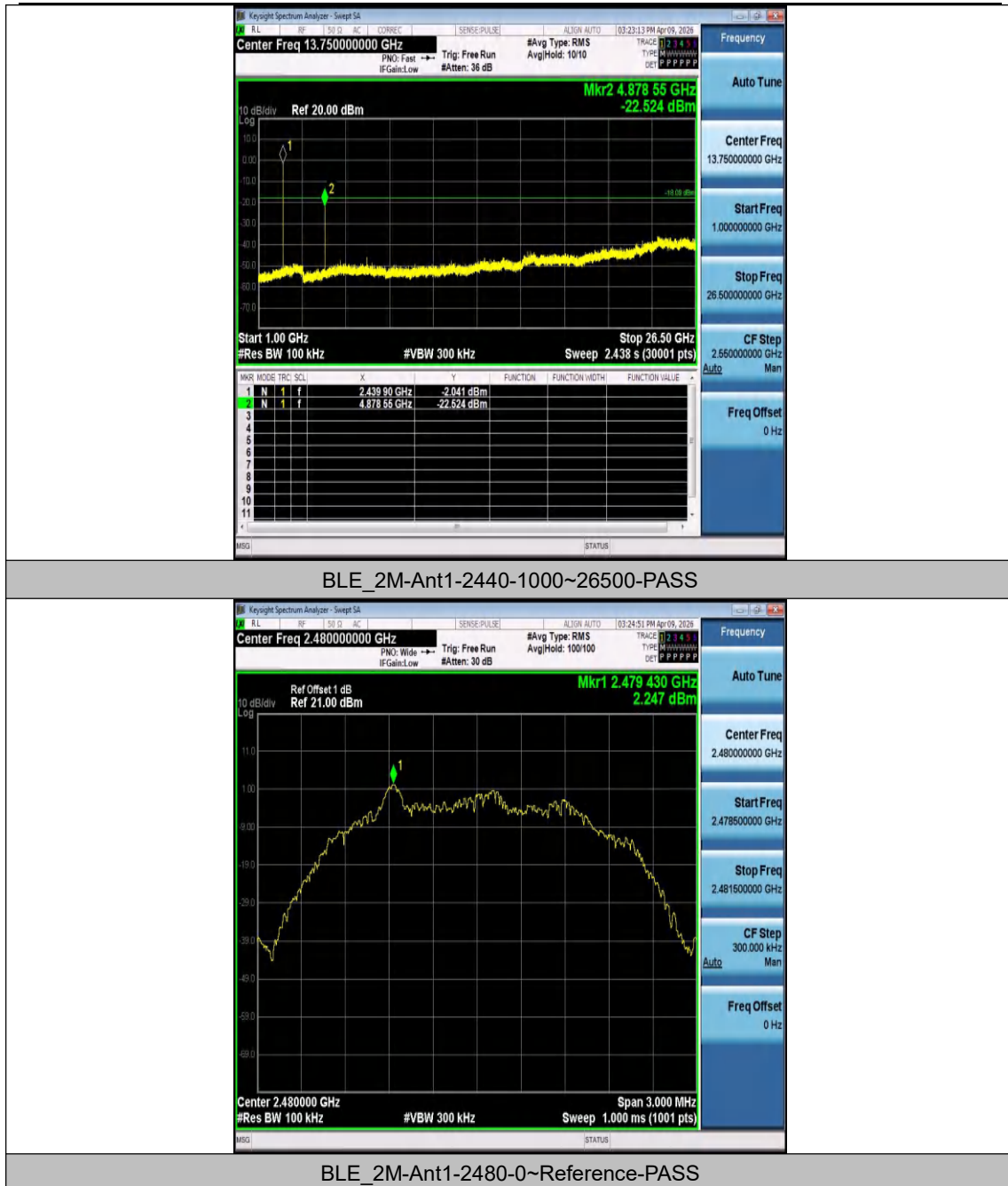
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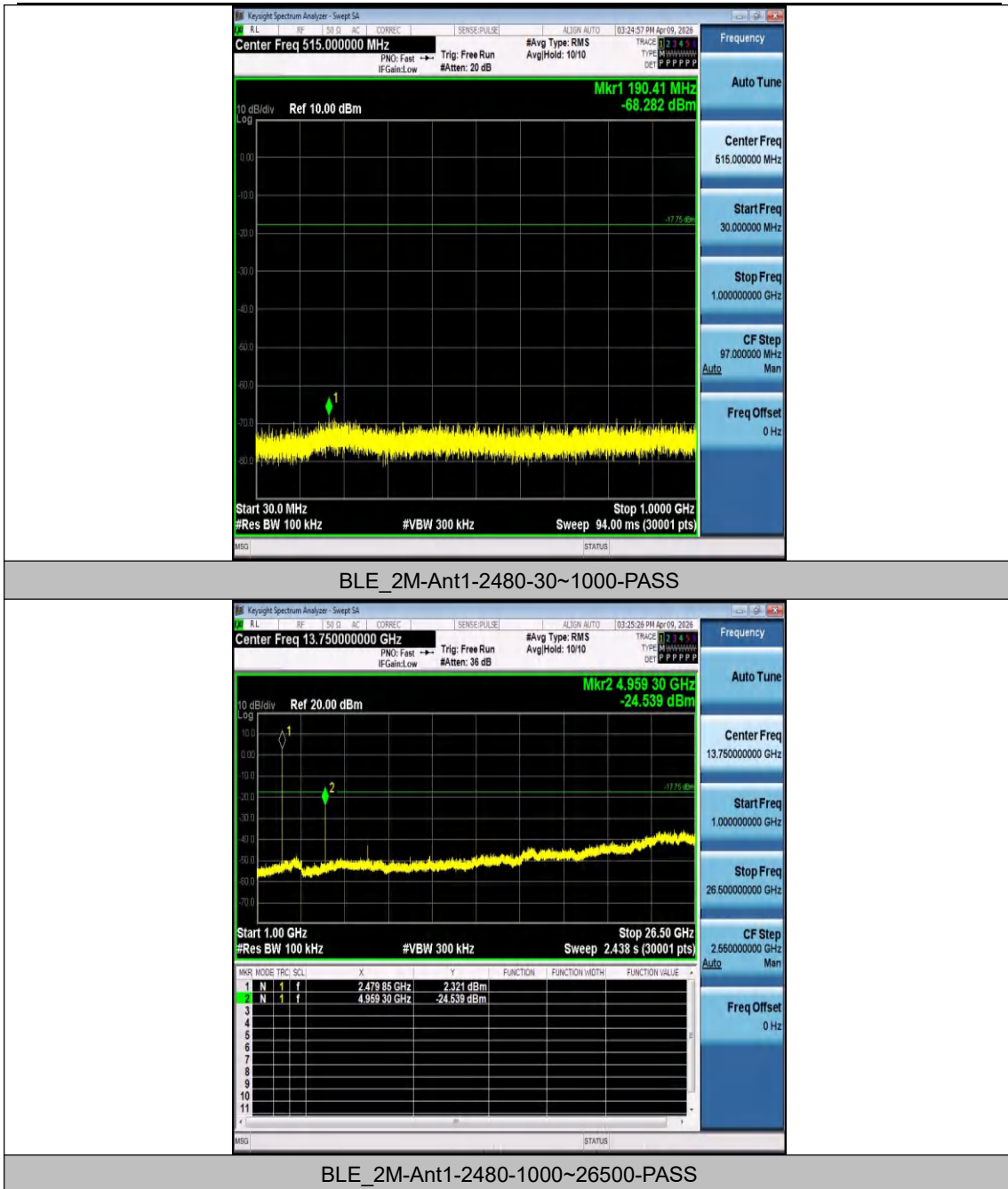
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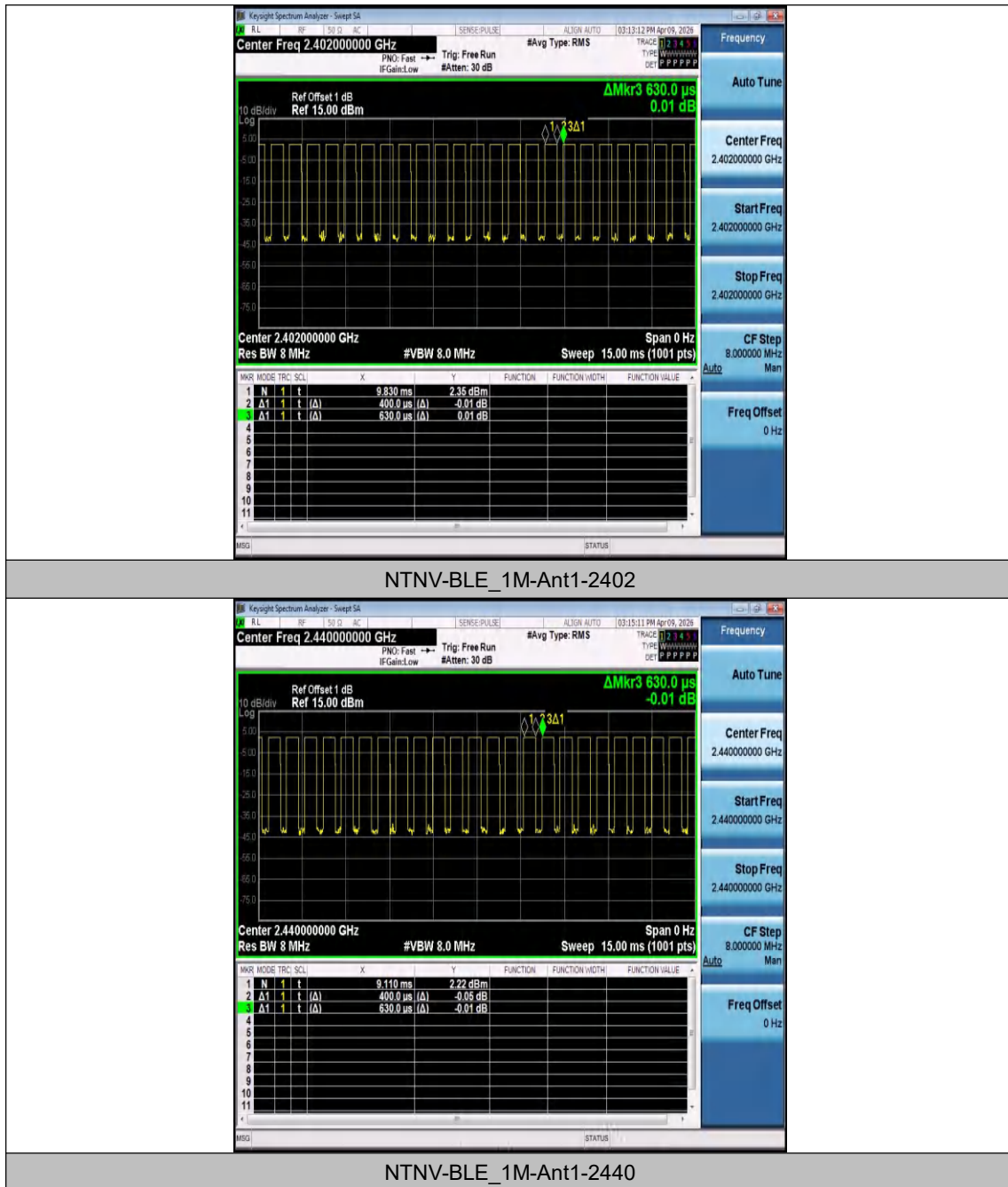
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2440	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2480	0.40	0.63	63.49	1.97
BLE_2M	Ant1	2402	0.21	0.61	34.43	4.63
BLE_2M	Ant1	2440	0.21	0.61	34.43	4.63
BLE_2M	Ant1	2480	0.21	0.61	34.43	4.63

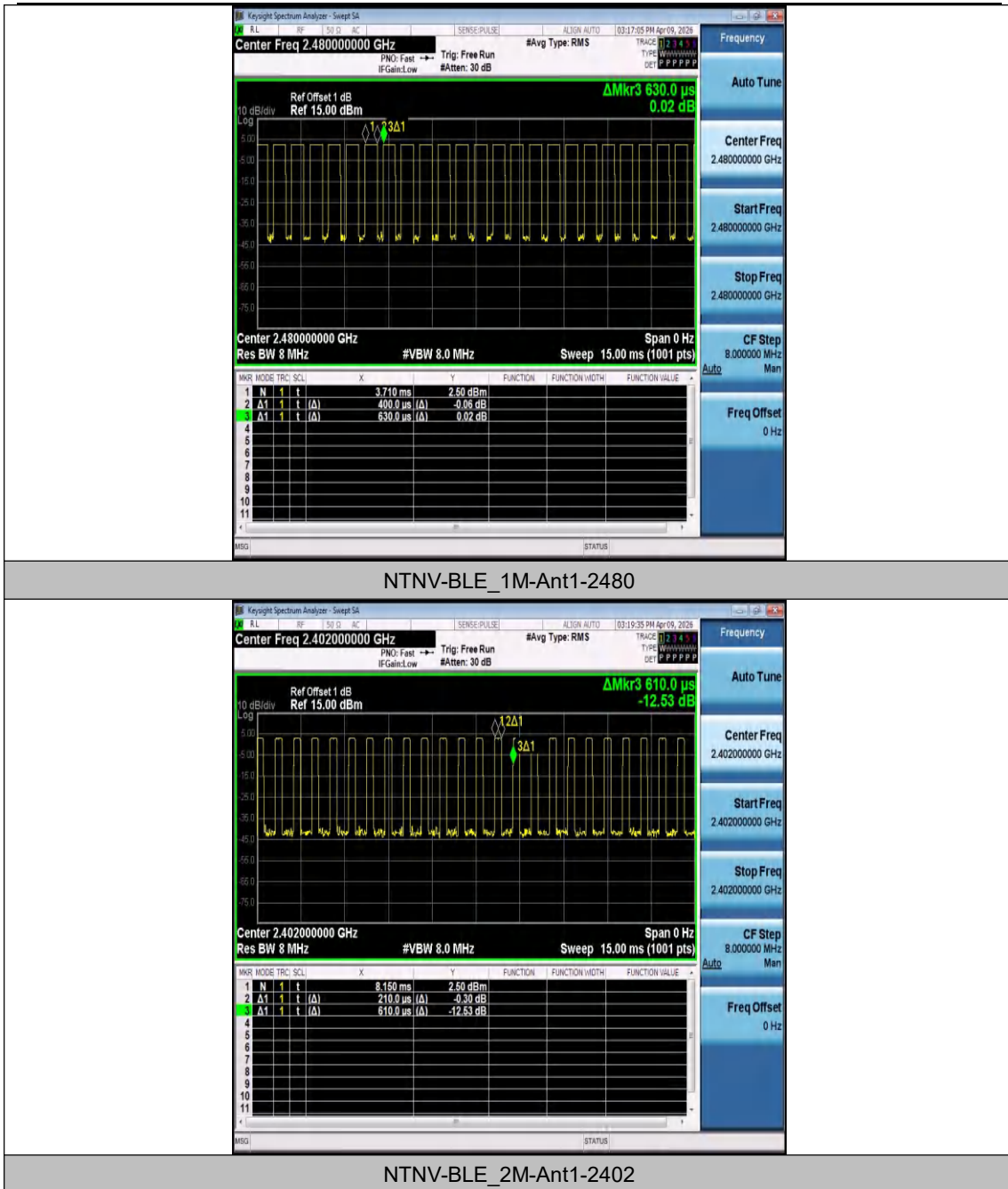
Test Graphs



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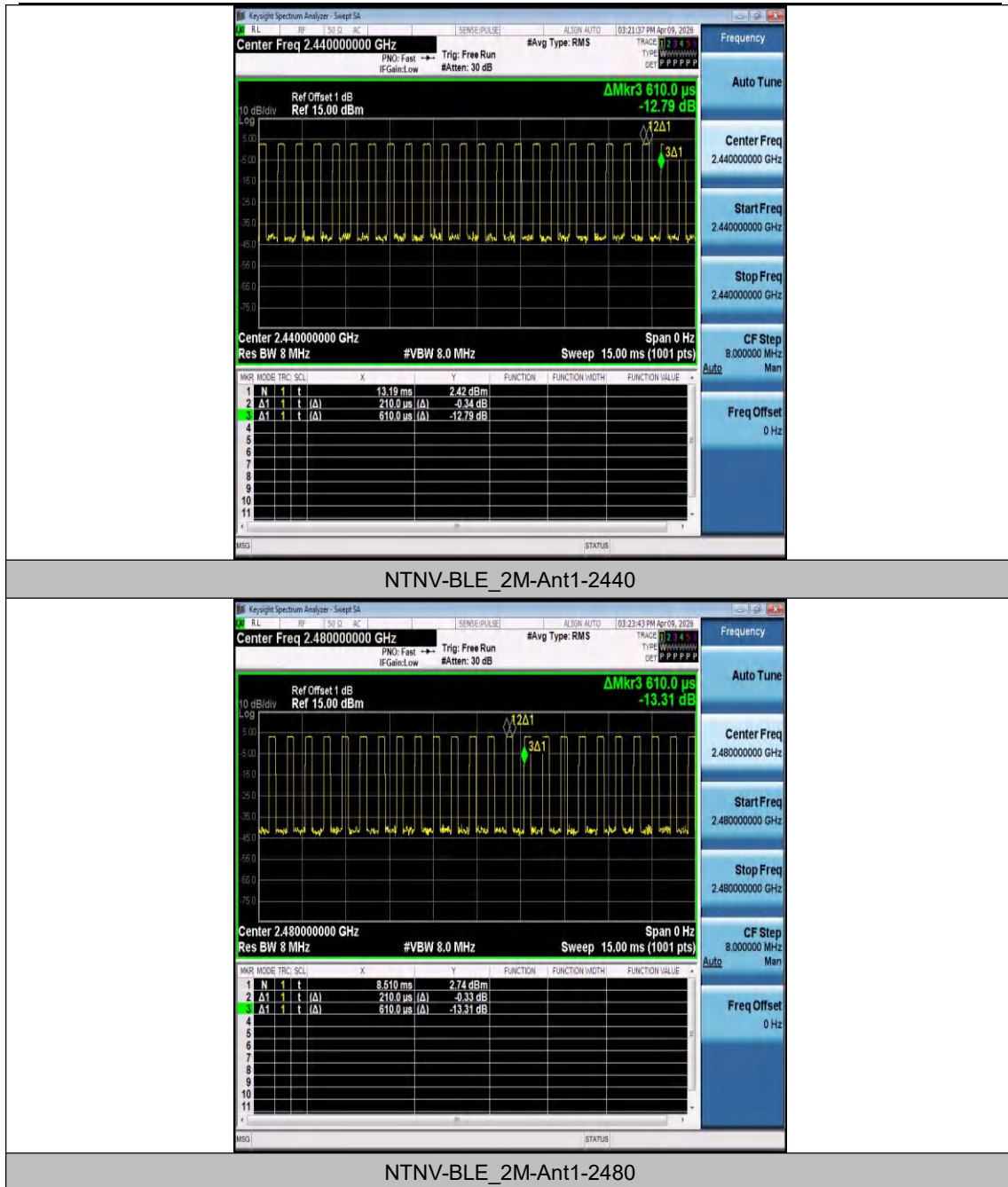
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