

Appendix Test Data

Report No.:	1812C60027212502-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-8	Finish Test Date:	2026-1-19
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	22.2°C	Relative Humidity:	56%
Pressure:	101kPa		

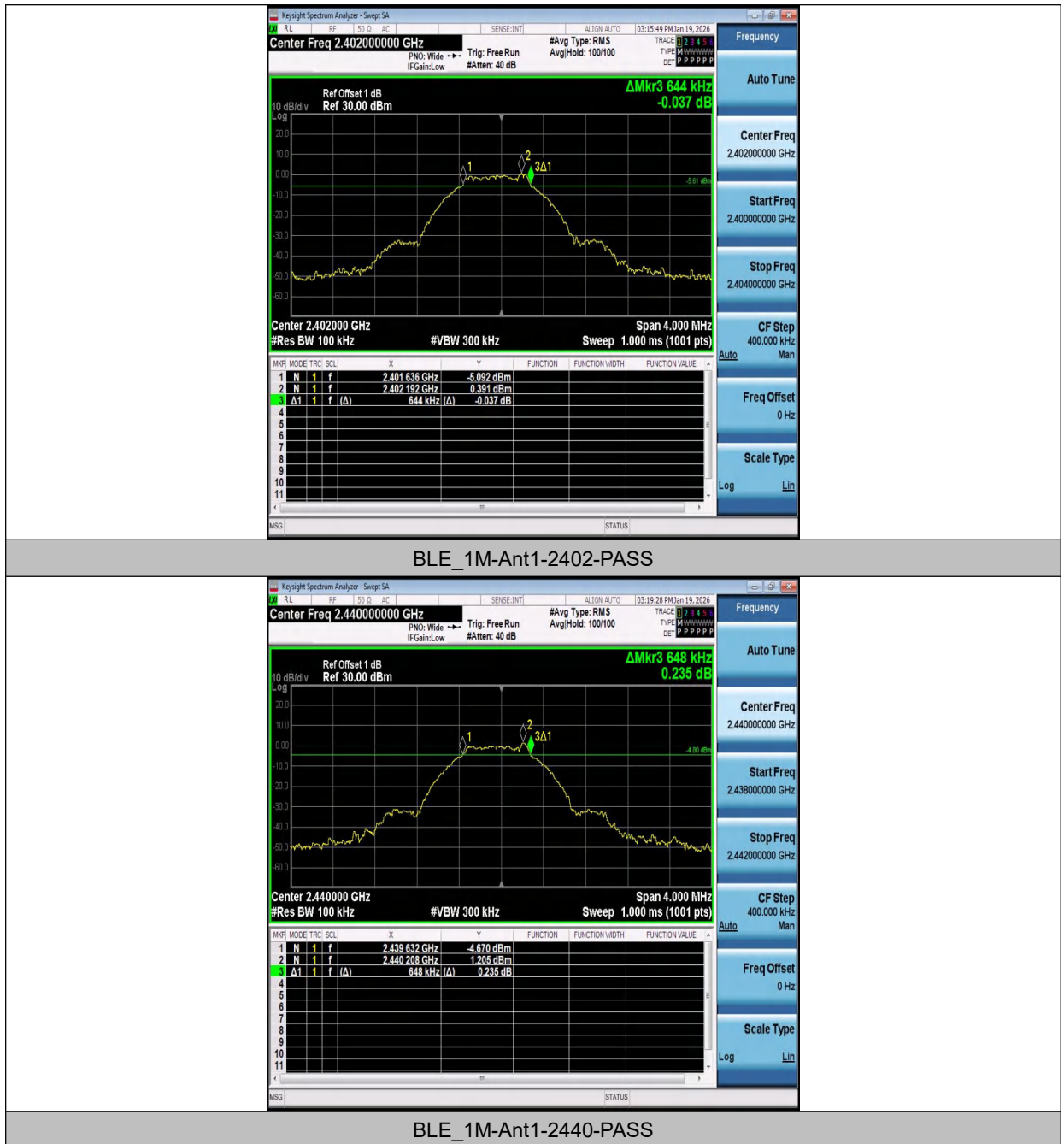


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.644	2401.636	2402.280	0.5	PASS
BLE_1M	Ant1	2440	0.648	2439.632	2440.280	0.5	PASS
BLE_1M	Ant1	2480	0.692	2479.604	2480.296	0.5	PASS
BLE_2M	Ant1	2402	1.372	2401.272	2402.644	0.5	PASS
BLE_2M	Ant1	2440	1.256	2439.296	2440.552	0.5	PASS
BLE_2M	Ant1	2480	1.132	2479.388	2480.520	0.5	PASS

Test Graphs



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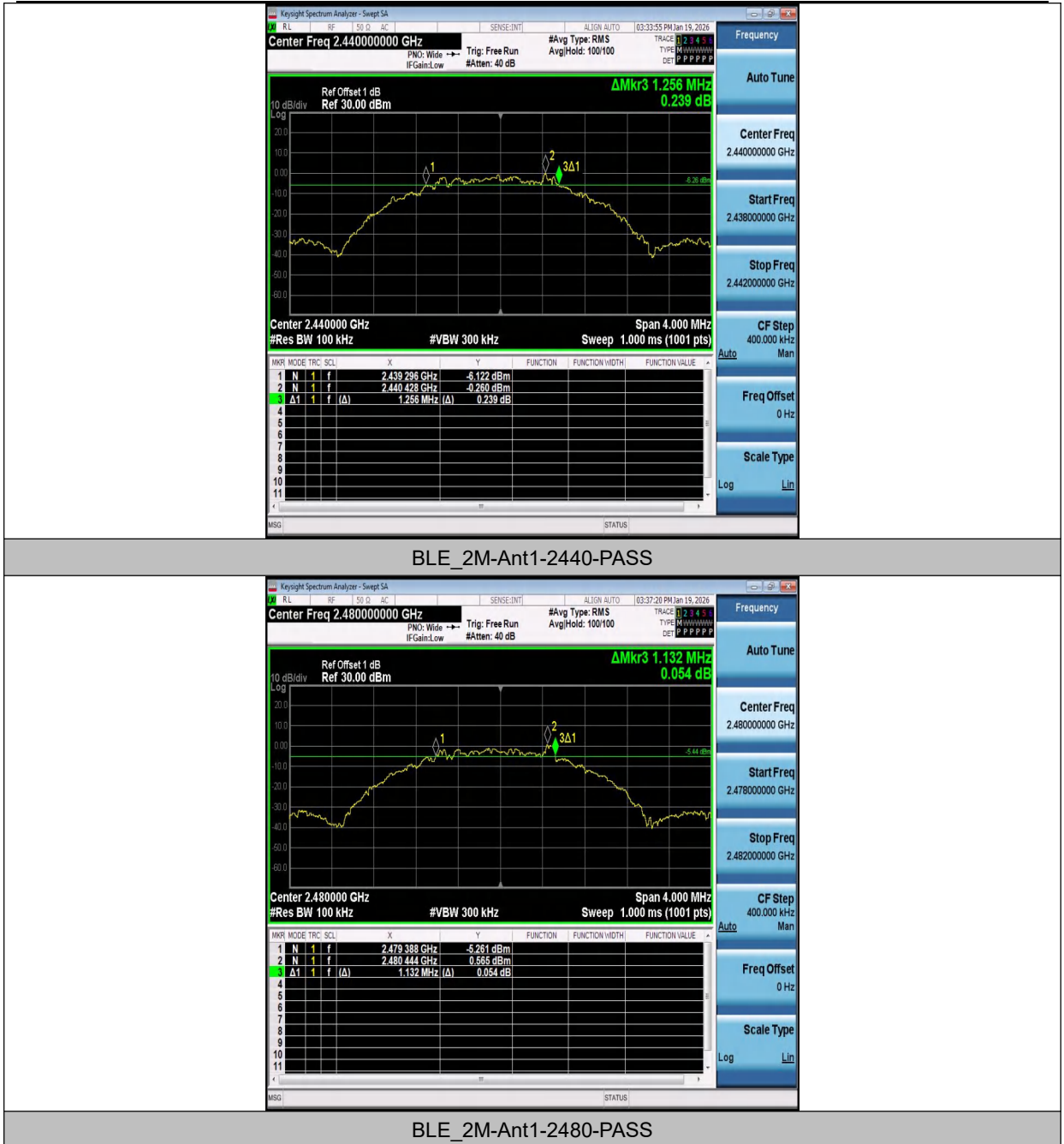
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0151	2401.4490	2402.4641	---	---
BLE_1M	Ant1	2440	1.0222	2439.4468	2440.4690	---	---
BLE_1M	Ant1	2480	1.0182	2479.4482	2480.4664	---	---
BLE_2M	Ant1	2402	2.0610	2400.9412	2403.0022	---	---
BLE_2M	Ant1	2440	2.0758	2438.9396	2441.0154	---	---
BLE_2M	Ant1	2480	2.0649	2478.9372	2481.0021	---	---

Test Graphs



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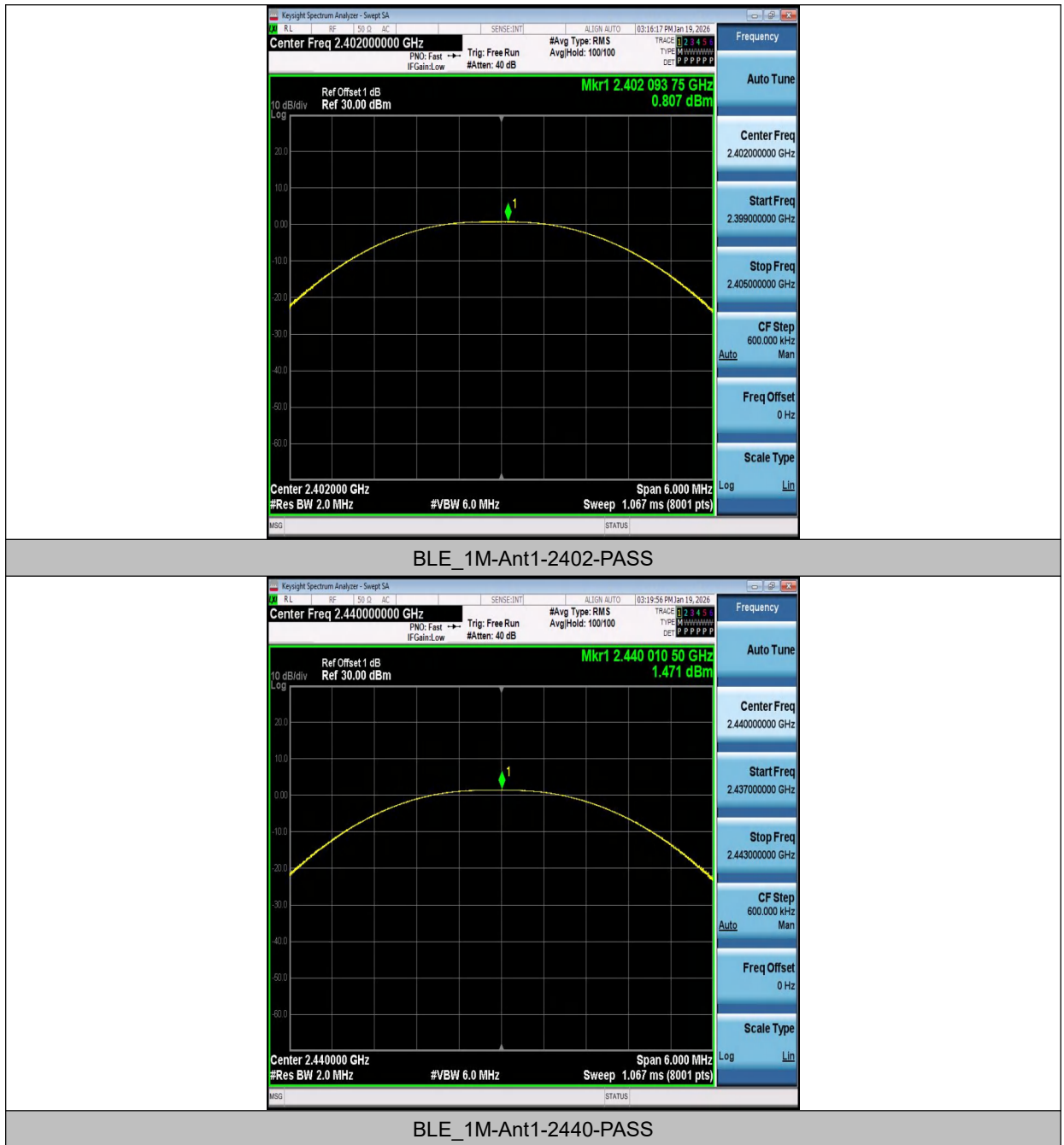
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.81	≤30	PASS
BLE_1M	Ant1	2440	1.47	≤30	PASS
BLE_1M	Ant1	2480	1.89	≤30	PASS
BLE_2M	Ant1	2402	0.76	≤30	PASS
BLE_2M	Ant1	2440	1.43	≤30	PASS
BLE_2M	Ant1	2480	1.79	≤30	PASS

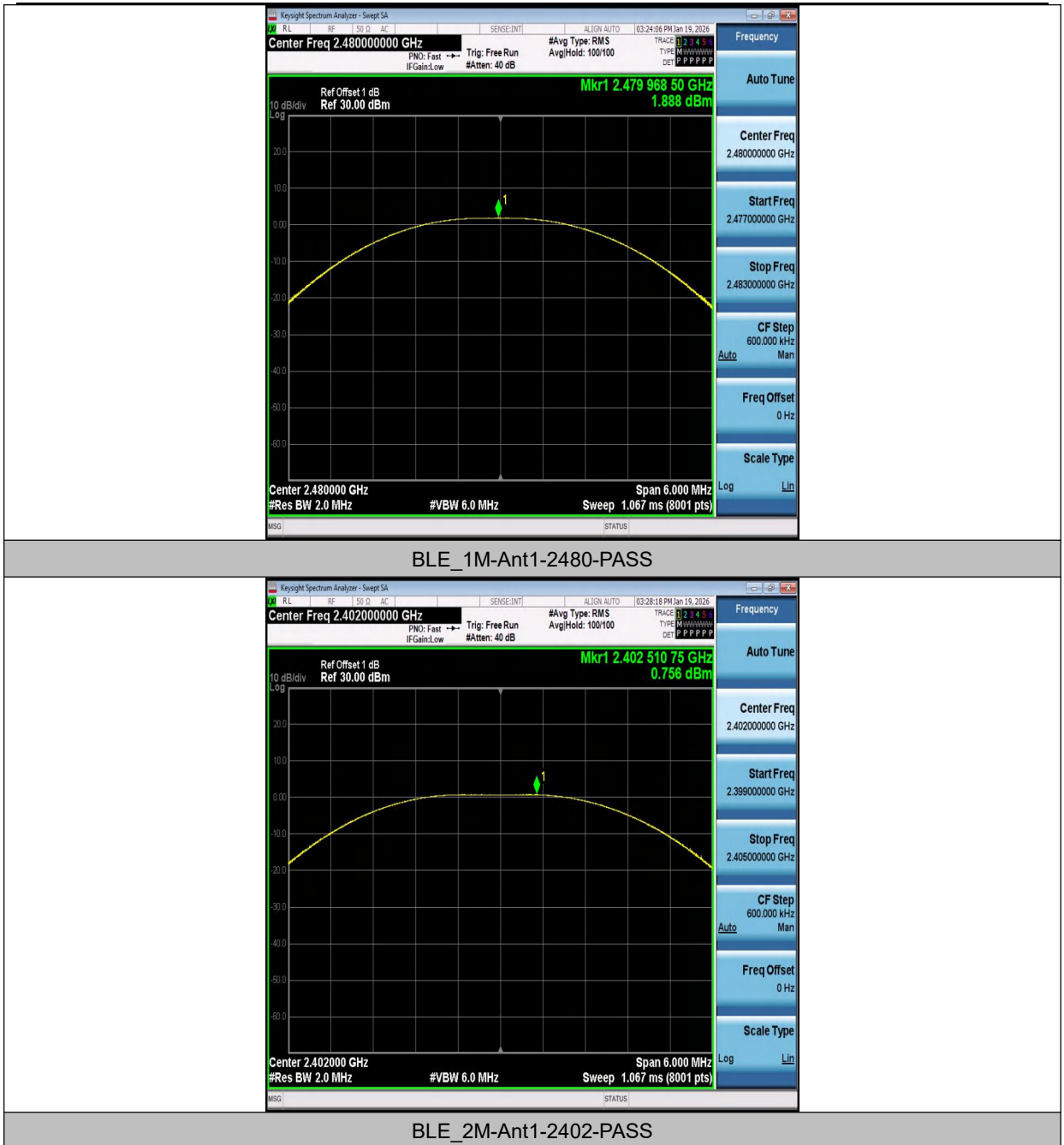
Test Graphs Peak



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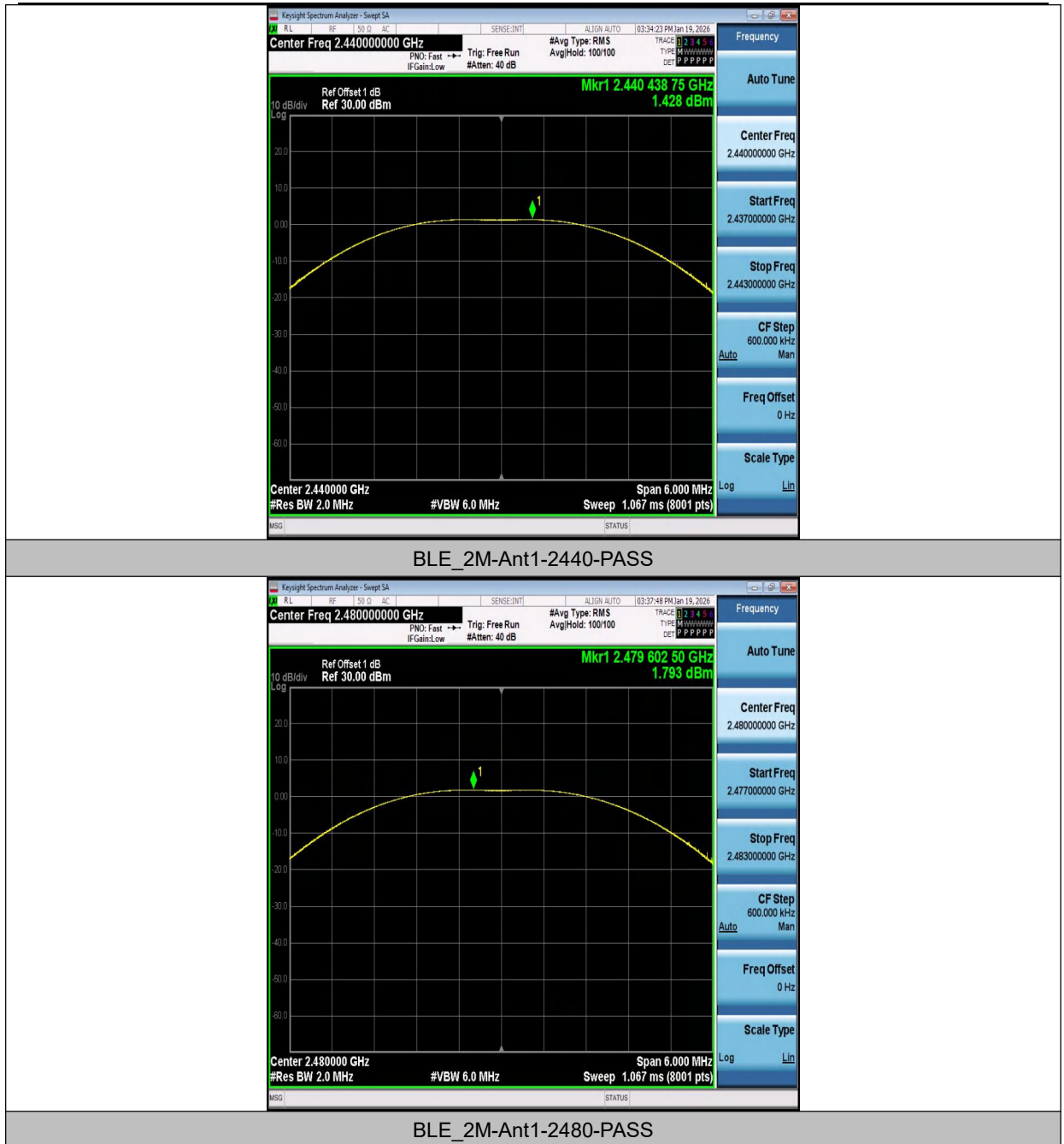
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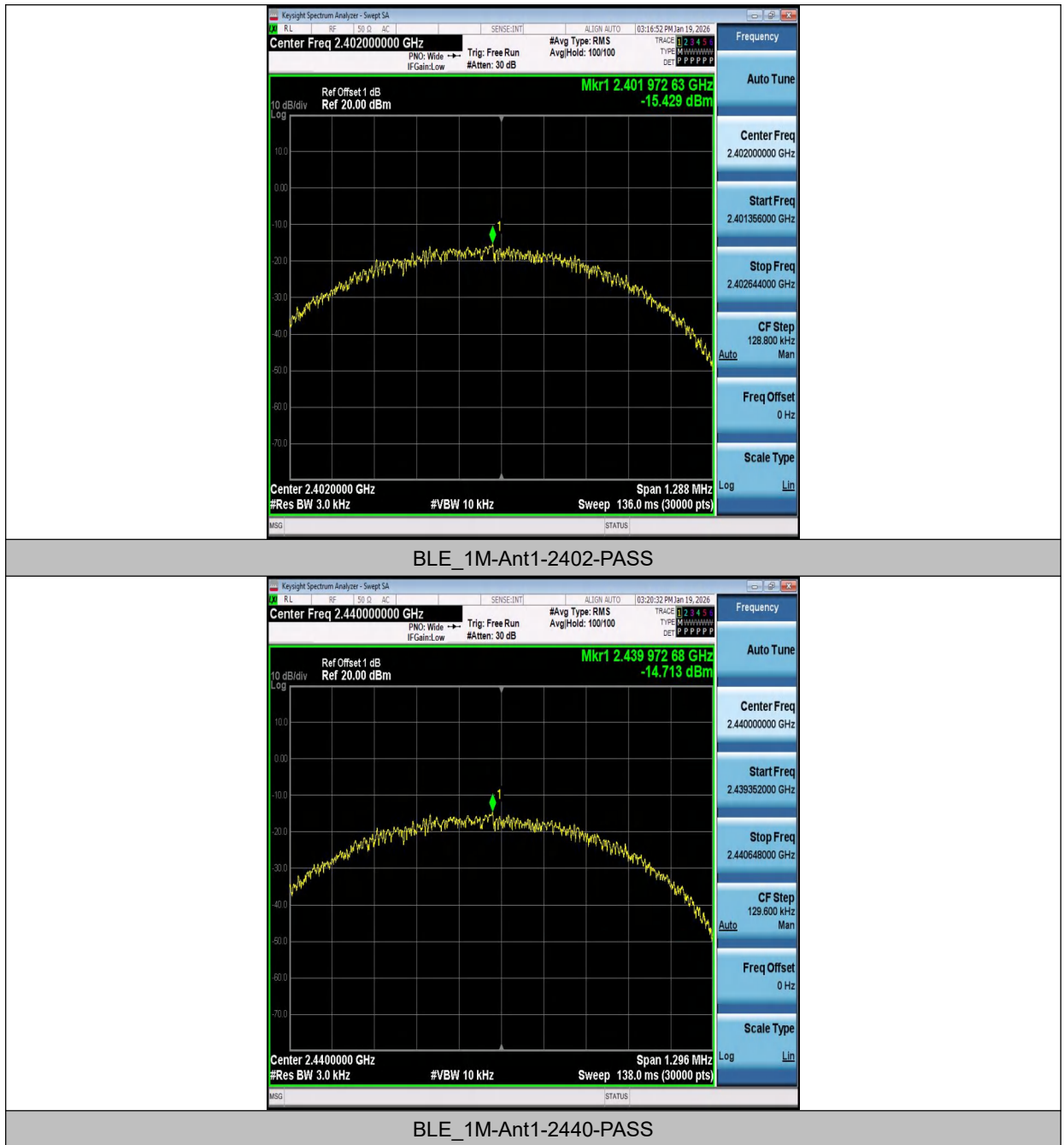
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.43	≤8.00	PASS
BLE_1M	Ant1	2440	-14.71	≤8.00	PASS
BLE_1M	Ant1	2480	-14.22	≤8.00	PASS
BLE_2M	Ant1	2402	-18.61	≤8.00	PASS
BLE_2M	Ant1	2440	-18.07	≤8.00	PASS
BLE_2M	Ant1	2480	-17.56	≤8.00	PASS

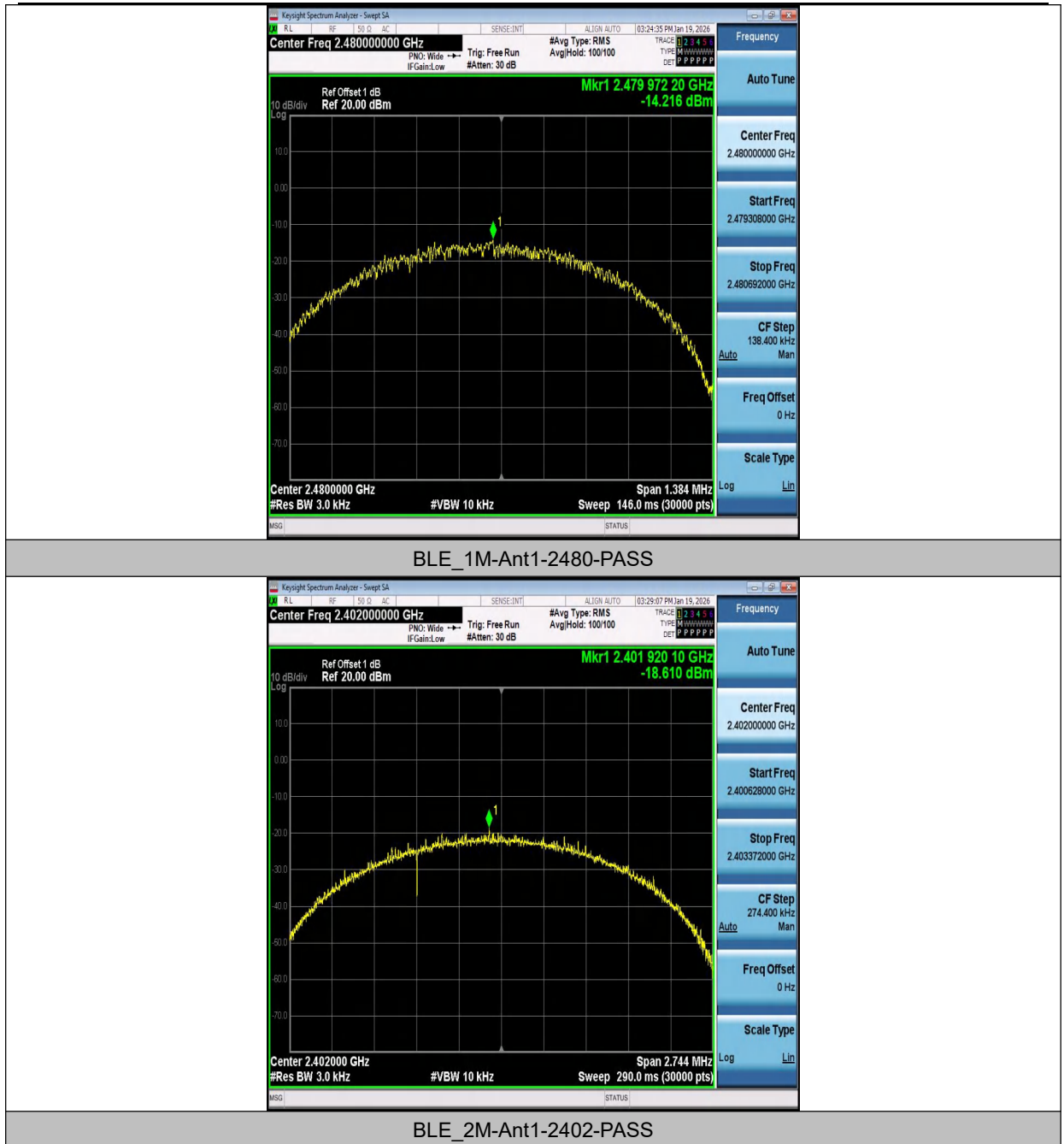
Test Graphs



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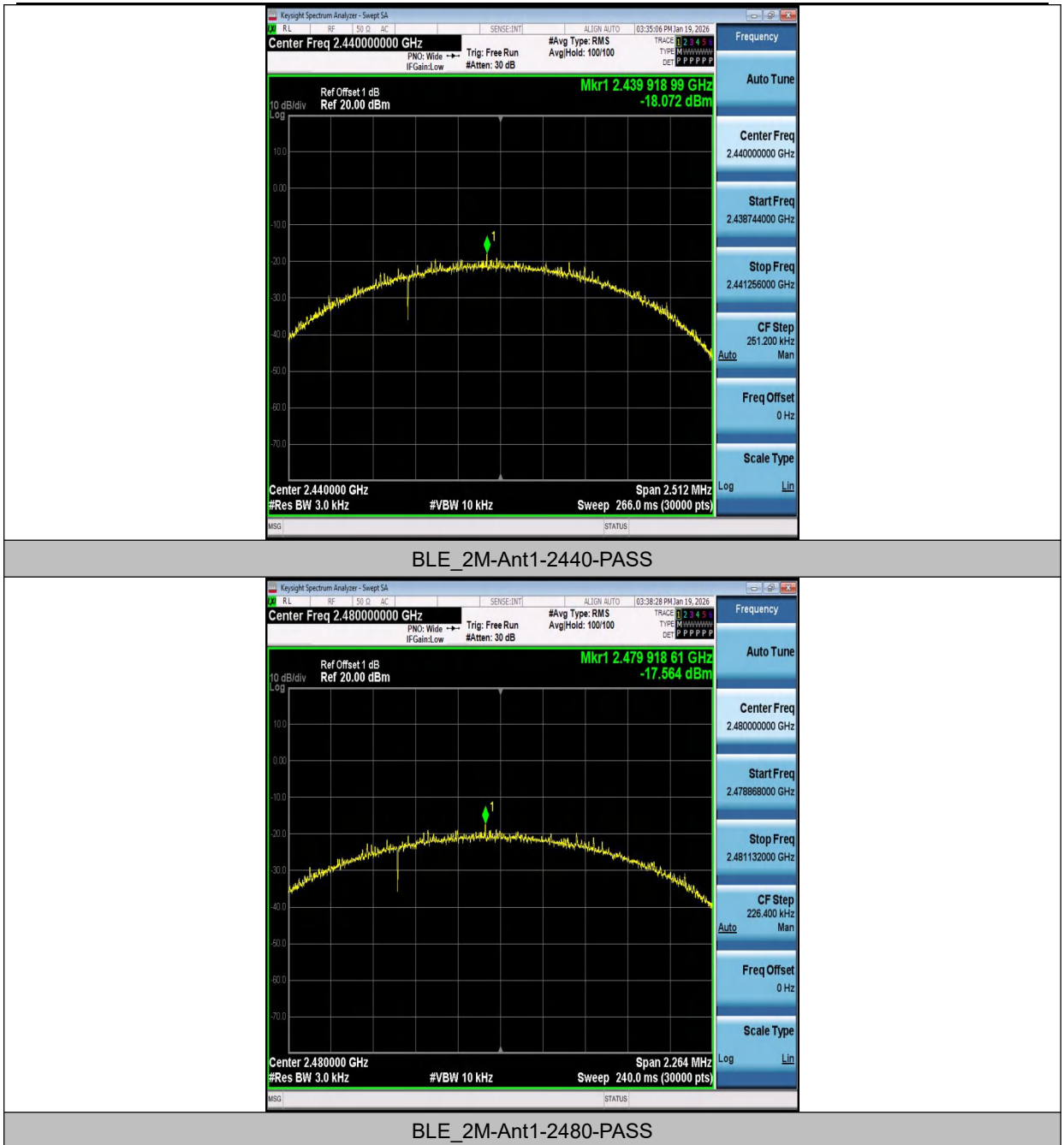
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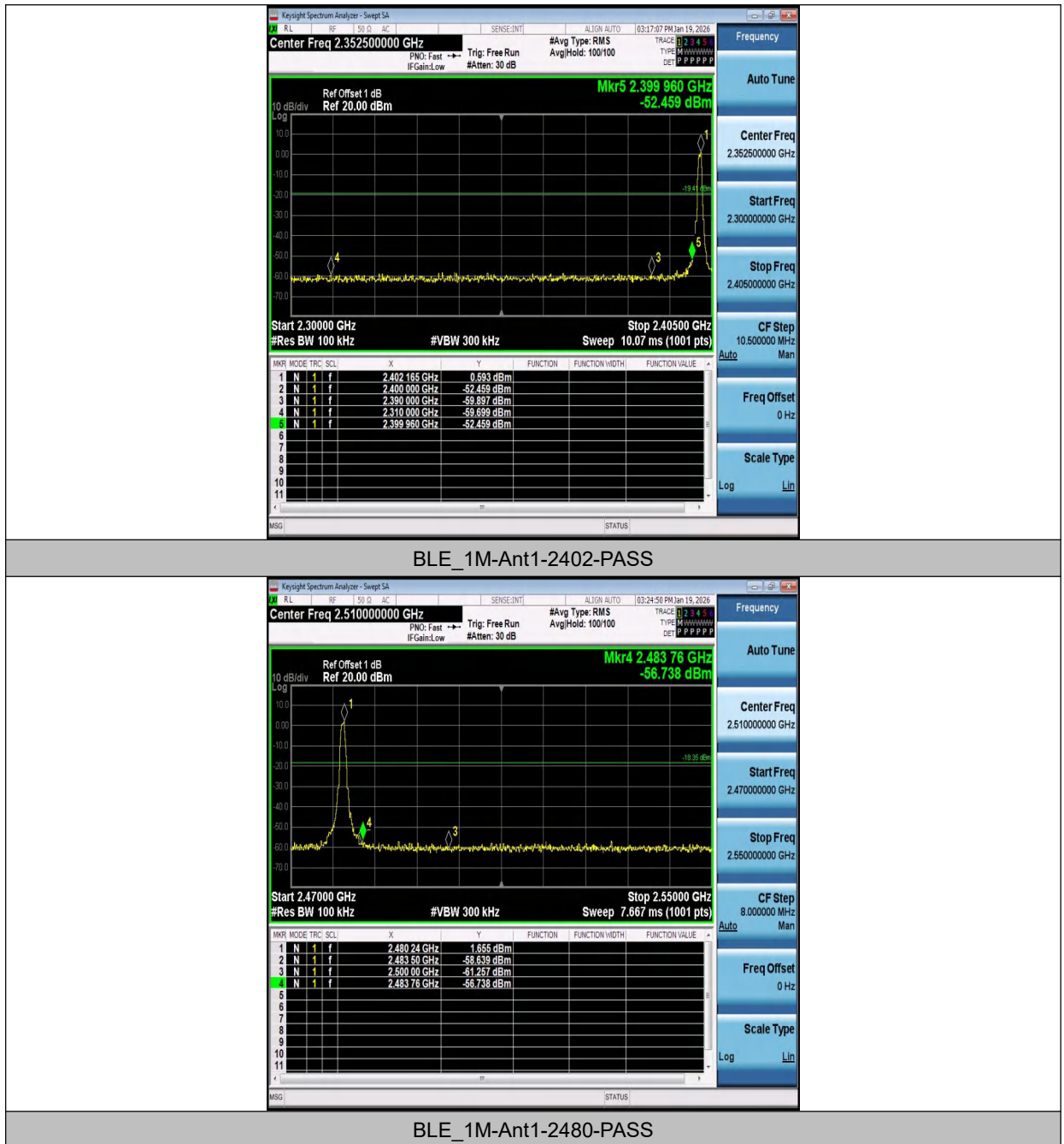
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.59	-52.46	≤-19.41	PASS
BLE_1M	Ant1	High	2480	1.66	-56.74	≤-18.35	PASS
BLE_2M	Ant1	Low	2402	-1.60	-34.56	≤-21.6	PASS
BLE_2M	Ant1	High	2480	-1.12	-56.38	≤-21.12	PASS

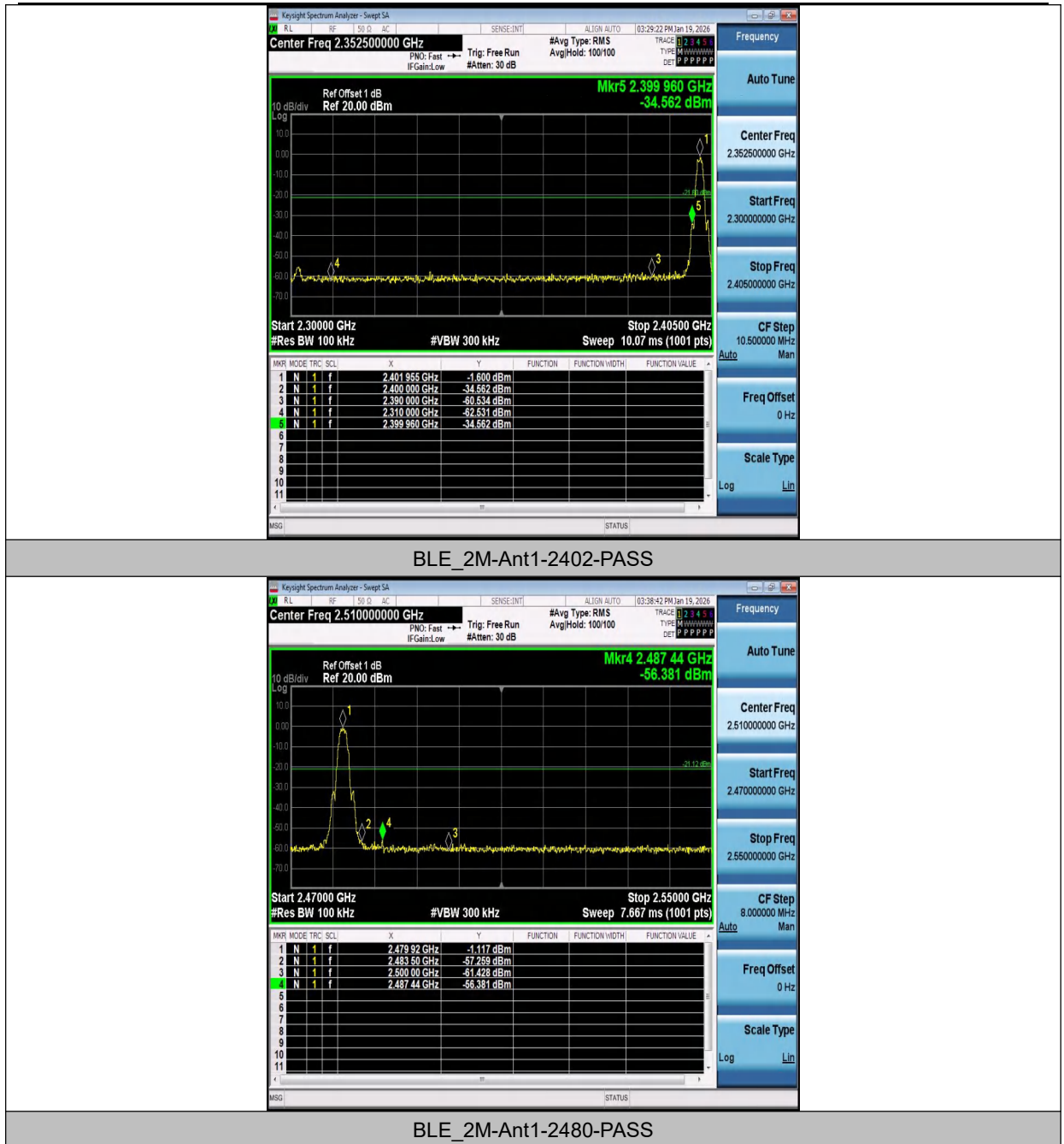
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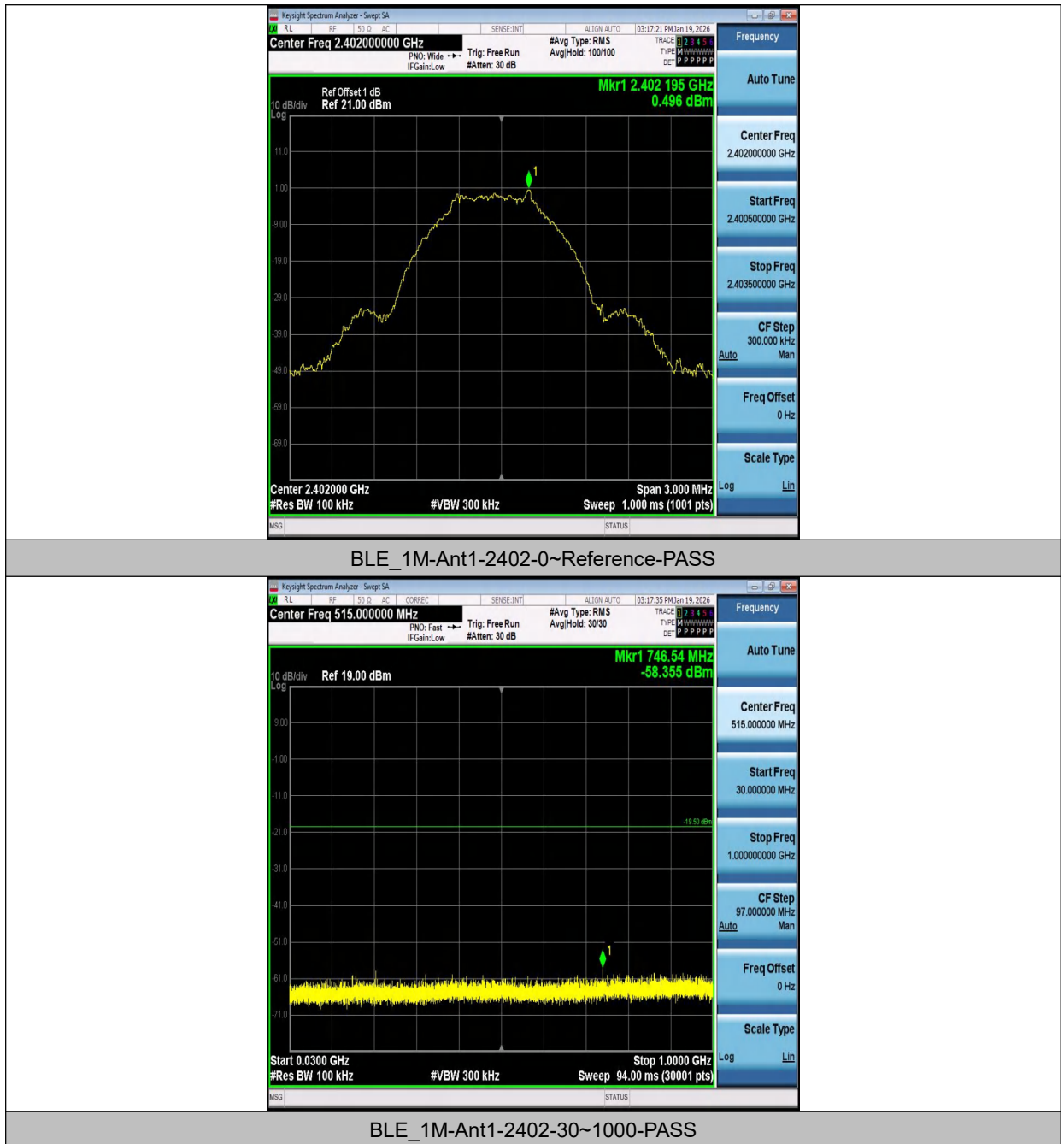
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.50	0.50	---	PASS
BLE_1M	Ant1	2402	30~1000	0.50	-58.36	≤-19.5	PASS
BLE_1M	Ant1	2402	1000~26500	0.50	-48.88	≤-19.5	PASS
BLE_1M	Ant1	2440	0~Reference	1.22	1.22	---	PASS
BLE_1M	Ant1	2440	30~1000	1.22	-59	≤-18.78	PASS
BLE_1M	Ant1	2440	1000~26500	1.22	-48.85	≤-18.78	PASS
BLE_1M	Ant1	2480	0~Reference	1.43	1.43	---	PASS
BLE_1M	Ant1	2480	30~1000	1.43	-58.86	≤-18.57	PASS
BLE_1M	Ant1	2480	1000~26500	1.43	-47.6	≤-18.57	PASS
BLE_2M	Ant1	2402	0~Reference	-0.79	-0.79	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.79	-58.34	≤-20.79	PASS
BLE_2M	Ant1	2402	1000~26500	-0.79	-43.13	≤-20.79	PASS
BLE_2M	Ant1	2440	0~Reference	0.09	0.09	---	PASS
BLE_2M	Ant1	2440	30~1000	0.09	-59.39	≤-19.91	PASS
BLE_2M	Ant1	2440	1000~26500	0.09	-48.48	≤-19.91	PASS
BLE_2M	Ant1	2480	0~Reference	0.52	0.52	---	PASS
BLE_2M	Ant1	2480	30~1000	0.52	-58.25	≤-19.48	PASS
BLE_2M	Ant1	2480	1000~26500	0.52	-48.17	≤-19.48	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.

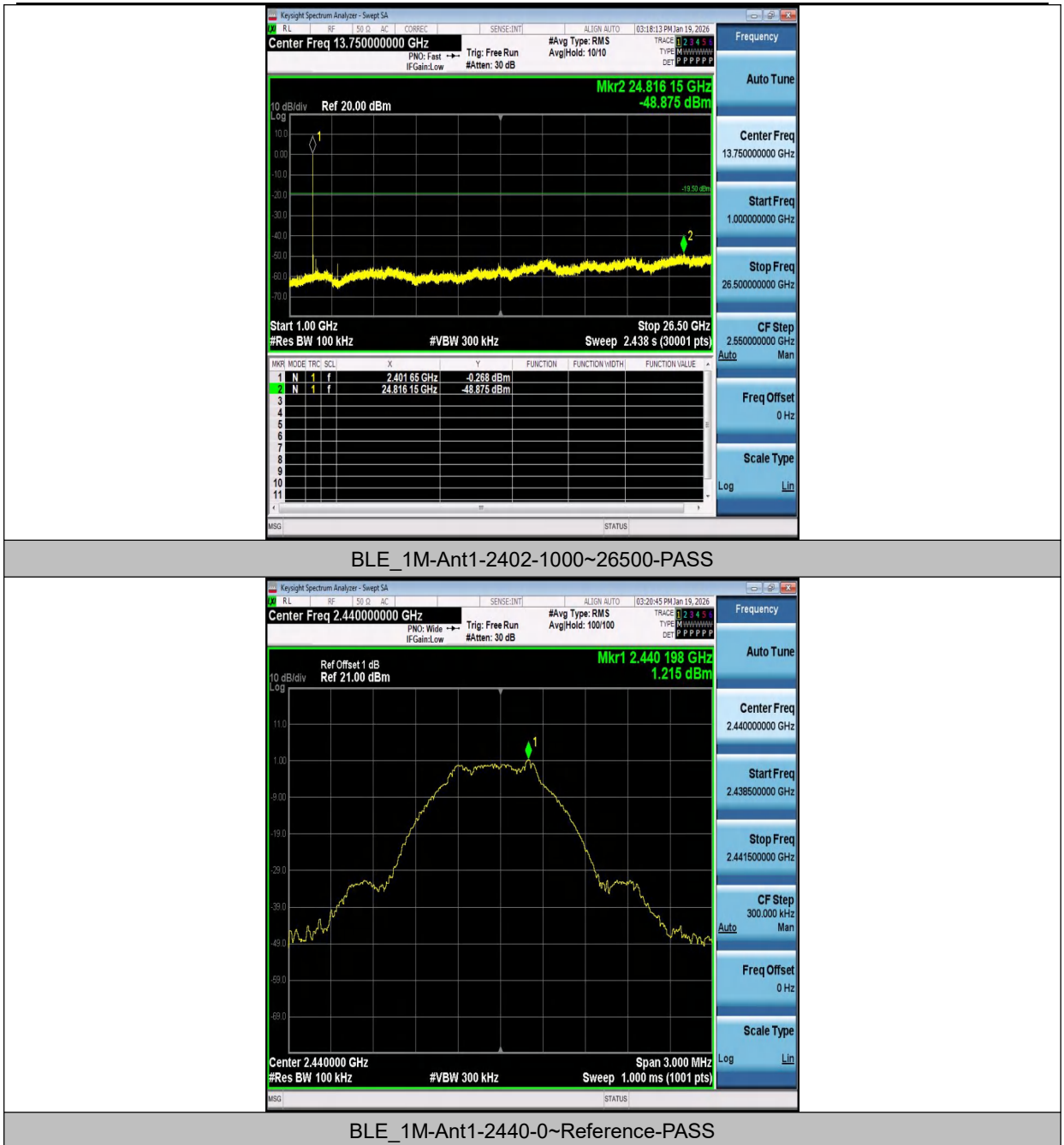
Test Graphs



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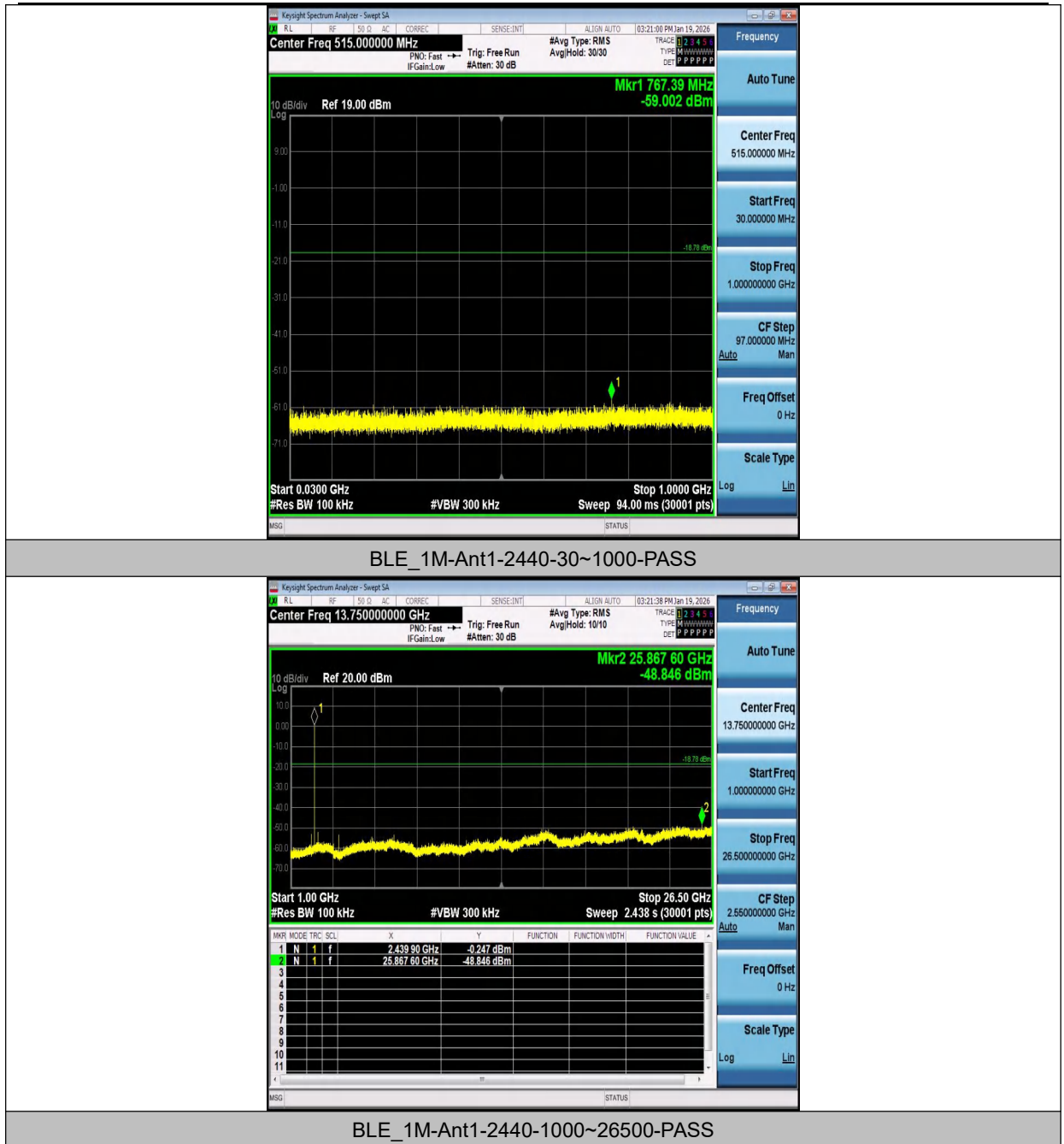
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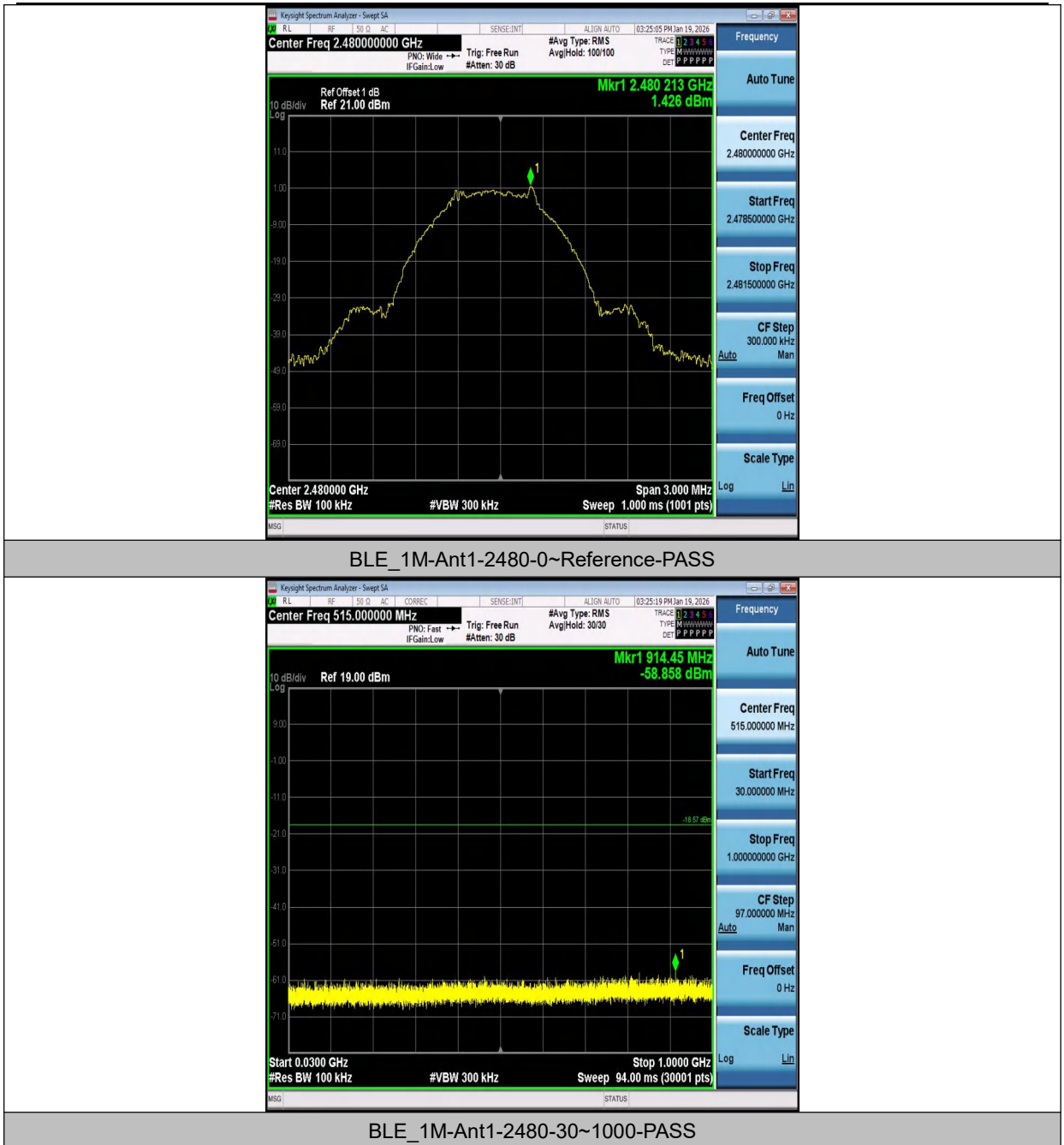
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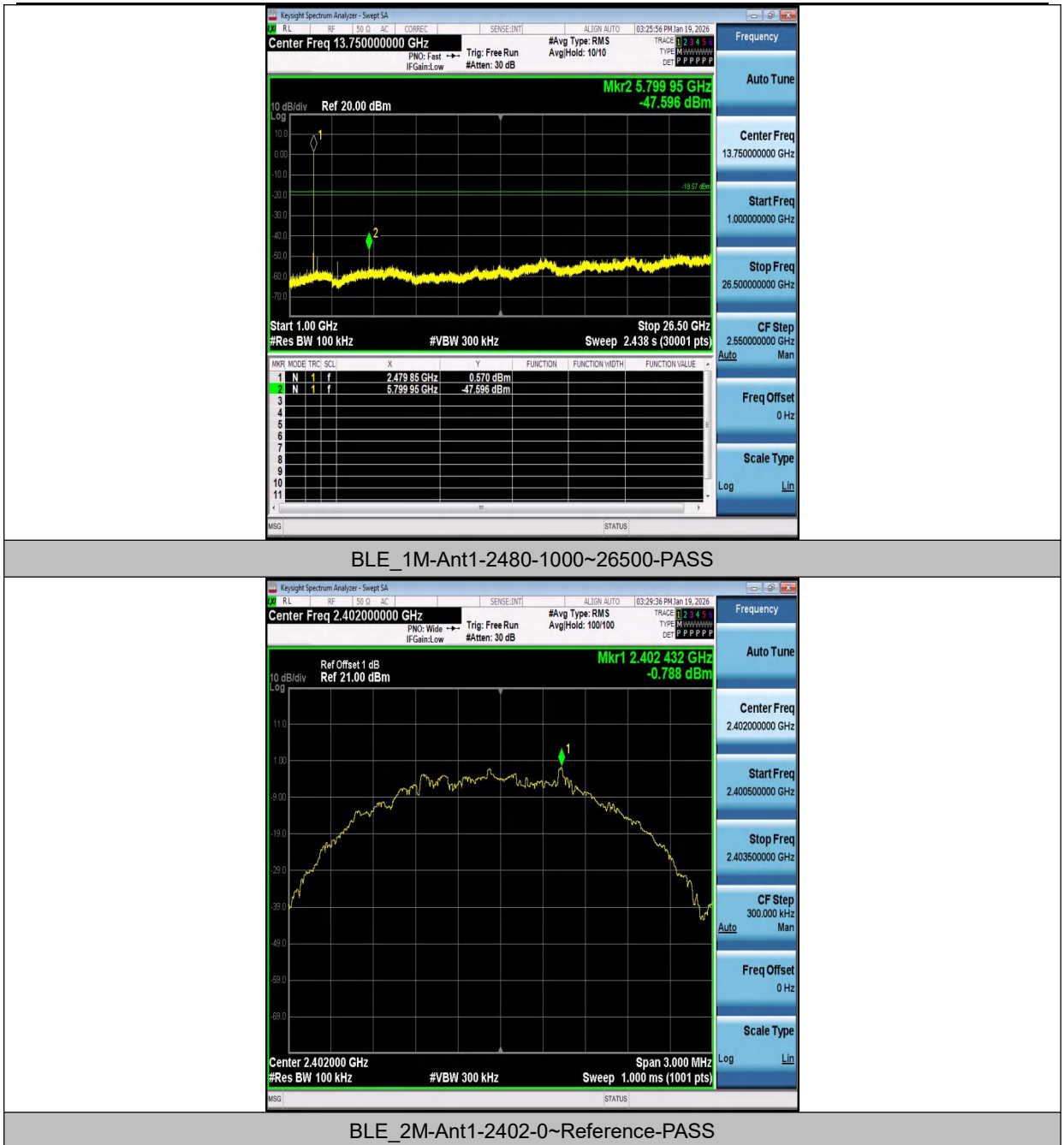
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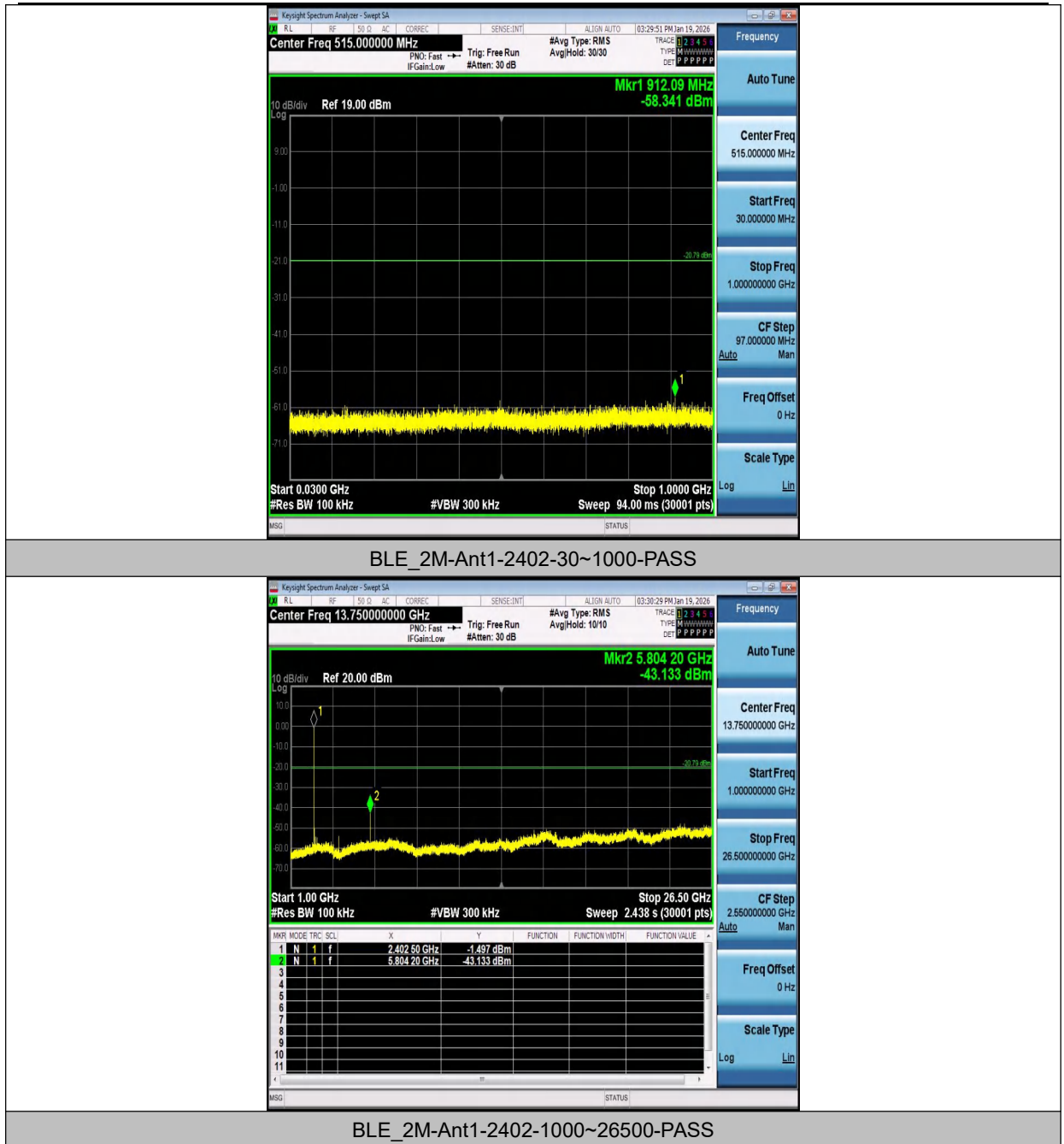
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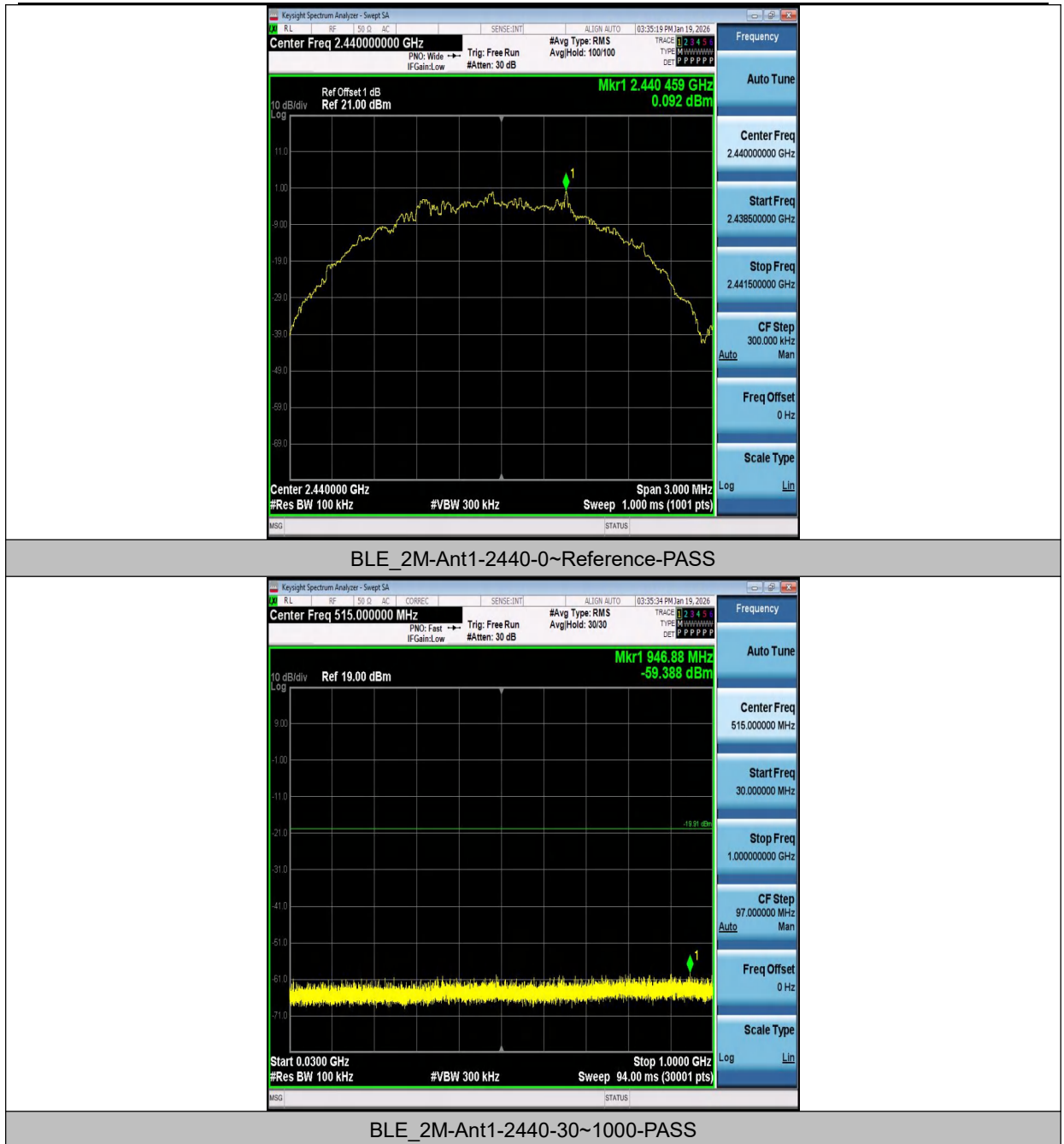
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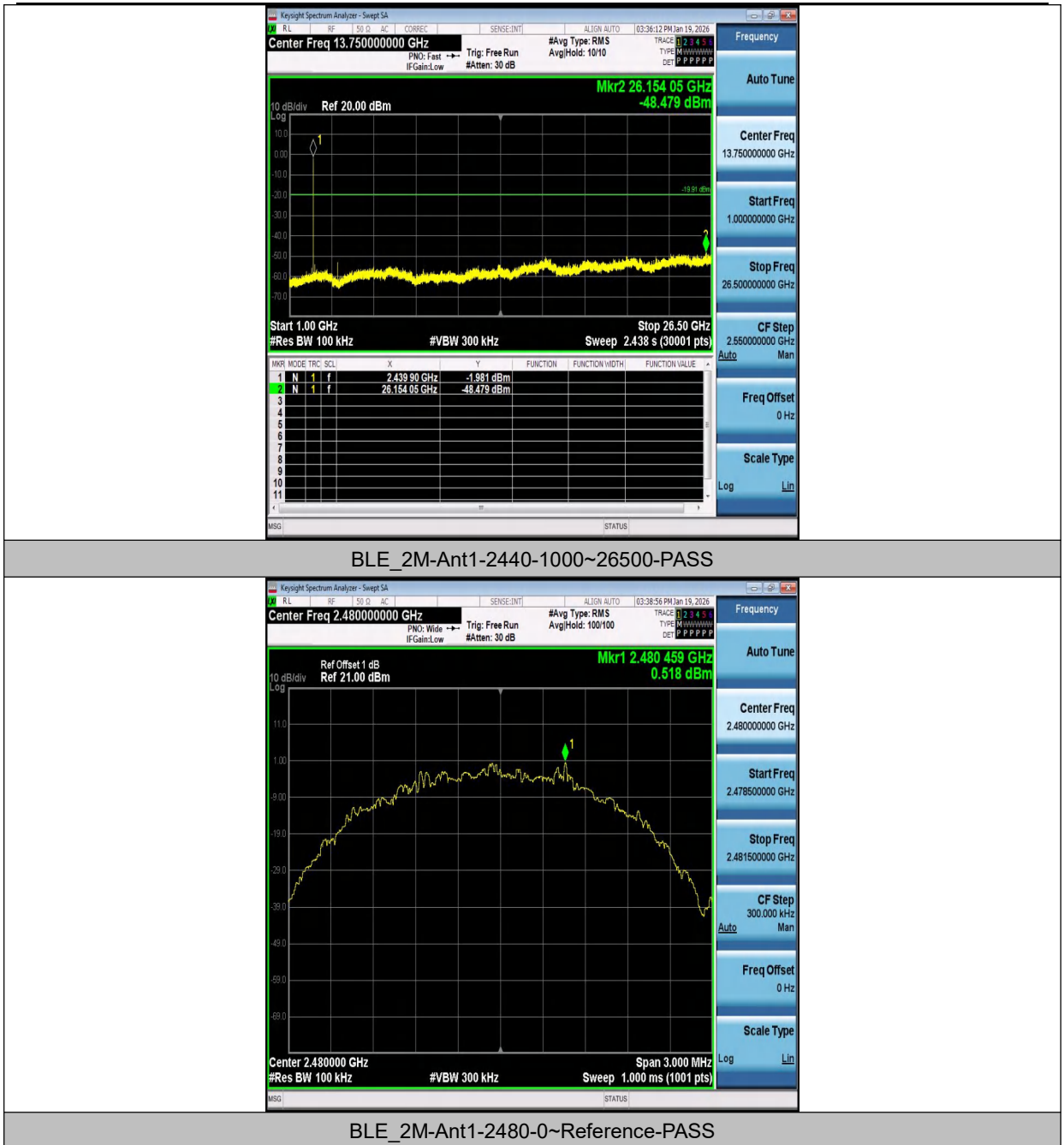
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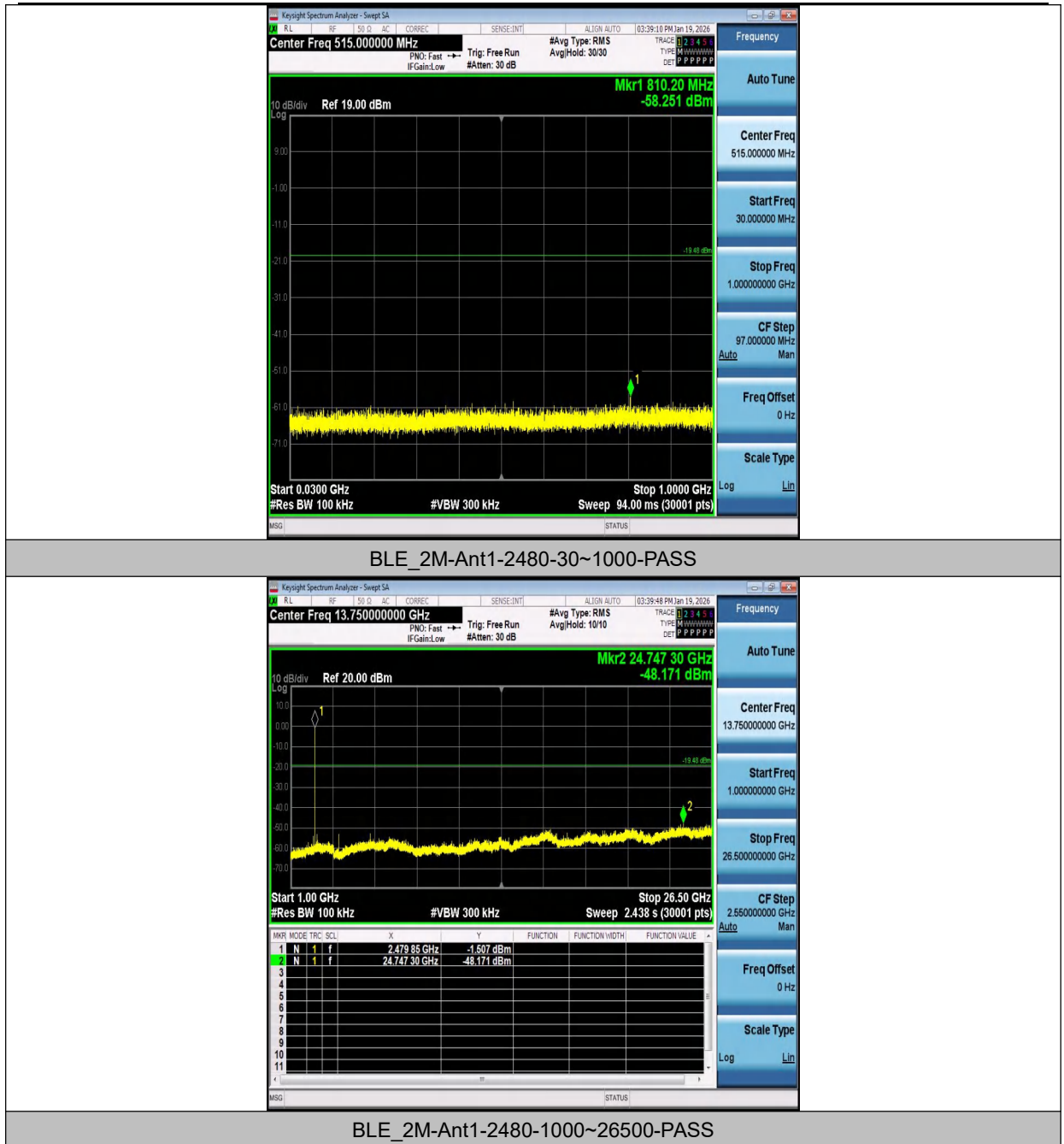
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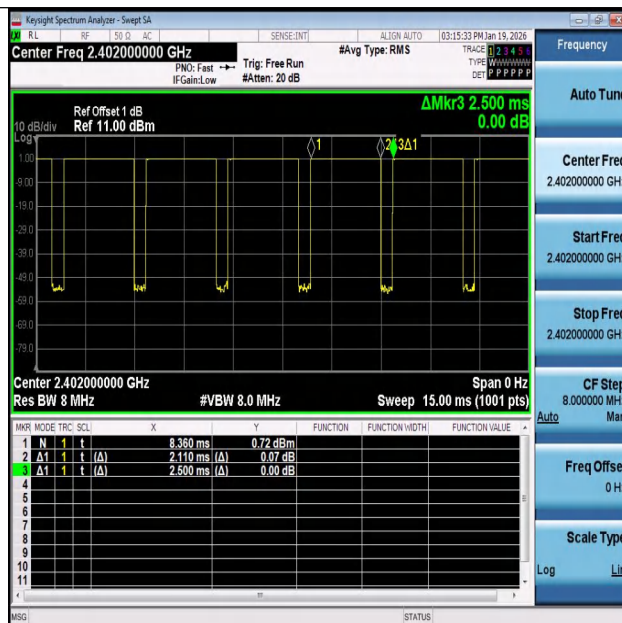
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Appendix G: Duty Cycle

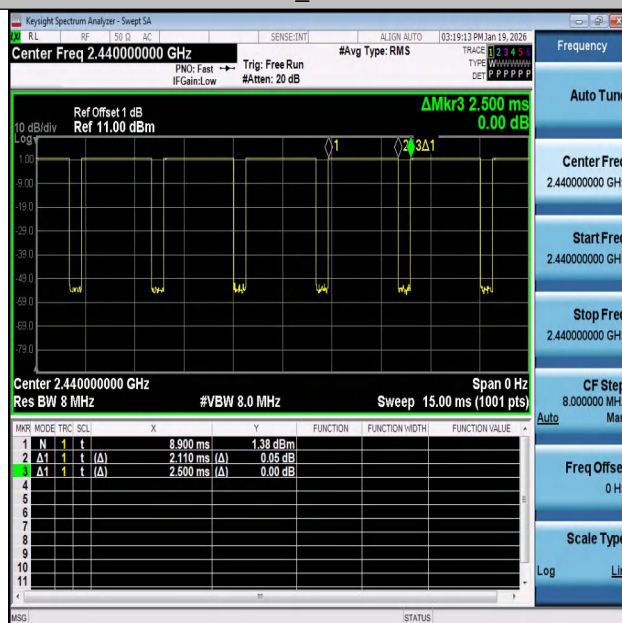
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.11	2.50	84.40	0.74
BLE_1M	Ant1	2440	2.11	2.50	84.40	0.74
BLE_1M	Ant1	2480	2.12	2.51	84.46	0.73
BLE_2M	Ant1	2402	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2440	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2480	1.07	1.88	56.91	2.45

Test Graphs



NTNV-BLE 1M-Ant1-2402



NTNV-BLE 1M-Ant1-2440

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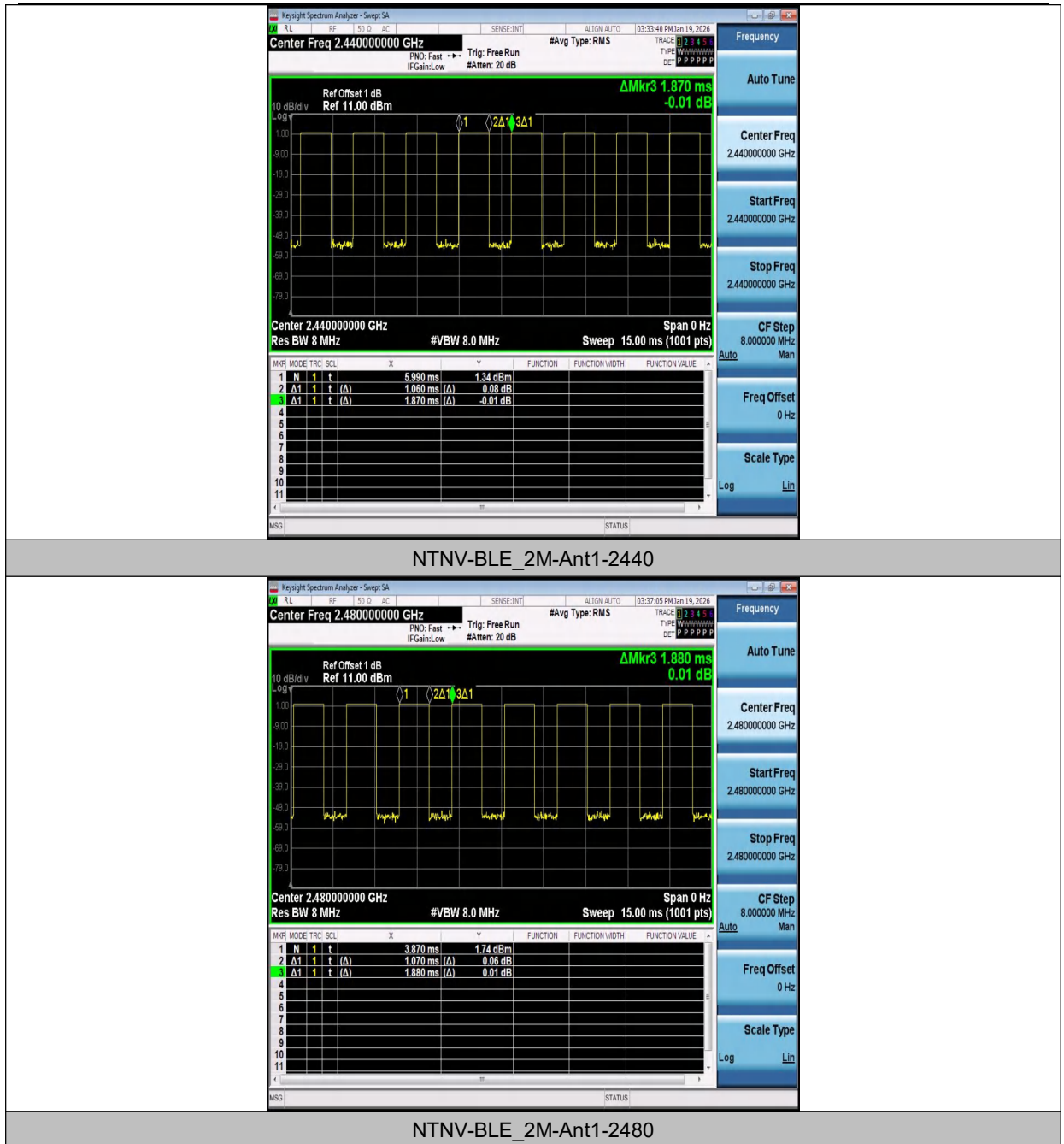
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