

Appendix Test Data

Report No.:	1819C50033612502	Test Sample No.:	1-2-2
Start Test Date:	2025.04.14	Finish Test Date:	2025.04.14
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.4°C	Relative Humidity:	47%
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	0.728	2401.640	2402.368	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.676	2440.344	0.5	PASS
BLE_1M	Ant1	2480	0.676	2479.676	2480.352	0.5	PASS
BLE_2M	Ant1	2402	1.336	2401.328	2402.664	0.5	PASS
BLE_2M	Ant1	2440	1.360	2439.352	2440.712	0.5	PASS
BLE_2M	Ant1	2480	1.480	2479.268	2480.748	0.5	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS

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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	1.0305	2401.4890	2402.5195	---	---
BLE_1M	Ant1	2440	1.0378	2439.4831	2440.5209	---	---
BLE_1M	Ant1	2480	1.0493	2479.4837	2480.5330	---	---
BLE_2M	Ant1	2402	2.0631	2400.9619	2403.0250	---	---
BLE_2M	Ant1	2440	2.0454	2438.9813	2441.0267	---	---
BLE_2M	Ant1	2480	2.0717	2478.9720	2481.0437	---	---

Test Graphs



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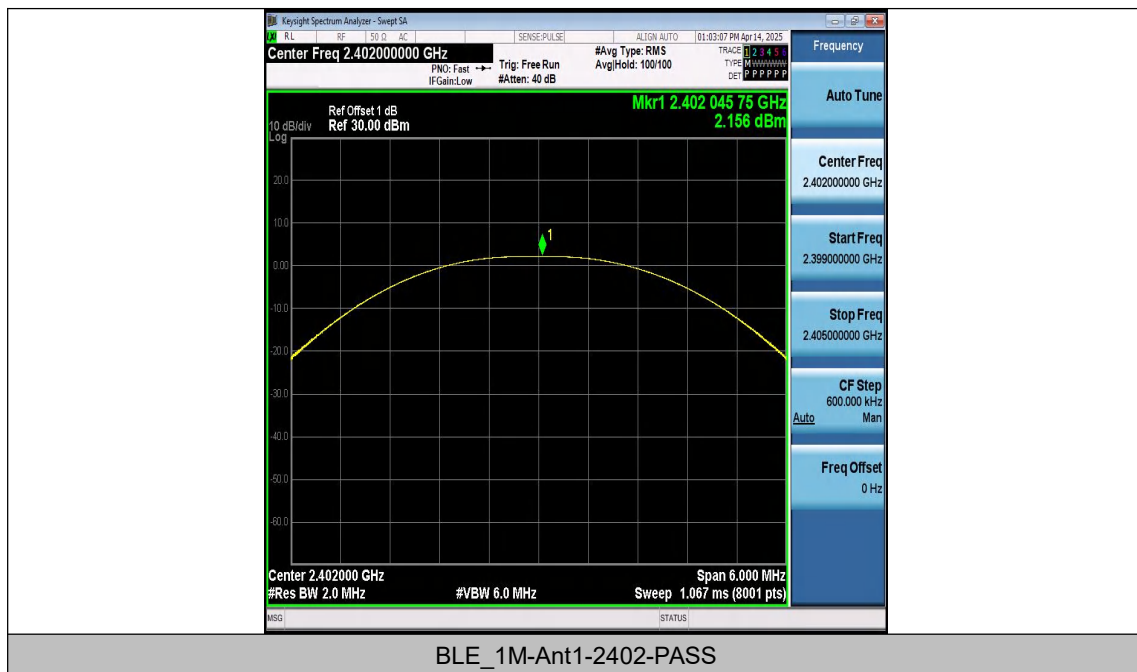
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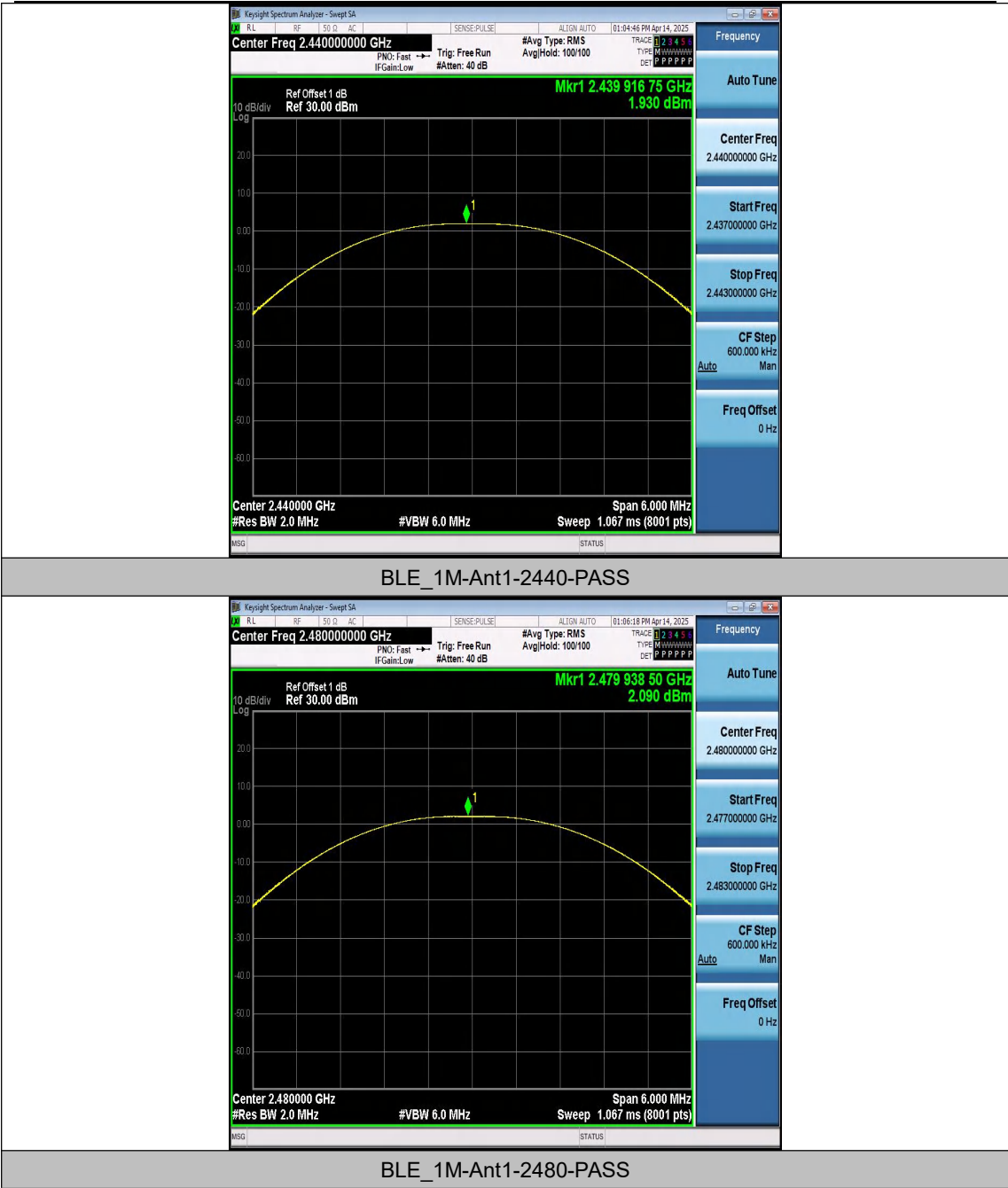
Appendix C: Maximum conducted output power

Test Result Peak-Left Earphone

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.16	≤30	PASS
BLE_1M	Ant1	2440	1.93	≤30	PASS
BLE_1M	Ant1	2480	2.09	≤30	PASS
BLE_2M	Ant1	2402	2.18	≤30	PASS
BLE_2M	Ant1	2440	1.96	≤30	PASS
BLE_2M	Ant1	2480	2.10	≤30	PASS

Test Graphs Peak-Left Earphone

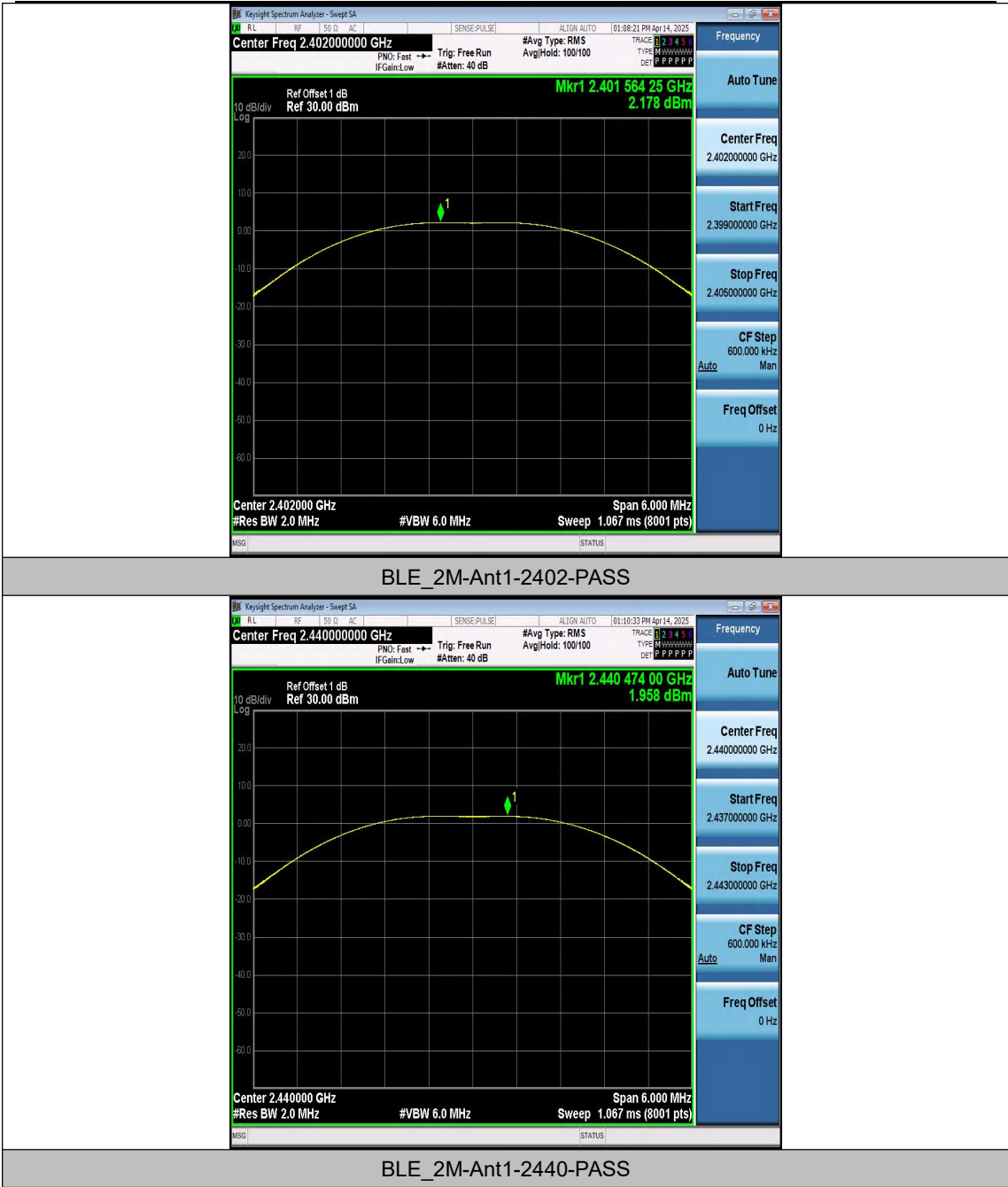




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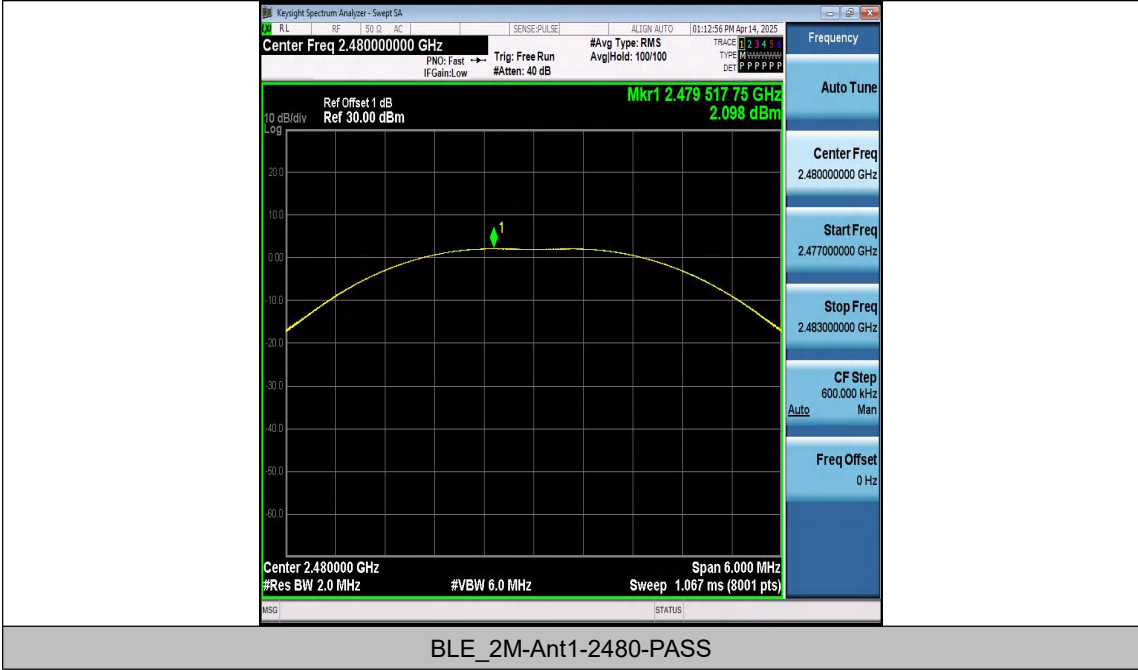
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Test Result Peak-Right Earphone

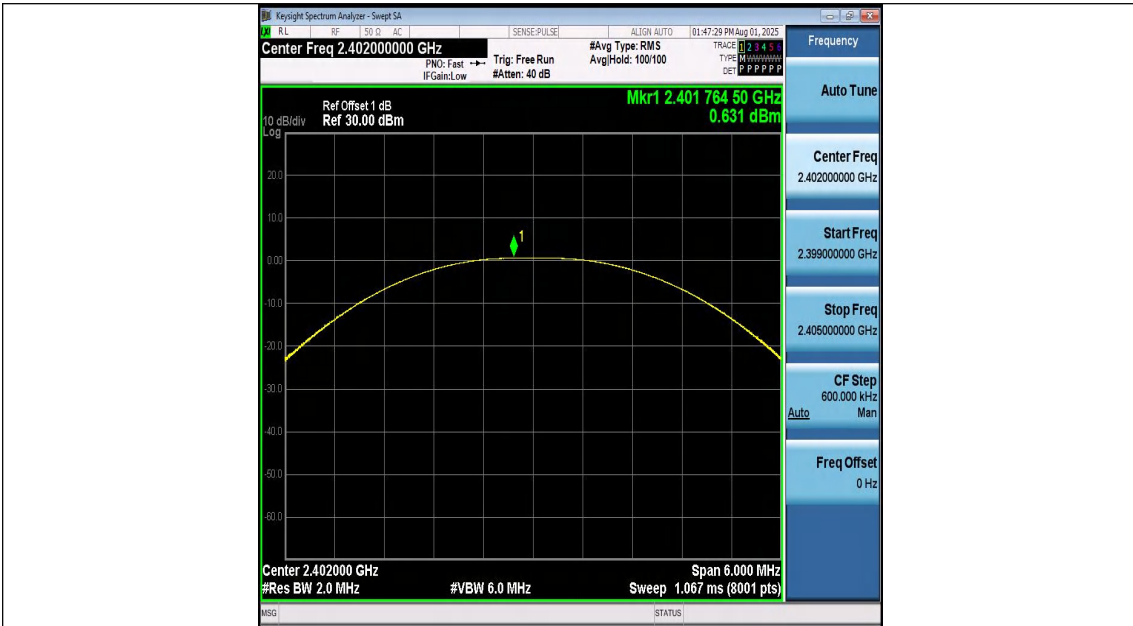
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.63	≤30	PASS
BLE_1M	Ant1	2440	0.50	≤30	PASS
BLE_1M	Ant1	2480	0.38	≤30	PASS
BLE_2M	Ant1	2402	0.63	≤30	PASS
BLE_2M	Ant1	2440	0.47	≤30	PASS
BLE_2M	Ant1	2480	0.38	≤30	PASS

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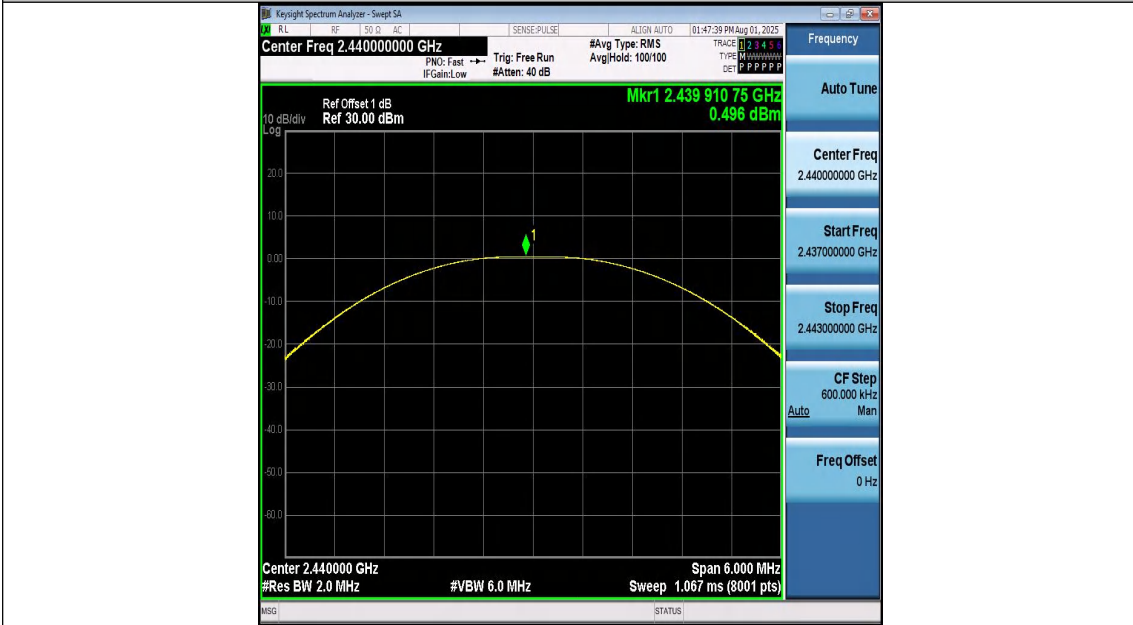
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Test Graphs Peak-Right Earphone



BLE_1M-Ant1-2402-PASS

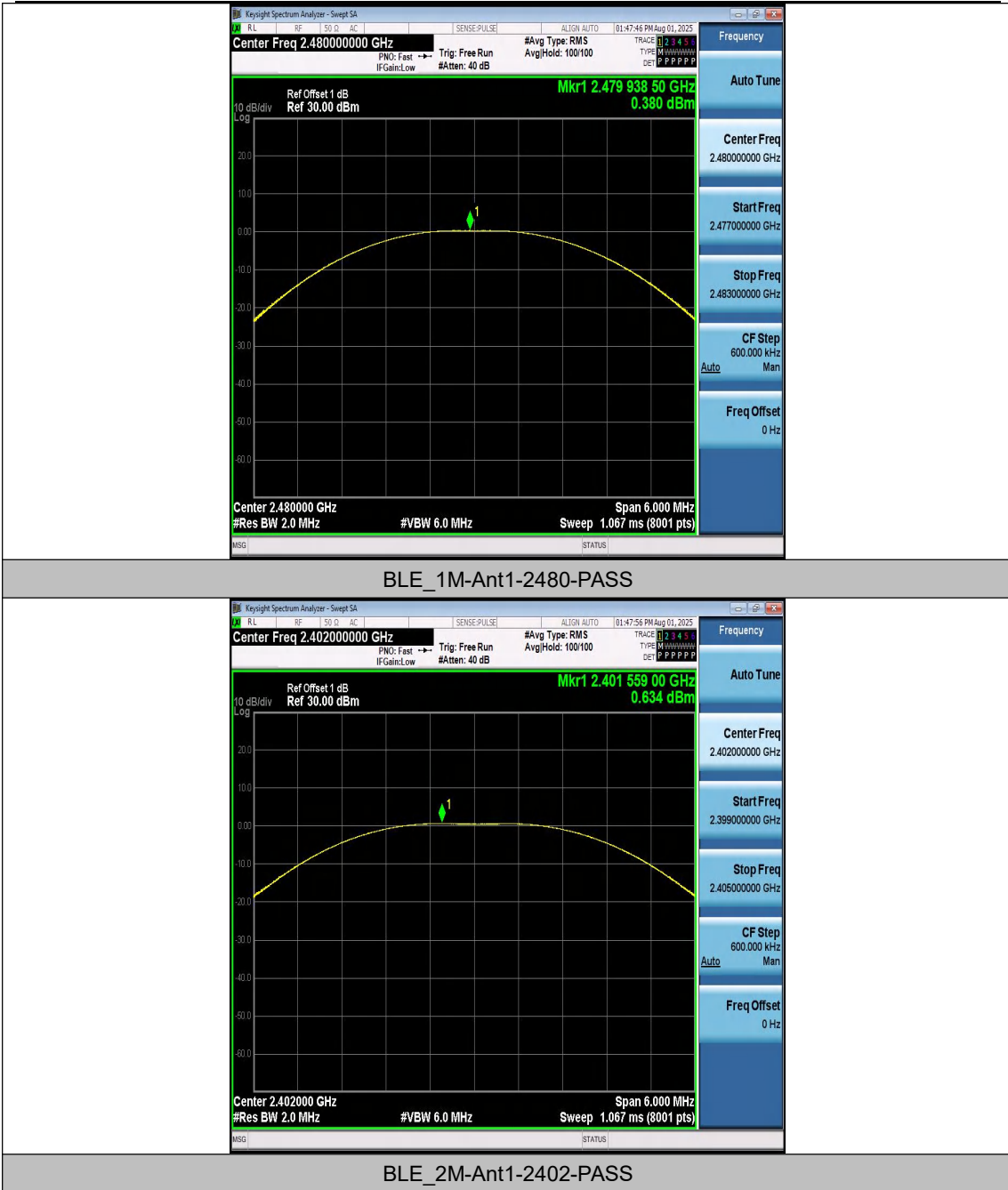


BLE_1M-Ant1-2440-PASS

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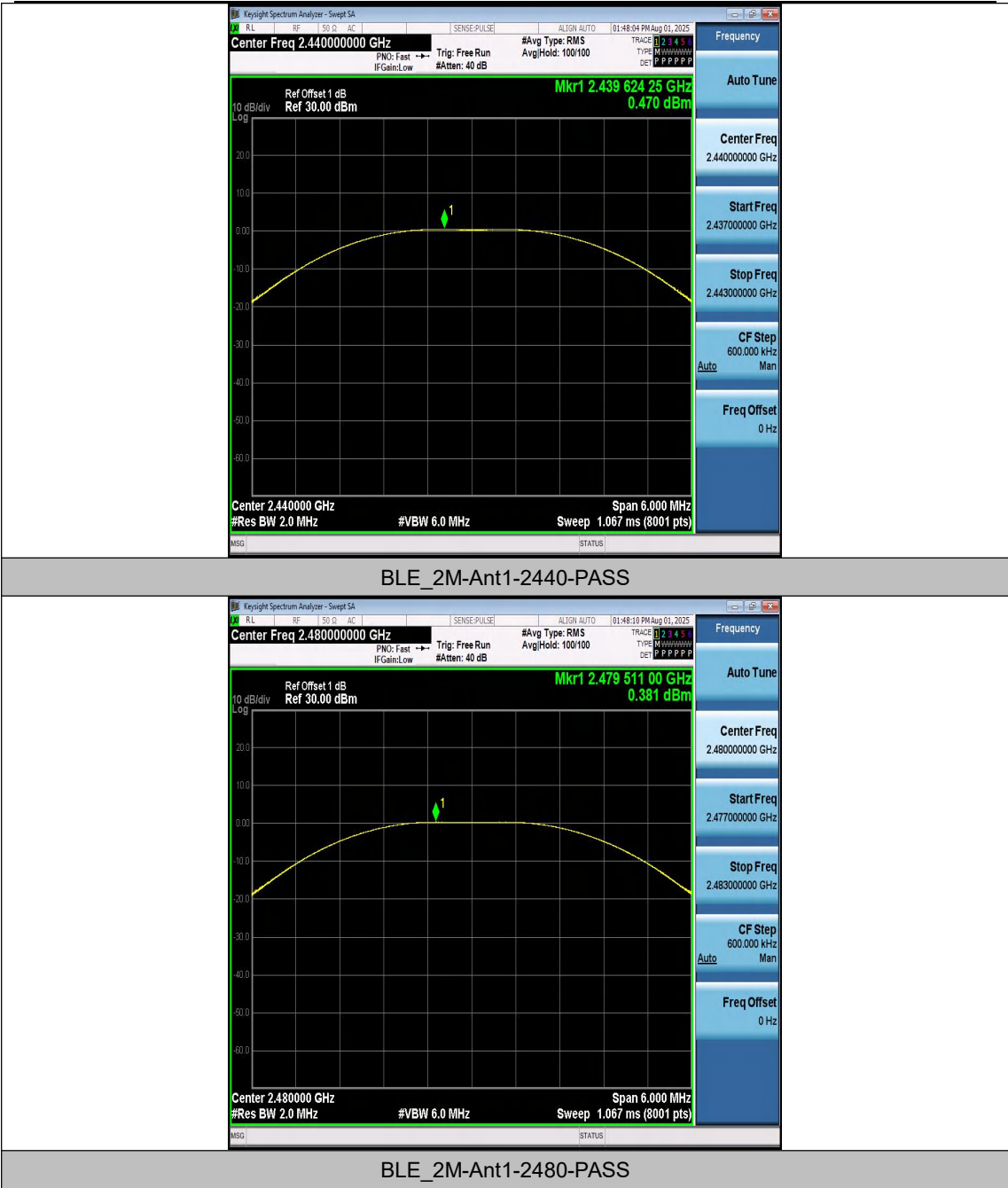
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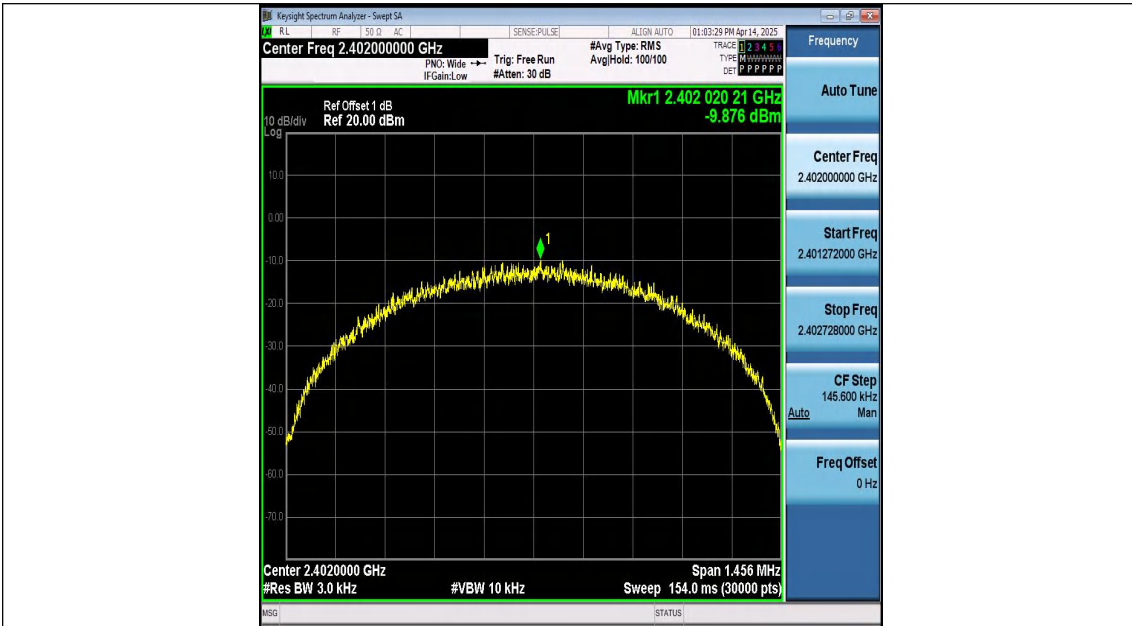
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Appendix D: Maximum power spectral density

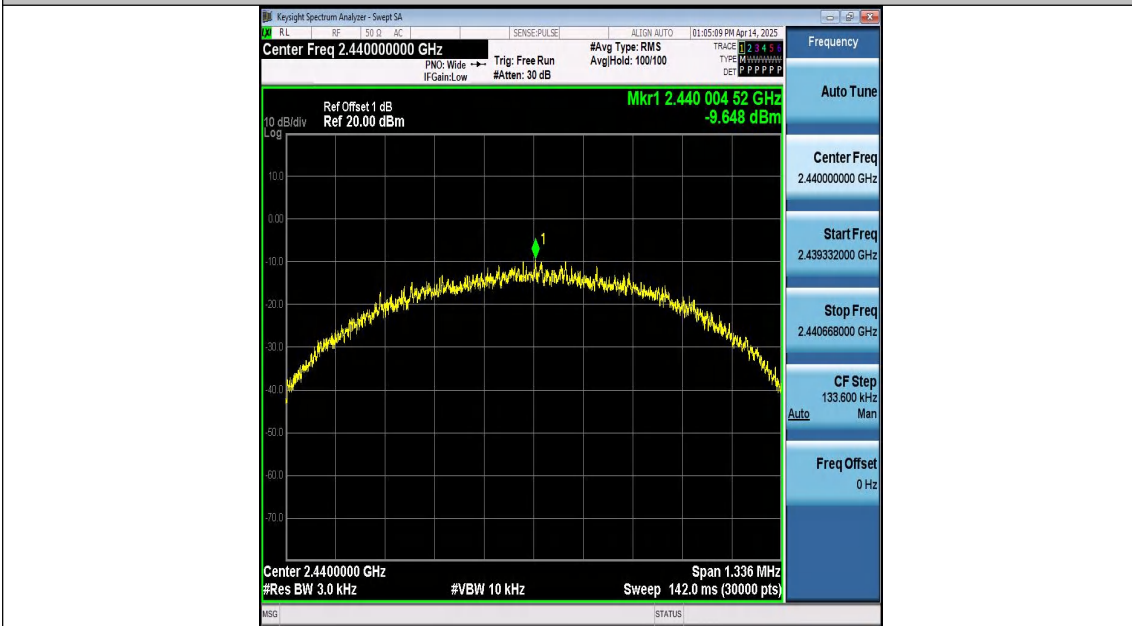
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.88	≤8.00	PASS
BLE_1M	Ant1	2440	-9.65	≤8.00	PASS
BLE_1M	Ant1	2480	-9.07	≤8.00	PASS
BLE_2M	Ant1	2402	-12.61	≤8.00	PASS
BLE_2M	Ant1	2440	-12.90	≤8.00	PASS
BLE_2M	Ant1	2480	-12.68	≤8.00	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS

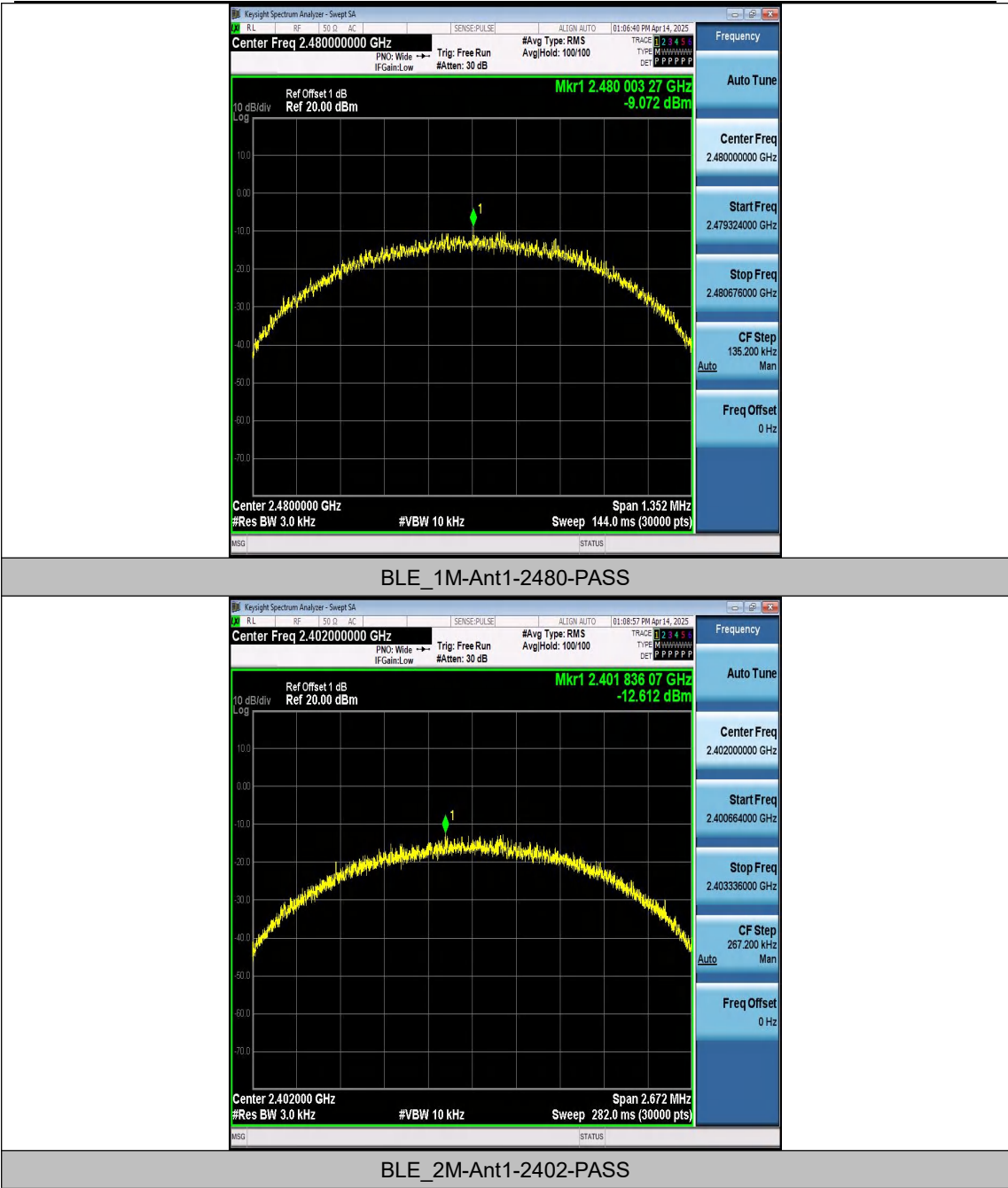


BLE_1M-Ant1-2440-PASS

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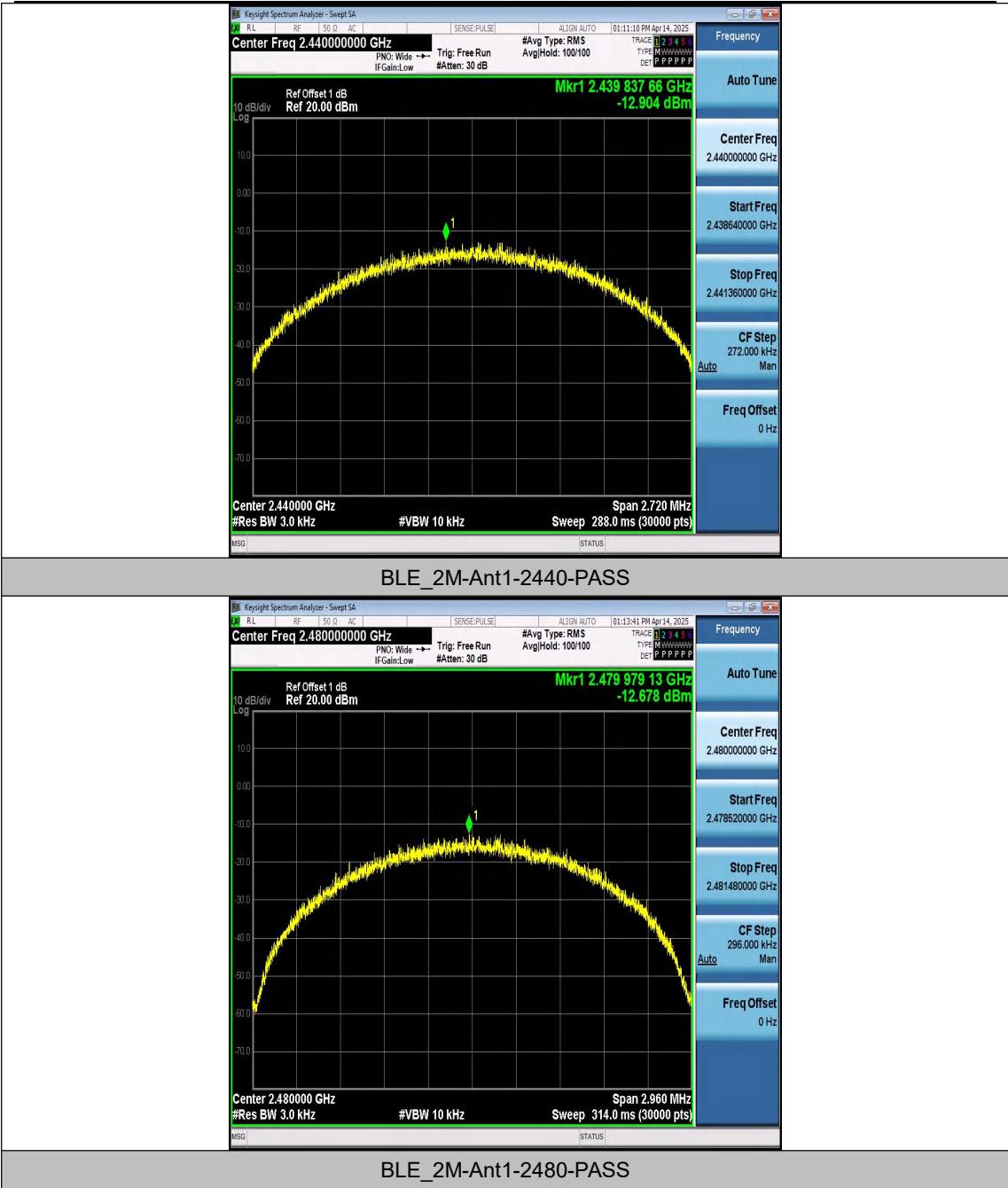
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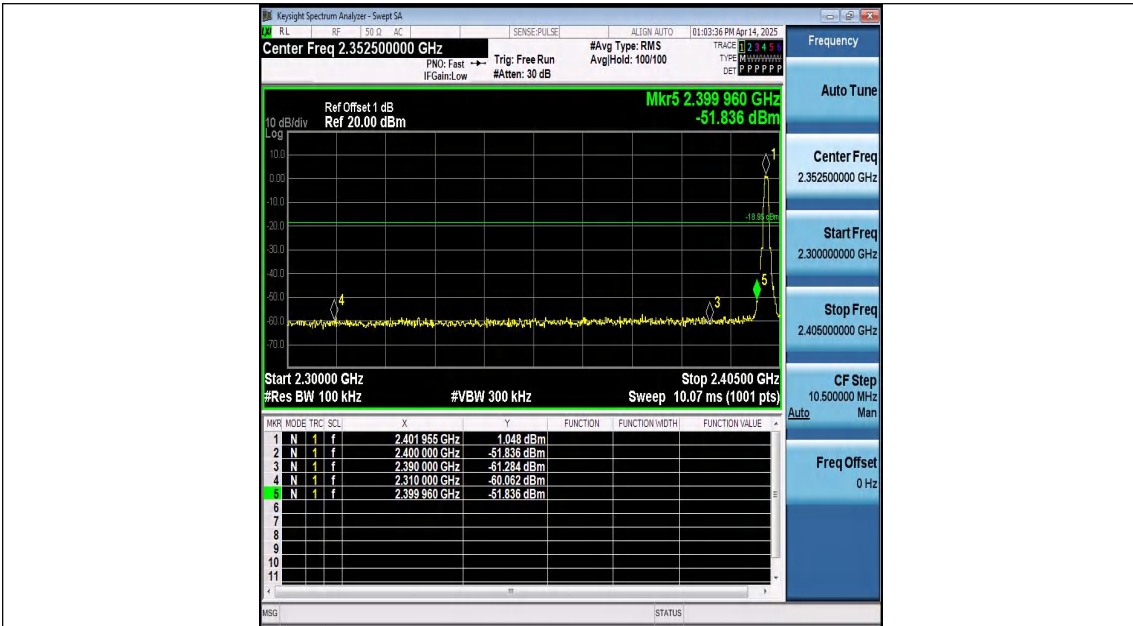
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Appendix E: Band edge measurements

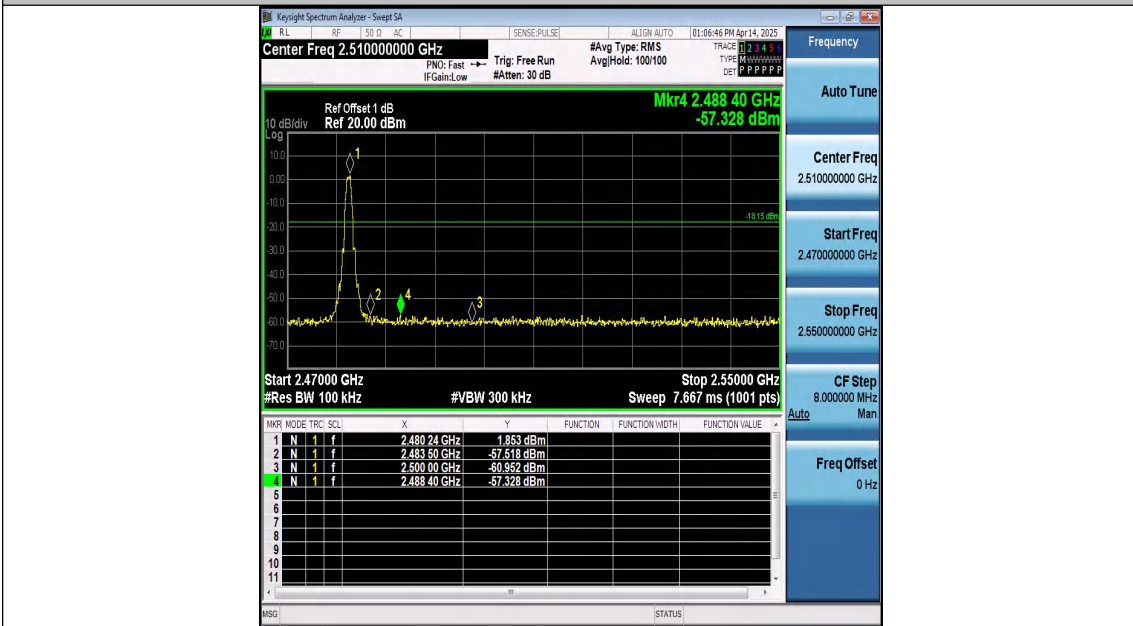
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.05	-51.84	≤-18.95	PASS
BLE_1M	Ant1	High	2480	1.85	-57.33	≤-18.15	PASS
BLE_2M	Ant1	Low	2402	0.38	-34.77	≤-19.63	PASS
BLE_2M	Ant1	High	2480	-0.49	-54.48	≤-20.49	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS

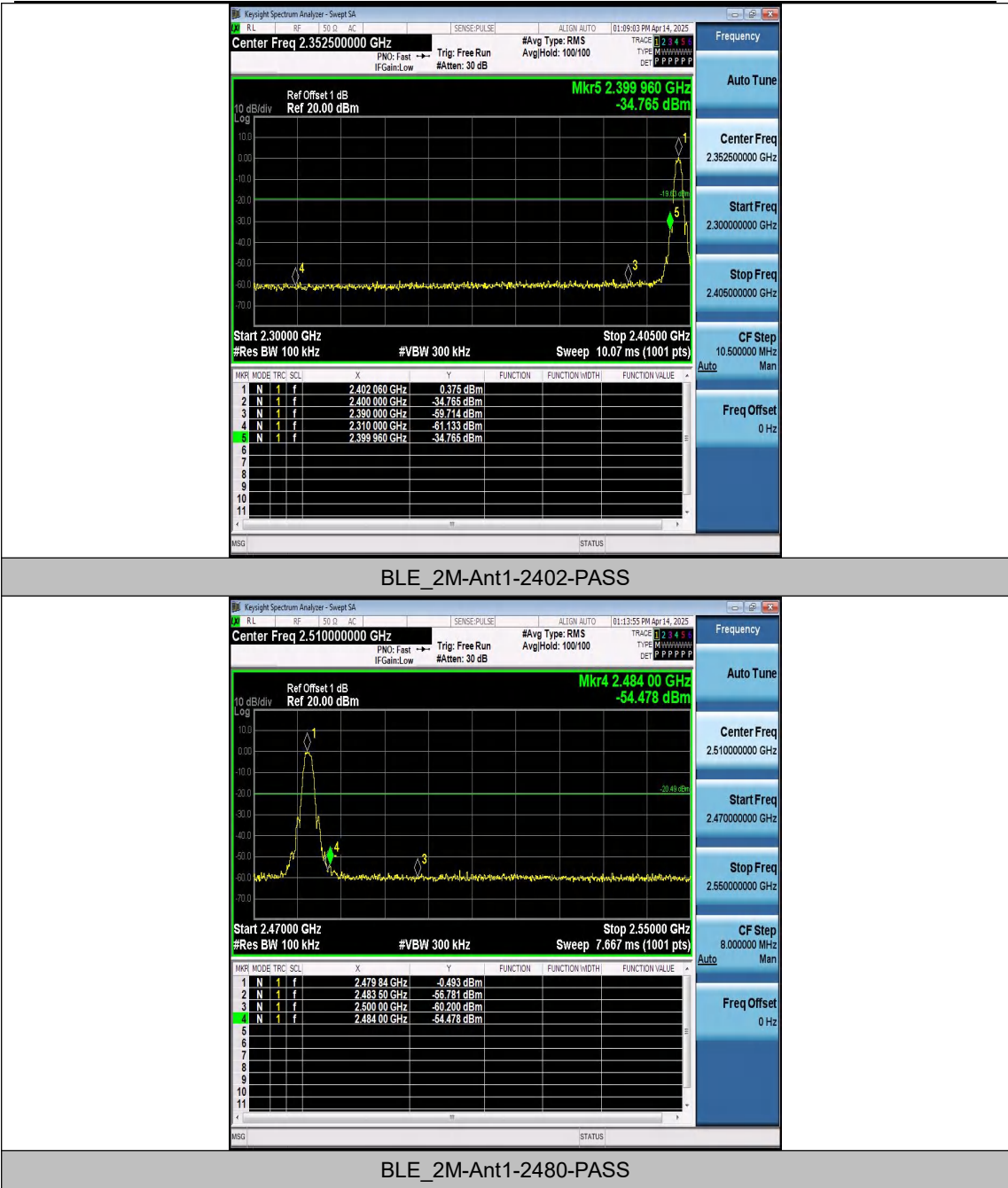


BLE_1M-Ant1-2480-PASS

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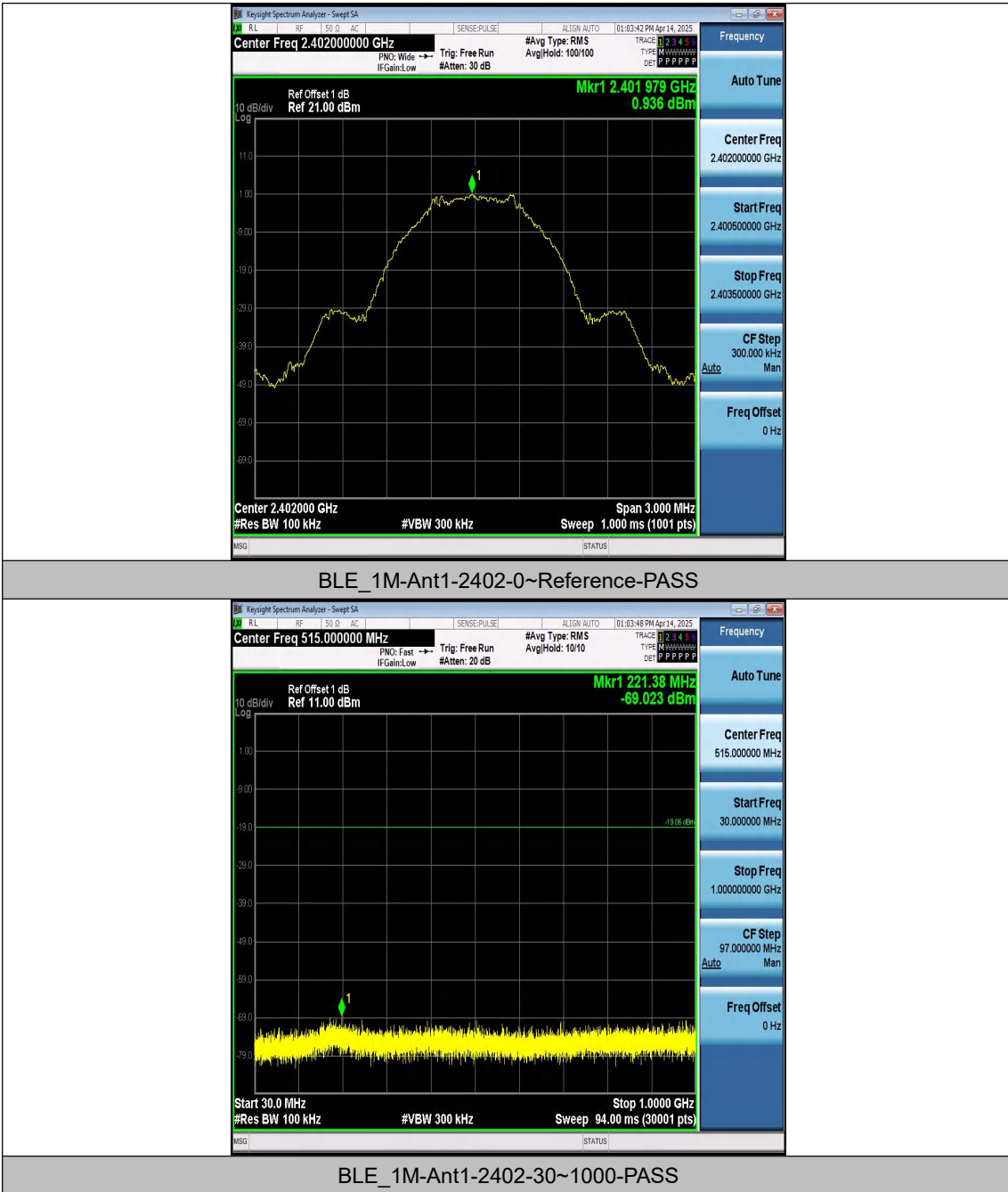
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.94	0.94	---	PASS
BLE_1M	Ant1	2402	30~1000	0.94	-69.02	≤-19.06	PASS
BLE_1M	Ant1	2402	1000~26500	0.94	-53.4	≤-19.06	PASS
BLE_1M	Ant1	2440	0~Reference	0.86	0.86	---	PASS
BLE_1M	Ant1	2440	30~1000	0.86	-68.66	≤-19.14	PASS
BLE_1M	Ant1	2440	1000~26500	0.86	-52.88	≤-19.14	PASS
BLE_1M	Ant1	2480	0~Reference	1.77	1.77	---	PASS
BLE_1M	Ant1	2480	30~1000	1.77	-68.88	≤-18.23	PASS
BLE_1M	Ant1	2480	1000~26500	1.77	-54.11	≤-18.23	PASS
BLE_2M	Ant1	2402	0~Reference	0.43	0.43	---	PASS
BLE_2M	Ant1	2402	30~1000	0.43	-69.14	≤-19.57	PASS
BLE_2M	Ant1	2402	1000~26500	0.43	-53.79	≤-19.57	PASS
BLE_2M	Ant1	2440	0~Reference	-0.40	-0.40	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.40	-69.51	≤-20.4	PASS
BLE_2M	Ant1	2440	1000~26500	-0.40	-54.12	≤-20.4	PASS
BLE_2M	Ant1	2480	0~Reference	0.41	0.41	---	PASS
BLE_2M	Ant1	2480	30~1000	0.41	-69.13	≤-19.59	PASS
BLE_2M	Ant1	2480	1000~26500	0.41	-53.85	≤-19.59	PASS

Test Graphs



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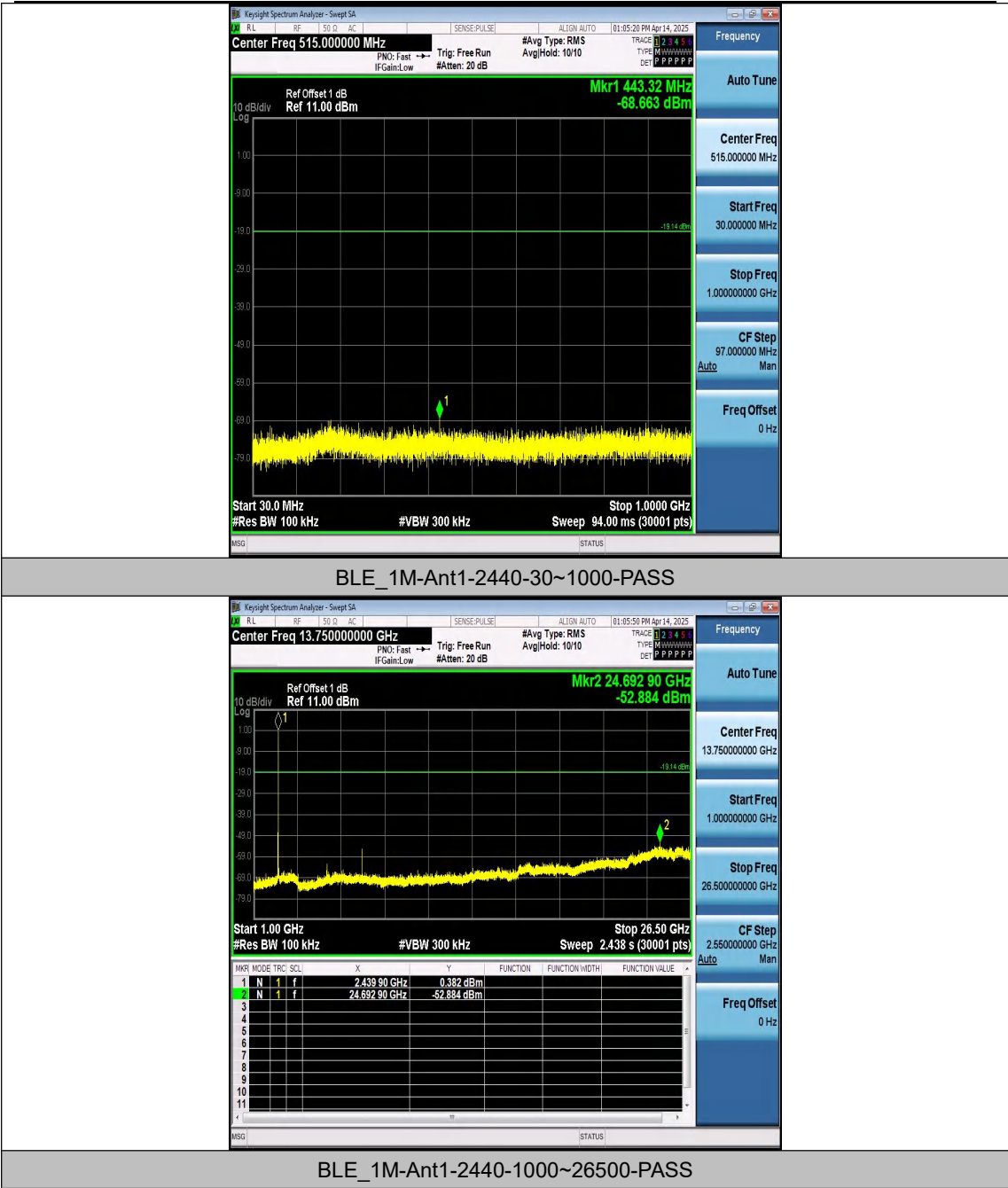
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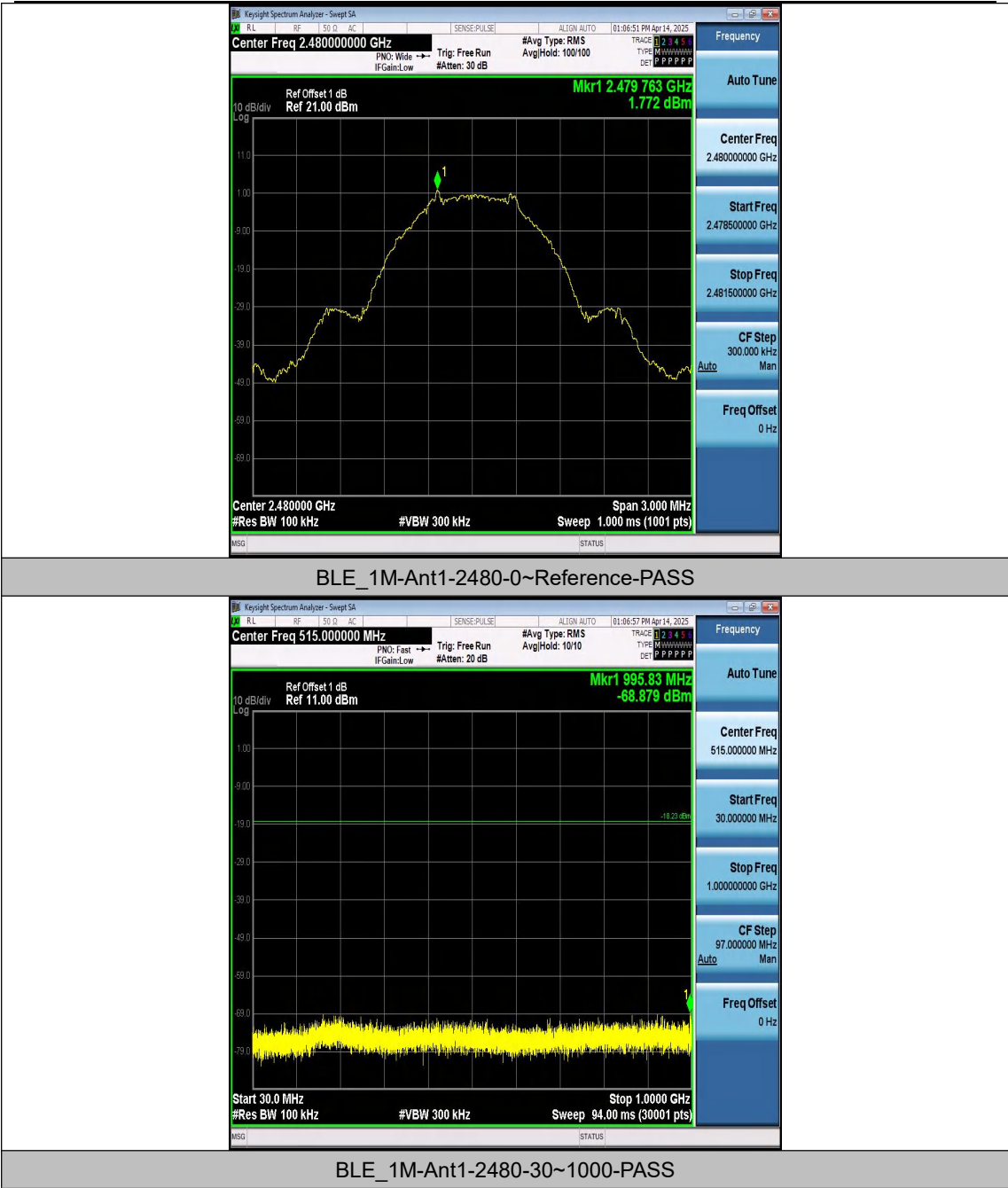
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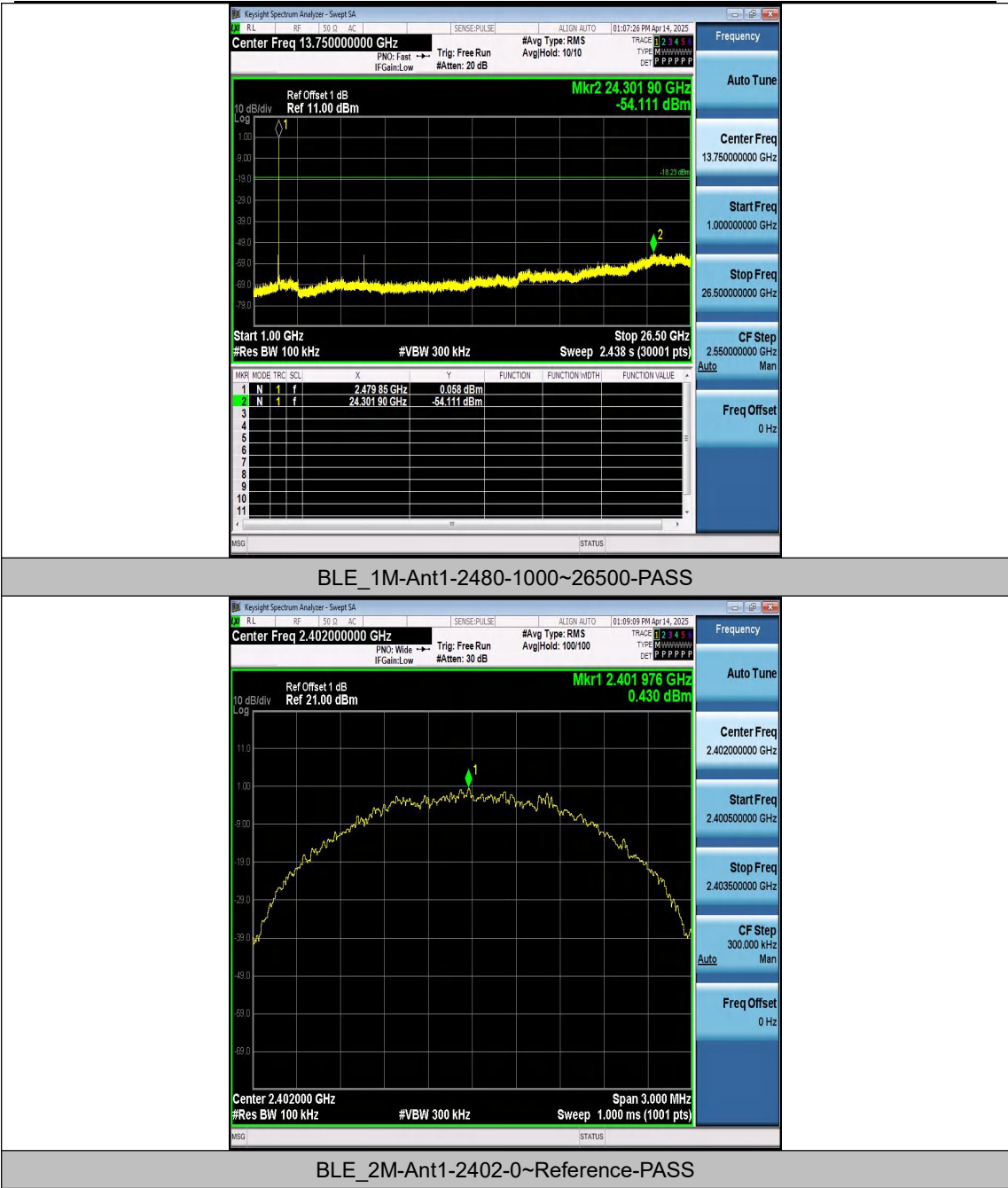
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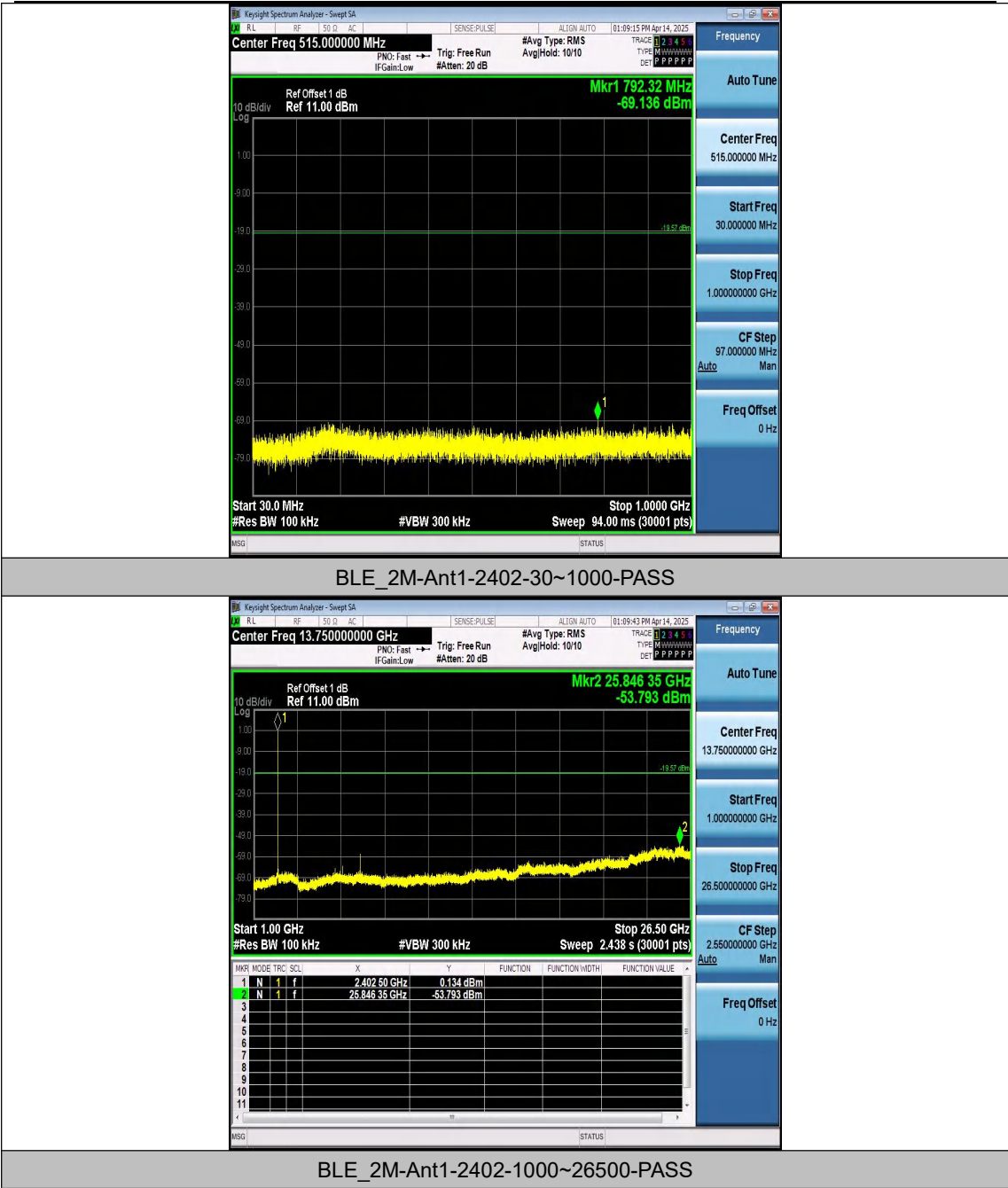
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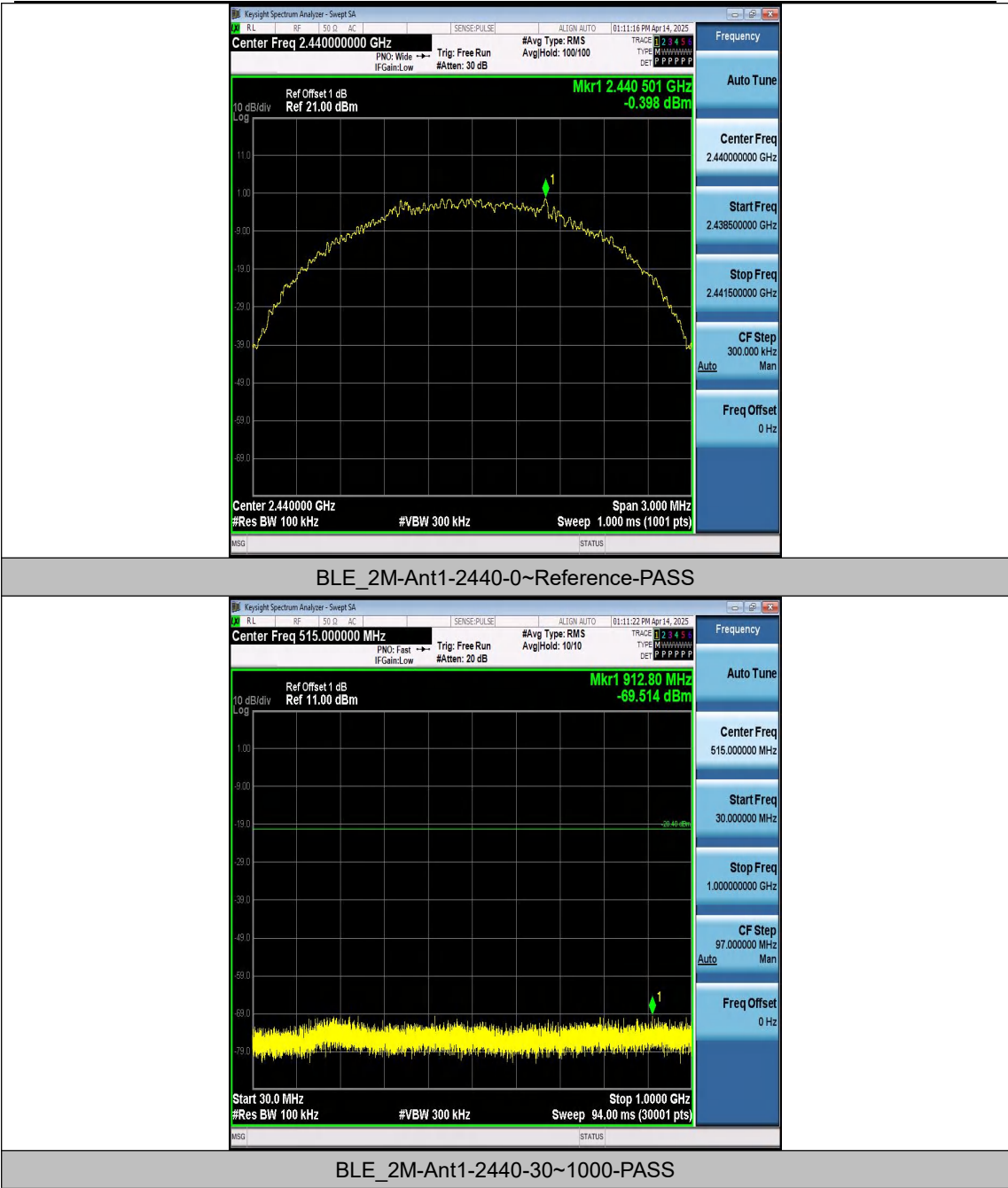
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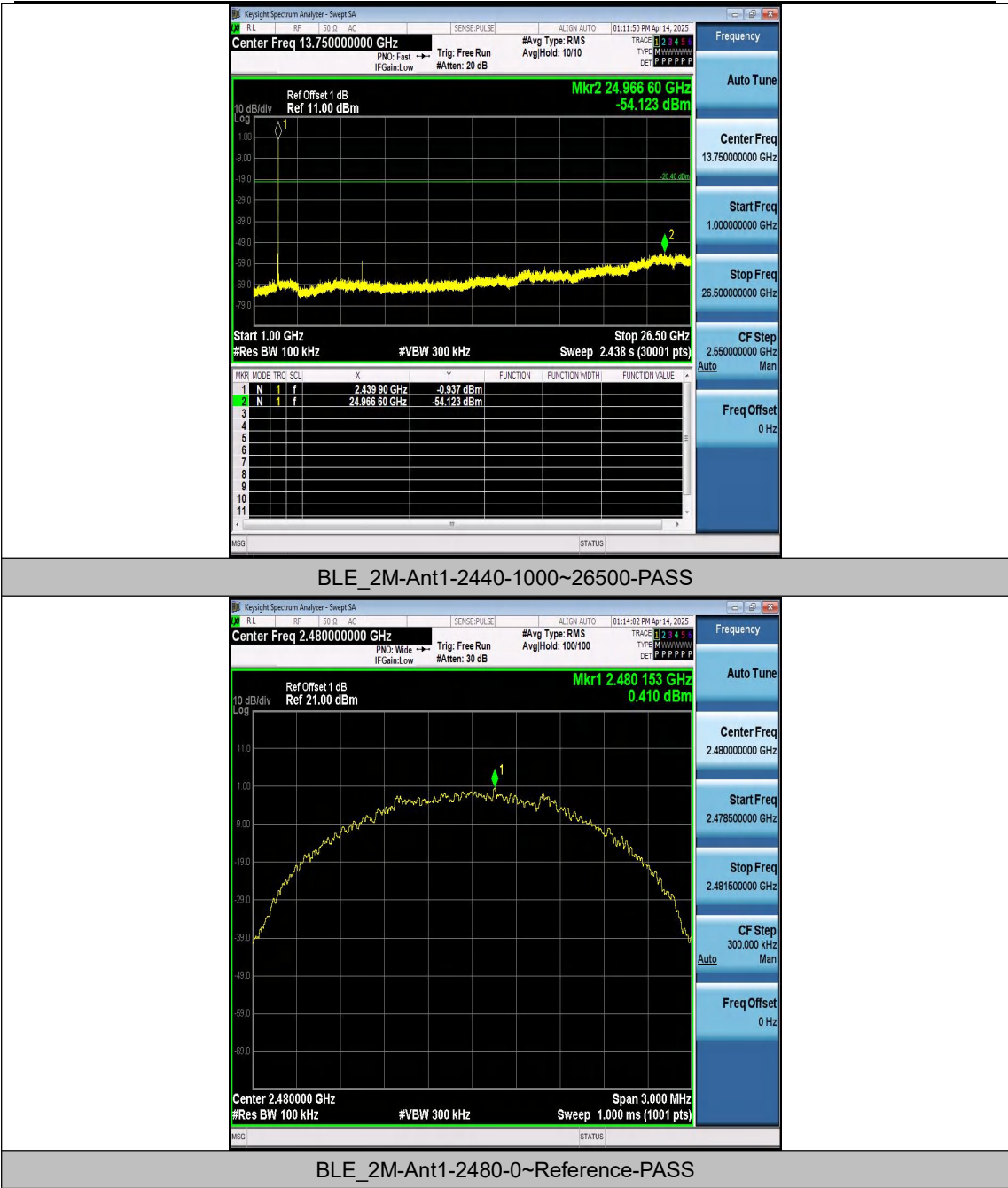
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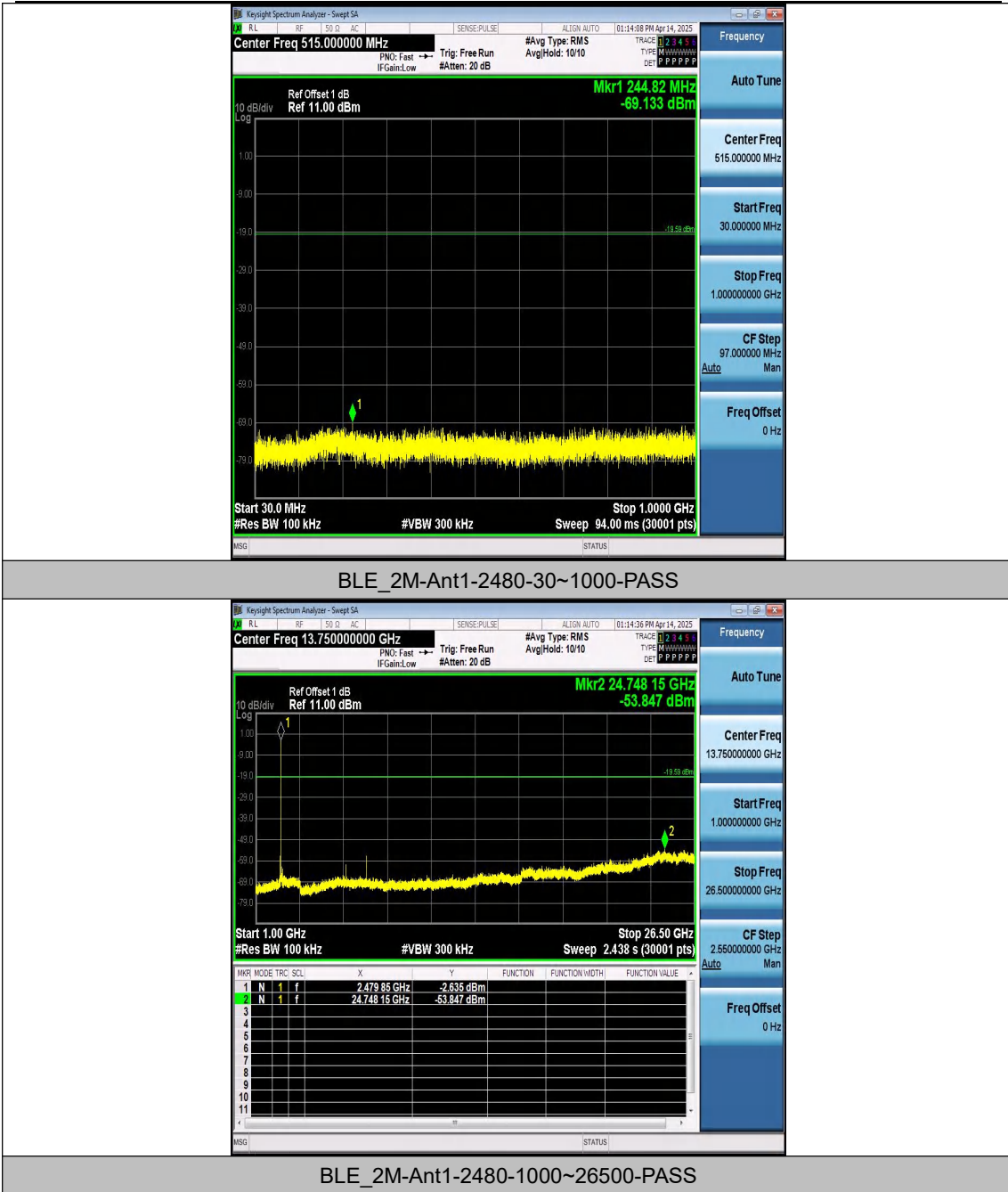
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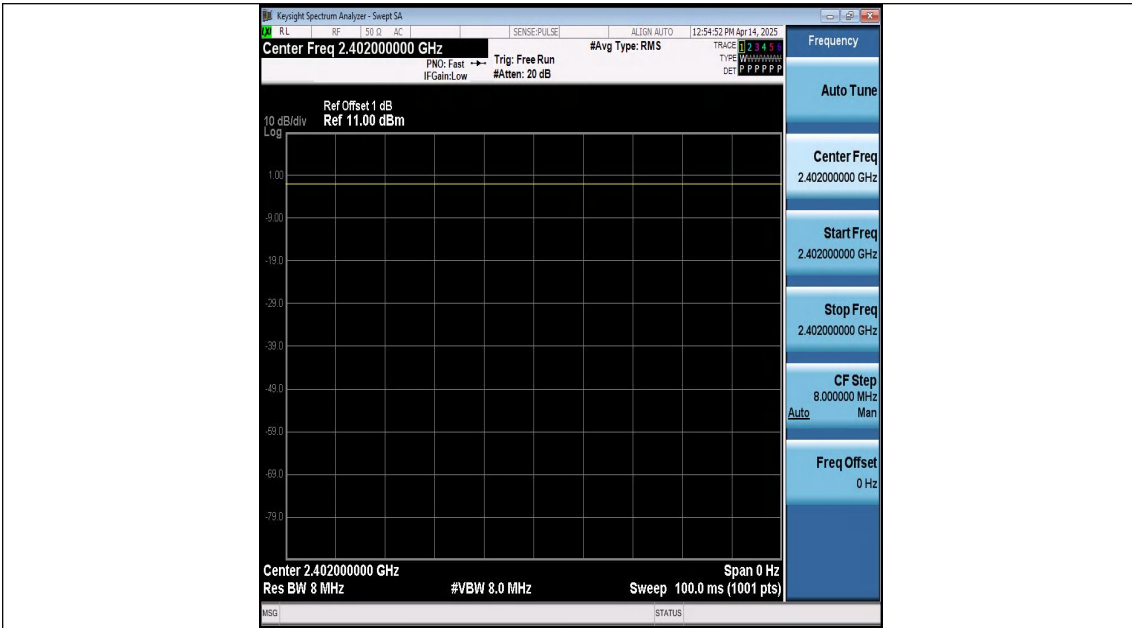
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Appendix G: Duty Cycle

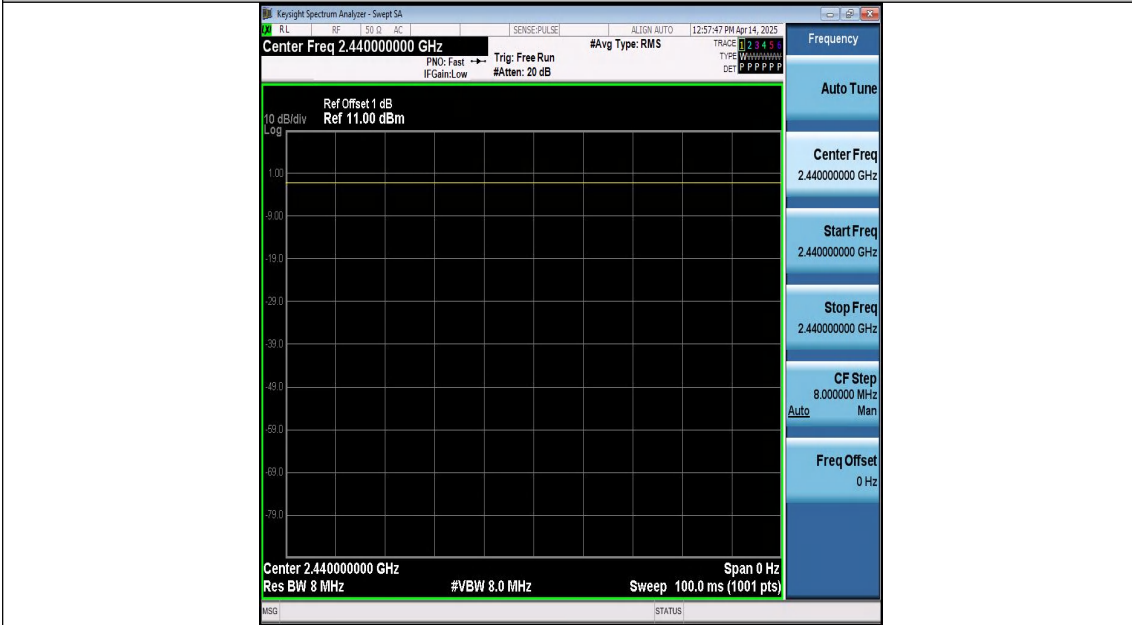
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100	0
BLE_1M	Ant1	2440	100.00	100.00	100	0
BLE_1M	Ant1	2480	100.00	100.00	100	0
BLE_2M	Ant1	2402	100.00	100.00	100	0
BLE_2M	Ant1	2440	100.00	100.00	100	0
BLE_2M	Ant1	2480	100.00	100.00	100	0

Test Graphs



NTNV-BLE_1M-Ant1-2402

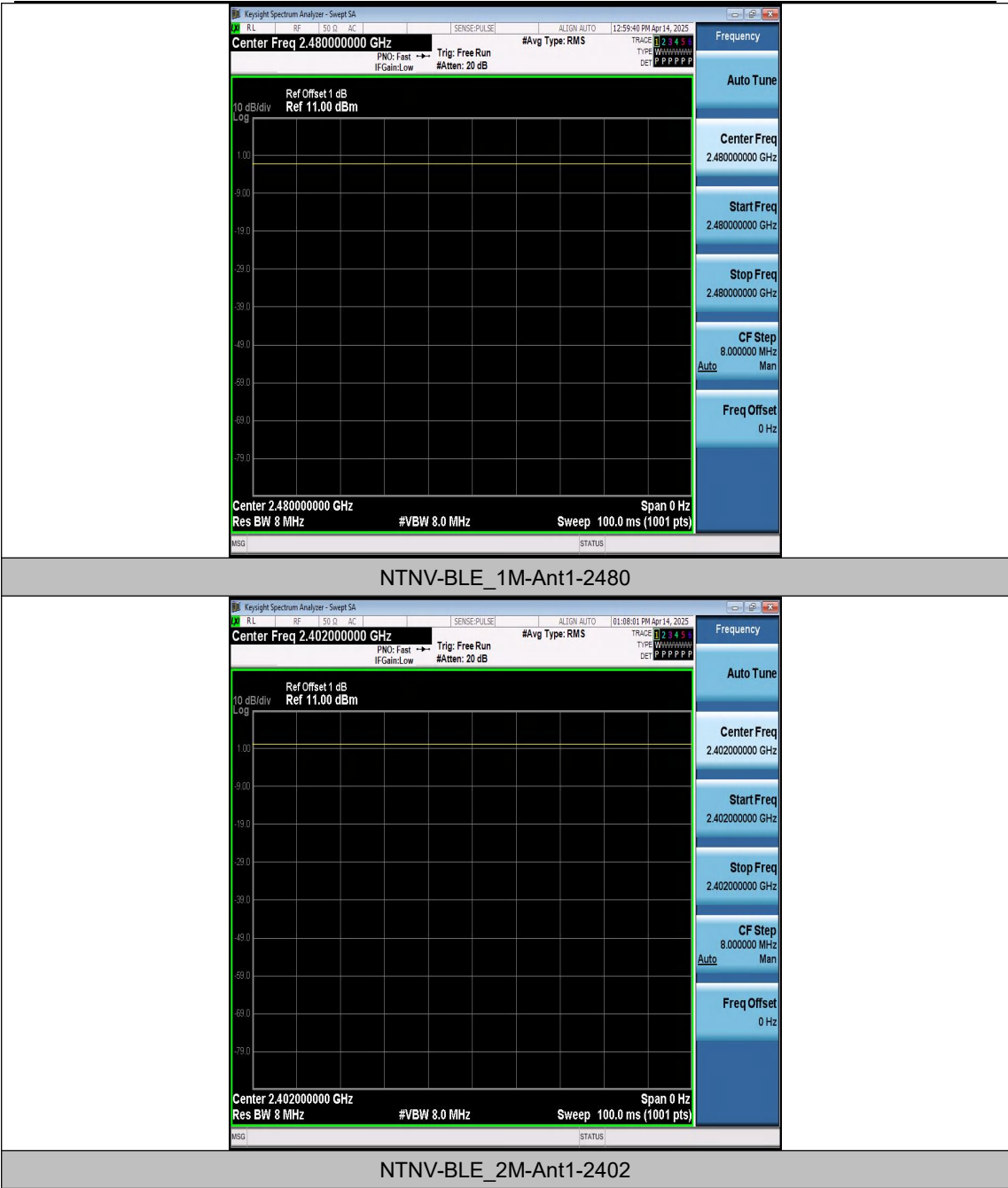


NTNV-BLE_1M-Ant1-2440

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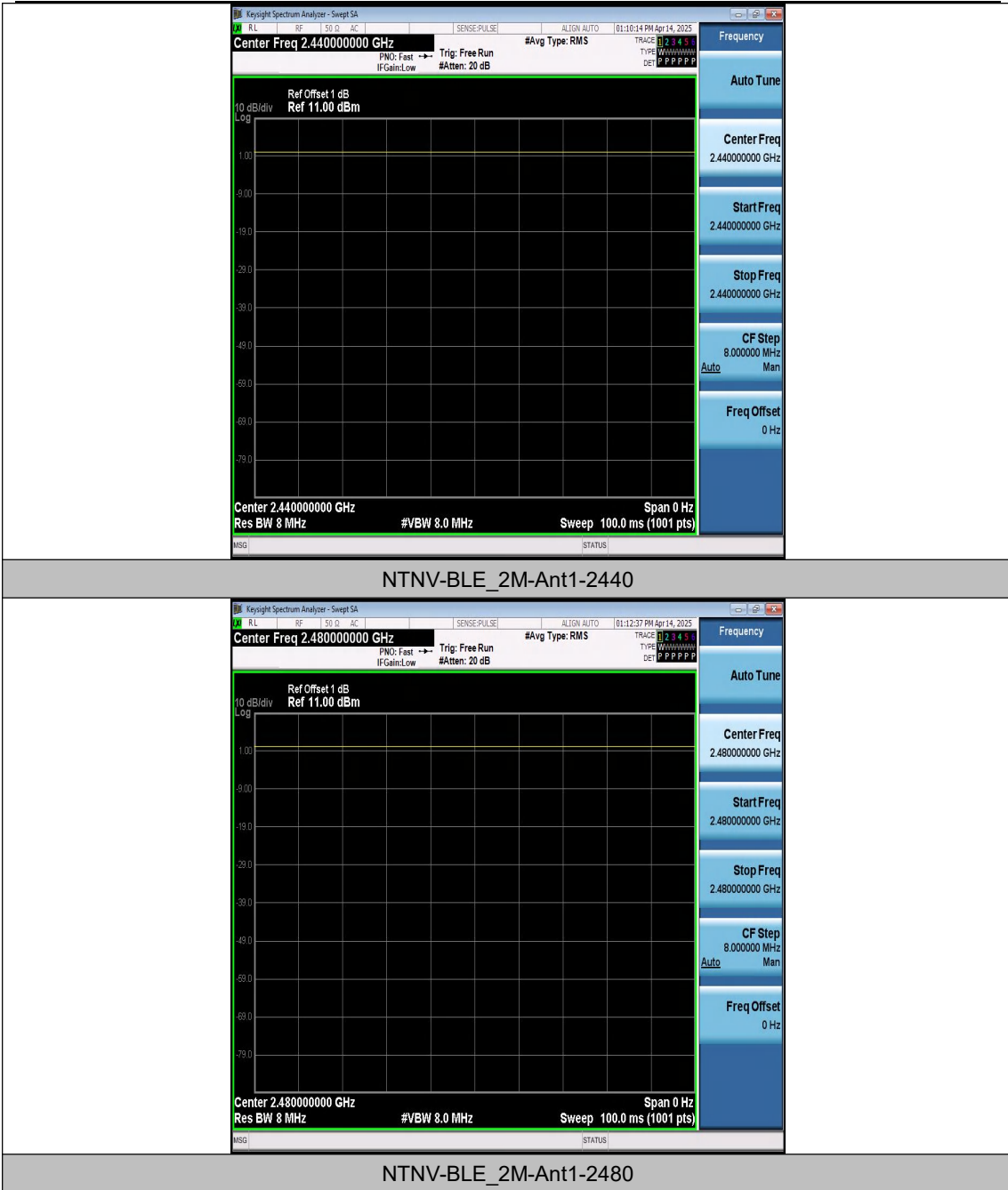
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