

Appendix Test Data

Report No.:	1819C50033512502	Test Sample No.:	1-2-2
Start Test Date:	2025.04.15	Finish Test Date:	2025.04.15
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	23.4℃	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	2401.648	2402.376	0.5	PASS
BLE_1M	Ant1	2440	0.712	2439.652	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.700	2479.660	2480.360	0.5	PASS
BLE_2M	Ant1	2402	1.408	2401.328	2402.736	0.5	PASS
BLE_2M	Ant1	2440	1.408	2439.332	2440.740	0.5	PASS
BLE_2M	Ant1	2480	1.404	2479.316	2480.720	0.5	PASS

Test Graphs



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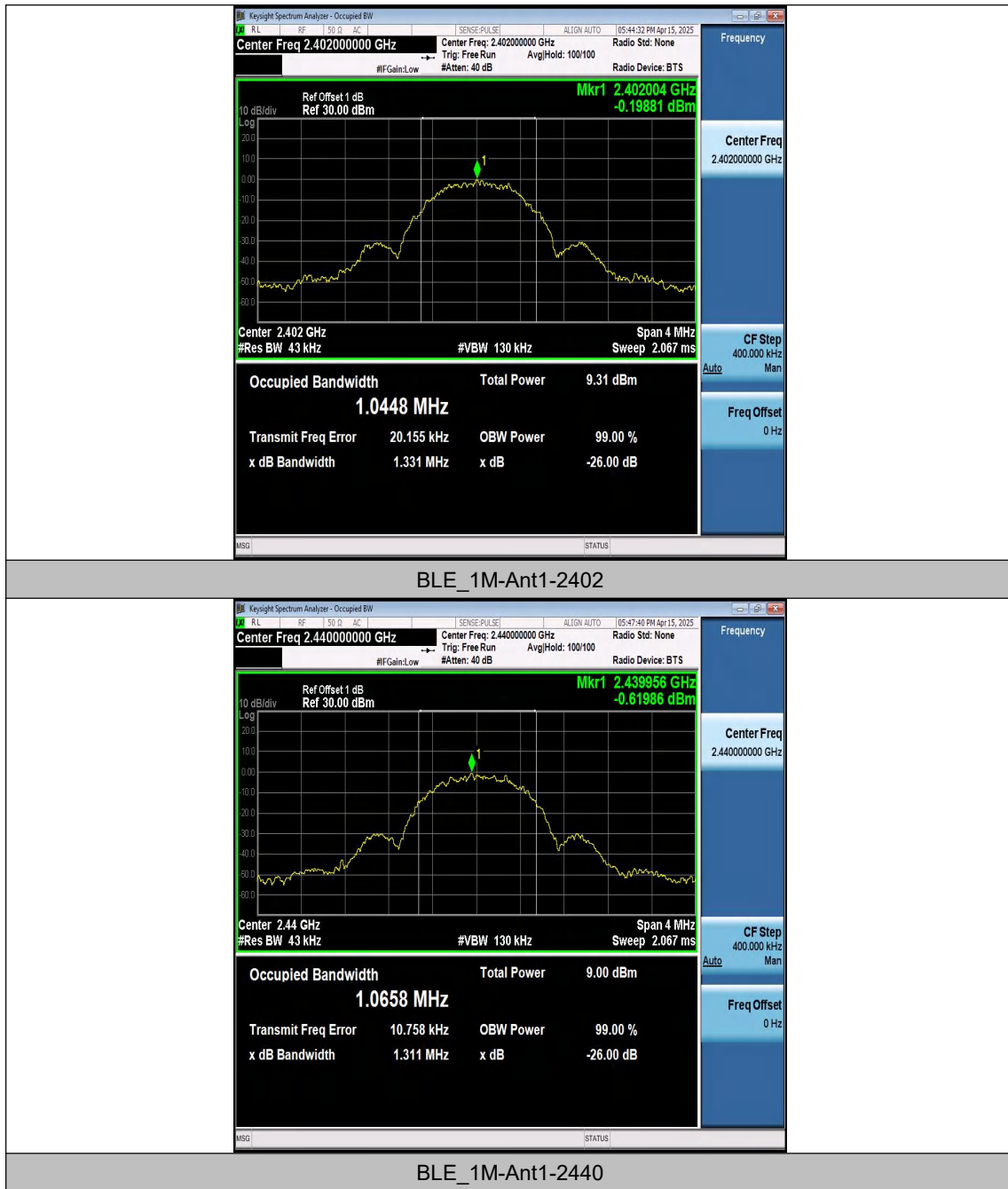
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0448	2401.4978	2402.5426	---	---
BLE_1M	Ant1	2440	1.0658	2439.4779	2440.5437	---	---
BLE_1M	Ant1	2480	1.0649	2479.4783	2480.5432	---	---
BLE_2M	Ant1	2402	2.0966	2400.9755	2403.0721	---	---
BLE_2M	Ant1	2440	2.1049	2438.9644	2441.0693	---	---
BLE_2M	Ant1	2480	2.0904	2478.9735	2481.0639	---	---

Test Graphs



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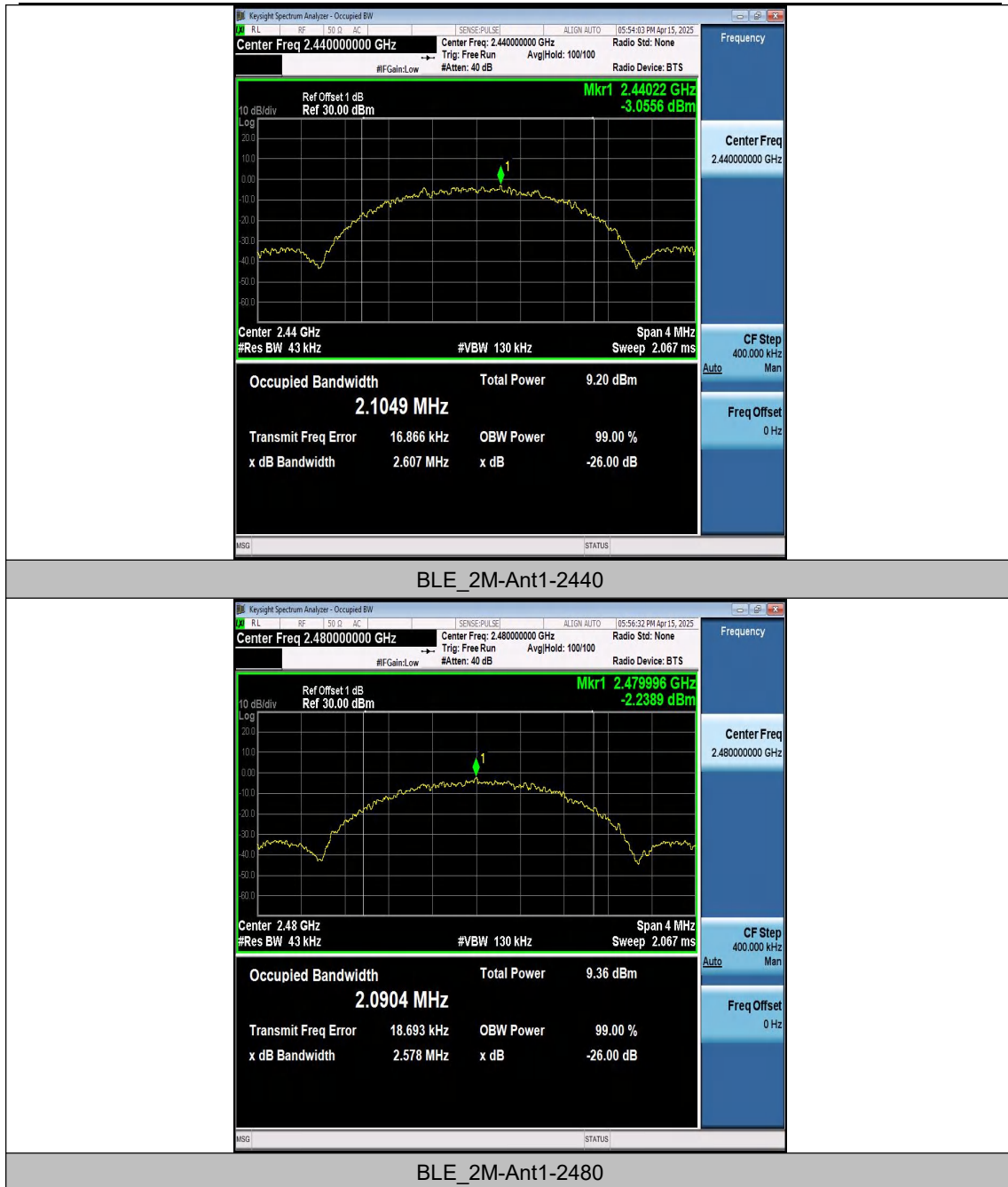
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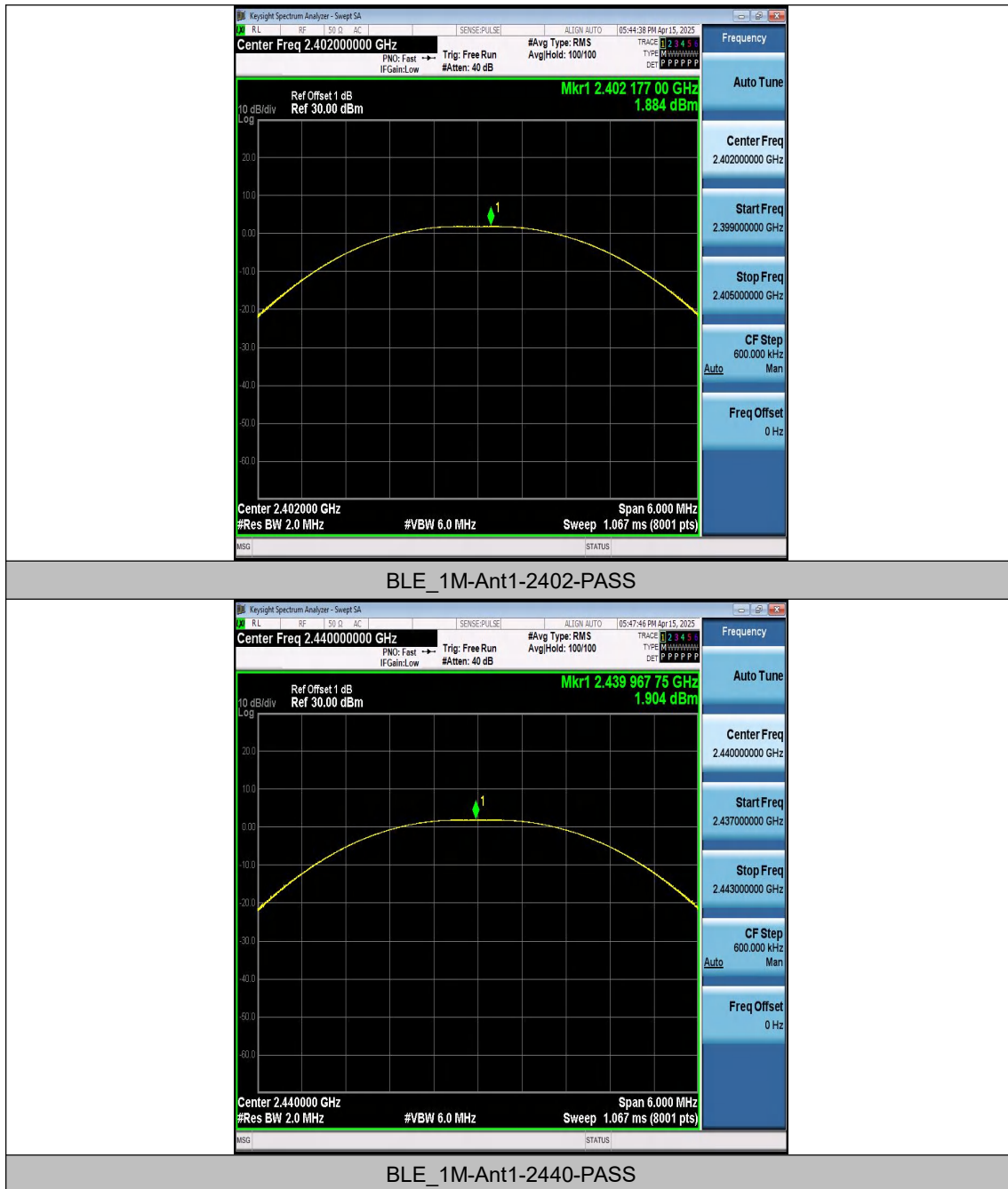
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Appendix C: Maximum conducted output power

Test Result Peak-Left Earphone

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.88	≤30	PASS
BLE_1M	Ant1	2440	1.90	≤30	PASS
BLE_1M	Ant1	2480	2.04	≤30	PASS
BLE_2M	Ant1	2402	1.90	≤30	PASS
BLE_2M	Ant1	2440	1.85	≤30	PASS
BLE_2M	Ant1	2480	2.00	≤30	PASS

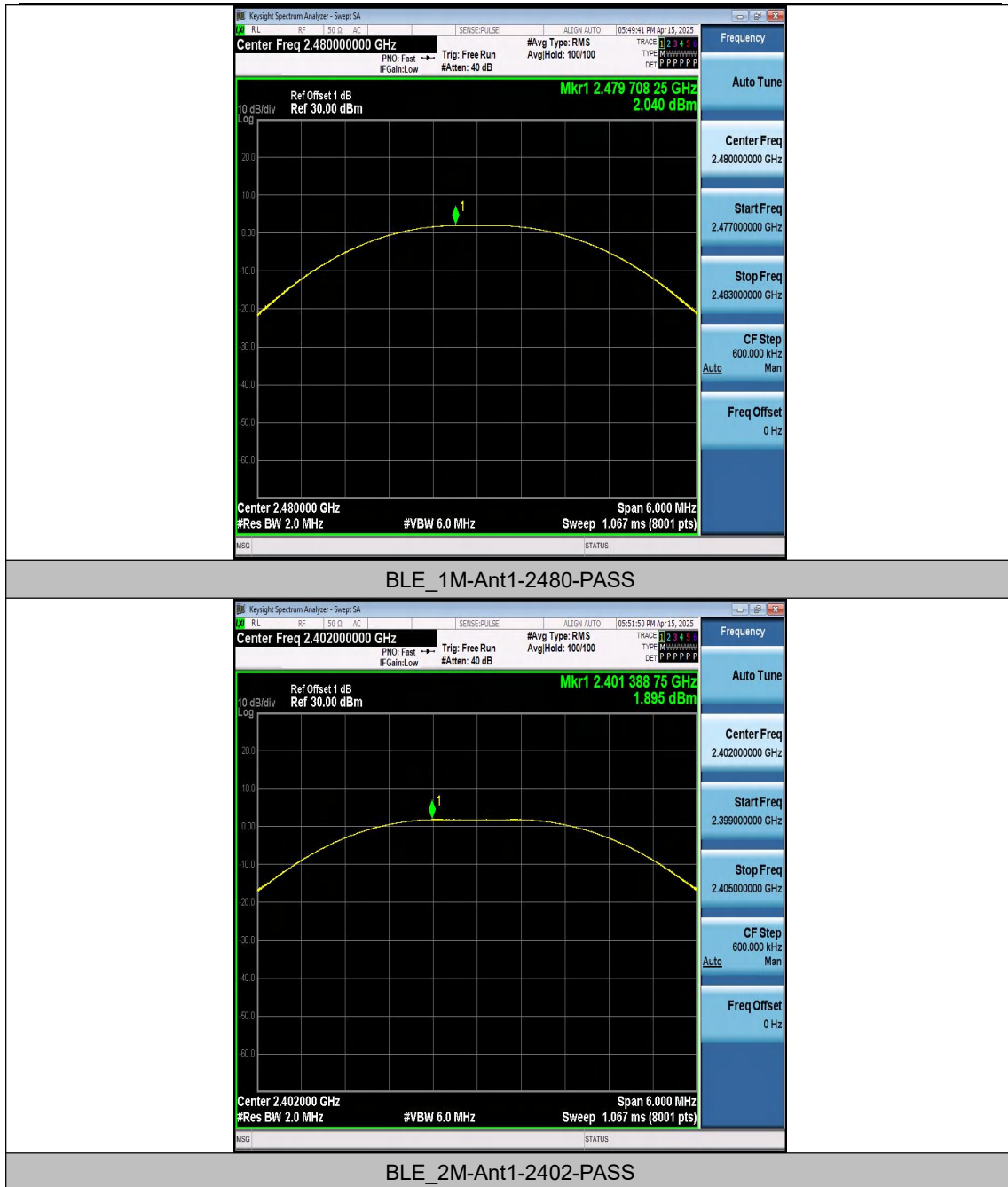
Test Graphs Peak-Left Earphone



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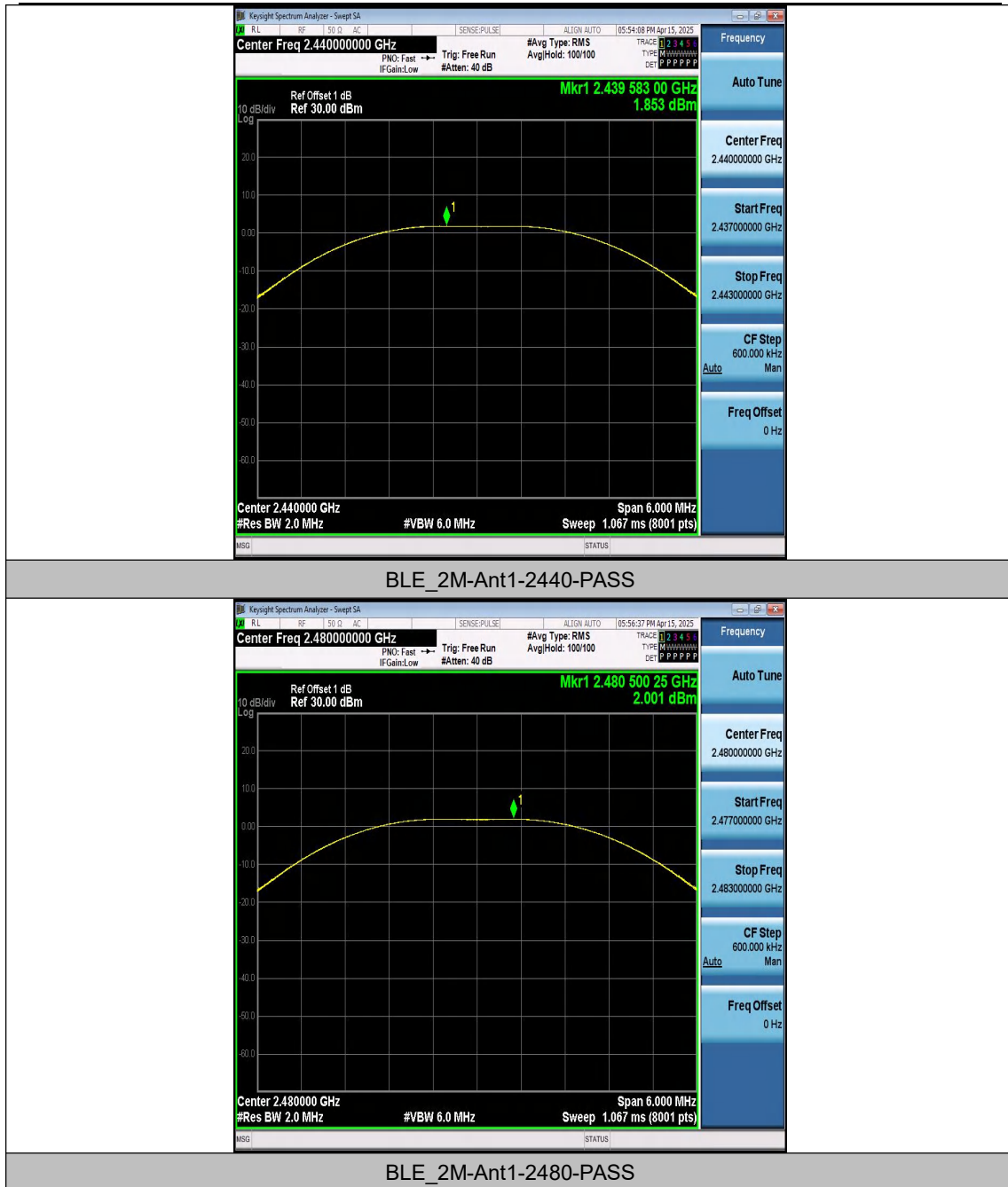
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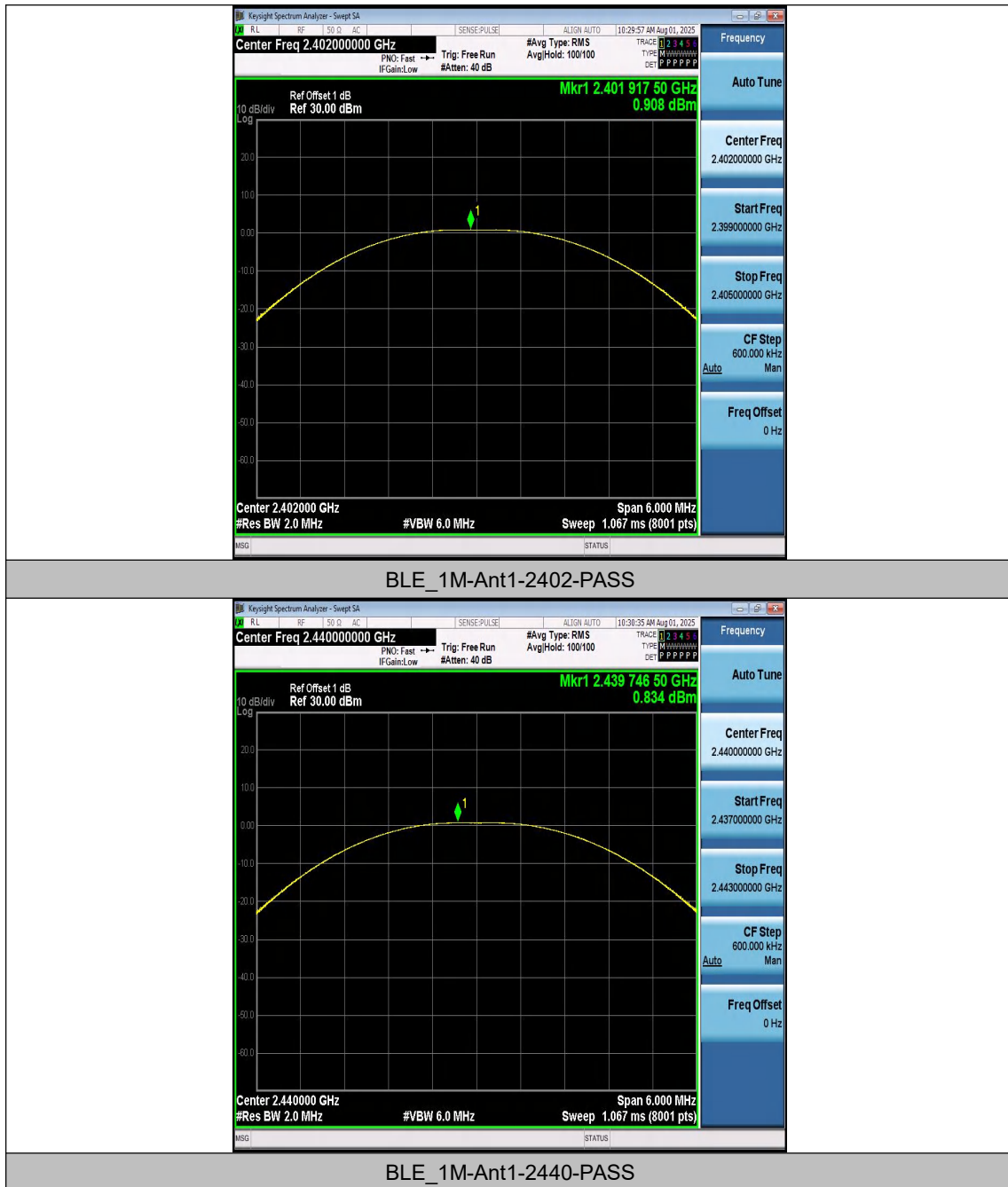
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Test Result Peak-Right Earphone

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.91	≤30	PASS
BLE_1M	Ant1	2440	0.83	≤30	PASS
BLE_1M	Ant1	2480	0.83	≤30	PASS
BLE_2M	Ant1	2402	0.92	≤30	PASS
BLE_2M	Ant1	2440	0.83	≤30	PASS
BLE_2M	Ant1	2480	0.84	≤30	PASS

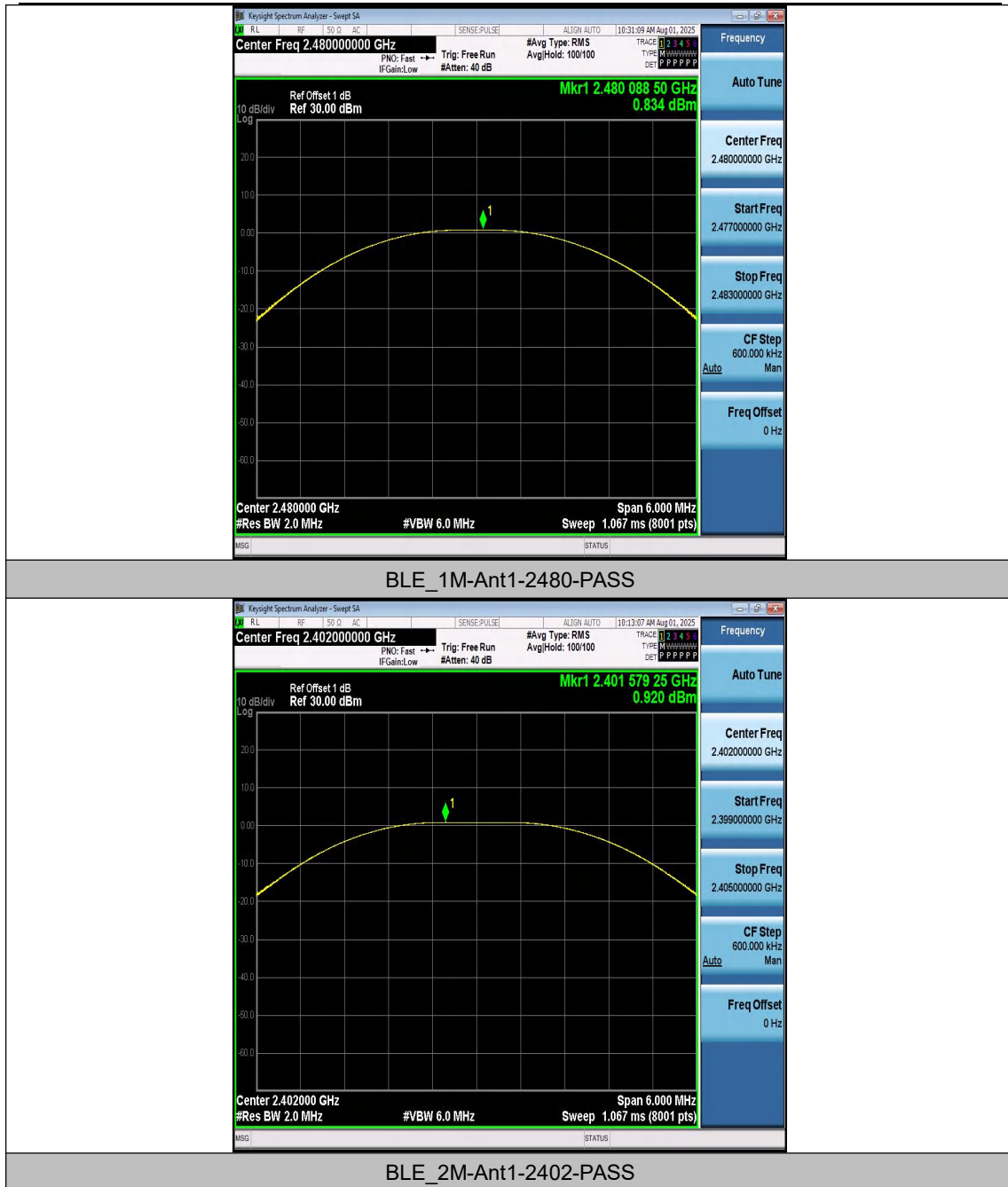
Test Graphs Peak-Right Earphone



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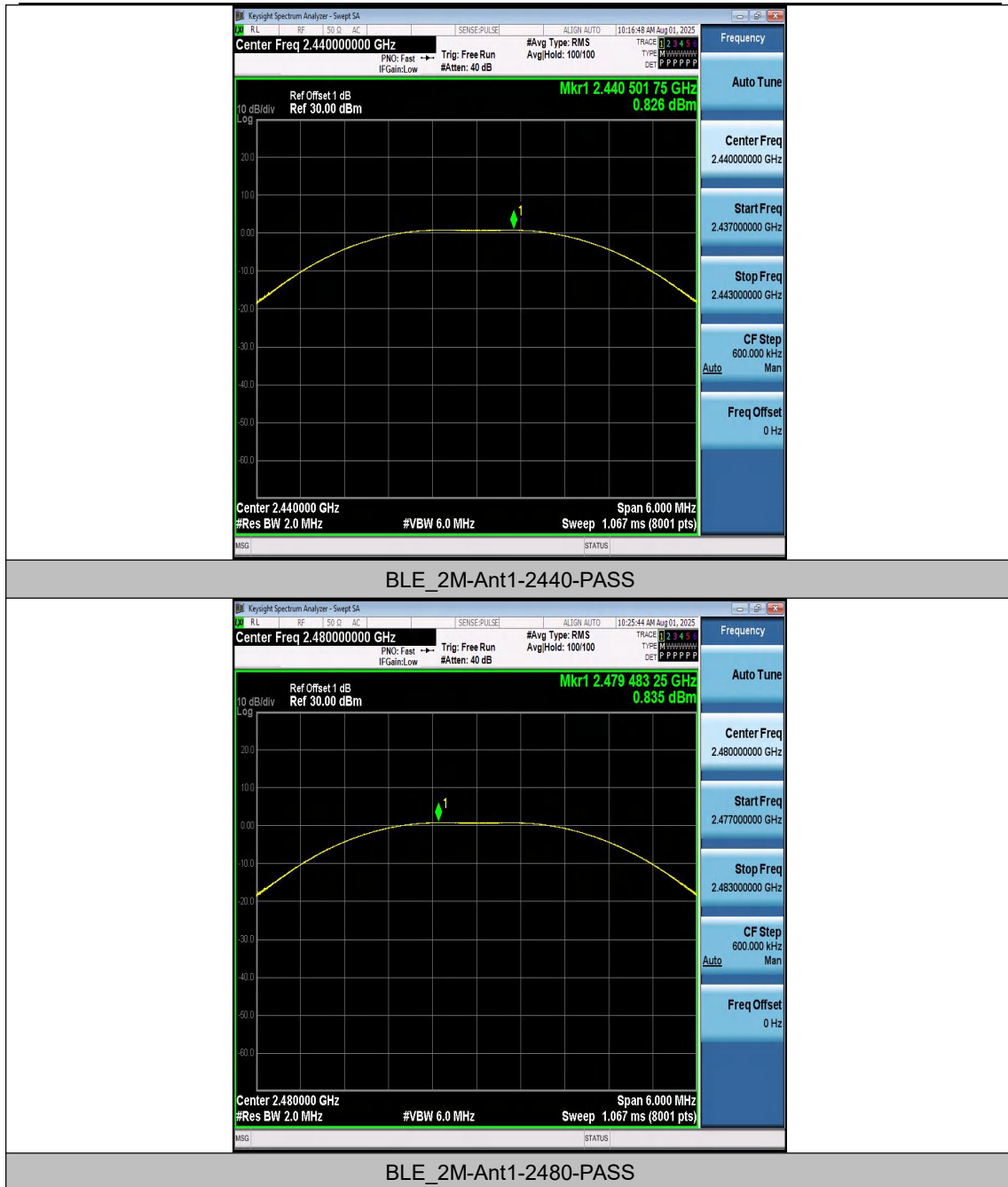
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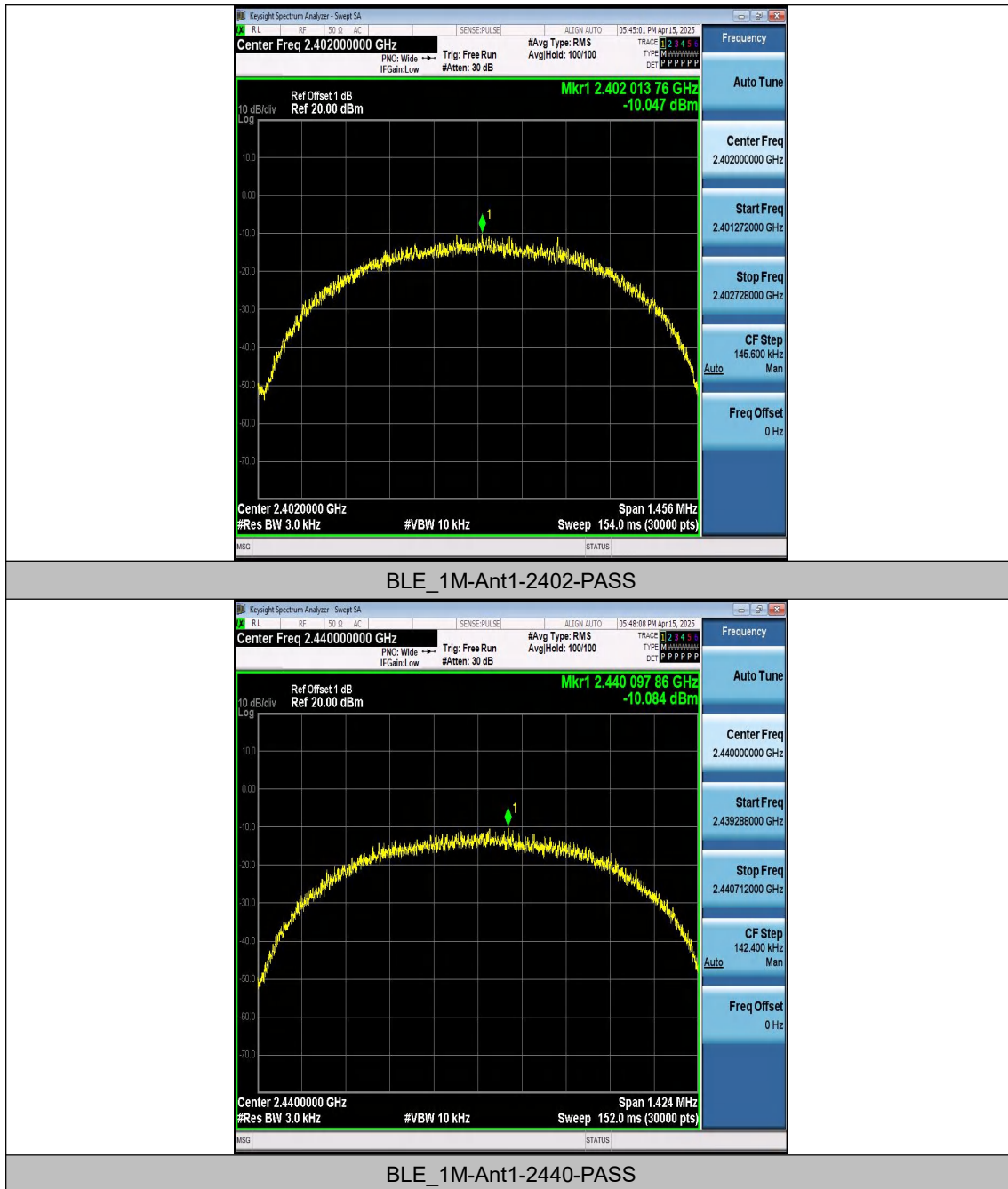
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.05	≤8.00	PASS
BLE_1M	Ant1	2440	-10.08	≤8.00	PASS
BLE_1M	Ant1	2480	-9.54	≤8.00	PASS
BLE_2M	Ant1	2402	-13.10	≤8.00	PASS
BLE_2M	Ant1	2440	-13.25	≤8.00	PASS
BLE_2M	Ant1	2480	-12.78	≤8.00	PASS

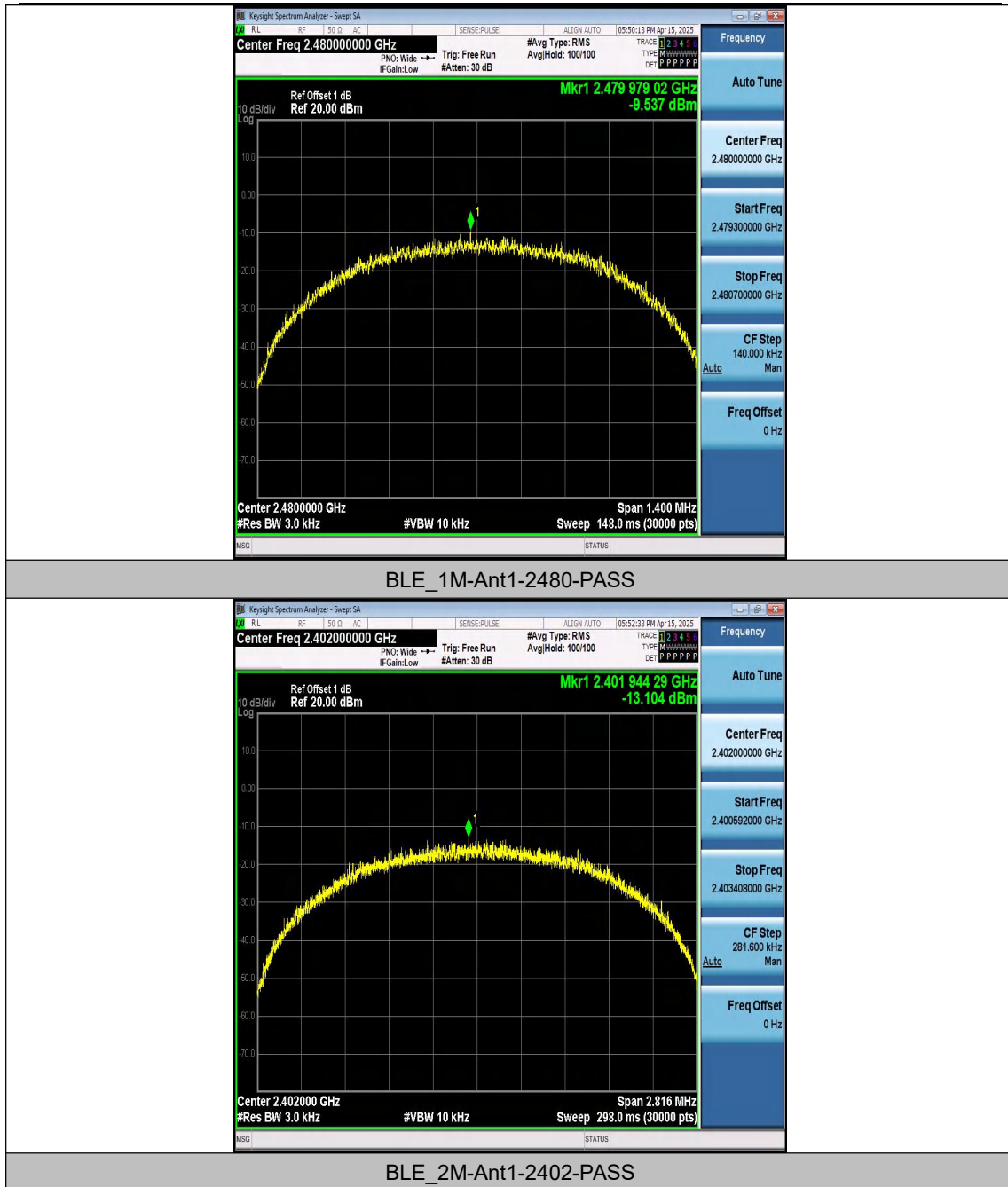
Test Graphs



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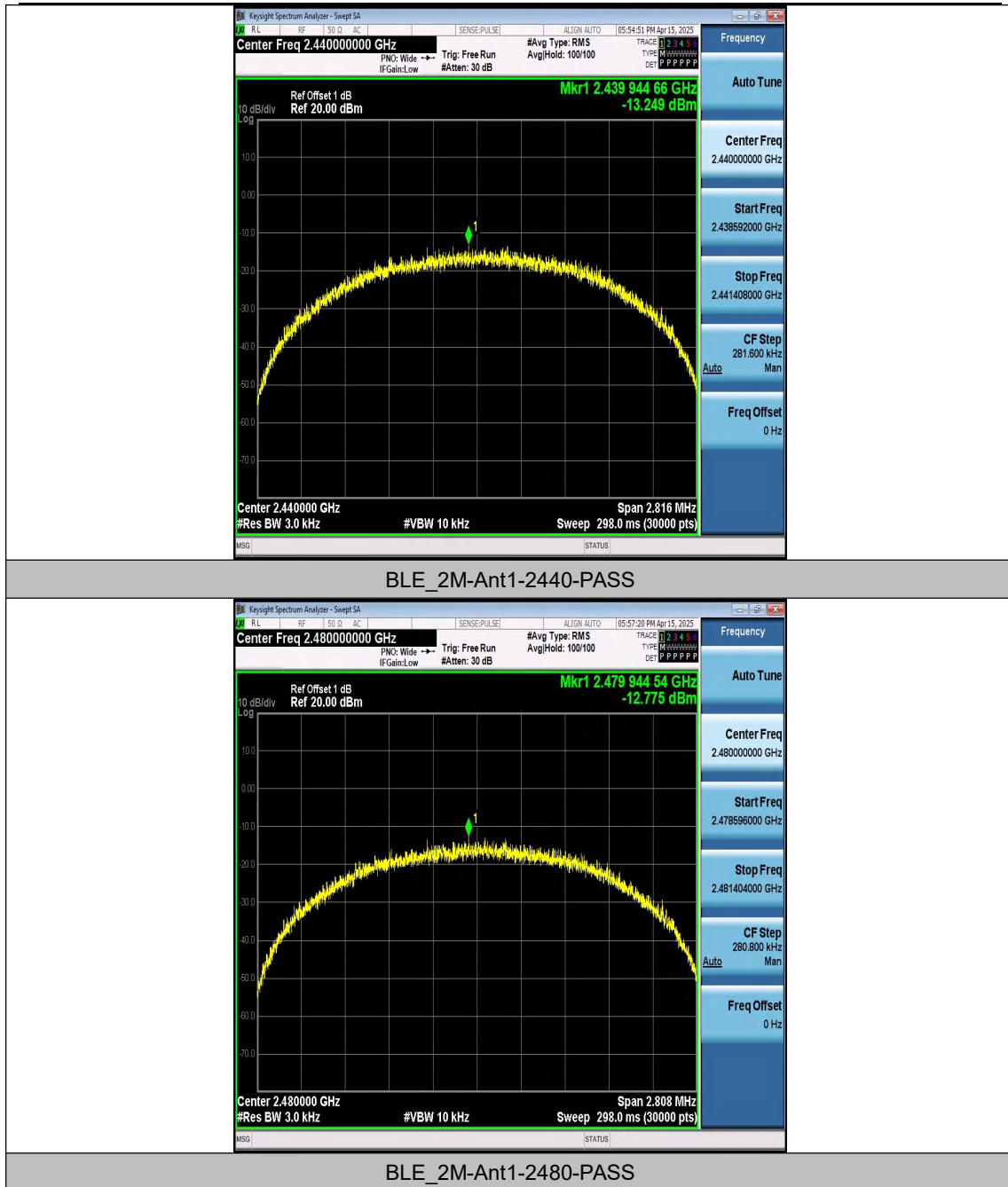
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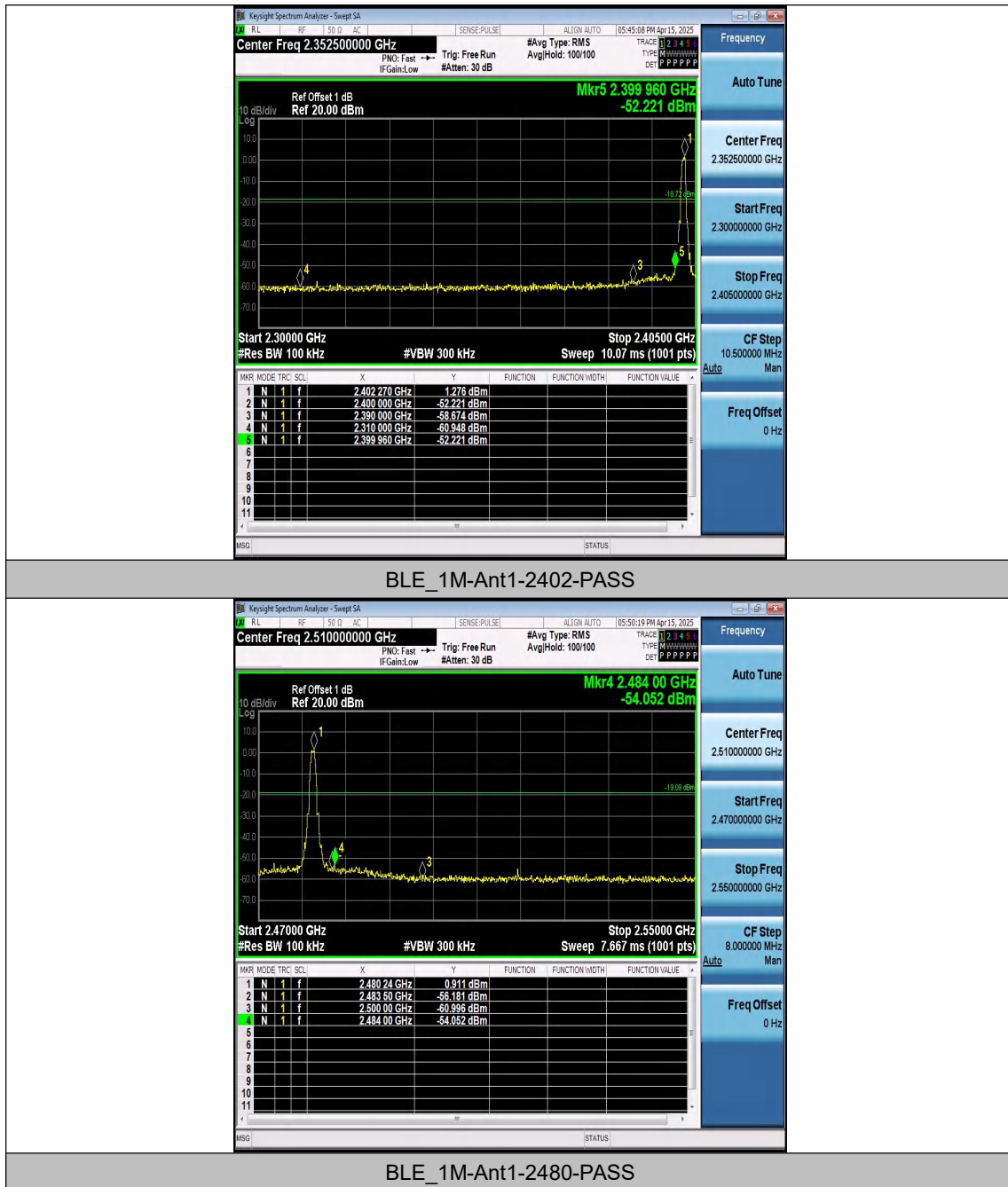
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.28	-52.22	≤-18.72	PASS
BLE_1M	Ant1	High	2480	0.91	-54.05	≤-19.09	PASS
BLE_2M	Ant1	Low	2402	0.17	-30.77	≤-19.83	PASS
BLE_2M	Ant1	High	2480	0.42	-52.23	≤-19.58	PASS

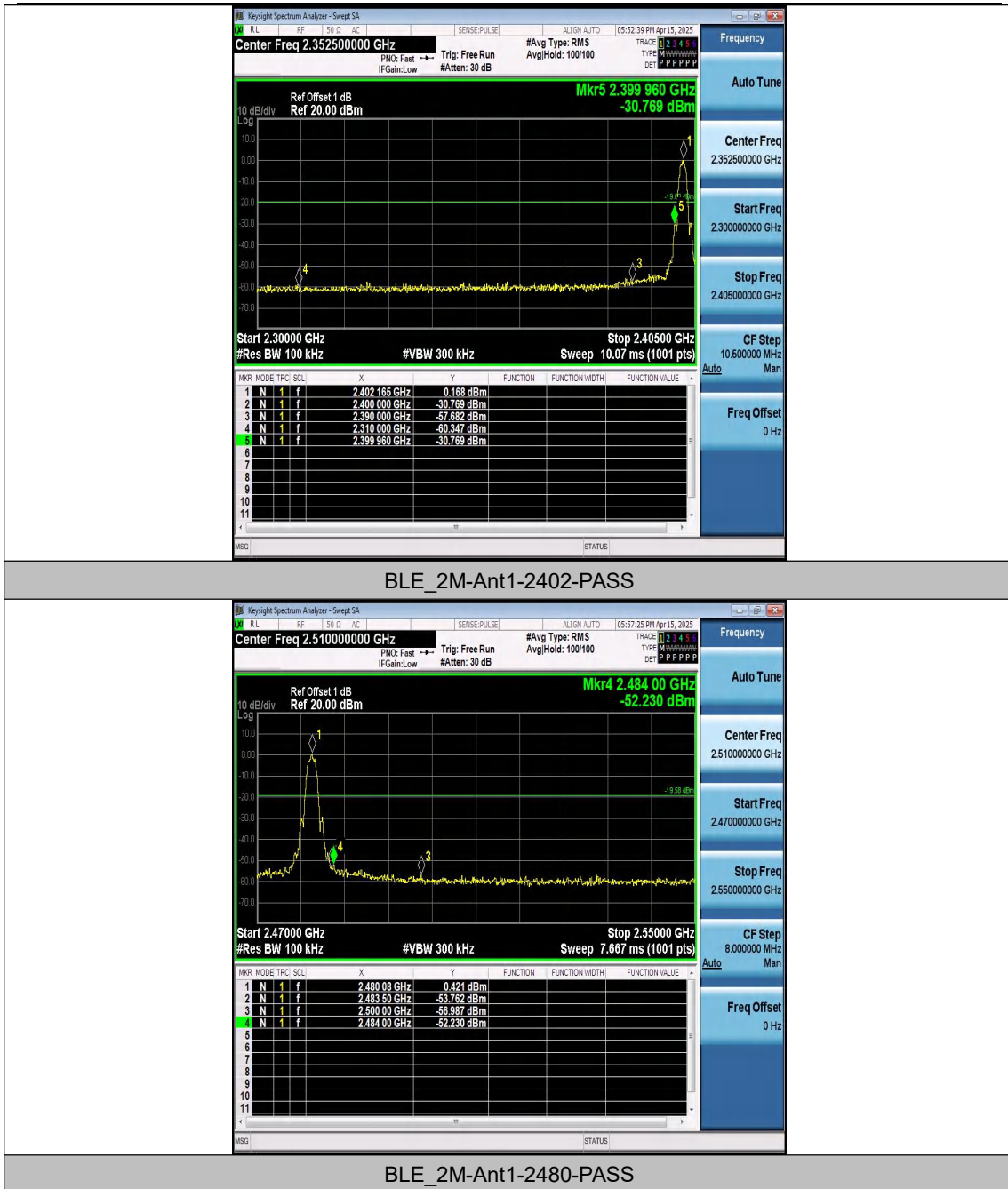
Test Graphs



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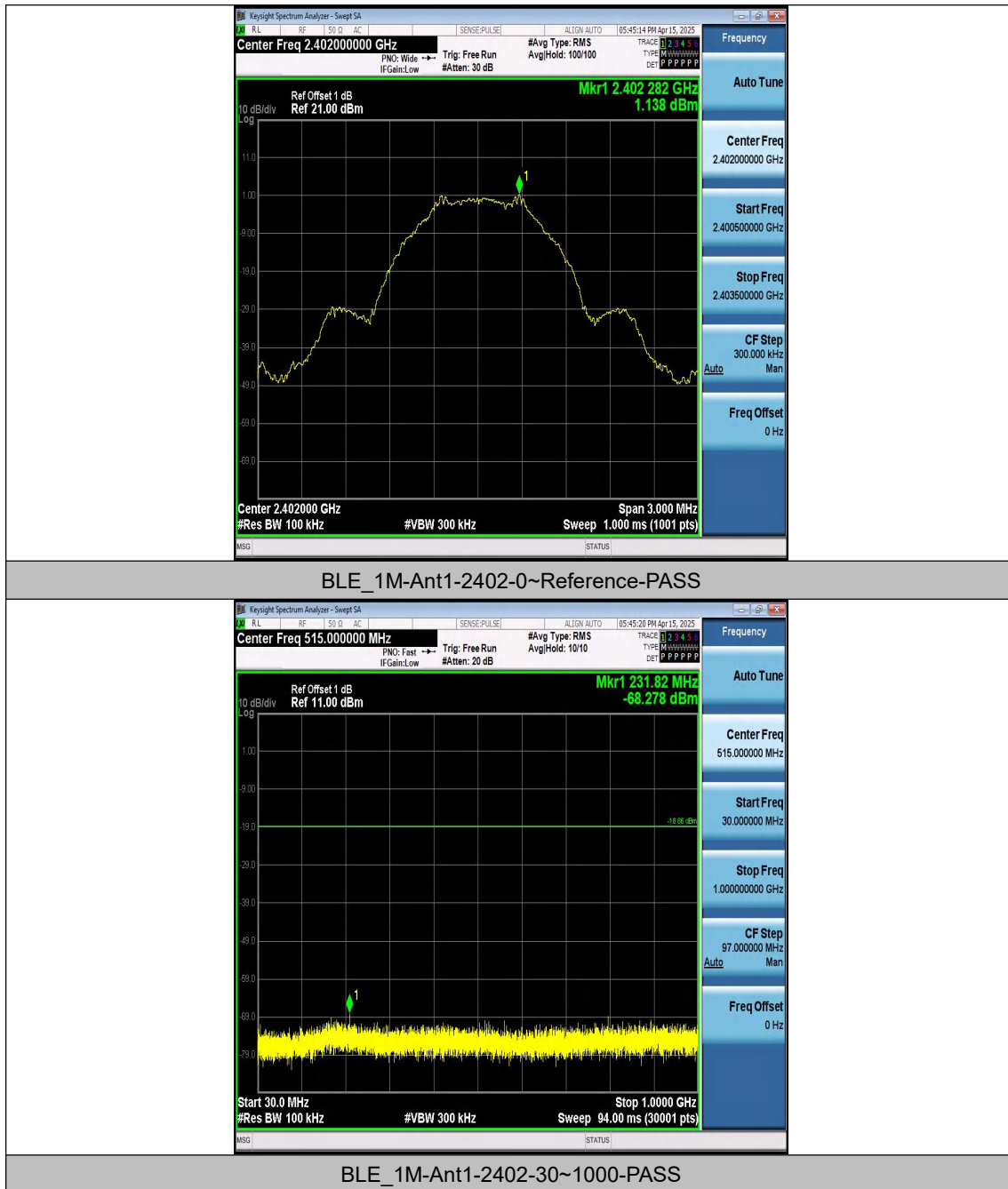
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.14	1.14	---	PASS
BLE_1M	Ant1	2402	30~1000	1.14	-68.28	≤-18.86	PASS
BLE_1M	Ant1	2402	1000~26500	1.14	-52.91	≤-18.86	PASS
BLE_1M	Ant1	2440	0~Reference	1.16	1.16	---	PASS
BLE_1M	Ant1	2440	30~1000	1.16	-68.82	≤-18.84	PASS
BLE_1M	Ant1	2440	1000~26500	1.16	-52.57	≤-18.84	PASS
BLE_1M	Ant1	2480	0~Reference	1.79	1.79	---	PASS
BLE_1M	Ant1	2480	30~1000	1.79	-64.36	≤-18.21	PASS
BLE_1M	Ant1	2480	1000~26500	1.79	-51.7	≤-18.21	PASS
BLE_2M	Ant1	2402	0~Reference	-0.51	-0.51	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.51	-60.8	≤-20.51	PASS
BLE_2M	Ant1	2402	1000~26500	-0.51	-53.3	≤-20.51	PASS
BLE_2M	Ant1	2440	0~Reference	-0.80	-0.80	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.80	-69.06	≤-20.8	PASS
BLE_2M	Ant1	2440	1000~26500	-0.80	-52.53	≤-20.8	PASS
BLE_2M	Ant1	2480	0~Reference	-0.16	-0.16	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.16	-61.01	≤-20.16	PASS
BLE_2M	Ant1	2480	1000~26500	-0.16	-52.89	≤-20.16	PASS

Test Graphs



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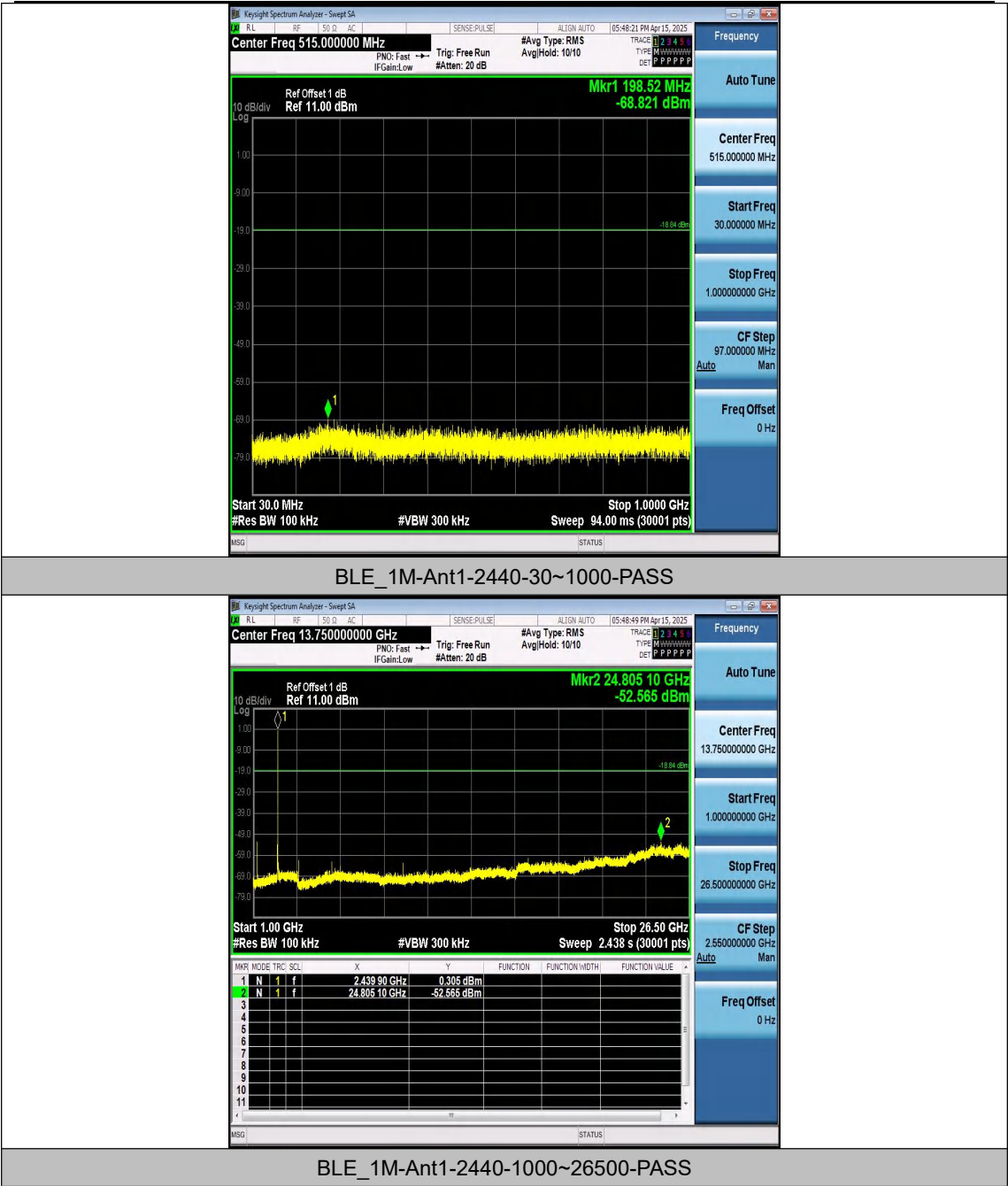
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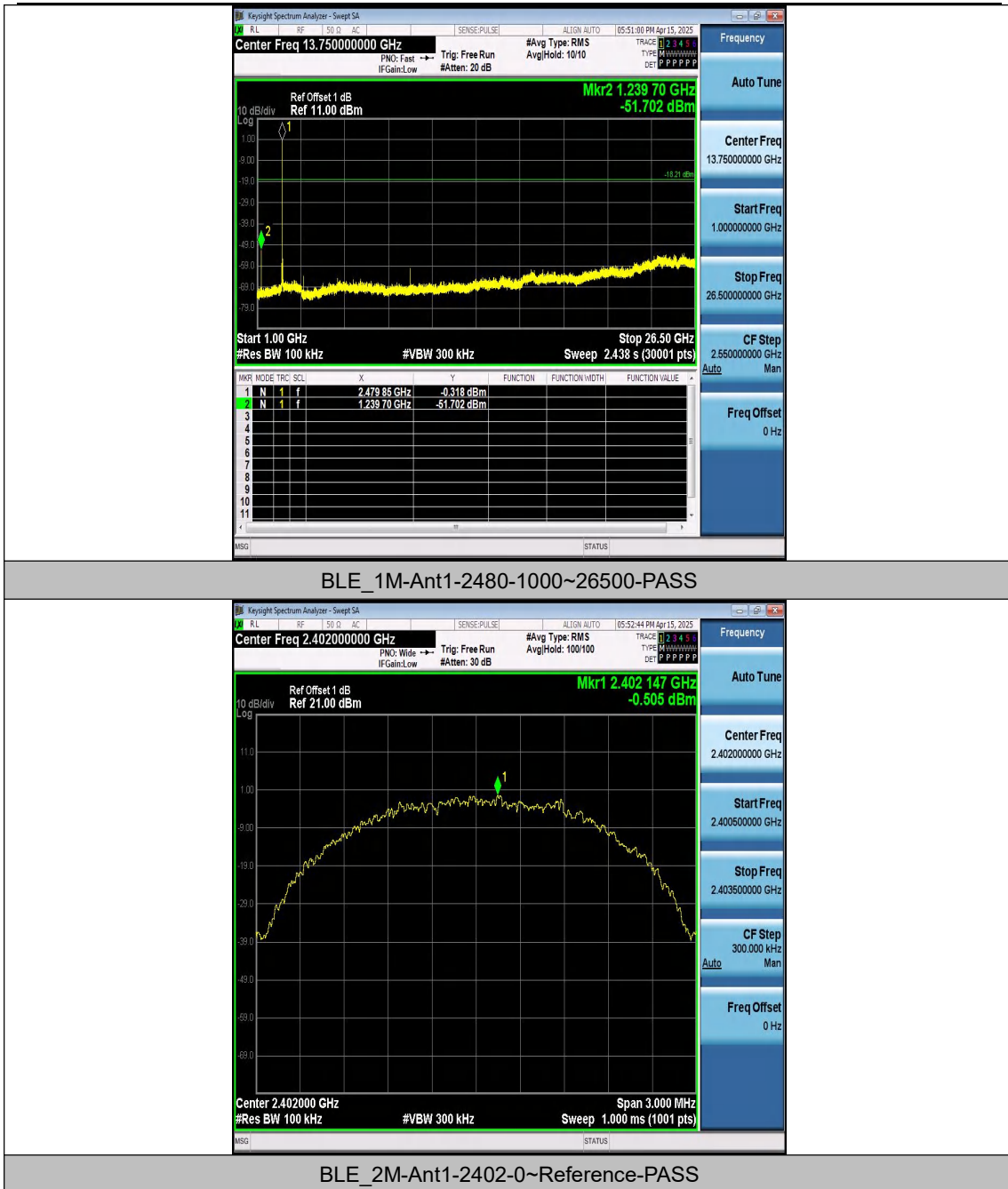
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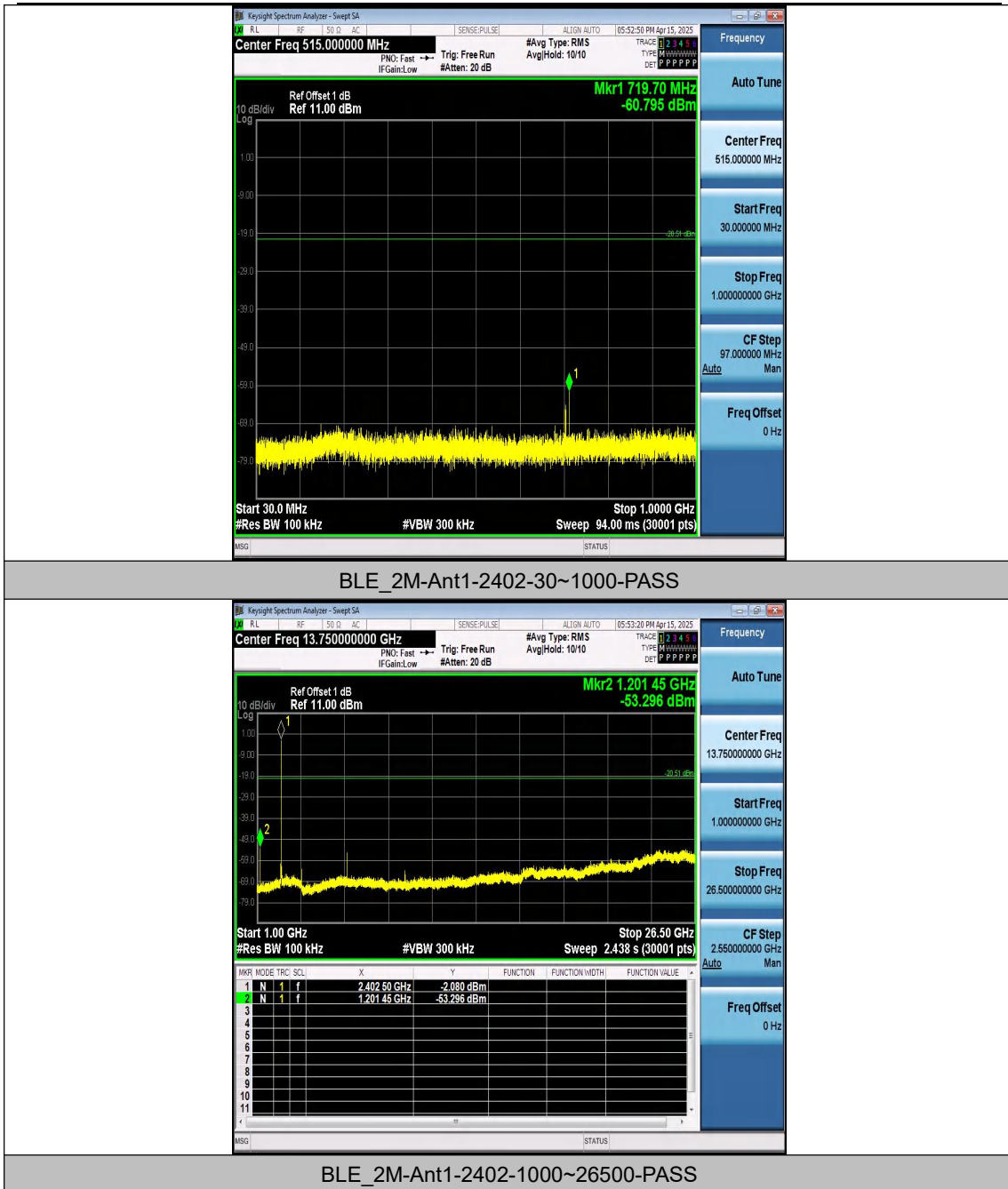
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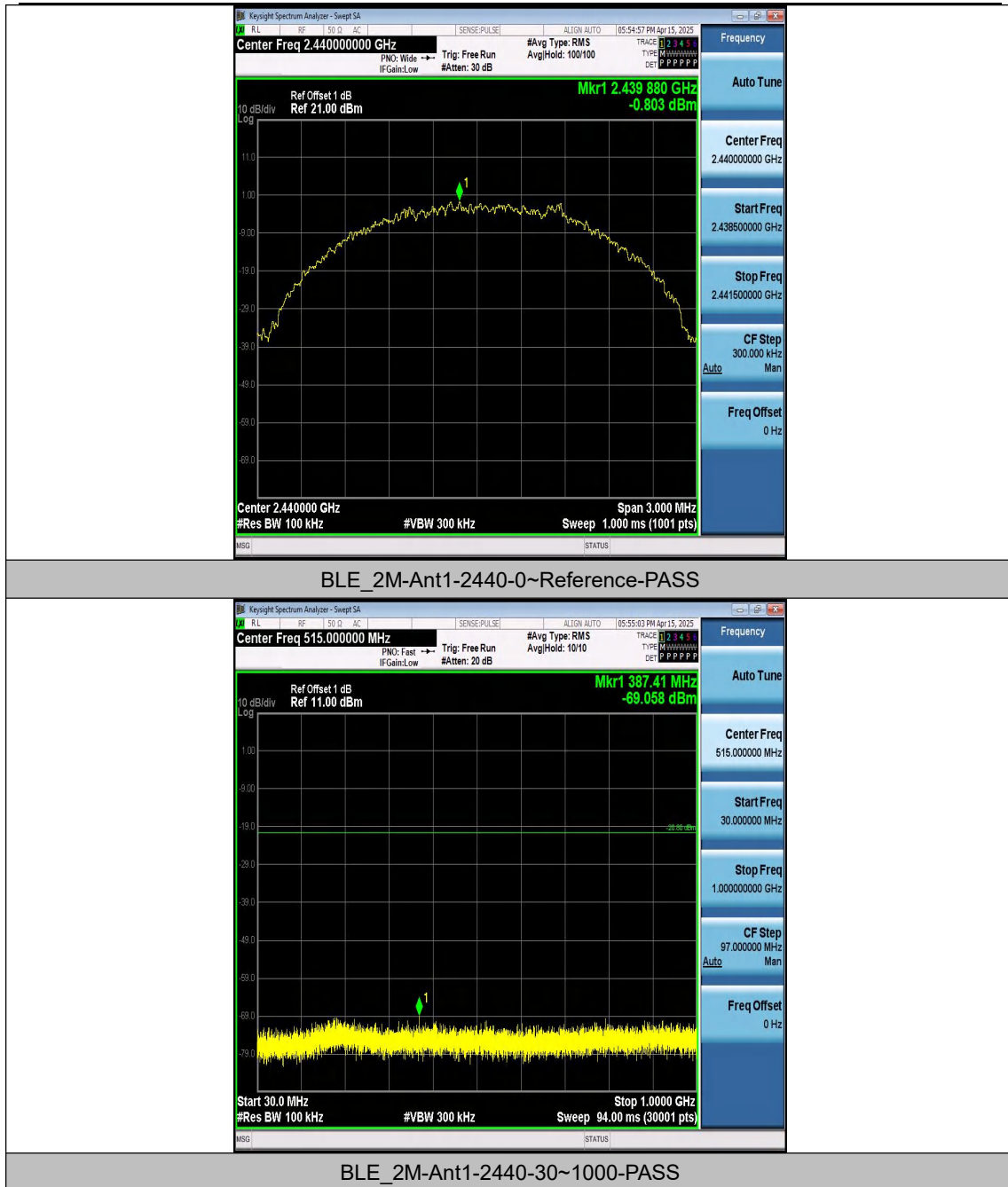
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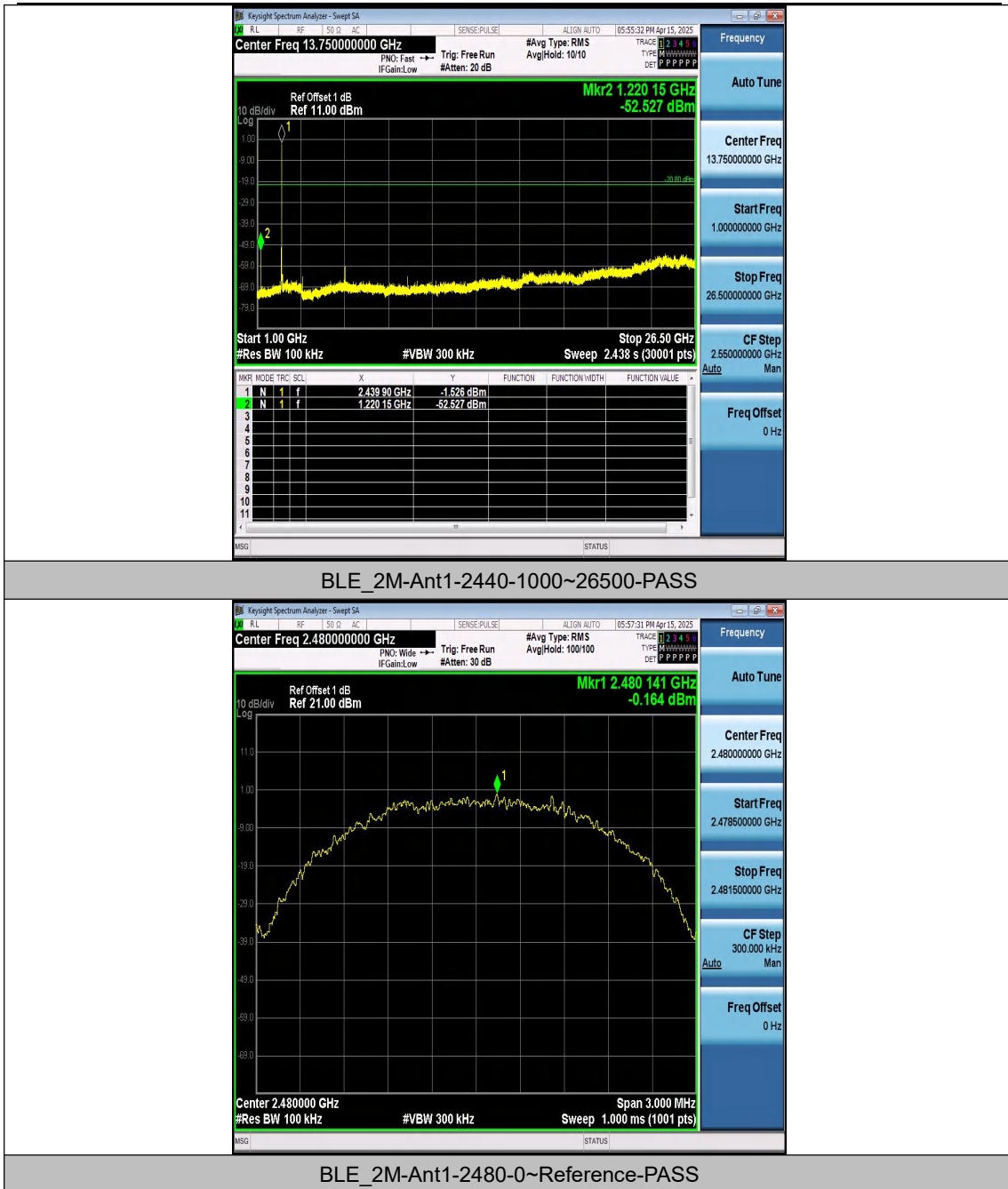
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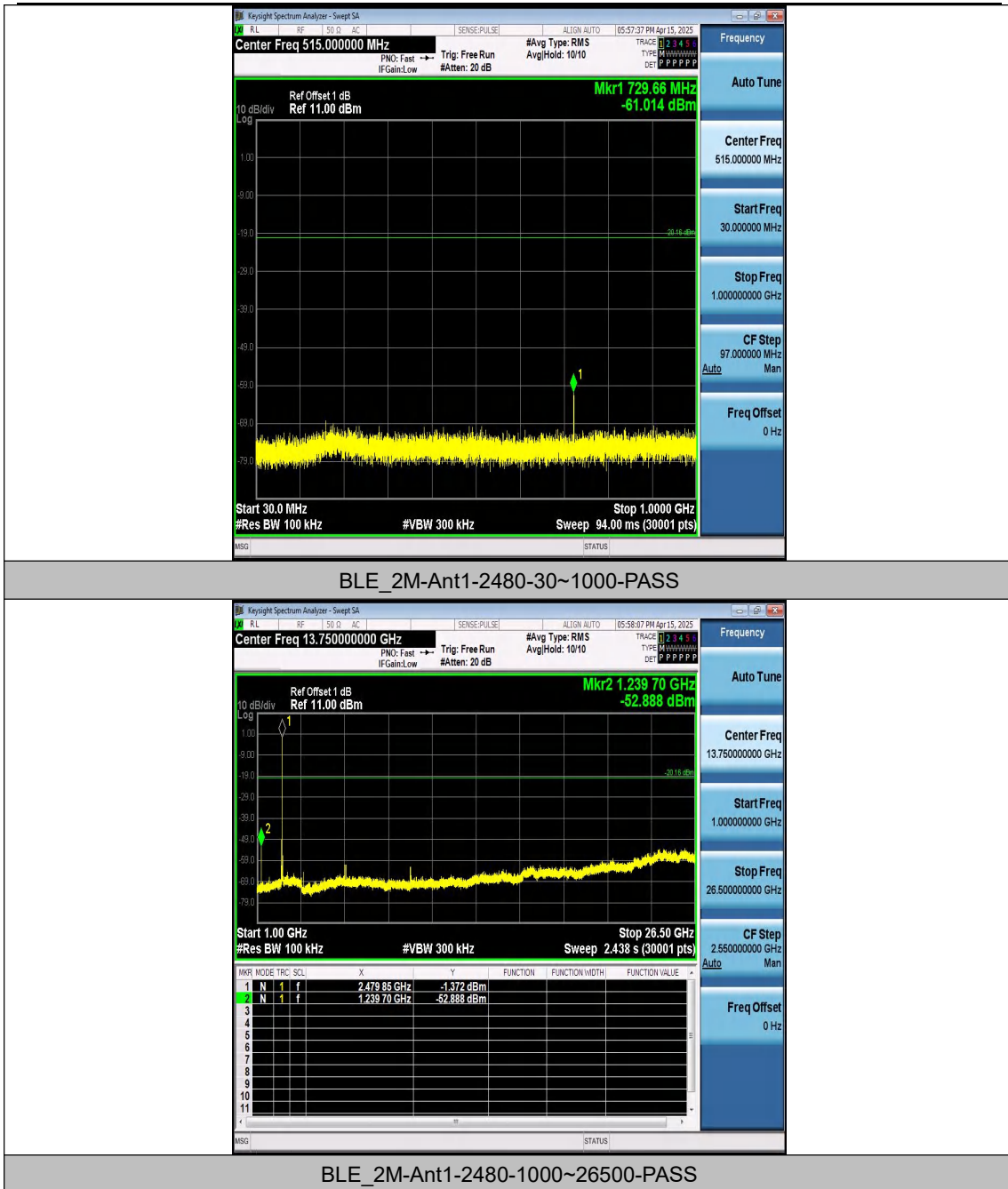
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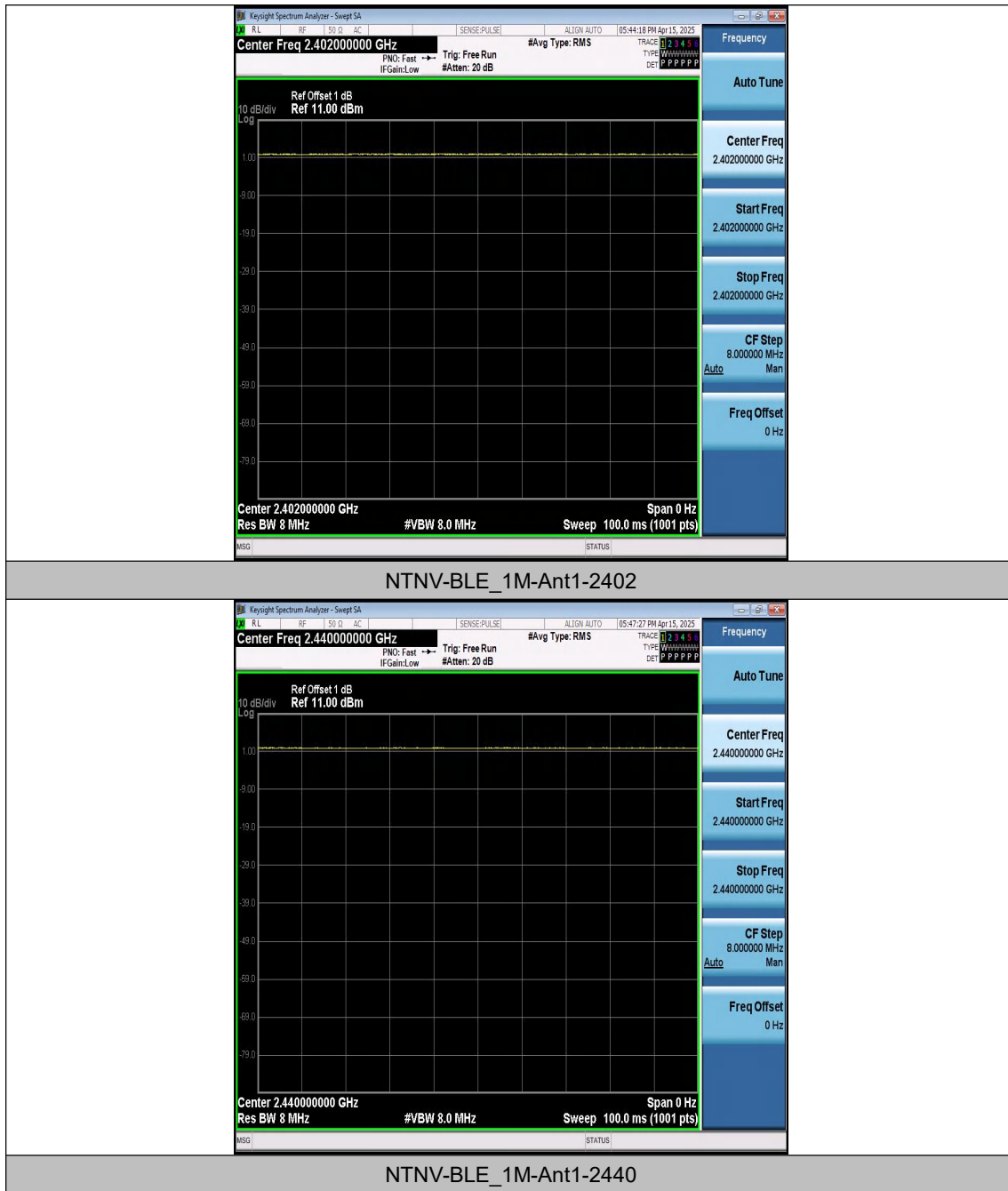
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Appendix G: Duty Cycle

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	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2480	100.00	100.00	100.00	0.00

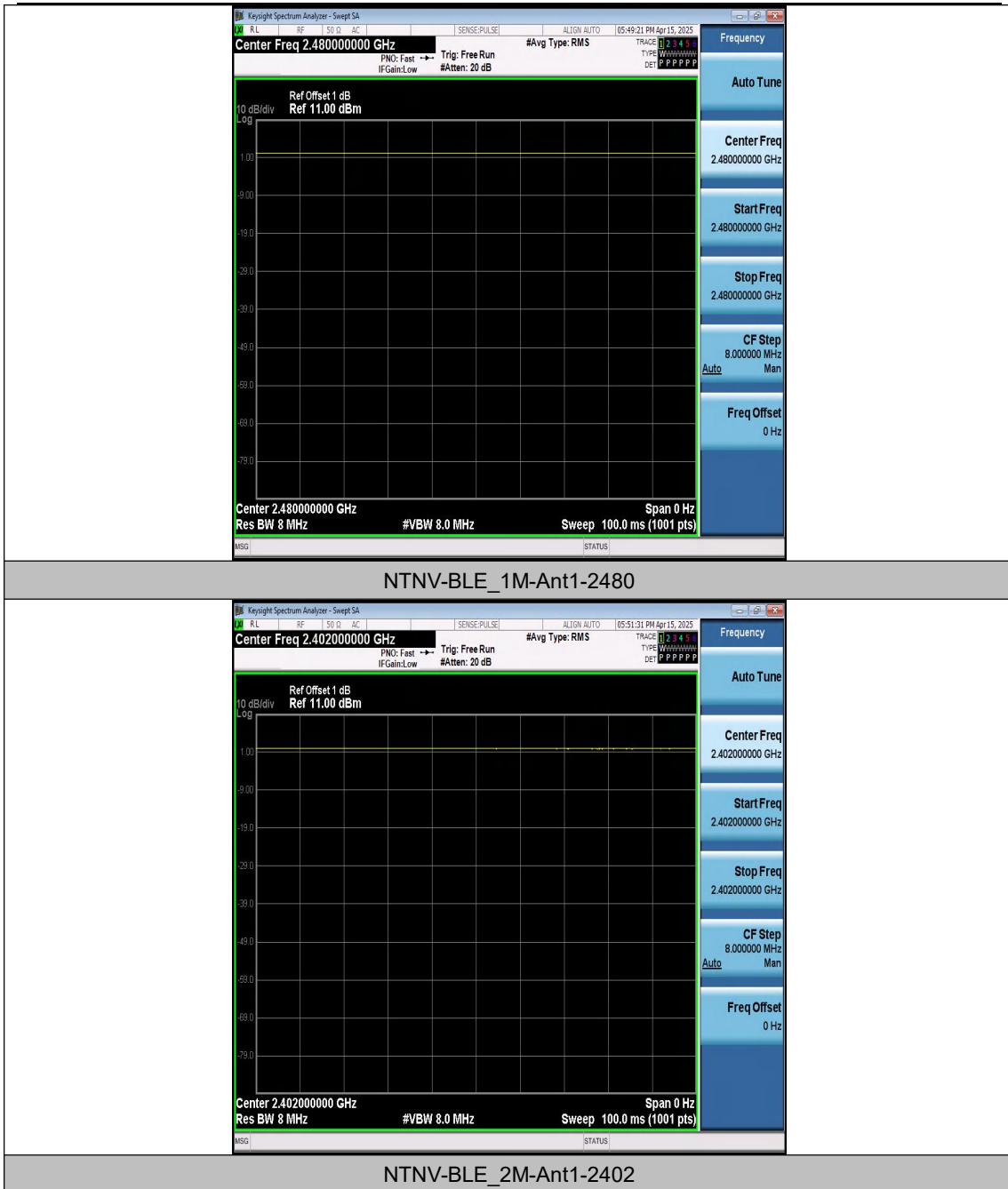
Test Graphs



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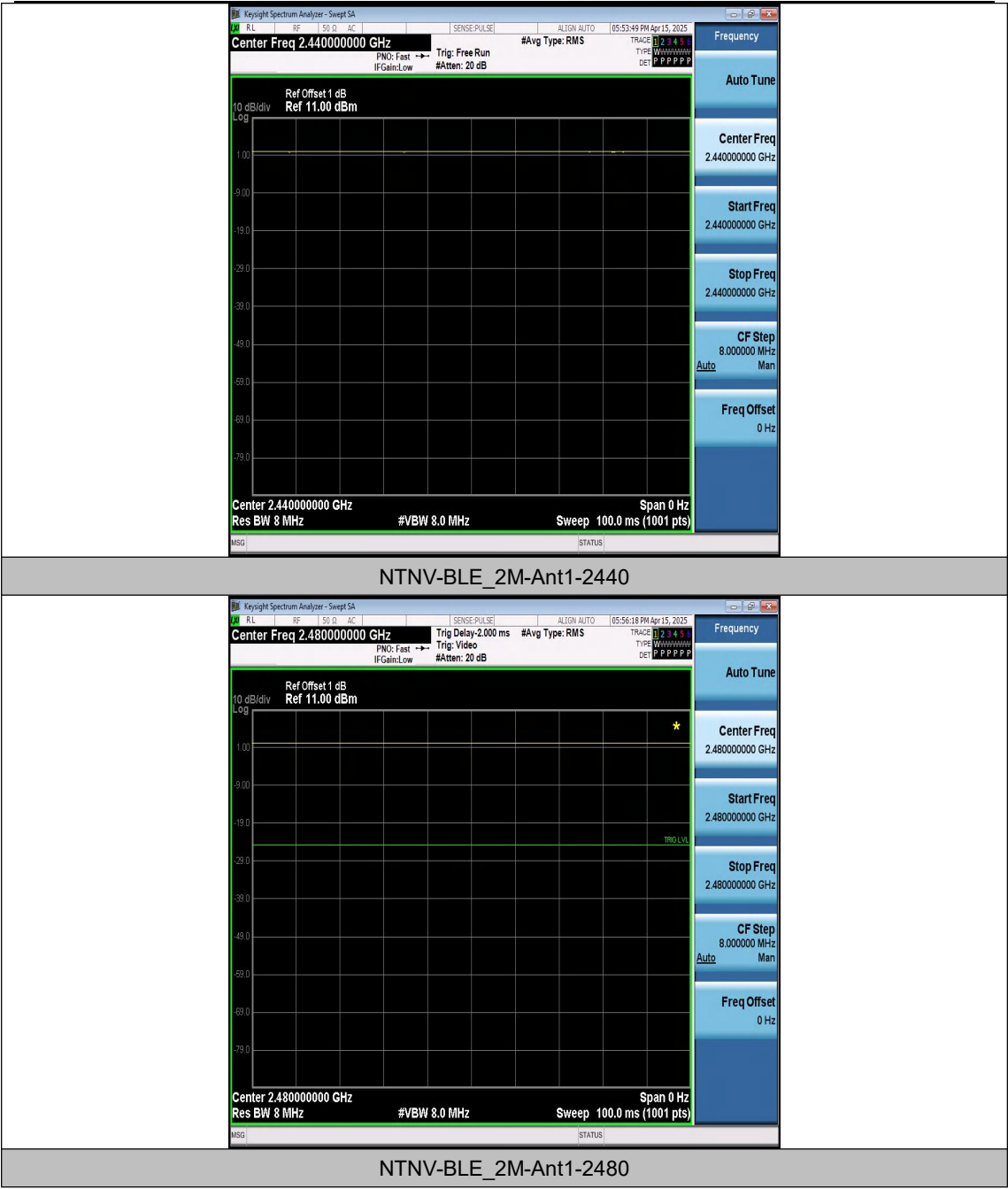
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