

Appendix Test Data

Report No.:	1812C50673812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-23	Finish Test Date:	2025-12-23
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	20.5°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	0.696	2401.656	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.656	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.676	2479.664	2480.340	0.5	PASS

Test Graphs



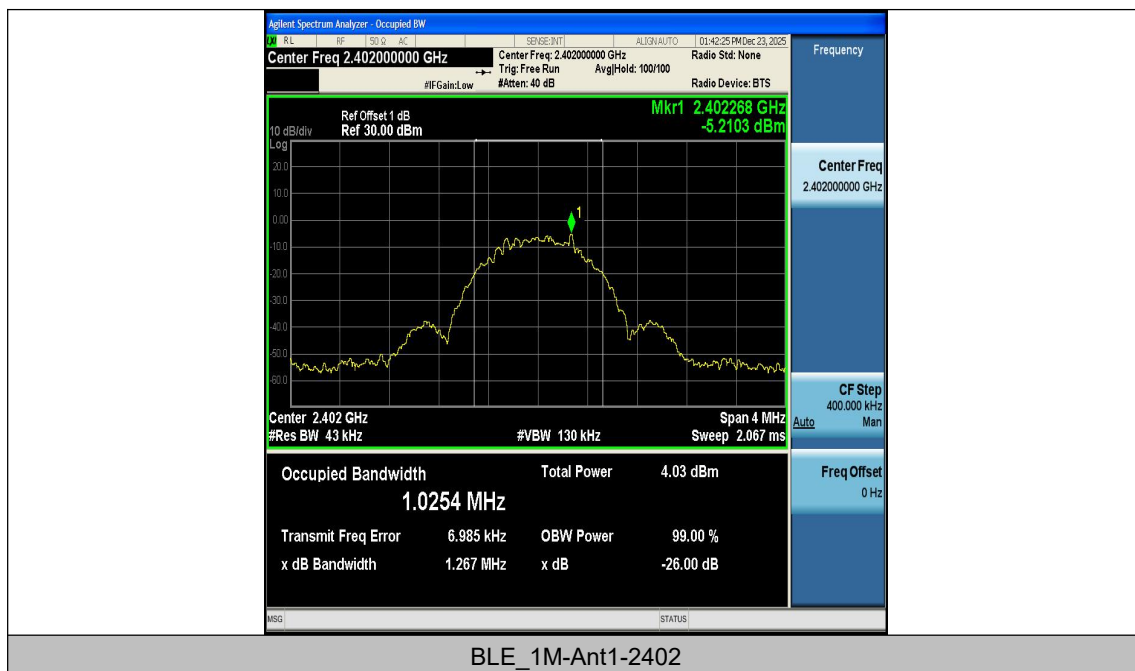


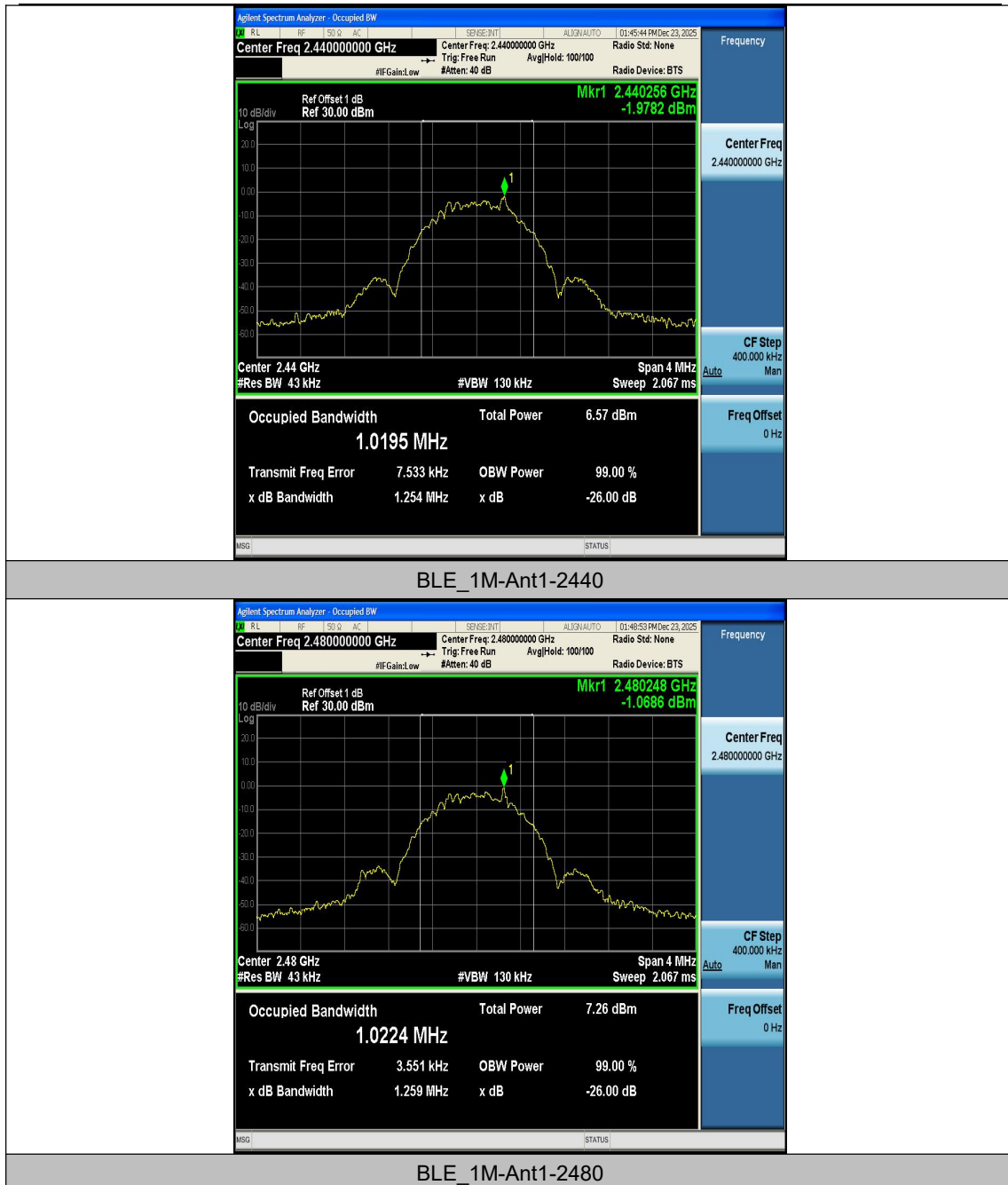
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0254	2401.4943	2402.5197	---	---
BLE_1M	Ant1	2440	1.0195	2439.4978	2440.5173	---	---
BLE_1M	Ant1	2480	1.0224	2479.4924	2480.5148	---	---

Test Graphs



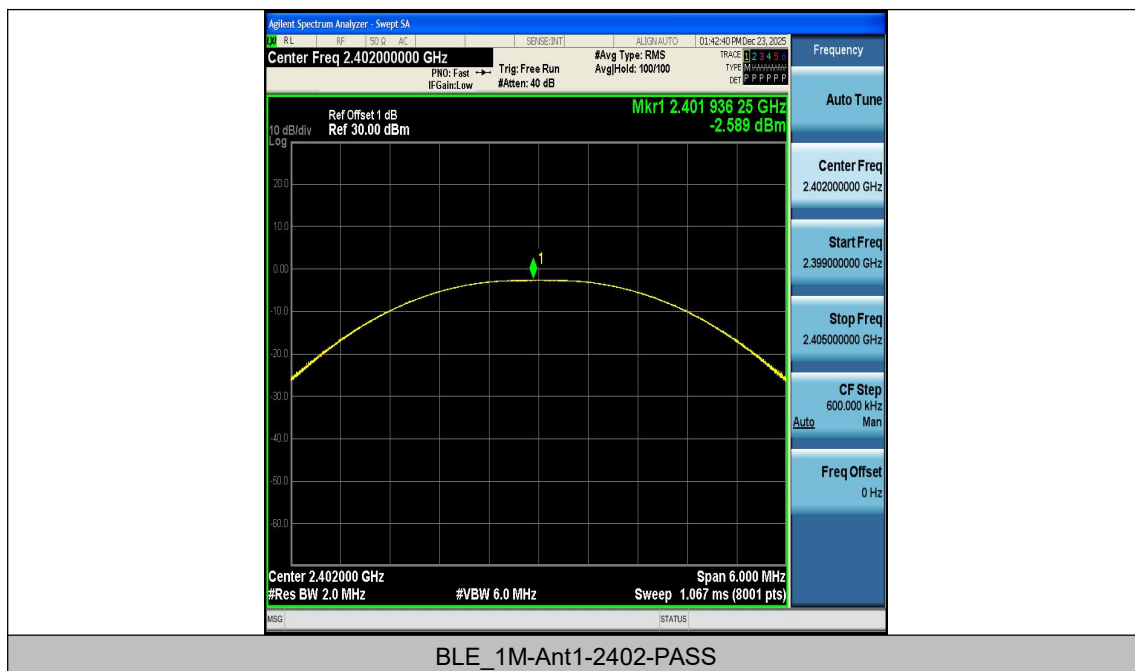


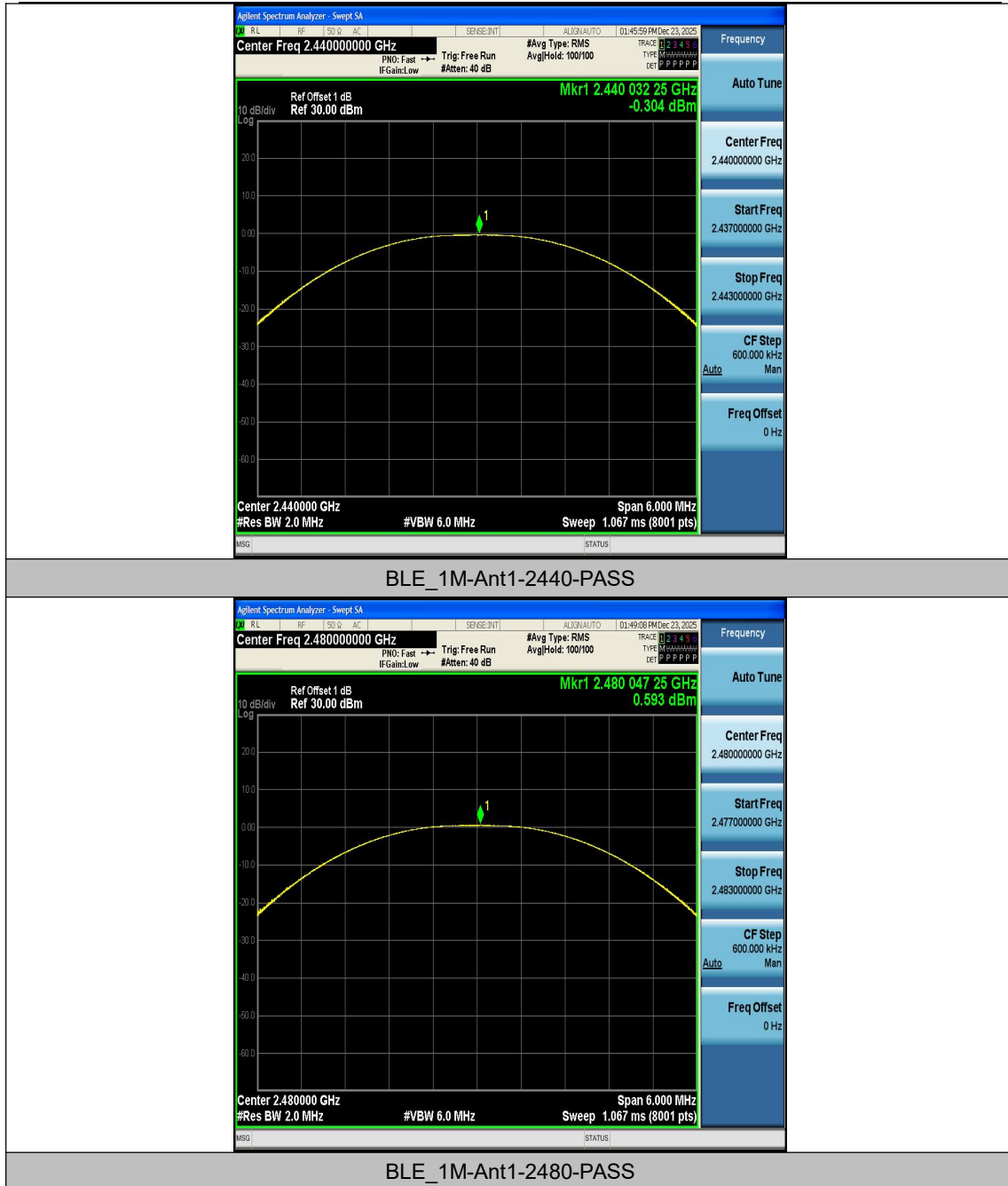
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.59	≤30	PASS
BLE_1M	Ant1	2440	-0.30	≤30	PASS
BLE_1M	Ant1	2480	0.59	≤30	PASS

Test Graphs Peak





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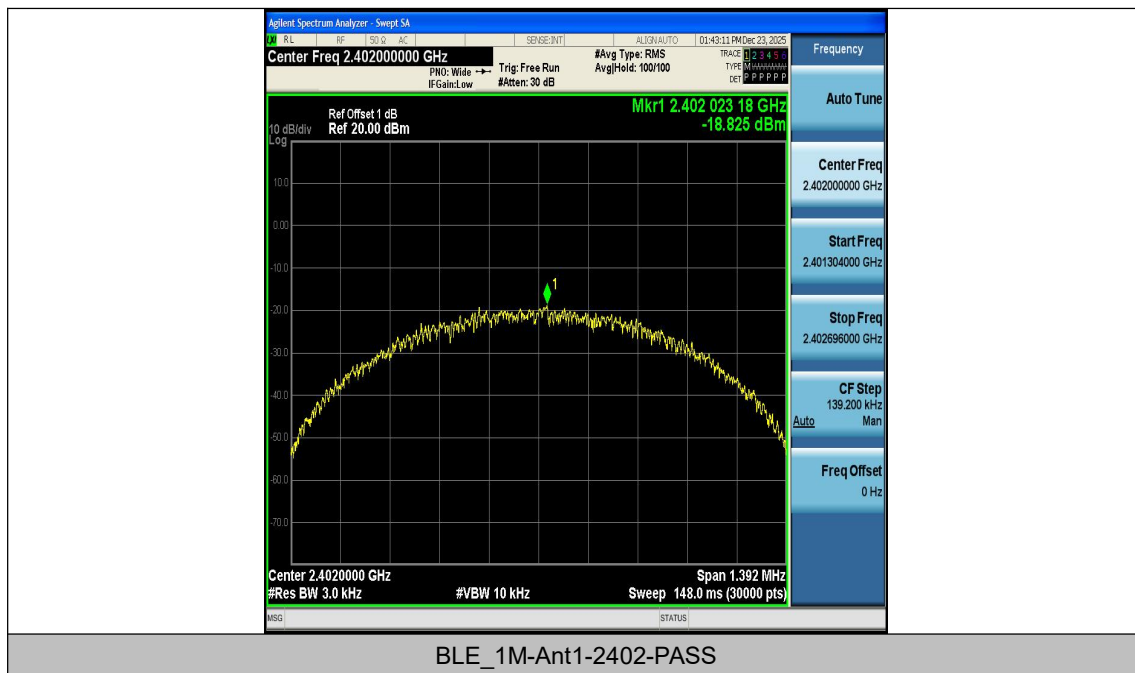
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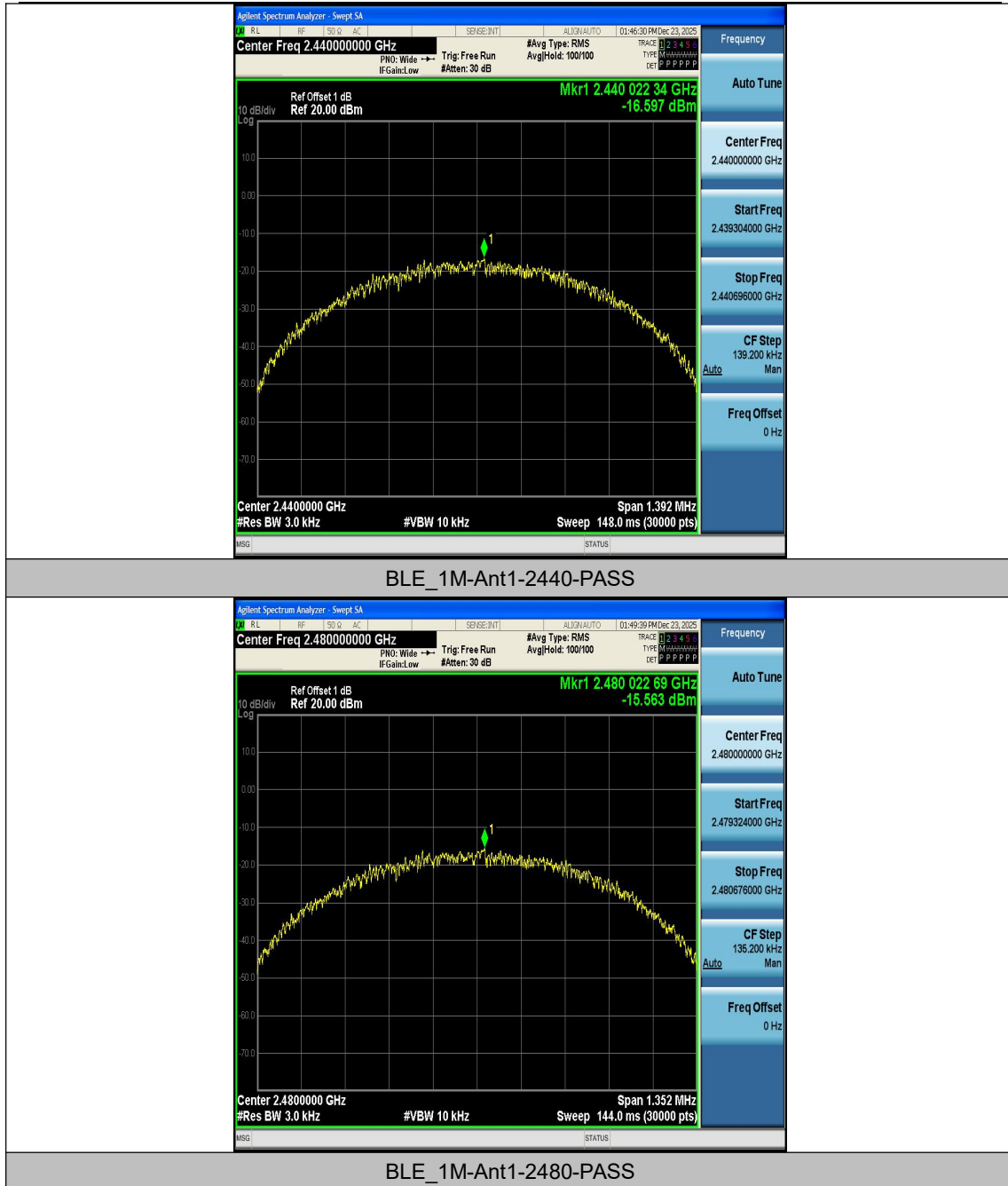
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.83	≤8.00	PASS
BLE_1M	Ant1	2440	-16.60	≤8.00	PASS
BLE_1M	Ant1	2480	-15.56	≤8.00	PASS

Test Graphs





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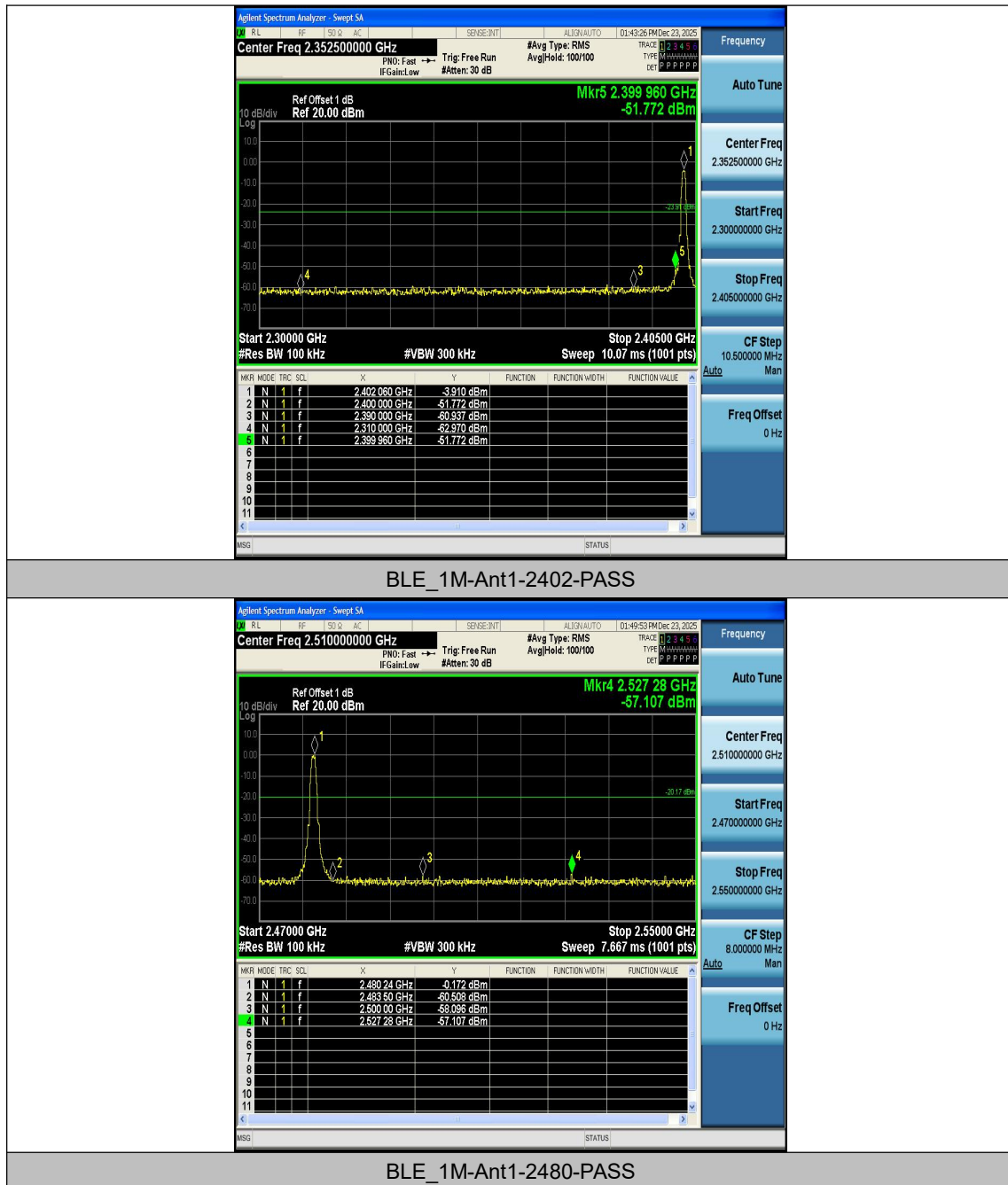
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.91	-51.77	≤-23.91	PASS
BLE_1M	Ant1	High	2480	-0.17	-57.11	≤-20.17	PASS

Test Graphs



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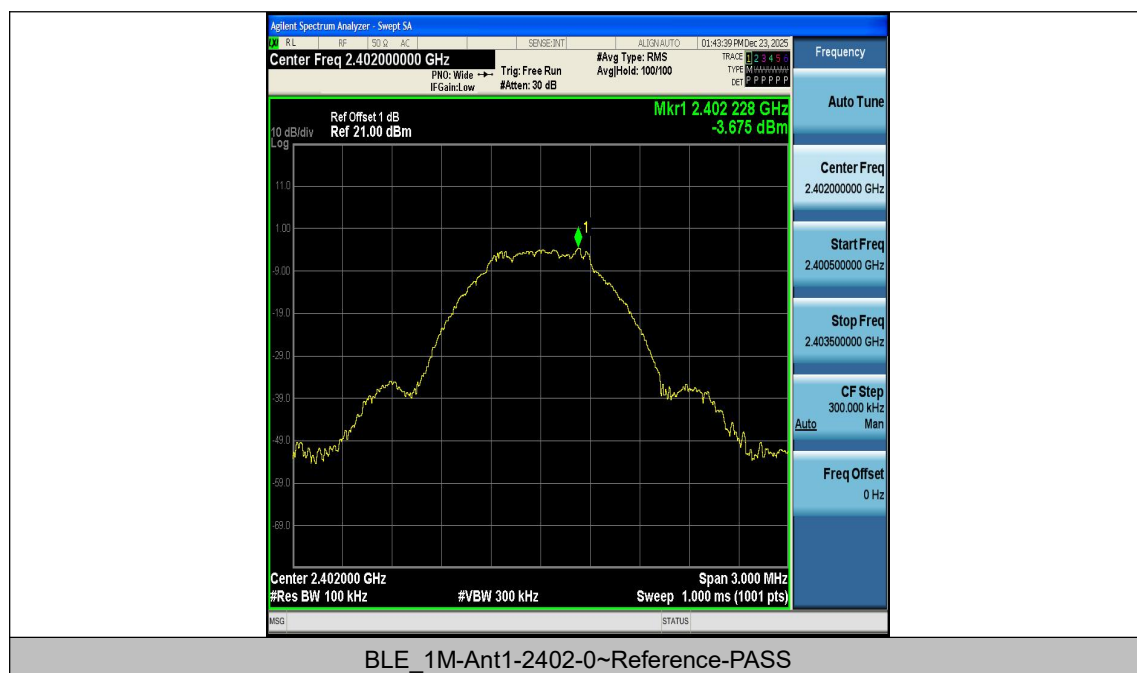
Appendix F: Conducted Spurious Emission

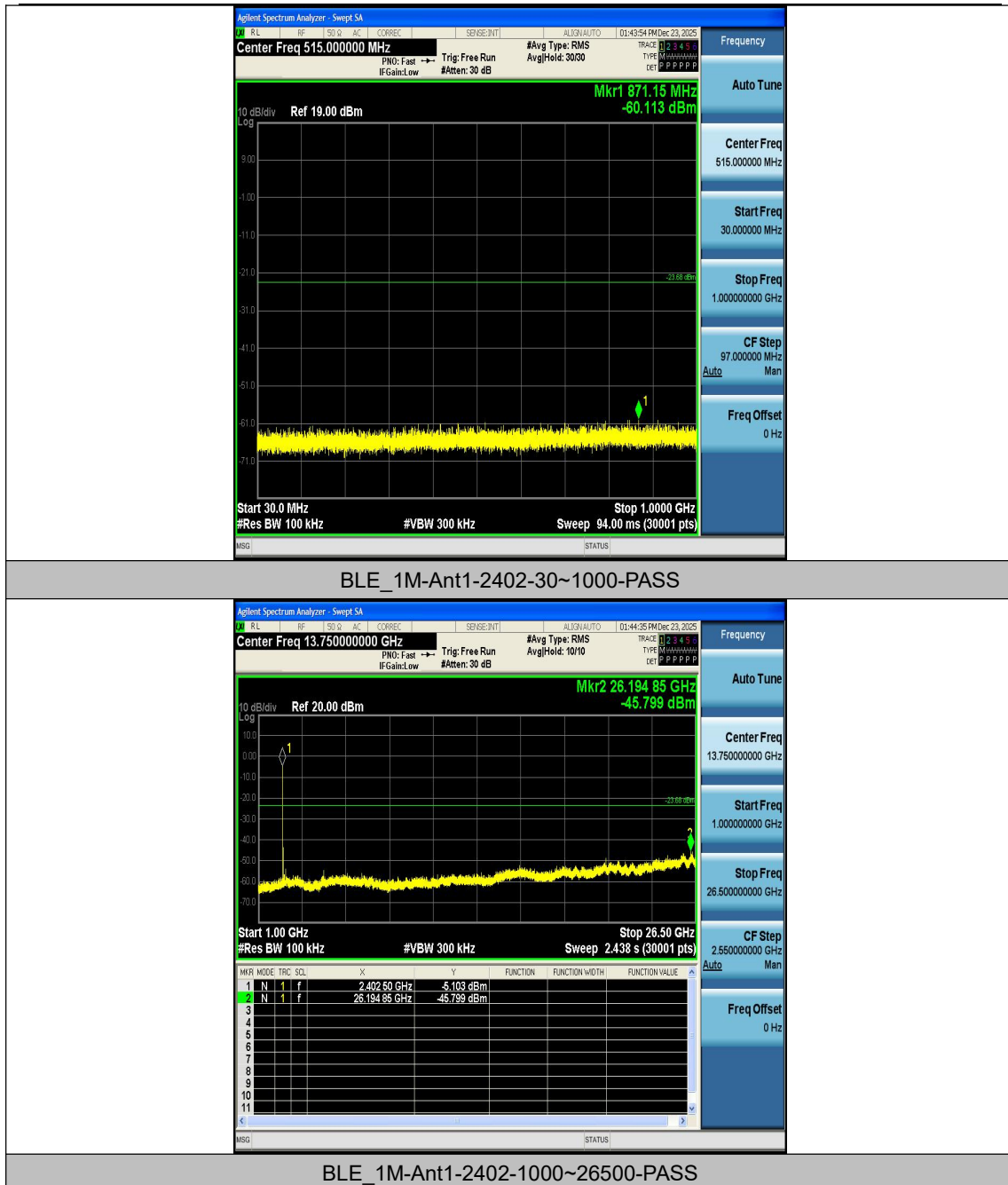
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.68	-3.68	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.68	-60.11	≤-23.68	PASS
BLE_1M	Ant1	2402	1000~26500	-3.68	-45.8	≤-23.68	PASS
BLE_1M	Ant1	2440	0~Reference	-0.59	-0.59	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.59	-60	≤-20.59	PASS
BLE_1M	Ant1	2440	1000~26500	-0.59	-45.61	≤-20.59	PASS
BLE_1M	Ant1	2480	0~Reference	0.31	0.31	---	PASS
BLE_1M	Ant1	2480	30~1000	0.31	-59.66	≤-19.69	PASS
BLE_1M	Ant1	2480	1000~26500	0.31	-46.1	≤-19.69	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

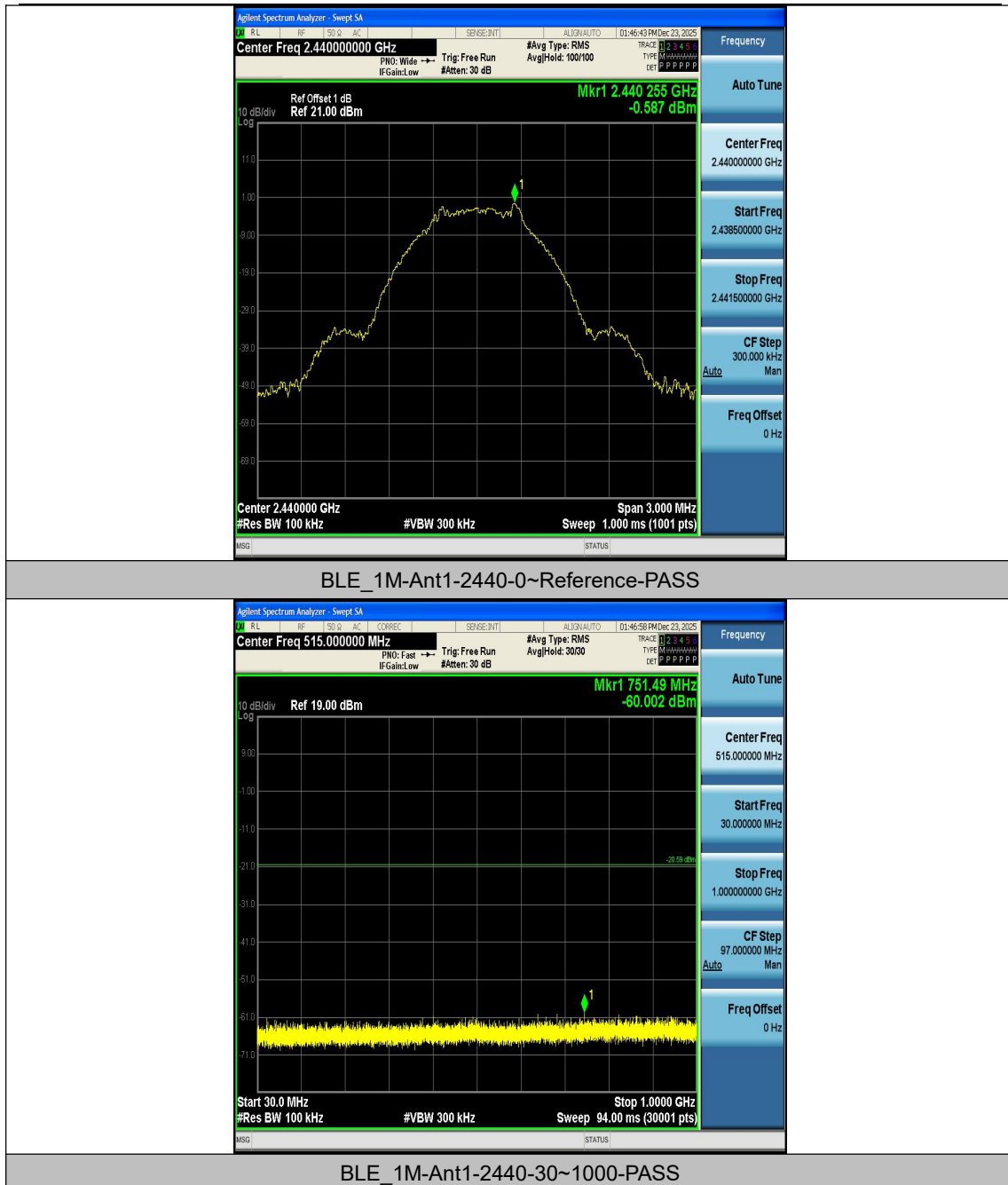




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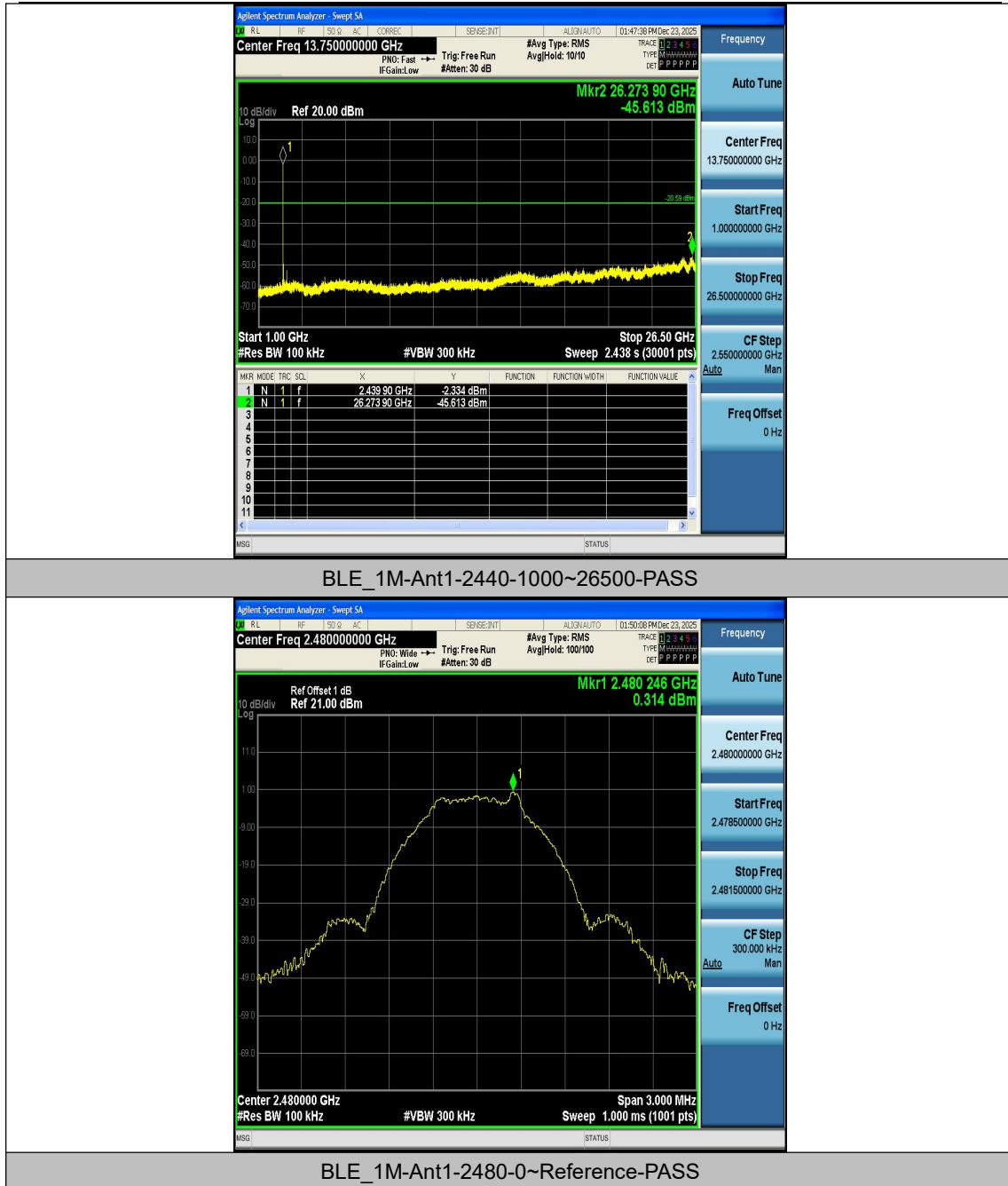
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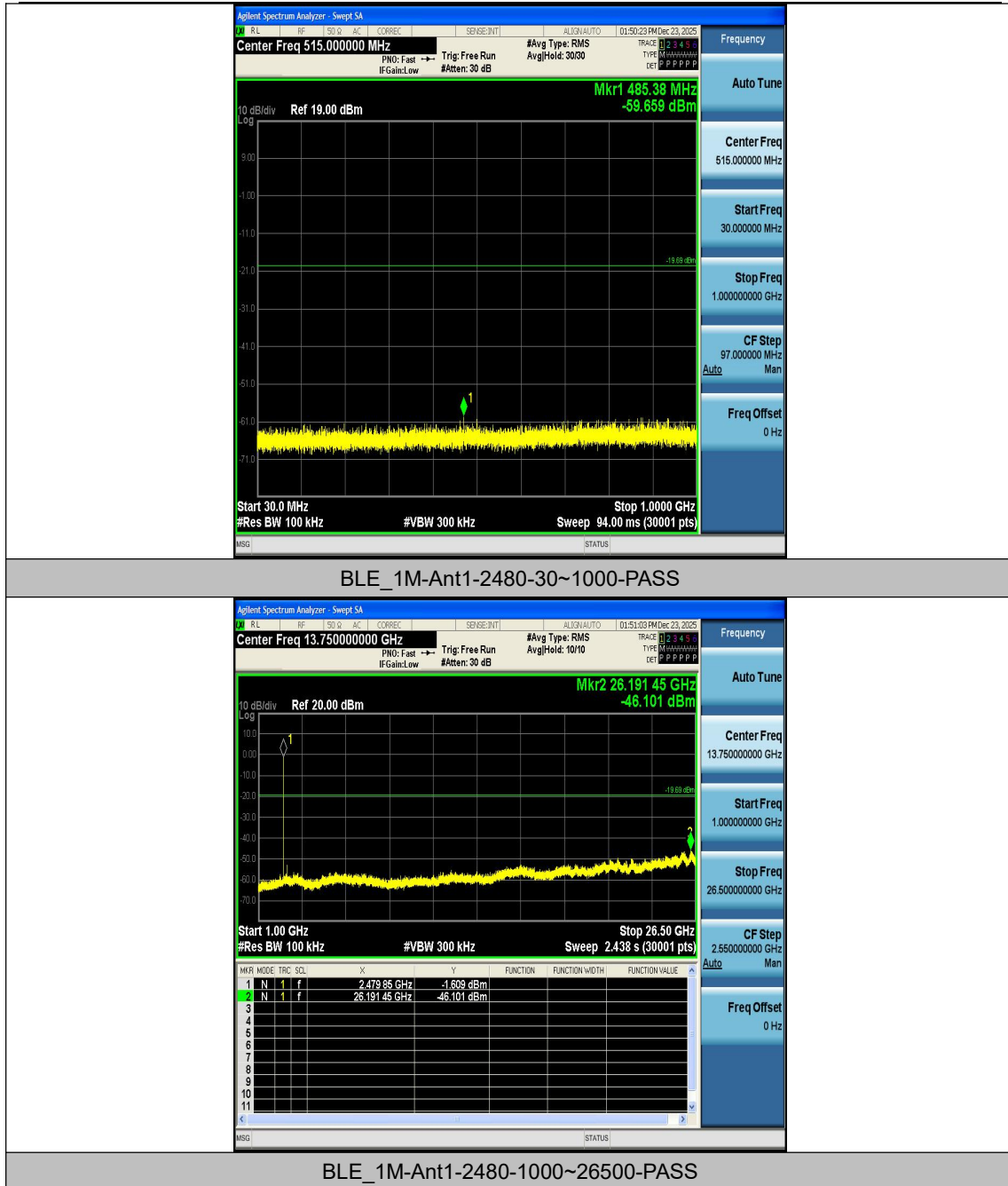
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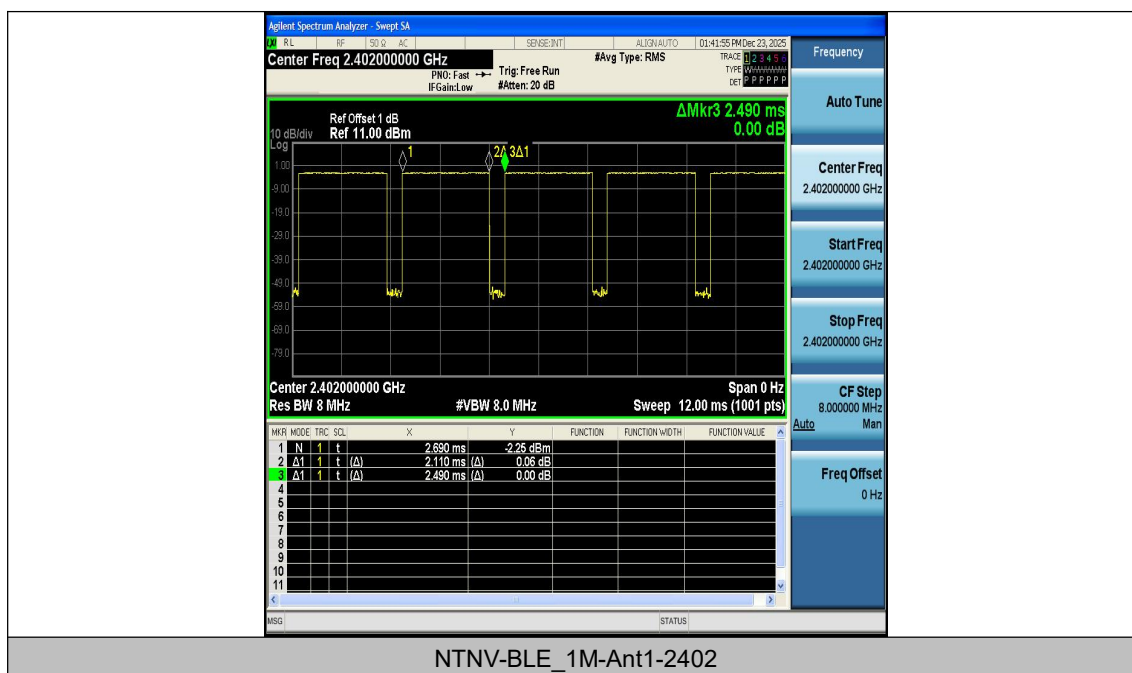
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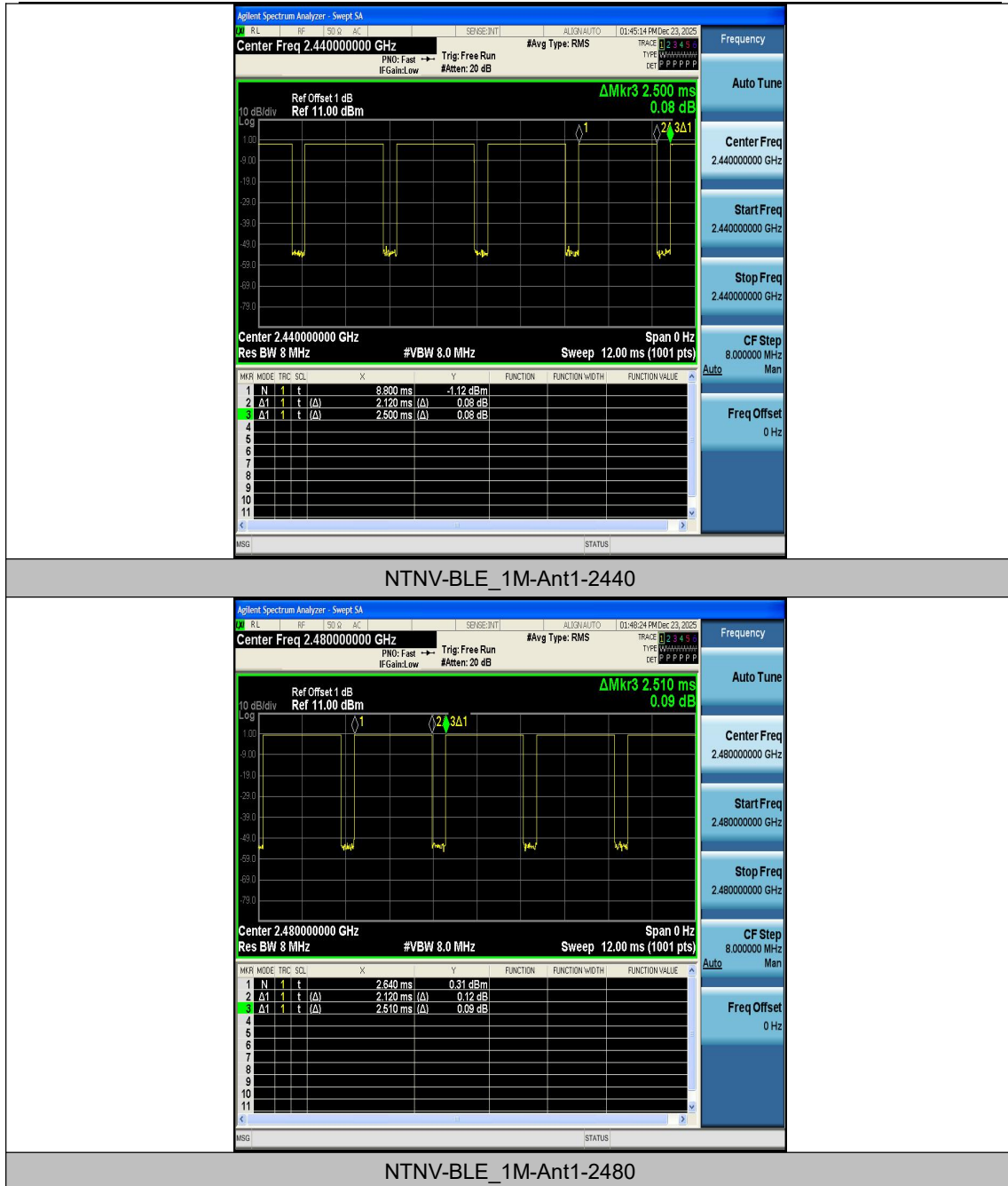
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.11	2.49	84.74	0.72
BLE_1M	Ant1	2440	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2480	2.12	2.51	84.46	0.73

Test Graphs





---End---