

Appendix Test Data

Report No.:	1812C50401412501	Test Sample No.:	1-2-2
Start Test Date:	2025-08-18	Finish Test Date:	2025-08-18
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	Relative Humidity:	55%
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	0.660	2401.672	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.680	2439.668	2440.348	0.5	PASS
BLE_1M	Ant1	2480	0.660	2479.684	2480.344	0.5	PASS

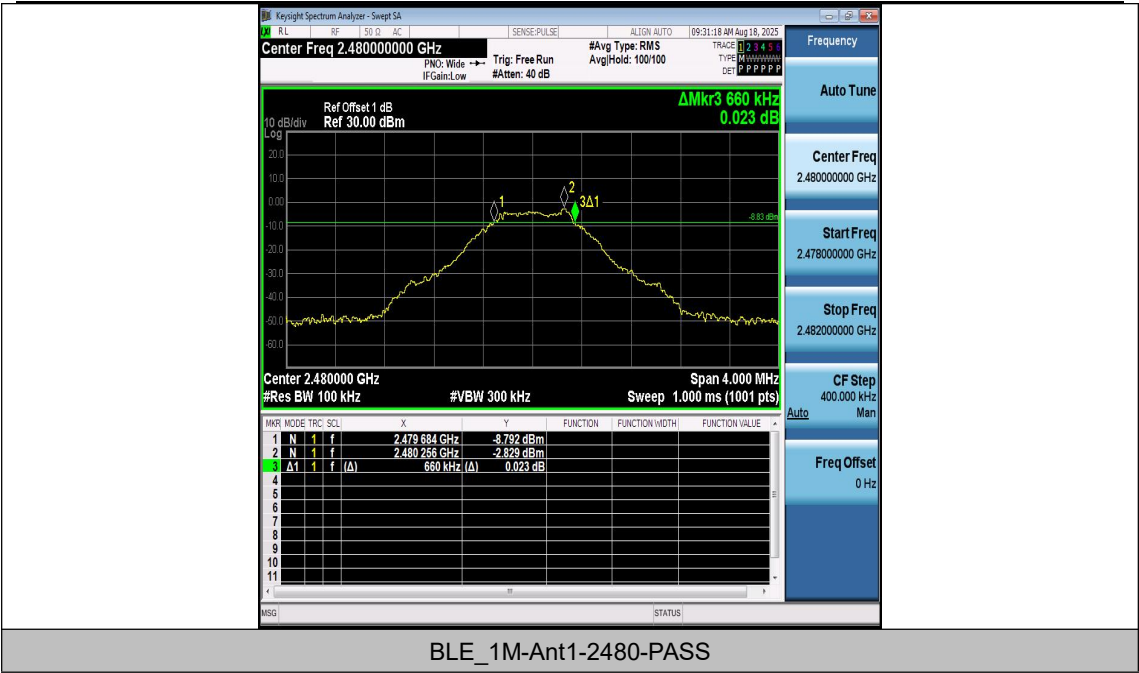
Test Graphs



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BLE_1M-Ant1-2480-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	1.0701	2401.4749	2402.5450	---	---
BLE_1M	Ant1	2440	1.0831	2439.4701	2440.5532	---	---
BLE_1M	Ant1	2480	1.0694	2479.4683	2480.5377	---	---

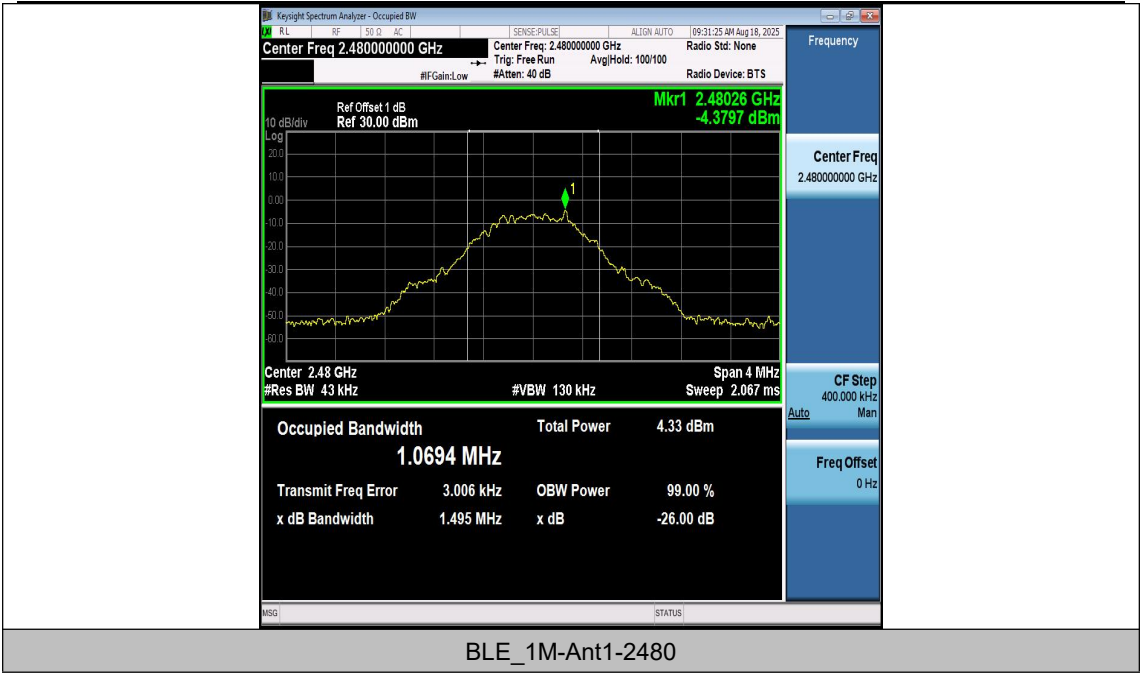
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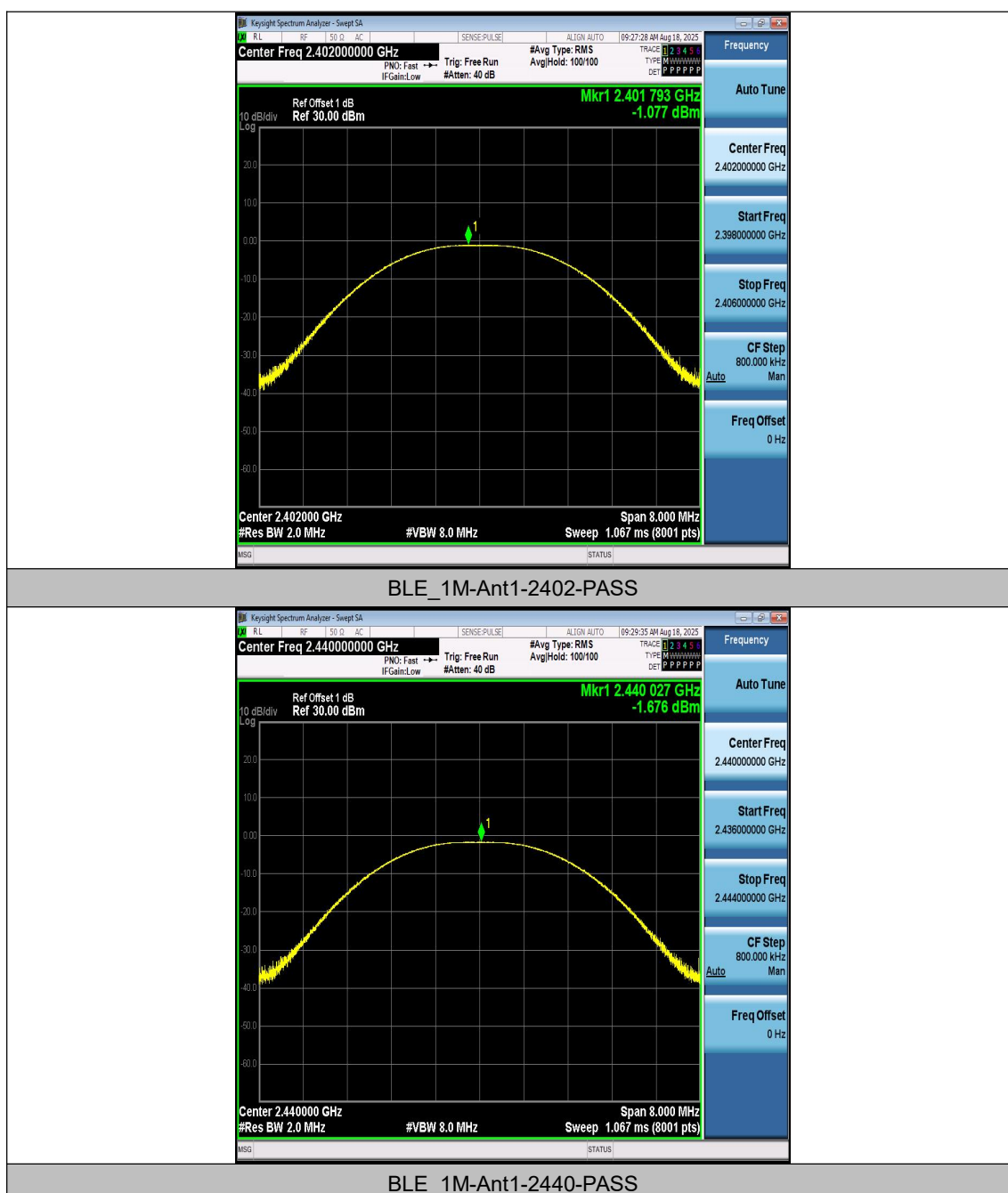
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.08	≤30	PASS
BLE_1M	Ant1	2440	-1.68	≤30	PASS
BLE_1M	Ant1	2480	-2.52	≤30	PASS

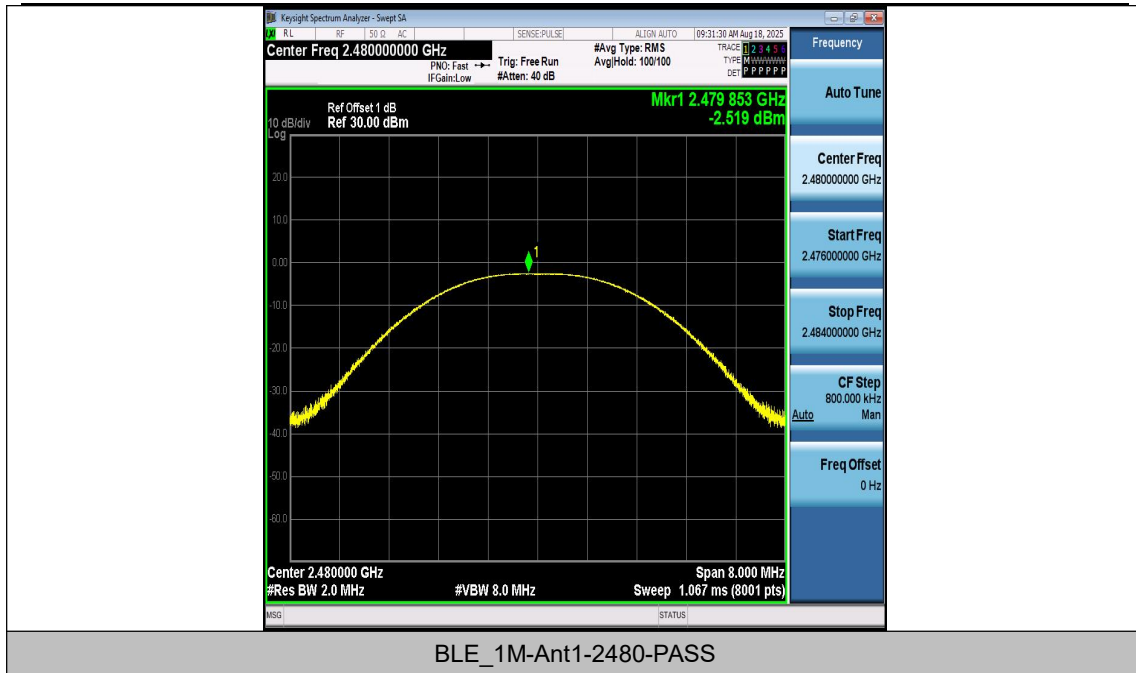
Test Graphs Peak



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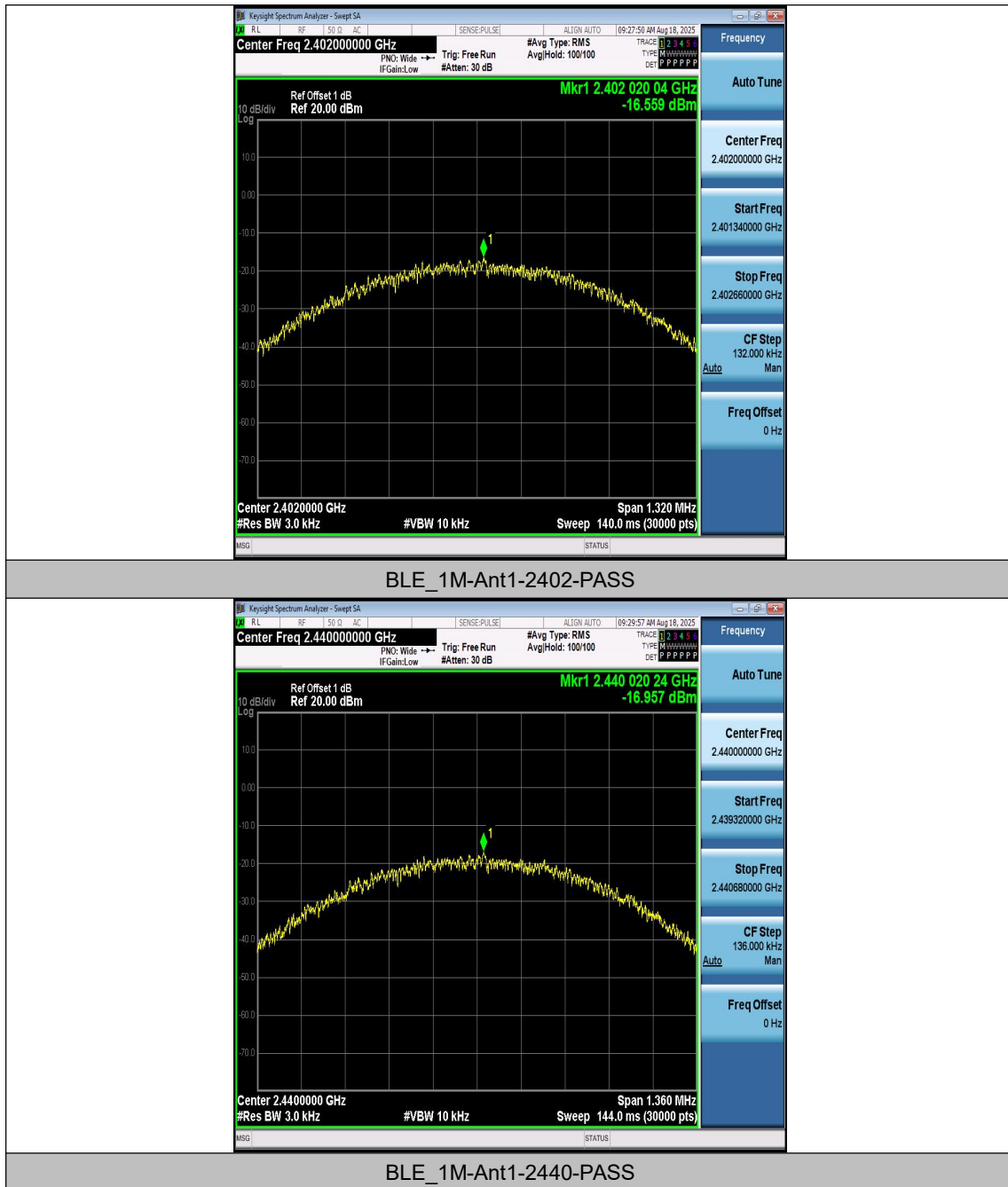
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.56	≤8.00	PASS
BLE_1M	Ant1	2440	-16.96	≤8.00	PASS
BLE_1M	Ant1	2480	-18.17	≤8.00	PASS

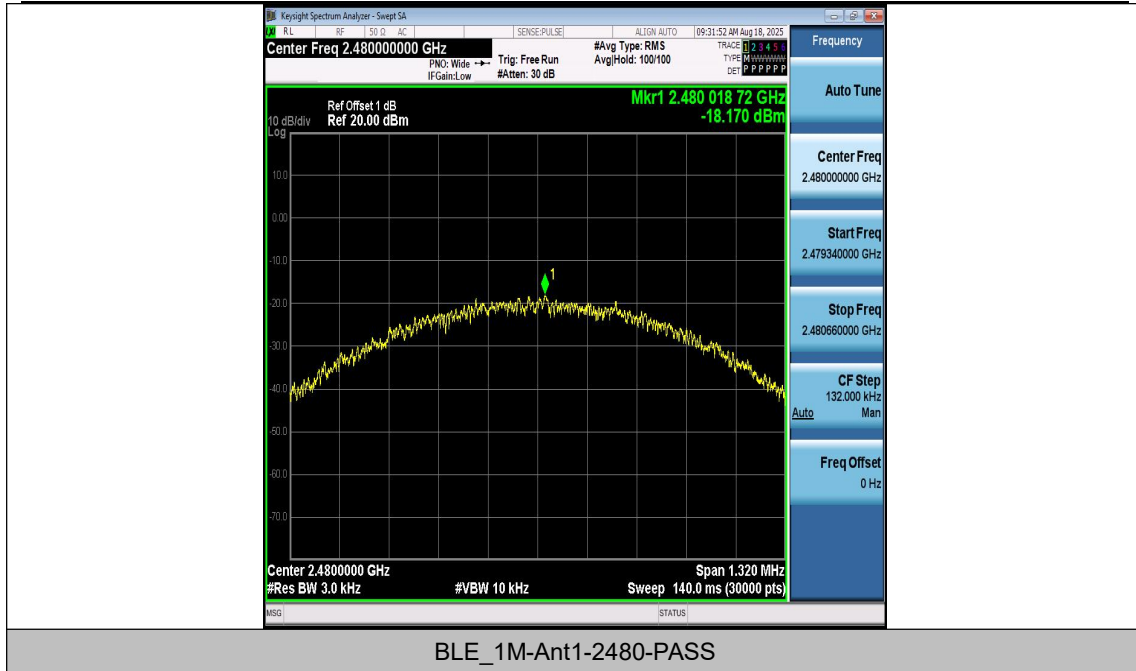
Test Graphs



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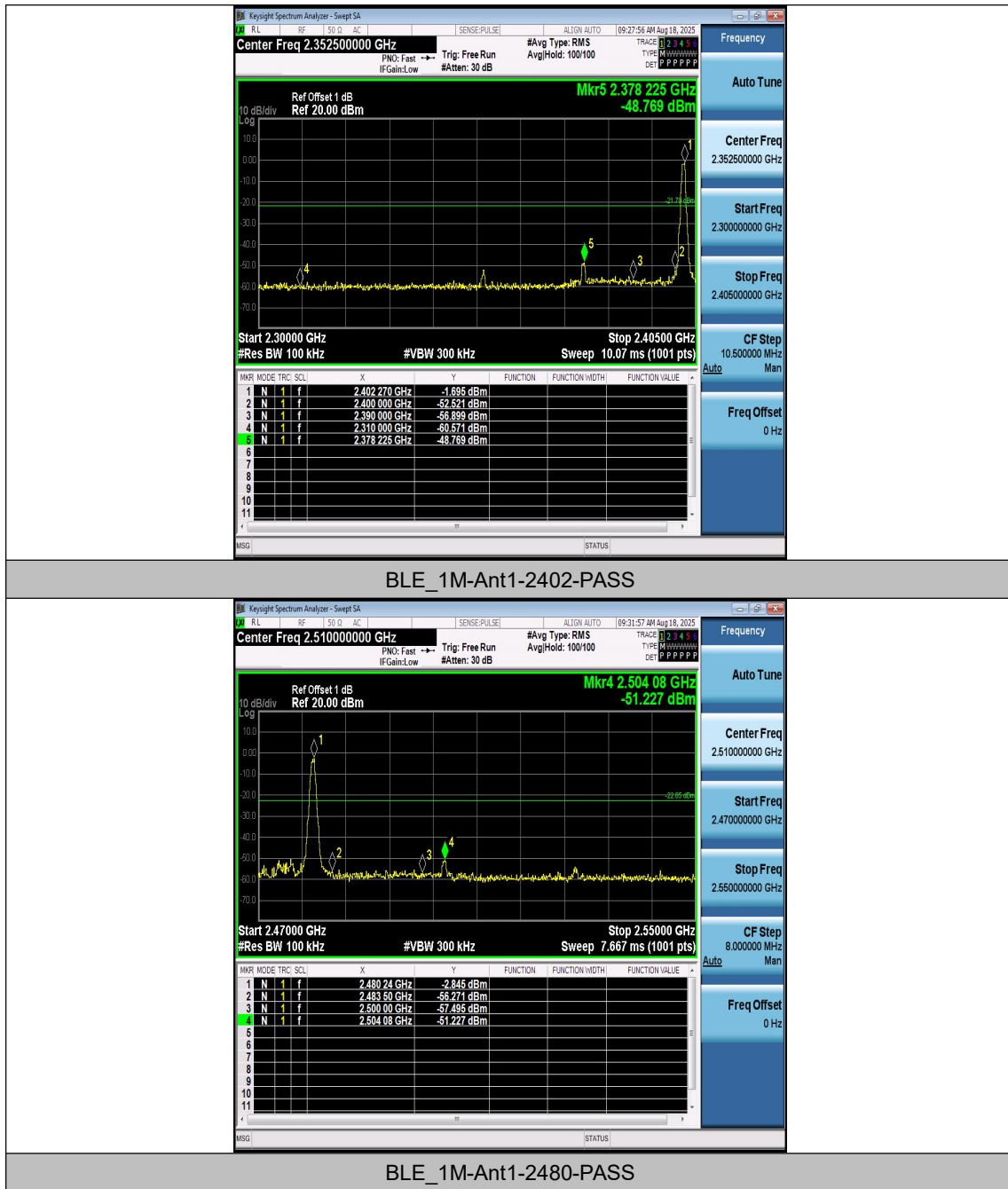
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.70	-48.77	≤-21.7	PASS
BLE_1M	Ant1	High	2480	-2.85	-51.23	≤-22.85	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs



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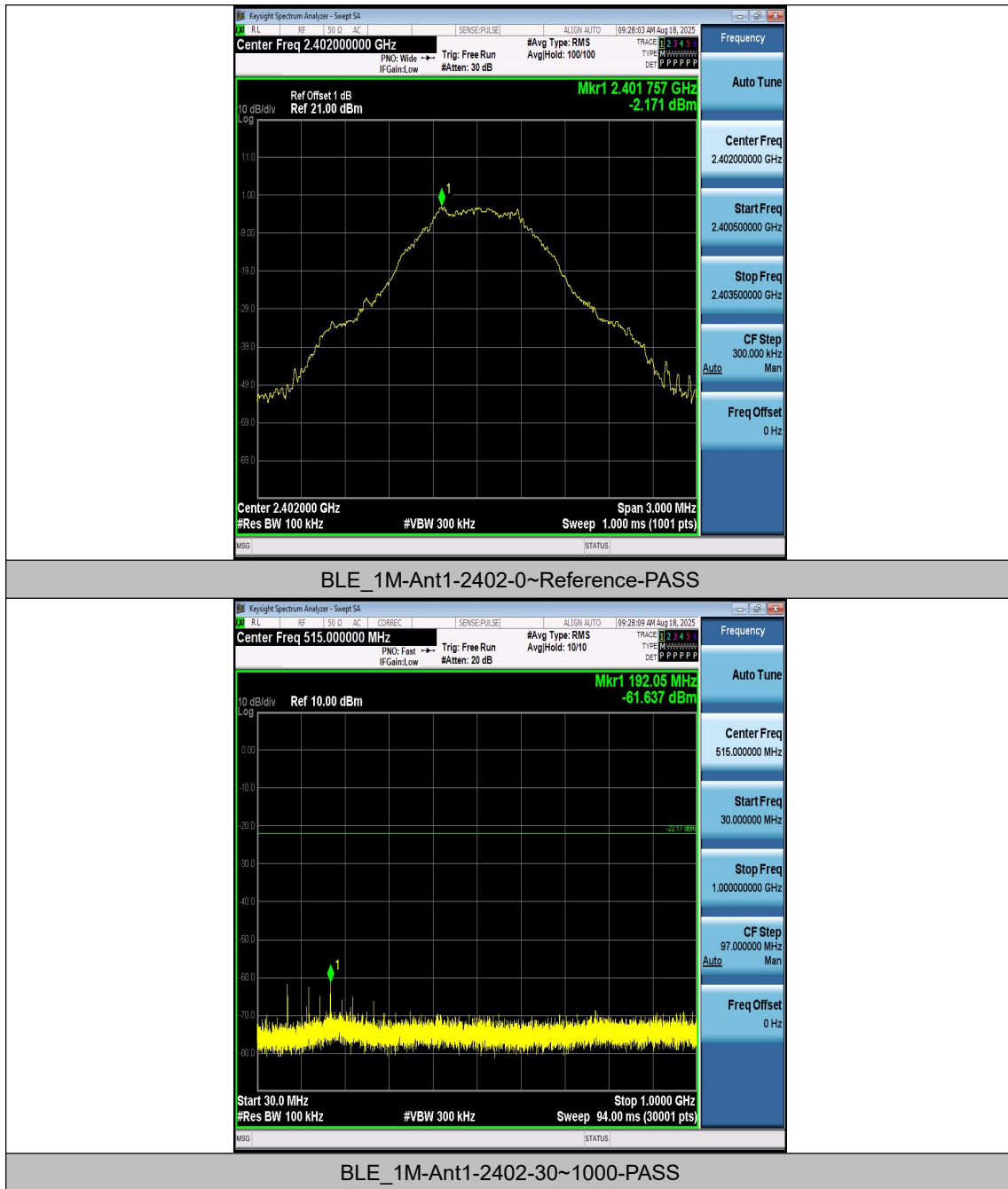
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.17	-2.17	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.17	-61.64	≤-22.17	PASS
BLE_1M	Ant1	2402	1000~26500	-2.17	-44.87	≤-22.17	PASS
BLE_1M	Ant1	2440	0~Reference	-2.36	-2.36	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.36	-61.48	≤-22.36	PASS
BLE_1M	Ant1	2440	1000~26500	-2.36	-41.2	≤-22.36	PASS
BLE_1M	Ant1	2480	0~Reference	-3.34	-3.34	---	PASS
BLE_1M	Ant1	2480	30~1000	-3.34	-61.55	≤-23.34	PASS
BLE_1M	Ant1	2480	1000~26500	-3.34	-39.45	≤-23.34	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs



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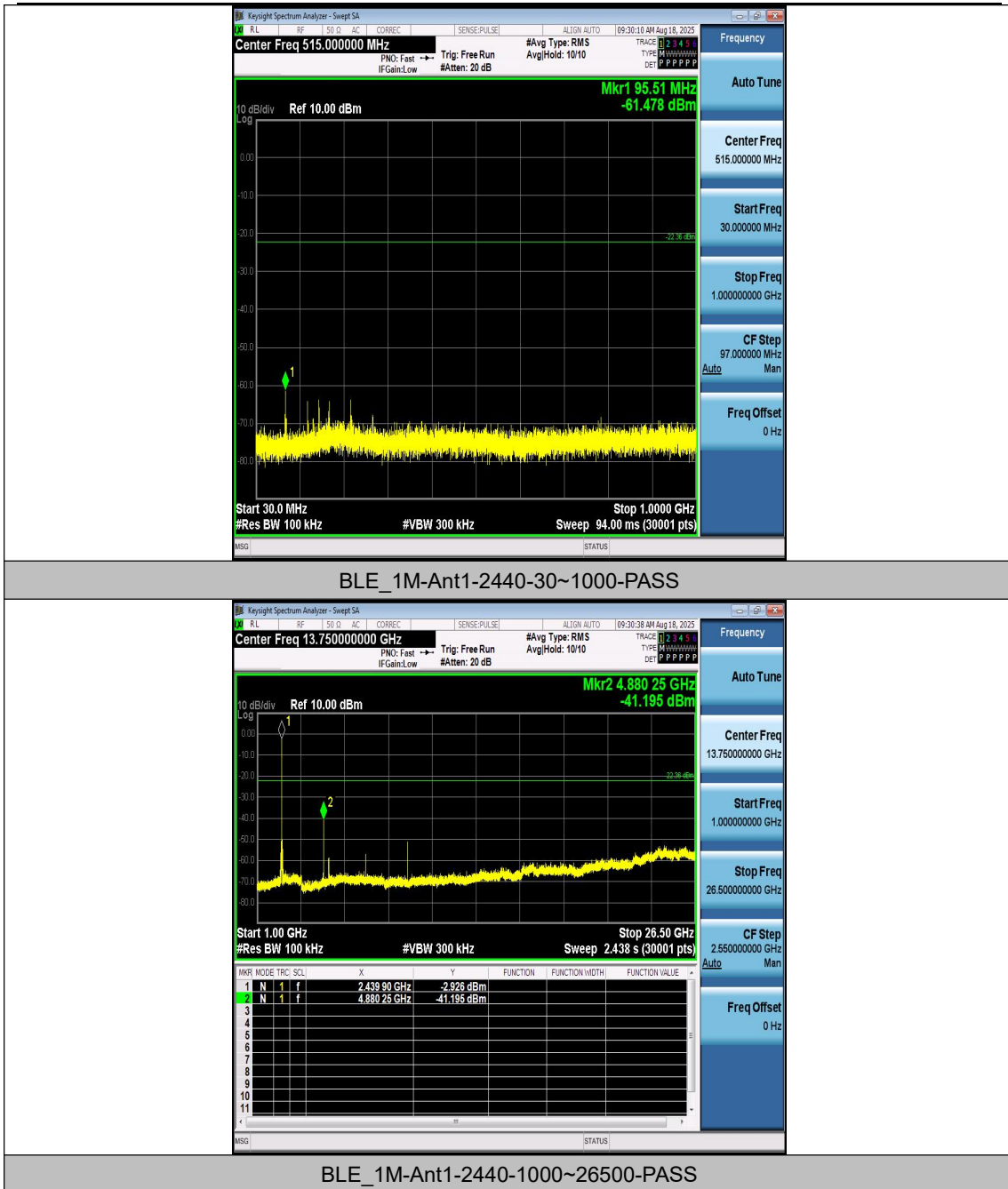
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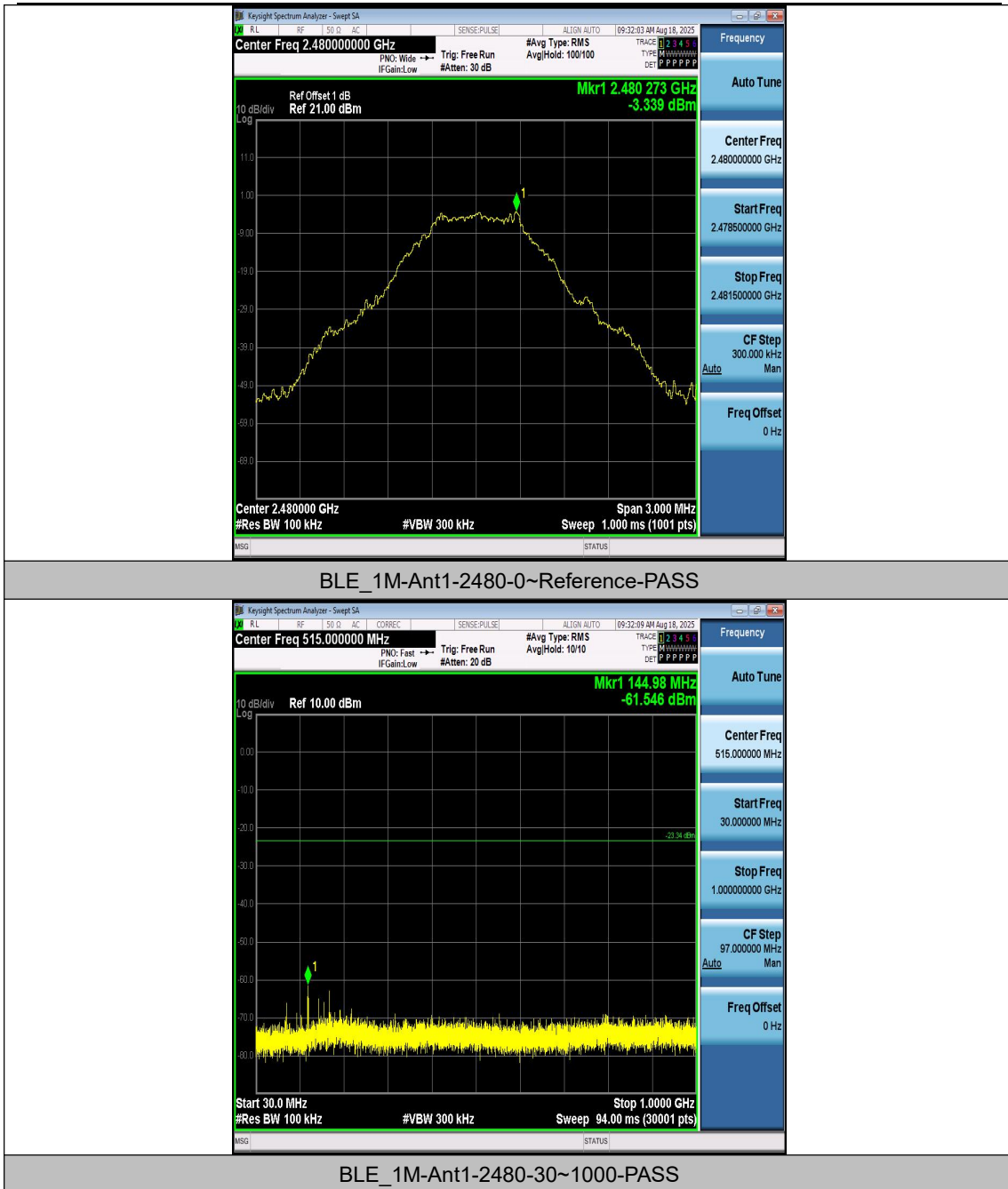
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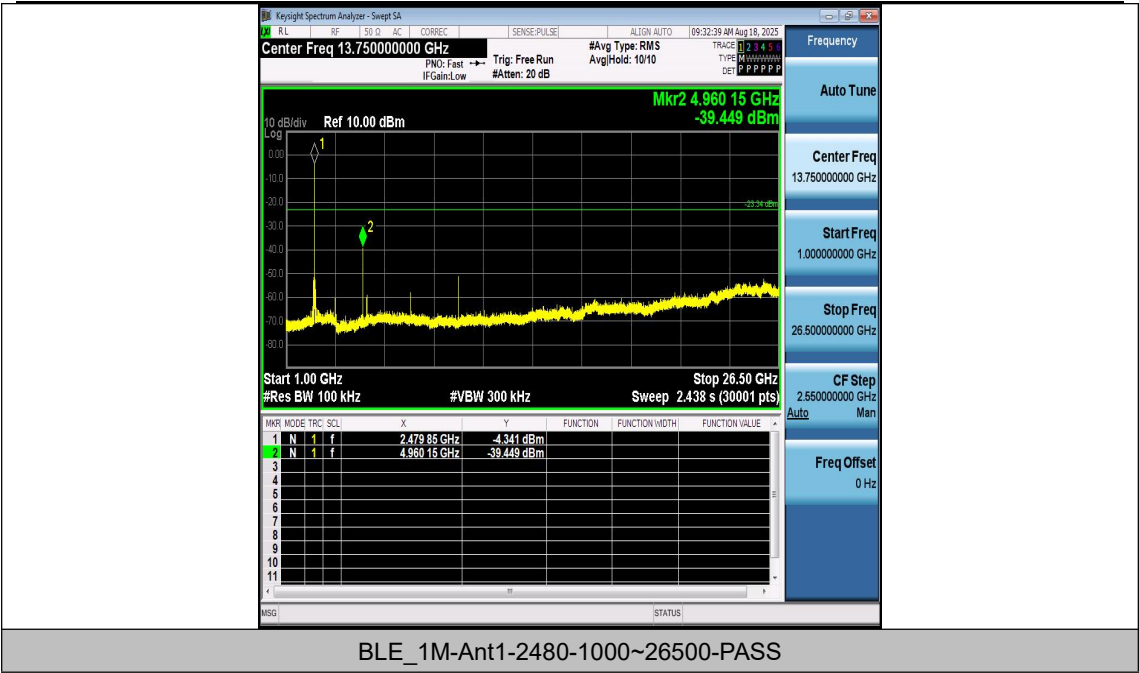
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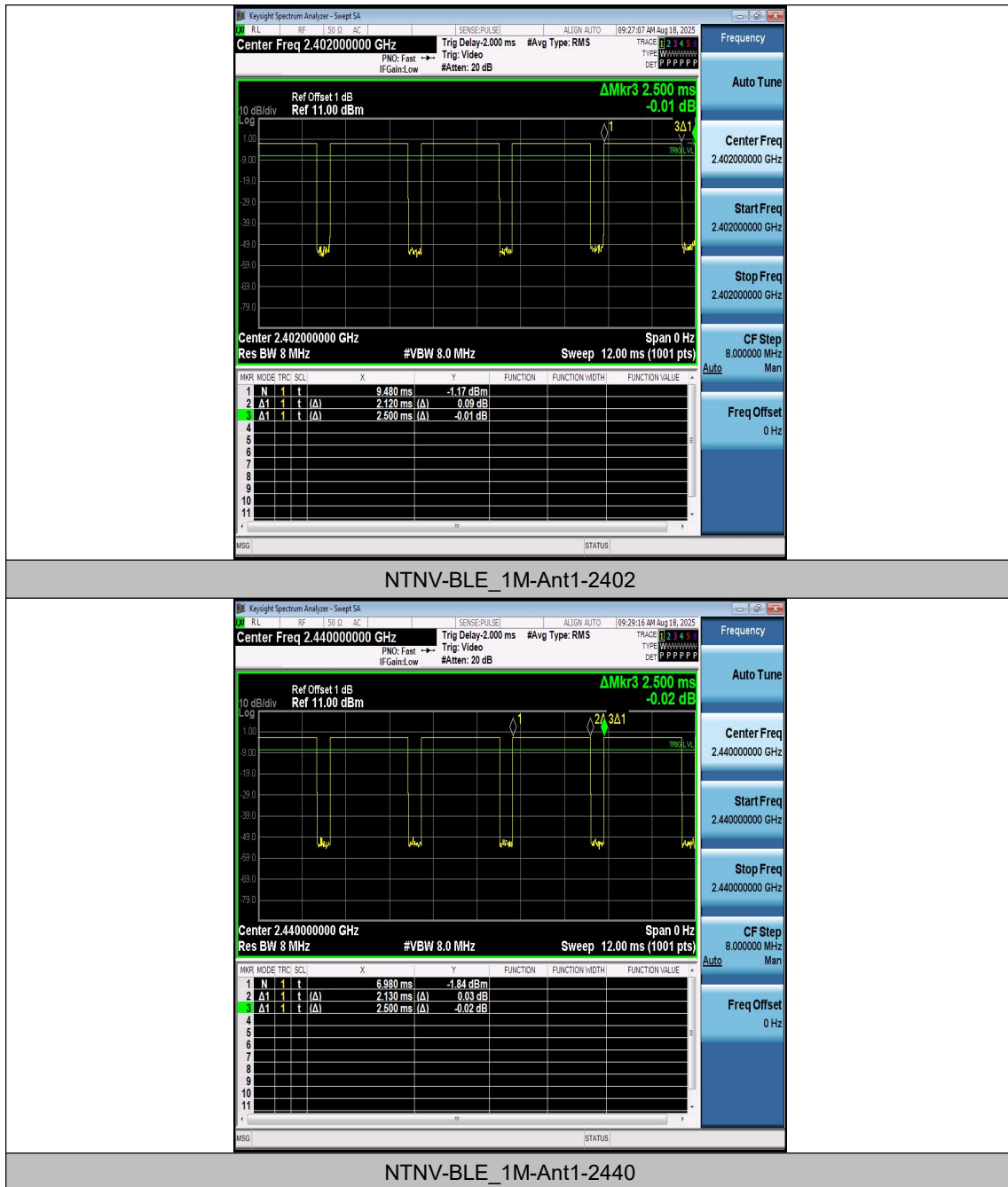
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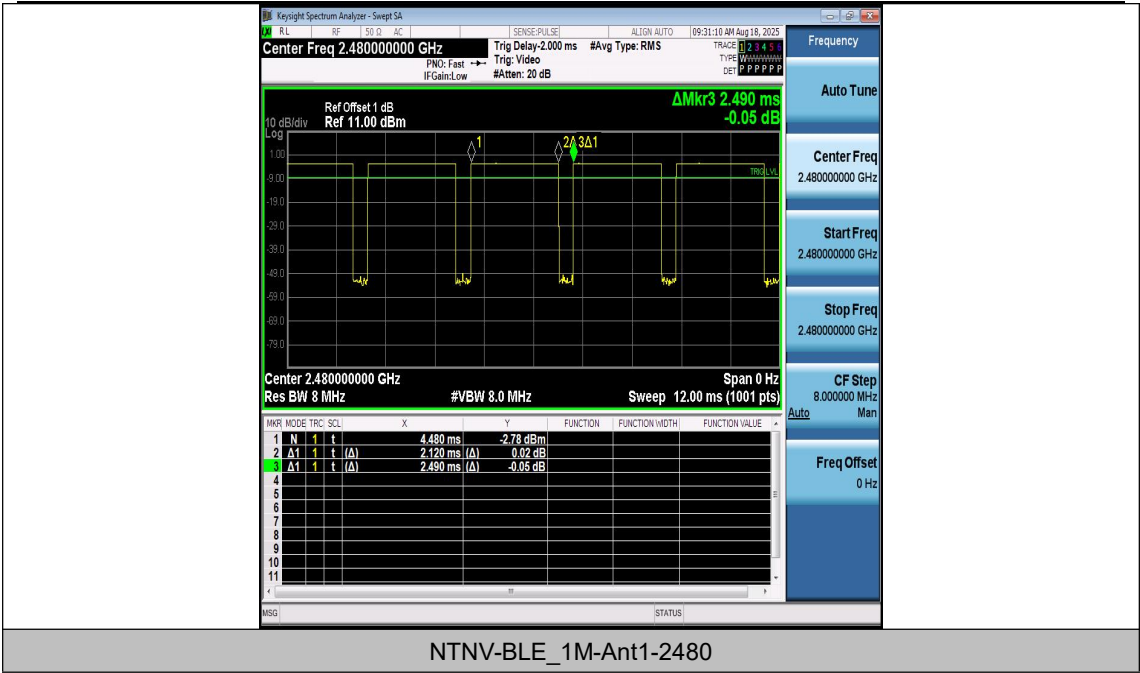
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70

Test Graphs





NTNV-BLE_1M-Ant1-2480

---End---