

Appendix Test Data

Report No.:	1812C50528412502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-20	Finish Test Date:	2025-10-21
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.7°C	Relative Humidity:	60%
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	0.672	2401.664	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.668	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.680	2479.668	2480.348	0.5	PASS

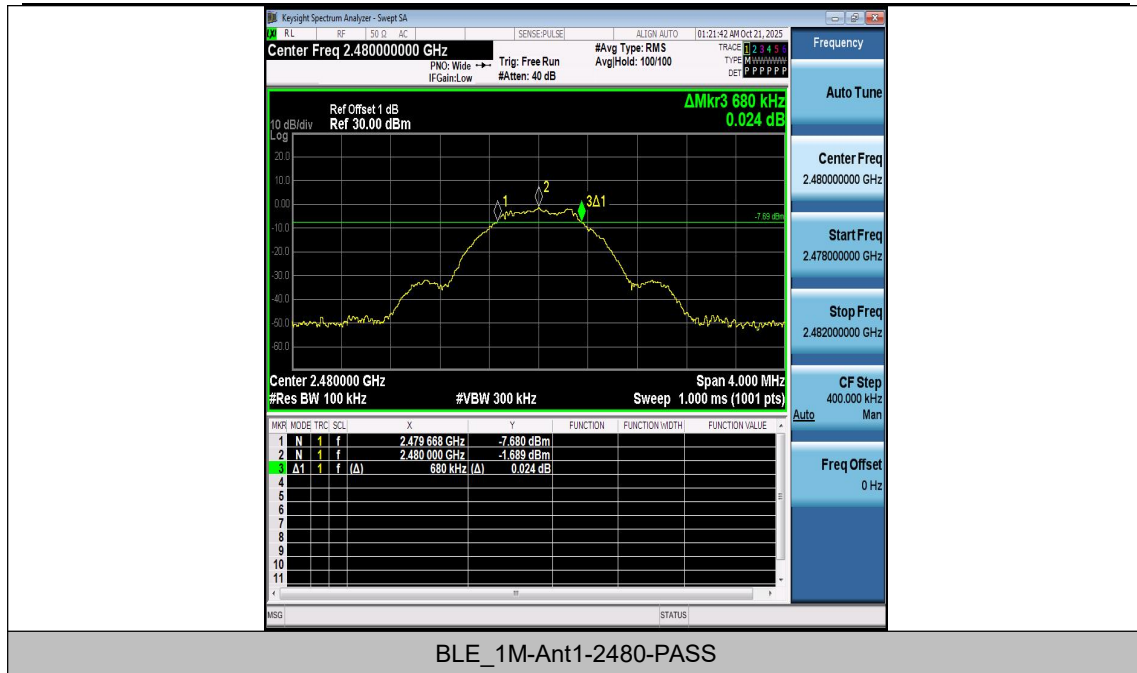
Test Graphs



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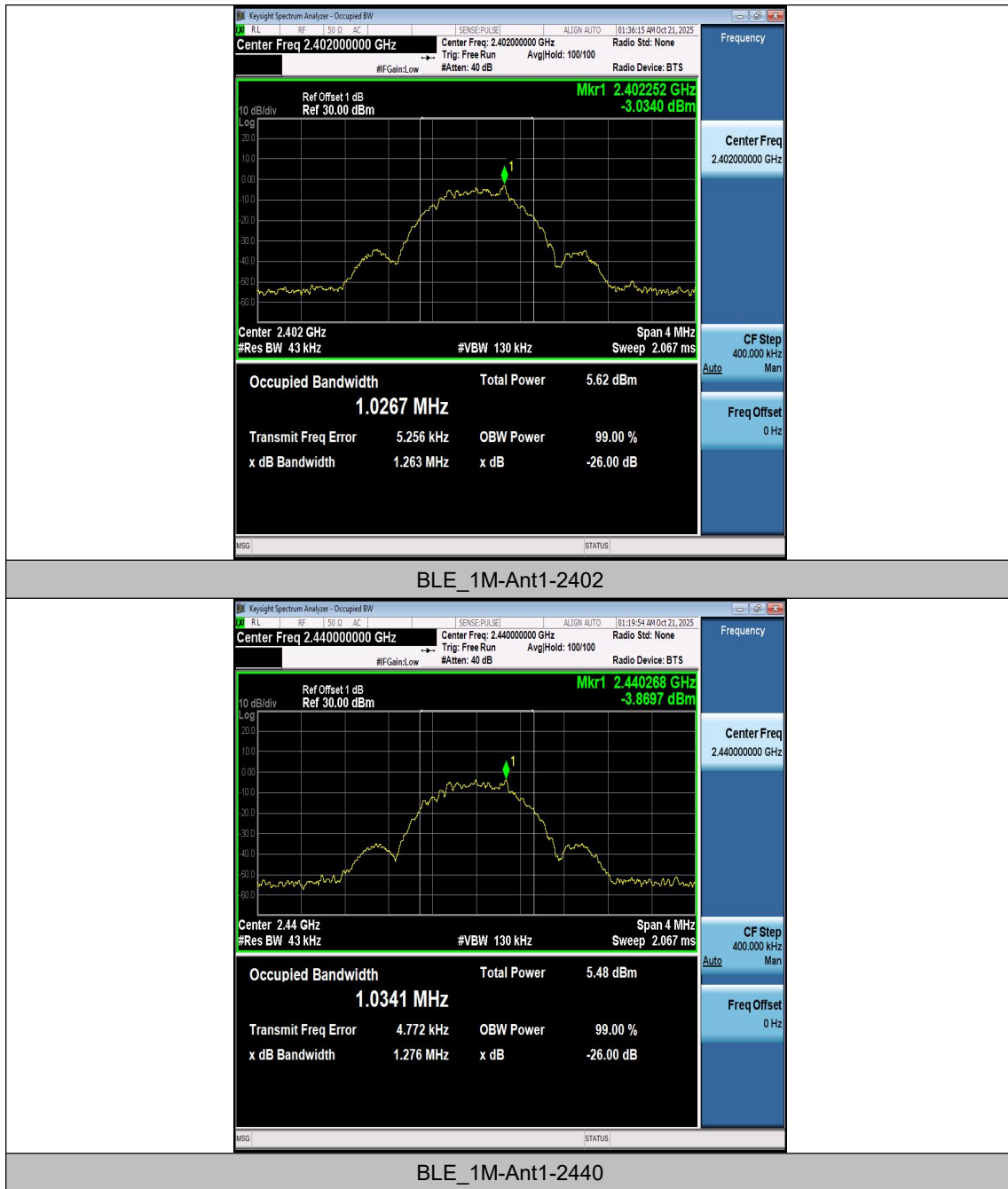
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0267	2401.4919	2402.5186	---	---
BLE_1M	Ant1	2440	1.0341	2439.4877	2440.5218	---	---
BLE_1M	Ant1	2480	1.0415	2479.4853	2480.5268	---	---

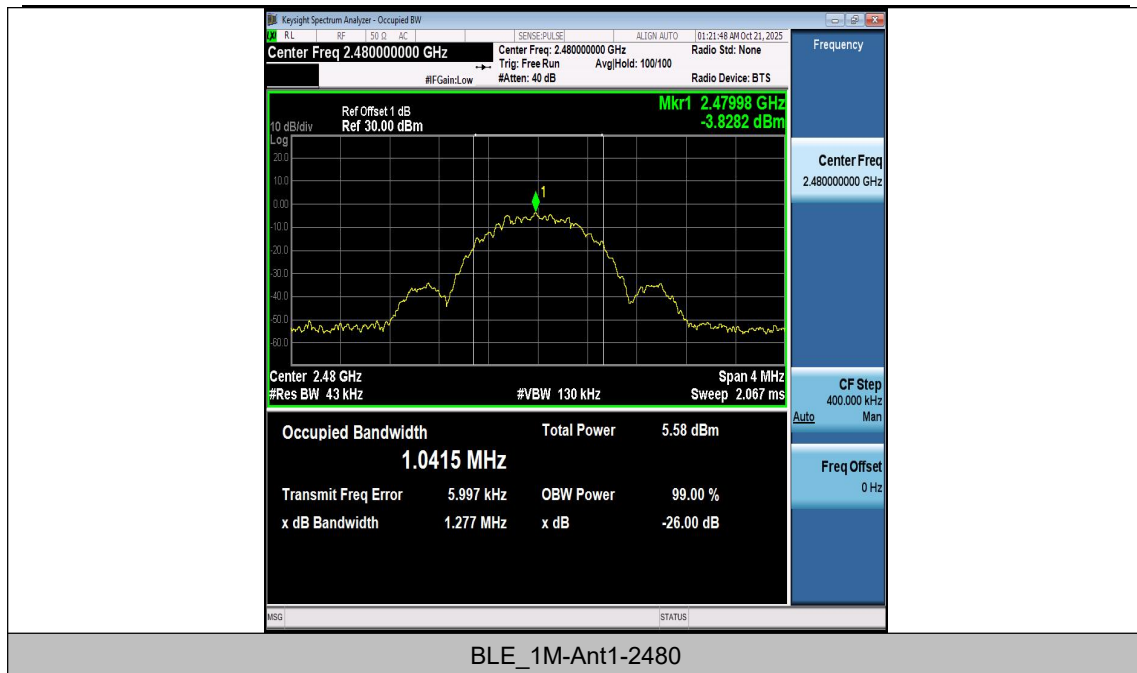
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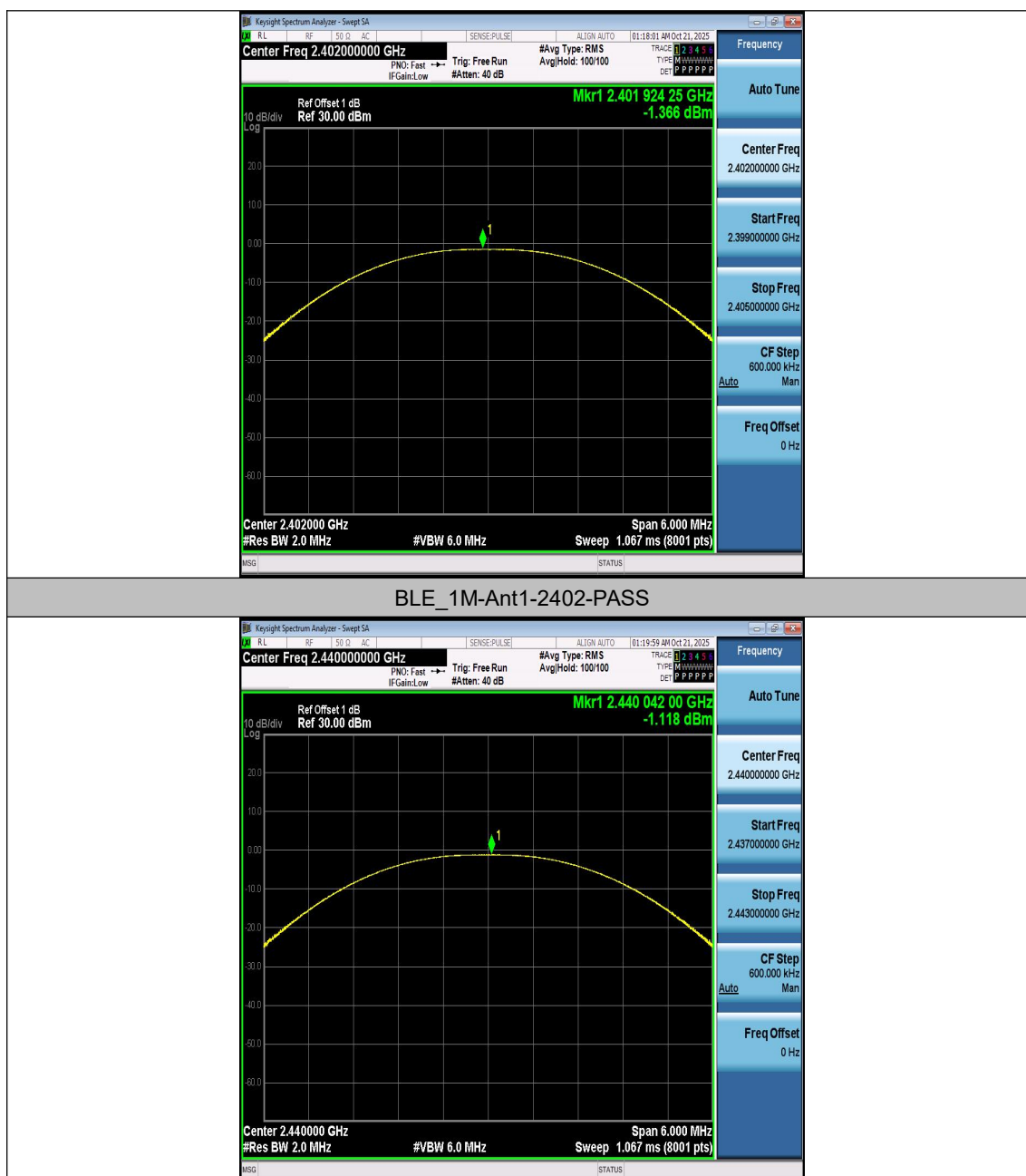
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.37	≤30	PASS
BLE_1M	Ant1	2440	-1.12	≤30	PASS
BLE_1M	Ant1	2480	-0.97	≤30	PASS

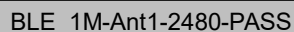
Test Graphs Peak



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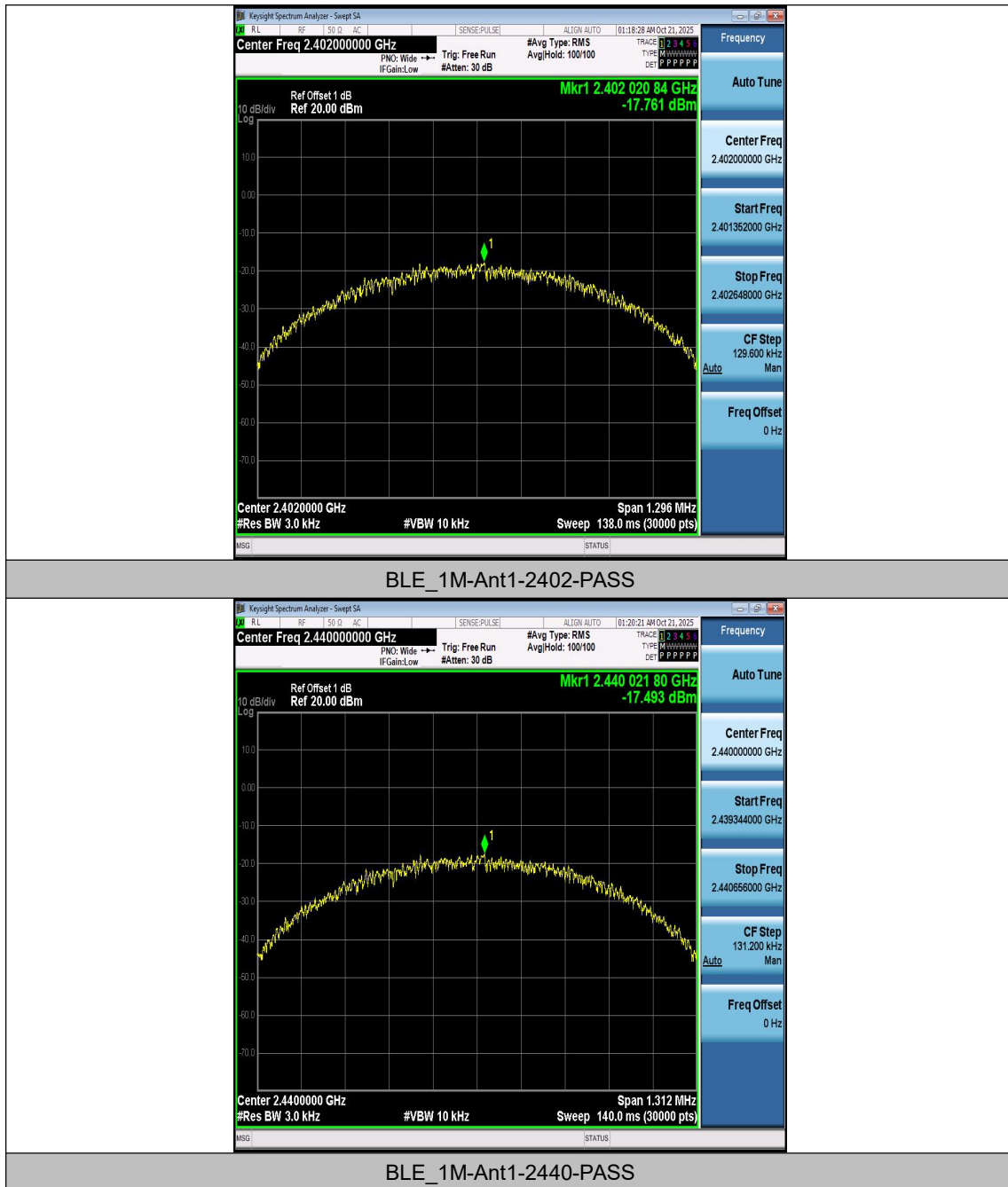
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.76	≤8.00	PASS
BLE_1M	Ant1	2440	-17.49	≤8.00	PASS
BLE_1M	Ant1	2480	-17.22	≤8.00	PASS

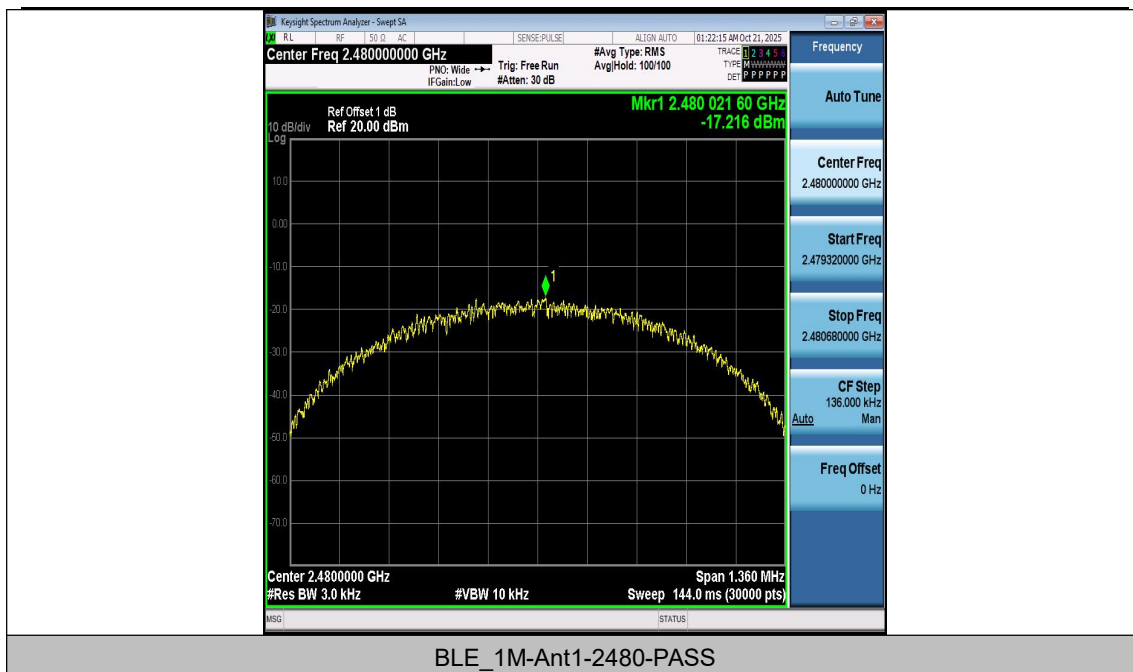
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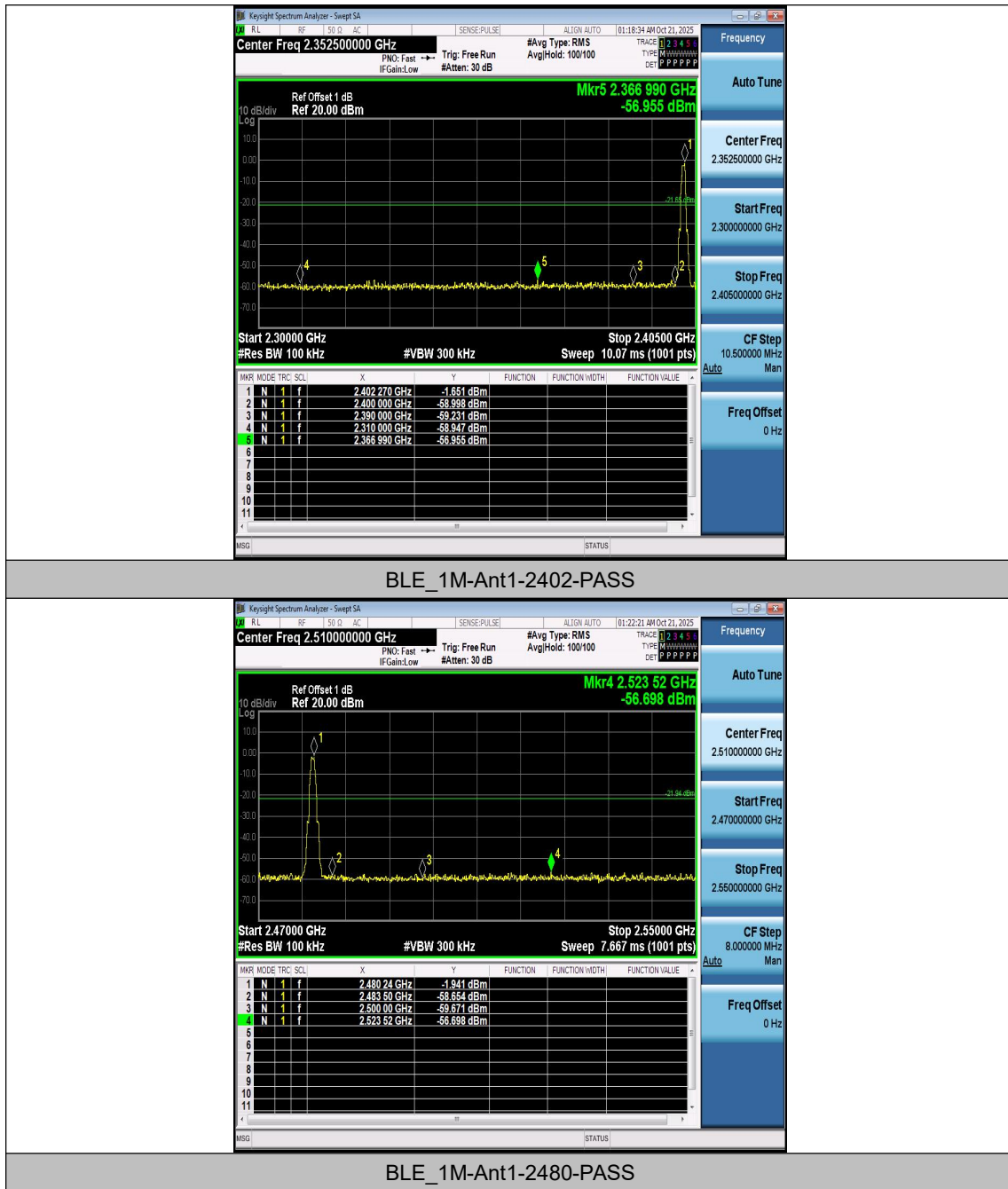
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.65	-56.96	≤-21.65	PASS
BLE_1M	Ant1	High	2480	-1.94	-56.7	≤-21.94	PASS

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

Test Graphs



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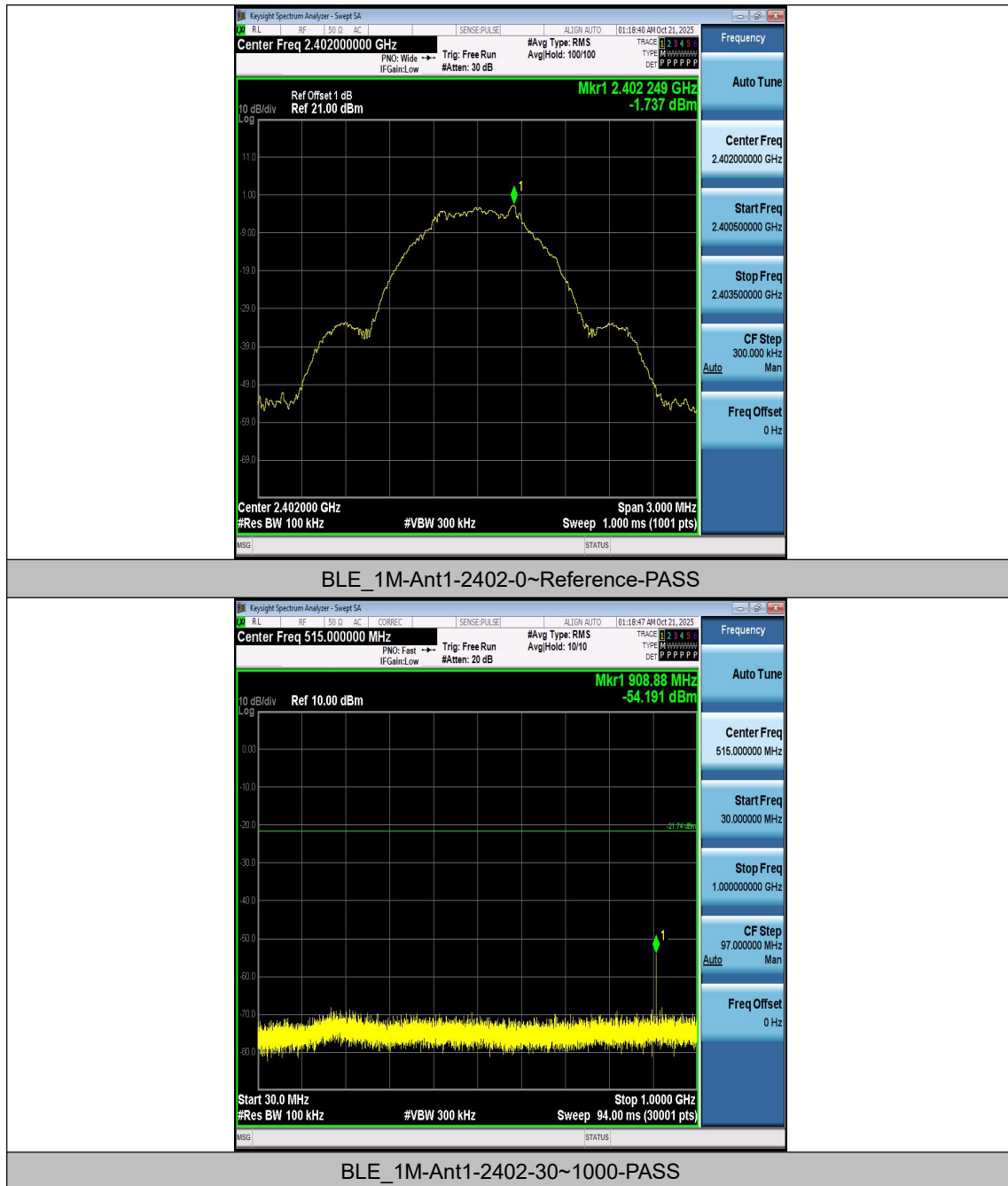
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.74	-1.74	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.74	-54.19	≤-21.74	PASS
BLE_1M	Ant1	2402	1000~26500	-1.74	-53.35	≤-21.74	PASS
BLE_1M	Ant1	2440	0~Reference	-2.33	-2.33	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.33	-68.08	≤-22.33	PASS
BLE_1M	Ant1	2440	1000~26500	-2.33	-53.49	≤-22.33	PASS
BLE_1M	Ant1	2480	0~Reference	-1.82	-1.82	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.82	-68.39	≤-21.82	PASS
BLE_1M	Ant1	2480	1000~26500	-1.82	-52.76	≤-21.82	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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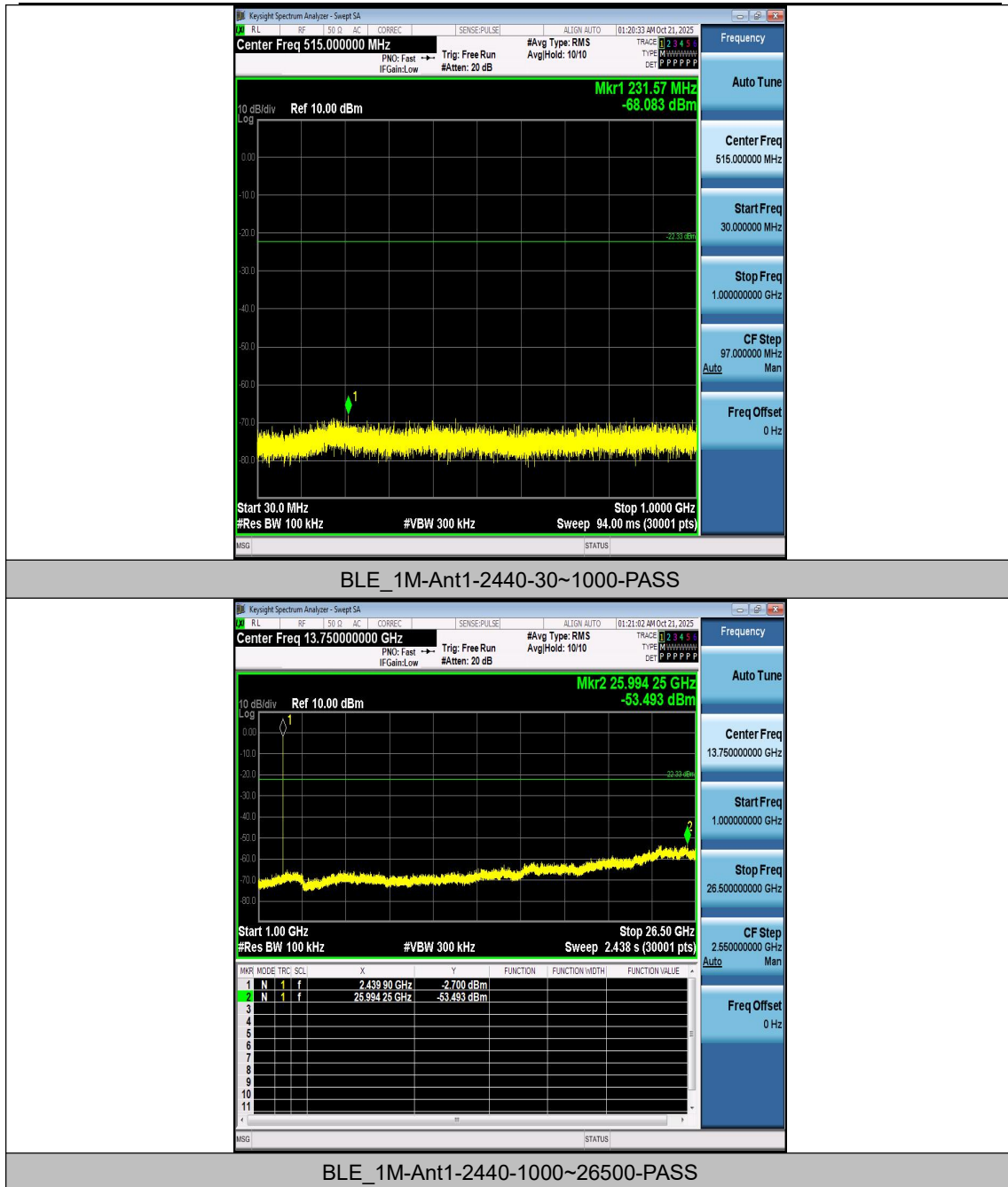
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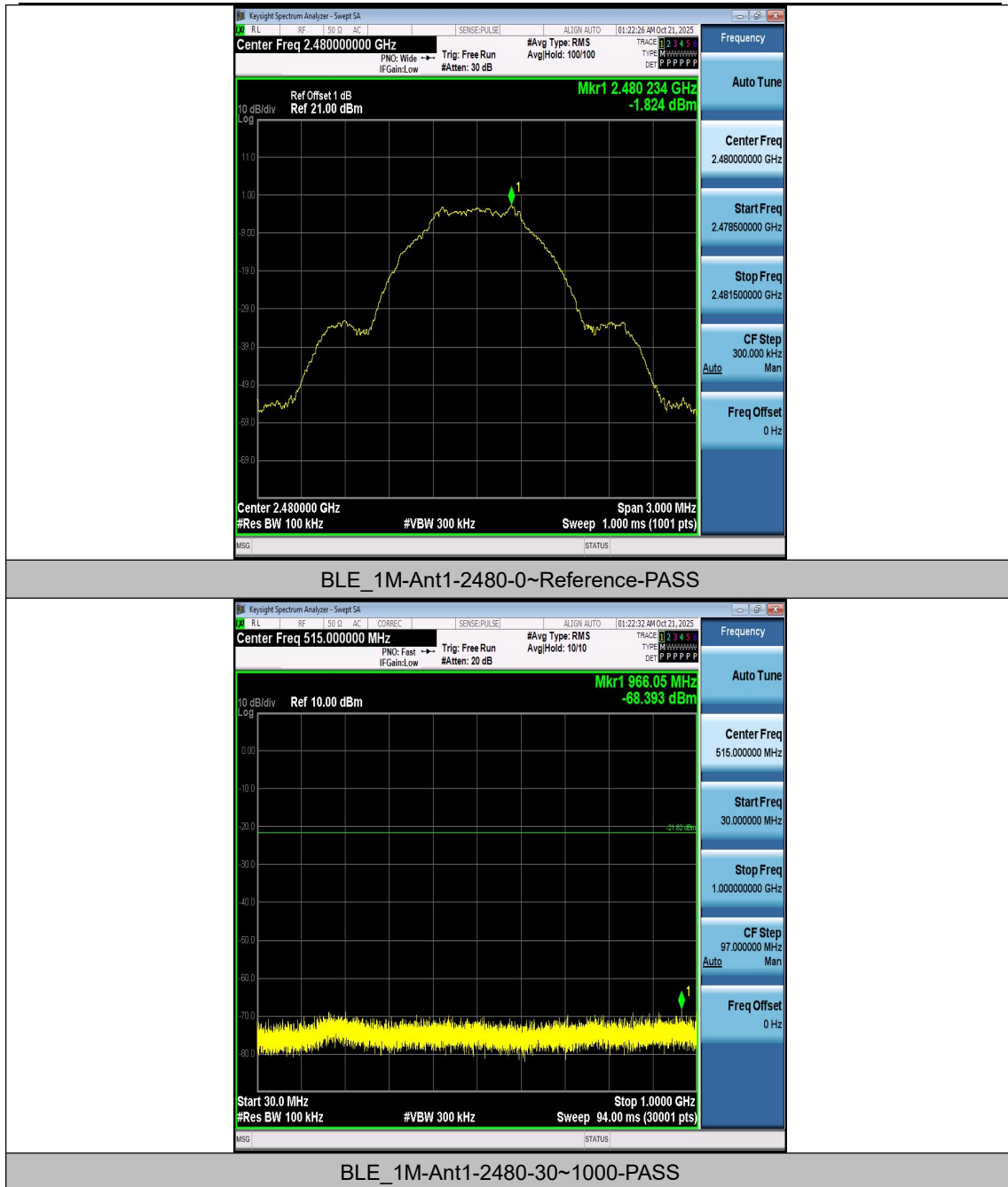
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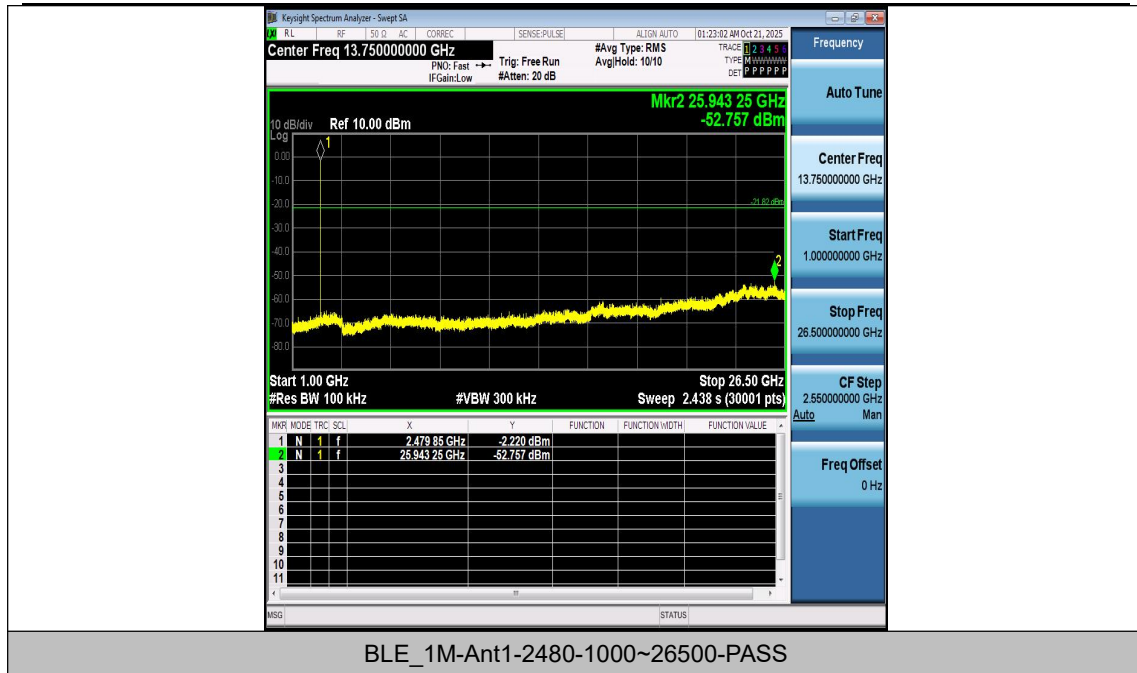
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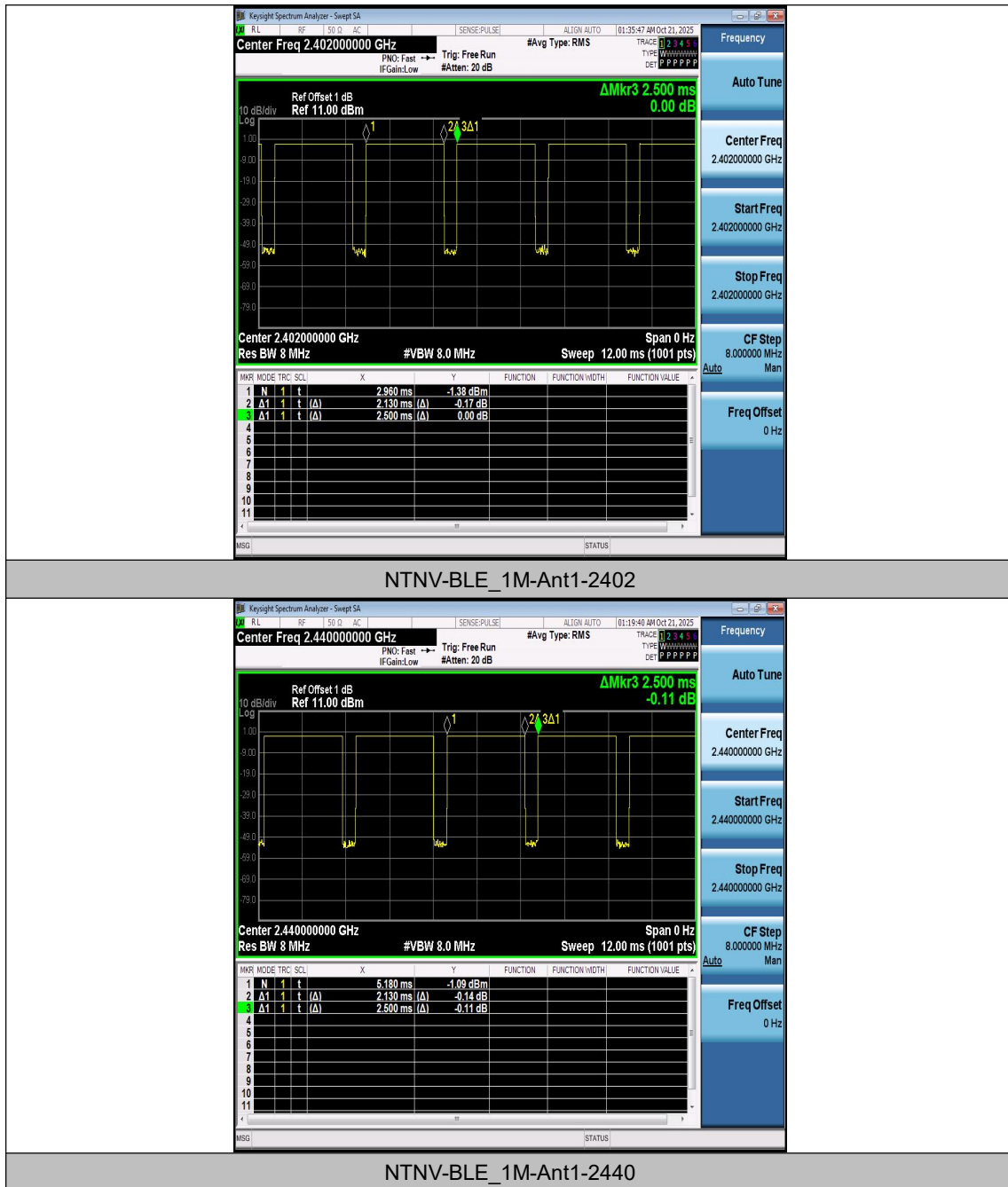
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Appendix G: Duty Cycle

Test Result

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

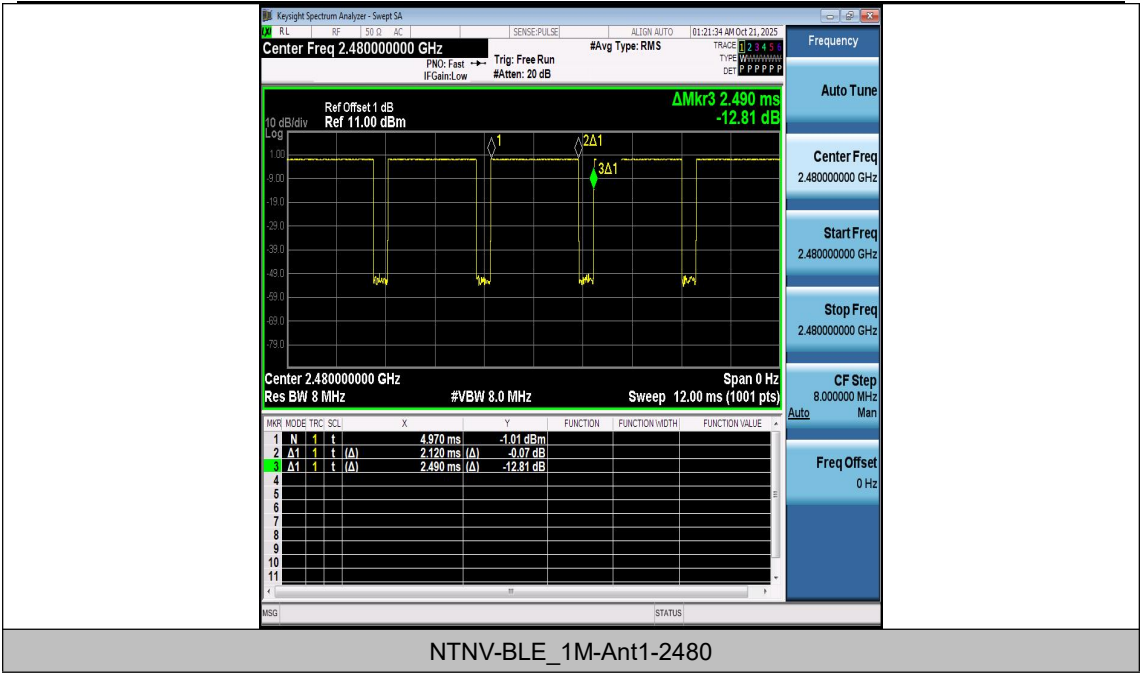
Test Graphs



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