

Appendix Test Data

Report No.:	1812C50542612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-21	Finish Test Date:	2025-10-21
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22°C	Relative Humidity:	53%
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	0.644	2401.684	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.704	2439.648	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.732	2479.636	2480.368	0.5	PASS

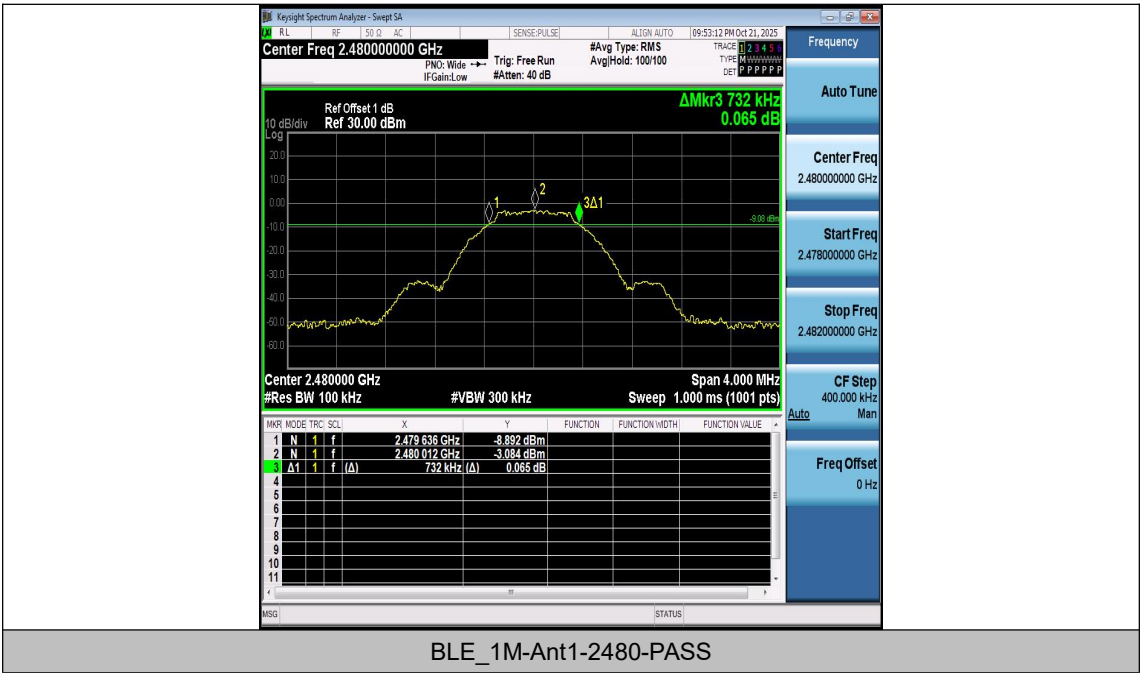
Test Graphs



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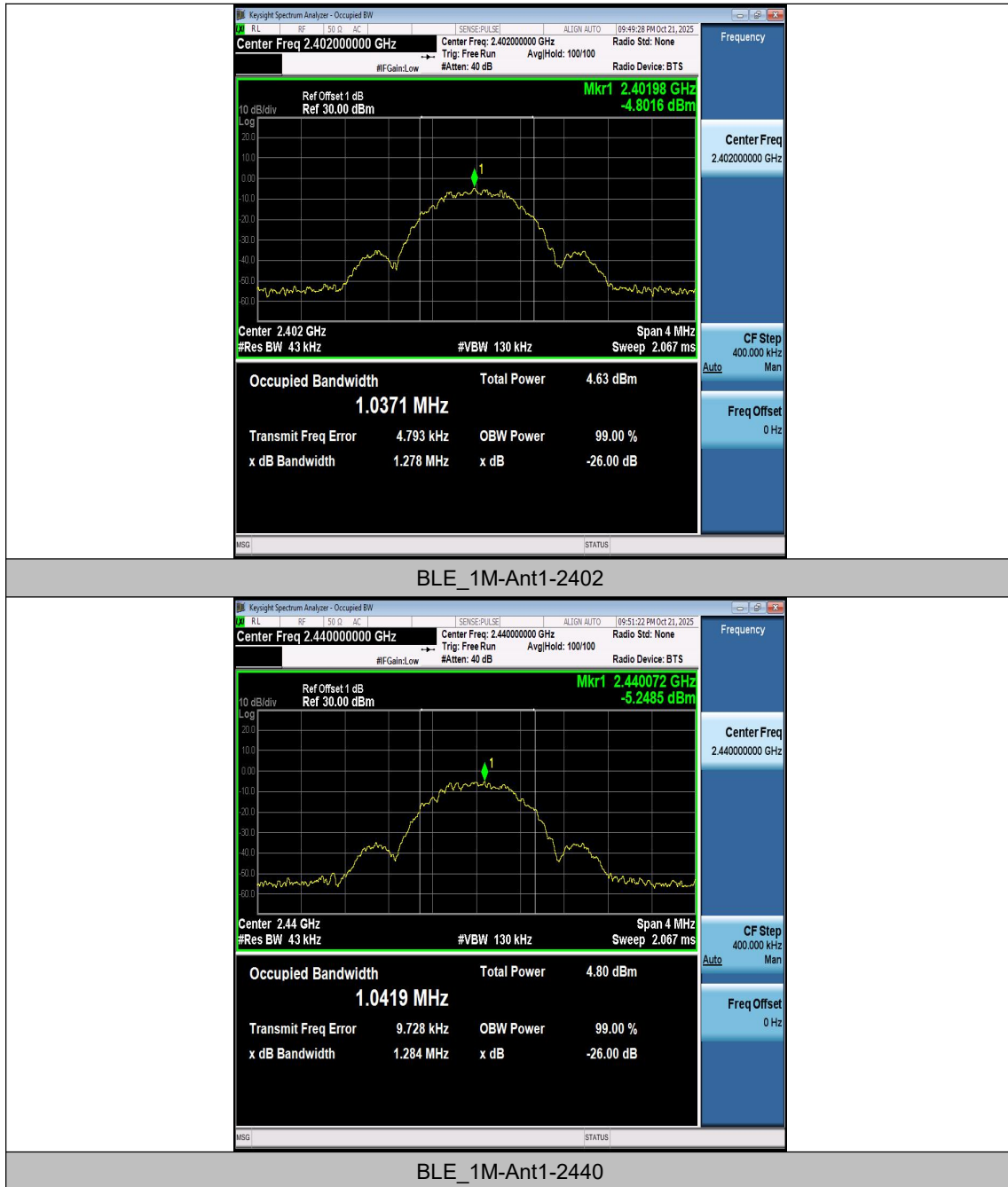
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0371	2401.4862	2402.5233	---	---
BLE_1M	Ant1	2440	1.0419	2439.4888	2440.5307	---	---
BLE_1M	Ant1	2480	1.0365	2479.4922	2480.5287	---	---

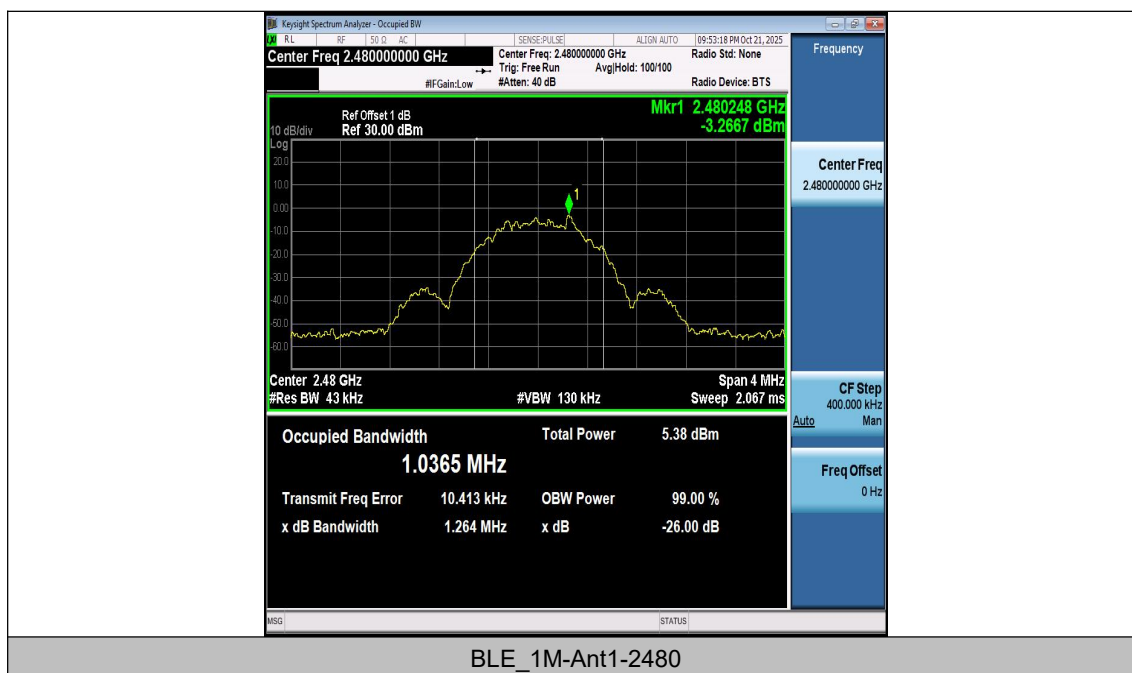
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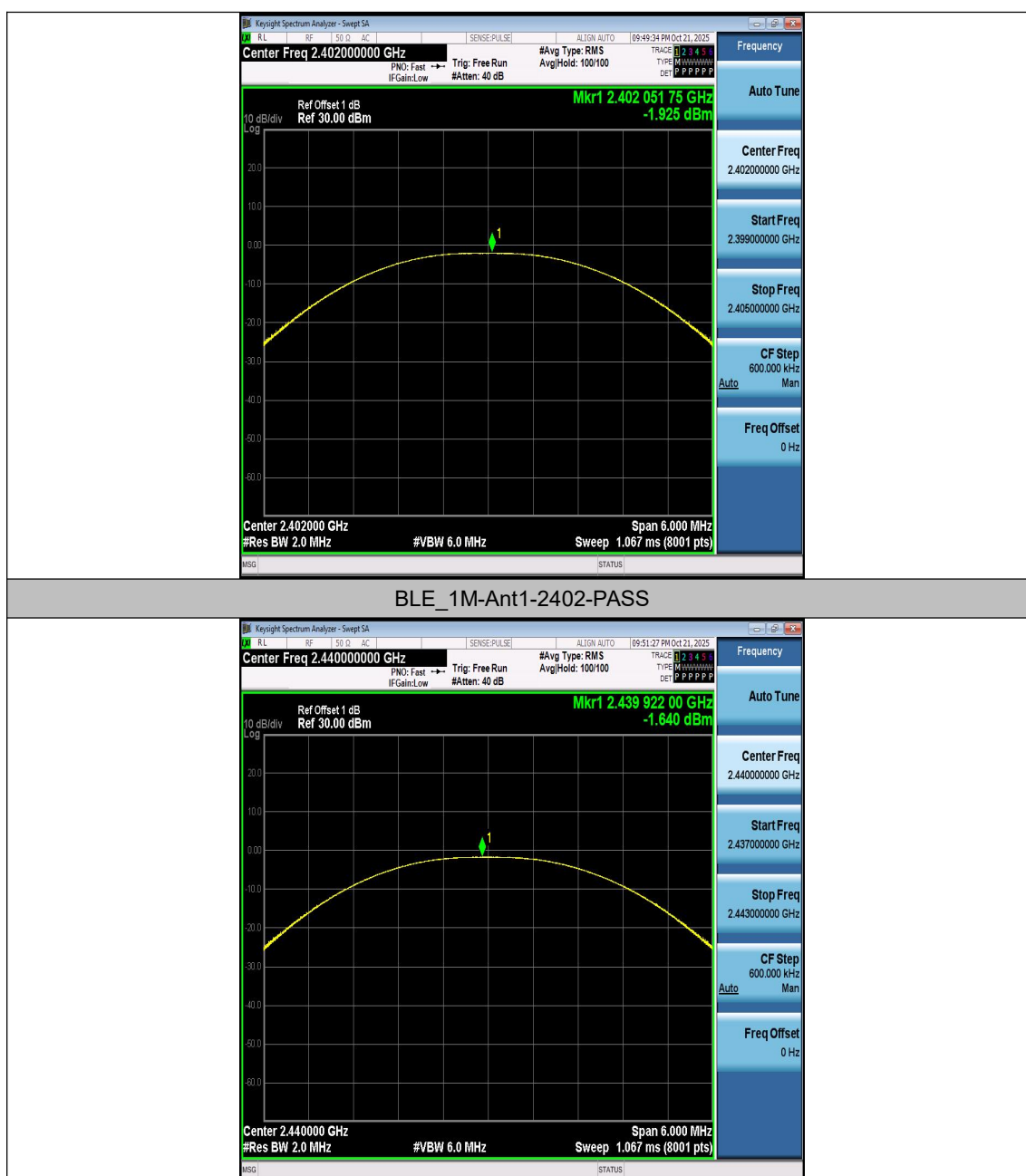
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.93	≤30	PASS
BLE_1M	Ant1	2440	-1.64	≤30	PASS
BLE_1M	Ant1	2480	-1.49	≤30	PASS

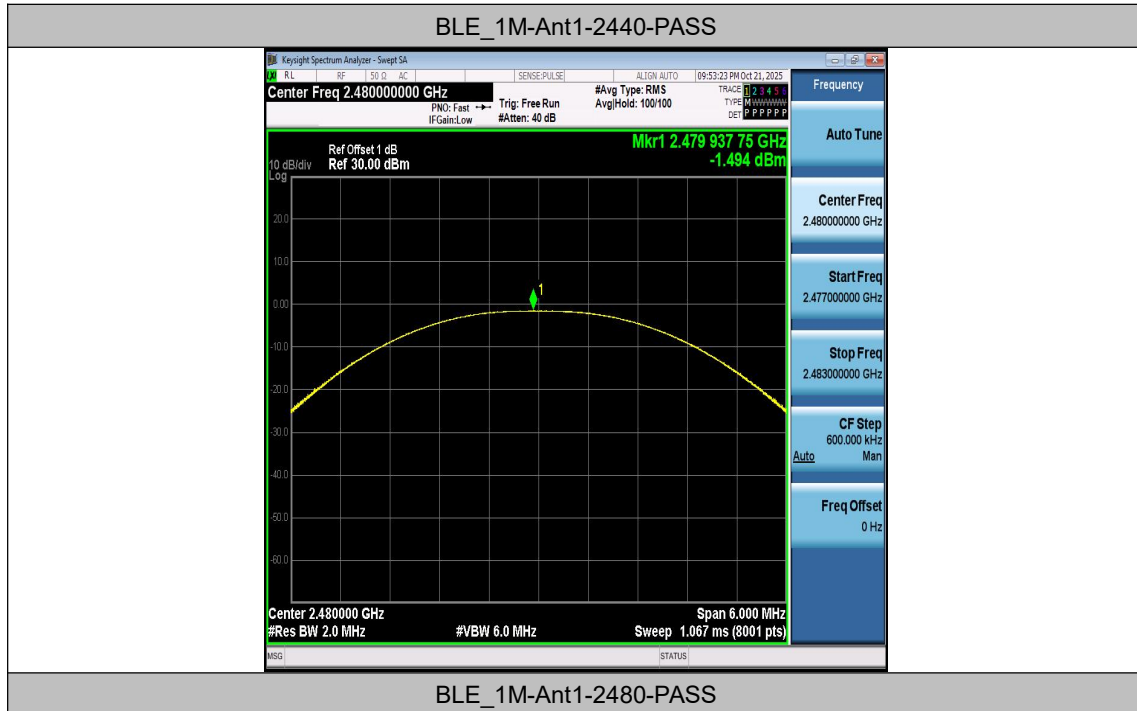
Test Graphs Peak



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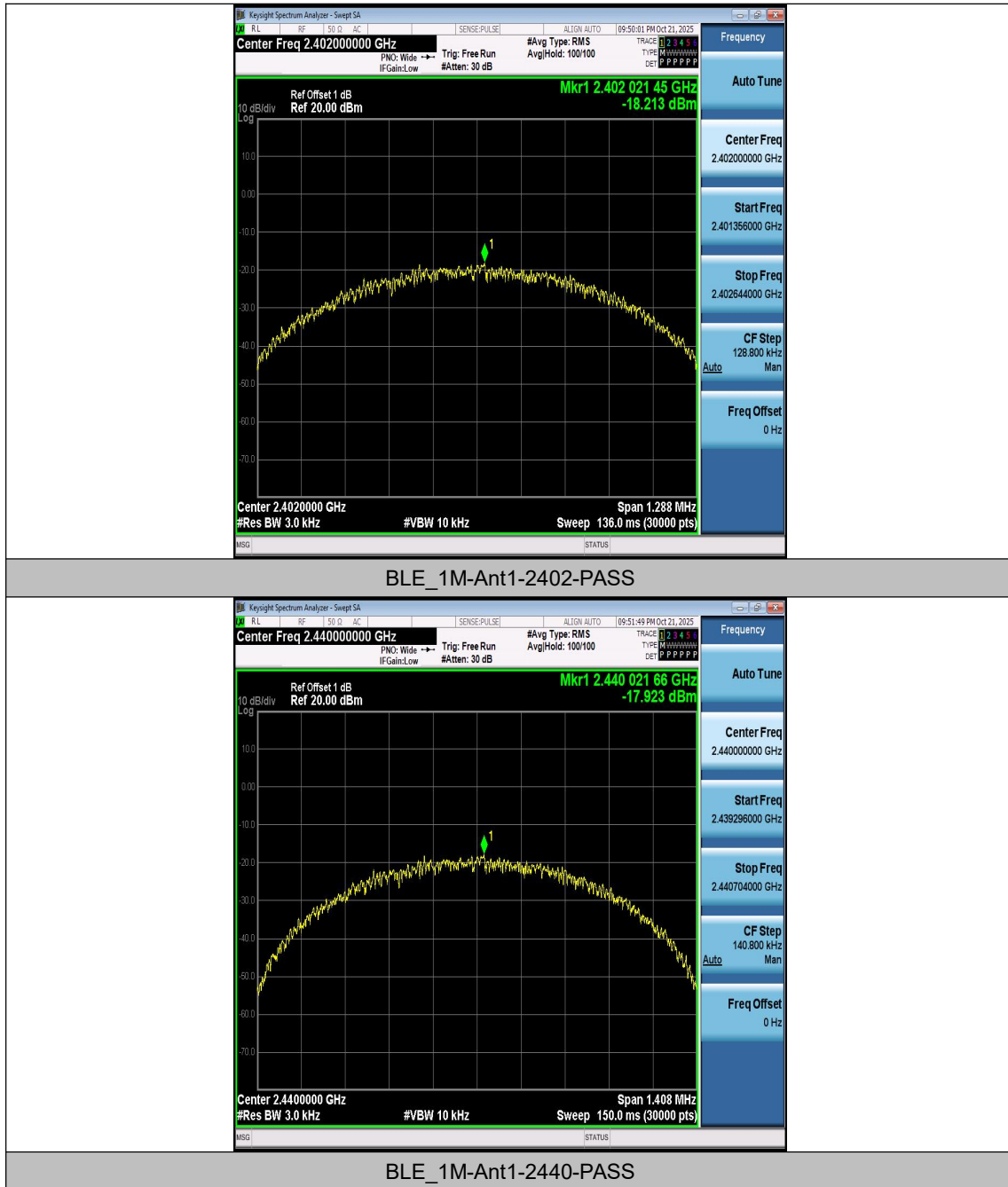
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.21	≤8.00	PASS
BLE_1M	Ant1	2440	-17.92	≤8.00	PASS
BLE_1M	Ant1	2480	-17.79	≤8.00	PASS

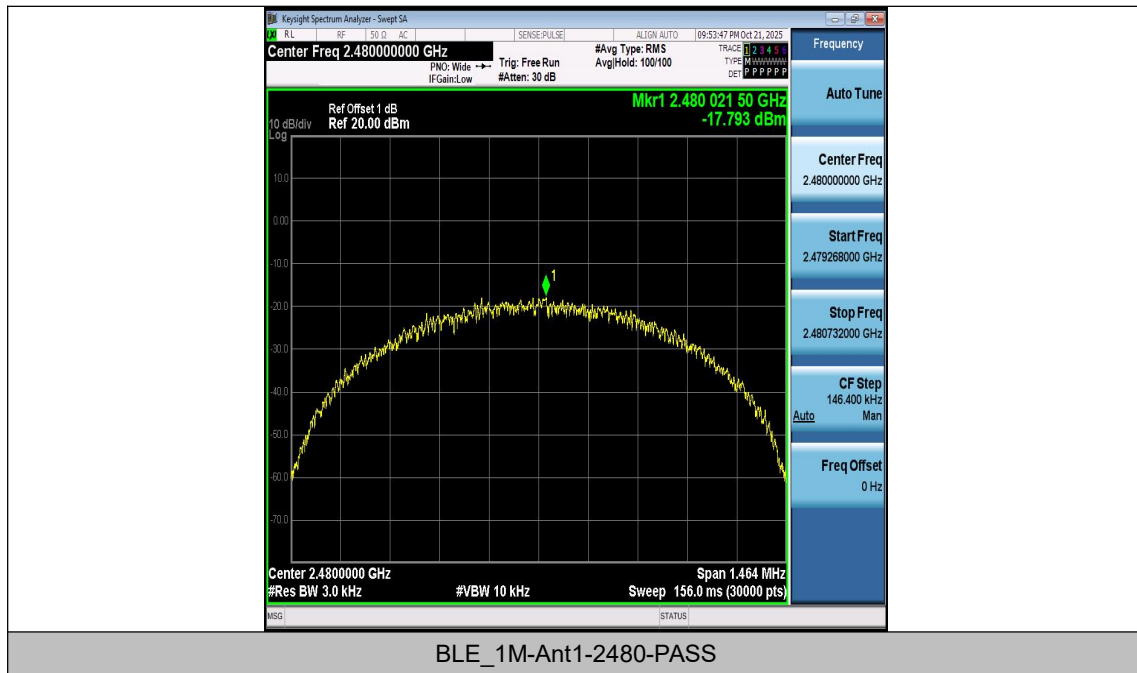
Test Graphs



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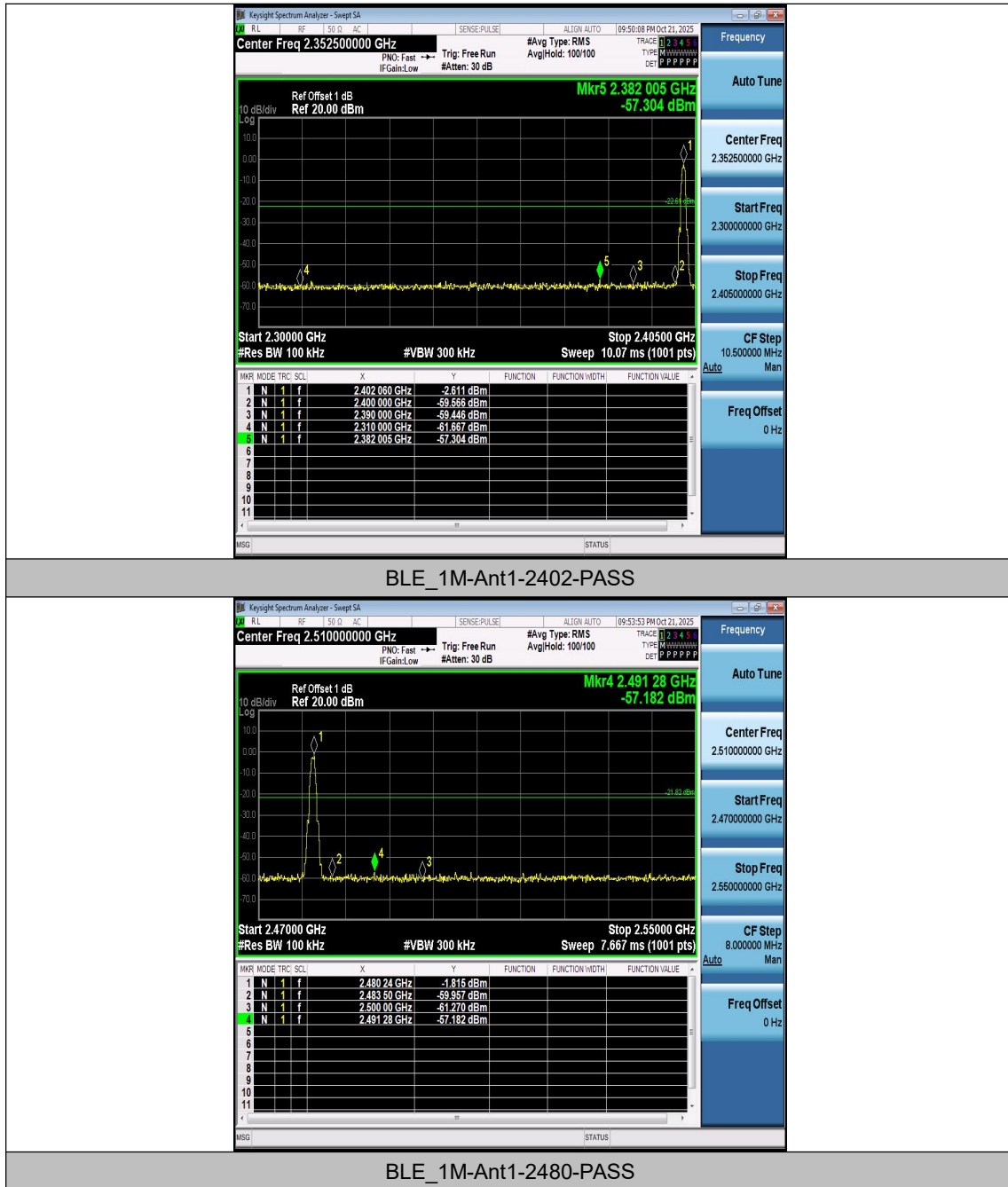
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.61	-57.3	≤-22.61	PASS
BLE_1M	Ant1	High	2480	-1.82	-57.18	≤-21.82	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



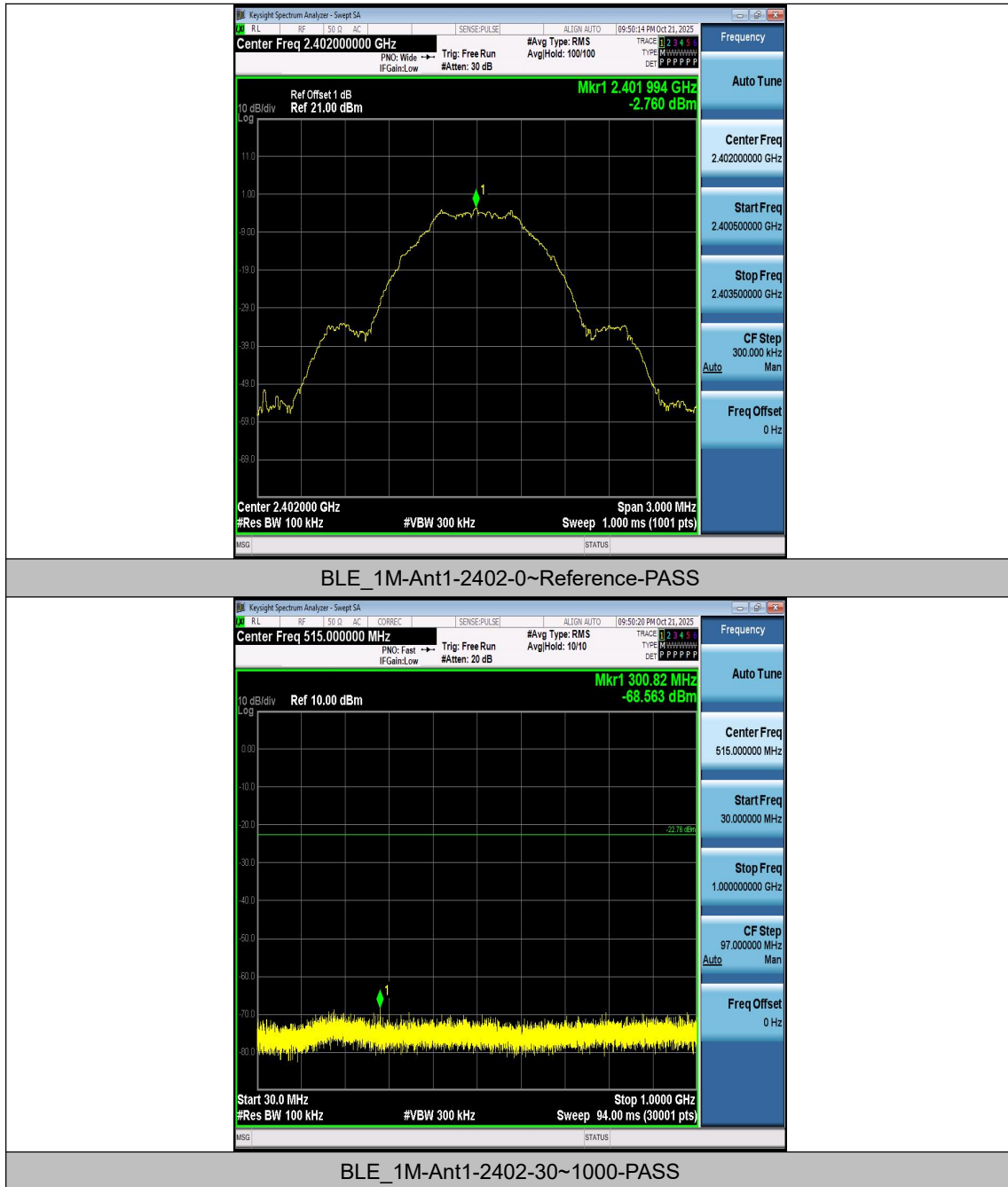
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.76	-2.76	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.76	-68.56	≤-22.76	PASS
BLE_1M	Ant1	2402	1000~26500	-2.76	-53.77	≤-22.76	PASS
BLE_1M	Ant1	2440	0~Reference	-2.06	-2.06	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.06	-63.59	≤-22.06	PASS
BLE_1M	Ant1	2440	1000~26500	-2.06	-54	≤-22.06	PASS
BLE_1M	Ant1	2480	0~Reference	-2.27	-2.27	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.27	-68.55	≤-22.27	PASS
BLE_1M	Ant1	2480	1000~26500	-2.27	-53.8	≤-22.27	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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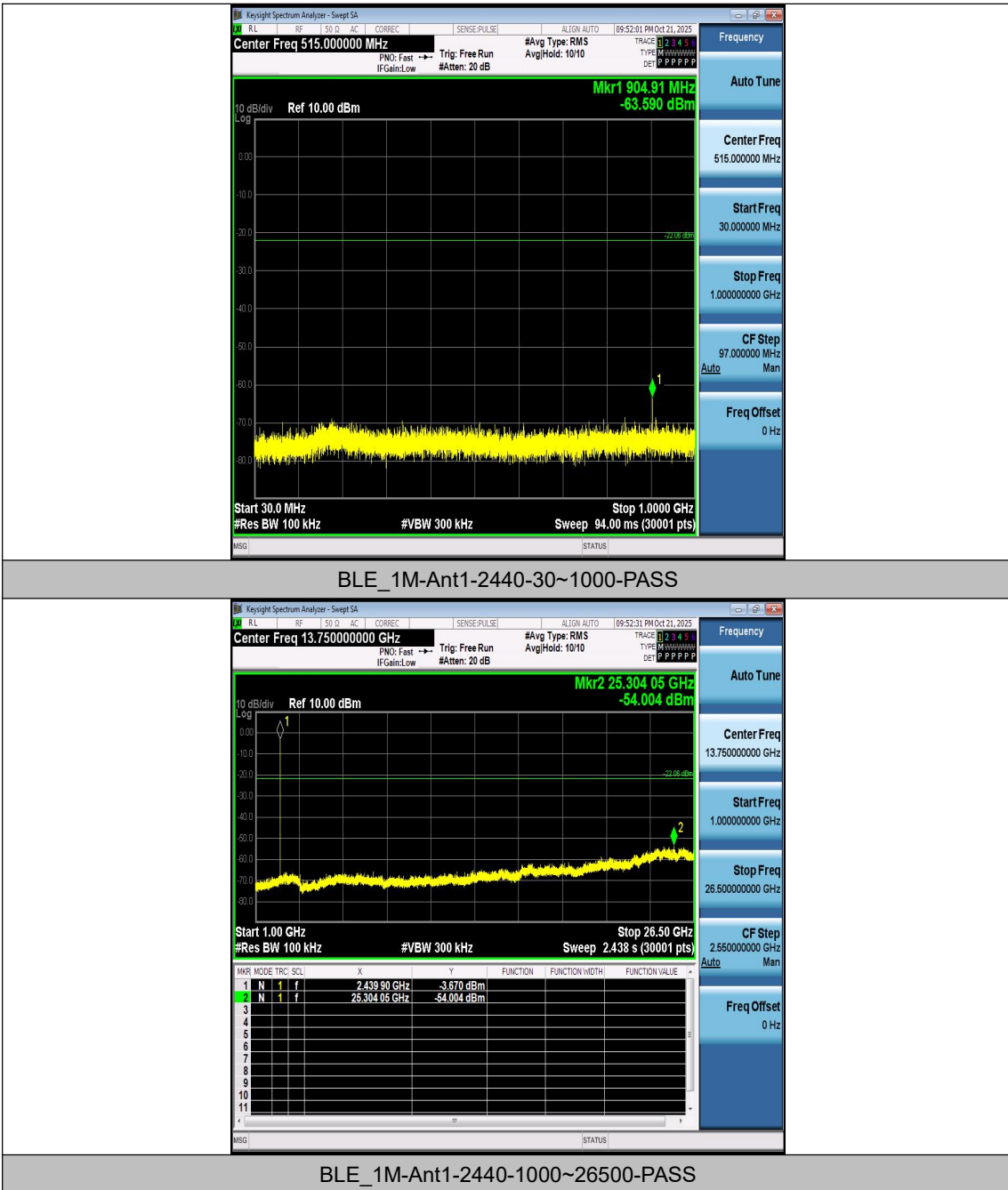
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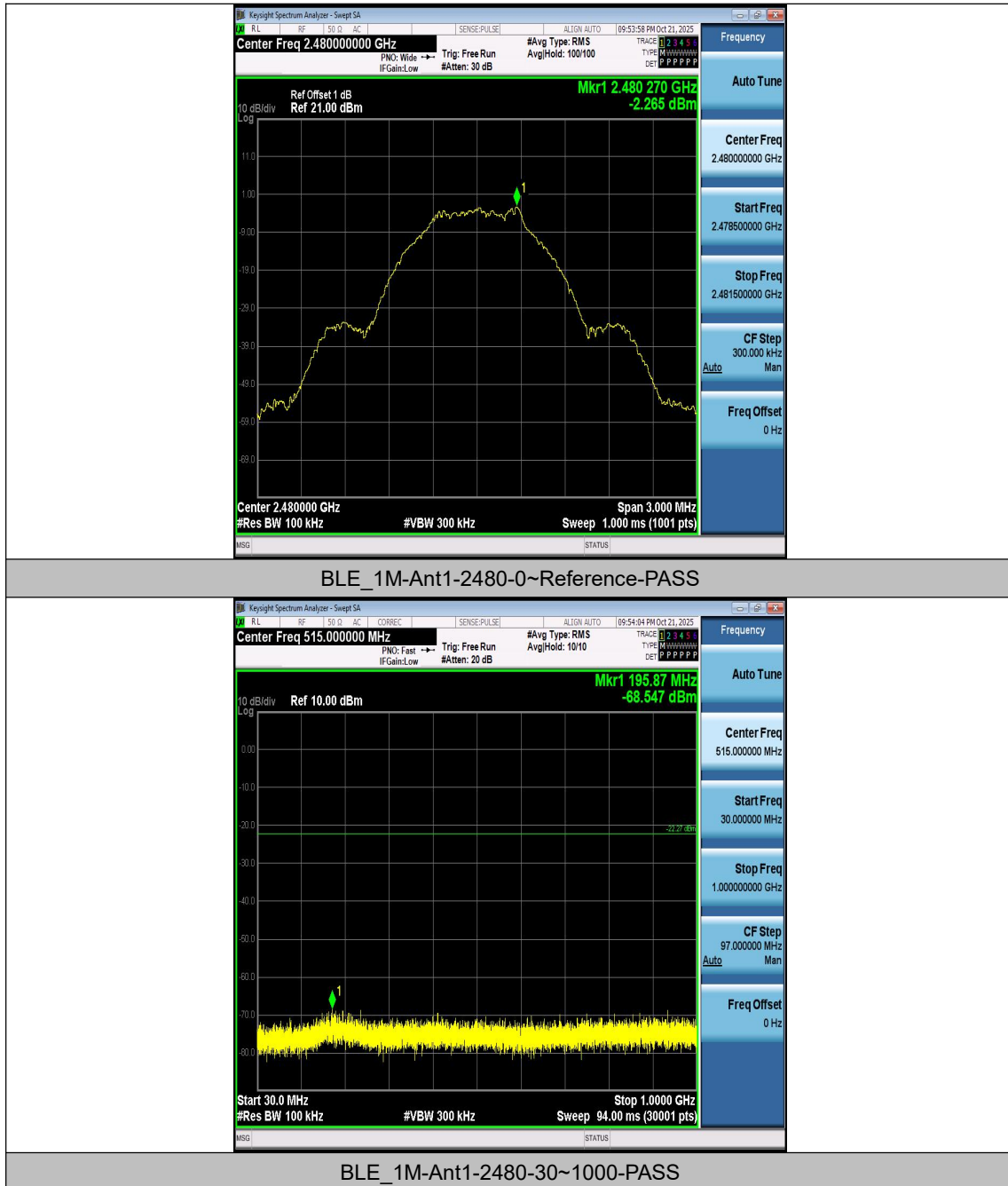
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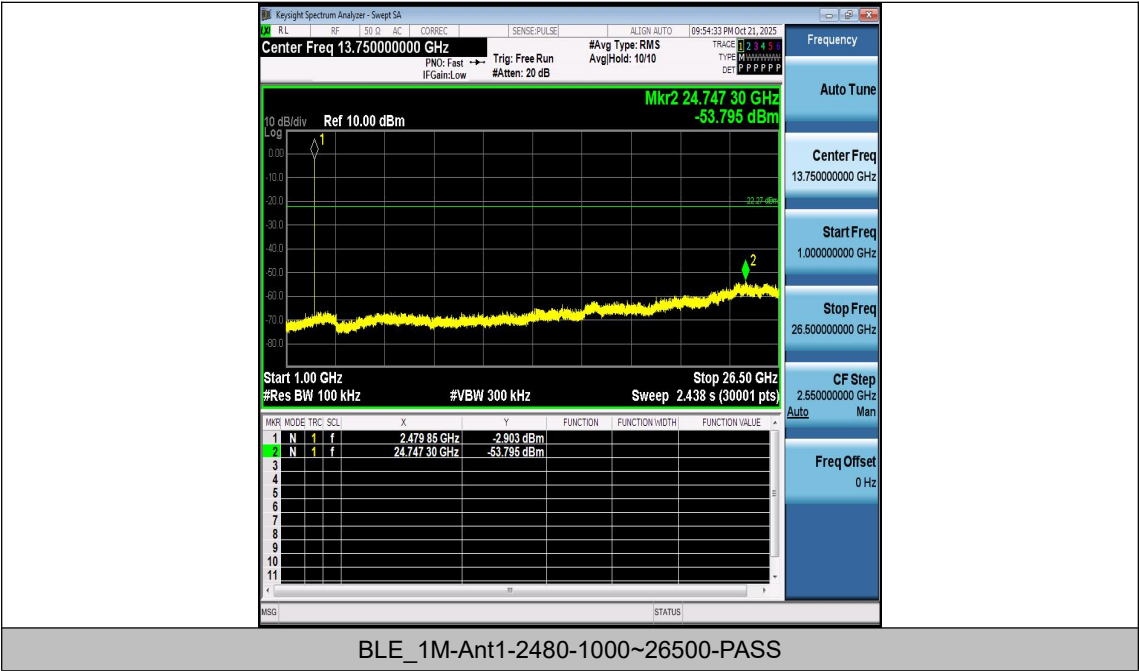
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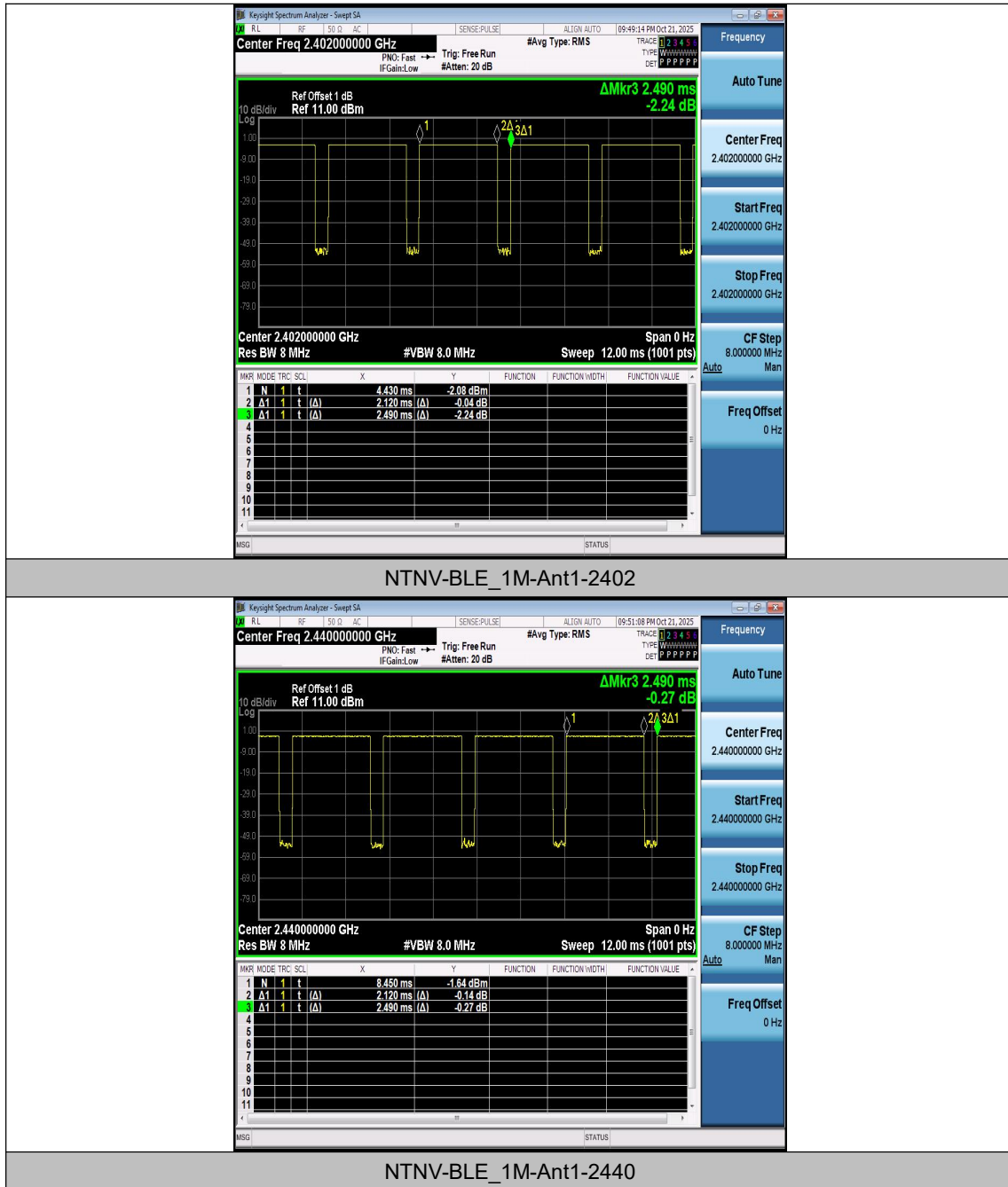
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Appendix G: Duty Cycle

Test Result

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

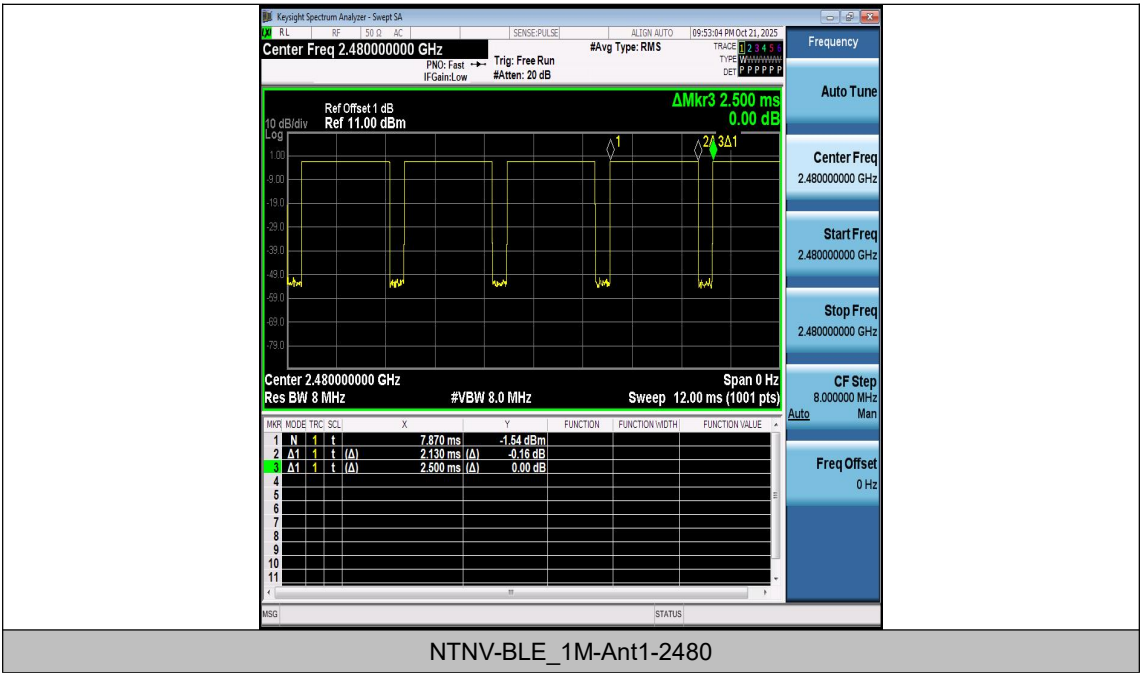
Test Graphs



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