

Appendix Test Data

Report No.:	1812C50510112501	Test Sample No.:	1-2-2
Start Test Date:	2025-10-14	Finish Test Date:	2025-10-15
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.4°C	Relative Humidity:	64%
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	0.656	2401.732	2402.388	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.720	2440.388	0.5	PASS
BLE_1M	Ant1	2480	0.676	2479.716	2480.392	0.5	PASS

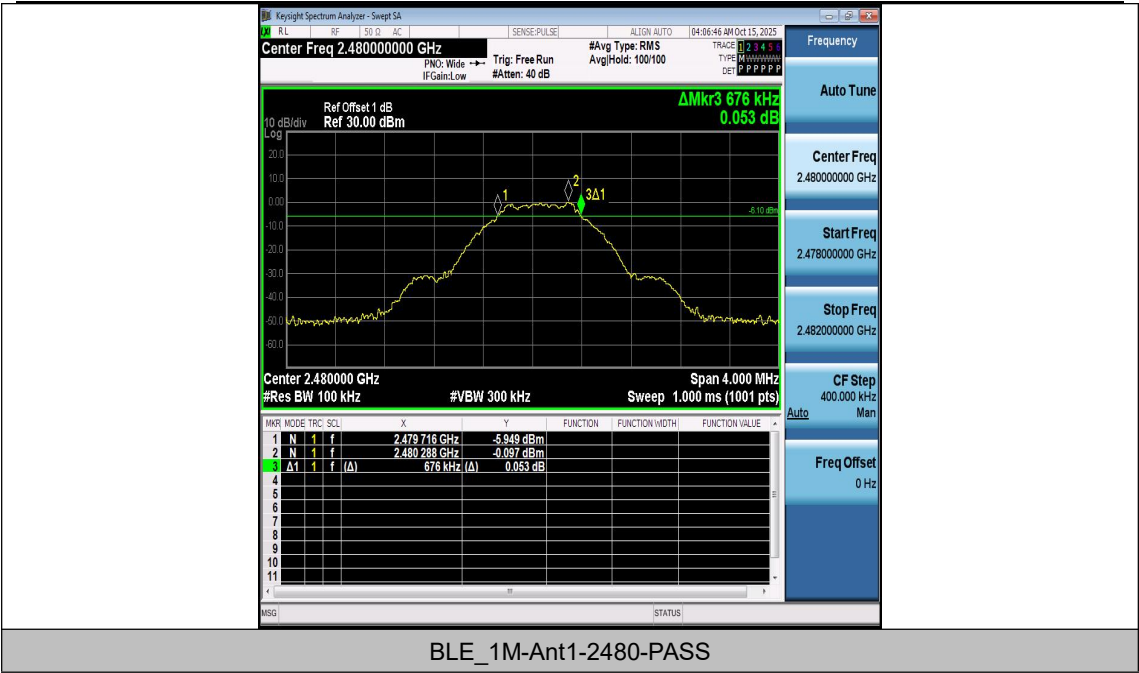
Test Graphs



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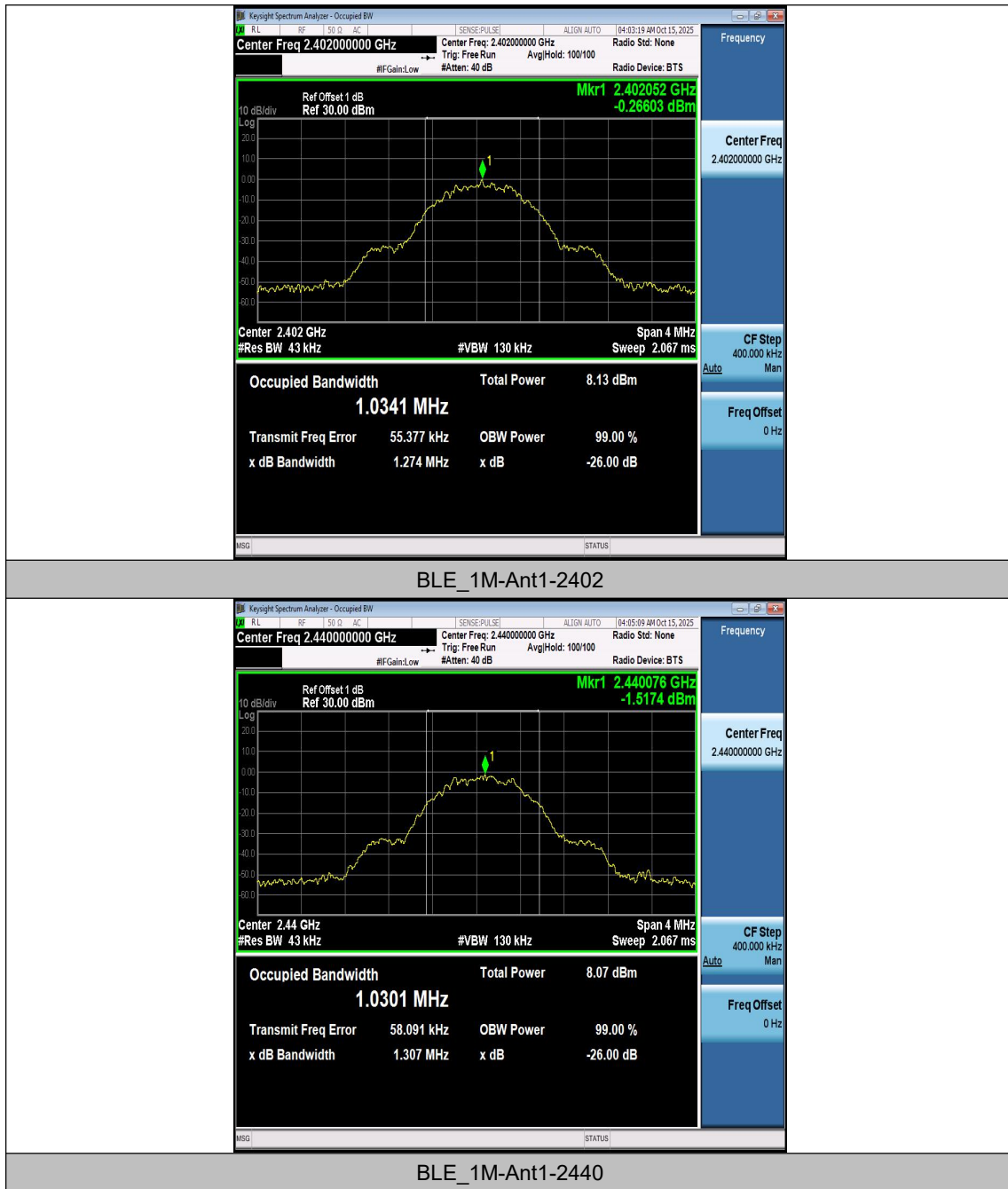
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0341	2401.5383	2402.5724	---	---
BLE_1M	Ant1	2440	1.0301	2439.5430	2440.5731	---	---
BLE_1M	Ant1	2480	1.0375	2479.5379	2480.5754	---	---

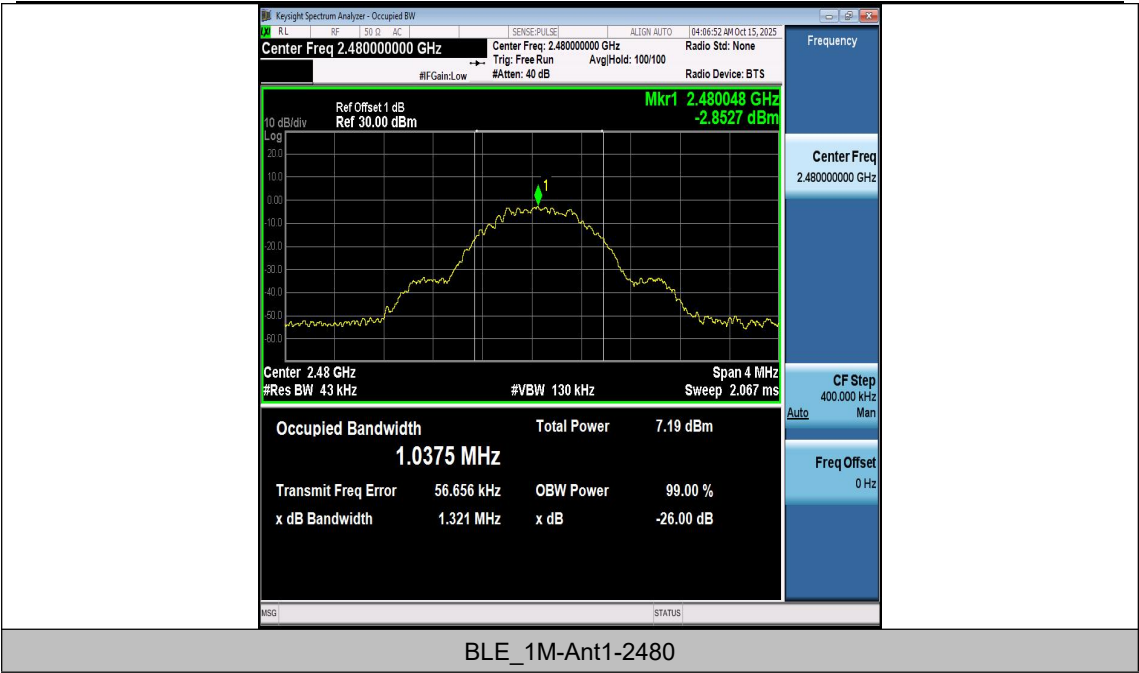
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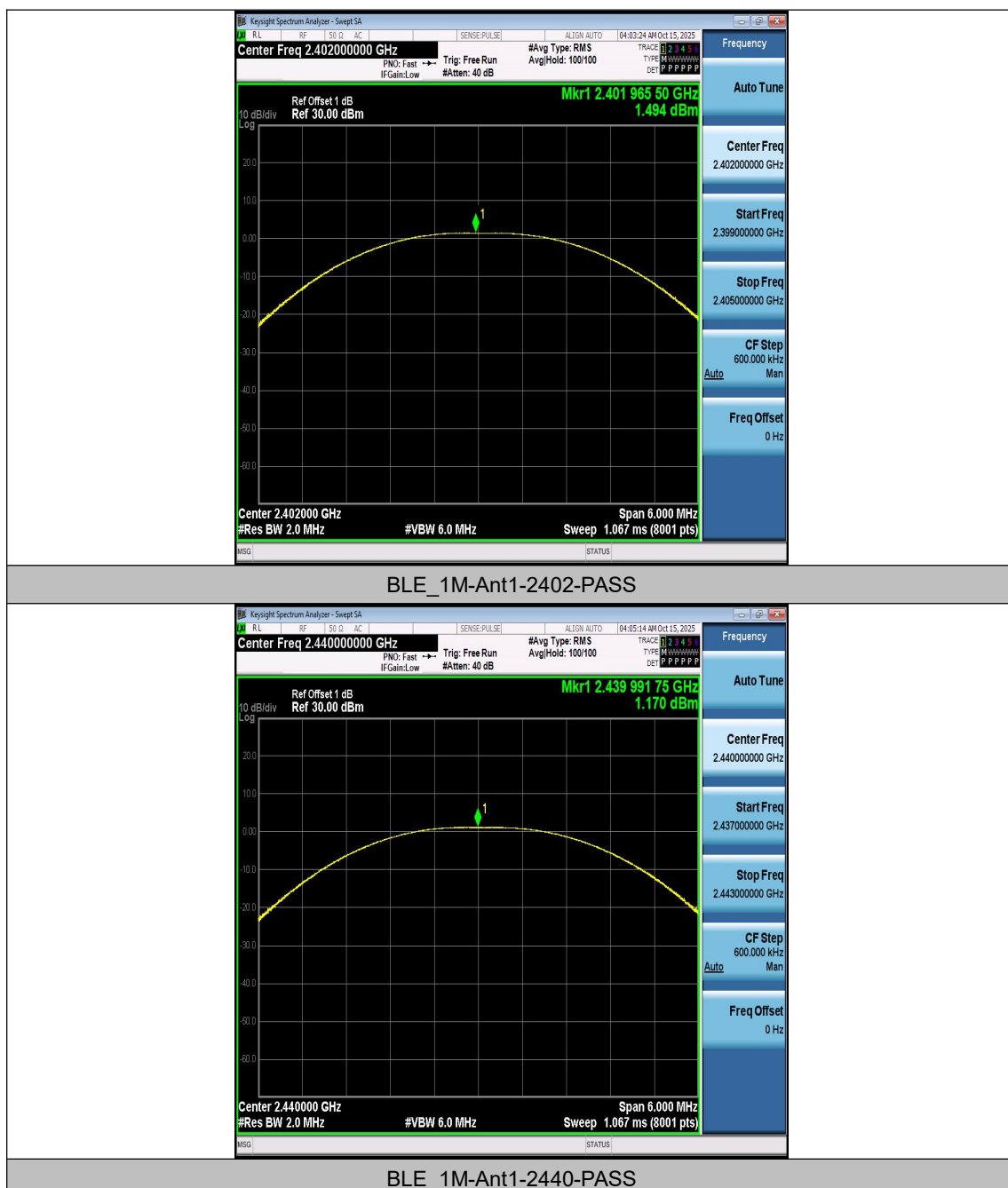
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.49	≤30	PASS
BLE_1M	Ant1	2440	1.17	≤30	PASS
BLE_1M	Ant1	2480	0.61	≤30	PASS

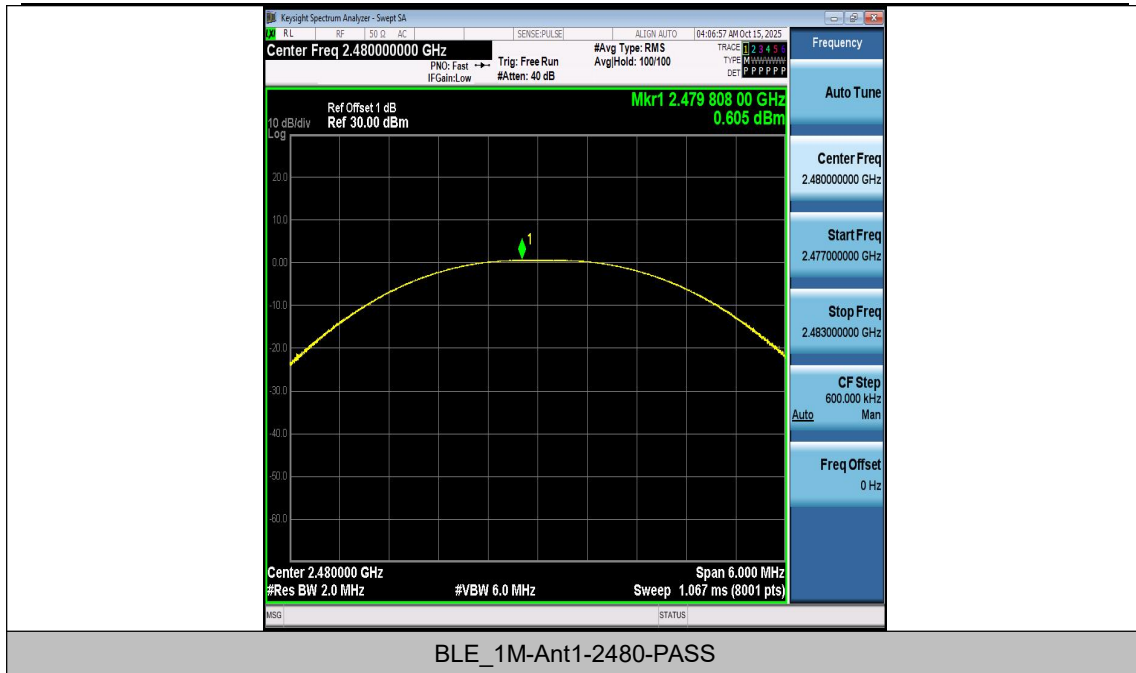
Test Graphs Peak



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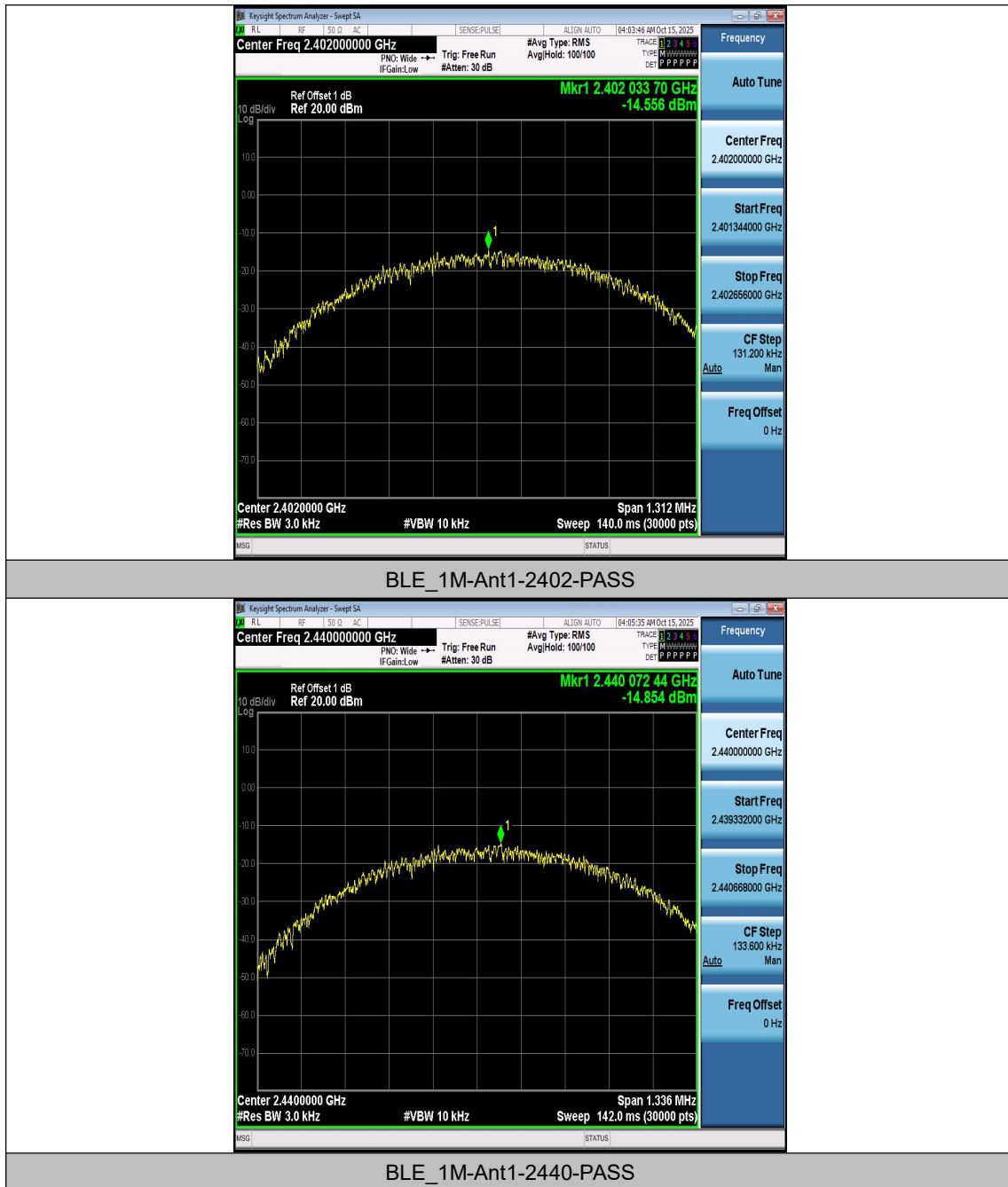
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.56	≤8.00	PASS
BLE_1M	Ant1	2440	-14.85	≤8.00	PASS
BLE_1M	Ant1	2480	-15.43	≤8.00	PASS

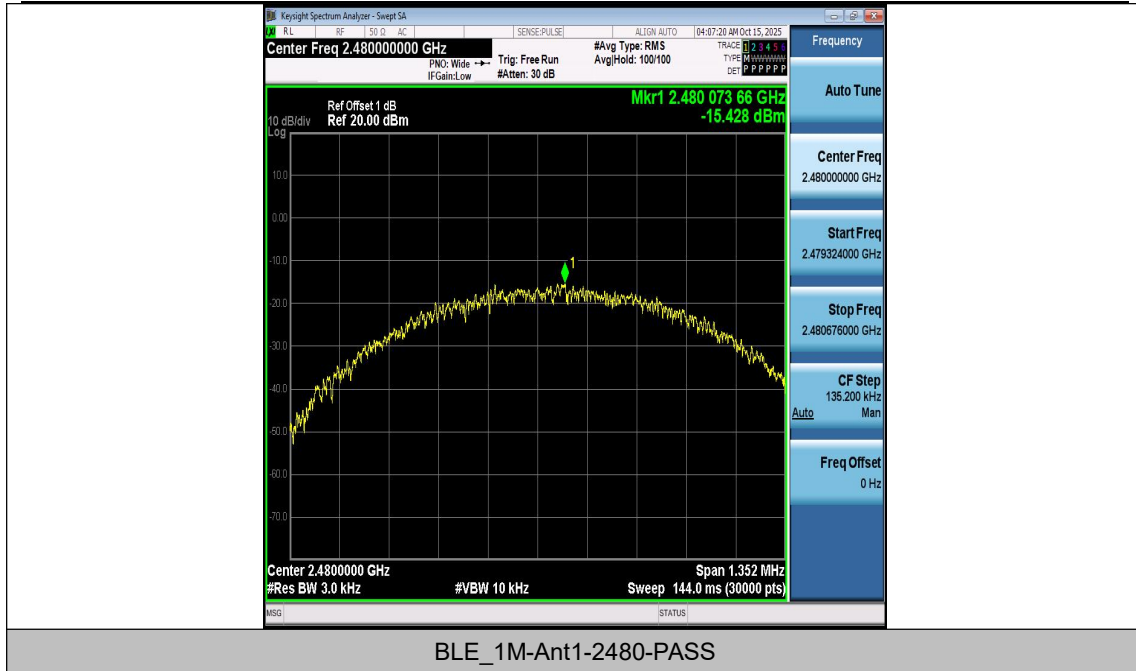
Test Graphs



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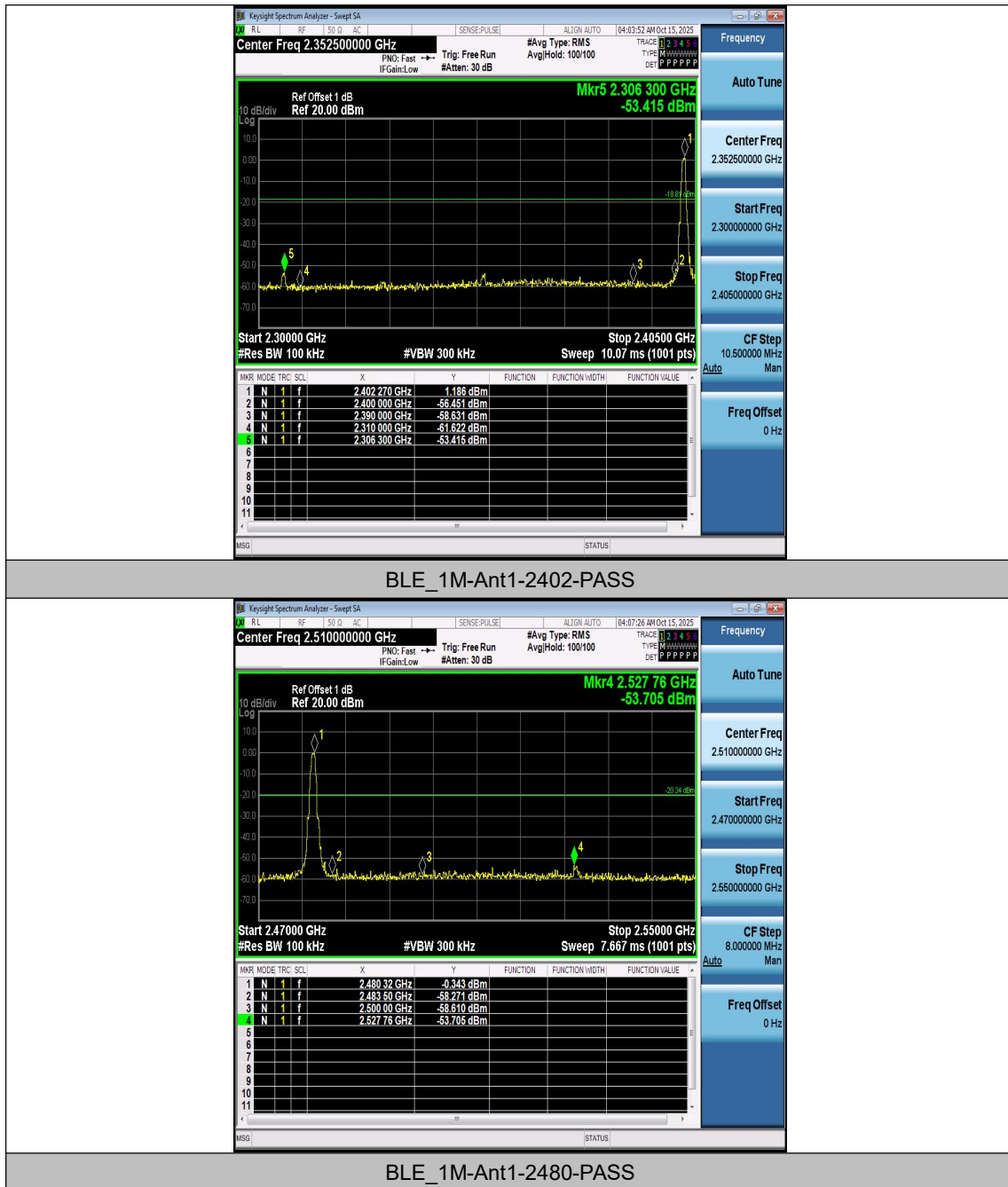
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.19	-53.42	≤-18.81	PASS
BLE_1M	Ant1	High	2480	-0.34	-53.71	≤-20.34	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



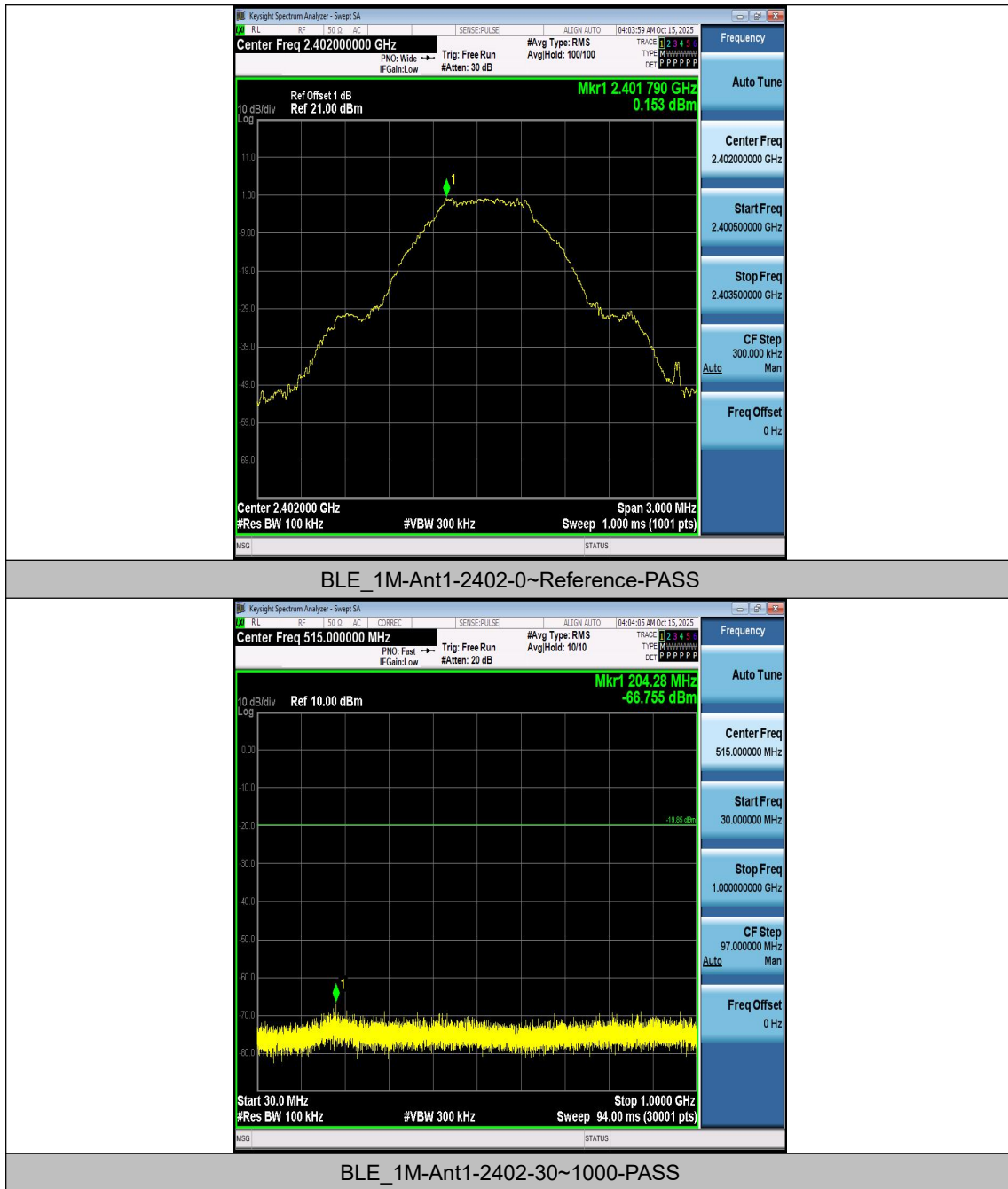
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.15	0.15	---	PASS
BLE_1M	Ant1	2402	30~1000	0.15	-66.76	≤-19.85	PASS
BLE_1M	Ant1	2402	1000~26500	0.15	-44.13	≤-19.85	PASS
BLE_1M	Ant1	2440	0~Reference	0.17	0.17	---	PASS
BLE_1M	Ant1	2440	30~1000	0.17	-68.8	≤-19.83	PASS
BLE_1M	Ant1	2440	1000~26500	0.17	-44.68	≤-19.83	PASS
BLE_1M	Ant1	2480	0~Reference	0.47	0.47	---	PASS
BLE_1M	Ant1	2480	30~1000	0.47	-68.31	≤-19.53	PASS
BLE_1M	Ant1	2480	1000~26500	0.47	-45.4	≤-19.53	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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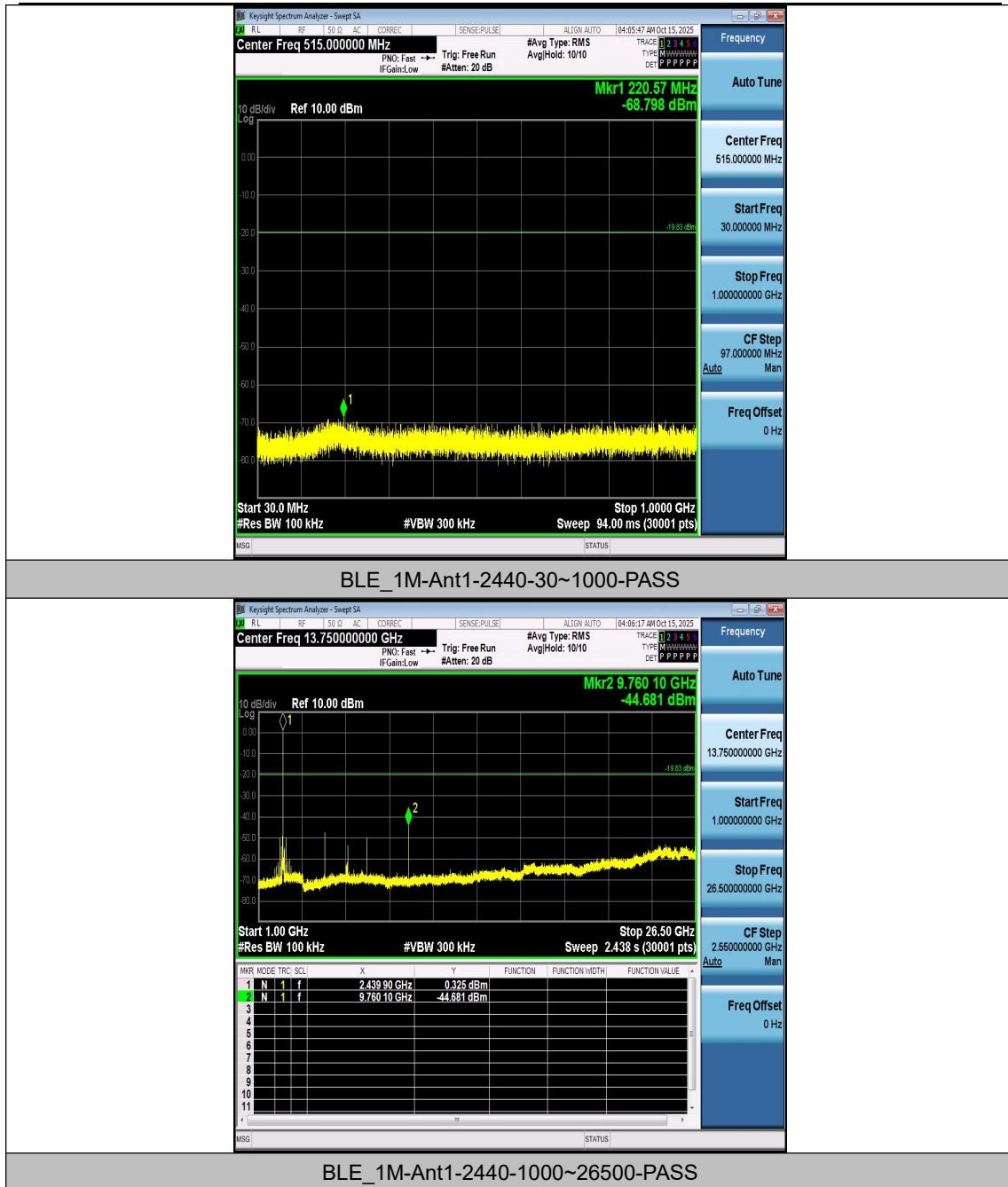
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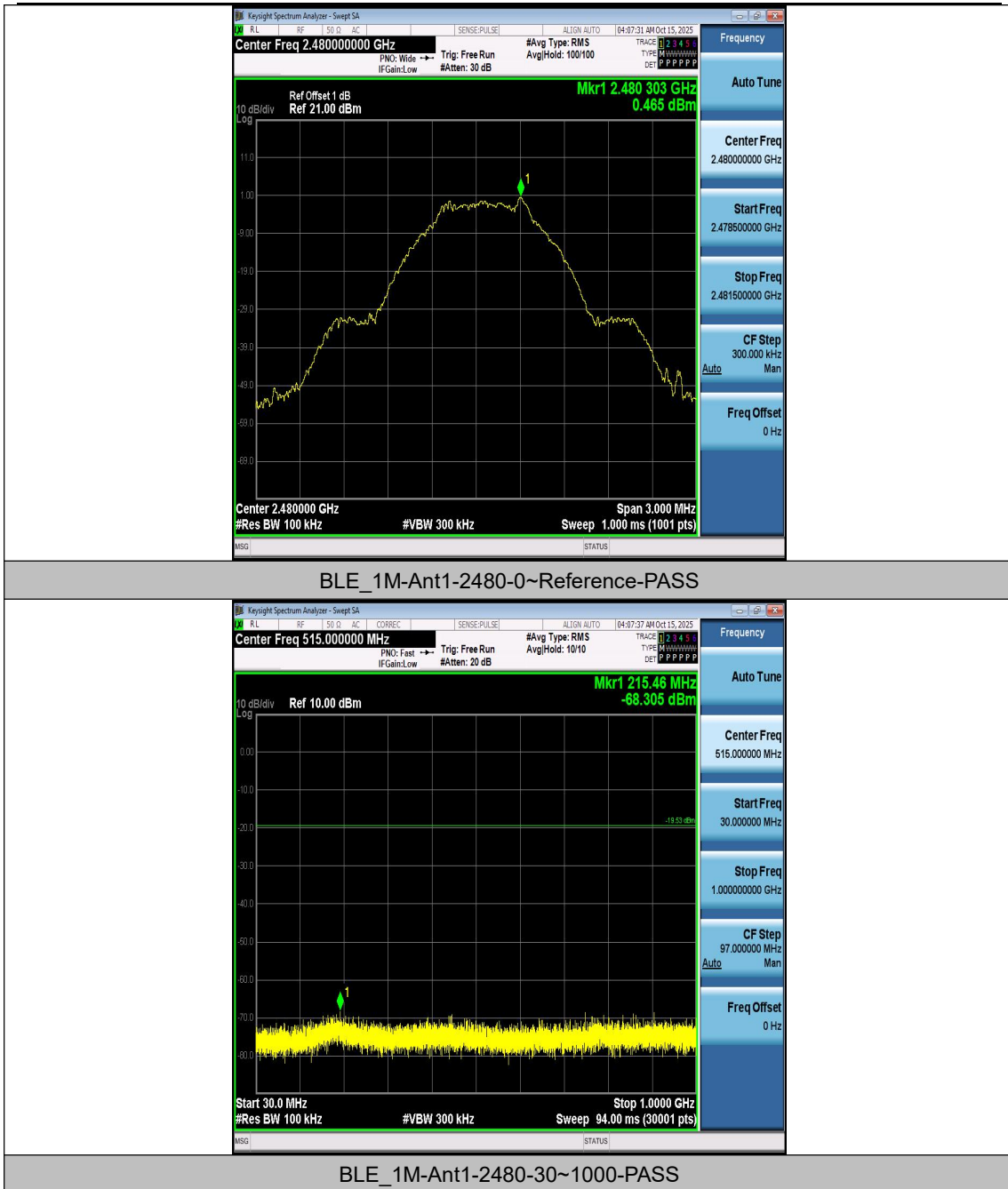
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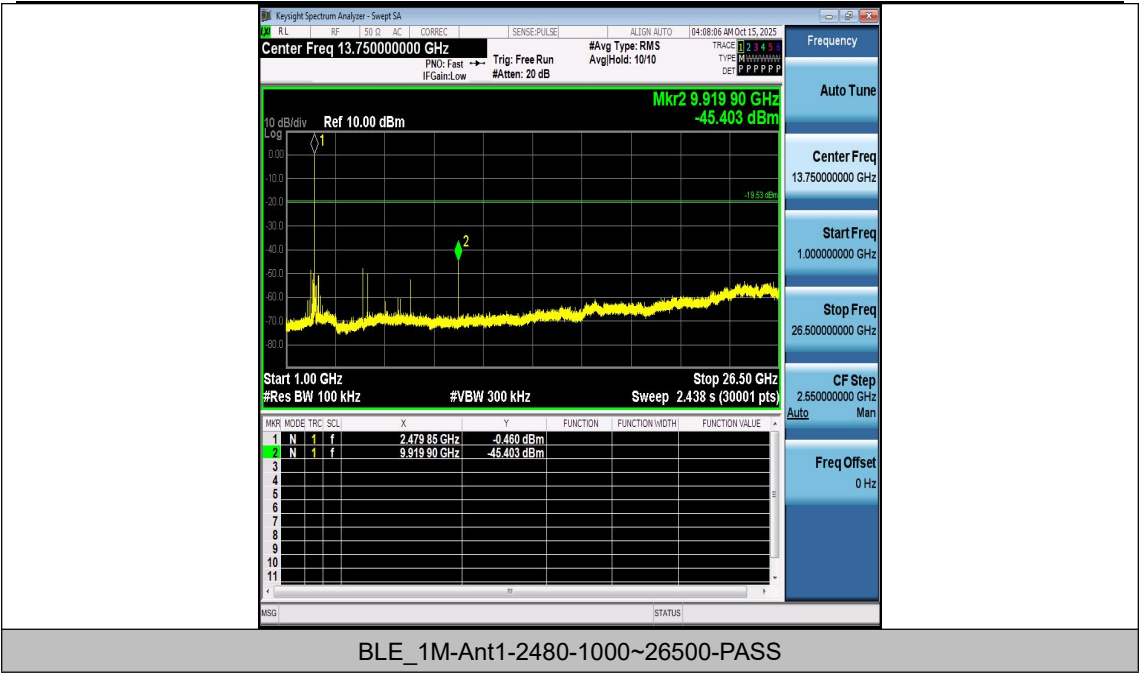
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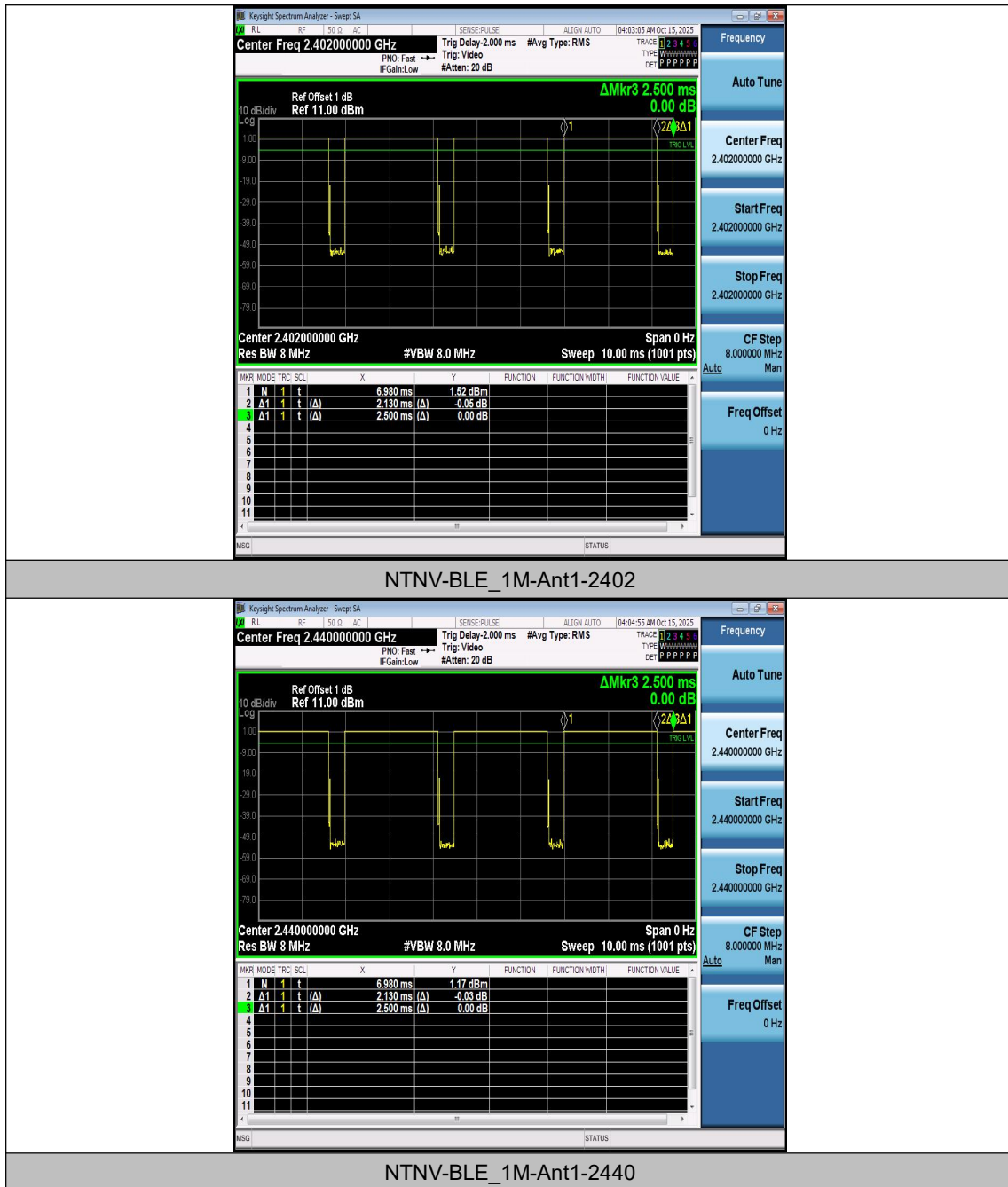
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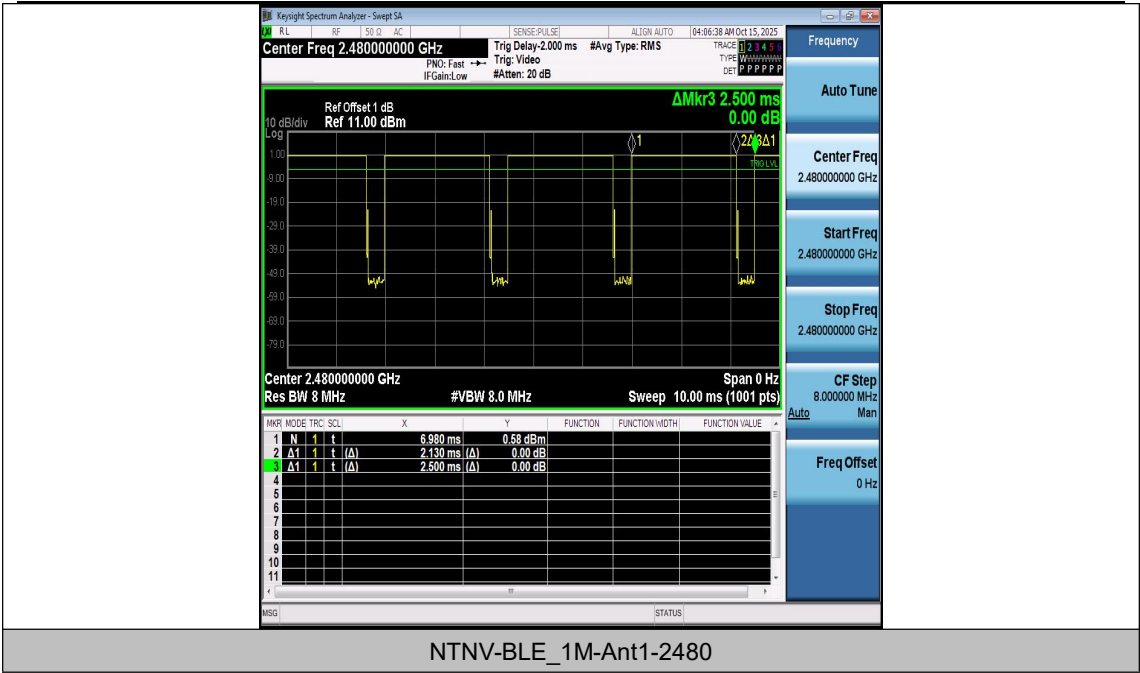
Appendix G: Duty Cycle

Test Result

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

Test Graphs





---End---

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