

Appendix Test Data

Report No.:	1812C50647612502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-9	Finish Test Date:	2025-12-9
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.7°C	Relative Humidity:	45%
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	0.668	2401.668	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.684	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.628	2479.712	2480.340	0.5	PASS

Test Graphs



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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	1.0229	2401.4932	2402.5161	---	---
BLE_1M	Ant1	2440	1.0433	2439.4942	2440.5375	---	---
BLE_1M	Ant1	2480	1.0341	2479.4918	2480.5259	---	---

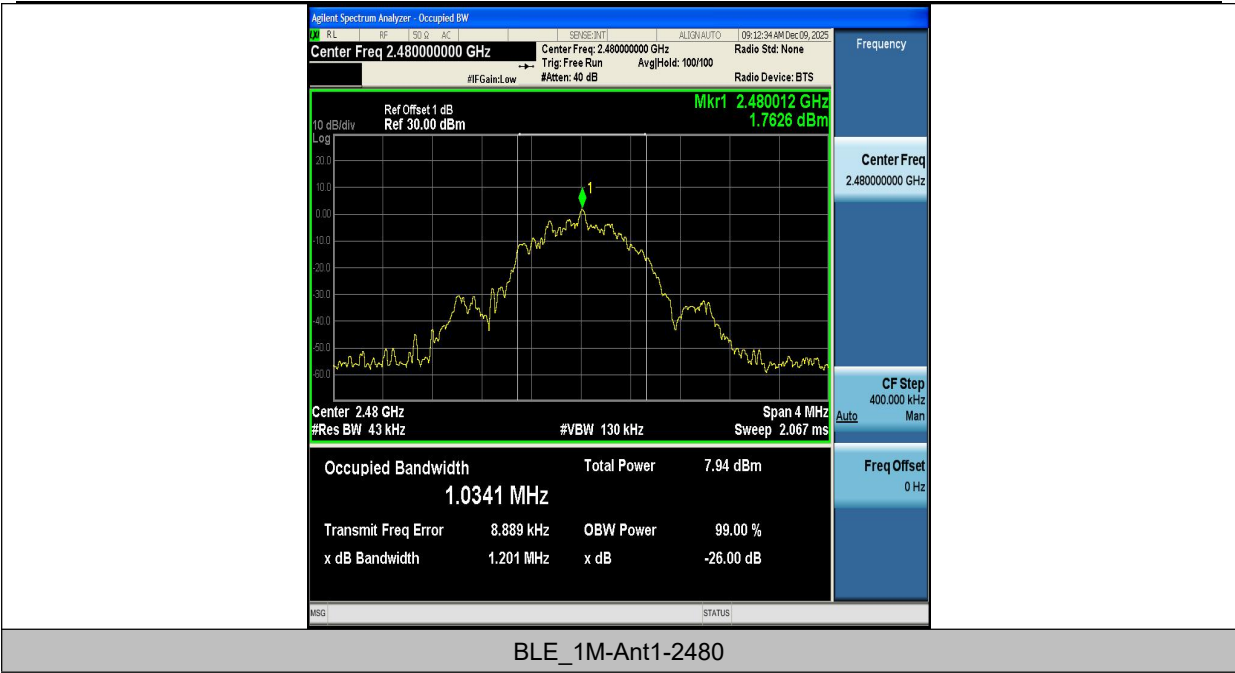
Test Graphs



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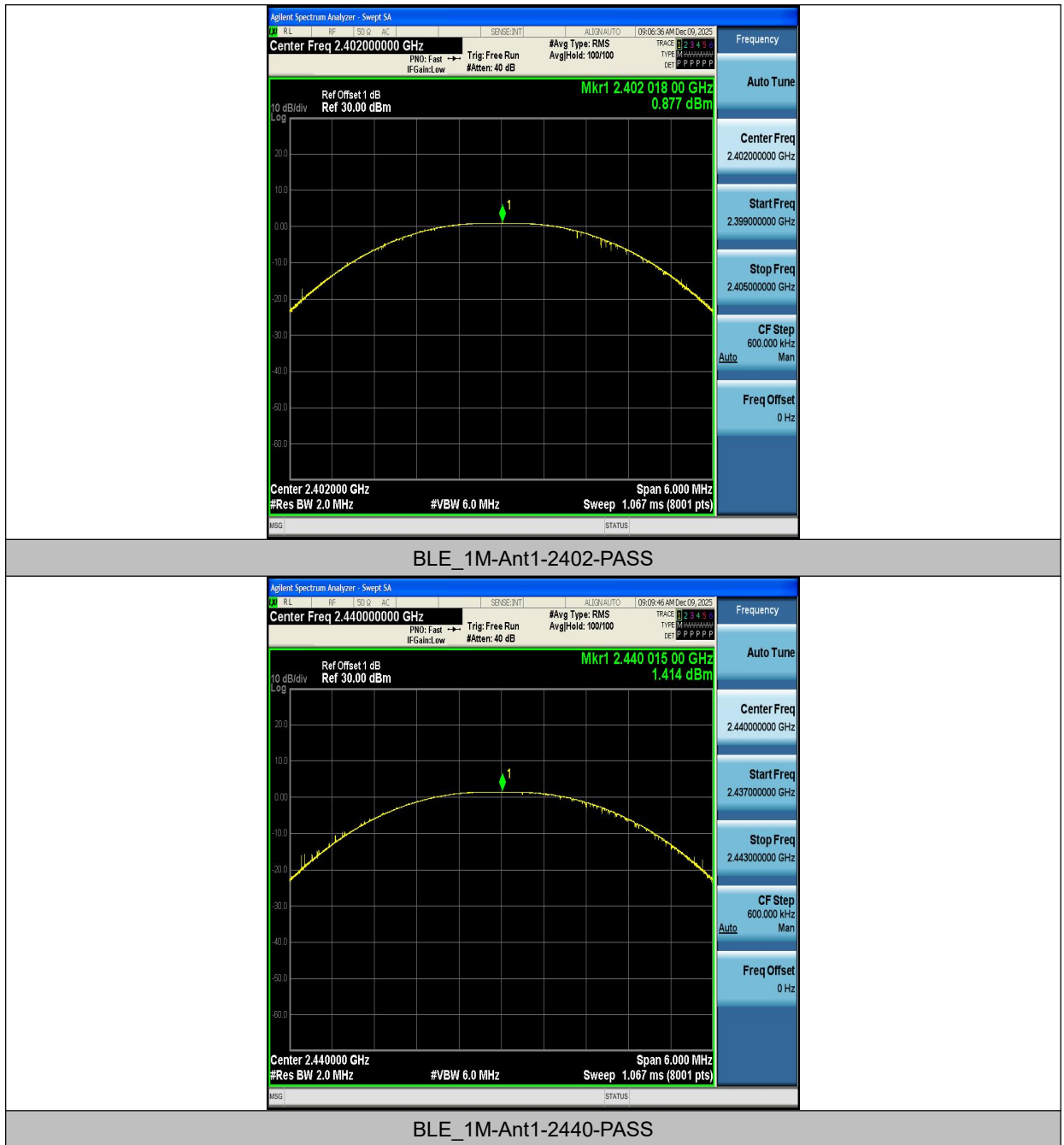
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.88	≤30	PASS
BLE_1M	Ant1	2440	1.41	≤30	PASS
BLE_1M	Ant1	2480	2.32	≤30	PASS

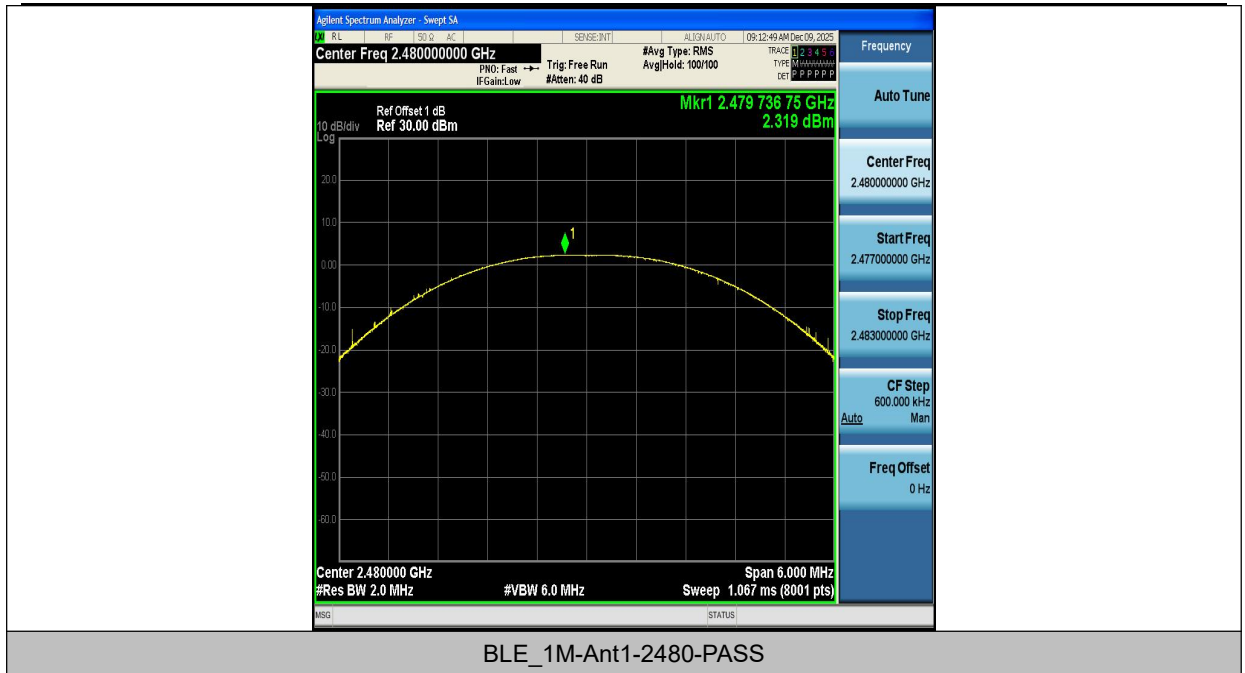
Test Graphs Peak



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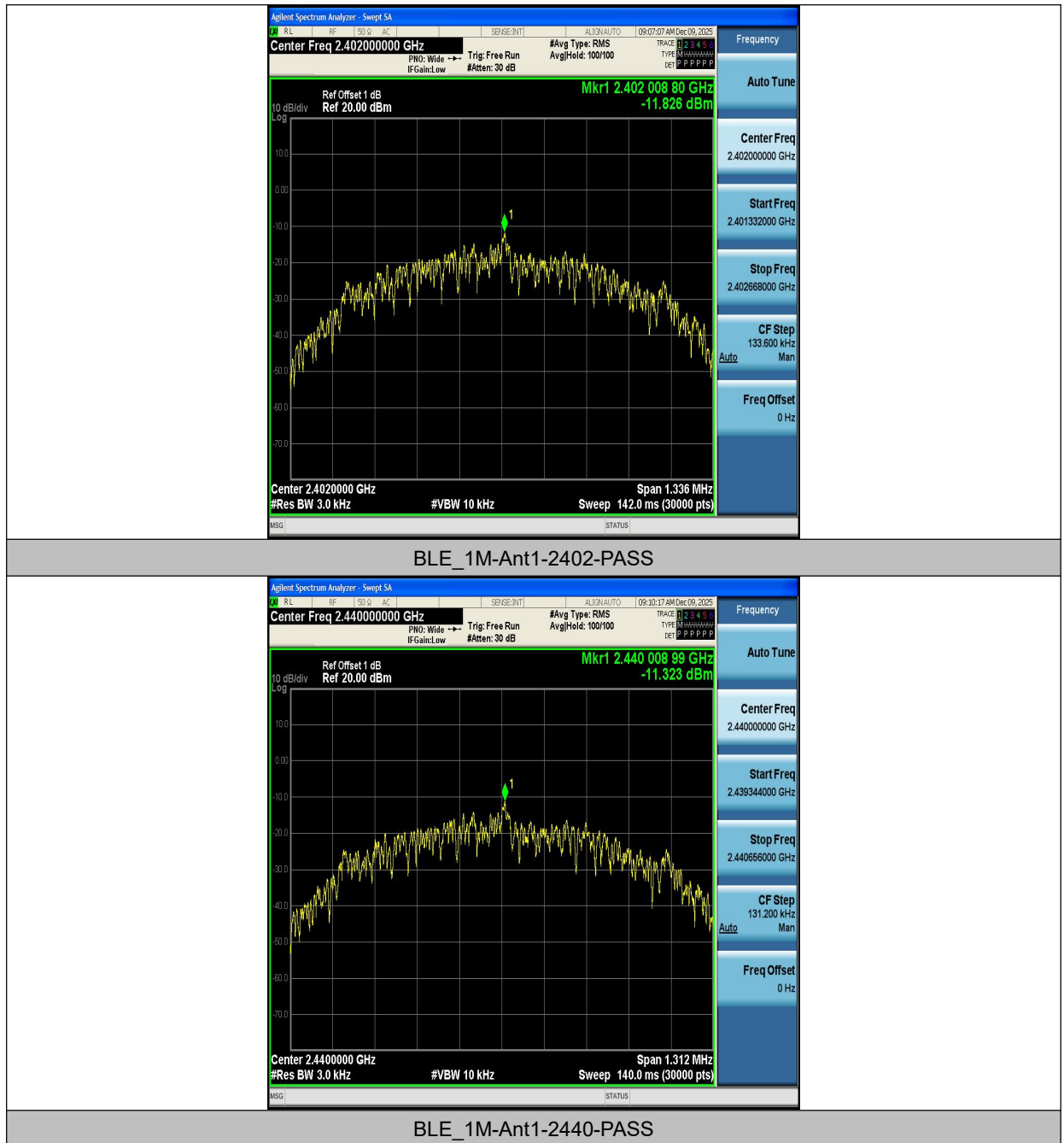
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.83	≤8.00	PASS
BLE_1M	Ant1	2440	-11.32	≤8.00	PASS
BLE_1M	Ant1	2480	-10.40	≤8.00	PASS

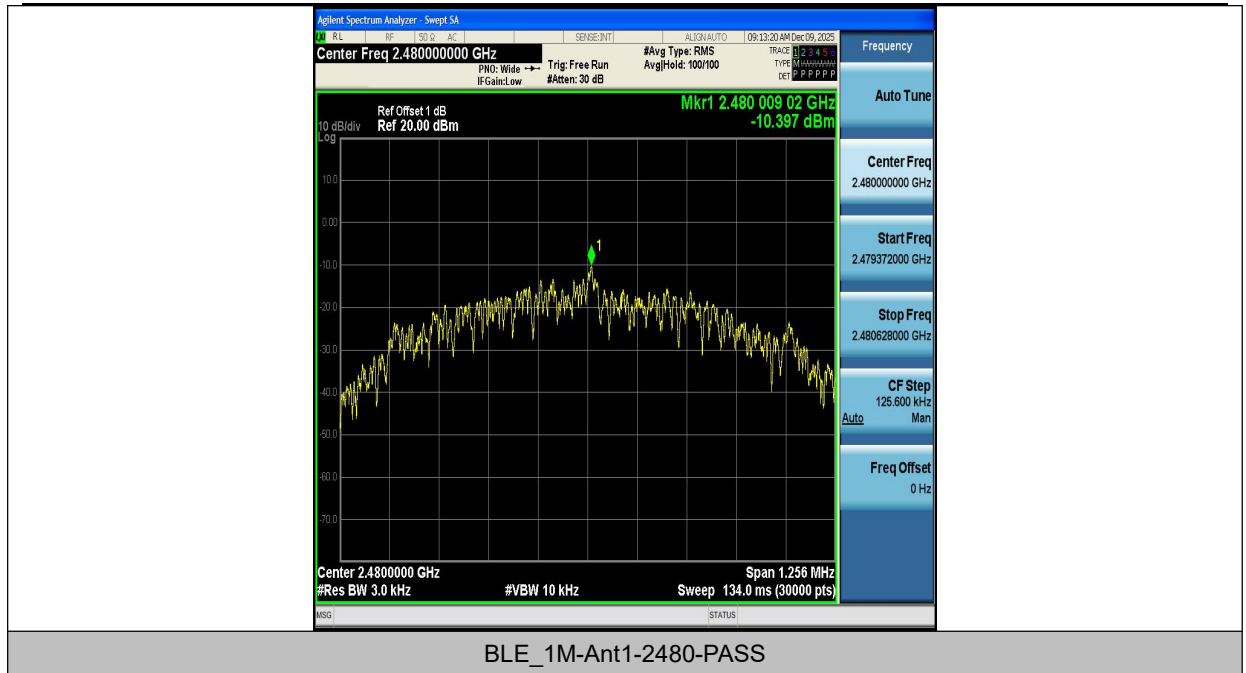
Test Graphs



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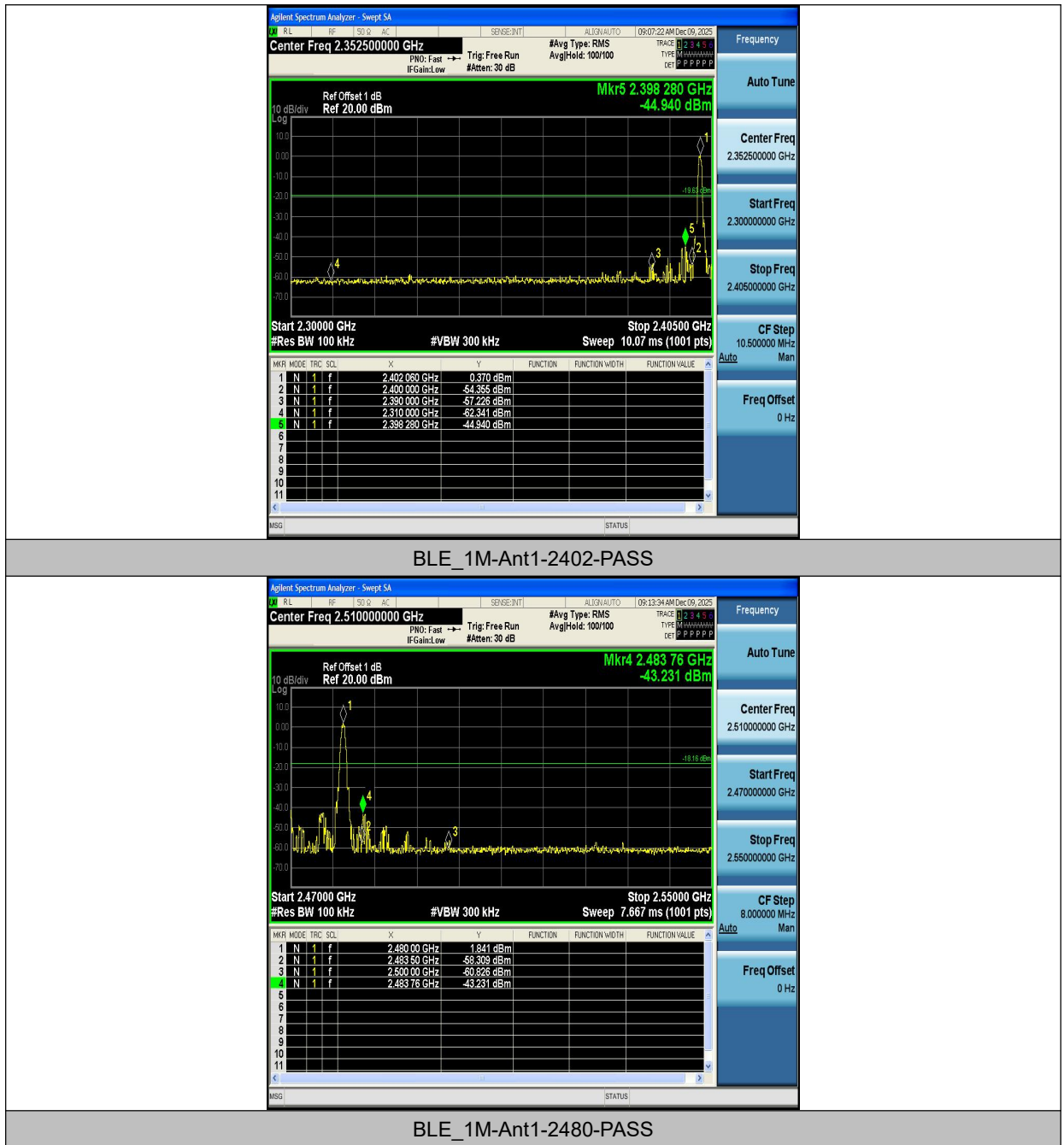
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.37	-44.94	≤-19.63	PASS
BLE_1M	Ant1	High	2480	1.84	-43.23	≤-18.16	PASS

Test Graphs



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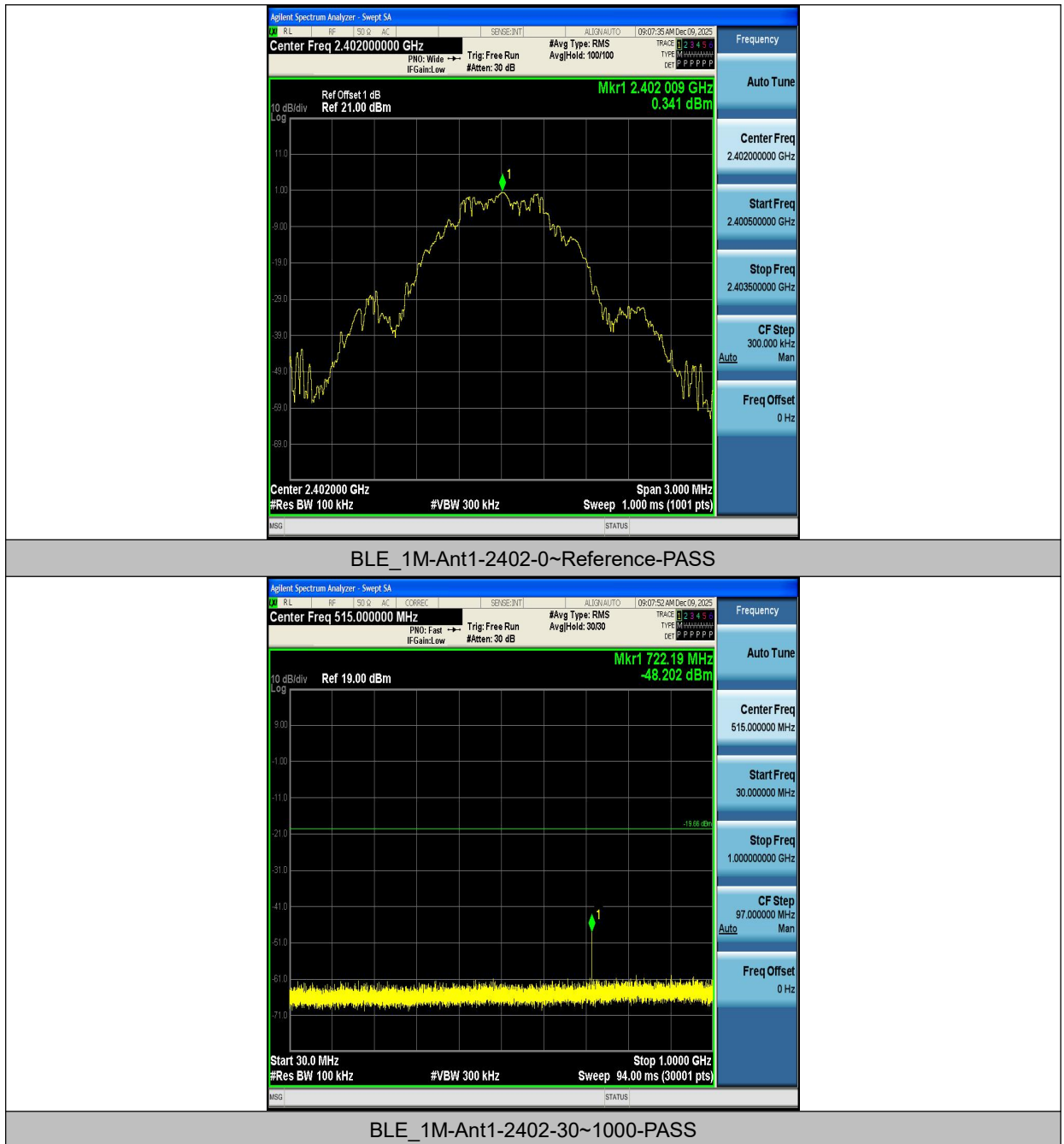
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.34	0.34	---	PASS
BLE_1M	Ant1	2402	30~1000	0.34	-48.2	≤-19.66	PASS
BLE_1M	Ant1	2402	1000~26500	0.34	-22.57	≤-19.66	PASS
BLE_1M	Ant1	2440	0~Reference	0.84	0.84	---	PASS
BLE_1M	Ant1	2440	30~1000	0.84	-60.24	≤-19.16	PASS
BLE_1M	Ant1	2440	1000~26500	0.84	-23.74	≤-19.16	PASS
BLE_1M	Ant1	2480	0~Reference	1.85	1.85	---	PASS
BLE_1M	Ant1	2480	30~1000	1.85	-60.22	≤-18.15	PASS
BLE_1M	Ant1	2480	1000~26500	1.85	-24.48	≤-18.15	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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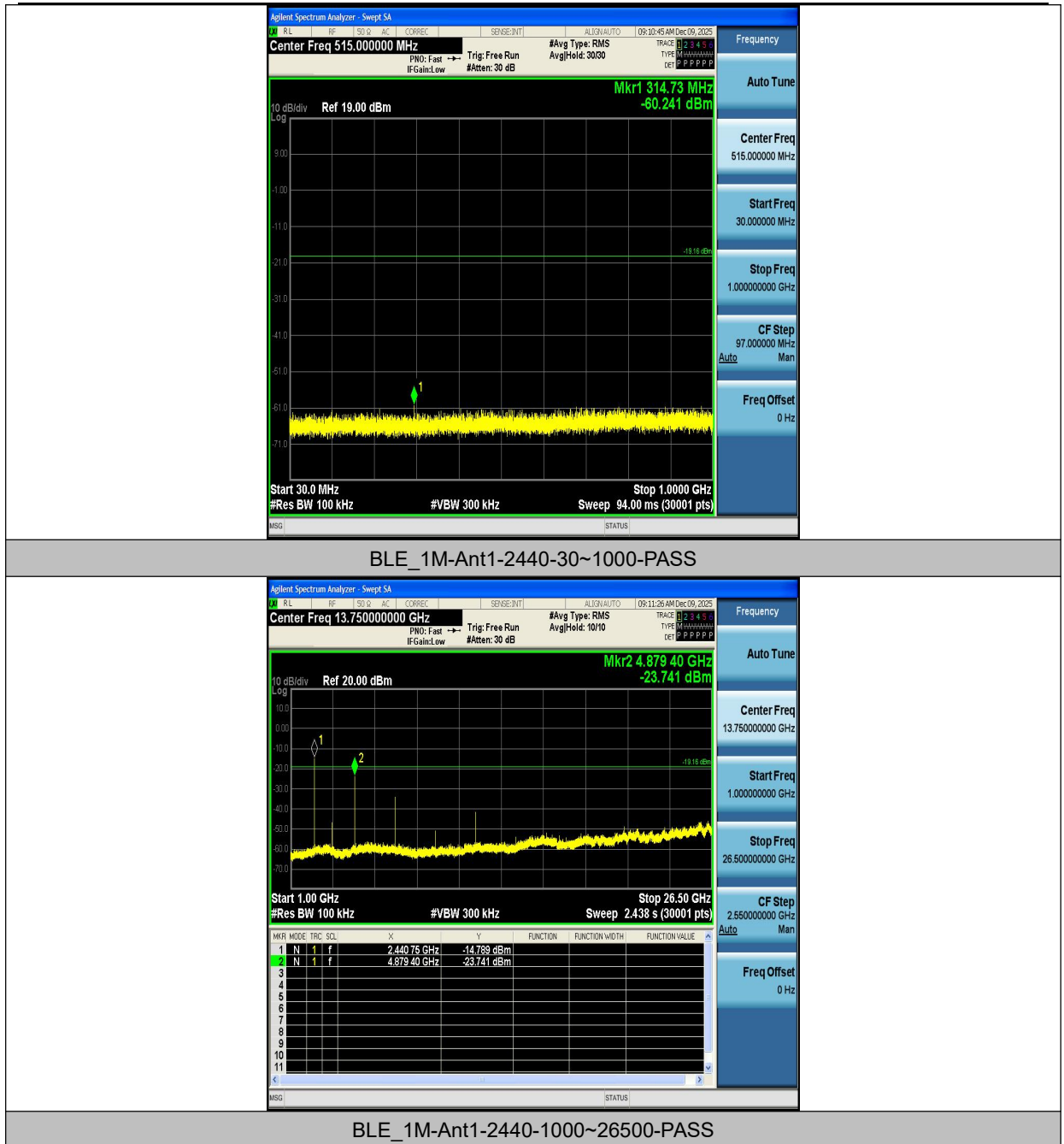
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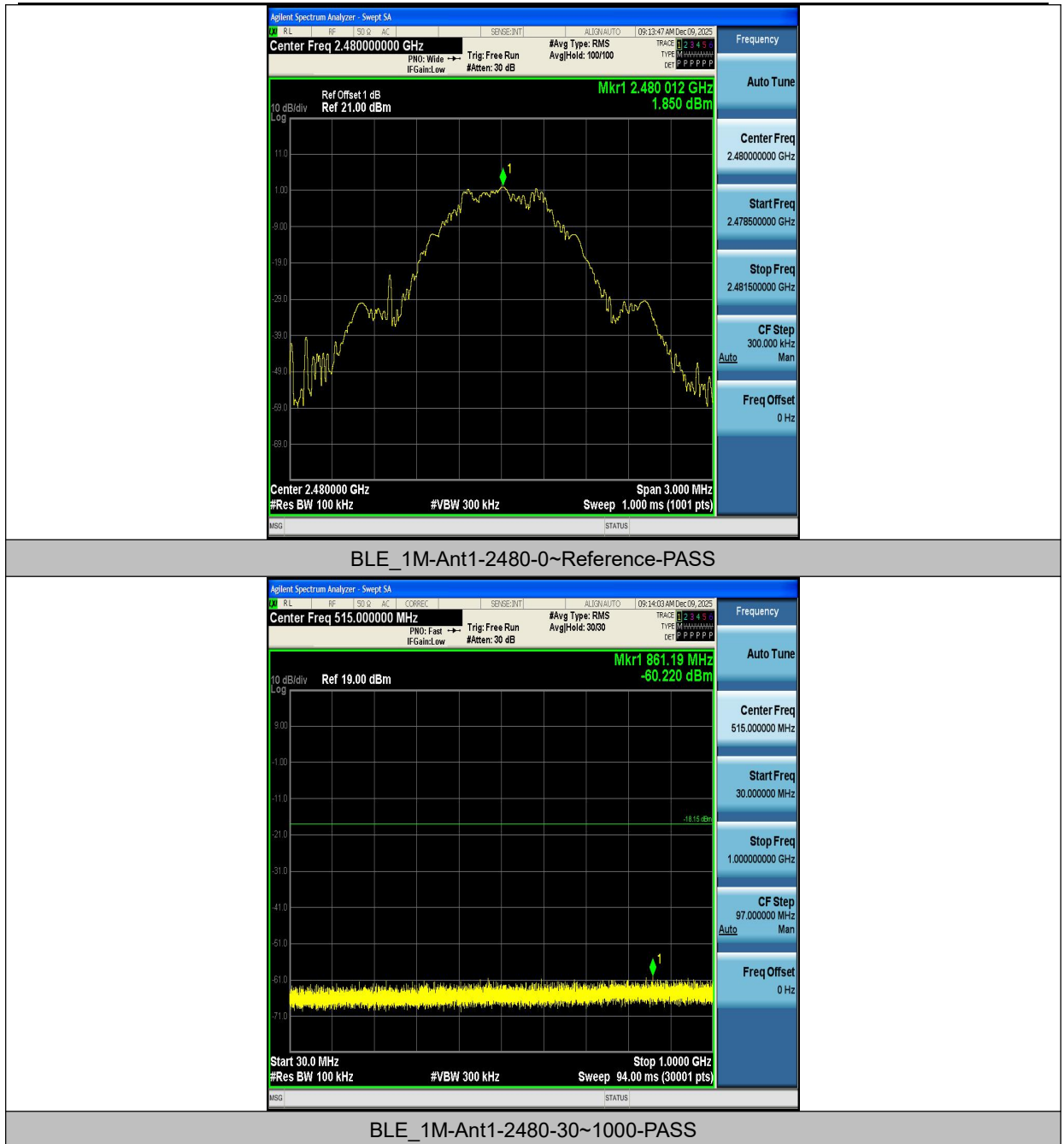
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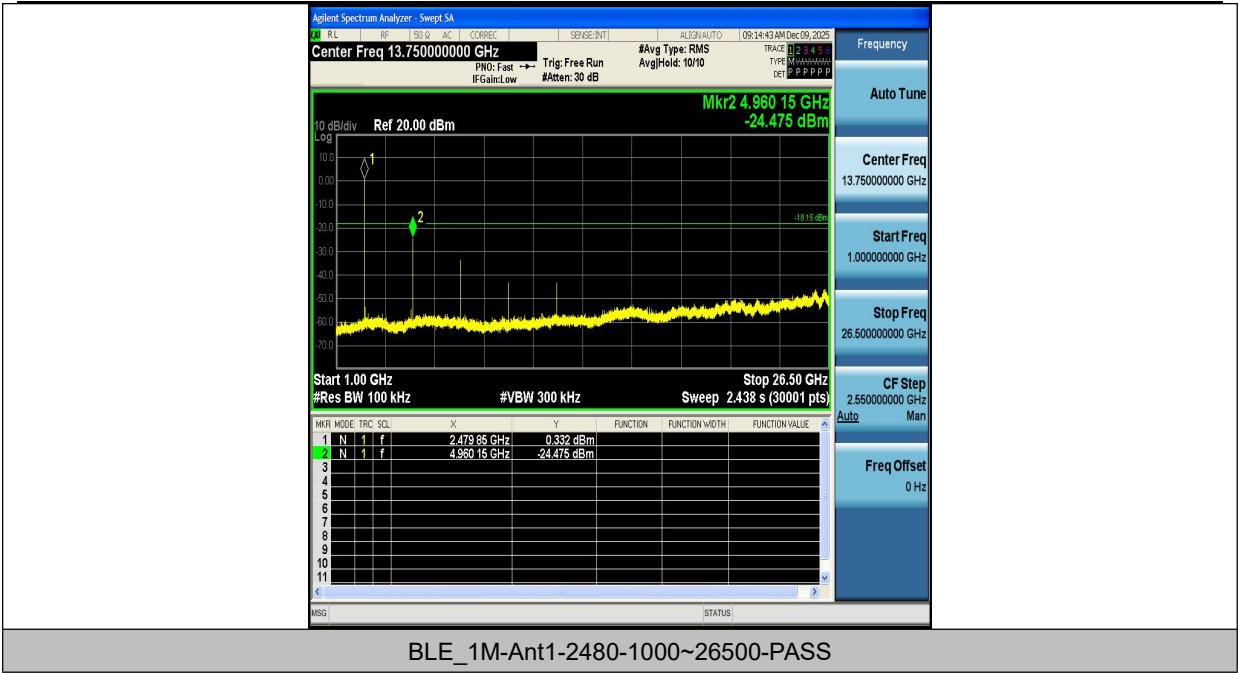
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	2.81	14.95	8.25
BLE_1M	Ant1	2440	0.42	2.82	14.89	8.27
BLE_1M	Ant1	2480	0.42	2.82	14.89	8.27

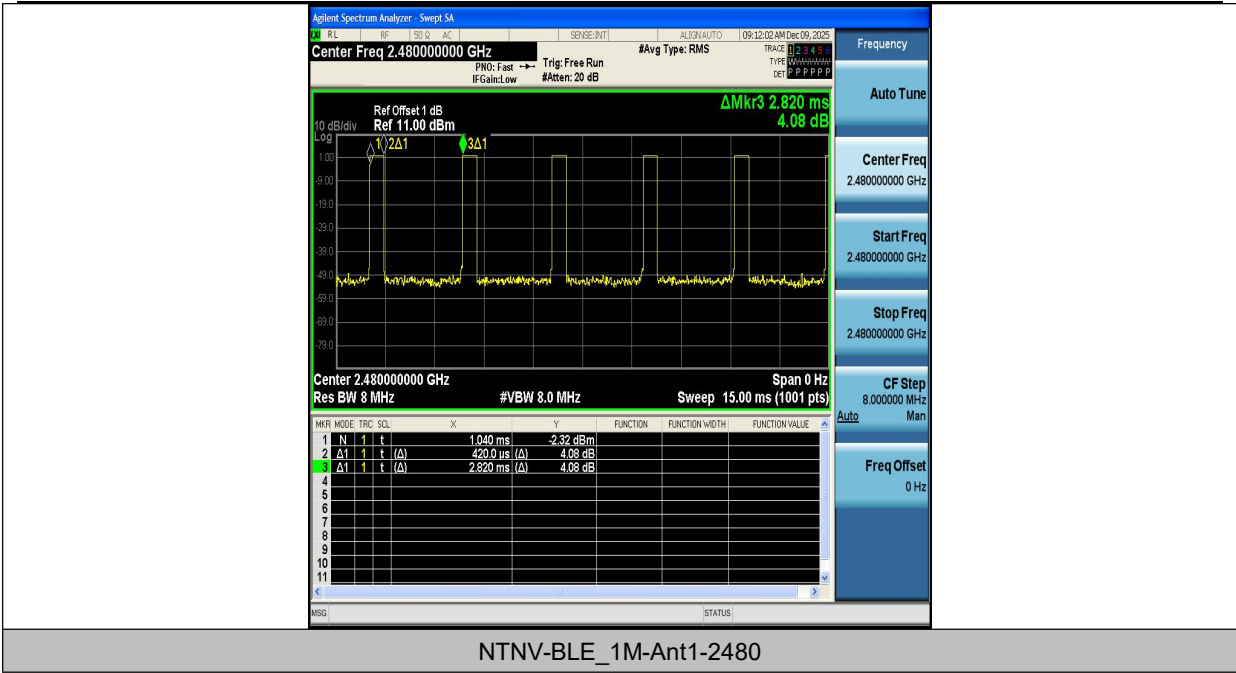
Test Graphs



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NTNV-BLE_1M-Ant1-2480

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