

Appendix Test Data

Report No.:	1812C50631712501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-4	Finish Test Date:	2025-12-4
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.7°C	Relative Humidity:	49%
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	0.796	2401.648	2402.444	0.5	PASS
BLE_1M	Ant1	2440	0.680	2439.672	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.688	2479.656	2480.344	0.5	PASS

Test Graphs



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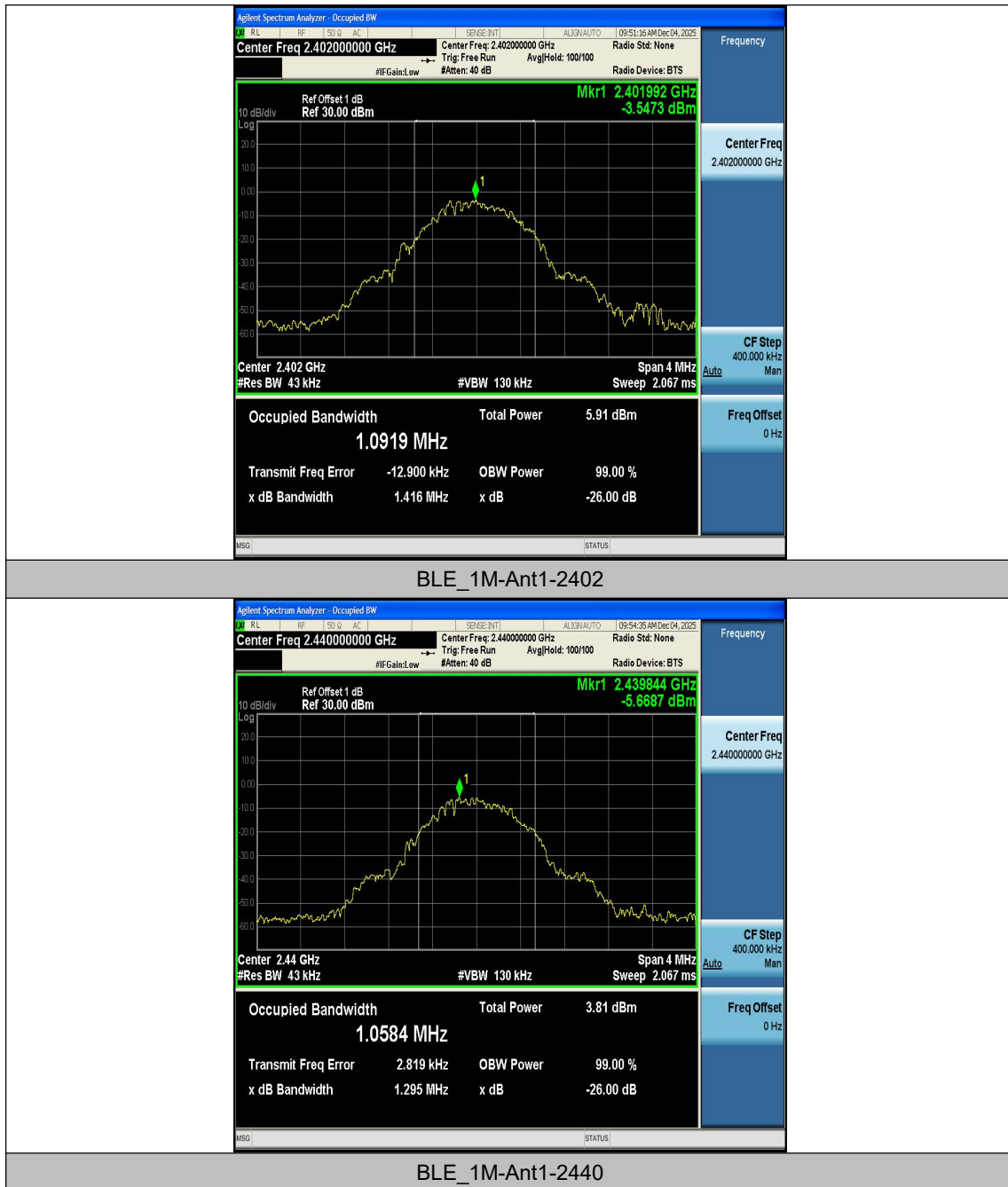
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0919	2401.4412	2402.5331	---	---
BLE_1M	Ant1	2440	1.0584	2439.4736	2440.5320	---	---
BLE_1M	Ant1	2480	1.0539	2479.4783	2480.5322	---	---

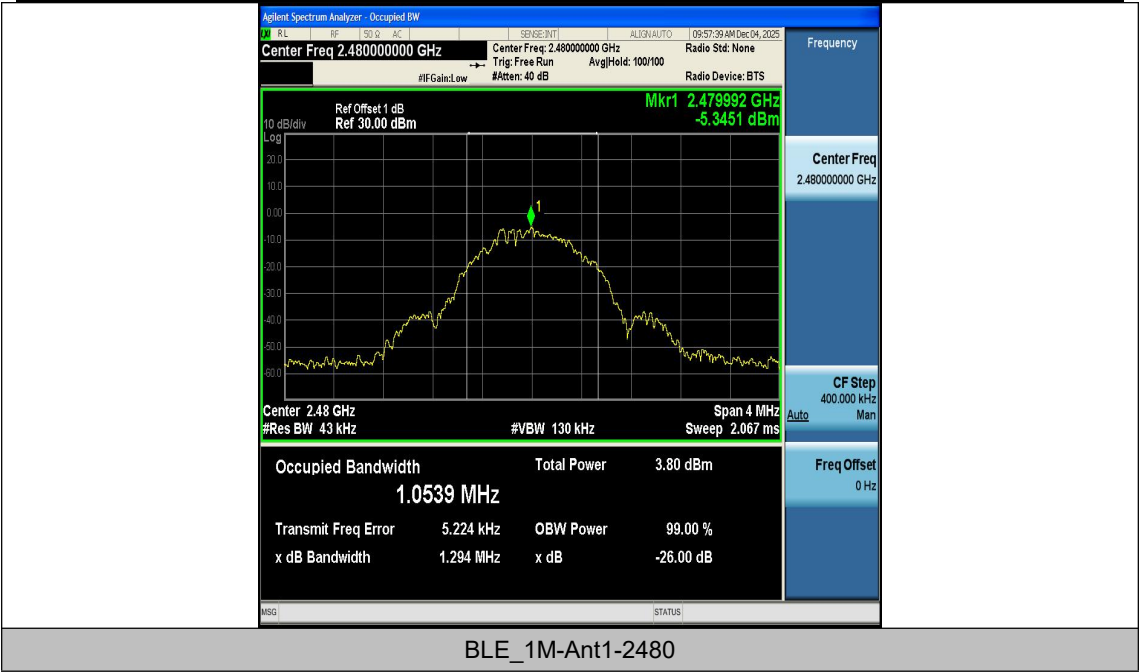
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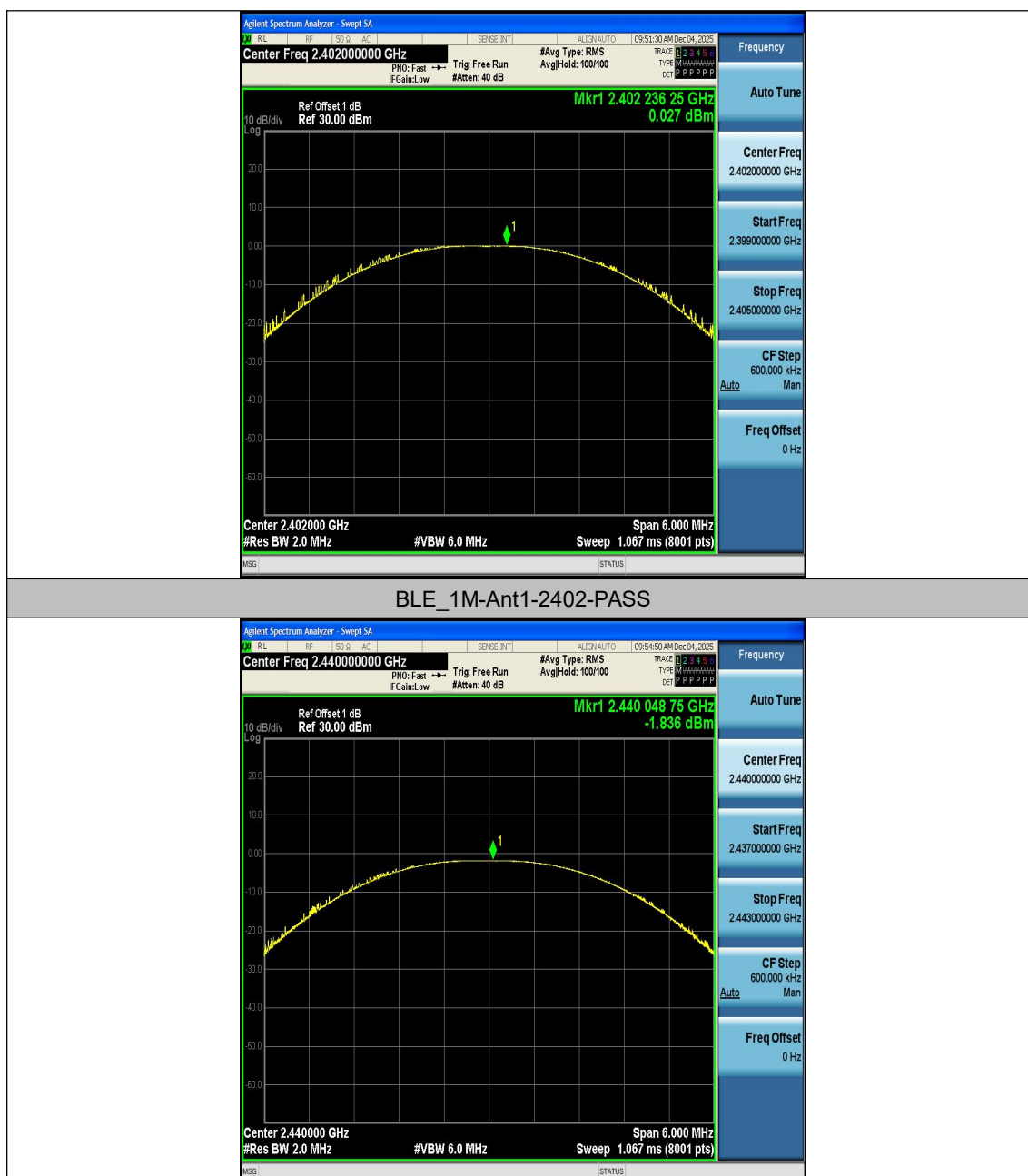
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.03	≤30	PASS
BLE_1M	Ant1	2440	-1.84	≤30	PASS
BLE_1M	Ant1	2480	-1.85	≤30	PASS

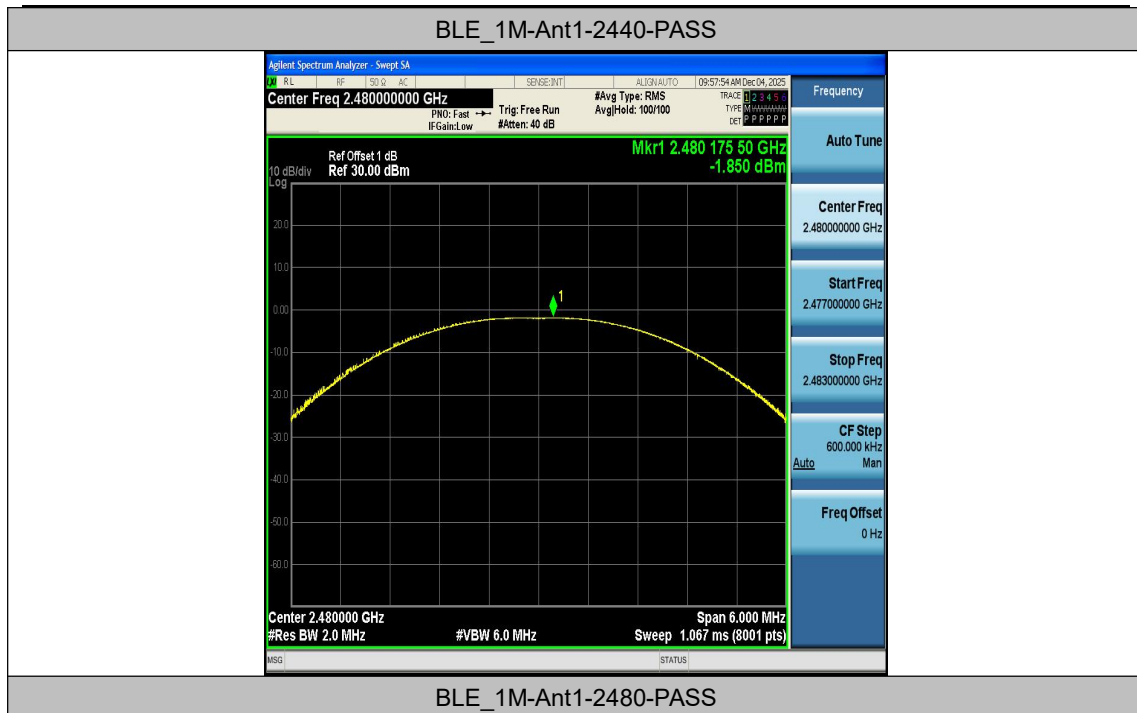
Test Graphs Peak



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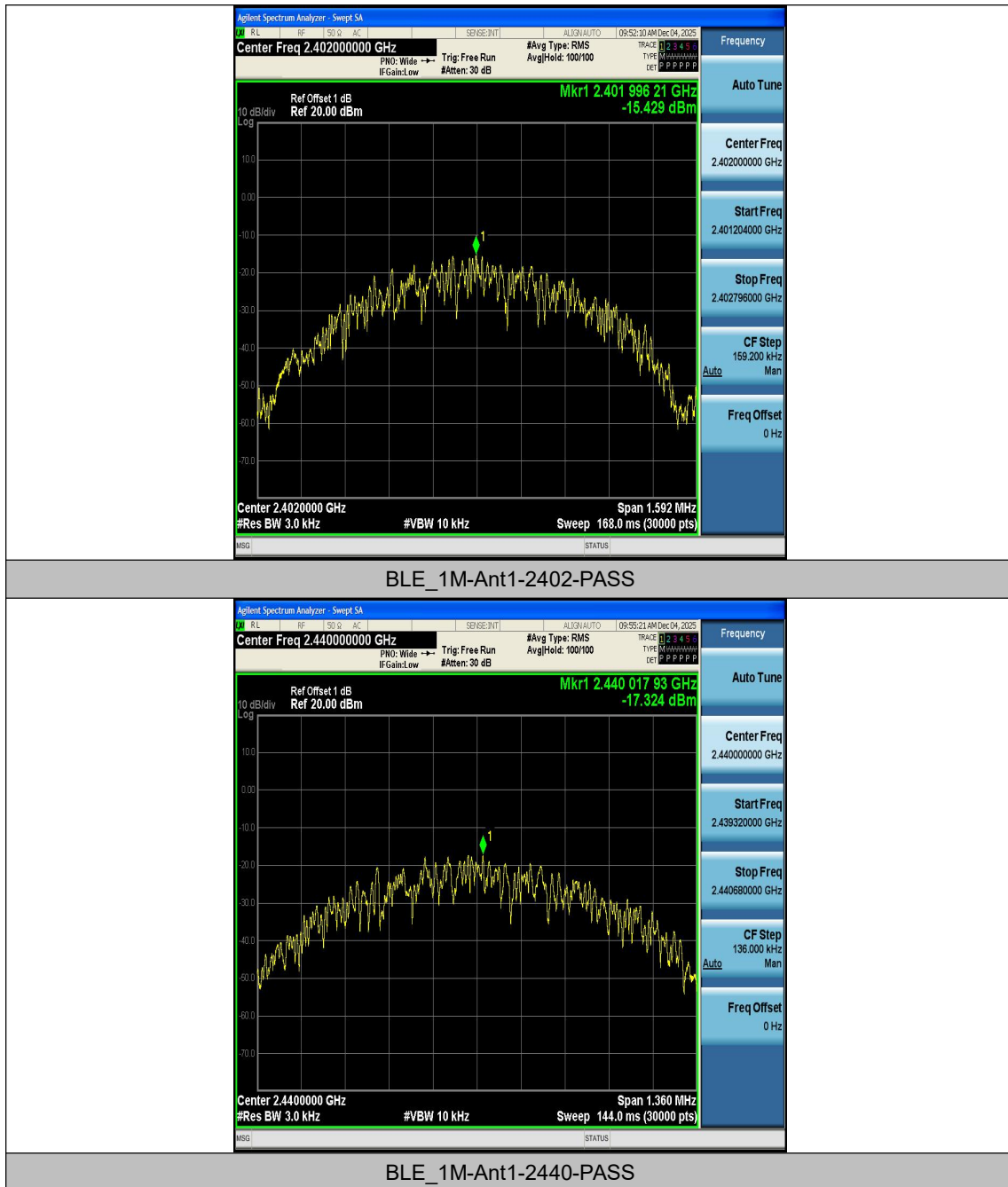
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.43	≤8.00	PASS
BLE_1M	Ant1	2440	-17.32	≤8.00	PASS
BLE_1M	Ant1	2480	-16.83	≤8.00	PASS

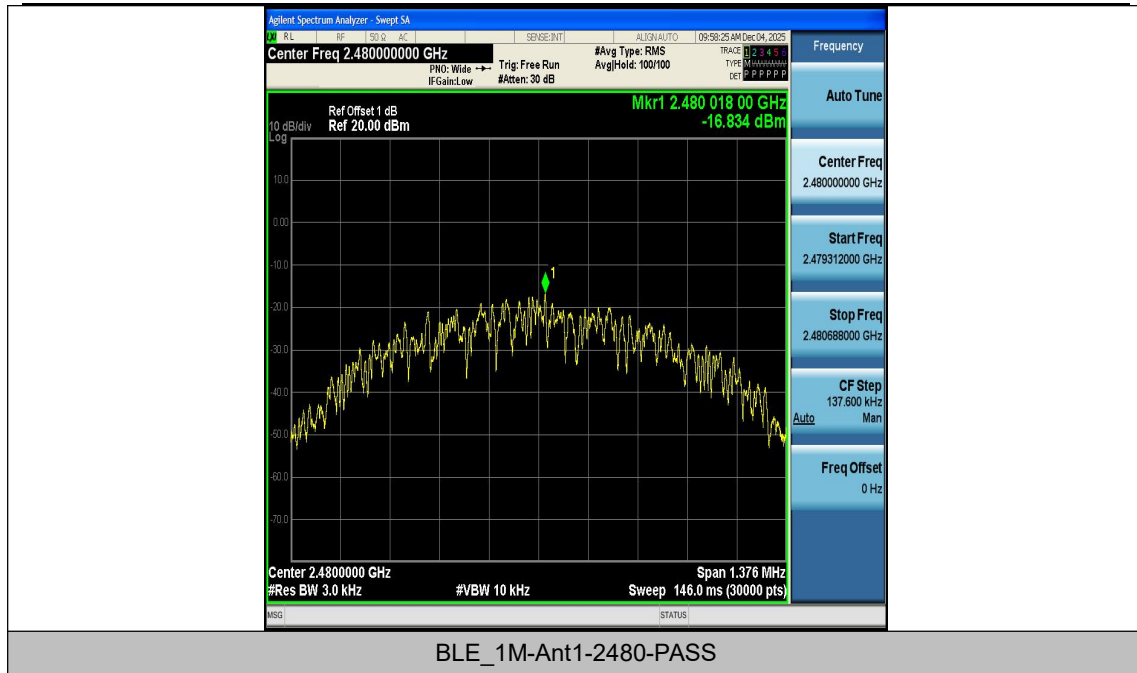
Test Graphs



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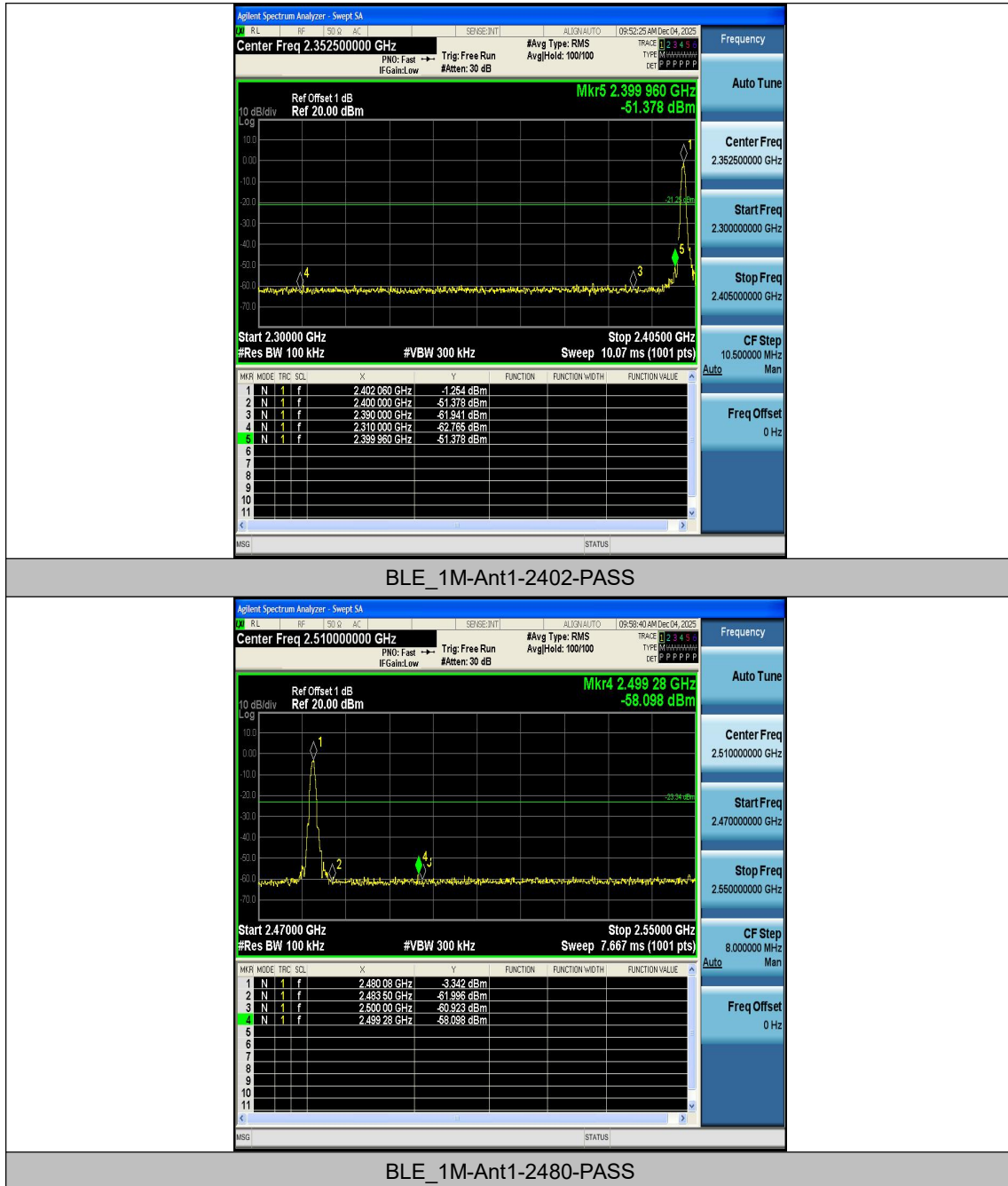
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.25	-51.38	≤-21.25	PASS
BLE_1M	Ant1	High	2480	-3.34	-58.1	≤-23.34	PASS

Test Graphs



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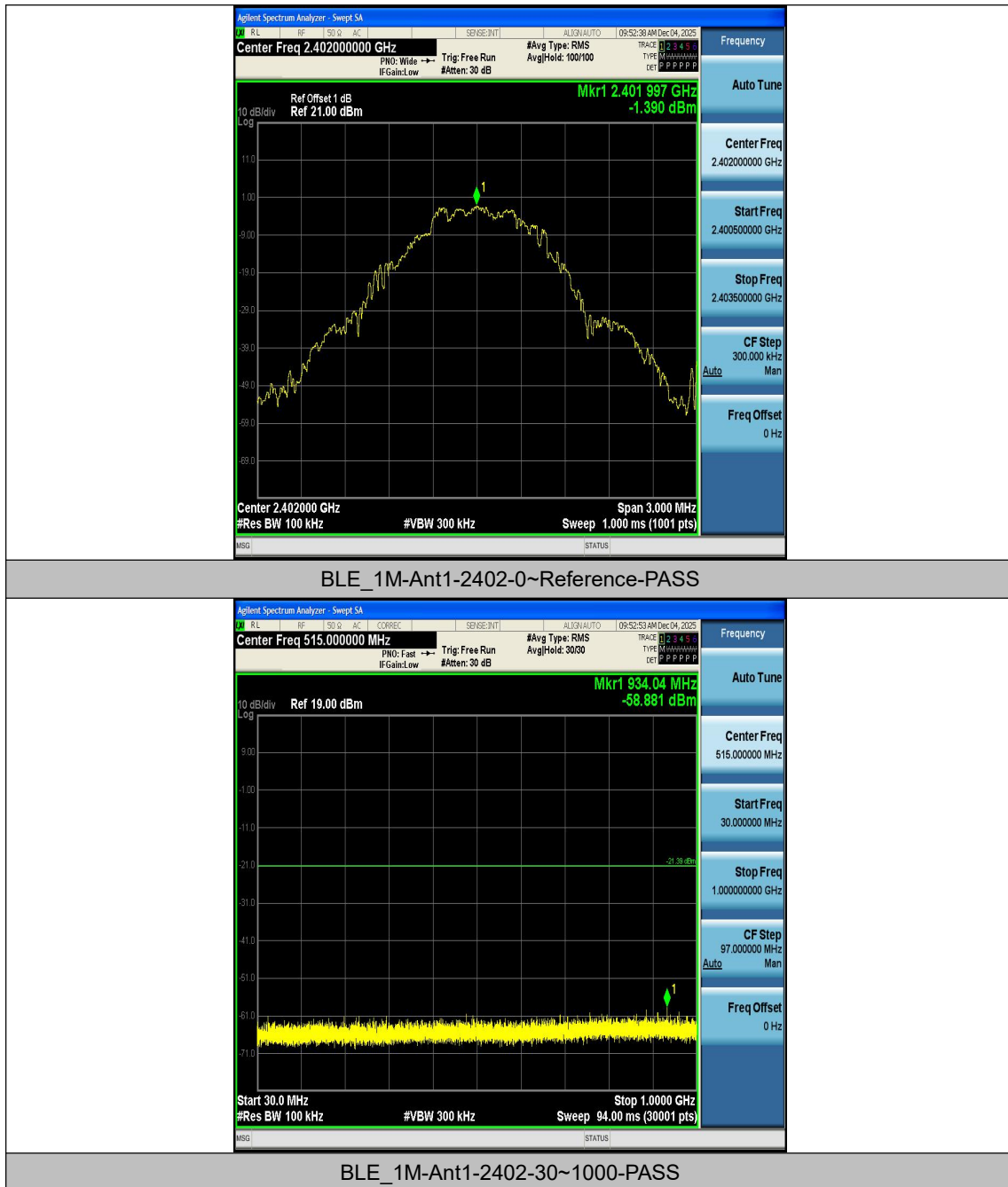
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.39	-1.39	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.39	-58.88	≤-21.39	PASS
BLE_1M	Ant1	2402	1000~26500	-1.39	-45.72	≤-21.39	PASS
BLE_1M	Ant1	2440	0~Reference	-3.22	-3.22	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.22	-59.98	≤-23.22	PASS
BLE_1M	Ant1	2440	1000~26500	-3.22	-45.47	≤-23.22	PASS
BLE_1M	Ant1	2480	0~Reference	-3.40	-3.40	---	PASS
BLE_1M	Ant1	2480	30~1000	-3.40	-58.76	≤-23.4	PASS
BLE_1M	Ant1	2480	1000~26500	-3.40	-46	≤-23.4	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.

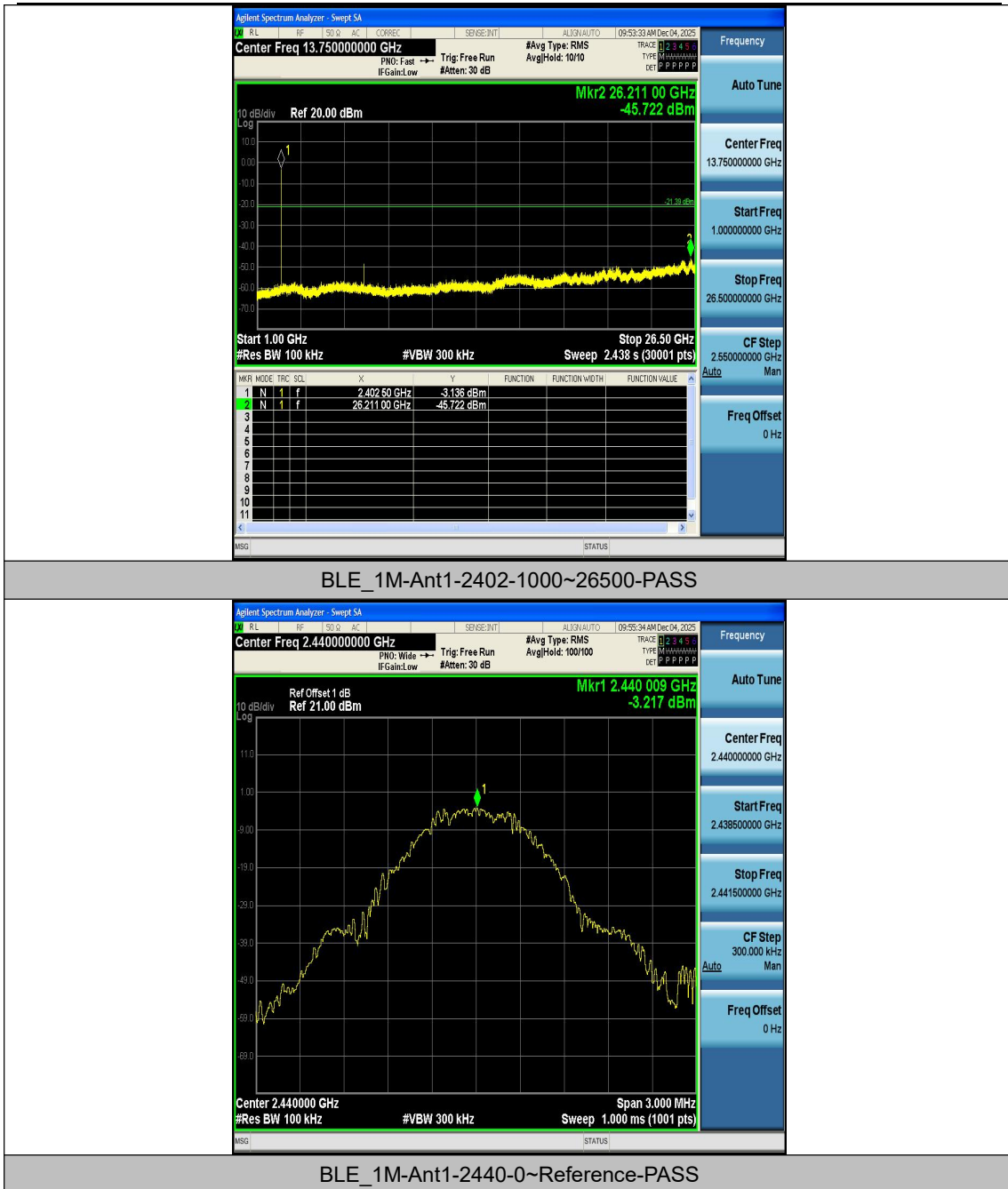
Test Graphs



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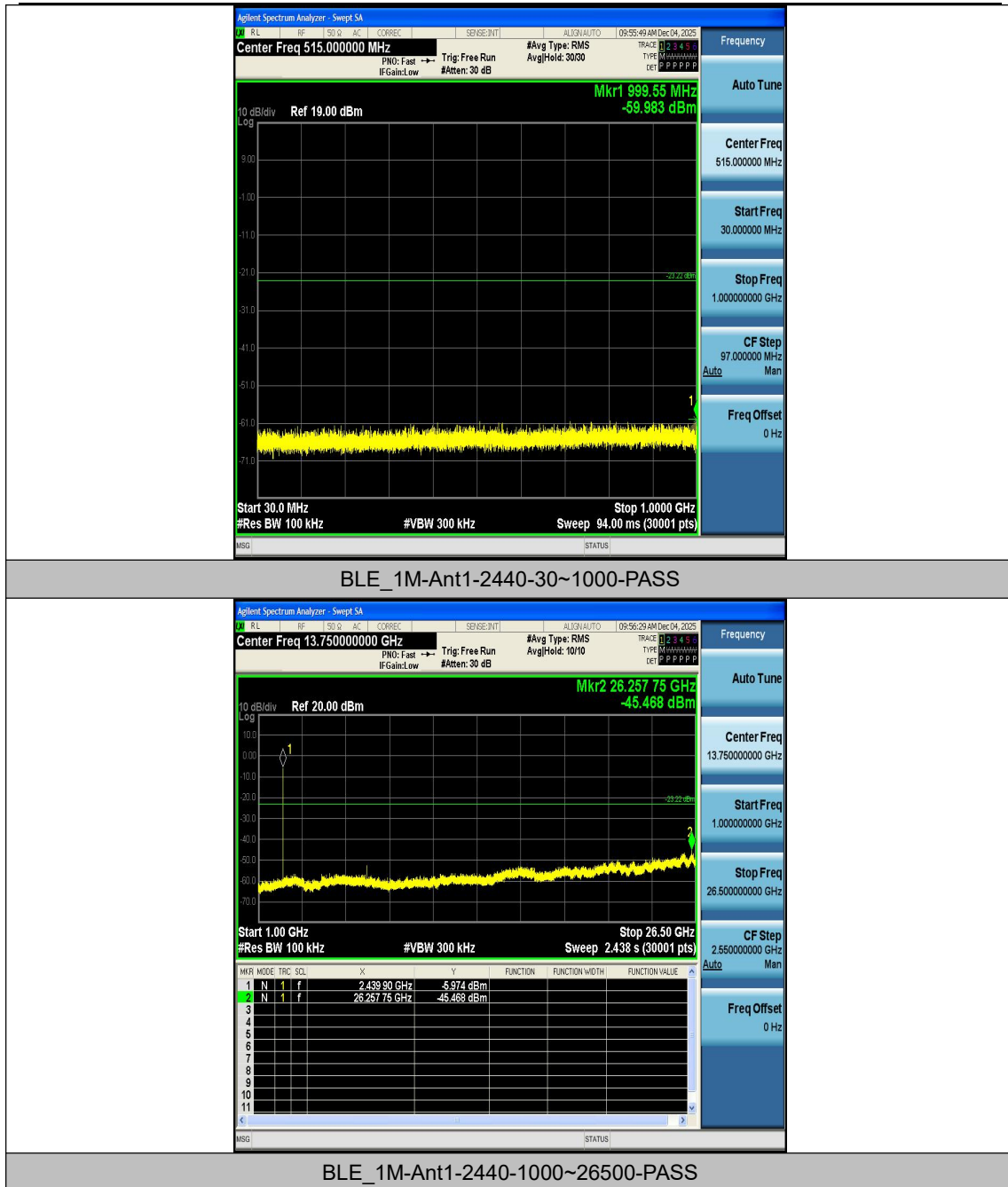
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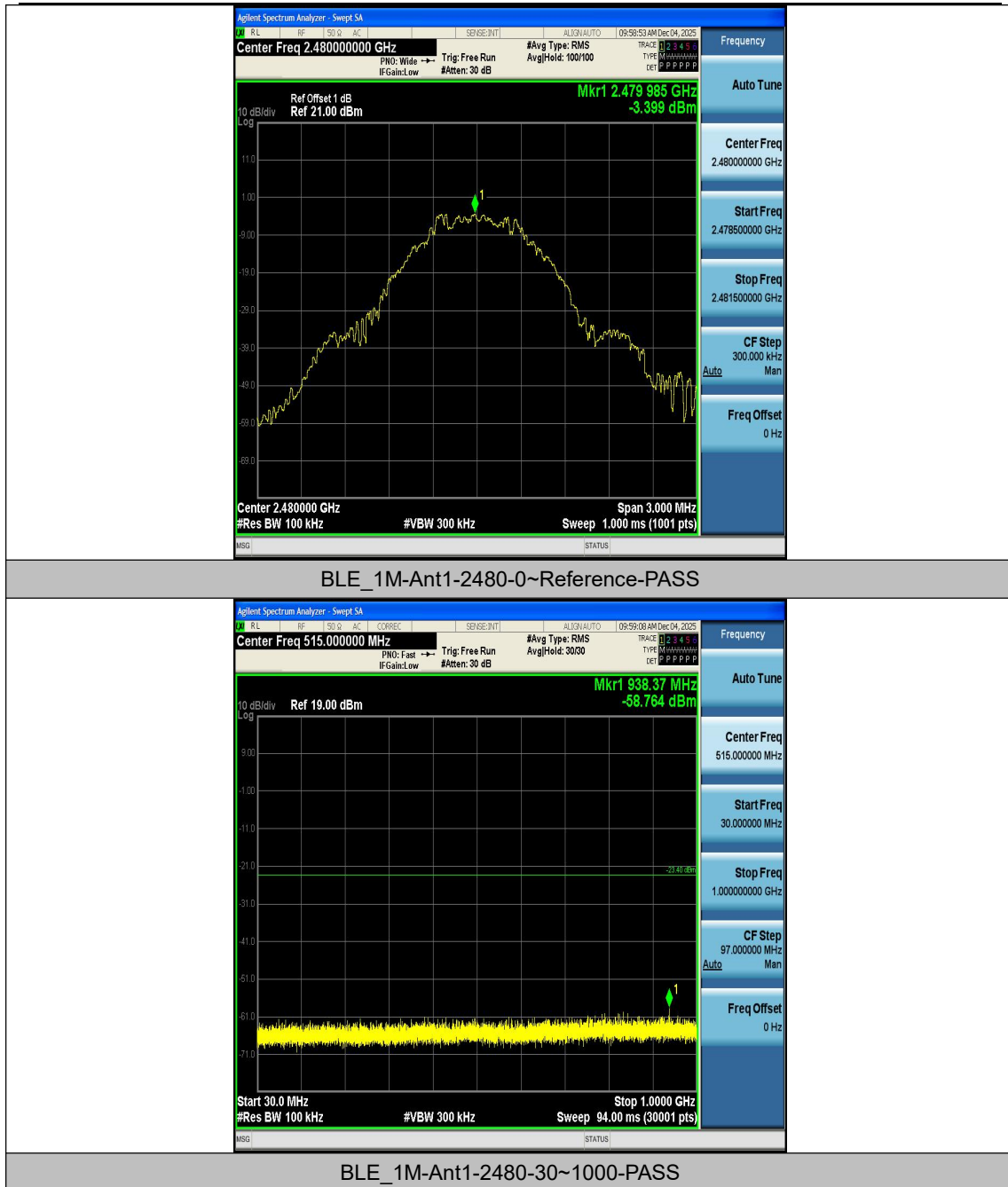
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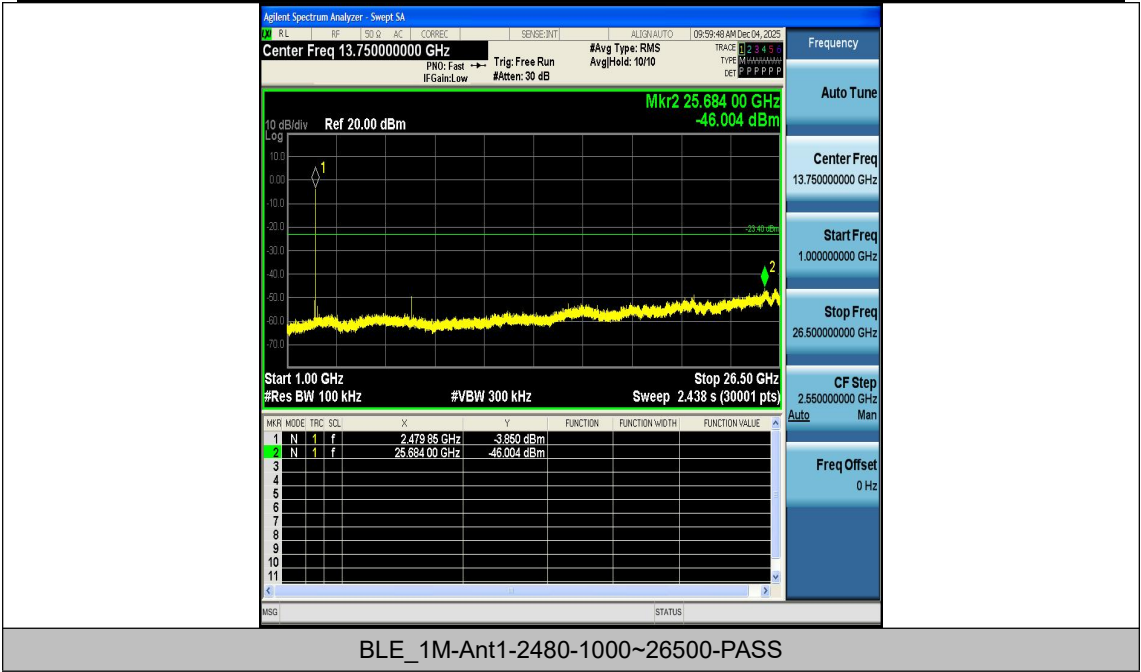
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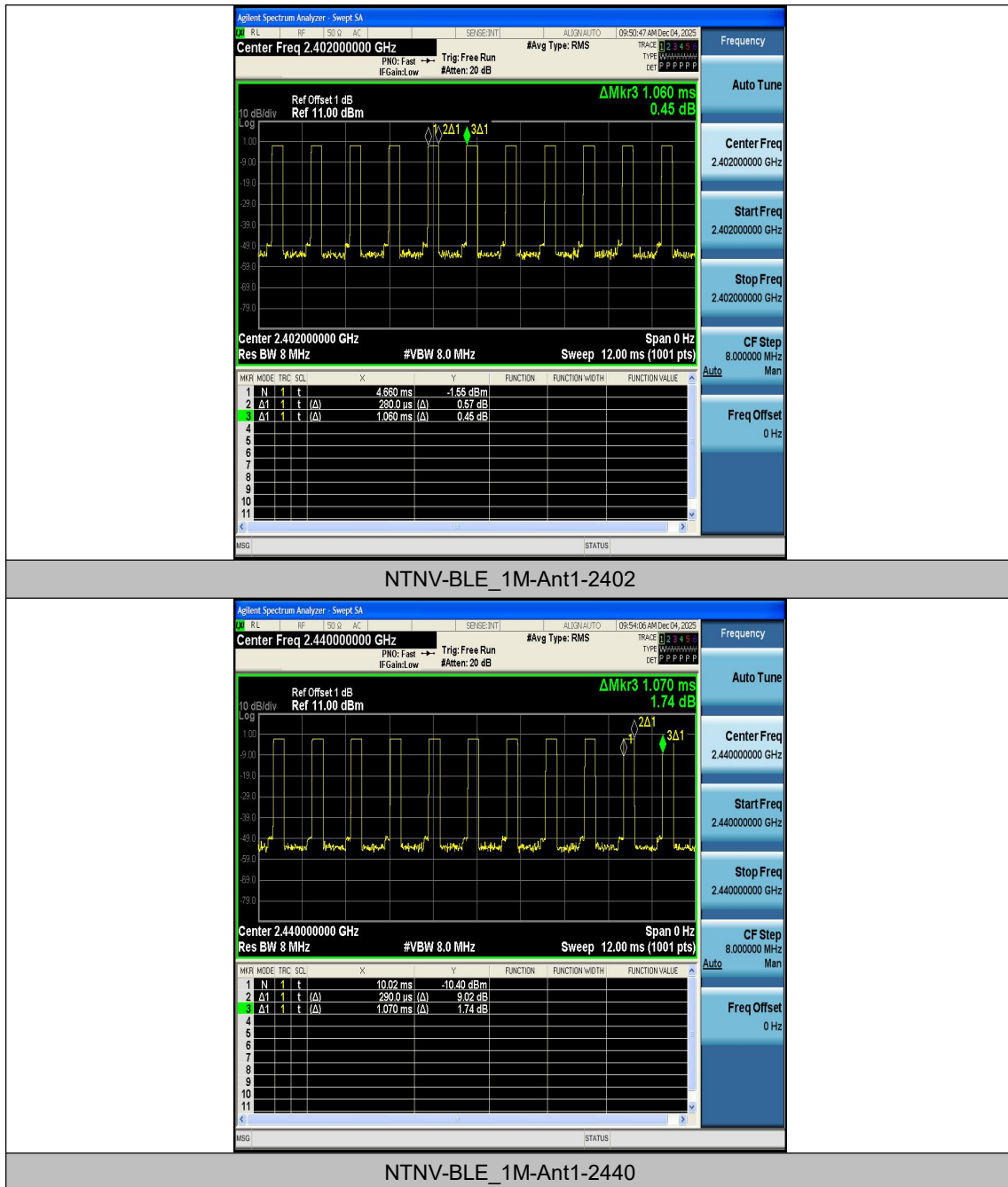


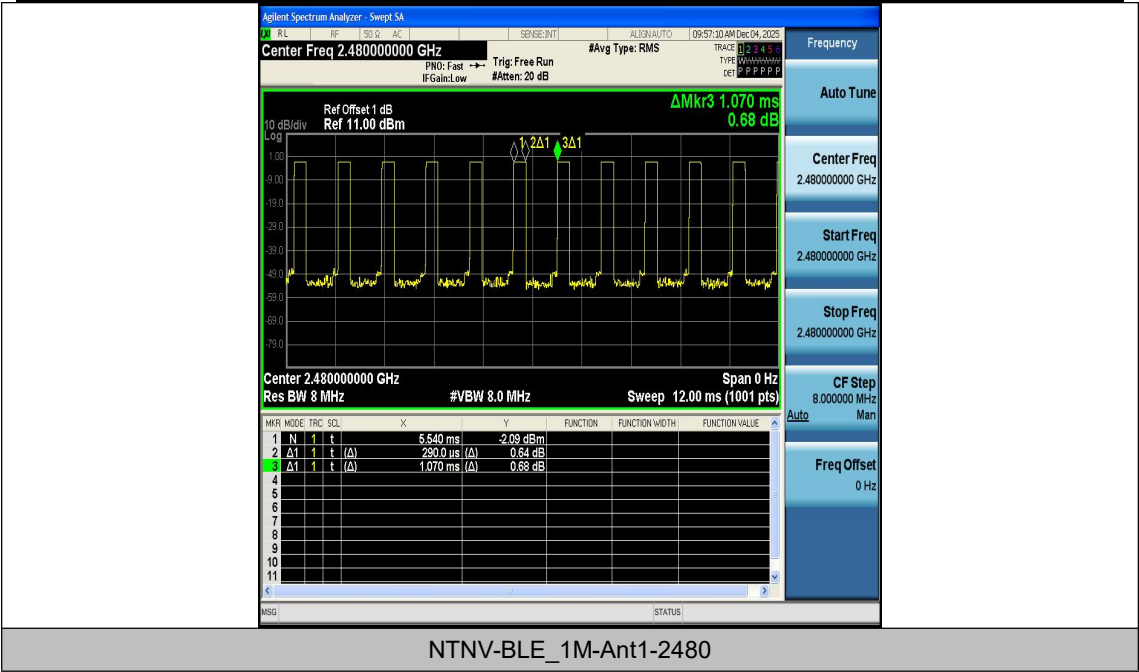
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	1.06	26.42	5.78
BLE_1M	Ant1	2440	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2480	0.29	1.07	27.10	5.67

Test Graphs





---End---