

Appendix Test Data

Report No.:	1812C50638312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-5	Finish Test Date:	2025-12-5
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.4°C	Relative Humidity:	46%
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	0.688	2401.648	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.684	2439.652	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.724	2479.632	2480.356	0.5	PASS

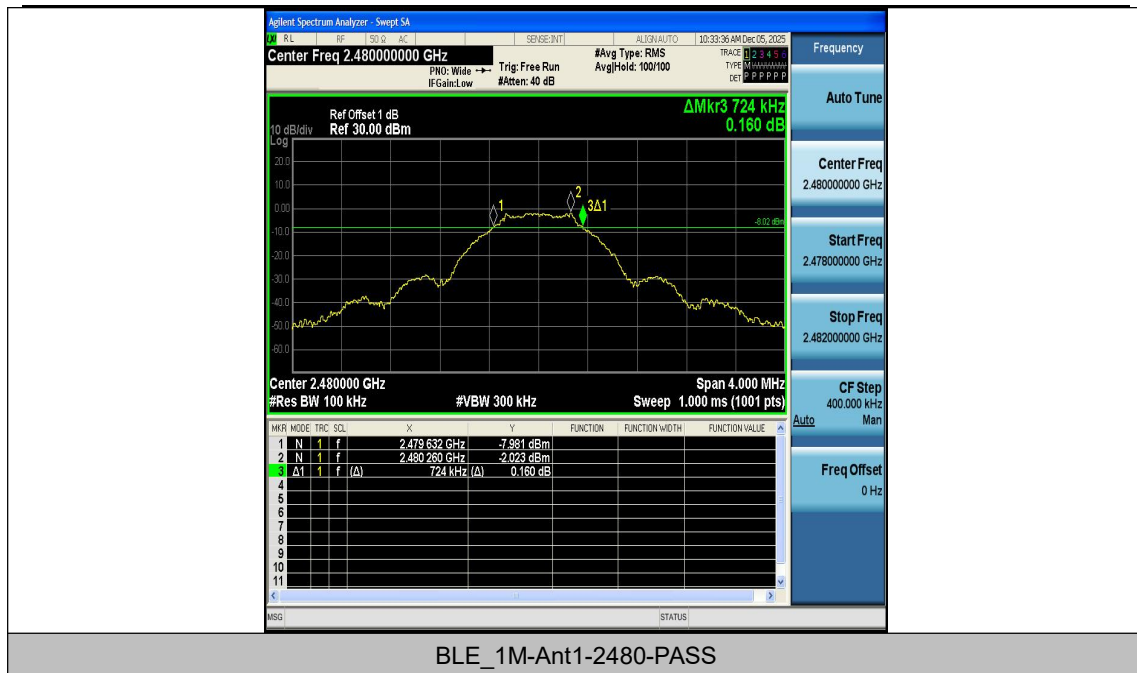
Test Graphs



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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	1.0968	2401.4471	2402.5439	---	---
BLE_1M	Ant1	2440	1.0977	2439.4507	2440.5484	---	---
BLE_1M	Ant1	2480	1.0970	2479.4448	2480.5418	---	---

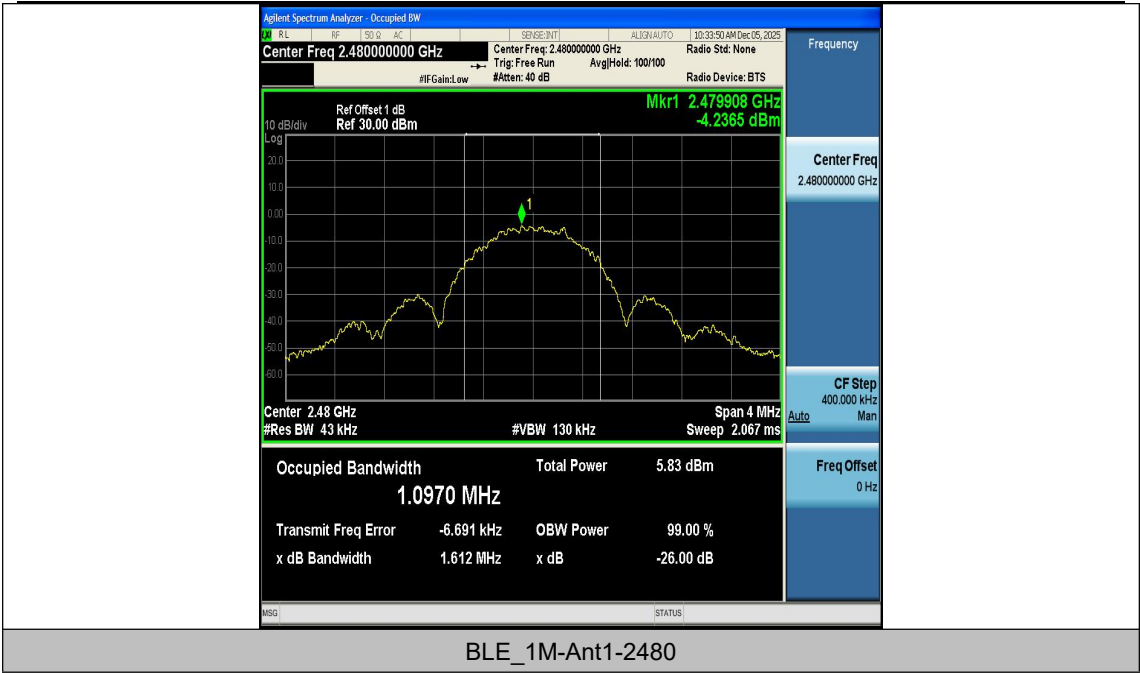
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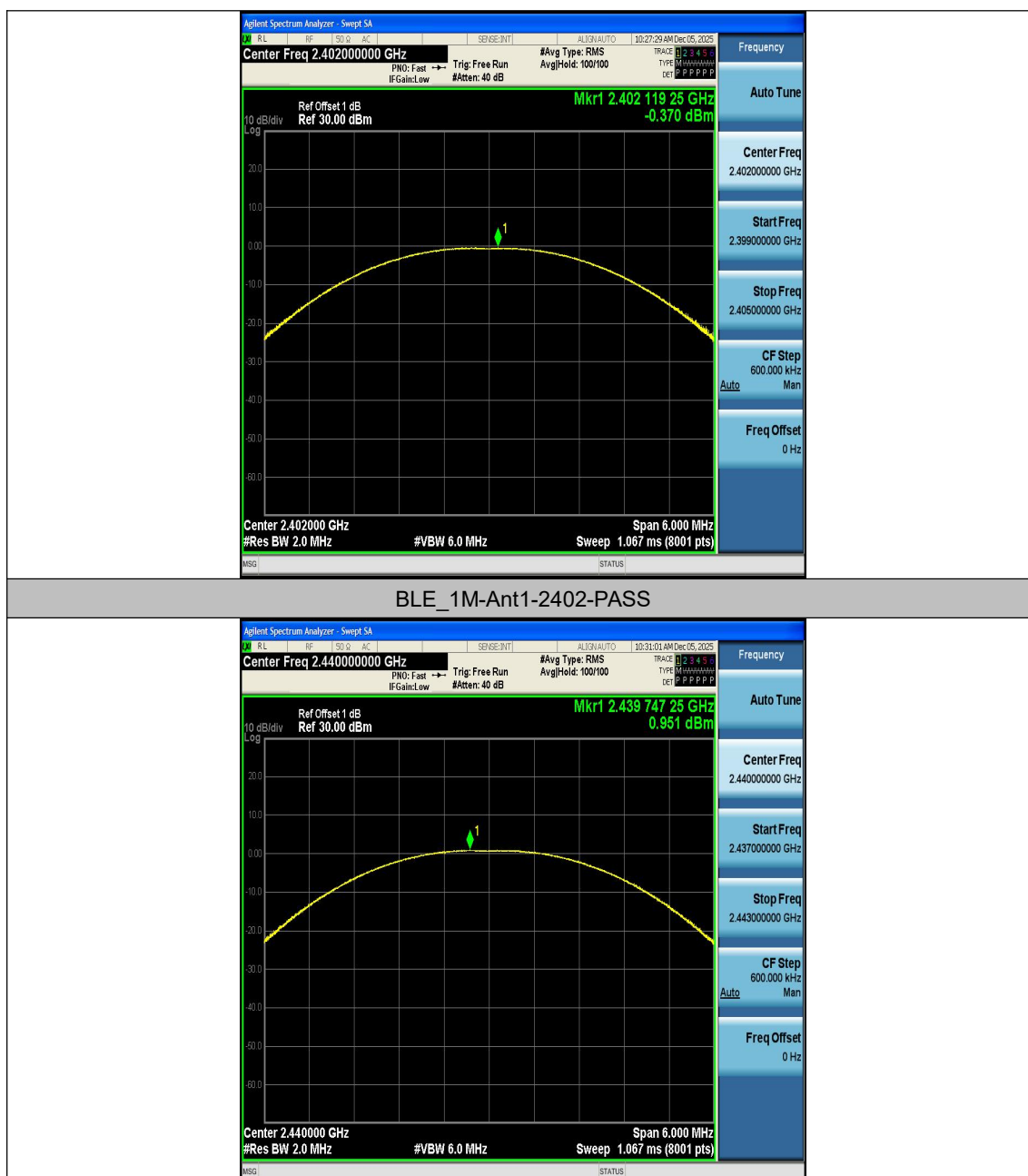
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.37	≤30	PASS
BLE_1M	Ant1	2440	0.95	≤30	PASS
BLE_1M	Ant1	2480	-0.12	≤30	PASS

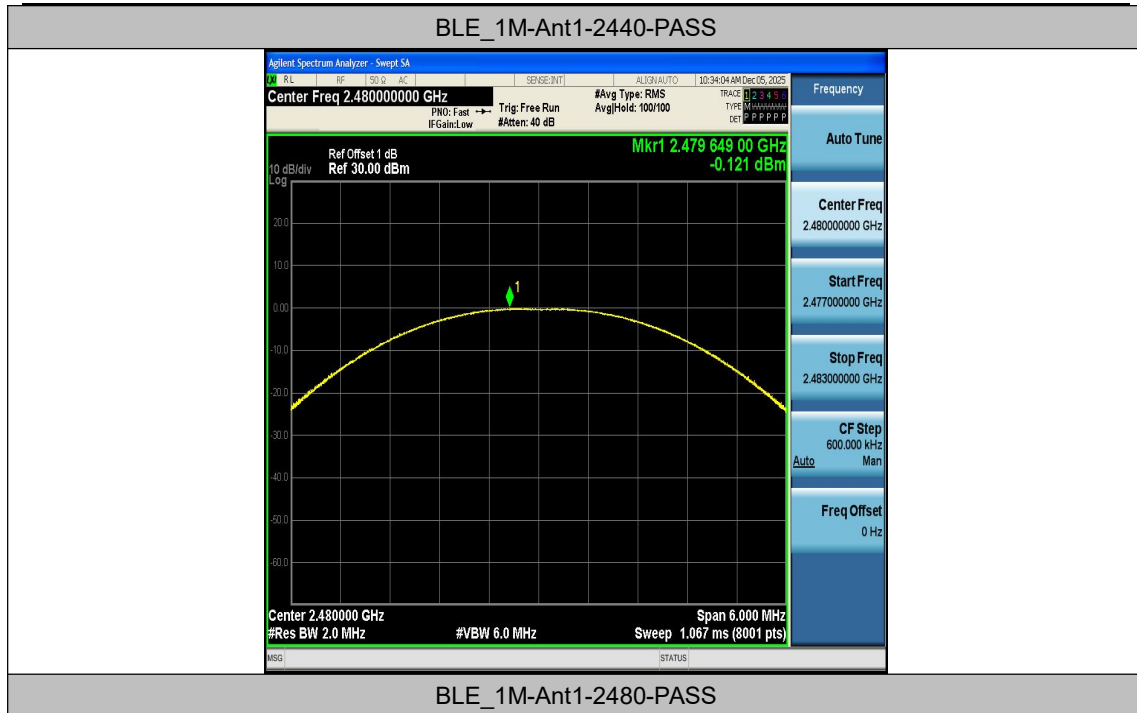
Test Graphs Peak



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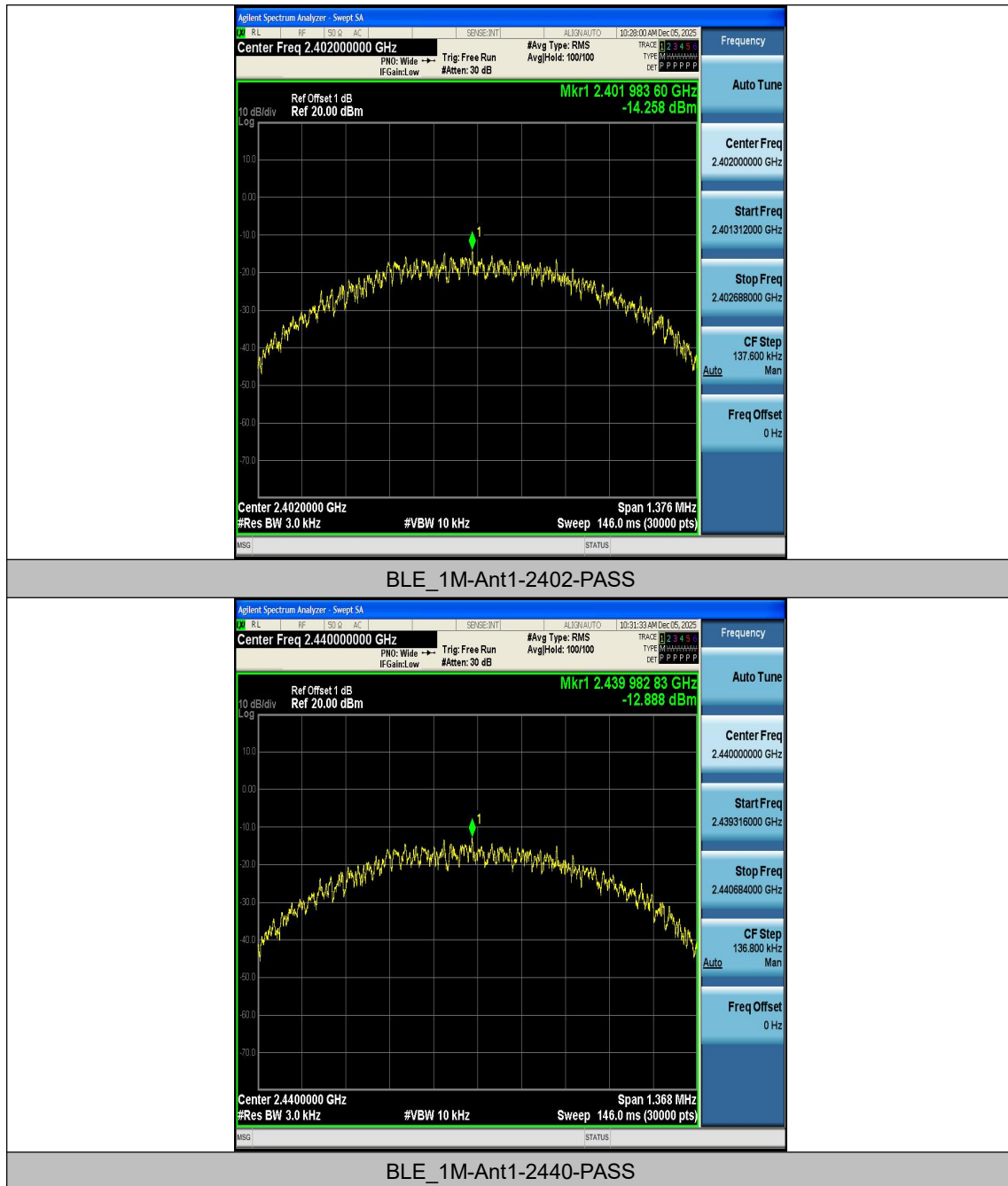
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.26	≤8.00	PASS
BLE_1M	Ant1	2440	-12.89	≤8.00	PASS
BLE_1M	Ant1	2480	-13.89	≤8.00	PASS

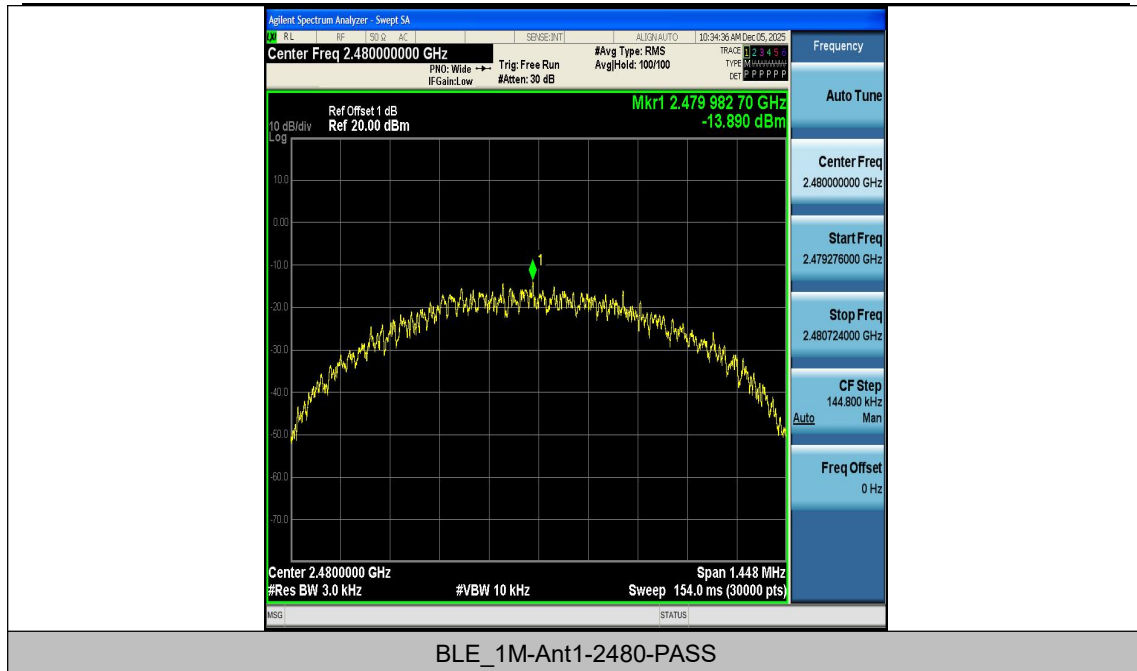
Test Graphs



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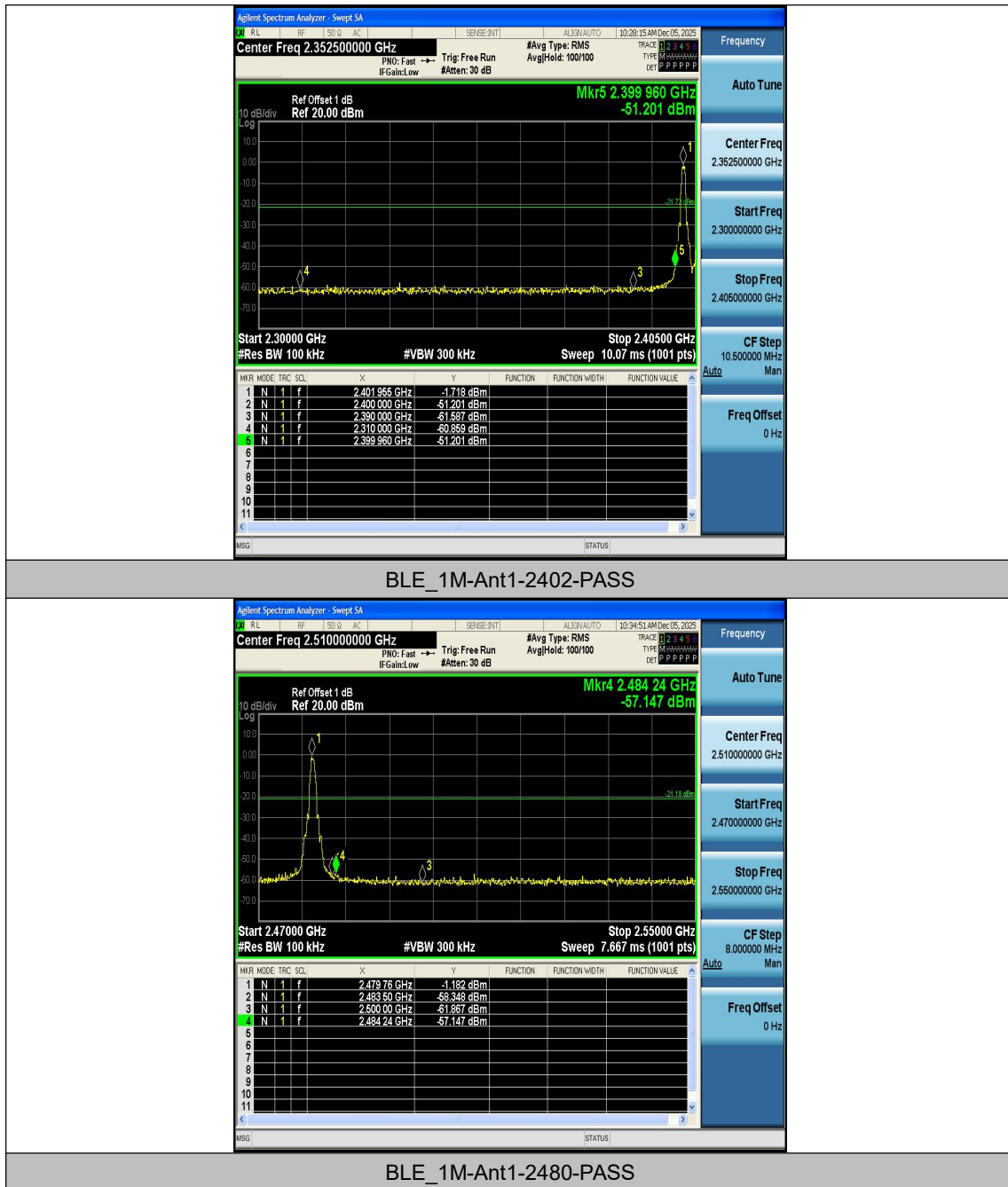
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.72	-51.2	≤ -21.72	PASS
BLE_1M	Ant1	High	2480	-1.18	-57.15	≤ -21.18	PASS

Test Graphs



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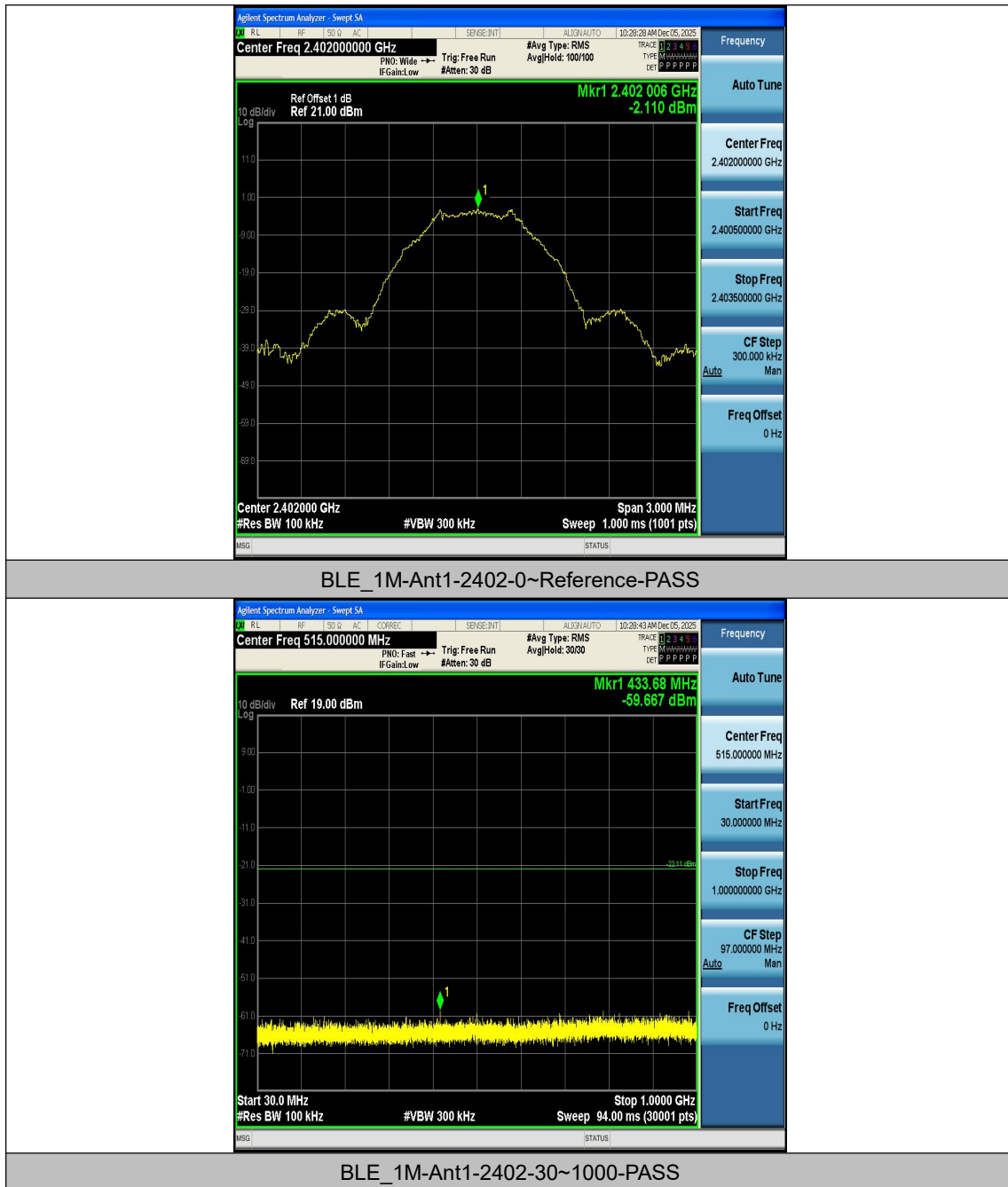
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.11	-2.11	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.11	-59.67	≤-22.11	PASS
BLE_1M	Ant1	2402	1000~26500	-2.11	-38.79	≤-22.11	PASS
BLE_1M	Ant1	2440	0~Reference	-0.55	-0.55	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.55	-59.9	≤-20.55	PASS
BLE_1M	Ant1	2440	1000~26500	-0.55	-46.61	≤-20.55	PASS
BLE_1M	Ant1	2480	0~Reference	-1.28	-1.28	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.28	-58.61	≤-21.28	PASS
BLE_1M	Ant1	2480	1000~26500	-1.28	-46.54	≤-21.28	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.

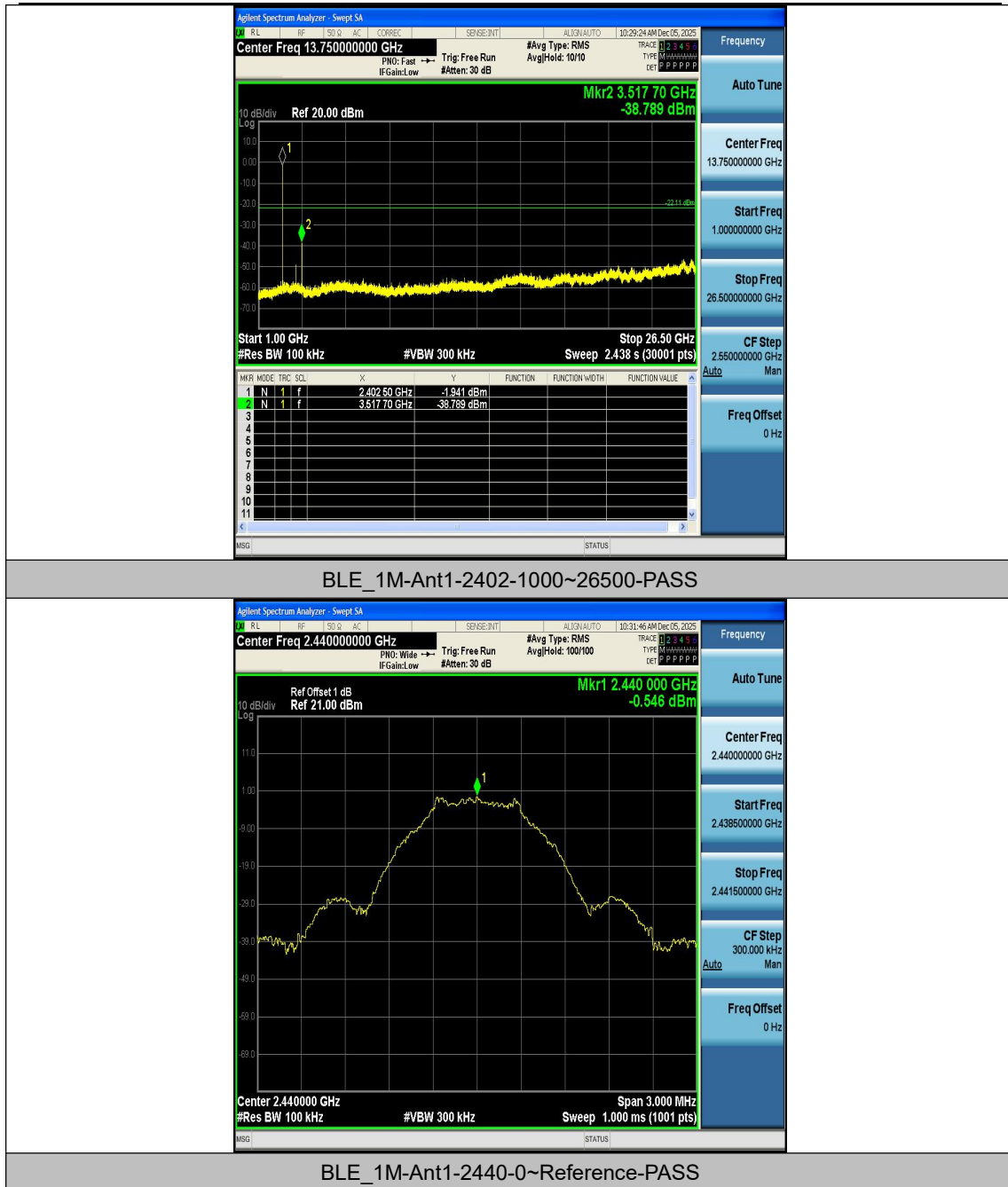
Test Graphs



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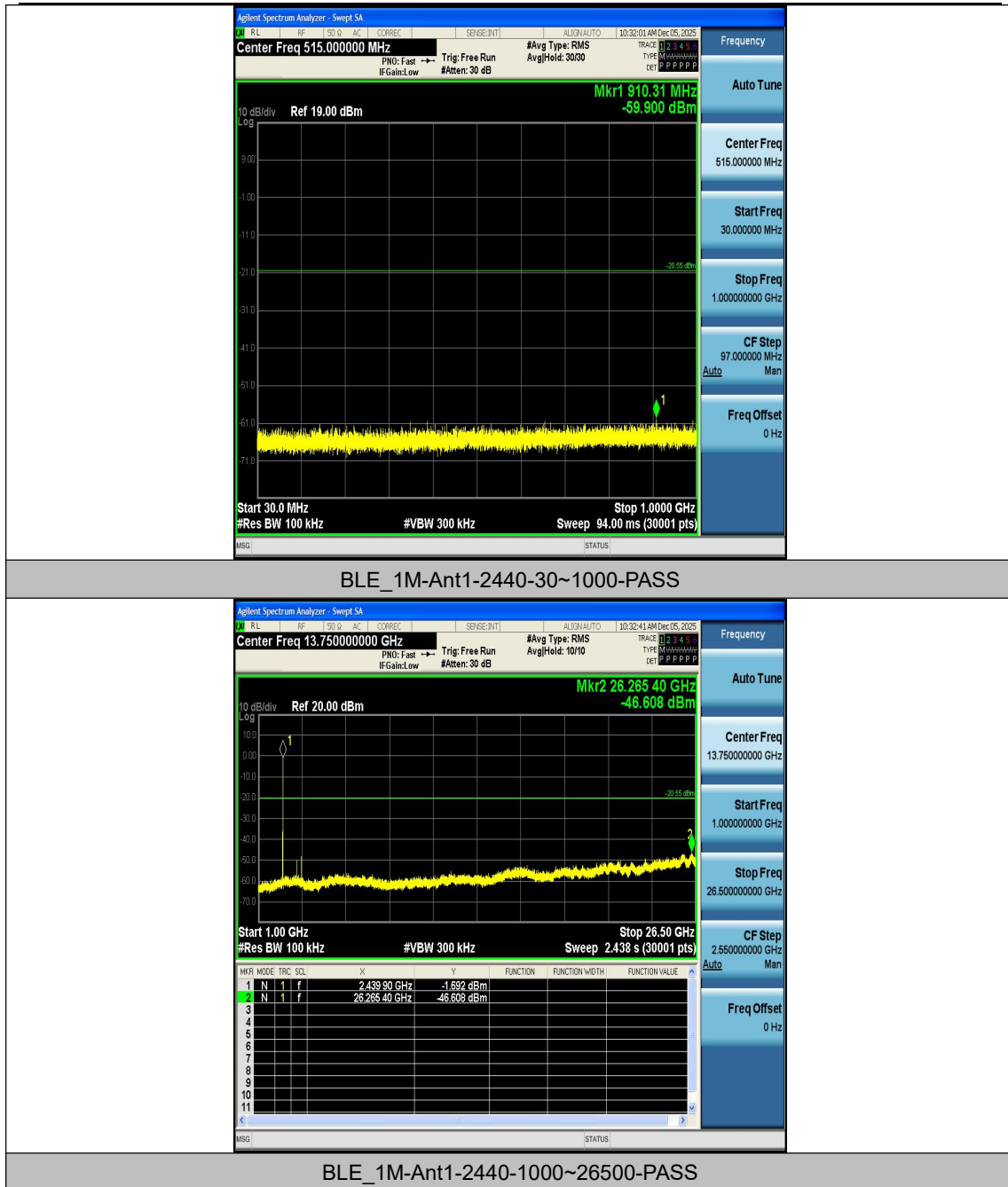
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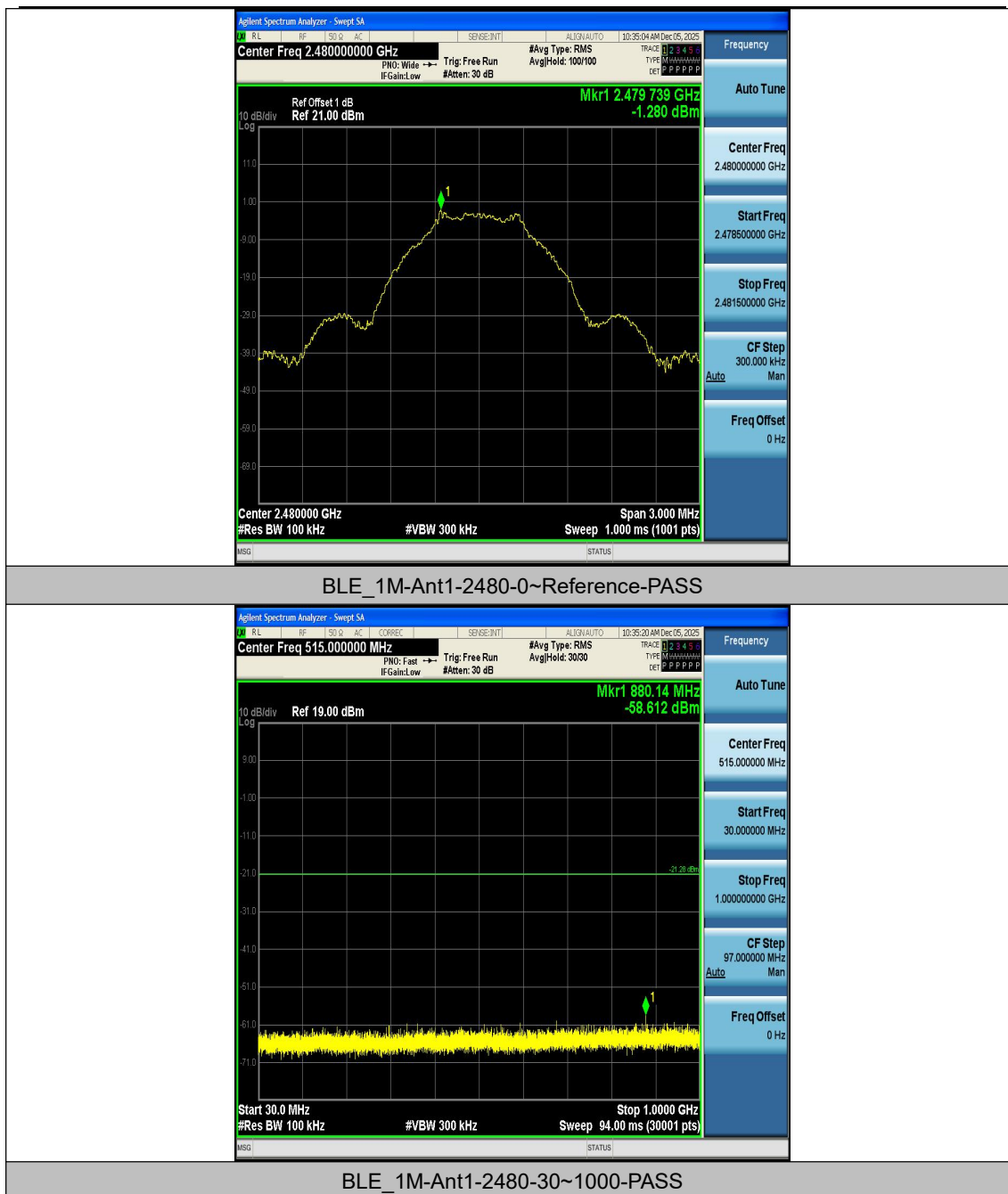
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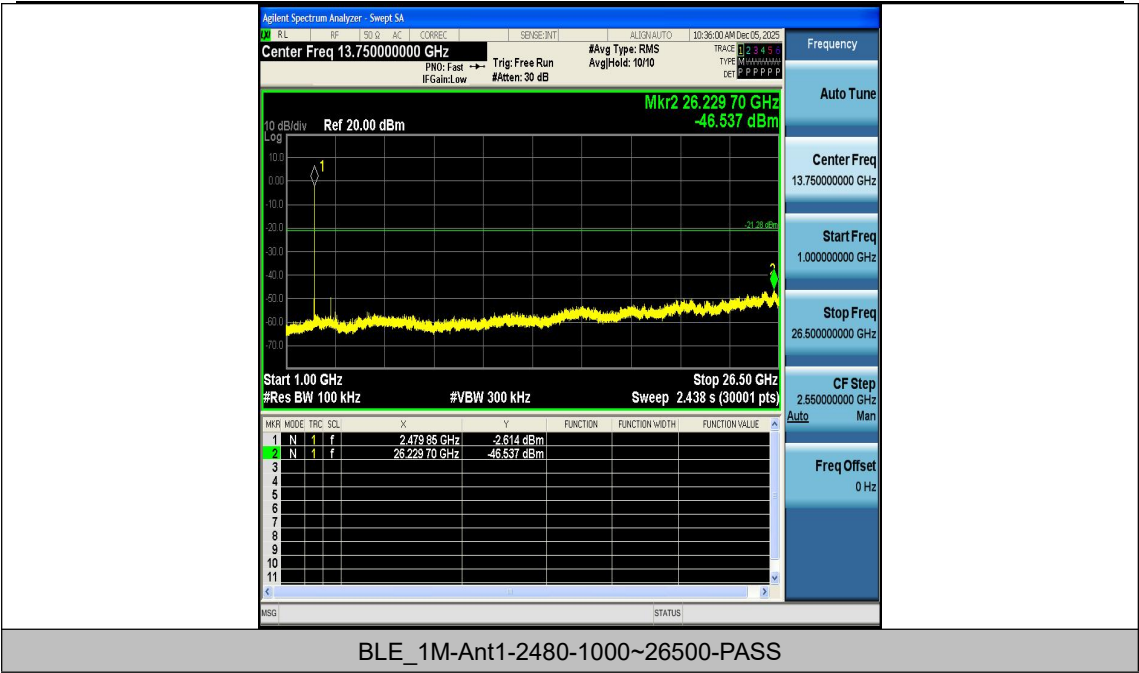
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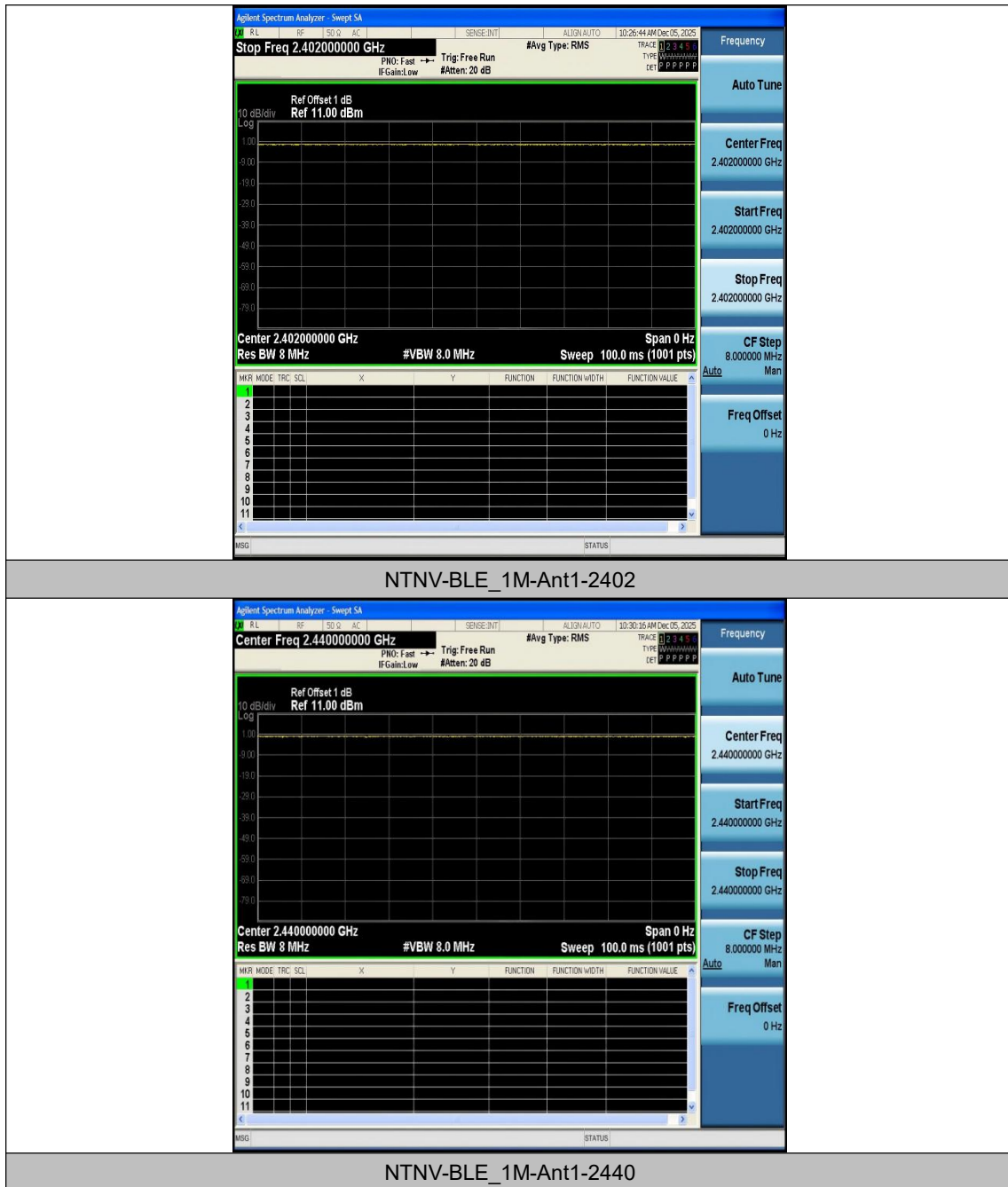
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00

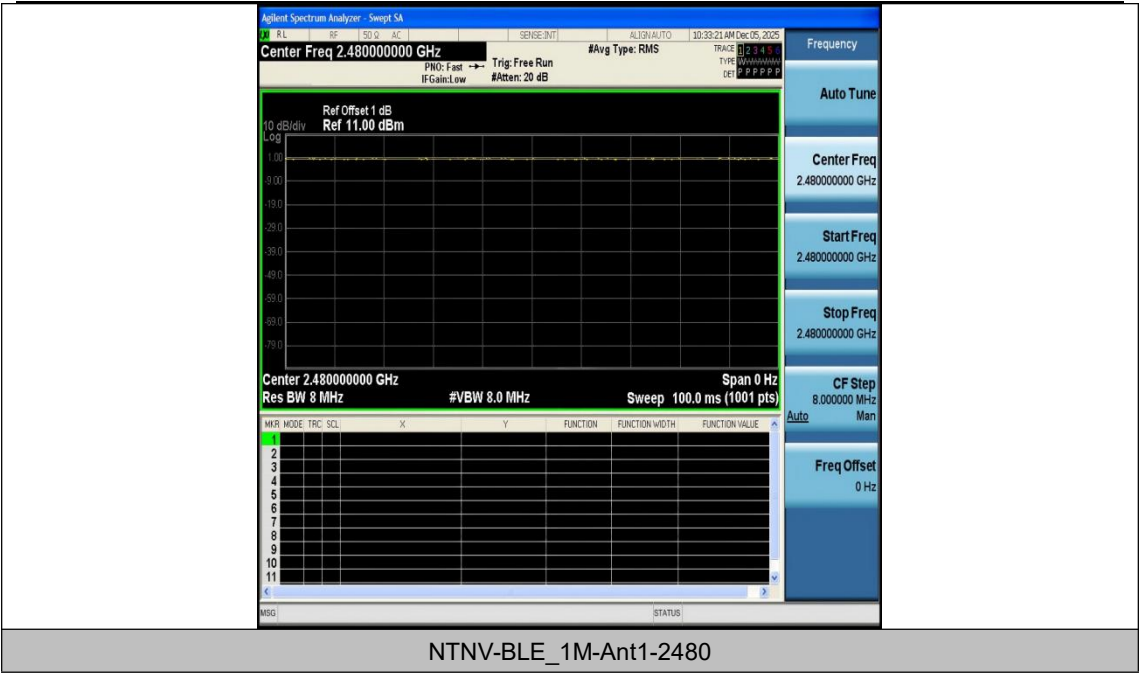
Test Graphs



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