

Appendix Test Data

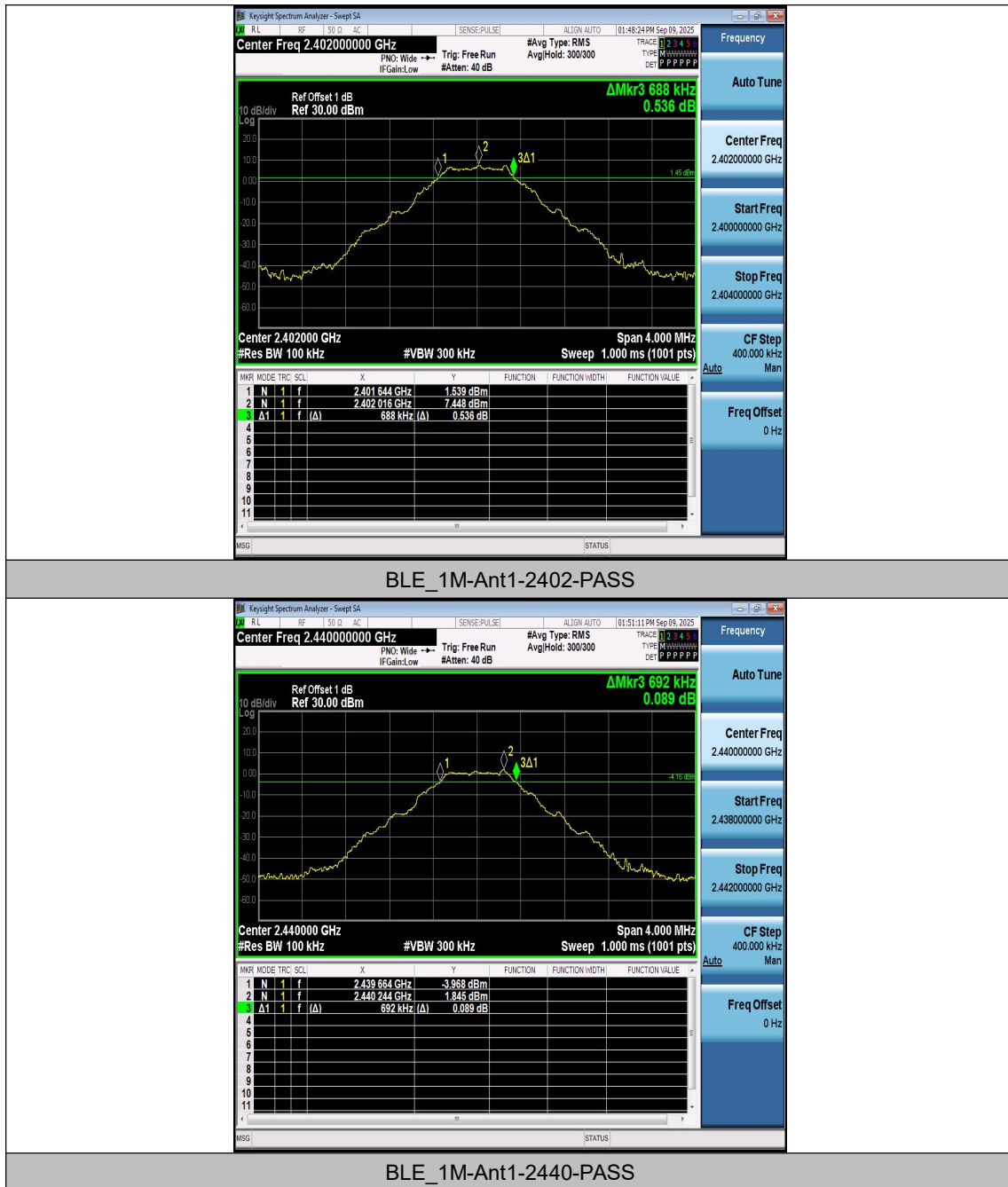
Report No.:	1812C50446612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-09-09	Finish Test Date:	2025-09-09
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	58%
Pressure:	101kPa		

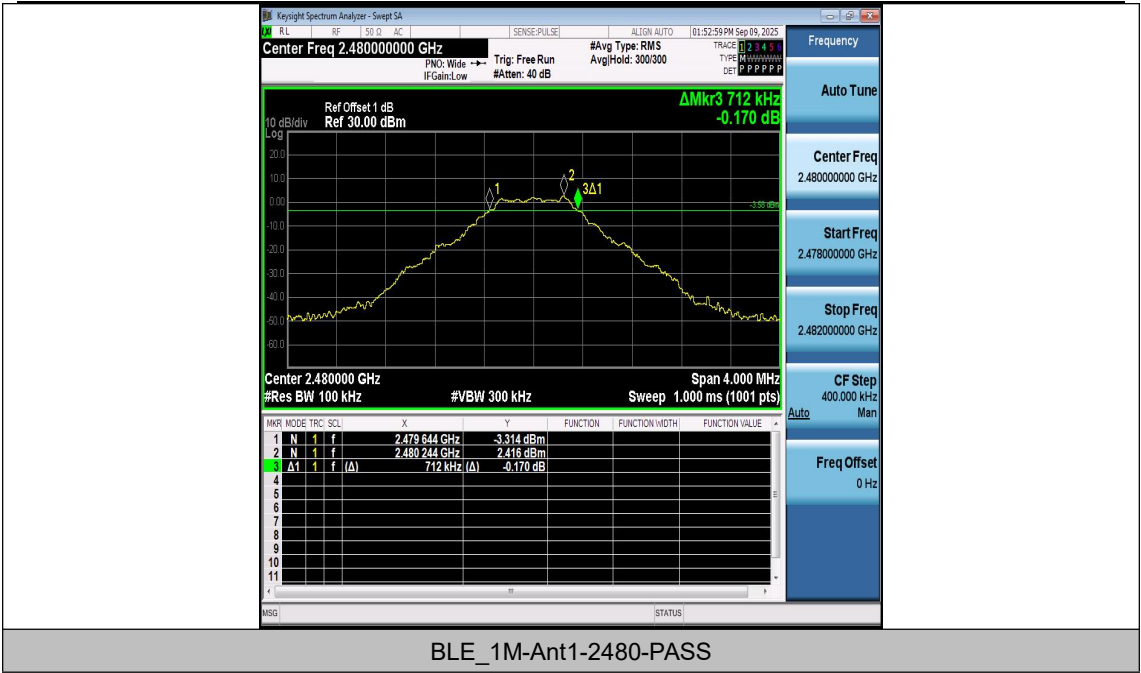
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.644	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.692	2439.664	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.712	2479.644	2480.356	0.5	PASS

Test Graphs





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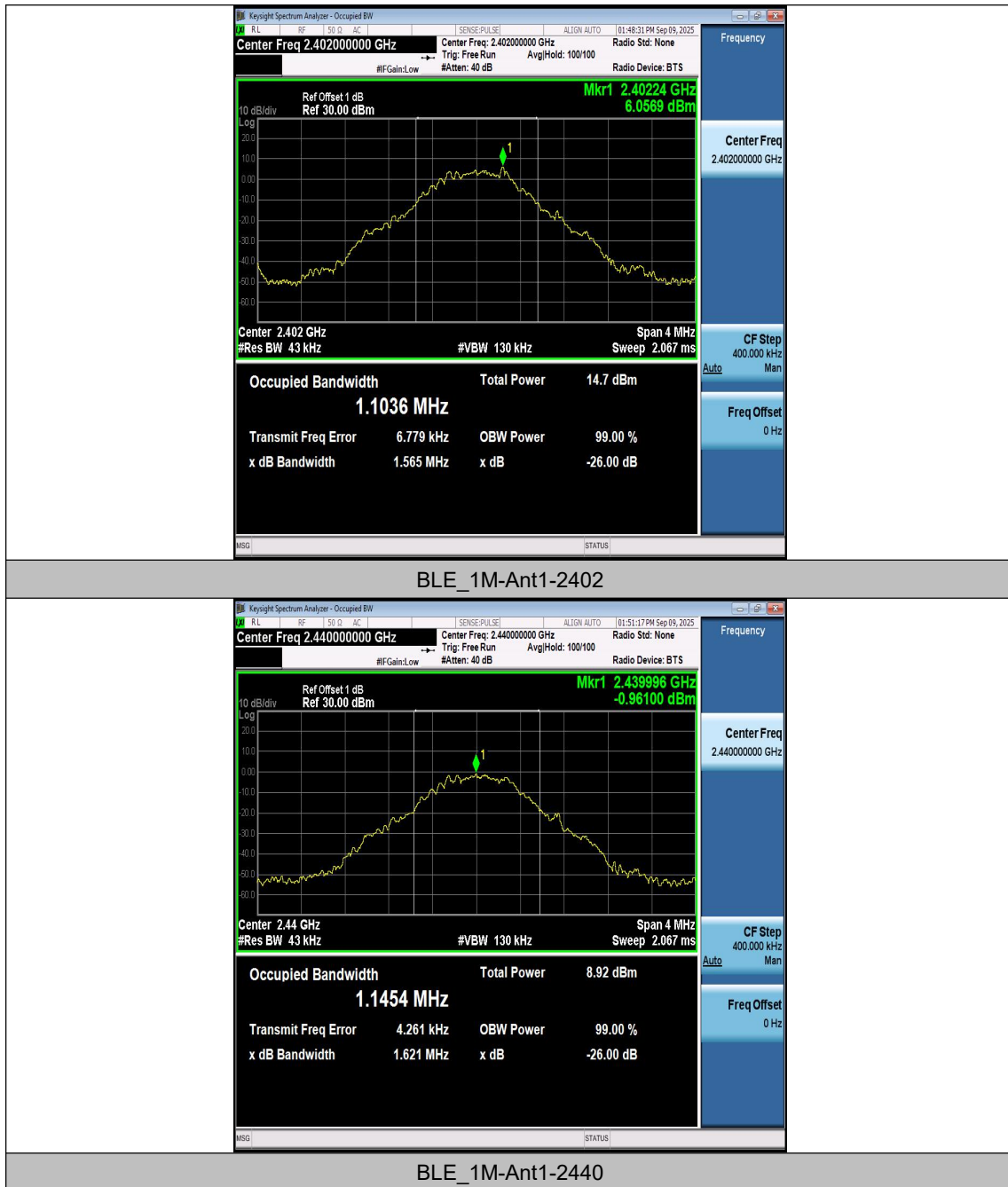
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1036	2401.4550	2402.5586	---	---
BLE_1M	Ant1	2440	1.1454	2439.4316	2440.5770	---	---
BLE_1M	Ant1	2480	1.1984	2479.4014	2480.5998	---	---

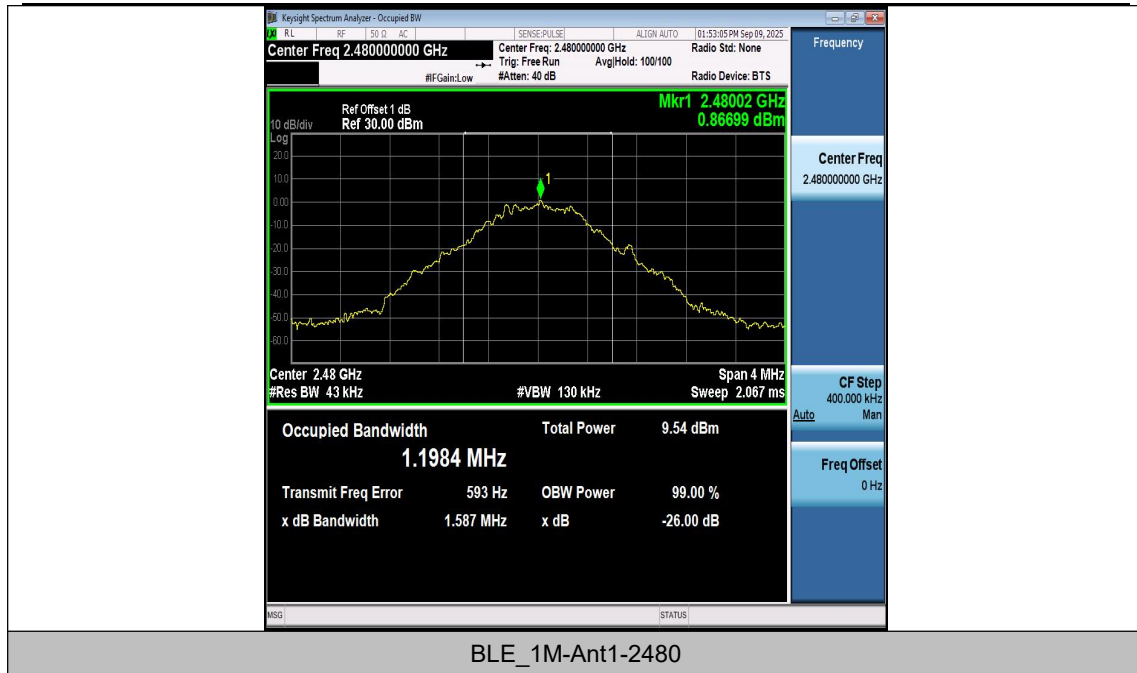
Test Graphs



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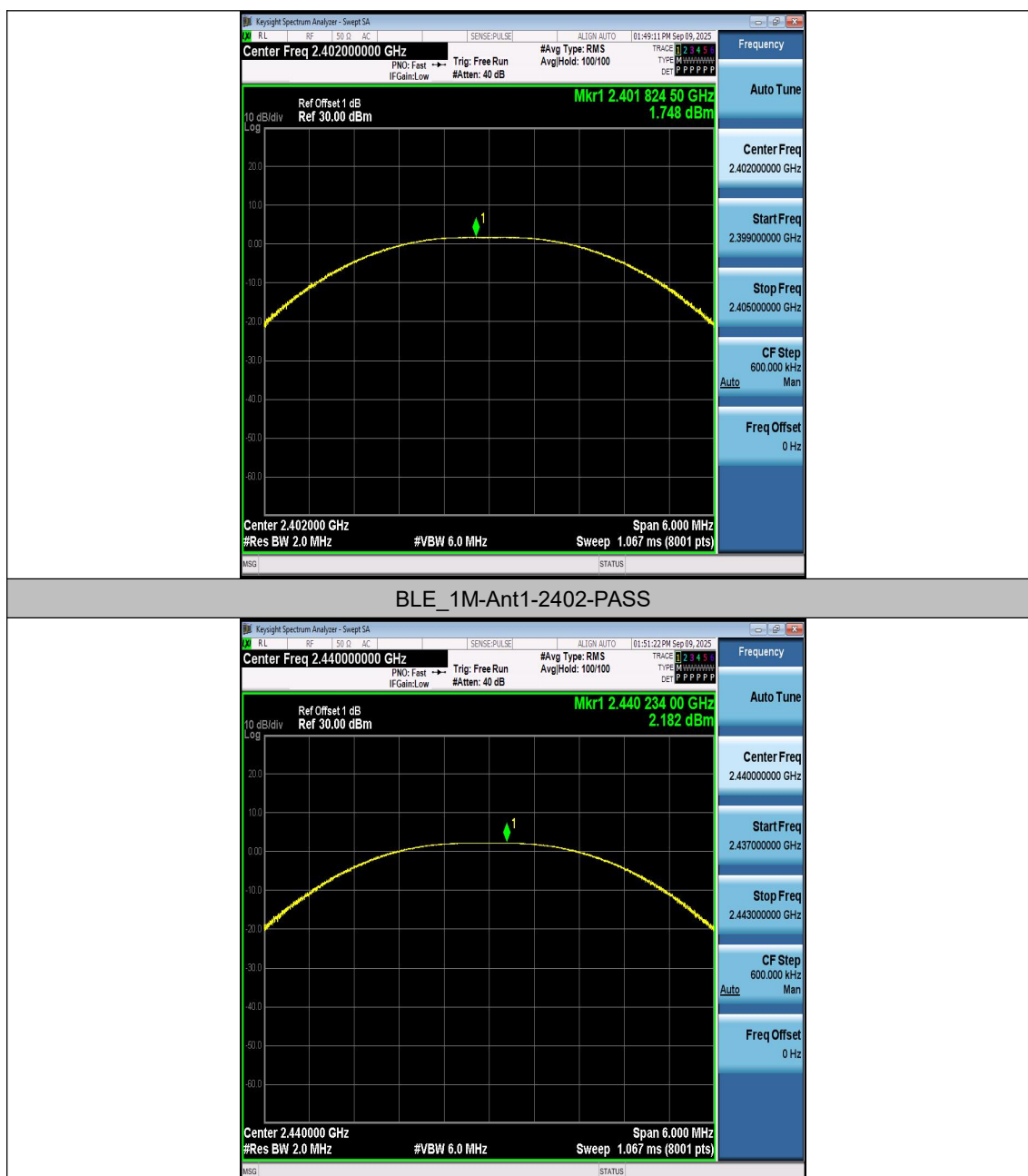
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.75	≤30	PASS
BLE_1M	Ant1	2440	2.18	≤30	PASS
BLE_1M	Ant1	2480	2.65	≤30	PASS

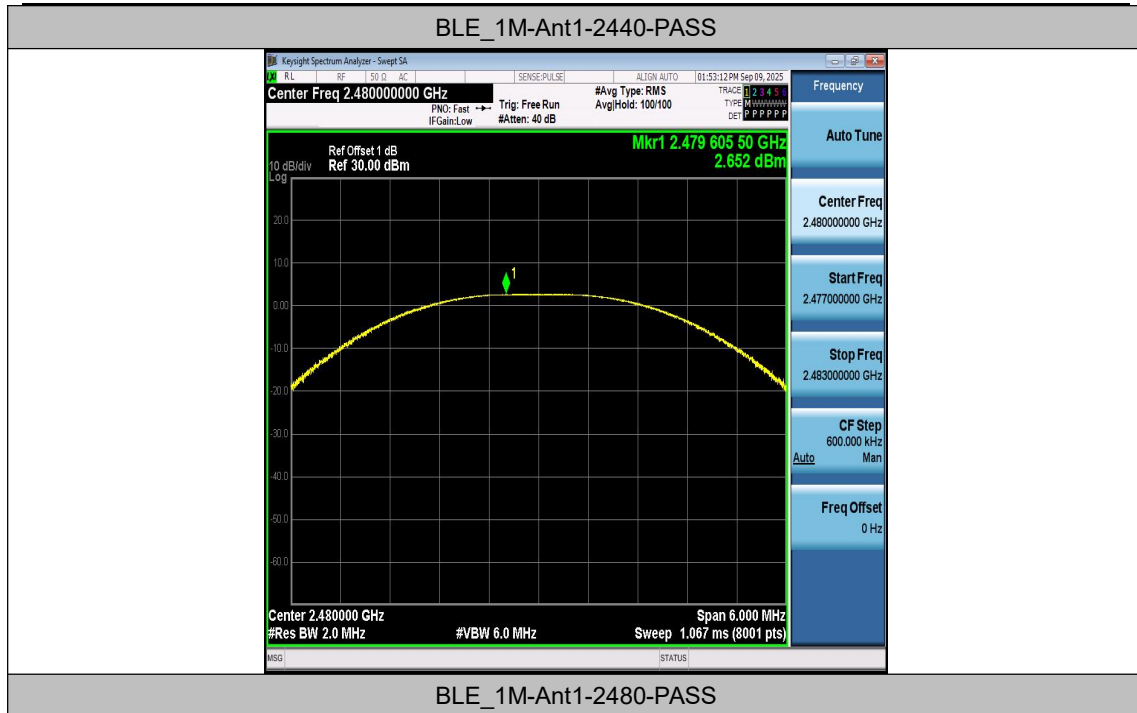
Test Graphs Peak



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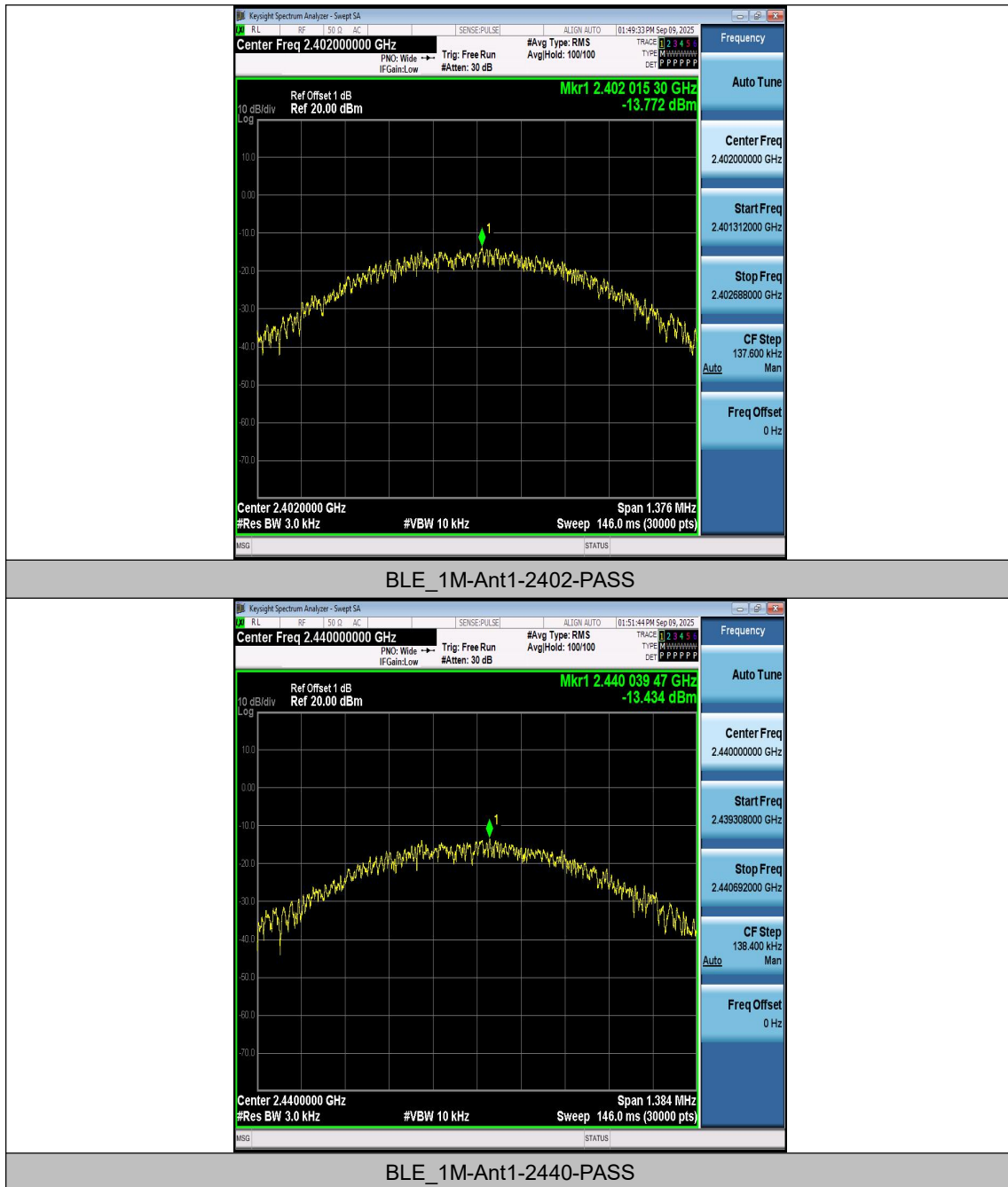
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.77	≤8.00	PASS
BLE_1M	Ant1	2440	-13.43	≤8.00	PASS
BLE_1M	Ant1	2480	-12.67	≤8.00	PASS

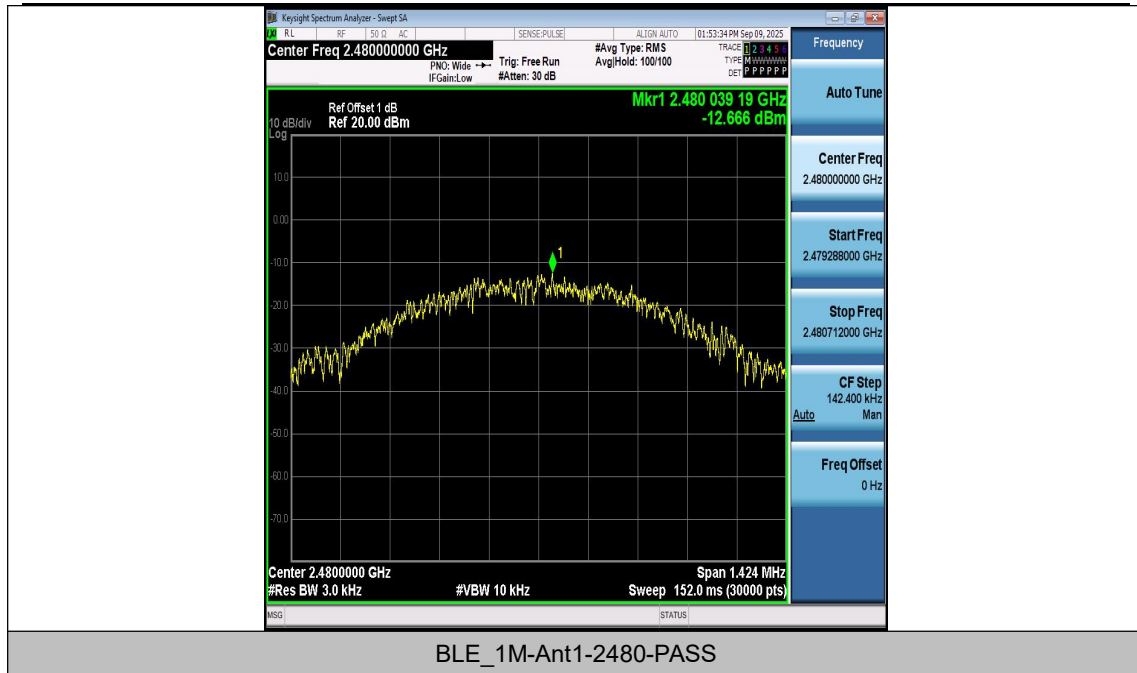
Test Graphs



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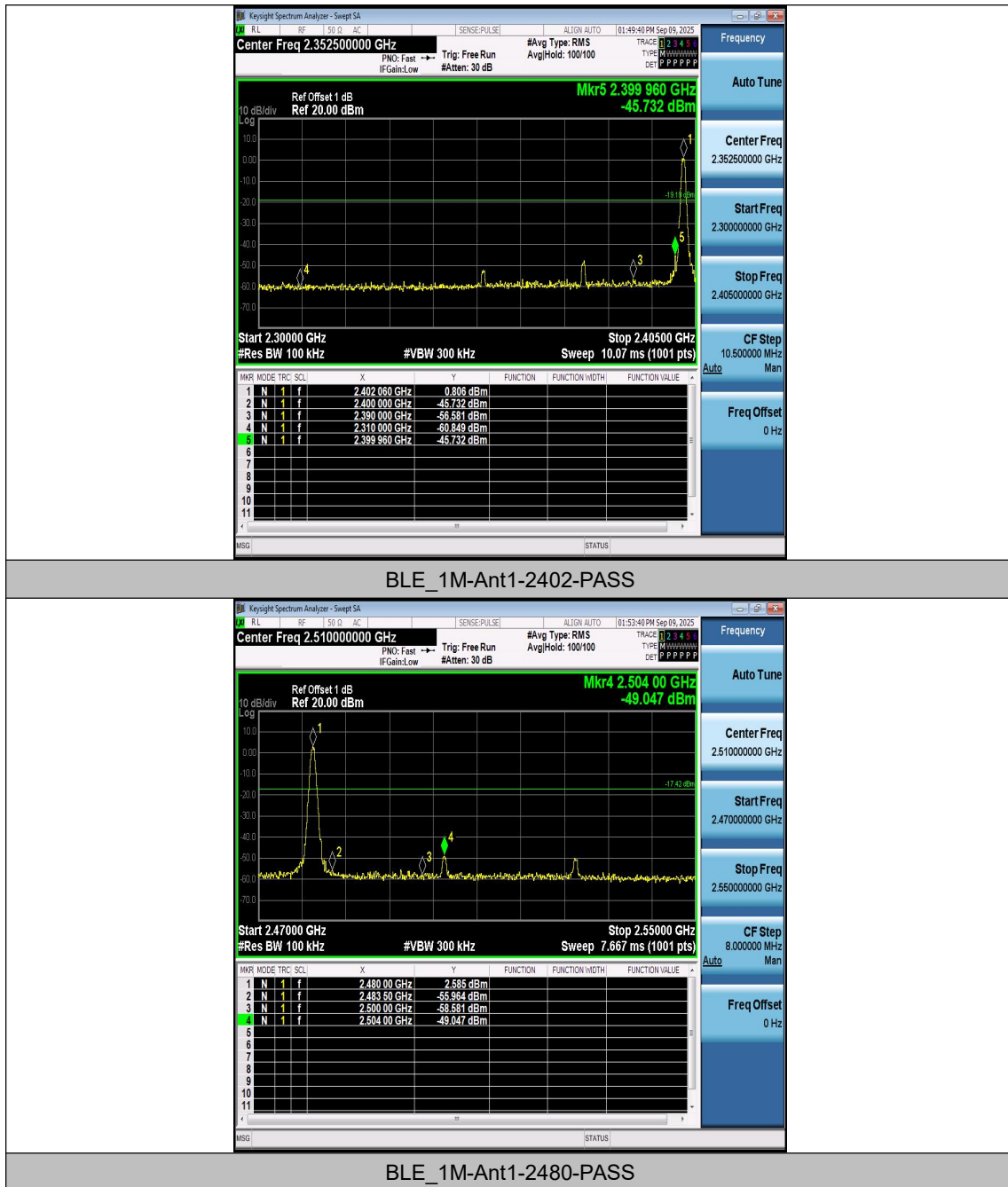
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.81	-45.73	≤-19.19	PASS
BLE_1M	Ant1	High	2480	2.59	-49.05	≤-17.42	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



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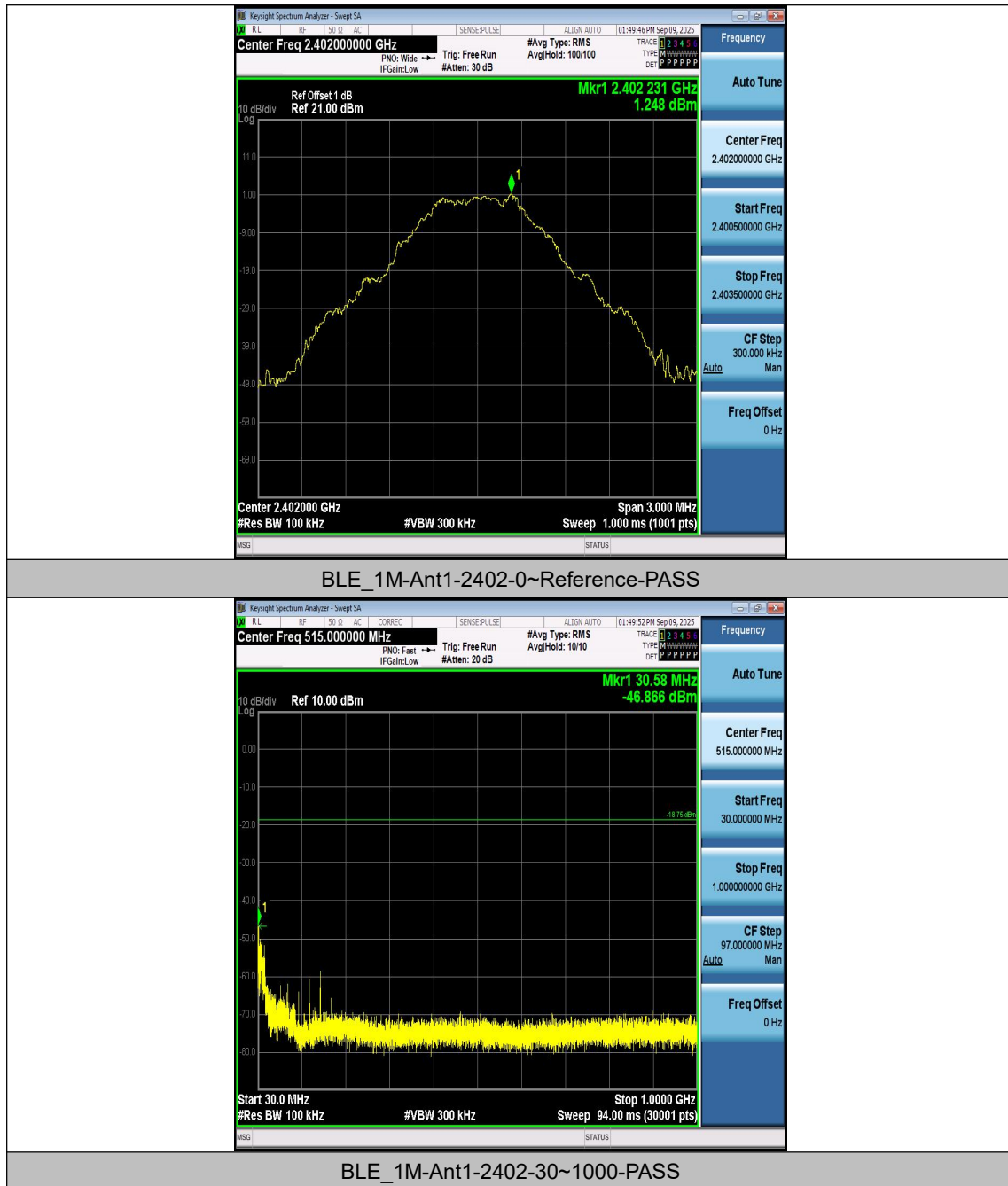
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.25	1.25	---	PASS
BLE_1M	Ant1	2402	30~1000	1.25	-46.87	≤-18.75	PASS
BLE_1M	Ant1	2402	1000~26500	1.25	-44.36	≤-18.75	PASS
BLE_1M	Ant1	2440	0~Reference	1.06	1.06	---	PASS
BLE_1M	Ant1	2440	30~1000	1.06	-46.61	≤-18.94	PASS
BLE_1M	Ant1	2440	1000~26500	1.06	-45.03	≤-18.94	PASS
BLE_1M	Ant1	2480	0~Reference	2.37	2.37	---	PASS
BLE_1M	Ant1	2480	30~1000	2.37	-46.8	≤-17.63	PASS
BLE_1M	Ant1	2480	1000~26500	2.37	-44.49	≤-17.63	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.

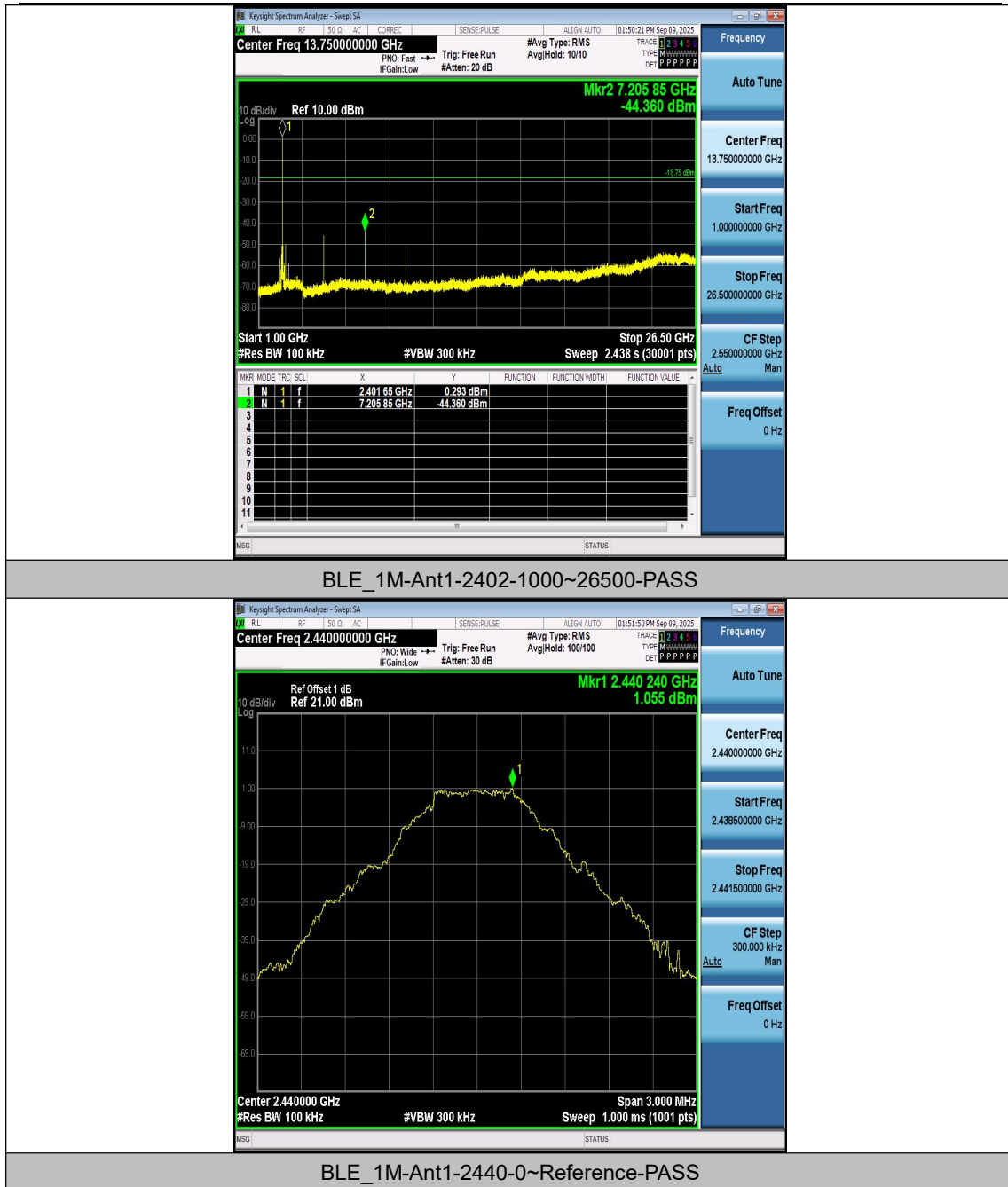
Test Graphs



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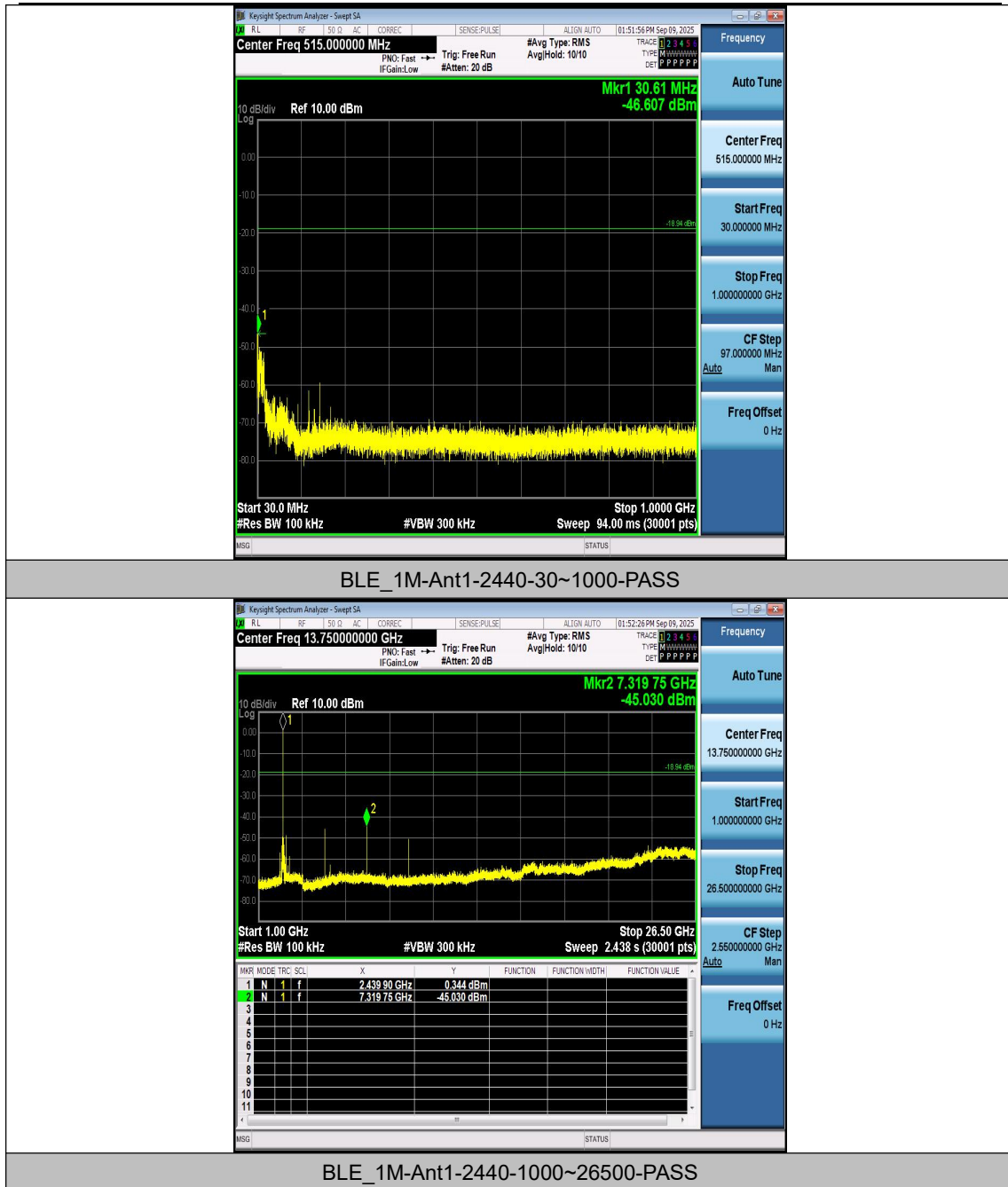
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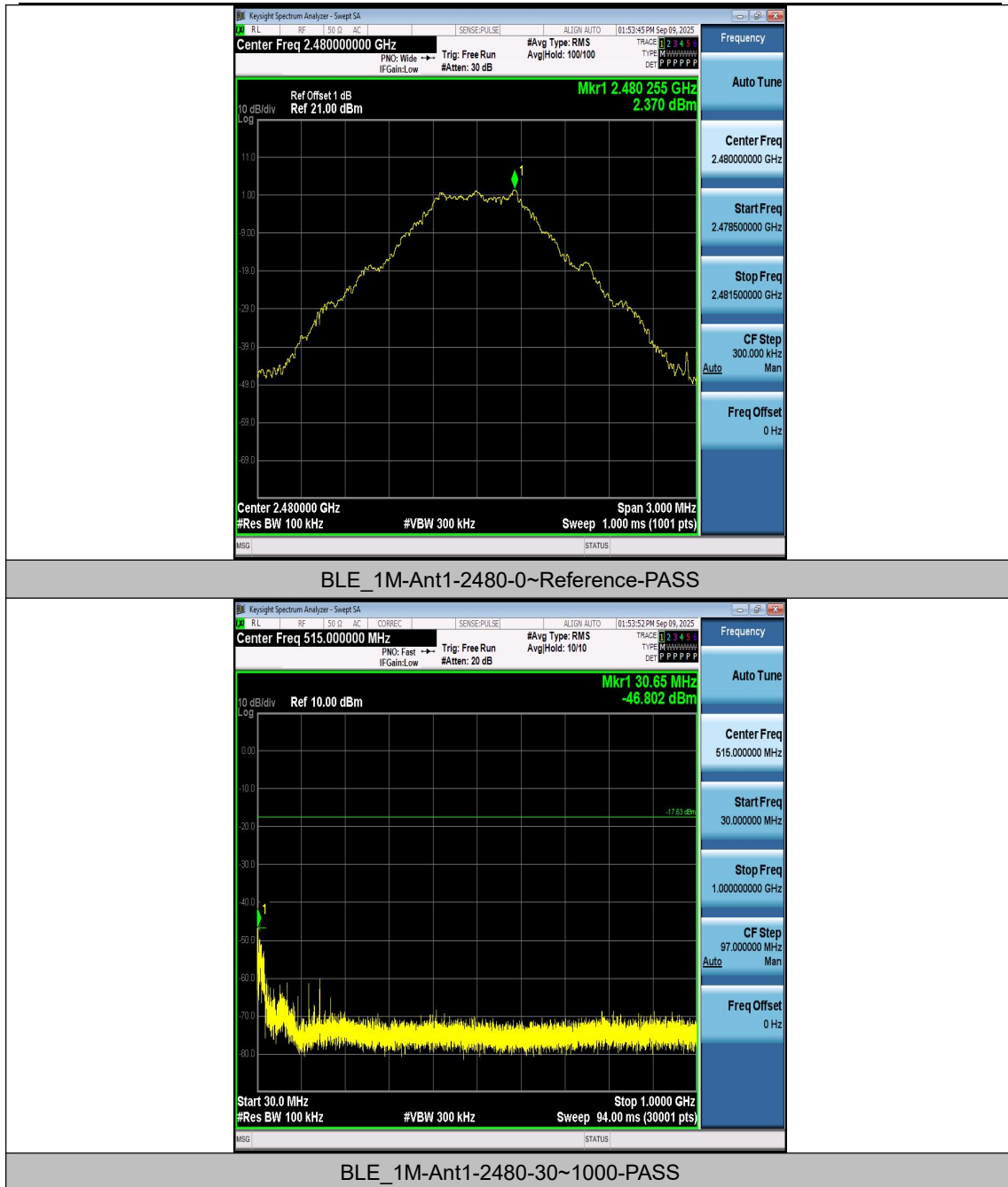
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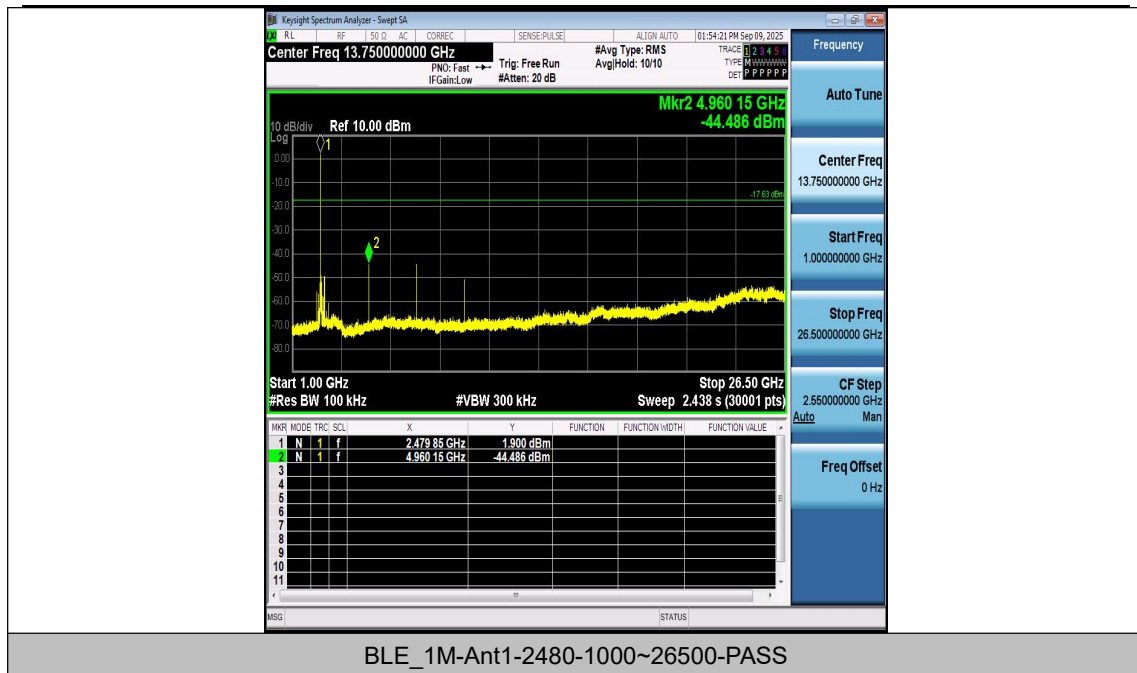
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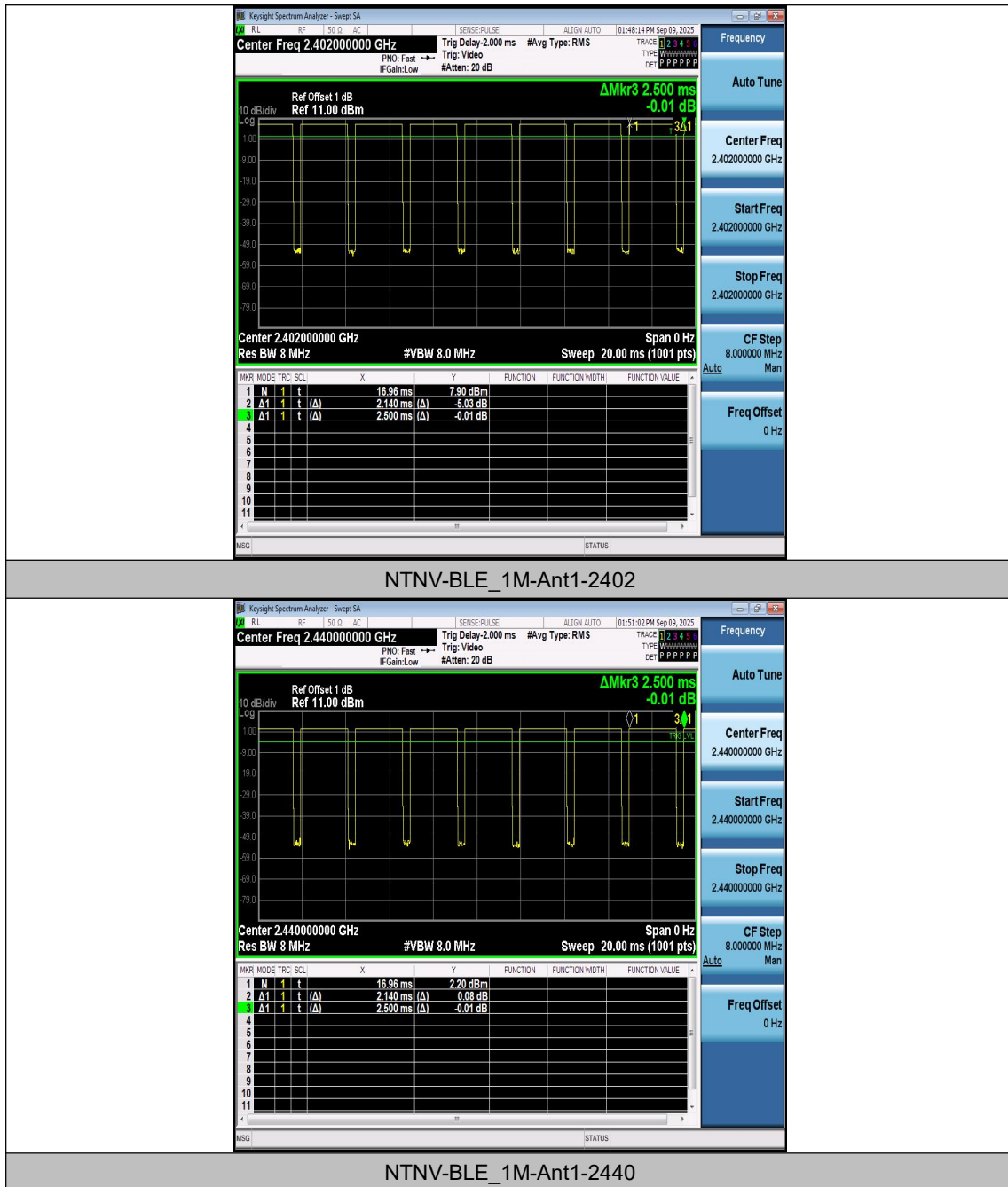
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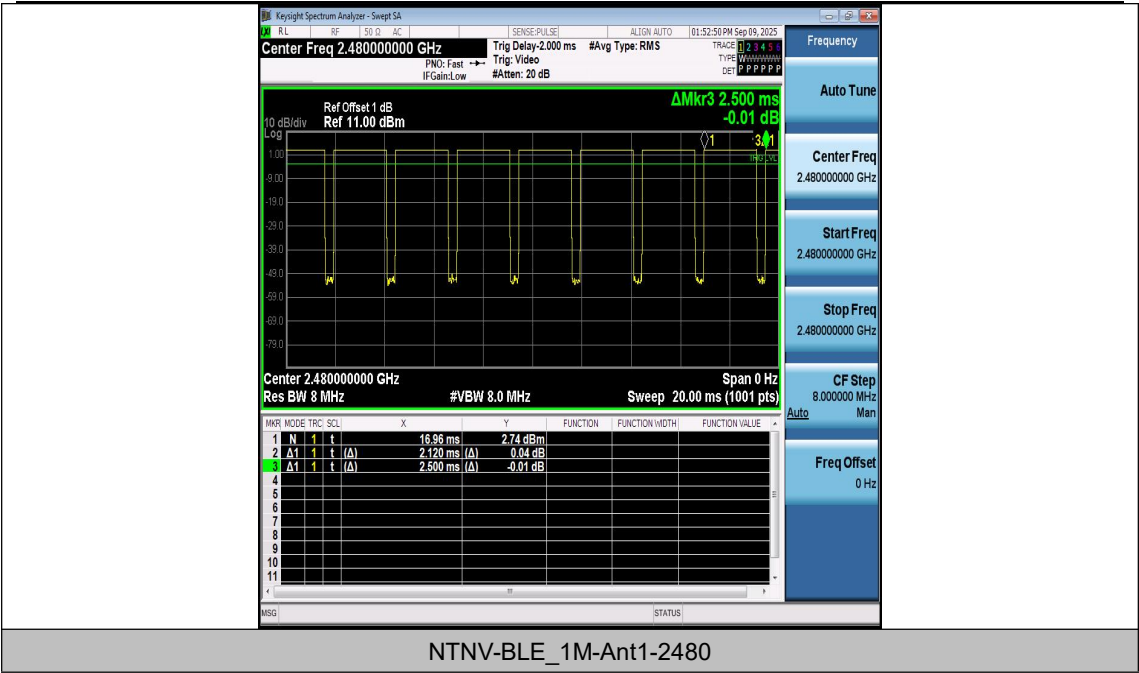
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.50	85.60	0.68
BLE_1M	Ant1	2440	2.14	2.50	85.60	0.68
BLE_1M	Ant1	2480	2.12	2.50	84.80	0.72

Test Graphs





---End---