

Appendix Test Data

Report No.:	1812C50503312502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-09	Finish Test Date:	2025-10-09.
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	27.2°C	Relative Humidity:	51%
Pressure:	101kPa		

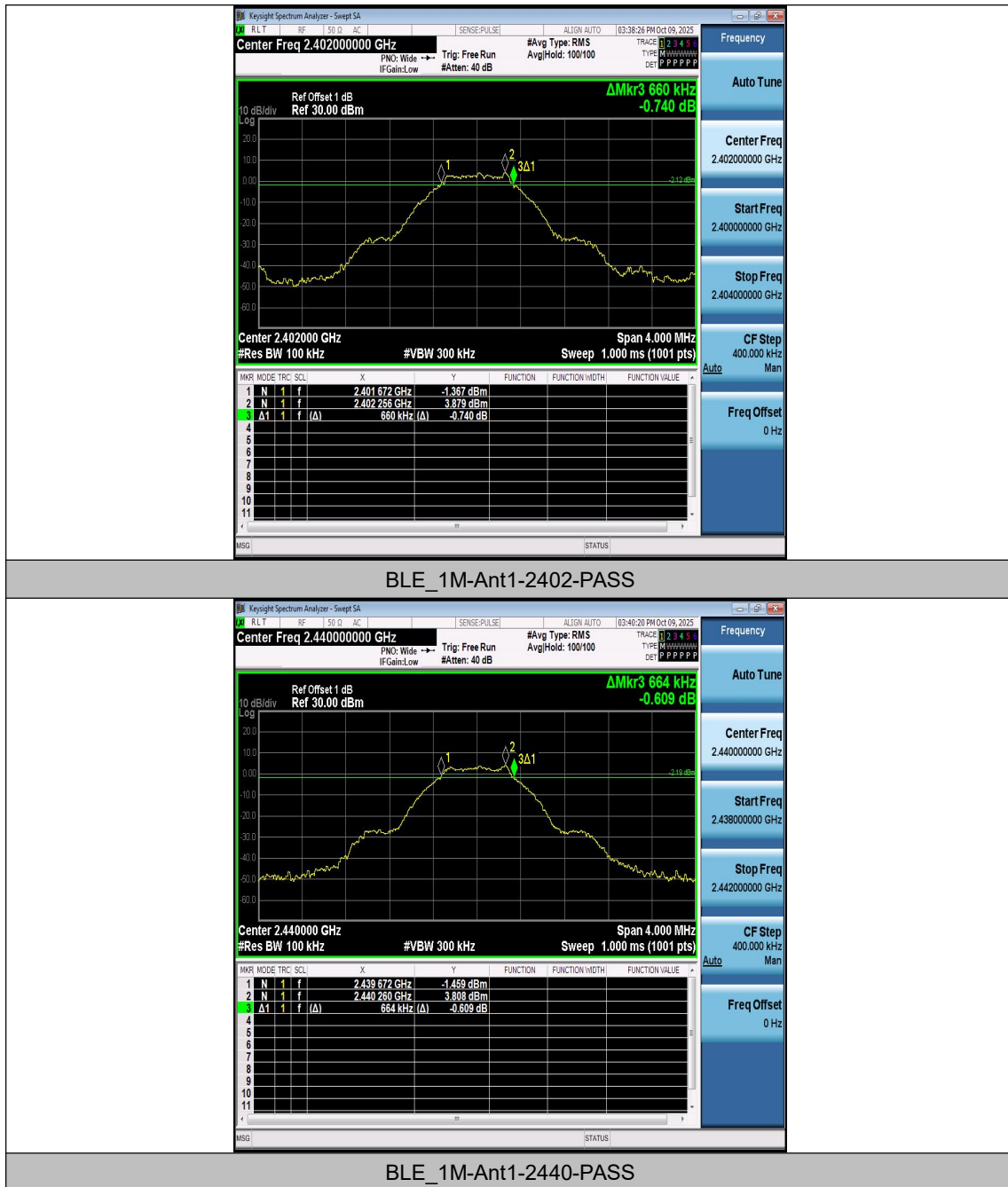


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.672	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.672	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.704	2479.628	2480.332	0.5	PASS

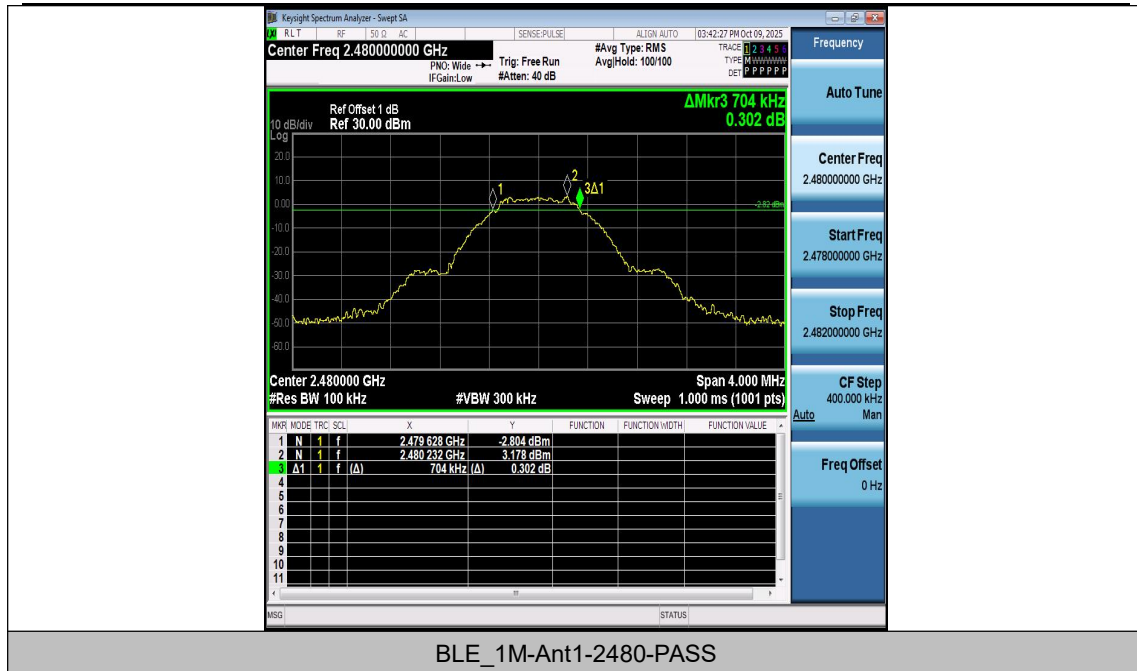
Test Graphs



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BLE_1M-Ant1-2480-PASS

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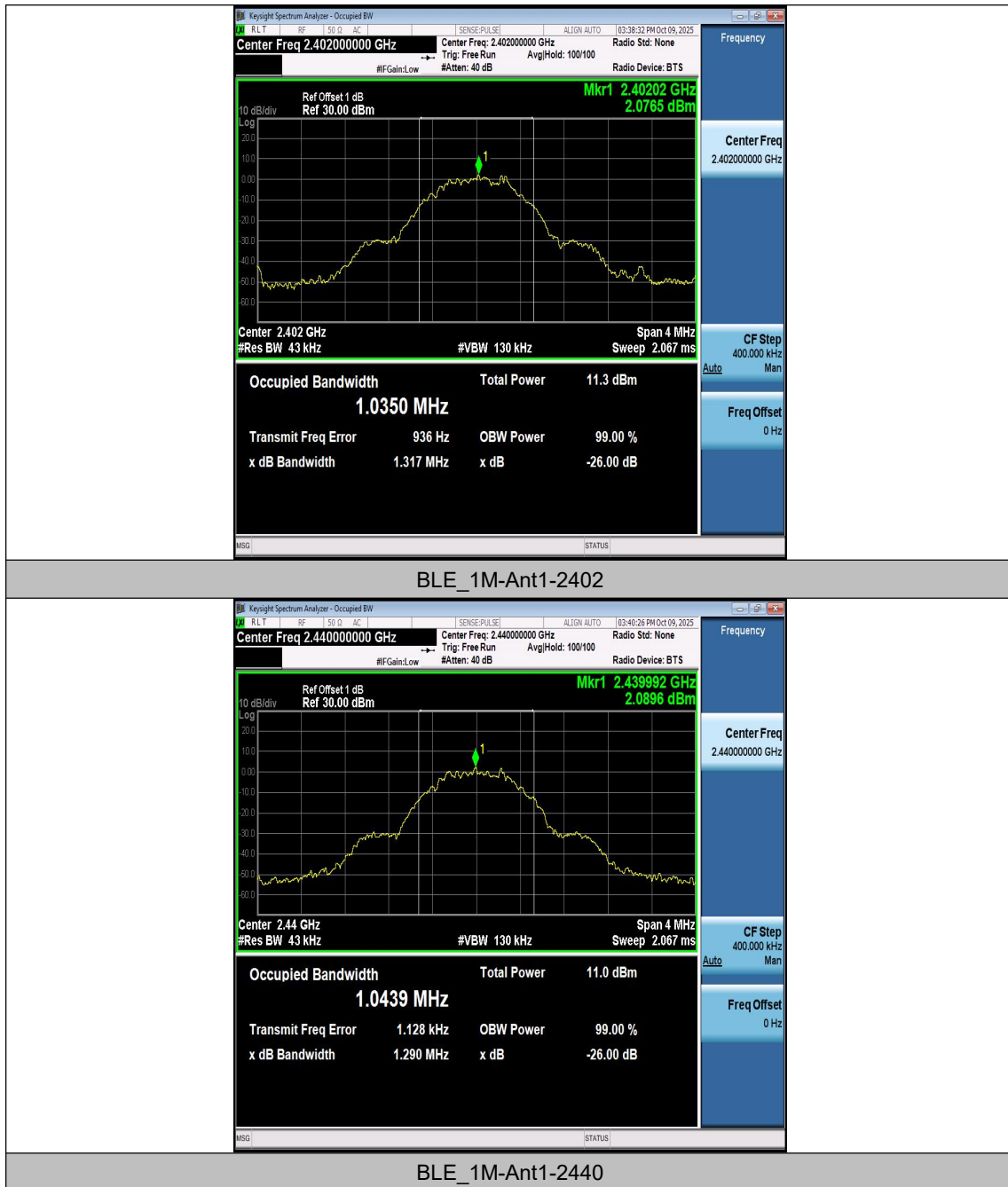
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0350	2401.4834	2402.5184	---	---
BLE_1M	Ant1	2440	1.0439	2439.4792	2440.5231	---	---
BLE_1M	Ant1	2480	1.0330	2479.4830	2480.5160	---	---

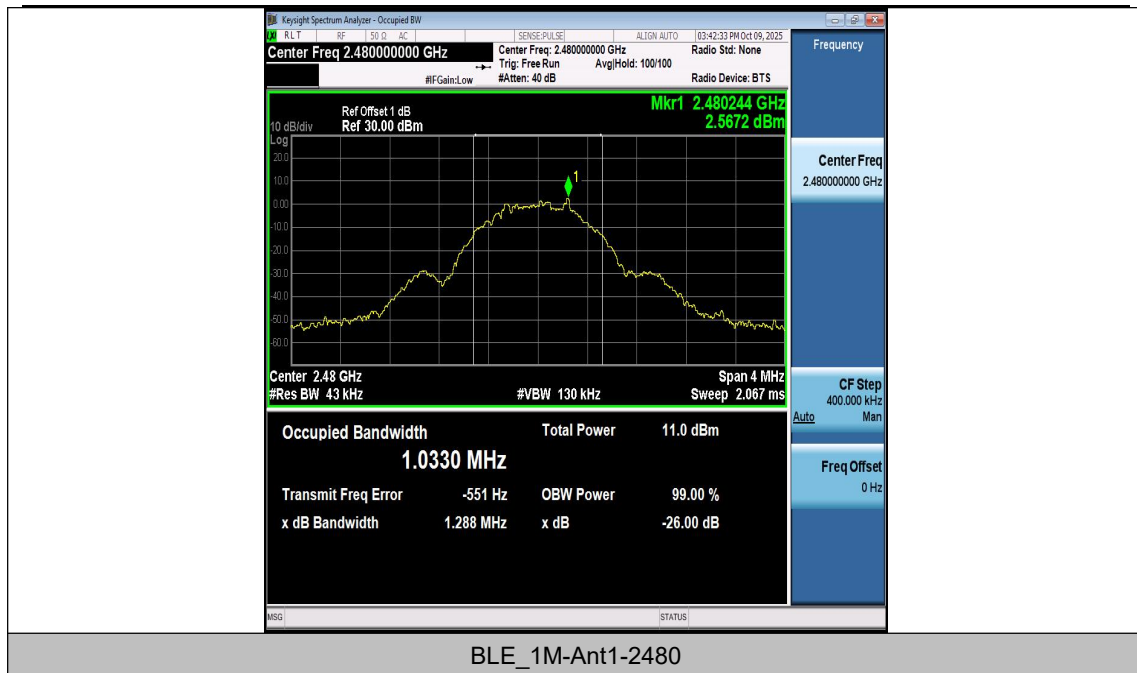
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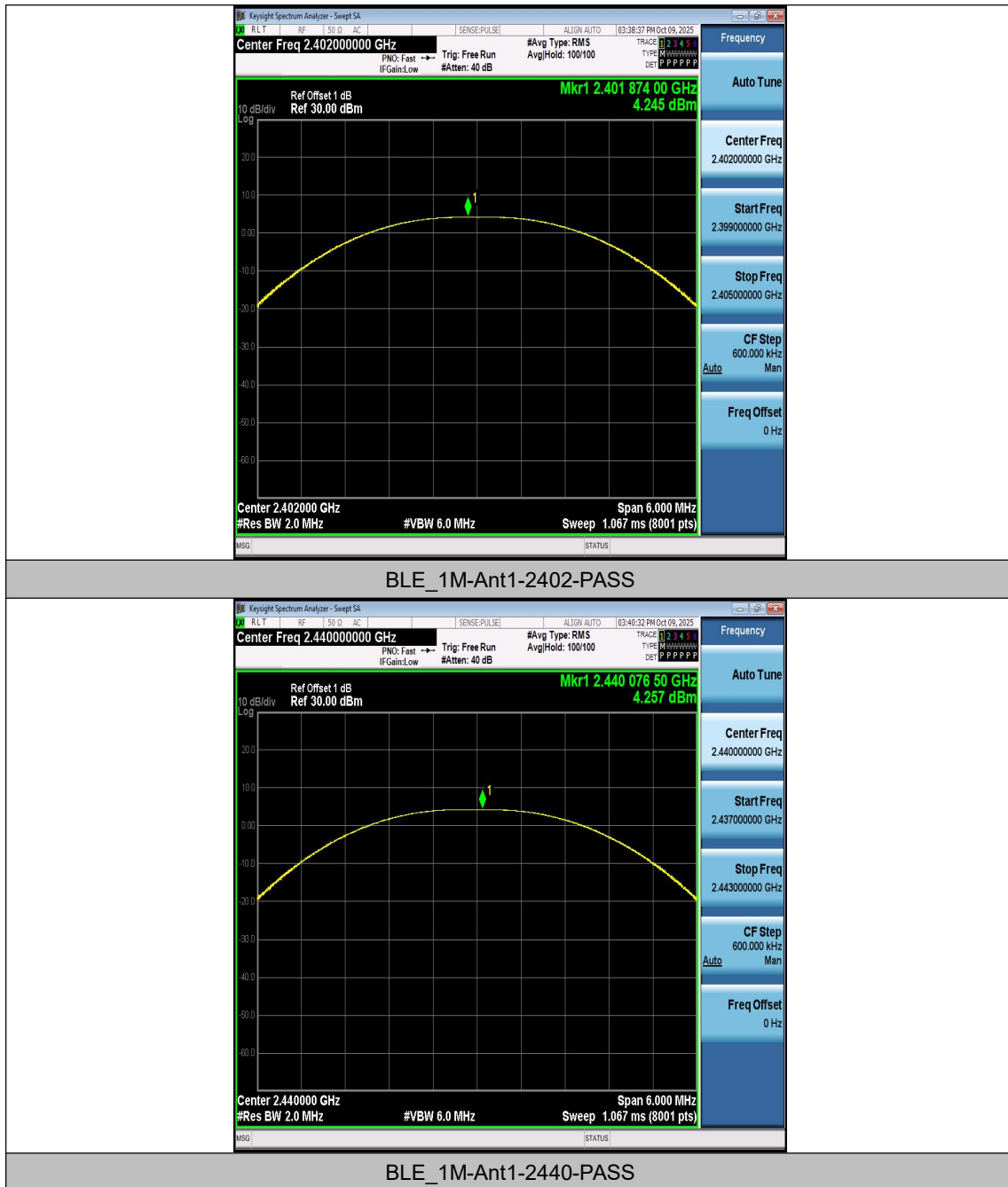
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.25	≤30	PASS
BLE_1M	Ant1	2440	4.26	≤30	PASS
BLE_1M	Ant1	2480	4.09	≤30	PASS

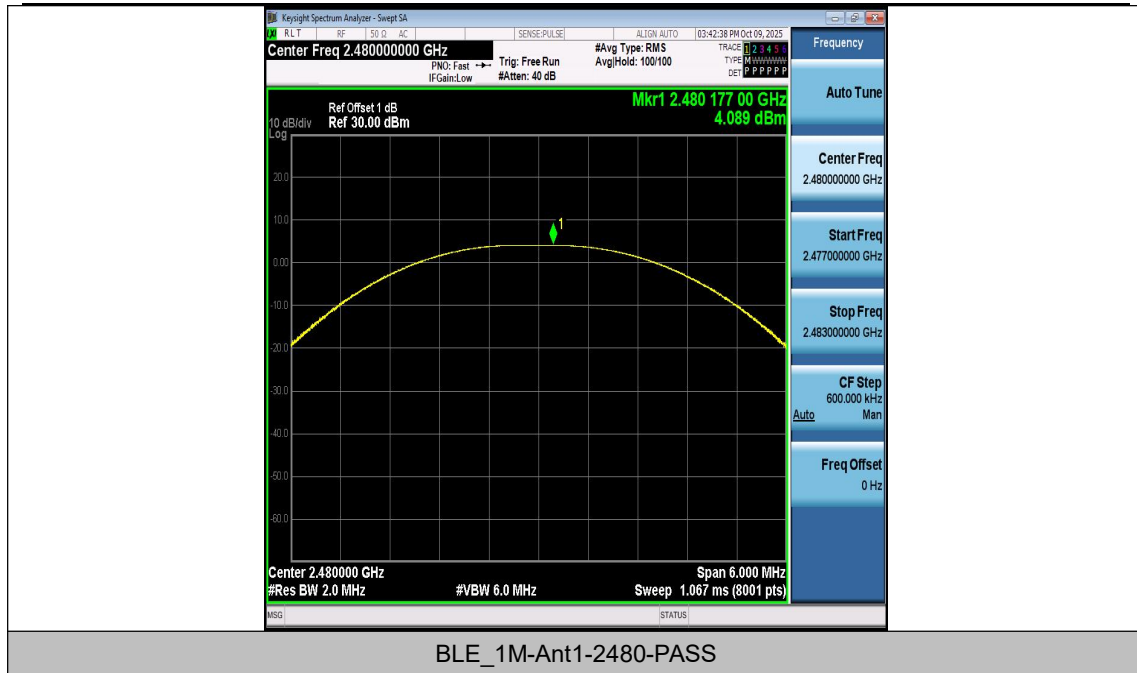
Test Graphs Peak



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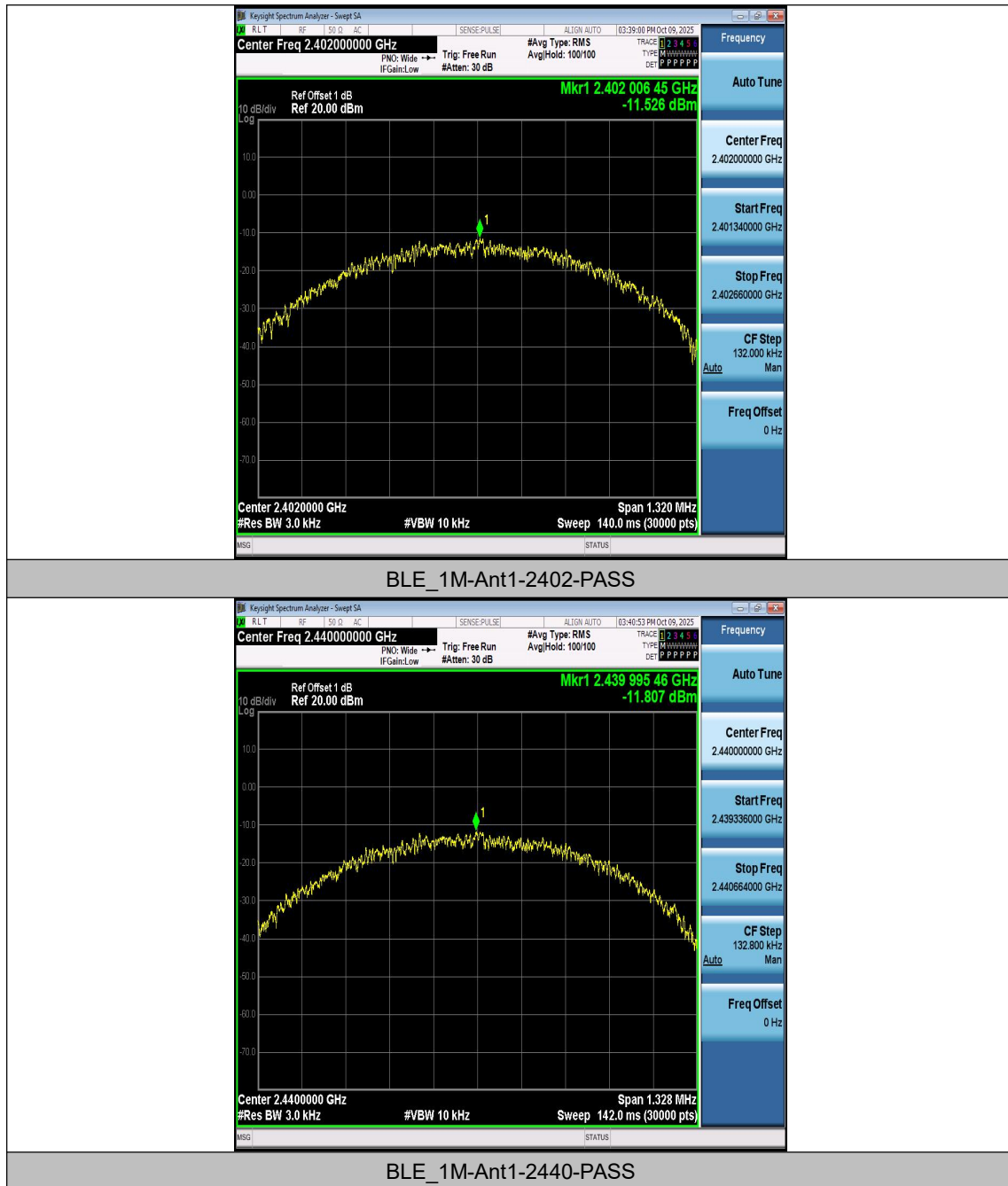
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.53	≤8.00	PASS
BLE_1M	Ant1	2440	-11.81	≤8.00	PASS
BLE_1M	Ant1	2480	-12.03	≤8.00	PASS

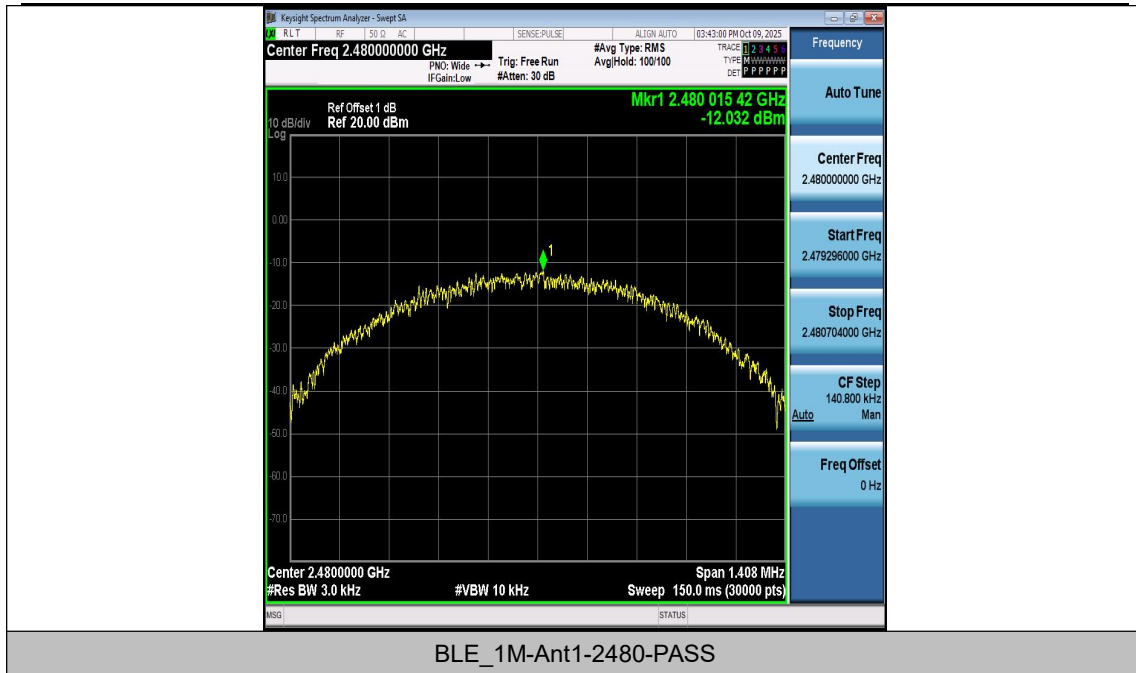
Test Graphs



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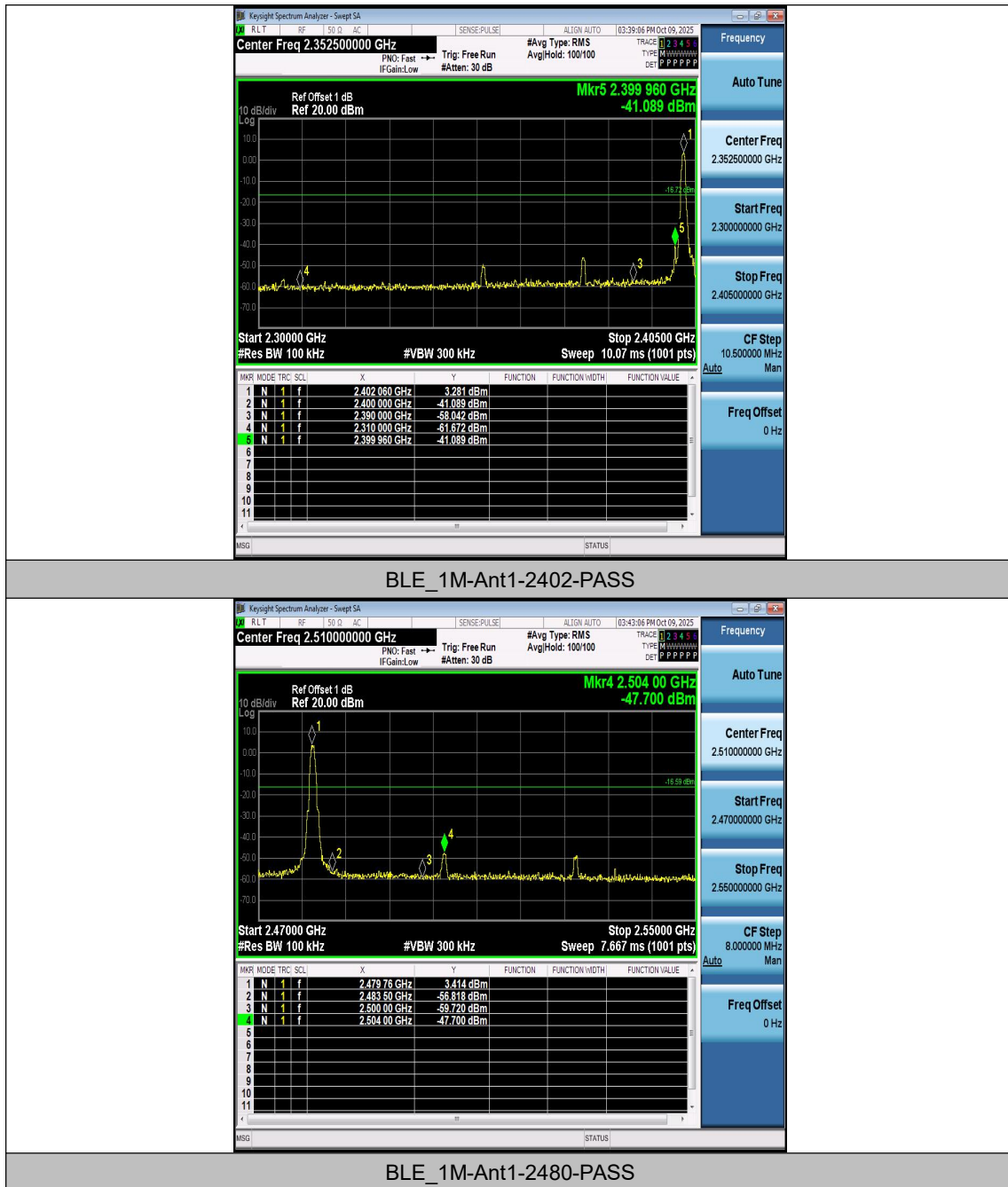
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.28	-41.09	≤-16.72	PASS
BLE_1M	Ant1	High	2480	3.41	-47.7	≤-16.59	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs



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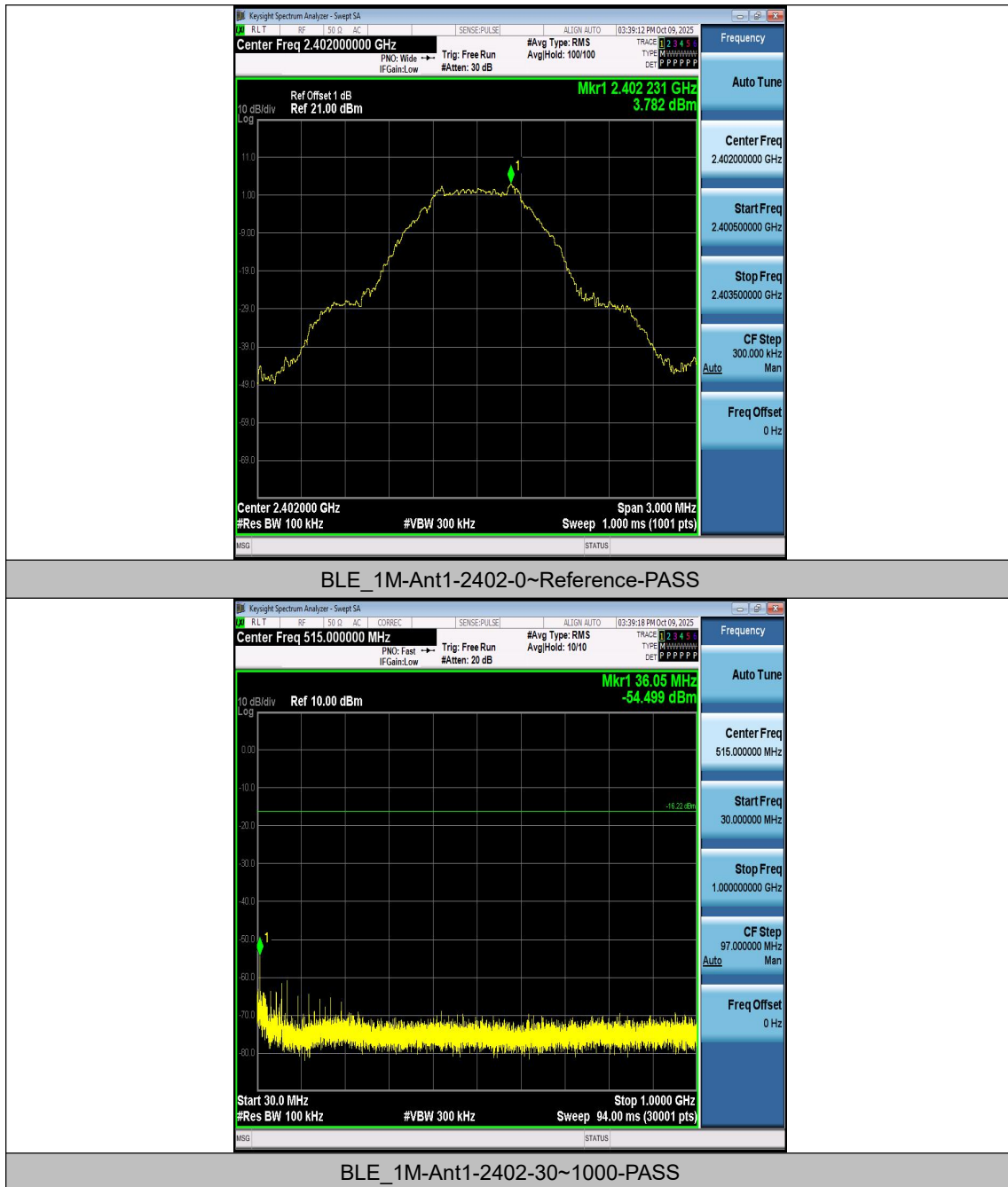
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.78	3.78	---	PASS
BLE_1M	Ant1	2402	30~1000	3.78	-54.5	≤-16.22	PASS
BLE_1M	Ant1	2402	1000~26500	3.78	-44.04	≤-16.22	PASS
BLE_1M	Ant1	2440	0~Reference	3.63	3.63	---	PASS
BLE_1M	Ant1	2440	30~1000	3.63	-54.98	≤-16.37	PASS
BLE_1M	Ant1	2440	1000~26500	3.63	-44.44	≤-16.37	PASS
BLE_1M	Ant1	2480	0~Reference	3.34	3.34	---	PASS
BLE_1M	Ant1	2480	30~1000	3.34	-56.47	≤-16.66	PASS
BLE_1M	Ant1	2480	1000~26500	3.34	-44.24	≤-16.66	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

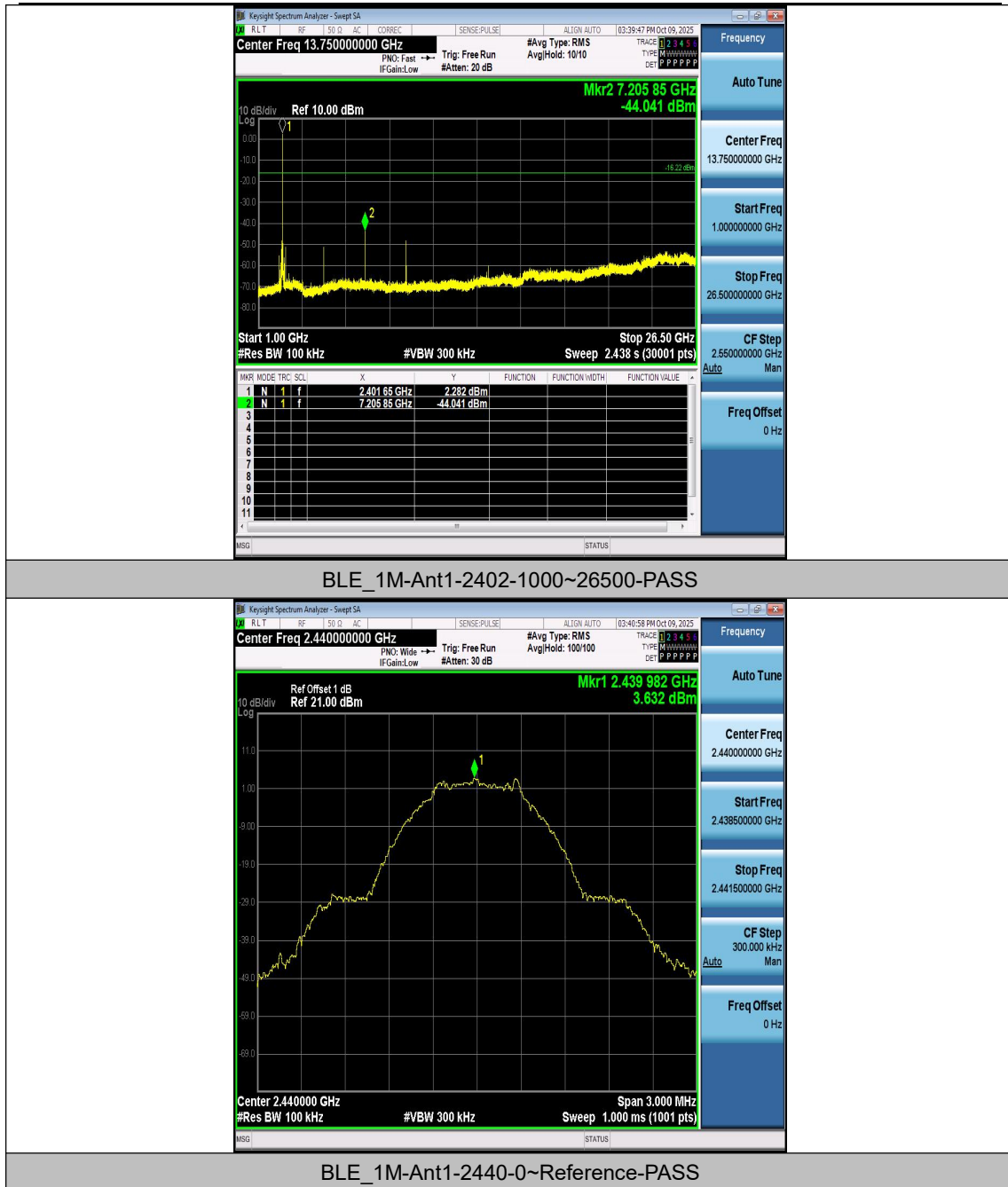
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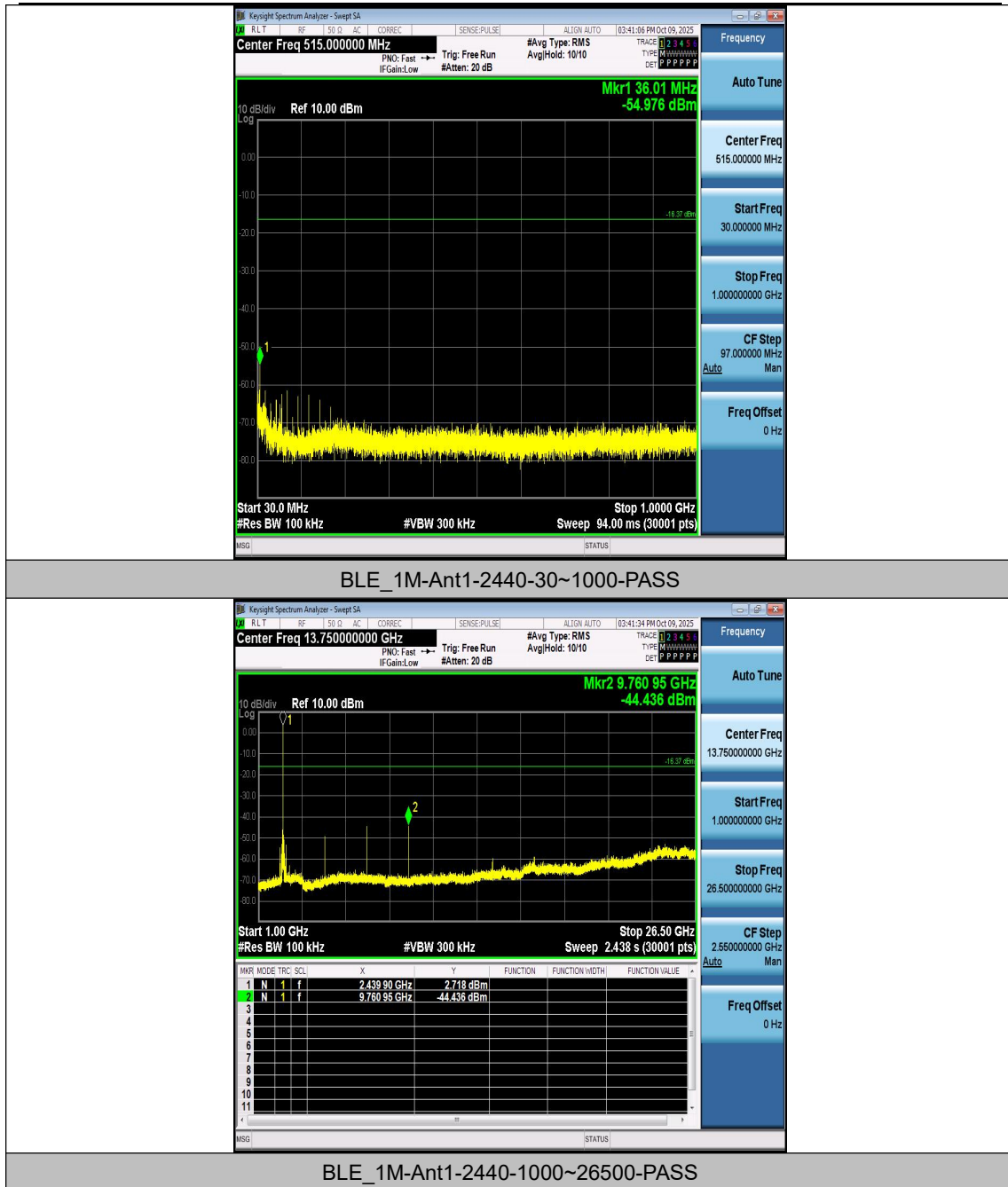
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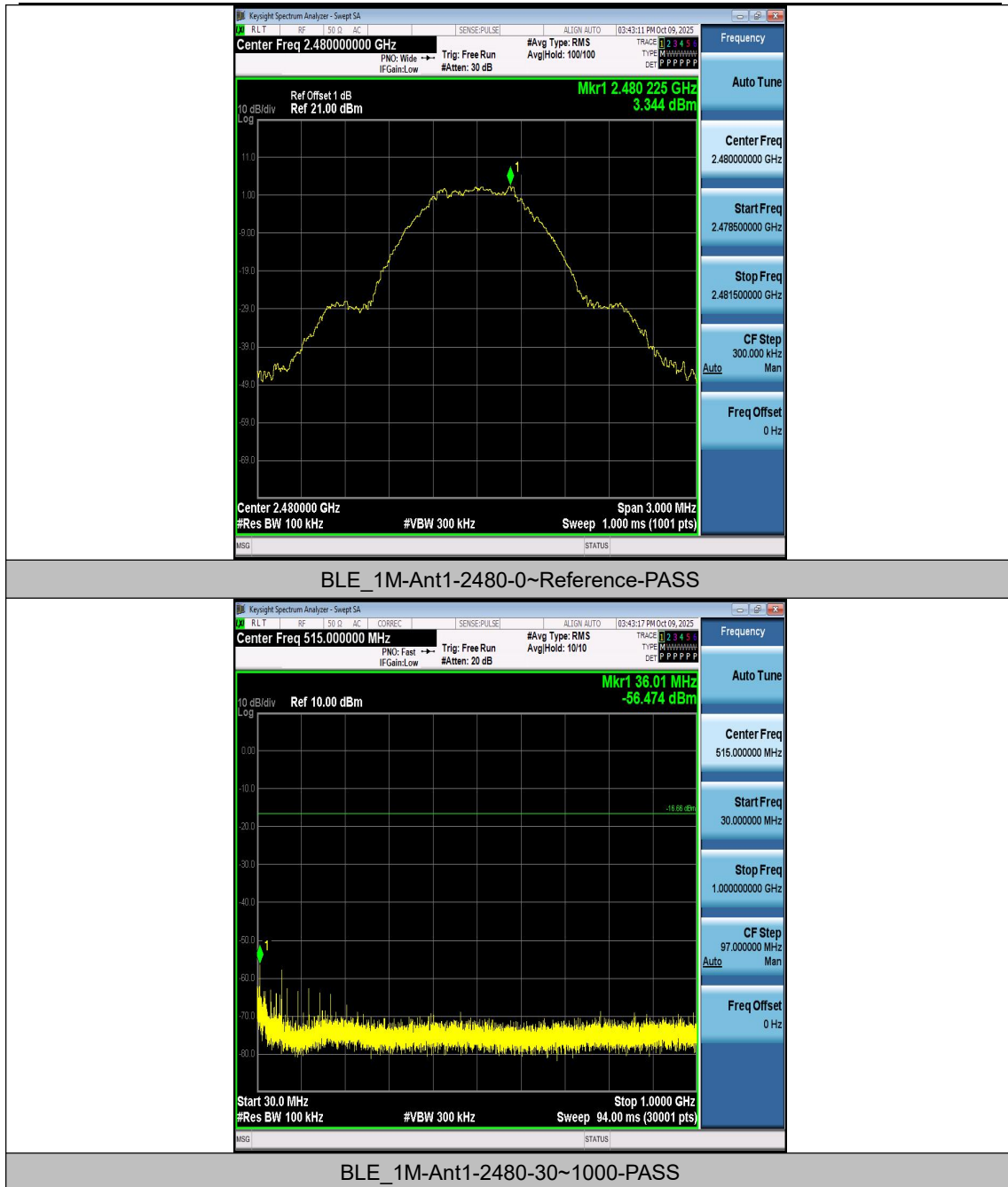
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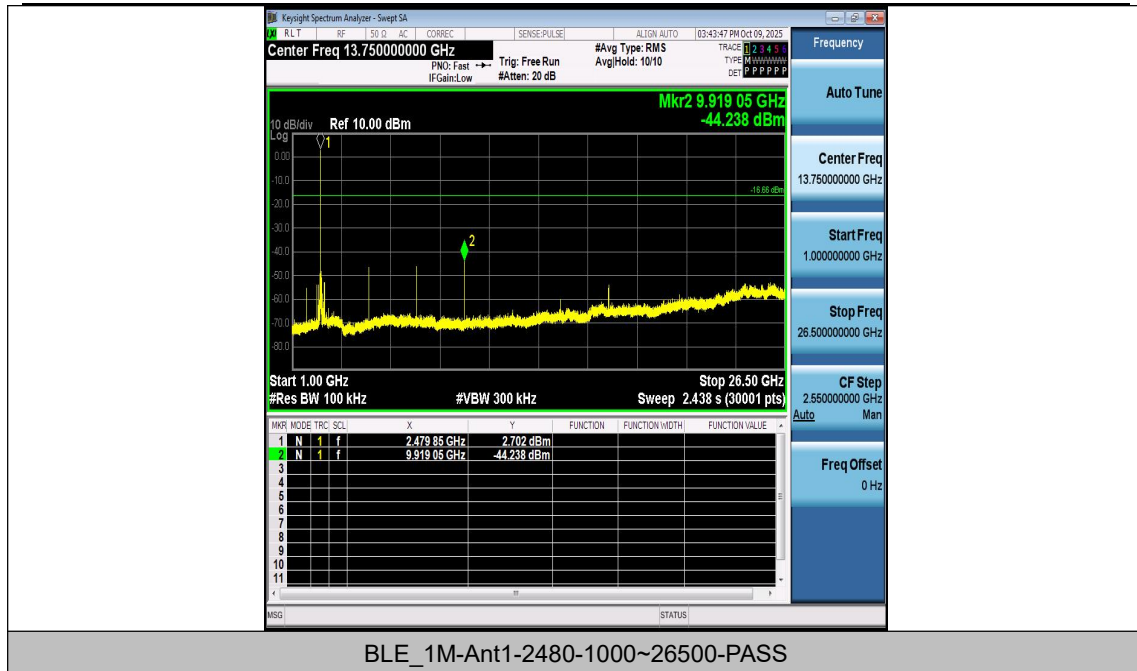
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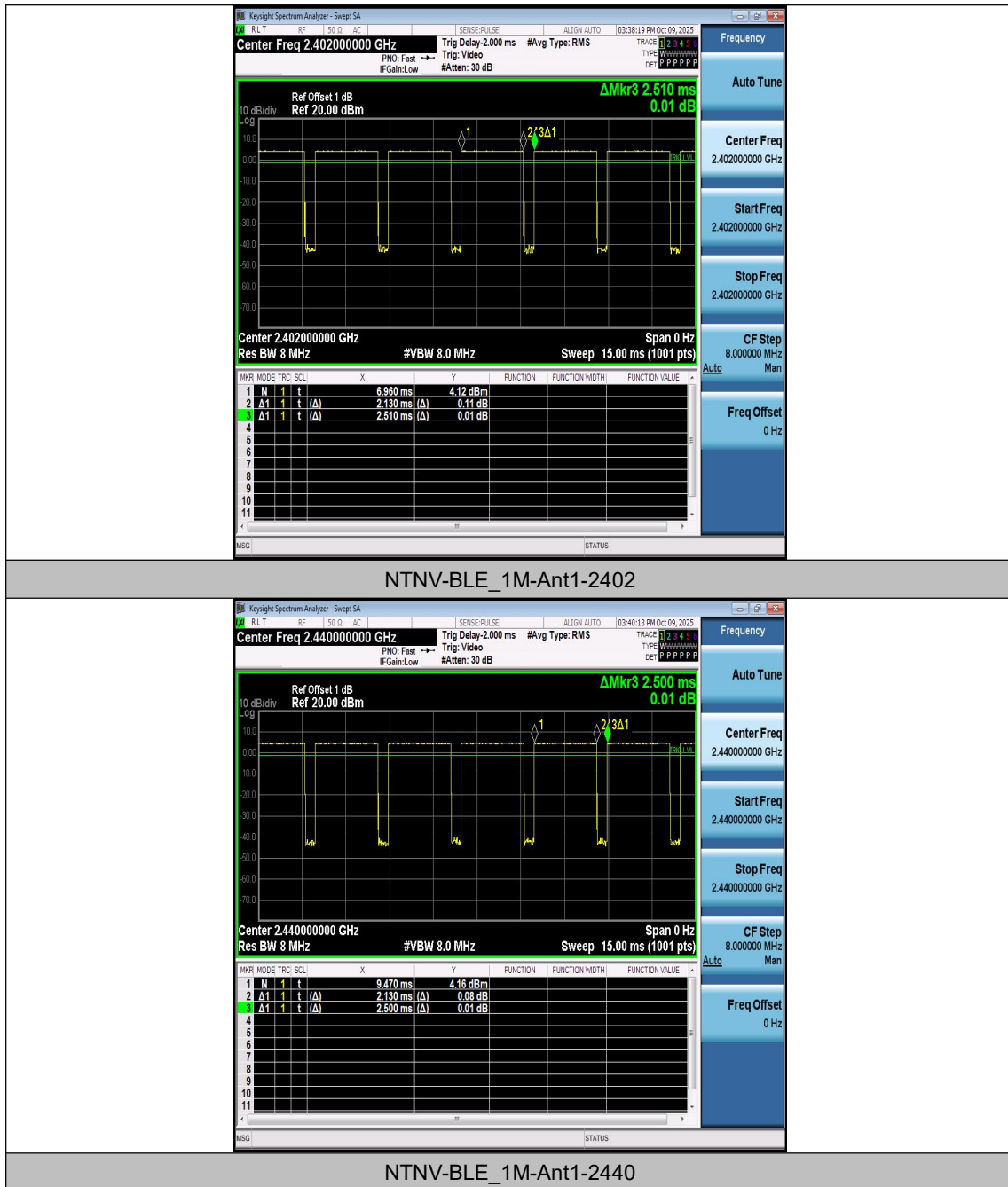
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

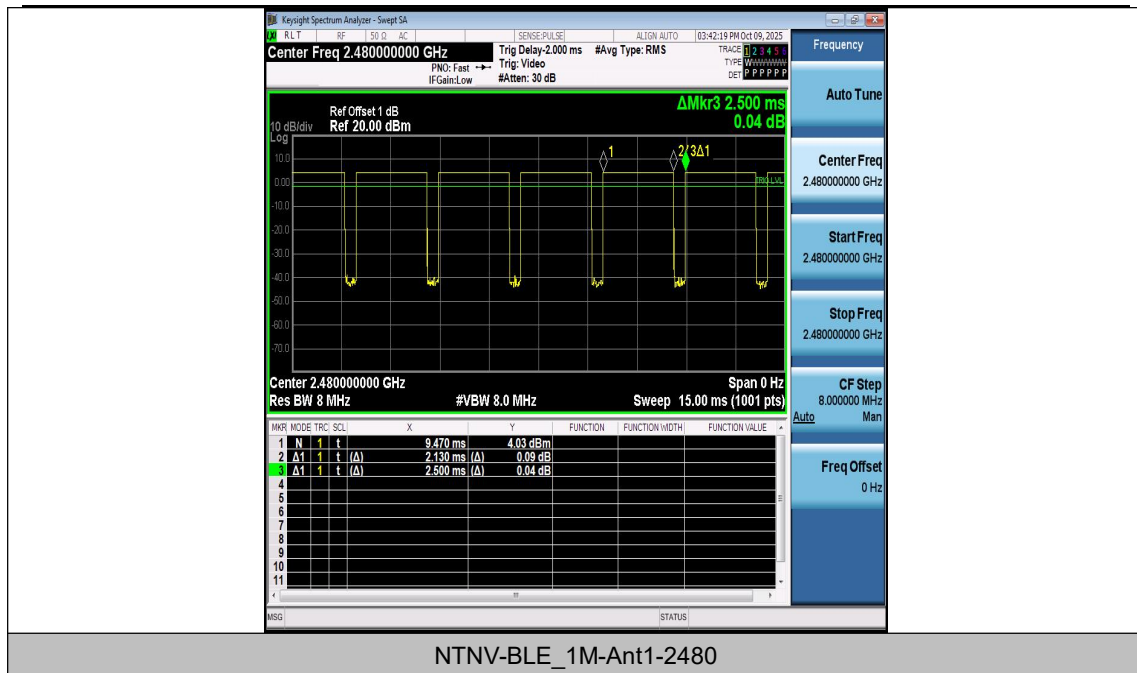
Test Graphs



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