

Appendix Test Data

Report No.:	1819C50116212502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-28	Finish Test Date:	2025-10-31
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.1°C	Relative Humidity:	50%
Pressure:	101kPa		

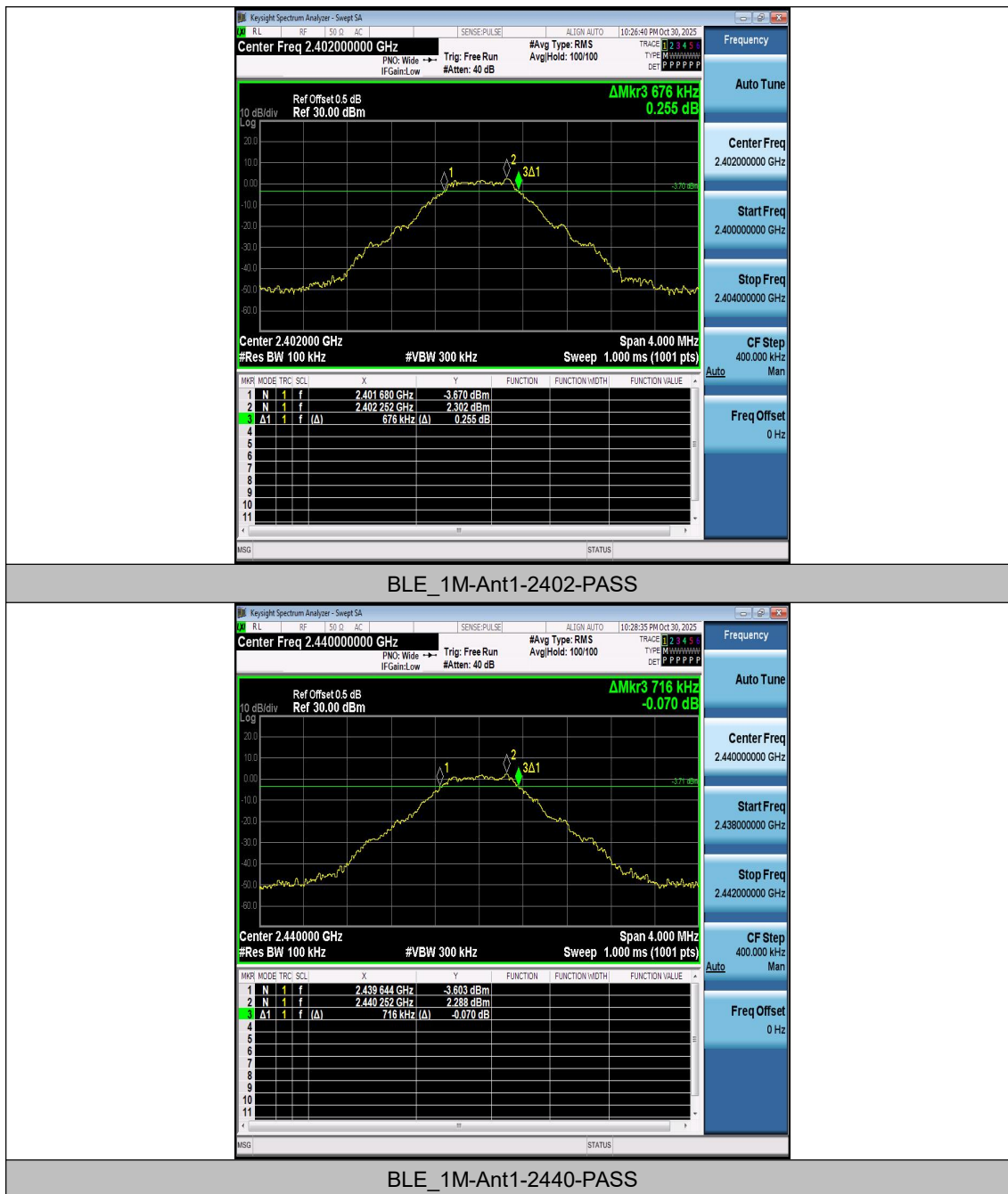


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.680	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.716	2439.644	2440.360	0.5	PASS
BLE_1M	Ant1	2480	0.700	2479.668	2480.368	0.5	PASS

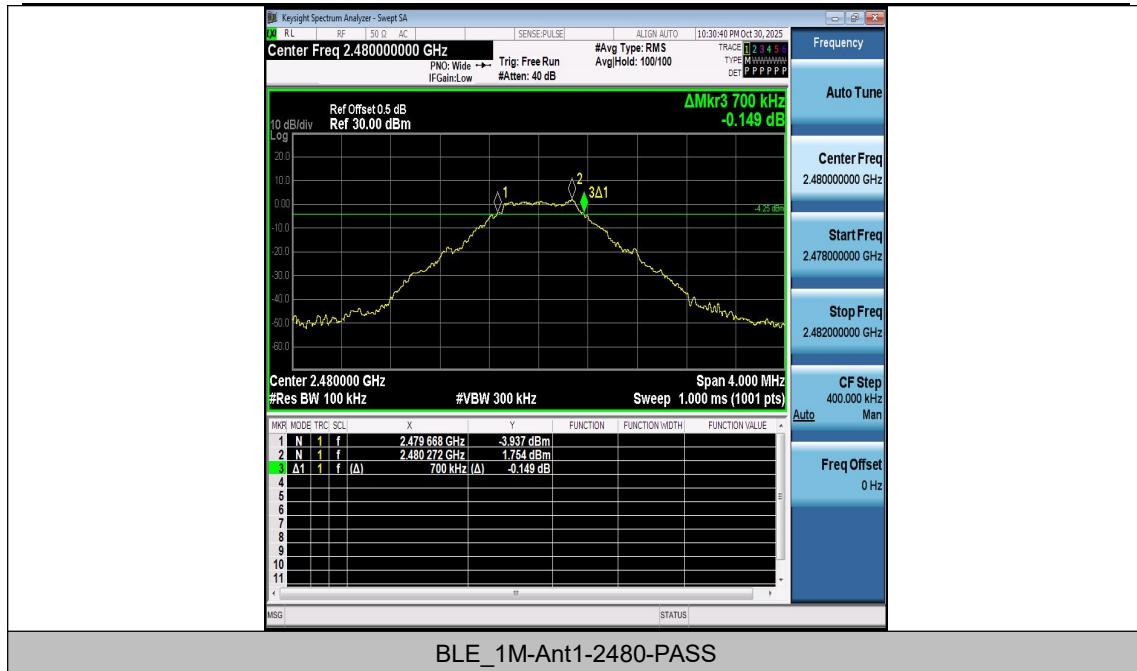
Test Graphs



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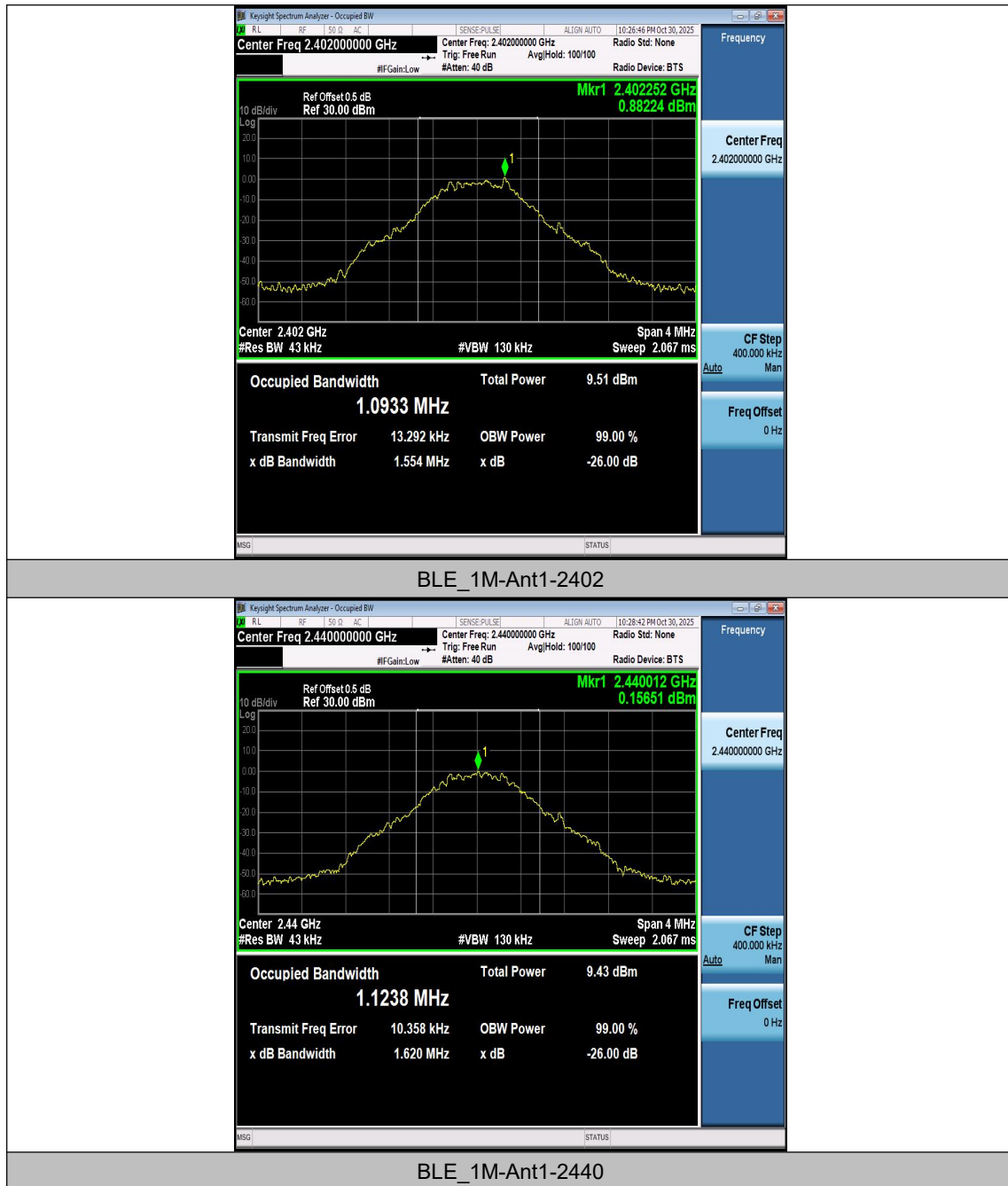
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0933	2401.4666	2402.5599	---	---
BLE_1M	Ant1	2440	1.1238	2439.4485	2440.5723	---	---
BLE_1M	Ant1	2480	1.1405	2479.4342	2480.5747	---	---

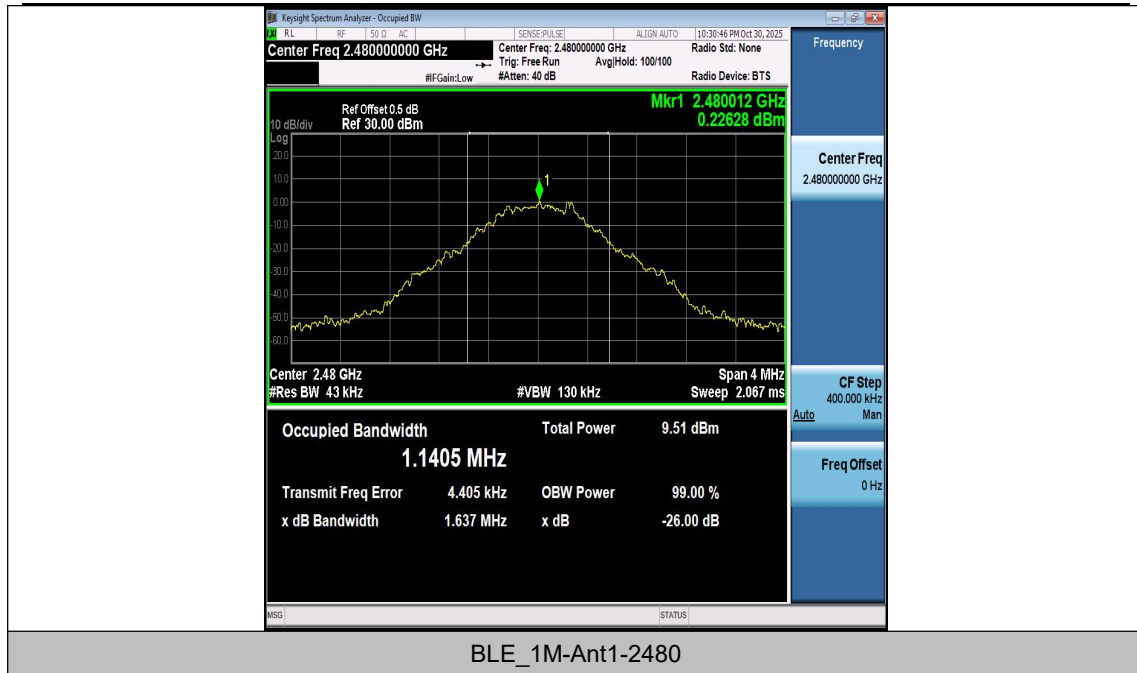
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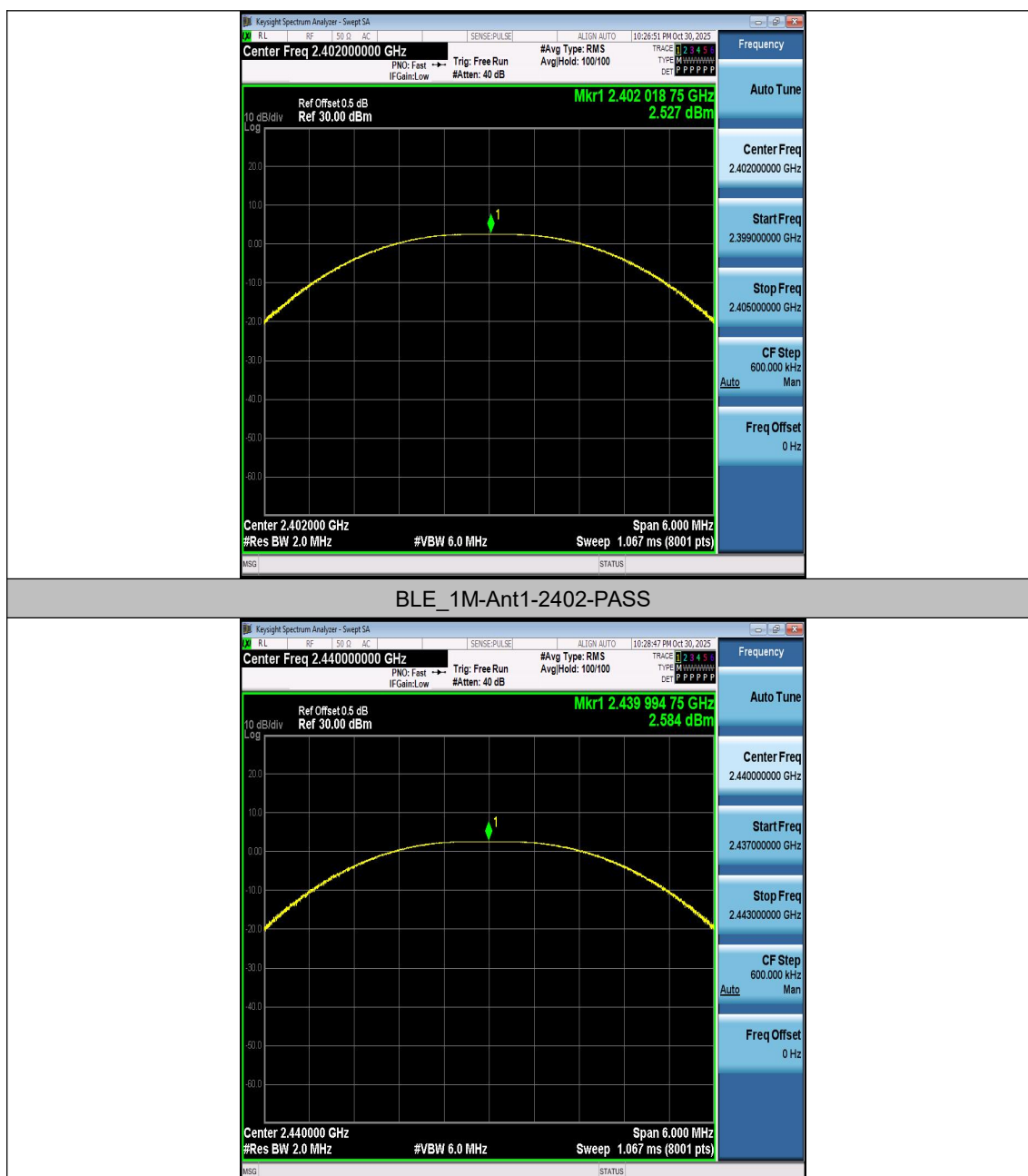
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.53	≤30	PASS
BLE_1M	Ant1	2440	2.58	≤30	PASS
BLE_1M	Ant1	2480	2.45	≤30	PASS

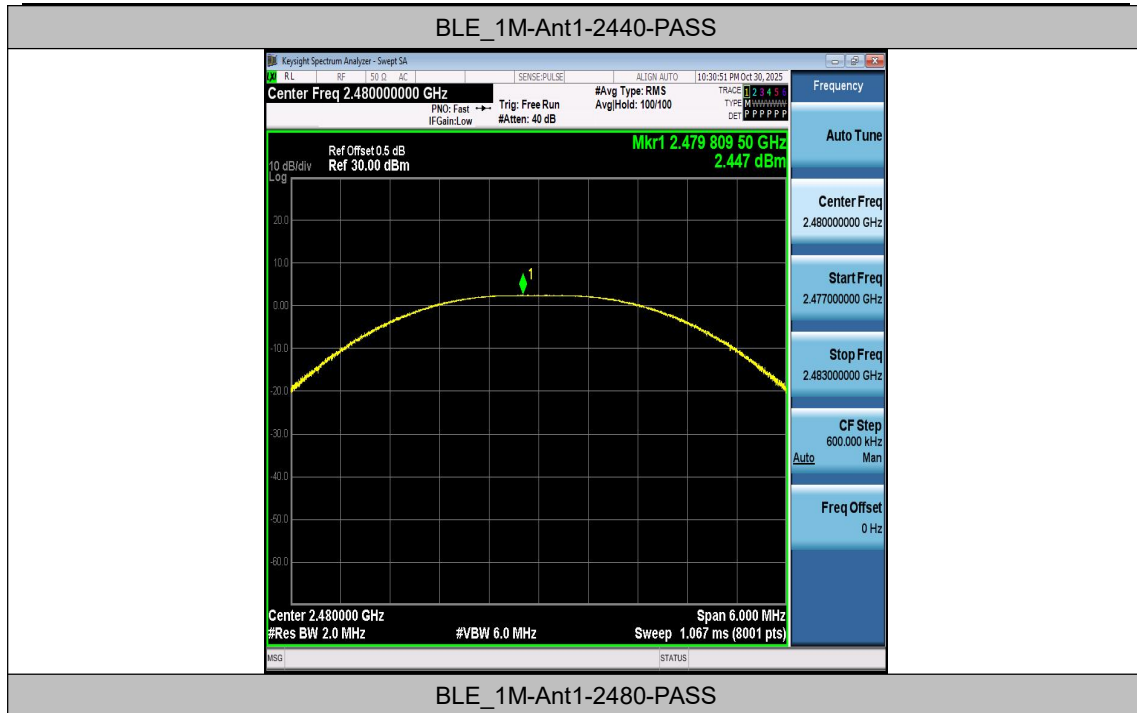
Test Graphs Peak



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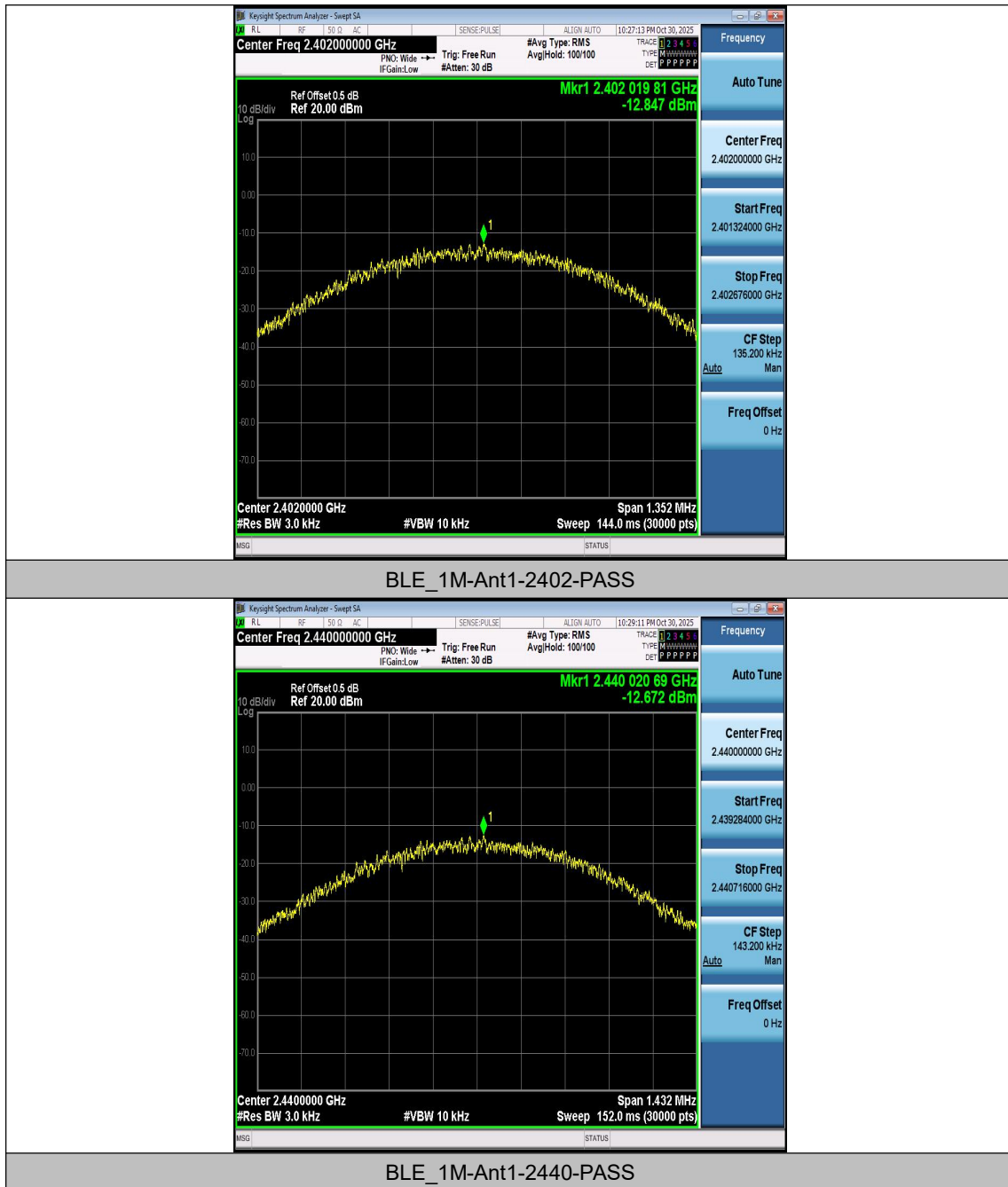
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.85	≤8.00	PASS
BLE_1M	Ant1	2440	-12.67	≤8.00	PASS
BLE_1M	Ant1	2480	-12.71	≤8.00	PASS

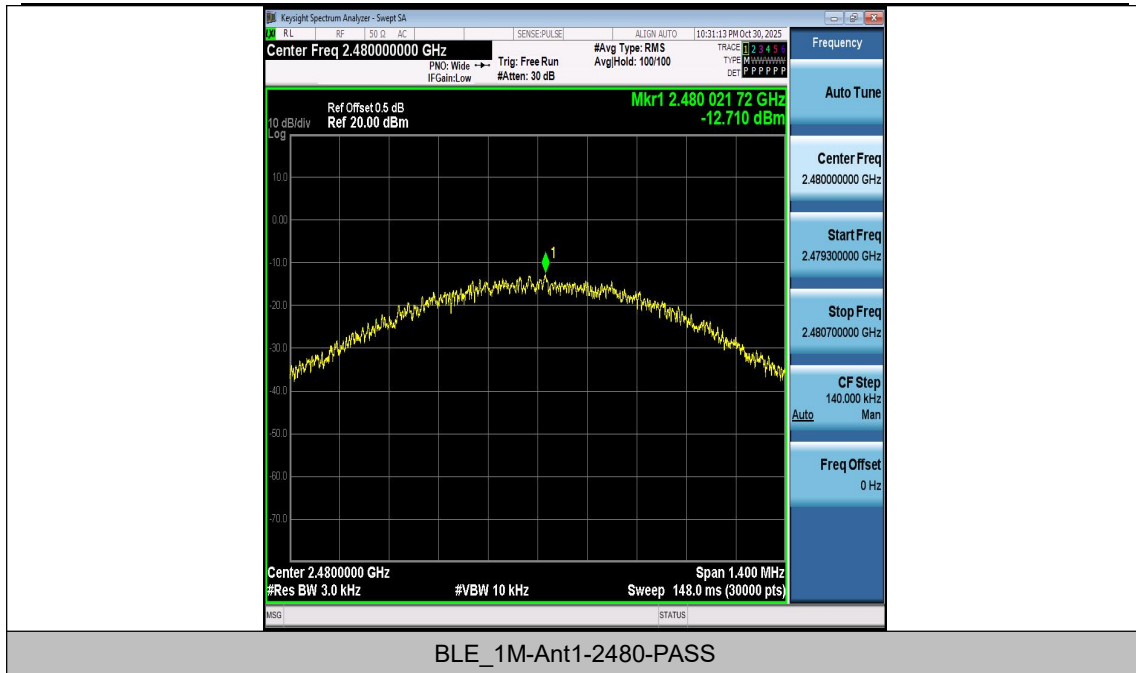
Test Graphs



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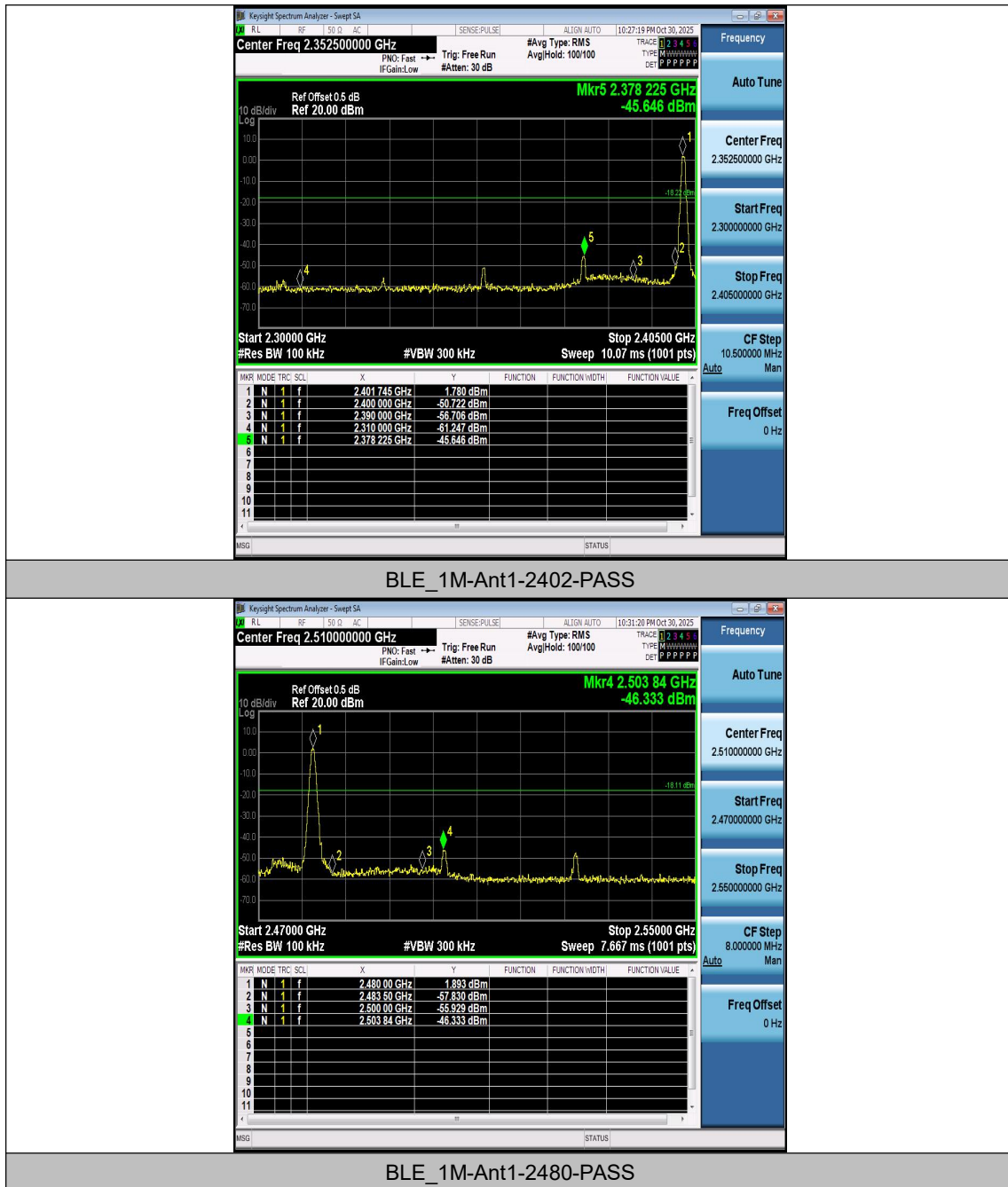
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.78	-45.65	≤-18.22	PASS
BLE_1M	Ant1	High	2480	1.89	-46.33	≤-18.11	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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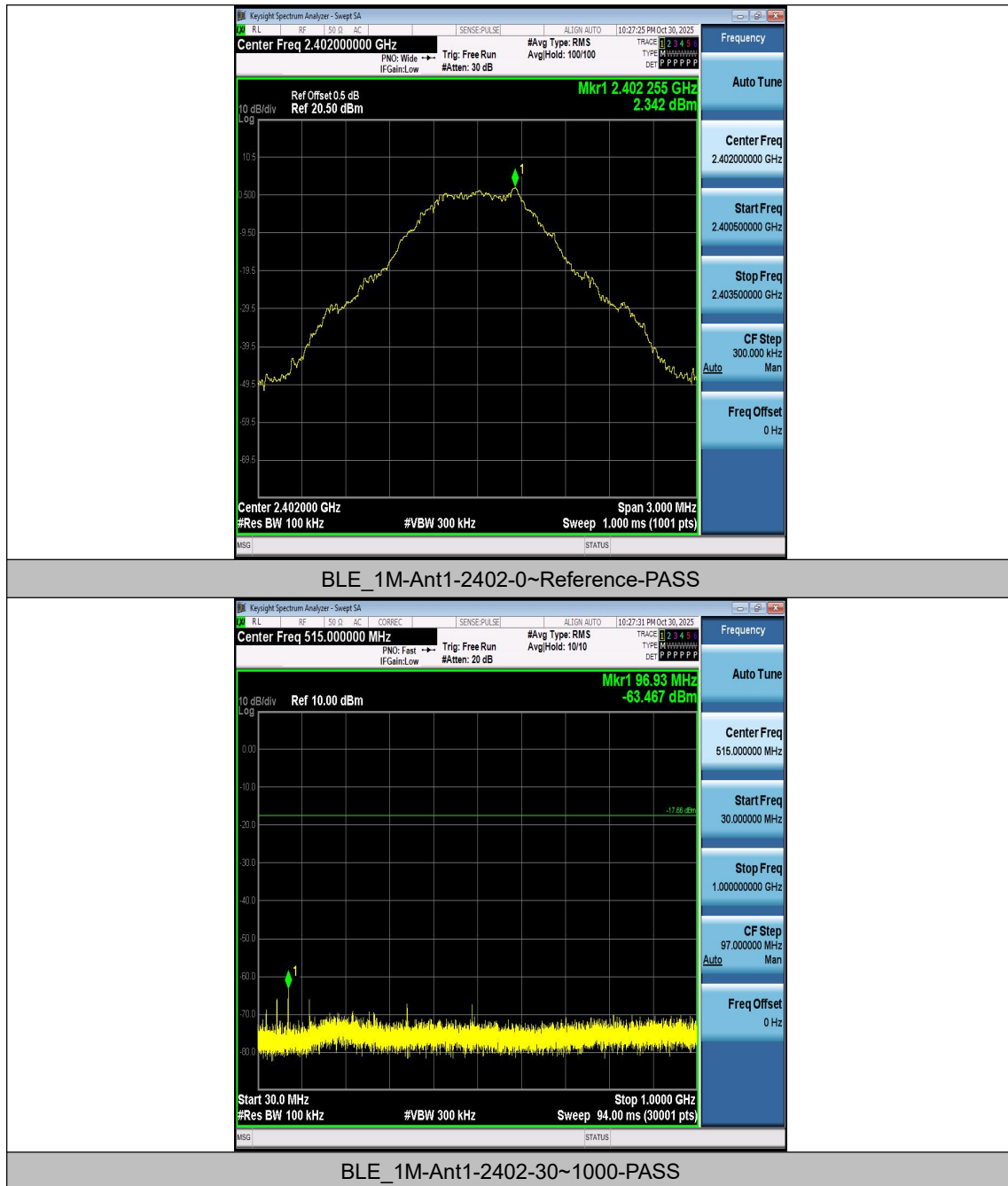
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.34	2.34	---	PASS
BLE_1M	Ant1	2402	30~1000	2.34	-63.47	≤-17.66	PASS
BLE_1M	Ant1	2402	1000~26500	2.34	-42.59	≤-17.66	PASS
BLE_1M	Ant1	2440	0~Reference	1.86	1.86	---	PASS
BLE_1M	Ant1	2440	30~1000	1.86	-65.18	≤-18.14	PASS
BLE_1M	Ant1	2440	1000~26500	1.86	-41.16	≤-18.14	PASS
BLE_1M	Ant1	2480	0~Reference	1.99	1.99	---	PASS
BLE_1M	Ant1	2480	30~1000	1.99	-63.2	≤-18.01	PASS
BLE_1M	Ant1	2480	1000~26500	1.99	-39.63	≤-18.01	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.

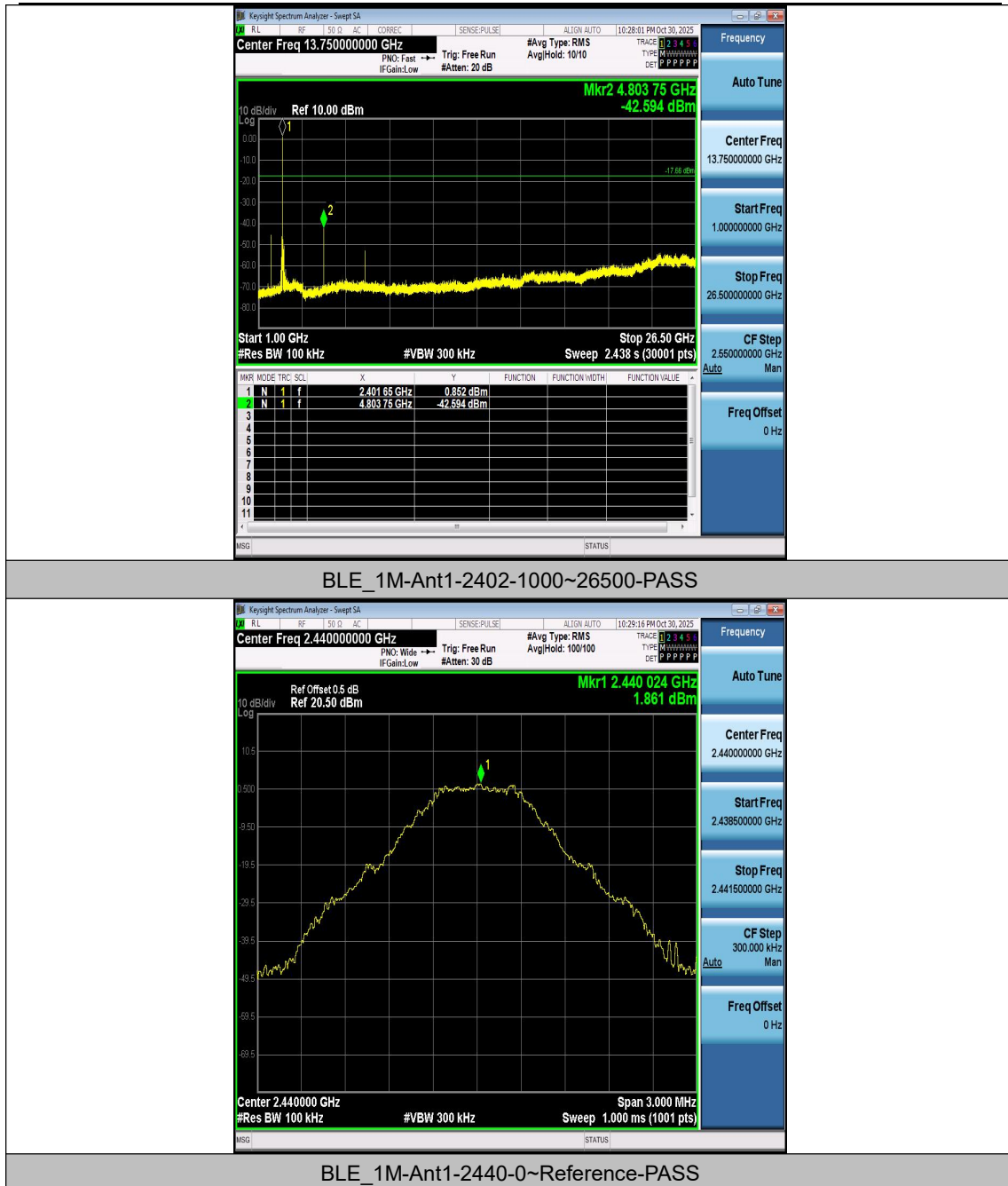
Test Graphs



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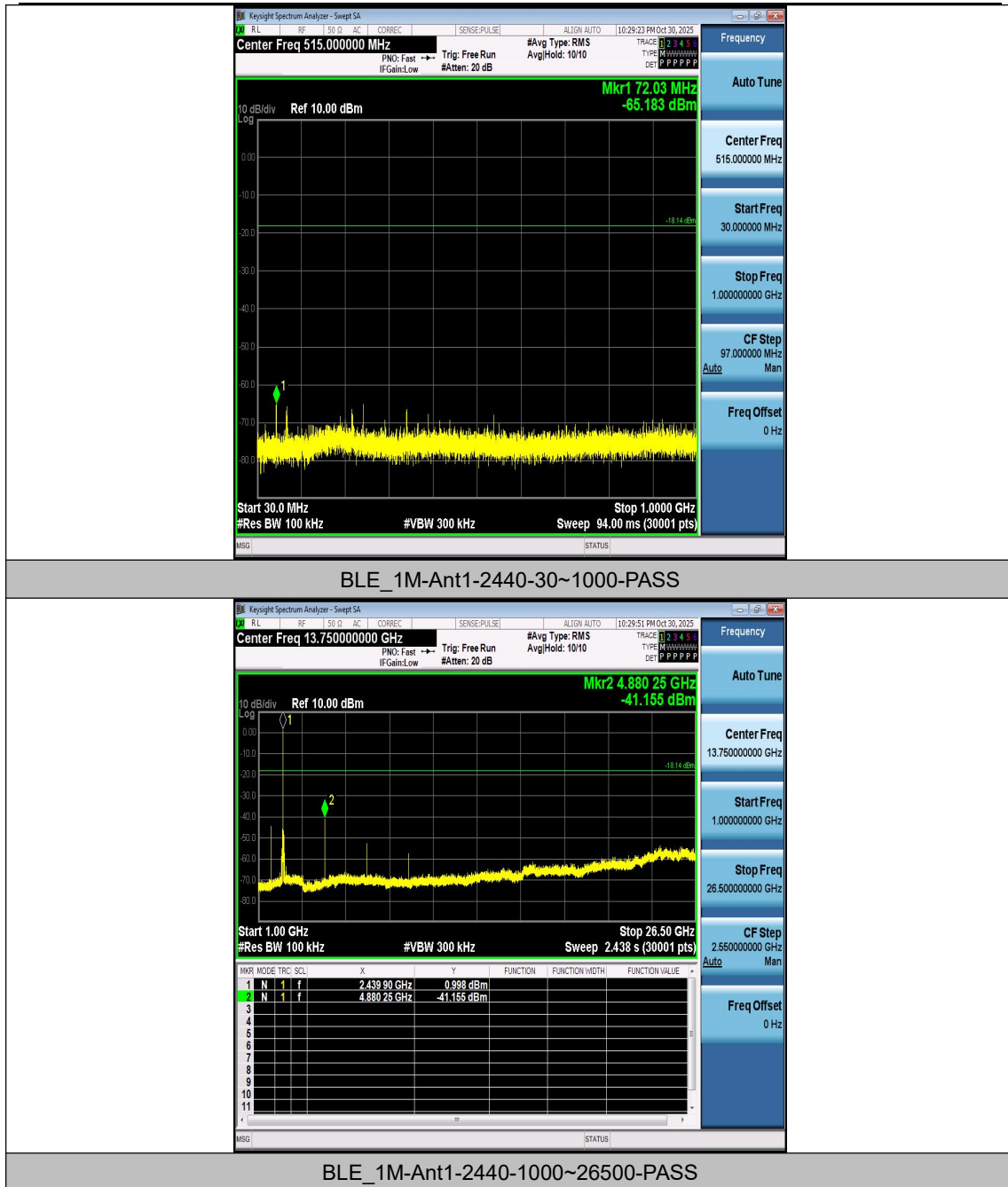
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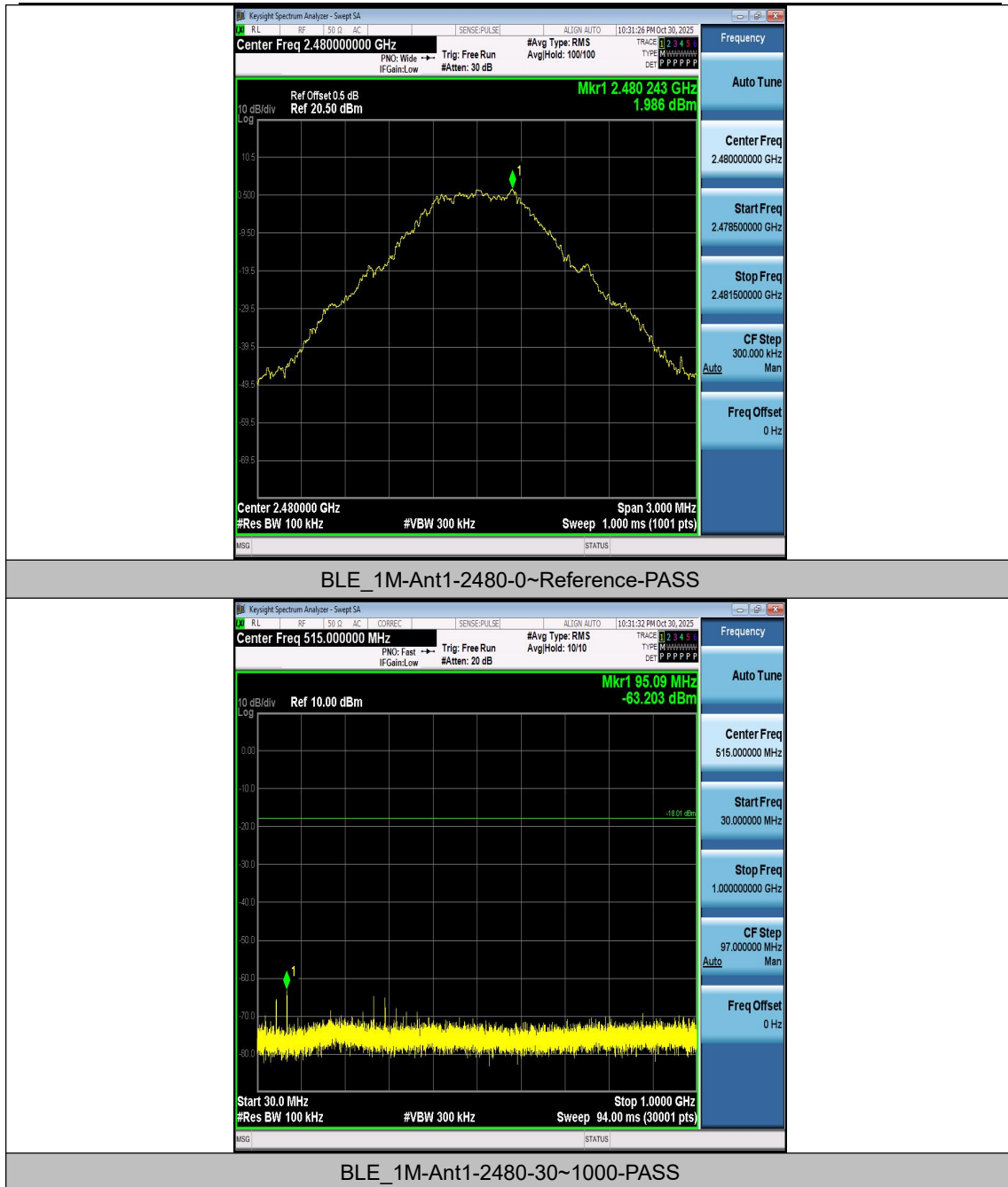
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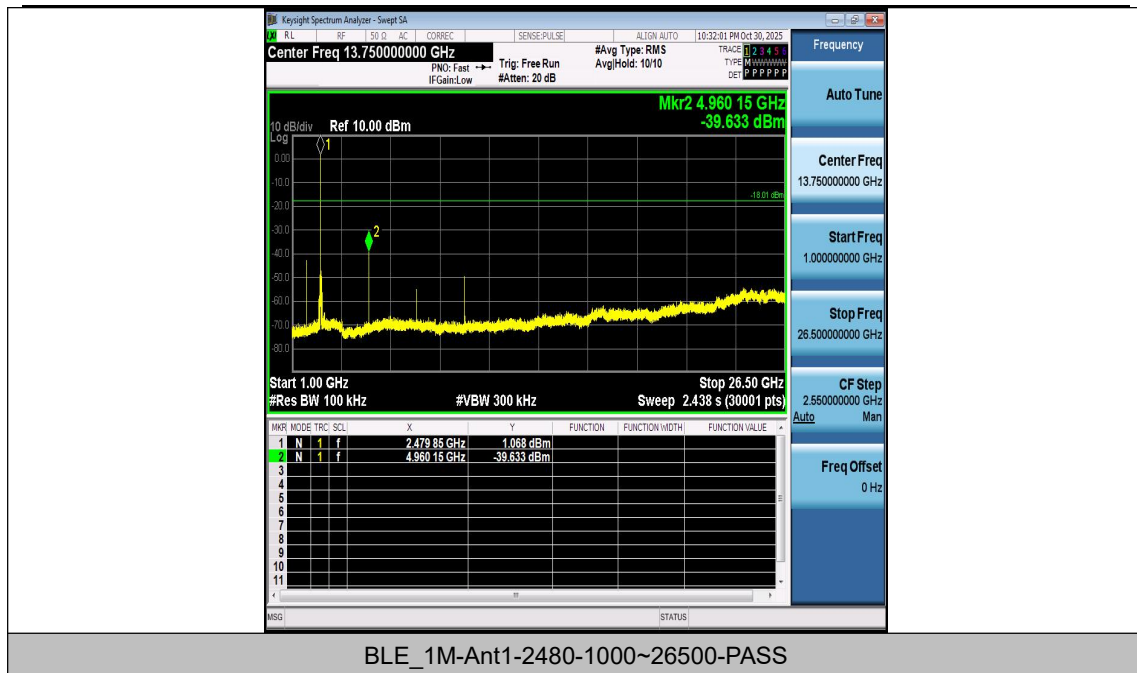
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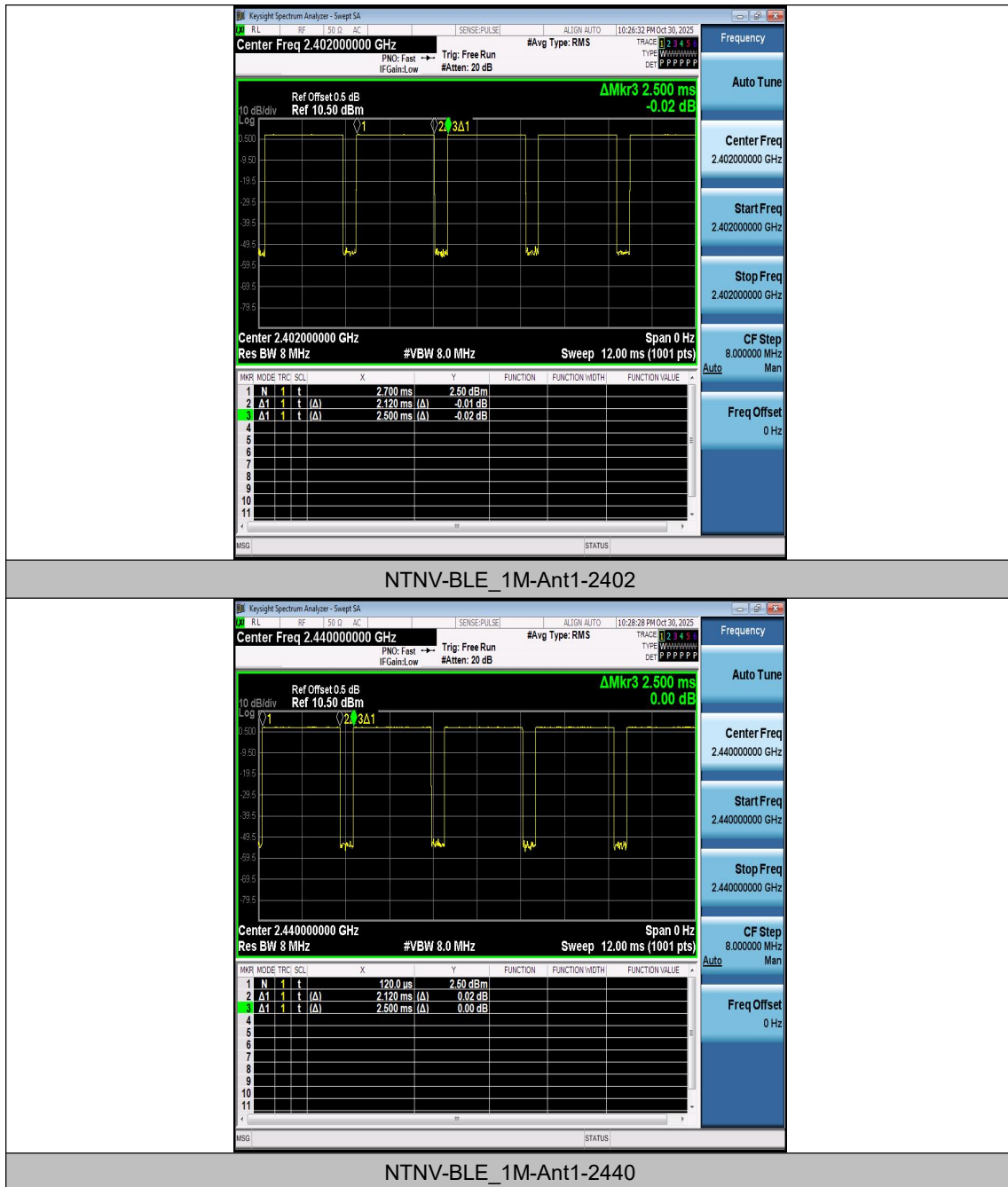
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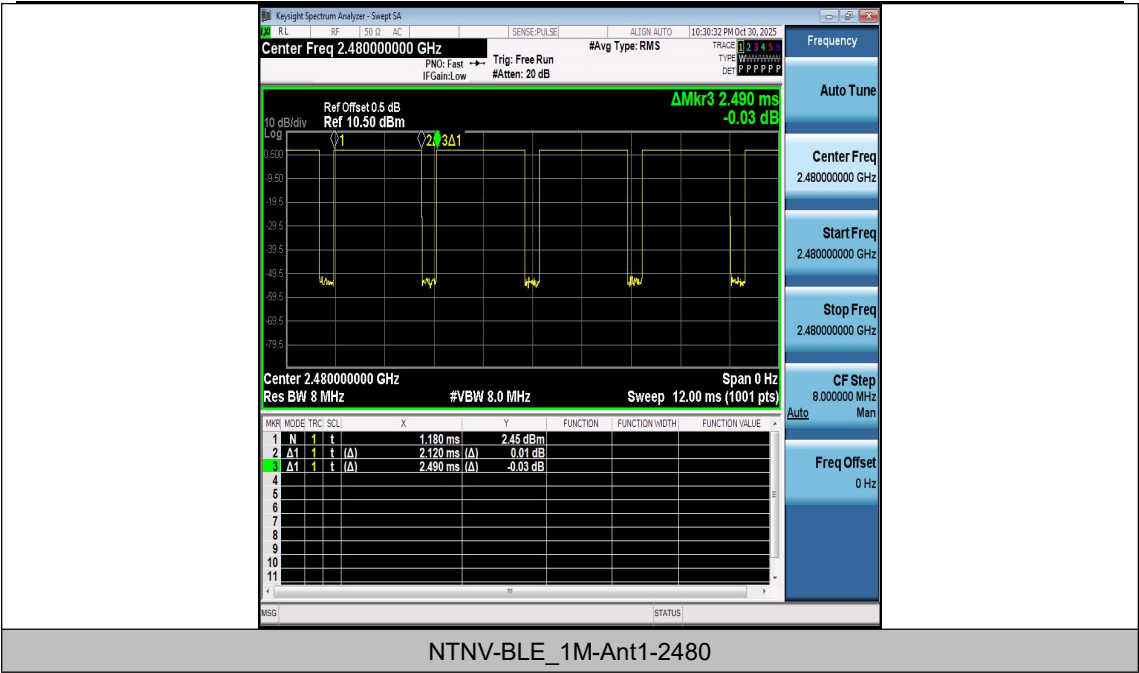
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2440	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70

Test Graphs





---End---