

Appendix Test Data

Report No.:	1812C50542512501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-21	Finish Test Date:	2025-10-21
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22°C	Relative Humidity:	53%
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	2401.652	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.672	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.684	2480.340	0.5	PASS

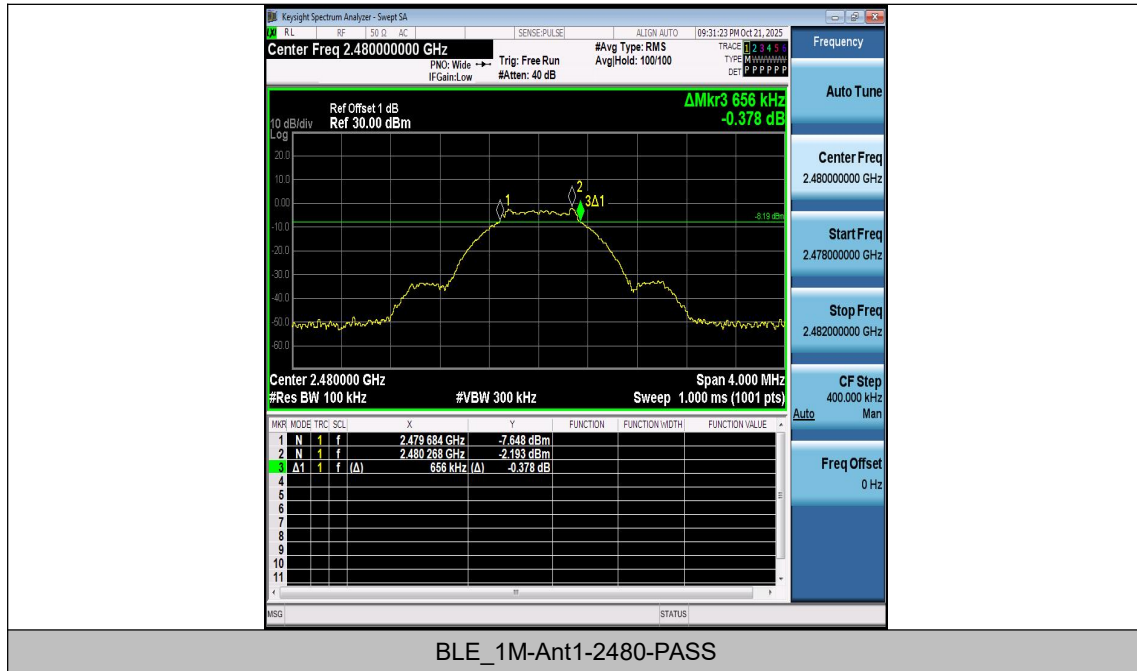
Test Graphs



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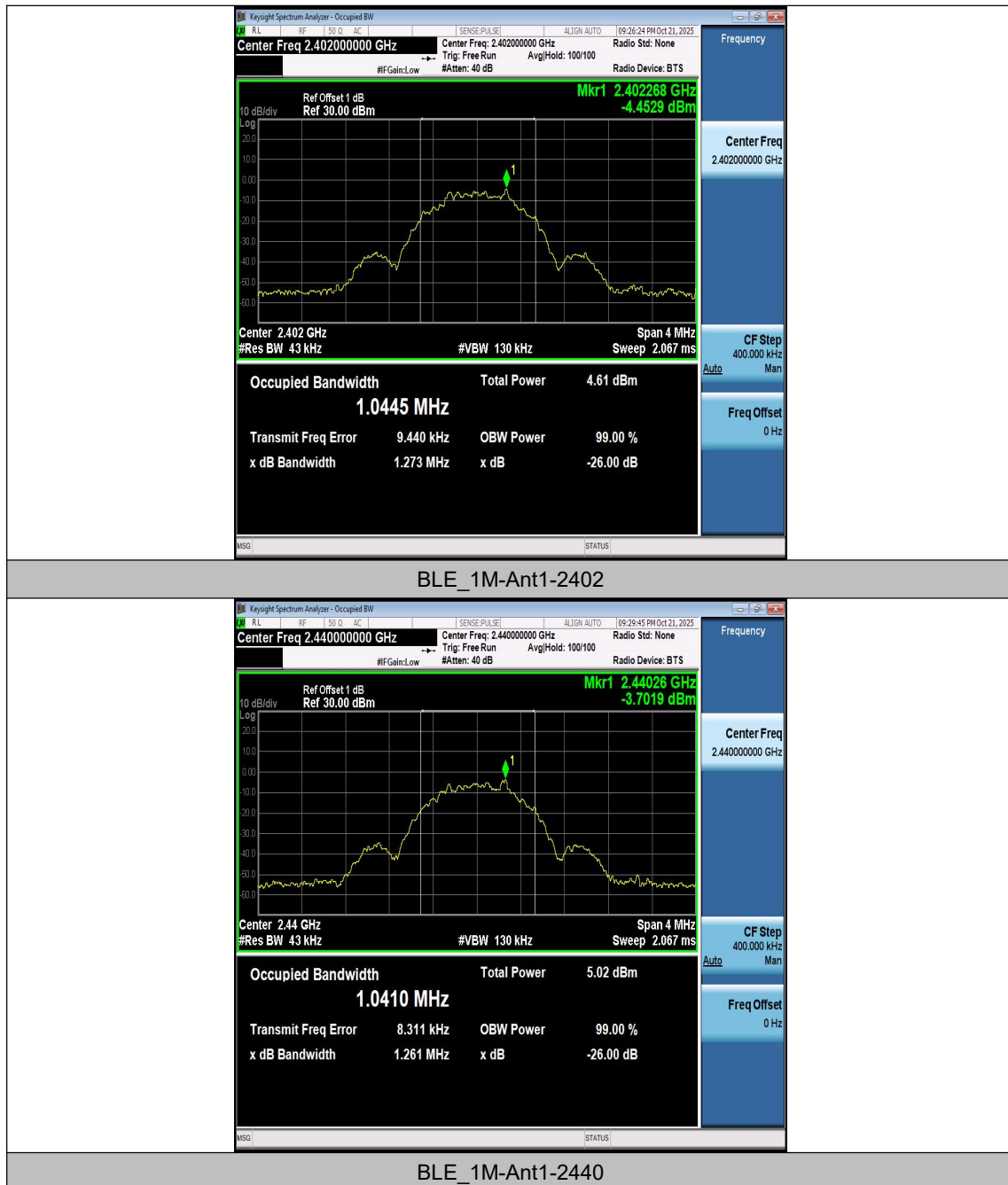
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0445	2401.4872	2402.5317	---	---
BLE_1M	Ant1	2440	1.0410	2439.4878	2440.5288	---	---
BLE_1M	Ant1	2480	1.0346	2479.4878	2480.5224	---	---

Test Graphs



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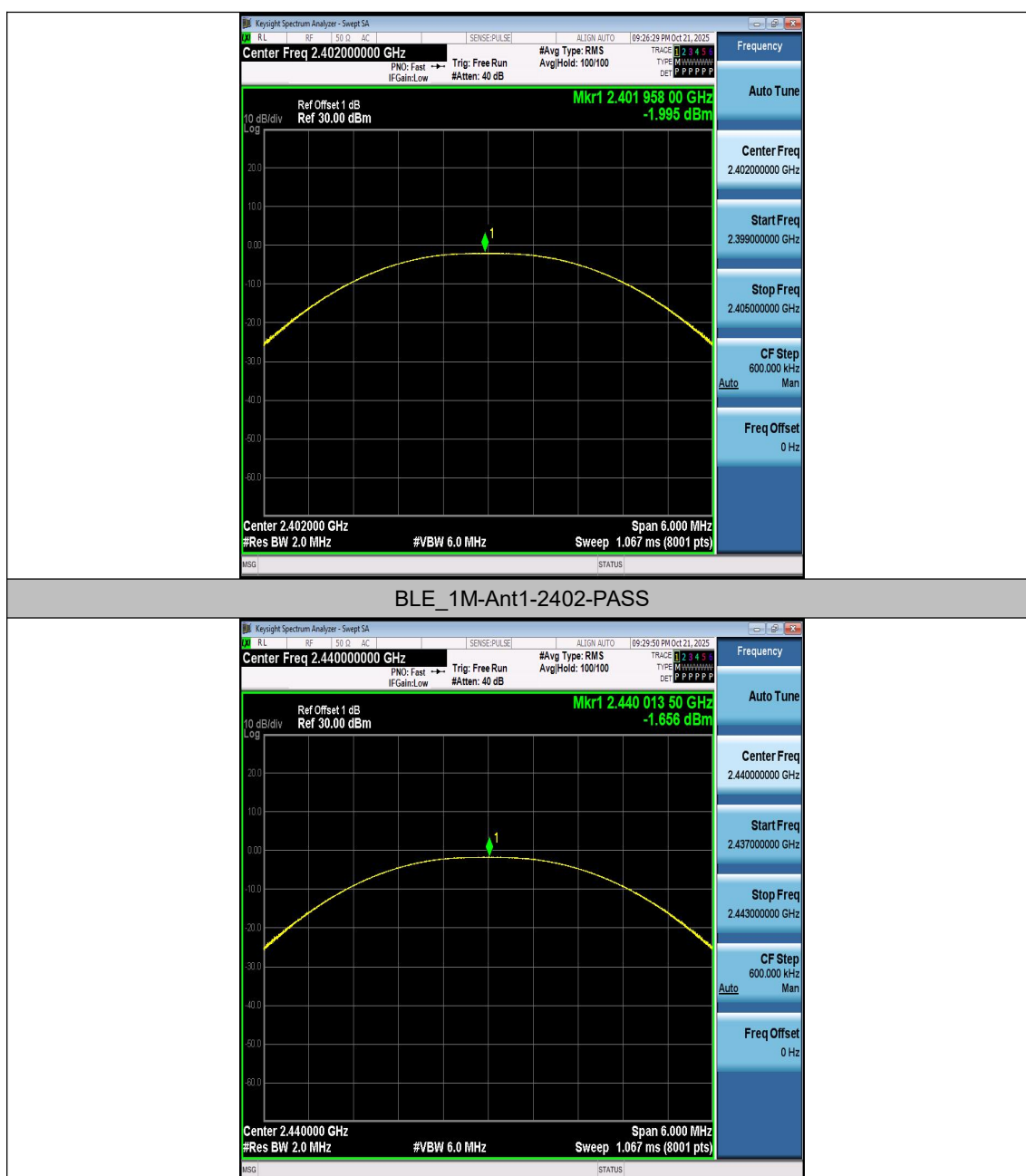
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.00	≤30	PASS
BLE_1M	Ant1	2440	-1.66	≤30	PASS
BLE_1M	Ant1	2480	-1.54	≤30	PASS

Test Graphs Peak



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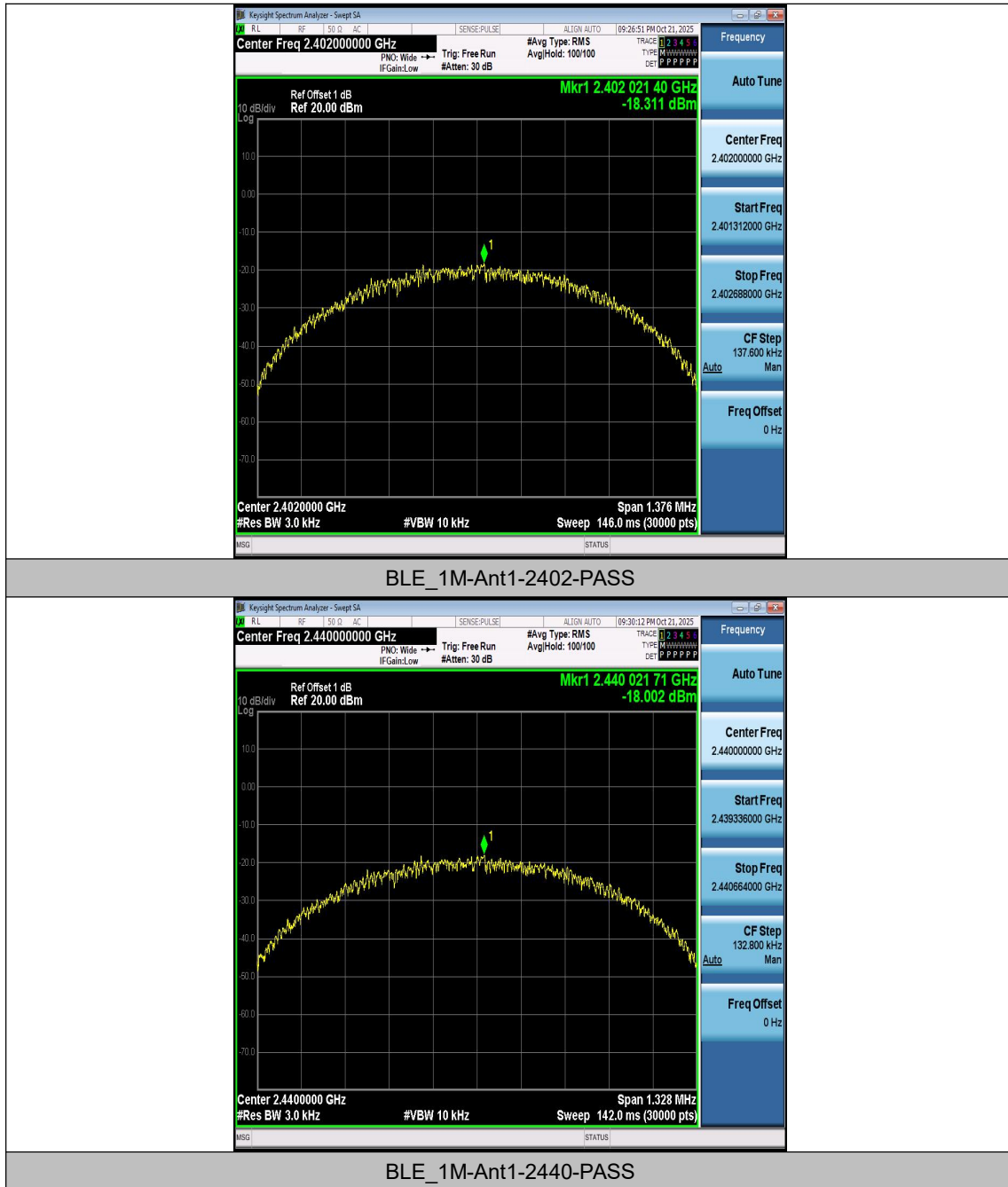
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.31	≤8.00	PASS
BLE_1M	Ant1	2440	-18.00	≤8.00	PASS
BLE_1M	Ant1	2480	-17.80	≤8.00	PASS

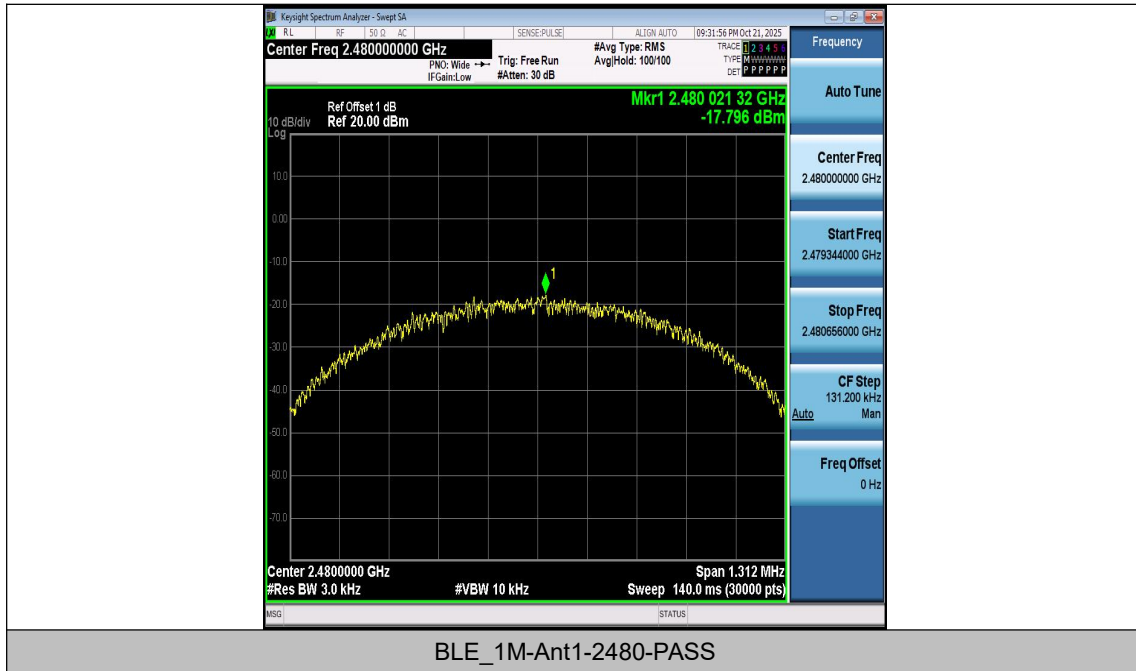
Test Graphs



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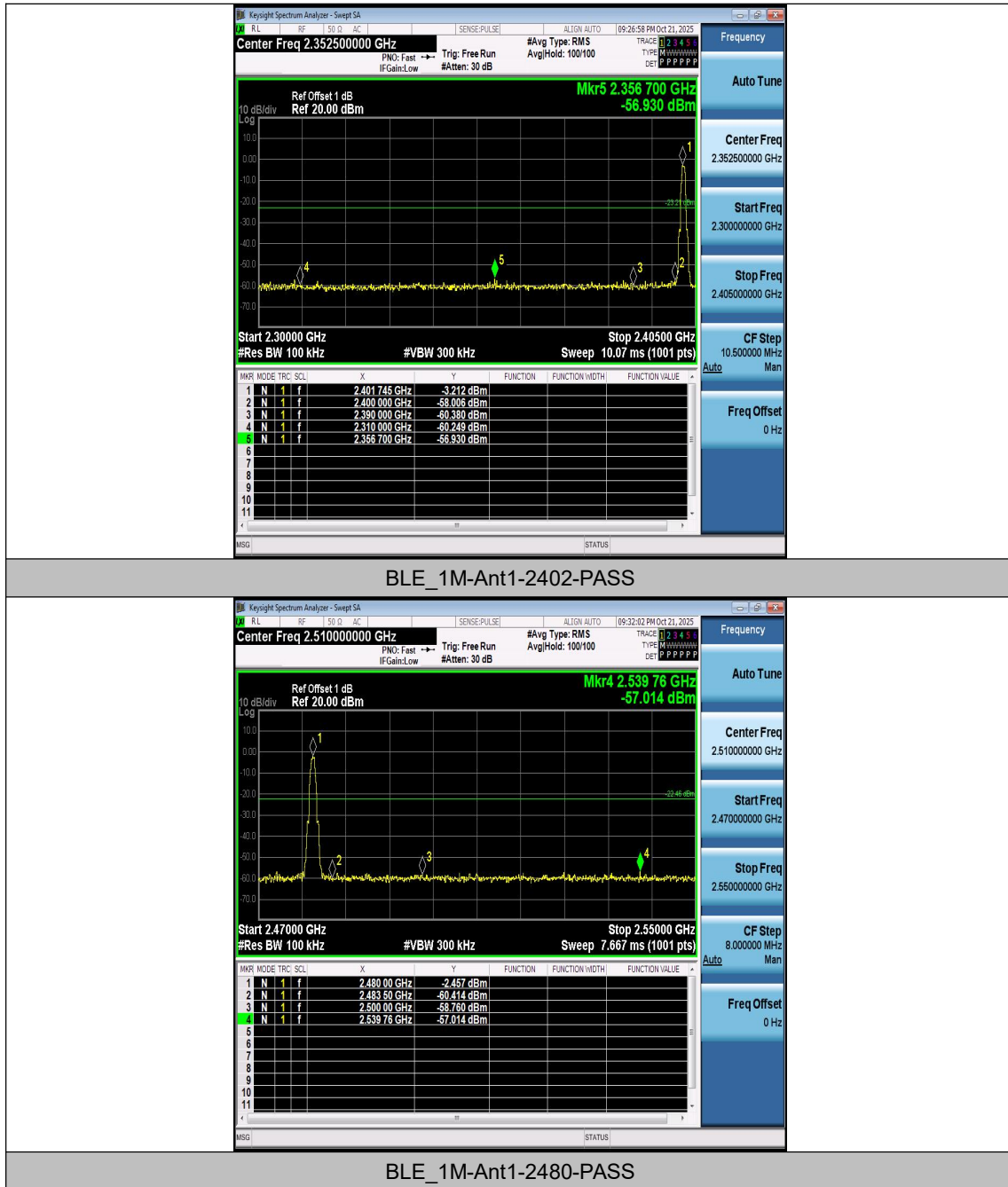
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.21	-56.93	≤-23.21	PASS
BLE_1M	Ant1	High	2480	-2.46	-57.01	≤-22.46	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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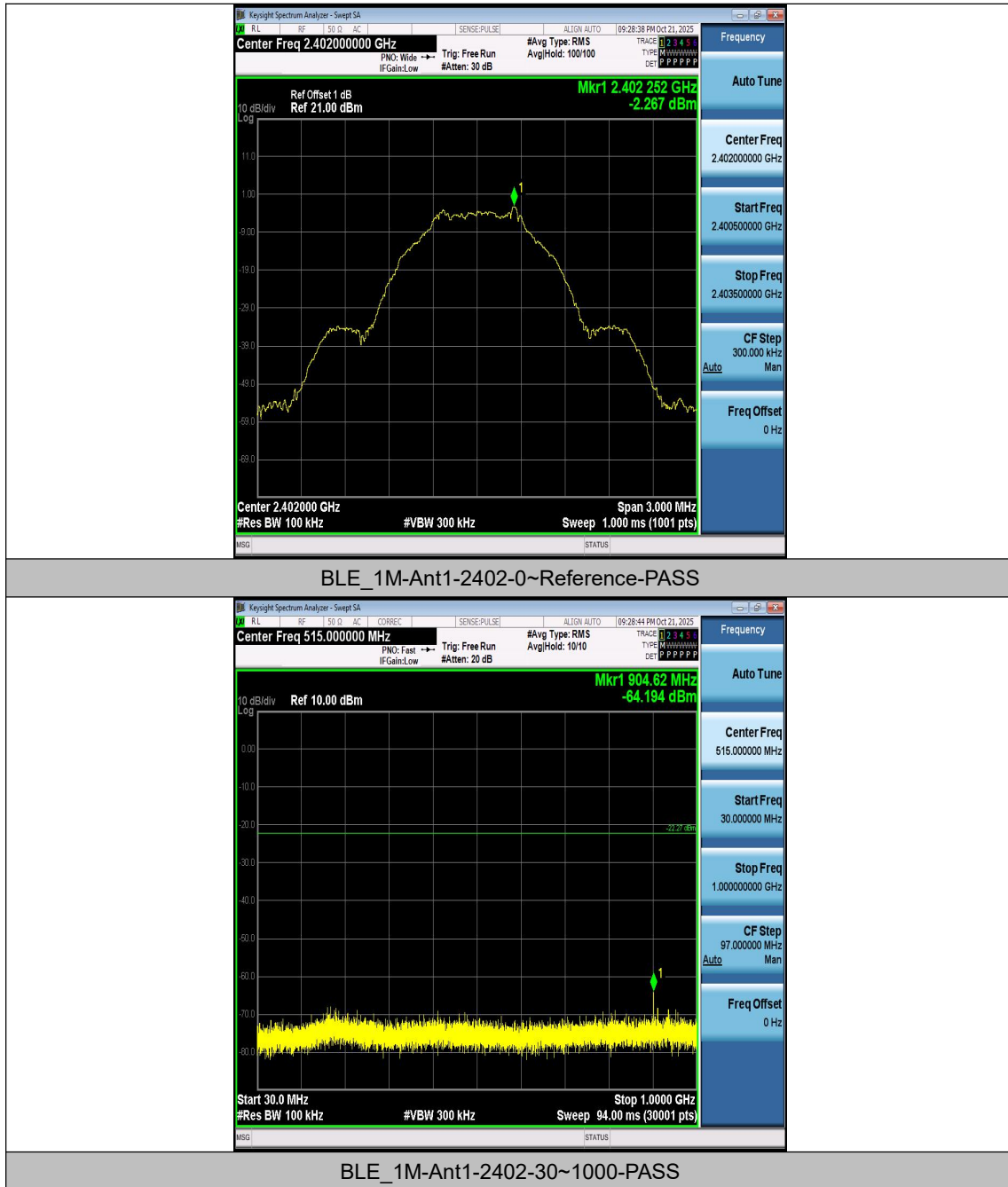
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.27	-2.27	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.27	-64.19	≤-22.27	PASS
BLE_1M	Ant1	2402	1000~26500	-2.27	-53.84	≤-22.27	PASS
BLE_1M	Ant1	2440	0~Reference	-2.85	-2.85	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.85	-51.56	≤-22.85	PASS
BLE_1M	Ant1	2440	1000~26500	-2.85	-53.77	≤-22.85	PASS
BLE_1M	Ant1	2480	0~Reference	-2.22	-2.22	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.22	-59.2	≤-22.22	PASS
BLE_1M	Ant1	2480	1000~26500	-2.22	-54.01	≤-22.22	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.

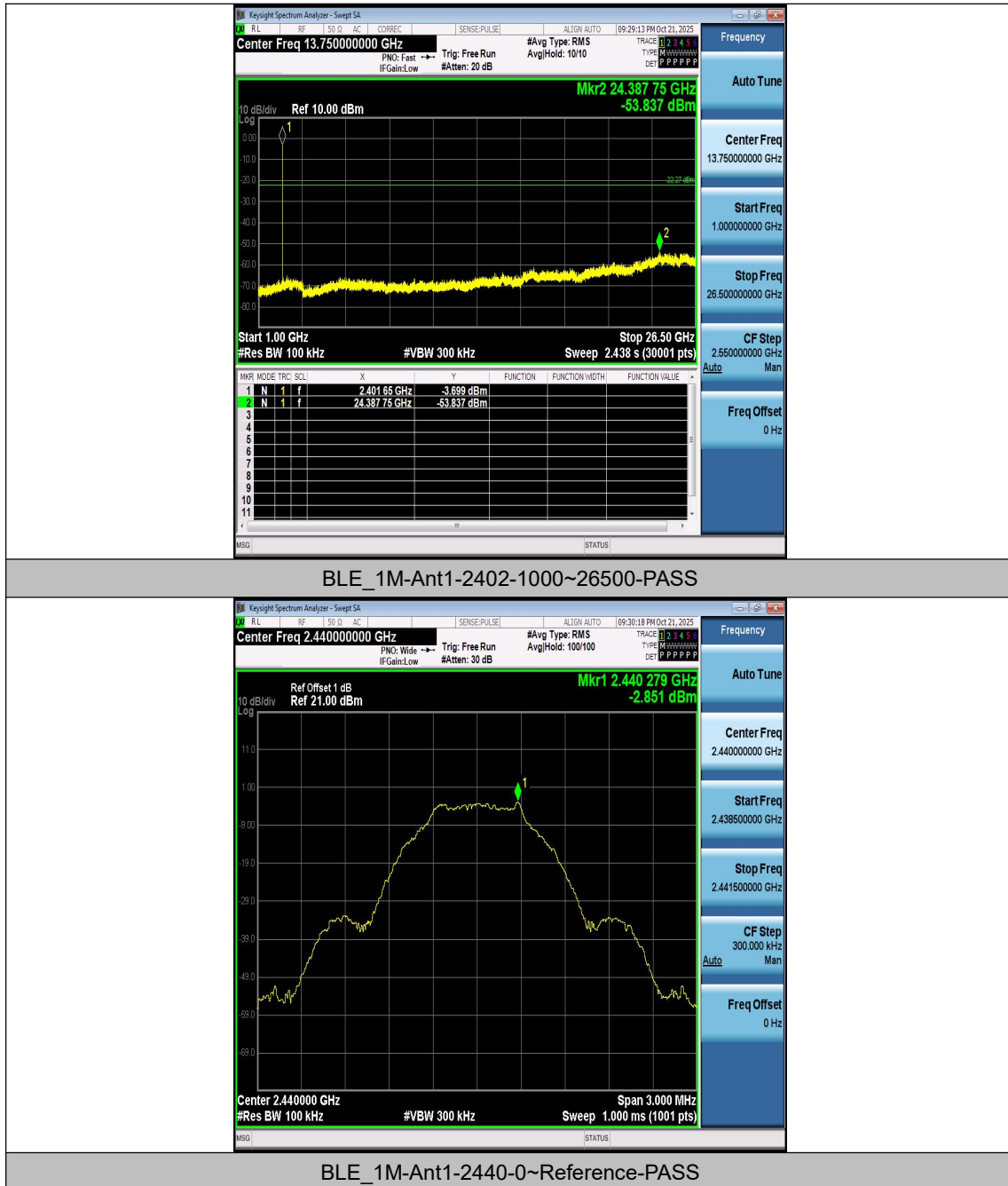
Test Graphs



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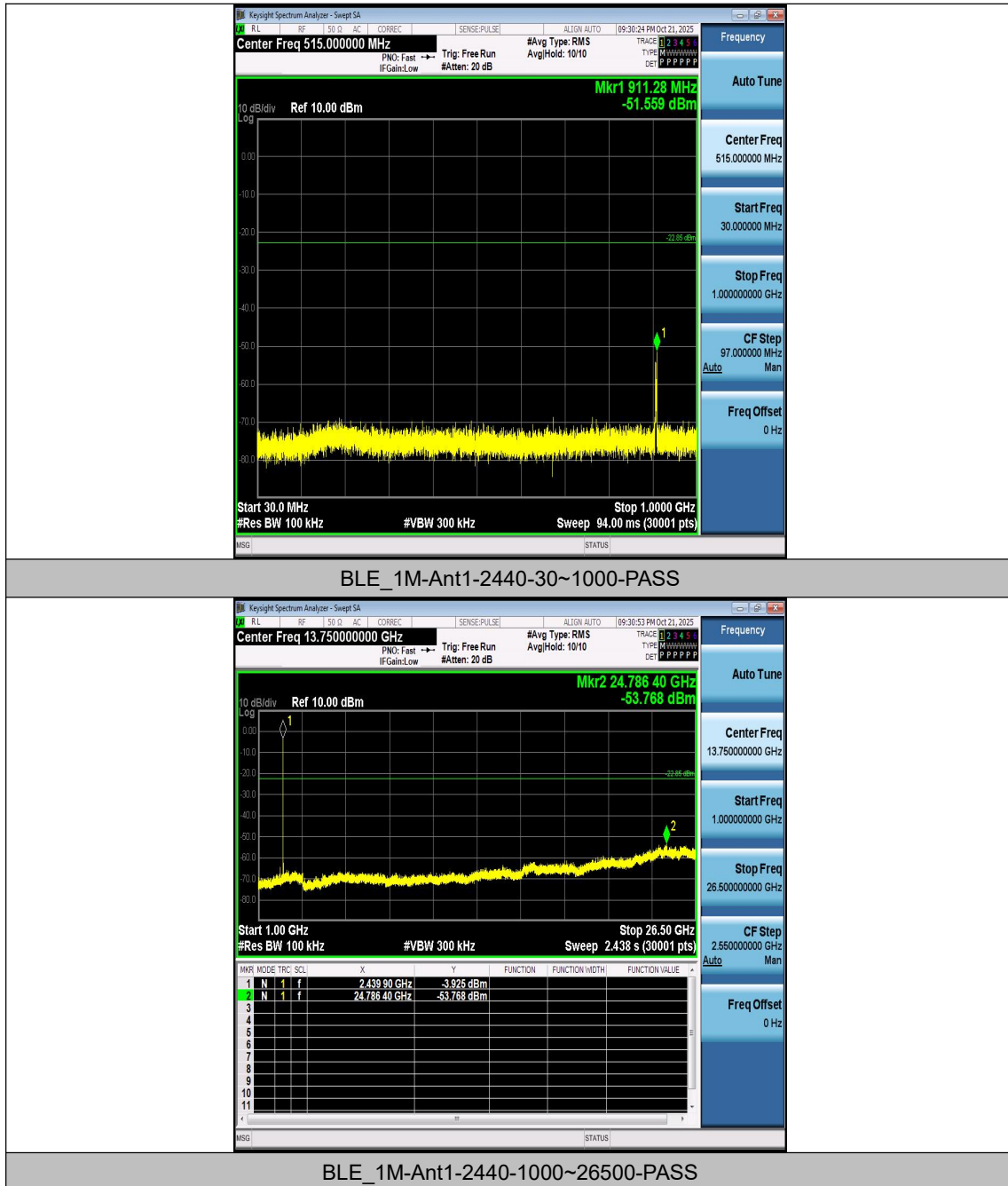
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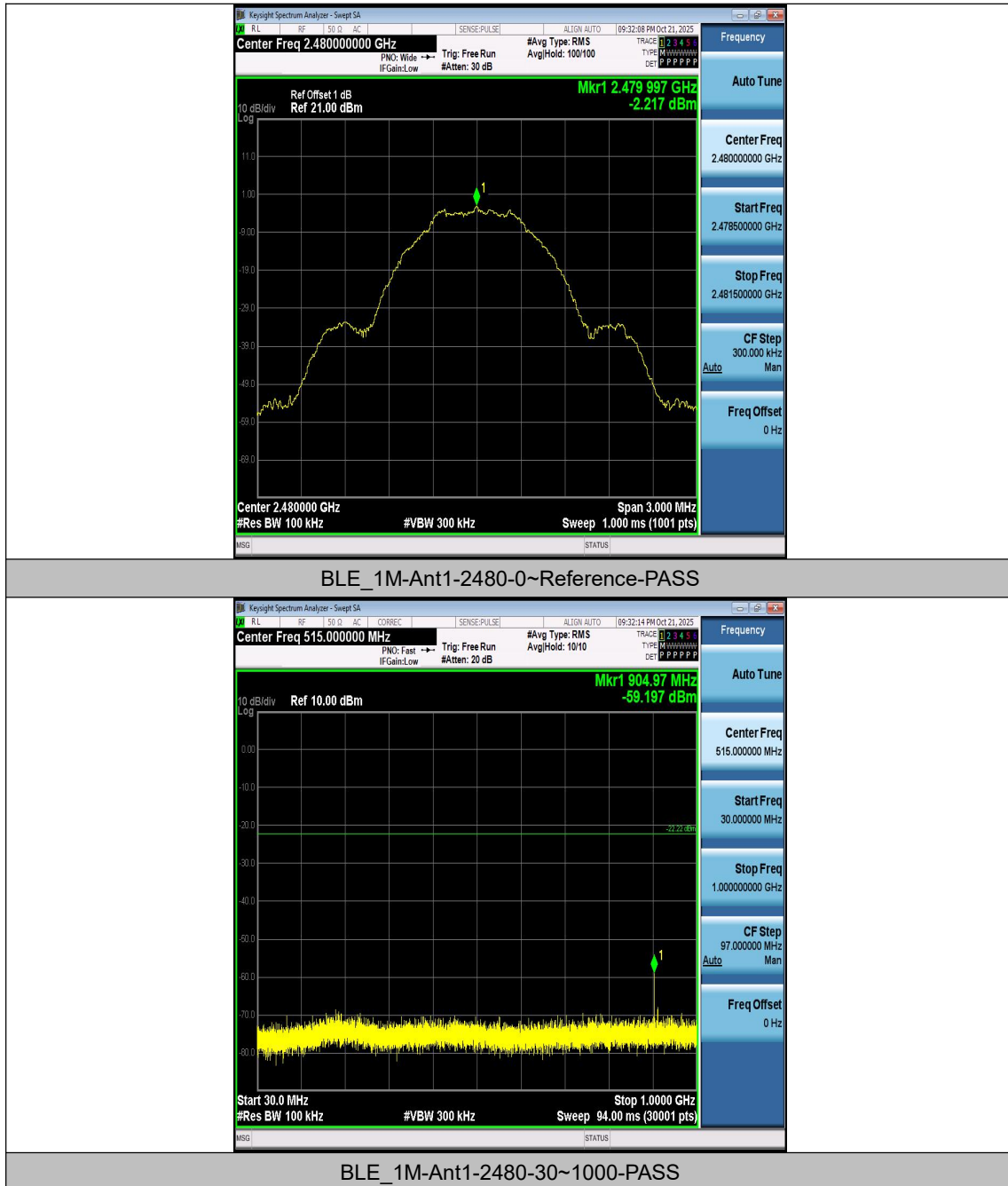
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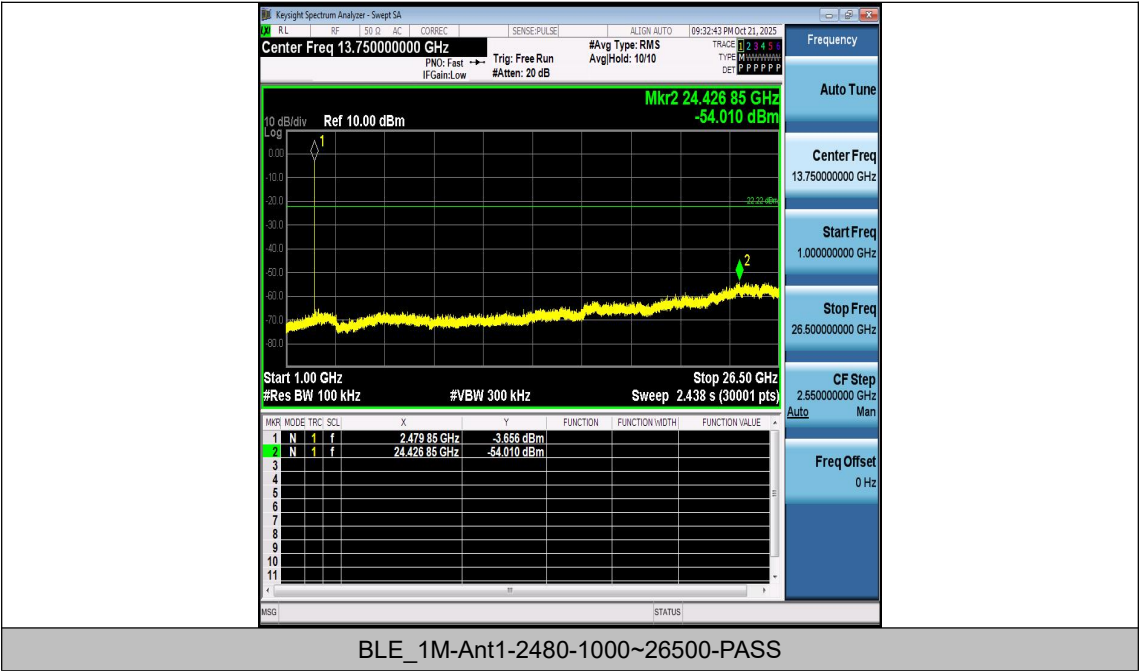
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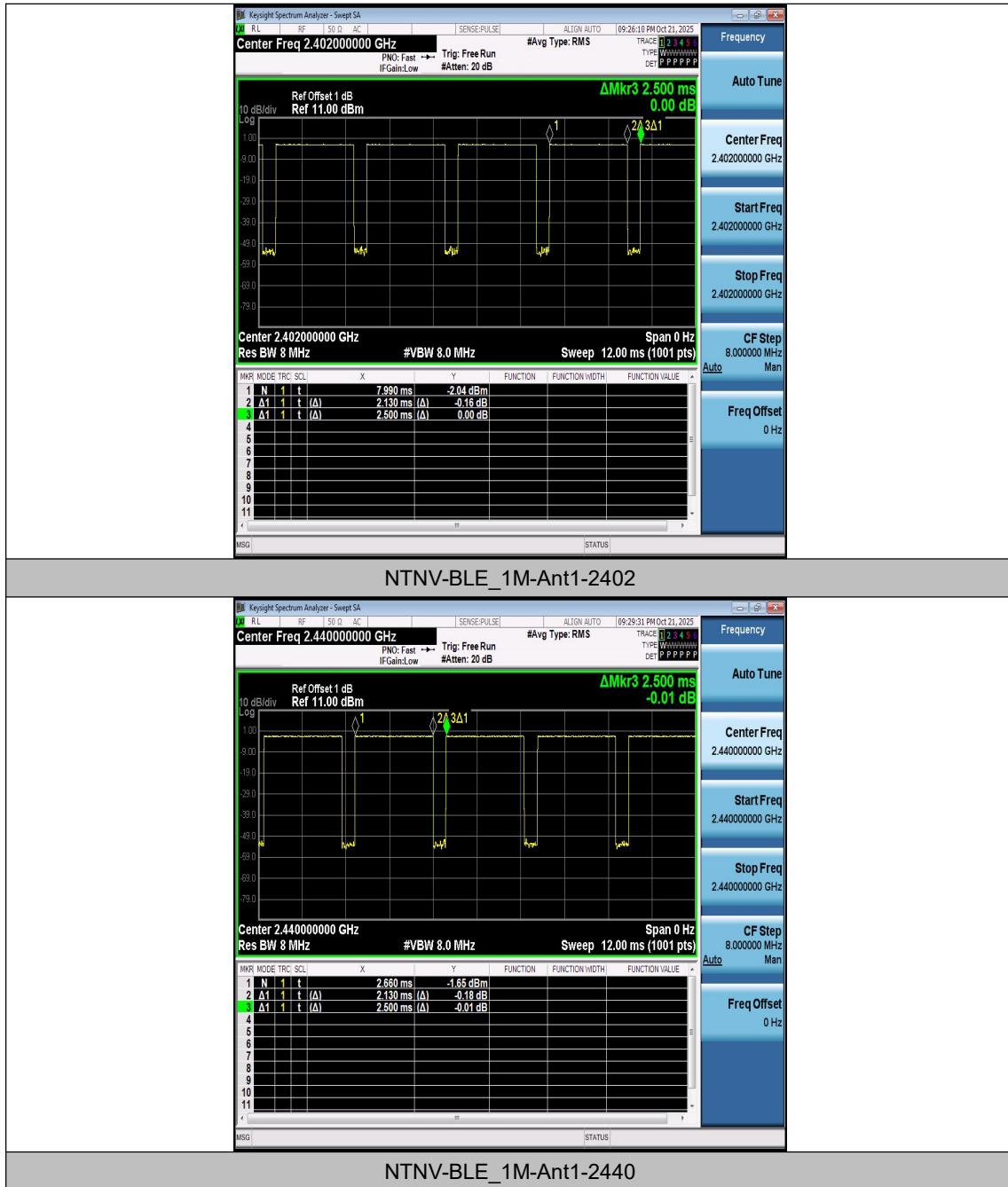
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70

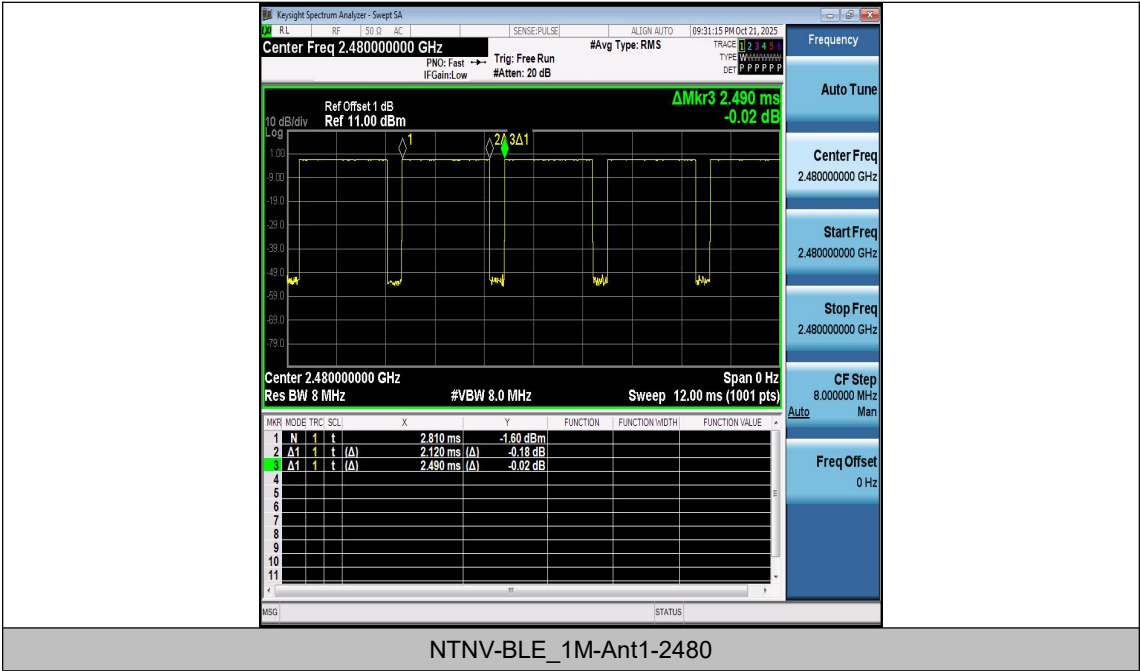
Test Graphs



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