

Appendix Test Data

Report No.:	1811C50345712501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-09-19	Finish Test Date:	2025-09-19
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	49%
Pressure:	101kPa		

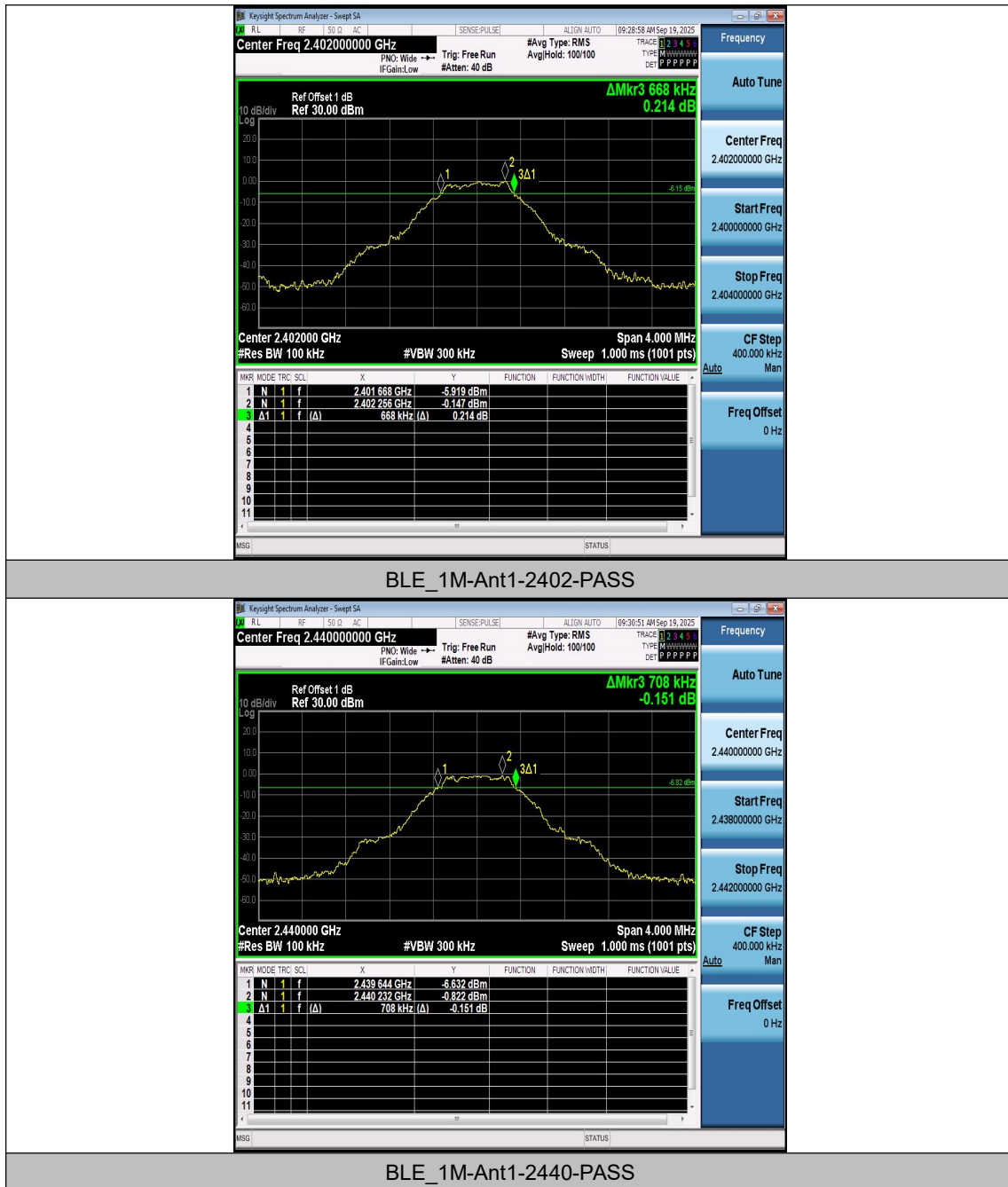


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.668	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.708	2439.644	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.692	2479.644	2480.336	0.5	PASS

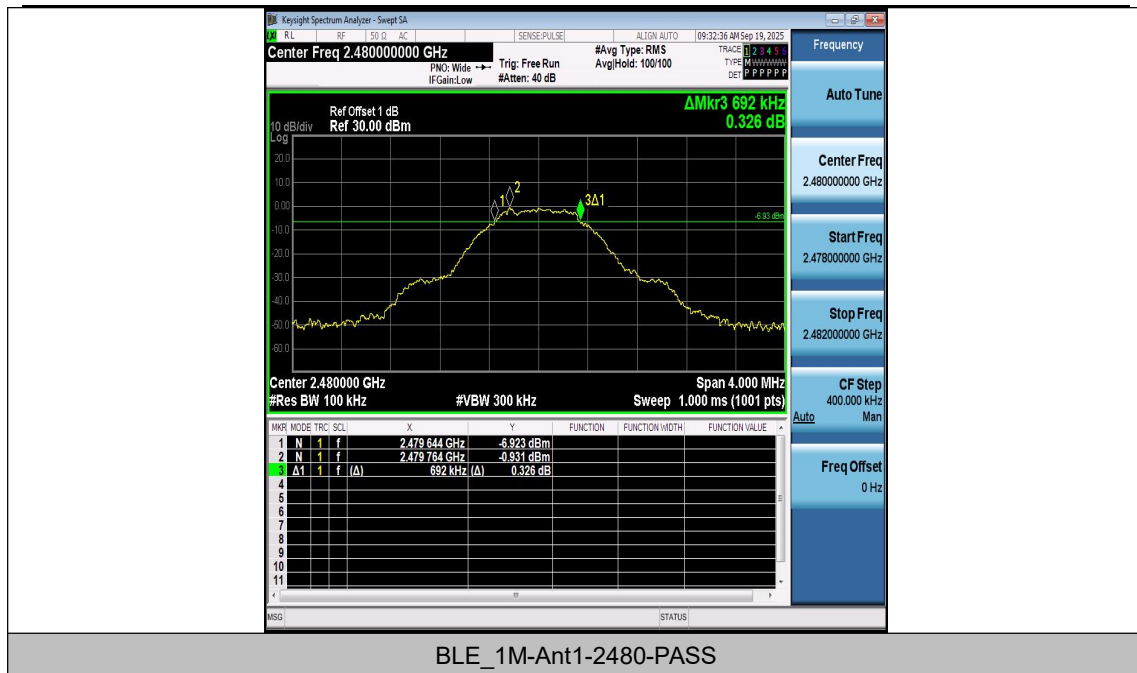
Test Graphs



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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	1.0546	2401.4784	2402.5330	---	---
BLE_1M	Ant1	2440	1.0504	2439.4716	2440.5220	---	---
BLE_1M	Ant1	2480	1.0514	2479.4743	2480.5257	---	---

Test Graphs



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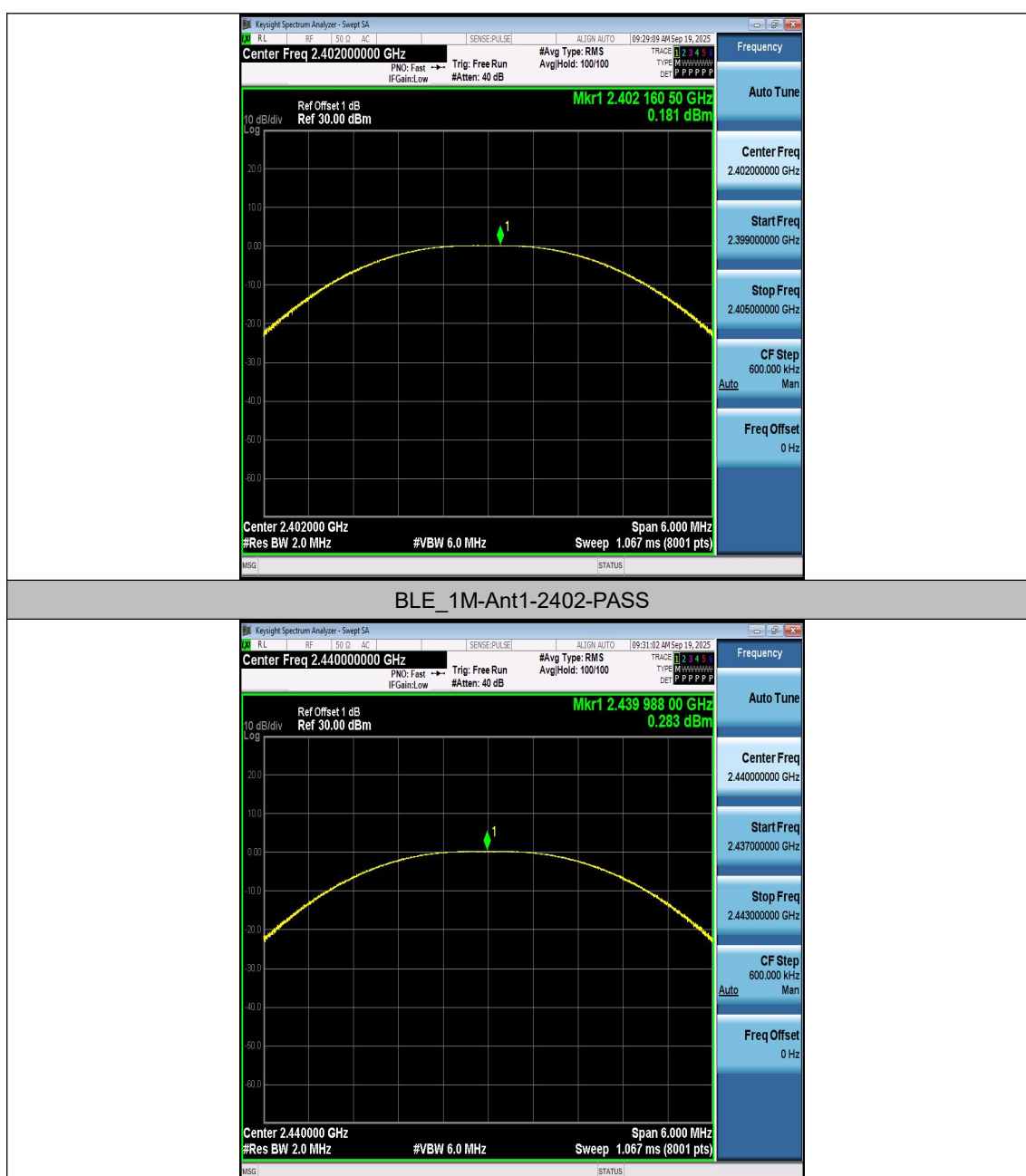
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.18	≤30	PASS
BLE_1M	Ant1	2440	0.28	≤30	PASS
BLE_1M	Ant1	2480	0.24	≤30	PASS

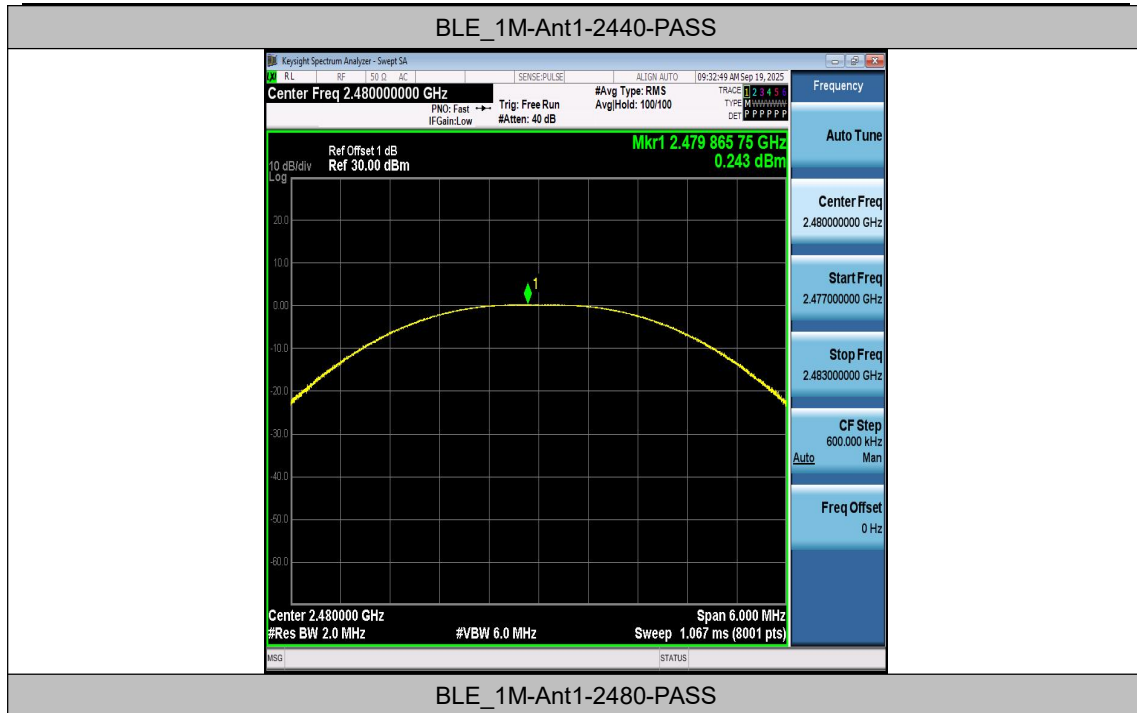
Test Graphs Peak



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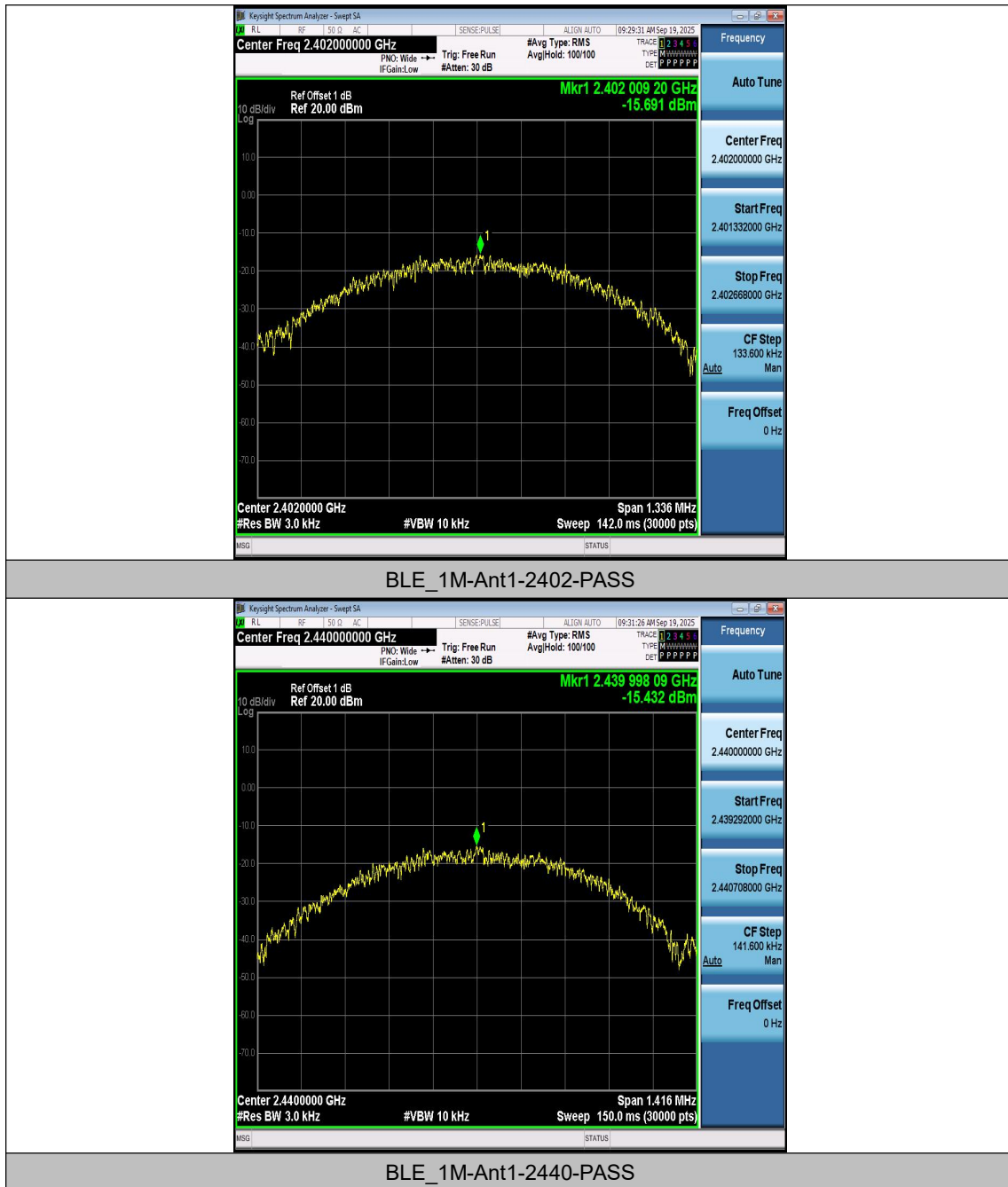
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.69	≤8.00	PASS
BLE_1M	Ant1	2440	-15.43	≤8.00	PASS
BLE_1M	Ant1	2480	-15.87	≤8.00	PASS

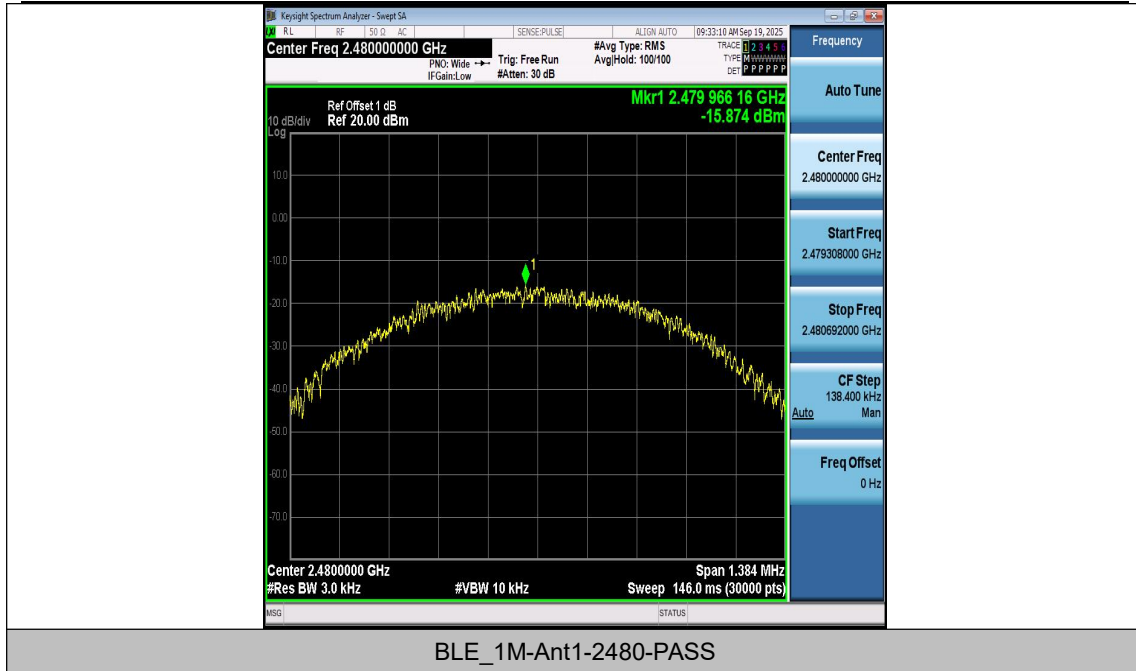
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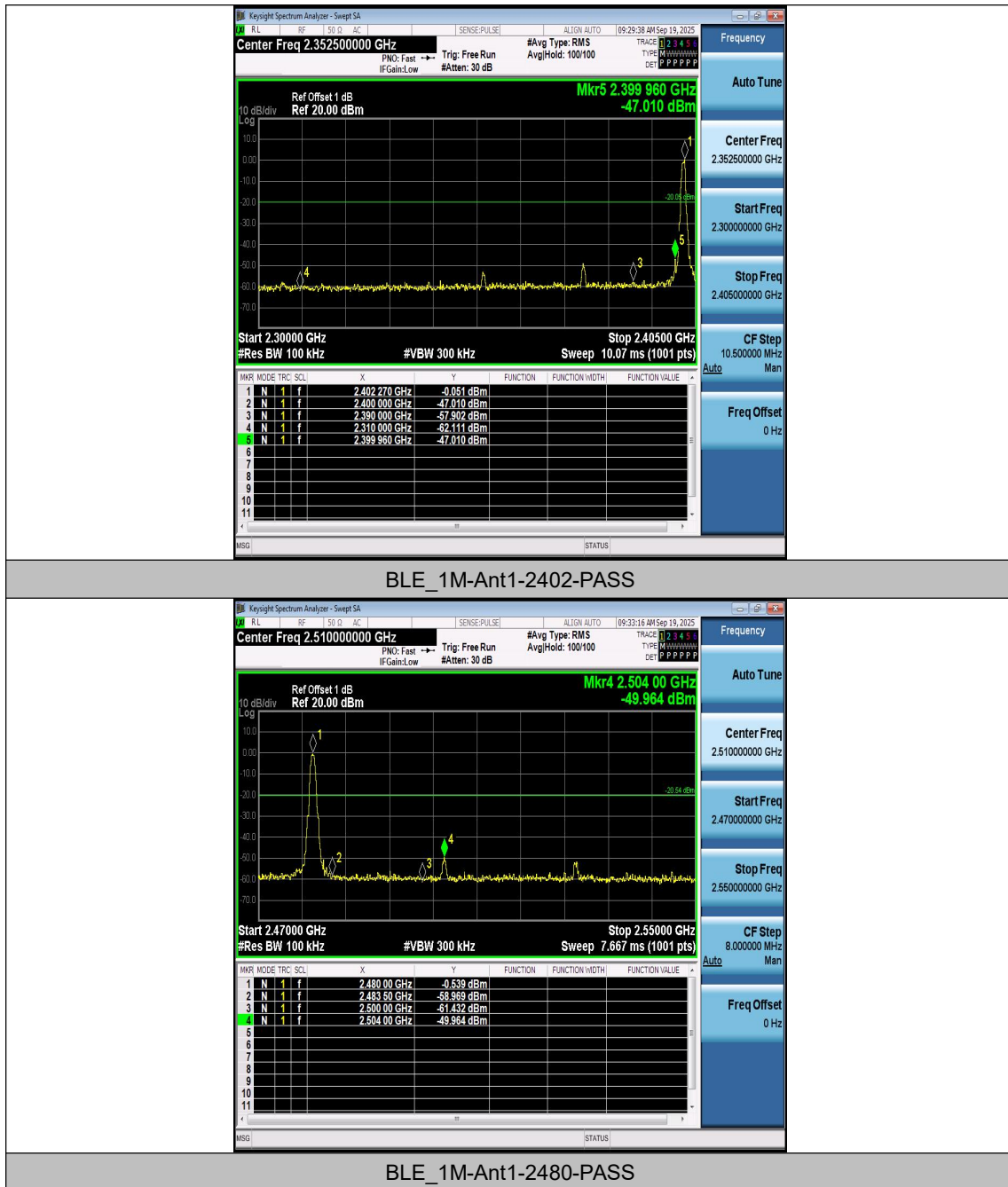
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.05	-47.01	≤-20.05	PASS
BLE_1M	Ant1	High	2480	-0.54	-49.96	≤-20.54	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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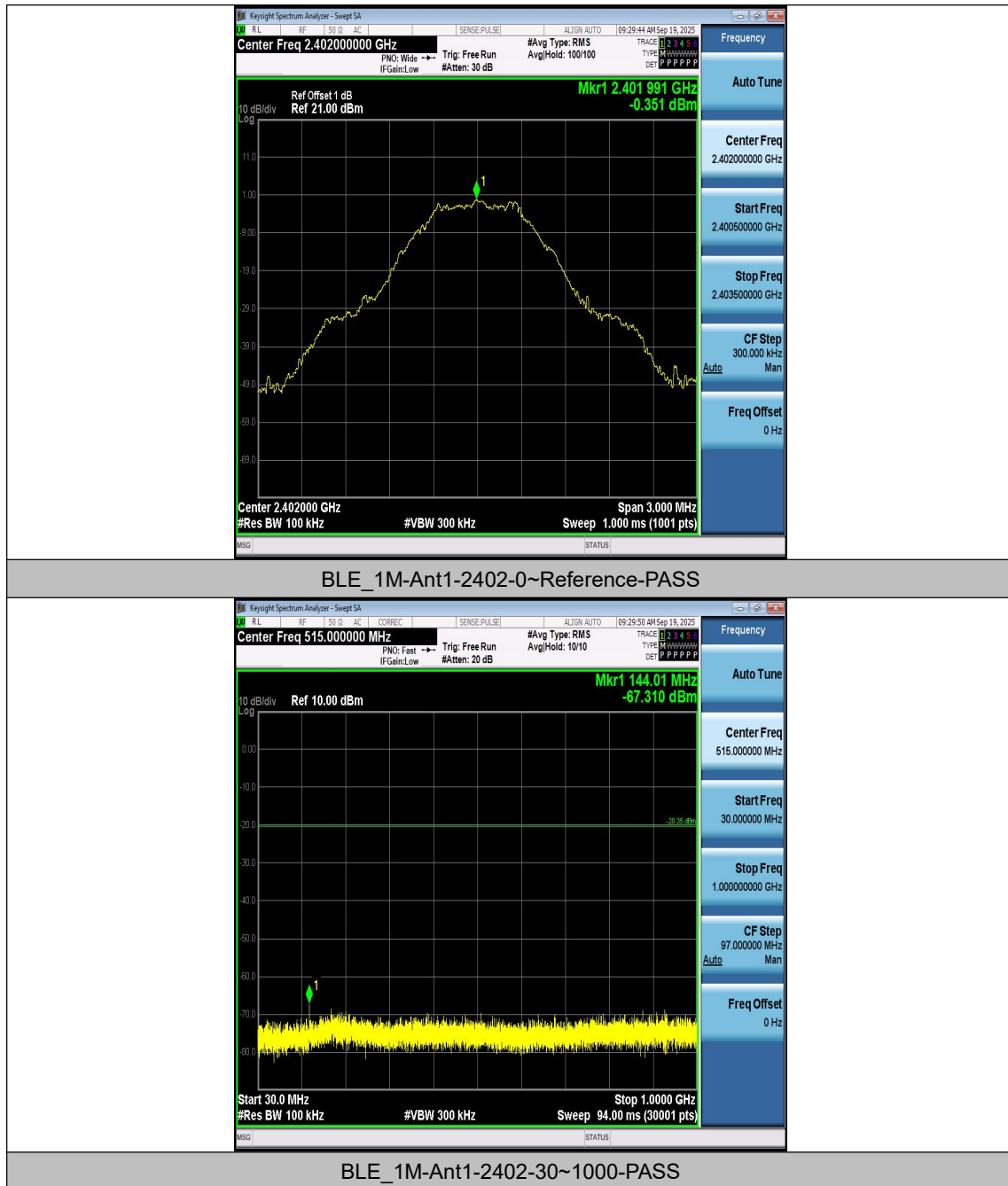
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.35	-0.35	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.35	-67.31	≤-20.35	PASS
BLE_1M	Ant1	2402	1000~26500	-0.35	-46.81	≤-20.35	PASS
BLE_1M	Ant1	2440	0~Reference	0.08	0.08	---	PASS
BLE_1M	Ant1	2440	30~1000	0.08	-67.19	≤-19.92	PASS
BLE_1M	Ant1	2440	1000~26500	0.08	-47.13	≤-19.92	PASS
BLE_1M	Ant1	2480	0~Reference	-0.53	-0.53	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.53	-67.24	≤-20.53	PASS
BLE_1M	Ant1	2480	1000~26500	-0.53	-47.95	≤-20.53	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.

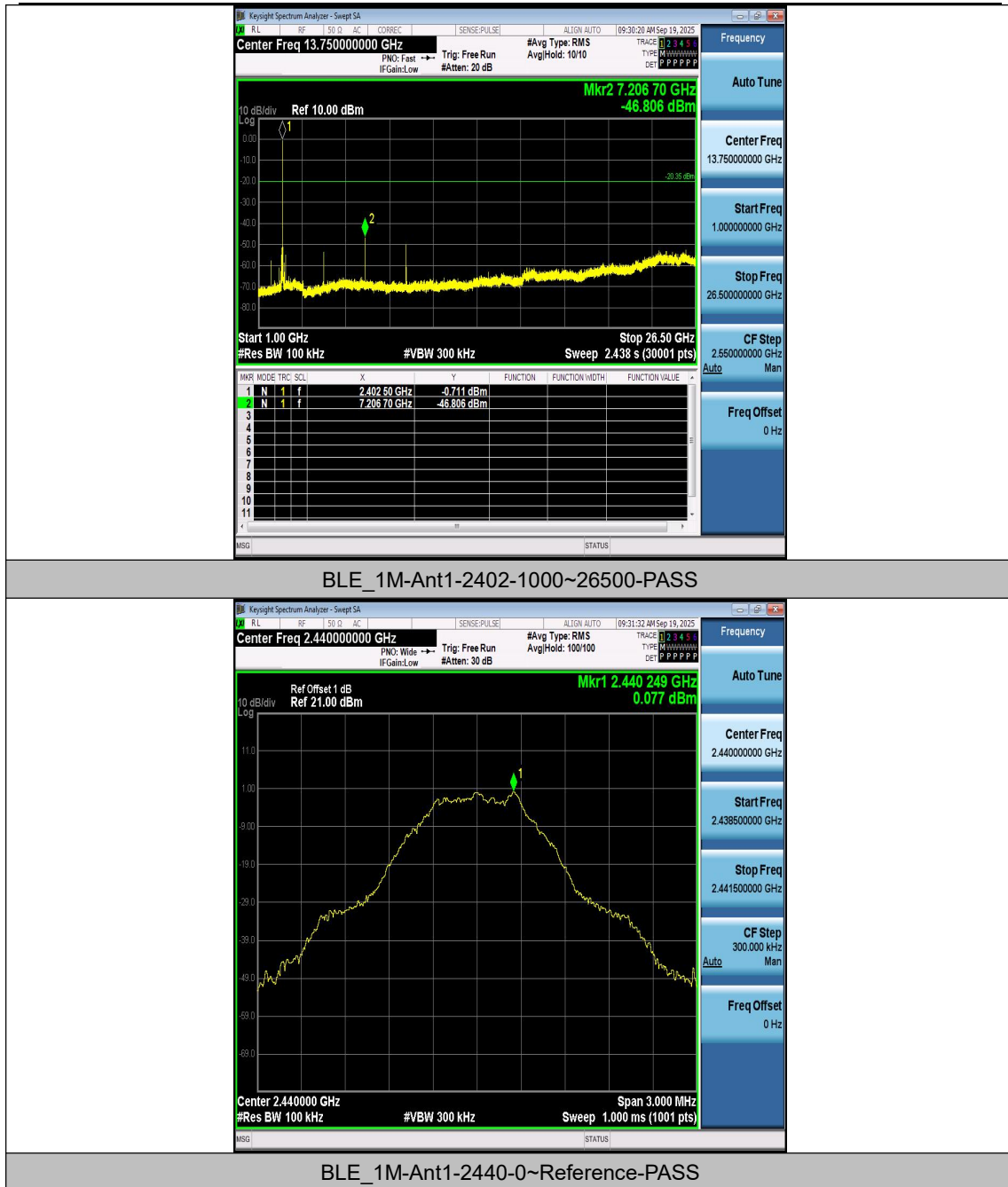
Test Graphs



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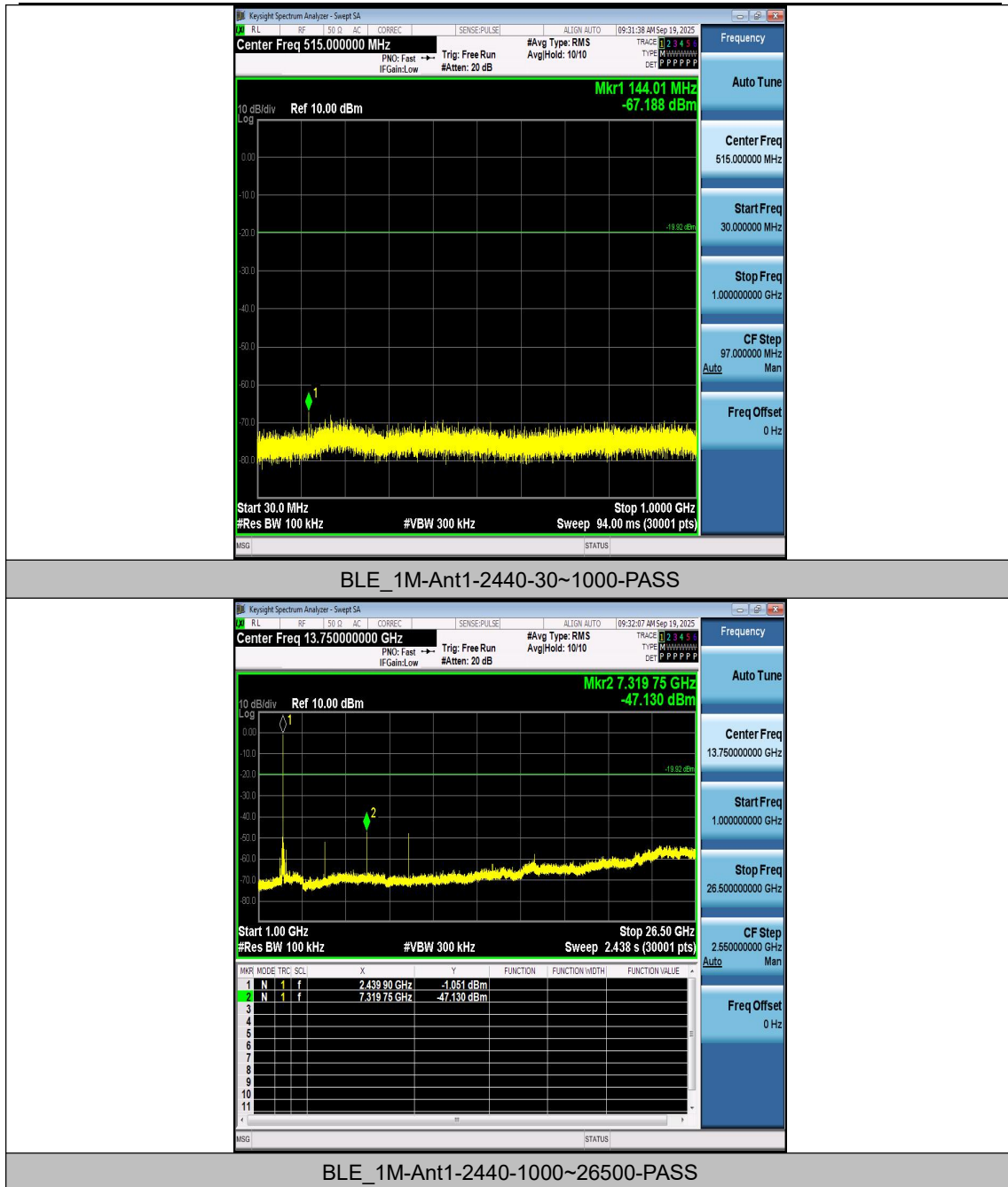
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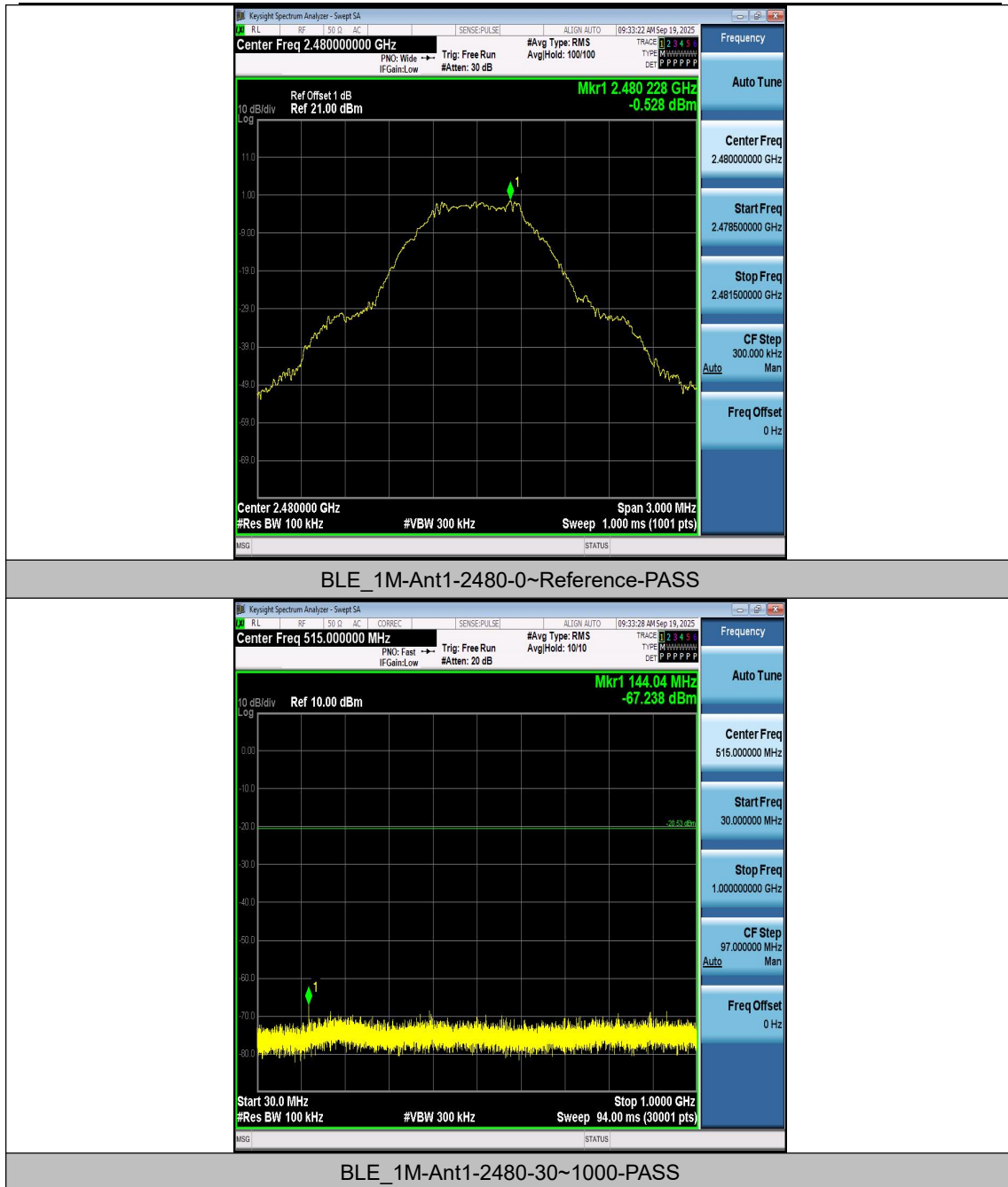
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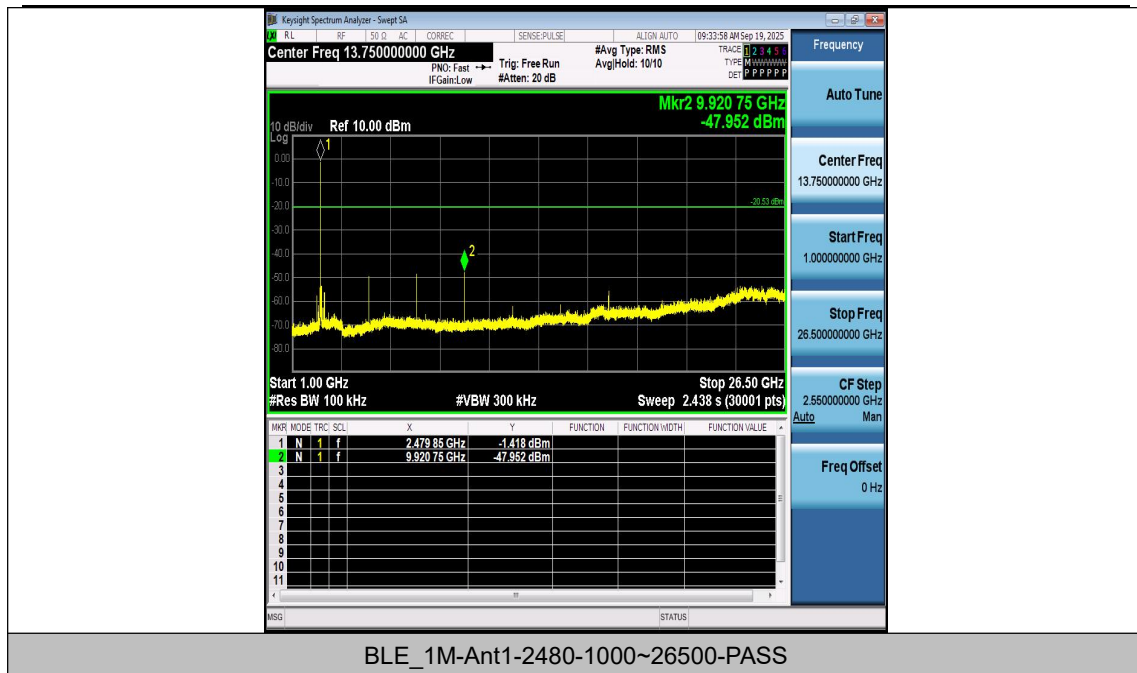
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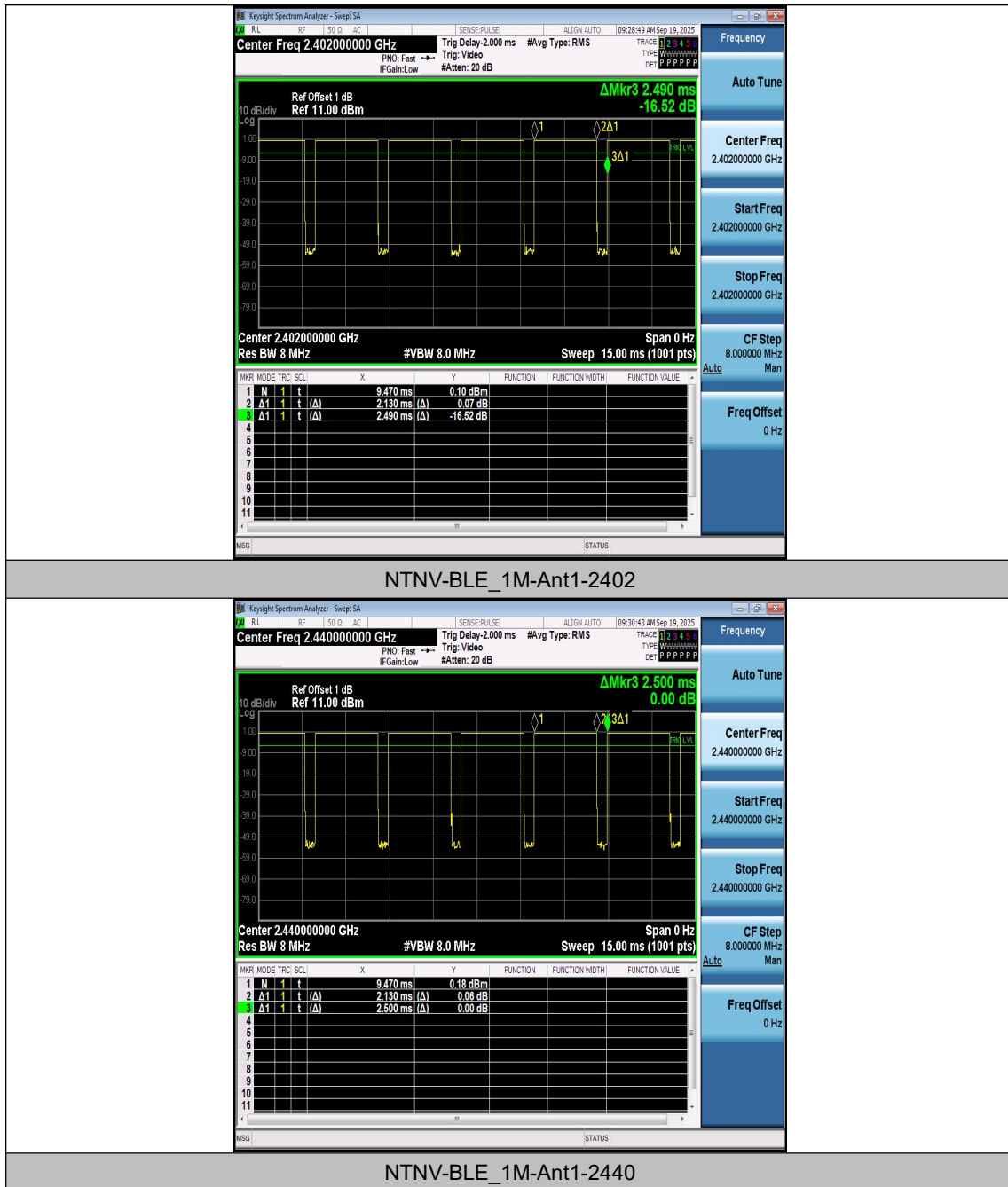
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.49	85.54	0.68
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

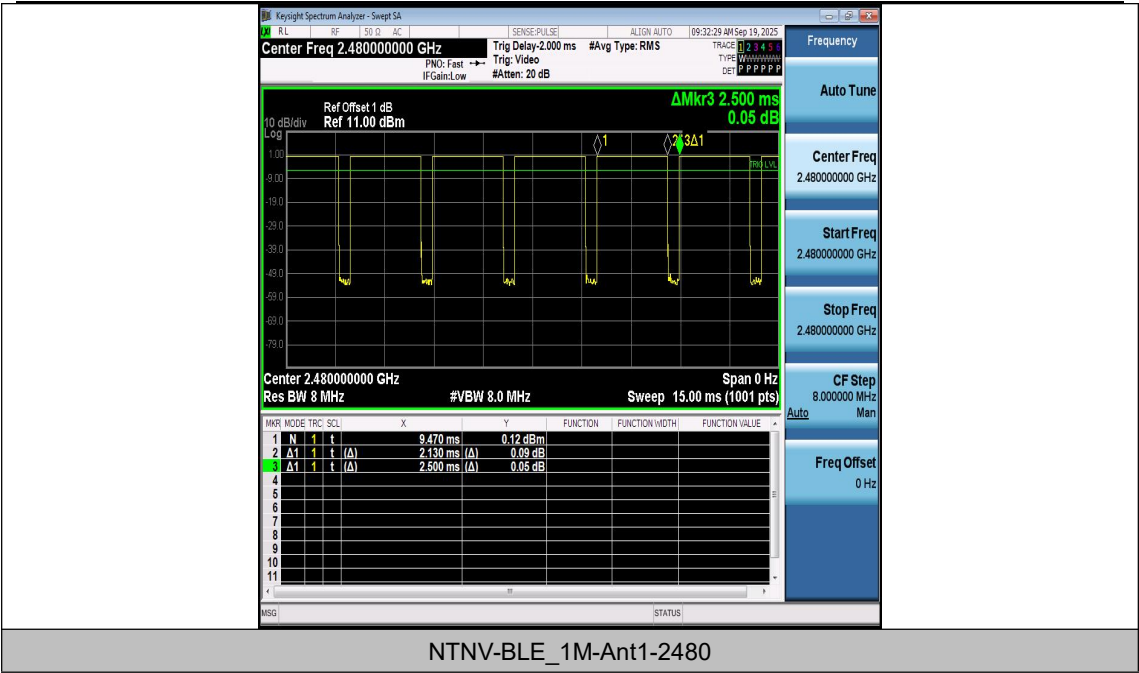
Test Graphs



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