

Appendix Test Data

Report No.:	1812C50581112501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-17	Finish Test Date:	2025-11-17
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.7°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	0.656	2401.736	2402.392	0.5	PASS
BLE_1M	Ant1	2440	0.576	2439.764	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.636	2479.740	2480.376	0.5	PASS

Test Graphs





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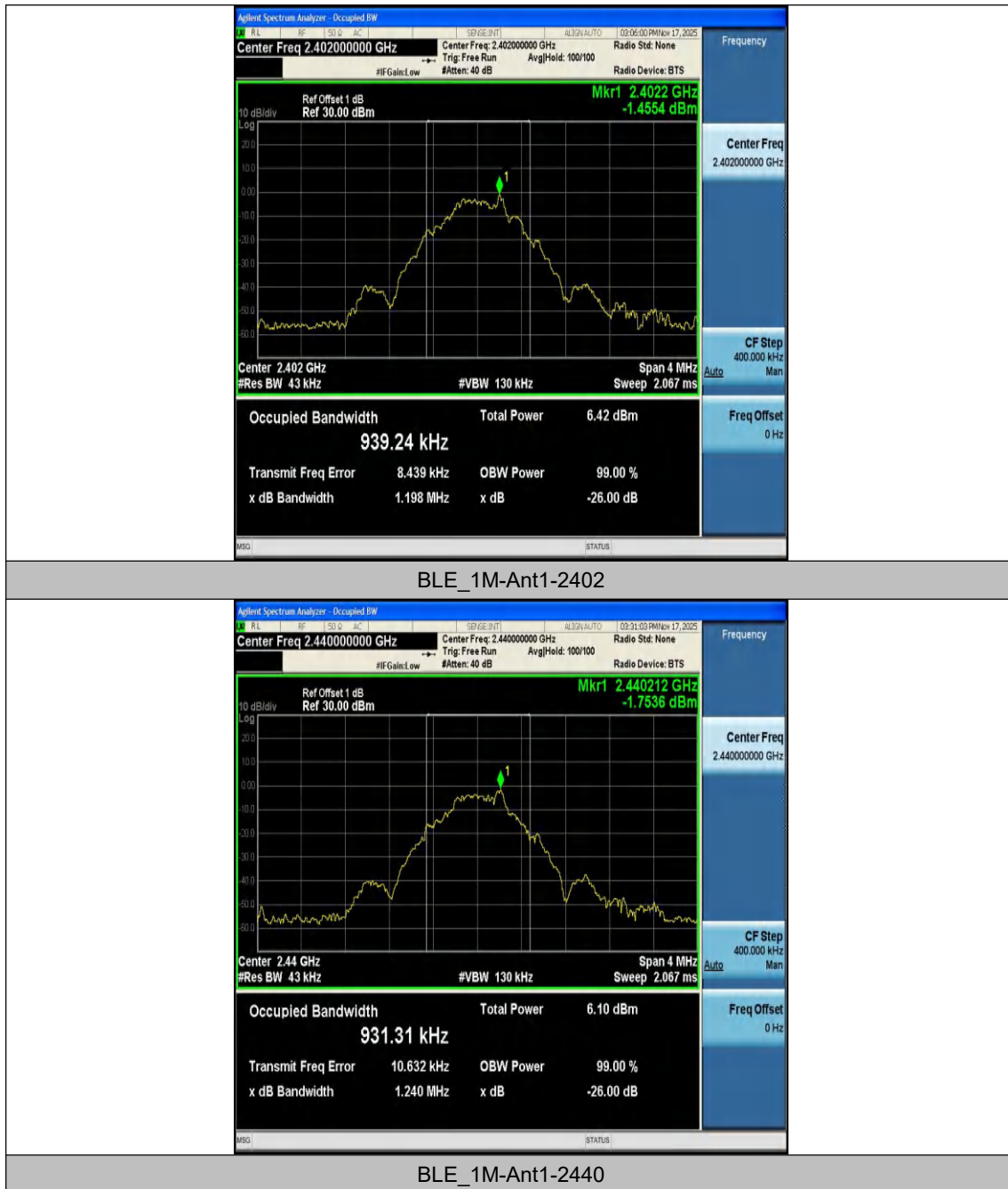
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.93924	2401.5388	2402.4781	---	---
BLE_1M	Ant1	2440	0.93131	2439.5450	2440.4763	---	---
BLE_1M	Ant1	2480	0.95100	2479.5378	2480.4888	---	---

Test Graphs



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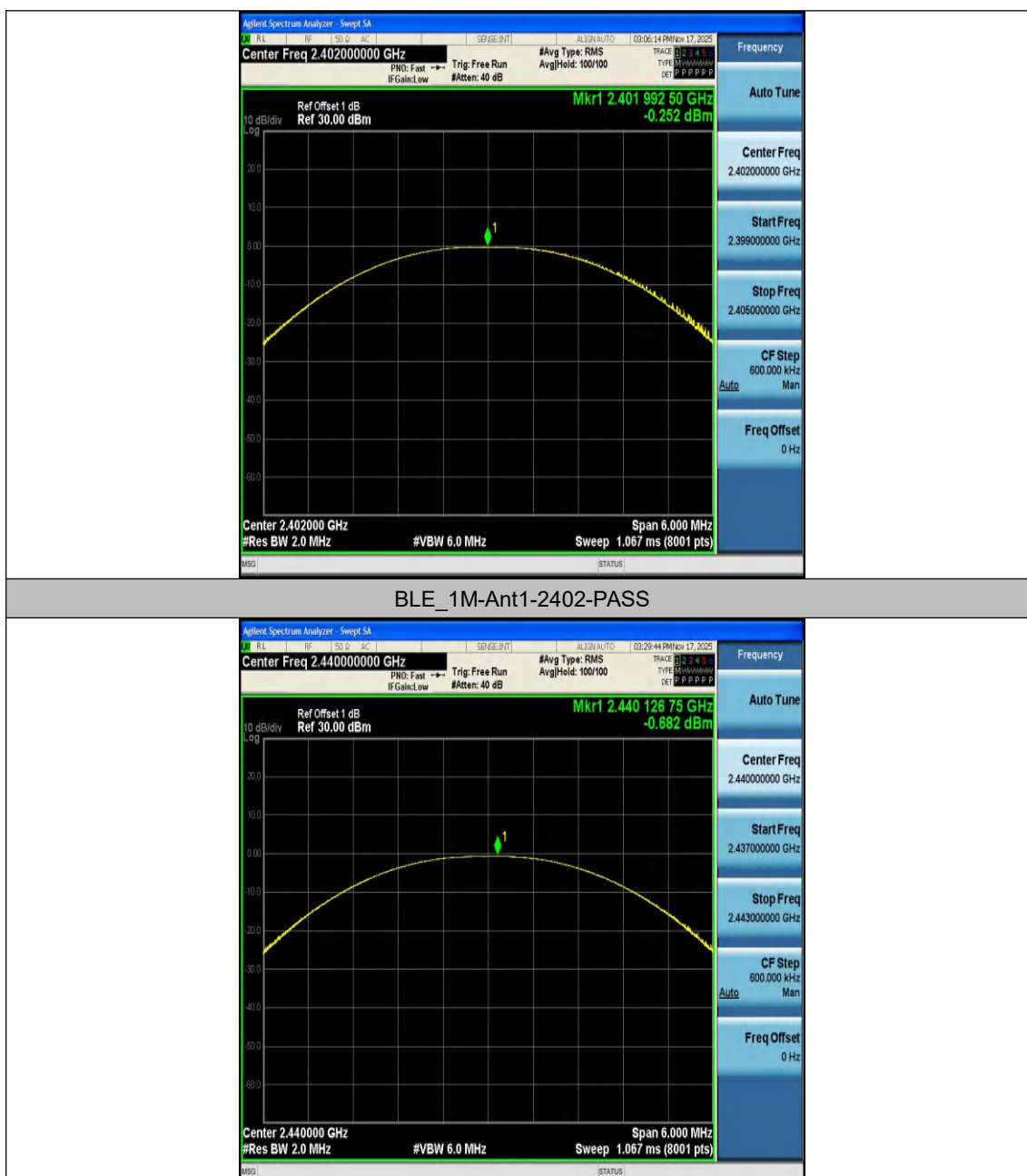
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.25	≤30	PASS
BLE_1M	Ant1	2440	-0.68	≤30	PASS
BLE_1M	Ant1	2480	1.01	≤30	PASS

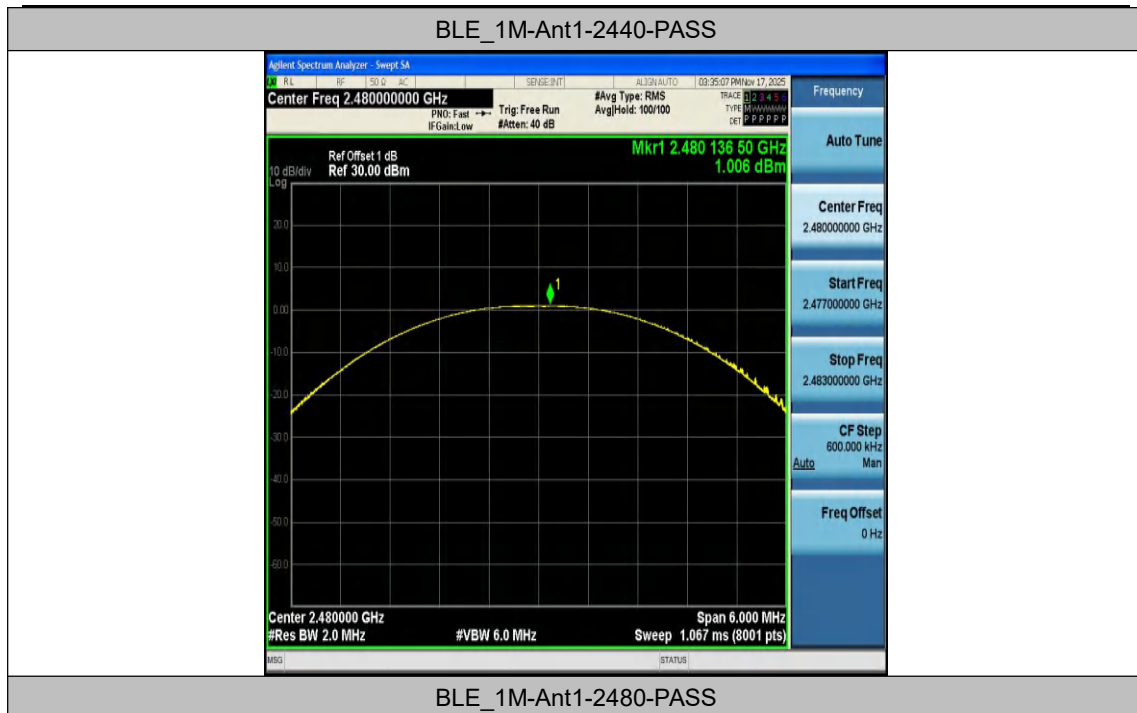
Test Graphs Peak



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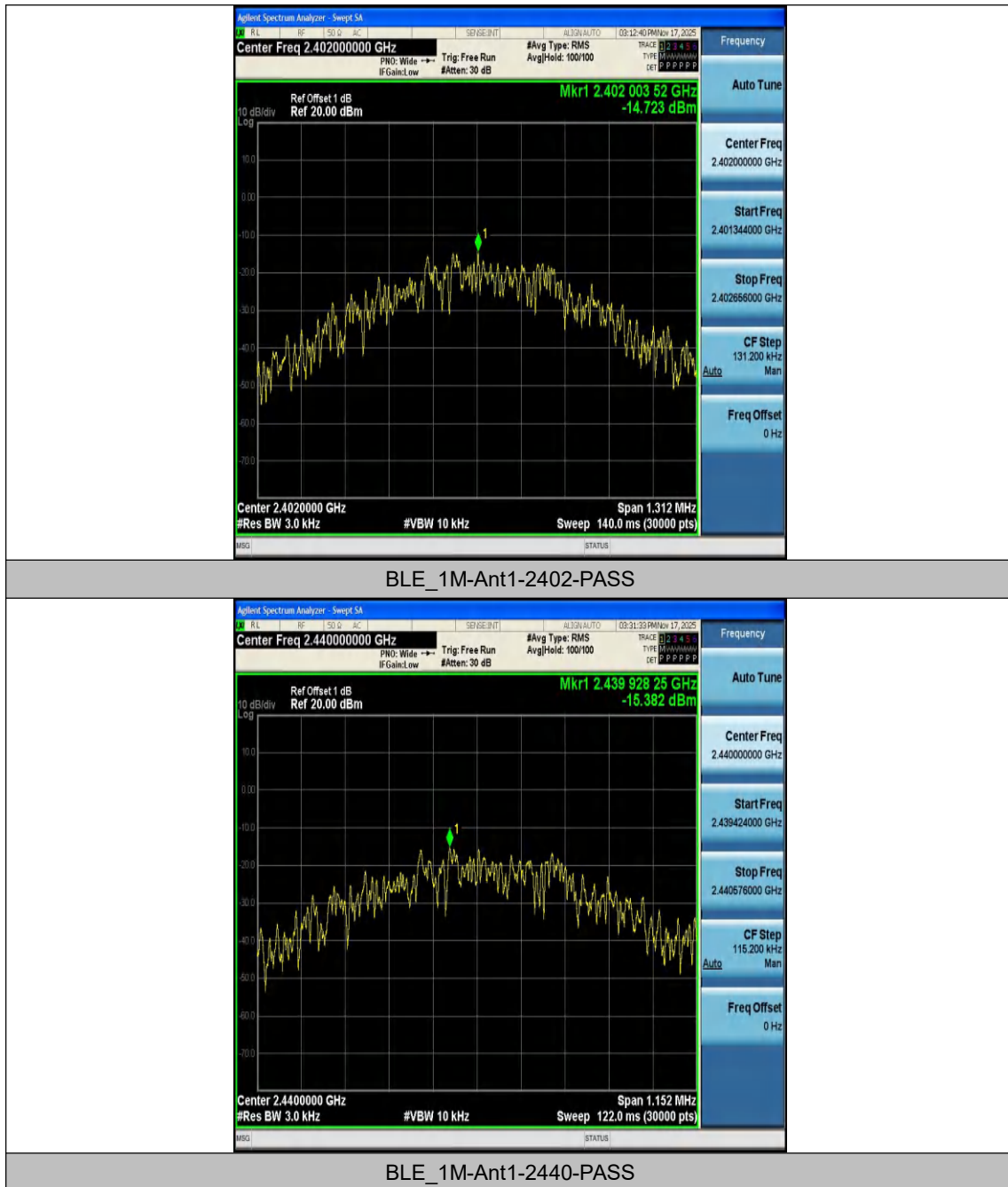
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.72	≤8.00	PASS
BLE_1M	Ant1	2440	-15.38	≤8.00	PASS
BLE_1M	Ant1	2480	-13.10	≤8.00	PASS

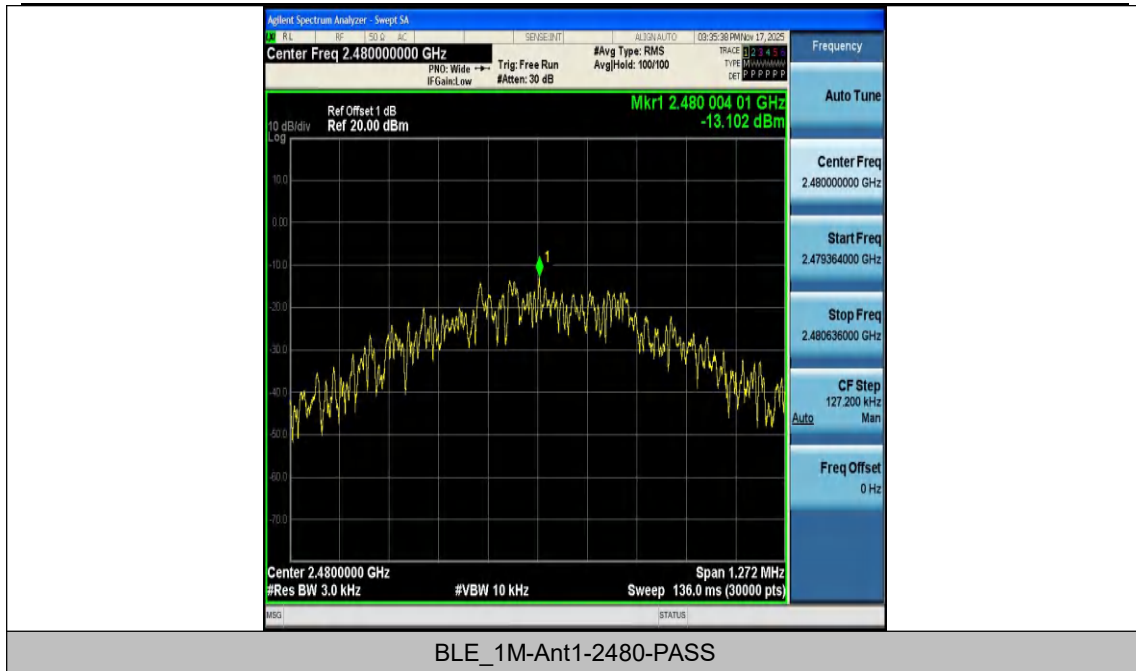
Test Graphs



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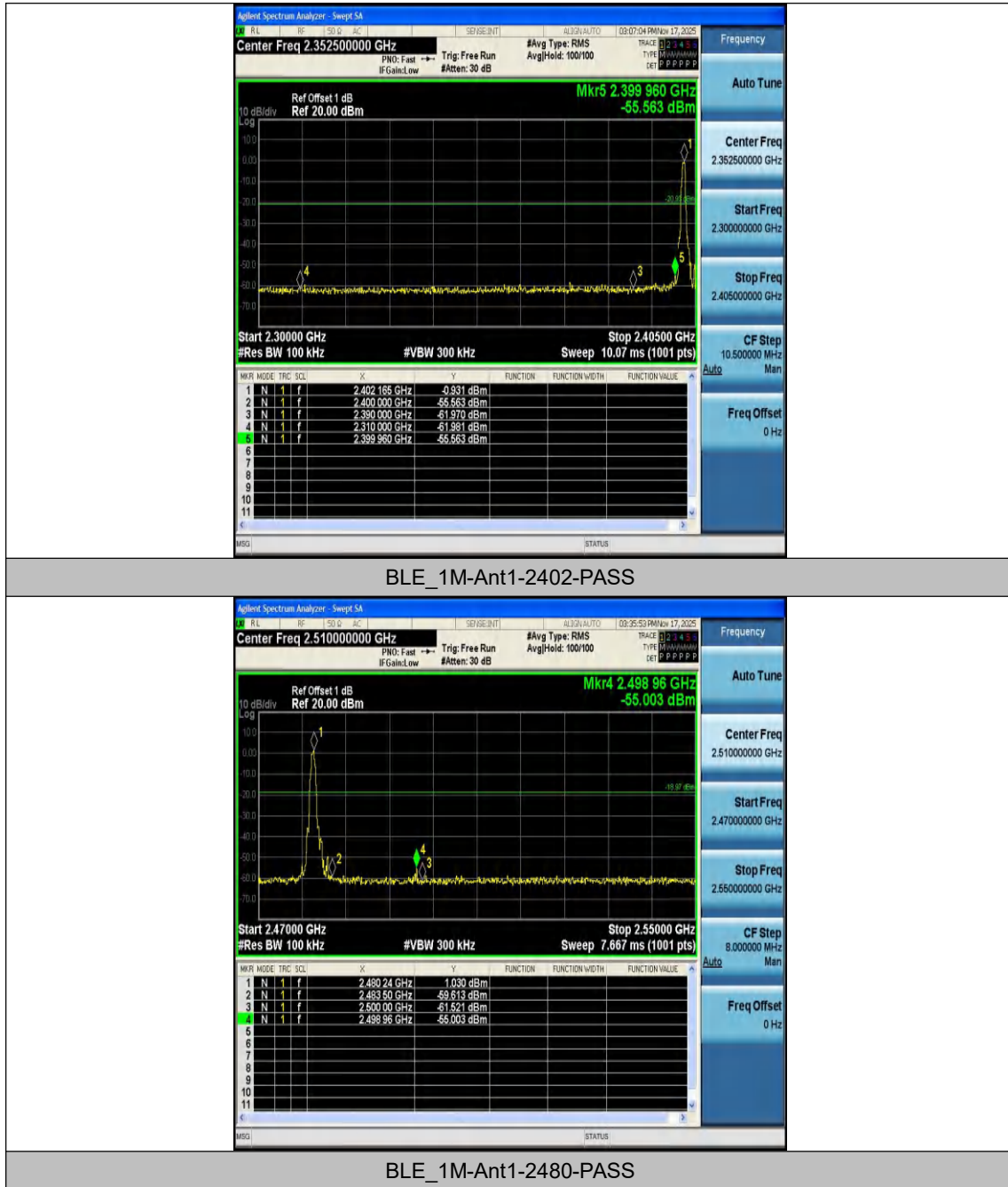
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.93	-55.56	≤-20.93	PASS
BLE_1M	Ant1	High	2480	1.03	-55	≤-18.97	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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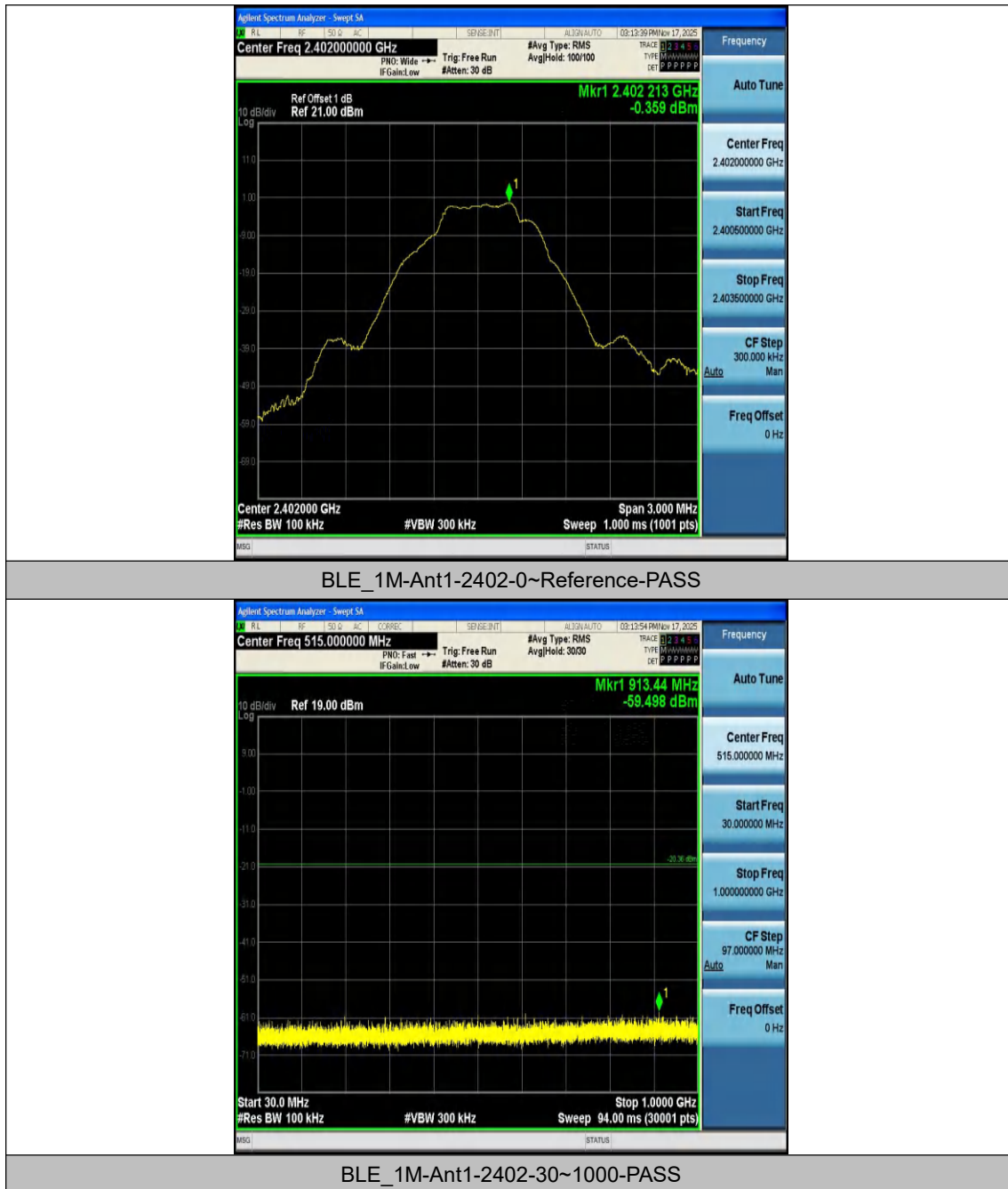
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.36	-0.36	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.36	-59.5	≤-20.36	PASS
BLE_1M	Ant1	2402	1000~26500	-0.36	-42.1	≤-20.36	PASS
BLE_1M	Ant1	2440	0~Reference	-0.83	-0.83	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.83	-59.48	≤-20.83	PASS
BLE_1M	Ant1	2440	1000~26500	-0.83	-43.8	≤-20.83	PASS
BLE_1M	Ant1	2480	0~Reference	0.88	0.88	---	PASS
BLE_1M	Ant1	2480	30~1000	0.88	-59.82	≤-19.12	PASS
BLE_1M	Ant1	2480	1000~26500	0.88	-45.11	≤-19.12	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.

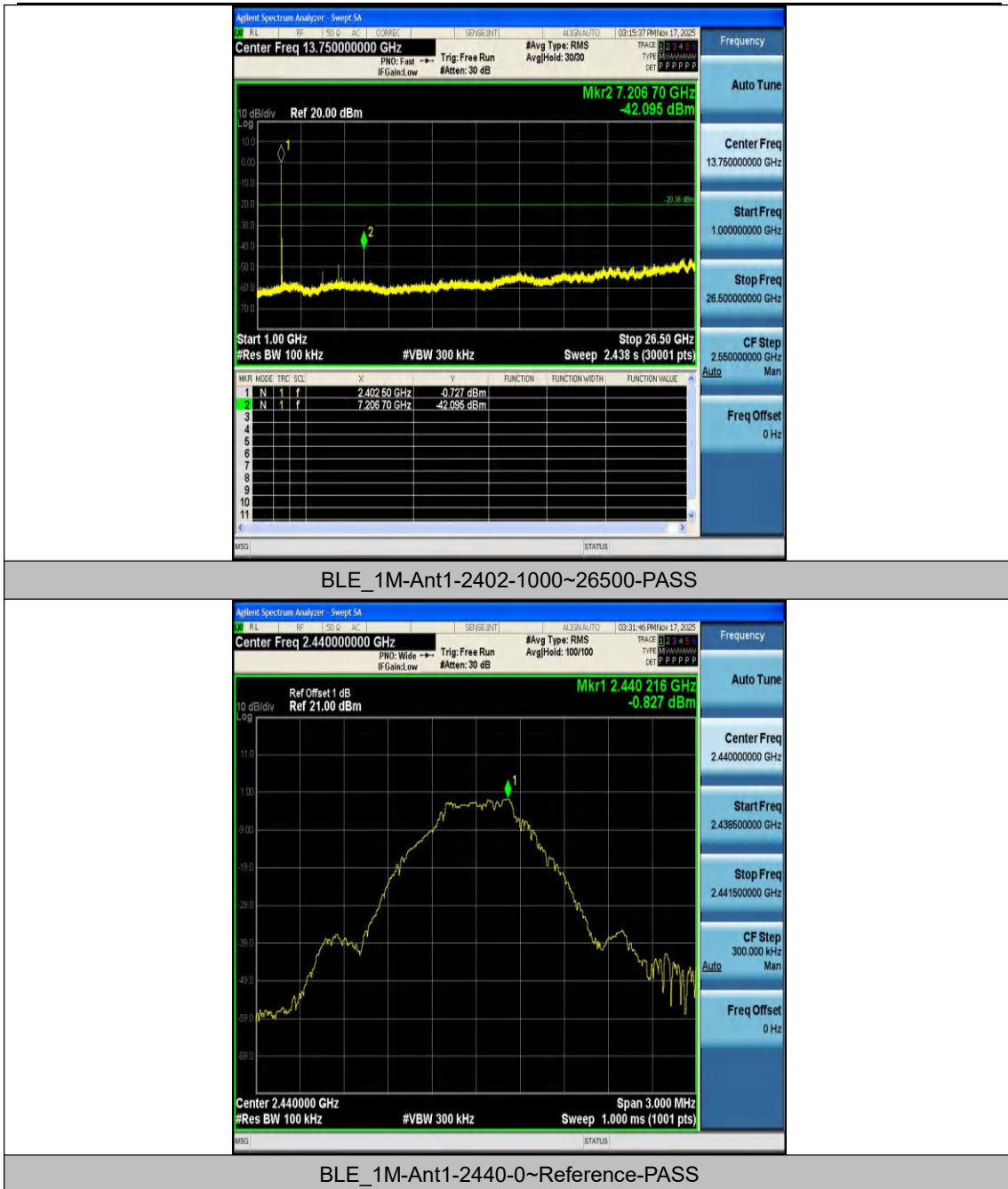
Test Graphs



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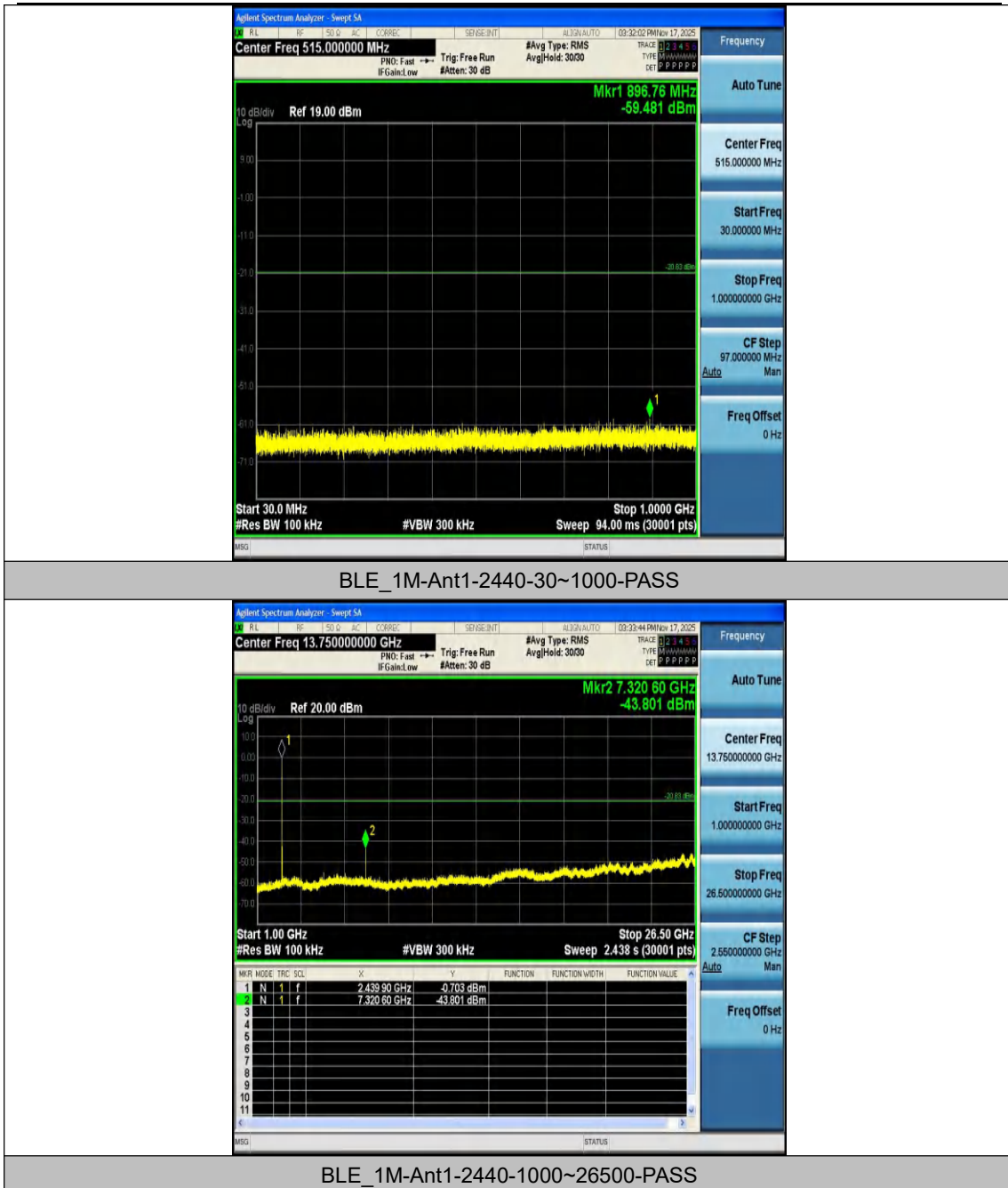
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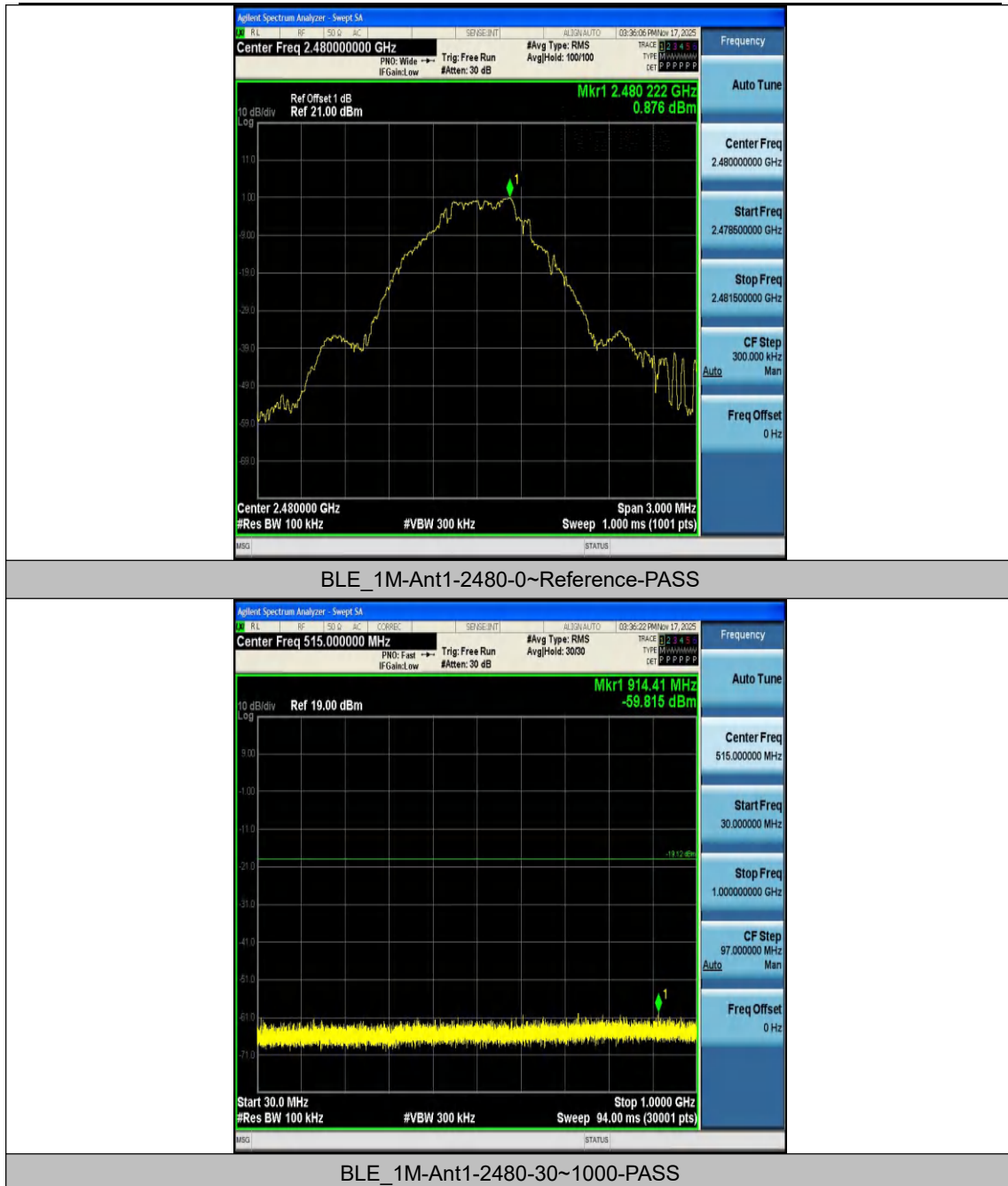
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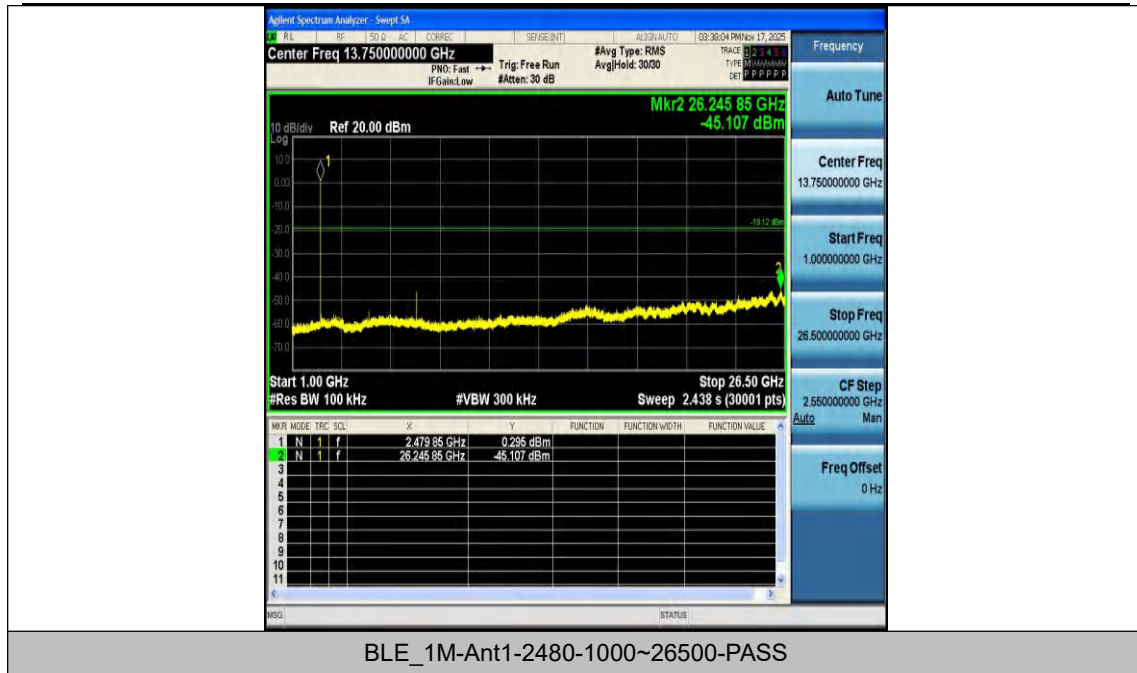
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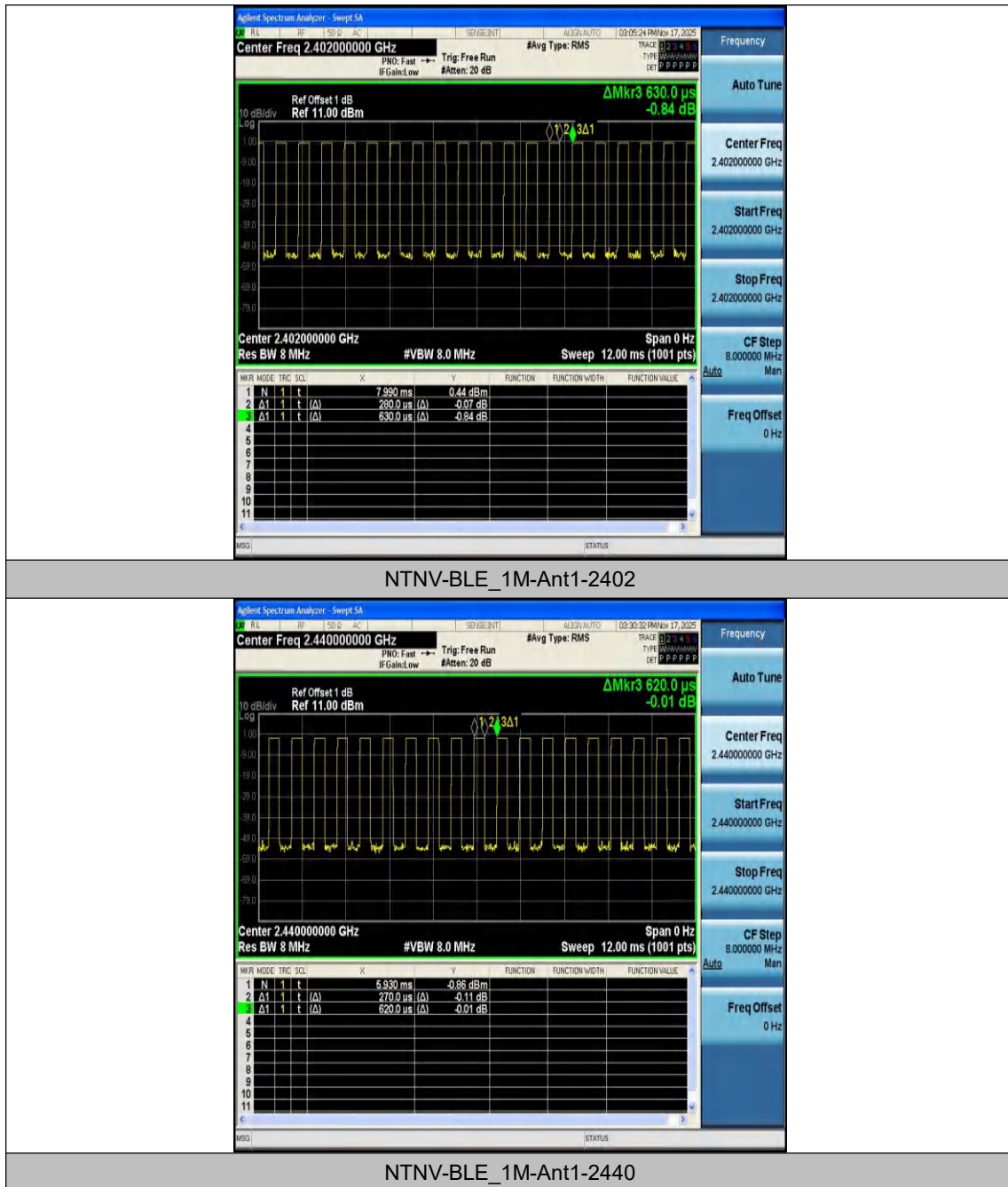
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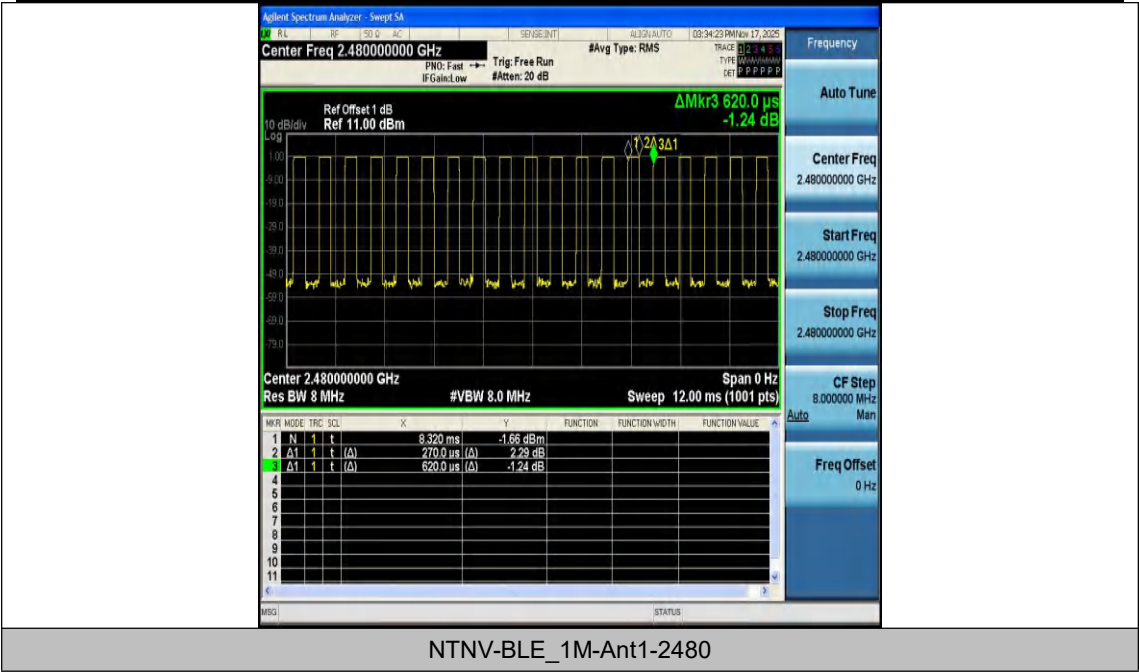
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	0.63	44.44	3.52
BLE_1M	Ant1	2440	0.27	0.62	43.55	3.61
BLE_1M	Ant1	2480	0.27	0.62	43.55	3.61

Test Graphs





NTNV-BLE_1M-Ant1-2480

---End---