

Appendix Test Data

Report No.:	1813C50477812502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-11	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		

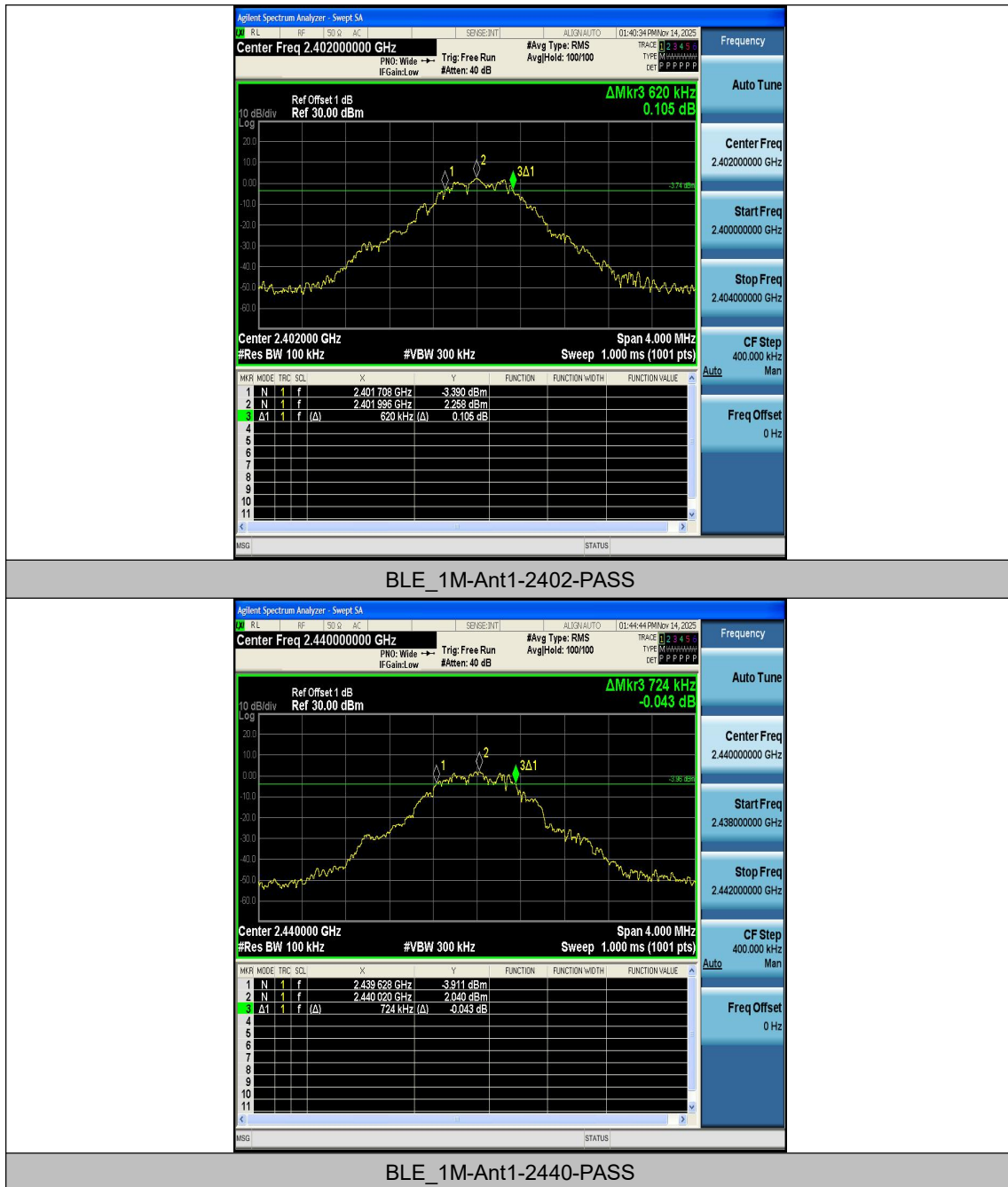


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.620	2401.708	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.724	2439.628	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.684	2479.668	2480.352	0.5	PASS

Test Graphs



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BLE_1M-Ant1-2480-PASS

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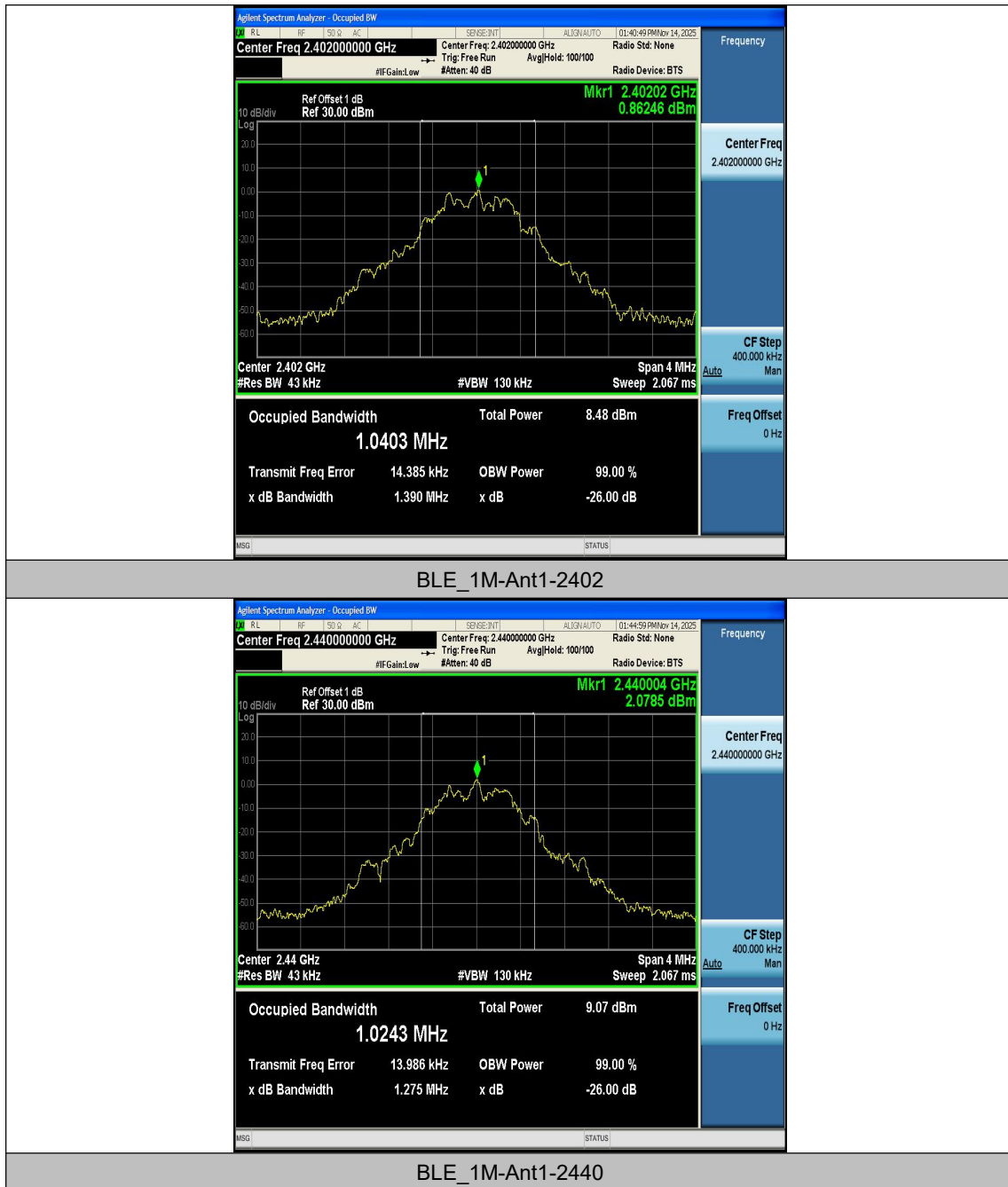
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0403	2401.4942	2402.5345	---	---
BLE_1M	Ant1	2440	1.0243	2439.5018	2440.5261	---	---
BLE_1M	Ant1	2480	1.0232	2479.5023	2480.5255	---	---

Test Graphs



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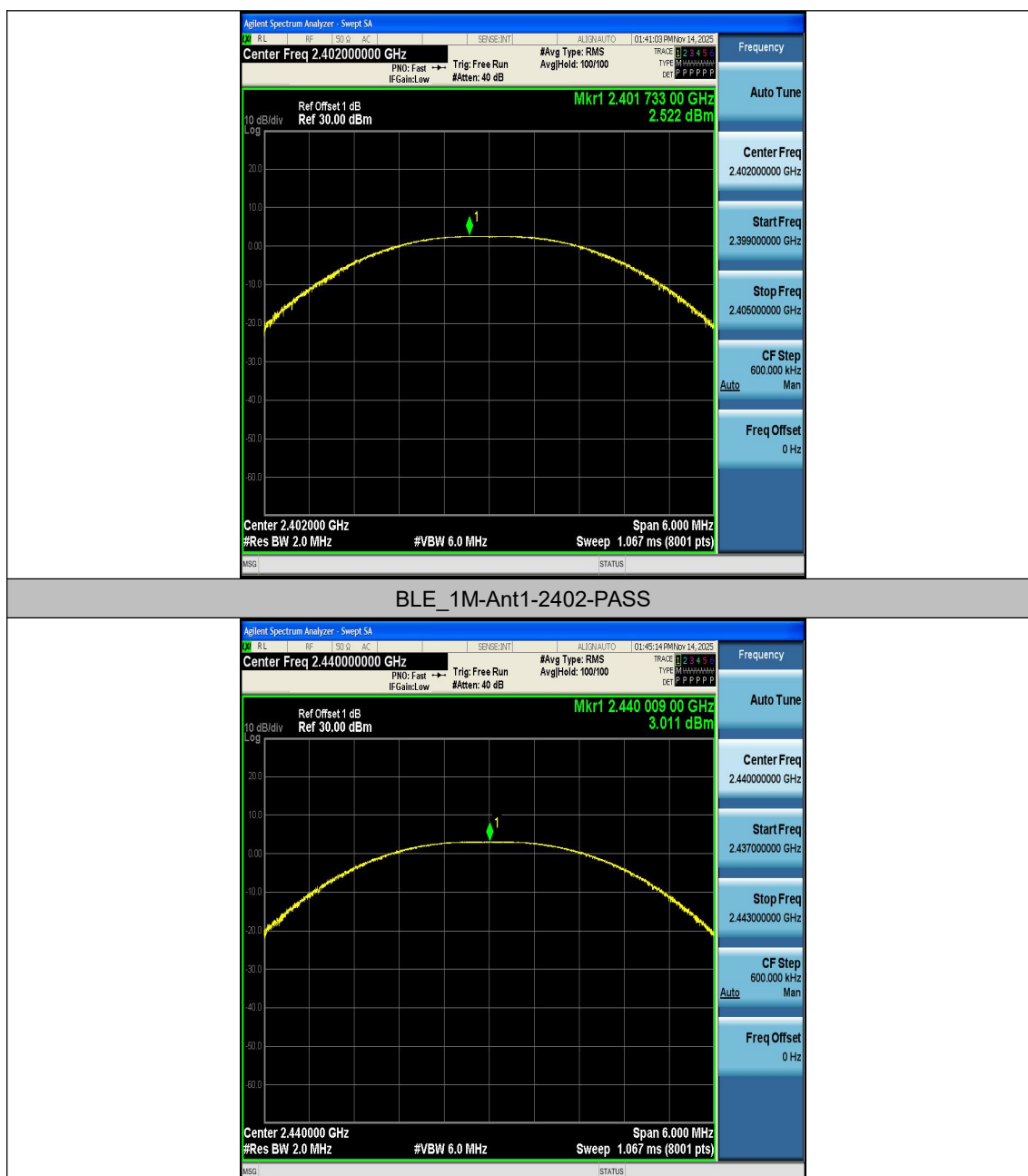
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.52	≤30	PASS
BLE_1M	Ant1	2440	3.01	≤30	PASS
BLE_1M	Ant1	2480	3.64	≤30	PASS

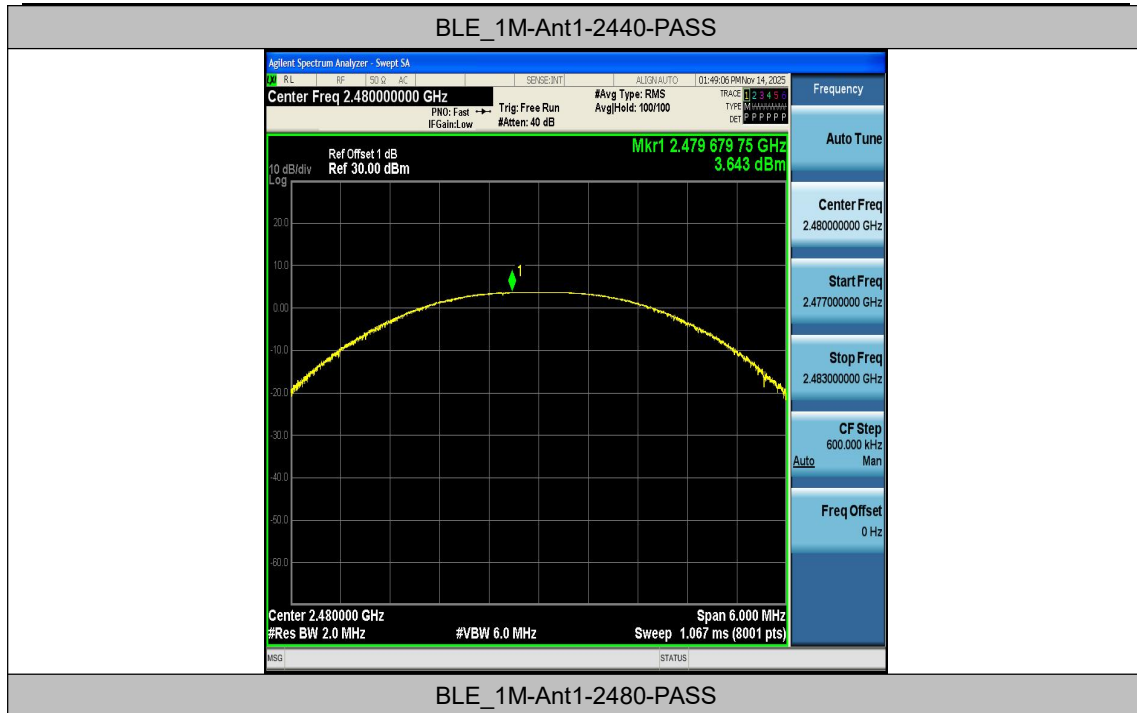
Test Graphs Peak



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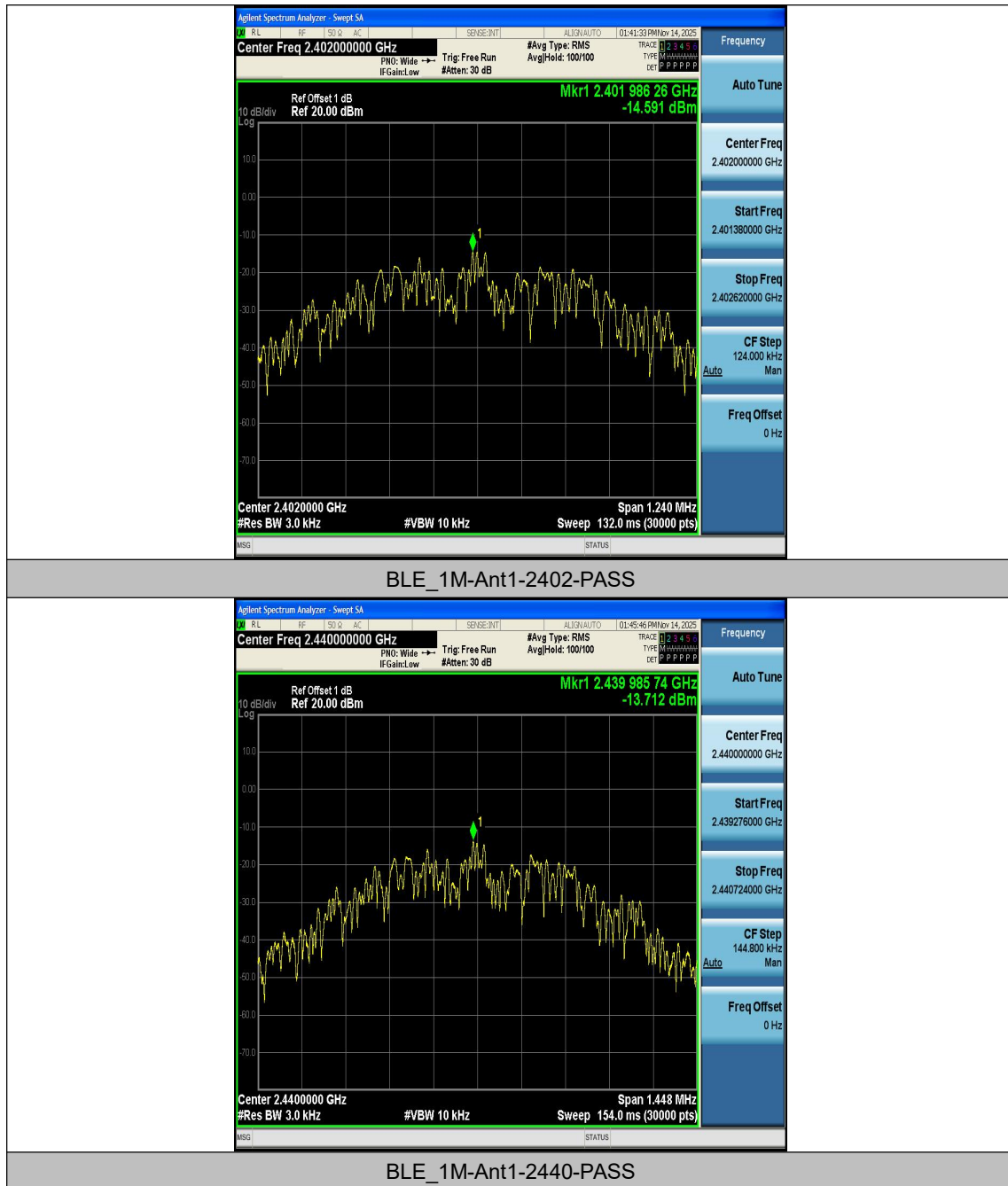
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.59	≤8.00	PASS
BLE_1M	Ant1	2440	-13.71	≤8.00	PASS
BLE_1M	Ant1	2480	-13.24	≤8.00	PASS

Test Graphs



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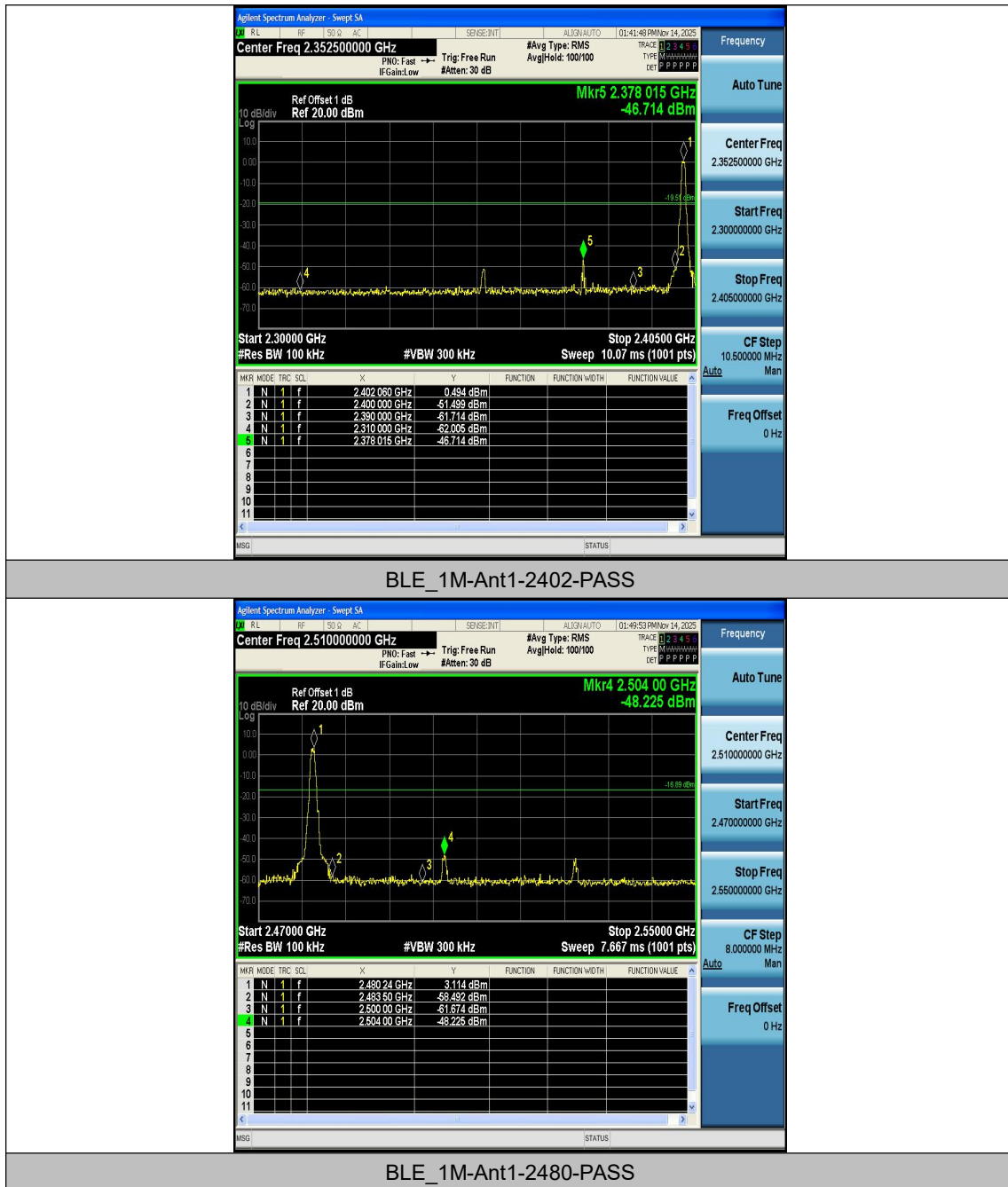
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.49	-46.71	≤-19.51	PASS
BLE_1M	Ant1	High	2480	3.11	-48.23	≤-16.89	PASS

Test Graphs



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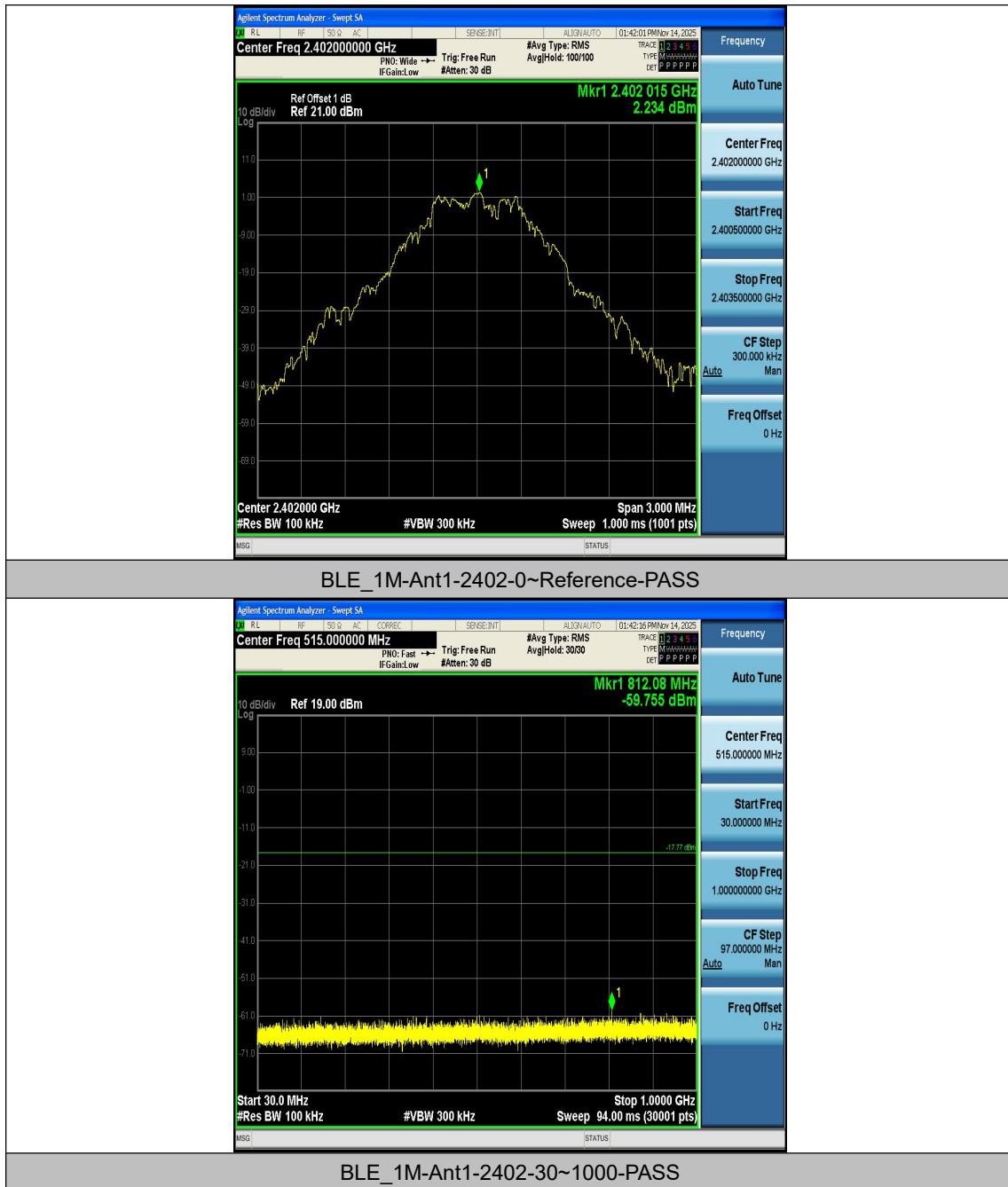
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.23	2.23	---	PASS
BLE_1M	Ant1	2402	30~1000	2.23	-59.76	≤-17.77	PASS
BLE_1M	Ant1	2402	1000~26500	2.23	-38.46	≤-17.77	PASS
BLE_1M	Ant1	2440	0~Reference	2.33	2.33	---	PASS
BLE_1M	Ant1	2440	30~1000	2.33	-60.36	≤-17.67	PASS
BLE_1M	Ant1	2440	1000~26500	2.33	-43.05	≤-17.67	PASS
BLE_1M	Ant1	2480	0~Reference	3.50	3.50	---	PASS
BLE_1M	Ant1	2480	30~1000	3.50	-59.89	≤-16.5	PASS
BLE_1M	Ant1	2480	1000~26500	3.50	-43.88	≤-16.5	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.

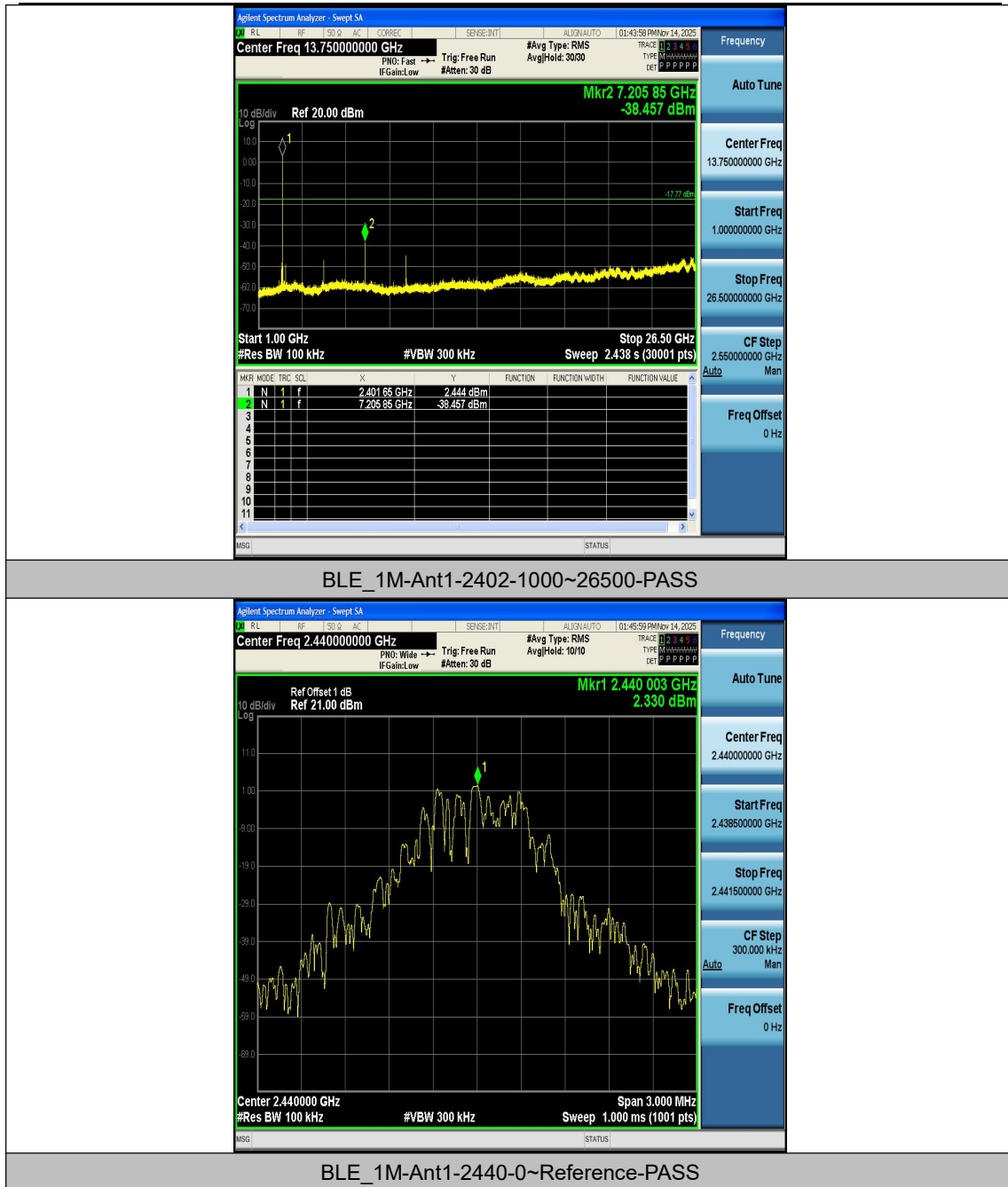
Test Graphs



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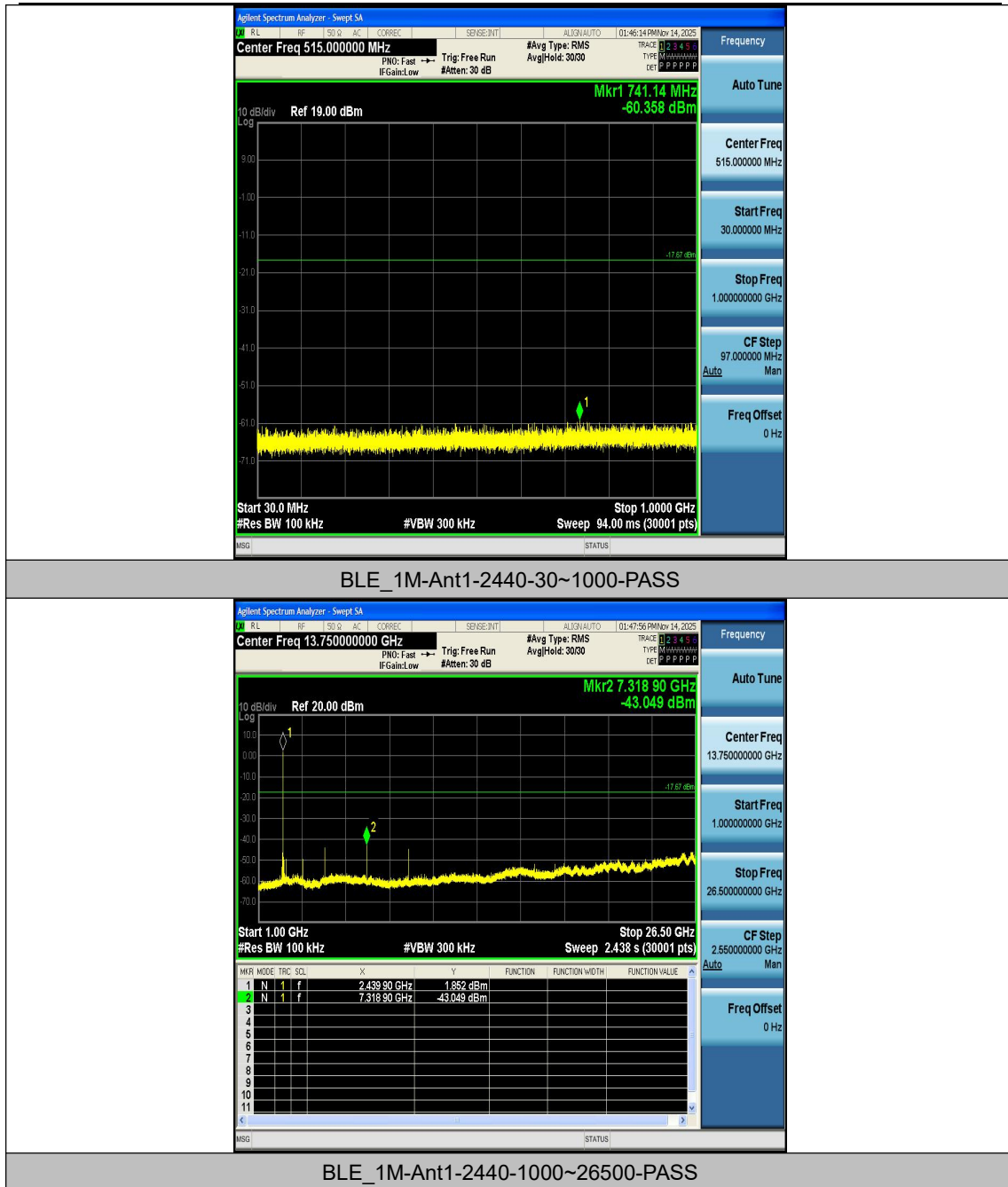
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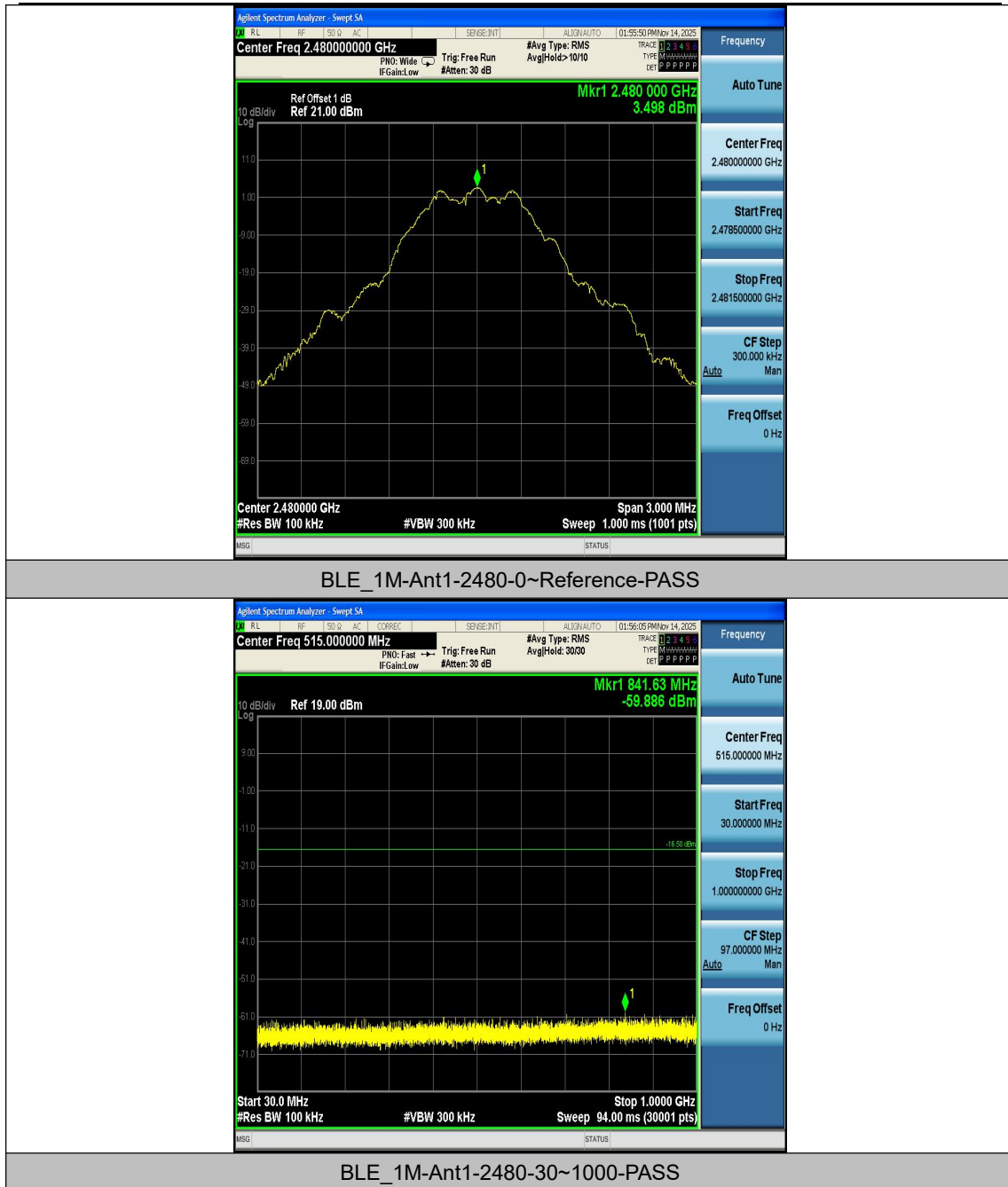
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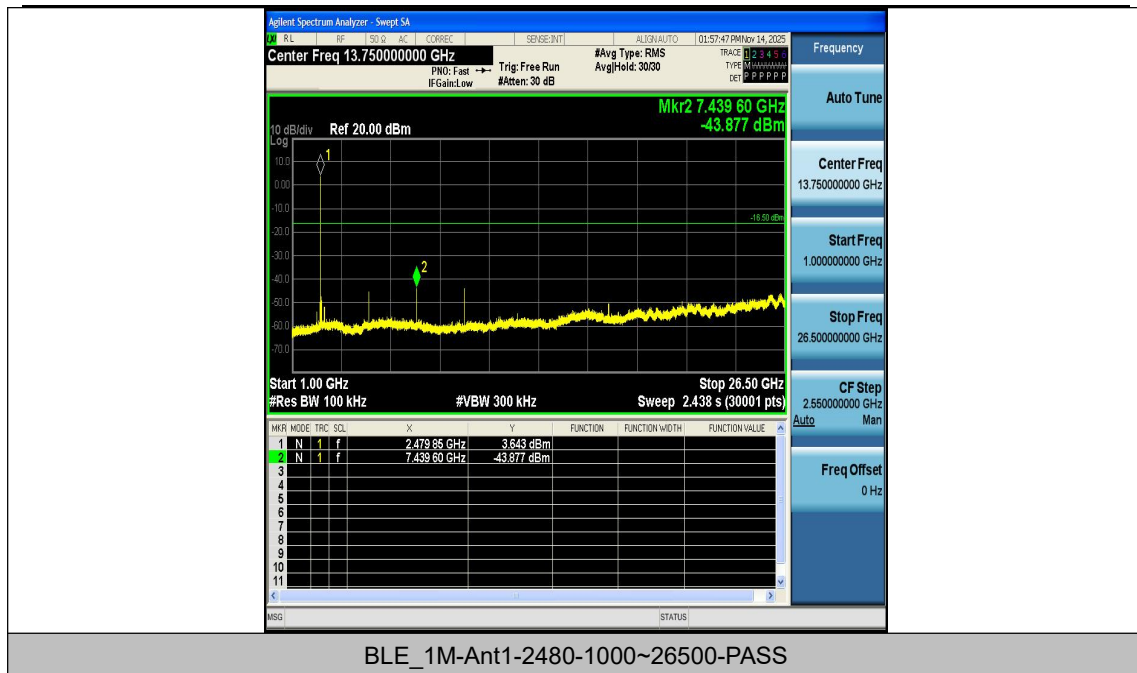
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BLE_1M-Ant1-2480-1000~26500-PASS

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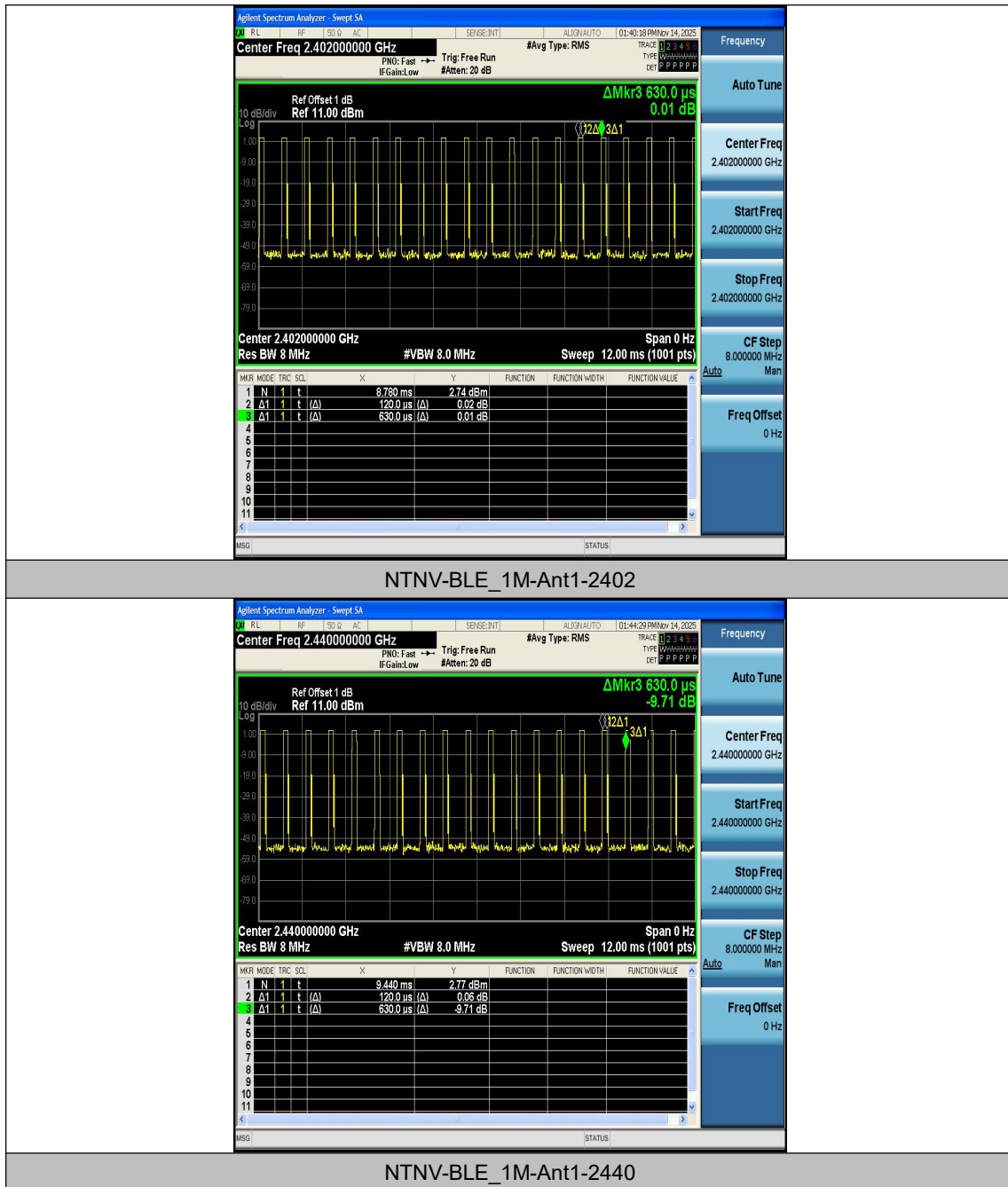
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.12	0.63	19.05	7.20
BLE_1M	Ant1	2440	0.12	0.63	19.05	7.20
BLE_1M	Ant1	2480	0.12	0.63	19.05	7.20

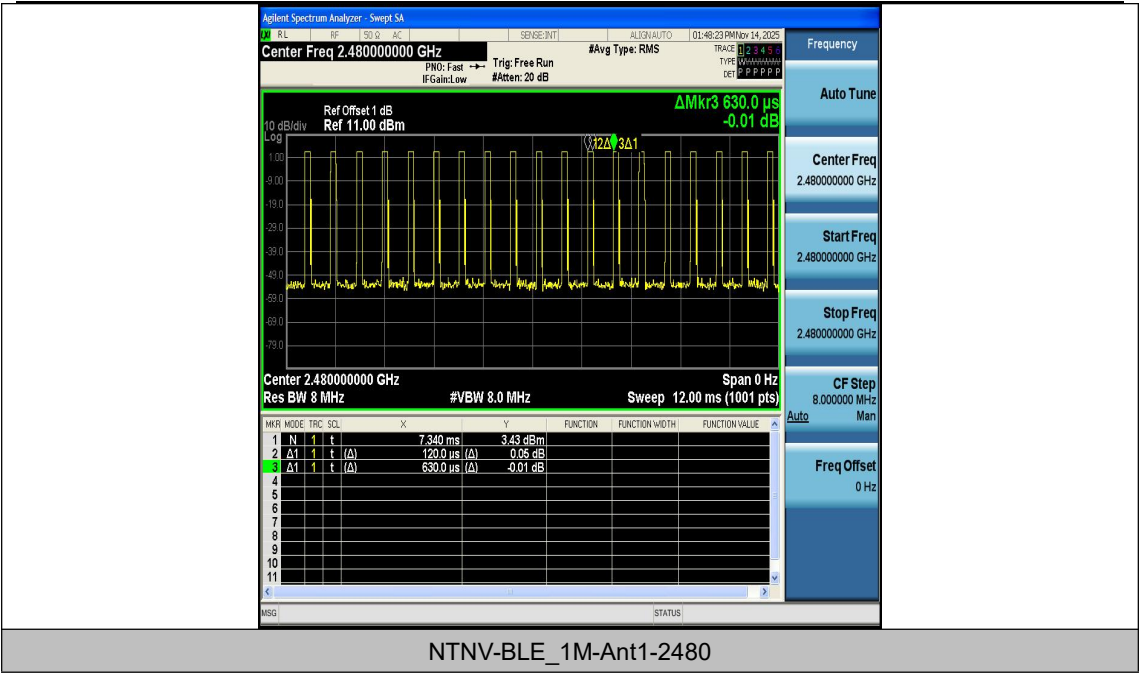
Test Graphs



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NTNV-BLE_1M-Ant1-2480

---End---