

Appendix Test Data

Report No.:	1812C50652812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-22	Finish Test Date:	2025-12-22
Test Engineer:	<i>Aless Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.2°C	Relative Humidity:	51%
Pressure:	101kPa		

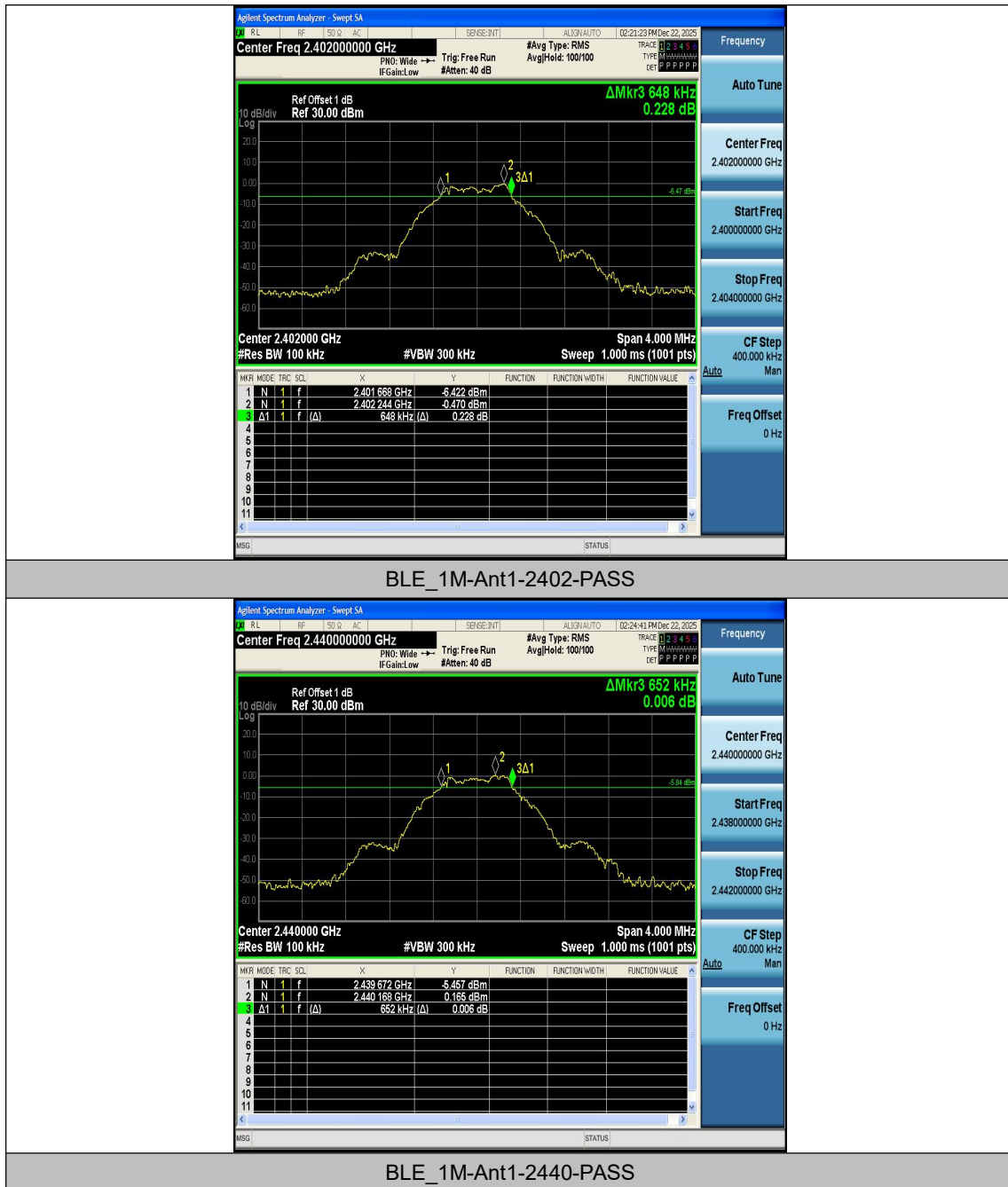


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.648	2401.668	2402.316	0.5	PASS
BLE_1M	Ant1	2440	0.652	2439.672	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.660	2479.668	2480.328	0.5	PASS

Test Graphs



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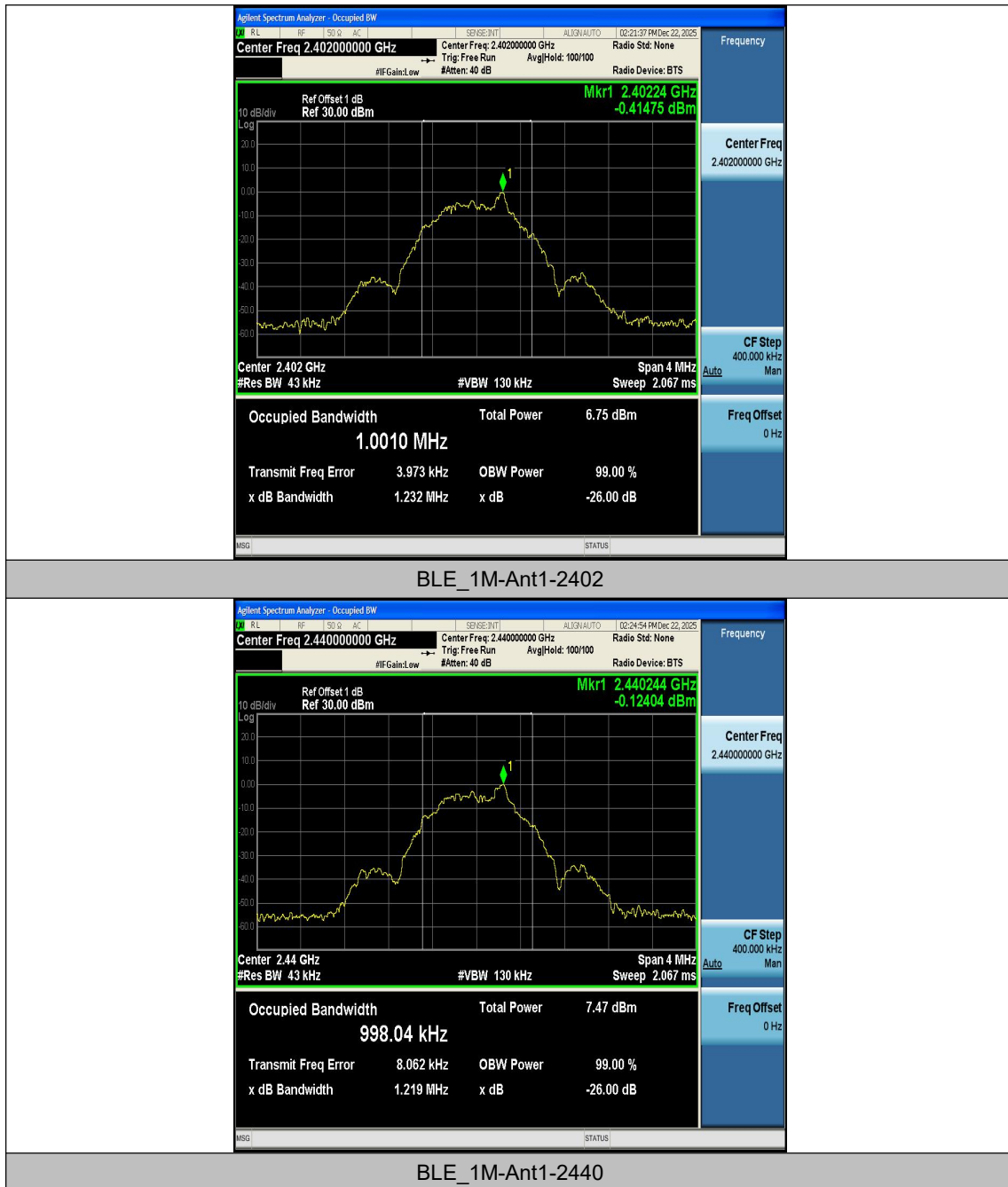
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0010	2401.5035	2402.5045	---	---
BLE_1M	Ant1	2440	0.99804	2439.5090	2440.5071	---	---
BLE_1M	Ant1	2480	1.0082	2479.5008	2480.5090	---	---

Test Graphs



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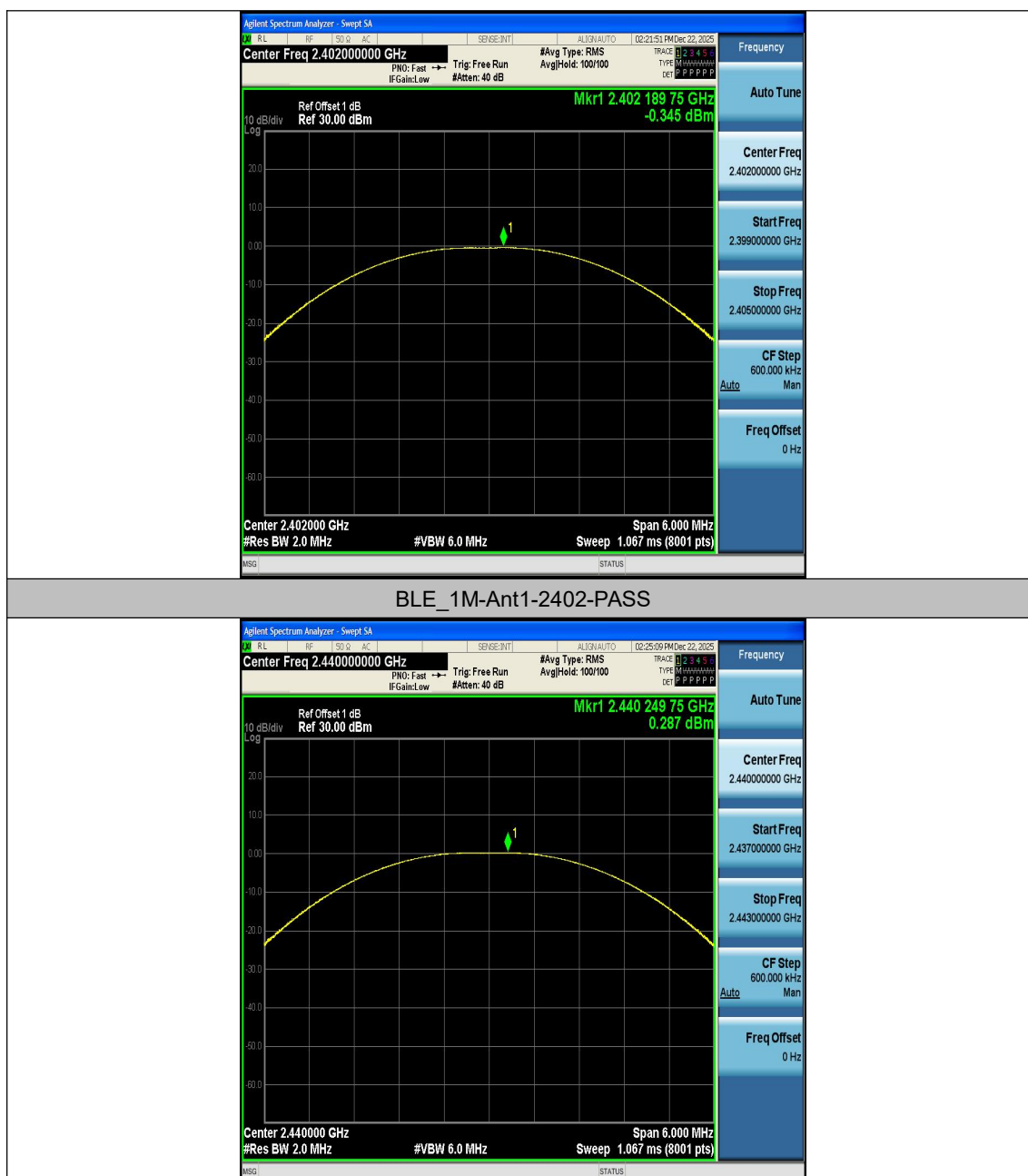
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.35	≤30	PASS
BLE_1M	Ant1	2440	0.29	≤30	PASS
BLE_1M	Ant1	2480	1.07	≤30	PASS

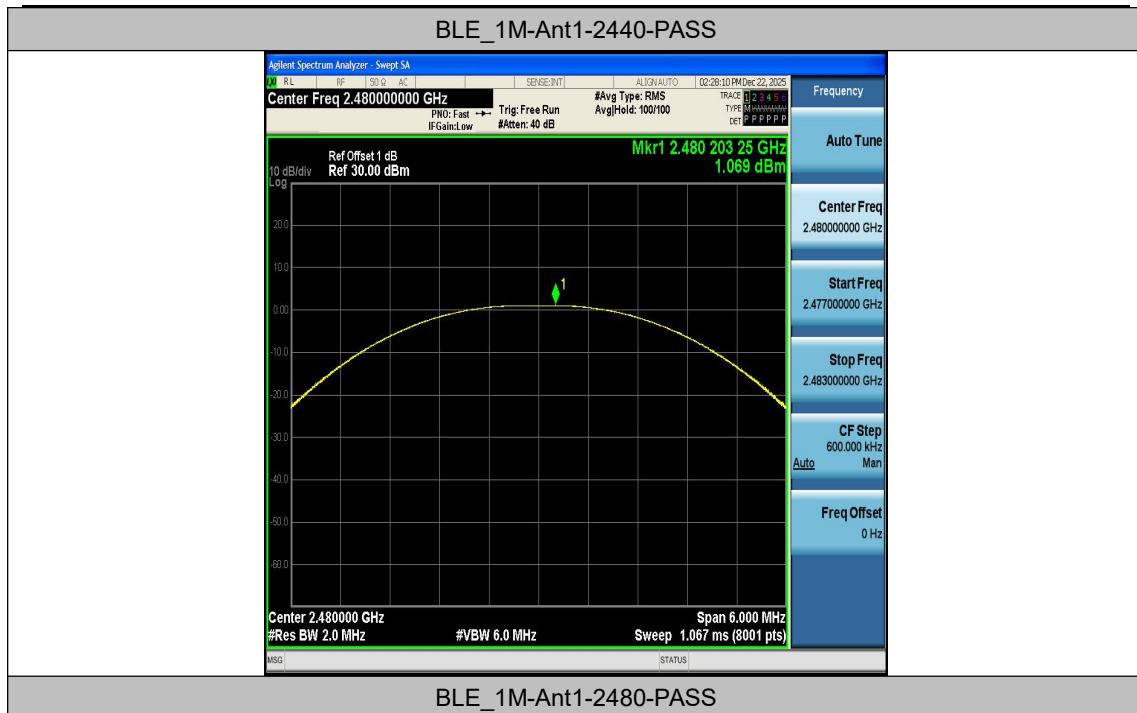
Test Graphs Peak



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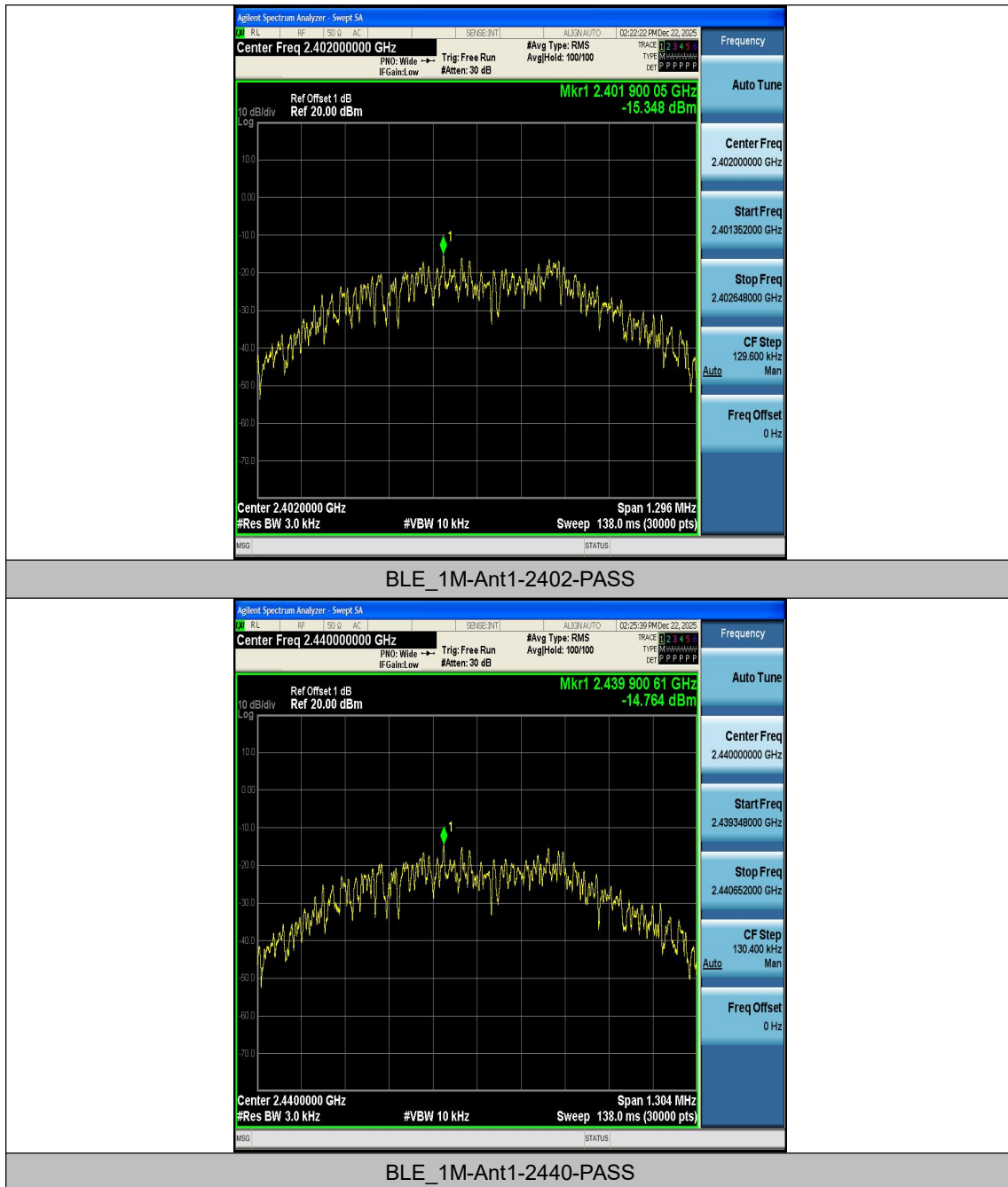
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.35	≤8.00	PASS
BLE_1M	Ant1	2440	-14.76	≤8.00	PASS
BLE_1M	Ant1	2480	-13.32	≤8.00	PASS

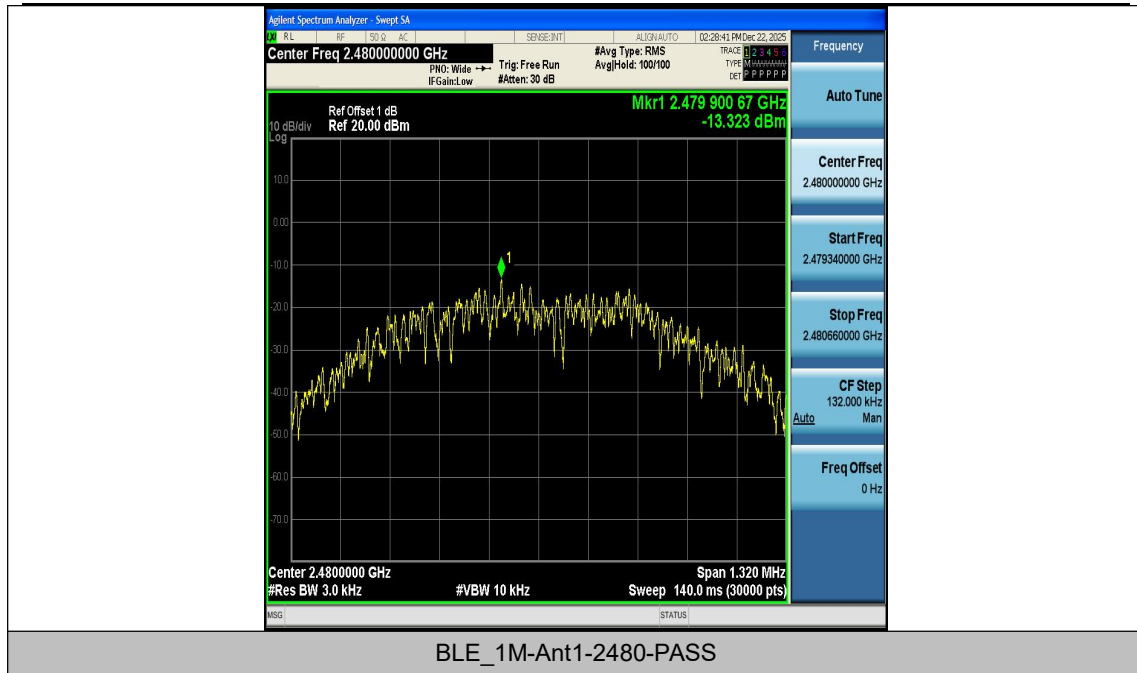
Test Graphs



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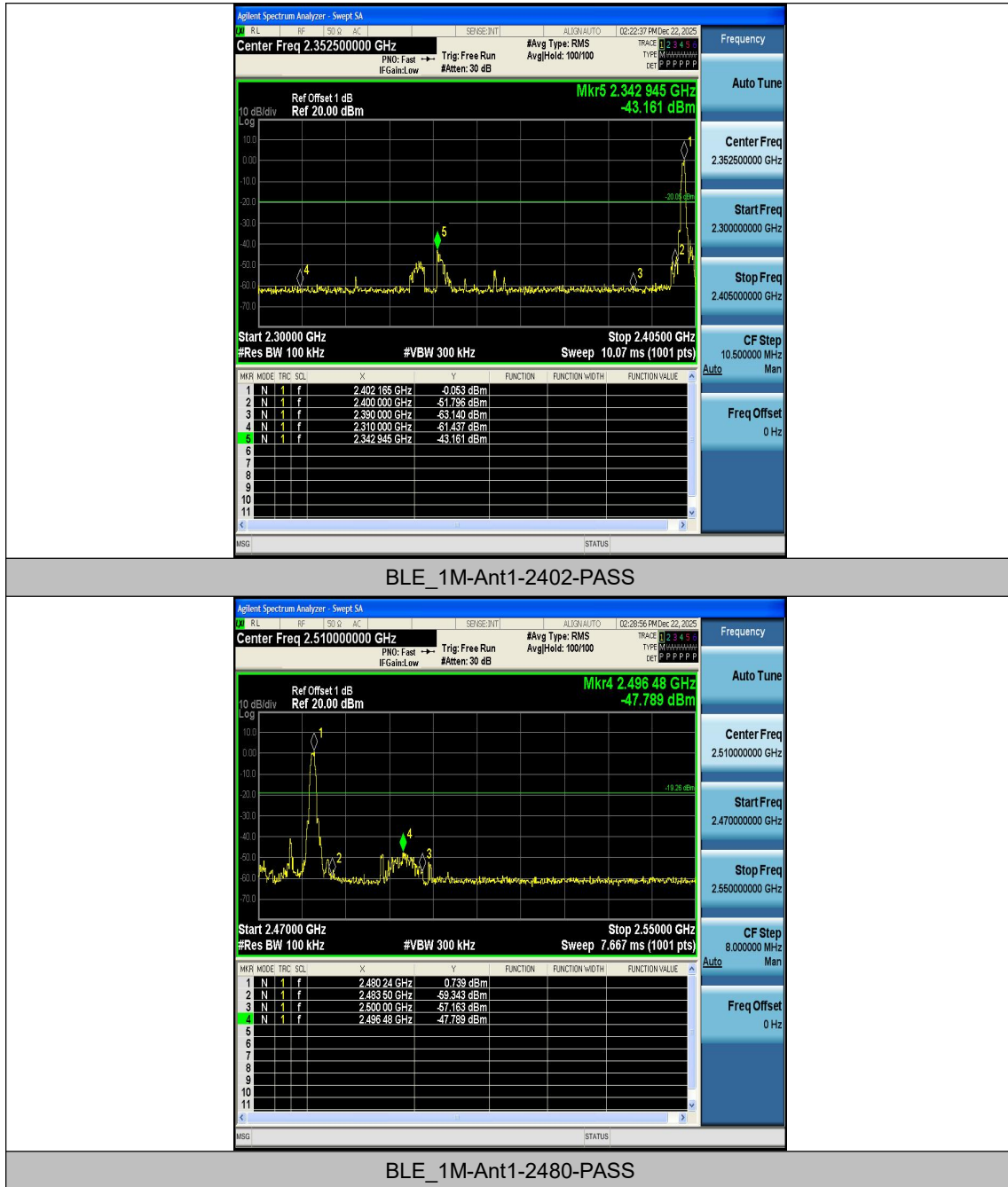
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.05	-43.16	≤-20.05	PASS
BLE_1M	Ant1	High	2480	0.74	-47.79	≤-19.26	PASS

Test Graphs



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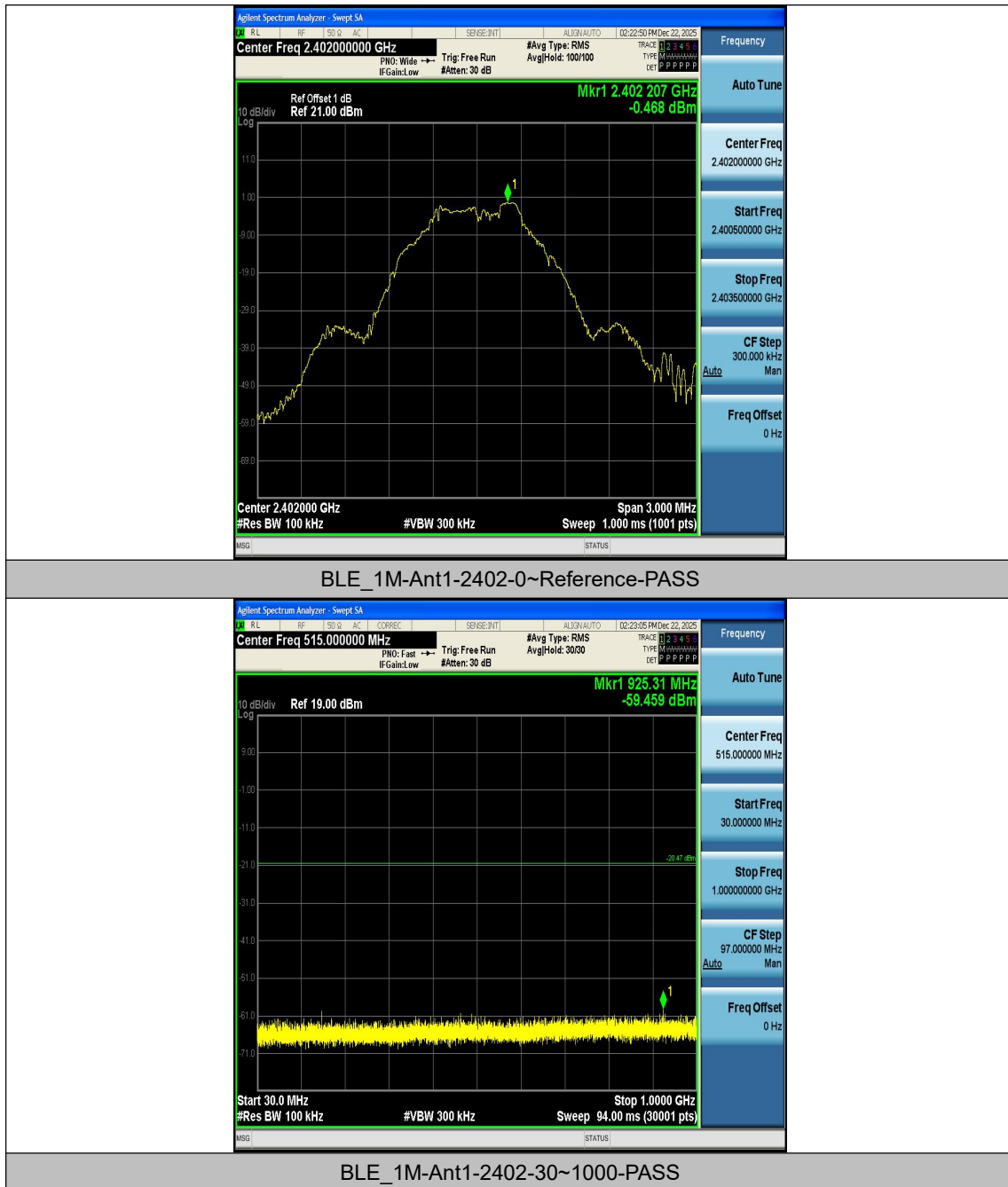
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.47	-0.47	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.47	-59.46	≤-20.47	PASS
BLE_1M	Ant1	2402	1000~26500	-0.47	-46.51	≤-20.47	PASS
BLE_1M	Ant1	2440	0~Reference	0.16	0.16	---	PASS
BLE_1M	Ant1	2440	30~1000	0.16	-59.53	≤-19.84	PASS
BLE_1M	Ant1	2440	1000~26500	0.16	-45.68	≤-19.84	PASS
BLE_1M	Ant1	2480	0~Reference	0.95	0.95	---	PASS
BLE_1M	Ant1	2480	30~1000	0.95	-47.08	≤-19.05	PASS
BLE_1M	Ant1	2480	1000~26500	0.95	-45.77	≤-19.05	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

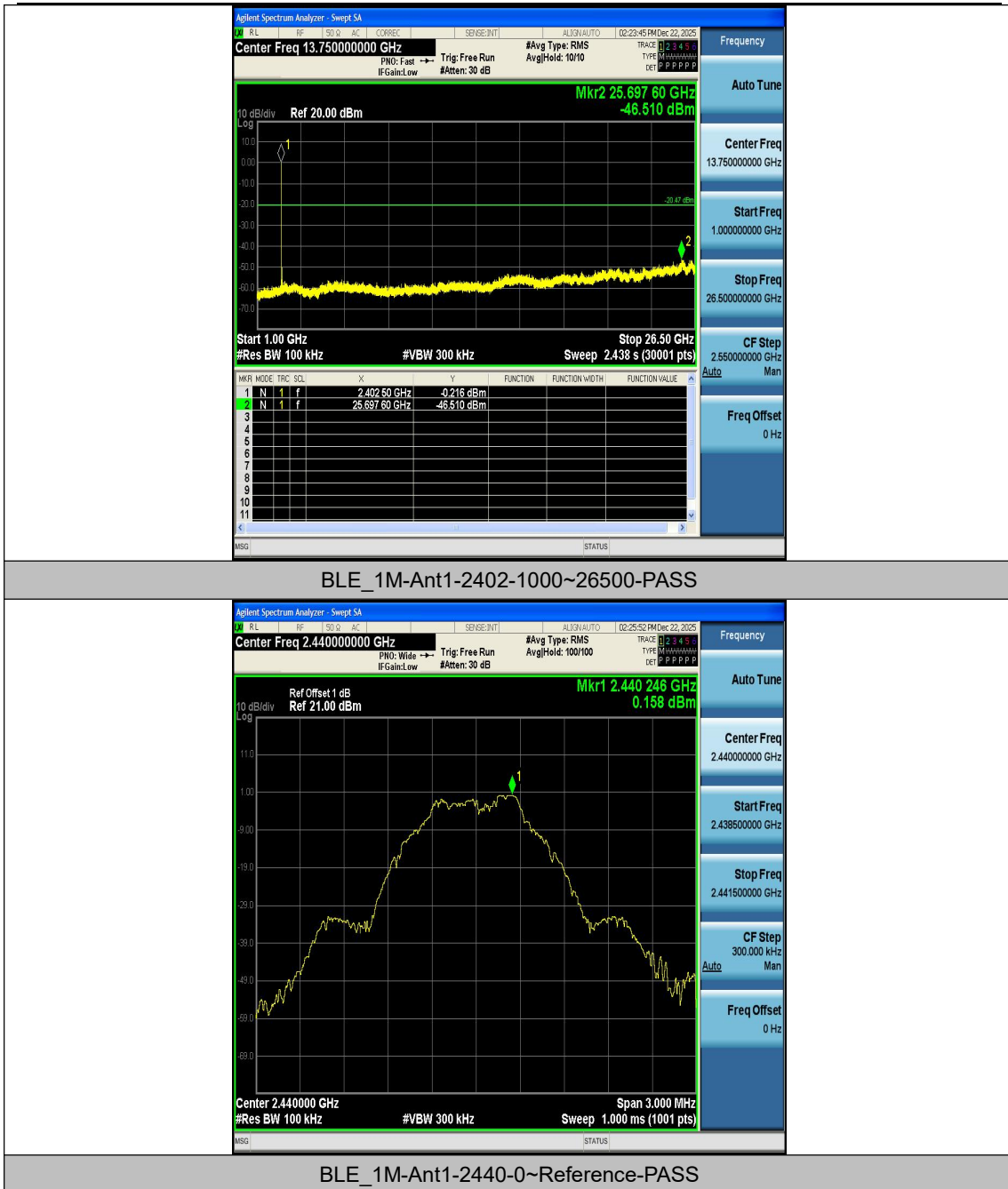
Test Graphs



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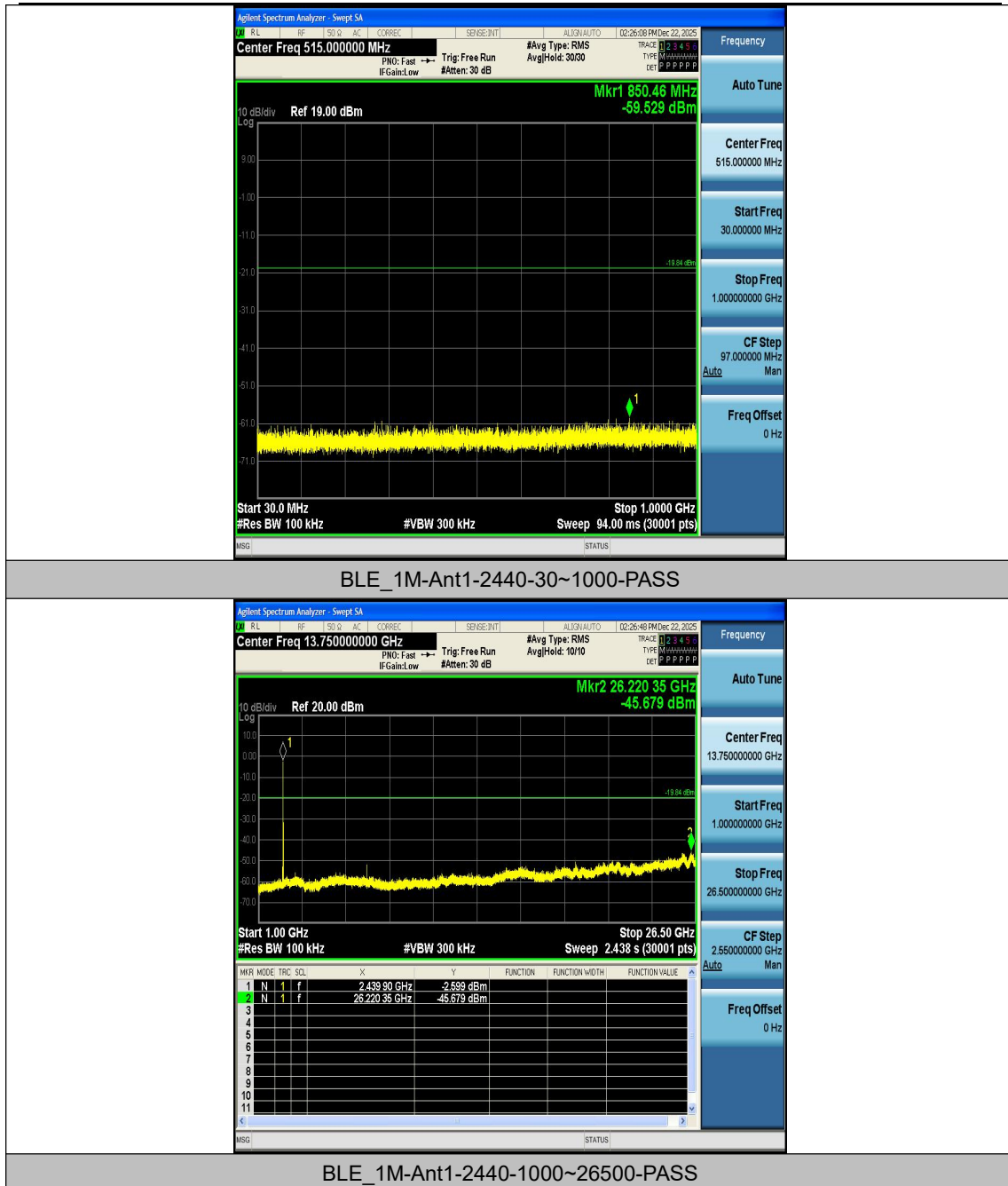
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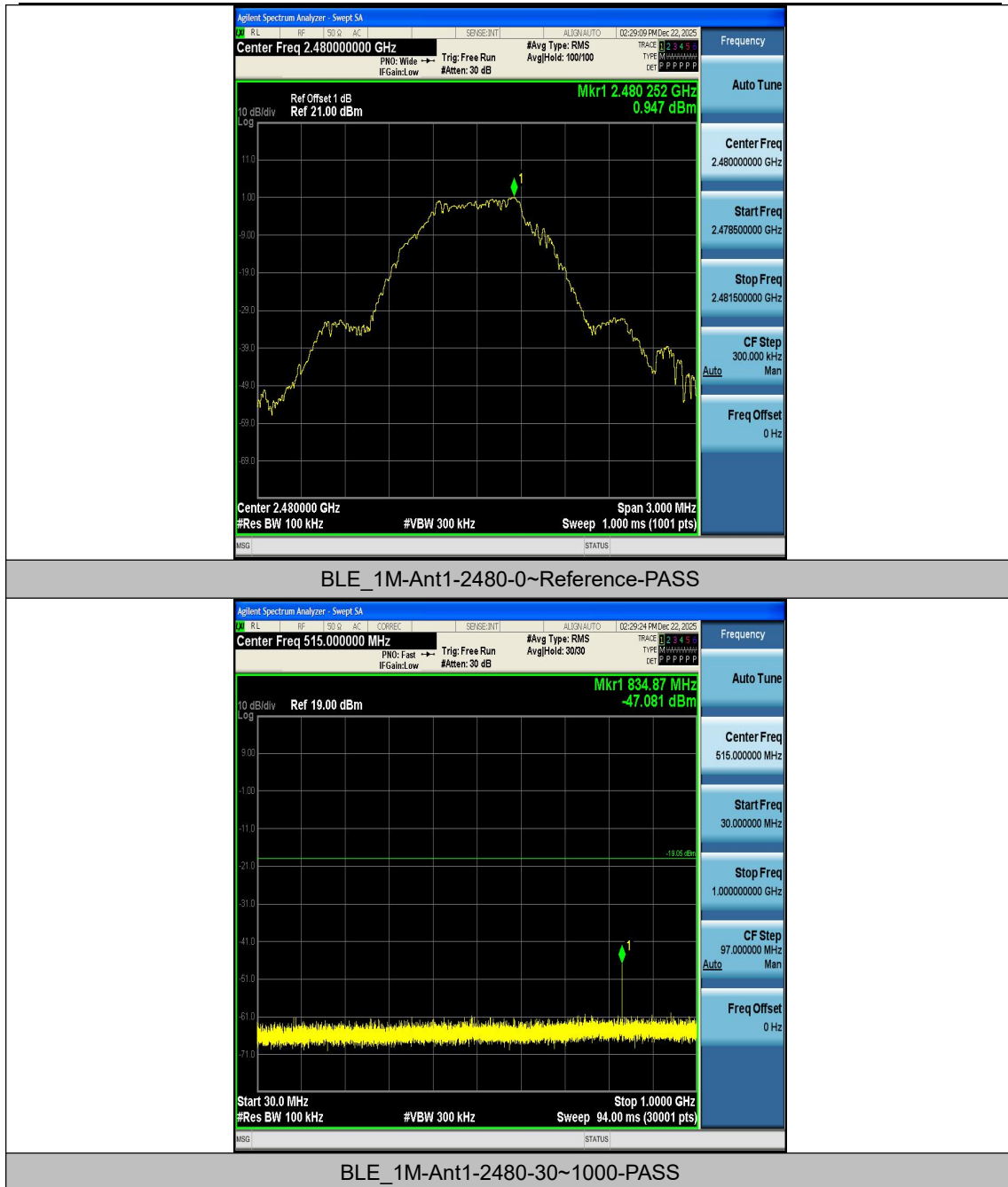
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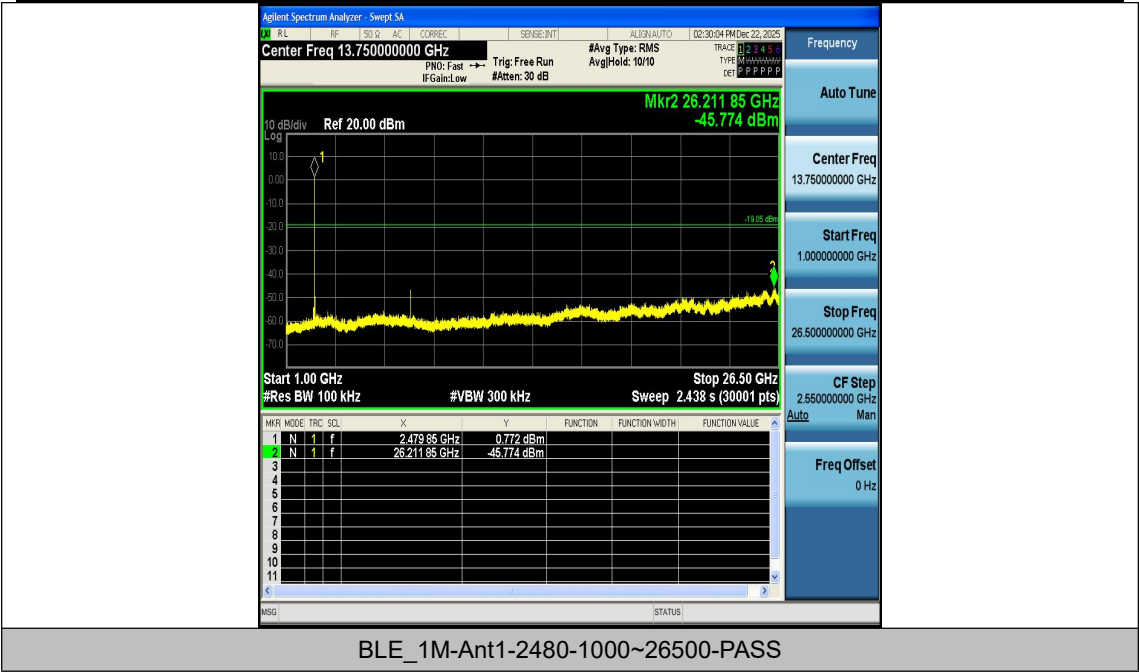
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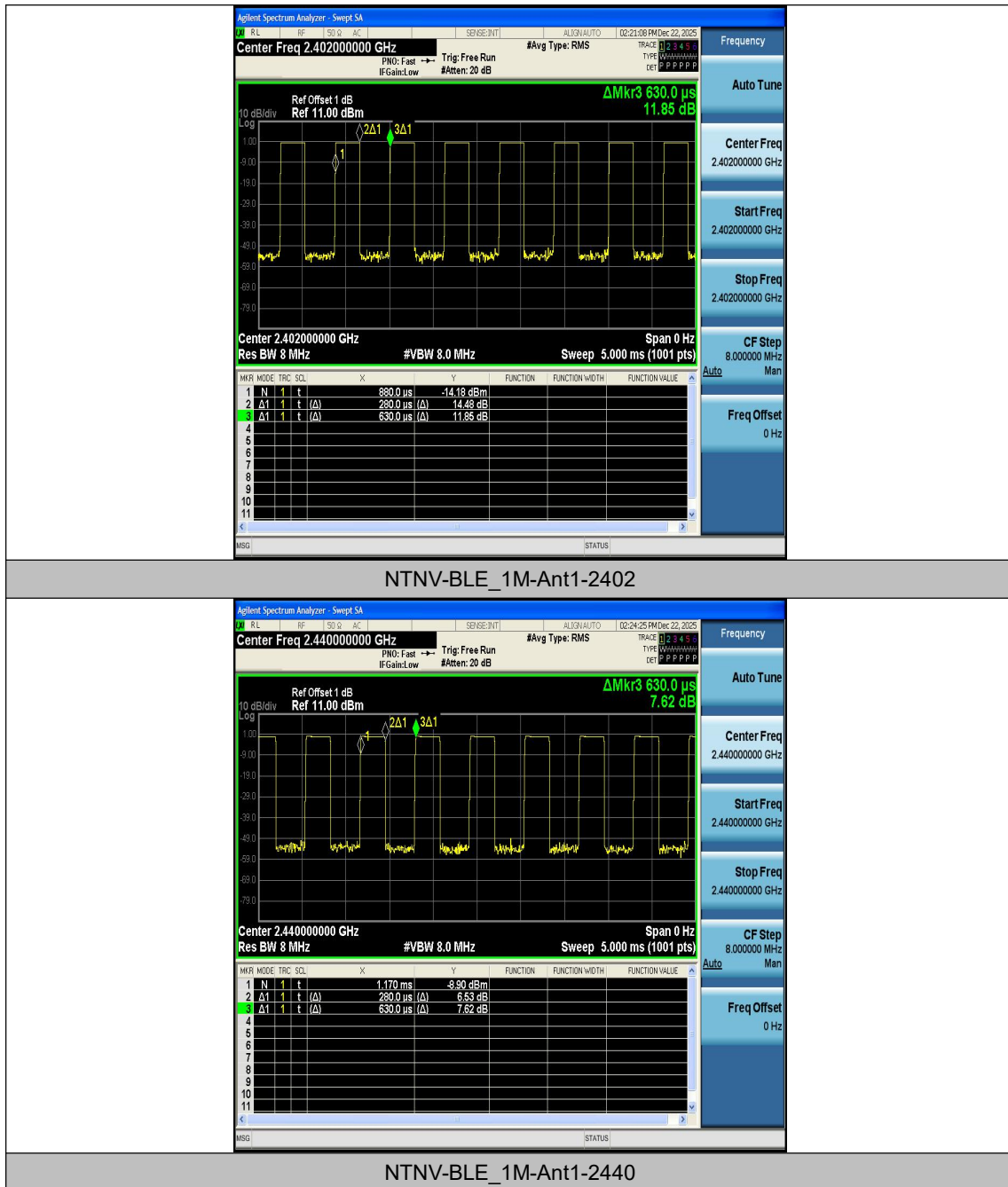
BLE_1M-Ant1-2480-1000~26500-PASS

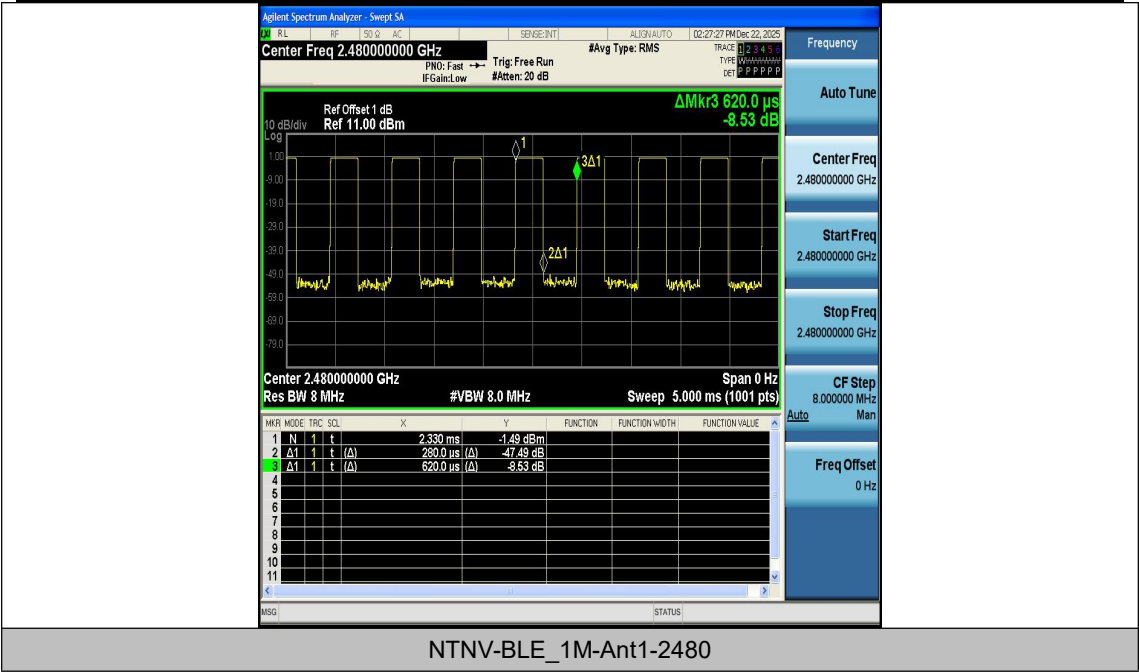
Appendix G: Duty Cycle

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	0.28	0.63	44.44	3.52
BLE_1M	Ant1	2480	0.28	0.62	45.16	3.45

Test Graphs





NTNV-BLE_1M-Ant1-2480

---End---