

Appendix Test Data

Report No.:	1814C50343612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-5	Finish Test Date:	2025-11-6
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.7°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	0.664	2401.676	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.660	2439.684	2440.344	0.5	PASS
BLE_1M	Ant1	2480	0.652	2479.688	2480.340	0.5	PASS

Test Graphs



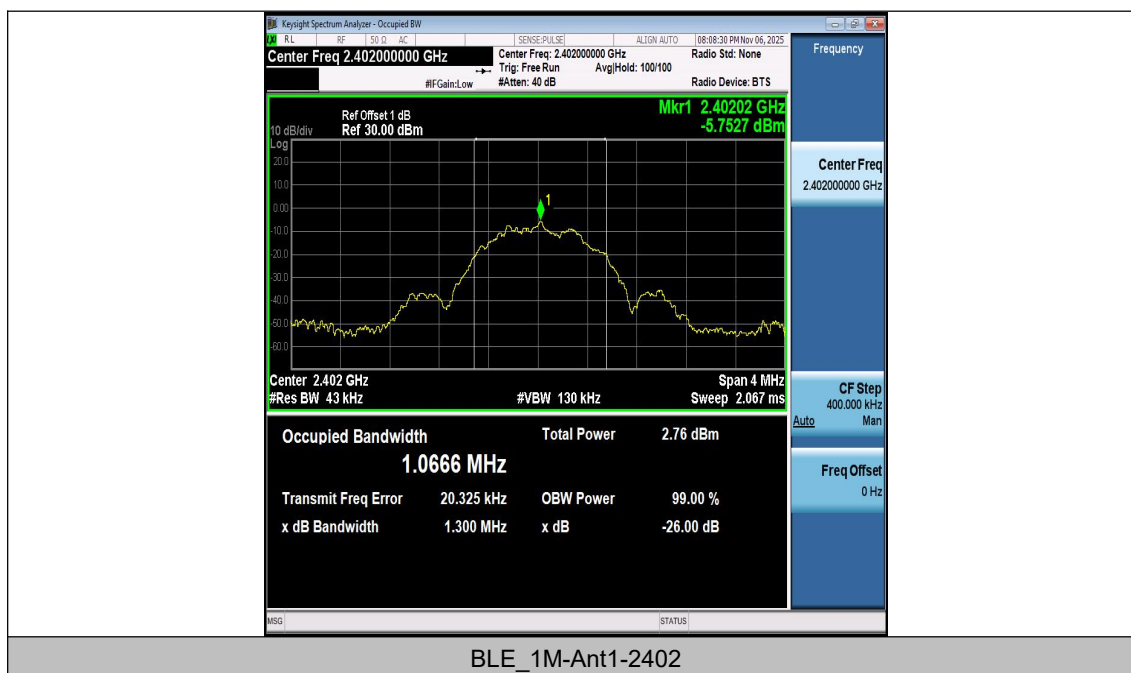


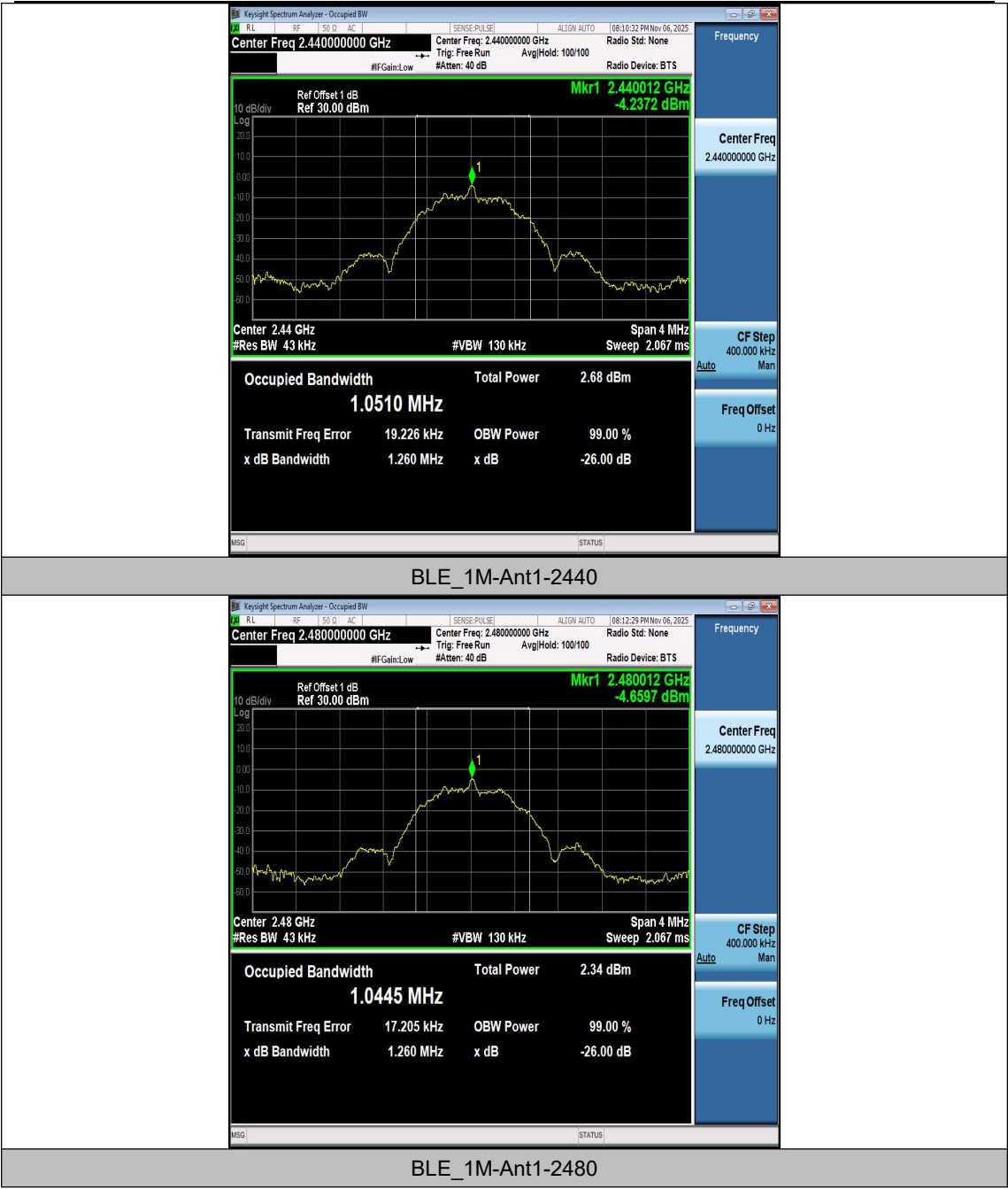
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0666	2401.4870	2402.5536	---	---
BLE_1M	Ant1	2440	1.0510	2439.4937	2440.5447	---	---
BLE_1M	Ant1	2480	1.0445	2479.4950	2480.5395	---	---

Test Graphs



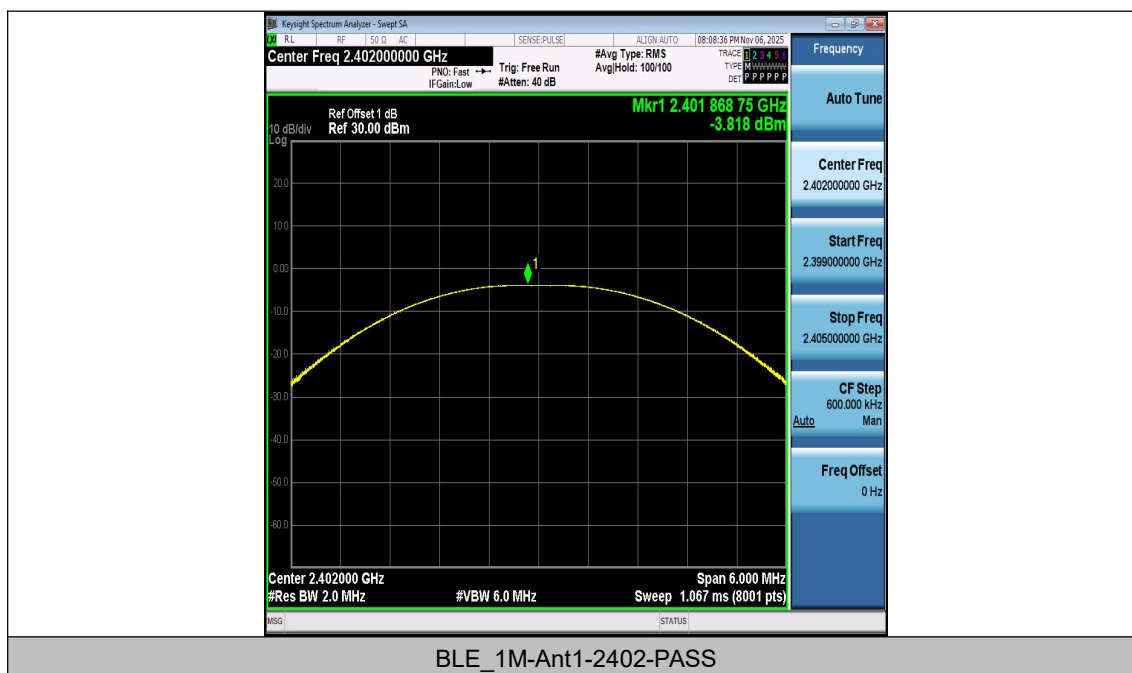


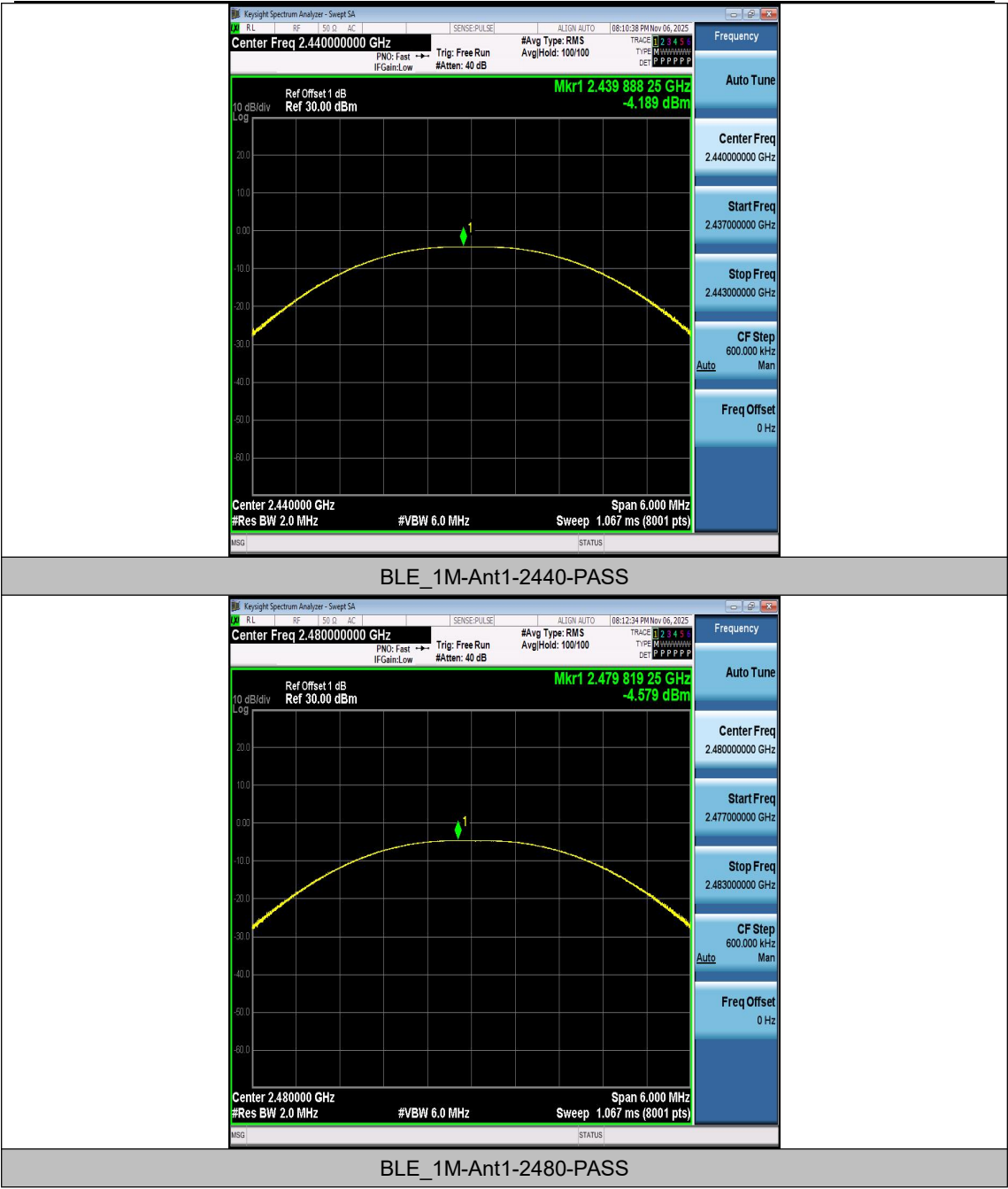
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.82	≤30	PASS
BLE_1M	Ant1	2440	-4.19	≤30	PASS
BLE_1M	Ant1	2480	-4.58	≤30	PASS

Test Graphs Peak



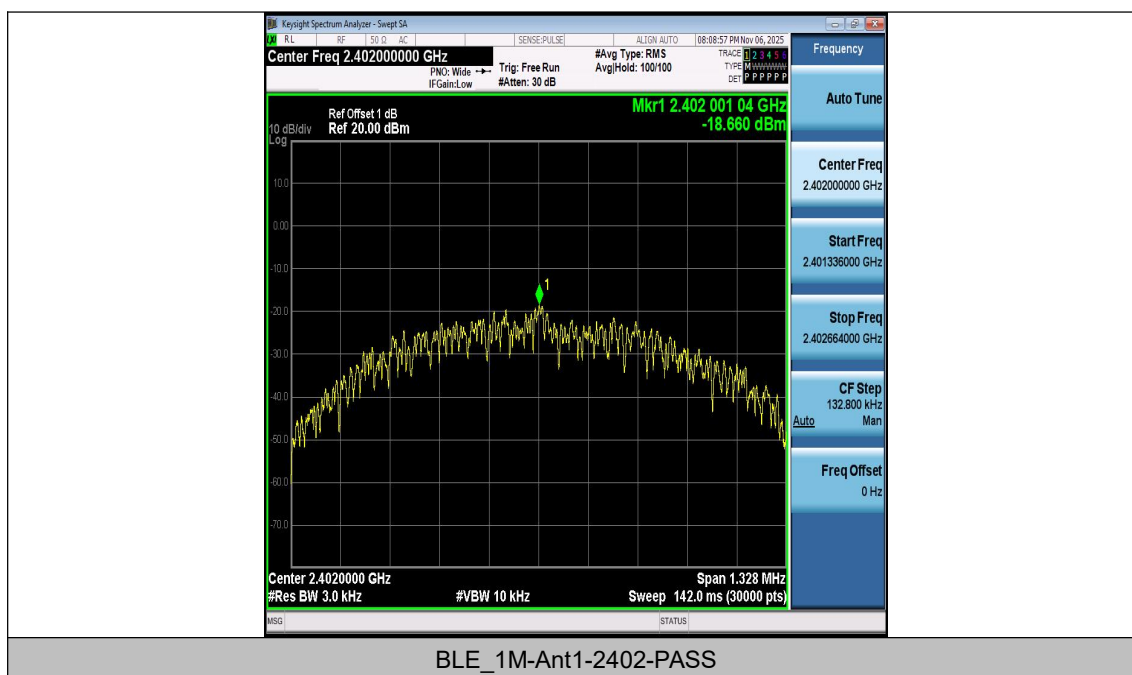


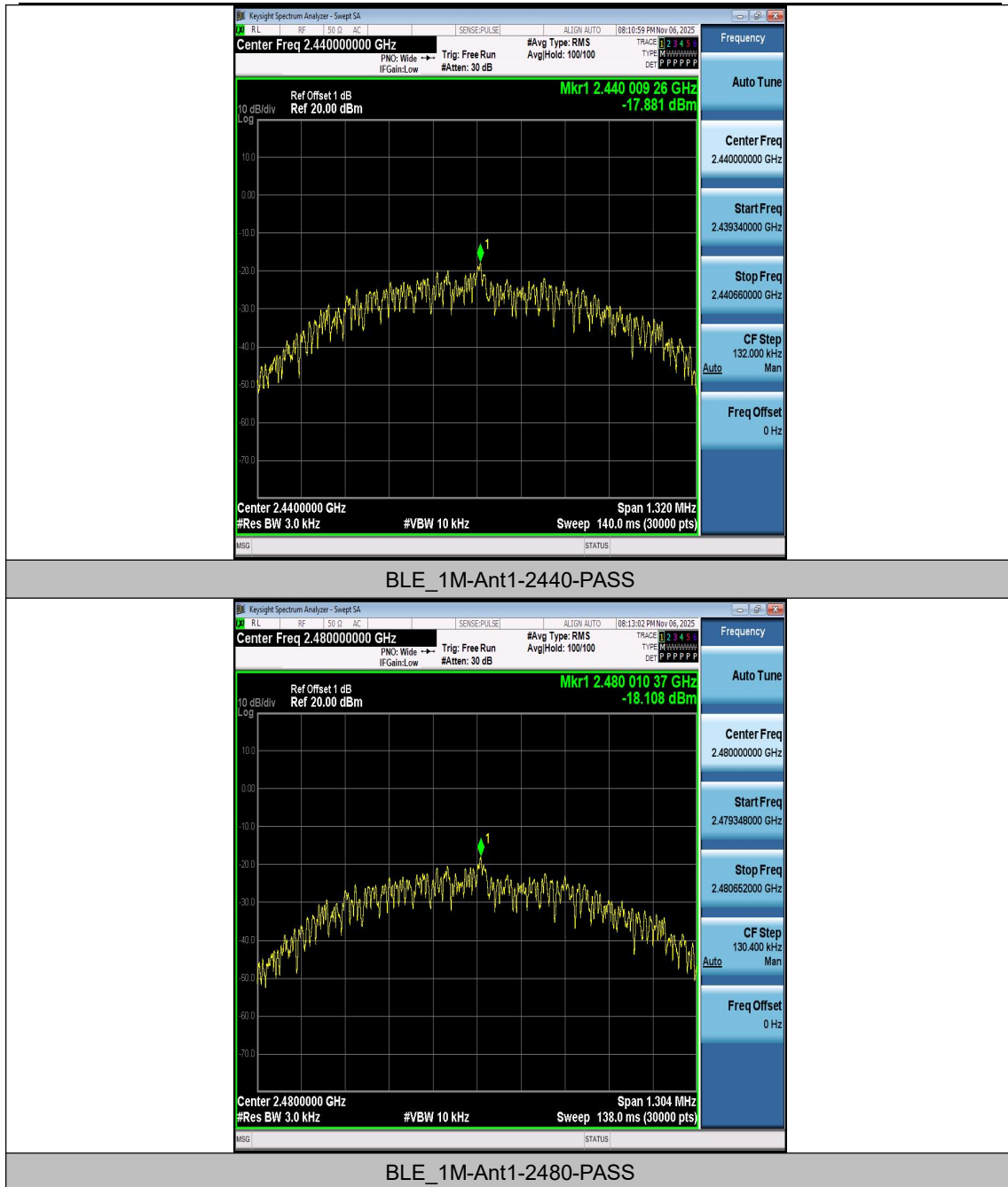
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.66	≤8.00	PASS
BLE_1M	Ant1	2440	-17.88	≤8.00	PASS
BLE_1M	Ant1	2480	-18.11	≤8.00	PASS

Test Graphs





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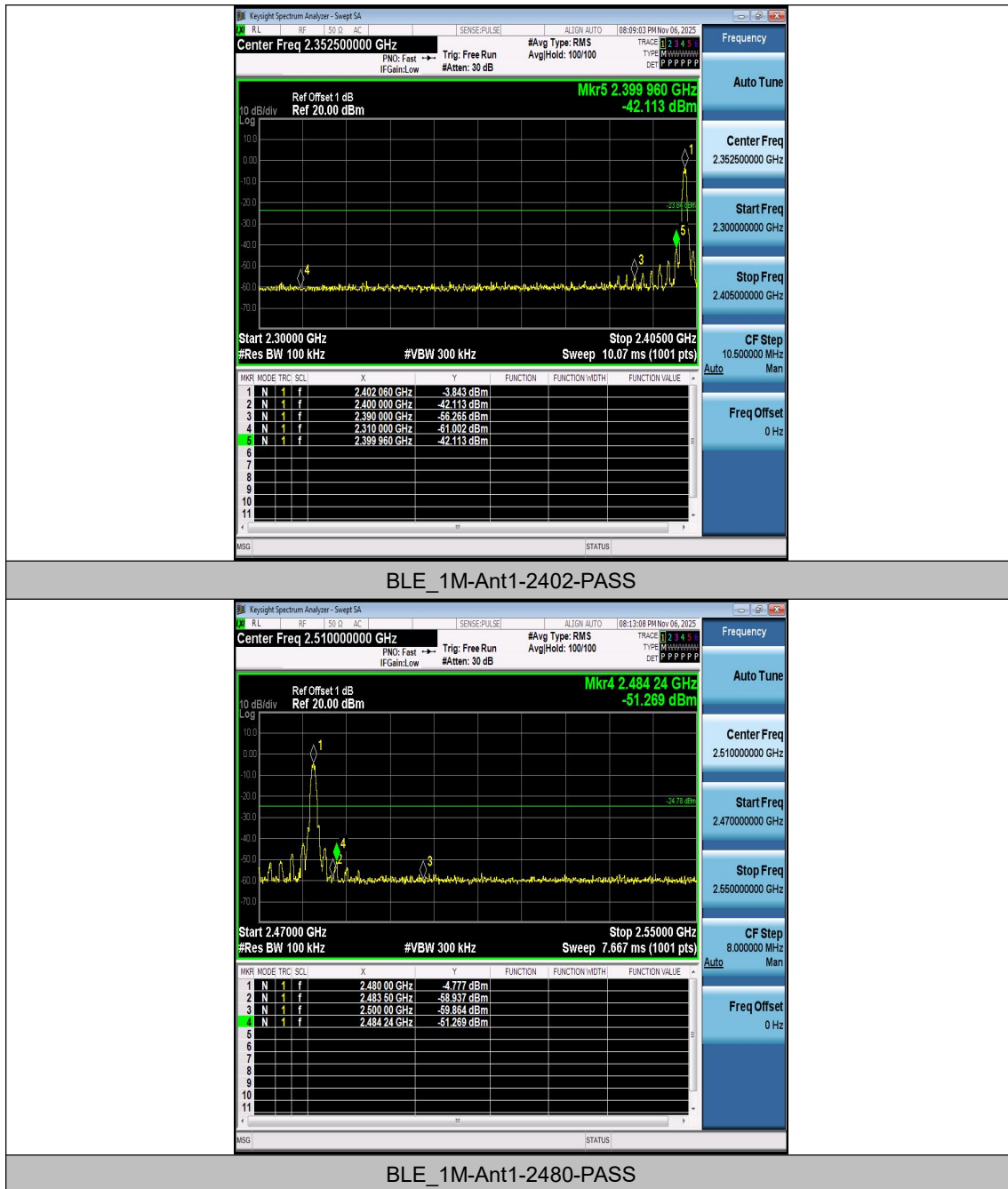
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.84	-42.11	≤-23.84	PASS
BLE_1M	Ant1	High	2480	-4.78	-51.27	≤-24.78	PASS

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

Test Graphs



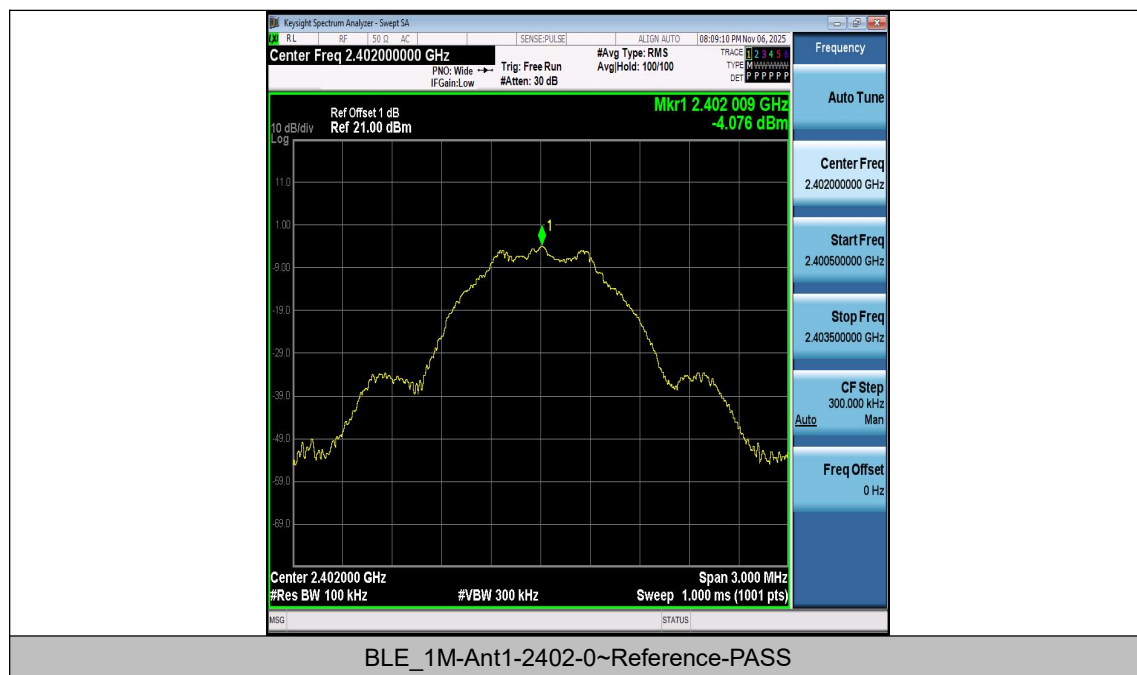
Appendix F: Conducted Spurious Emission

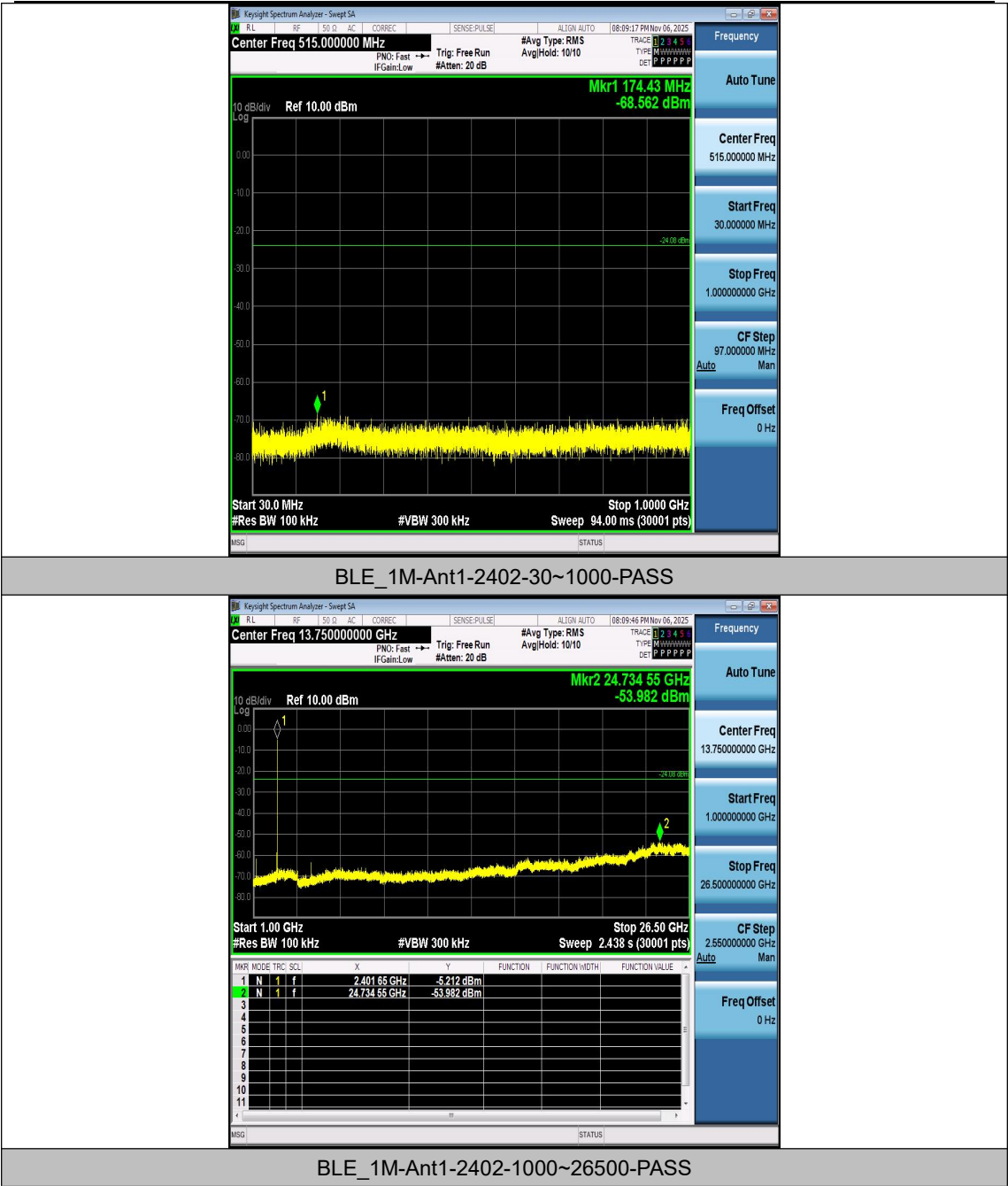
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-4.08	-4.08	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.08	-68.56	≤-24.08	PASS
BLE_1M	Ant1	2402	1000~26500	-4.08	-53.98	≤-24.08	PASS
BLE_1M	Ant1	2440	0~Reference	-4.39	-4.39	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.39	-68.48	≤-24.39	PASS
BLE_1M	Ant1	2440	1000~26500	-4.39	-53.57	≤-24.39	PASS
BLE_1M	Ant1	2480	0~Reference	-4.81	-4.81	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.81	-68.64	≤-24.81	PASS
BLE_1M	Ant1	2480	1000~26500	-4.81	-53.62	≤-24.81	PASS

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

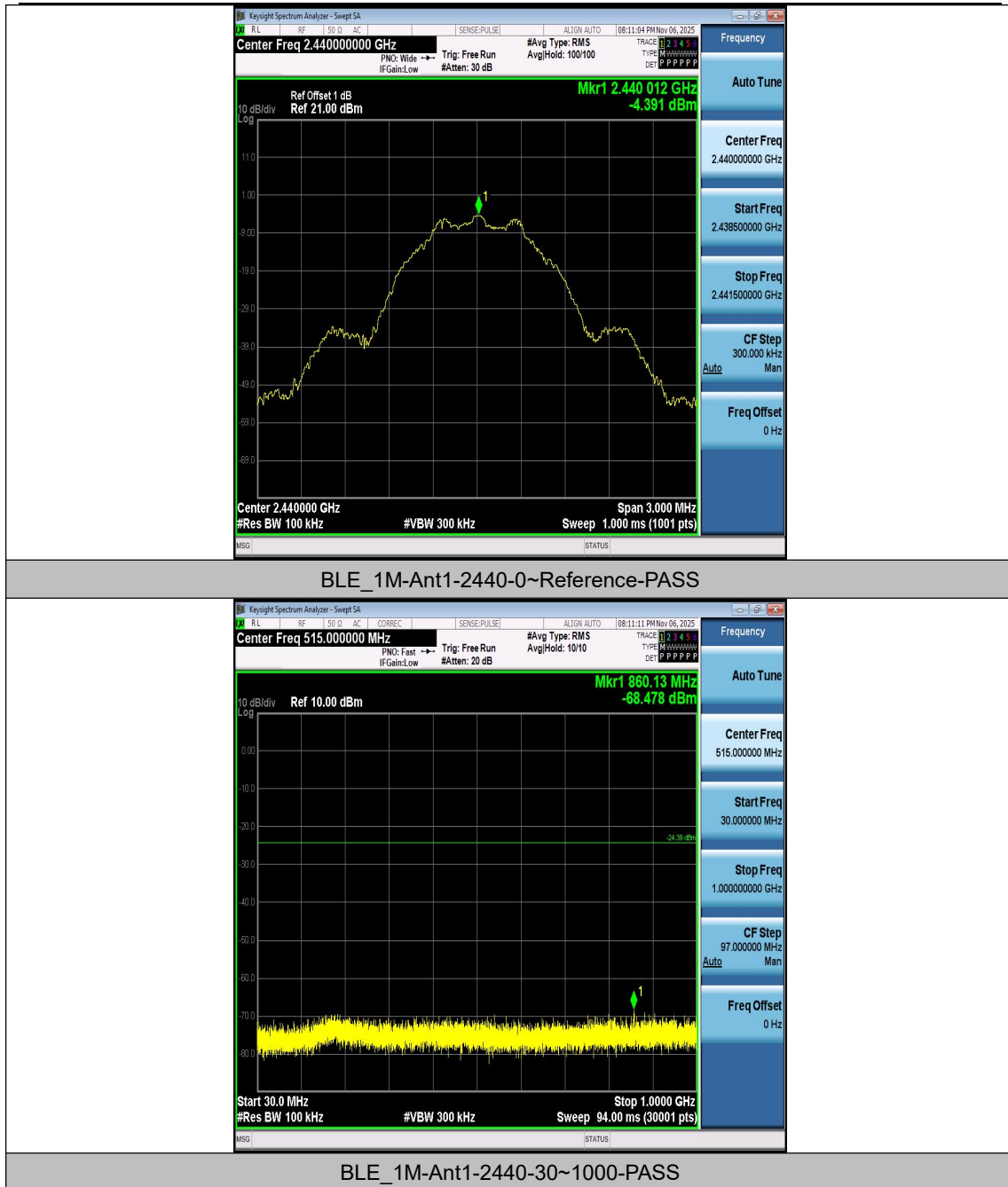
Test Graphs





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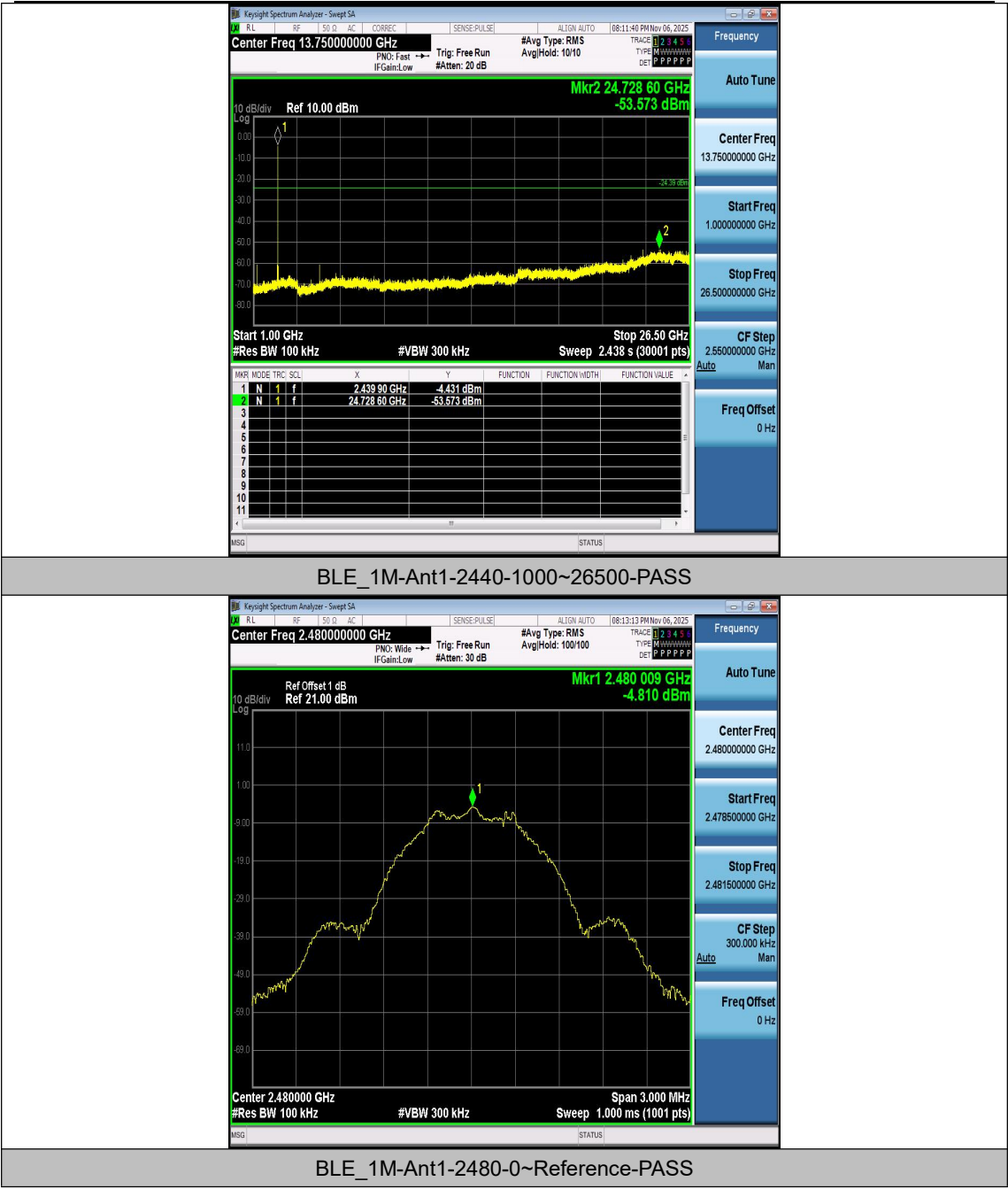
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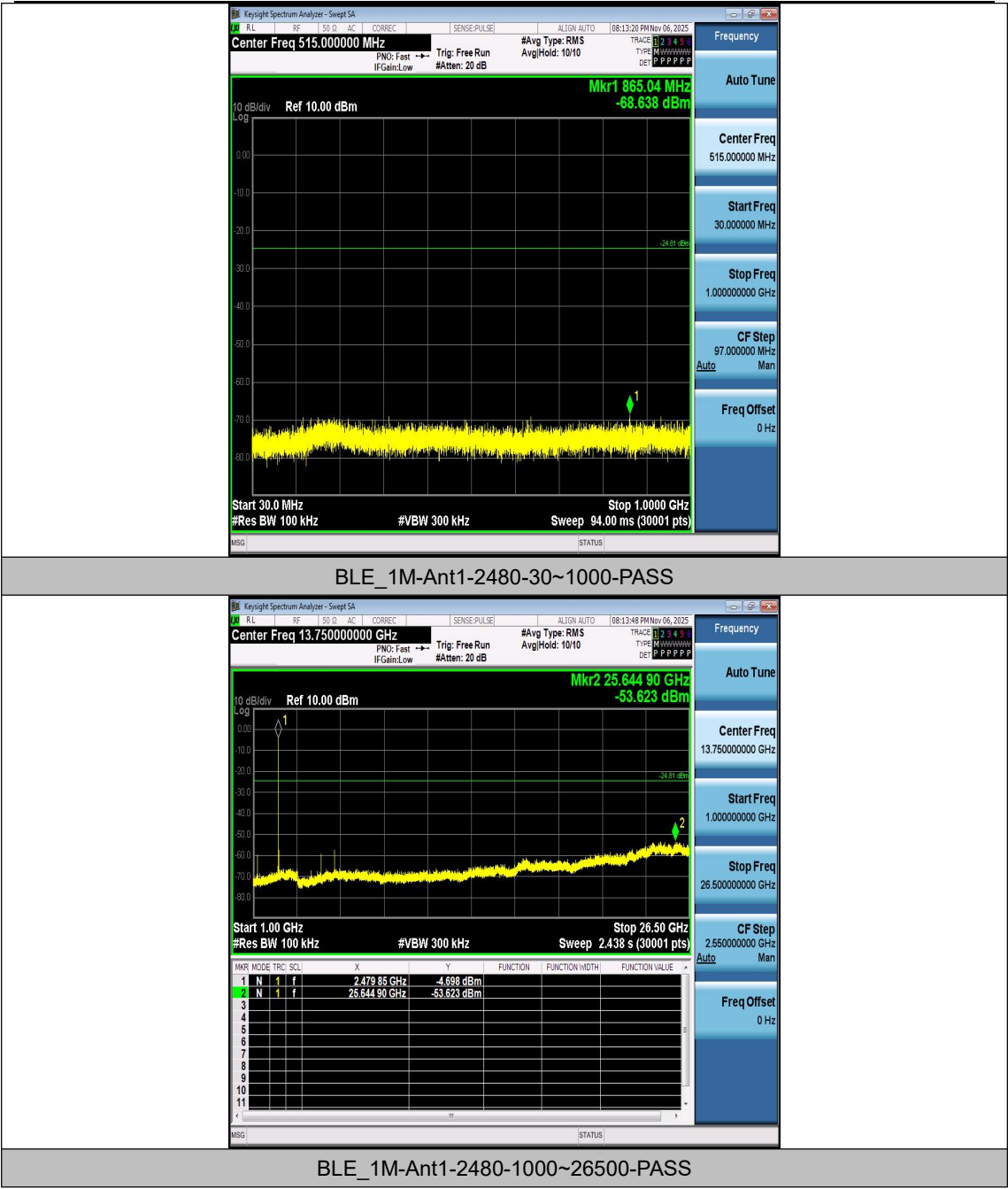
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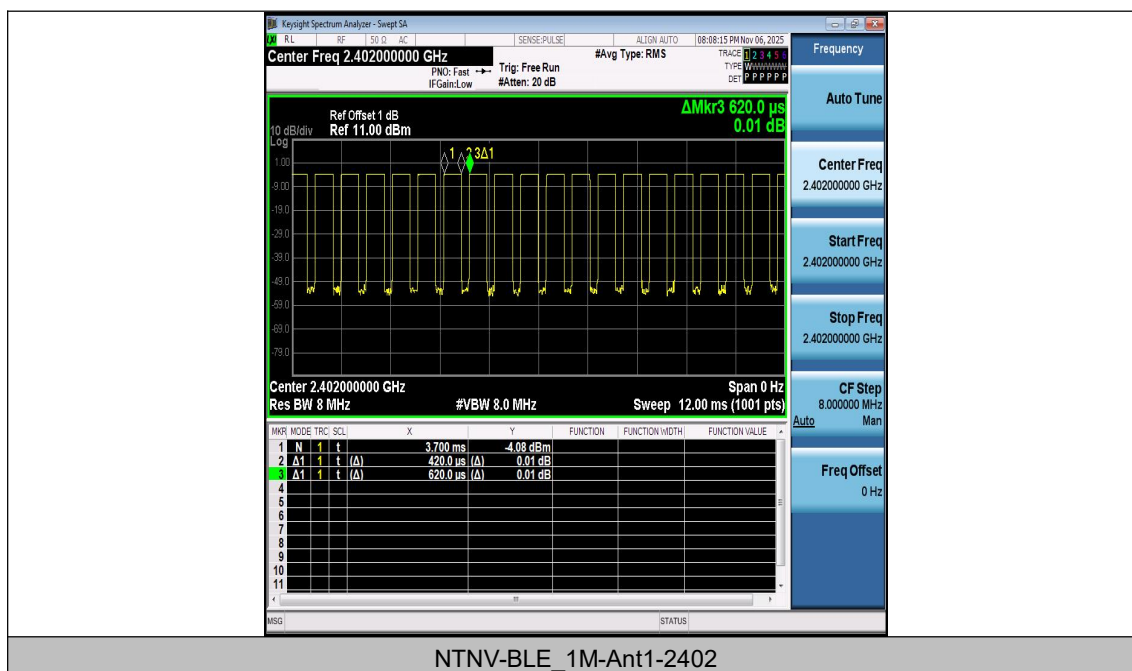
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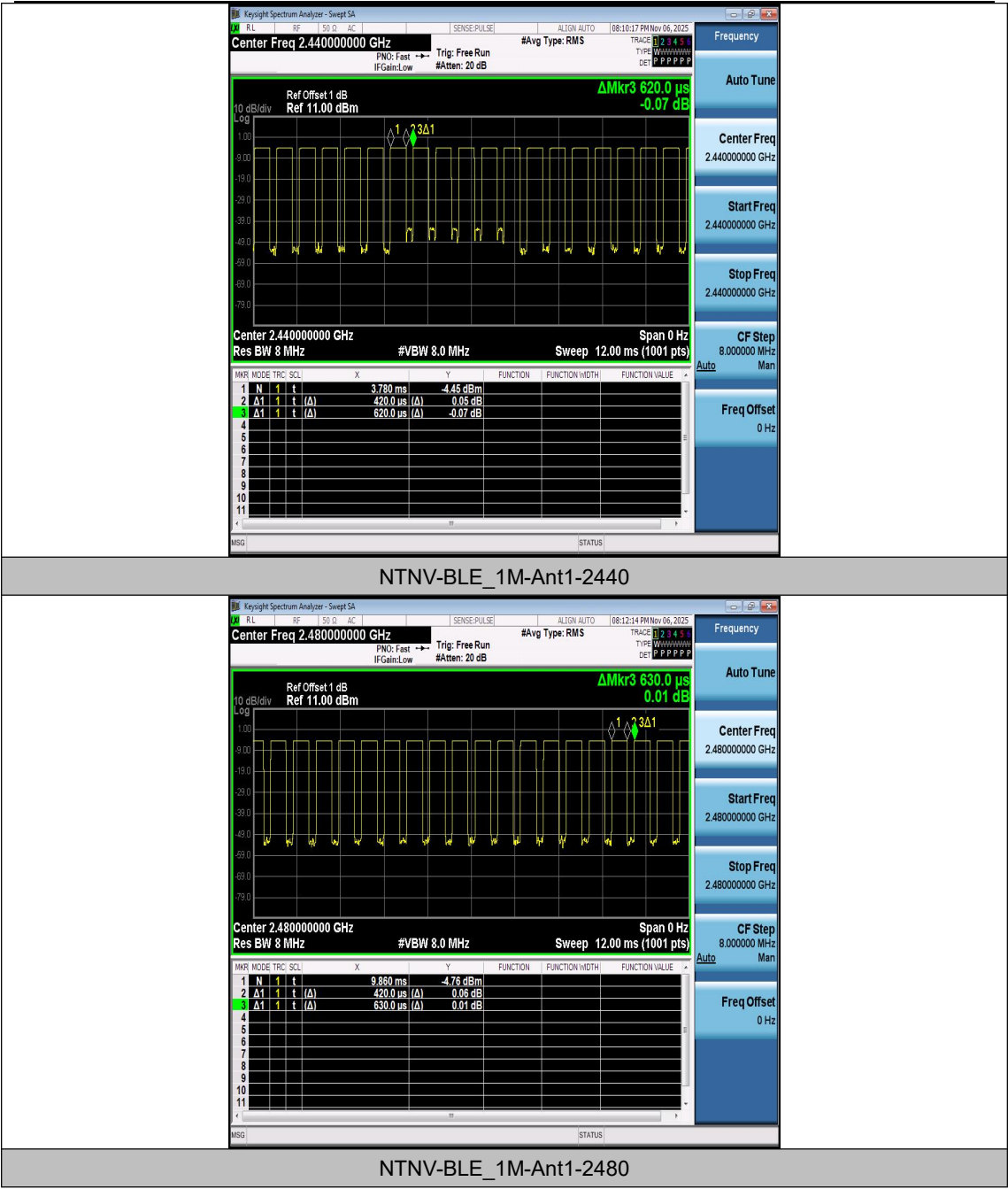
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	0.62	67.74	1.69
BLE_1M	Ant1	2440	0.42	0.62	67.74	1.69
BLE_1M	Ant1	2480	0.42	0.63	66.67	1.76

Test Graphs





---End---