

Appendix Test Data

Report No.:	1814C50370712501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-27	Finish Test Date:	2025-11-28
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23°C	Relative Humidity:	33%
Pressure:	101kPa		

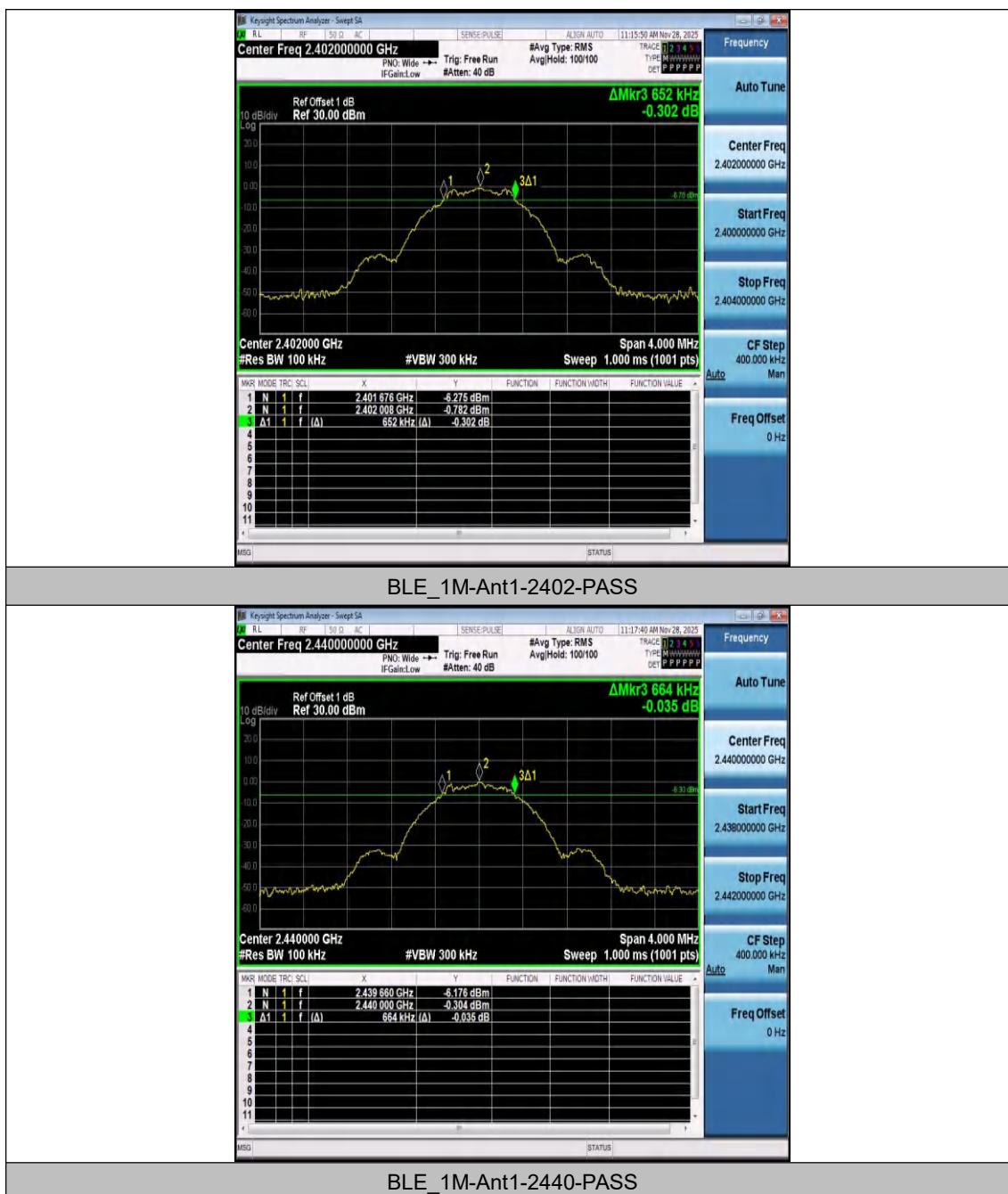


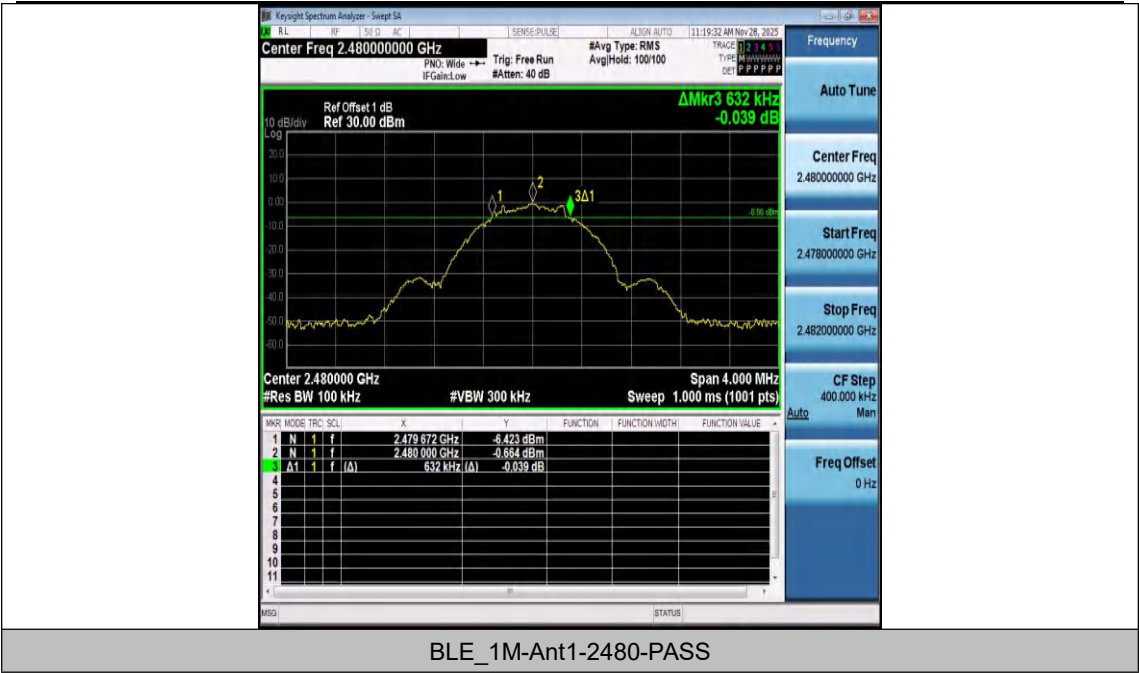
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.676	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.660	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.632	2479.672	2480.304	0.5	PASS

Test Graphs





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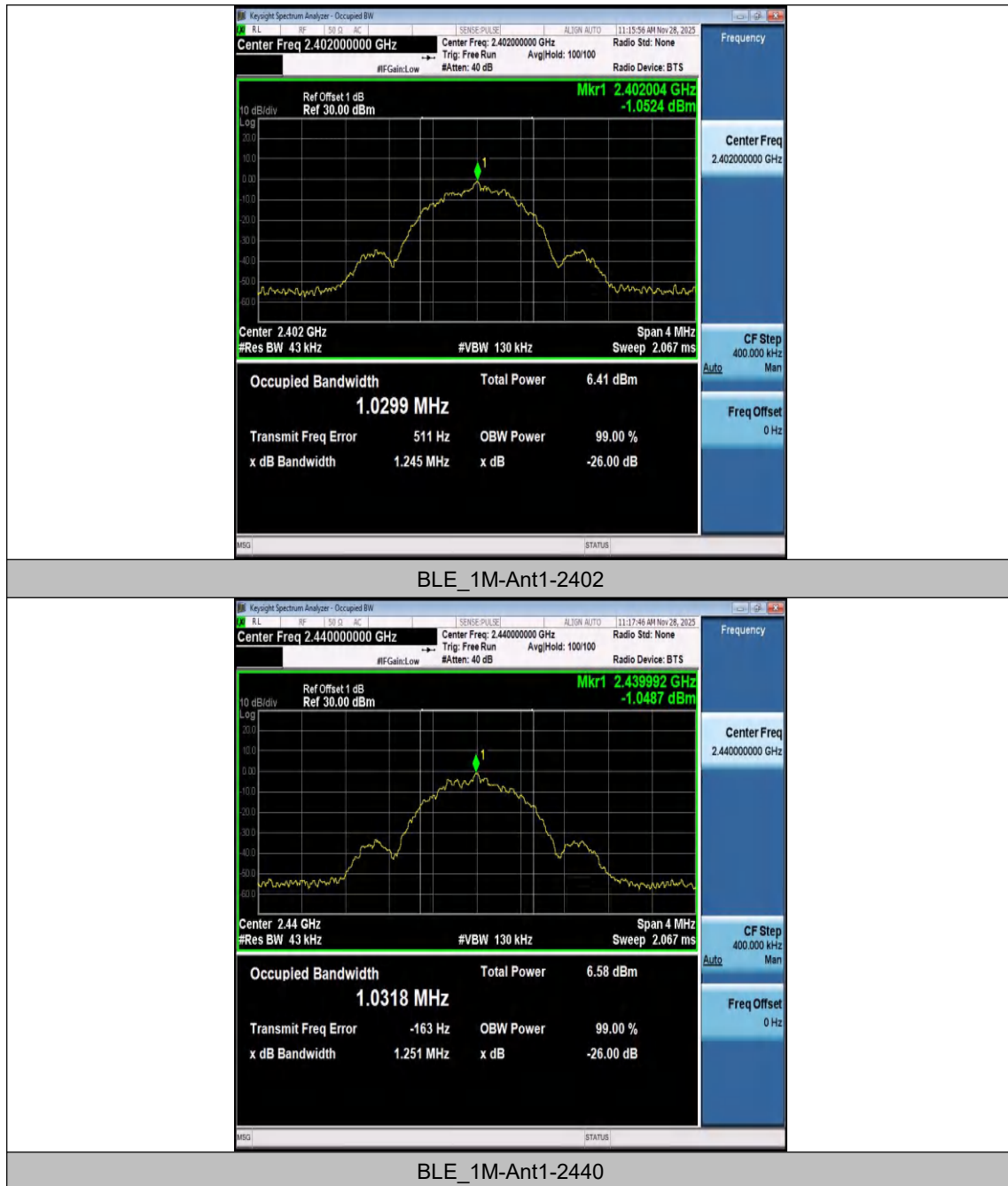
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0299	2401.4856	2402.5155	---	---
BLE_1M	Ant1	2440	1.0318	2439.4839	2440.5157	---	---
BLE_1M	Ant1	2480	1.0331	2479.4809	2480.5140	---	---

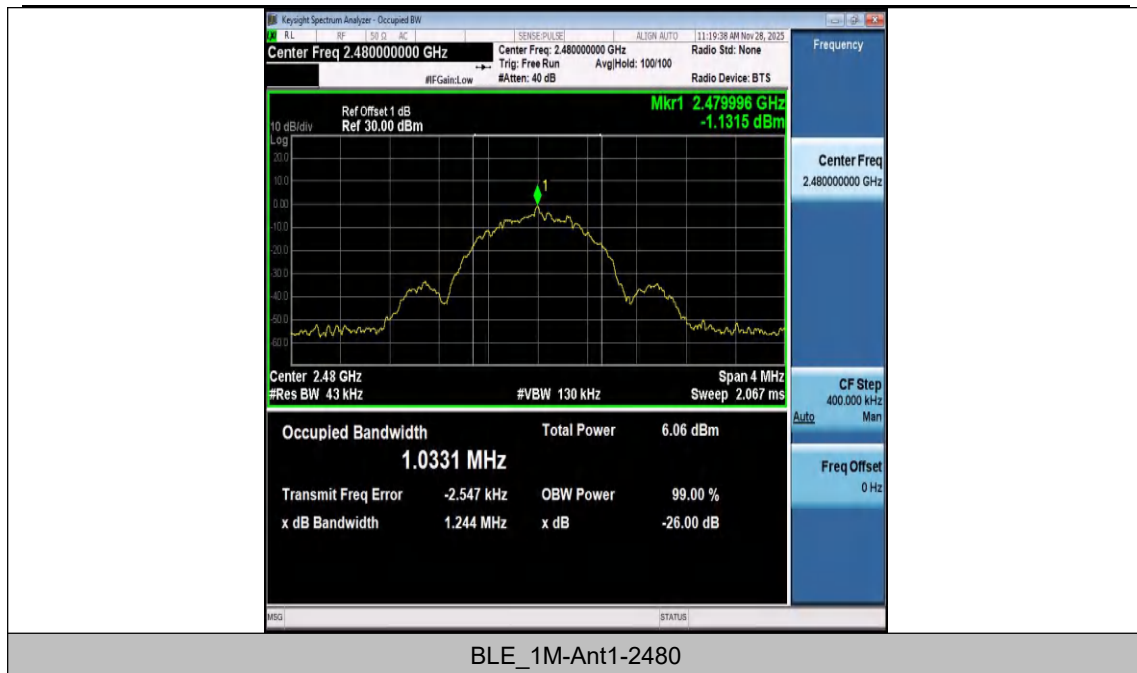
Test Graphs



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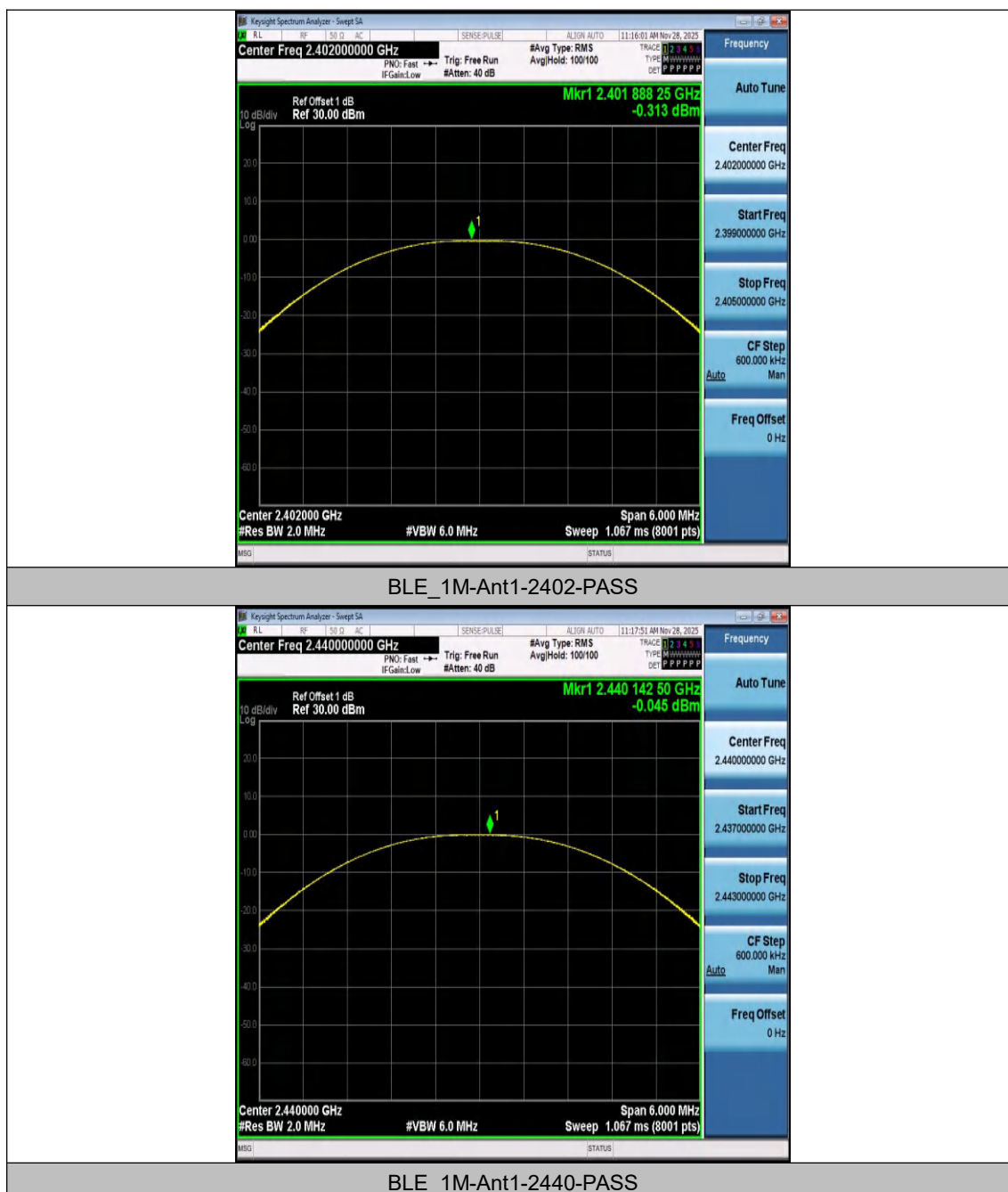
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.31	≤30	PASS
BLE_1M	Ant1	2440	-0.05	≤30	PASS
BLE_1M	Ant1	2480	-0.41	≤30	PASS

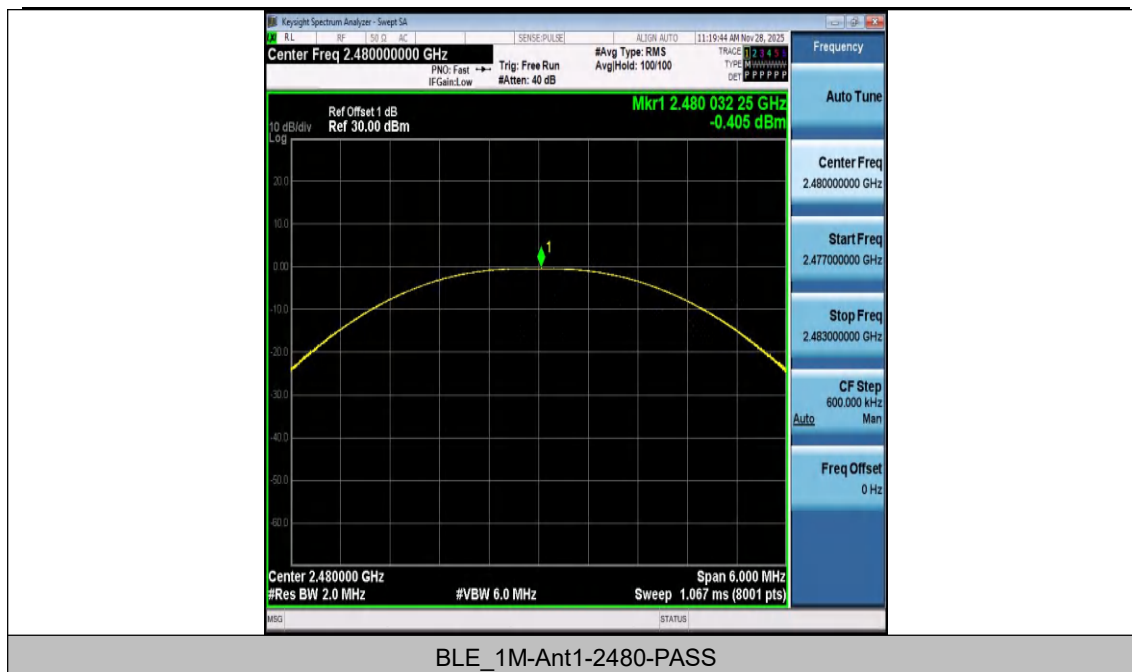
Test Graphs Peak



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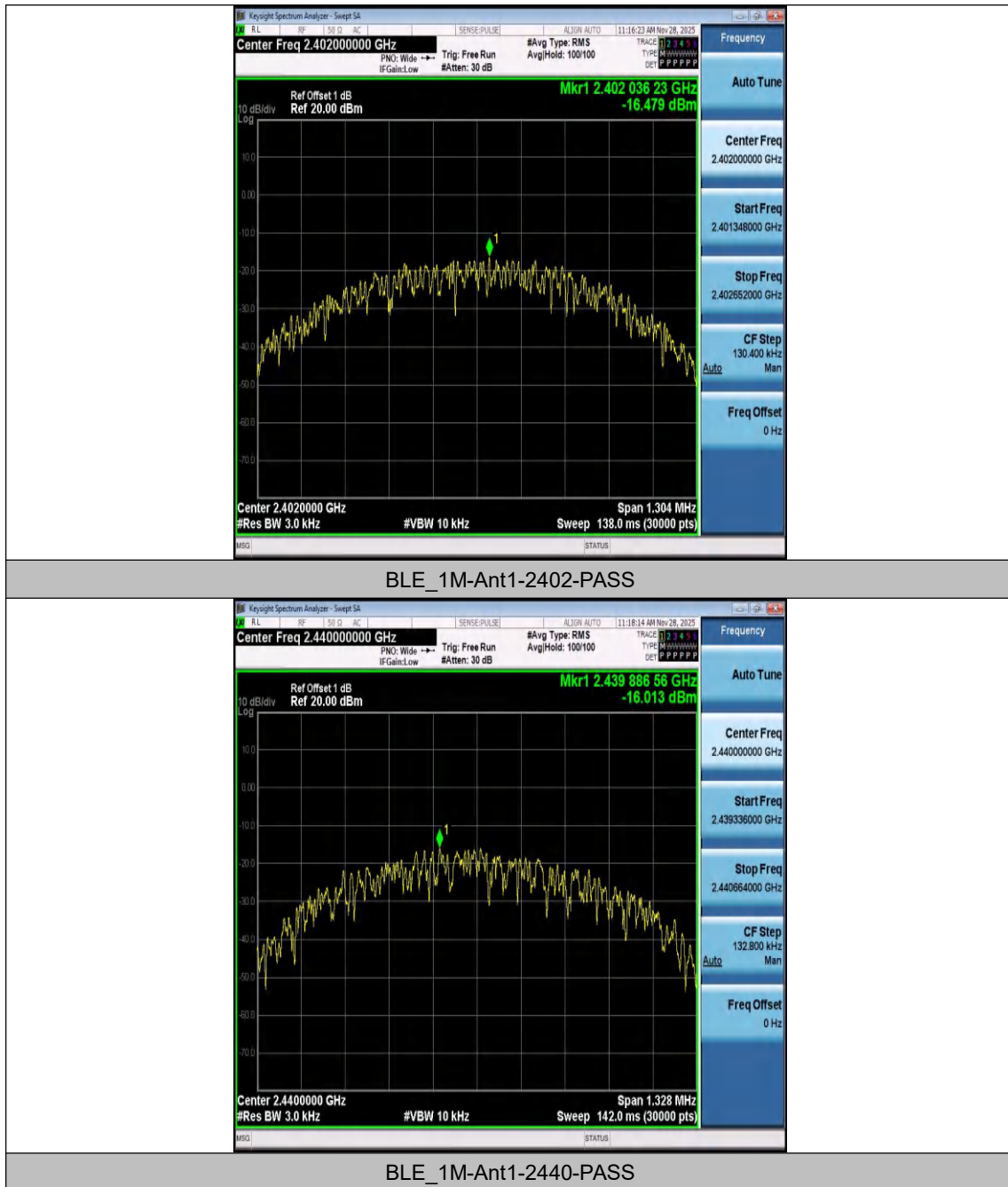
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.48	≤8.00	PASS
BLE_1M	Ant1	2440	-16.01	≤8.00	PASS
BLE_1M	Ant1	2480	-14.81	≤8.00	PASS

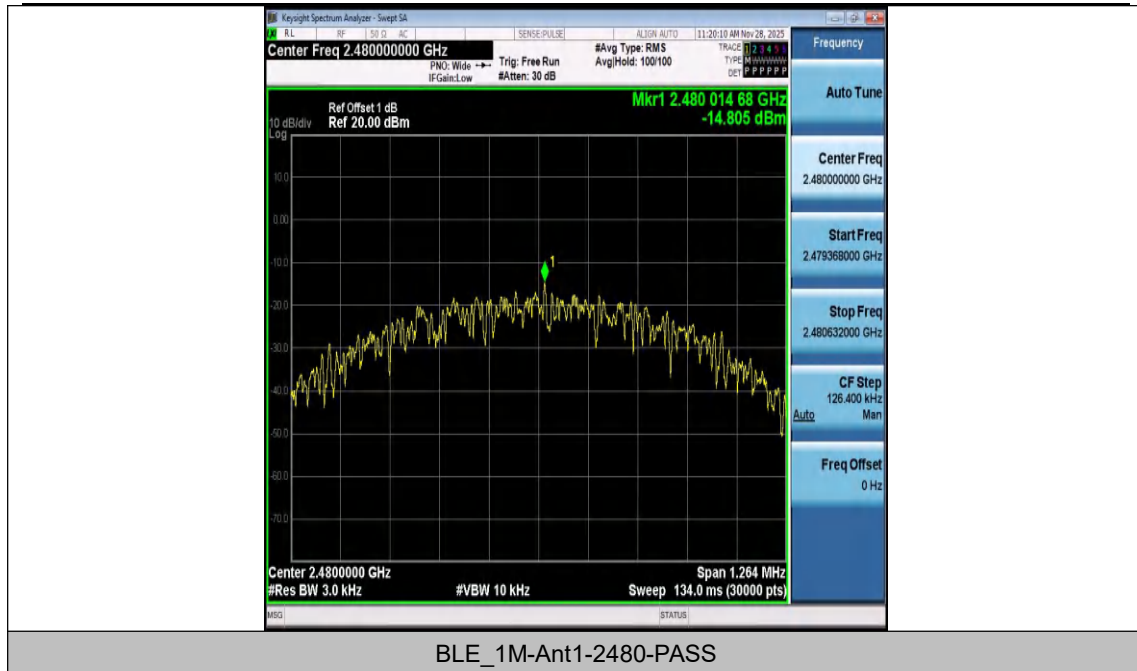
Test Graphs



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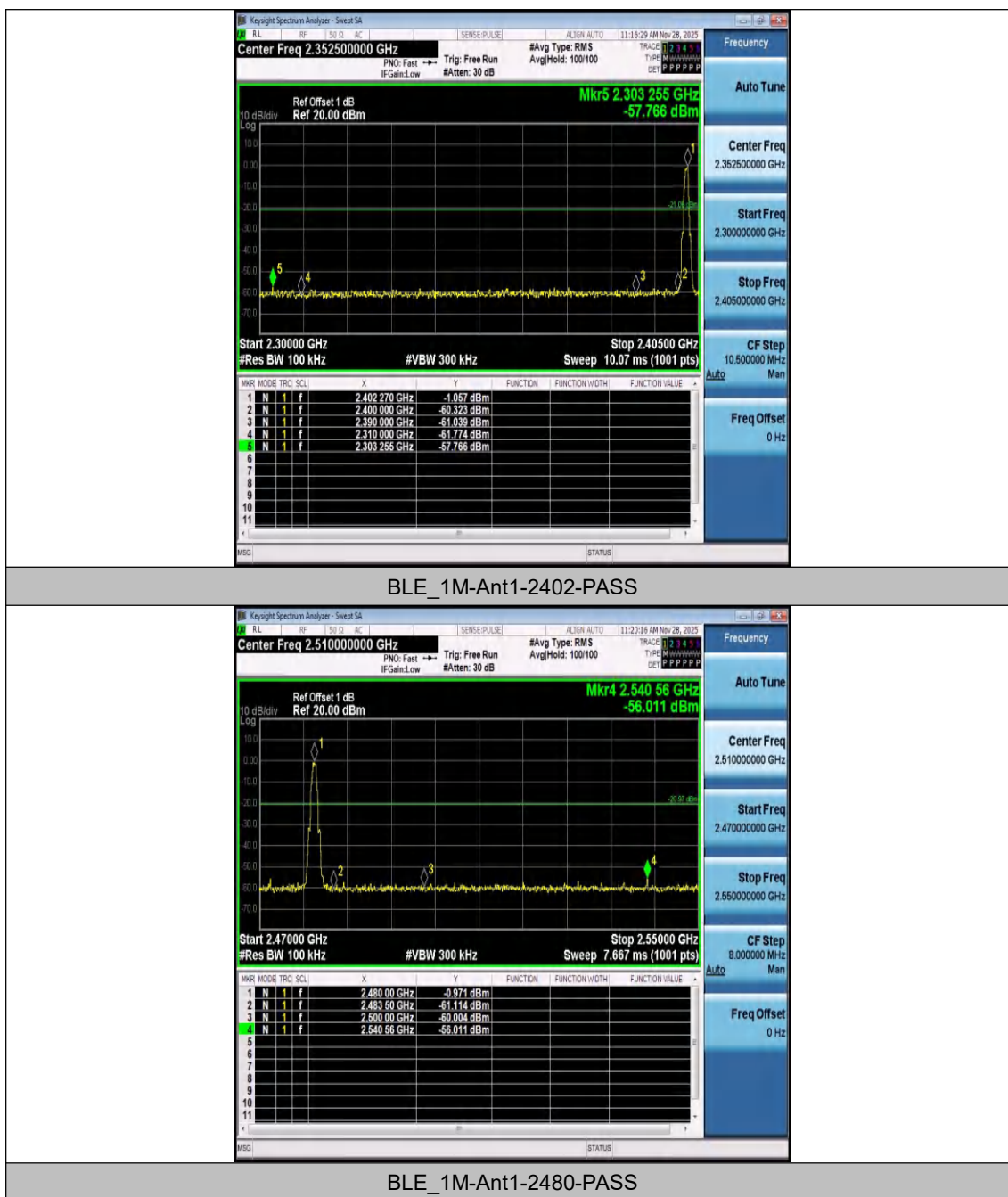
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.06	-57.77	≤-21.06	PASS
BLE_1M	Ant1	High	2480	-0.97	-56.01	≤-20.97	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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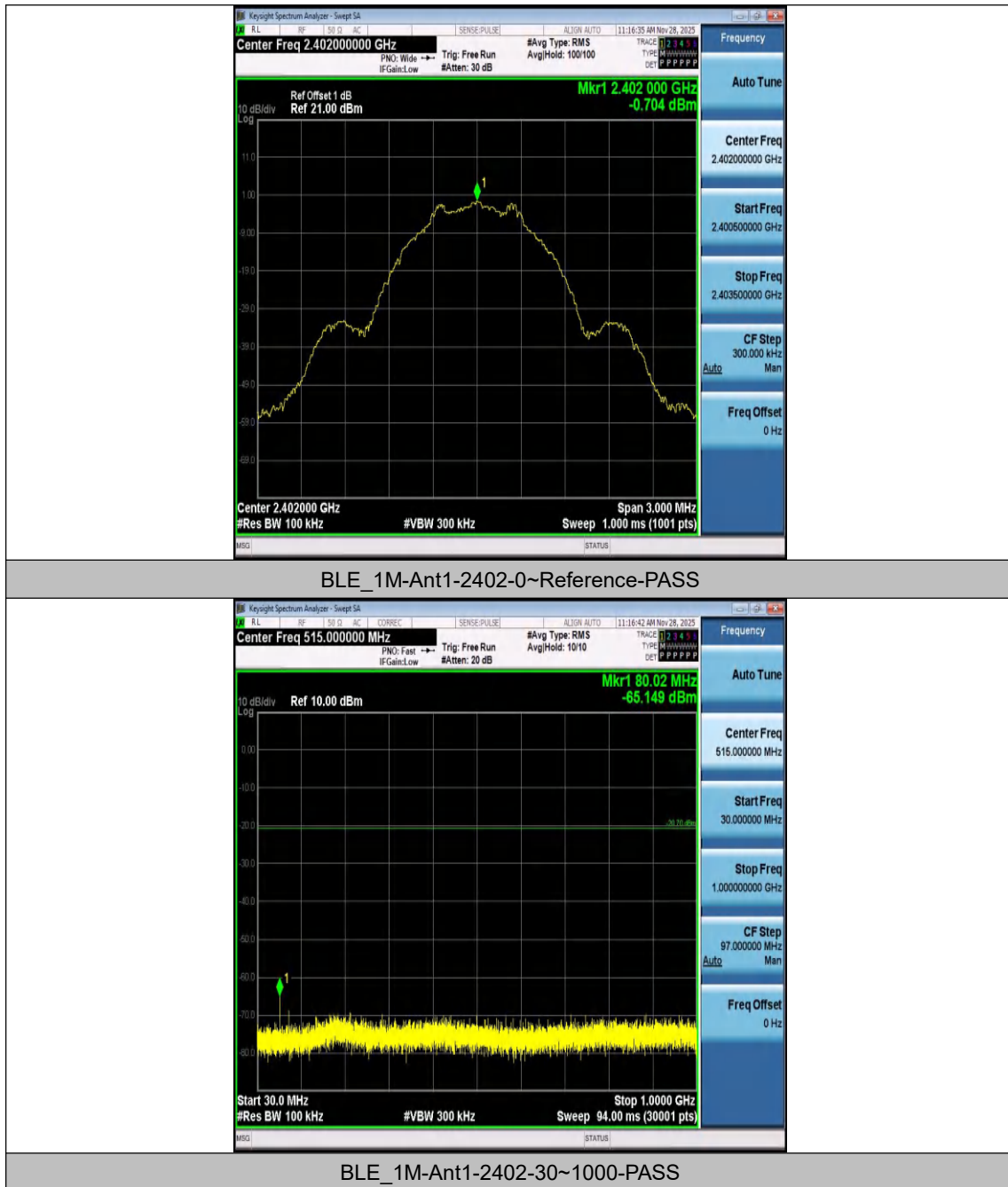
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.70	-0.70	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.70	-65.15	≤-20.7	PASS
BLE_1M	Ant1	2402	1000~26500	-0.70	-53.94	≤-20.7	PASS
BLE_1M	Ant1	2440	0~Reference	-0.69	-0.69	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.69	-65.17	≤-20.69	PASS
BLE_1M	Ant1	2440	1000~26500	-0.69	-53.61	≤-20.69	PASS
BLE_1M	Ant1	2480	0~Reference	-0.64	-0.64	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.64	-64.55	≤-20.64	PASS
BLE_1M	Ant1	2480	1000~26500	-0.64	-53.9	≤-20.64	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.

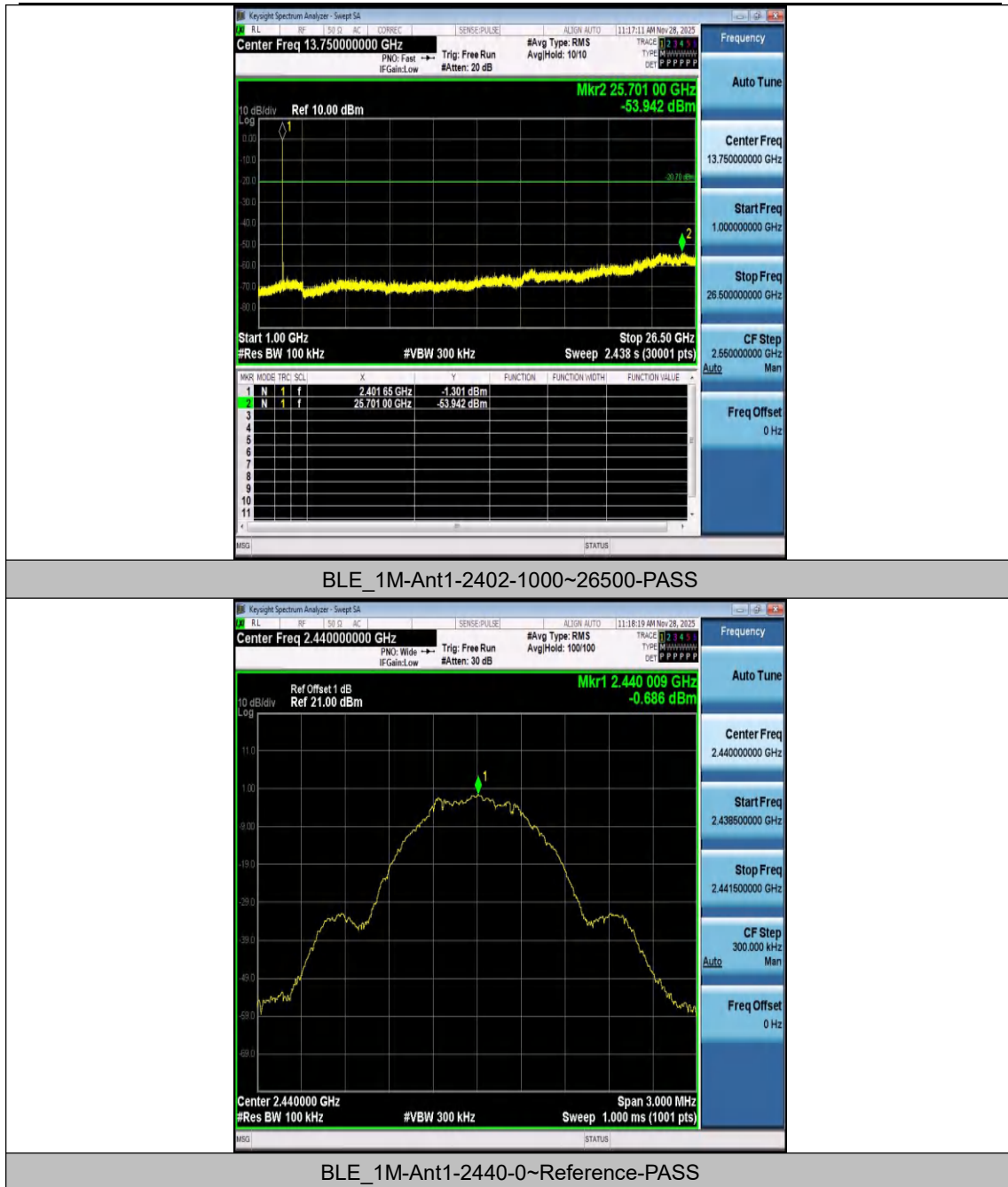
Test Graphs



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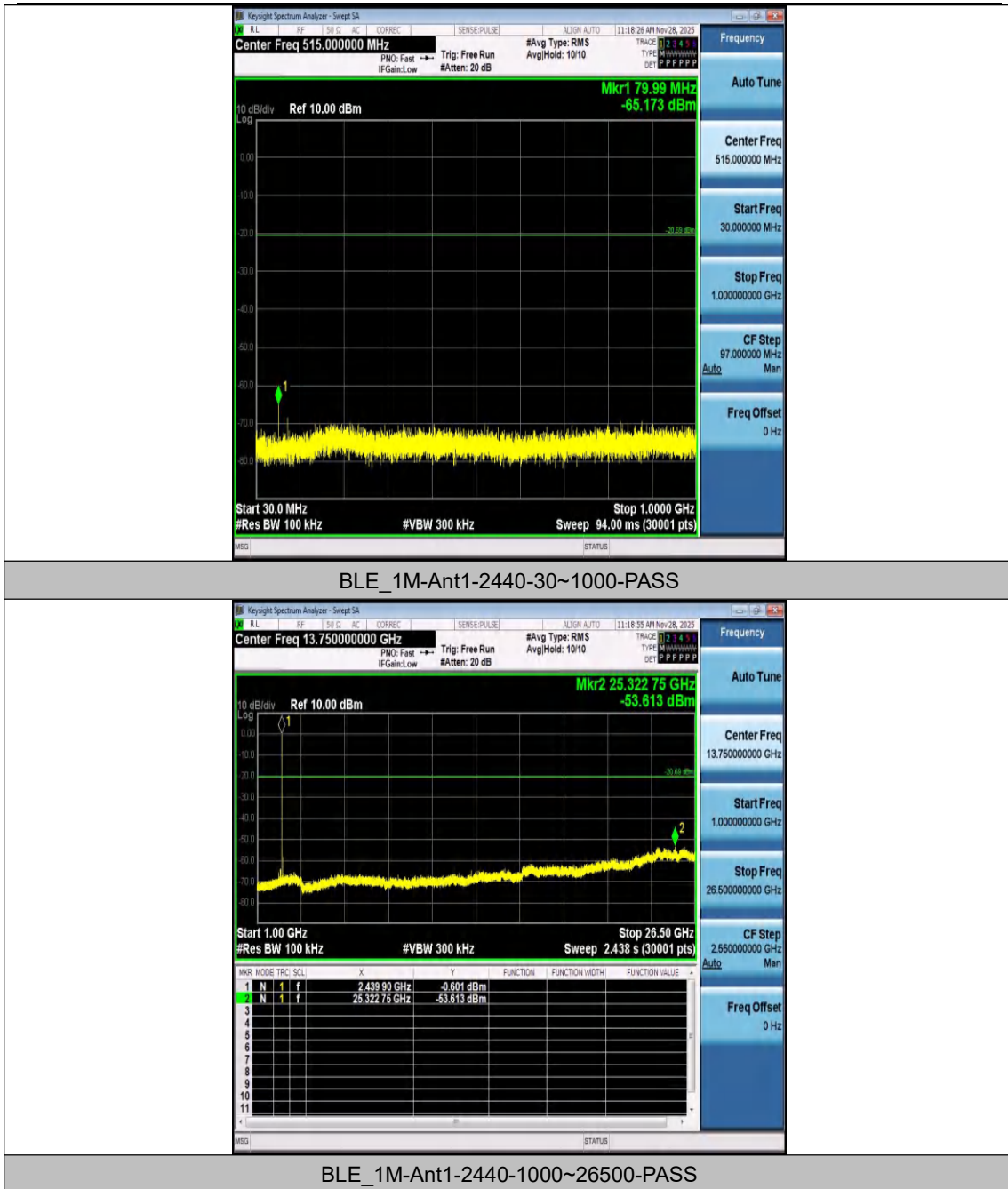
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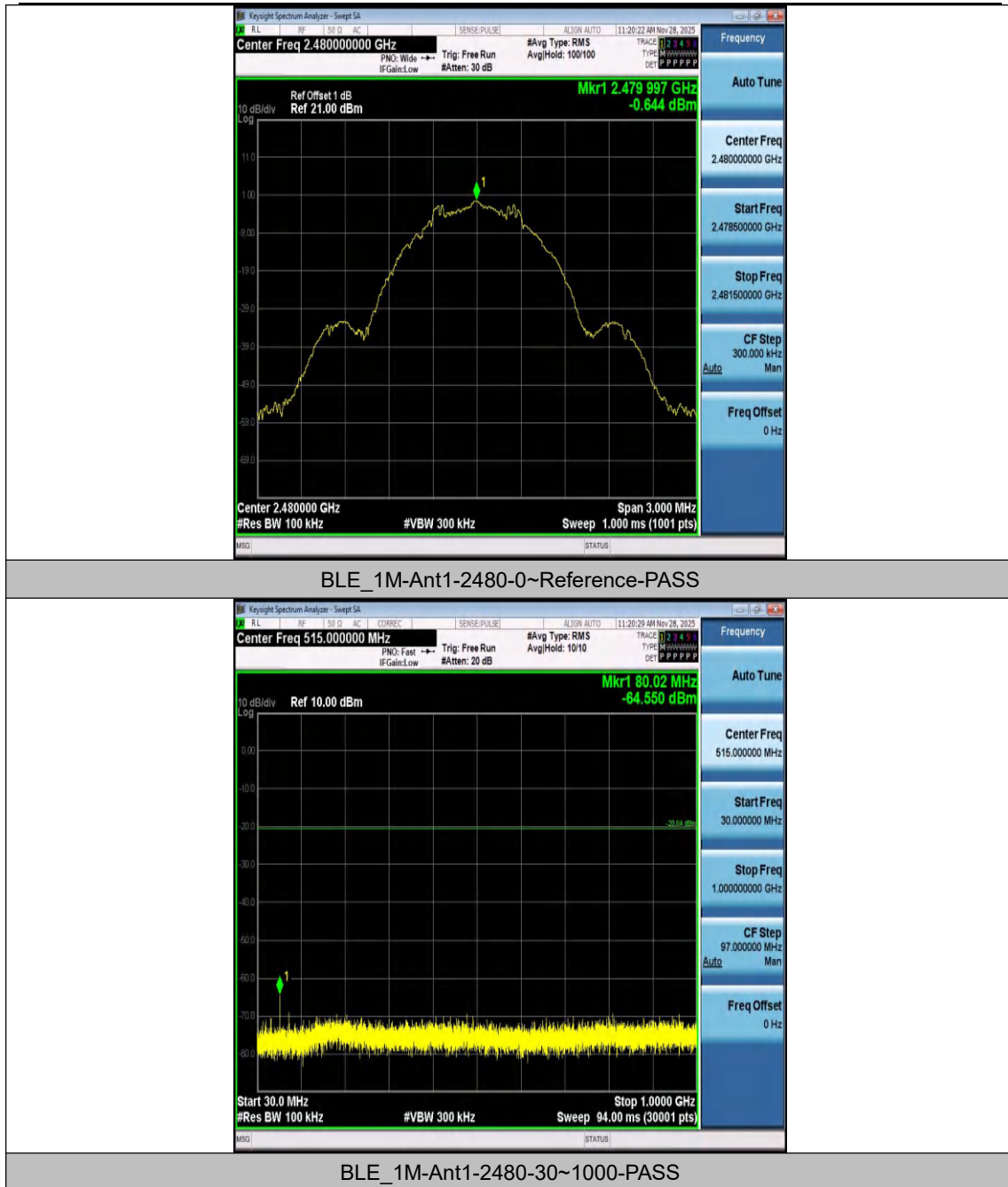
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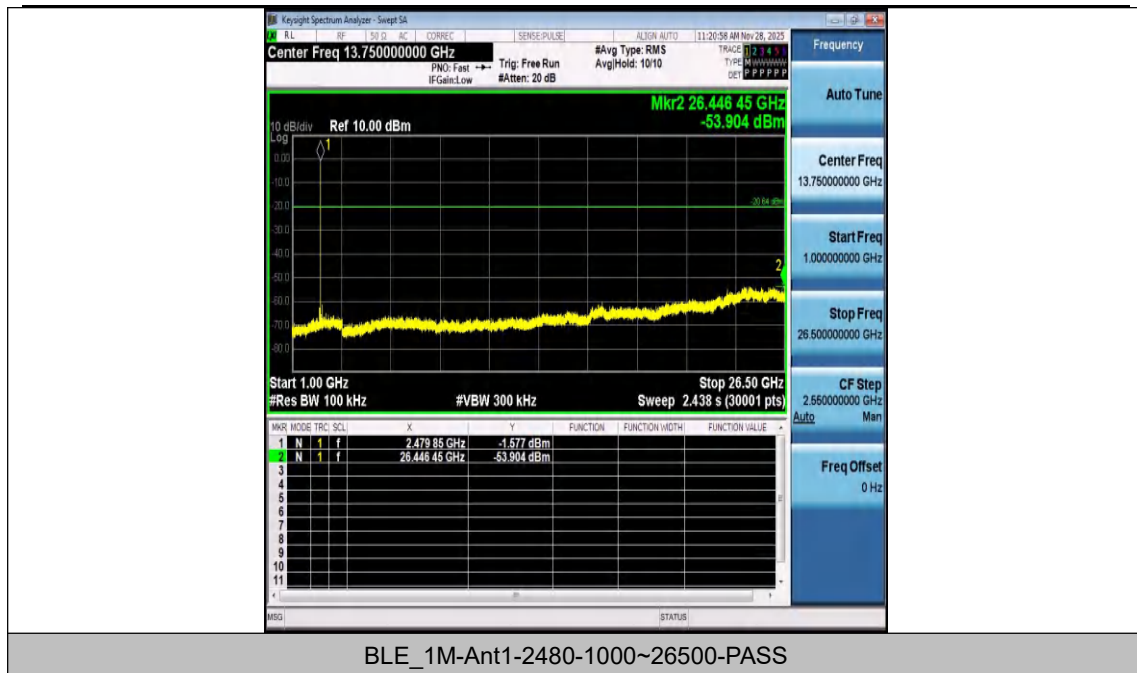
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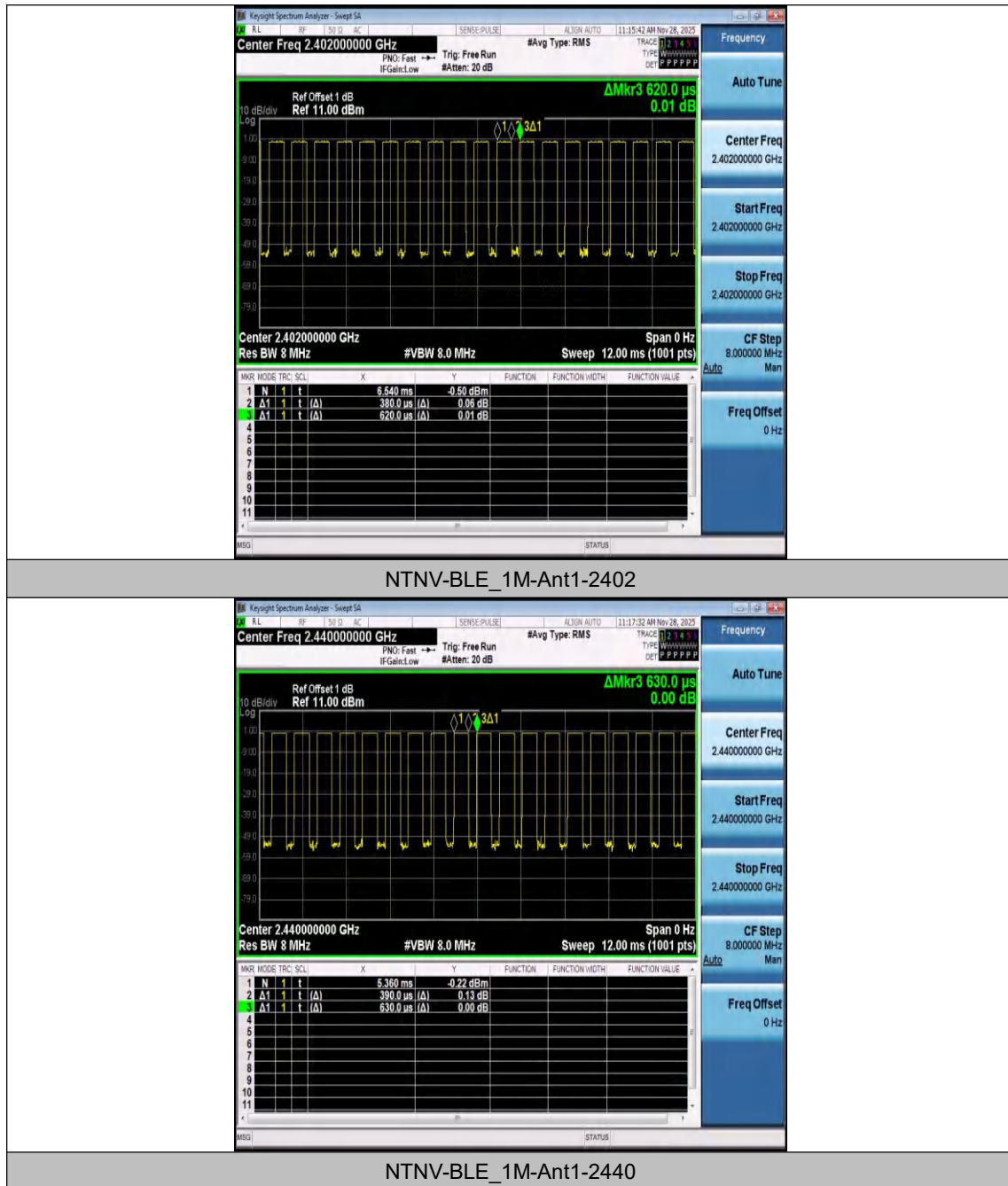
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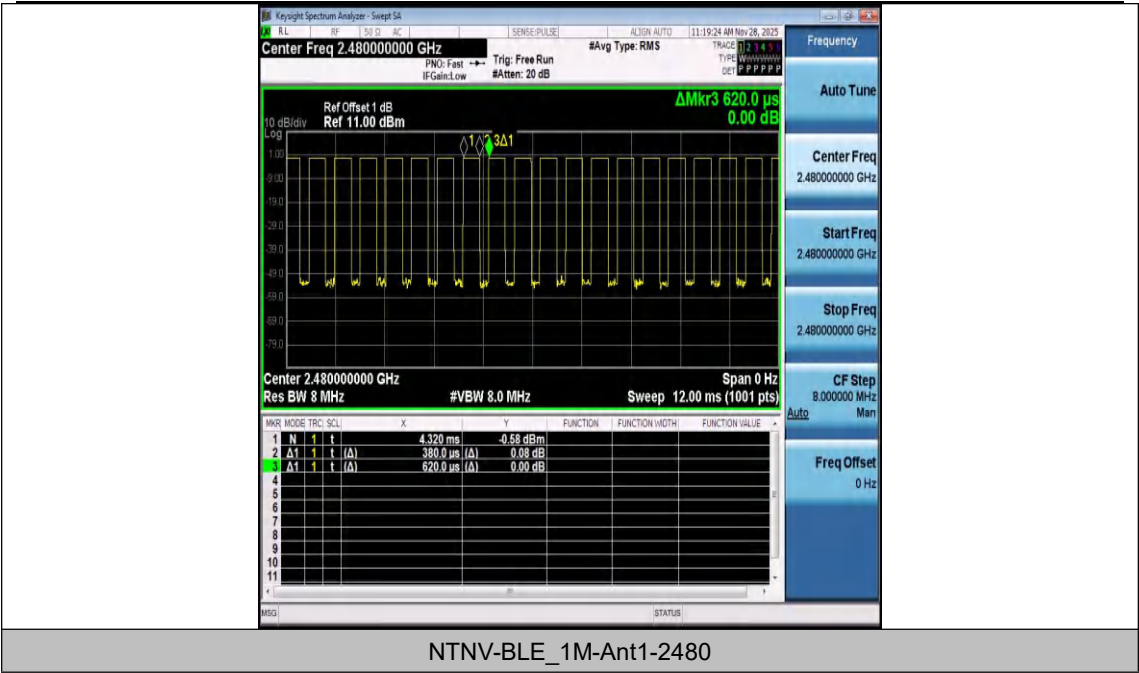
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.62	61.29	2.13
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.38	0.62	61.29	2.13

Test Graphs





NTNV-BLE_1M-Ant1-2480

---End---