

Appendix Test Data

Report No.:	1812C50509612501	Test Sample No.:	1-2-2
Start Test Date:	2025-10-14	Finish Test Date:	2025-10-14
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.4℃	Relative Humidity:	64%
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	0.640	2401.676	2402.316	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.664	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.664	2480.336	0.5	PASS

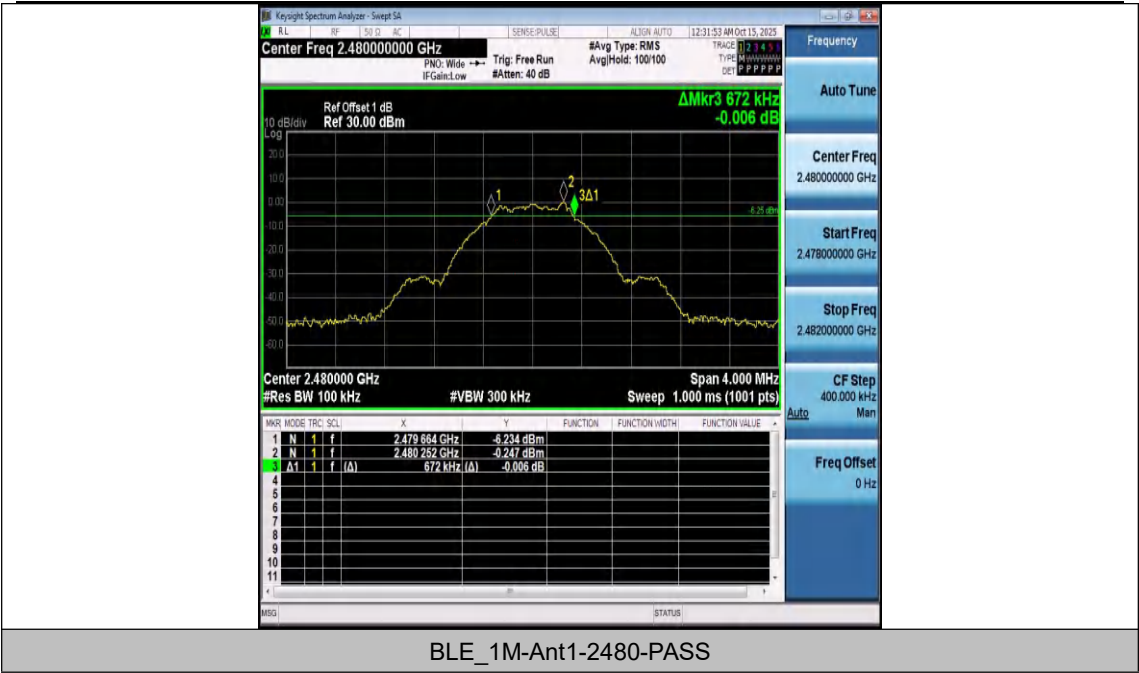
Test Graphs



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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	1.0367	2401.4906	2402.5273	---	---
BLE_1M	Ant1	2440	1.0405	2439.4853	2440.5258	---	---
BLE_1M	Ant1	2480	1.0394	2479.4852	2480.5246	---	---

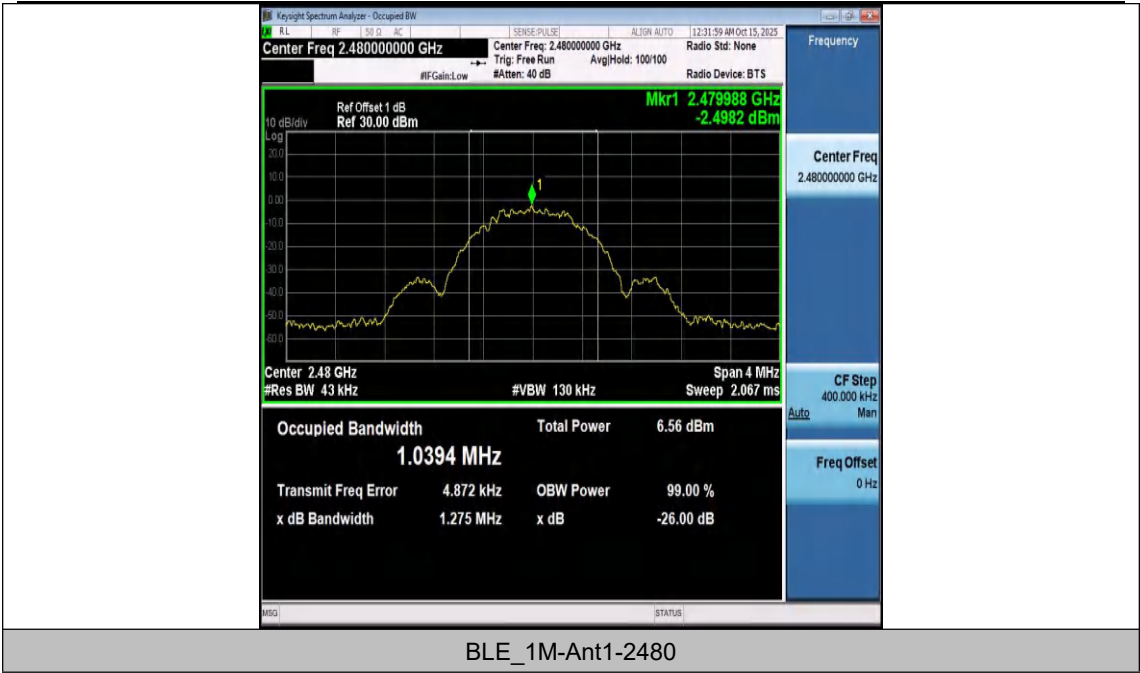
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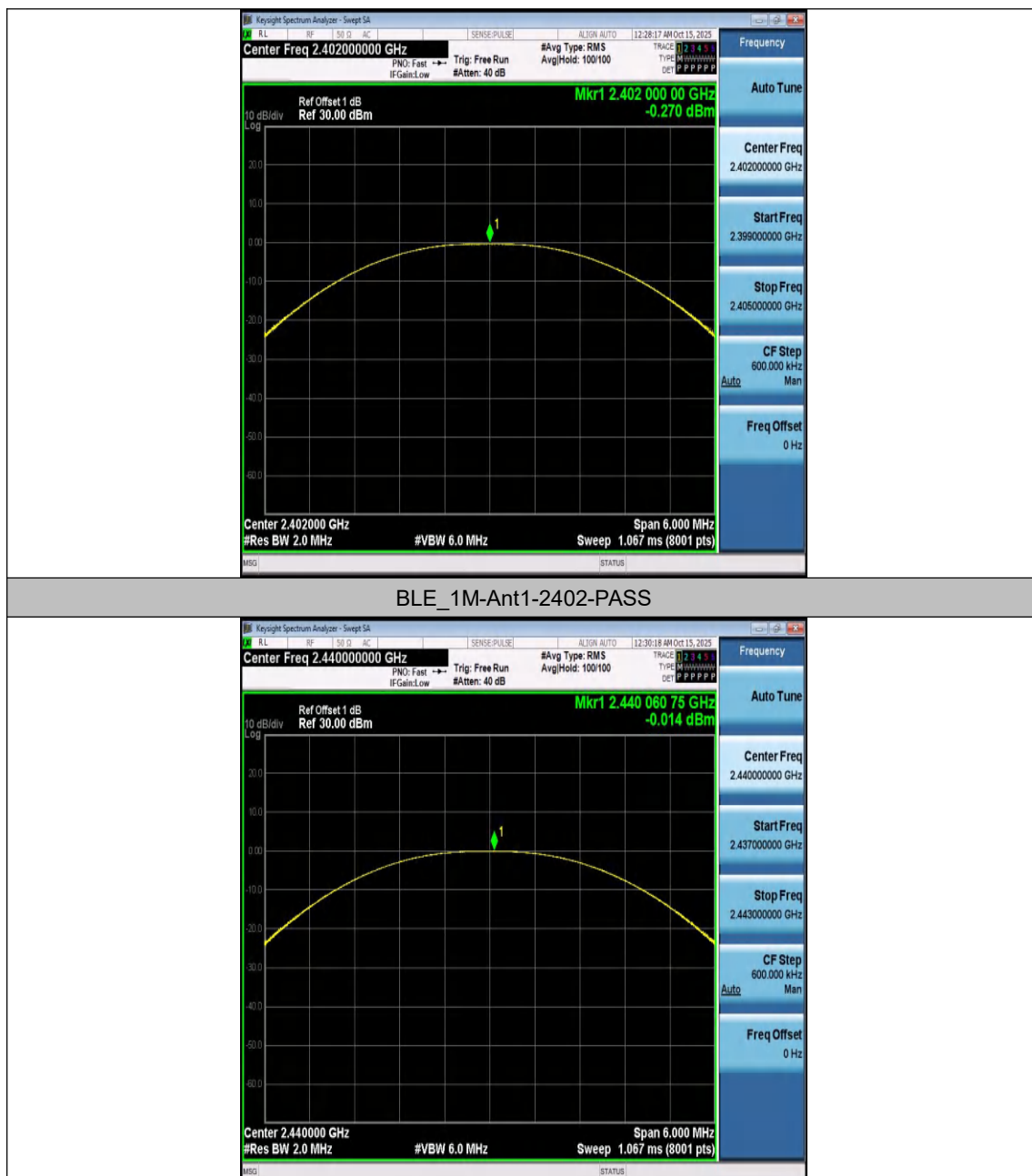
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.27	≤30	PASS
BLE_1M	Ant1	2440	-0.01	≤30	PASS
BLE_1M	Ant1	2480	0.05	≤30	PASS

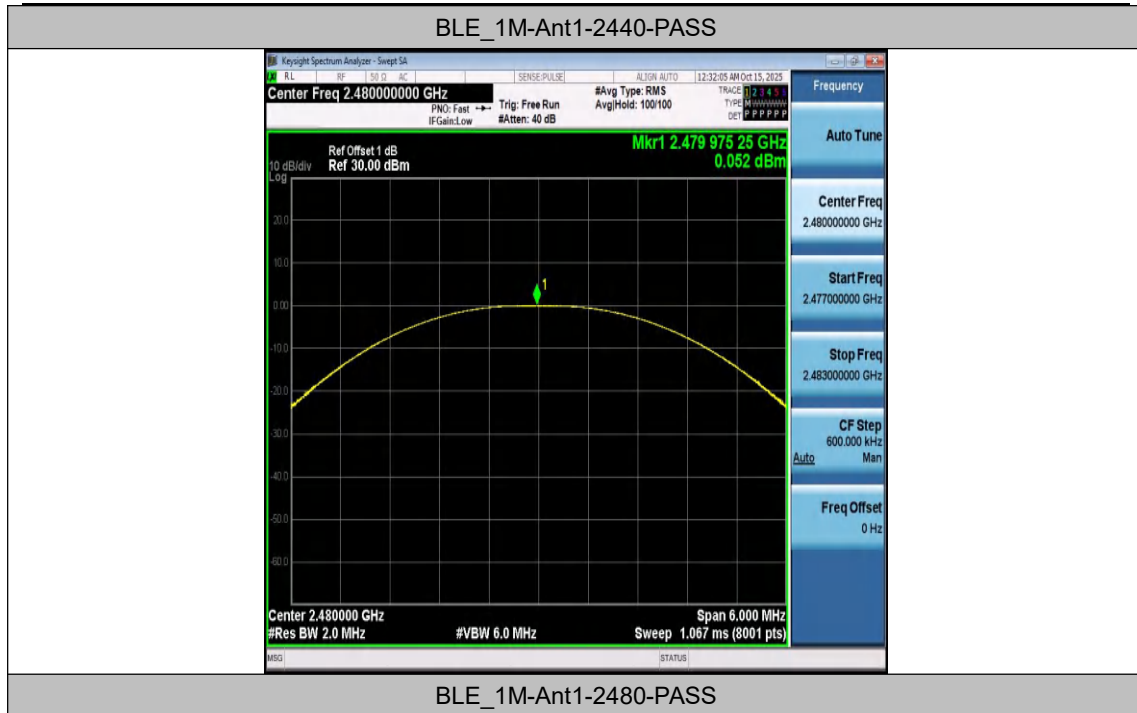
Test Graphs Peak



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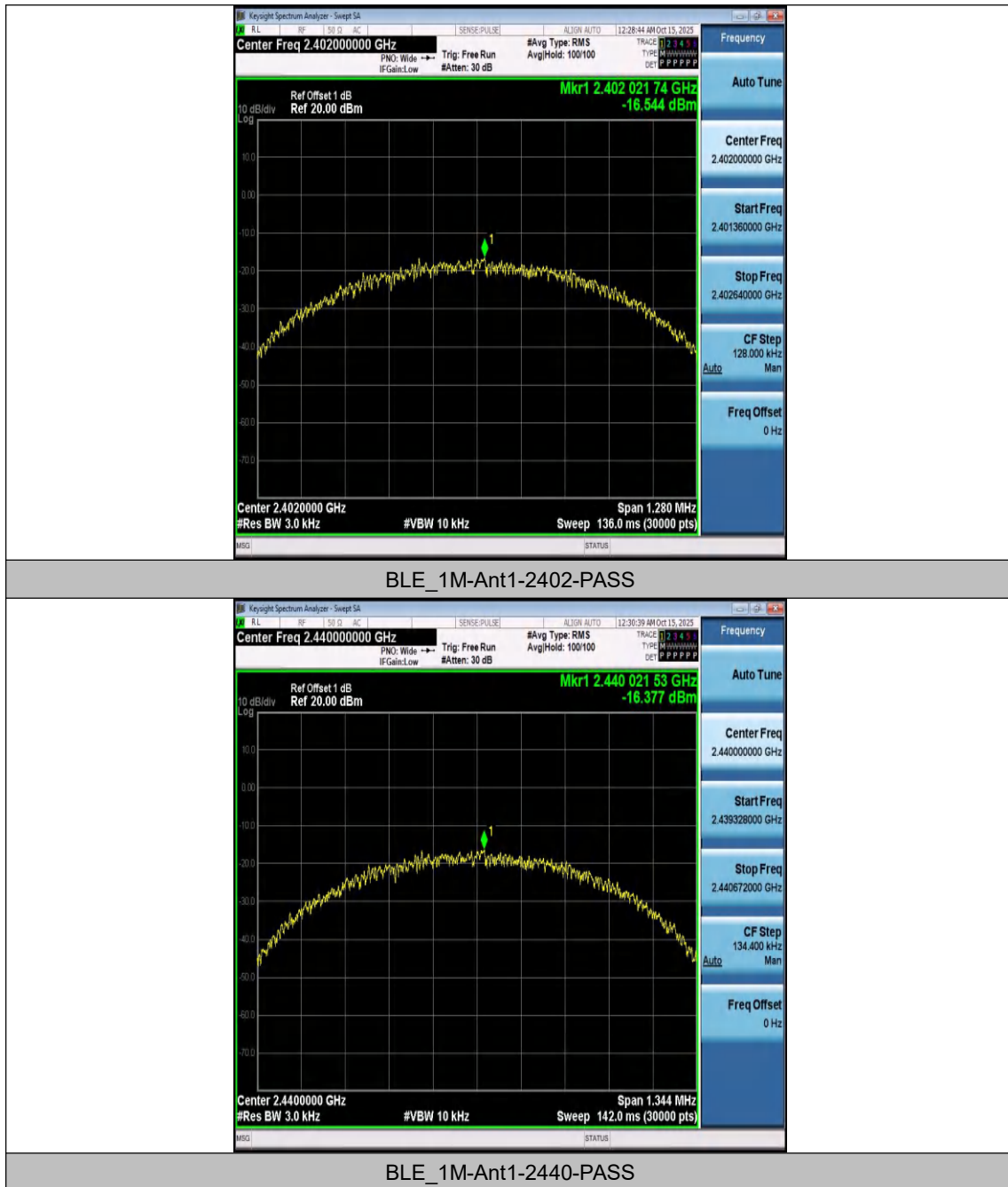
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.54	≤8.00	PASS
BLE_1M	Ant1	2440	-16.38	≤8.00	PASS
BLE_1M	Ant1	2480	-16.14	≤8.00	PASS

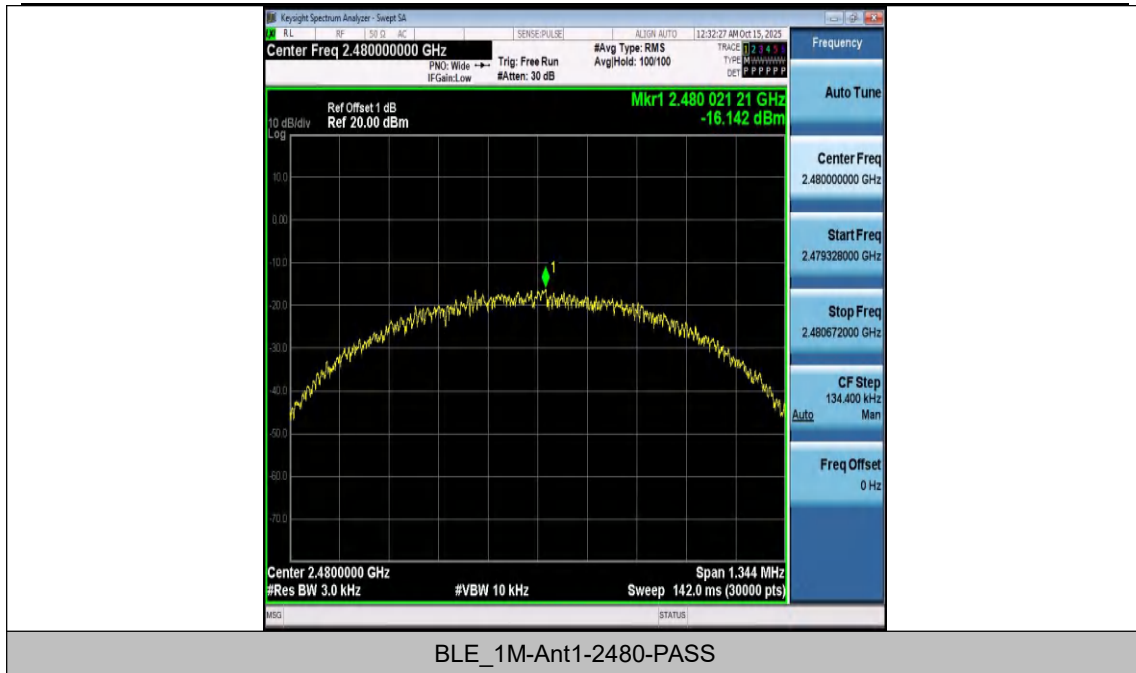
Test Graphs



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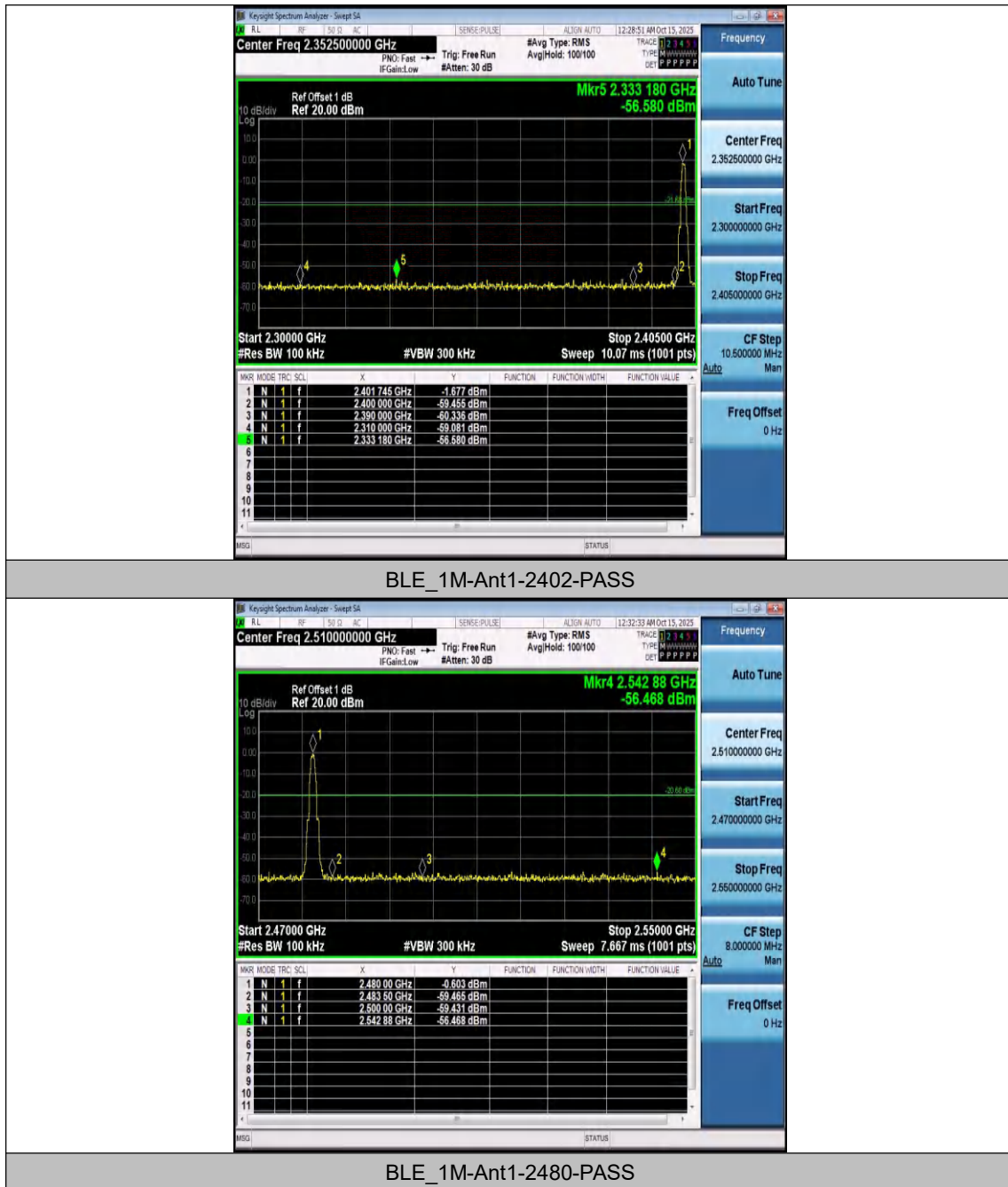
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.68	-56.58	≤ -21.68	PASS
BLE_1M	Ant1	High	2480	-0.60	-56.47	≤ -20.6	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



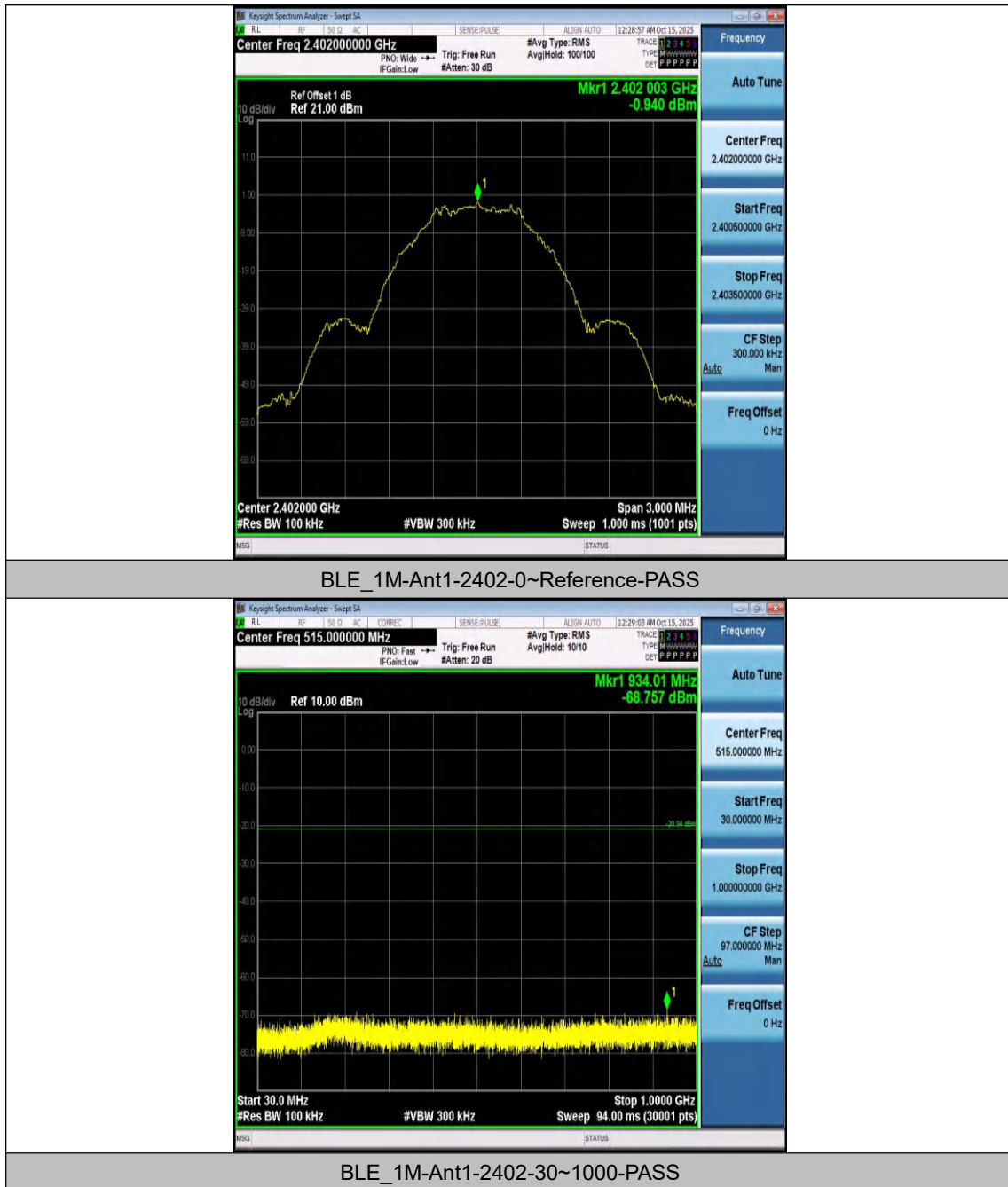
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.94	-0.94	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.94	-68.76	≤-20.94	PASS
BLE_1M	Ant1	2402	1000~26500	-0.94	-53.04	≤-20.94	PASS
BLE_1M	Ant1	2440	0~Reference	-0.43	-0.43	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.43	-68.24	≤-20.43	PASS
BLE_1M	Ant1	2440	1000~26500	-0.43	-53.16	≤-20.43	PASS
BLE_1M	Ant1	2480	0~Reference	-0.22	-0.22	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.22	-68.36	≤-20.22	PASS
BLE_1M	Ant1	2480	1000~26500	-0.22	-53.4	≤-20.22	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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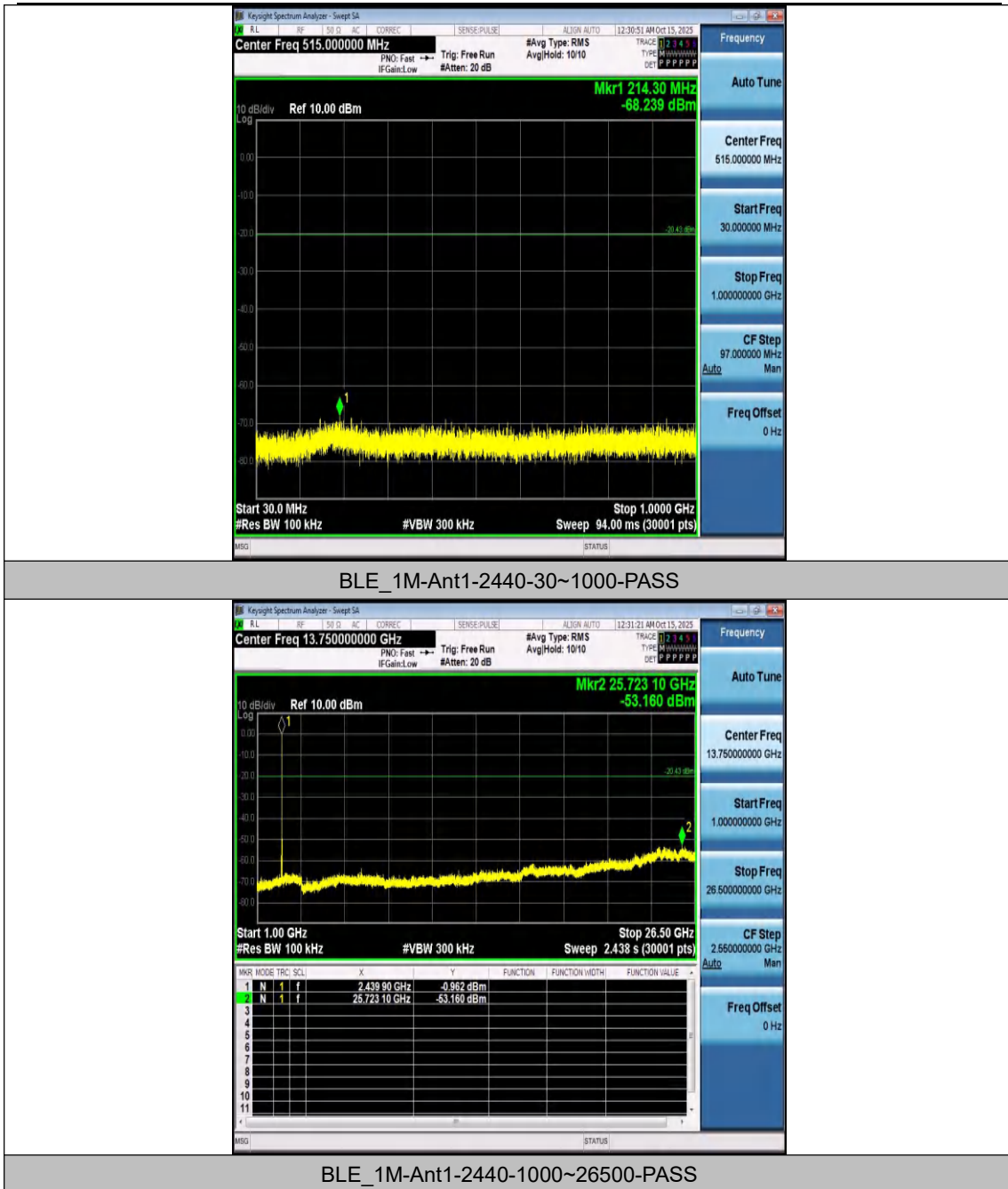
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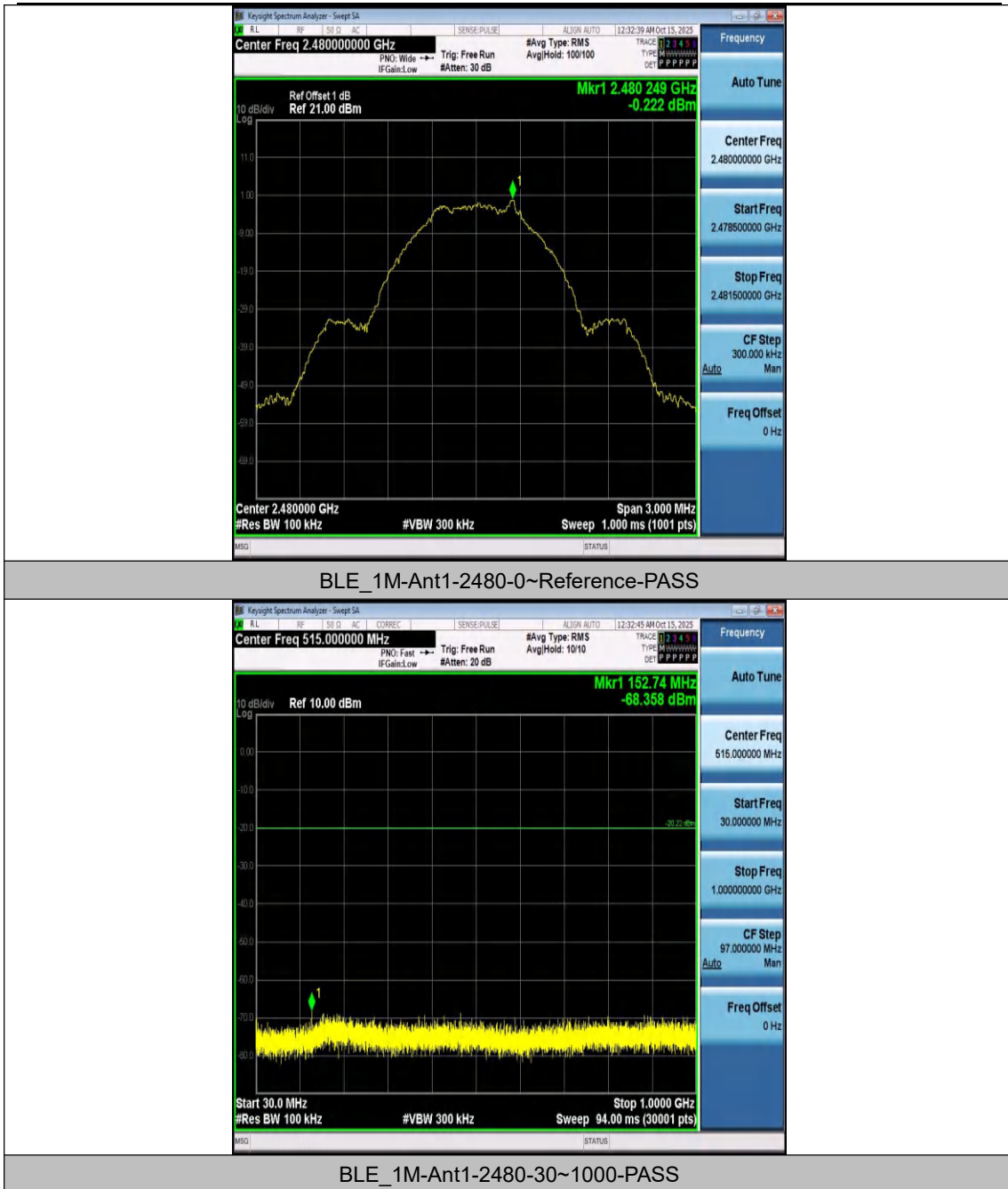
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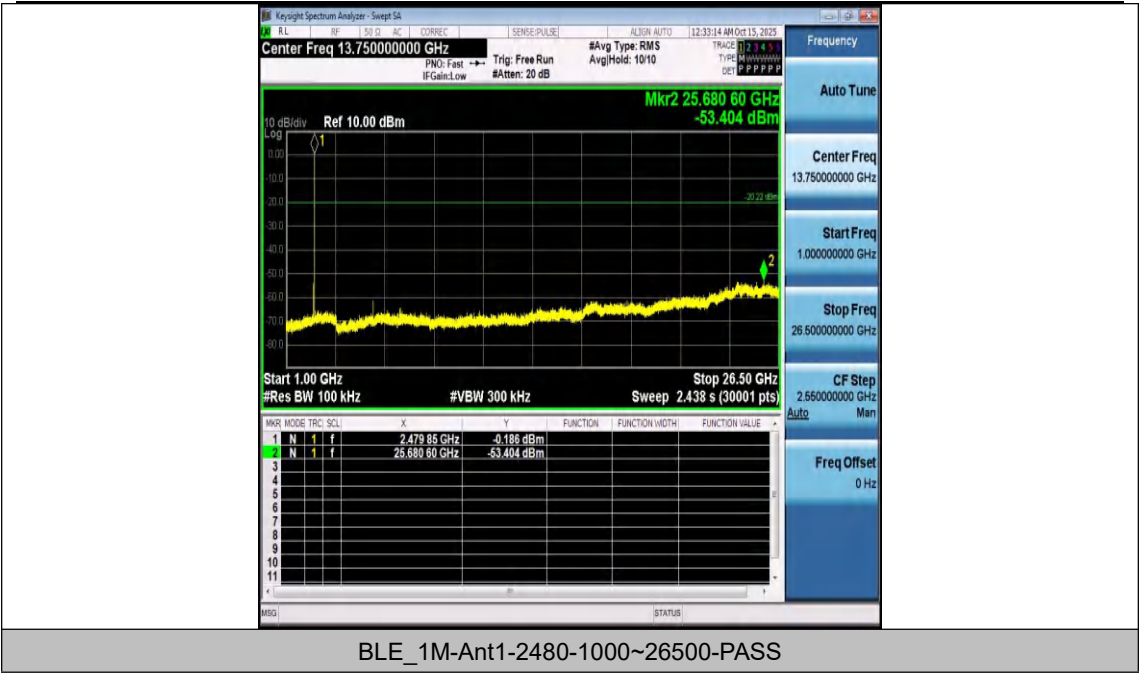
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BLE_1M-Ant1-2480-1000~26500-PASS

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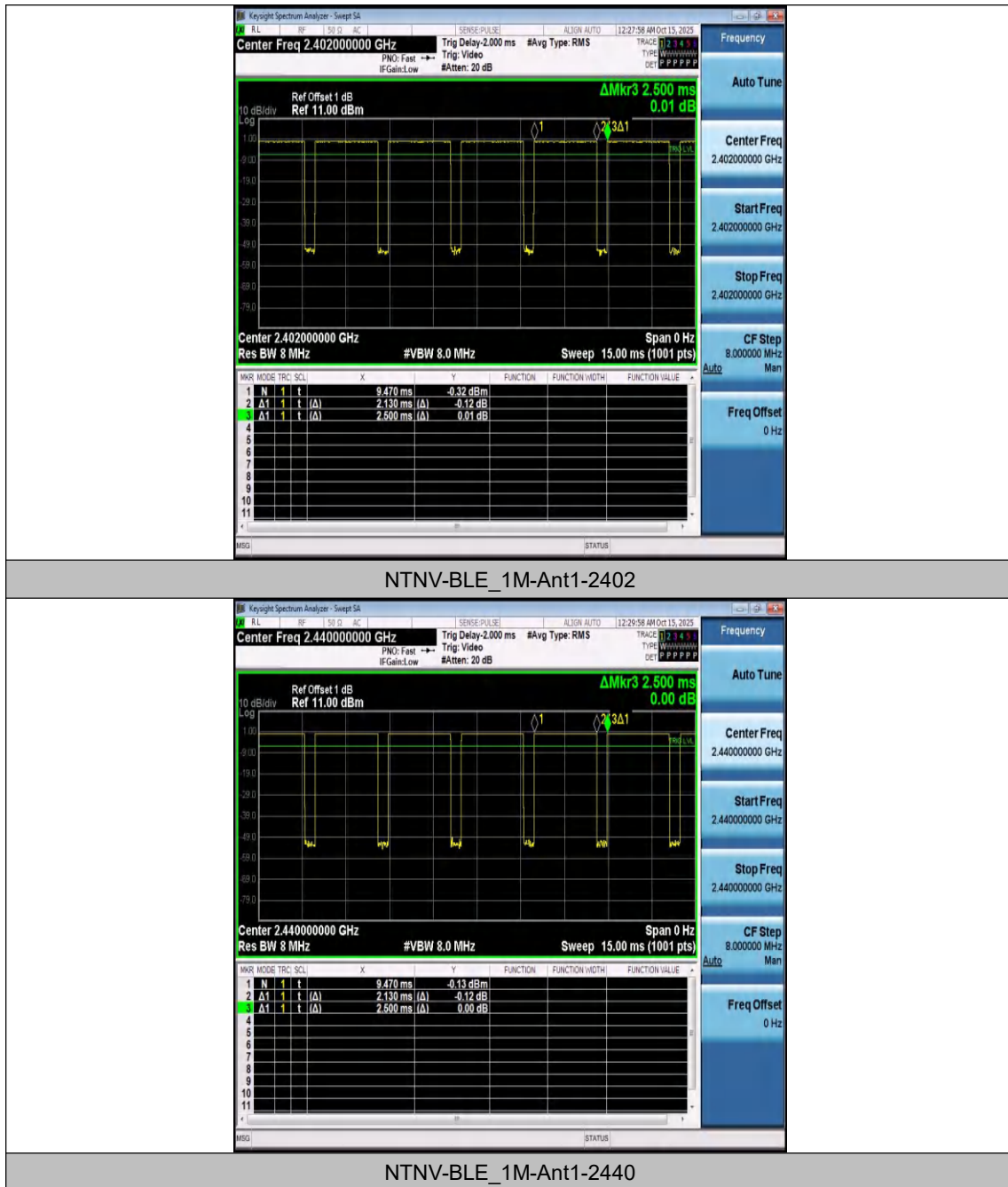
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.11	2.49	84.74	0.72

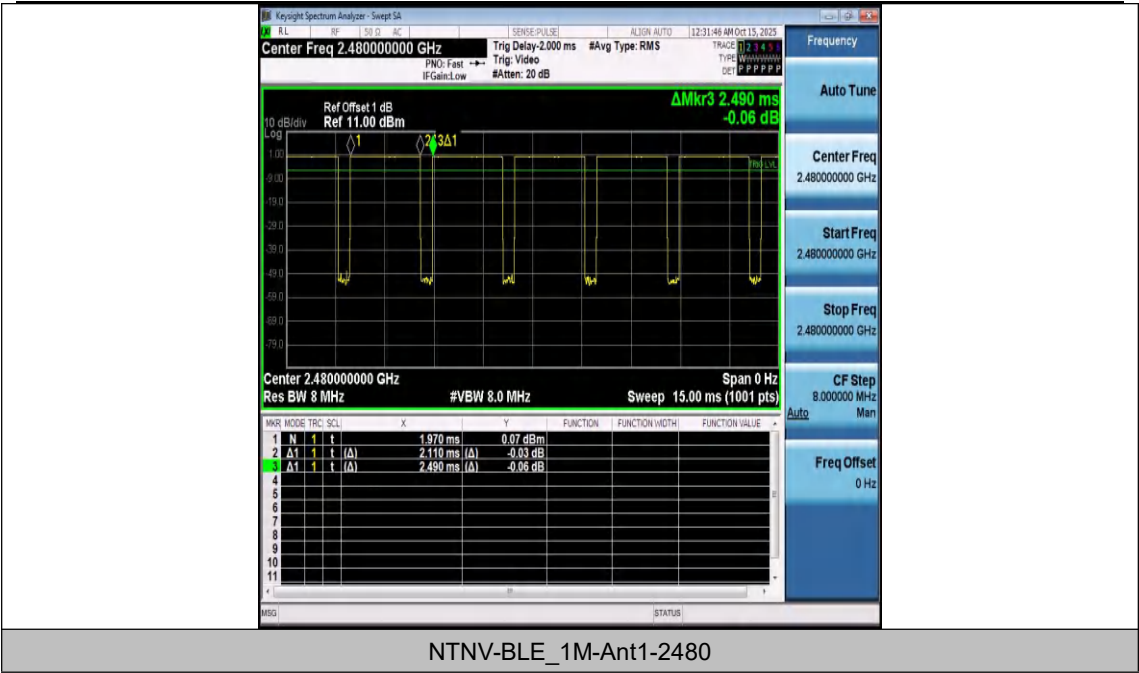
Test Graphs



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NTNV-BLE_1M-Ant1-2480

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