

Appendix Test Data

Report No.:	1812C50399612501	Test Sample No.:	1-2-2
Start Test Date:	2025-8-8	Finish Test Date:	2025-9-3
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	21.8°C	Relative Humidity:	61%
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	0.740	2401.636	2402.376	0.5	PASS
BLE_1M	Ant1	2440	0.736	2439.640	2440.376	0.5	PASS
BLE_1M	Ant1	2480	0.720	2479.660	2480.380	0.5	PASS

Test Graphs



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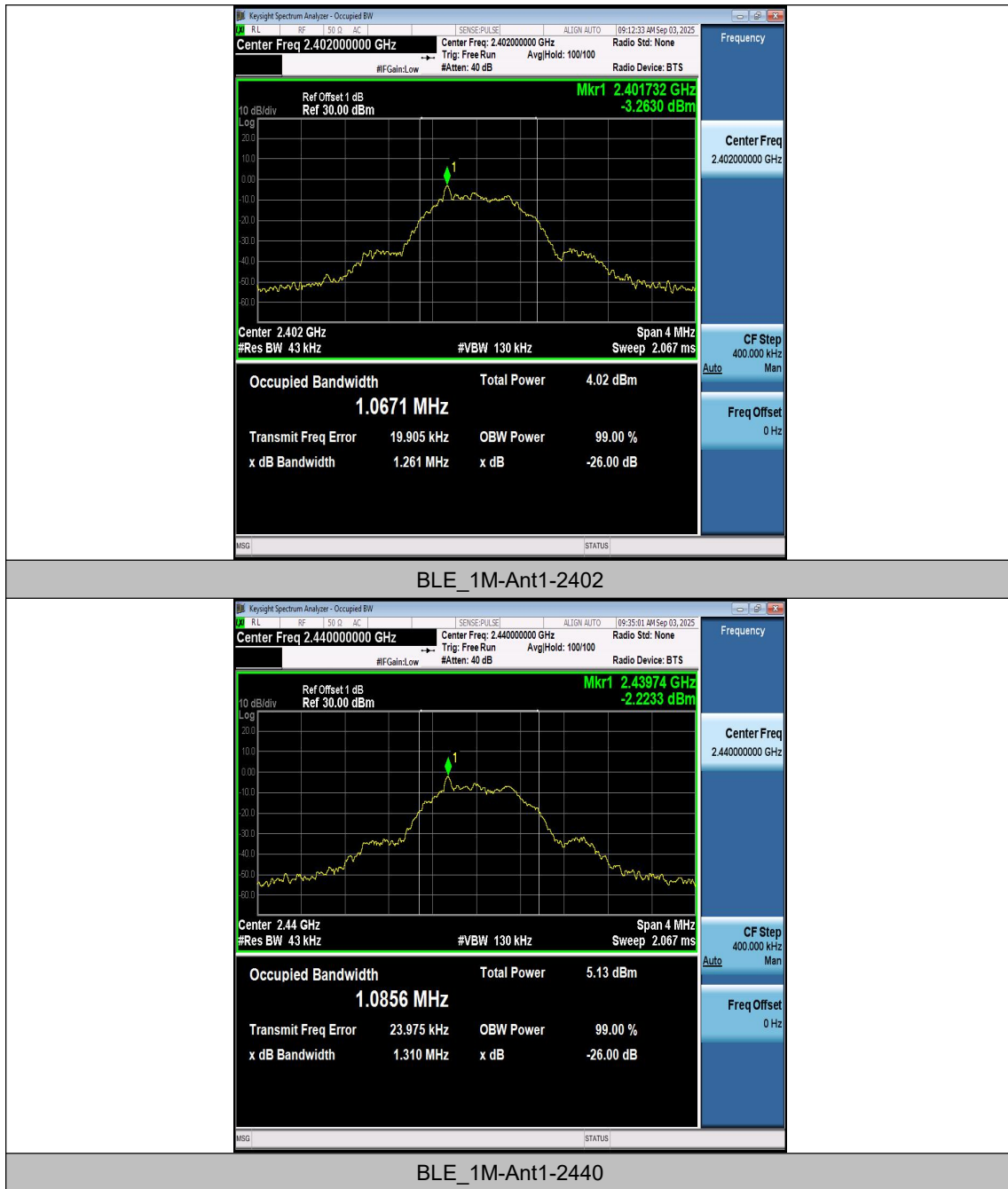
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0671	2401.4864	2402.5535	---	---
BLE_1M	Ant1	2440	1.0856	2439.4812	2440.5668	---	---
BLE_1M	Ant1	2480	1.0543	2479.4981	2480.5524	---	---

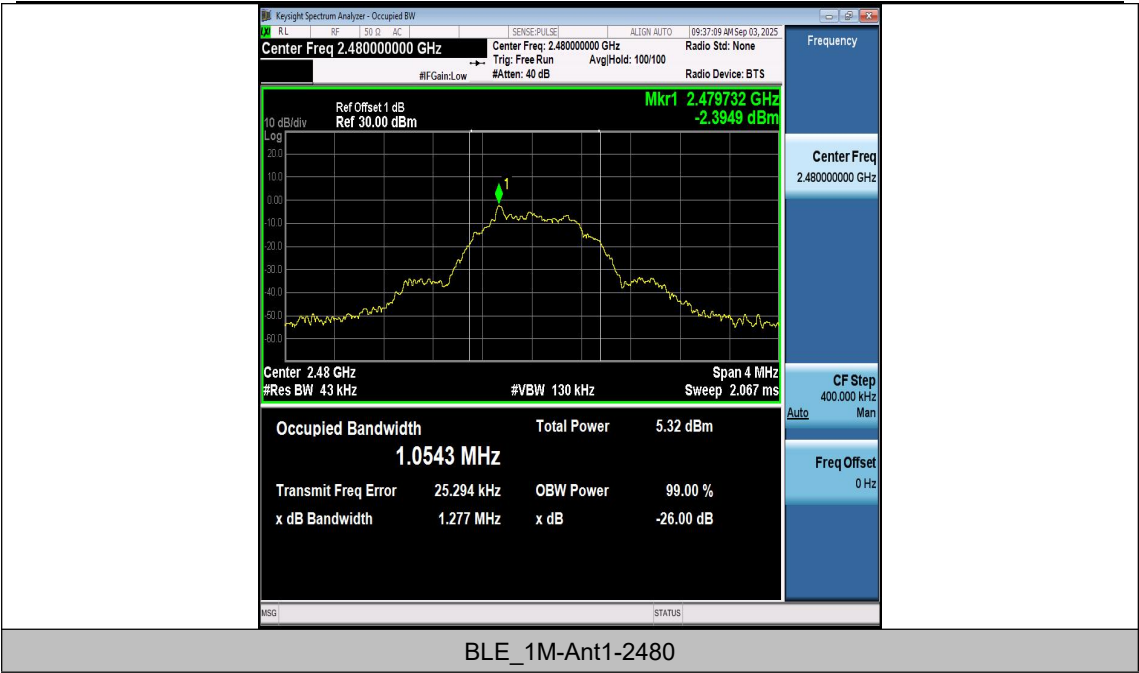
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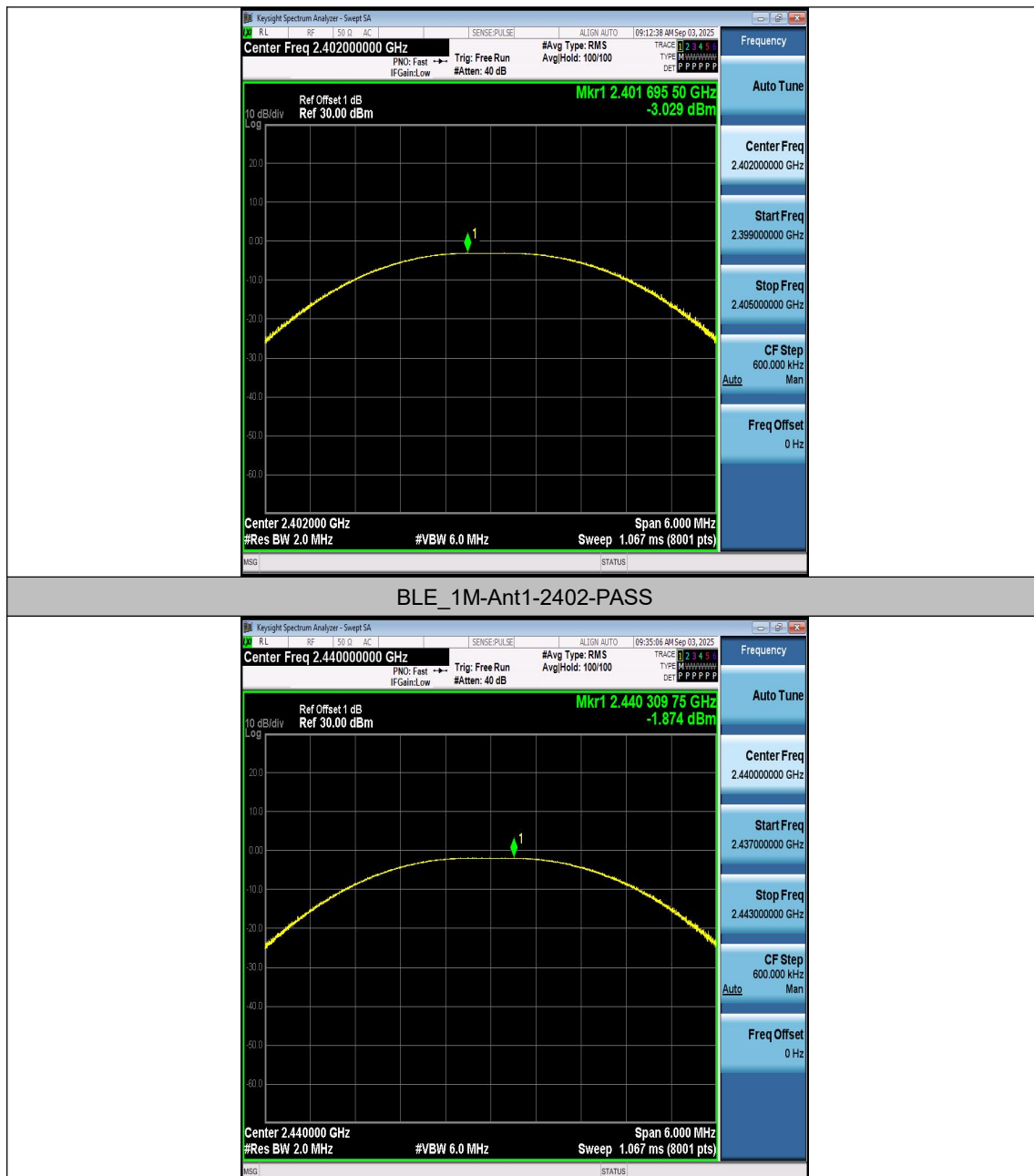
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.03	≤30	PASS
BLE_1M	Ant1	2440	-1.87	≤30	PASS
BLE_1M	Ant1	2480	-1.71	≤30	PASS

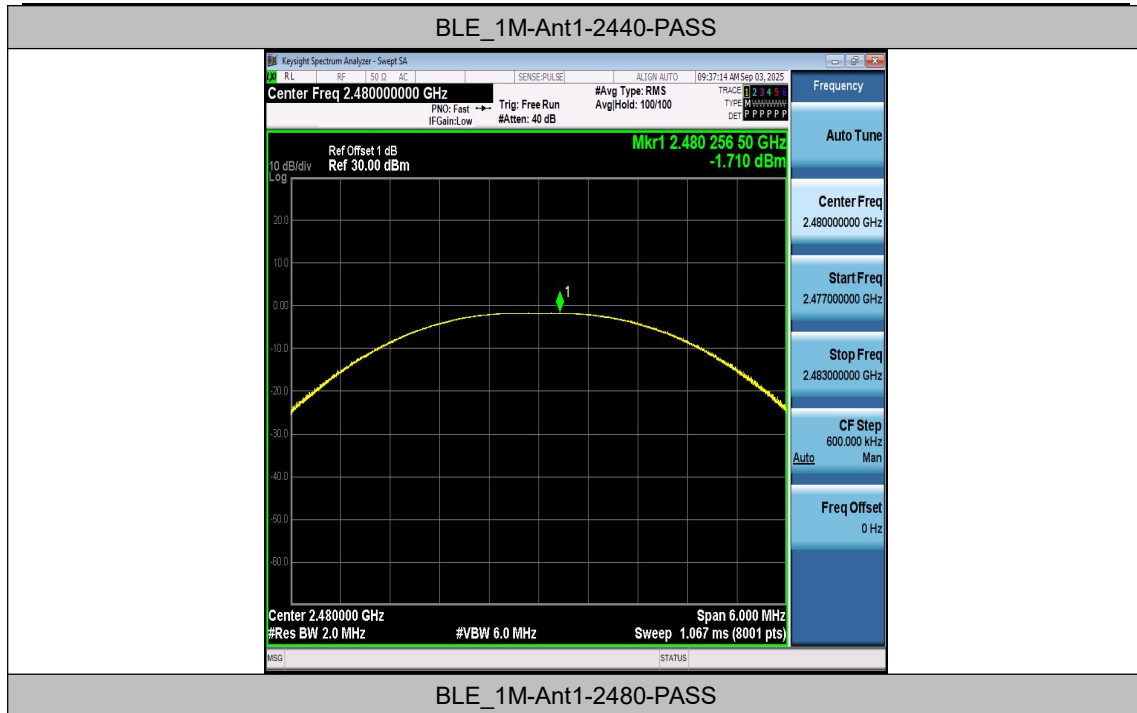
Test Graphs Peak



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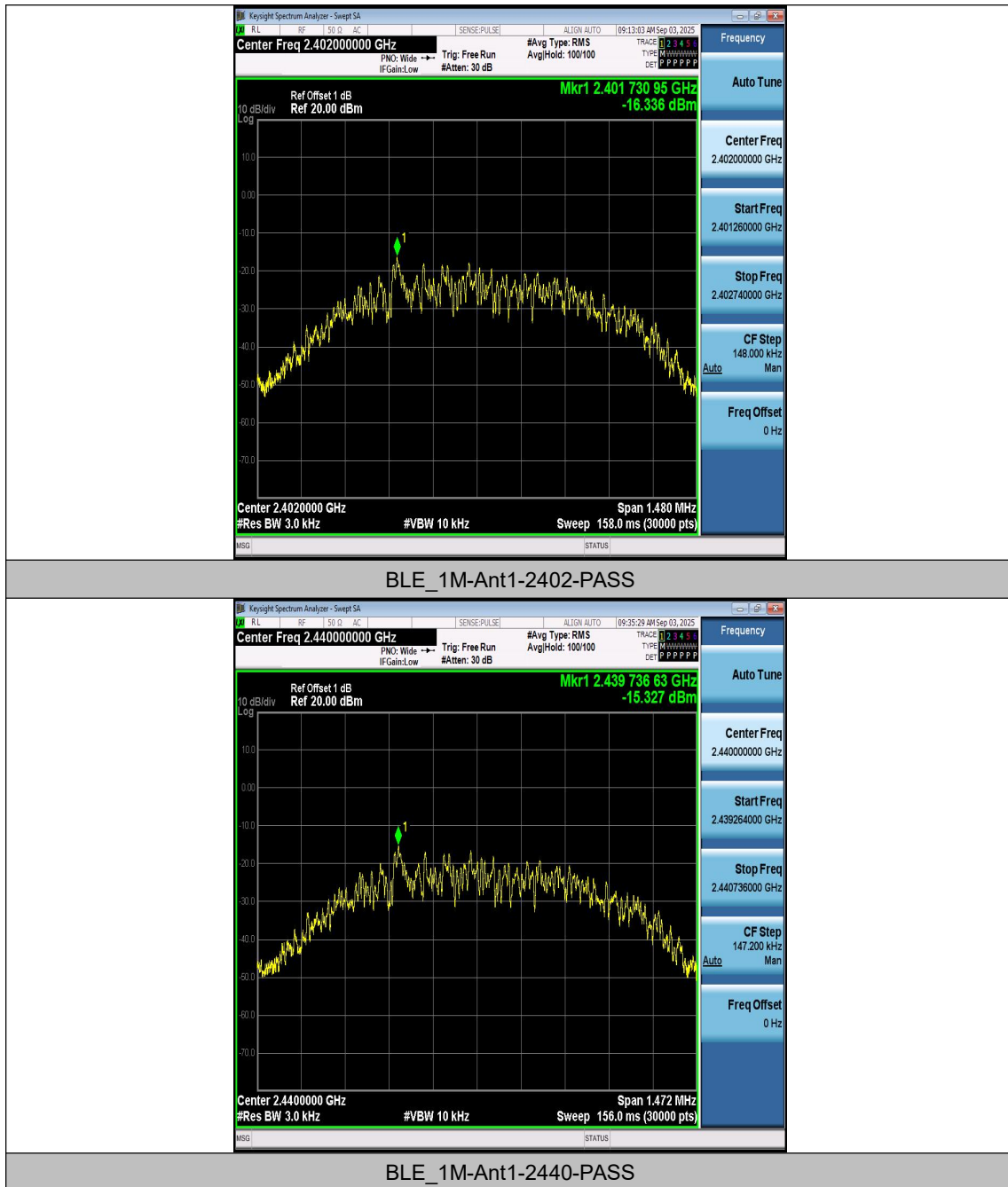
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.34	≤8.00	PASS
BLE_1M	Ant1	2440	-15.33	≤8.00	PASS
BLE_1M	Ant1	2480	-15.02	≤8.00	PASS

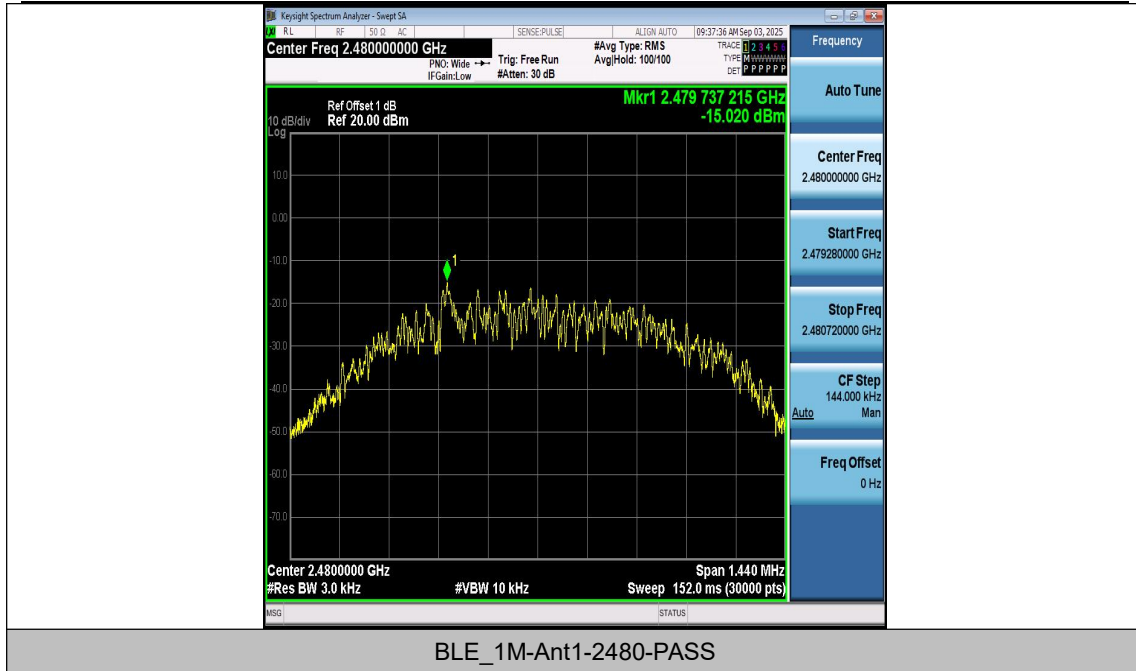
Test Graphs



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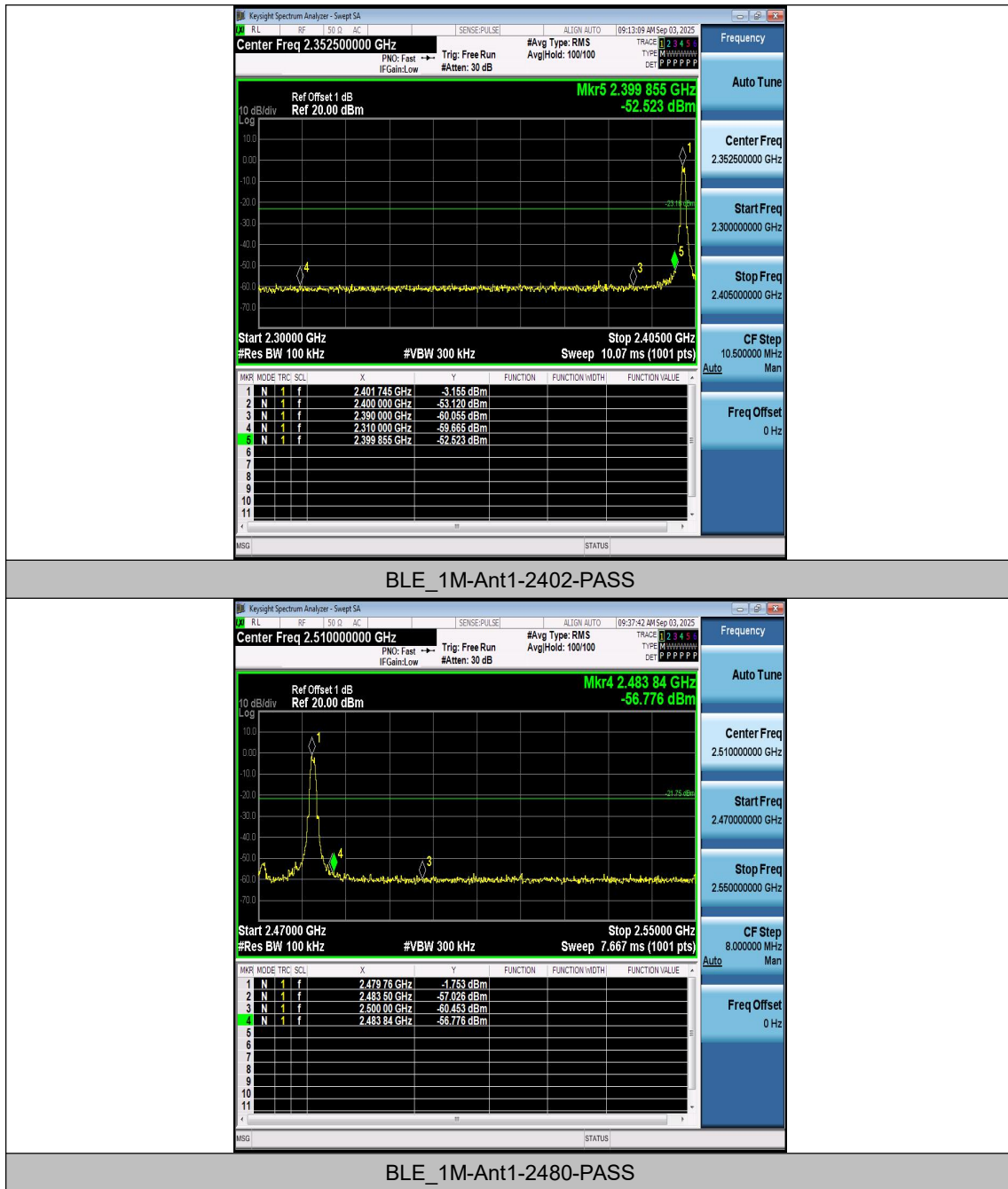
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.16	-52.52	≤-23.16	PASS
BLE_1M	Ant1	High	2480	-1.75	-56.78	≤-21.75	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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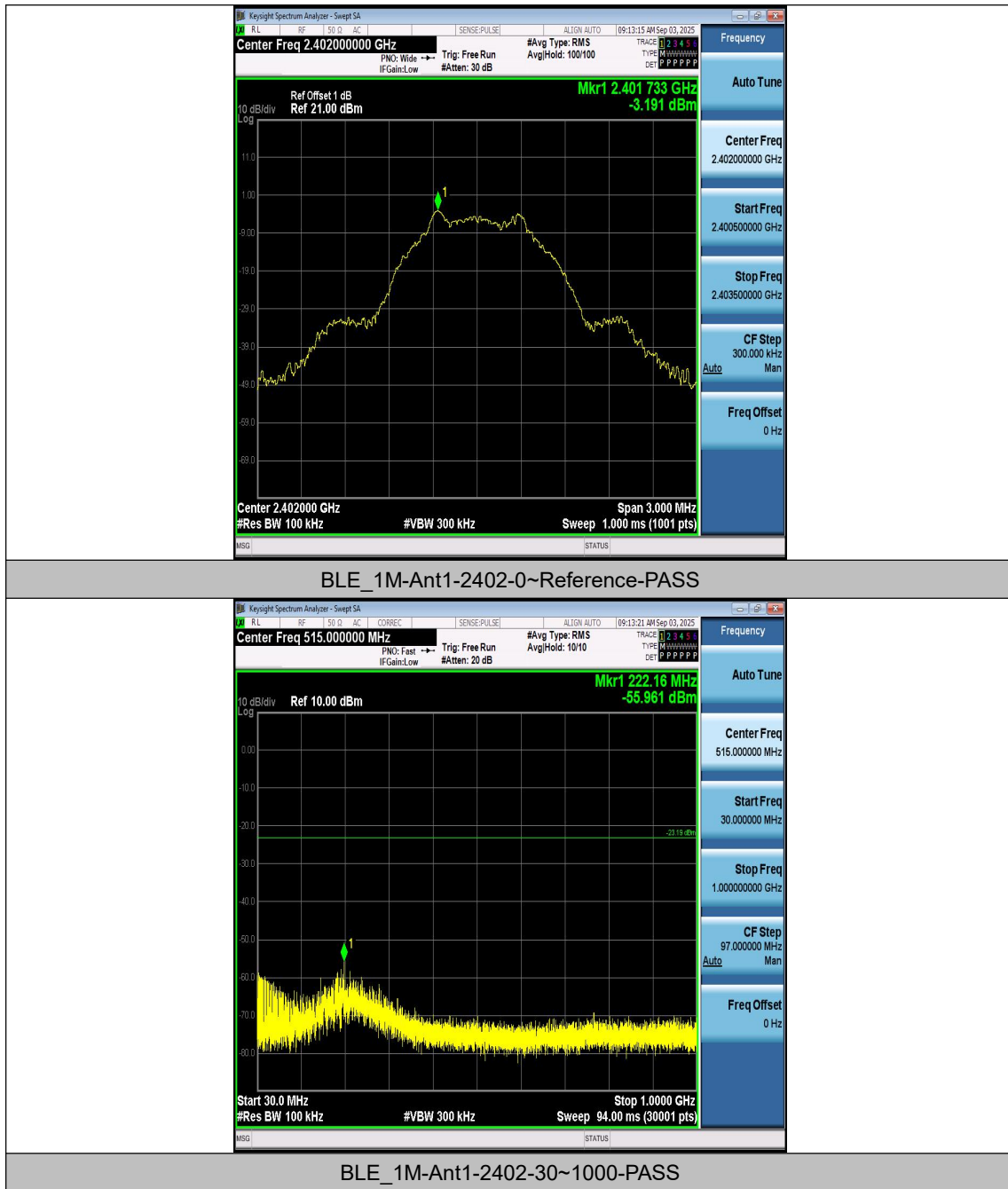
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.19	-3.19	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.19	-55.96	≤-23.19	PASS
BLE_1M	Ant1	2402	1000~26500	-3.19	-48.95	≤-23.19	PASS
BLE_1M	Ant1	2440	0~Reference	-2.04	-2.04	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.04	-57.97	≤-22.04	PASS
BLE_1M	Ant1	2440	1000~26500	-2.04	-38.53	≤-22.04	PASS
BLE_1M	Ant1	2480	0~Reference	-1.90	-1.90	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.90	-57.59	≤-21.9	PASS
BLE_1M	Ant1	2480	1000~26500	-1.90	-40.02	≤-21.9	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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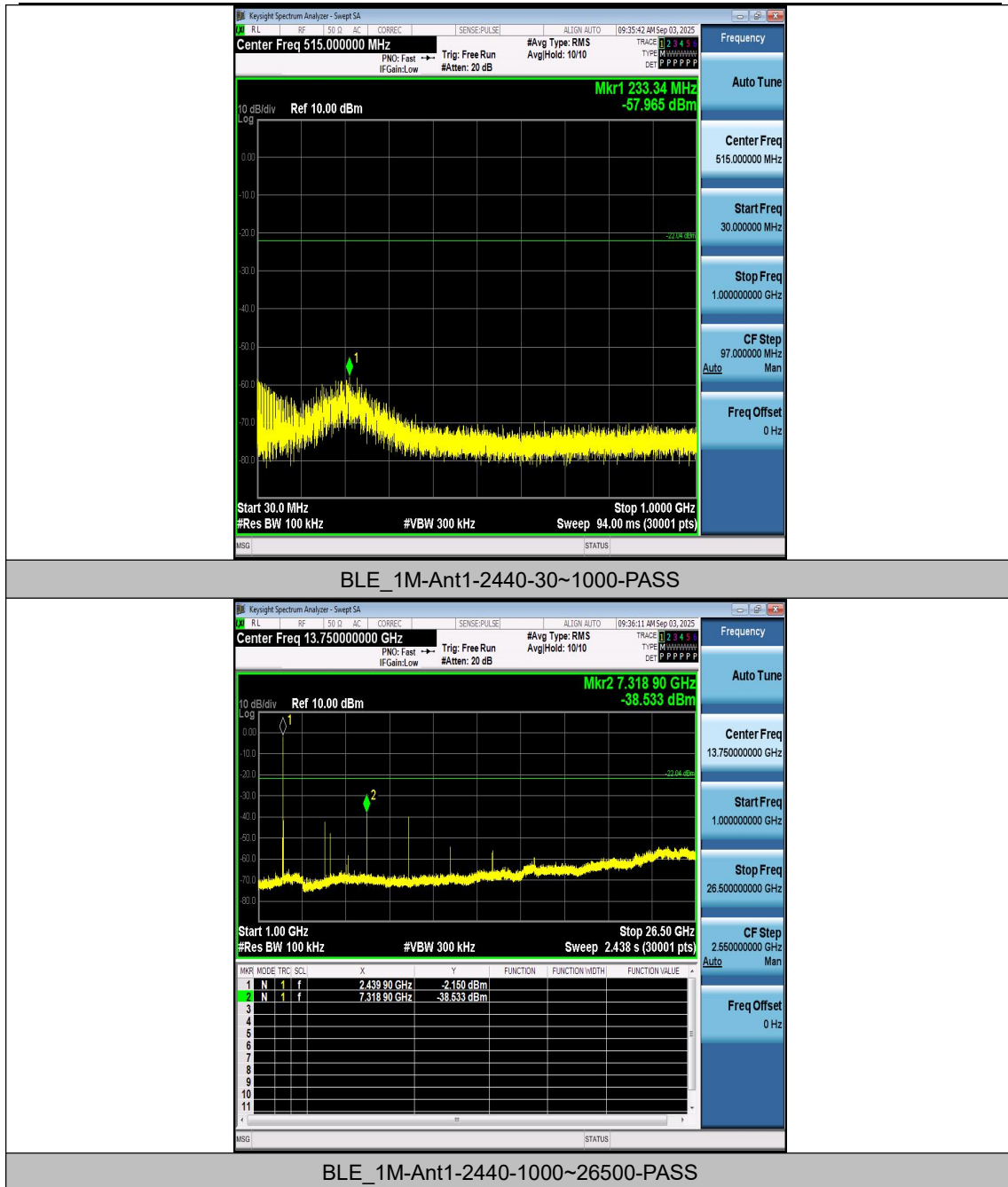
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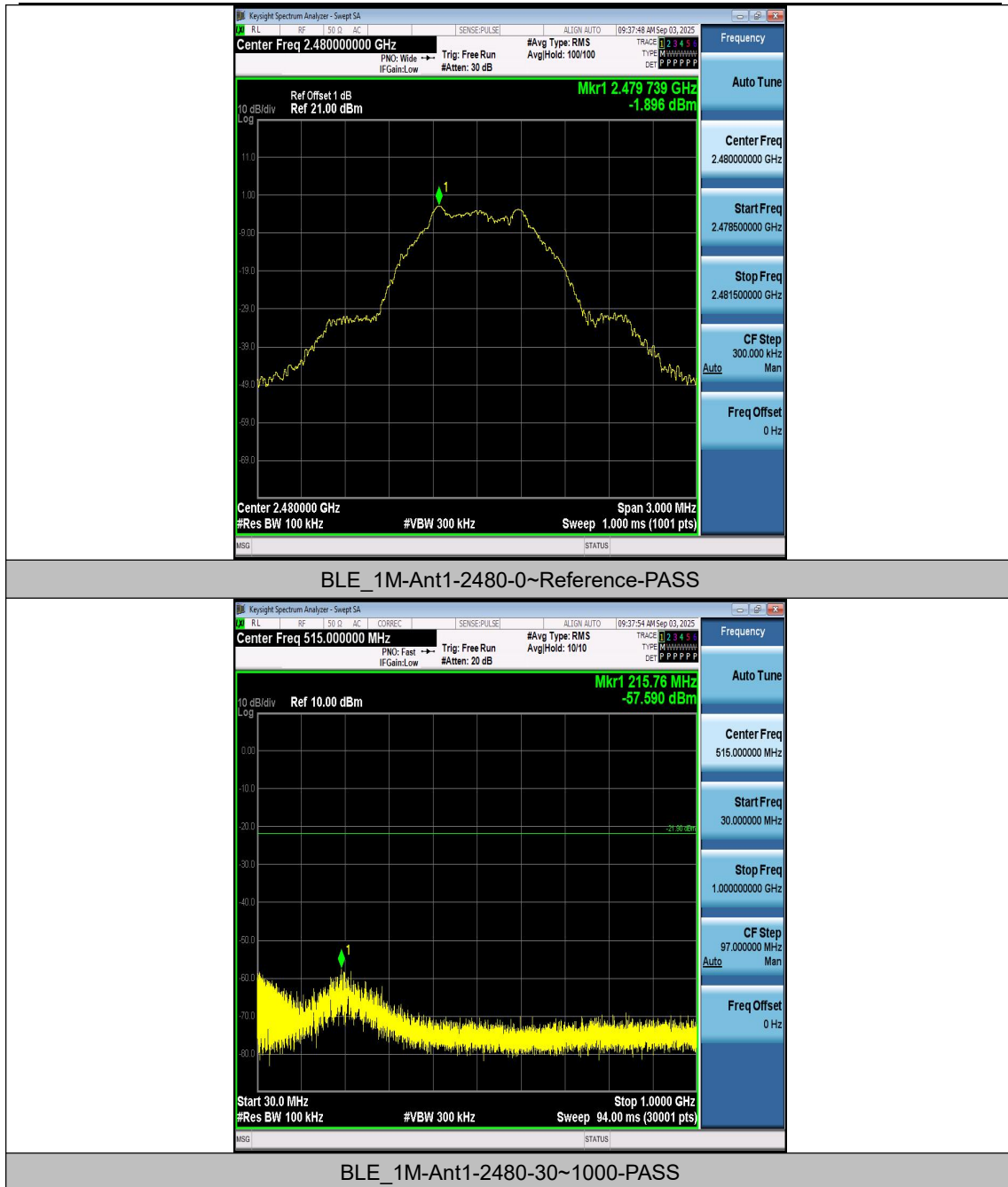
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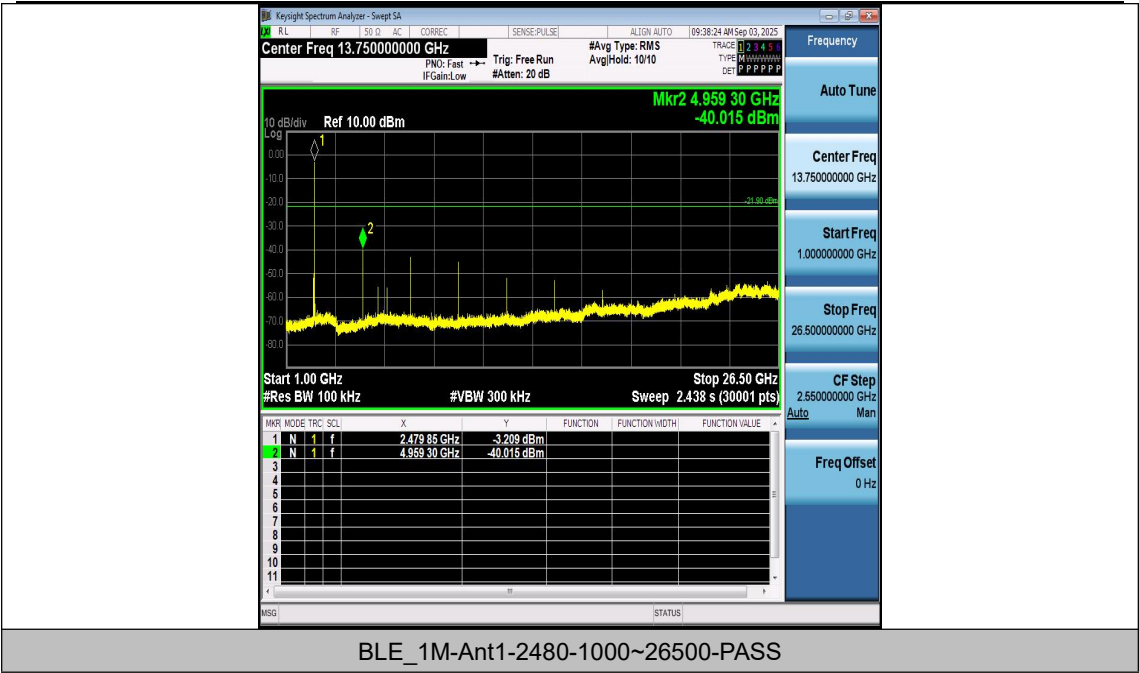
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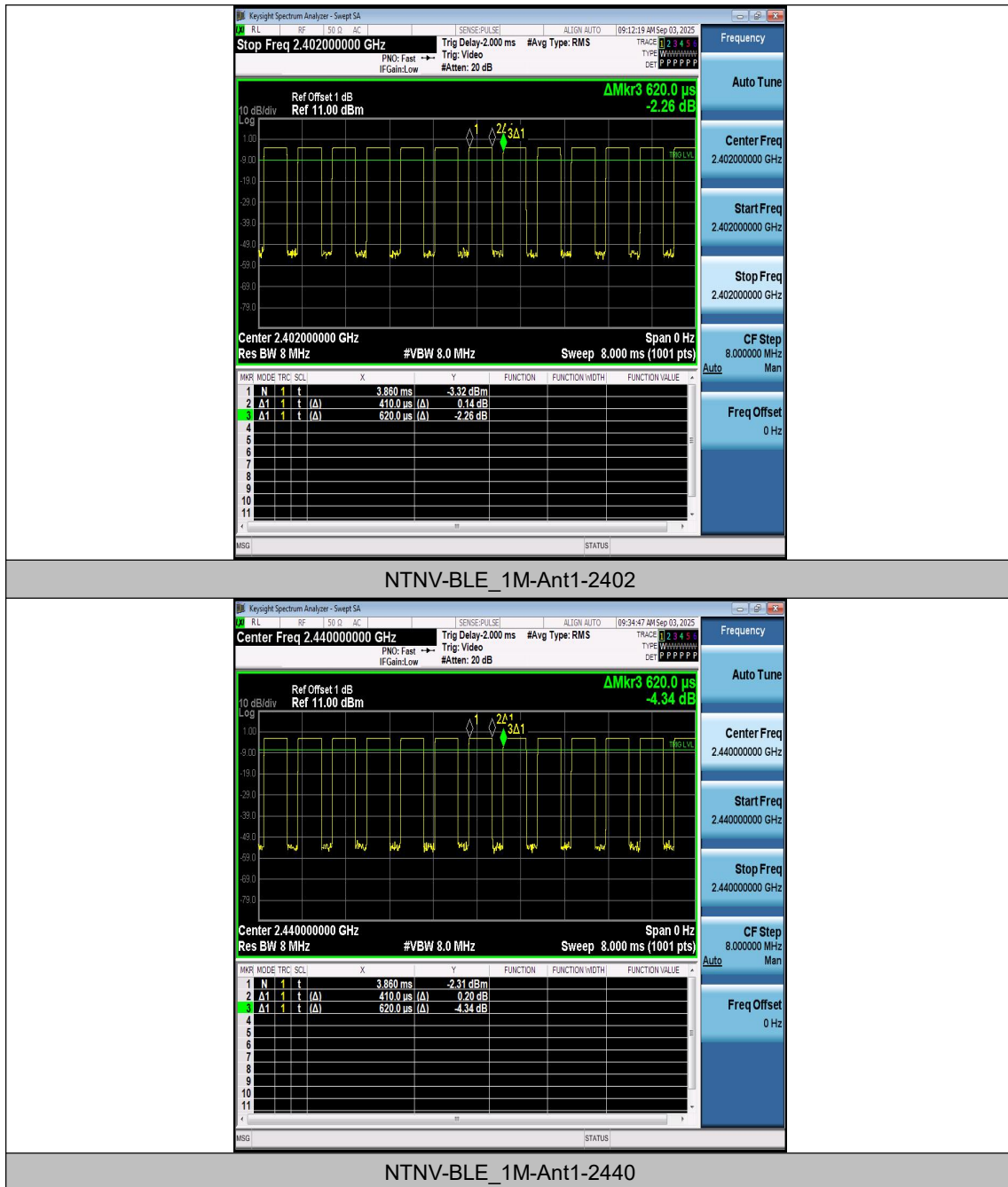
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.62	66.13	1.80
BLE_1M	Ant1	2440	0.41	0.62	66.13	1.80
BLE_1M	Ant1	2480	0.42	0.62	67.74	1.69

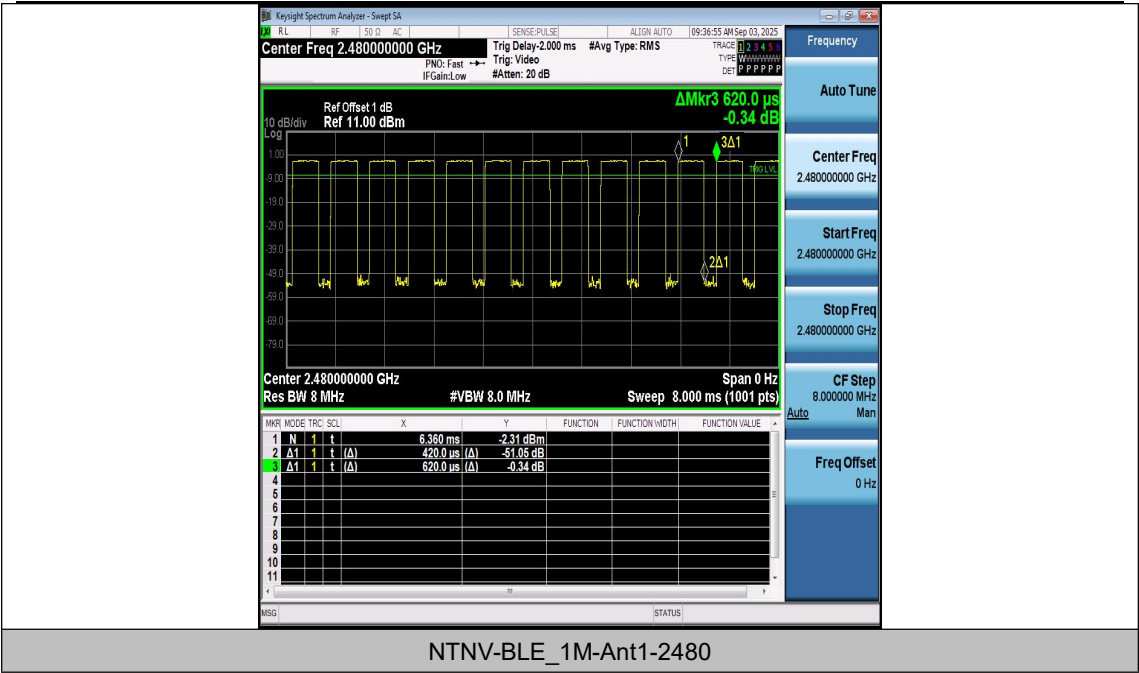
Test Graphs



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