

Appendix Test Data

Report No. : 1812C50372812502-01

Applicant : Aputure Imaging Industries Co., Ltd

Address : 3rd Floor, Building 21, Longjun industrial estate,
Longhua, Bao'an, Shenzhen, P.R.China

Product Name : Theos Bodypack DIFB Receiver

Report Date : 2025-09-08

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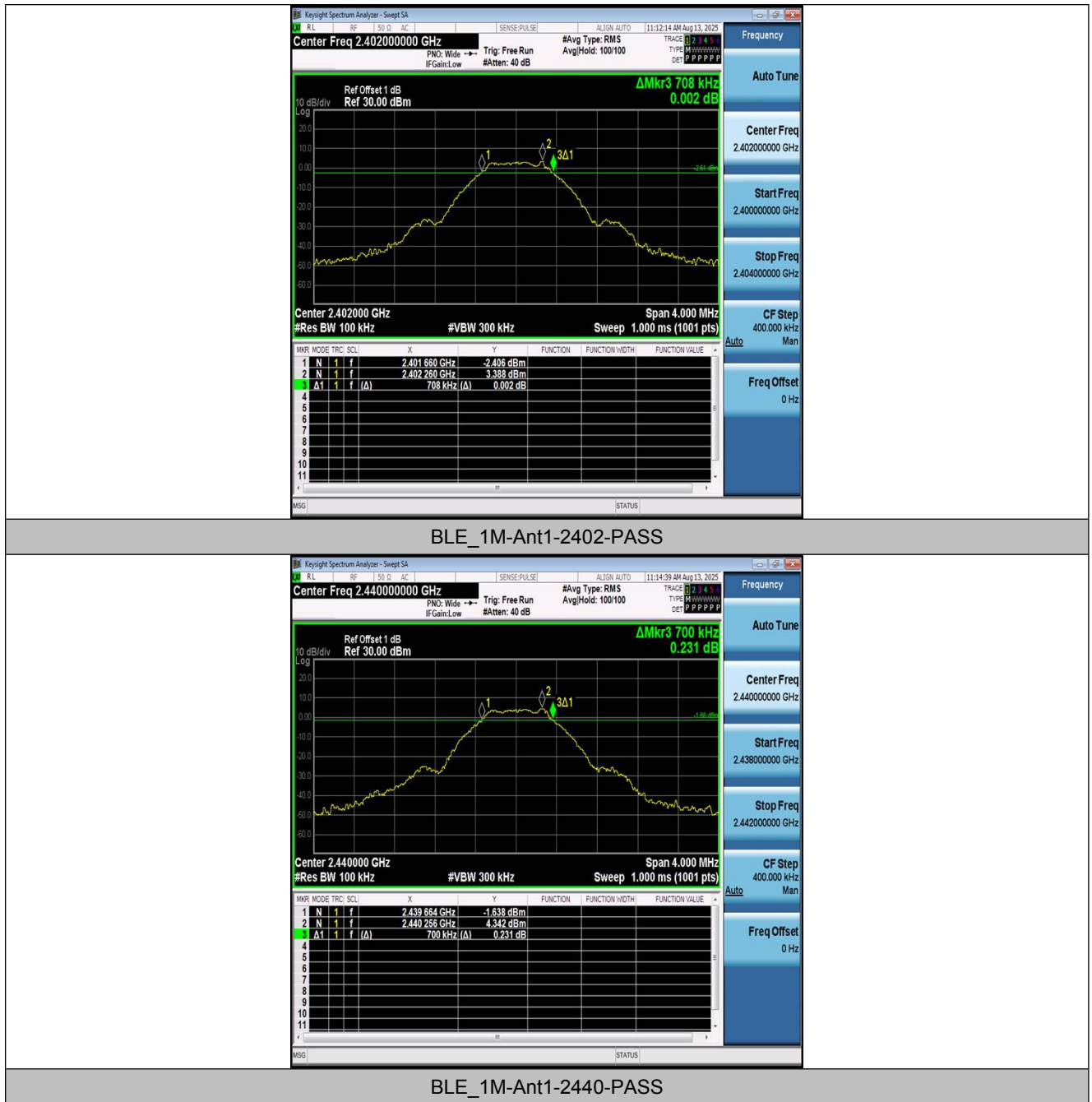
Report No.:	1812C50372812502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-08-12	Finish Test Date:	2025-08-13
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.3C°	Relative Humidity:	49%
Pressure:	101kPa		

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	0.708	2401.660	2402.368	0.5	PASS
BLE_1M	Ant1	2440	0.700	2439.664	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.712	2479.656	2480.368	0.5	PASS
BLE_2M	Ant1	2402	1.376	2401.324	2402.700	0.5	PASS
BLE_2M	Ant1	2440	1.360	2439.328	2440.688	0.5	PASS
BLE_2M	Ant1	2480	1.364	2479.324	2480.688	0.5	PASS

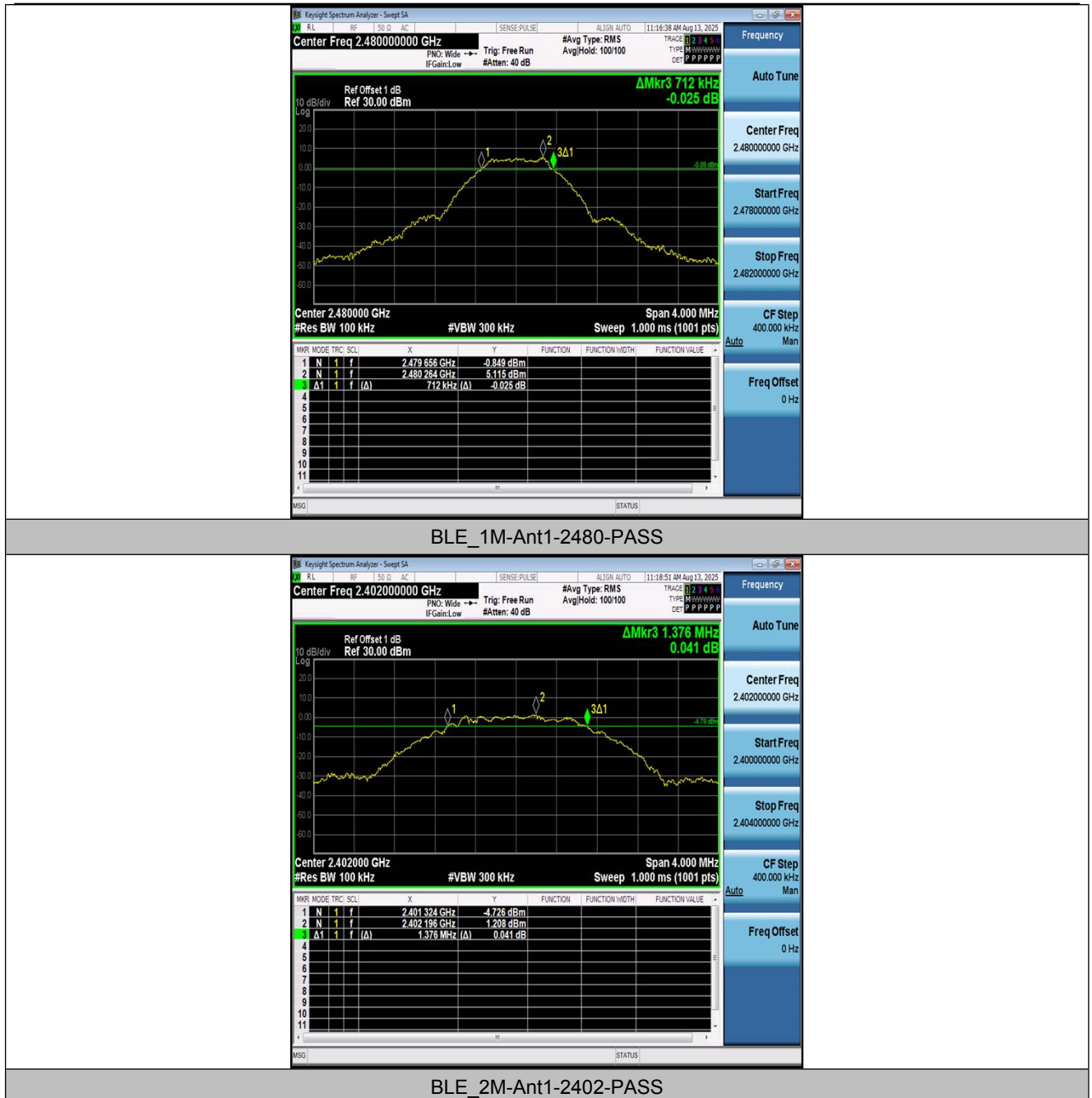
Test Graphs



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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	1.0376	2401.4954	2402.5330	---	---
BLE_1M	Ant1	2440	1.0427	2439.4905	2440.5332	---	---
BLE_1M	Ant1	2480	1.0409	2479.4935	2480.5344	---	---
BLE_2M	Ant1	2402	2.0646	2400.9953	2403.0599	---	---
BLE_2M	Ant1	2440	2.0731	2438.9928	2441.0659	---	---
BLE_2M	Ant1	2480	2.0643	2478.9962	2481.0605	---	---

Test Graphs



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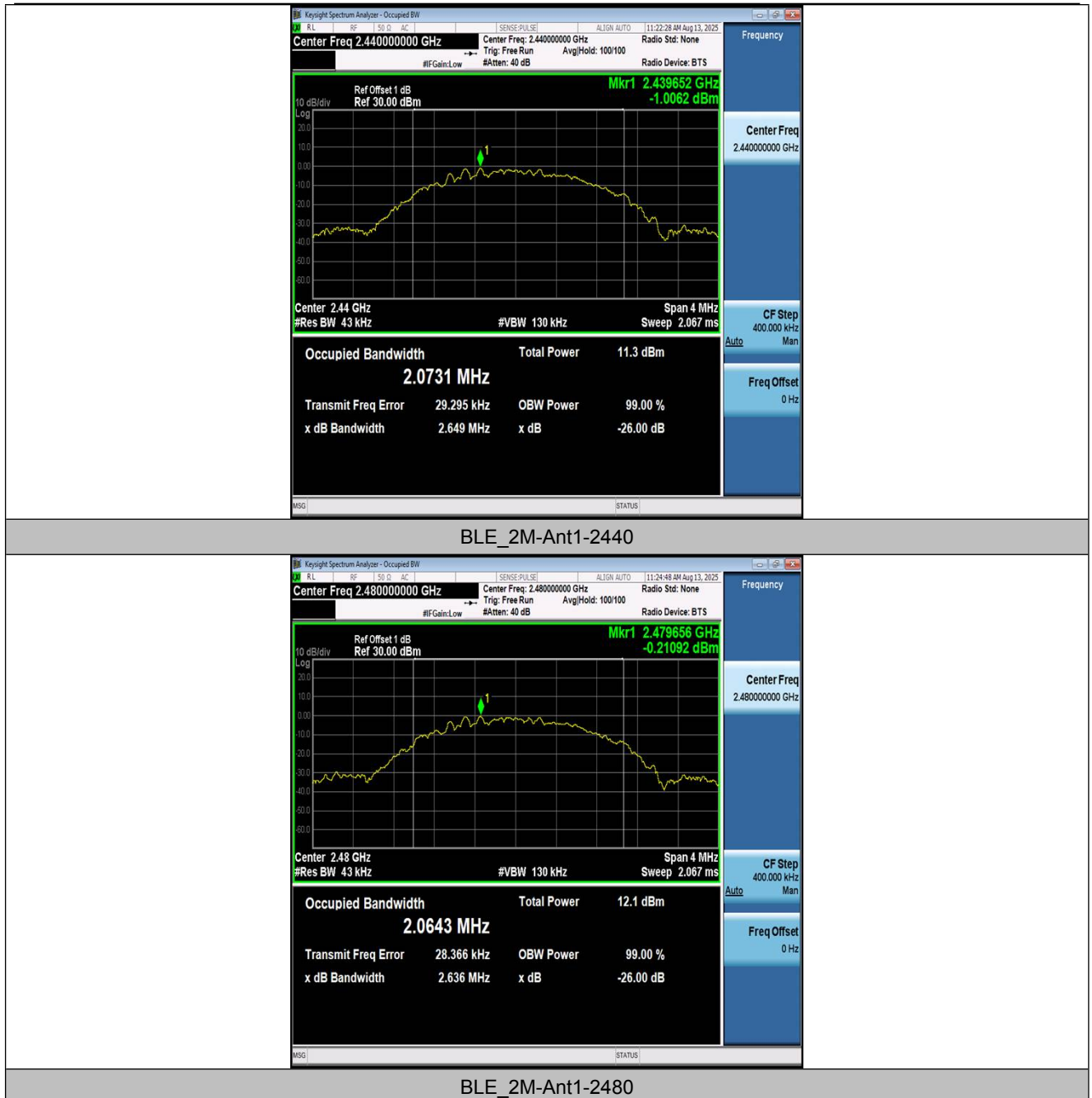
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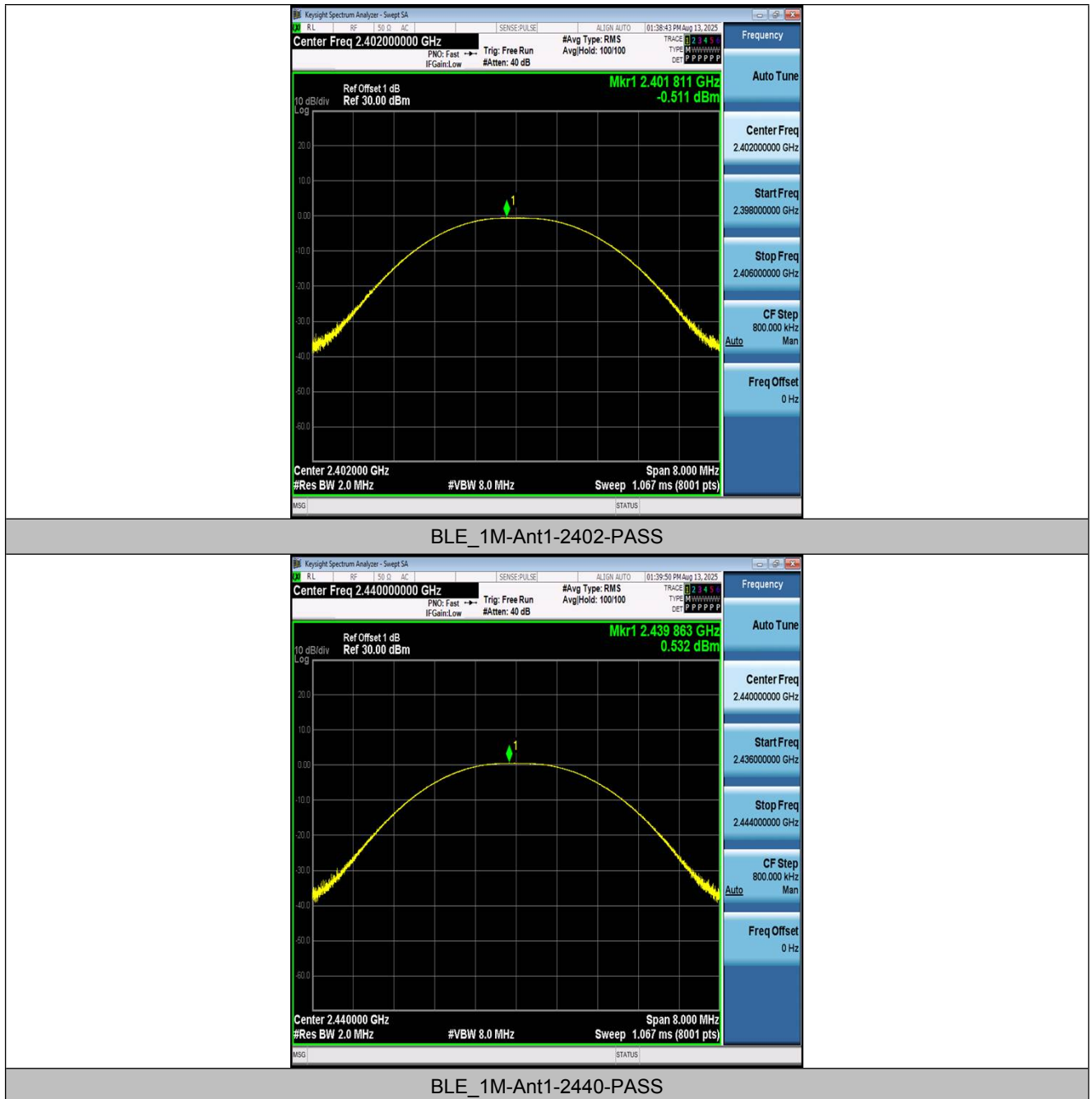
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.51	≤30	PASS
BLE_1M	Ant1	2440	0.53	≤30	PASS
BLE_1M	Ant1	2480	1.51	≤30	PASS
BLE_2M	Ant1	2402	-0.59	≤30	PASS
BLE_2M	Ant1	2440	0.42	≤30	PASS
BLE_2M	Ant1	2480	1.42	≤30	PASS

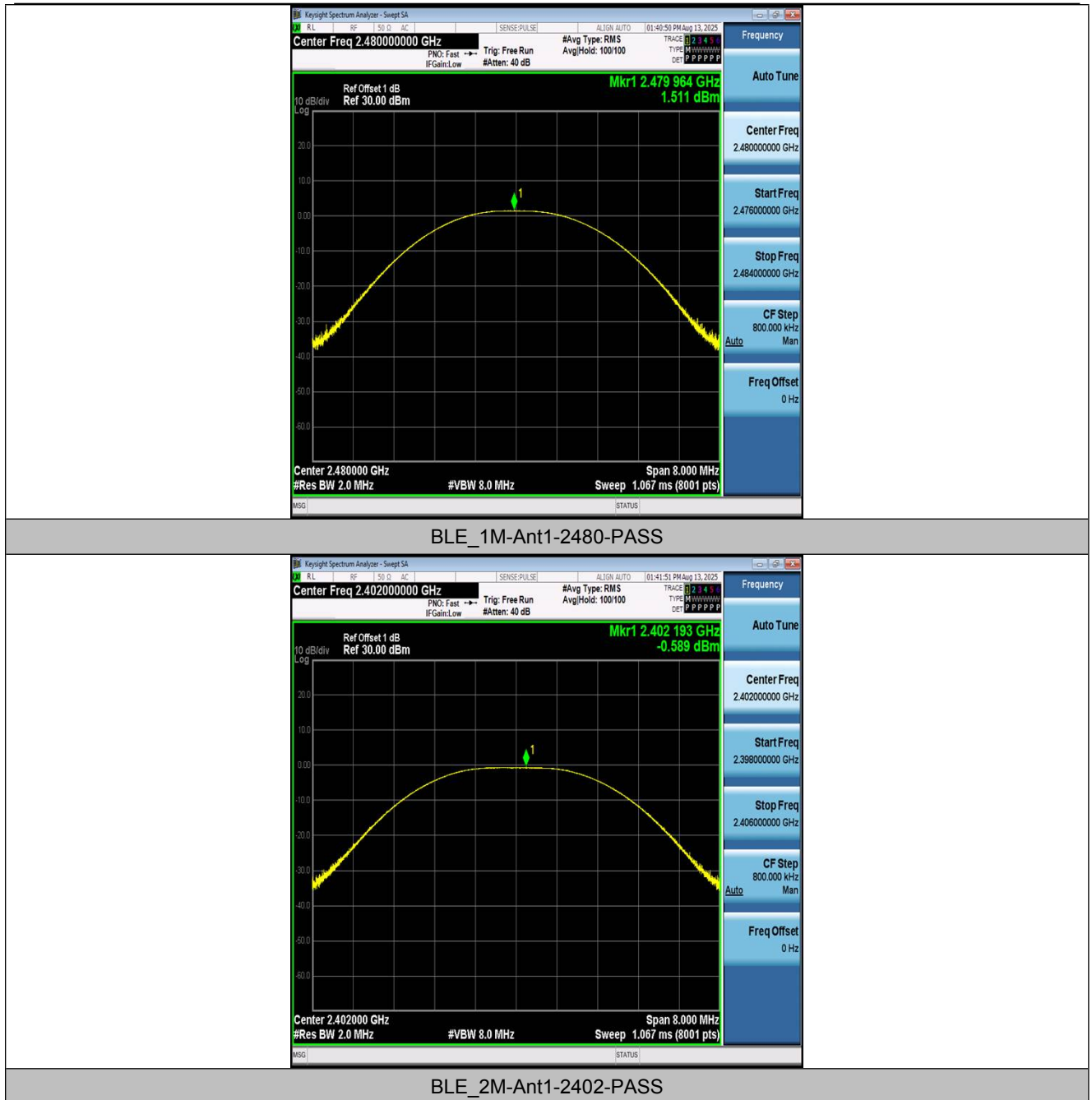
Test Graphs Peak



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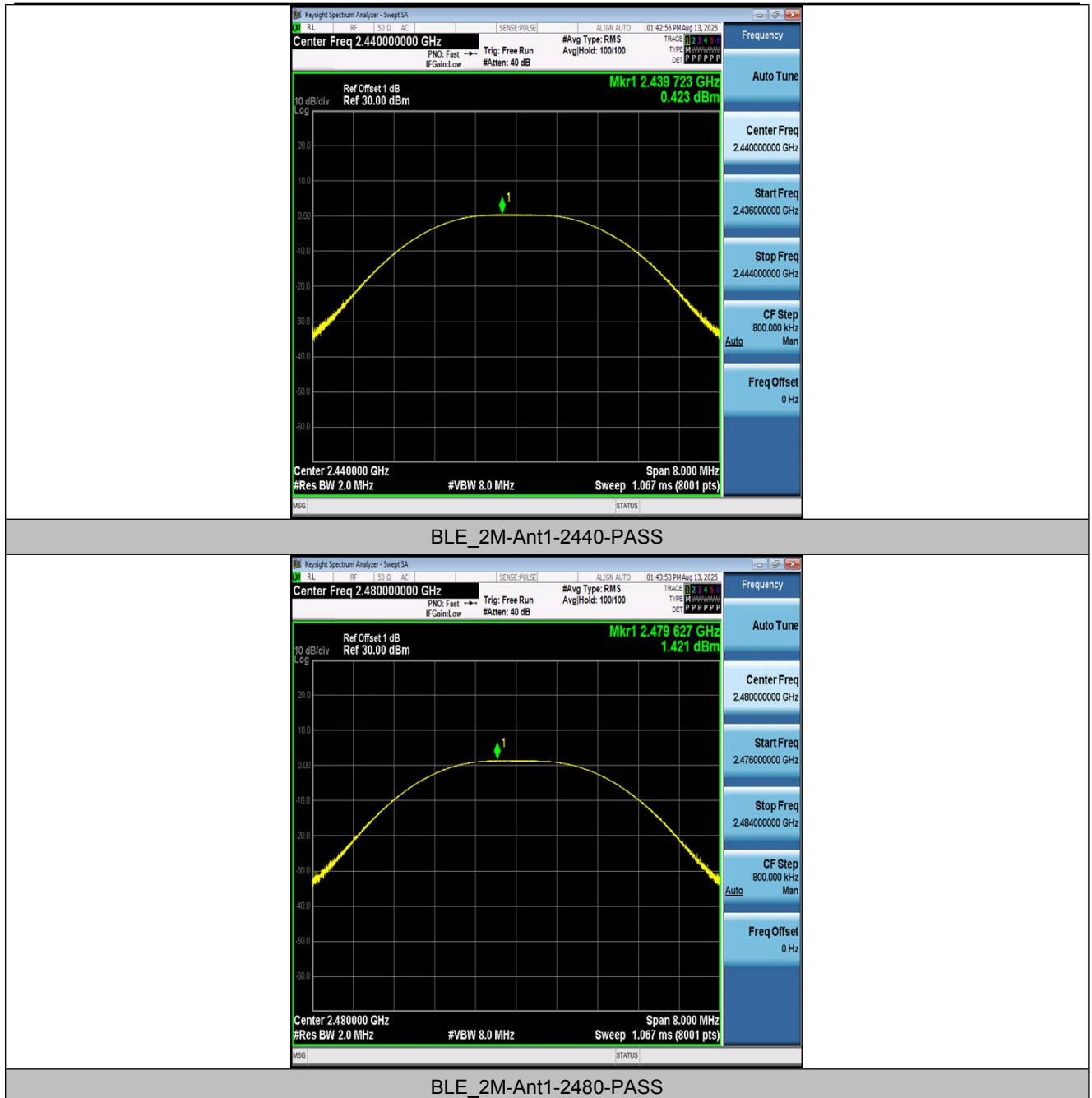
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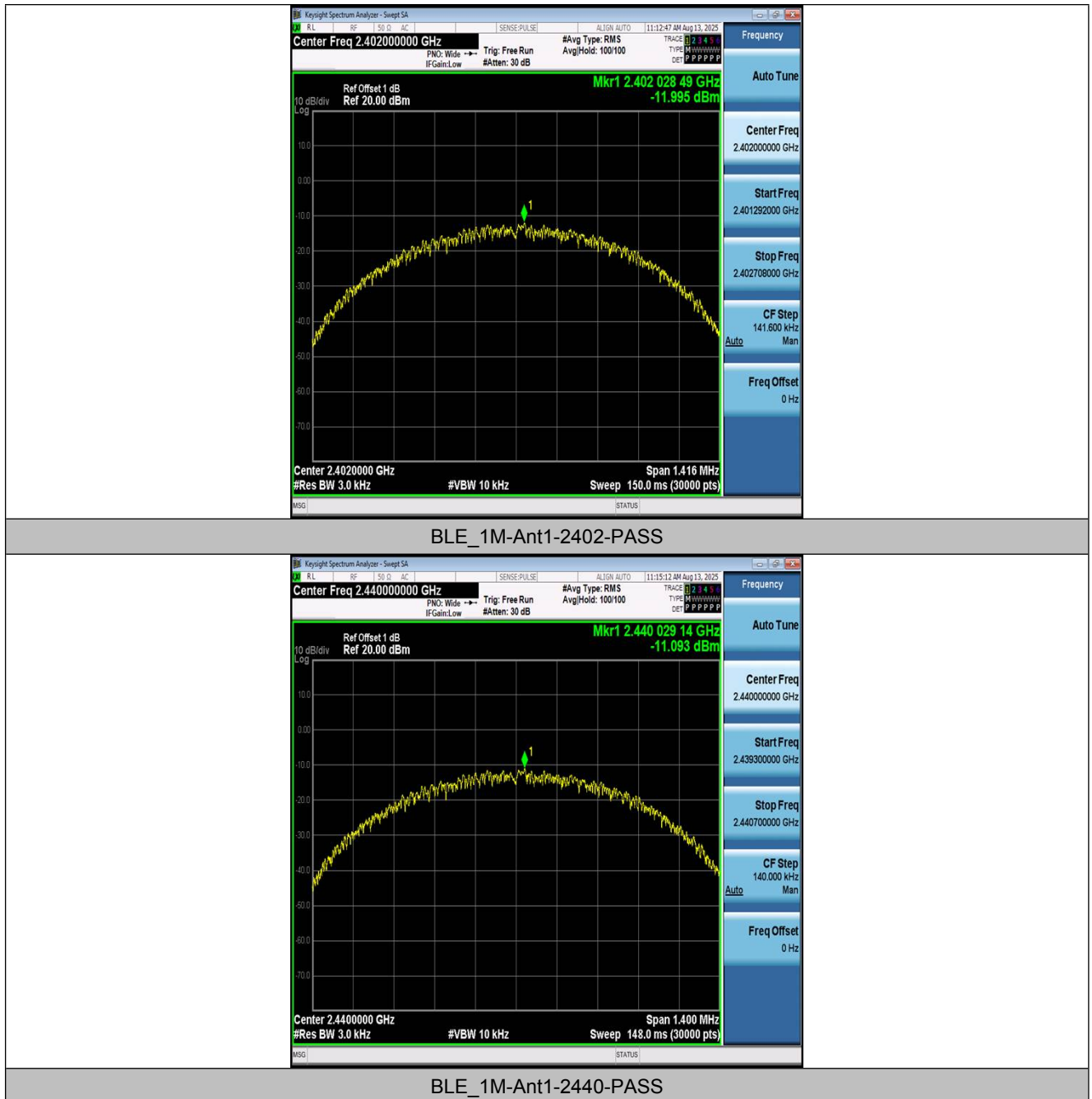
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.00	≤8.00	PASS
BLE_1M	Ant1	2440	-11.09	≤8.00	PASS
BLE_1M	Ant1	2480	-10.29	≤8.00	PASS
BLE_2M	Ant1	2402	-16.48	≤8.00	PASS
BLE_2M	Ant1	2440	-15.44	≤8.00	PASS
BLE_2M	Ant1	2480	-14.59	≤8.00	PASS

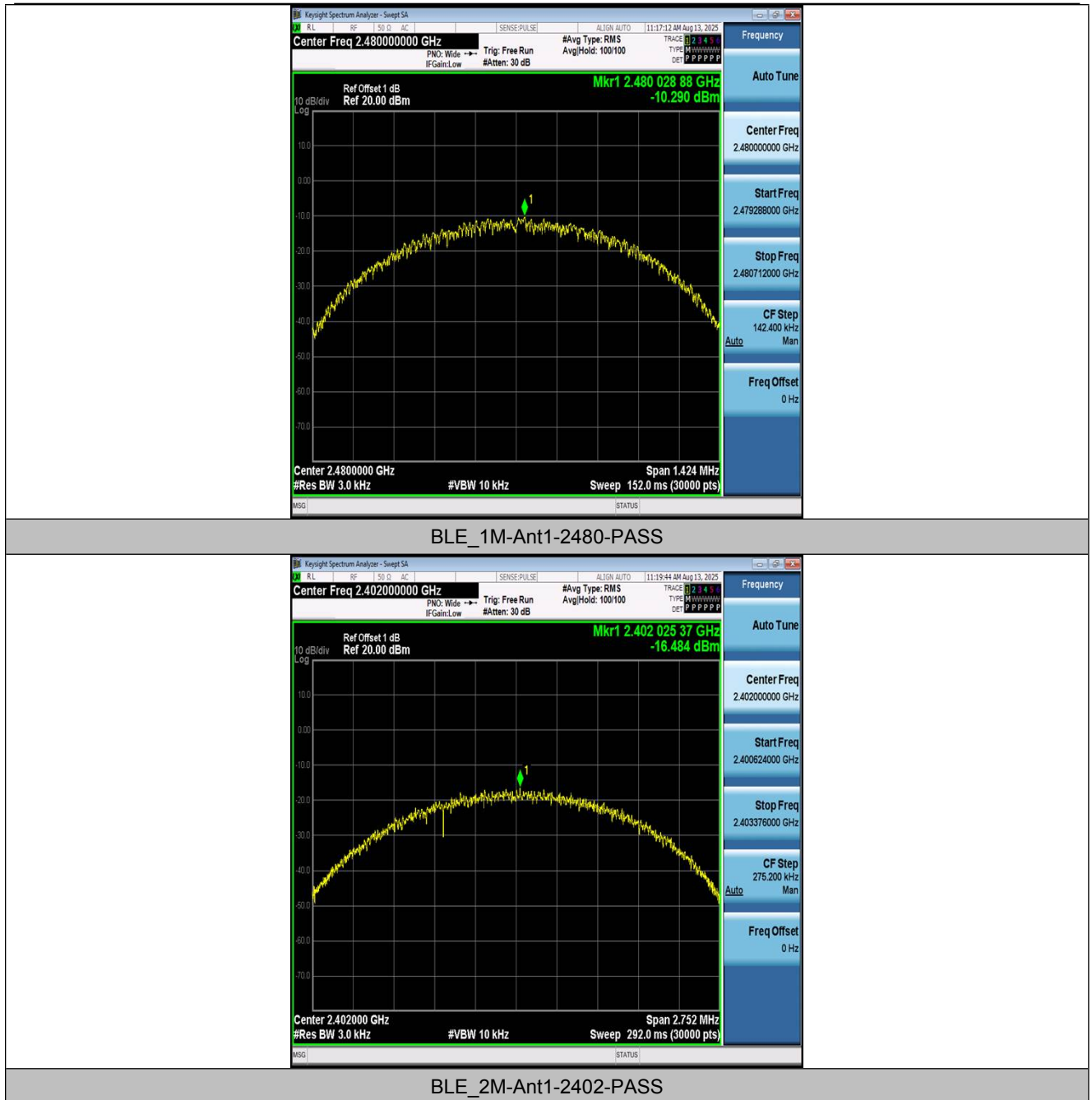
Test Graphs



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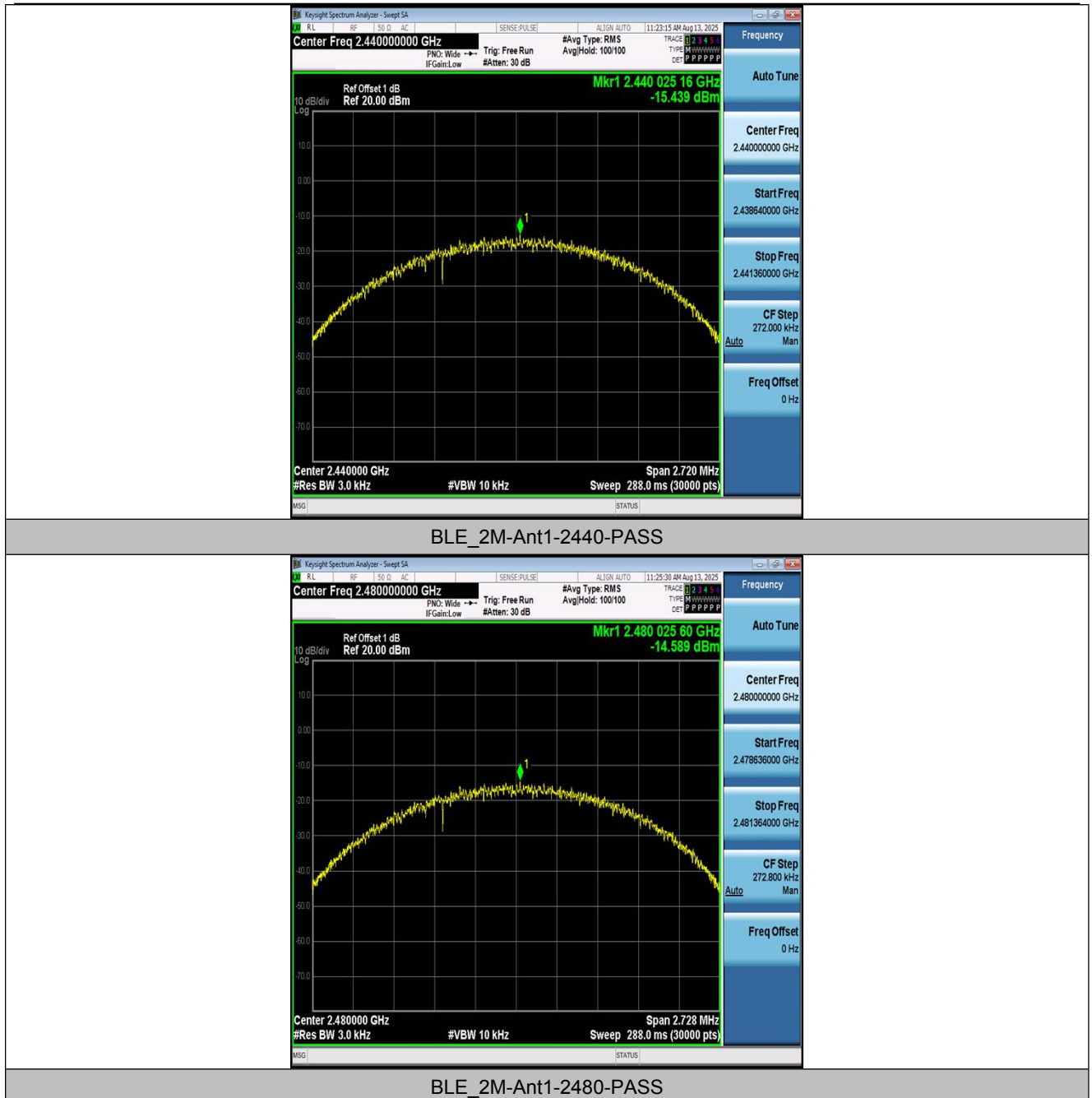
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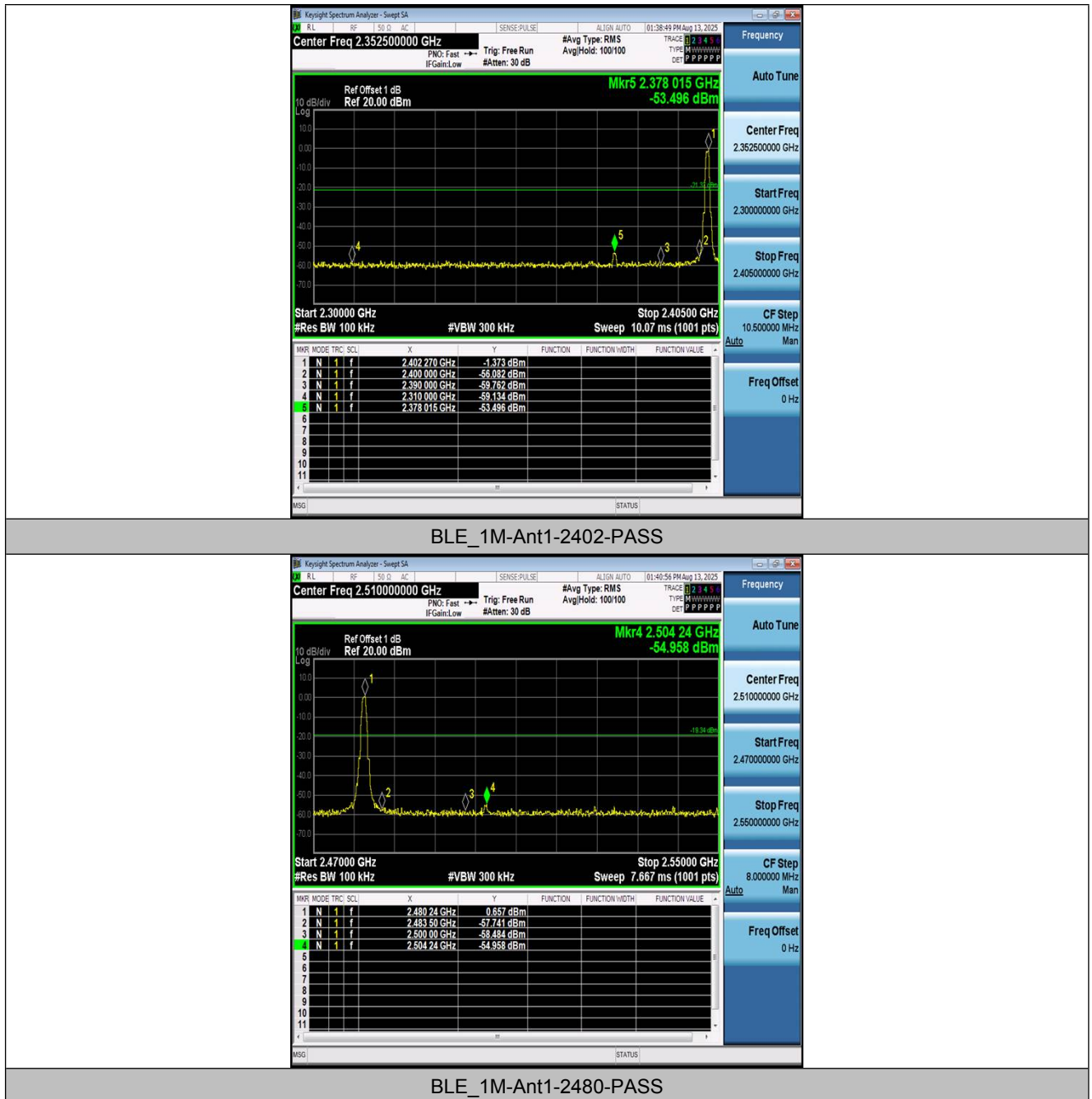
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.37	-53.5	≤-21.37	PASS
BLE_1M	Ant1	High	2480	0.66	-54.96	≤-19.34	PASS
BLE_2M	Ant1	Low	2402	-3.15	-39.09	≤-23.15	PASS
BLE_2M	Ant1	High	2480	-1.06	-54.01	≤-21.06	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.

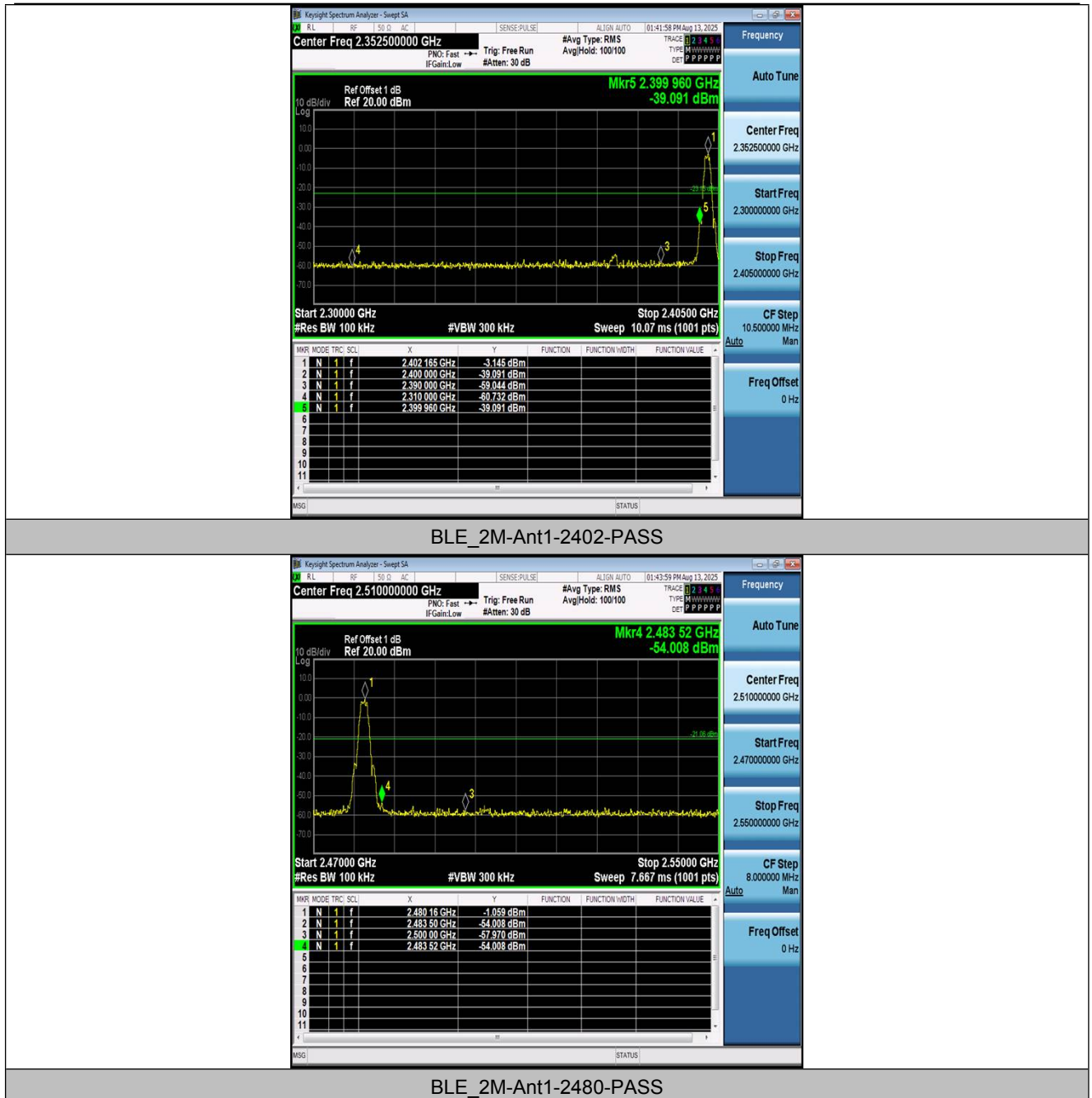
Test Graphs



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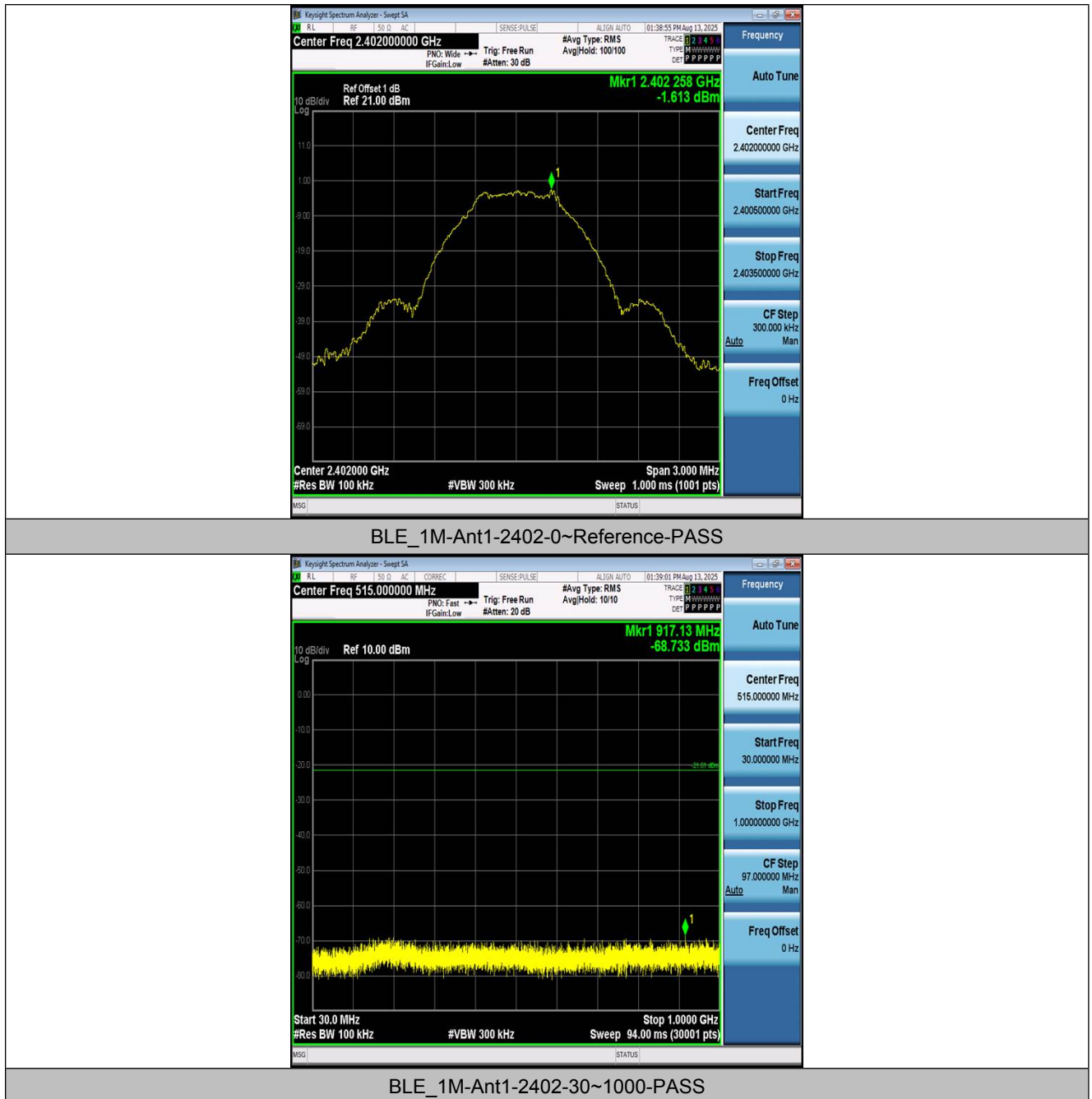
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.61	-1.61	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.61	-68.73	≤-21.61	PASS
BLE_1M	Ant1	2402	1000~26500	-1.61	-46.68	≤-21.61	PASS
BLE_1M	Ant1	2440	0~Reference	-0.65	-0.65	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.65	-68.26	≤-20.65	PASS
BLE_1M	Ant1	2440	1000~26500	-0.65	-53.05	≤-20.65	PASS
BLE_1M	Ant1	2480	0~Reference	0.40	0.40	---	PASS
BLE_1M	Ant1	2480	30~1000	0.40	-68.02	≤-19.6	PASS
BLE_1M	Ant1	2480	1000~26500	0.40	-53.74	≤-19.6	PASS
BLE_2M	Ant1	2402	0~Reference	-3.84	-3.84	---	PASS
BLE_2M	Ant1	2402	30~1000	-3.84	-68.43	≤-23.84	PASS
BLE_2M	Ant1	2402	1000~26500	-3.84	-53.32	≤-23.84	PASS
BLE_2M	Ant1	2440	0~Reference	-2.86	-2.86	---	PASS
BLE_2M	Ant1	2440	30~1000	-2.86	-67.67	≤-22.86	PASS
BLE_2M	Ant1	2440	1000~26500	-2.86	-52.04	≤-22.86	PASS
BLE_2M	Ant1	2480	0~Reference	-1.82	-1.82	---	PASS
BLE_2M	Ant1	2480	30~1000	-1.82	-68.7	≤-21.82	PASS
BLE_2M	Ant1	2480	1000~26500	-1.82	-52.75	≤-21.82	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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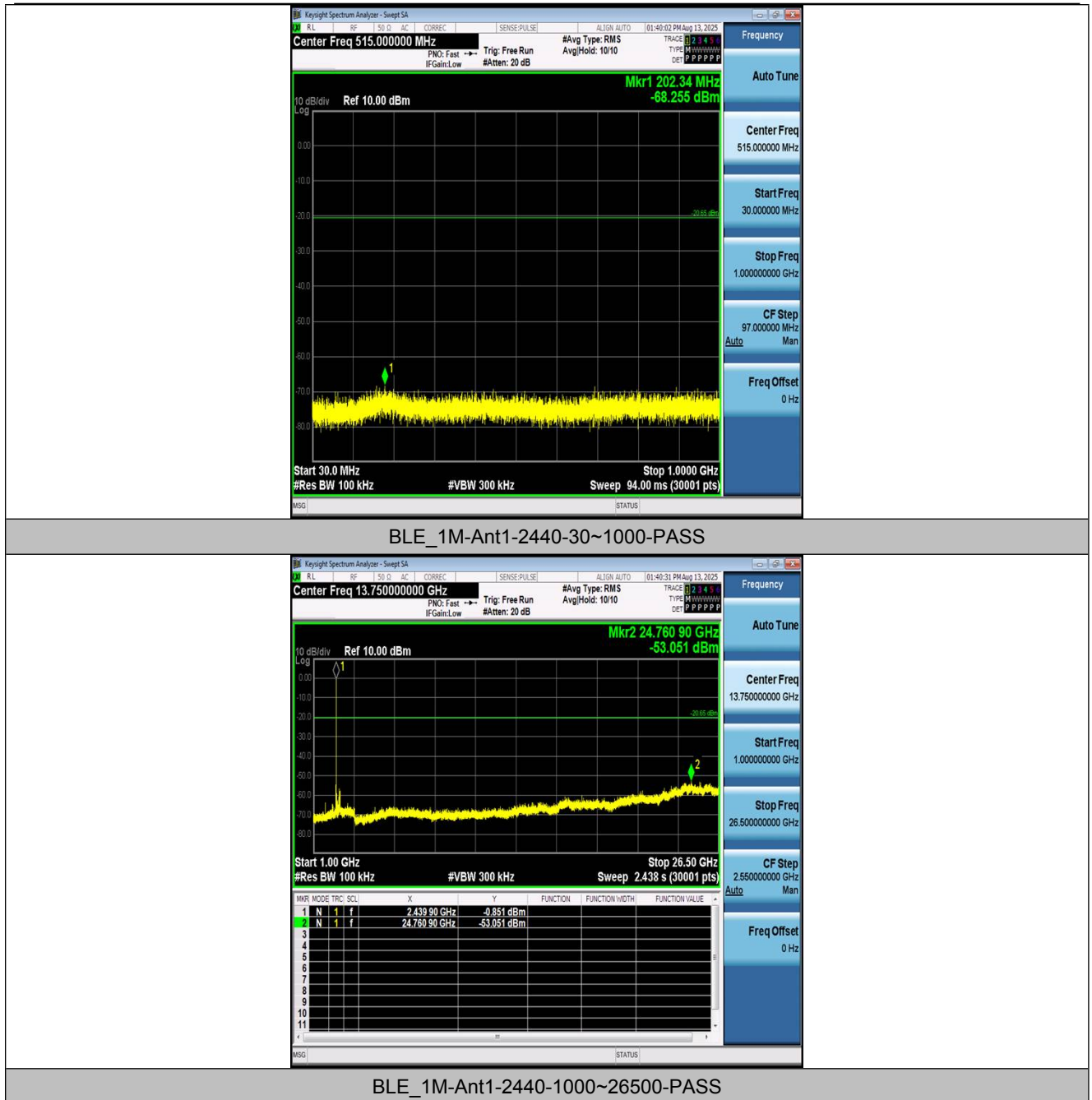
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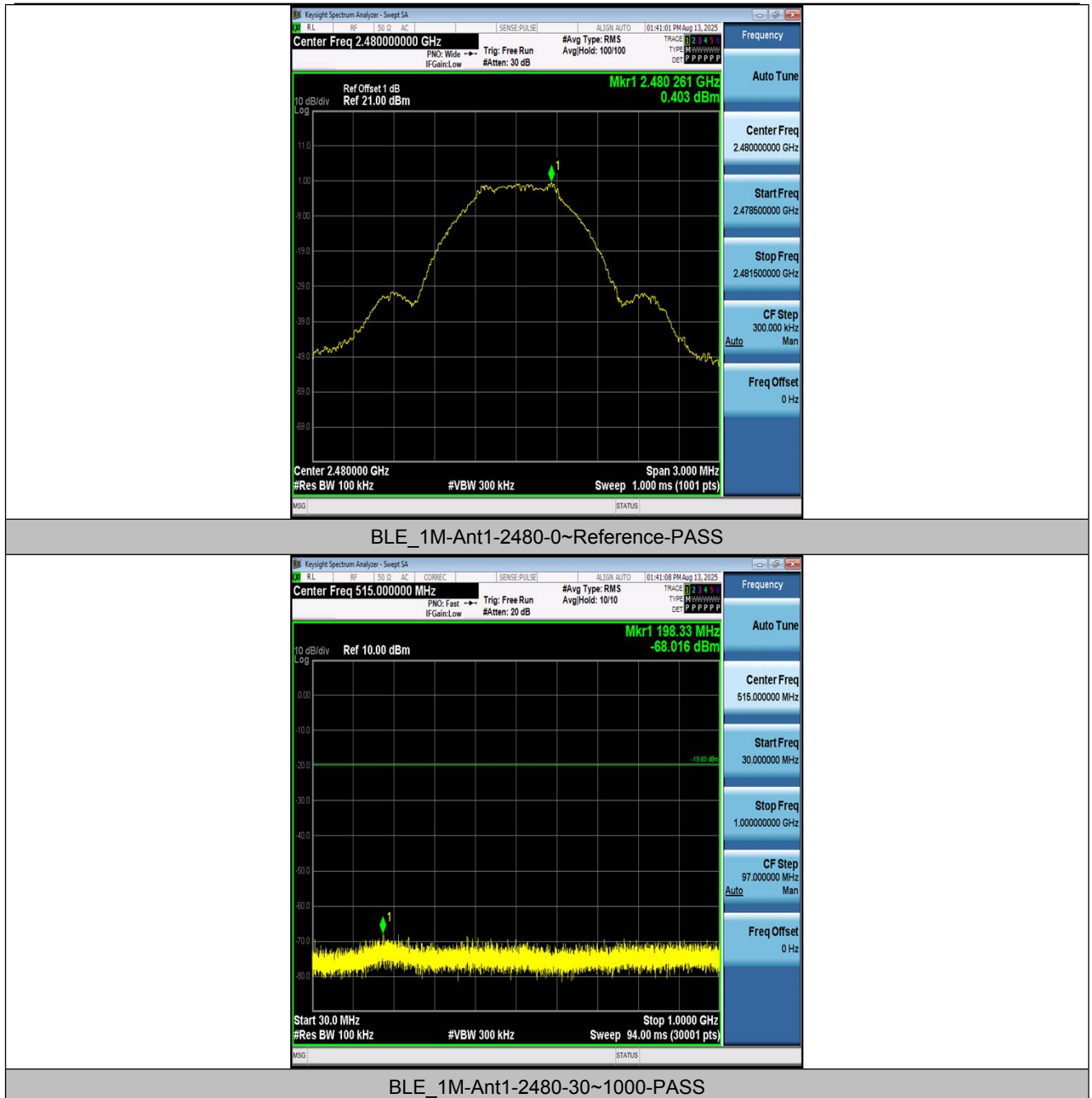
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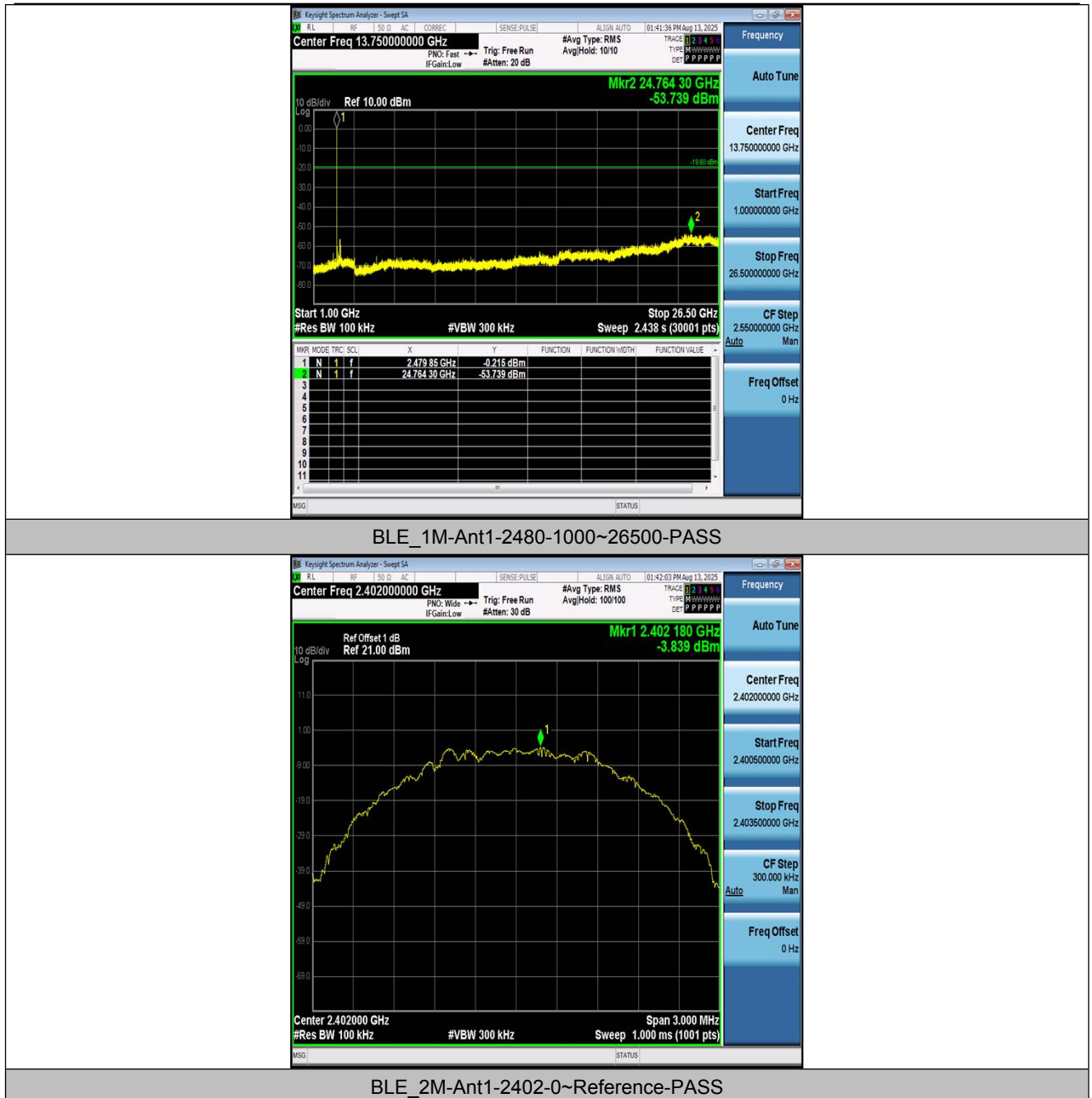
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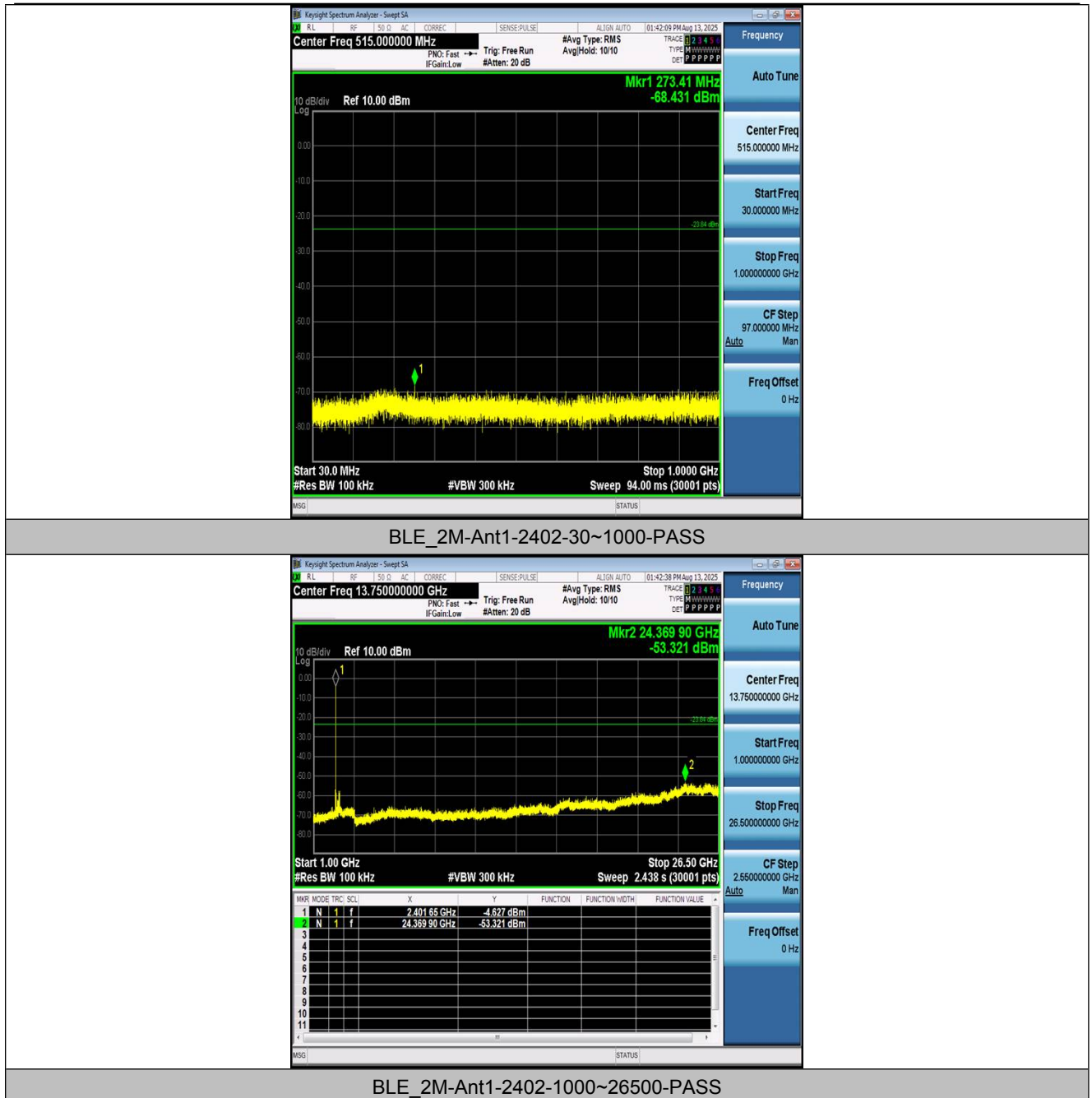
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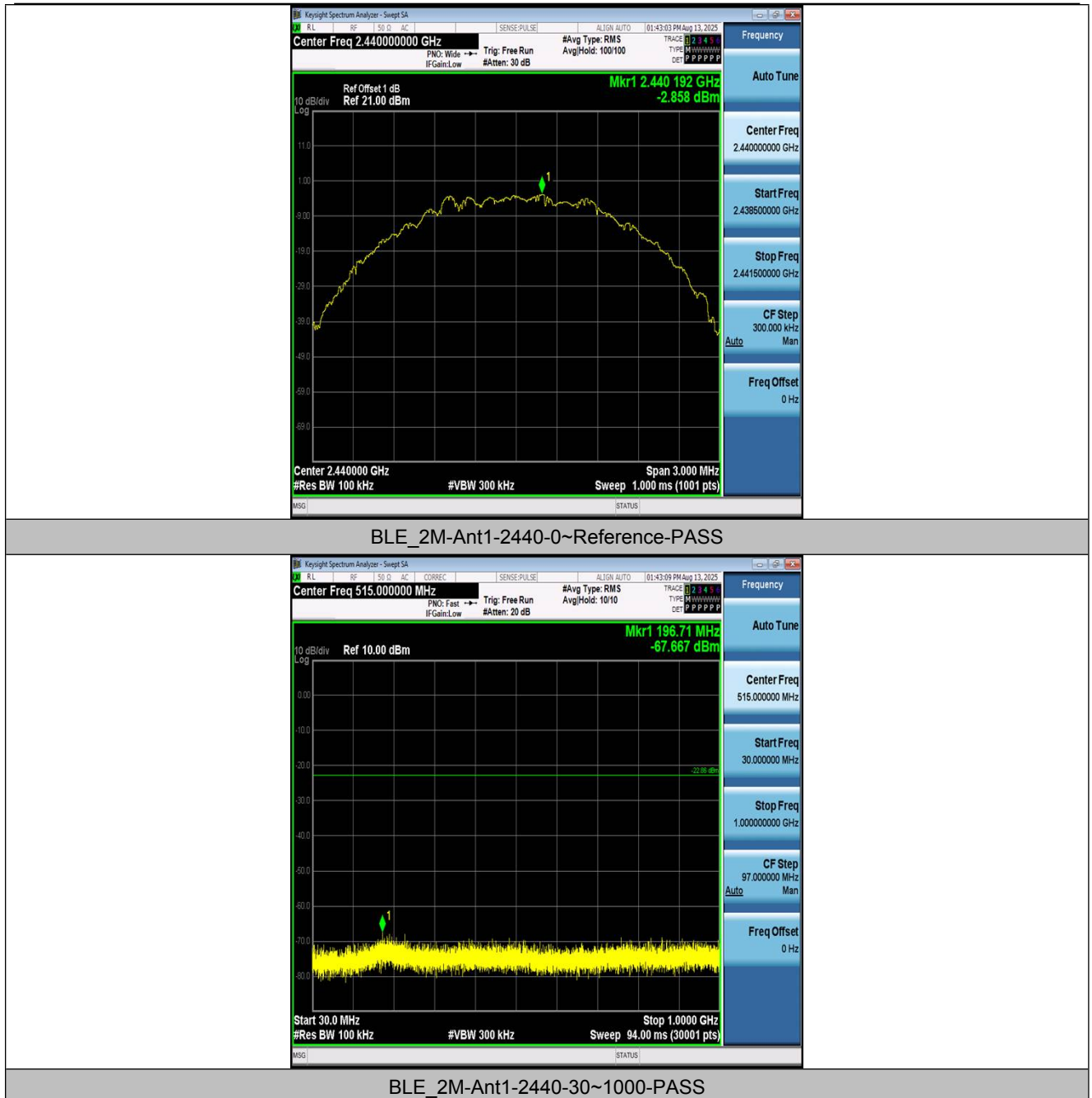
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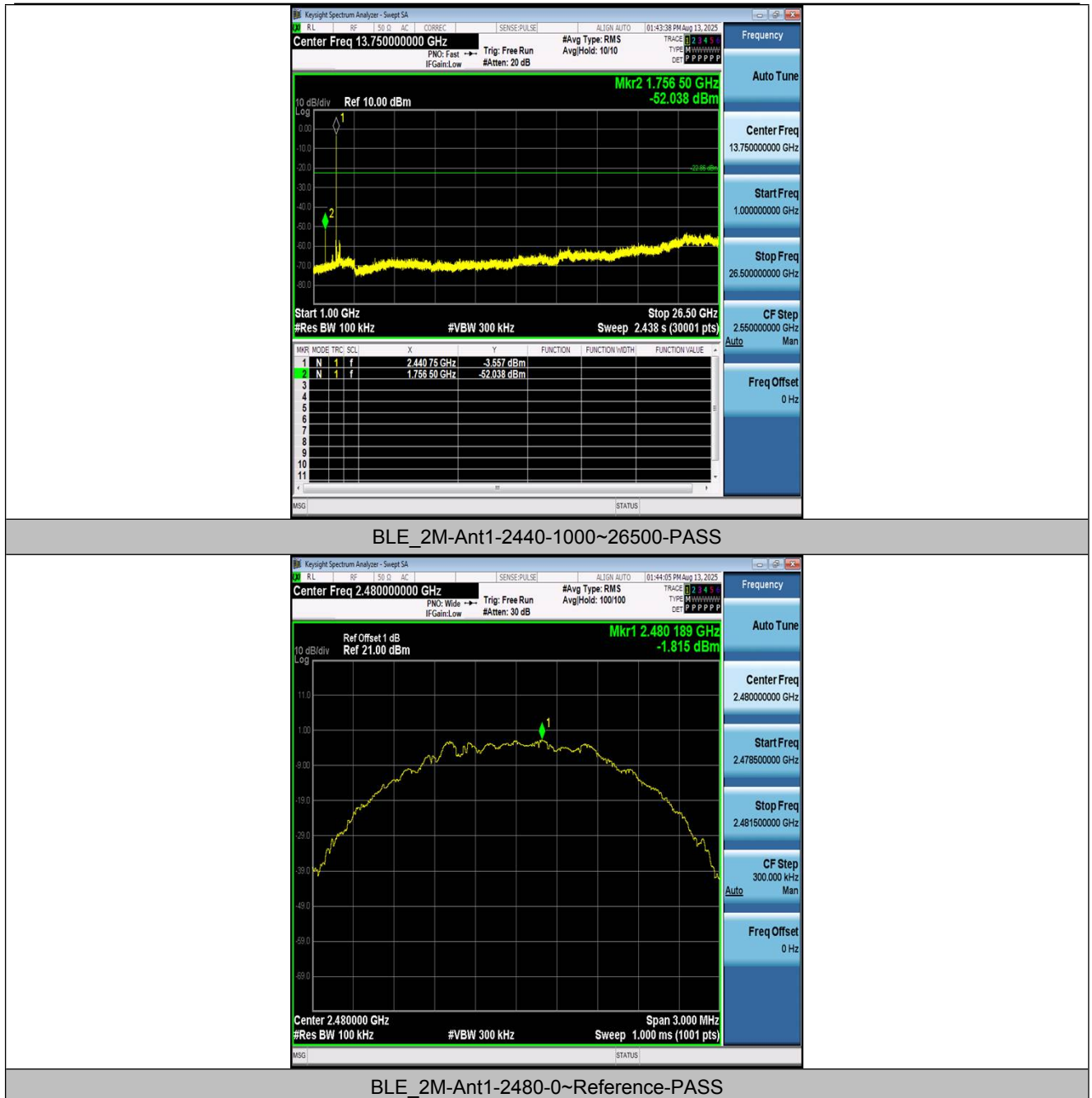
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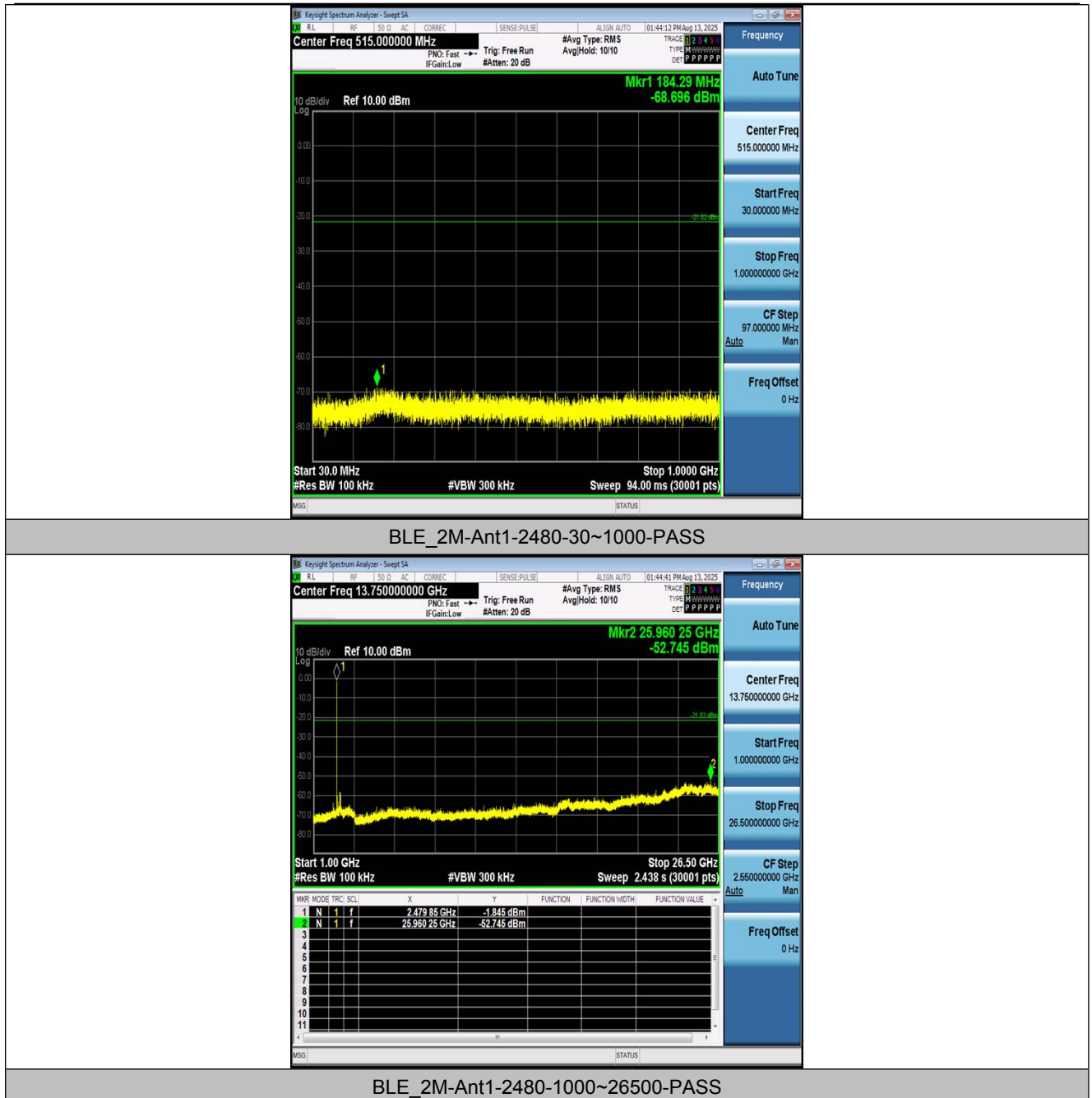
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Appendix G: Duty Cycle

Test Result

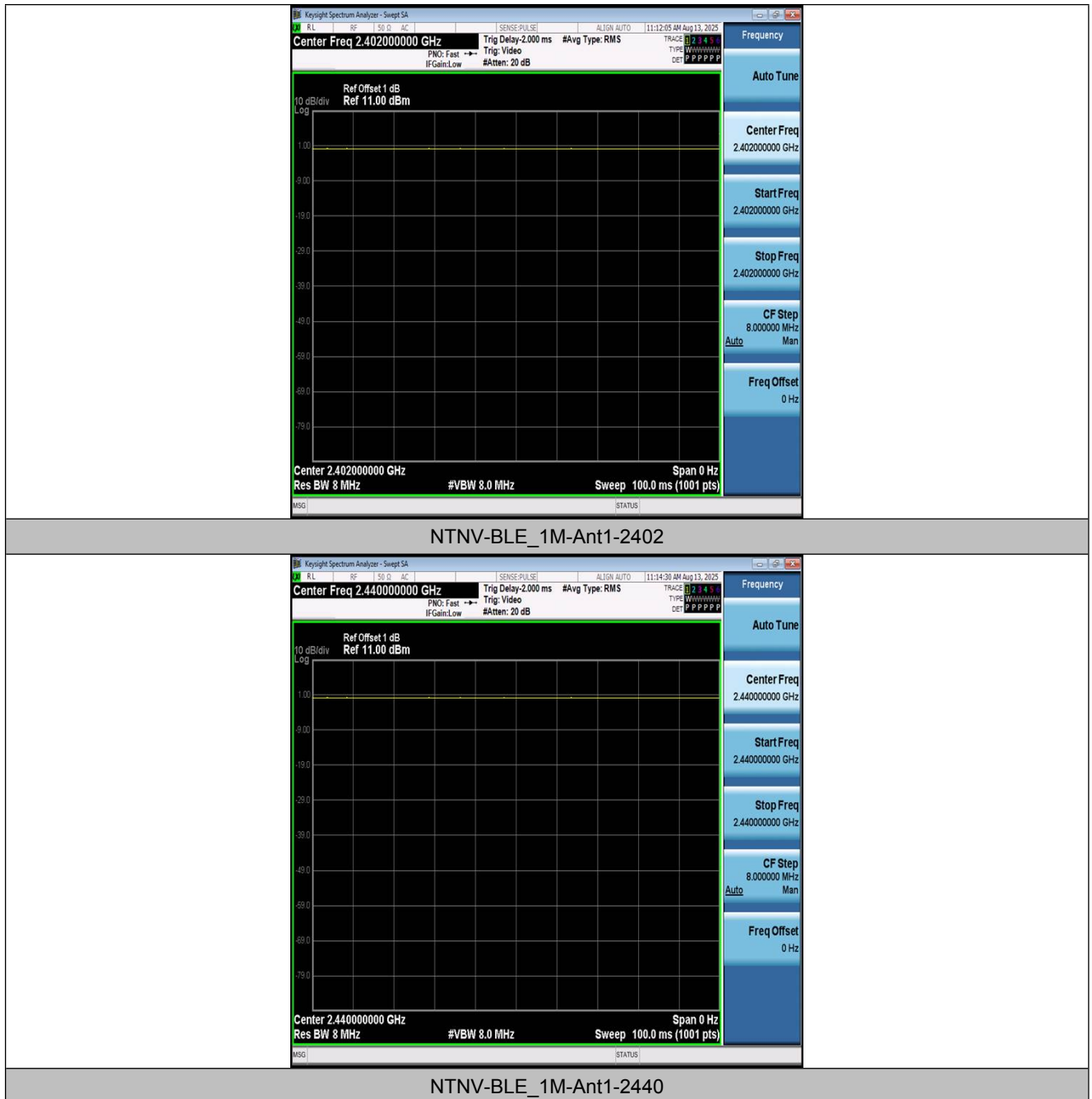
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100	100	100	0
BLE_1M	Ant1	2440	100	100	100	0
BLE_1M	Ant1	2480	100	100	100	0
BLE_2M	Ant1	2402	100	100	100	0
BLE_2M	Ant1	2440	100	100	100	0
BLE_2M	Ant1	2480	100	100	100	0

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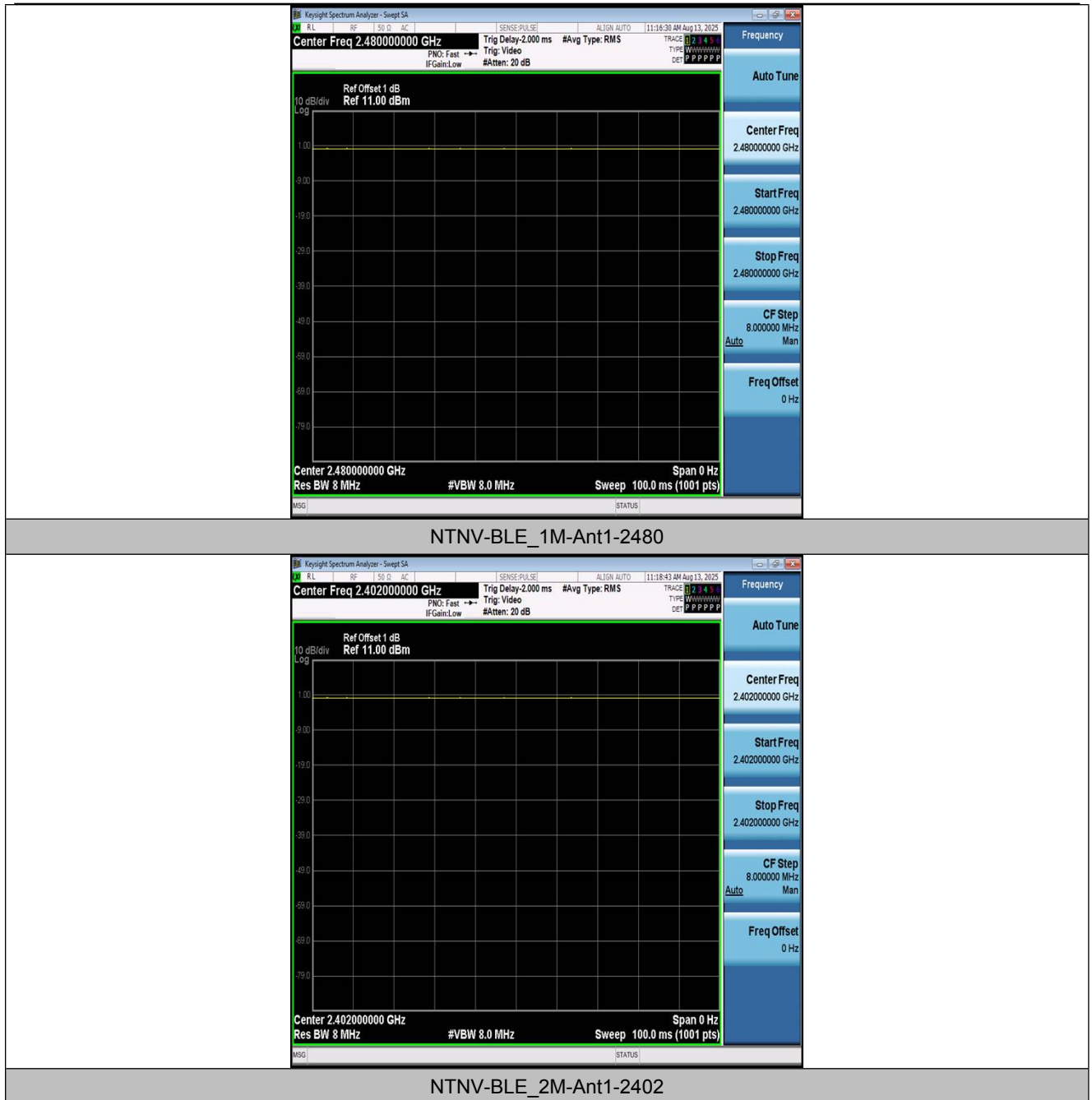
Test Graphs



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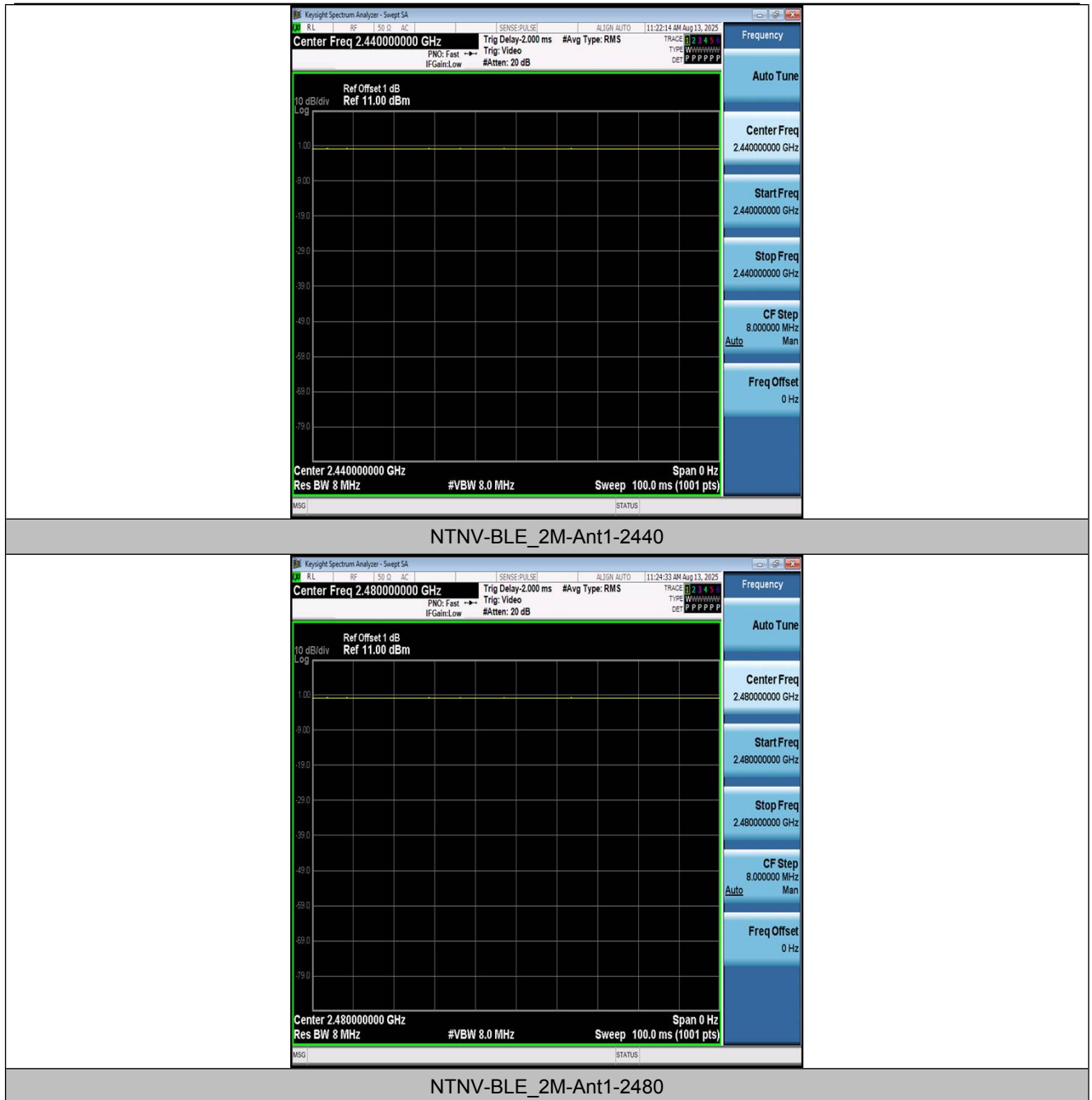
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