

Appendix Test Data

Report No.:	1814C60042912501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-2-25	Finish Test Date:	2026-2-25
Test Engineer:	HuSen Guan	Auditor:	Justin Feng
Temperature:	26.1°C	Relative Humidity:	45%
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	2401.684	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.712	2439.660	2440.372	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.684	2480.352	0.5	PASS
BLE_2M	Ant1	2402	1.116	2401.456	2402.572	0.5	PASS
BLE_2M	Ant1	2440	1.116	2439.468	2440.584	0.5	PASS
BLE_2M	Ant1	2480	1.144	2479.460	2480.604	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	1.0328	2401.5023	2402.5351	---	---
BLE_1M	Ant1	2440	1.0225	2439.5085	2440.5310	---	---
BLE_1M	Ant1	2480	1.0397	2479.5014	2480.5411	---	---
BLE_2M	Ant1	2402	2.0599	2401.0060	2403.0659	---	---
BLE_2M	Ant1	2440	2.0805	2438.9953	2441.0758	---	---
BLE_2M	Ant1	2480	2.0823	2478.9884	2481.0707	---	---

Test Graphs



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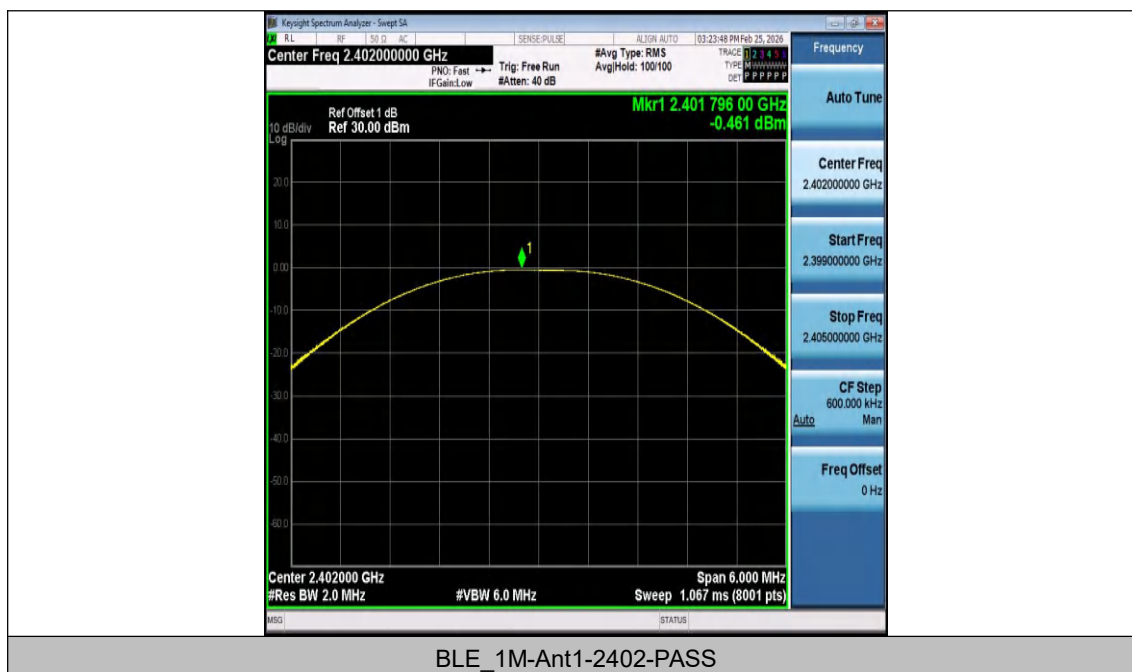
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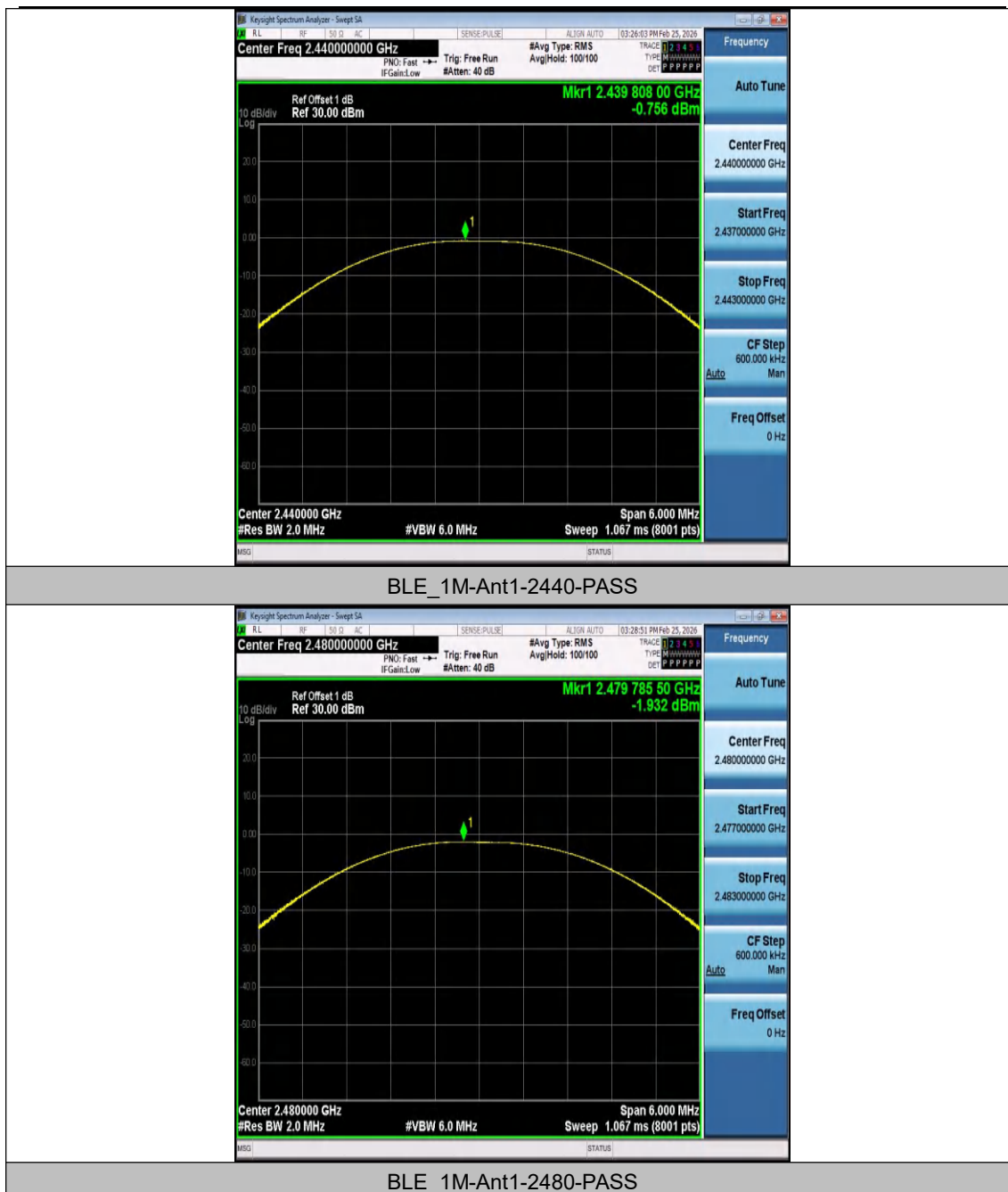
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.46	≤30	PASS
BLE_1M	Ant1	2440	-0.76	≤30	PASS
BLE_1M	Ant1	2480	-1.93	≤30	PASS
BLE_2M	Ant1	2402	-0.32	≤30	PASS
BLE_2M	Ant1	2440	-0.46	≤30	PASS
BLE_2M	Ant1	2480	-1.58	≤30	PASS

Test Graphs Peak

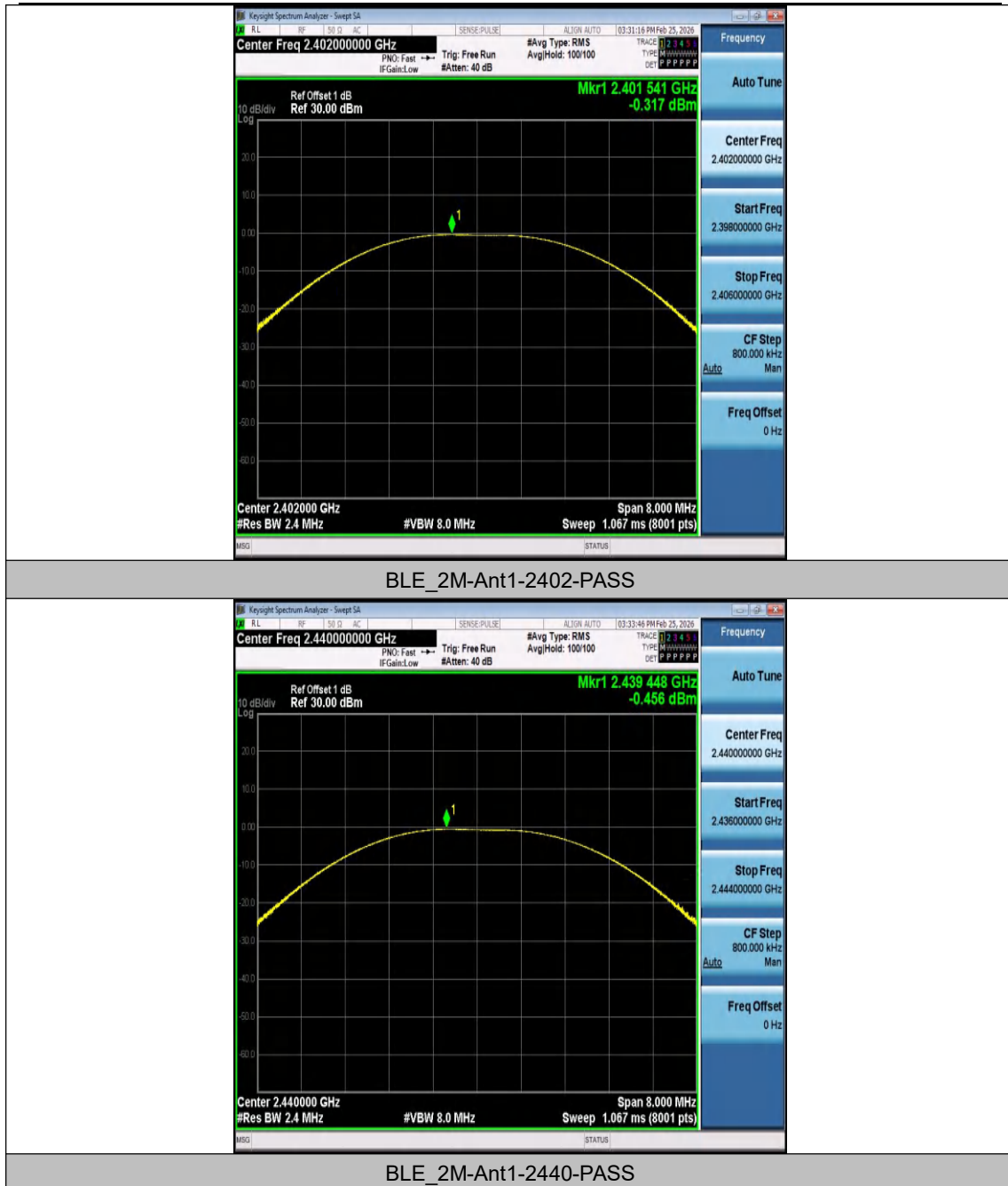




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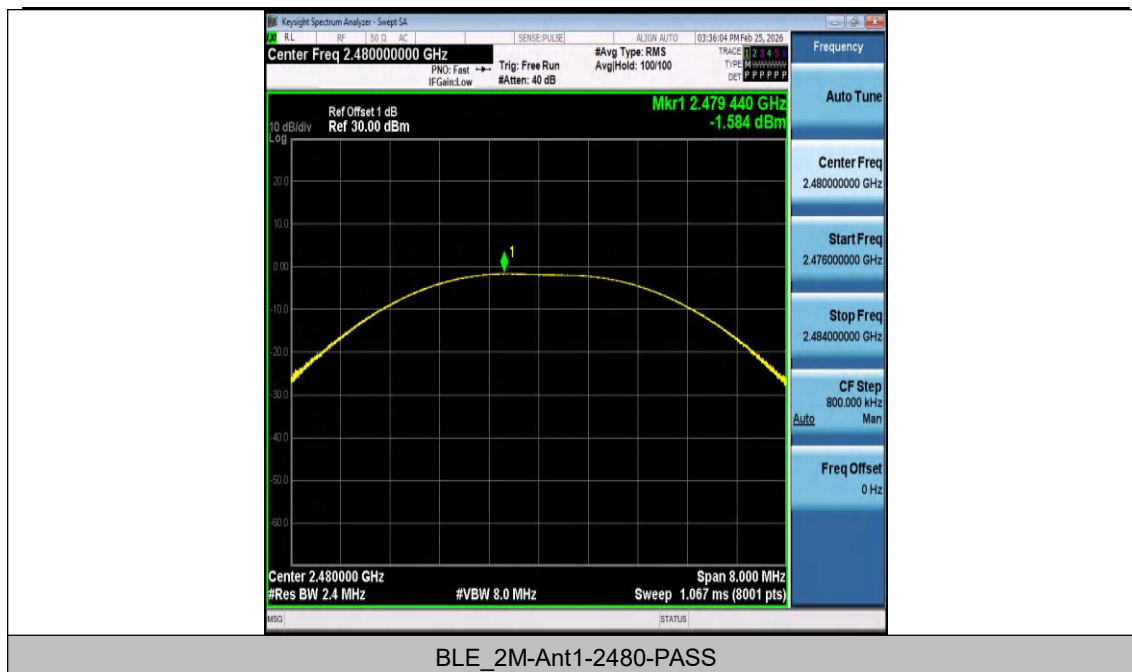
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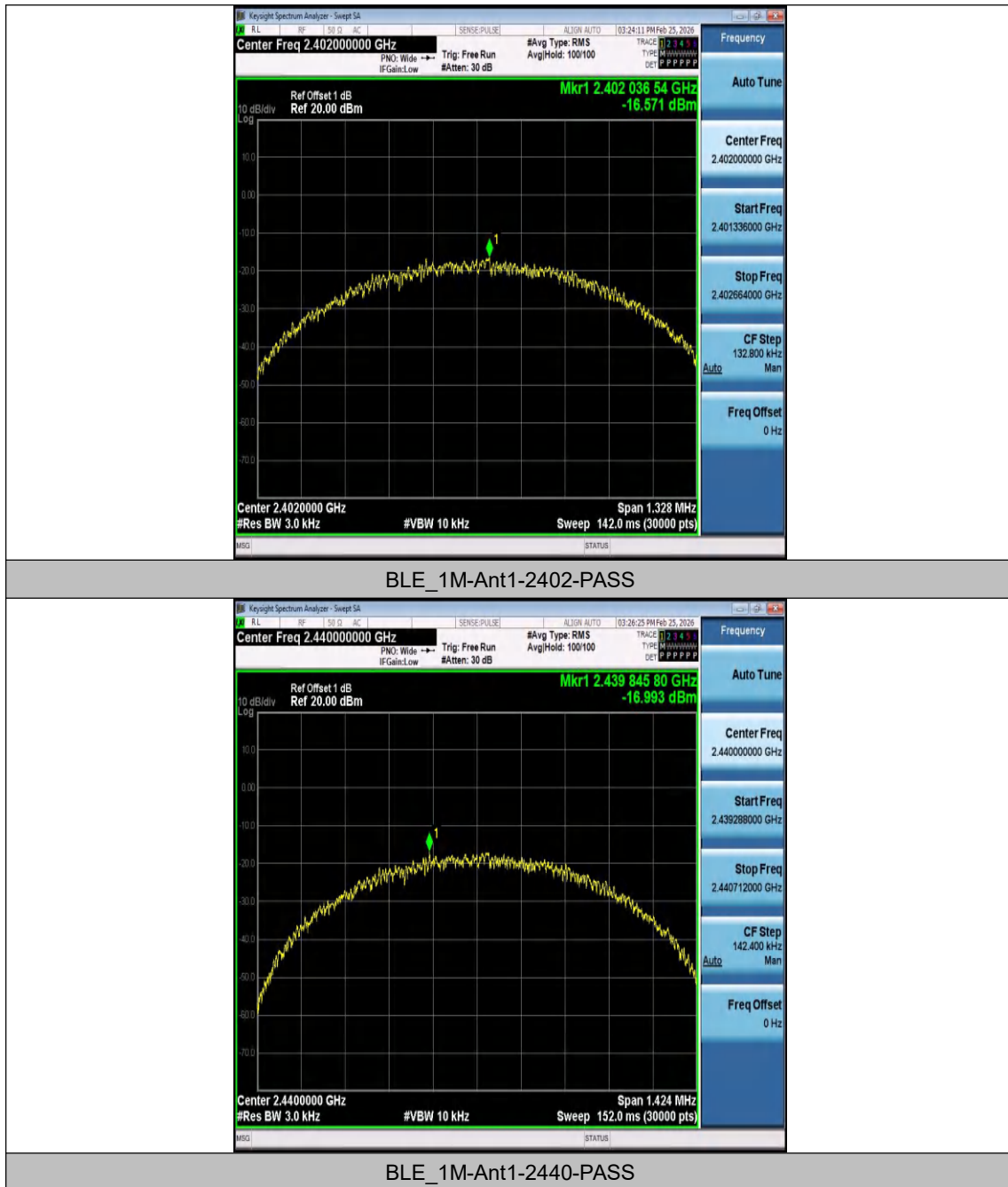
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.57	≤8.00	PASS
BLE_1M	Ant1	2440	-16.99	≤8.00	PASS
BLE_1M	Ant1	2480	-18.18	≤8.00	PASS
BLE_2M	Ant1	2402	-18.71	≤8.00	PASS
BLE_2M	Ant1	2440	-18.79	≤8.00	PASS
BLE_2M	Ant1	2480	-19.76	≤8.00	PASS

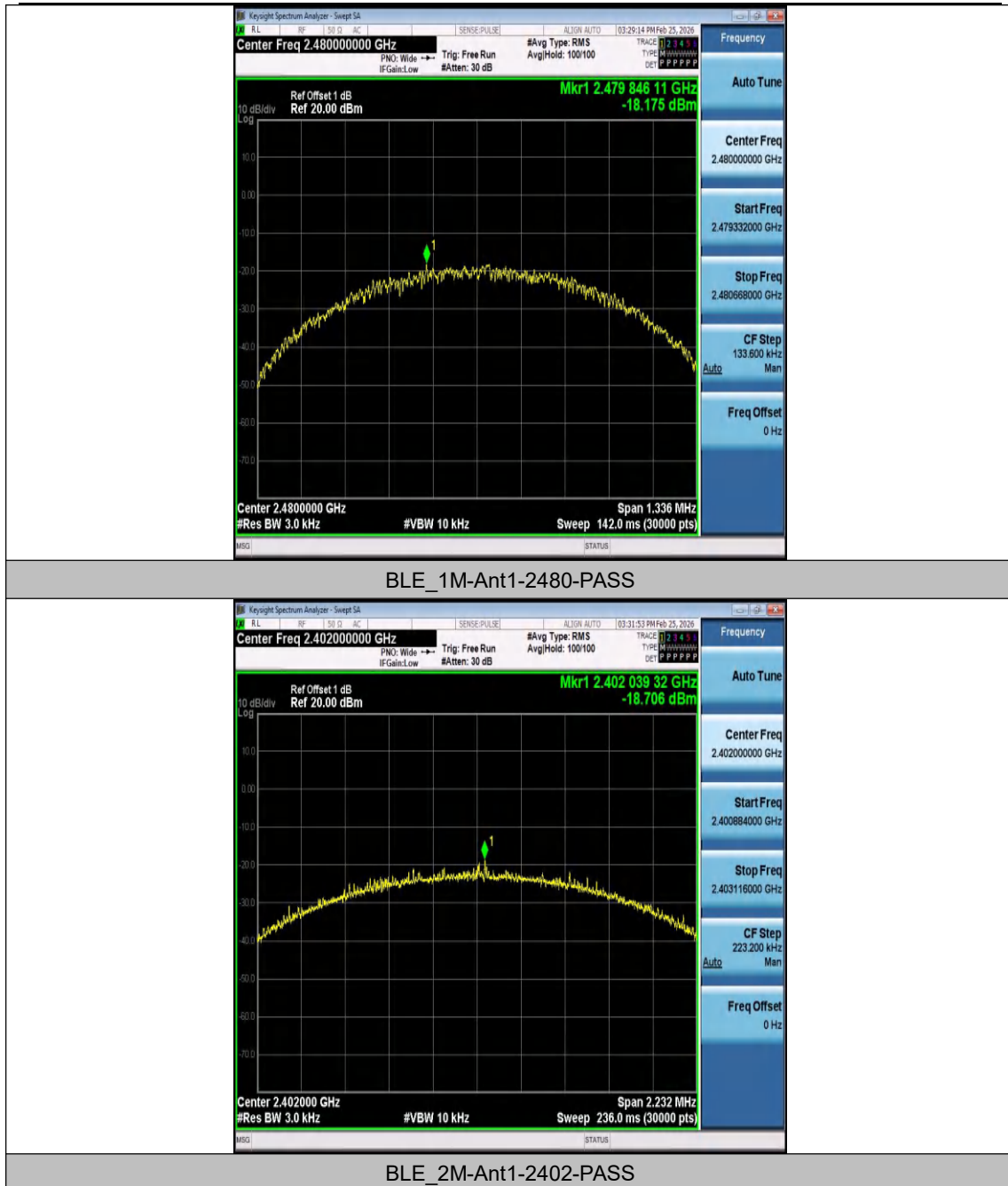
Test Graphs



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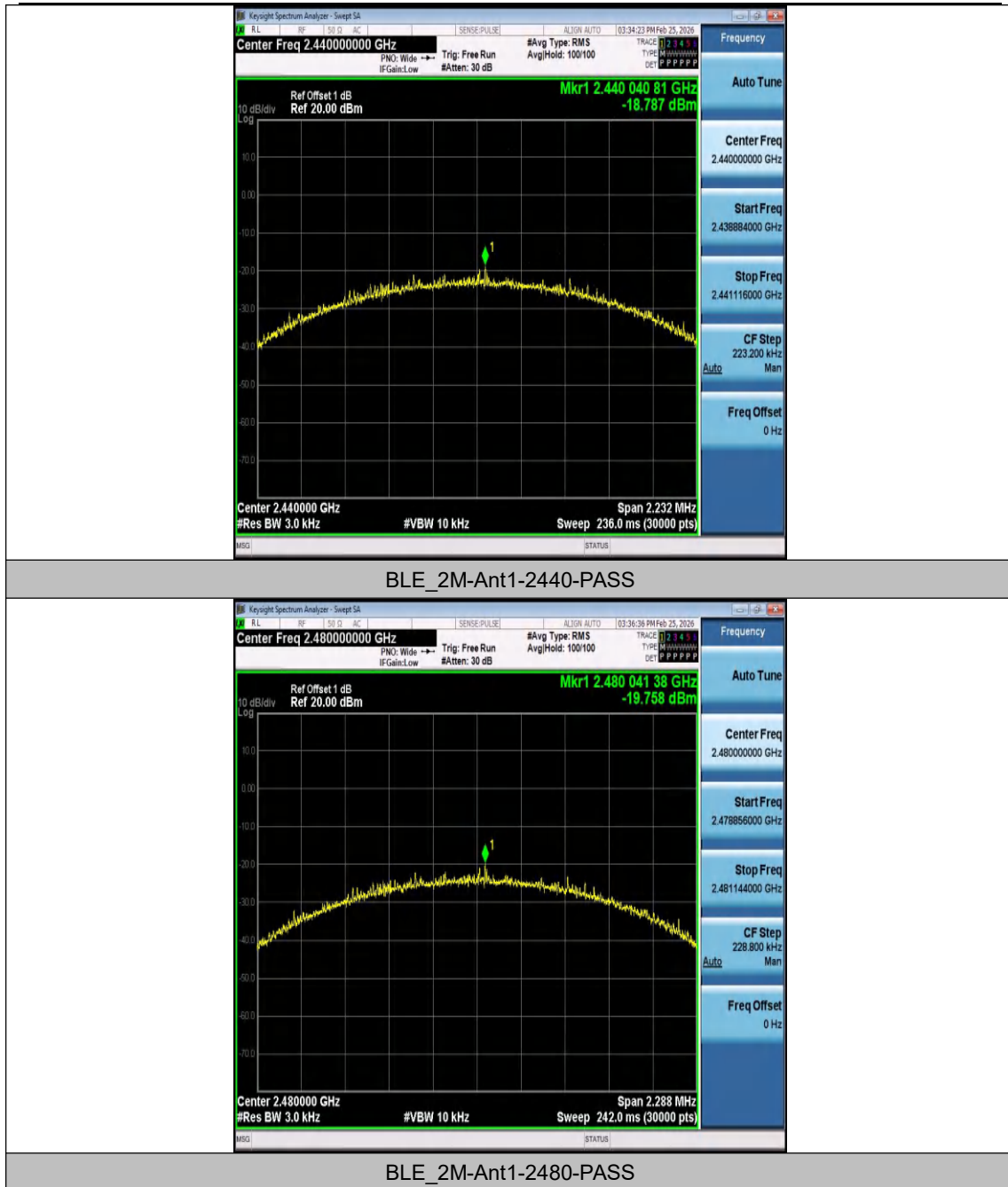
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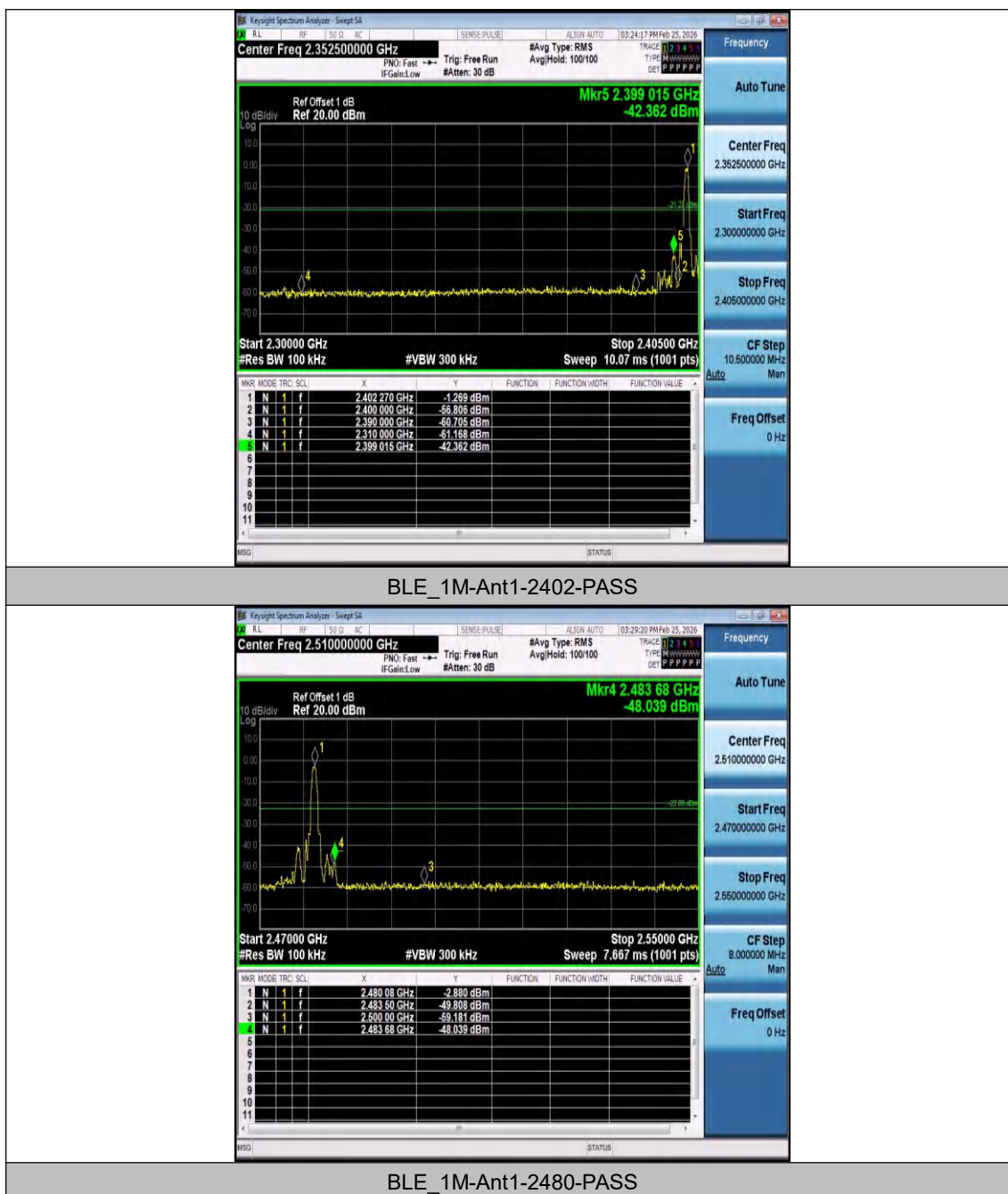
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.27	-42.36	≤ -21.27	PASS
BLE_1M	Ant1	High	2480	-2.88	-48.04	≤ -22.88	PASS
BLE_2M	Ant1	Low	2402	-2.79	-36.02	≤ -22.79	PASS
BLE_2M	Ant1	High	2480	-2.73	-50.37	≤ -22.73	PASS

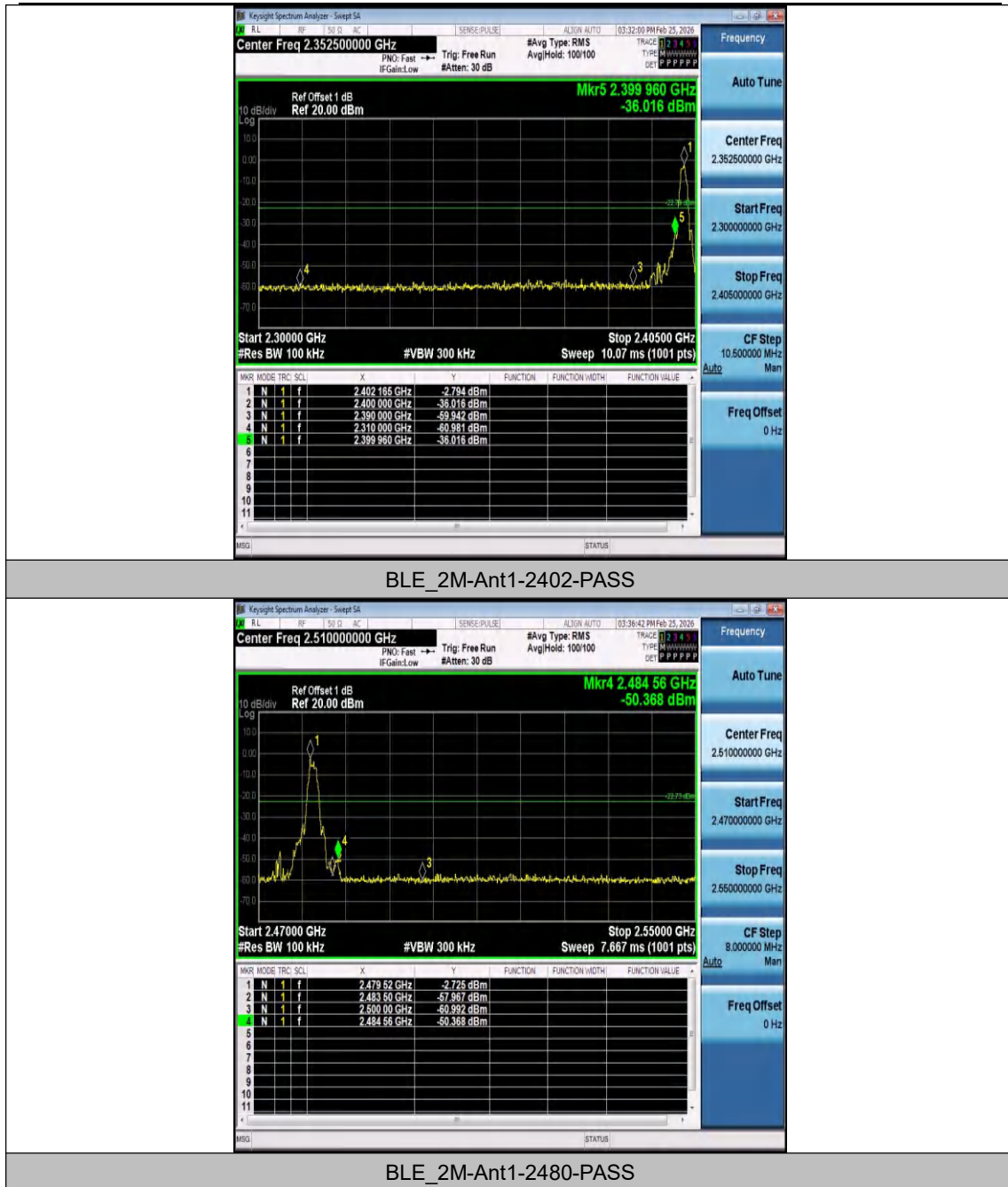
Test Graphs



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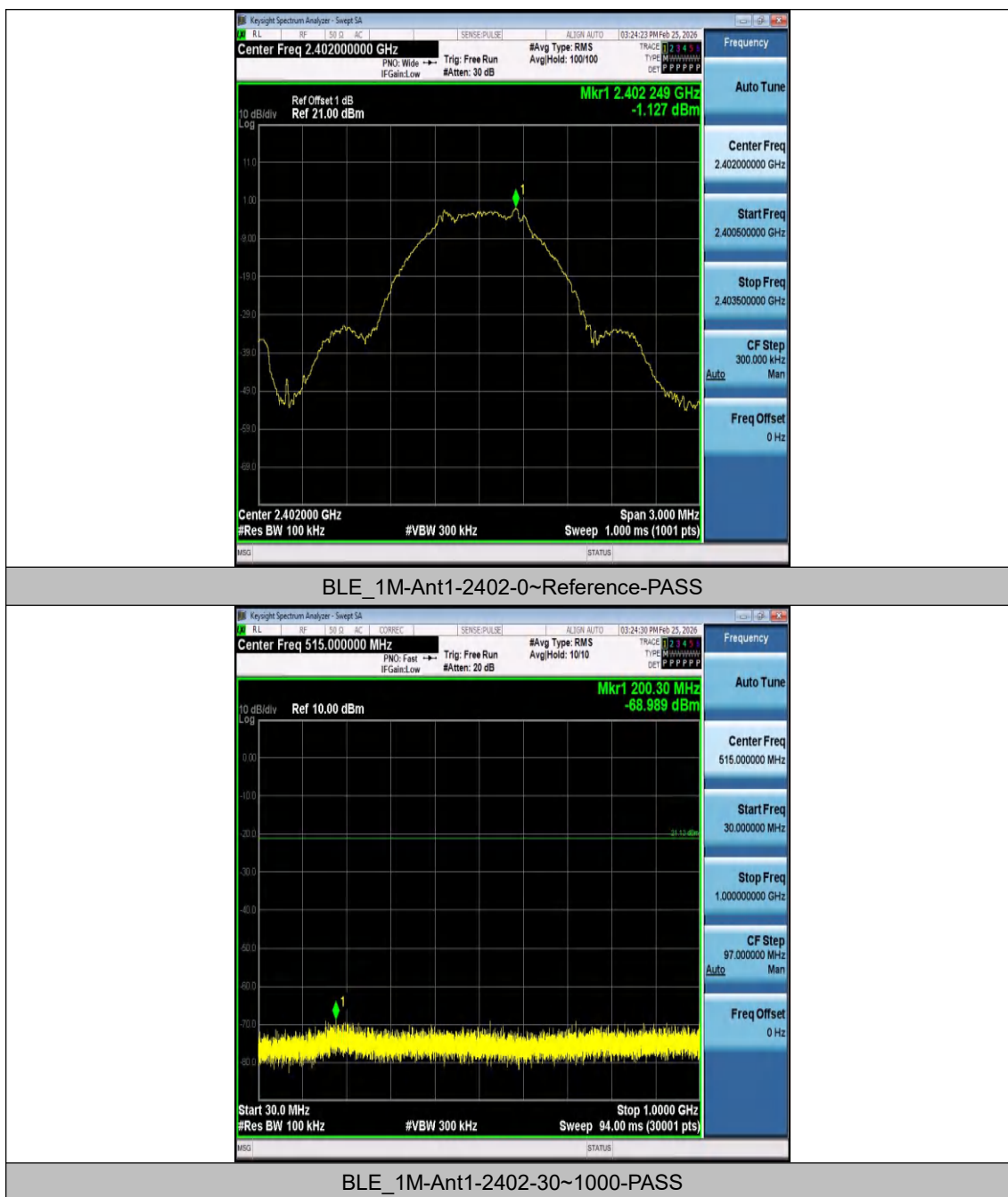
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.13	-1.13	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.13	-68.99	≤-21.13	PASS
BLE_1M	Ant1	2402	1000~26500	-1.13	-35.81	≤-21.13	PASS
BLE_1M	Ant1	2440	0~Reference	-1.80	-1.80	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.80	-68.5	≤-21.8	PASS
BLE_1M	Ant1	2440	1000~26500	-1.80	-35.25	≤-21.8	PASS
BLE_1M	Ant1	2480	0~Reference	-2.46	-2.46	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.46	-68.91	≤-22.46	PASS
BLE_1M	Ant1	2480	1000~26500	-2.46	-35.57	≤-22.46	PASS
BLE_2M	Ant1	2402	0~Reference	-0.66	-0.66	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.66	-68.81	≤-20.66	PASS
BLE_2M	Ant1	2402	1000~26500	-0.66	-35.83	≤-20.66	PASS
BLE_2M	Ant1	2440	0~Reference	-1.09	-1.09	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.09	-68.8	≤-21.09	PASS
BLE_2M	Ant1	2440	1000~26500	-1.09	-36.04	≤-21.09	PASS
BLE_2M	Ant1	2480	0~Reference	-2.81	-2.81	---	PASS
BLE_2M	Ant1	2480	30~1000	-2.81	-68.77	≤-22.81	PASS
BLE_2M	Ant1	2480	1000~26500	-2.81	-35.75	≤-22.81	PASS

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

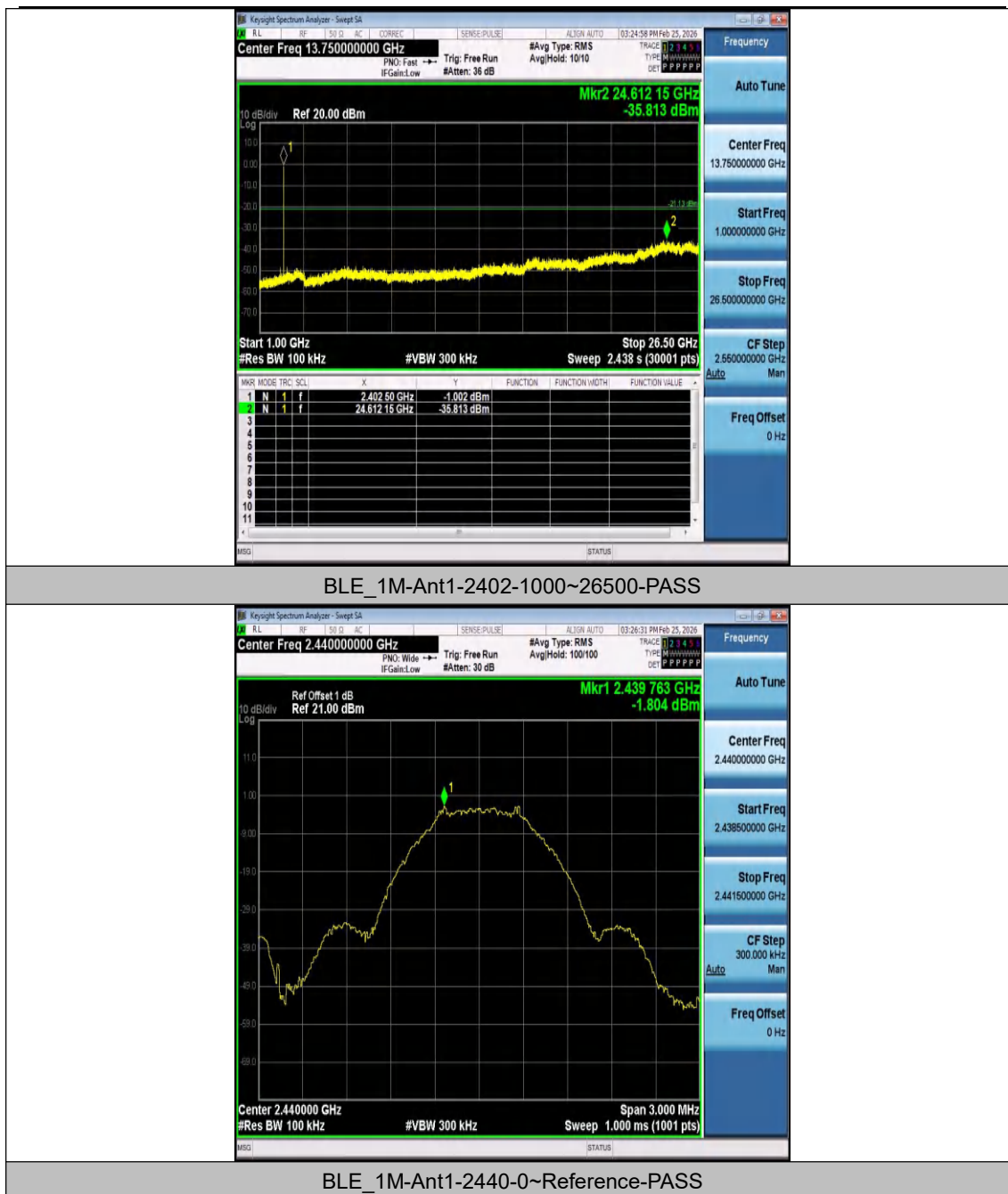
Test Graphs



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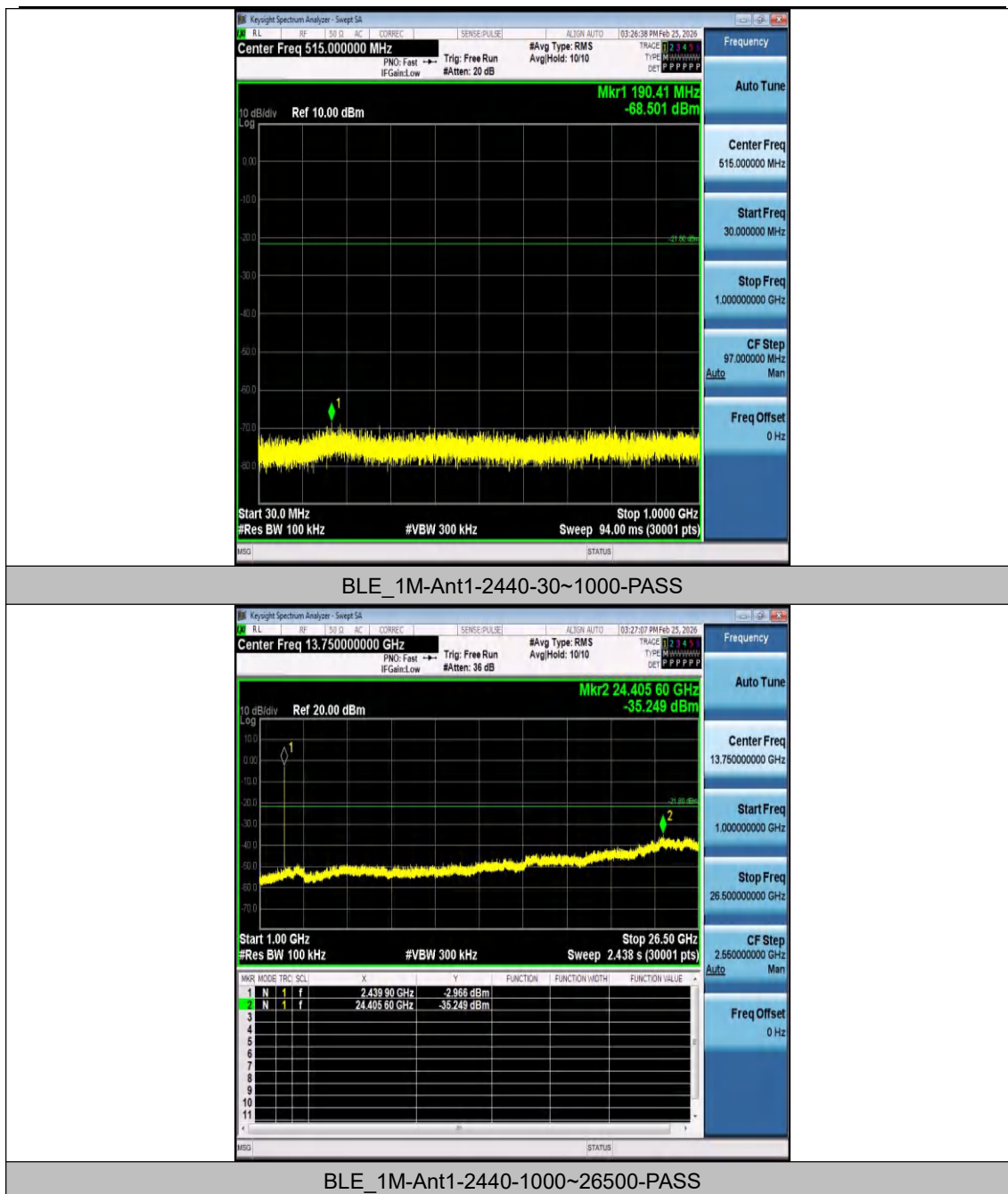
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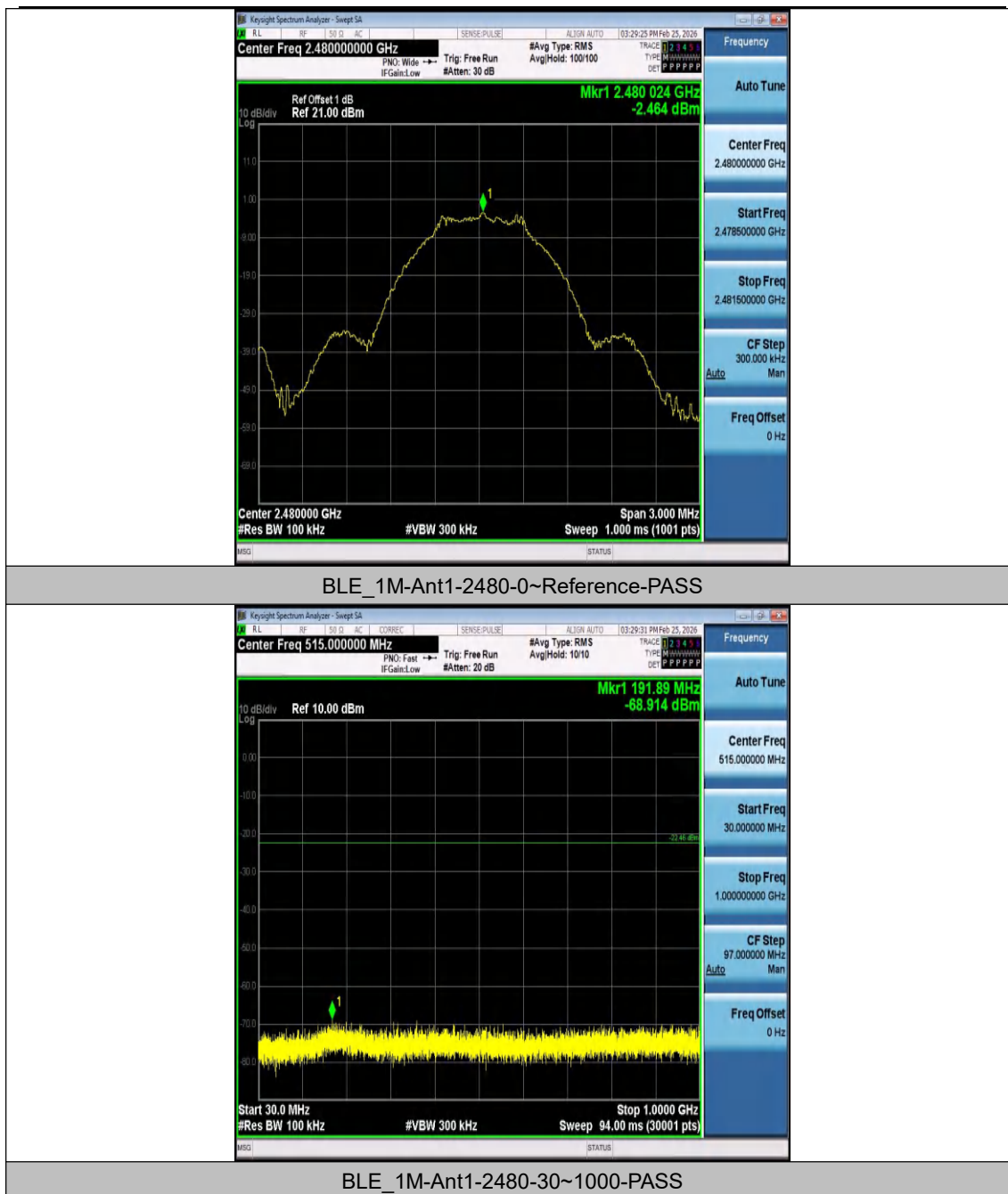
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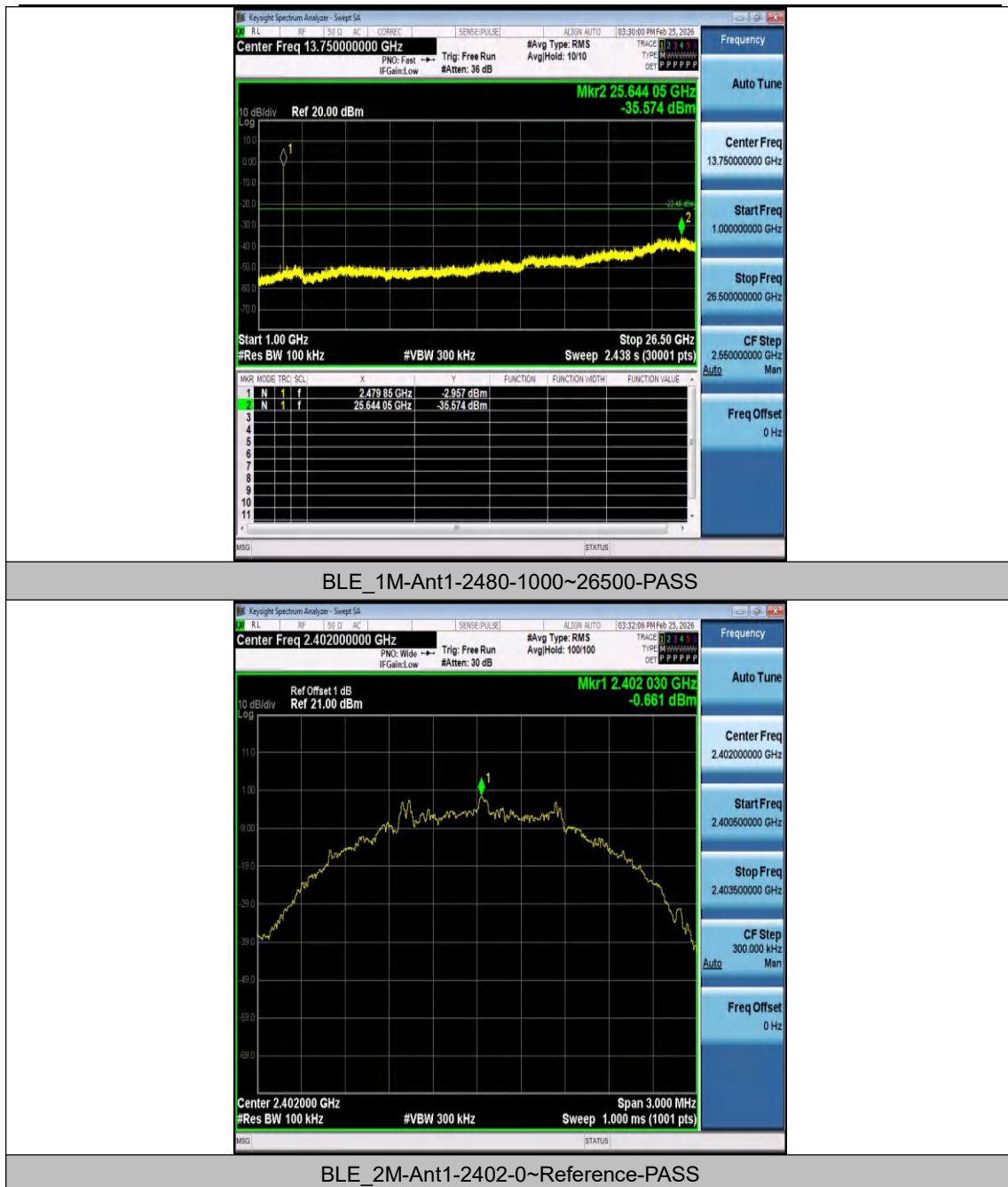
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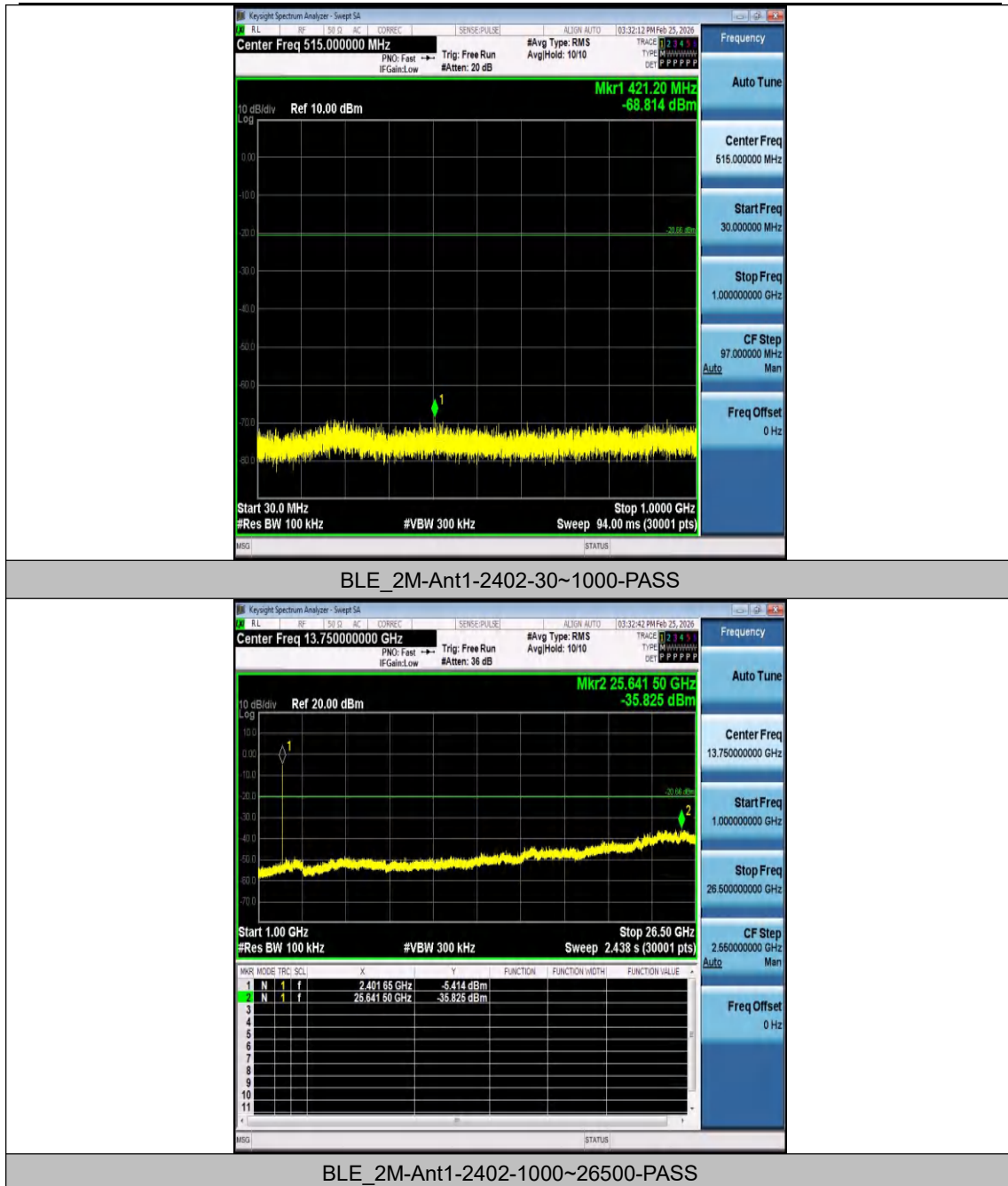
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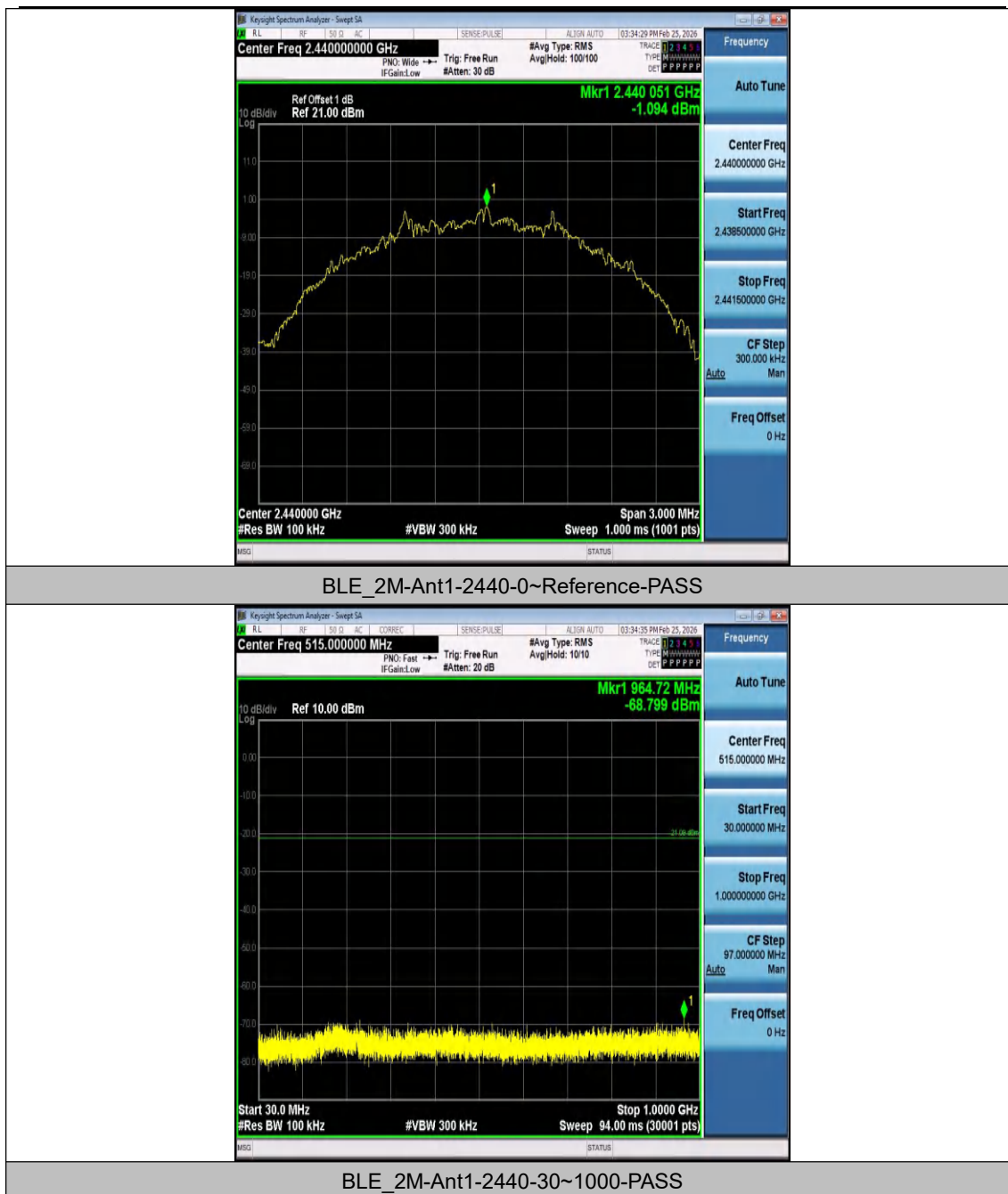
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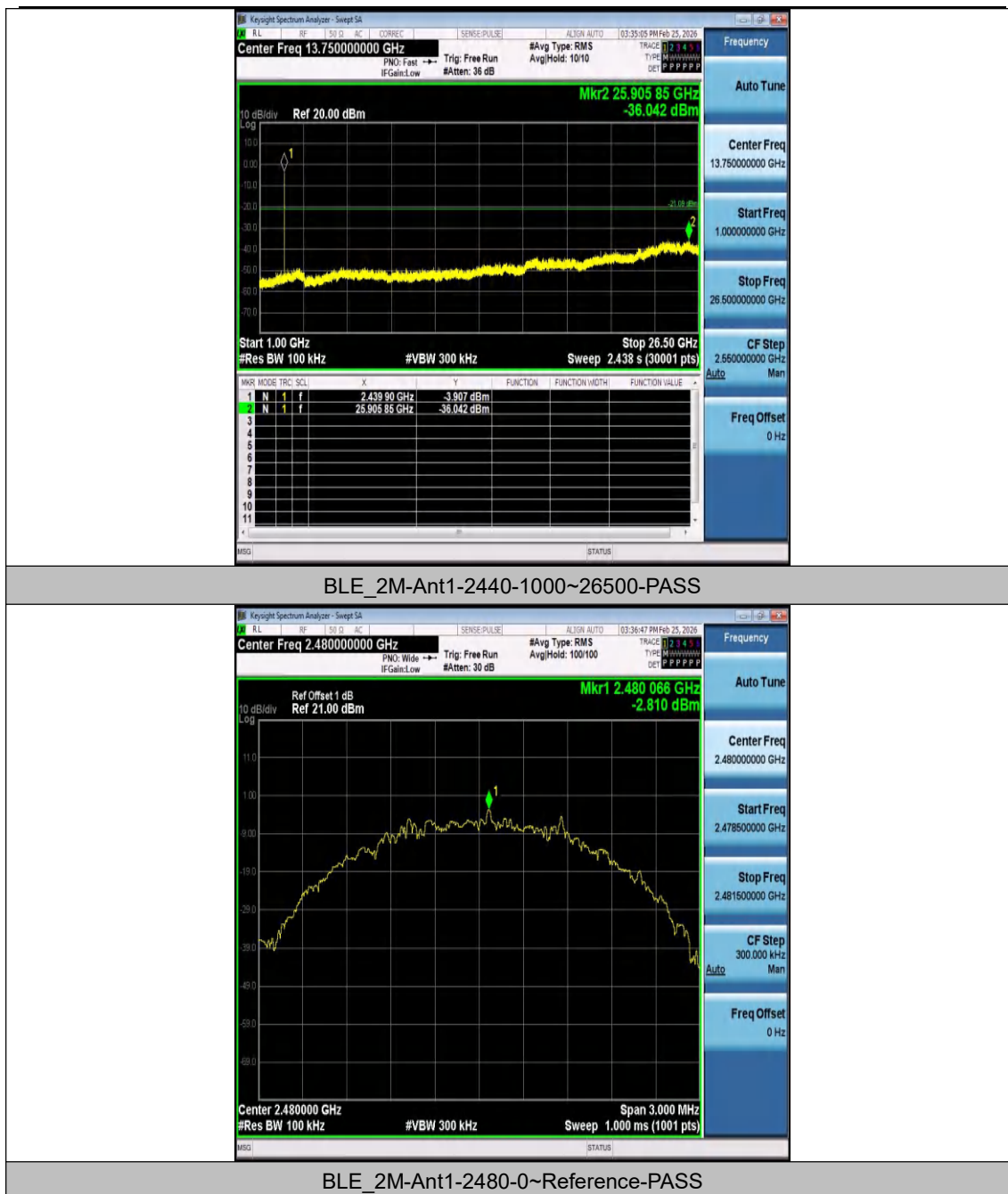
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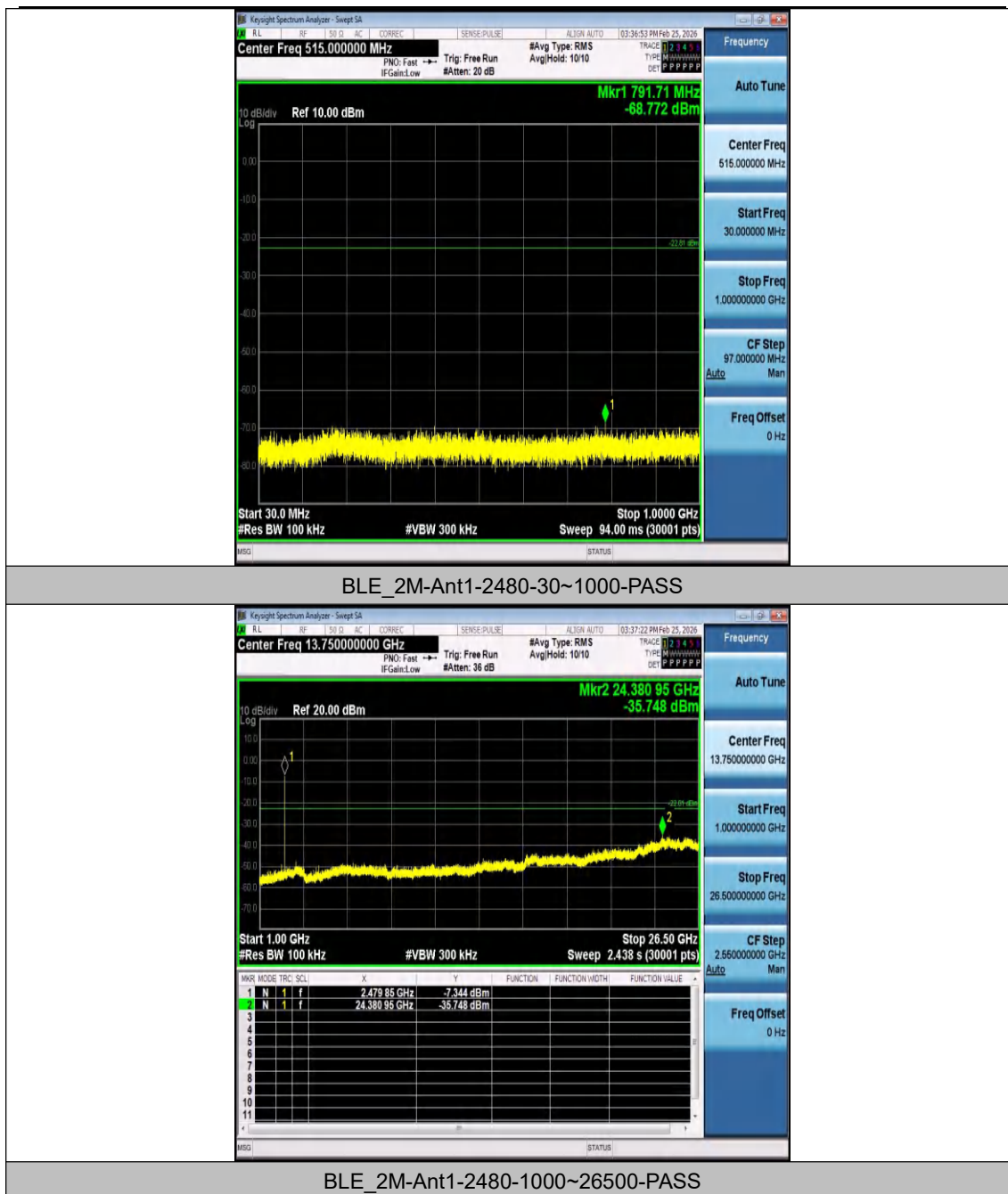
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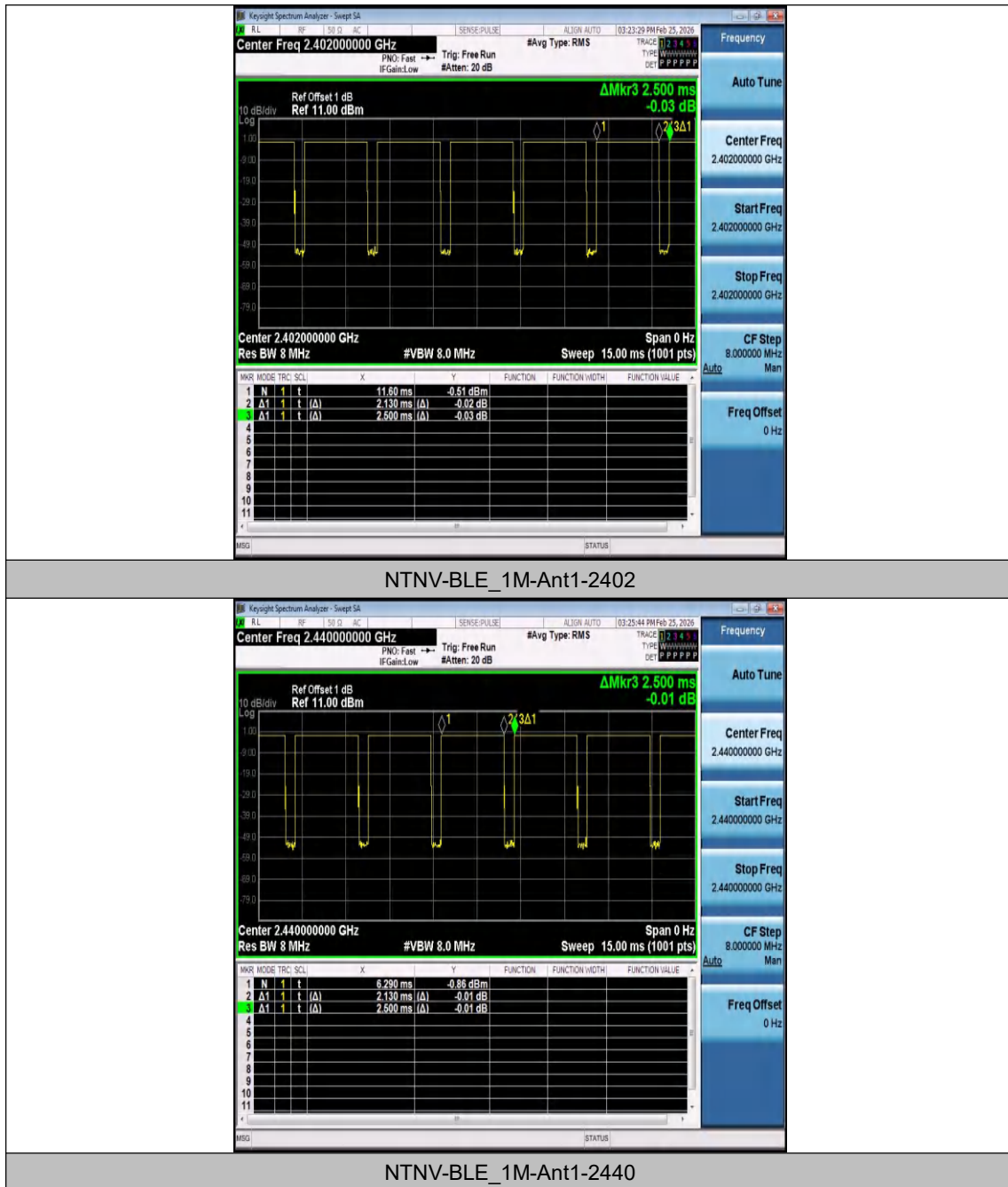


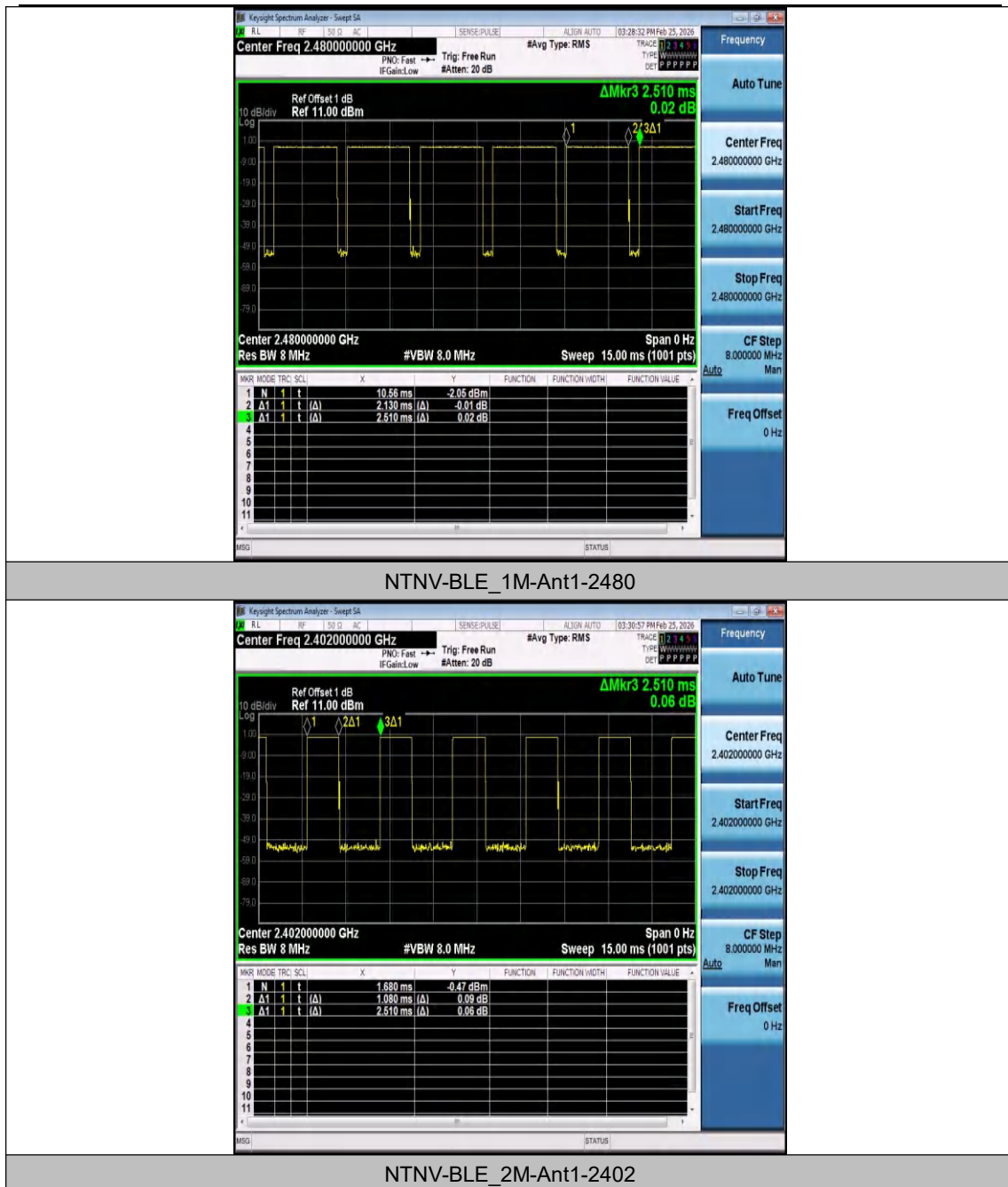
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71
BLE_2M	Ant1	2402	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2440	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2480	1.08	2.50	43.20	3.65

Test Graphs

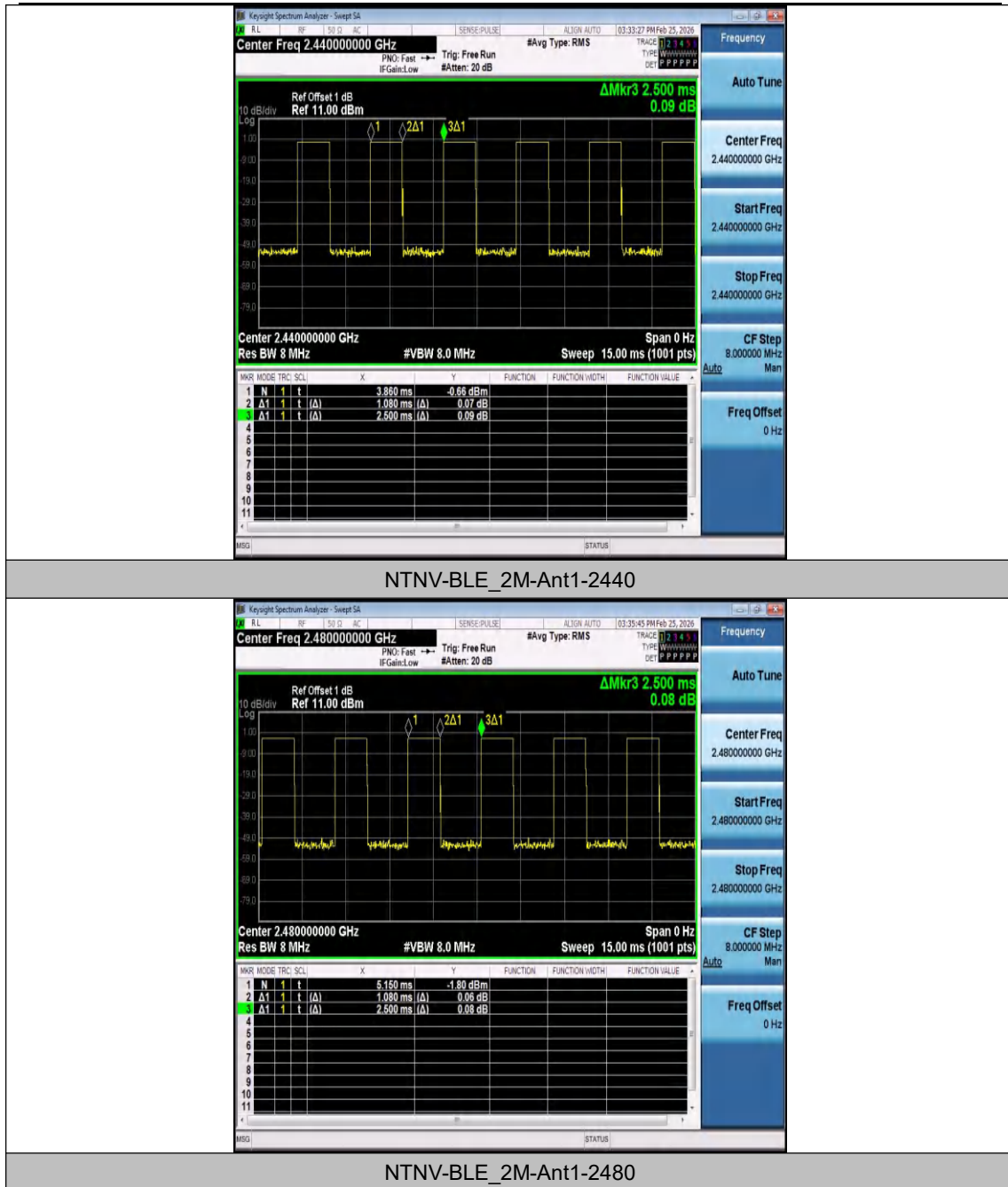




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