

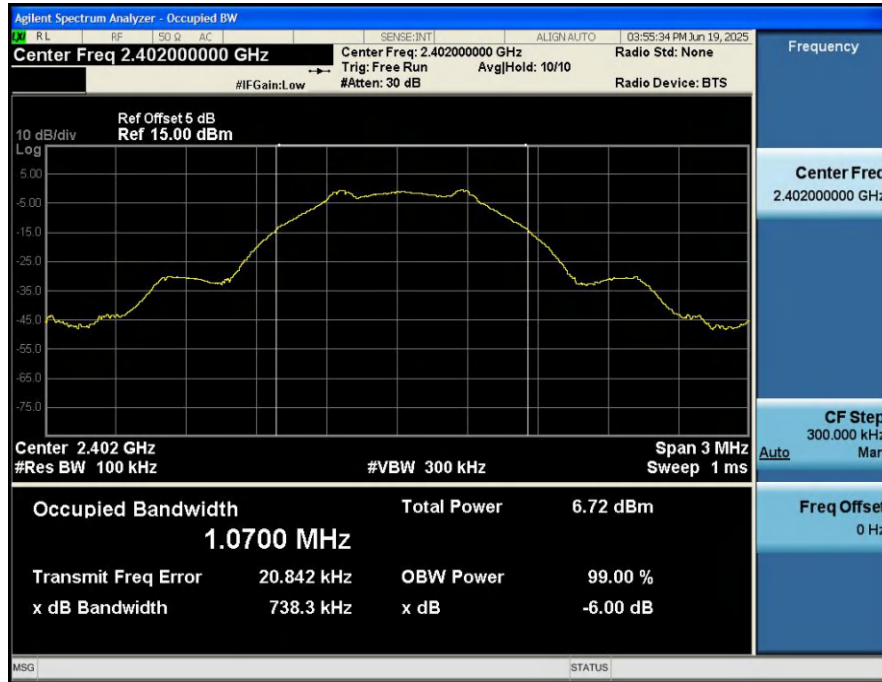
Appendix Test Data

Report No.:	1819C50065112502	Test Sample No.:	1-2-2
Start Test Date:	2025-6-17	Finish Test Date:	2025-6-24
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.1℃	Relative Humidity:	62%
Pressure:	101kPa		

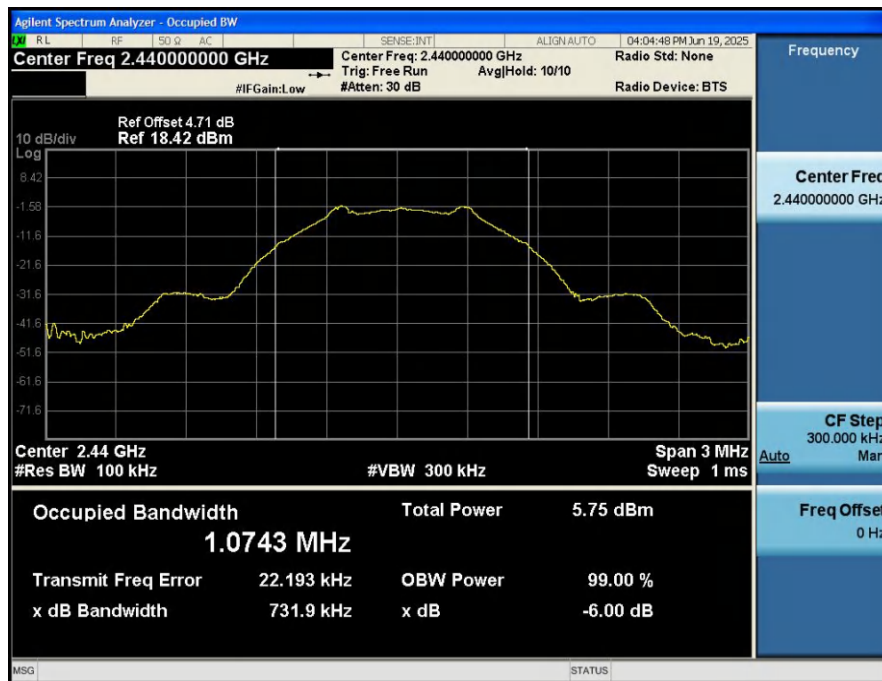
Appendix A: -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	738.31	500	Pass
NVNT	ANT1	1Mbps	2440.00	731.95	500	Pass
NVNT	ANT1	1Mbps	2480.00	737.35	500	Pass
NVNT	ANT1	2Mbps	2402.00	1491.69	500	Pass
NVNT	ANT1	2Mbps	2440.00	1422.95	500	Pass
NVNT	ANT1	2Mbps	2480.00	1513.89	500	Pass

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440

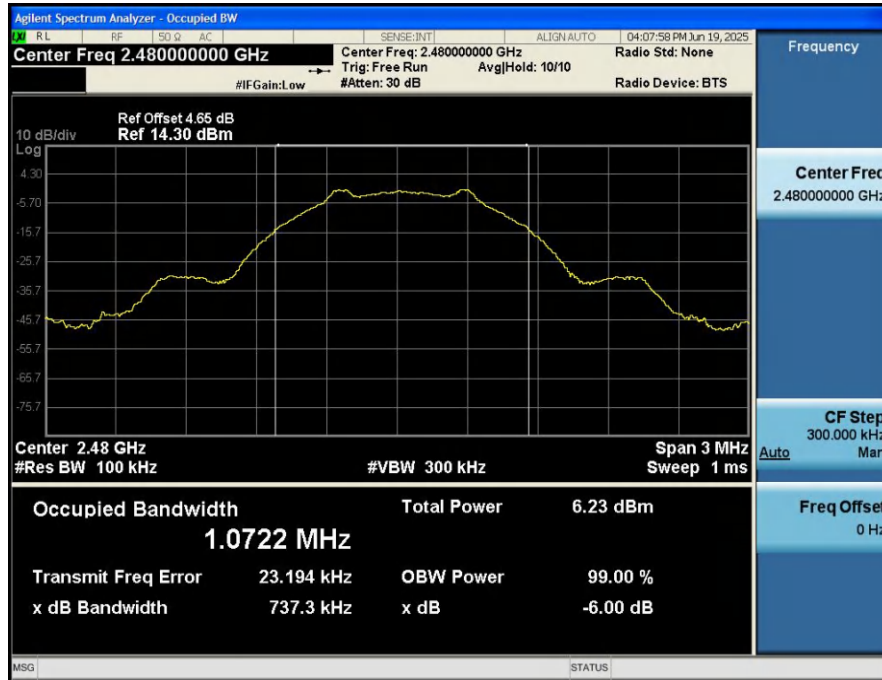


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-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2402

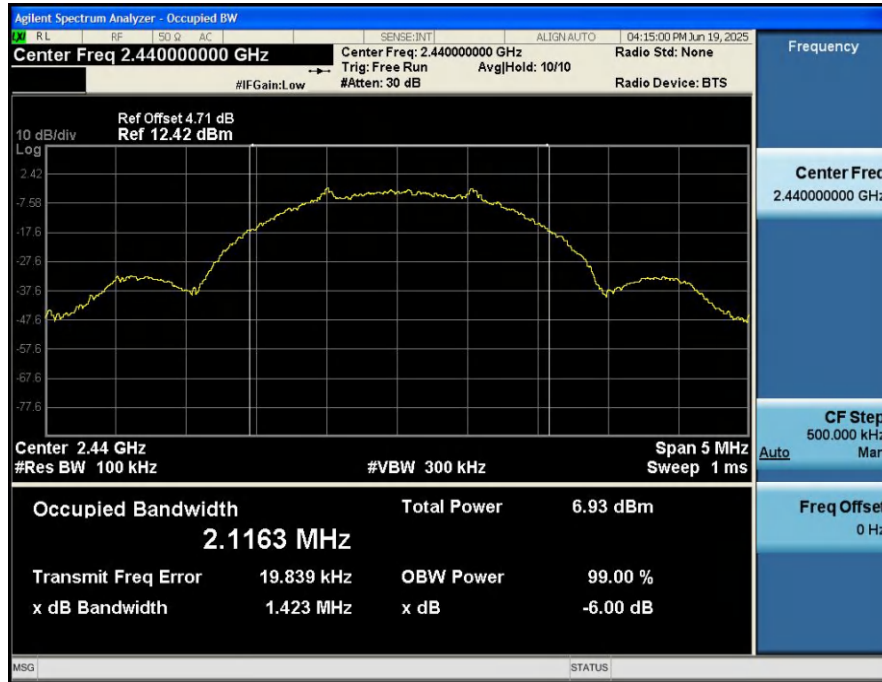


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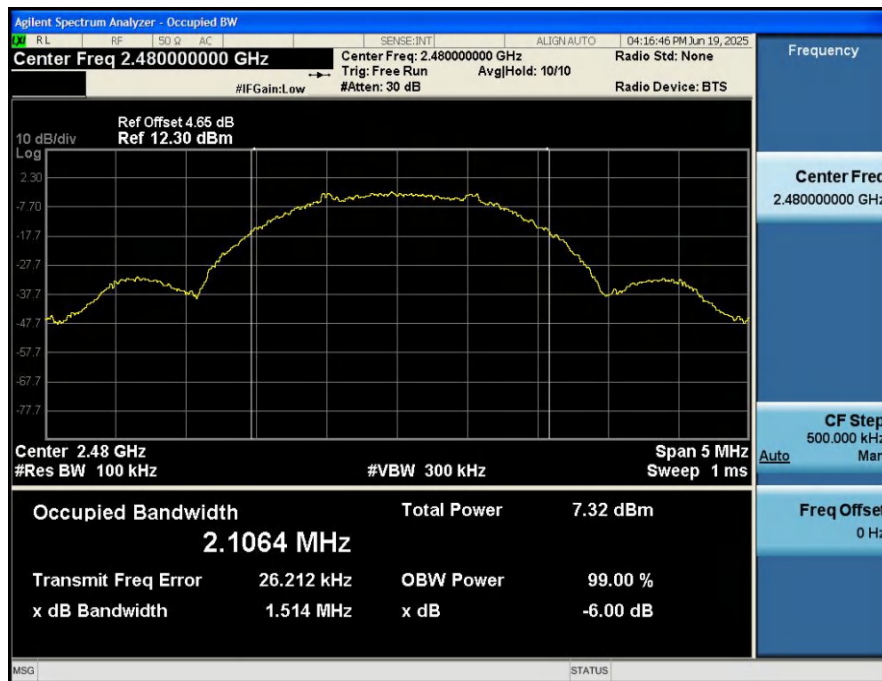
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-6dB_Bandwidth_NVNT_ANT1_2Mbps_2440



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2480



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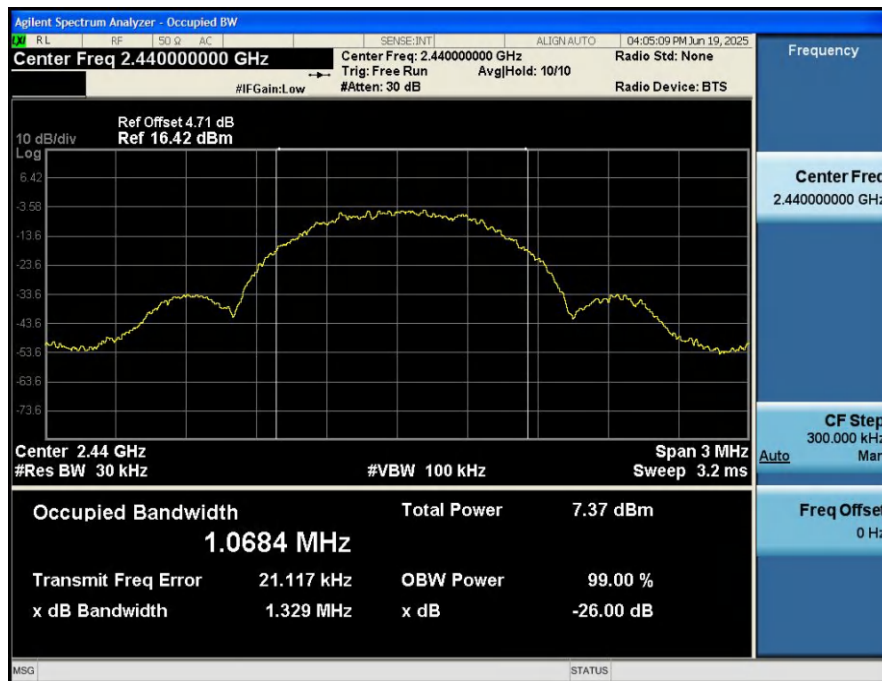
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.056
NVNT	ANT1	1Mbps	2440.00	1.068
NVNT	ANT1	1Mbps	2480.00	1.055
NVNT	ANT1	2Mbps	2402.00	2.108
NVNT	ANT1	2Mbps	2440.00	2.116
NVNT	ANT1	2Mbps	2480.00	2.104

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



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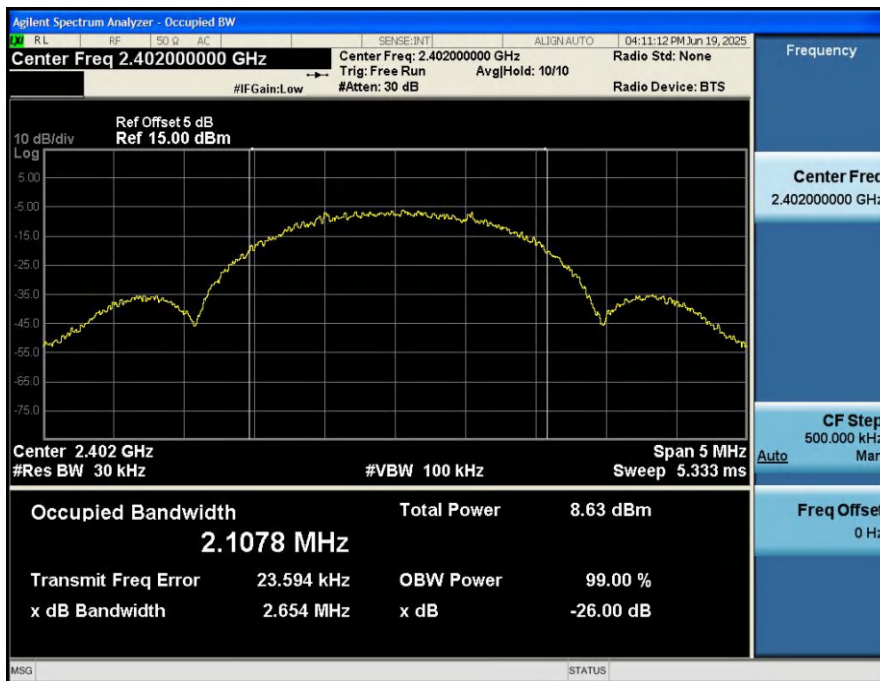
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99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2402

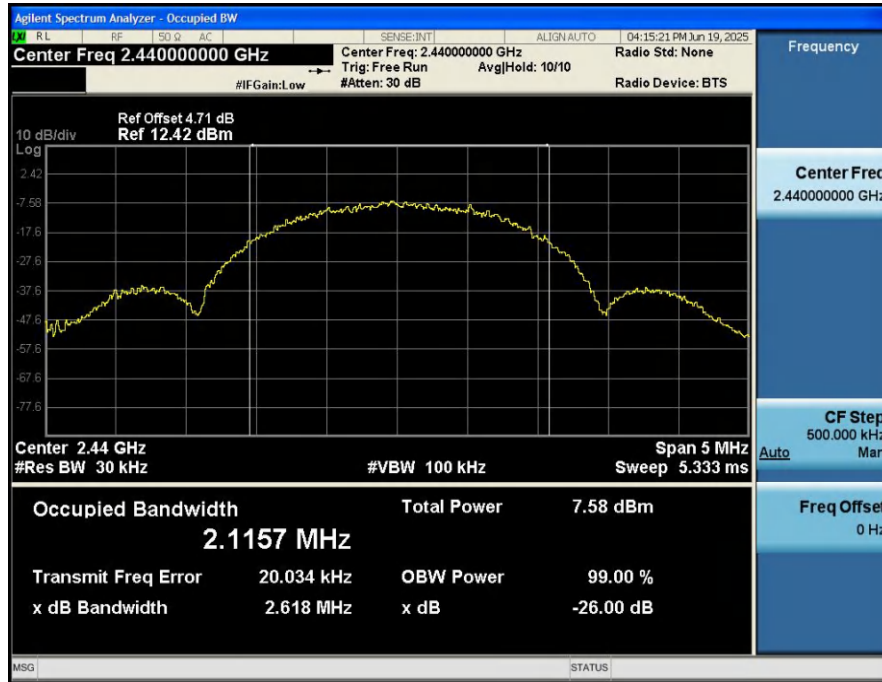


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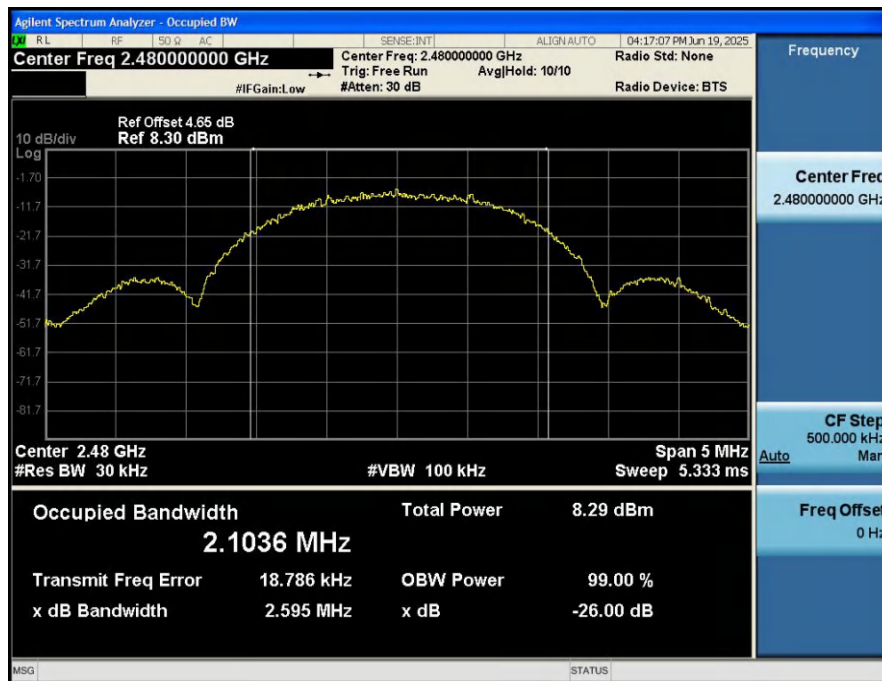
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99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2440



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2480



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Appendix C: Duty Cycle

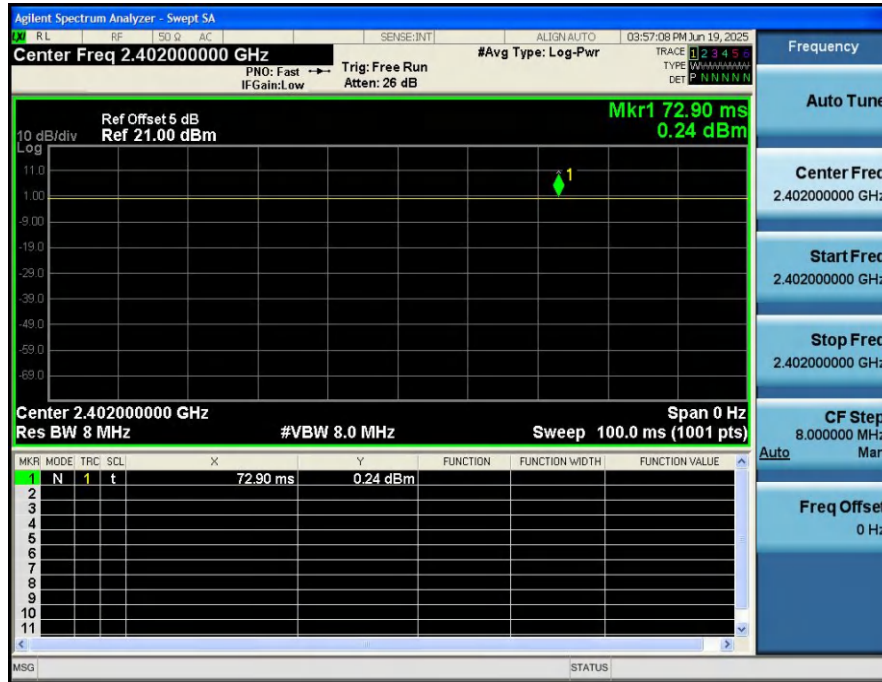
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	100	0.00
NVNT	ANT1	1Mbps	2440.00	100	0.00
NVNT	ANT1	1Mbps	2480.00	100	0.00
NVNT	ANT1	2Mbps	2402.00	100	0.00
NVNT	ANT1	2Mbps	2440.00	100	0.00
NVNT	ANT1	2Mbps	2480.00	100	0.00

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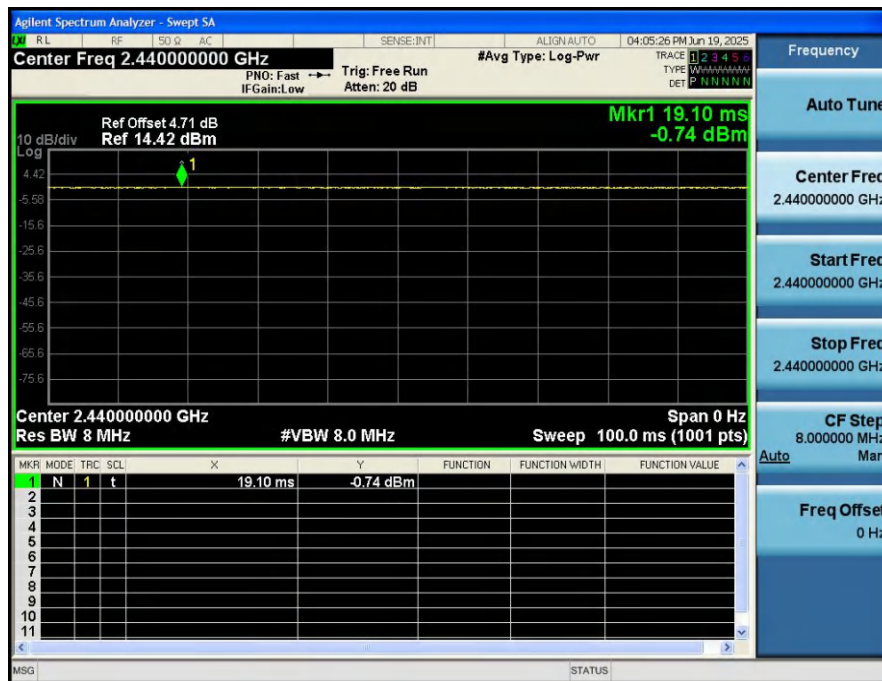
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Duty_Cycle_NVNT_ANT1_1Mbps_2402



Duty_Cycle_NVNT_ANT1_1Mbps_2440

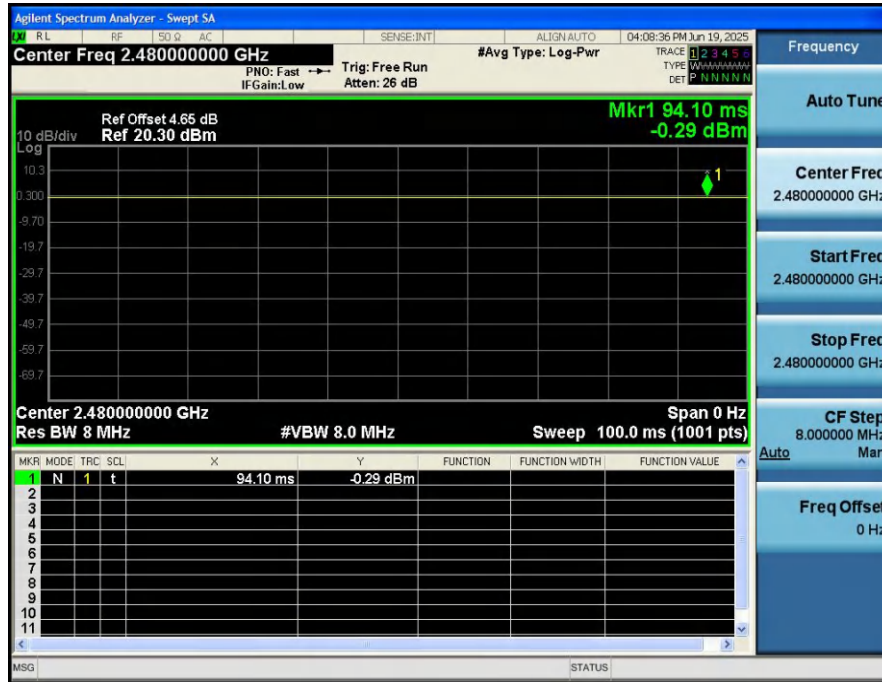


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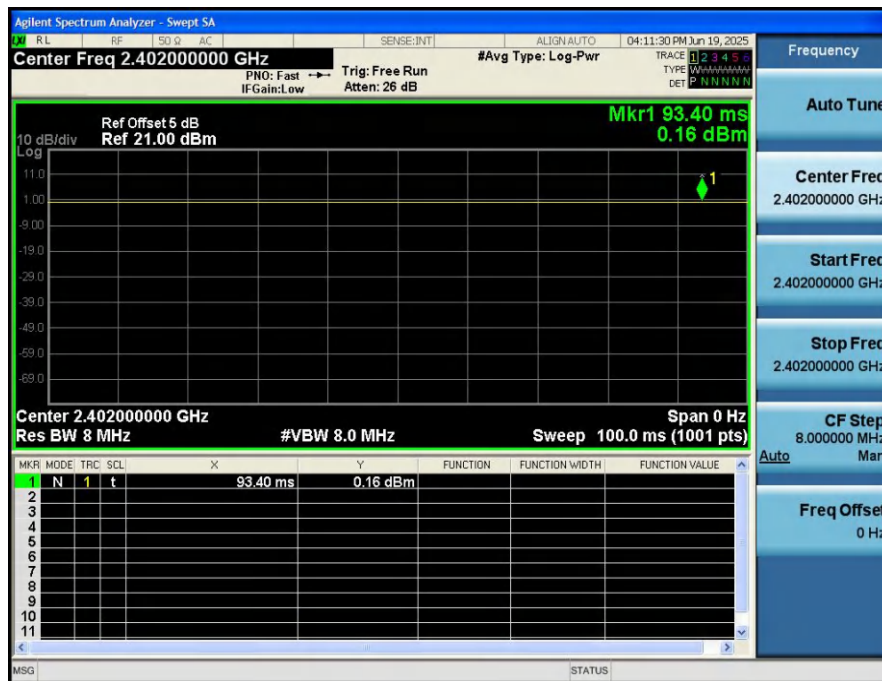
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Duty_Cycle_NVNT_ANT1_1Mbps_2480



Duty_Cycle_NVNT_ANT1_2Mbps_2402

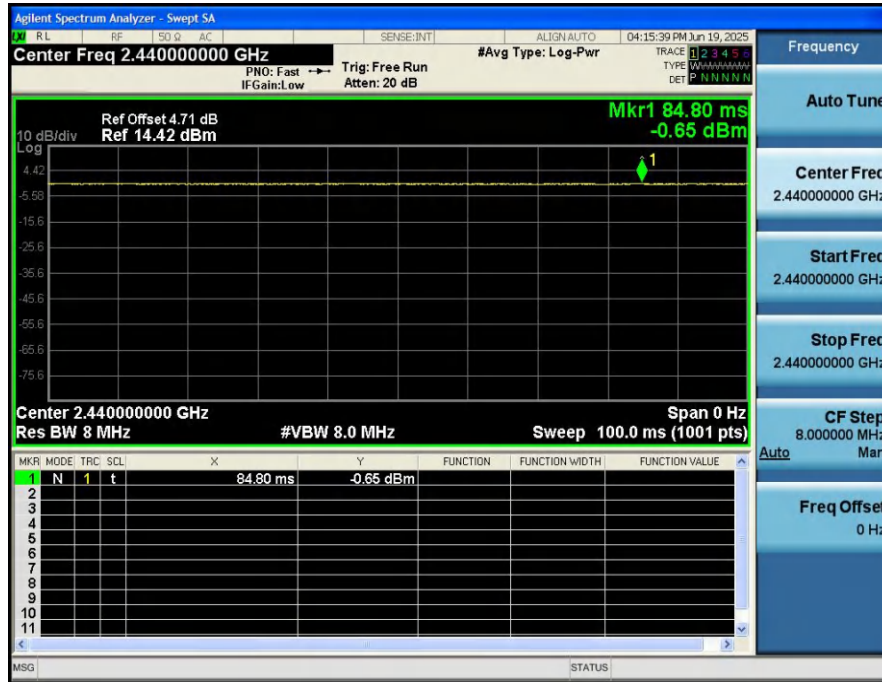


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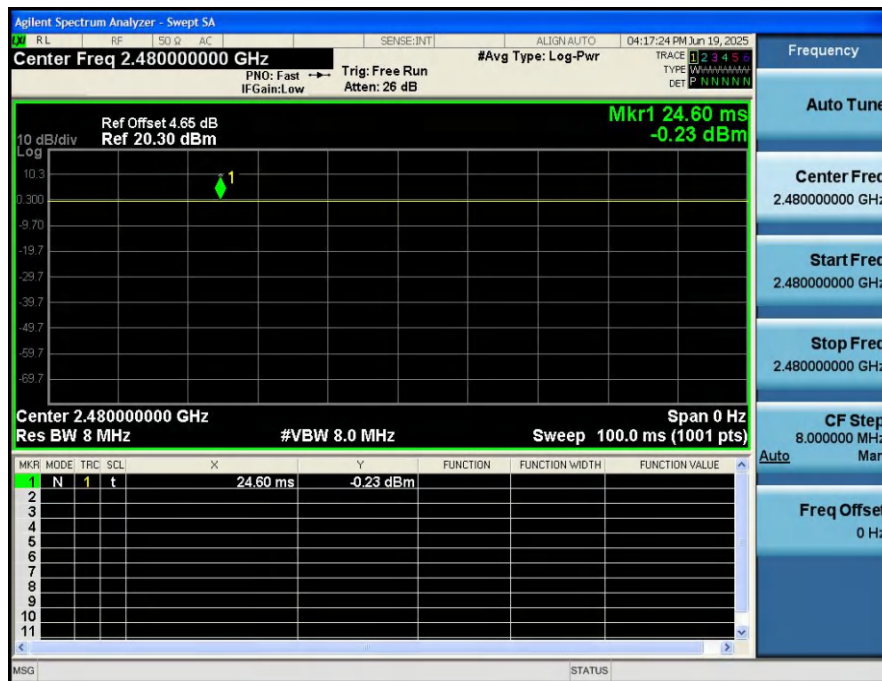
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Duty_Cycle_NVNT_ANT1_2Mbps_2440



Duty_Cycle_NVNT_ANT1_2Mbps_2480



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Appendix D: Peak Output Power(Right)

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	0.11	1.03	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.73	0.84	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.57	0.88	1000	Pass
NVNT	ANT1	2Mbps	2402.00	-0.13	0.97	1000	Pass
NVNT	ANT1	2Mbps	2440.00	-0.80	0.83	1000	Pass
NVNT	ANT1	2Mbps	2480.00	-0.53	0.89	1000	Pass

Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



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Peak_Output_Power_NVNT_ANT1_1Mbps_2480



Peak_Output_Power_NVNT_ANT1_2Mbps_2402

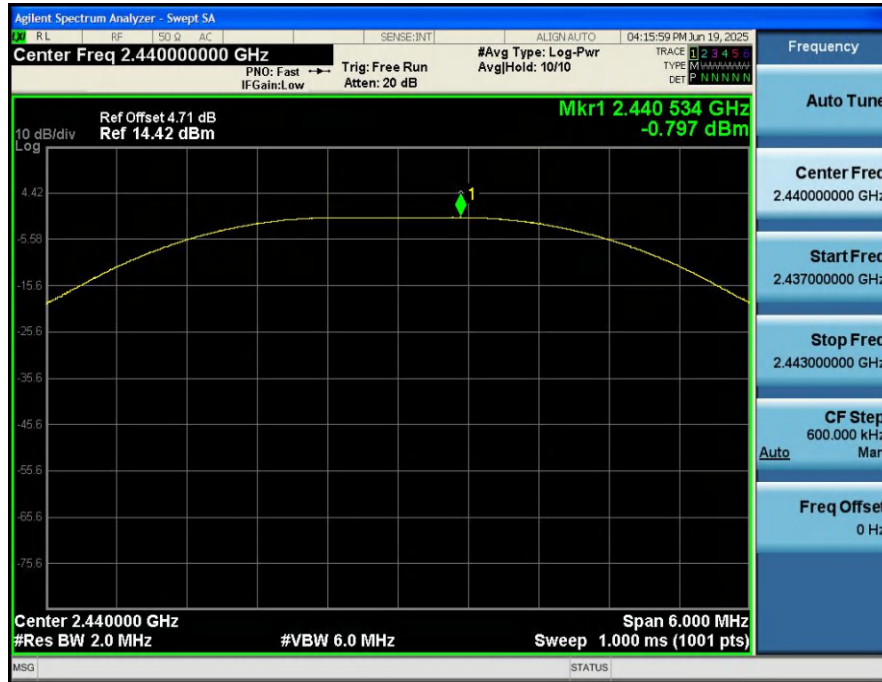


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Peak_Output_Power_NVNT_ANT1_2Mbps_2440



Peak_Output_Power_NVNT_ANT1_2Mbps_2480



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Appendix E: Peak Output Power(Left)

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-0.71	0.85	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-1.34	0.73	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-2.12	0.61	1000	Pass
NVNT	ANT1	2Mbps	2402.00	-2.04	0.63	1000	Pass
NVNT	ANT1	2Mbps	2440.00	-2.54	0.56	1000	Pass
NVNT	ANT1	2Mbps	2480.00	-2.13	0.61	1000	Pass

Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



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Peak_Output_Power_NVNT_ANT1_1Mbps_2480



Peak_Output_Power_NVNT_ANT1_2Mbps_2402

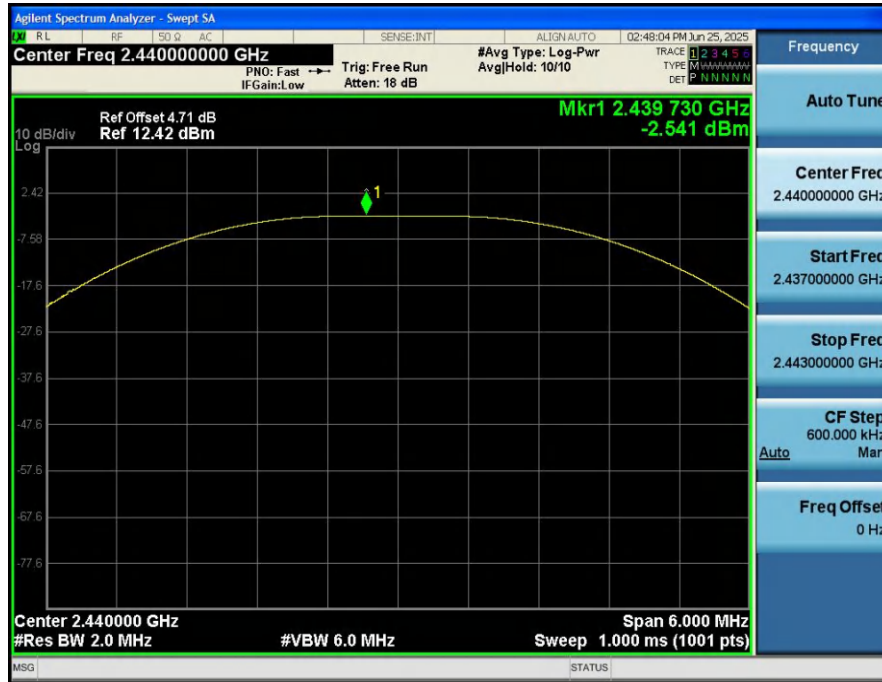


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Peak_Output_Power_NVNT_ANT1_2Mbps_2440



Peak_Output_Power_NVNT_ANT1_2Mbps_2480



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Appendix F: Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-12.03	8	Pass
NVNT	ANT1	1Mbps	2440.00	-12.78	8	Pass
NVNT	ANT1	1Mbps	2480.00	-12.75	8	Pass
NVNT	ANT1	2Mbps	2402.00	-15.54	8	Pass
NVNT	ANT1	2Mbps	2440.00	-16.00	8	Pass
NVNT	ANT1	2Mbps	2480.00	-16.80	8	Pass

Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



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Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



Power_Spectral_Density_NVNT_ANT1_2Mbps_2402



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Power_Spectral_Density_NVNT_ANT1_2Mbps_2440



Power_Spectral_Density_NVNT_ANT1_2Mbps_2480



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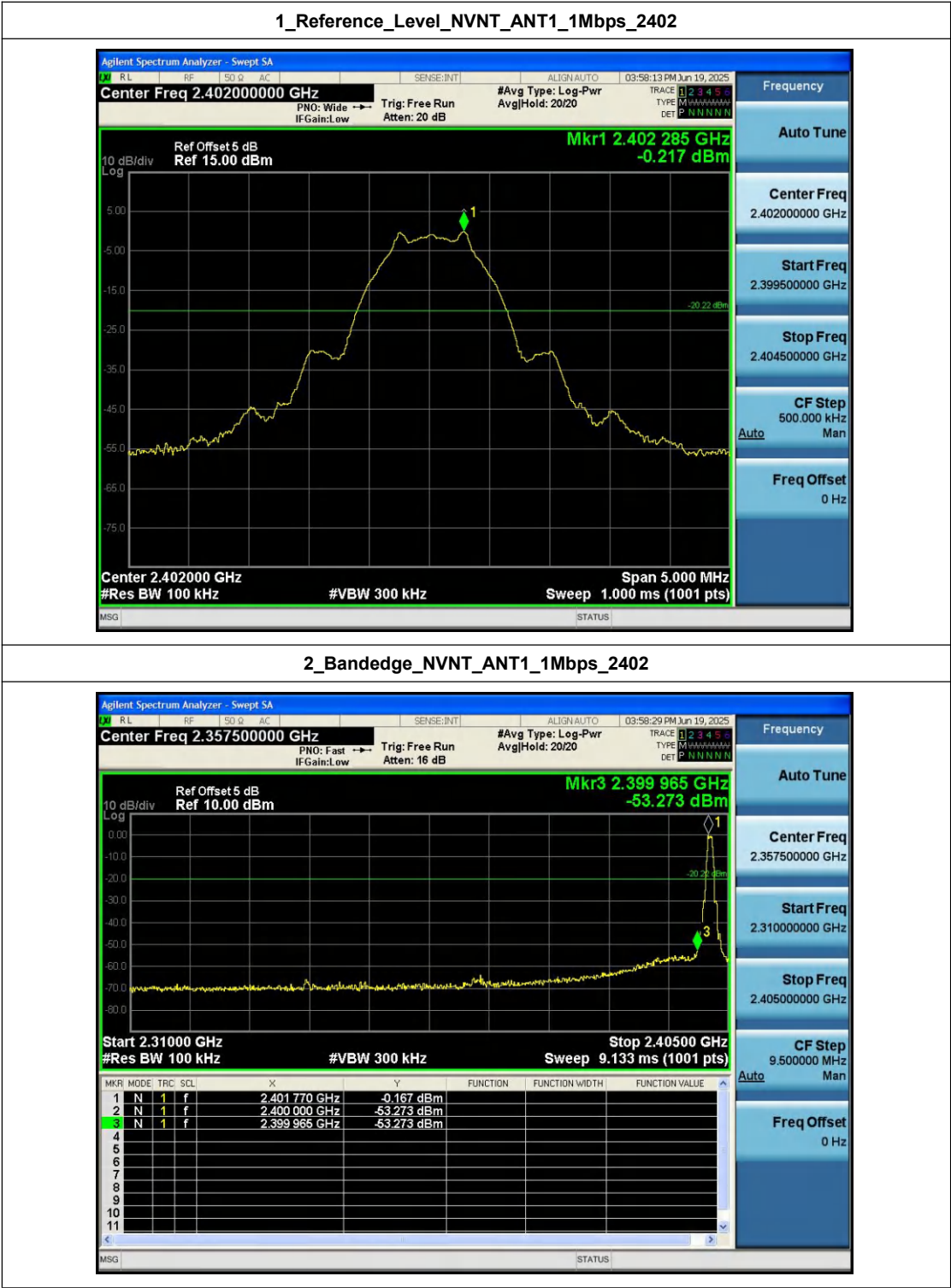
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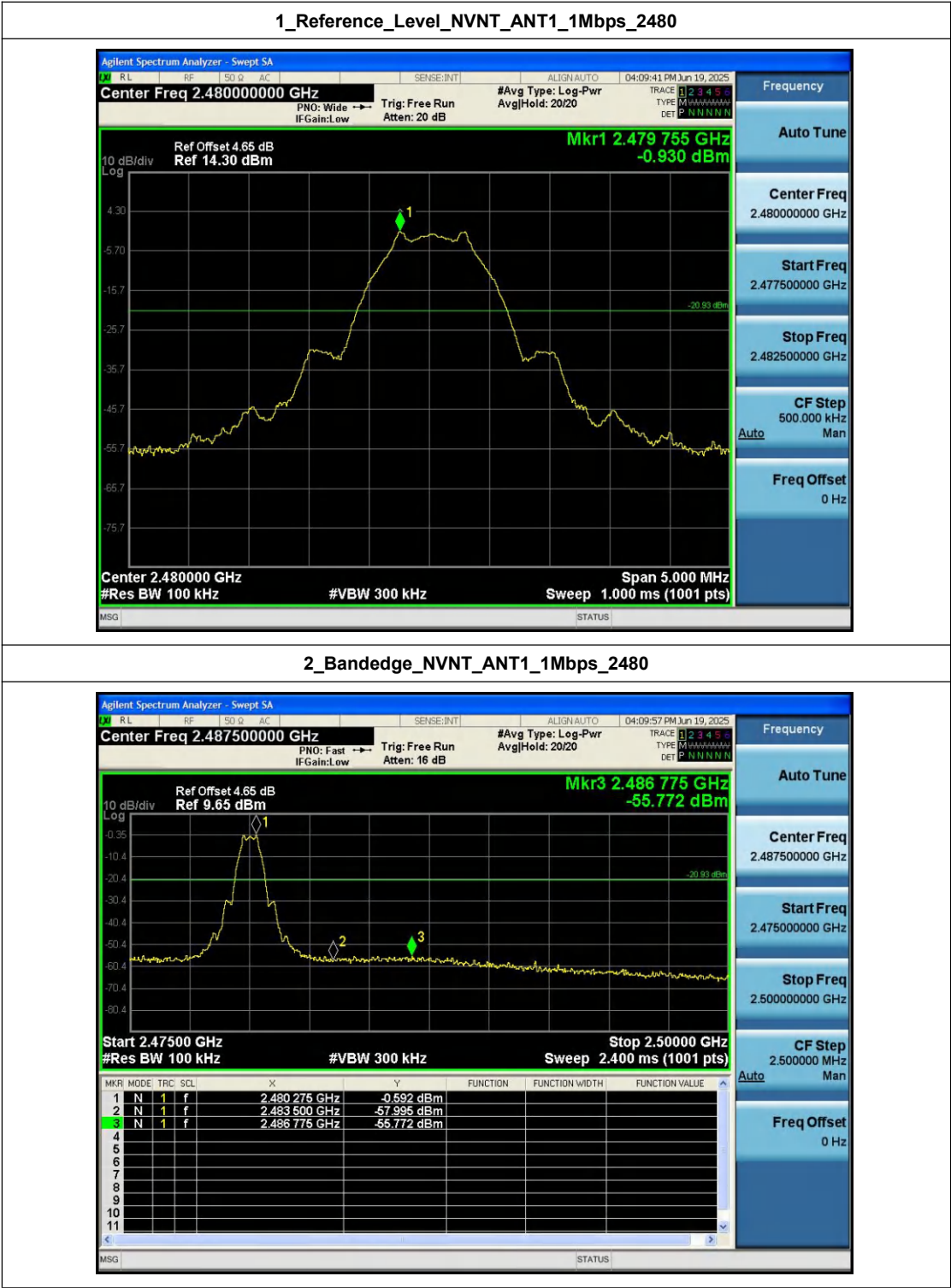
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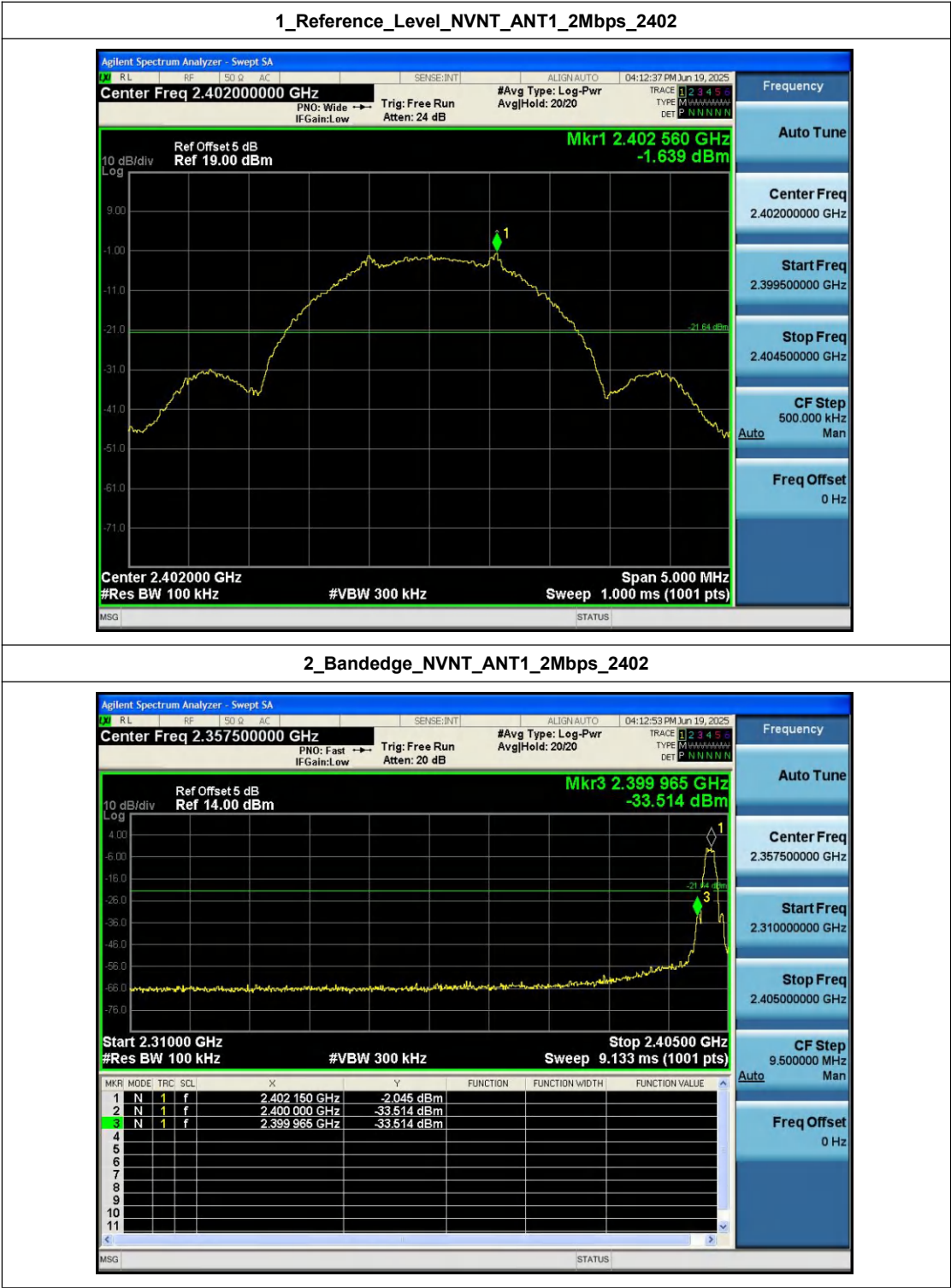
Appendix G: Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	-0.217	-53.273	-20.217	Pass
NVNT	ANT1	1Mbps	2480.00	2486.775	-0.930	-55.772	-20.930	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-1.639	-33.514	-21.639	Pass
NVNT	ANT1	2Mbps	2480.00	2483.525	-1.879	-53.711	-21.879	Pass

Remark:1. 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.



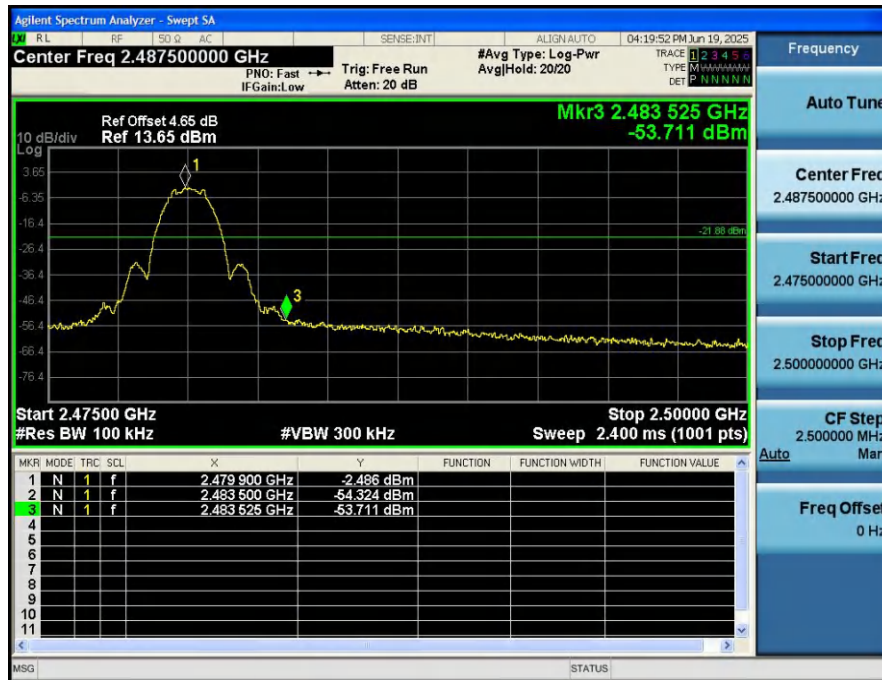




1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Bandedge_NVNT_ANT1_2Mbps_2480



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Appendix H: Spurious Emission

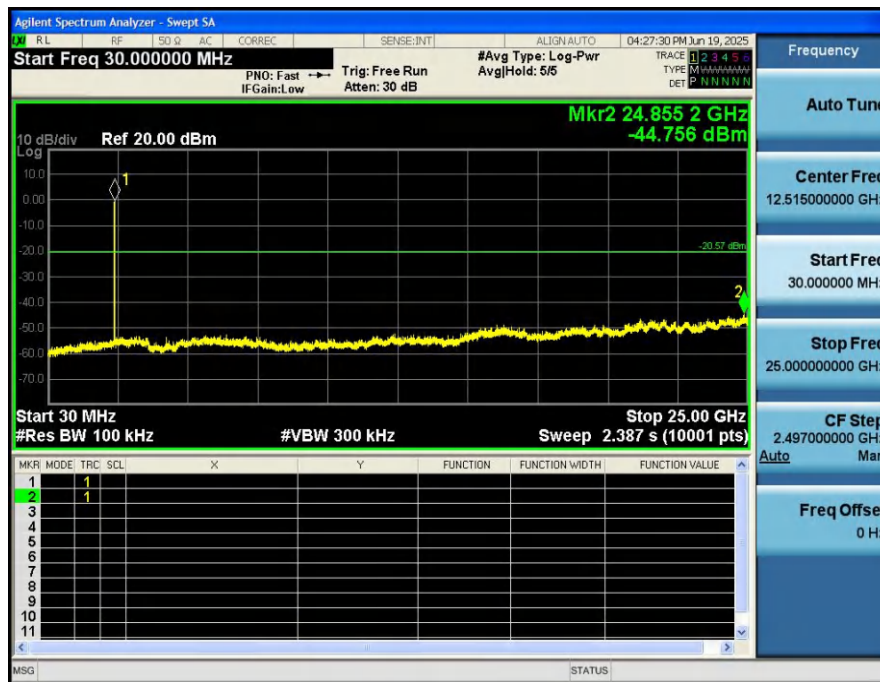
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-0.572	-44.756	-20.572	Pass
NVNT	ANT1	1Mbps	2440.00	-0.978	-43.448	-20.978	Pass
NVNT	ANT1	1Mbps	2480.00	-0.966	-44.228	-20.966	Pass
NVNT	ANT1	2Mbps	2402.00	-2.510	-44.565	-22.510	Pass
NVNT	ANT1	2Mbps	2440.00	-2.358	-44.970	-22.358	Pass
NVNT	ANT1	2Mbps	2480.00	-3.042	-44.546	-23.042	Pass

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

1_Reference_Level_NVNT_ANT1_1Mbps_2402



2_Spurious_Emission_NVNT_ANT1_1Mbps_2402

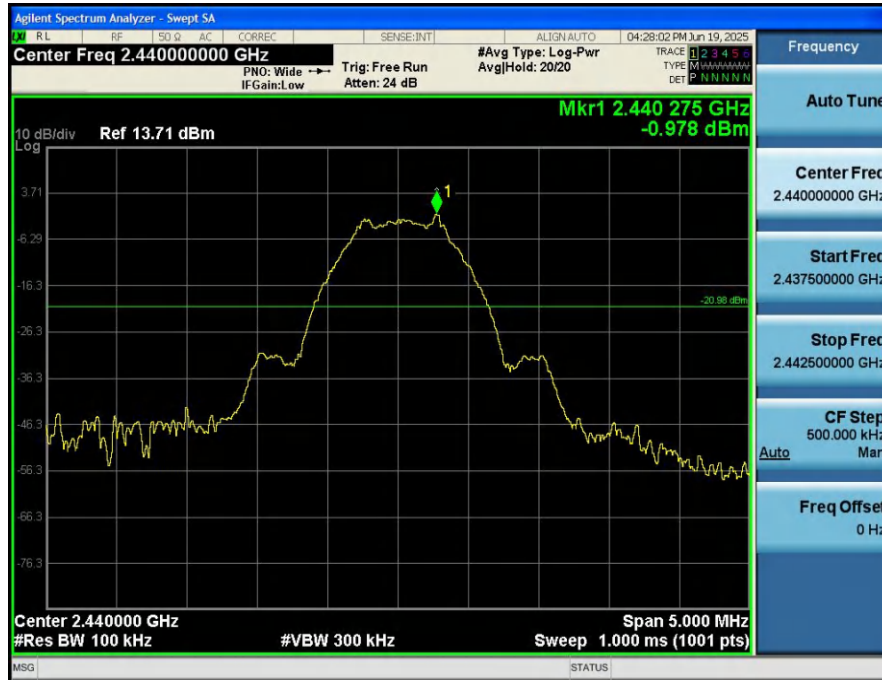


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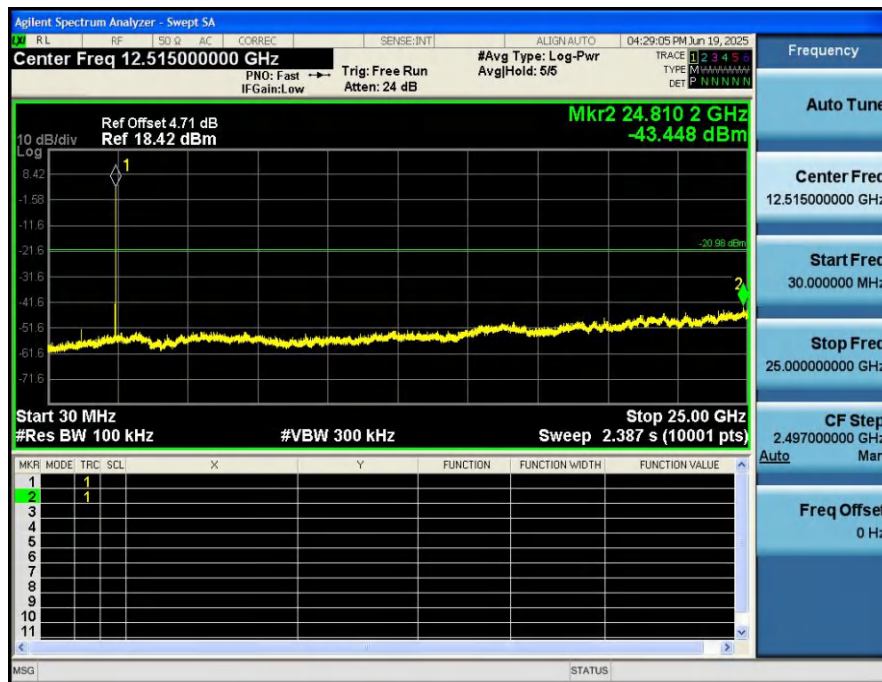
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1_Reference_Level_NVNT_ANT1_1Mbps_2440



2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



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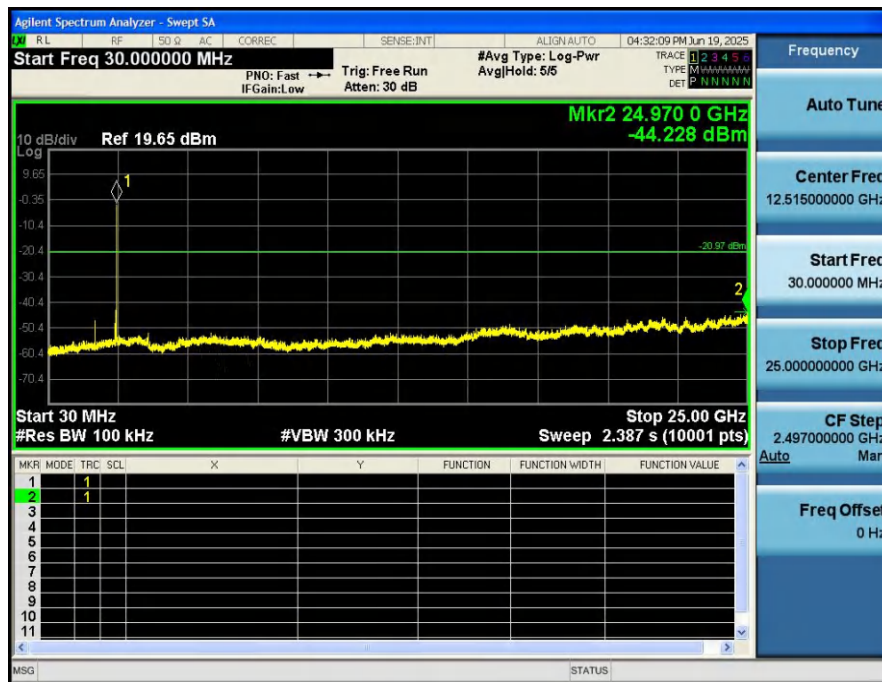
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1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



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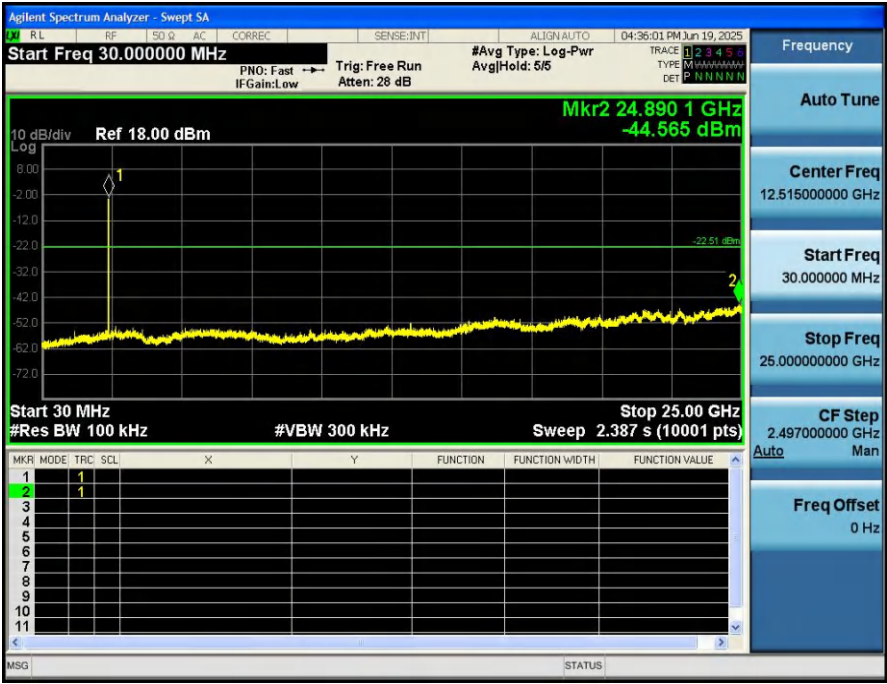
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1_Reference_Level_NVNT_ANT1_2Mbps_2402



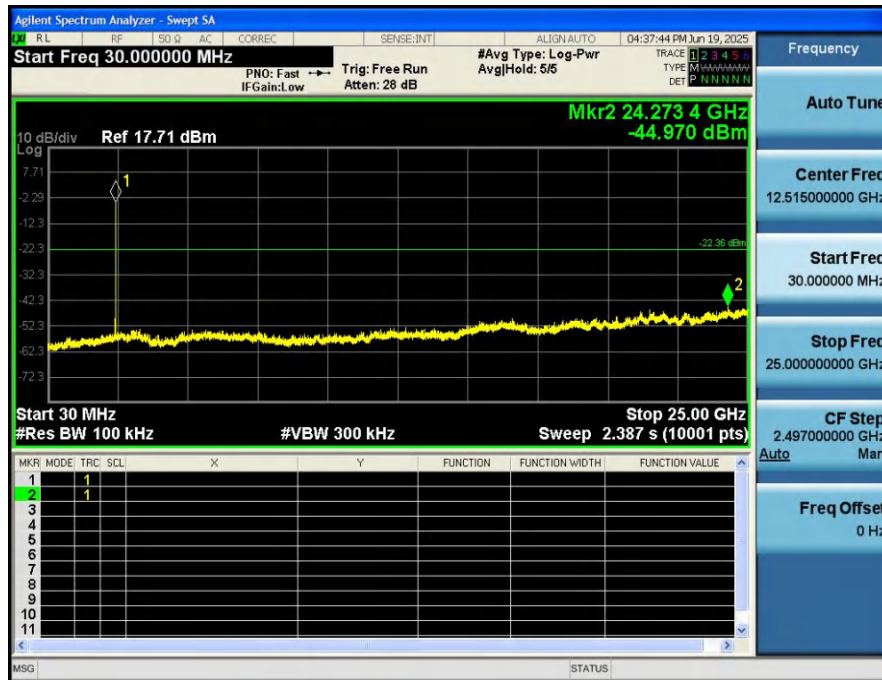
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1_Reference_Level_NVNT_ANT1_2Mbps_2440



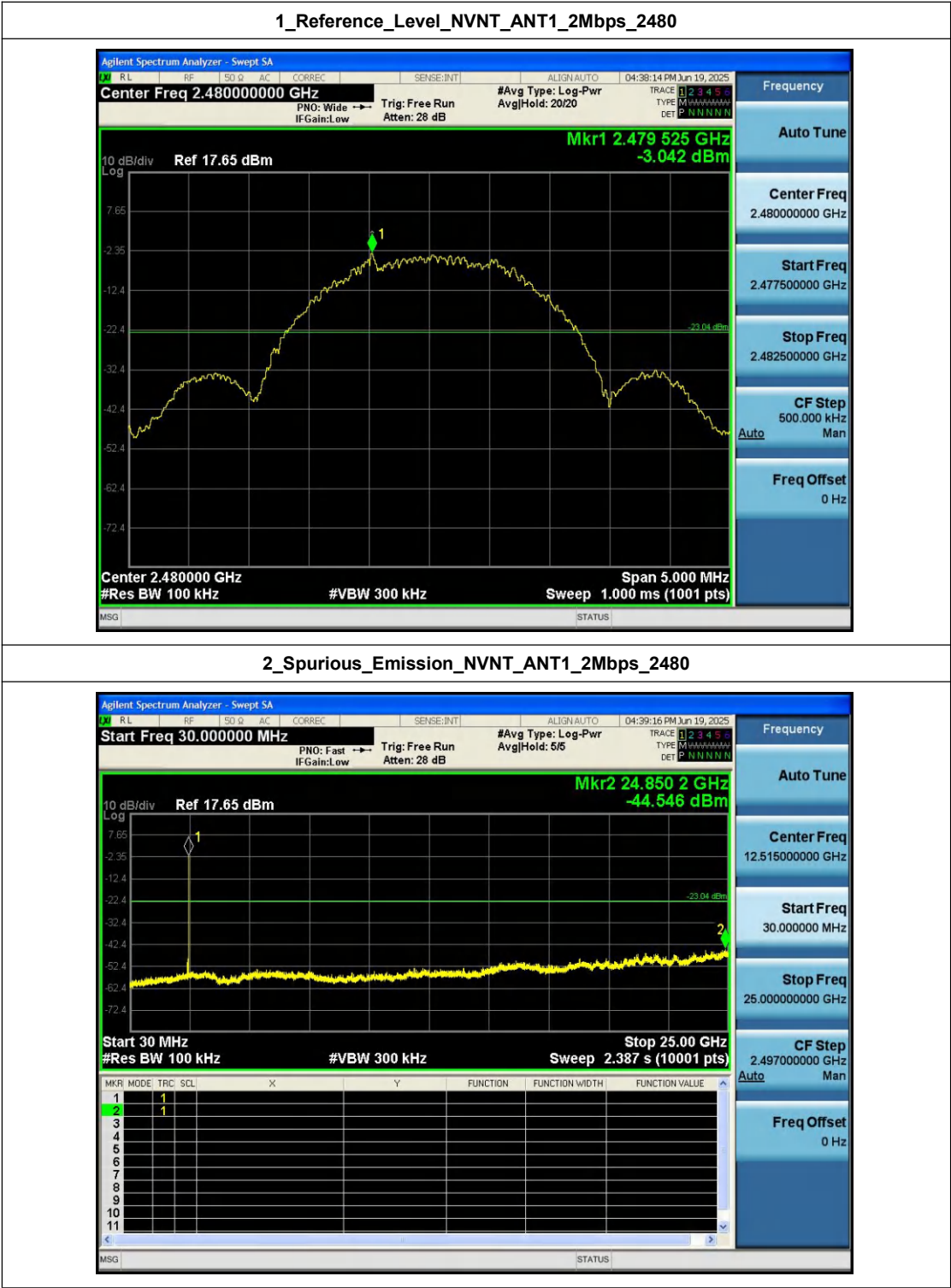
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