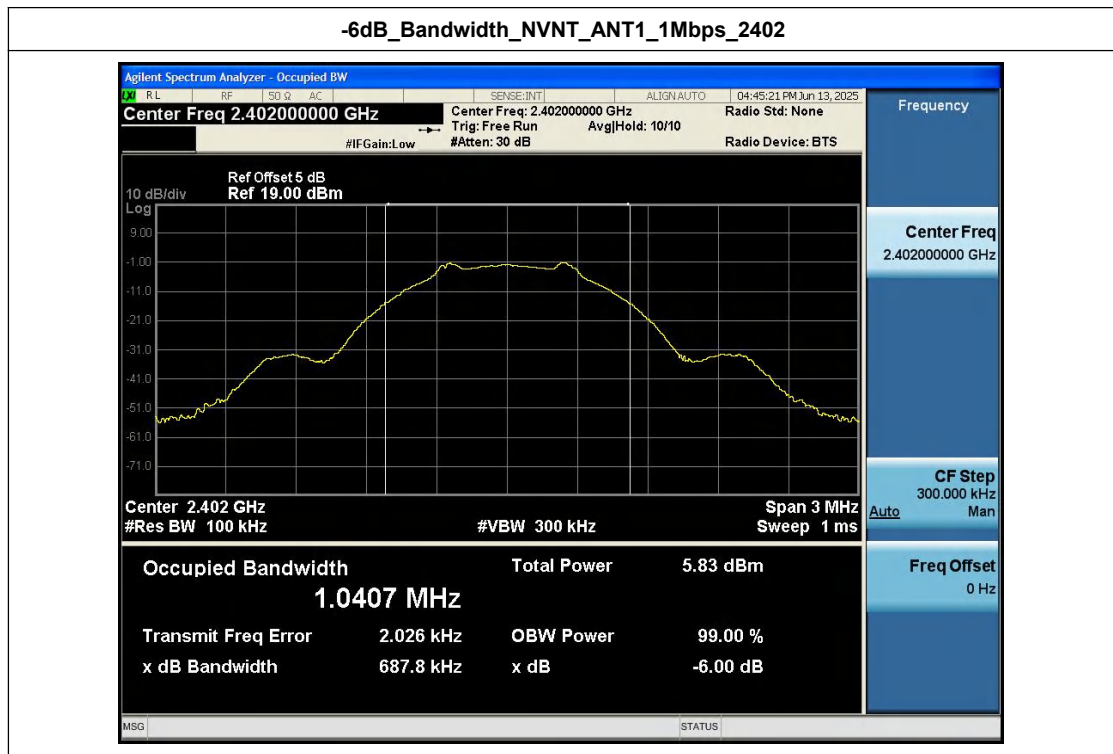


Appendix Test Data

Report No.:	1816C50010012501	Test Sample No.:	1-2-2
Start Test Date:	2025.6.9	Finish Test Date:	2025.6.13
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.5°C	Relative Humidity:	63%
Pressure:	101kPa		

Appendix A: -6dB Bandwidth

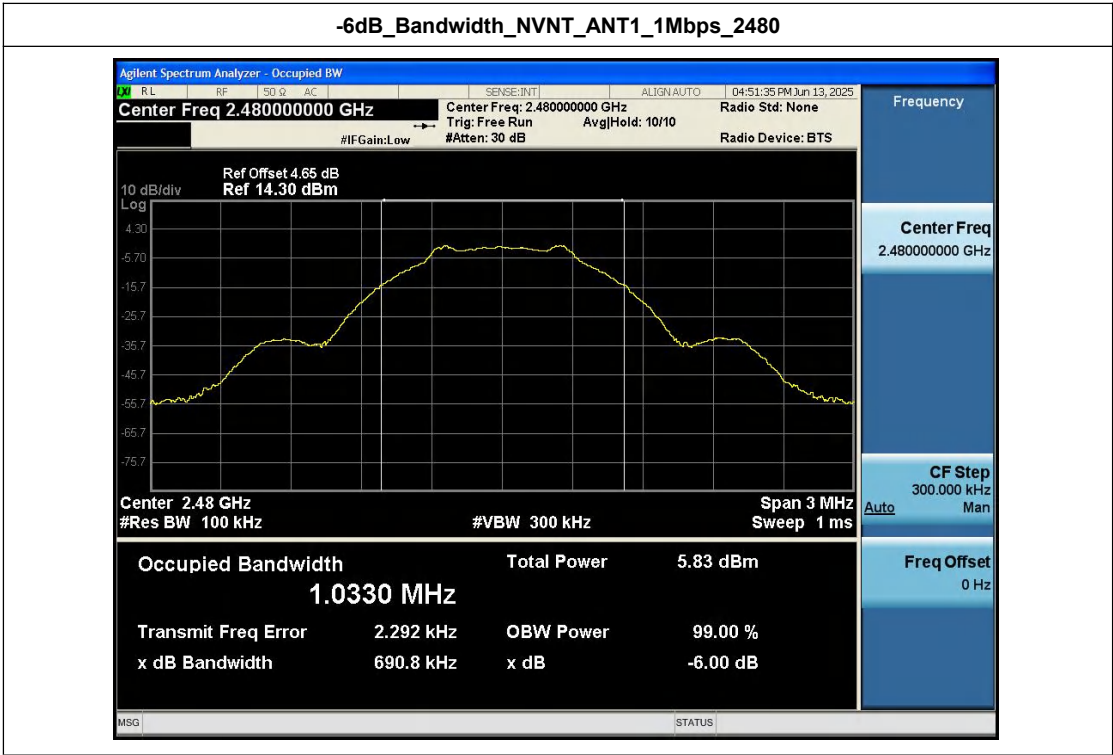
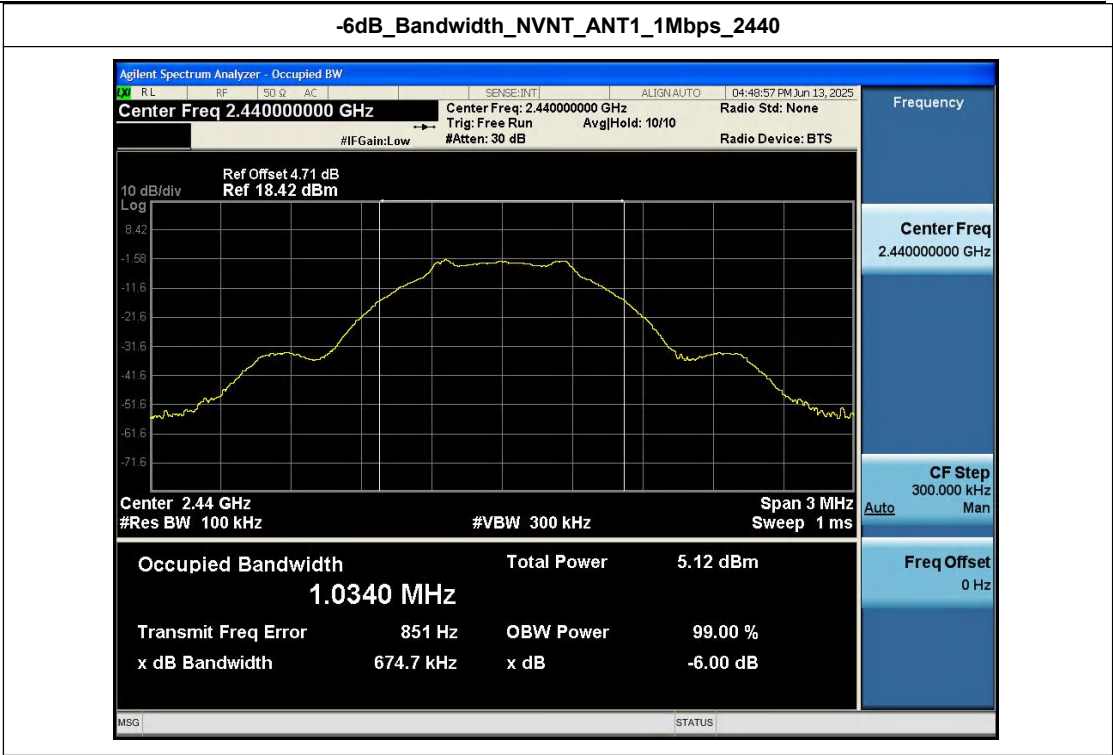
Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	687.78	500	Pass
NVNT	ANT1	1Mbps	2440.00	674.73	500	Pass
NVNT	ANT1	1Mbps	2480.00	690.76	500	Pass
NVNT	ANT1	2Mbps	2402.00	1392.64	500	Pass
NVNT	ANT1	2Mbps	2440.00	1419.38	500	Pass
NVNT	ANT1	2Mbps	2480.00	1348.91	500	Pass



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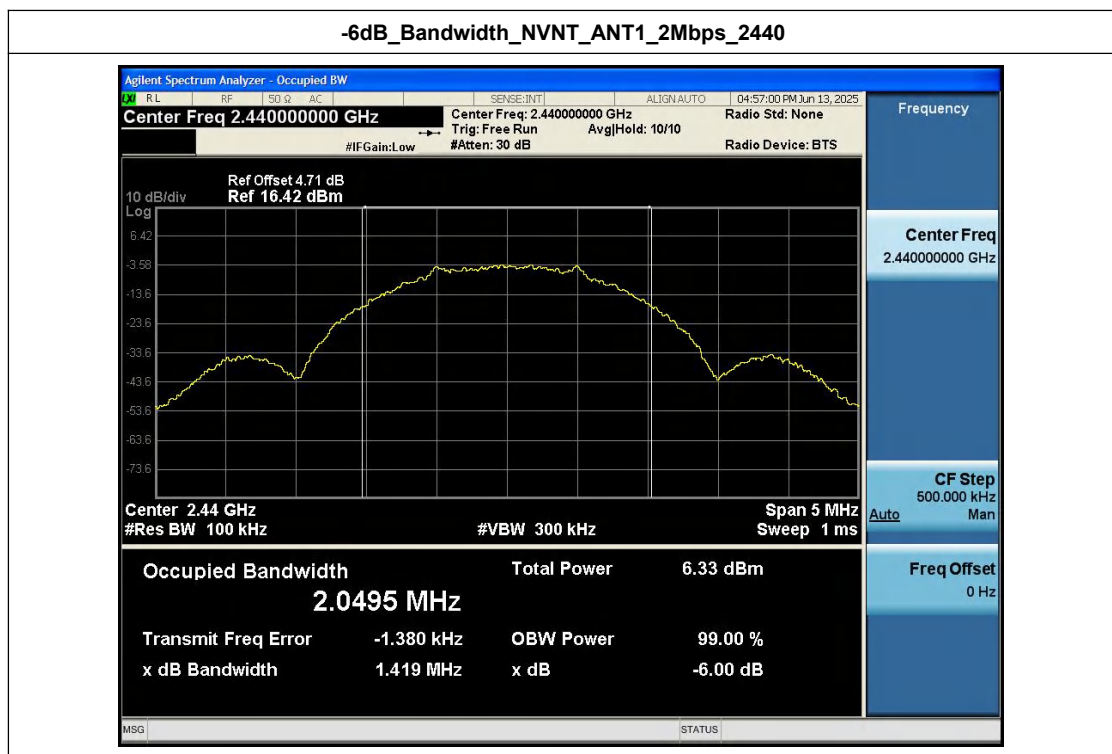
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-6dB_Bandwidth_NVNT_ANT1_2Mbps_2440

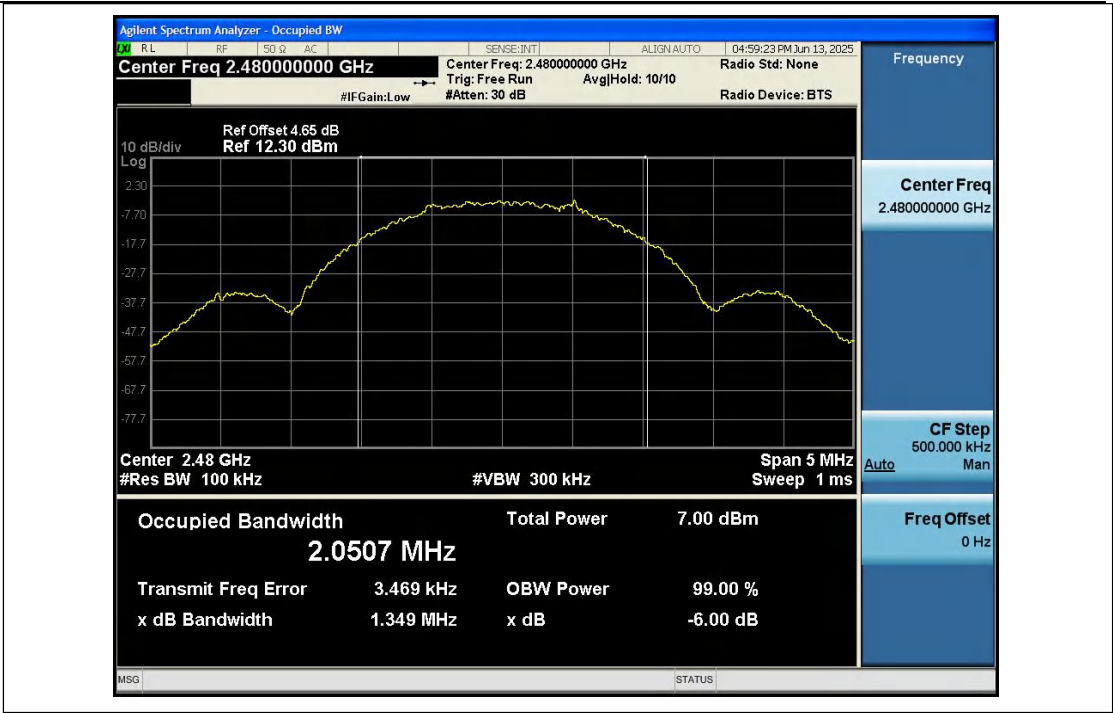


-6dB_Bandwidth_NVNT_ANT1_2Mbps_2480

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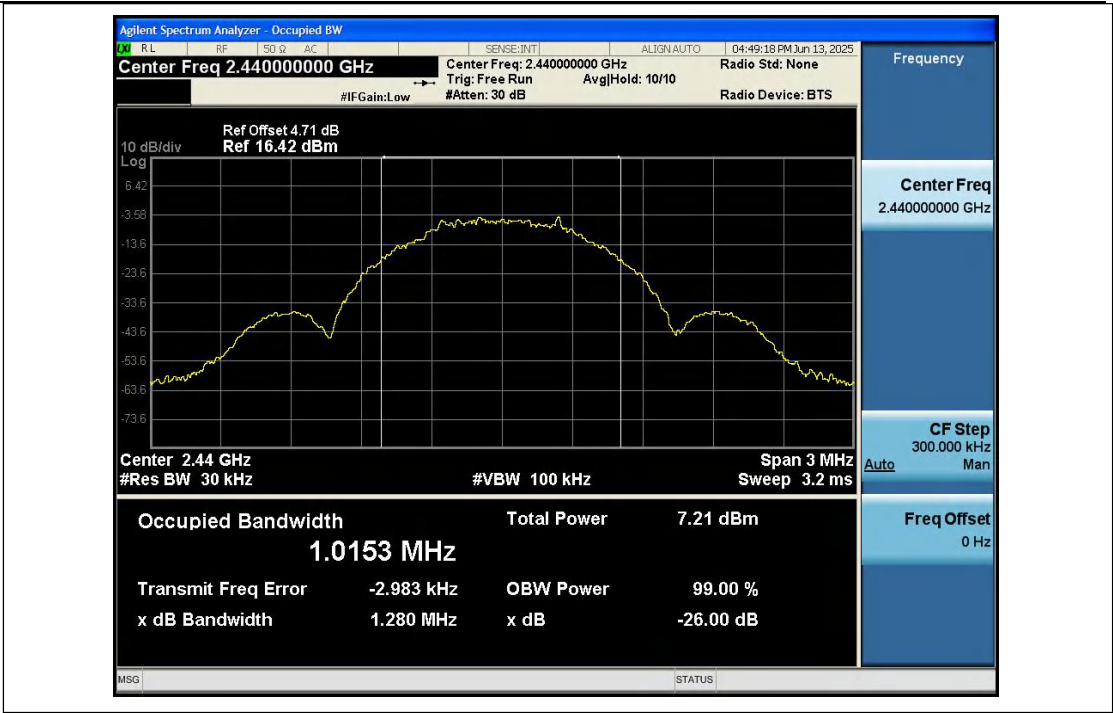
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.036
NVNT	ANT1	1Mbps	2440.00	1.015
NVNT	ANT1	1Mbps	2480.00	1.010
NVNT	ANT1	2Mbps	2402.00	2.042
NVNT	ANT1	2Mbps	2440.00	2.048
NVNT	ANT1	2Mbps	2480.00	2.040

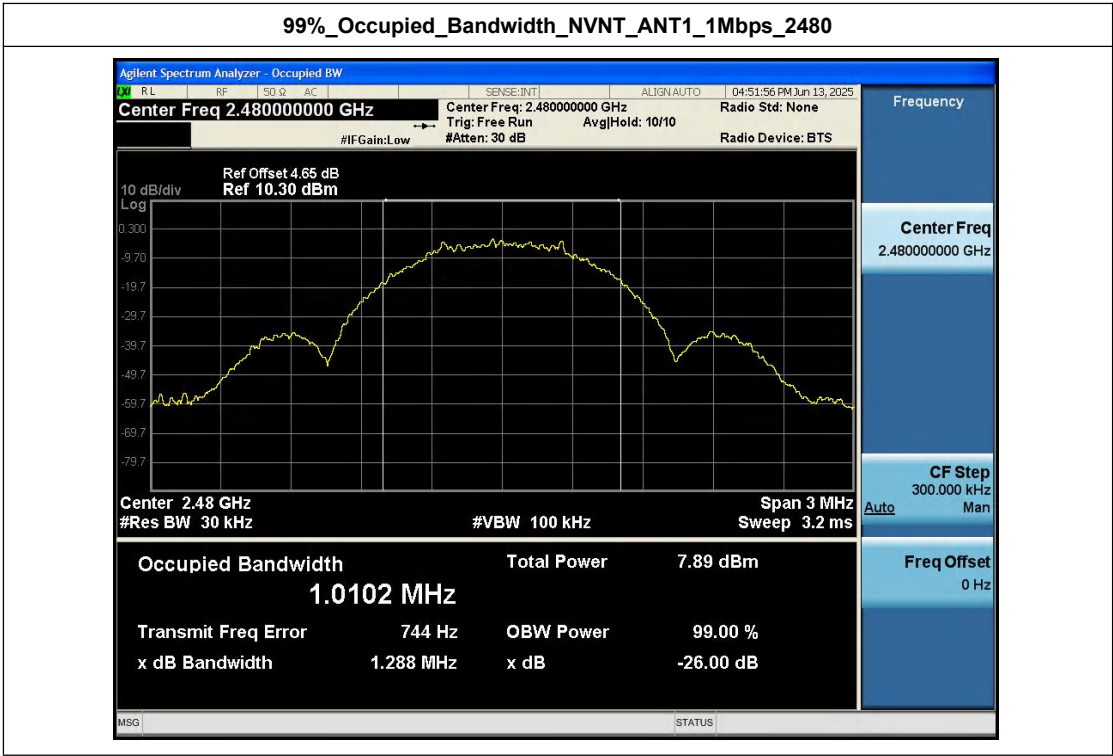
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



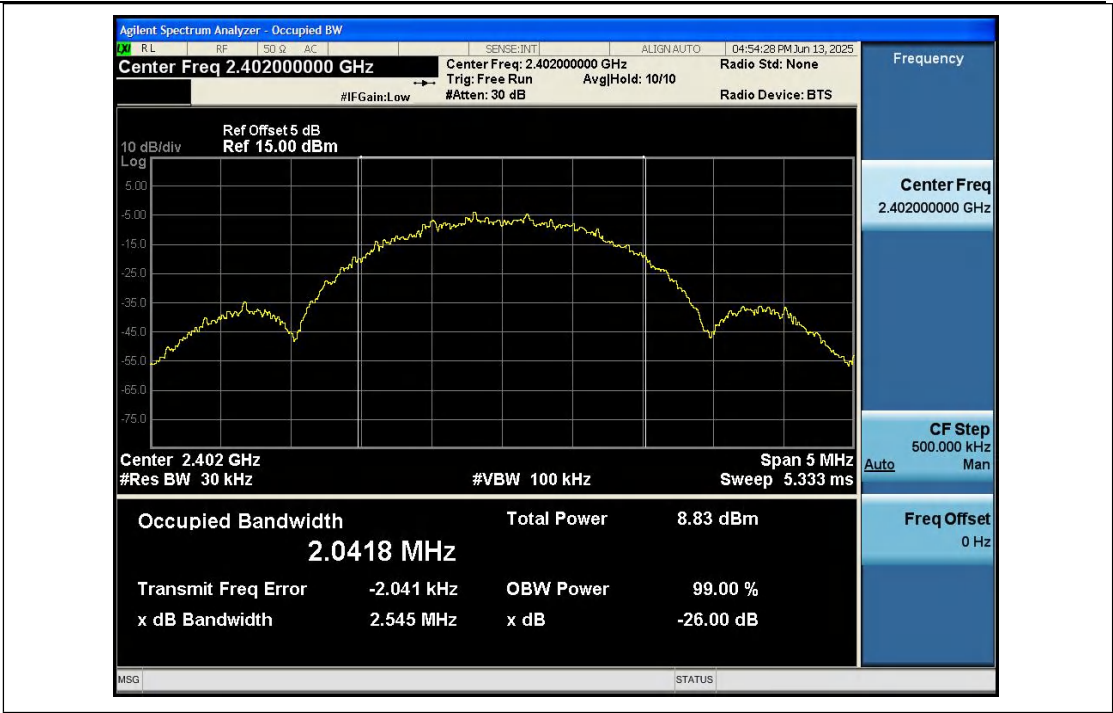
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



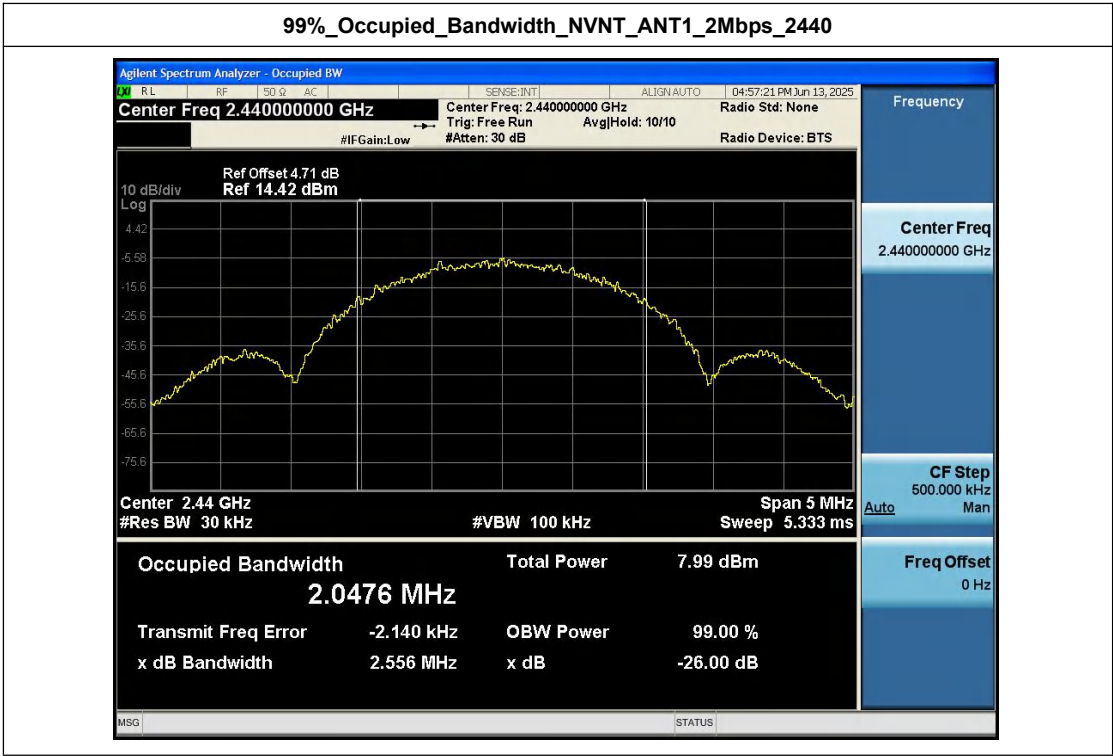
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



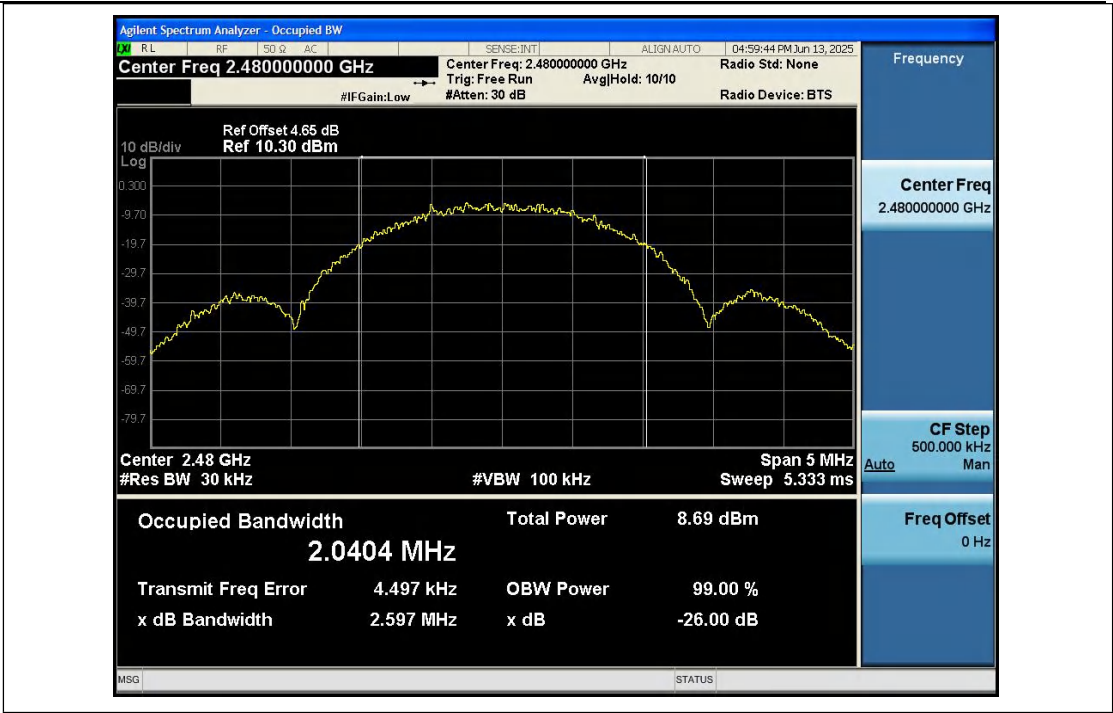
99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2440



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2480



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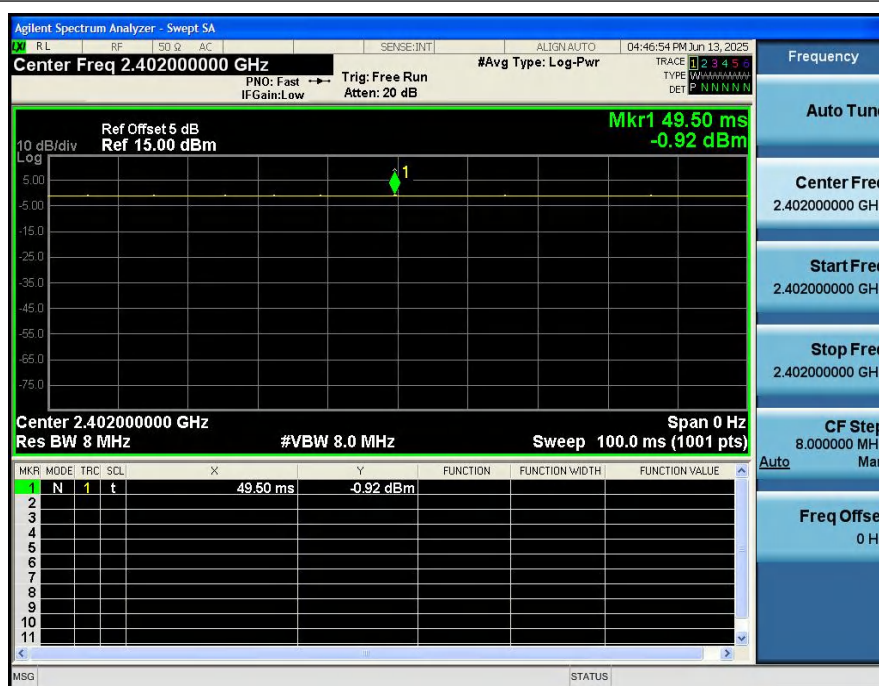
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Appendix C: Duty Cycle

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

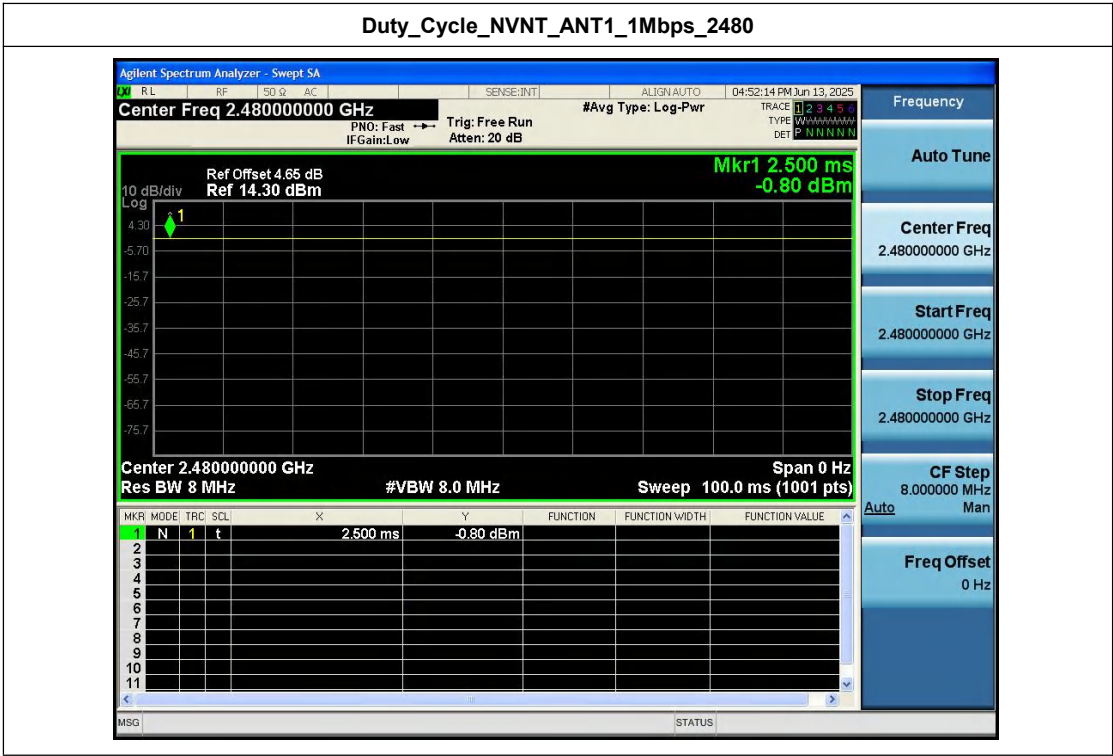
Duty_Cycle_NVNT_ANT1_1Mbps_2402



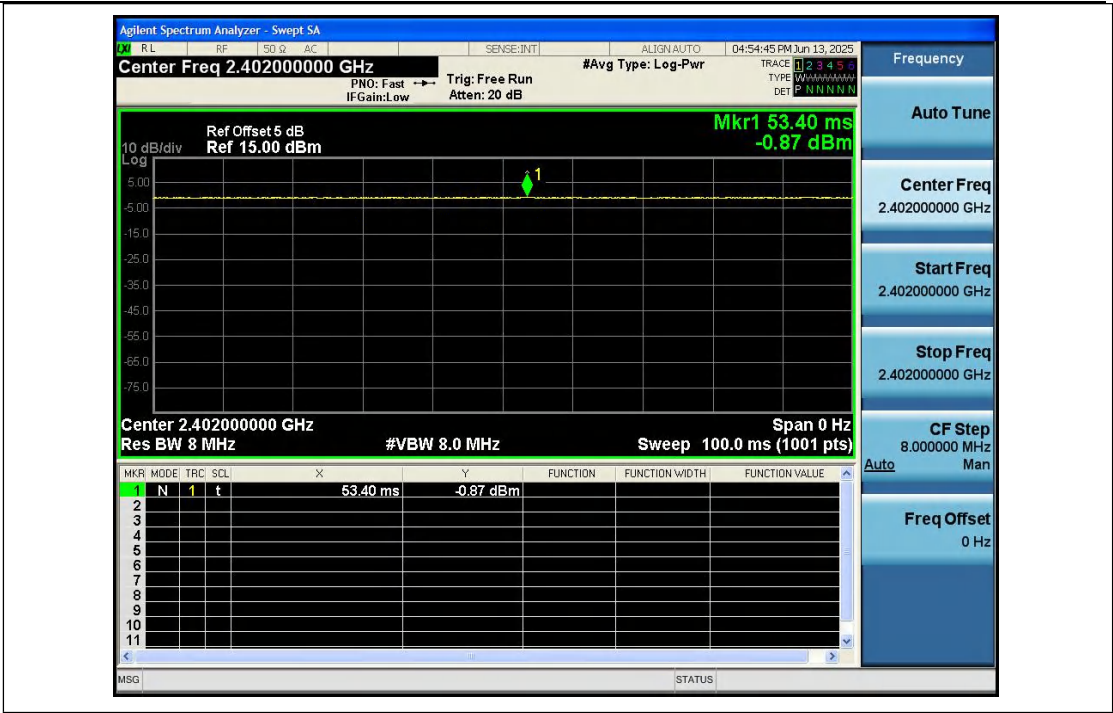
Duty_Cycle_NVNT_ANT1_1Mbps_2440



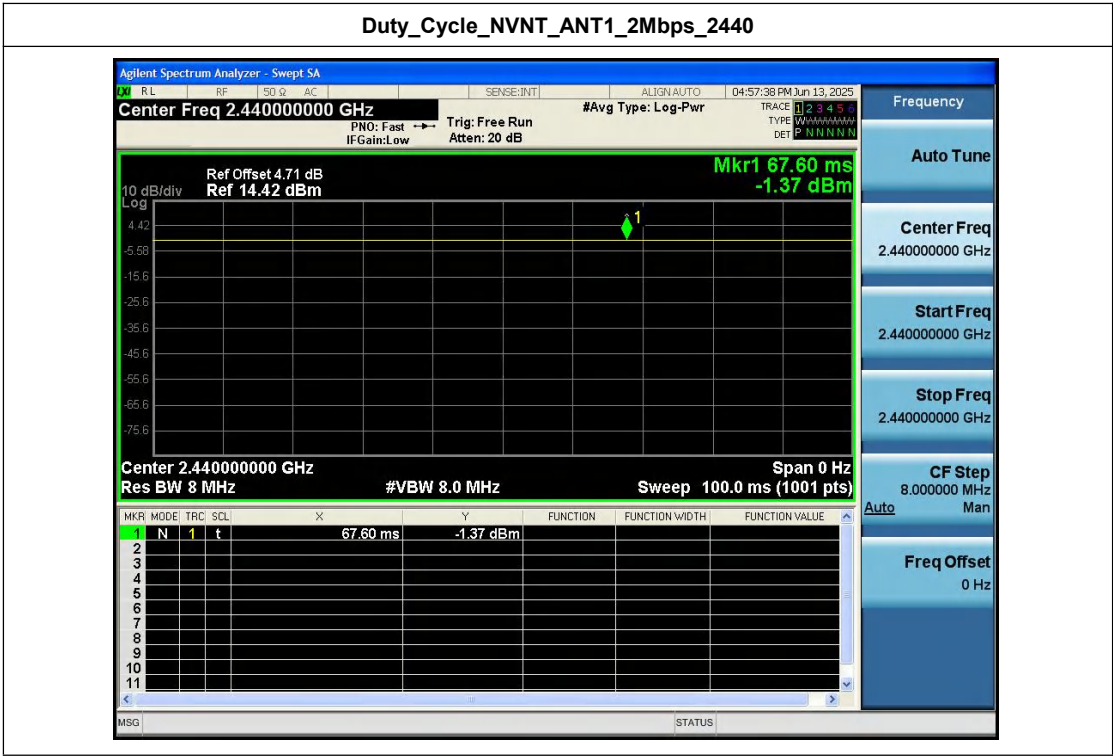
Duty_Cycle_NVNT_ANT1_1Mbps_2480



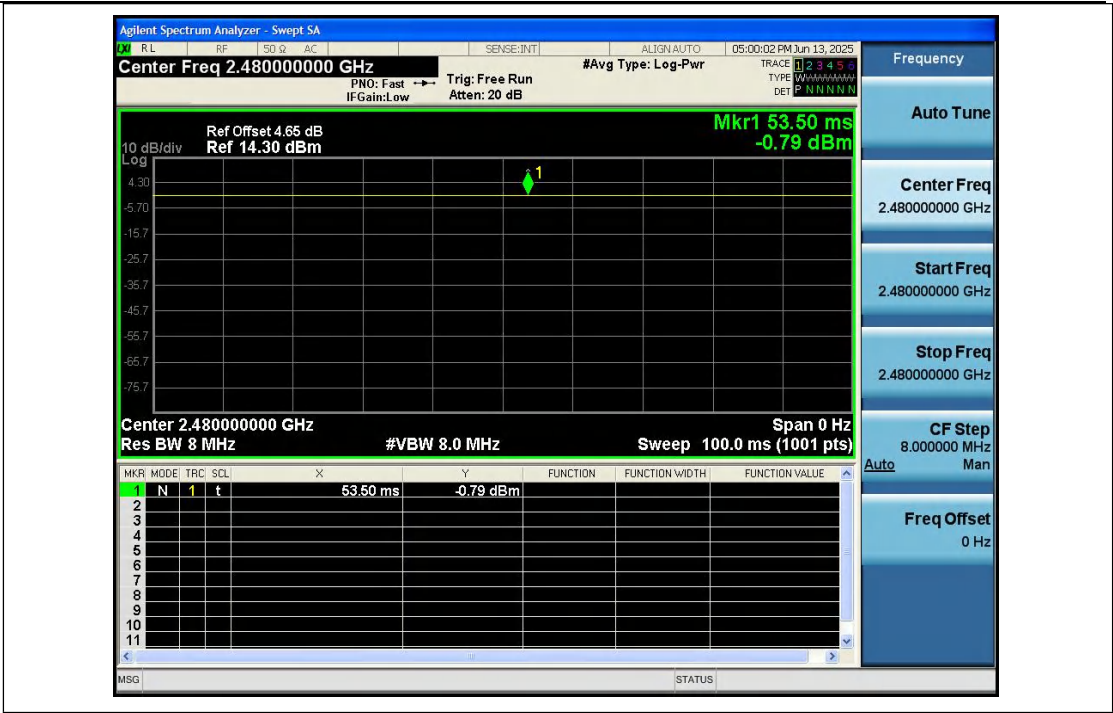
Duty_Cycle_NVNT_ANT1_2Mbps_2402



Duty_Cycle_NVNT_ANT1_2Mbps_2440



Duty_Cycle_NVNT_ANT1_2Mbps_2480



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Appendix D: Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-0.96	0.80	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-1.44	0.72	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.85	0.82	1000	Pass
NVNT	ANT1	2Mbps	2402.00	-0.97	0.80	1000	Pass
NVNT	ANT1	2Mbps	2440.00	-1.45	0.72	1000	Pass
NVNT	ANT1	2Mbps	2480.00	-0.90	0.81	1000	Pass

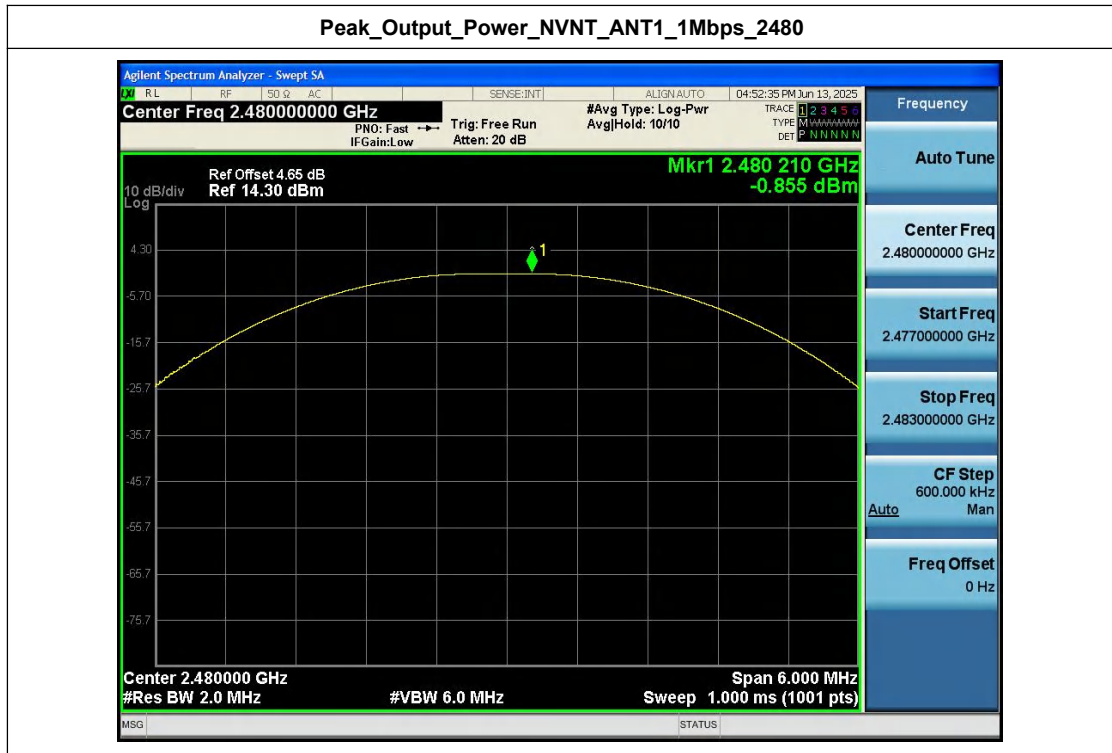
Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



Peak_Output_Power_NVNT_ANT1_1Mbps_2480

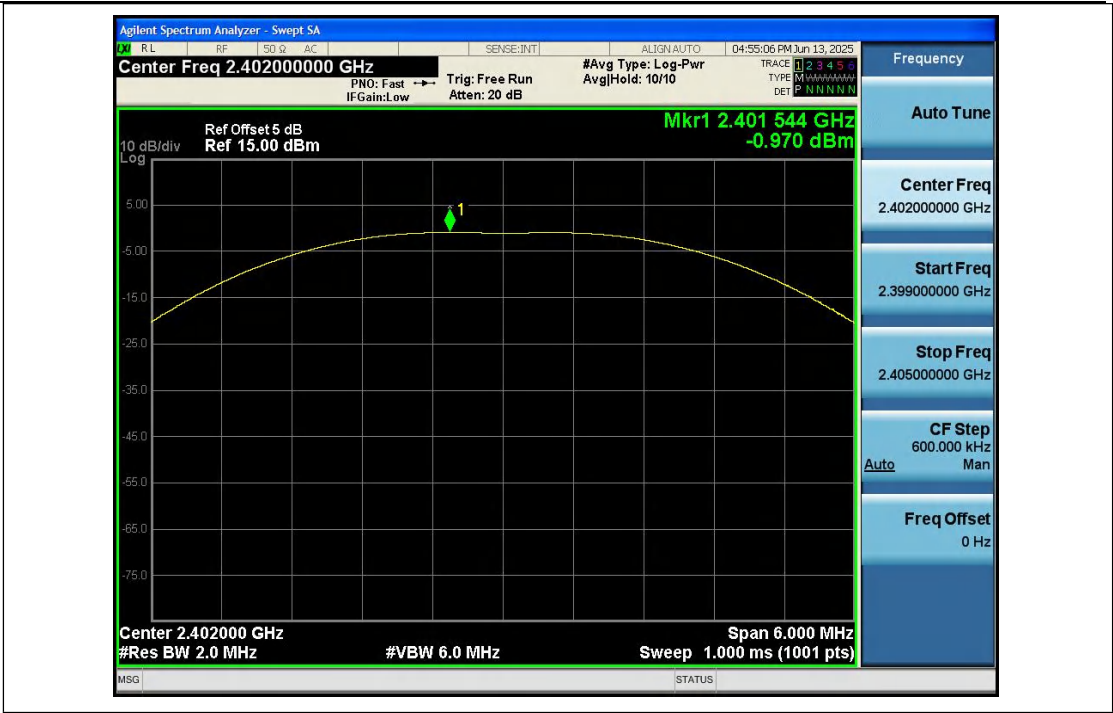


Peak_Output_Power_NVNT_ANT1_2Mbps_2402

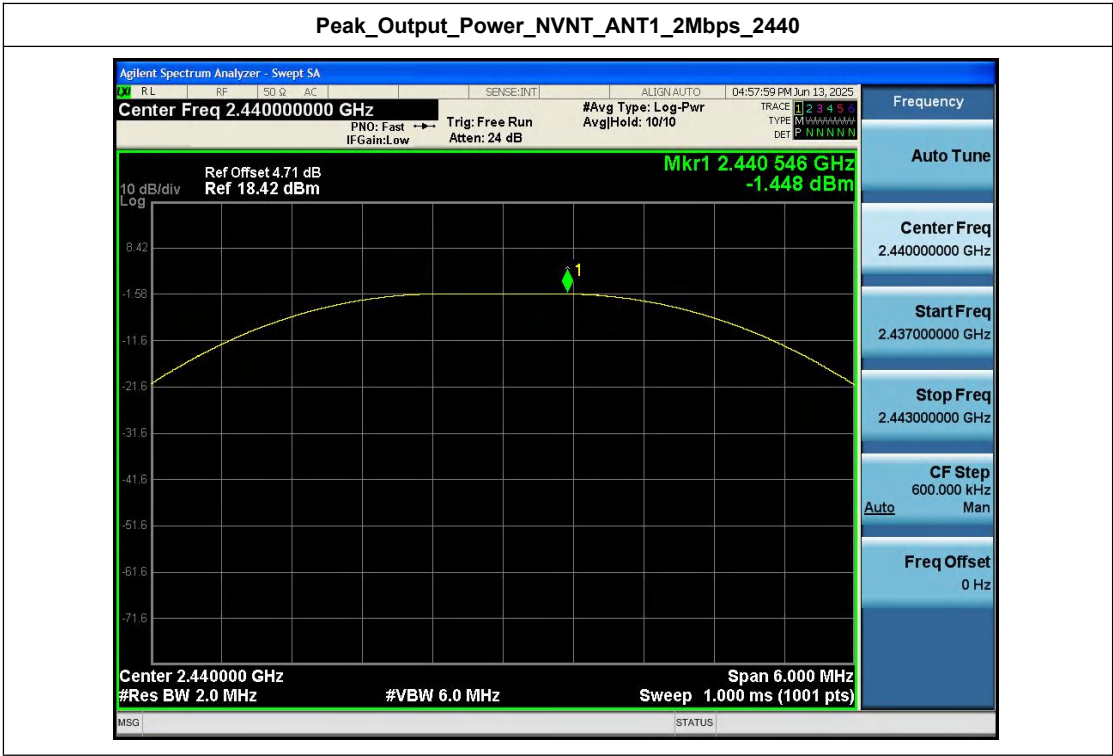
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Peak_Output_Power_NVNT_ANT1_2Mbps_2440



Peak_Output_Power_NVNT_ANT1_2Mbps_2480



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Appendix E: Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-11.52	8	Pass
NVNT	ANT1	1Mbps	2440.00	-12.38	8	Pass
NVNT	ANT1	1Mbps	2480.00	-11.24	8	Pass
NVNT	ANT1	2Mbps	2402.00	-13.40	8	Pass
NVNT	ANT1	2Mbps	2440.00	-14.95	8	Pass
NVNT	ANT1	2Mbps	2480.00	-13.78	8	Pass

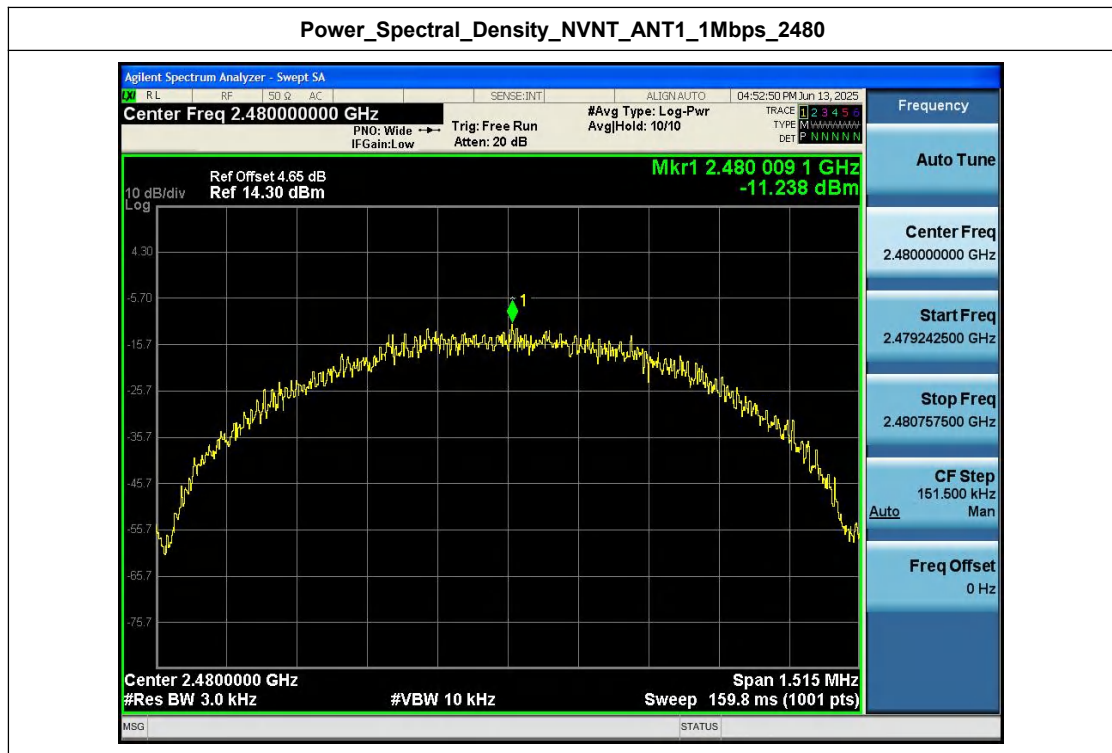
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



Power_Spectral_Density_NVNT_ANT1_2Mbps_2402

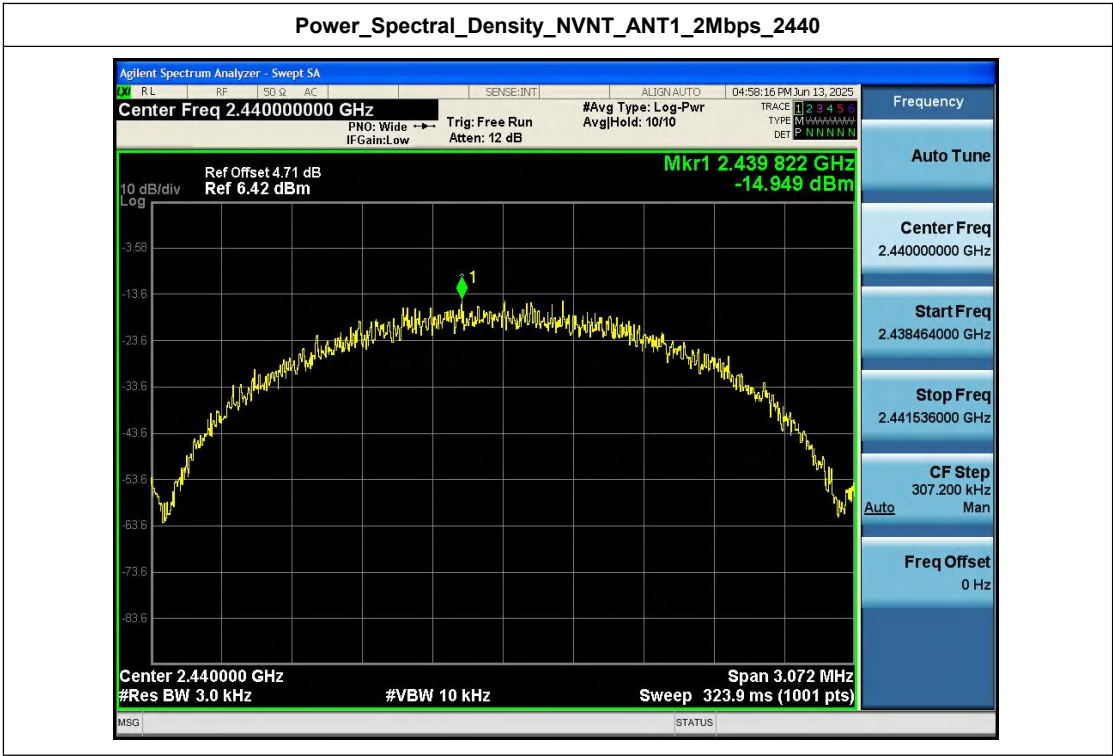
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Power_Spectral_Density_NVNT_ANT1_2Mbps_2440



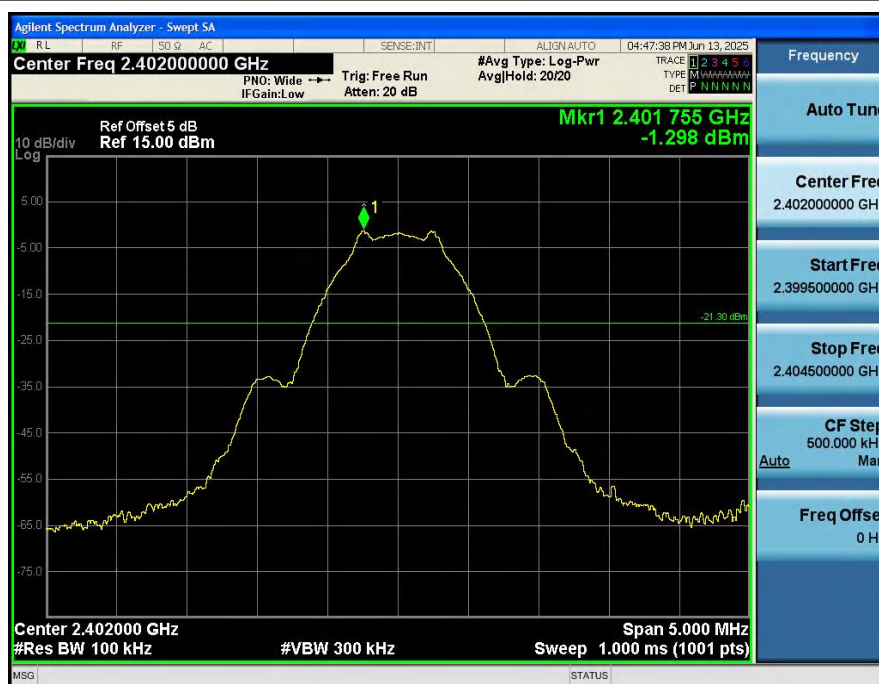
Power_Spectral_Density_NVNT_ANT1_2Mbps_2480

Appendix F: Bandedge

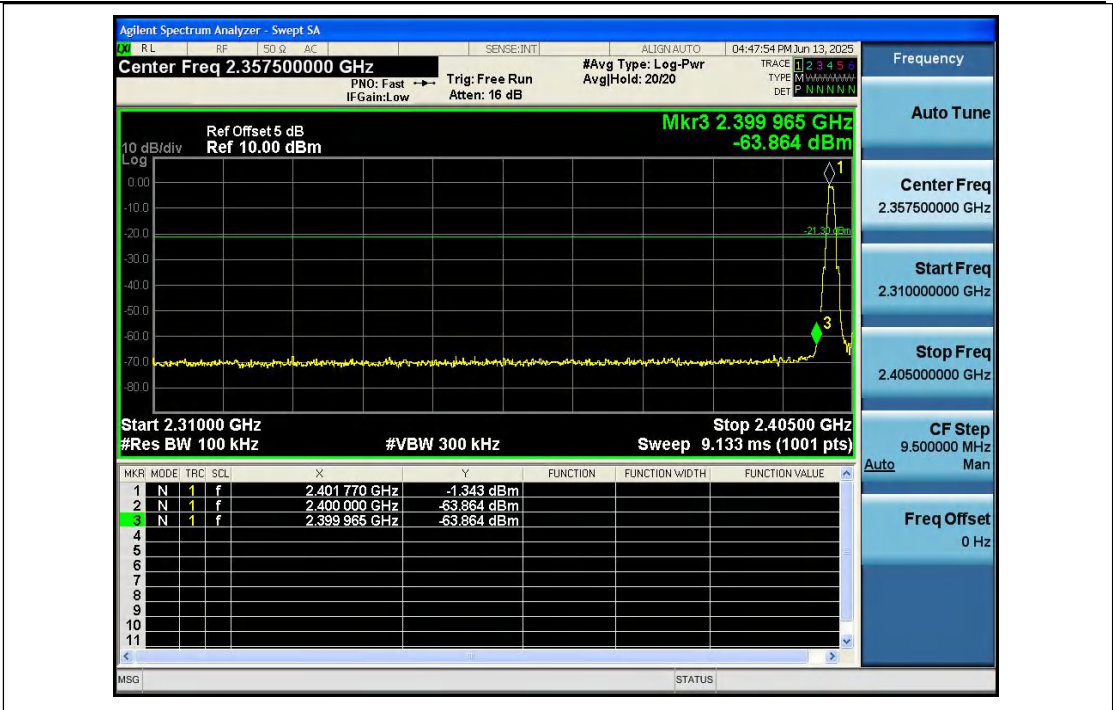
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	-1.298	-63.864	-21.298	Pass
NVNT	ANT1	1Mbps	2480.00	2483.725	-1.018	-66.082	-21.018	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-2.475	-35.010	-22.475	Pass
NVNT	ANT1	2Mbps	2480.00	2483.650	-2.884	-61.888	-22.884	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.

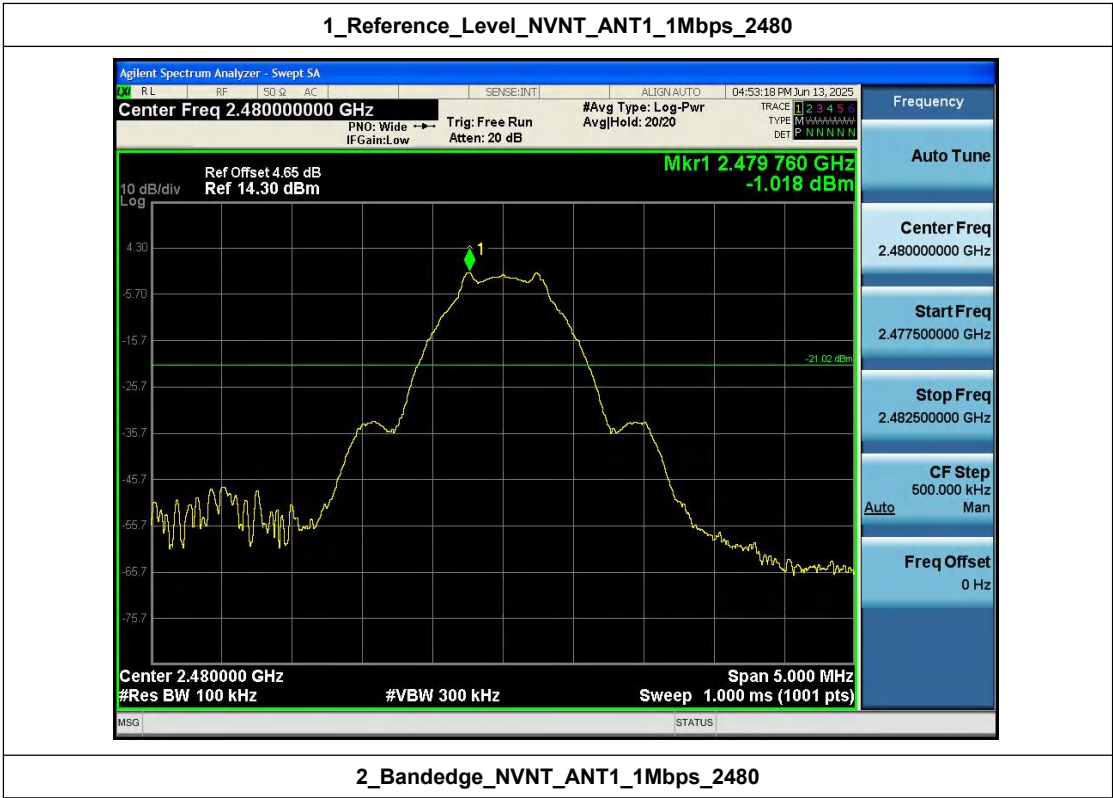
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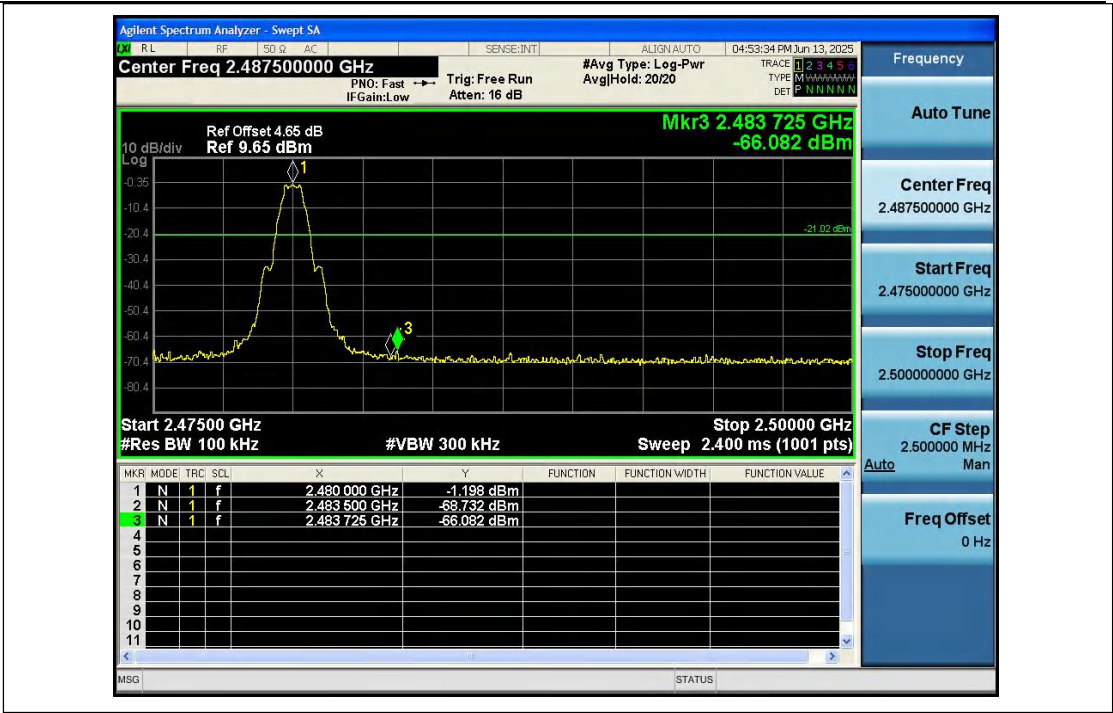
2_Bandedge_NVNT_ANT1_1Mbps_2402



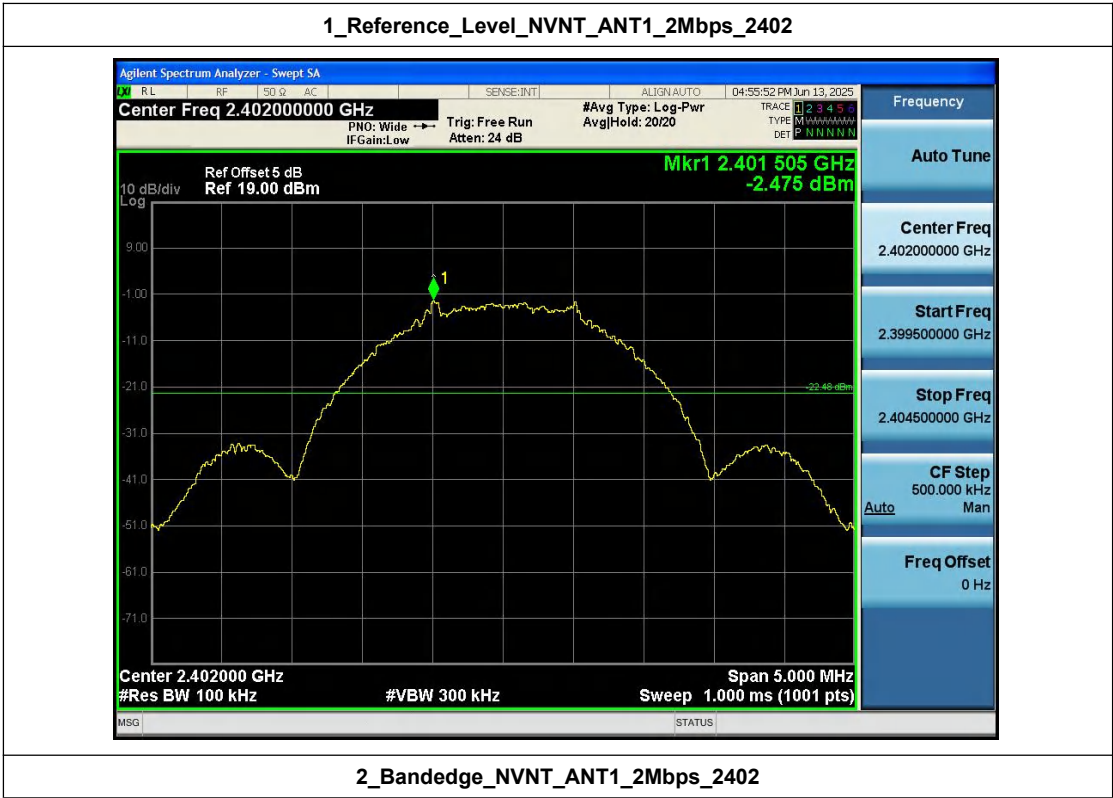
1_Reference_Level_NVNT_ANT1_1Mbps_2480



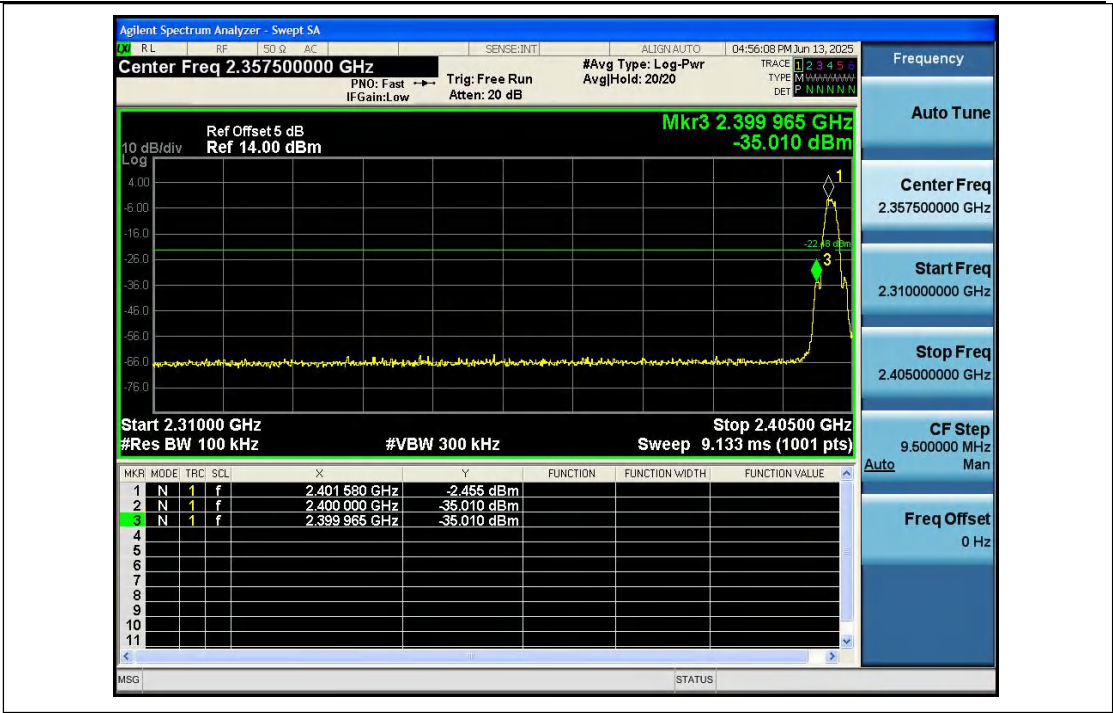
2_Bandedge_NVNT_ANT1_1Mbps_2480



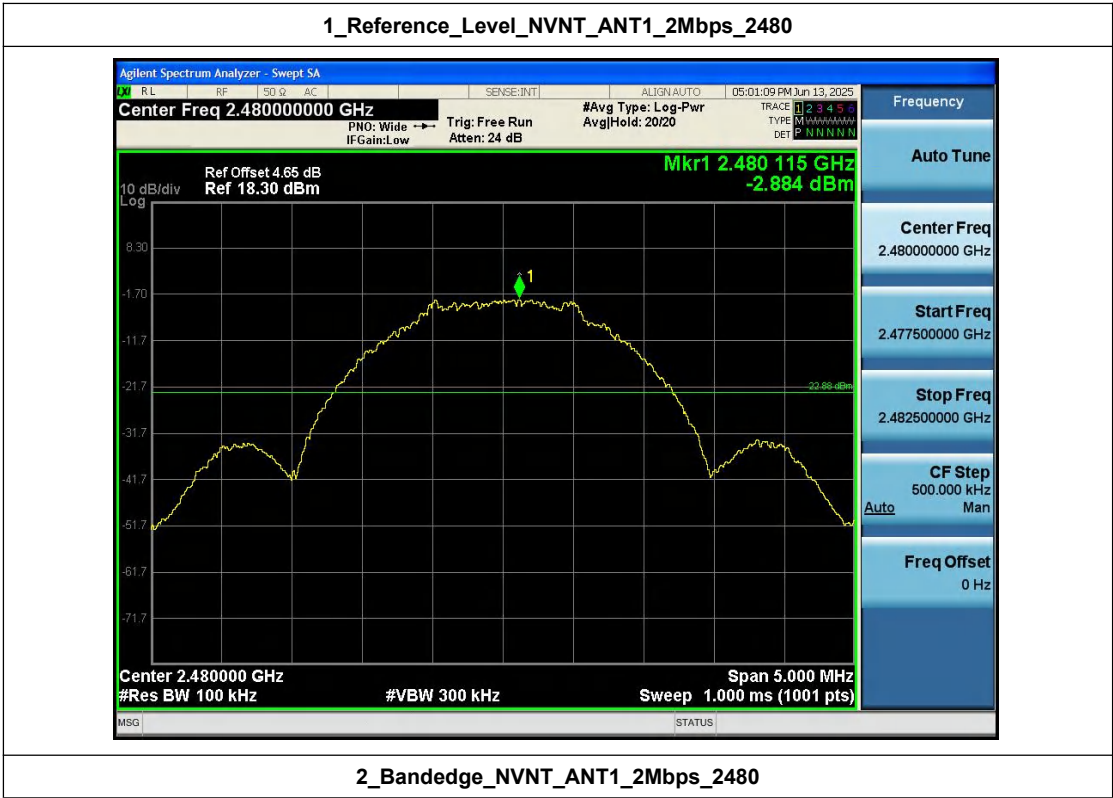
1_Reference_Level_NVNT_ANT1_2Mbps_2402



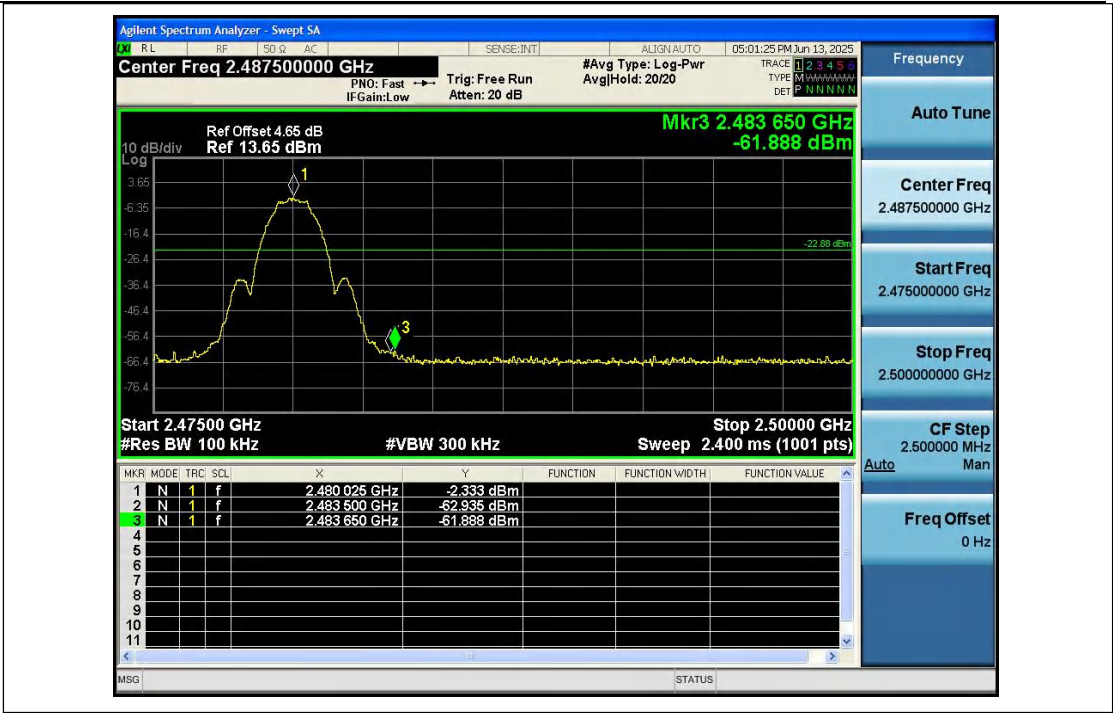
2_Bandedge_NVNT_ANT1_2Mbps_2402



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Bandedge_NVNT_ANT1_2Mbps_2480



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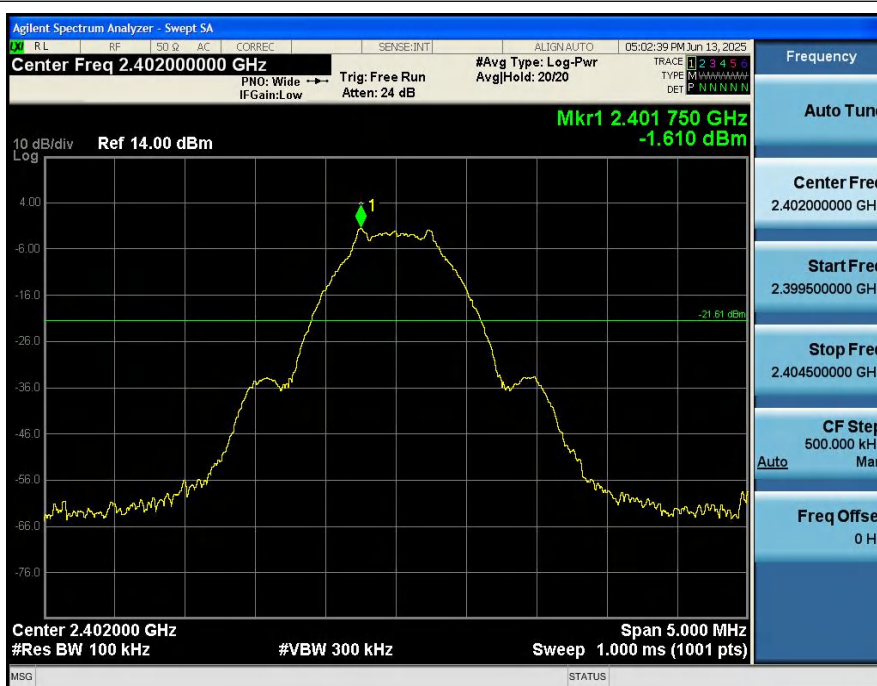
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Appendix G: Spurious Emission

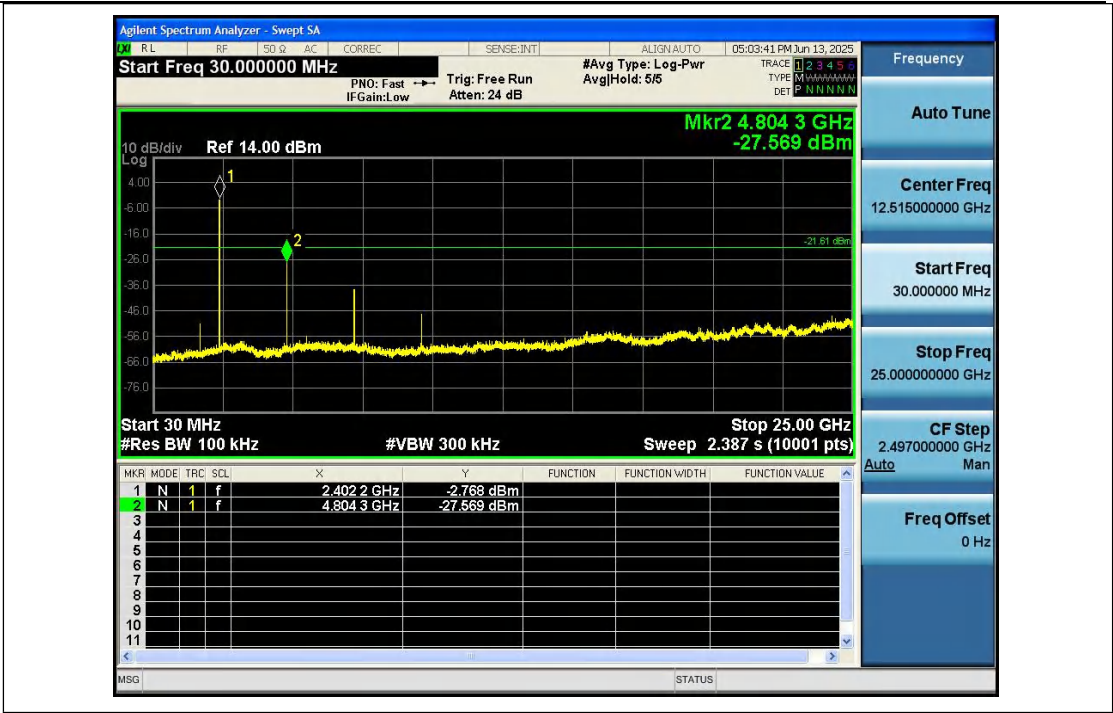
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-1.610	-27.569	-21.610	Pass
NVNT	ANT1	1Mbps	2440.00	-2.454	-27.597	-22.454	Pass
NVNT	ANT1	1Mbps	2480.00	-1.376	-26.244	-21.376	Pass
NVNT	ANT1	2Mbps	2402.00	-2.290	-29.871	-22.290	Pass
NVNT	ANT1	2Mbps	2440.00	-3.277	-28.866	-23.277	Pass
NVNT	ANT1	2Mbps	2480.00	-3.358	-28.569	-23.358	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.

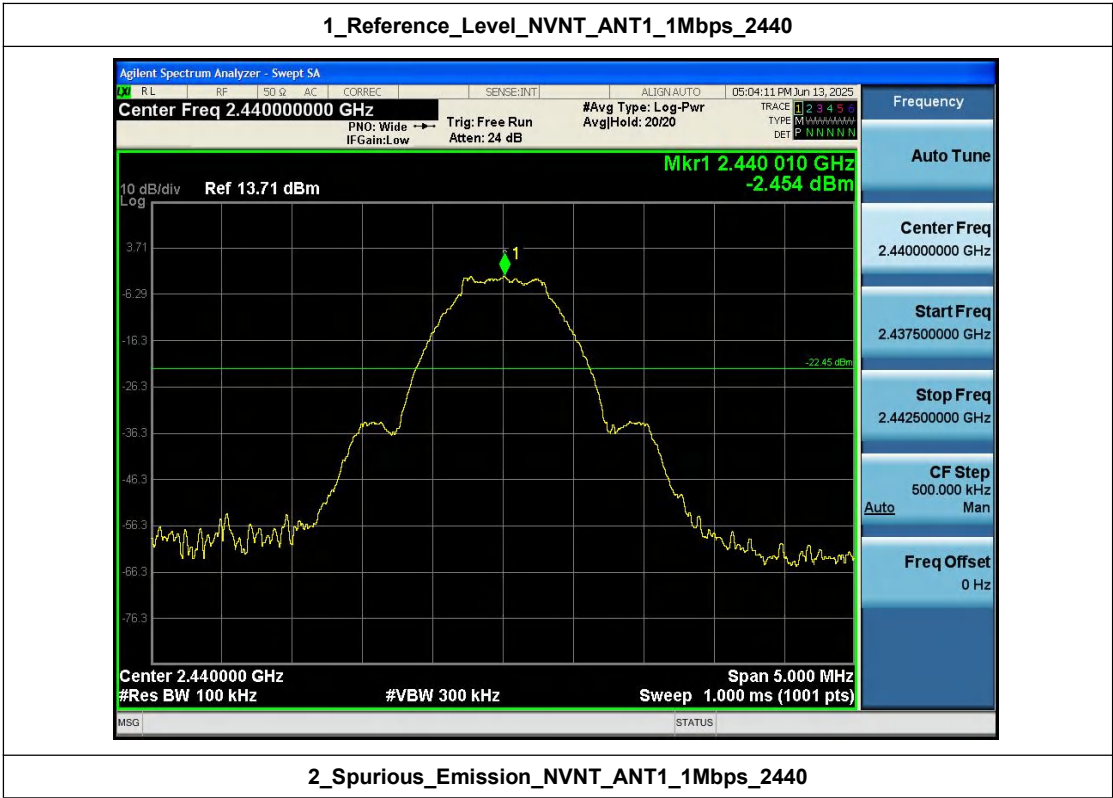
1_Reference_Level_NVNT_ANT1_1Mbps_2402



2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2440

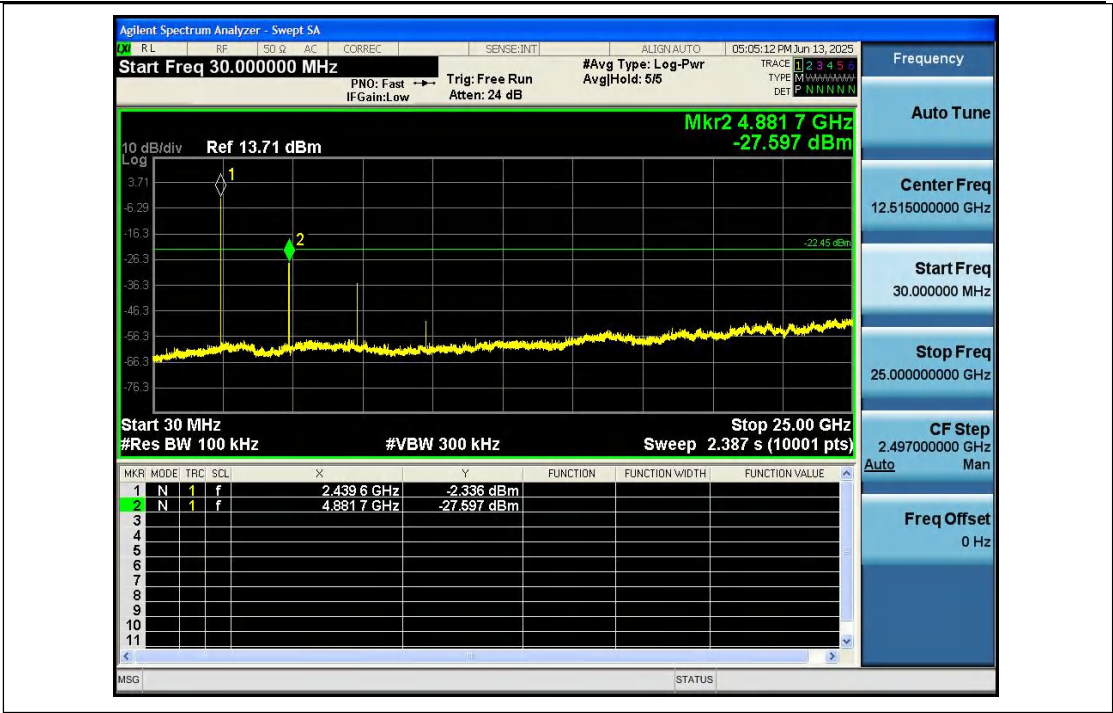


2_Spurious_Emission_NVNT_ANT1_1Mbps_2440

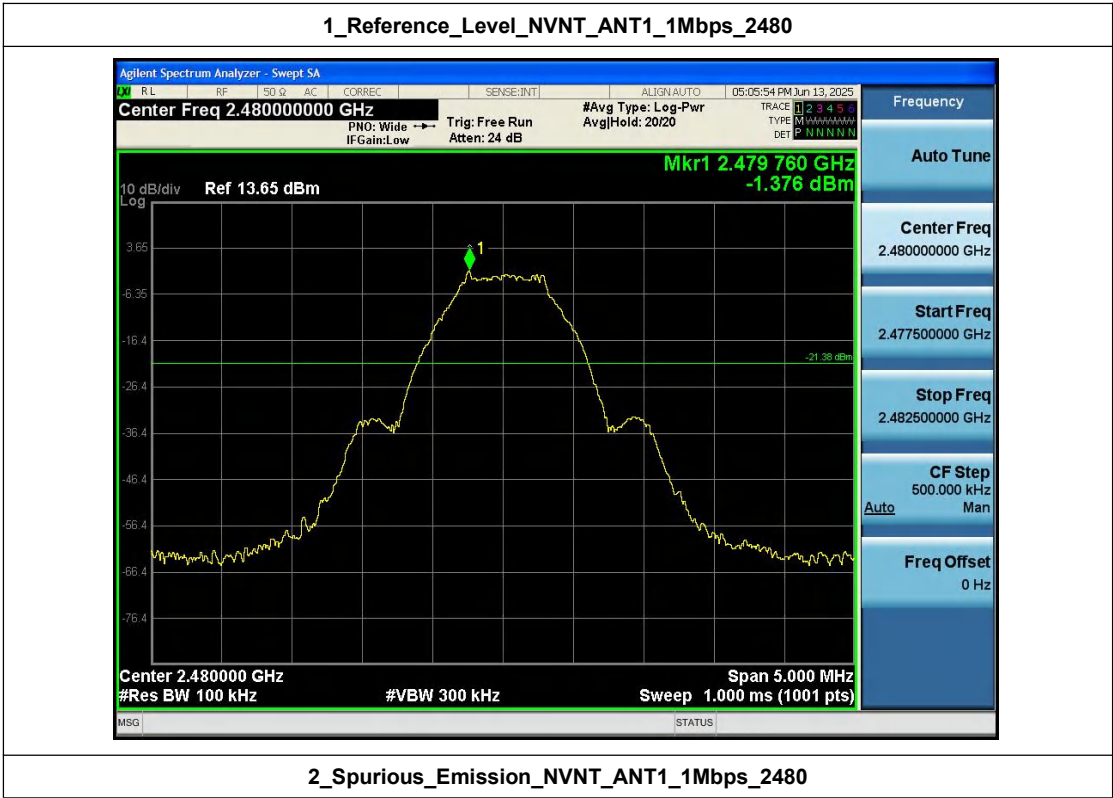
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1_Reference_Level_NVNT_ANT1_1Mbps_2480

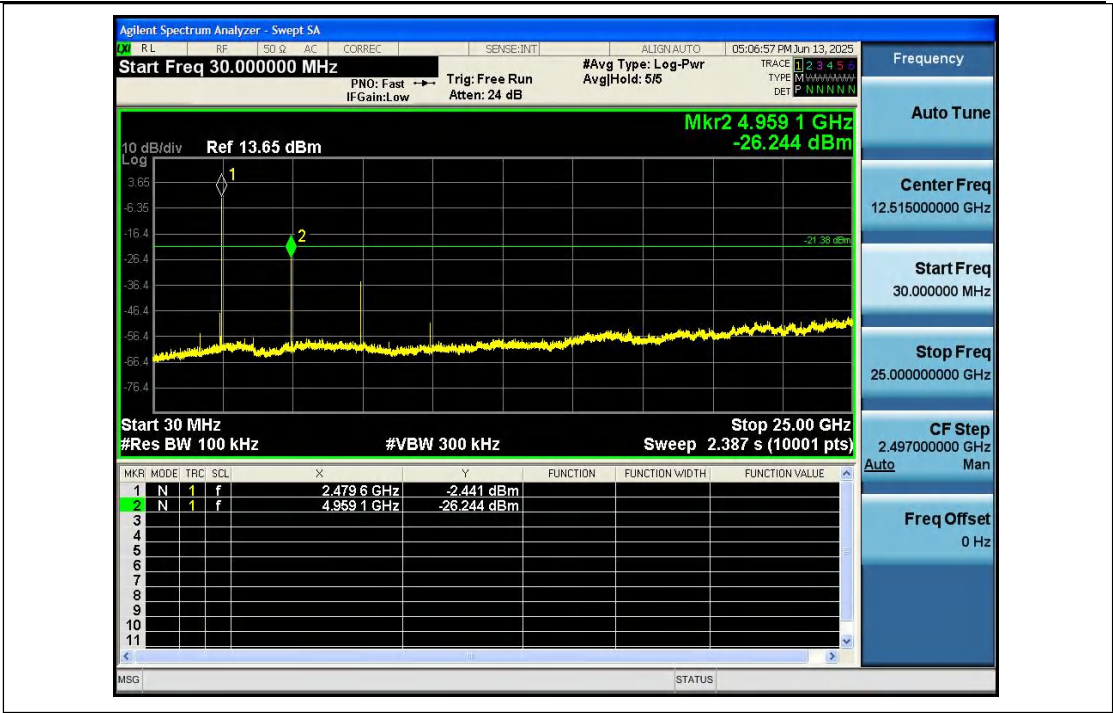


2_Spurious_Emission_NVNT_ANT1_1Mbps_2480

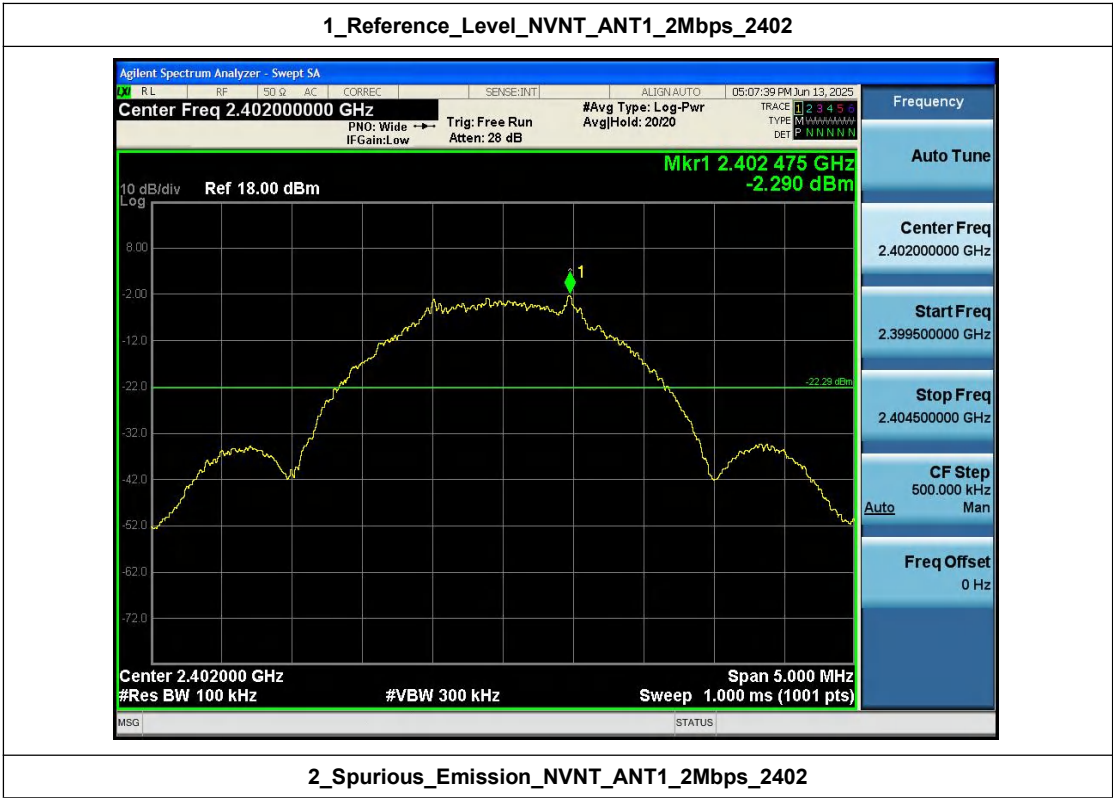
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1_Reference_Level_NVNT_ANT1_2Mbps_2402

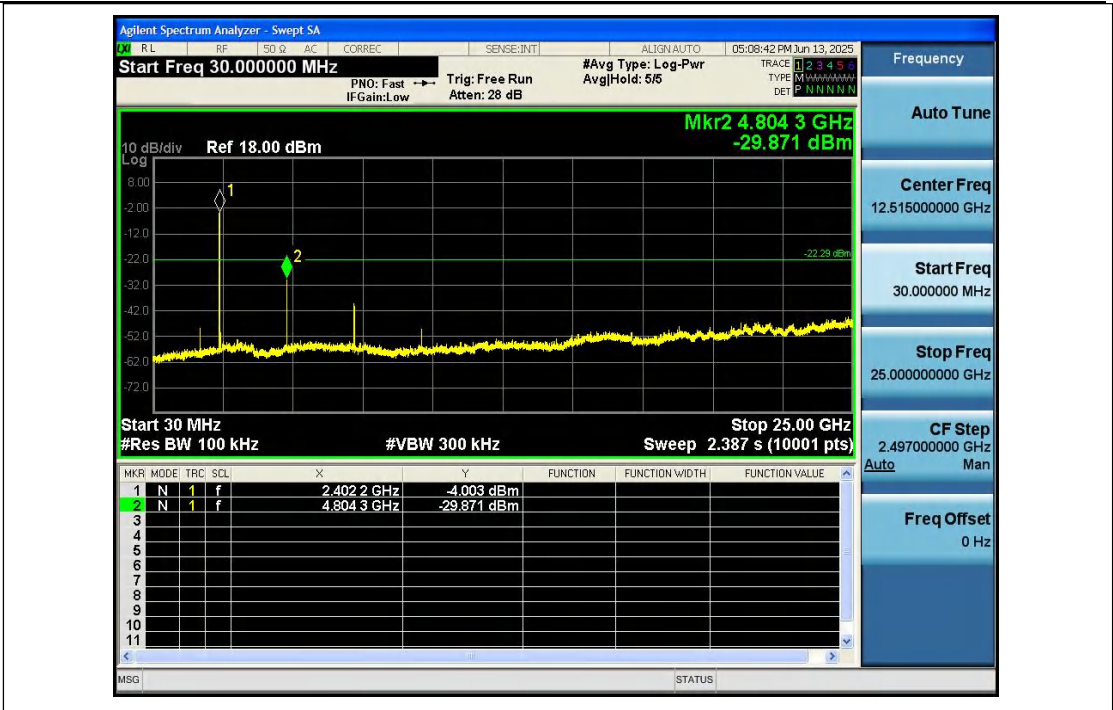


2_Spurious_Emission_NVNT_ANT1_2Mbps_2402

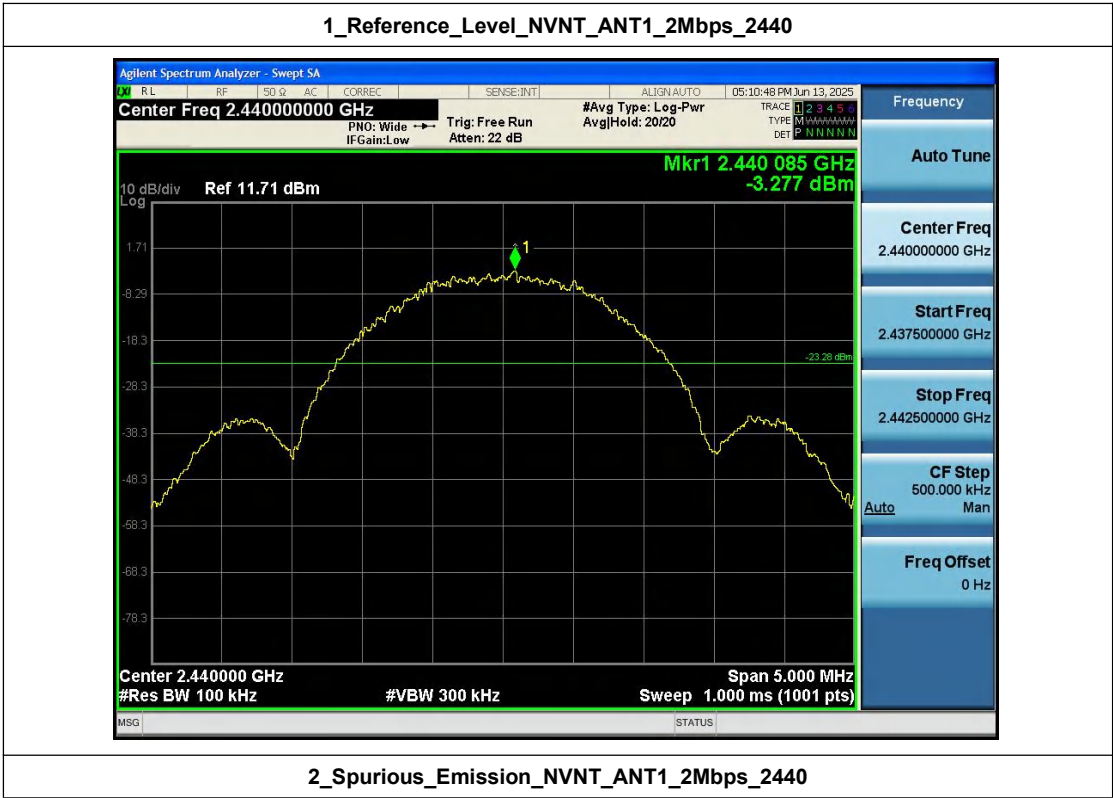
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1_Reference_Level_NVNT_ANT1_2Mbps_2440

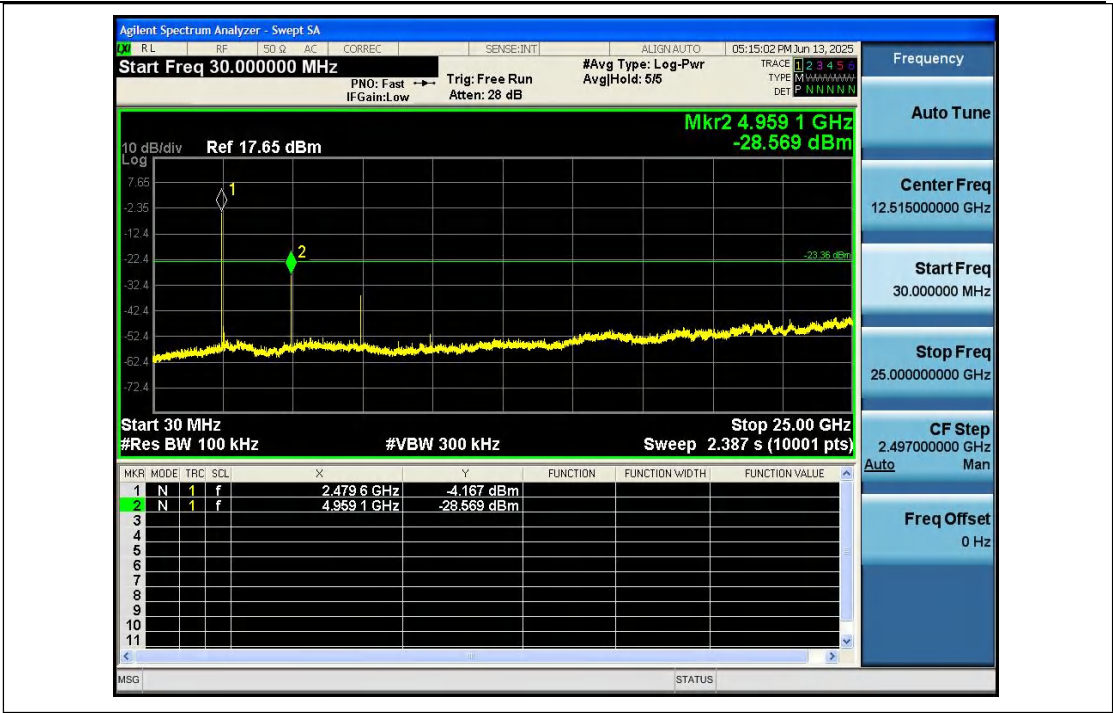


2_Spurious_Emission_NVNT_ANT1_2Mbps_2440

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