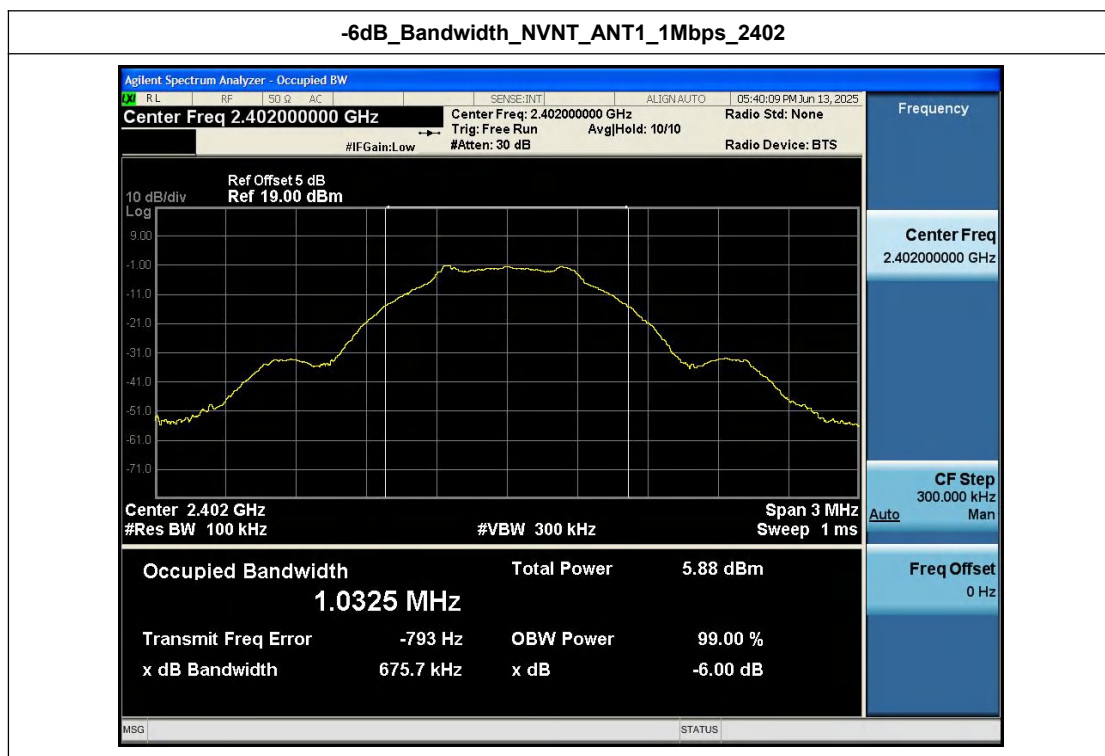


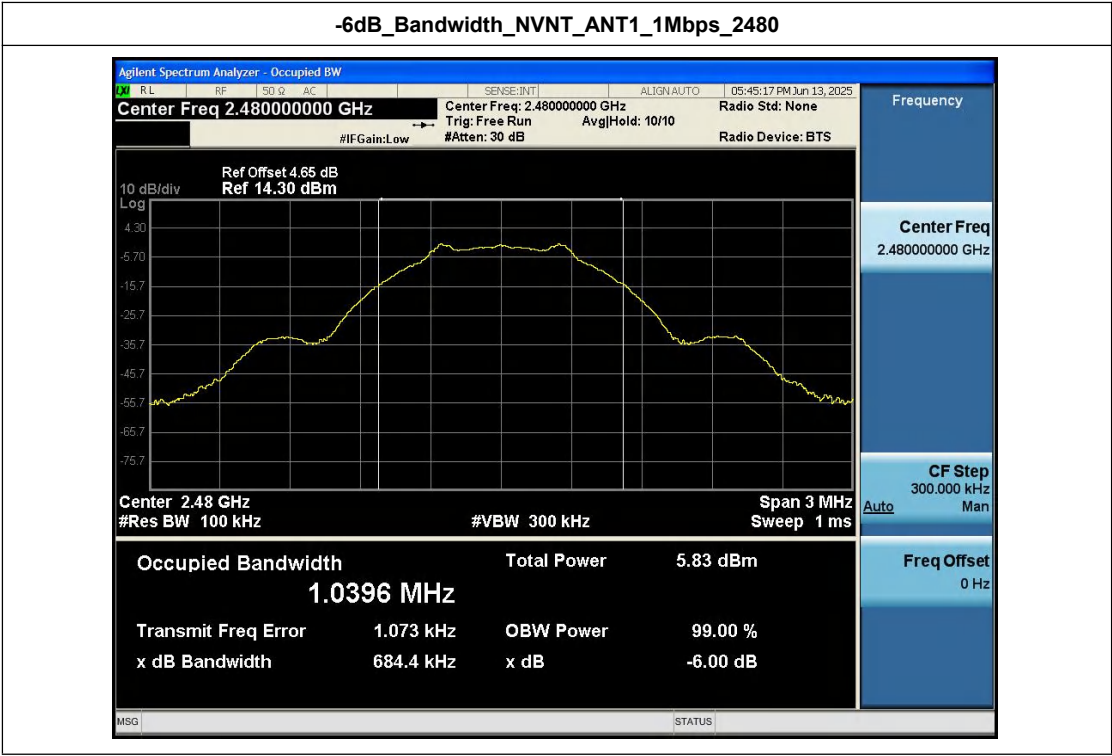
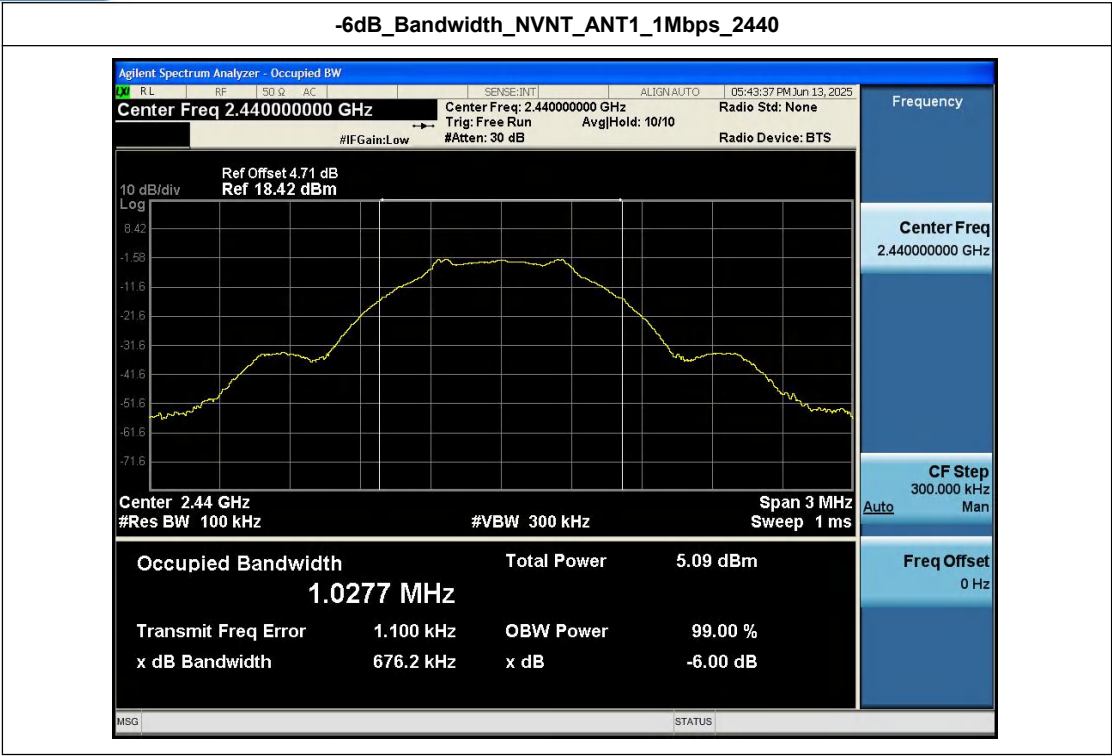
Appendix Test Data

Report No.:	1812C50280912502	Test Sample No.:	1-2-2
Start Test Date:	2025.6.10	Finish Test Date:	2025.6.13
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.3°C	Relative Humidity:	47%
Pressure:	101kPa		

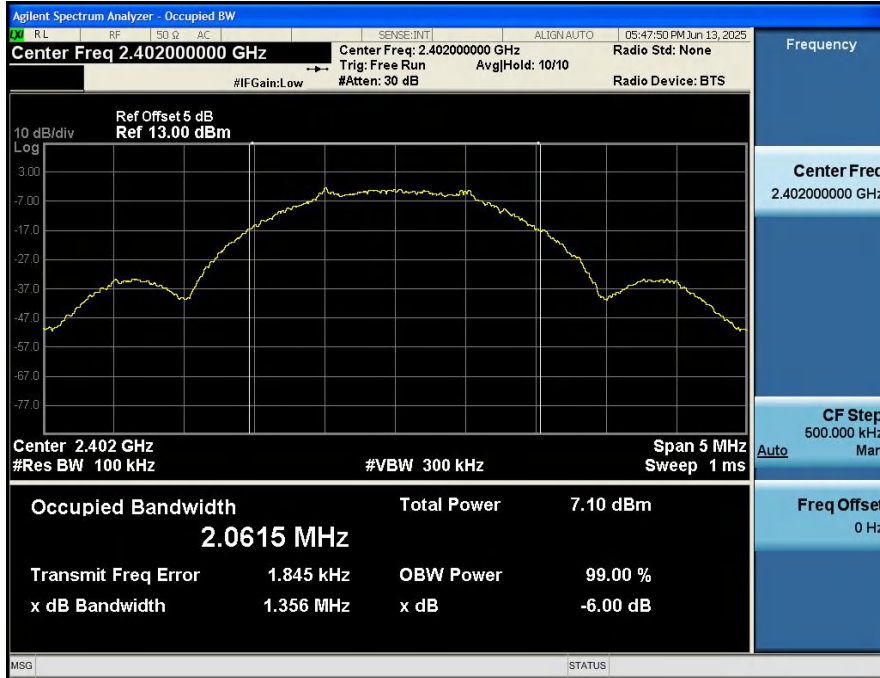
Appendix A: -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	675.72	500	Pass
NVNT	ANT1	1Mbps	2440.00	676.17	500	Pass
NVNT	ANT1	1Mbps	2480.00	684.41	500	Pass
NVNT	ANT1	2Mbps	2402.00	1355.58	500	Pass
NVNT	ANT1	2Mbps	2440.00	1382.30	500	Pass
NVNT	ANT1	2Mbps	2480.00	1341.87	500	Pass





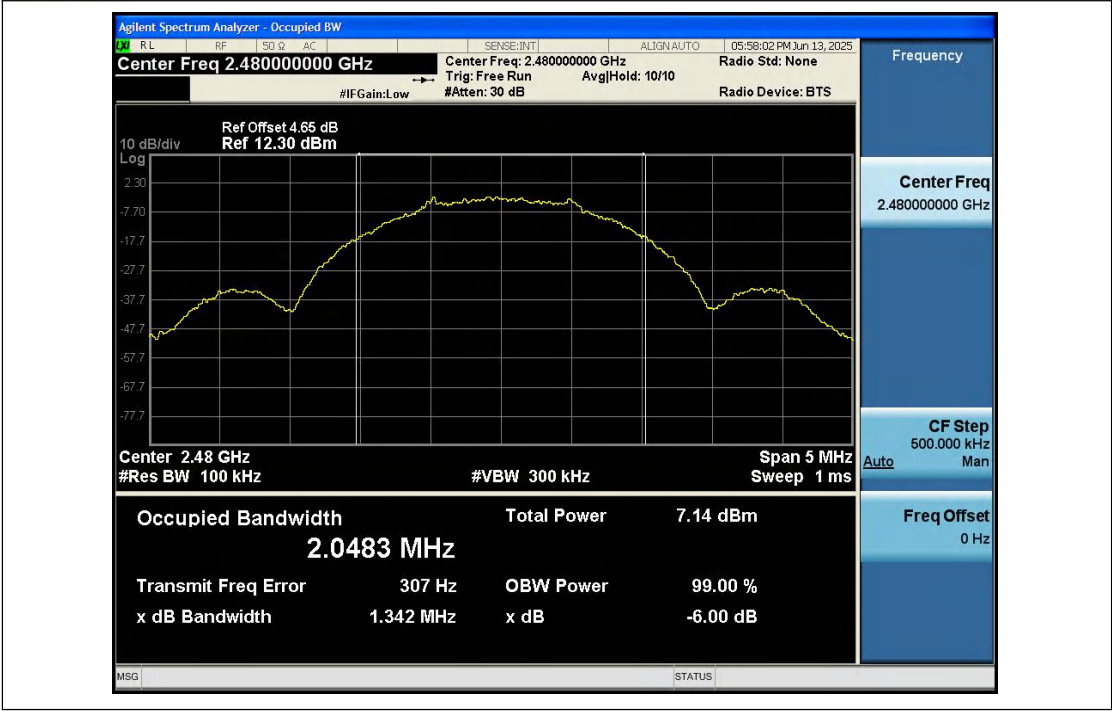
-6dB_Bandwidth_NVNT_ANT1_2Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2440



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2480



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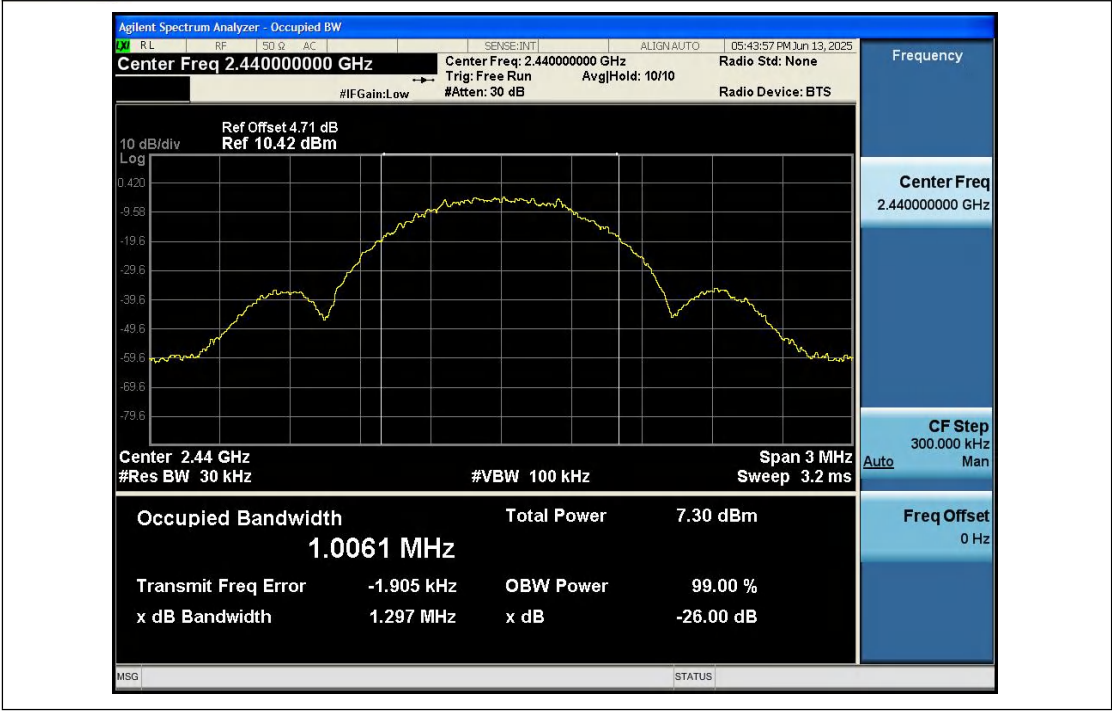
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.015
NVNT	ANT1	1Mbps	2440.00	1.006
NVNT	ANT1	1Mbps	2480.00	1.024
NVNT	ANT1	2Mbps	2402.00	2.057
NVNT	ANT1	2Mbps	2440.00	2.044
NVNT	ANT1	2Mbps	2480.00	2.062

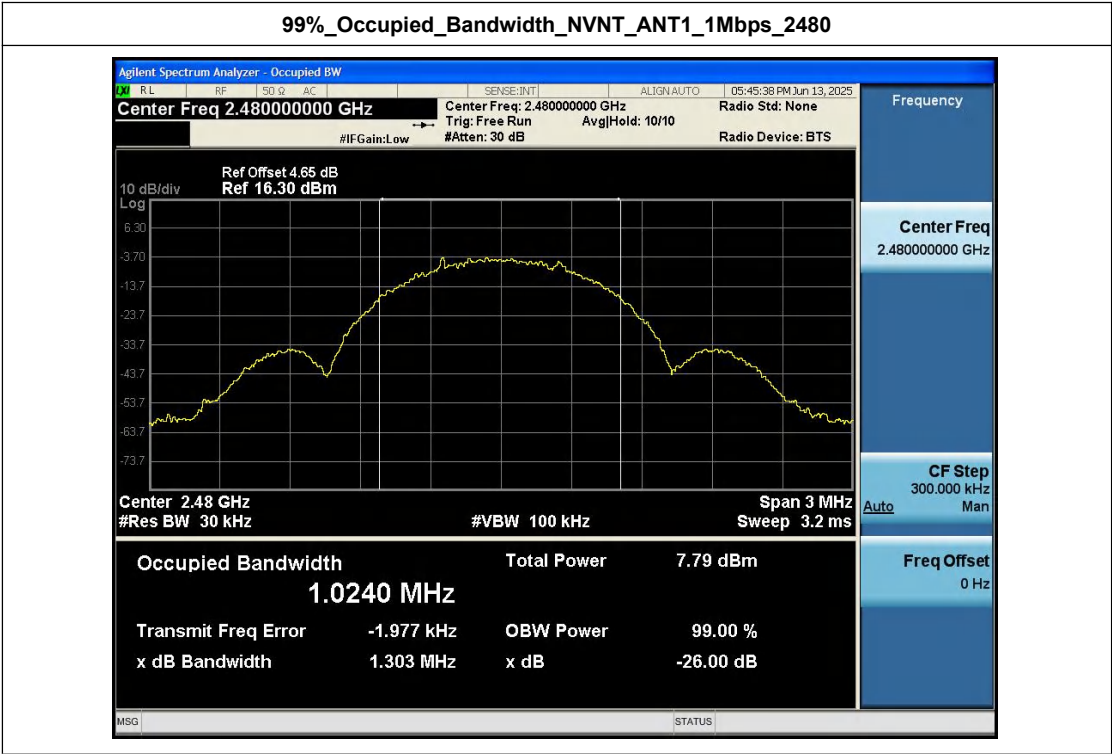
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



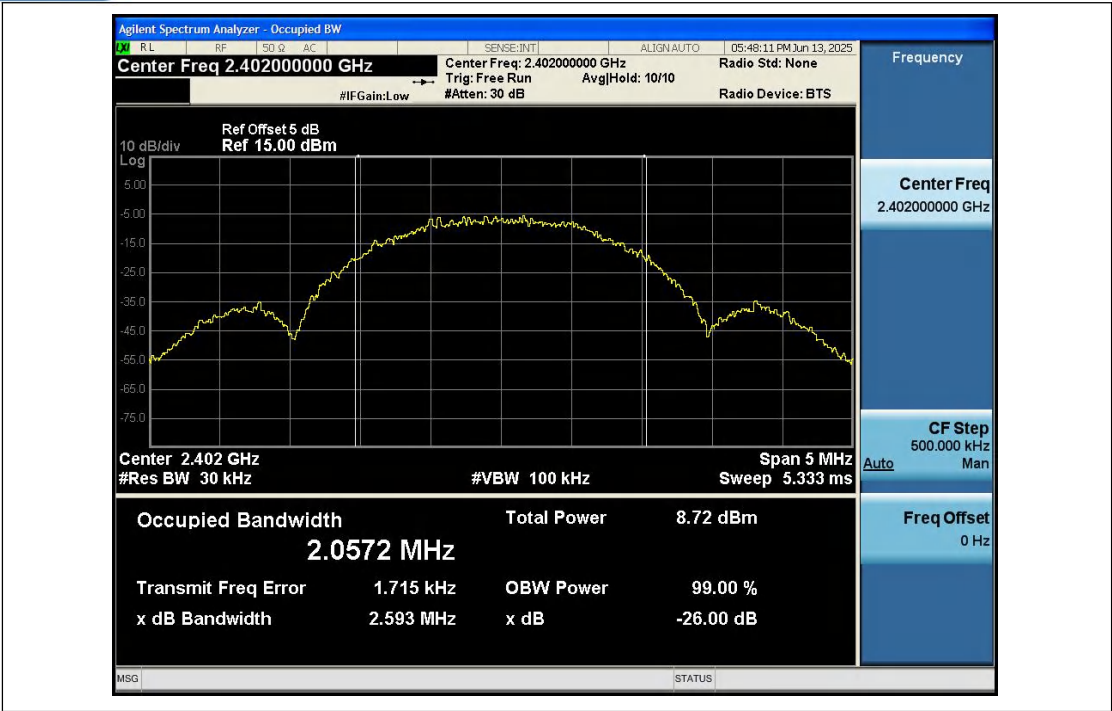
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



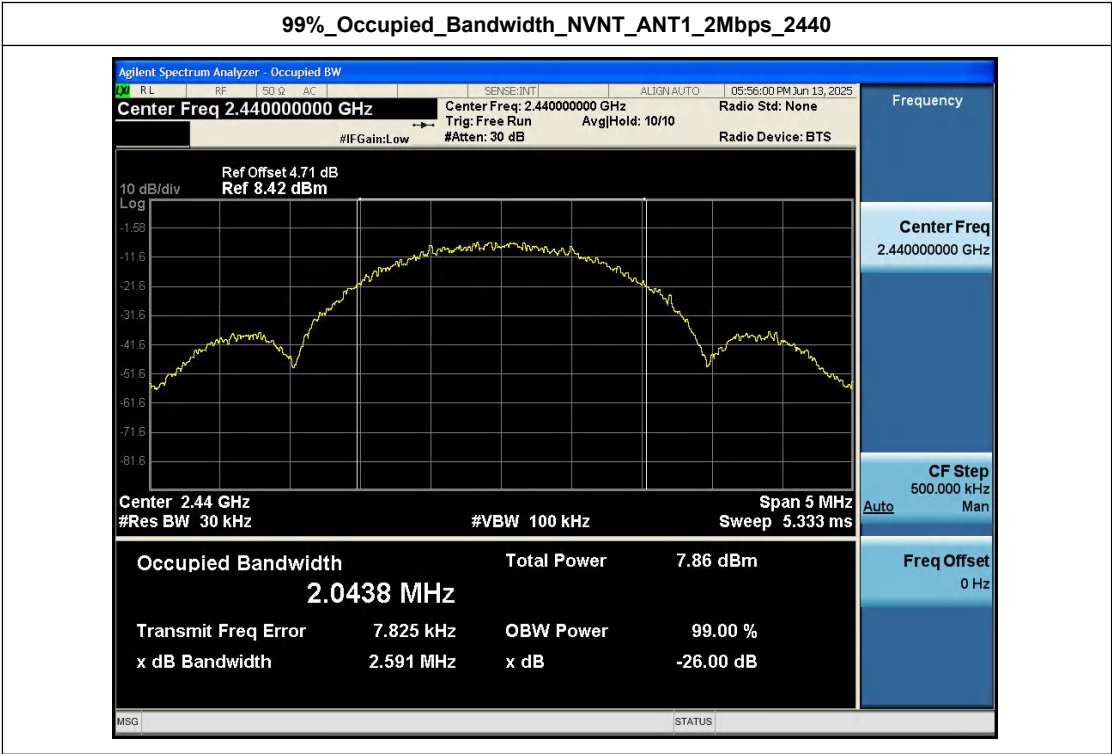
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



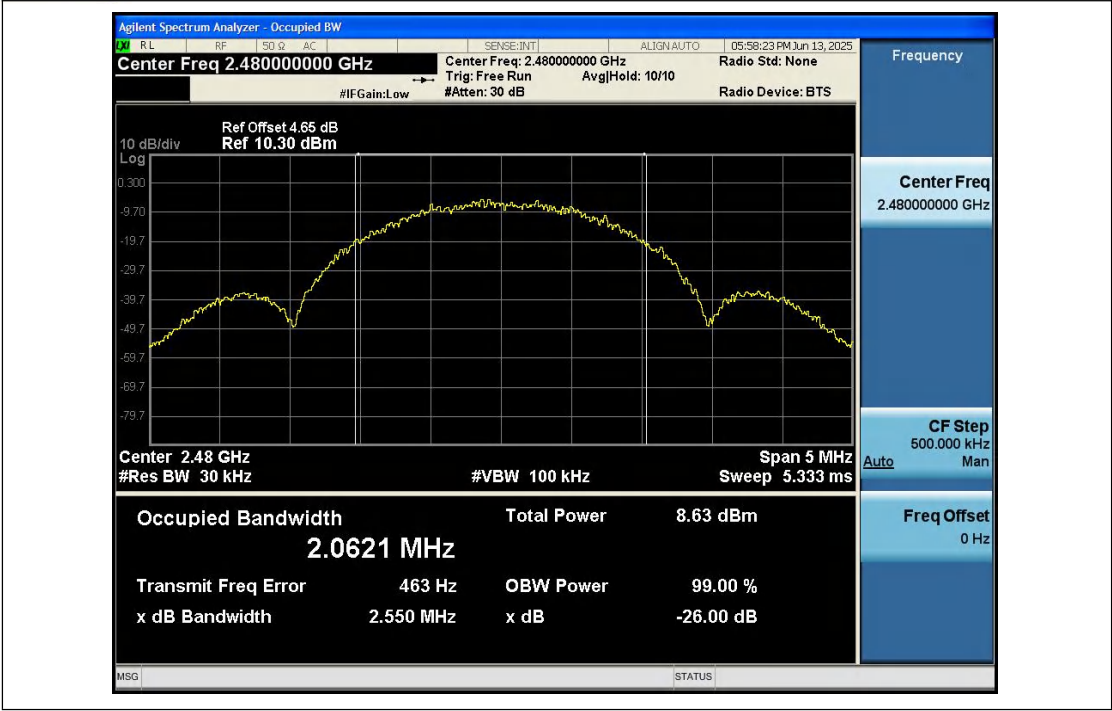
99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2440



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2480



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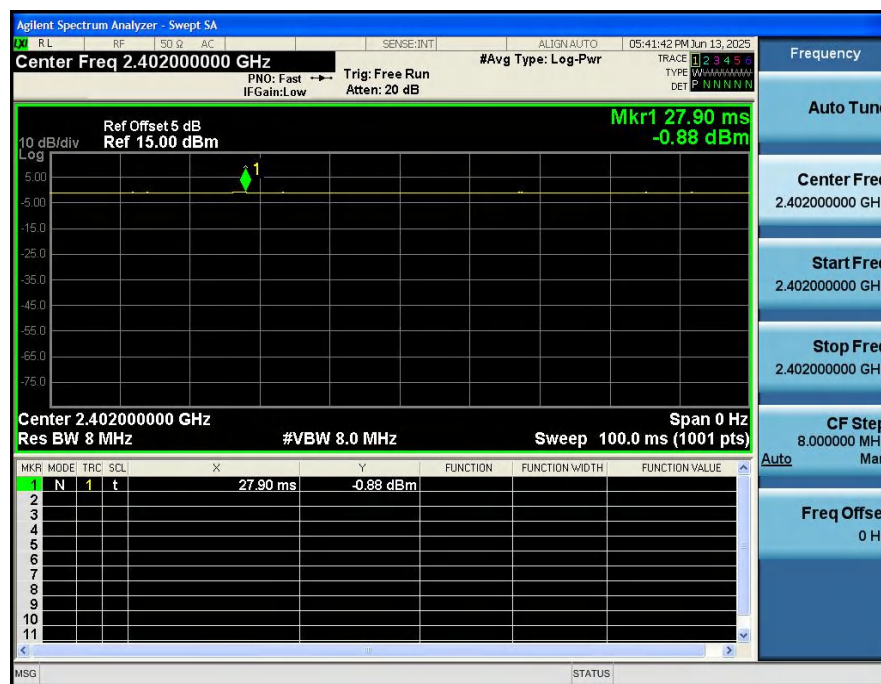
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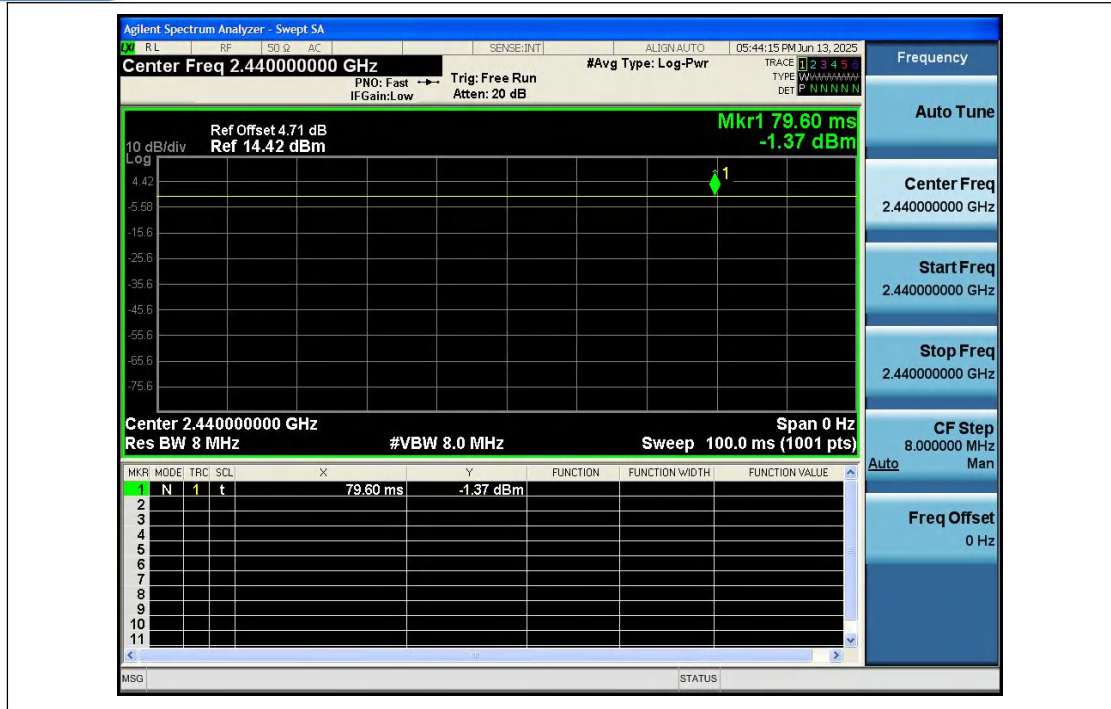
Appendix C: Duty Cycle

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

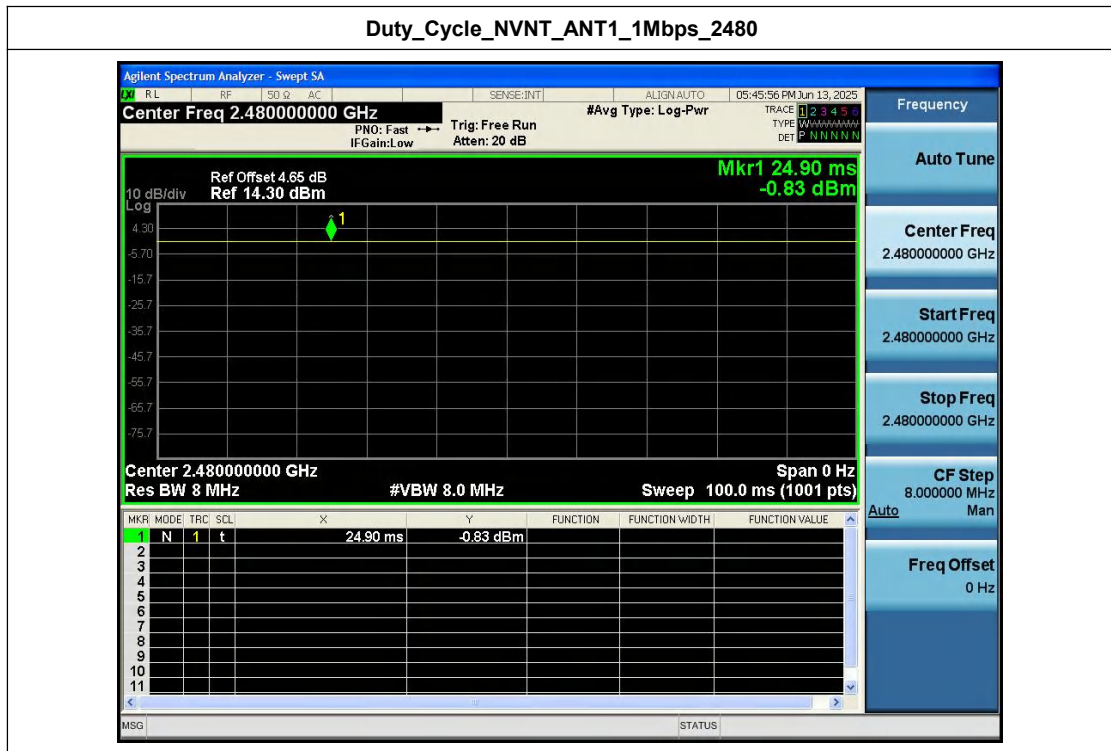
Duty_Cycle_NVNT_ANT1_1Mbps_2402



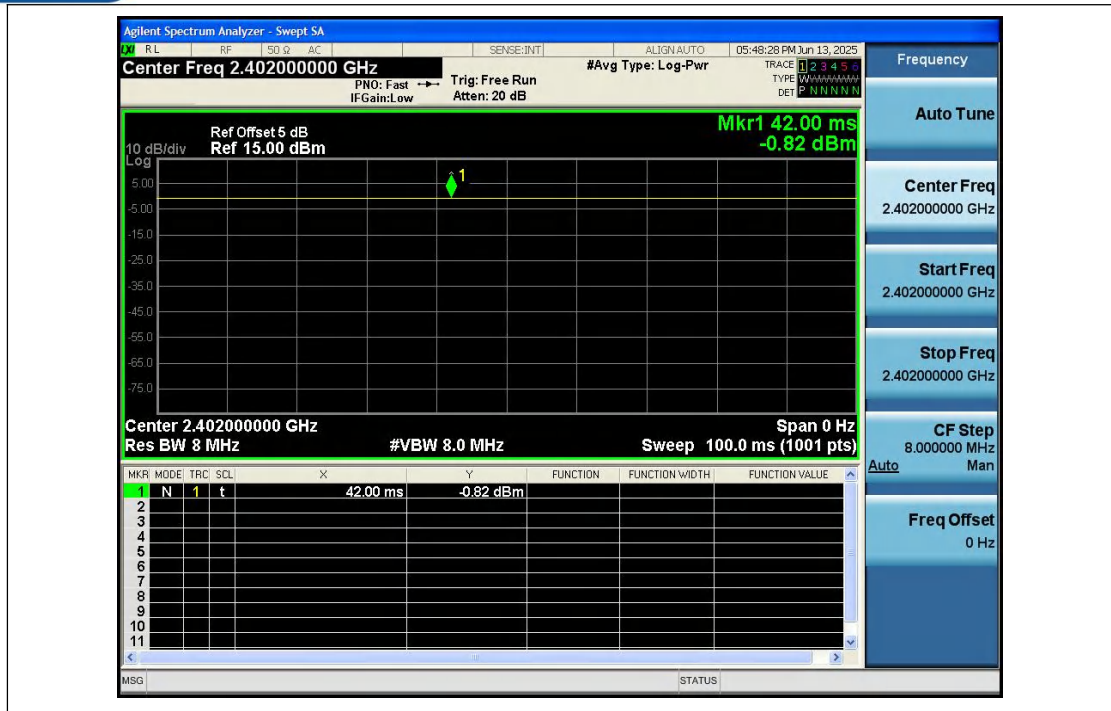
Duty_Cycle_NVNT_ANT1_1Mbps_2440



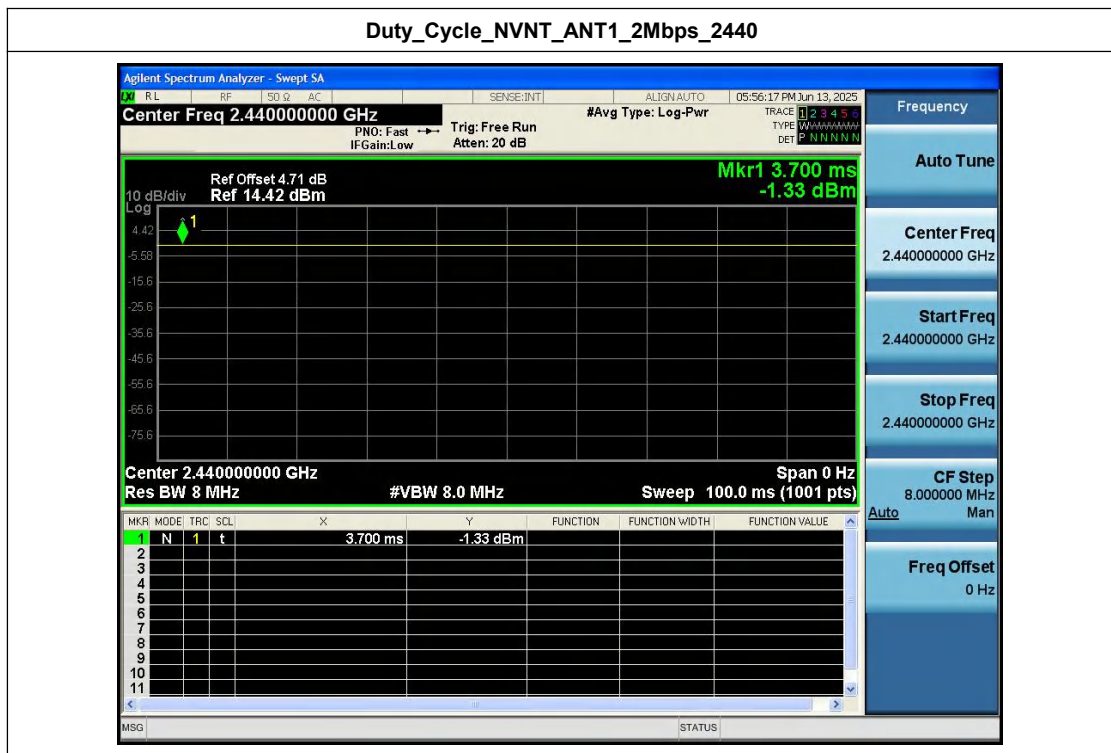
Duty_Cycle_NVNT_ANT1_1Mbps_2480



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	-0.95	0.80	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-1.42	0.72	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.88	0.82	1000	Pass
NVNT	ANT1	2Mbps	2402.00	-0.96	0.80	1000	Pass
NVNT	ANT1	2Mbps	2440.00	-1.41	0.72	1000	Pass
NVNT	ANT1	2Mbps	2480.00	-0.87	0.82	1000	Pass

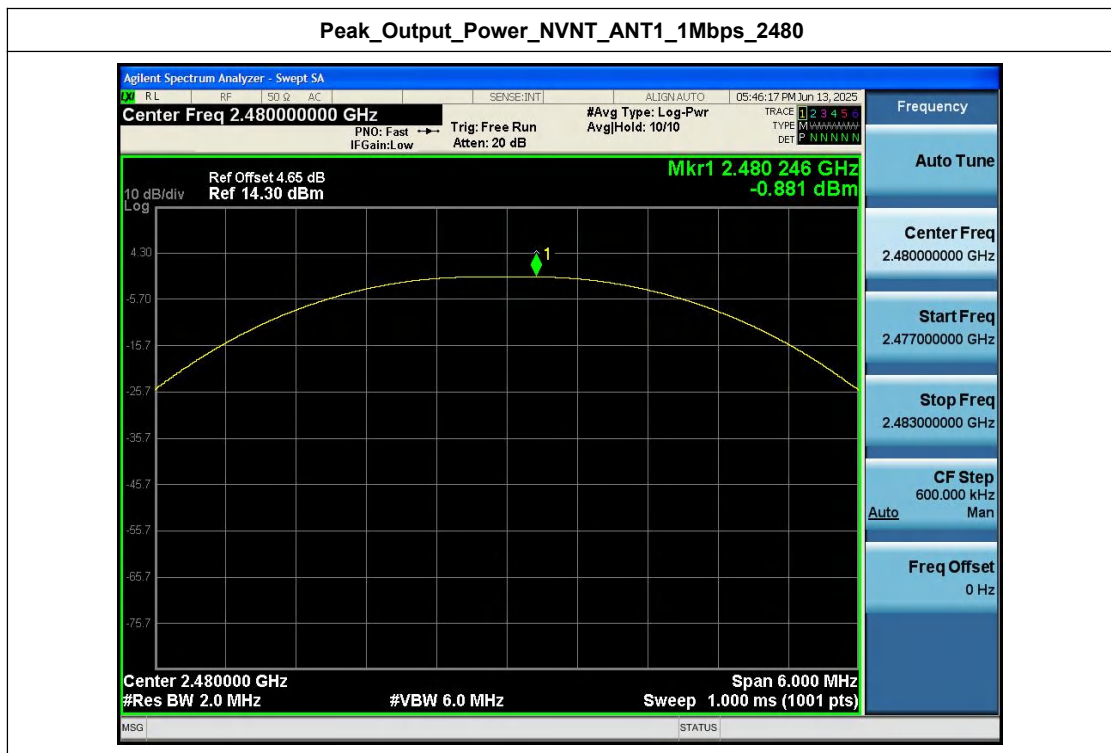
Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



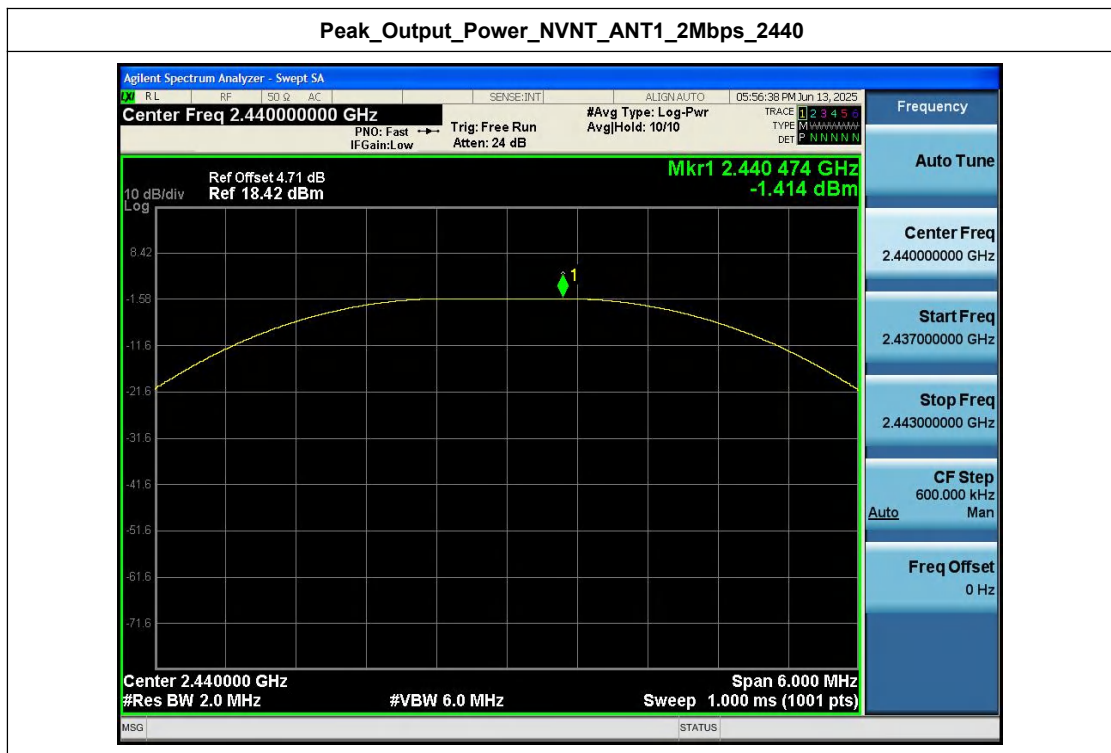
Peak_Output_Power_NVNT_ANT1_1Mbps_2480



Peak_Output_Power_NVNT_ANT1_2Mbps_2402

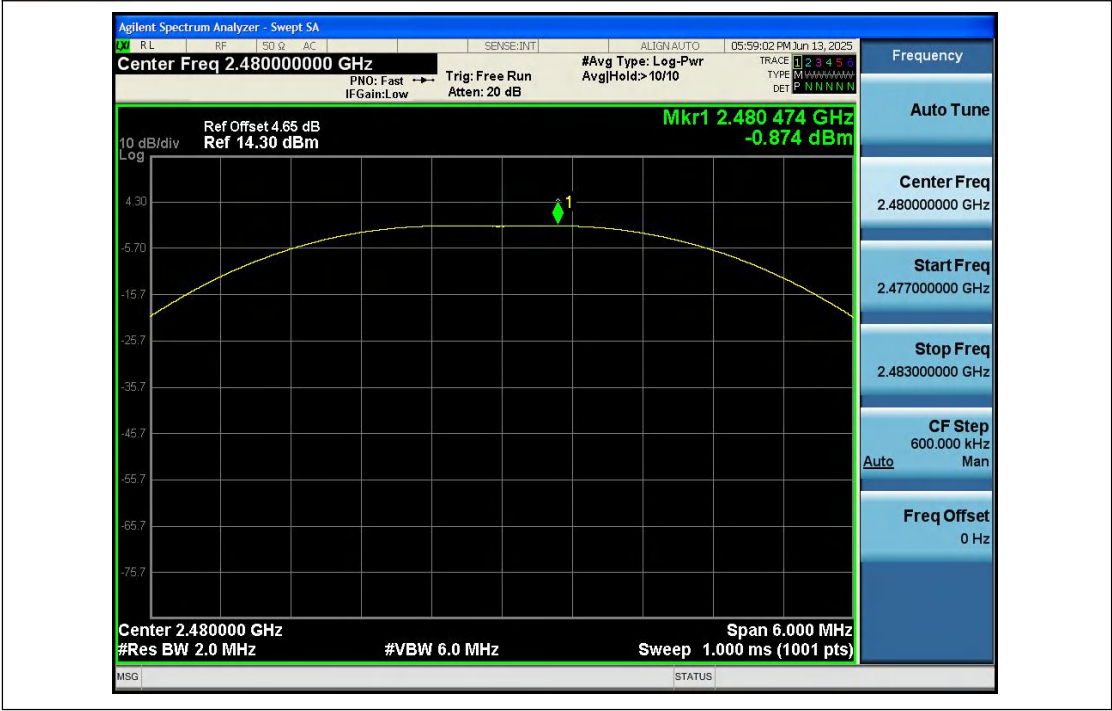


Peak_Output_Power_NVNT_ANT1_2Mbps_2440



Peak_Output_Power_NVNT_ANT1_2Mbps_2480





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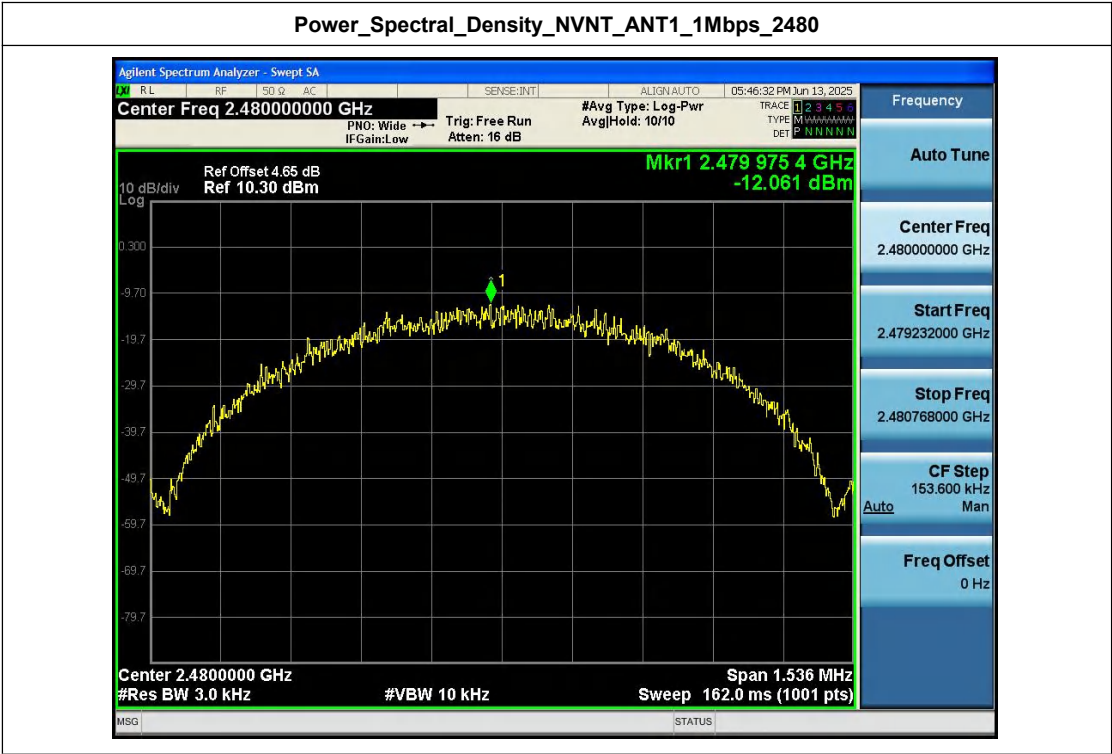
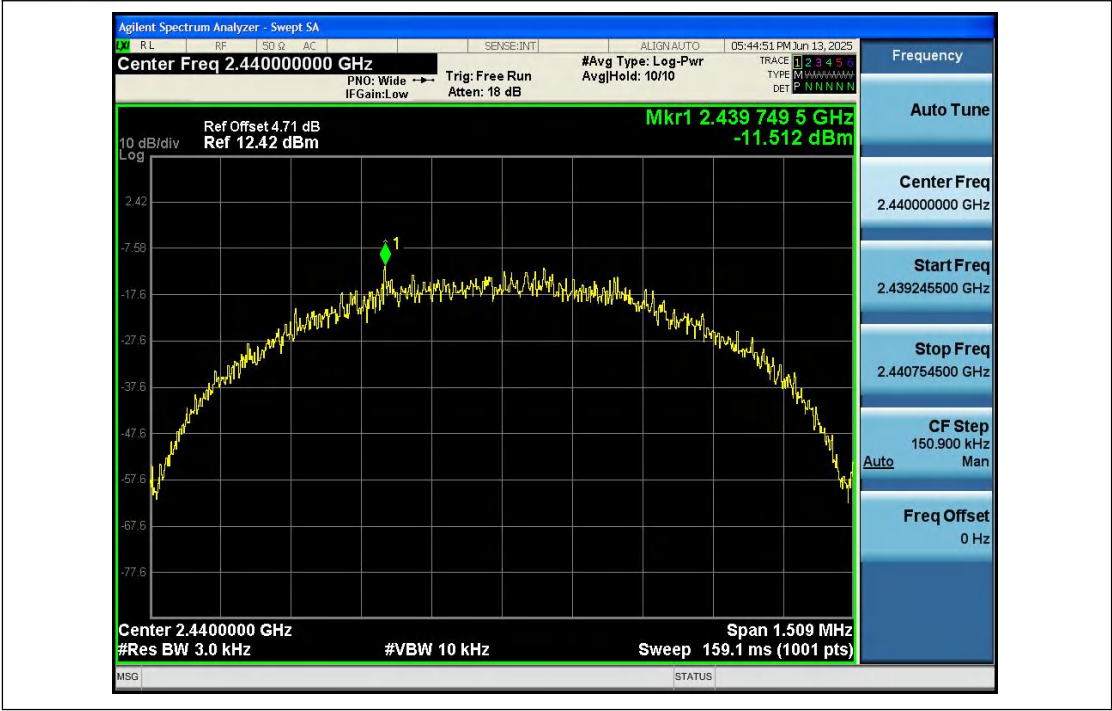
Appendix E: Power Spectral Density

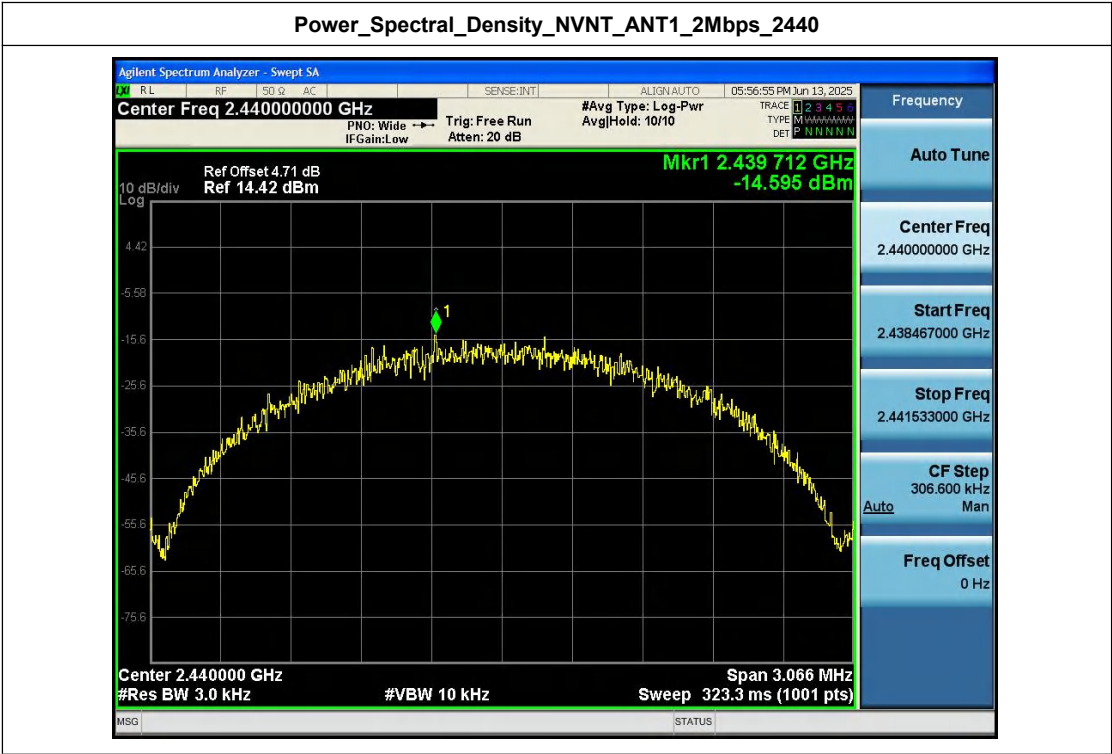
Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-10.31	8	Pass
NVNT	ANT1	1Mbps	2440.00	-11.51	8	Pass
NVNT	ANT1	1Mbps	2480.00	-12.06	8	Pass
NVNT	ANT1	2Mbps	2402.00	-14.60	8	Pass
NVNT	ANT1	2Mbps	2440.00	-14.60	8	Pass
NVNT	ANT1	2Mbps	2480.00	-14.54	8	Pass

Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440





Power_Spectral_Density_NVNT_ANT1_2Mbps_2480



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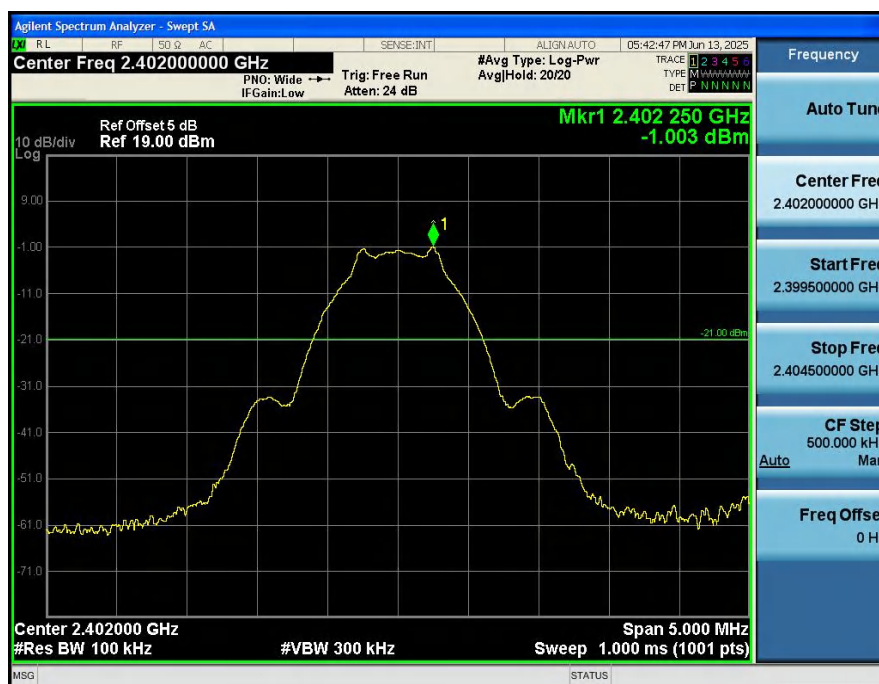
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Appendix F: Bandedge

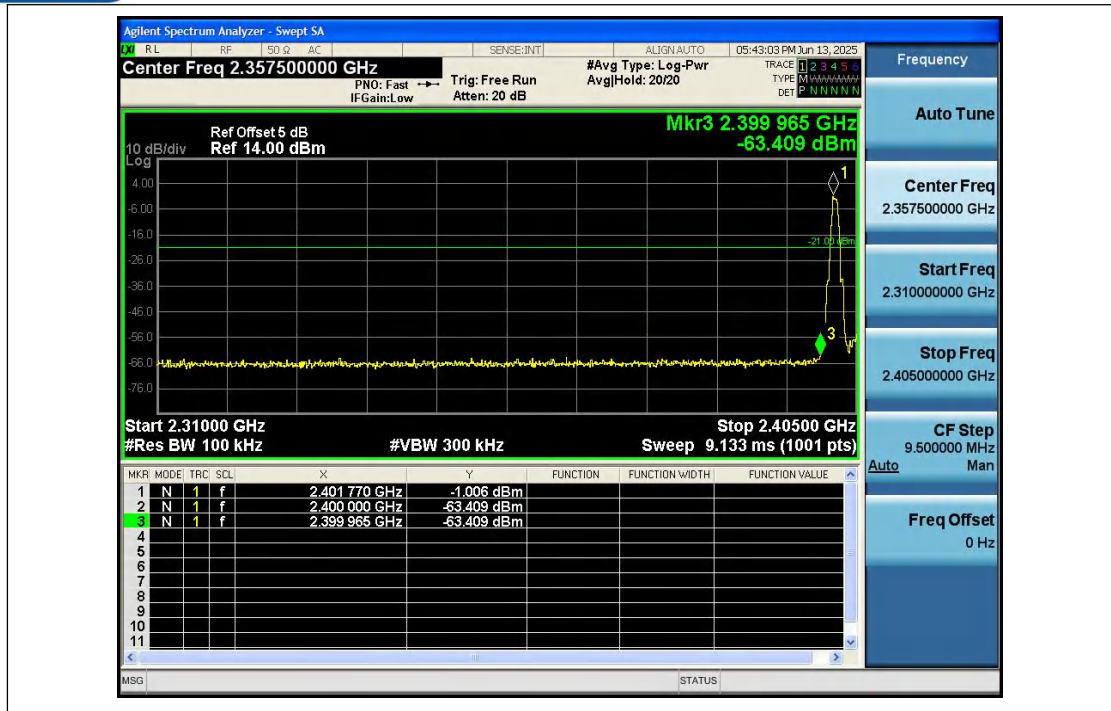
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	-1.003	-63.409	-21.003	Pass
NVNT	ANT1	1Mbps	2480.00	2483.675	-1.008	-66.575	-21.008	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-3.061	-36.209	-23.061	Pass
NVNT	ANT1	2Mbps	2480.00	2483.525	-1.904	-65.459	-21.904	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.

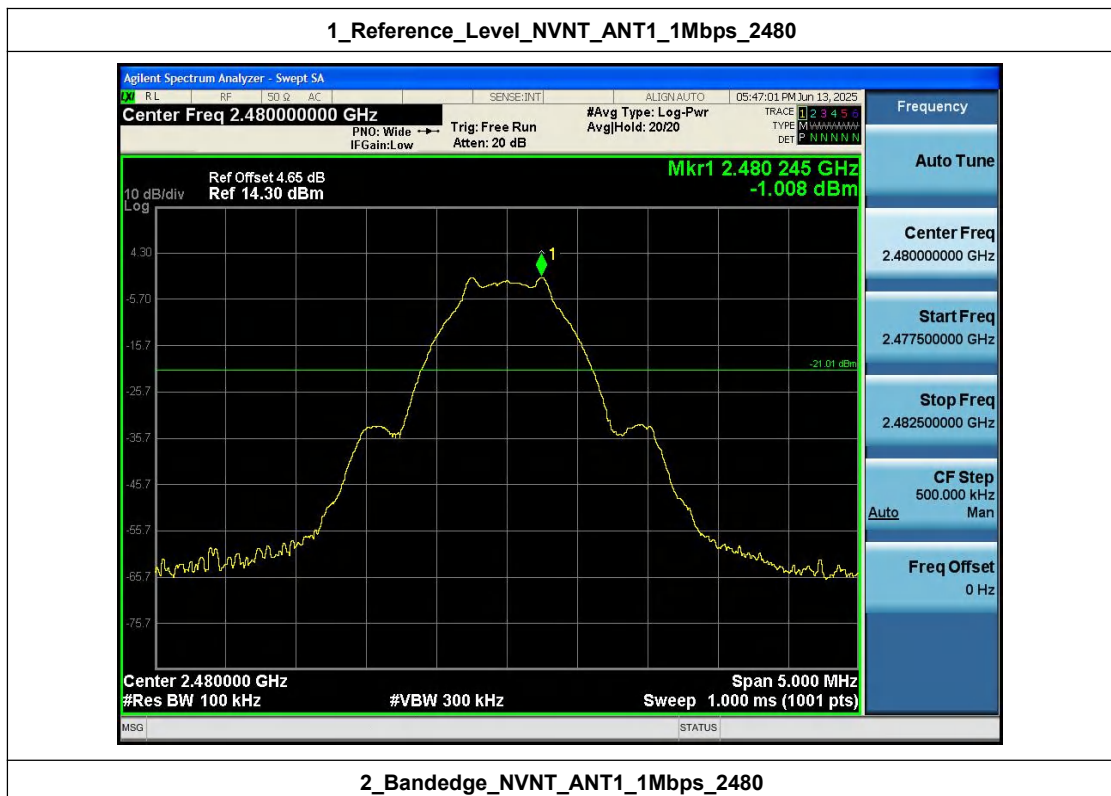
1_Reference_Level_NVNT_ANT1_1Mbps_2402



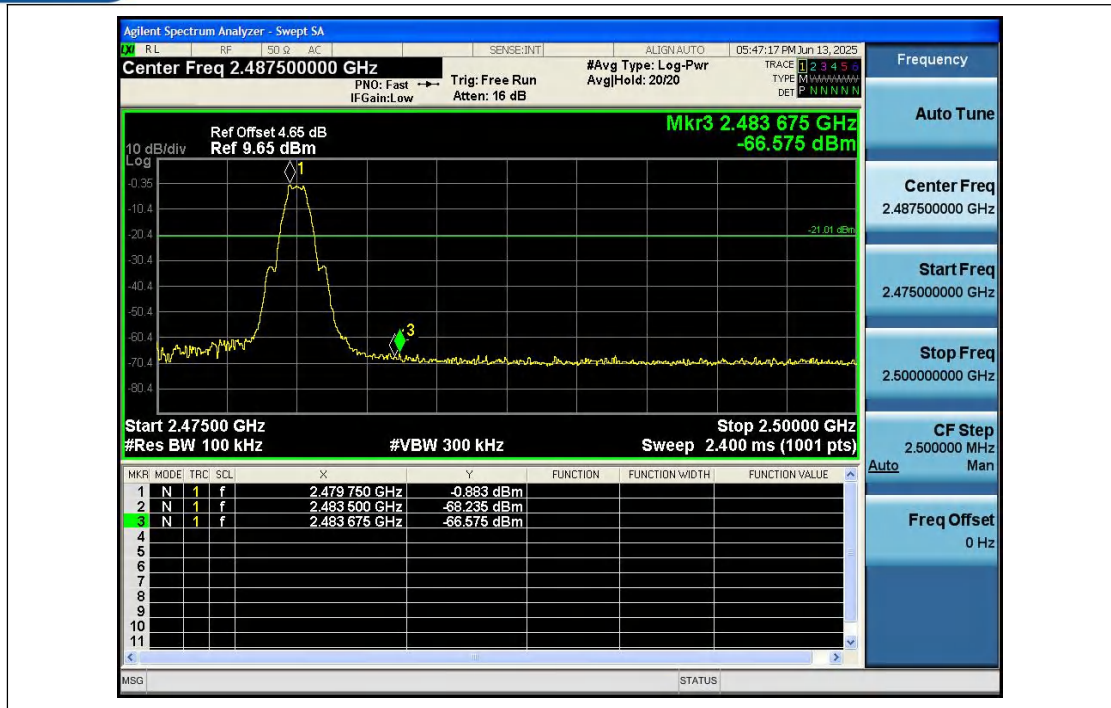
2_Bandedge_NVNT_ANT1_1Mbps_2402



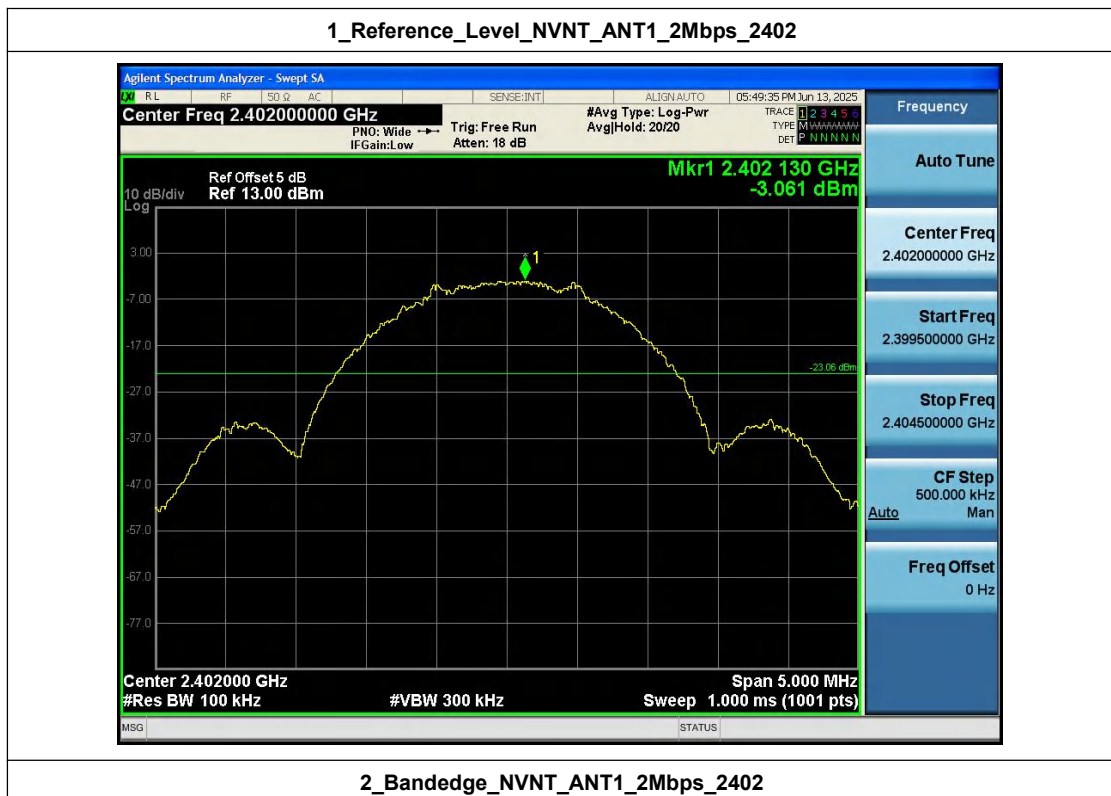
1_Reference_Level_NVNT_ANT1_1Mbps_2480



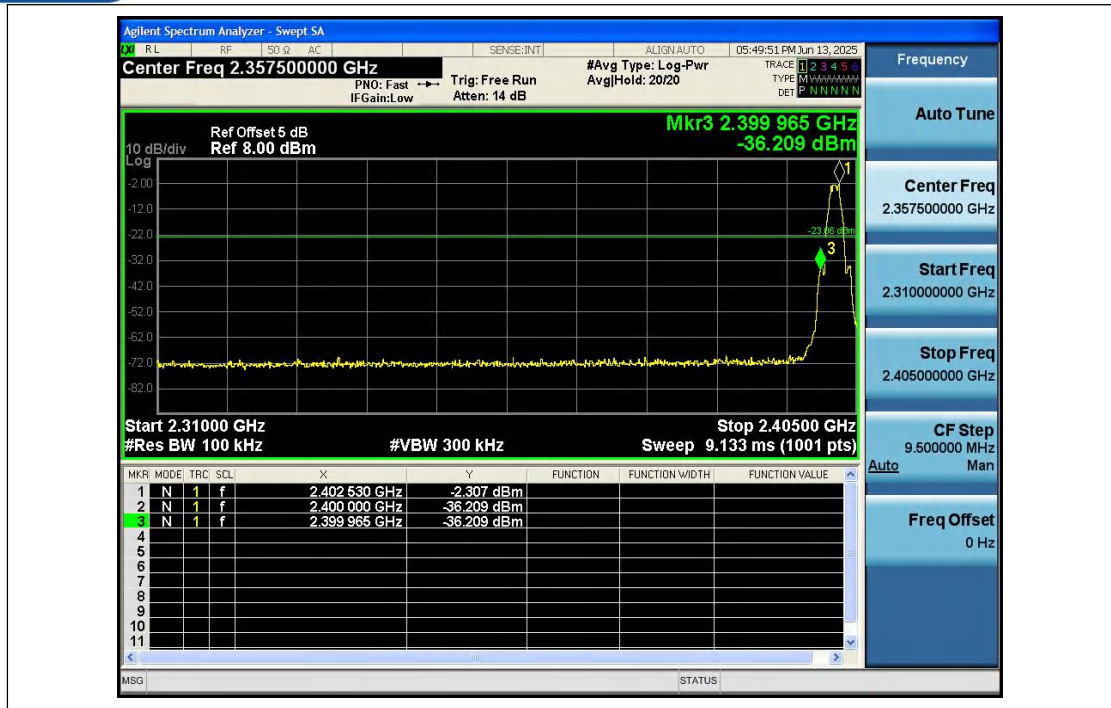
2_Bandedge_NVNT_ANT1_1Mbps_2480



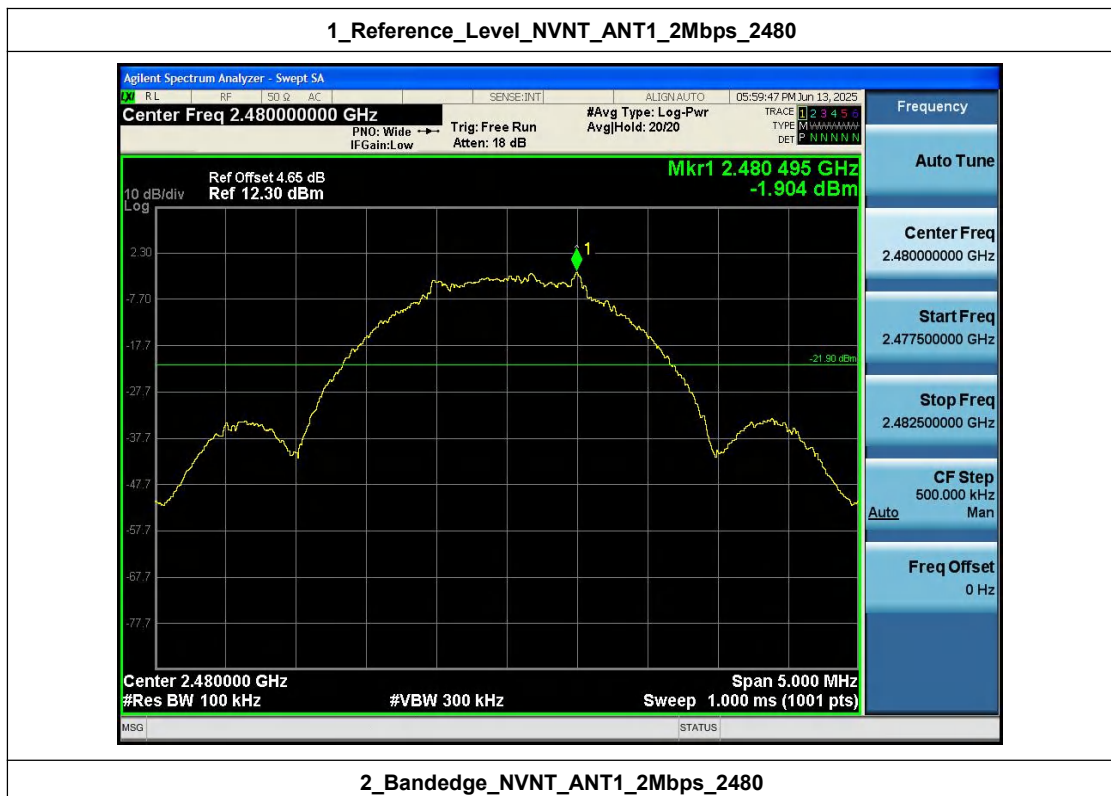
1_Reference_Level_NVNT_ANT1_2Mbps_2402



2_Bandedge_NVNT_ANT1_2Mbps_2402



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Bandedge_NVNT_ANT1_2Mbps_2480



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Appendix G: Spurious Emission

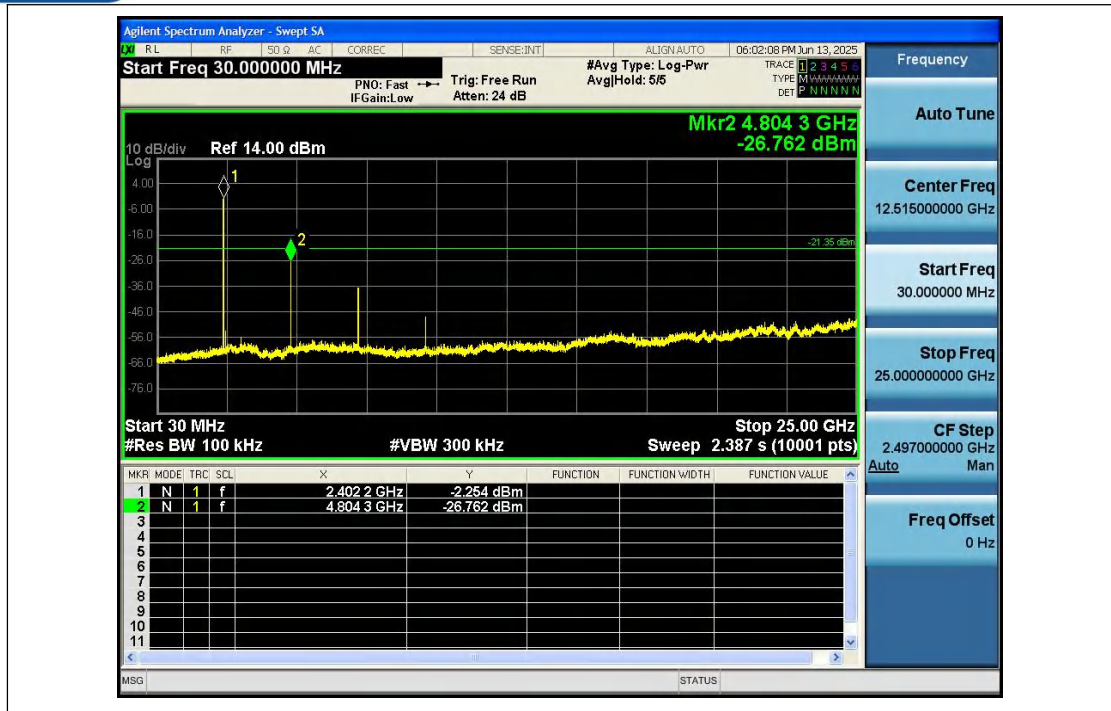
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-1.354	-26.762	-21.354	Pass
NVNT	ANT1	1Mbps	2440.00	-1.896	-28.281	-21.896	Pass
NVNT	ANT1	1Mbps	2480.00	-1.619	-27.773	-21.619	Pass
NVNT	ANT1	2Mbps	2402.00	-3.482	-29.349	-23.482	Pass
NVNT	ANT1	2Mbps	2440.00	-3.397	-28.175	-23.397	Pass
NVNT	ANT1	2Mbps	2480.00	-2.859	-28.775	-22.859	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.

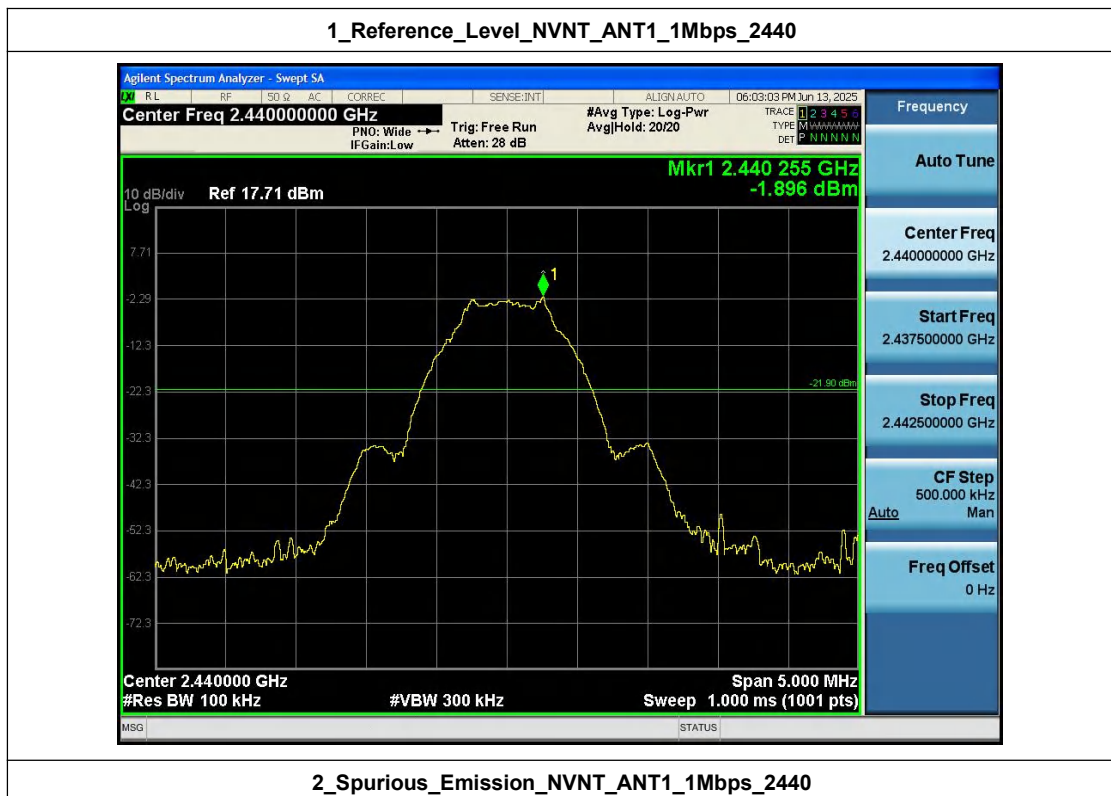
1_Reference_Level_NVNT_ANT1_1Mbps_2402



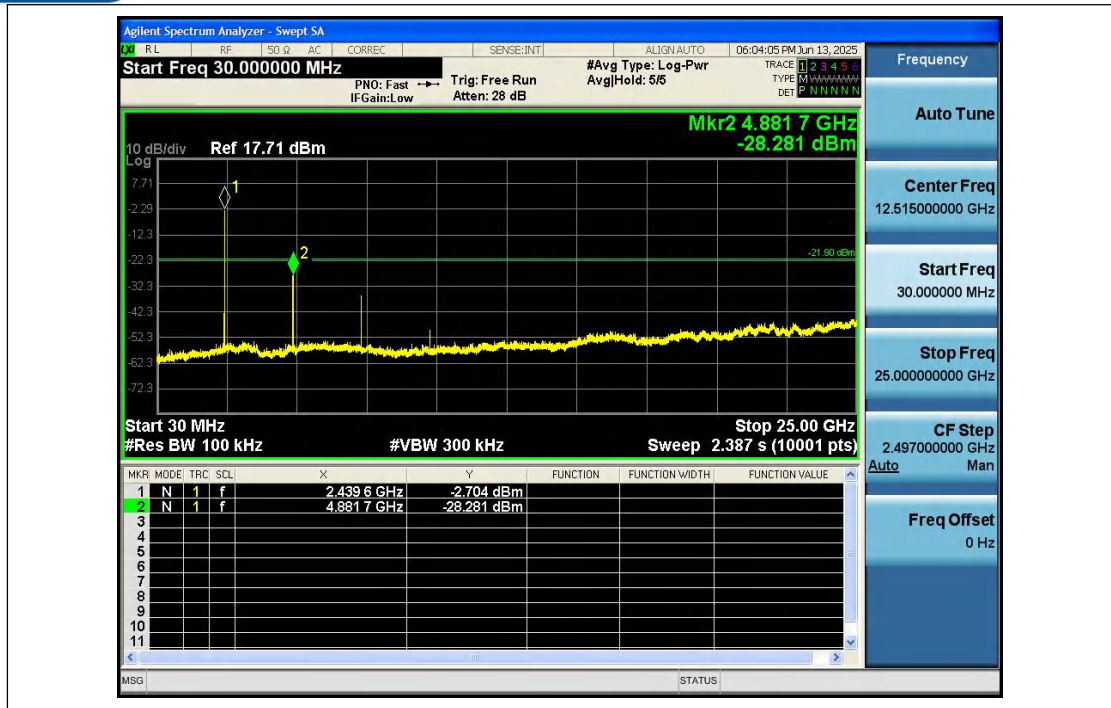
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



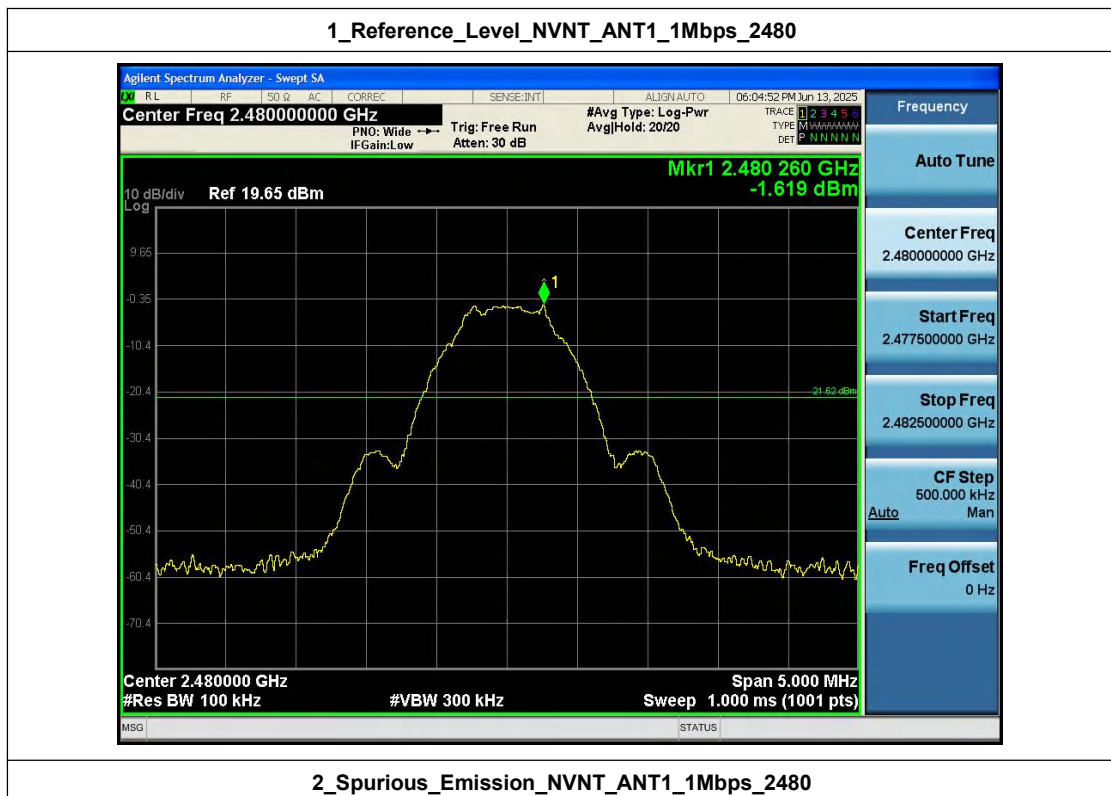
1_Reference_Level_NVNT_ANT1_1Mbps_2440



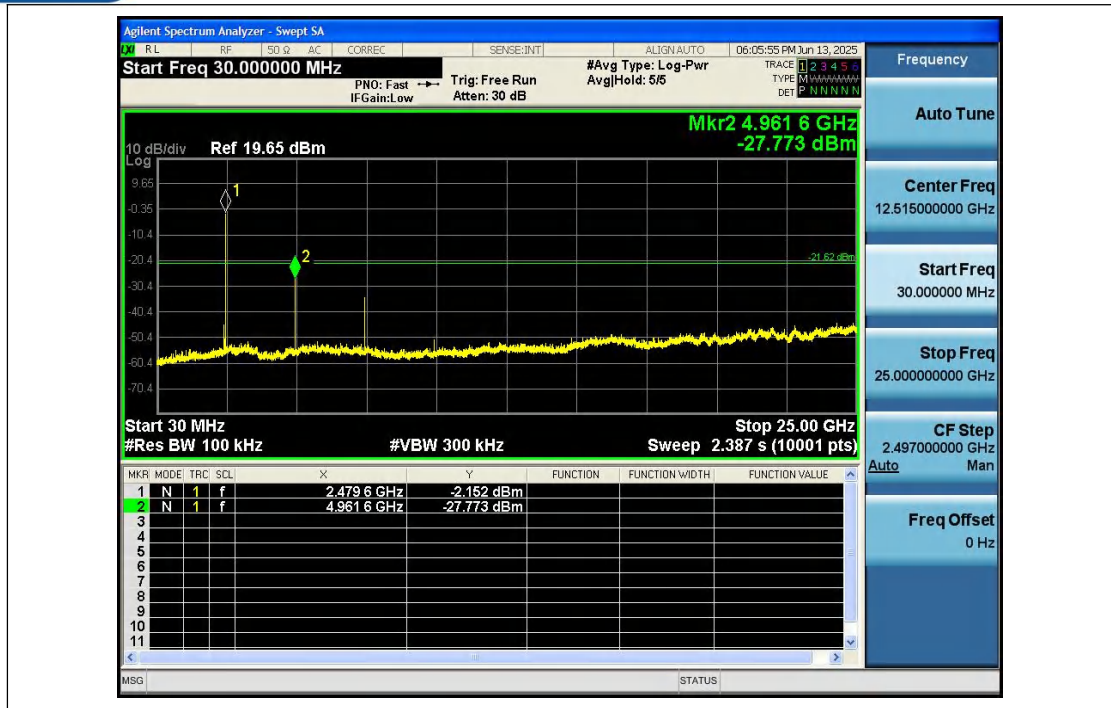
2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



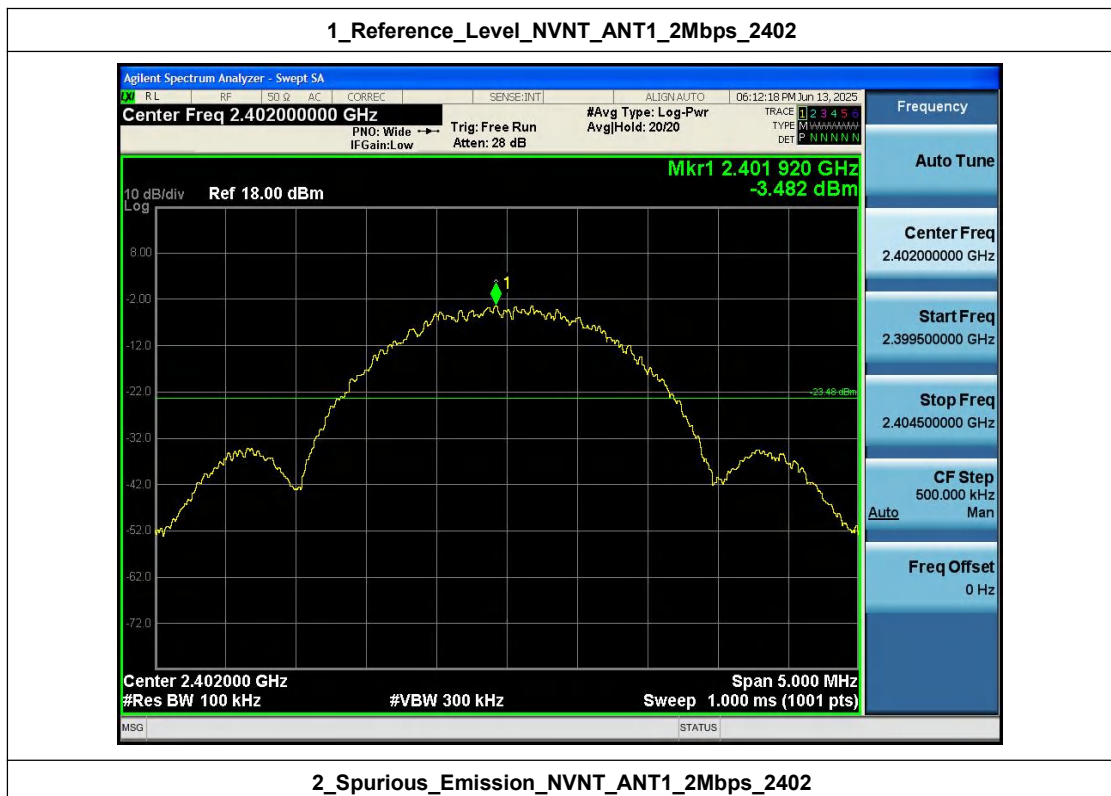
1_Reference_Level_NVNT_ANT1_1Mbps_2480



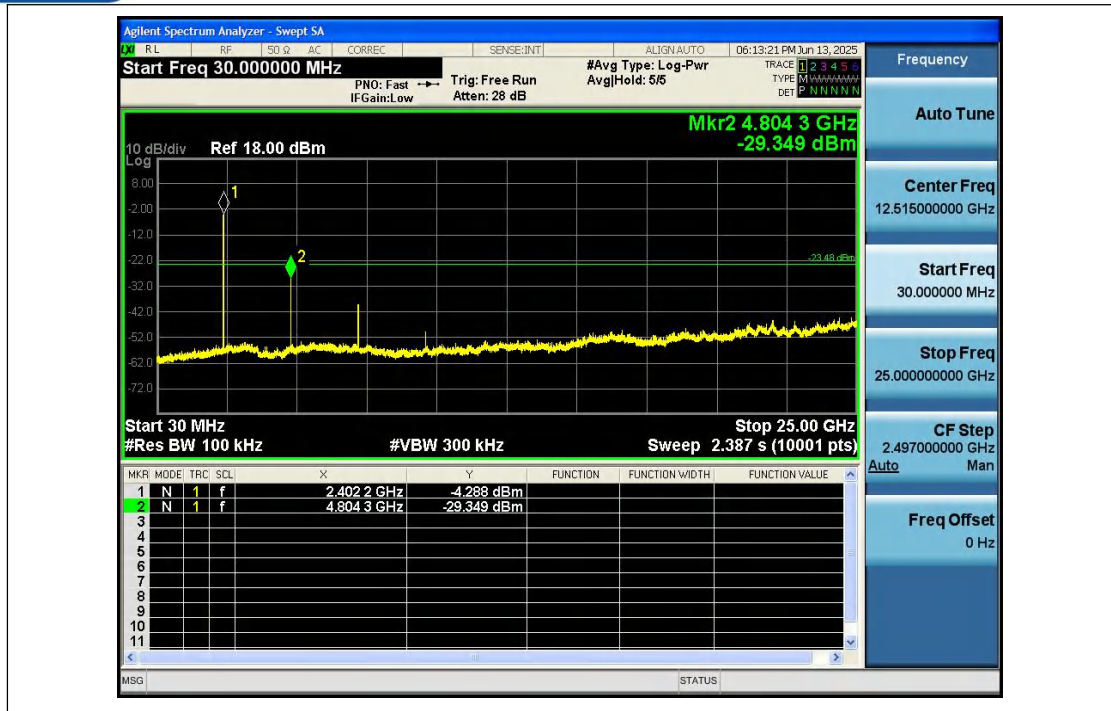
2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



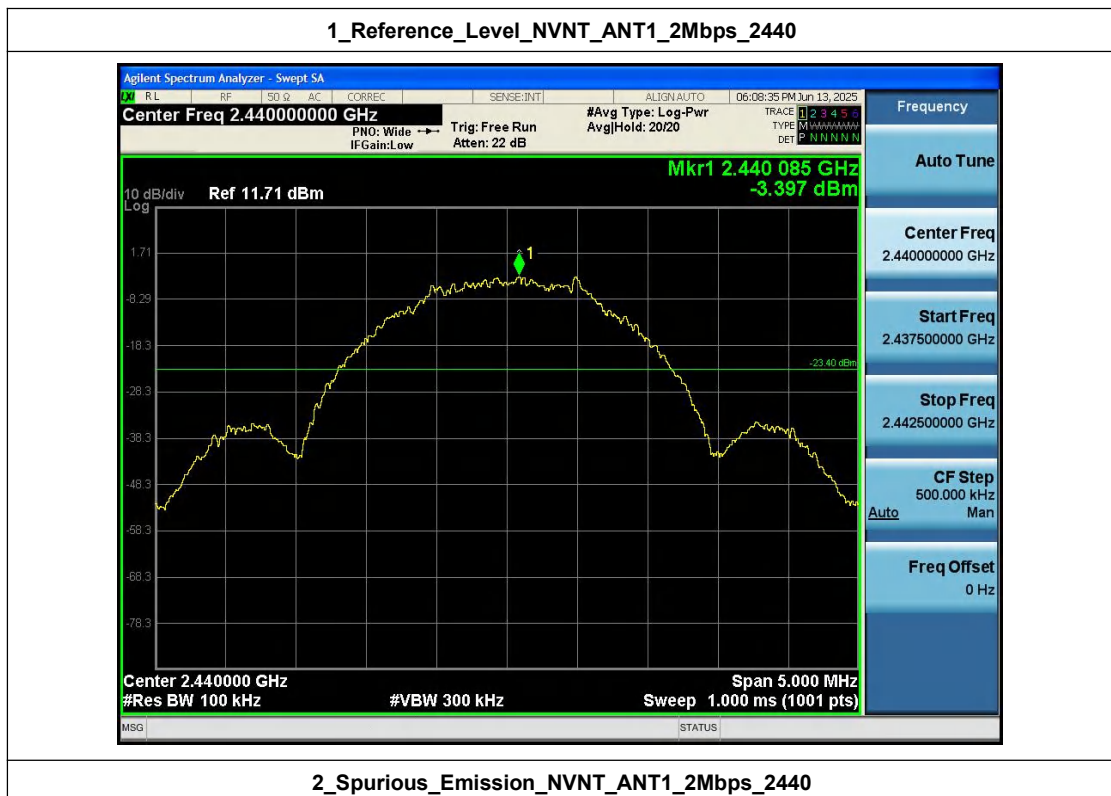
1_Reference_Level_NVNT_ANT1_2Mbps_2402



2_Spurious_Emission_NVNT_ANT1_2Mbps_2402



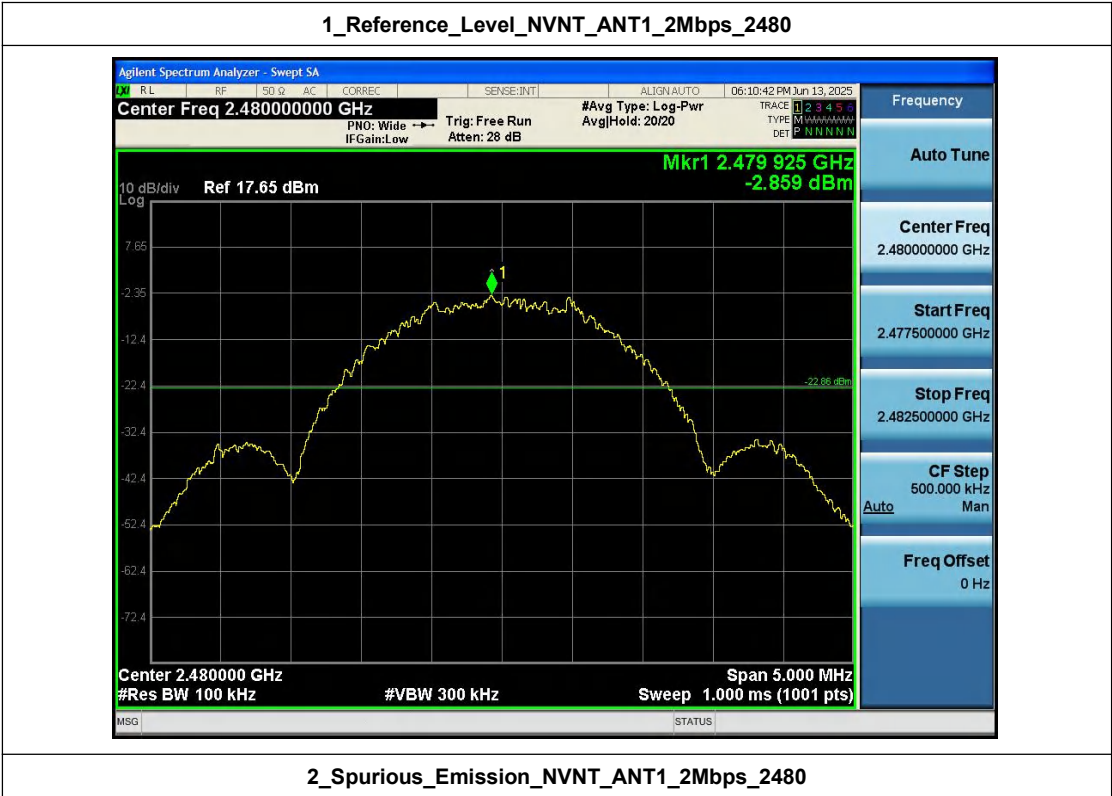
1_Reference_Level_NVNT_ANT1_2Mbps_2440



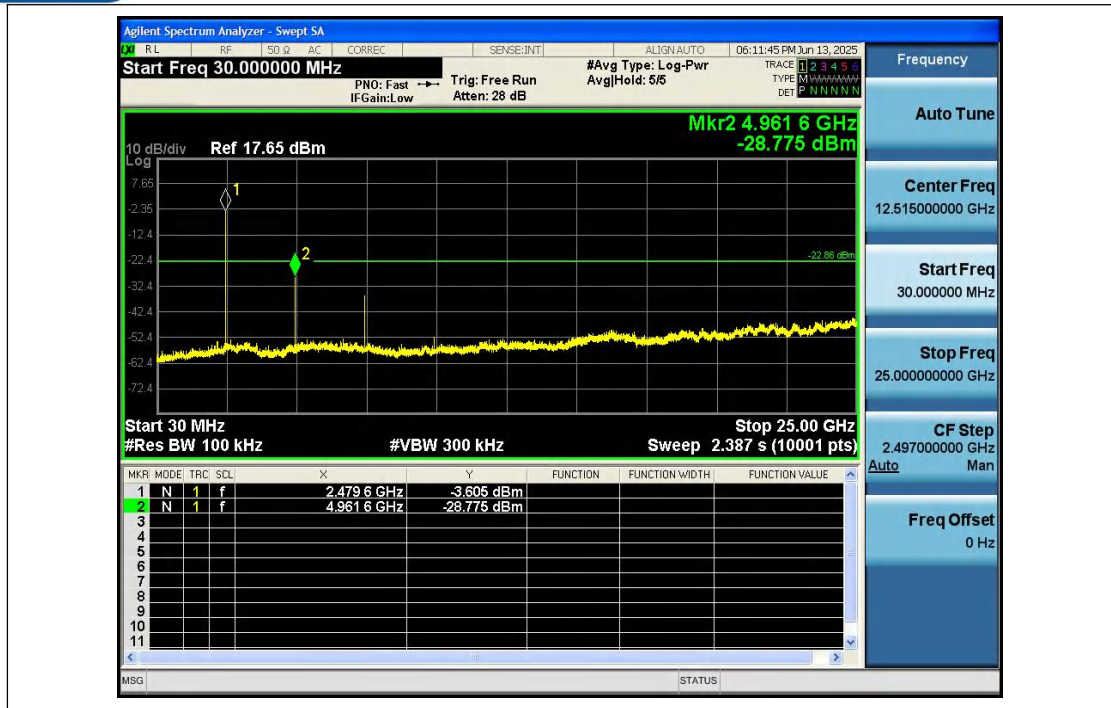
2_Spurious_Emission_NVNT_ANT1_2Mbps_2440



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Spurious_Emission_NVNT_ANT1_2Mbps_2480



---END---

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