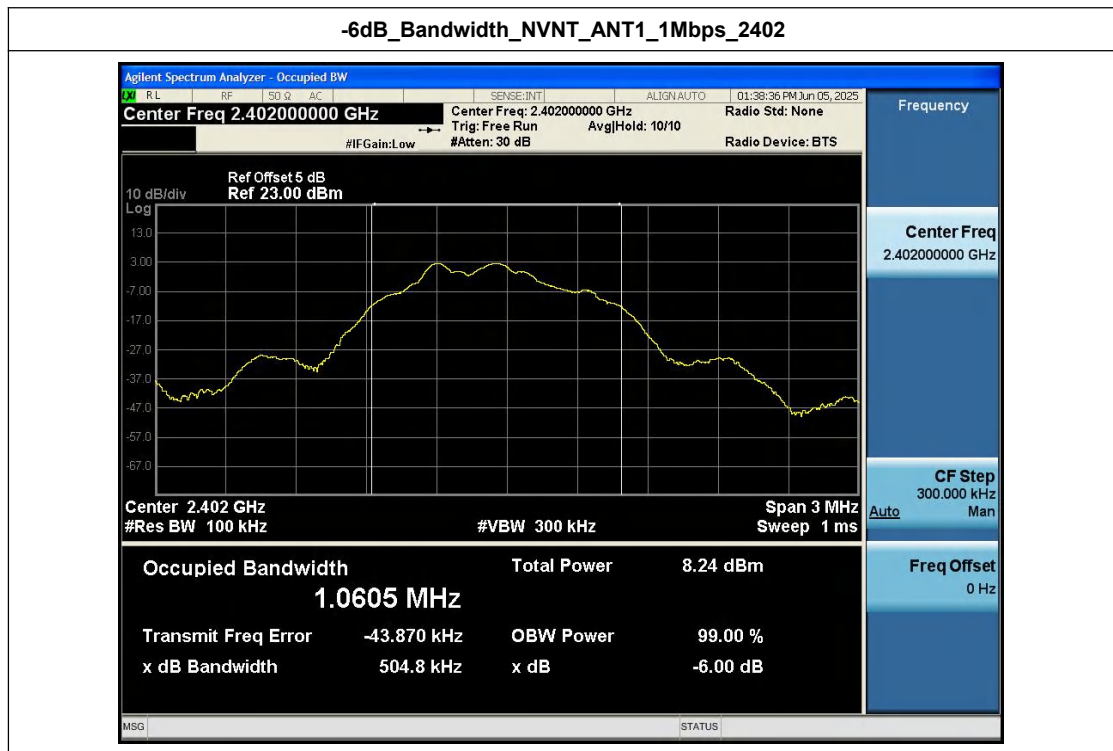


Appendix Test Data

Report No.:	1812C50239812502	Test Sample No.:	1-2-2
Start Test Date:	2025.5.30	Finish Test Date:	2025.6.5
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.5°C	Relative Humidity:	56%
Pressure:	101kPa		

Appendix A: -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	504.84	500	Pass
NVNT	ANT1	1Mbps	2440.00	507.37	500	Pass
NVNT	ANT1	1Mbps	2480.00	510.98	500	Pass
NVNT	ANT1	2Mbps	2402.00	849.48	500	Pass
NVNT	ANT1	2Mbps	2440.00	839.72	500	Pass
NVNT	ANT1	2Mbps	2480.00	849.92	500	Pass



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440



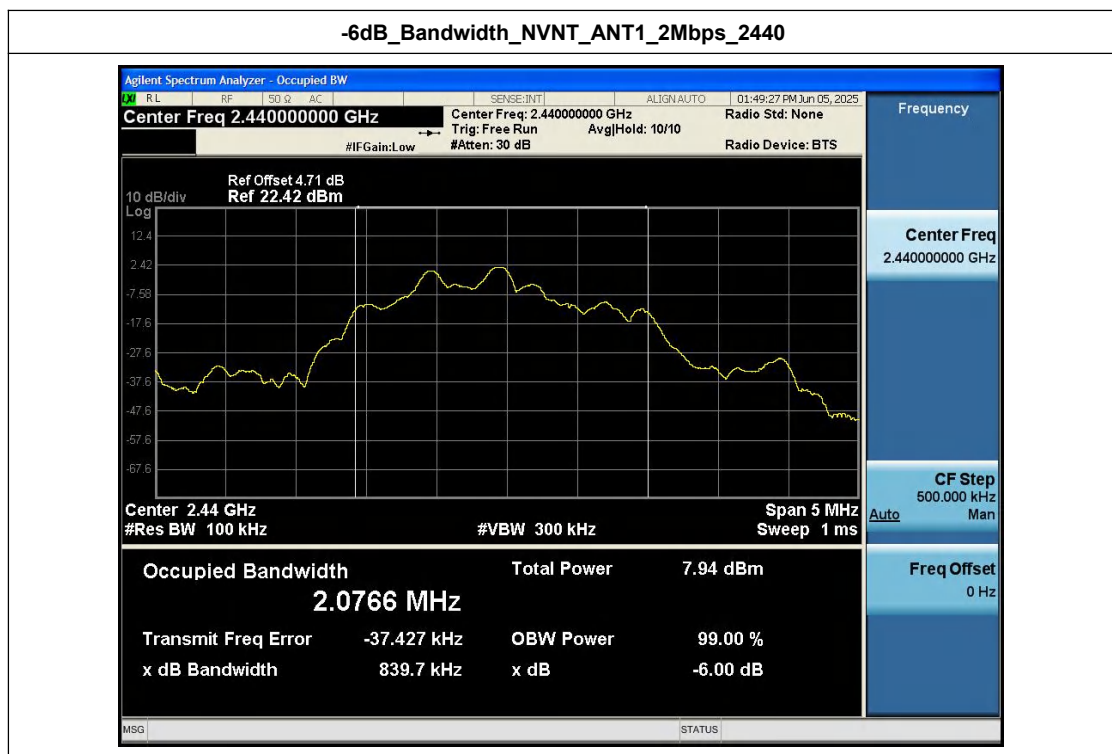
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



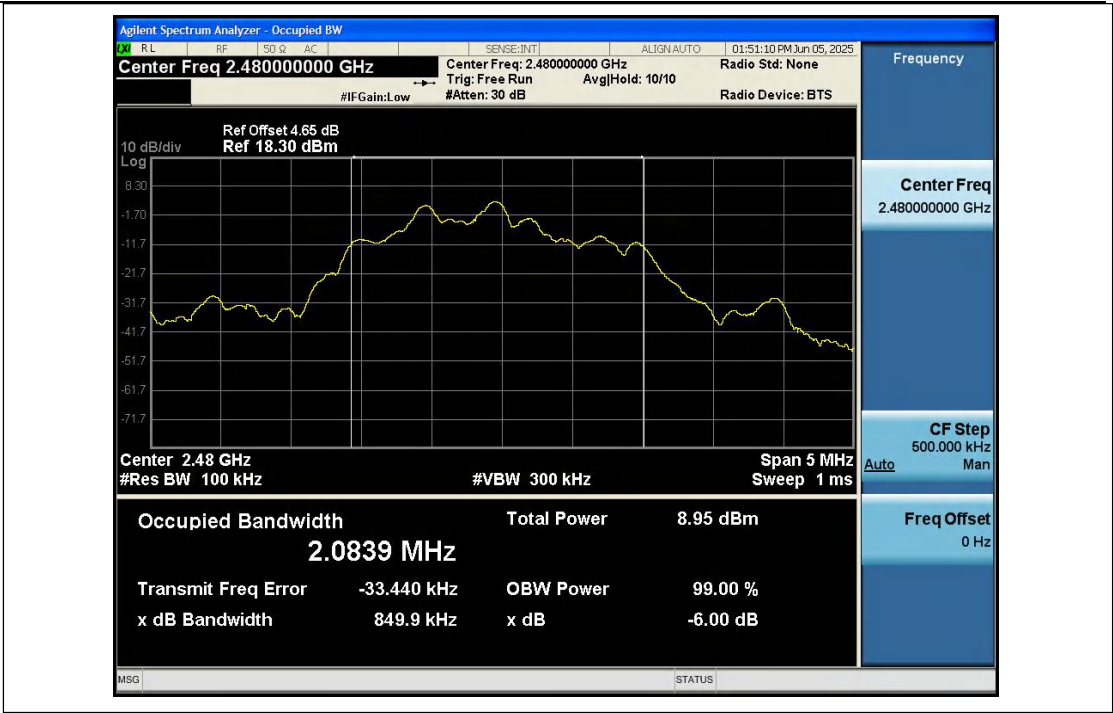
-6dB_Bandwidth_NVNT_ANT1_2Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2440



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2480



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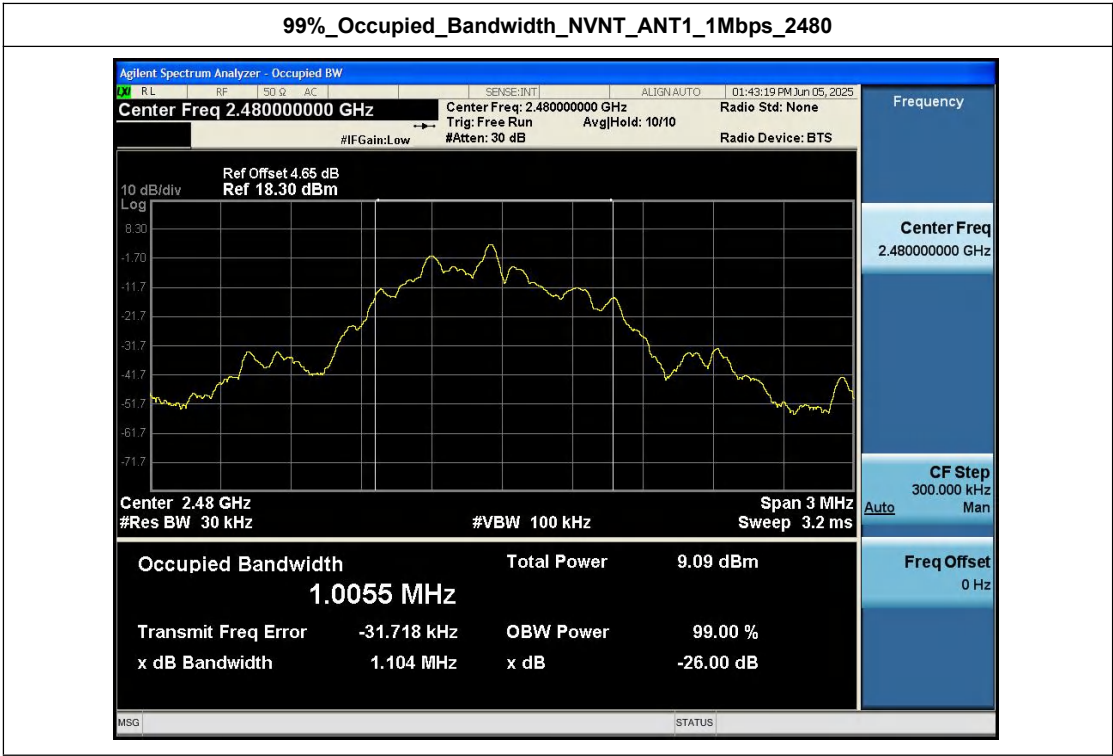
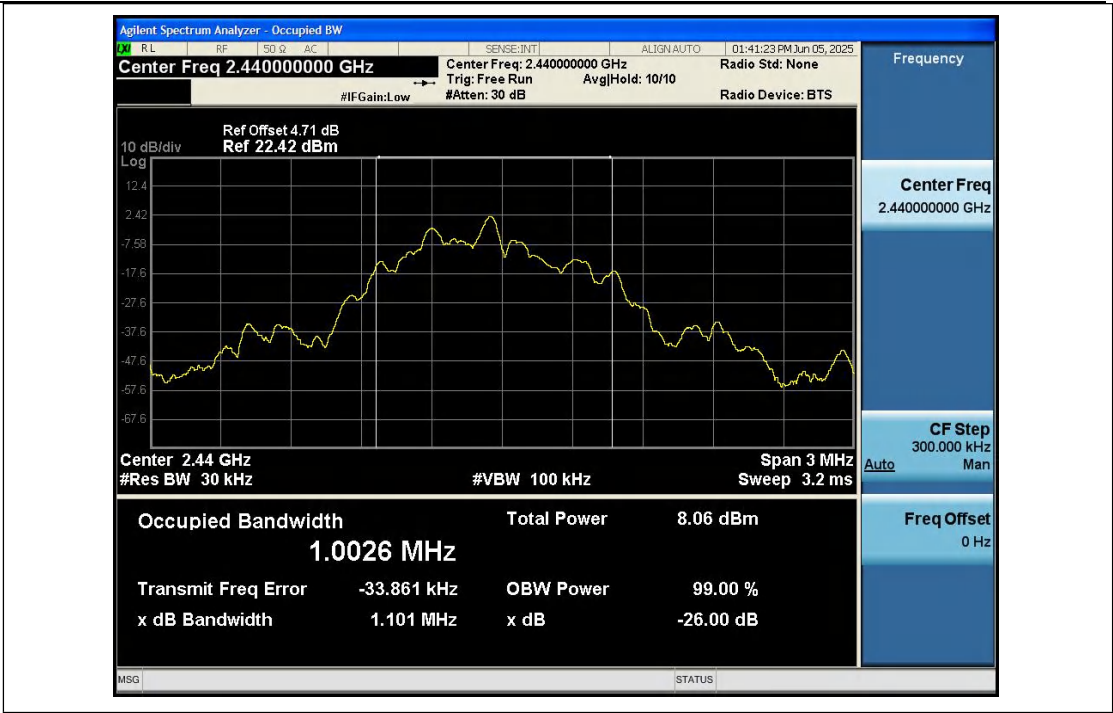
Appendix B: 99% Occupied Bandwidth

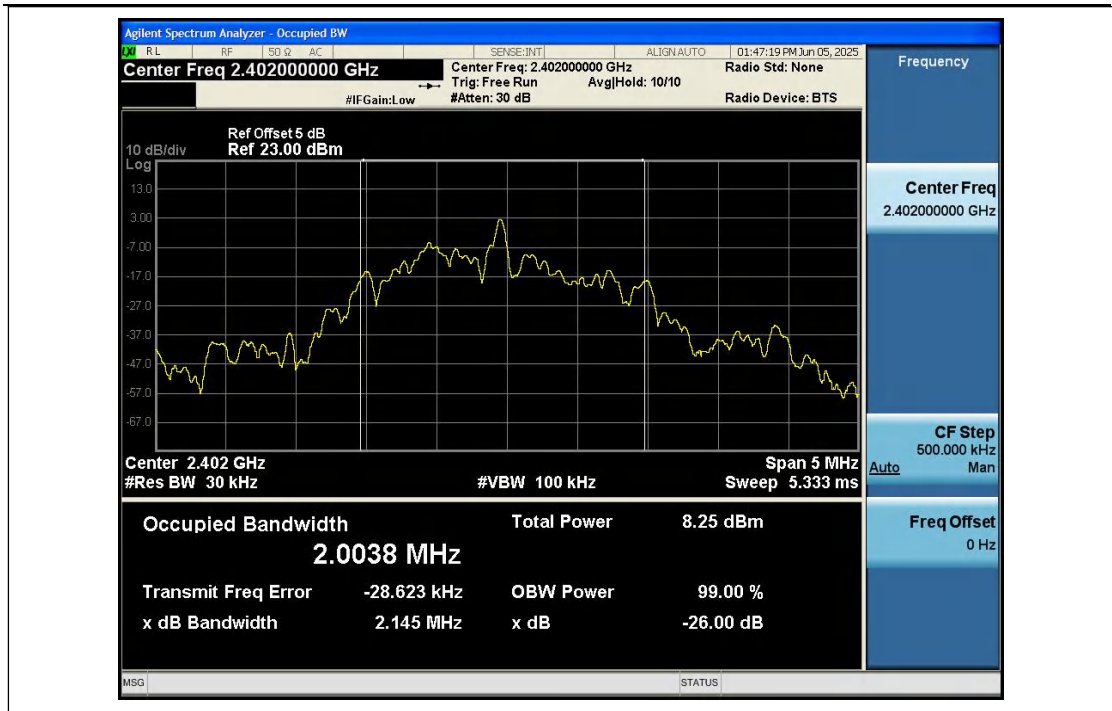
Condition	Antenna	Rate	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.005
NVNT	ANT1	1Mbps	2440.00	1.003
NVNT	ANT1	1Mbps	2480.00	1.006
NVNT	ANT1	2Mbps	2402.00	2.004
NVNT	ANT1	2Mbps	2440.00	2.003
NVNT	ANT1	2Mbps	2480.00	2.013

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402

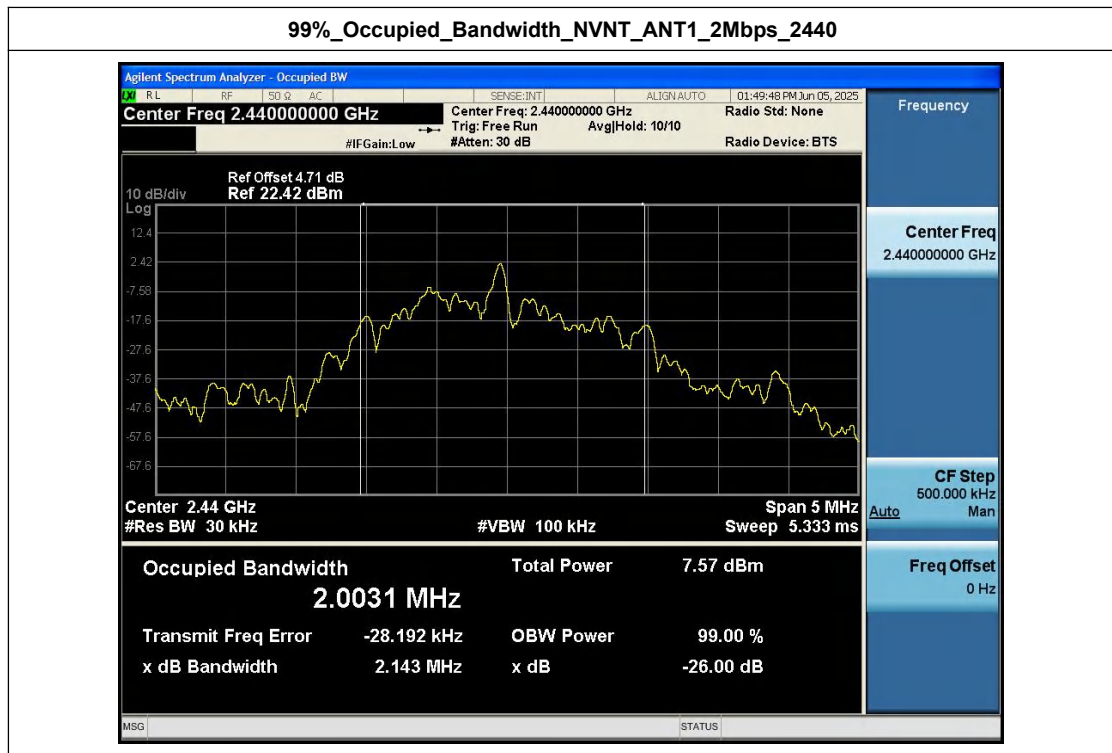


99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



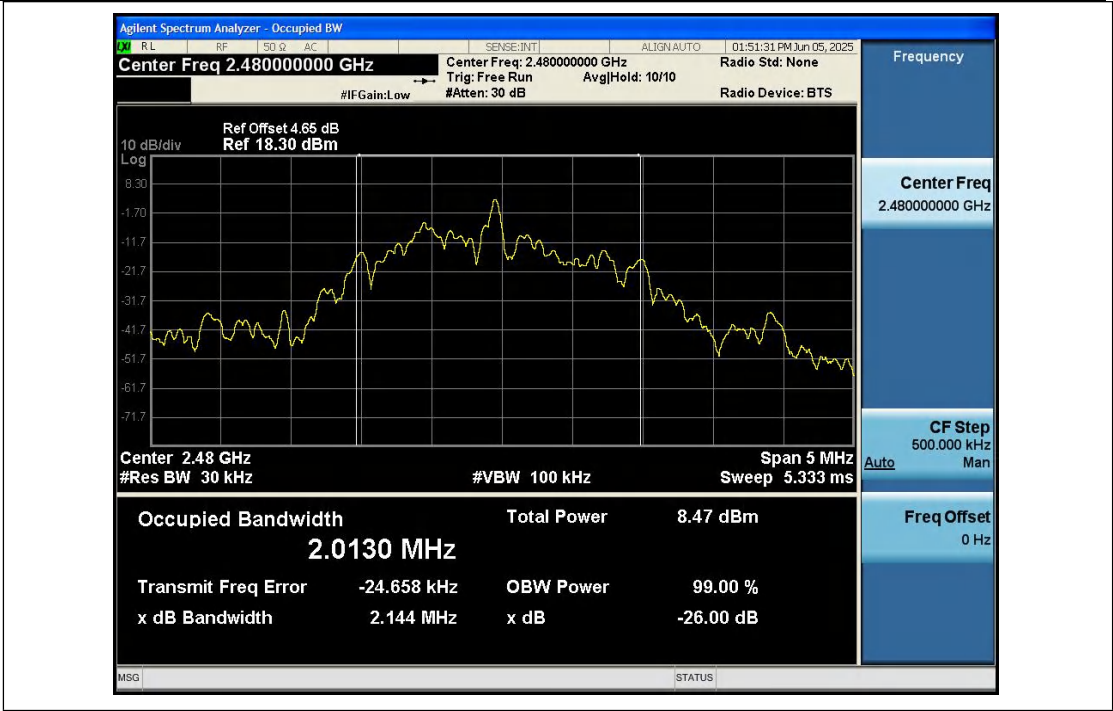


99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2440



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2480





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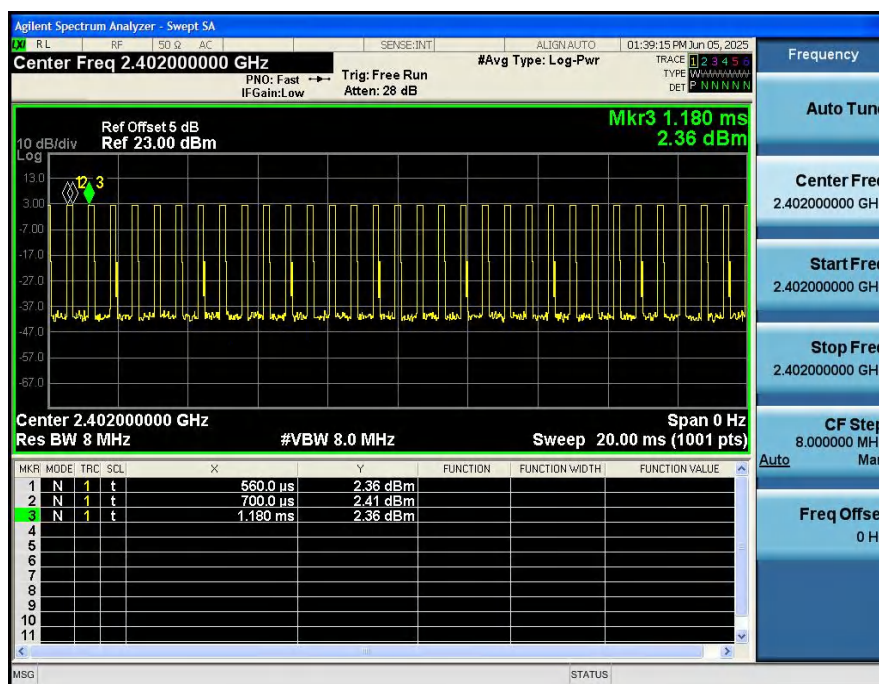
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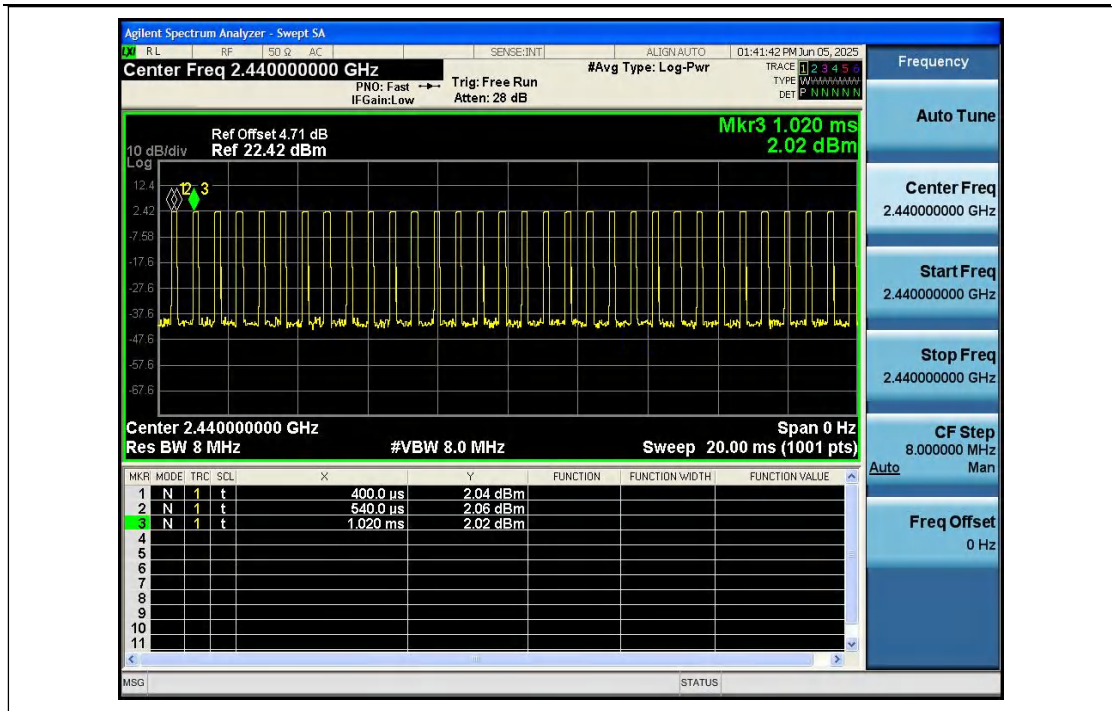
Appendix C: Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	25.81	5.88
NVNT	ANT1	1Mbps	2440.00	22.58	6.46
NVNT	ANT1	1Mbps	2480.00	22.58	6.46
NVNT	ANT1	2Mbps	2402.00	16.13	7.92
NVNT	ANT1	2Mbps	2440.00	18.75	7.27
NVNT	ANT1	2Mbps	2480.00	16.13	7.92

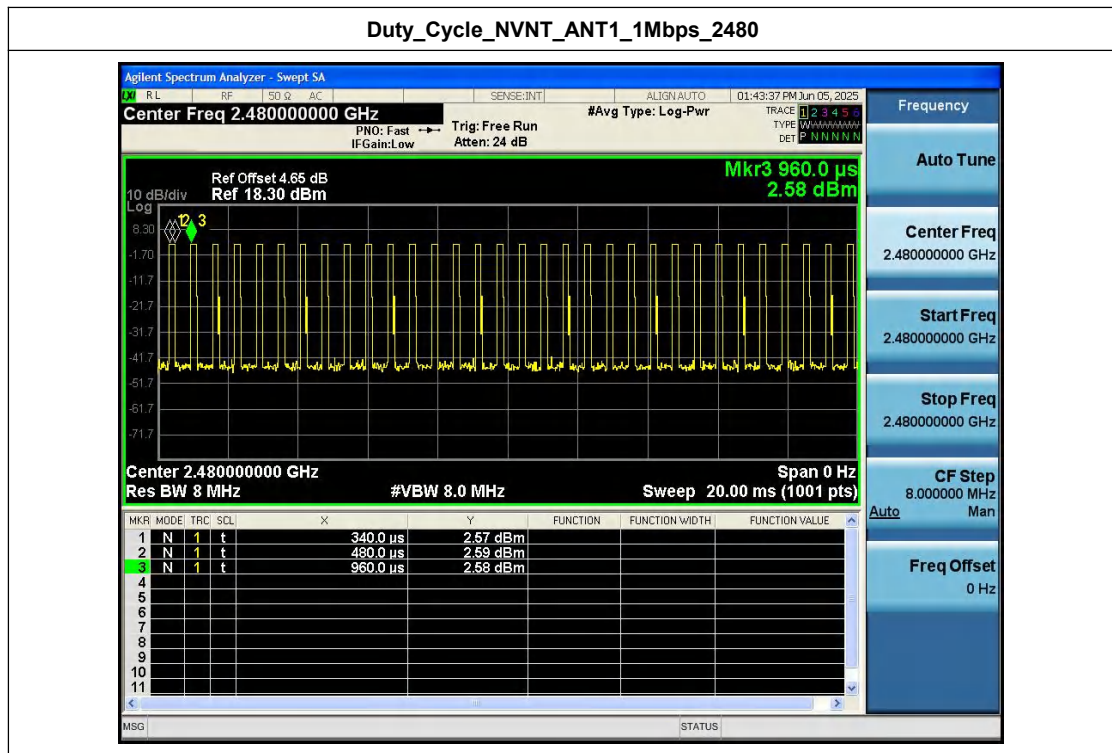
Duty_Cycle_NVNT_ANT1_1Mbps_2402



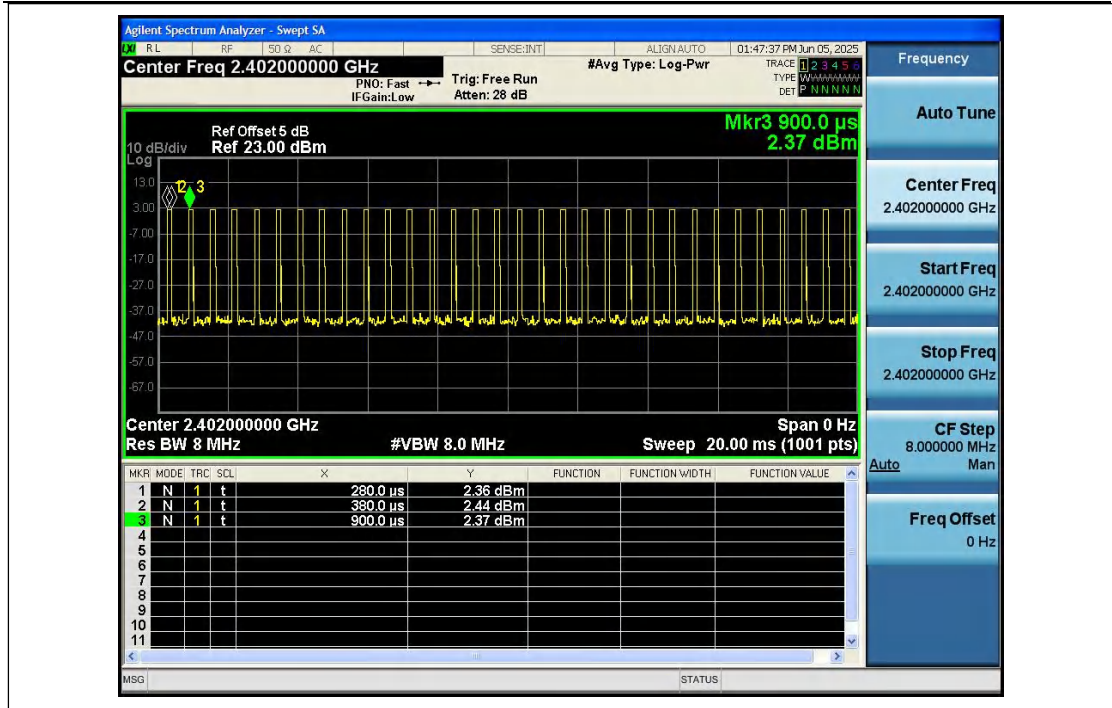
Duty_Cycle_NVNT_ANT1_1Mbps_2440



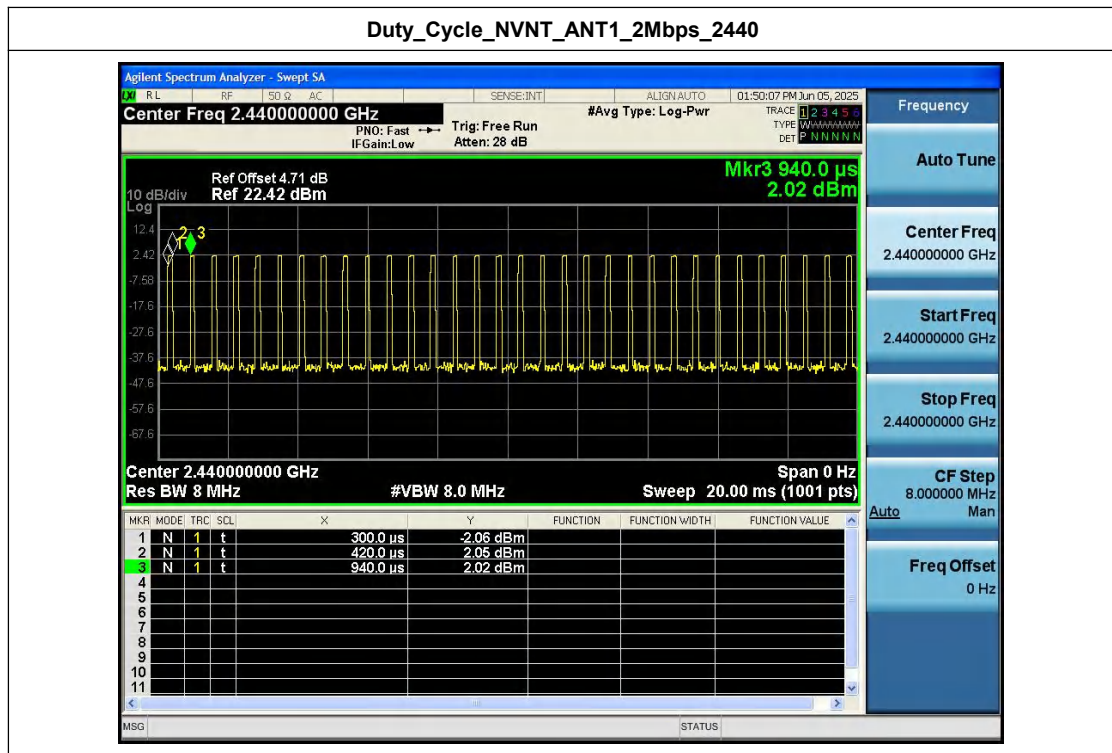
Duty_Cycle_NVNT_ANT1_1Mbps_2480



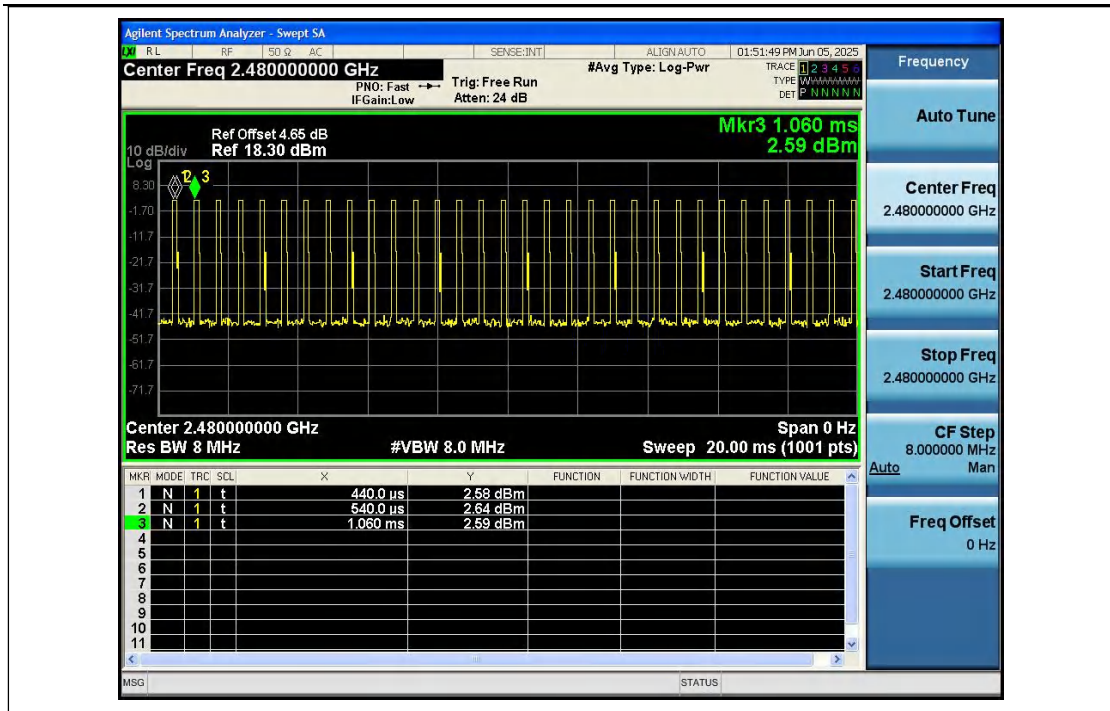
Duty_Cycle_NVNT_ANT1_2Mbps_2402



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	2.42	1.75	1000	Pass
NVNT	ANT1	1Mbps	2440.00	2.10	1.62	1000	Pass
NVNT	ANT1	1Mbps	2480.00	2.61	1.82	1000	Pass
NVNT	ANT1	2Mbps	2402.00	2.49	1.77	1000	Pass
NVNT	ANT1	2Mbps	2440.00	2.12	1.63	1000	Pass
NVNT	ANT1	2Mbps	2480.00	2.63	1.83	1000	Pass

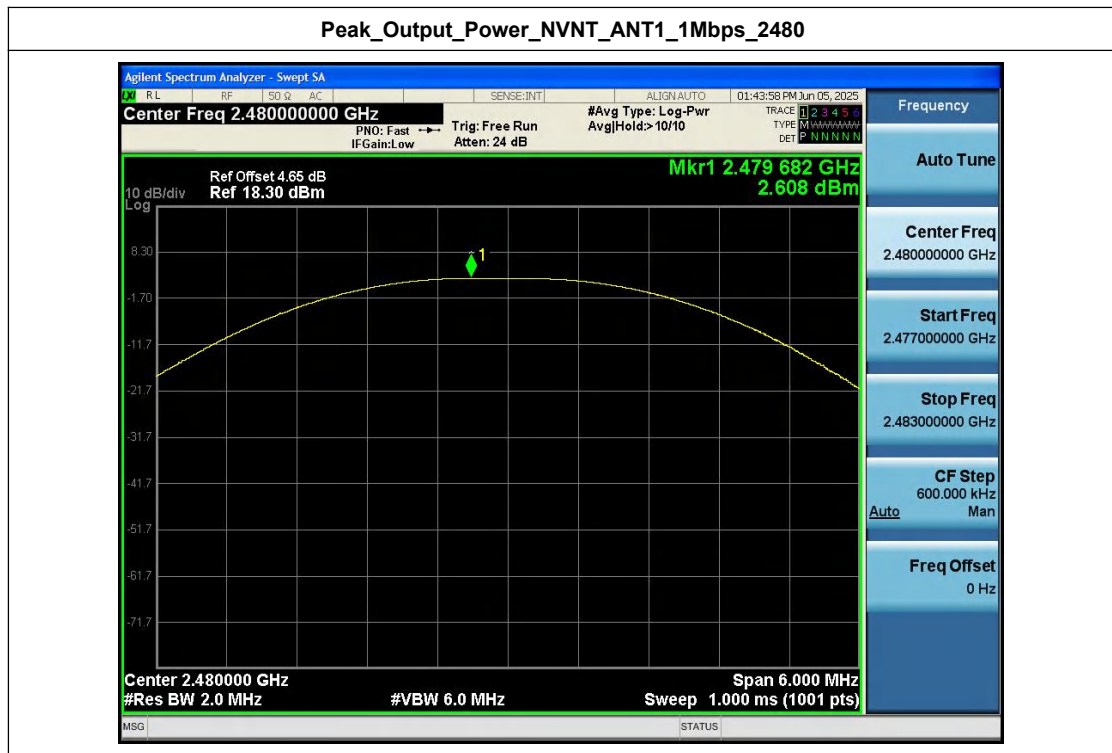
Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



Peak_Output_Power_NVNT_ANT1_1Mbps_2480

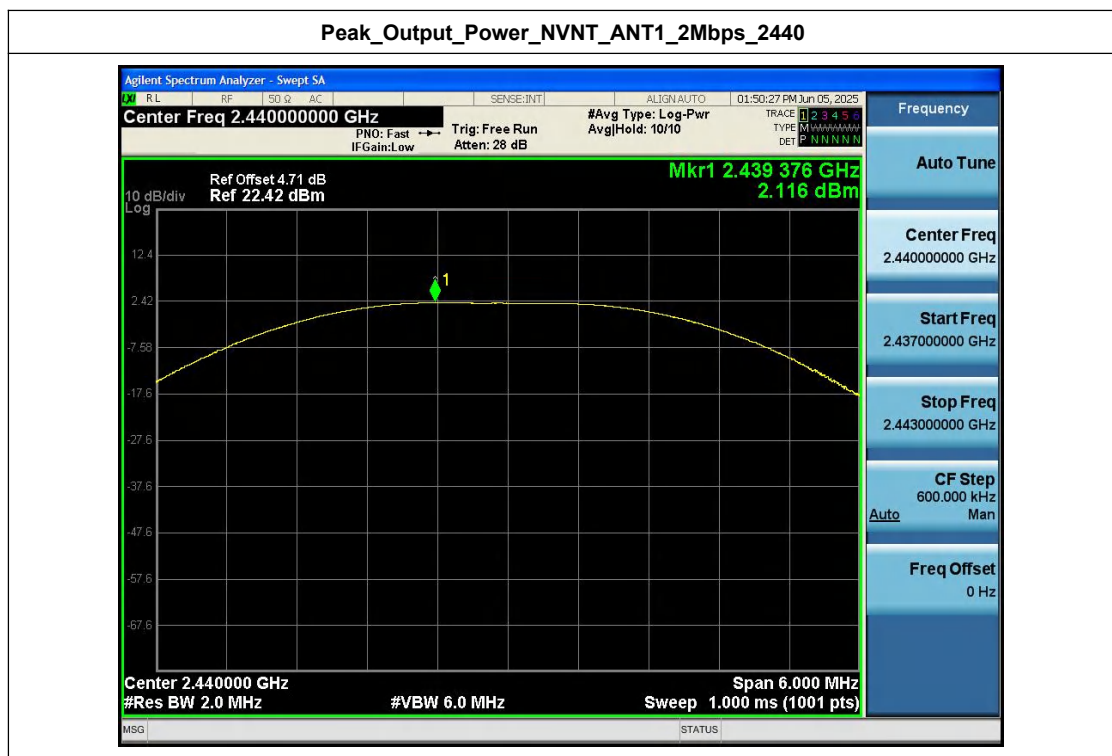


Peak_Output_Power_NVNT_ANT1_2Mbps_2402

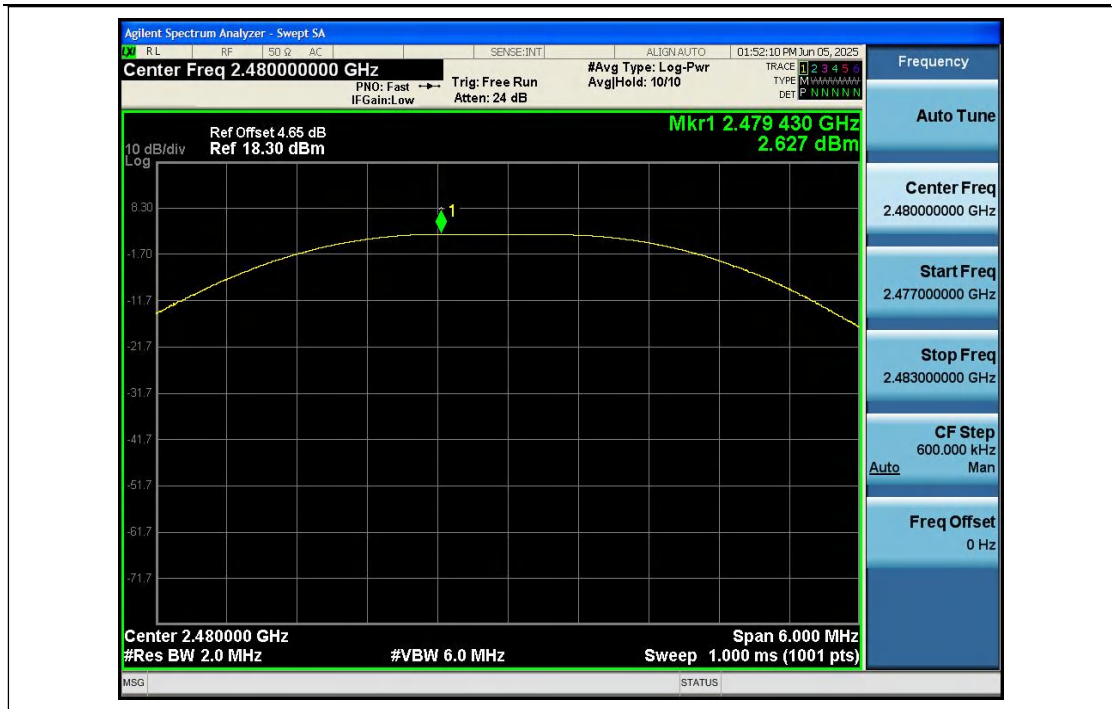




Peak_Output_Power_NVNT_ANT1_2Mbps_2440



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	-7.54	8	Pass
NVNT	ANT1	1Mbps	2440.00	-8.32	8	Pass
NVNT	ANT1	1Mbps	2480.00	-7.15	8	Pass
NVNT	ANT1	2Mbps	2402.00	-7.90	8	Pass
NVNT	ANT1	2Mbps	2440.00	-8.73	8	Pass
NVNT	ANT1	2Mbps	2480.00	-7.65	8	Pass

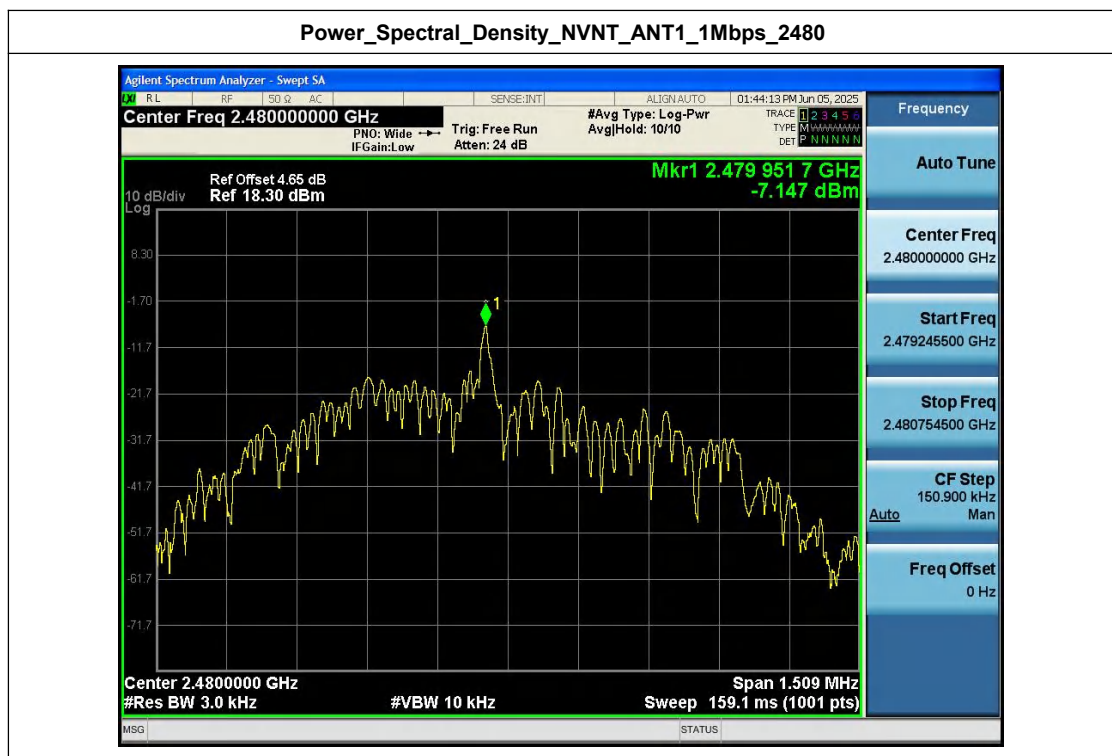
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



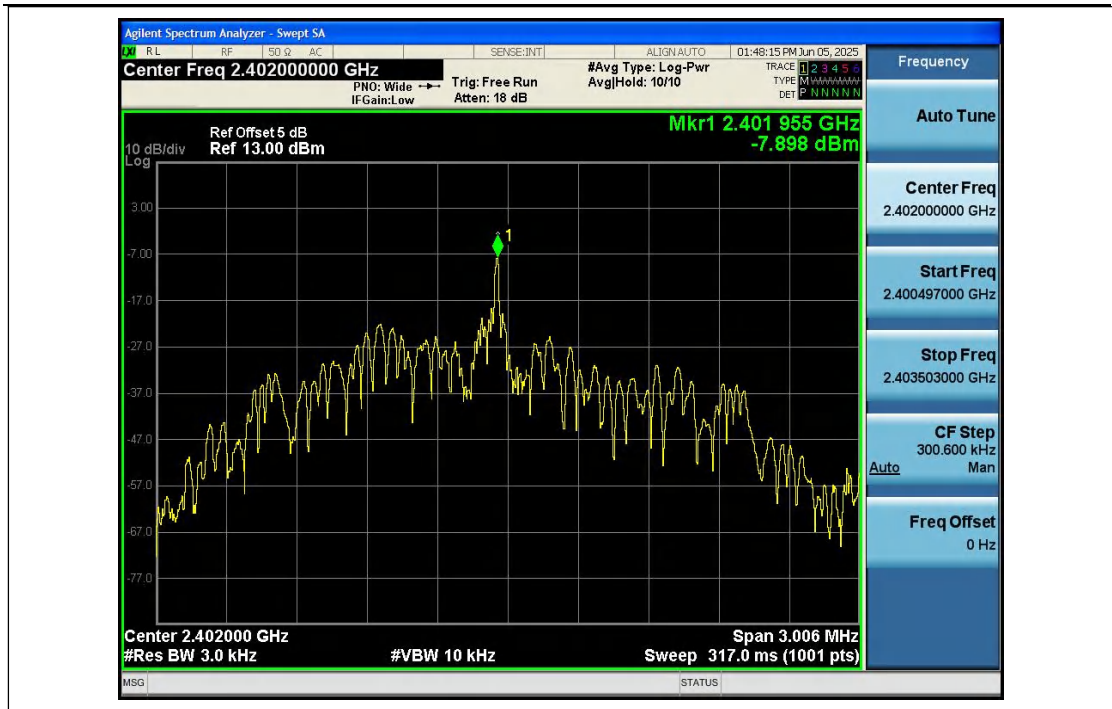
Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



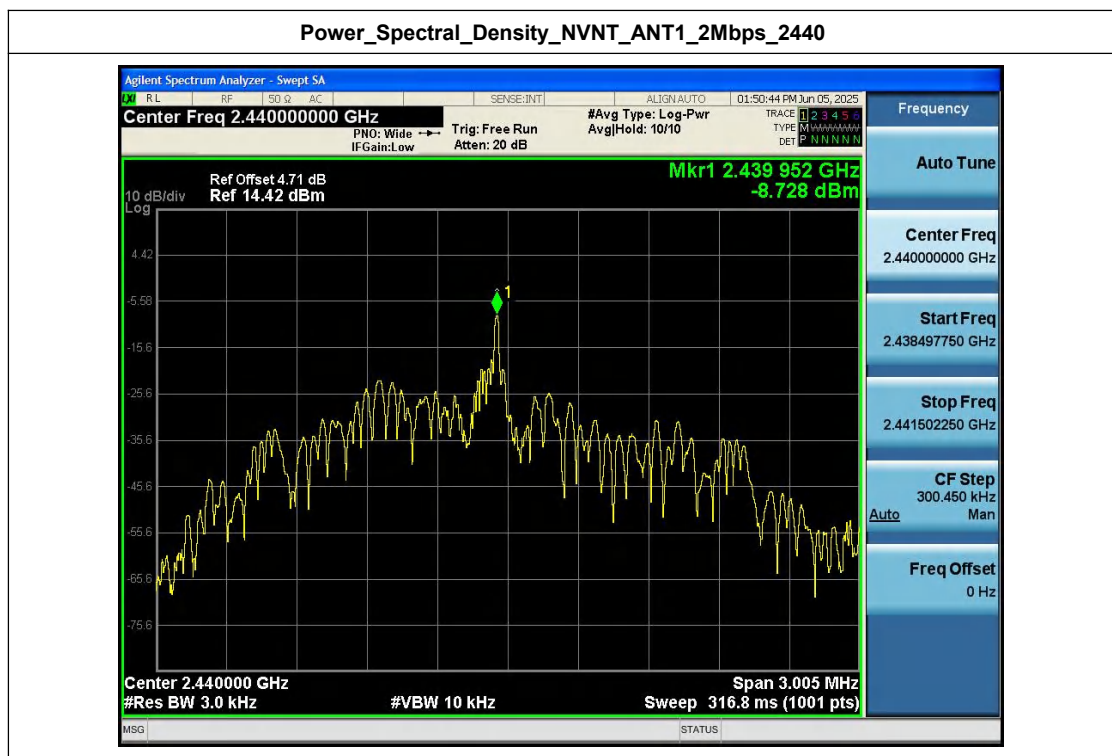
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



Power_Spectral_Density_NVNT_ANT1_2Mbps_2402



Power_Spectral_Density_NVNT_ANT1_2Mbps_2440



Power_Spectral_Density_NVNT_ANT1_2Mbps_2480

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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	2399.205	2.391	-32.909	-17.609	Pass
NVNT	ANT1	1Mbps	2480.00	2484.700	2.582	-38.041	-17.418	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	2.323	-32.004	-17.677	Pass
NVNT	ANT1	2Mbps	2480.00	2485.950	2.587	-38.928	-17.413	Pass

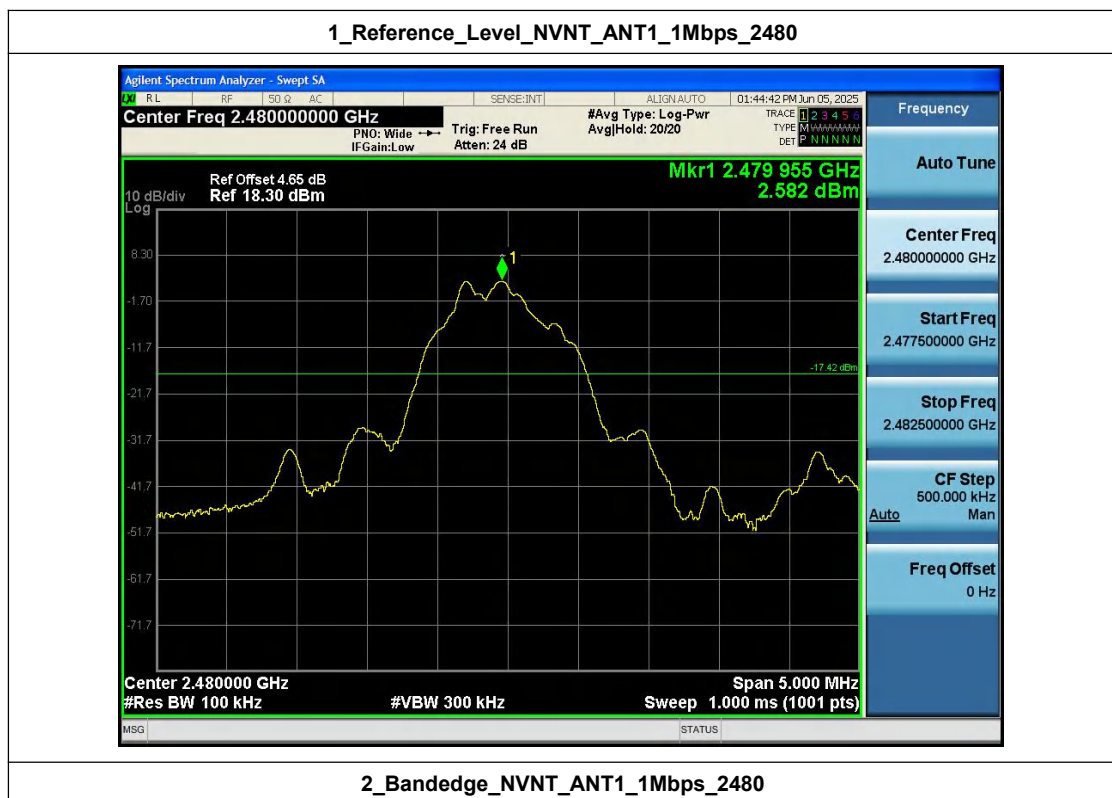
1_Reference_Level_NVNT_ANT1_1Mbps_2402



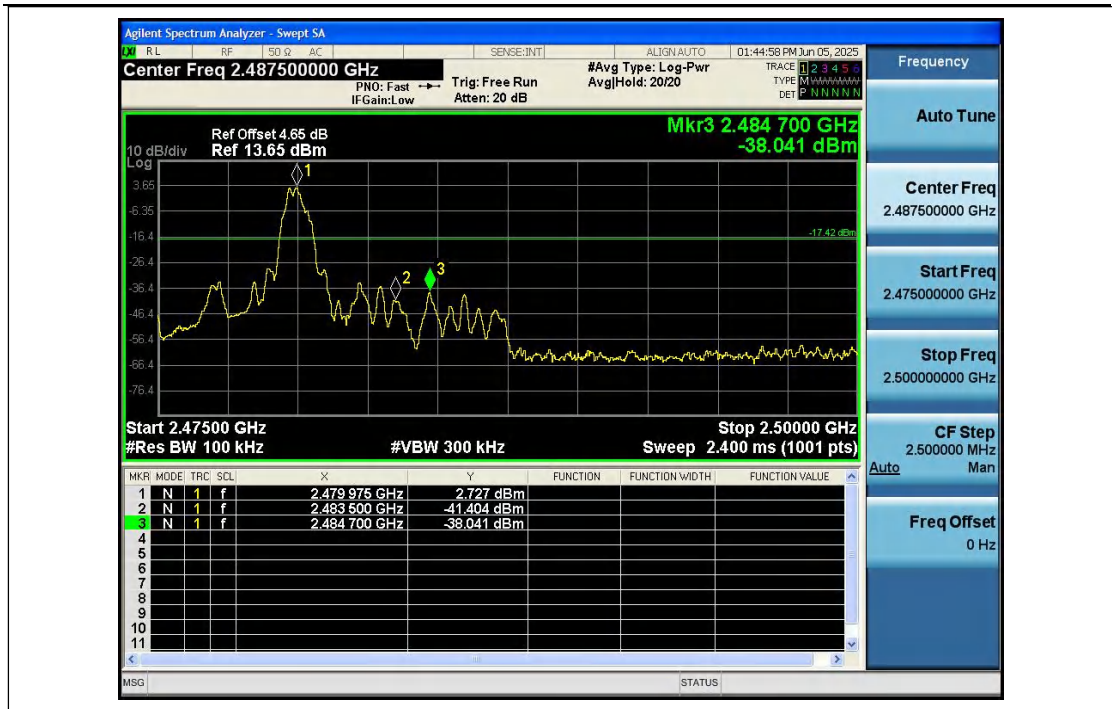
2_Bandedge_NVNT_ANT1_1Mbps_2402



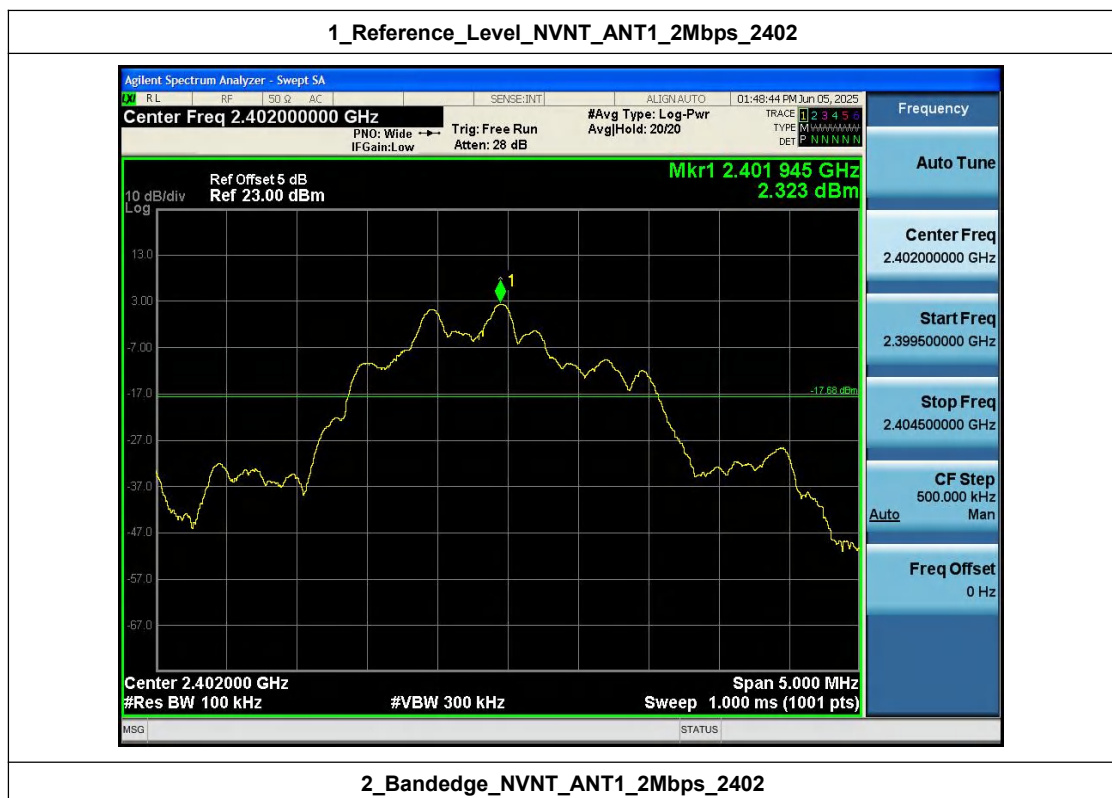
1_Reference_Level_NVNT_ANT1_1Mbps_2480



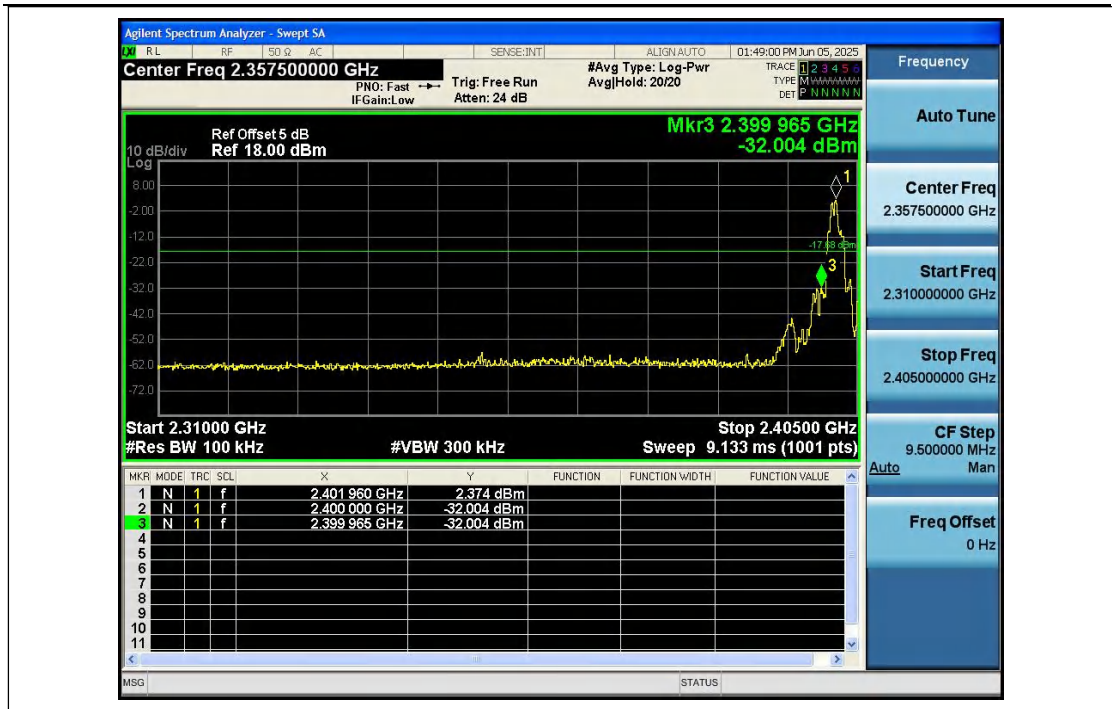
2_Bandedge_NVNT_ANT1_1Mbps_2480



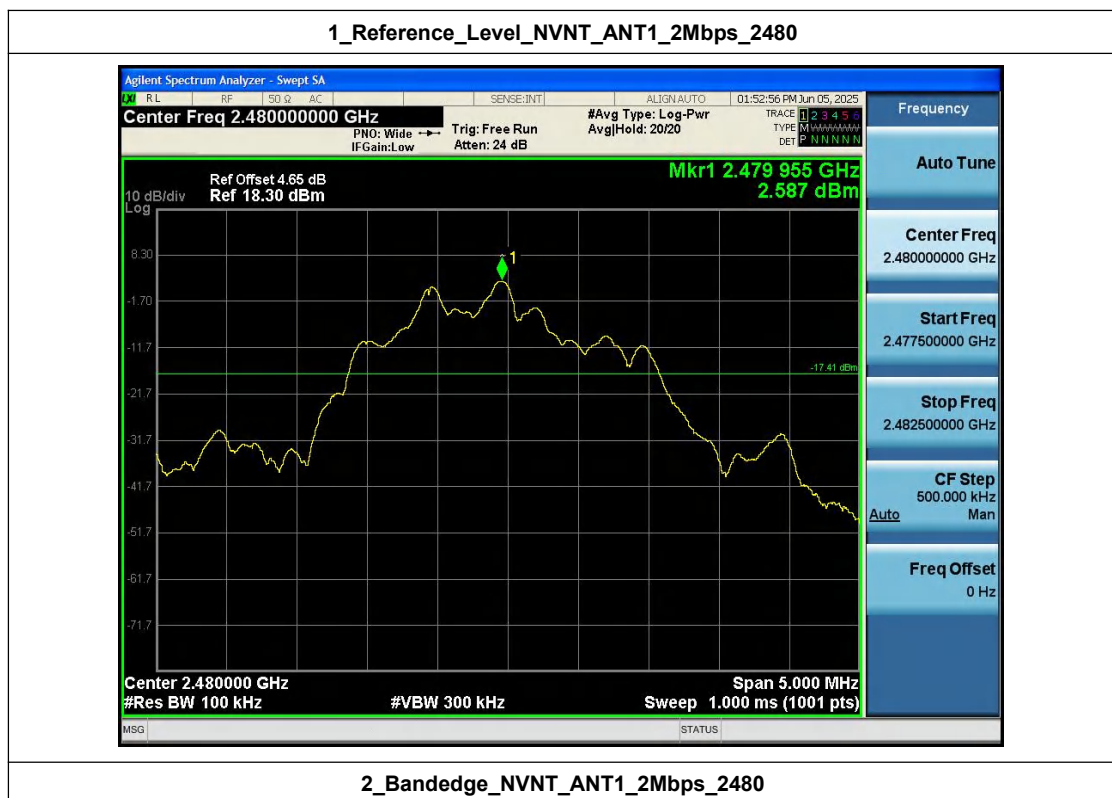
1_Reference_Level_NVNT_ANT1_2Mbps_2402



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	1.845	-37.985	-18.155	Pass
NVNT	ANT1	1Mbps	2440.00	1.572	-40.717	-18.428	Pass
NVNT	ANT1	1Mbps	2480.00	2.422	-38.438	-17.578	Pass
NVNT	ANT1	2Mbps	2402.00	2.244	-38.482	-17.756	Pass
NVNT	ANT1	2Mbps	2440.00	1.757	-39.478	-18.243	Pass
NVNT	ANT1	2Mbps	2480.00	2.470	-45.405	-17.530	Pass

Note: 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.

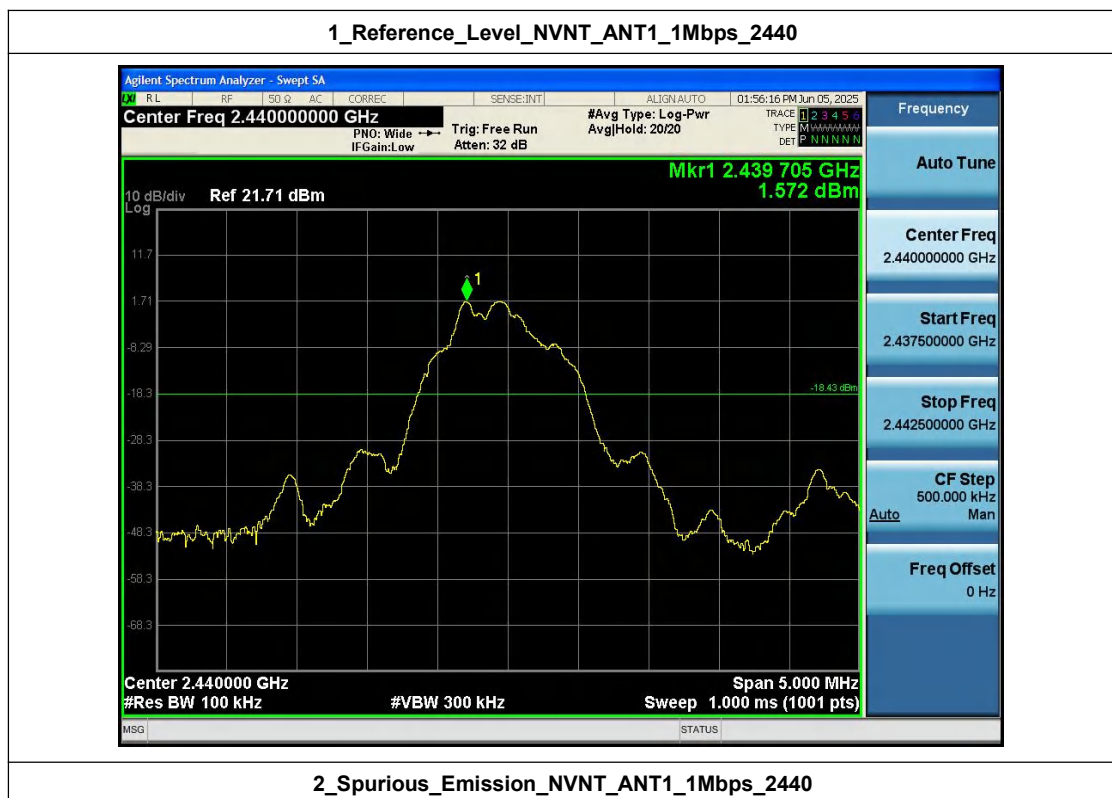
1_Reference_Level_NVNT_ANT1_1Mbps_2402



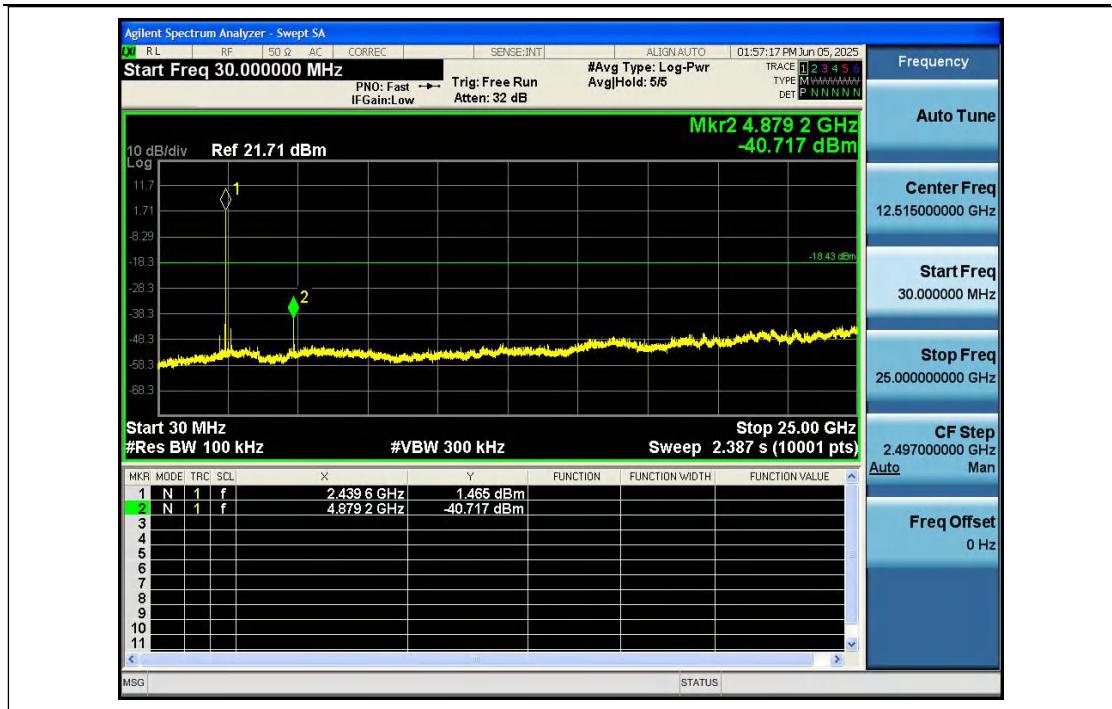
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



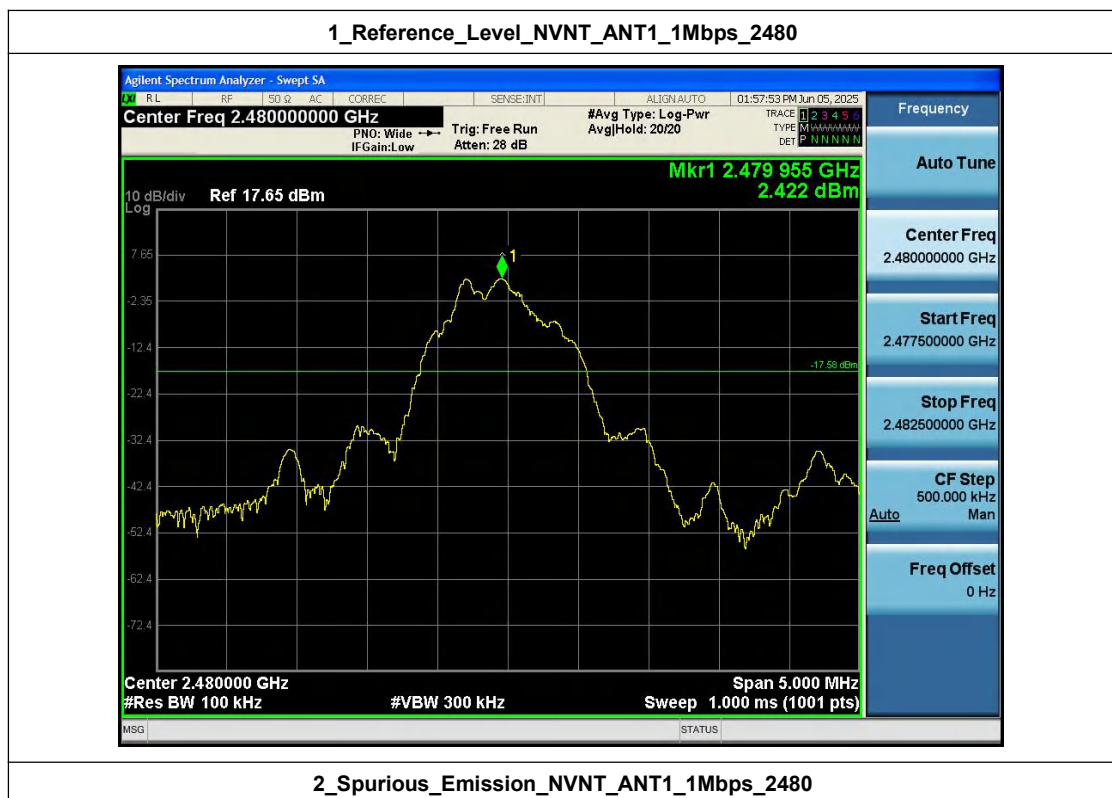
1_Reference_Level_NVNT_ANT1_1Mbps_2440



2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



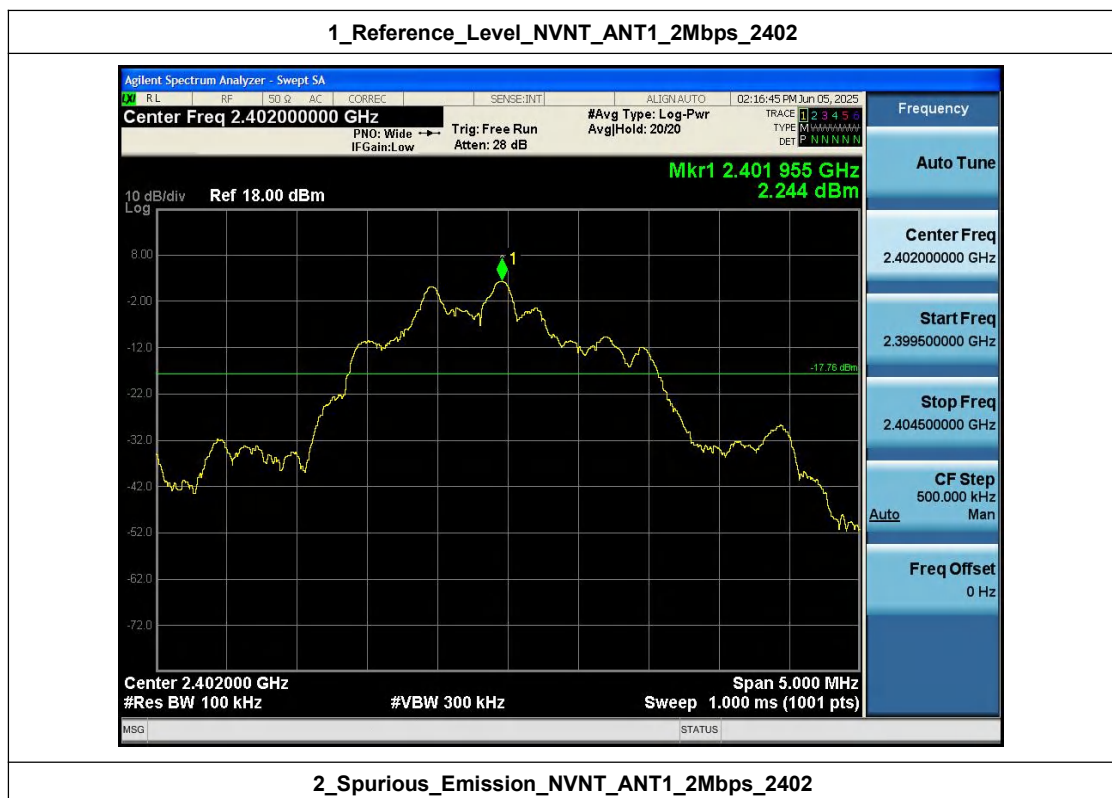
1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



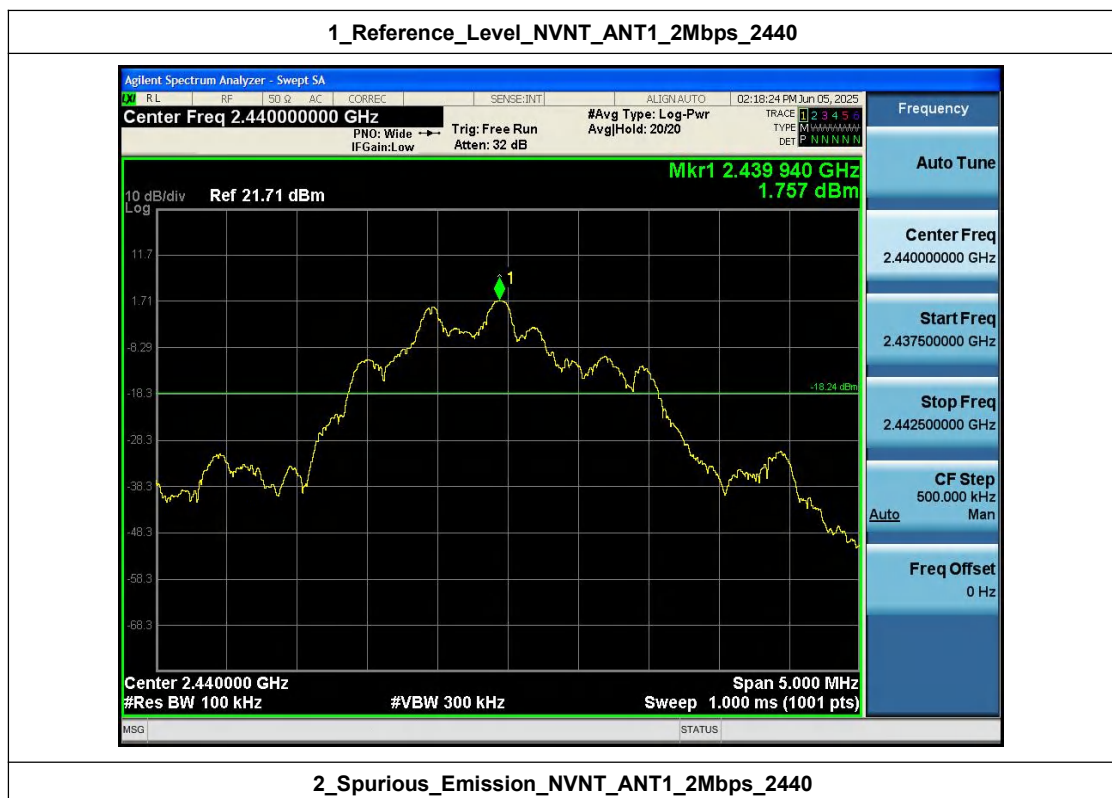
1_Reference_Level_NVNT_ANT1_2Mbps_2402



2_Spurious_Emission_NVNT_ANT1_2Mbps_2402



1_Reference_Level_NVNT_ANT1_2Mbps_2440

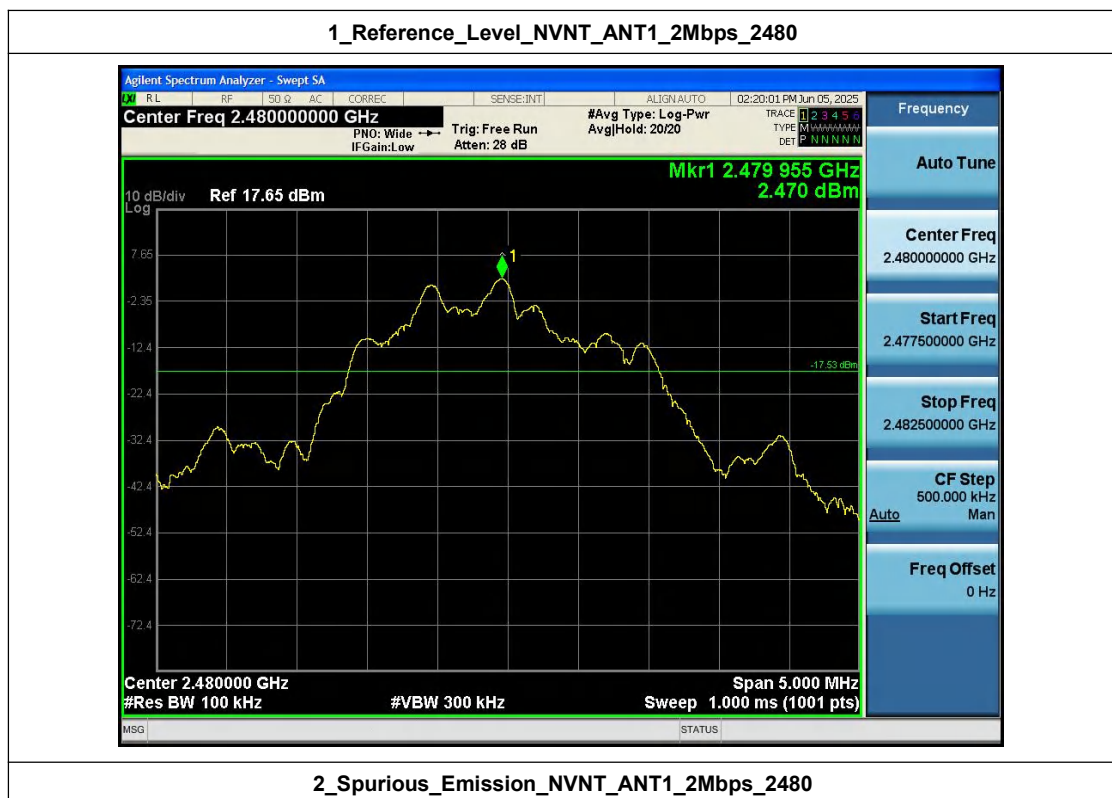


2_Spurious_Emission_NVNT_ANT1_2Mbps_2440





1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Spurious_Emission_NVNT_ANT1_2Mbps_2480



---END---

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