

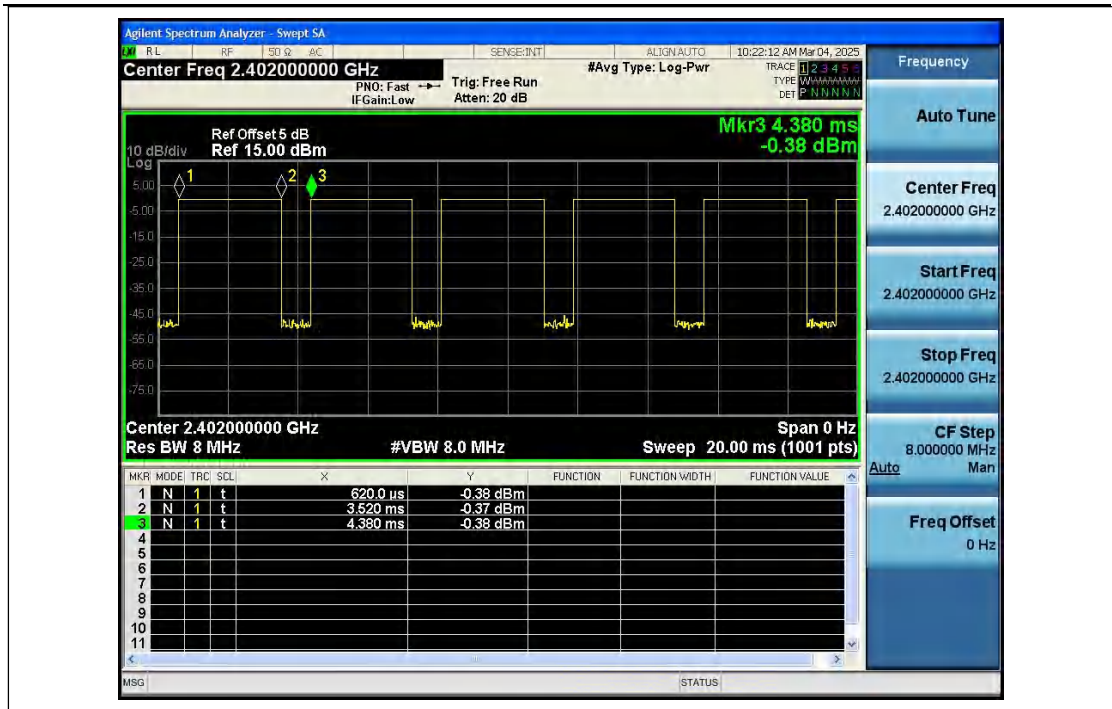
Appendix Test Data

Report No.:	1812C50058212501	Test Sample No.:	1-2-2
Start Test Date:	2025.2.28	Finish Test Date:	2025.3.4
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.8℃	Relative Humidity:	52%
Pressure:	101kPa		

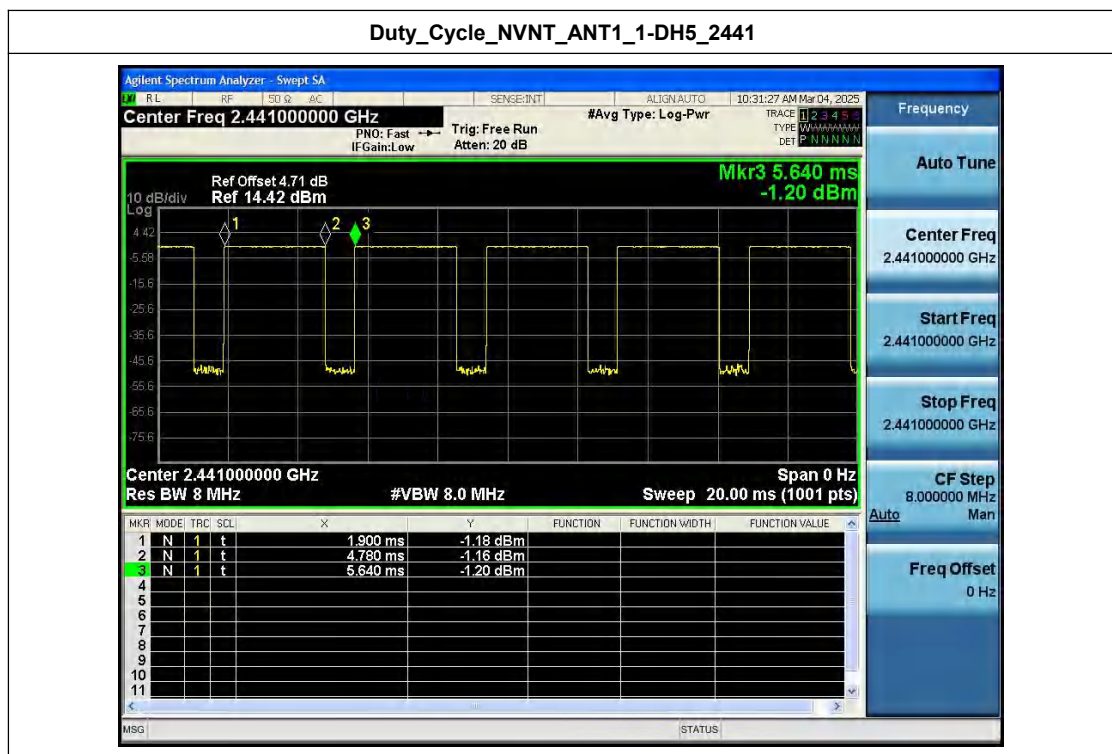
Appendix A: Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.13	1.13
NVNT	ANT1	1-DH5	2441.00	77.54	1.10
NVNT	ANT1	1-DH5	2480.00	77.66	1.10
NVNT	ANT1	2-DH5	2402.00	77.66	1.10
NVNT	ANT1	2-DH5	2441.00	77.13	1.13
NVNT	ANT1	2-DH5	2480.00	77.54	1.10
NVNT	ANT1	3-DH5	2402.00	77.54	1.10
NVNT	ANT1	3-DH5	2441.00	77.13	1.13
NVNT	ANT1	3-DH5	2480.00	77.66	1.10

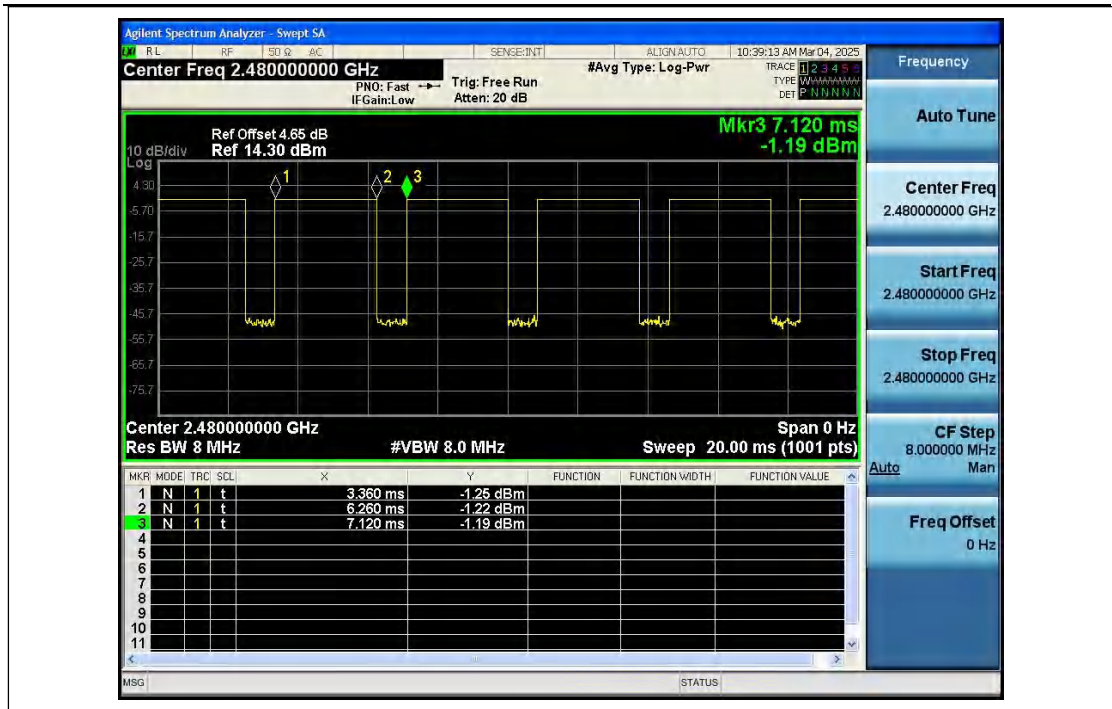
Duty_Cycle_NVNT_ANT1_1-DH5_2402



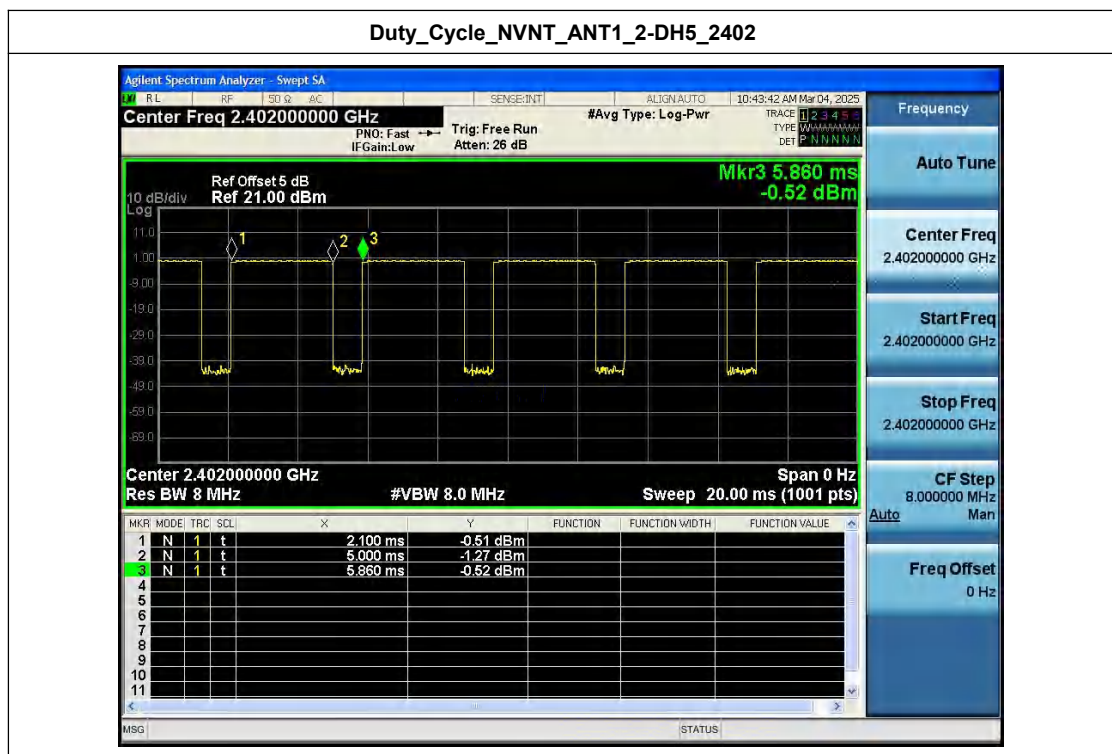
Duty_Cycle_NVNT_ANT1_1-DH5_2441



Duty_Cycle_NVNT_ANT1_1-DH5_2480



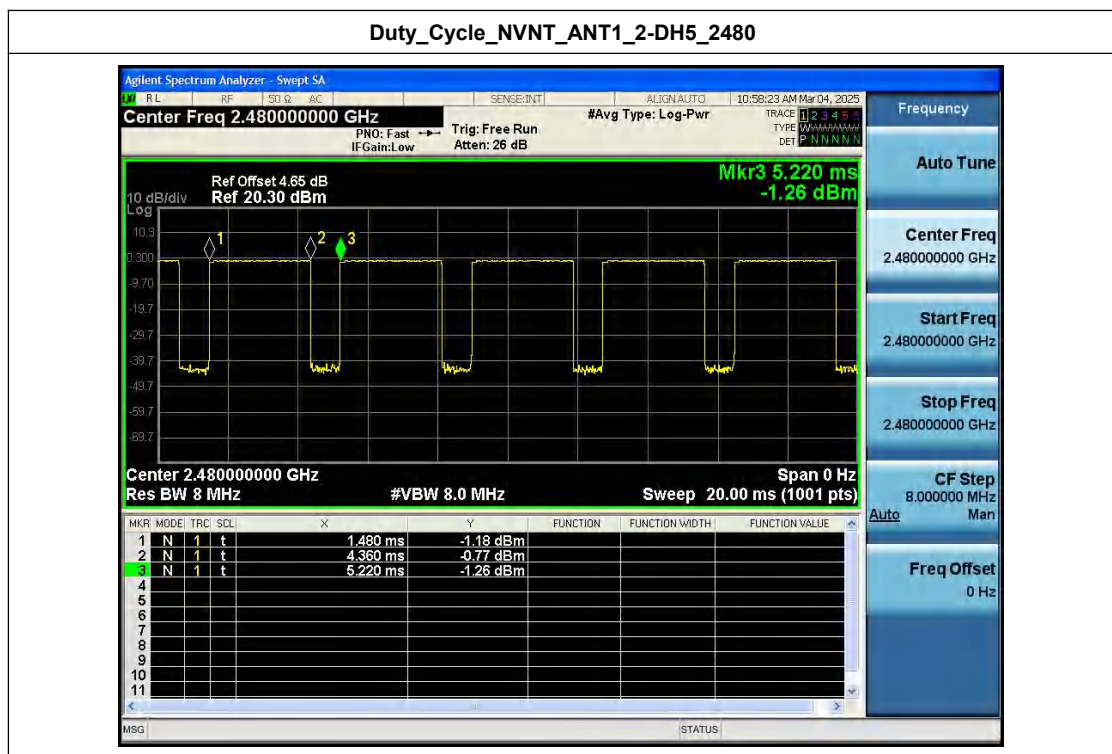
Duty_Cycle_NVNT_ANT1_2-DH5_2402



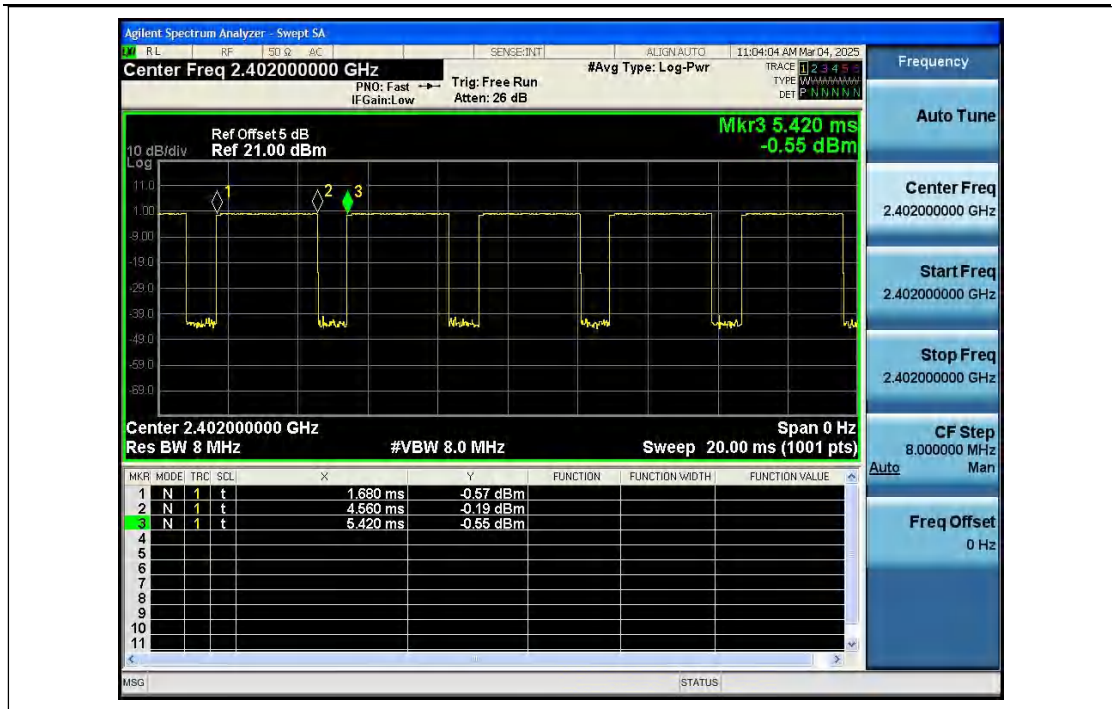
Duty_Cycle_NVNT_ANT1_2-DH5_2441



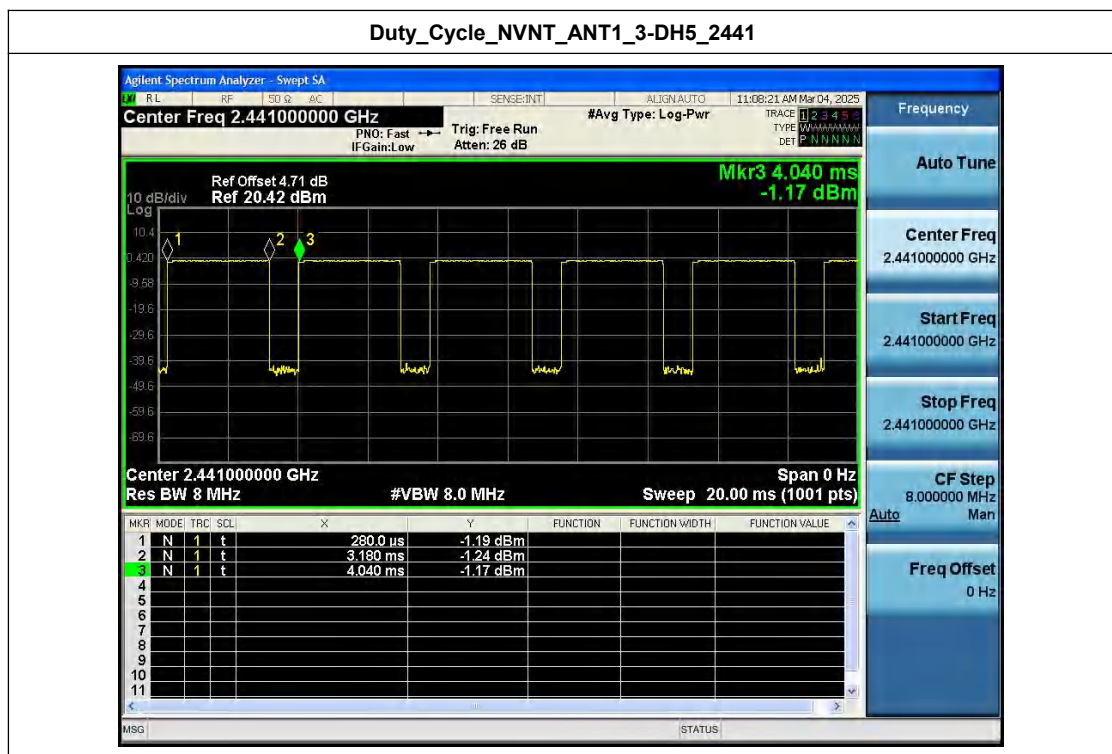
Duty_Cycle_NVNT_ANT1_2-DH5_2480



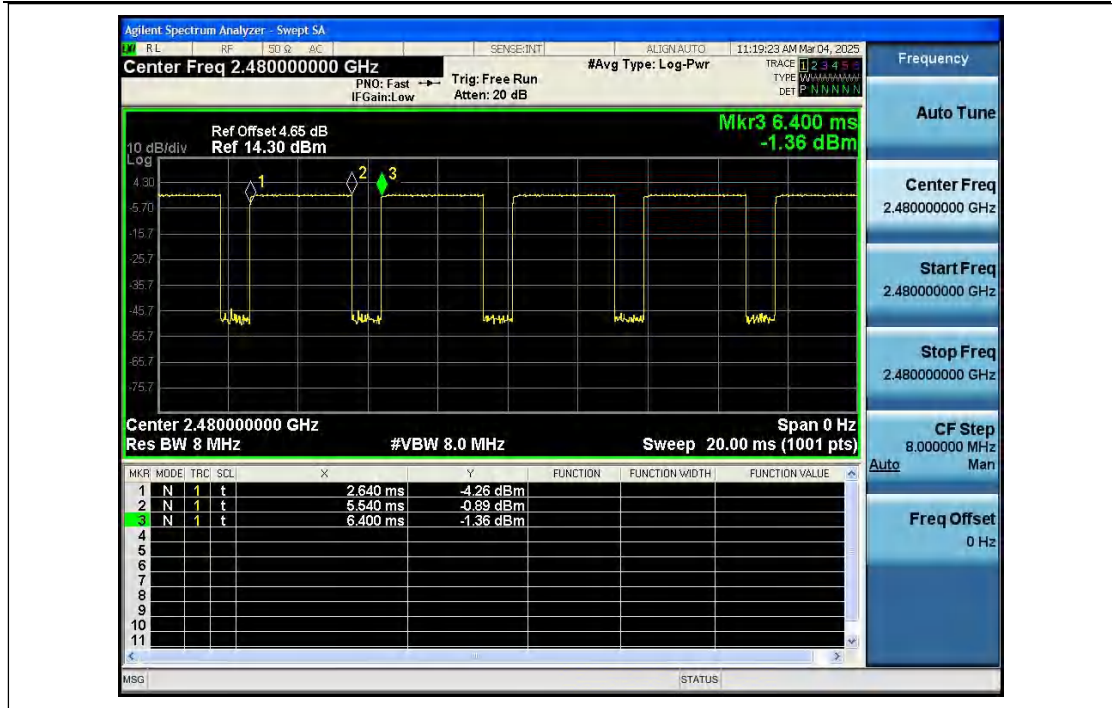
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.965	No
NVNT	ANT1	1-DH5	2441.00	1.007	Yes
NVNT	ANT1	1-DH5	2480.00	1.006	Yes
NVNT	ANT1	2-DH5	2402.00	1.322	Yes
NVNT	ANT1	2-DH5	2441.00	1.312	Yes
NVNT	ANT1	2-DH5	2480.00	1.318	Yes
NVNT	ANT1	3-DH5	2402.00	1.305	Yes
NVNT	ANT1	3-DH5	2441.00	1.303	Yes
NVNT	ANT1	3-DH5	2480.00	1.309	Yes

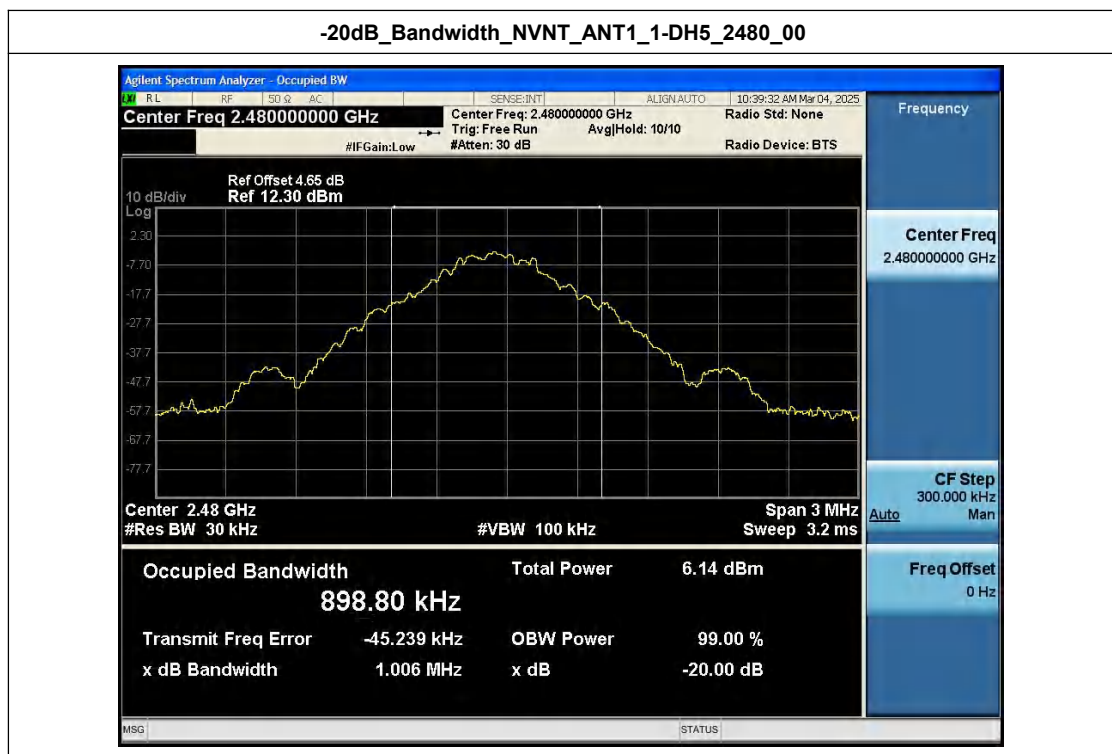
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-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



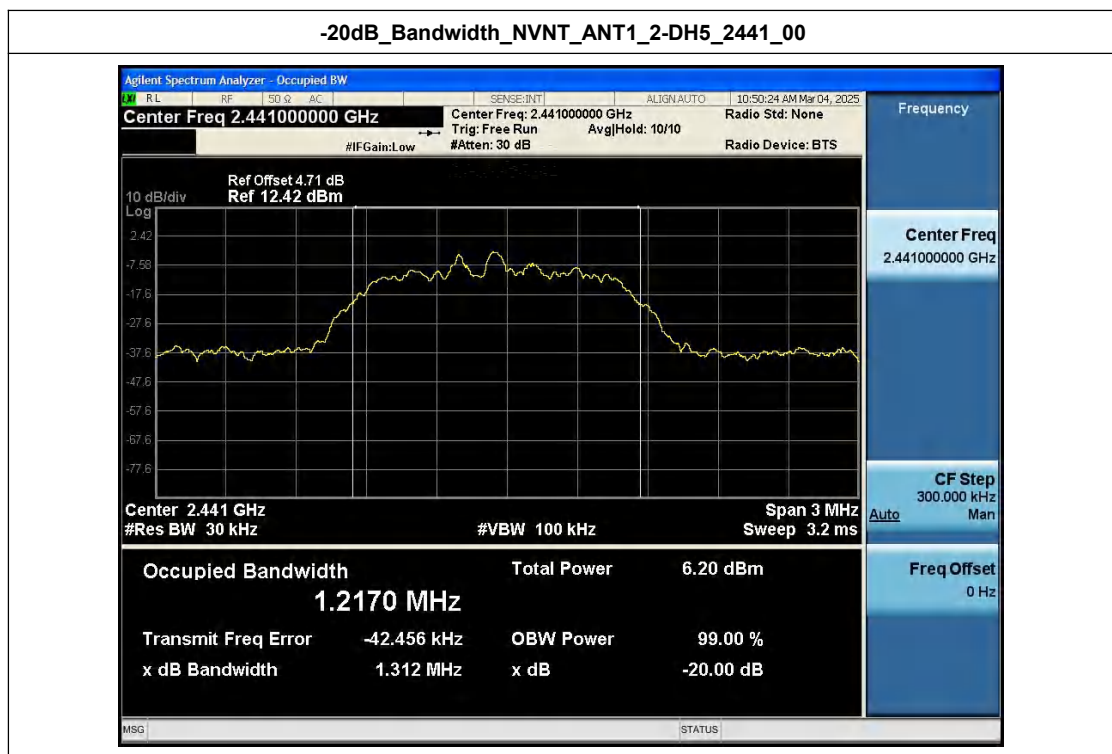
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00



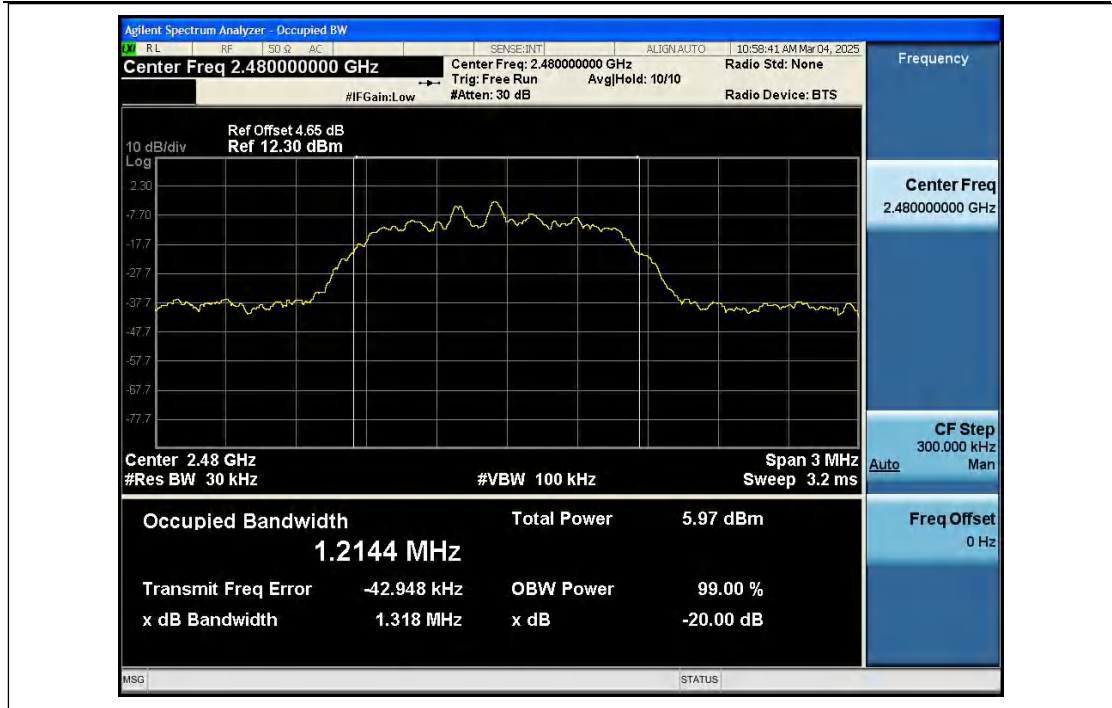
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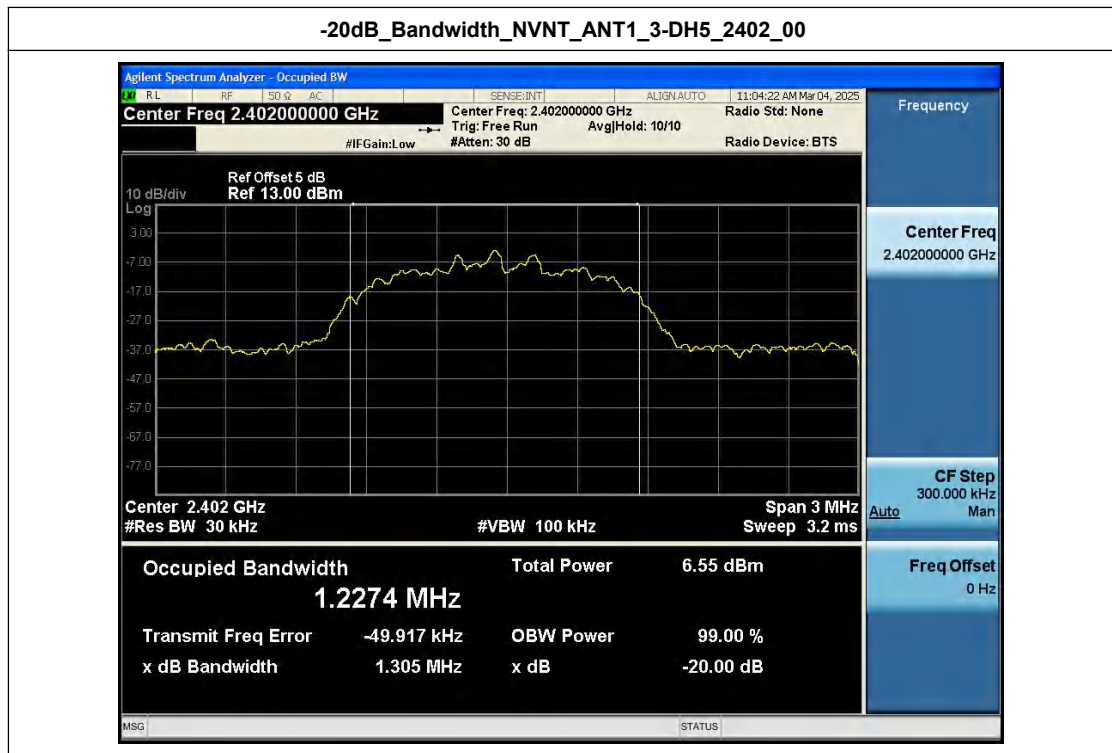
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-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



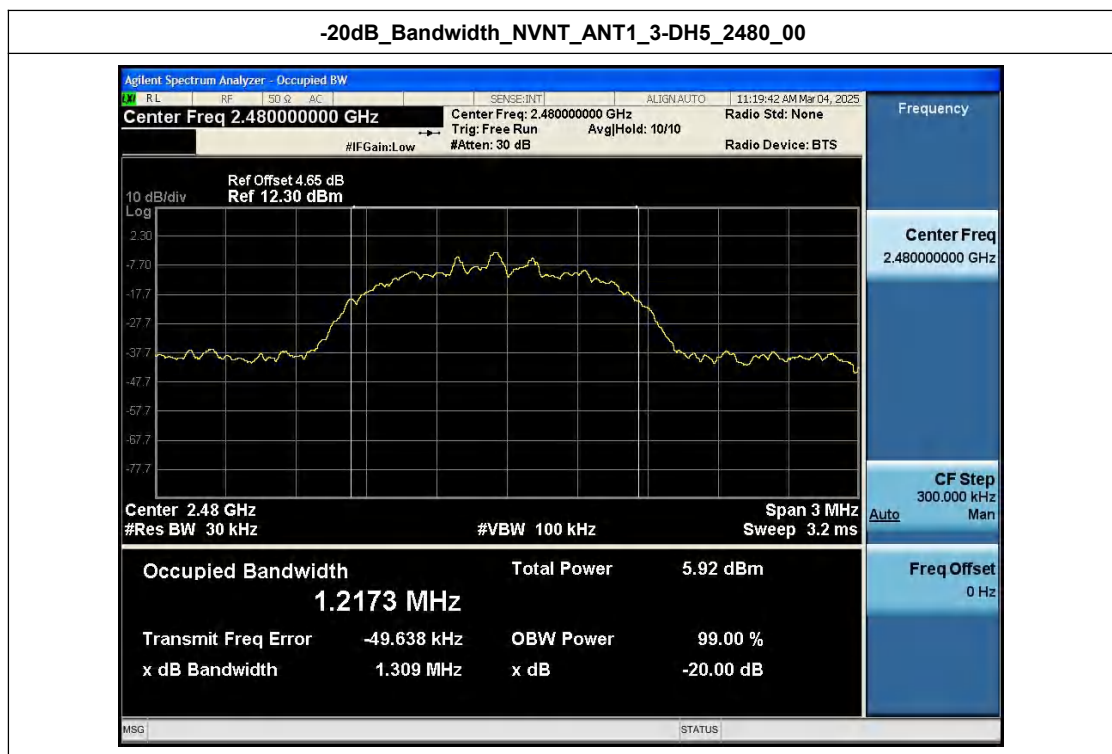
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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00



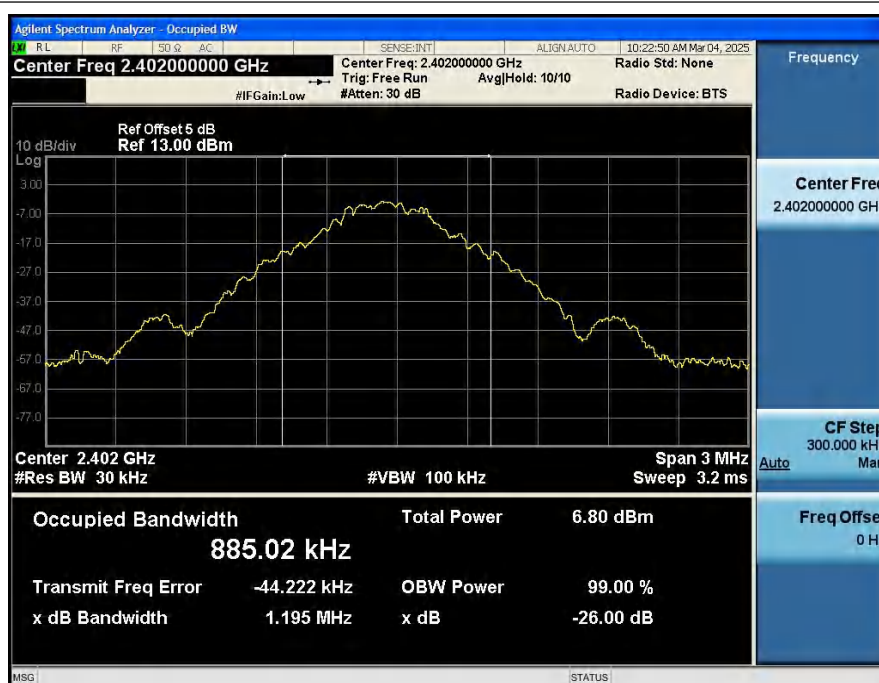
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.885
NVNT	ANT1	1-DH5	2441.00	0.897
NVNT	ANT1	1-DH5	2480.00	0.899
NVNT	ANT1	2-DH5	2402.00	1.223
NVNT	ANT1	2-DH5	2441.00	1.227
NVNT	ANT1	2-DH5	2480.00	1.215
NVNT	ANT1	3-DH5	2402.00	1.226
NVNT	ANT1	3-DH5	2441.00	1.223
NVNT	ANT1	3-DH5	2480.00	1.224

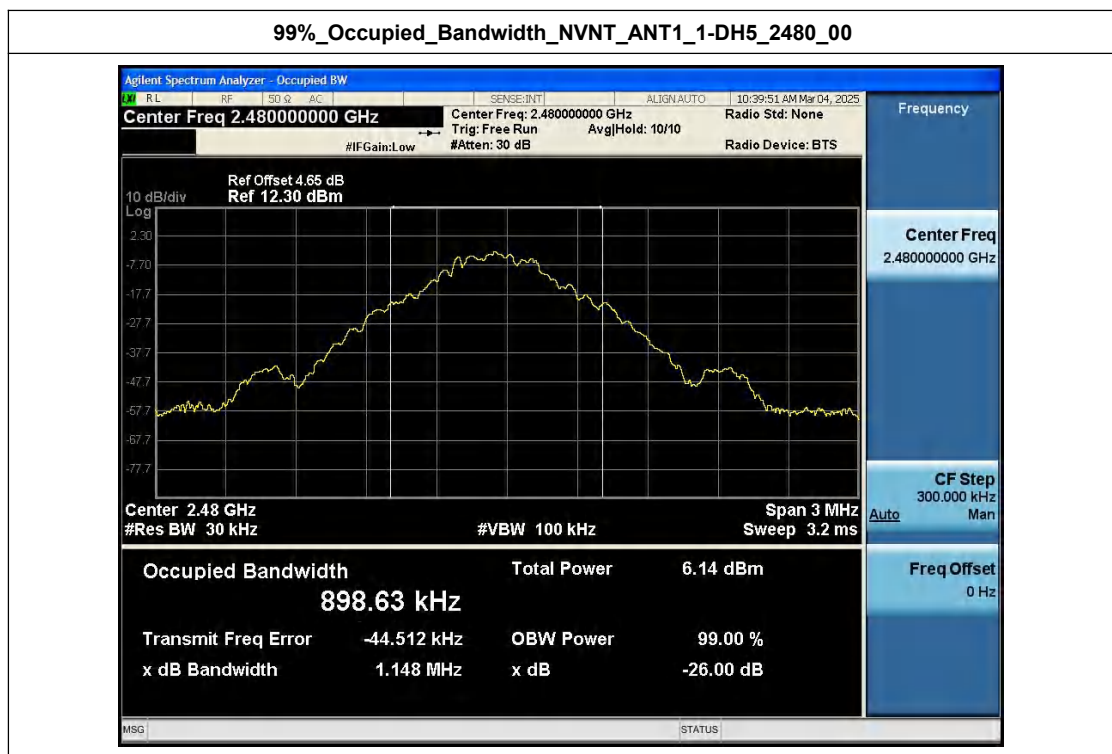
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00



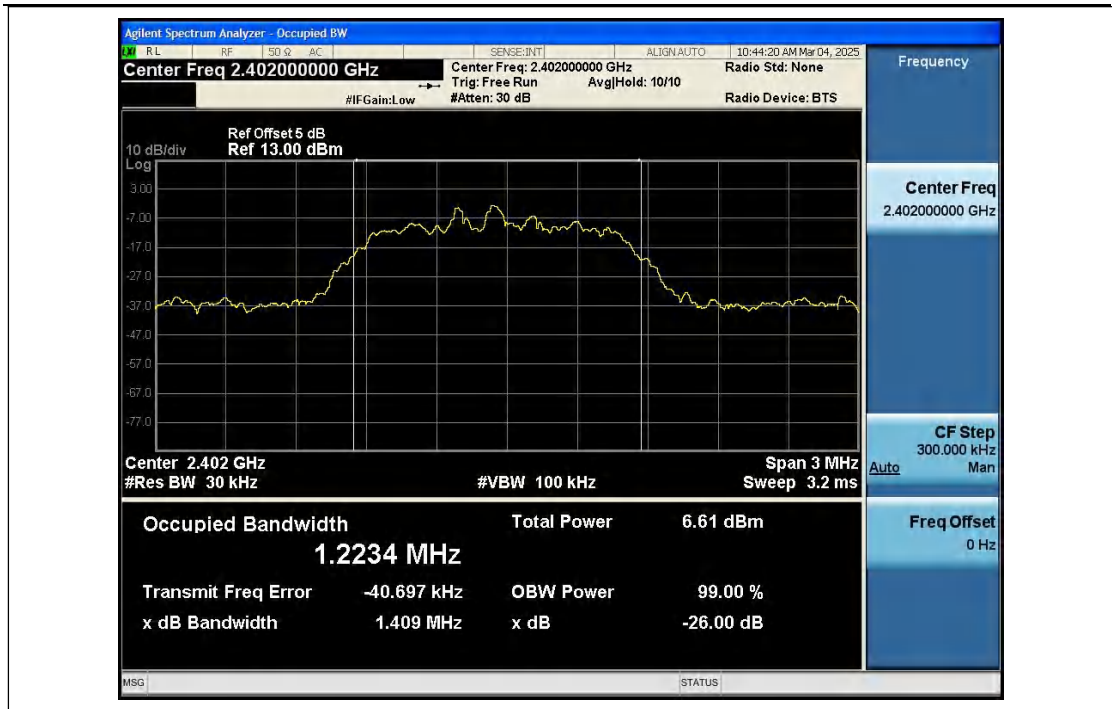
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



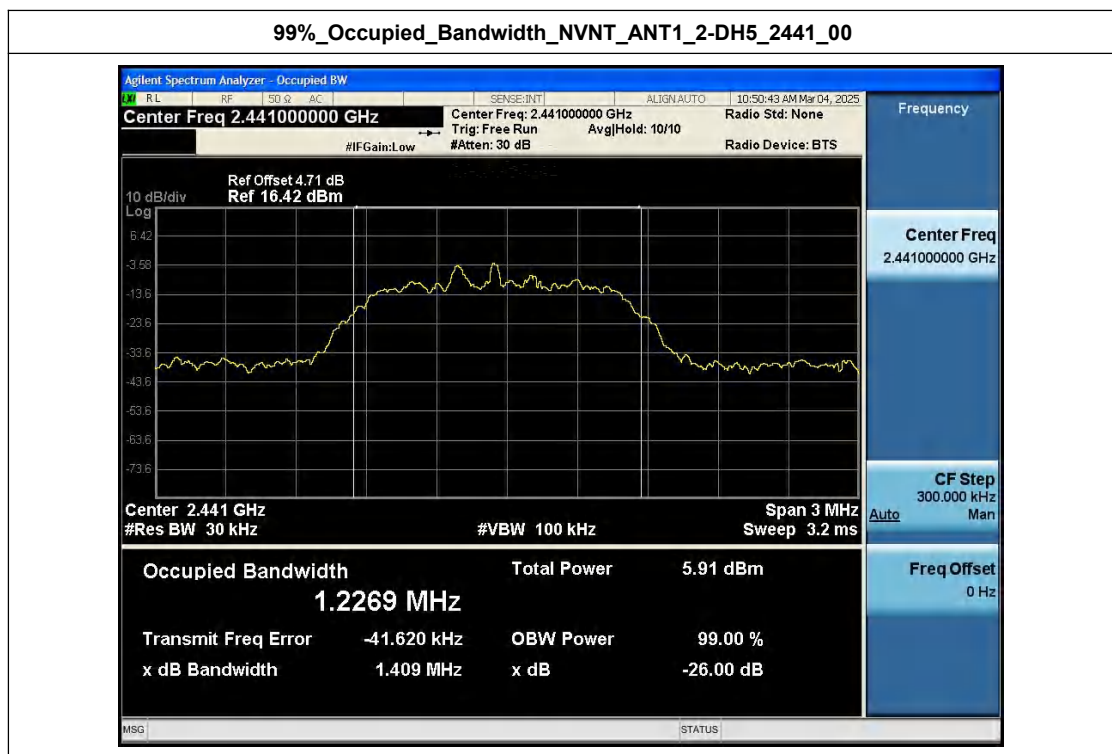
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



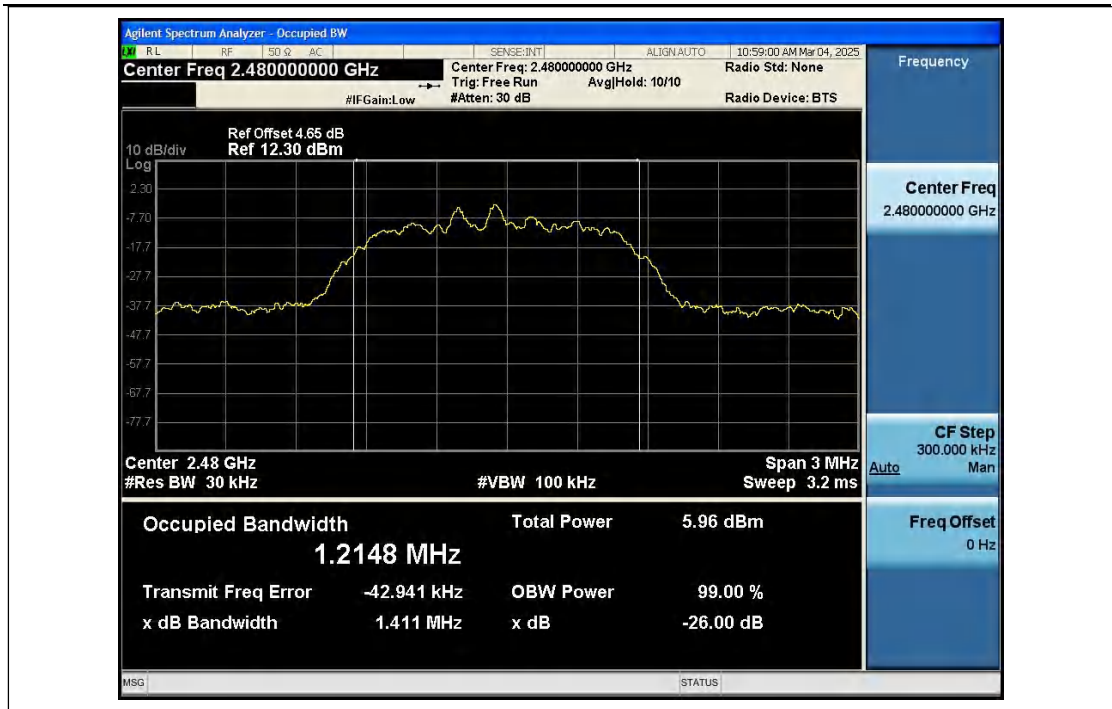
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



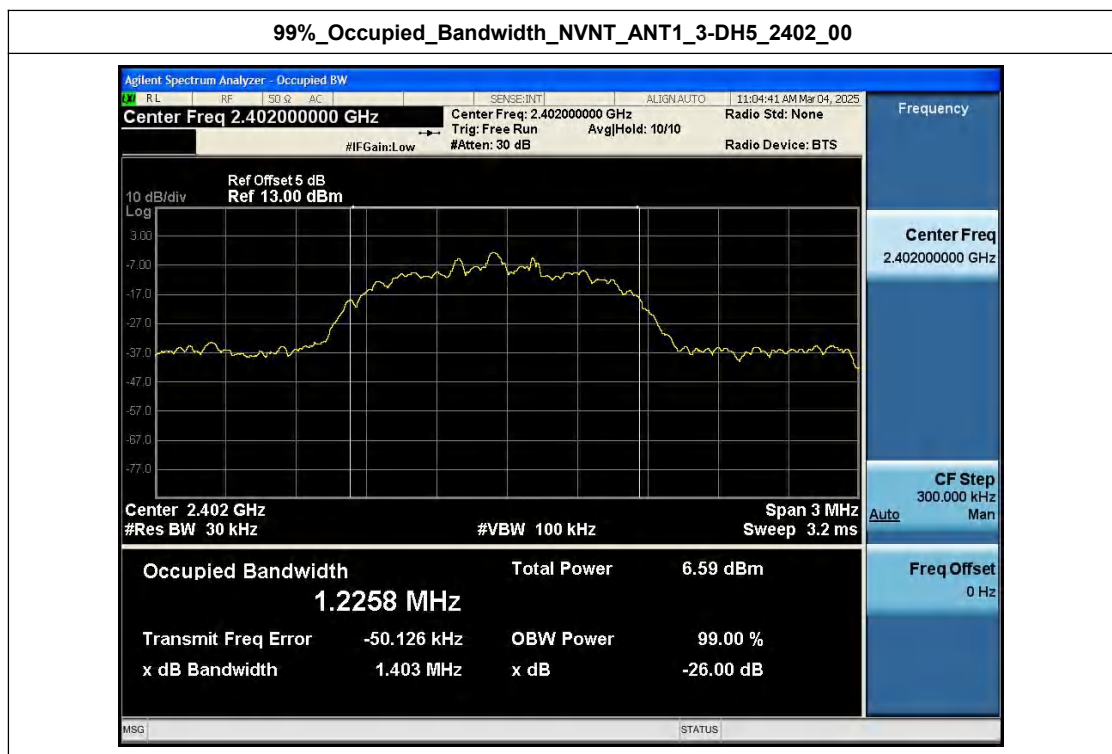
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



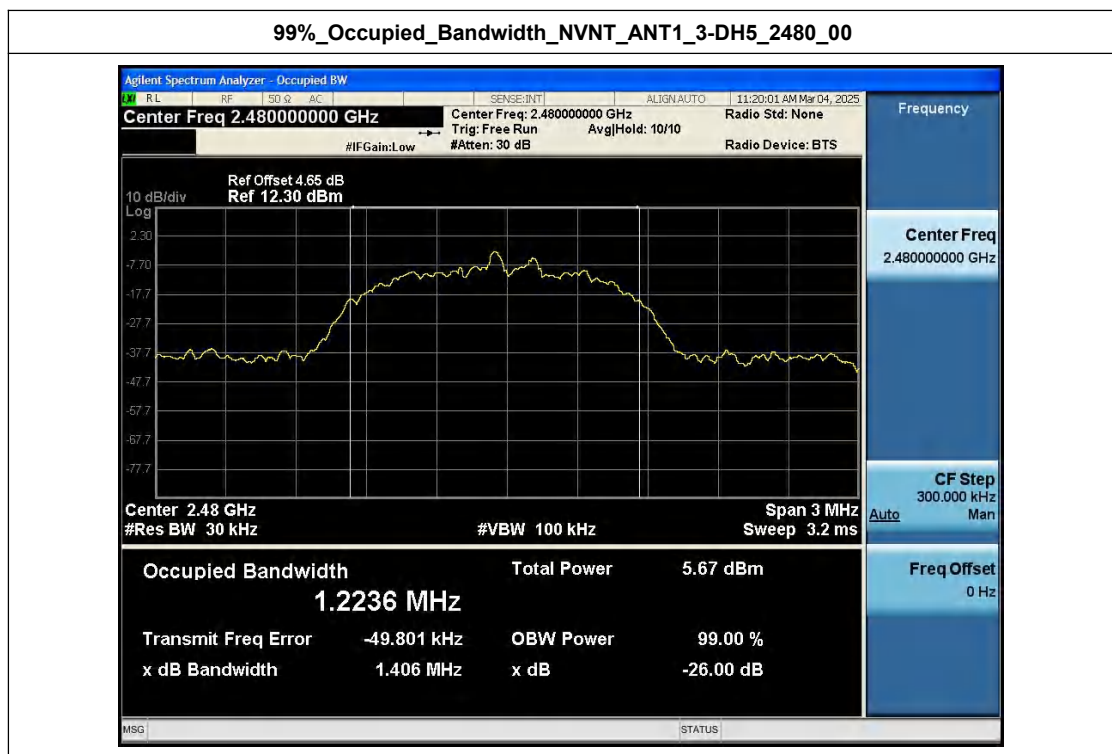
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix D: Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	-0.45	0.90	125	Pass
NVNT	ANT1	1-DH5	2441.00	-1.09	0.78	125	Pass
NVNT	ANT1	1-DH5	2480.00	-1.14	0.77	125	Pass
NVNT	ANT1	2-DH5	2402.00	0.03	1.01	125	Pass
NVNT	ANT1	2-DH5	2441.00	-0.59	0.87	125	Pass
NVNT	ANT1	2-DH5	2480.00	-0.64	0.86	125	Pass
NVNT	ANT1	3-DH5	2402.00	0.23	1.05	125	Pass
NVNT	ANT1	3-DH5	2441.00	-0.43	0.91	125	Pass
NVNT	ANT1	3-DH5	2480.00	-0.51	0.89	125	Pass

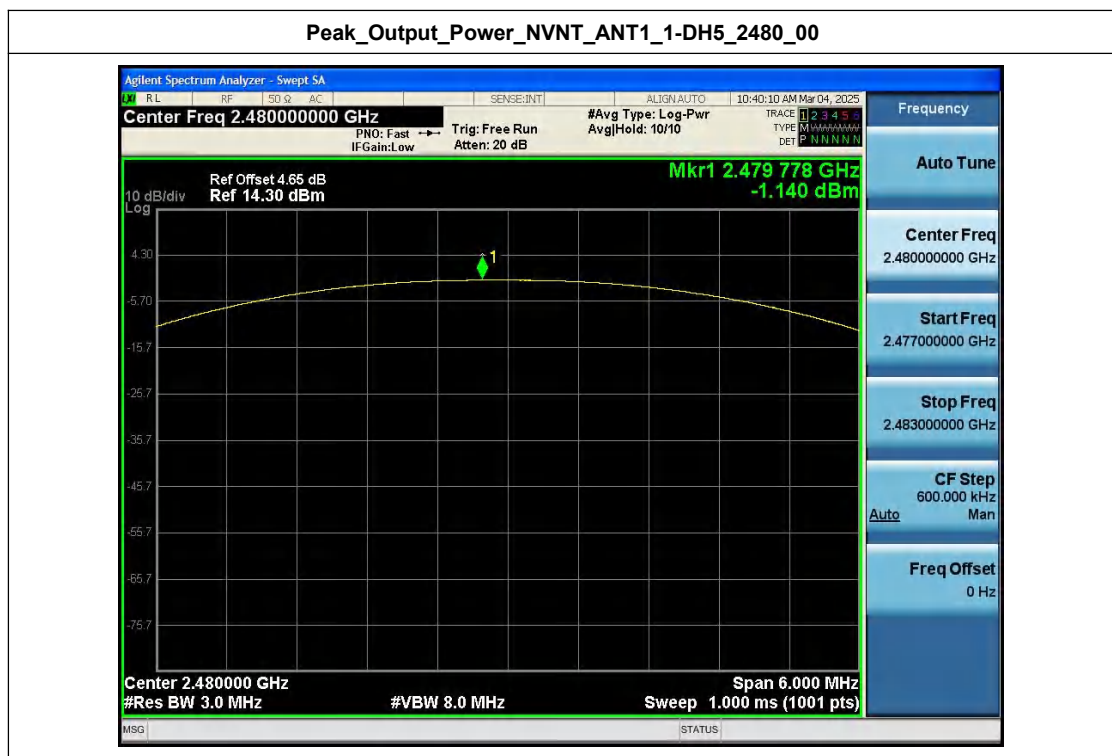
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Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



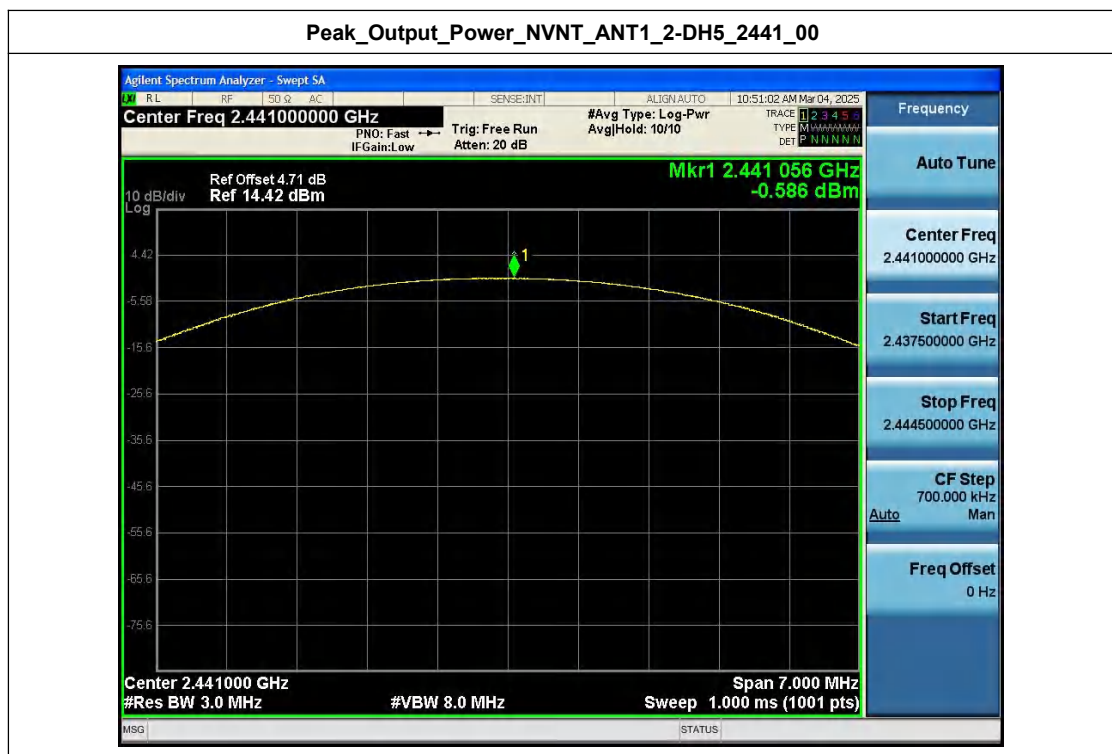
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



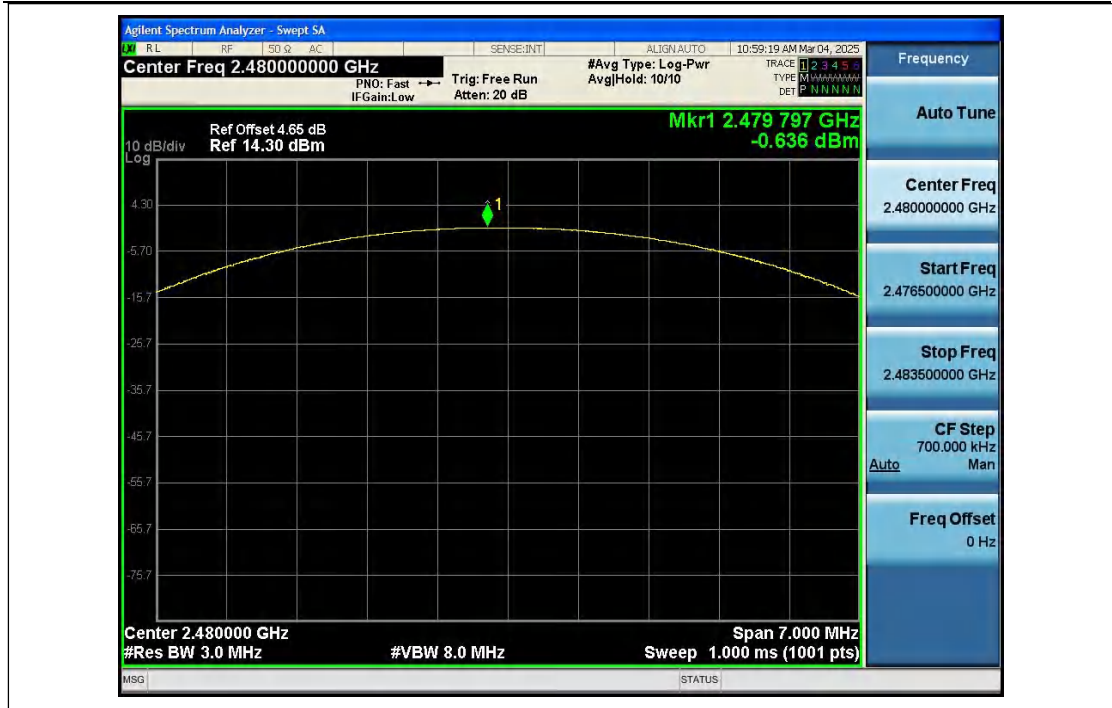
Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



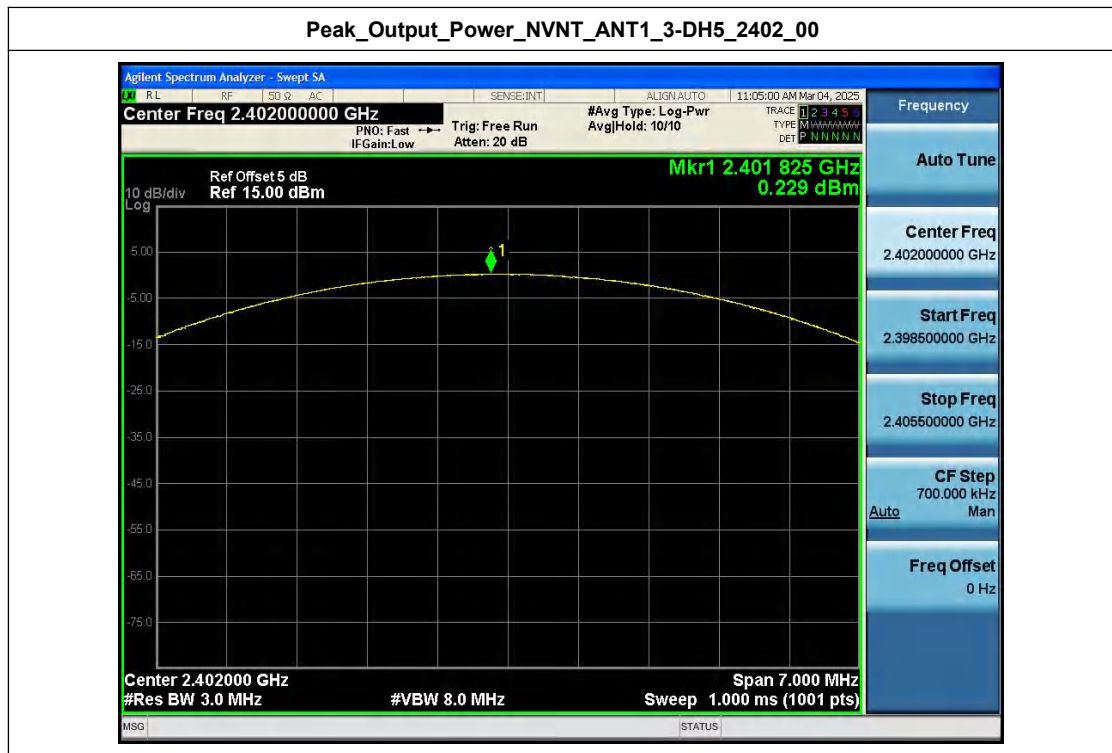
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00

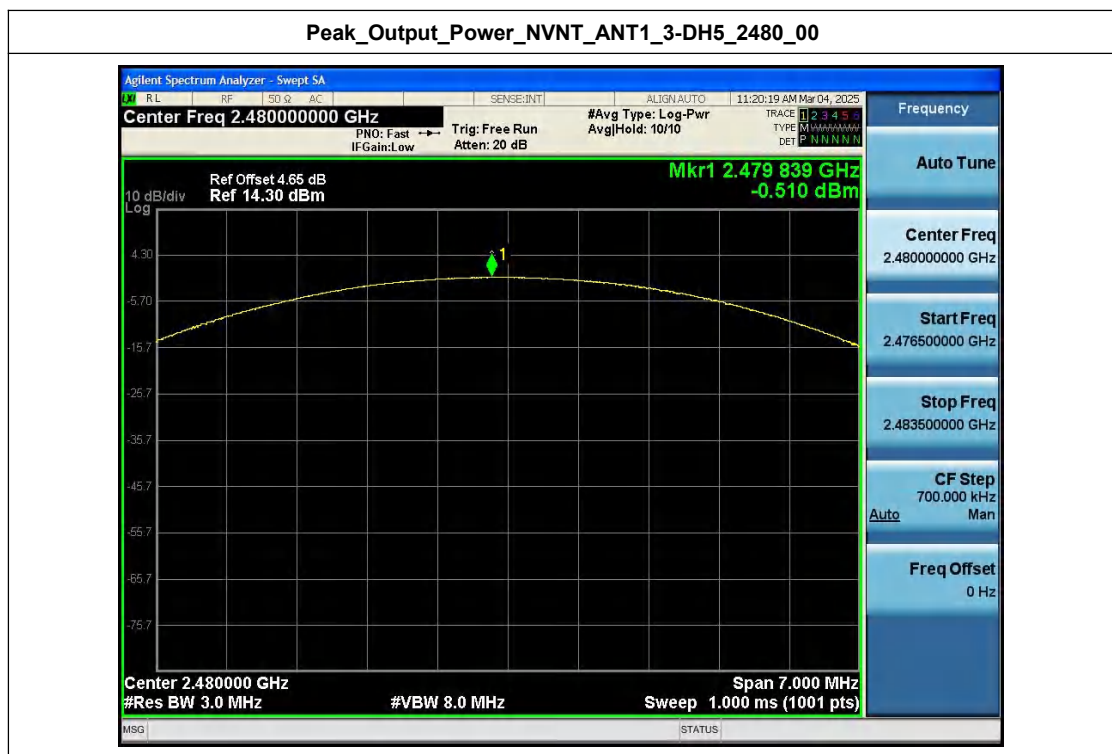


Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



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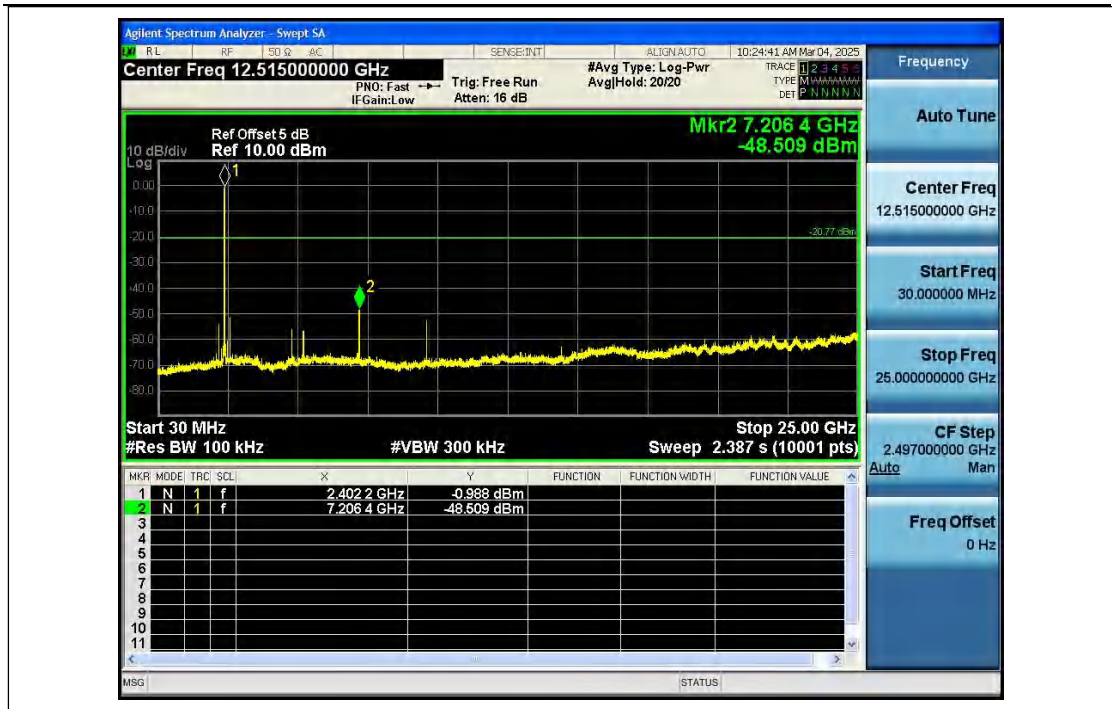
Appendix E: Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-0.769	-48.509	-20.769	Pass
NVNT	ANT1	1-DH5	2441.00	-1.307	-48.368	-21.307	Pass
NVNT	ANT1	1-DH5	2480.00	-1.318	-48.766	-21.318	Pass
NVNT	ANT1	2-DH5	2402.00	-0.627	-52.113	-20.627	Pass
NVNT	ANT1	2-DH5	2441.00	-1.322	-48.368	-21.322	Pass
NVNT	ANT1	2-DH5	2480.00	-1.390	-48.372	-21.390	Pass
NVNT	ANT1	3-DH5	2402.00	-0.625	-52.723	-20.625	Pass
NVNT	ANT1	3-DH5	2441.00	-1.268	-50.957	-21.268	Pass
NVNT	ANT1	3-DH5	2480.00	-1.520	-47.731	-21.520	Pass

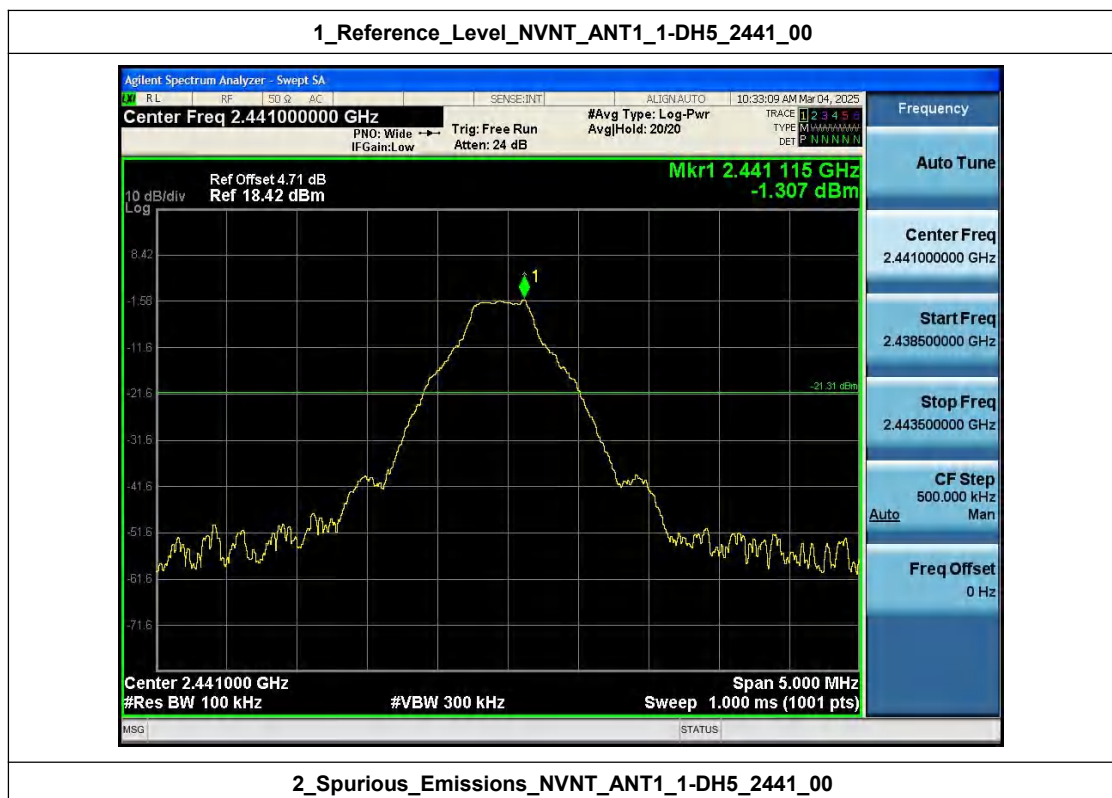
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



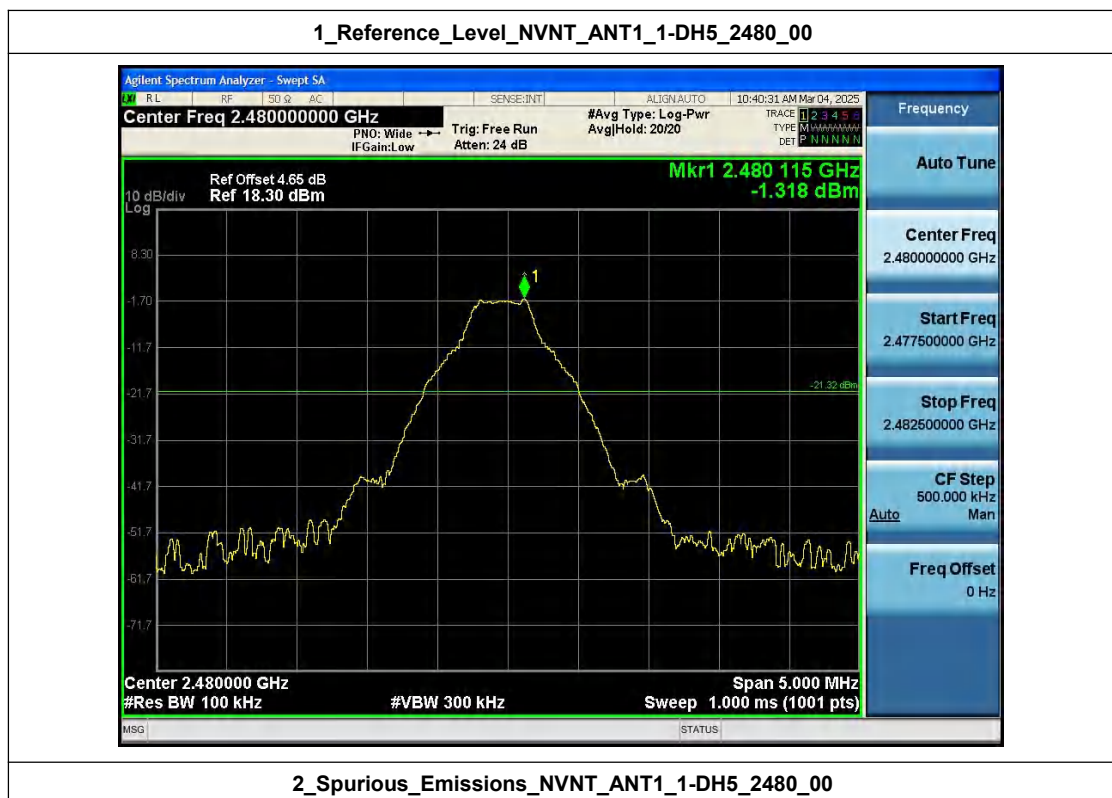
1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



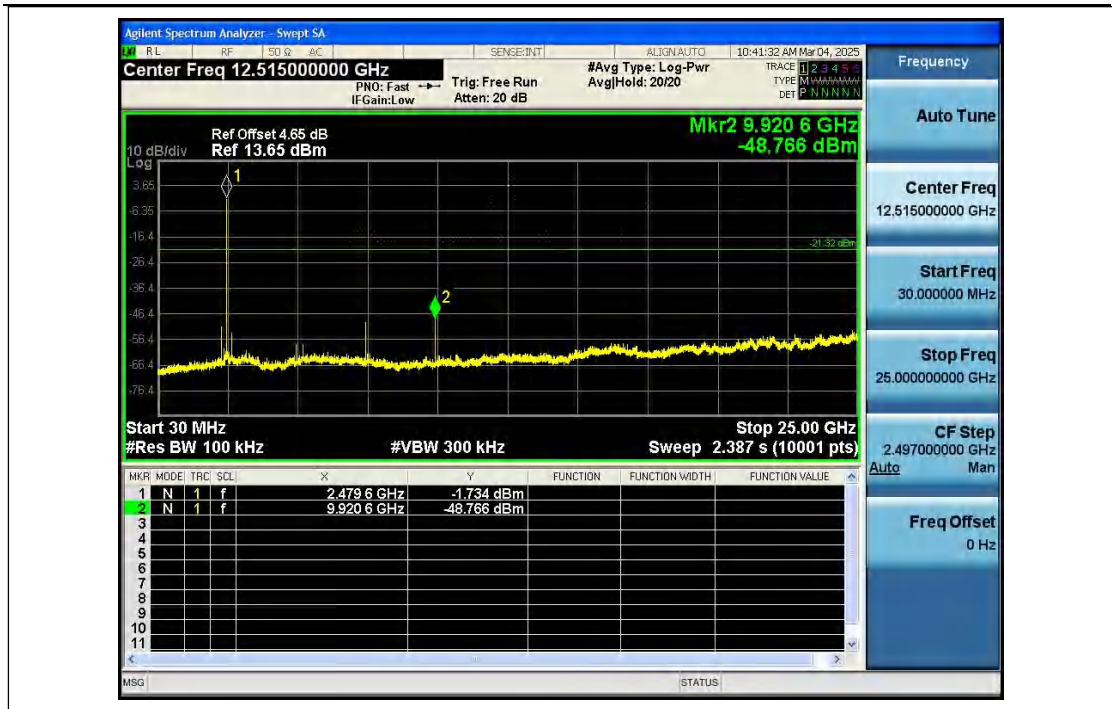
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00



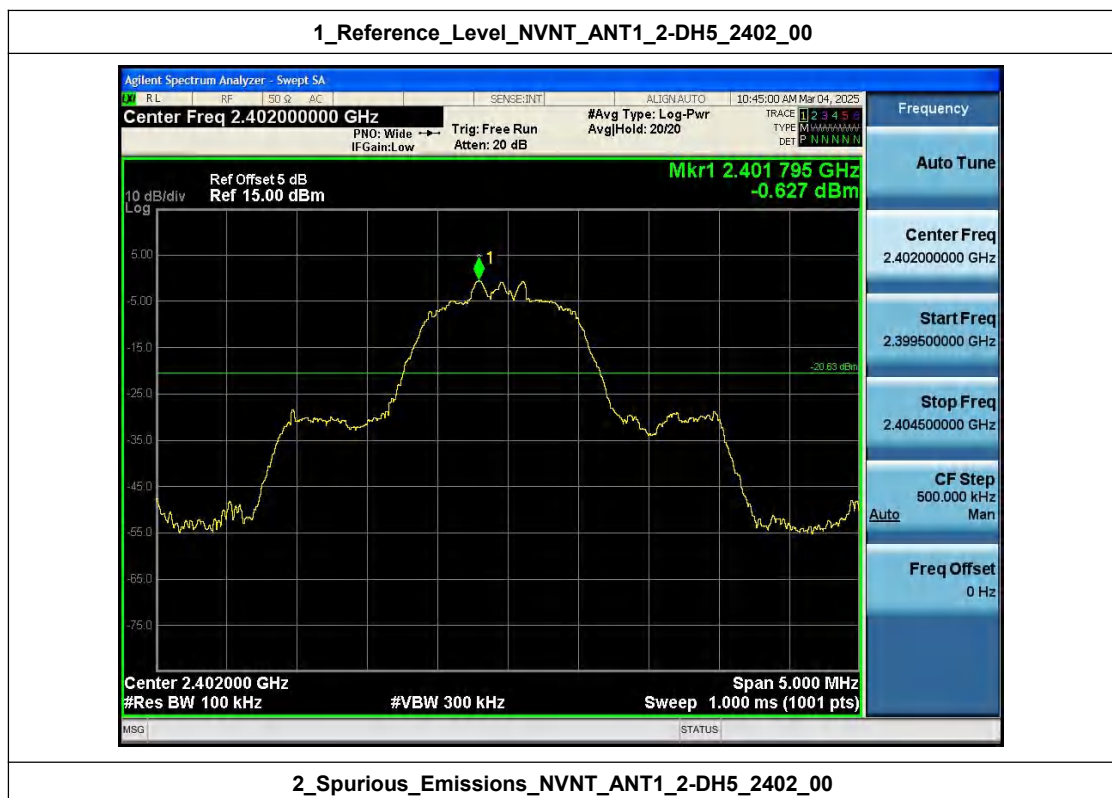
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



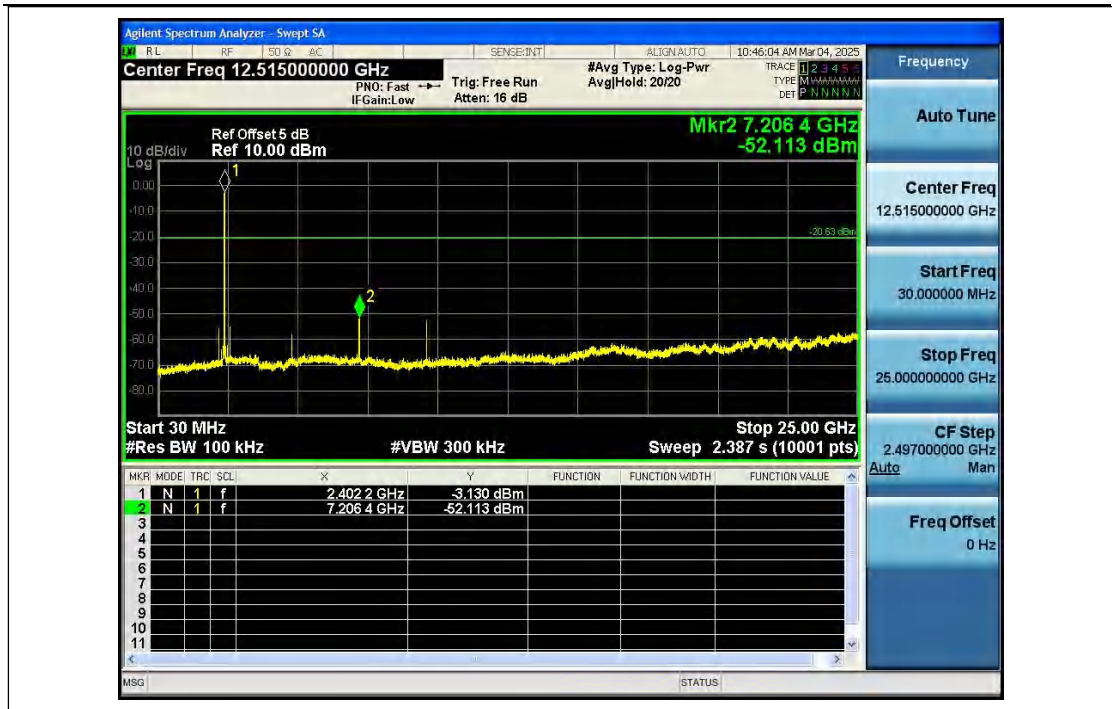
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



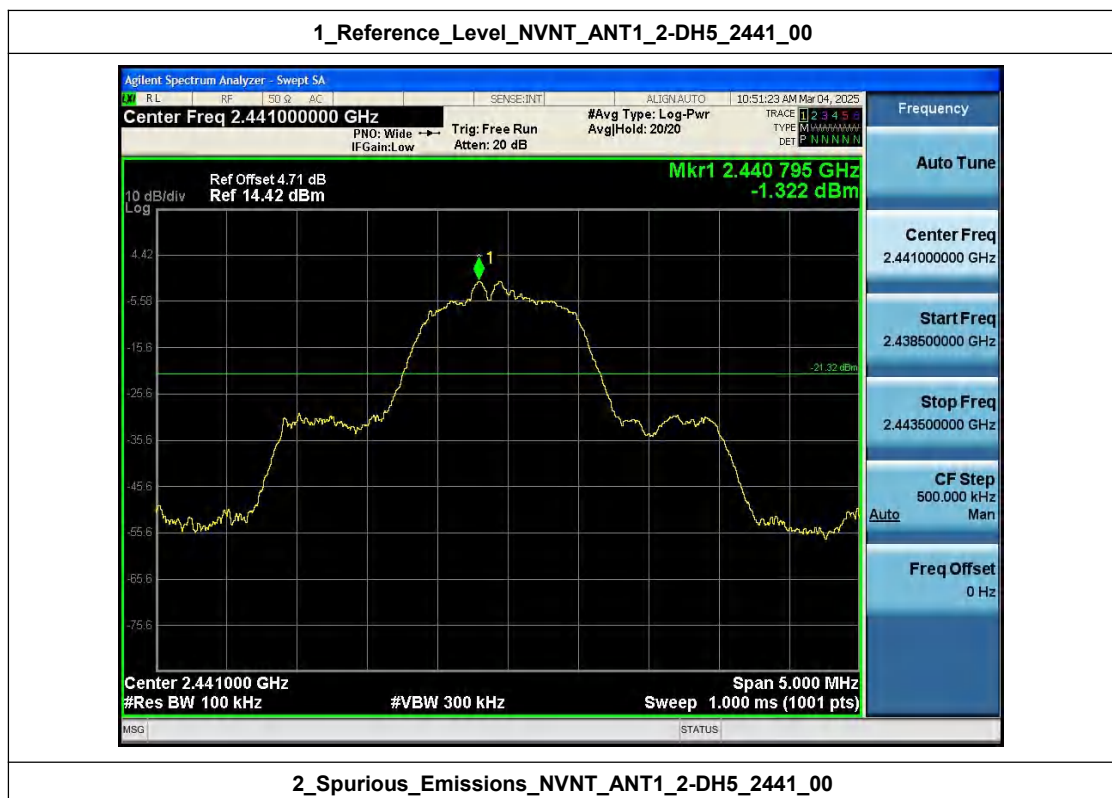
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



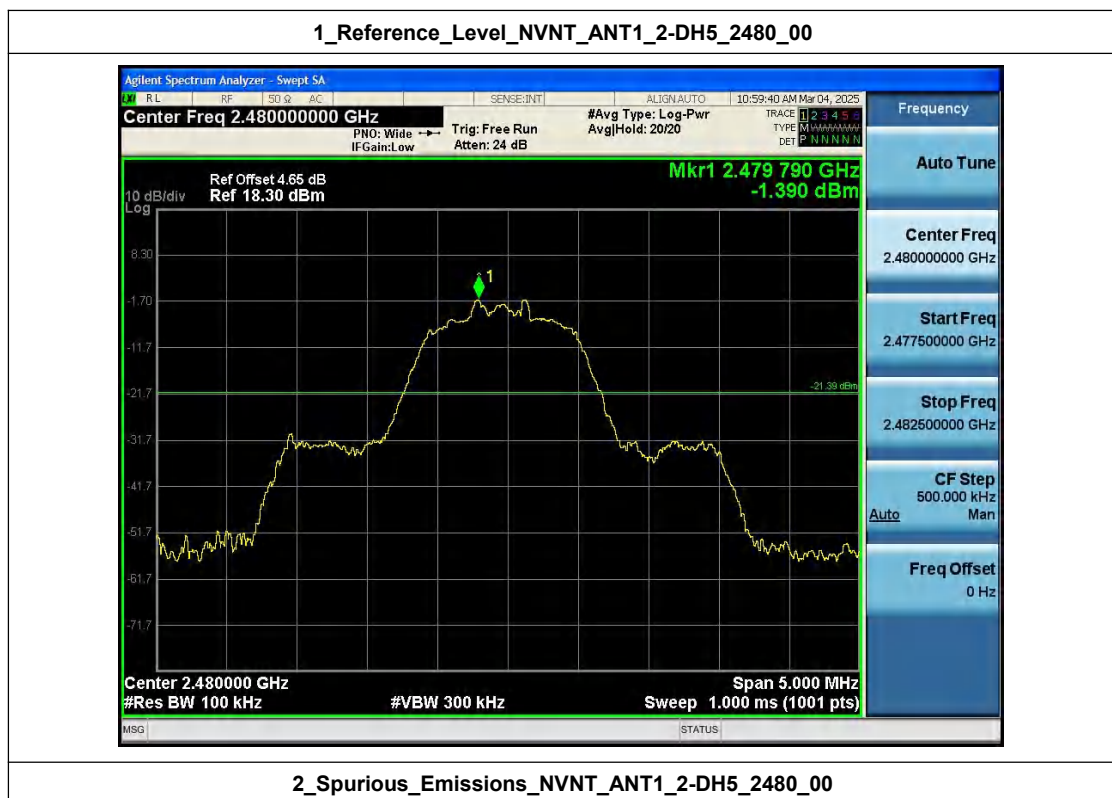
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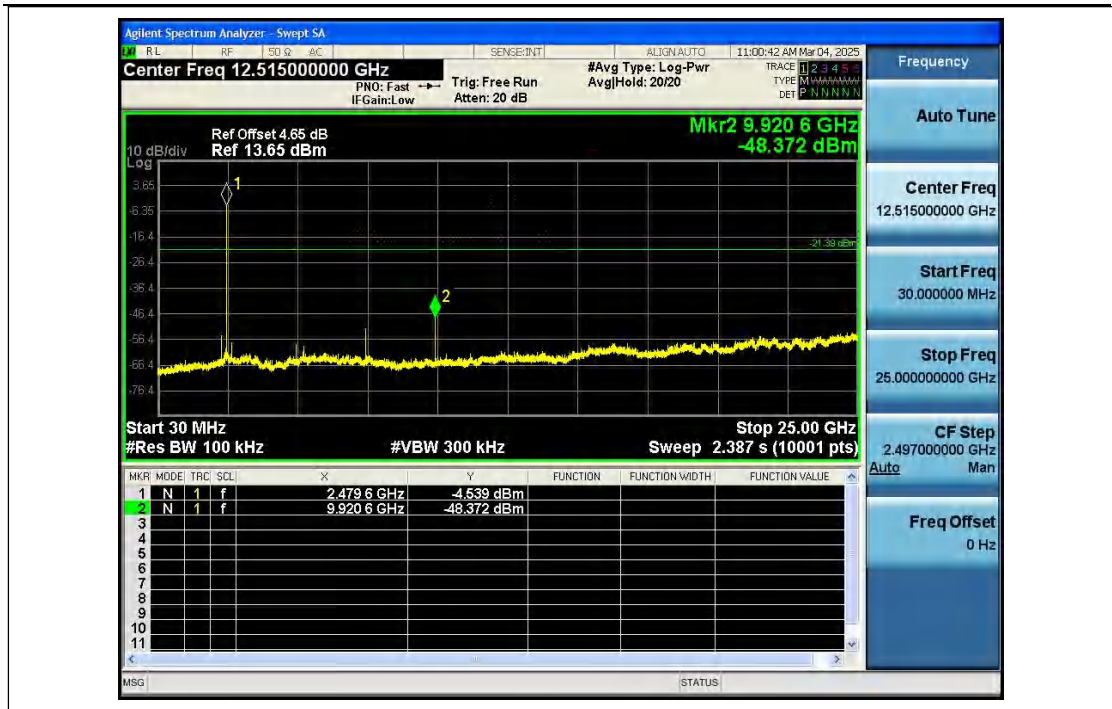
2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00



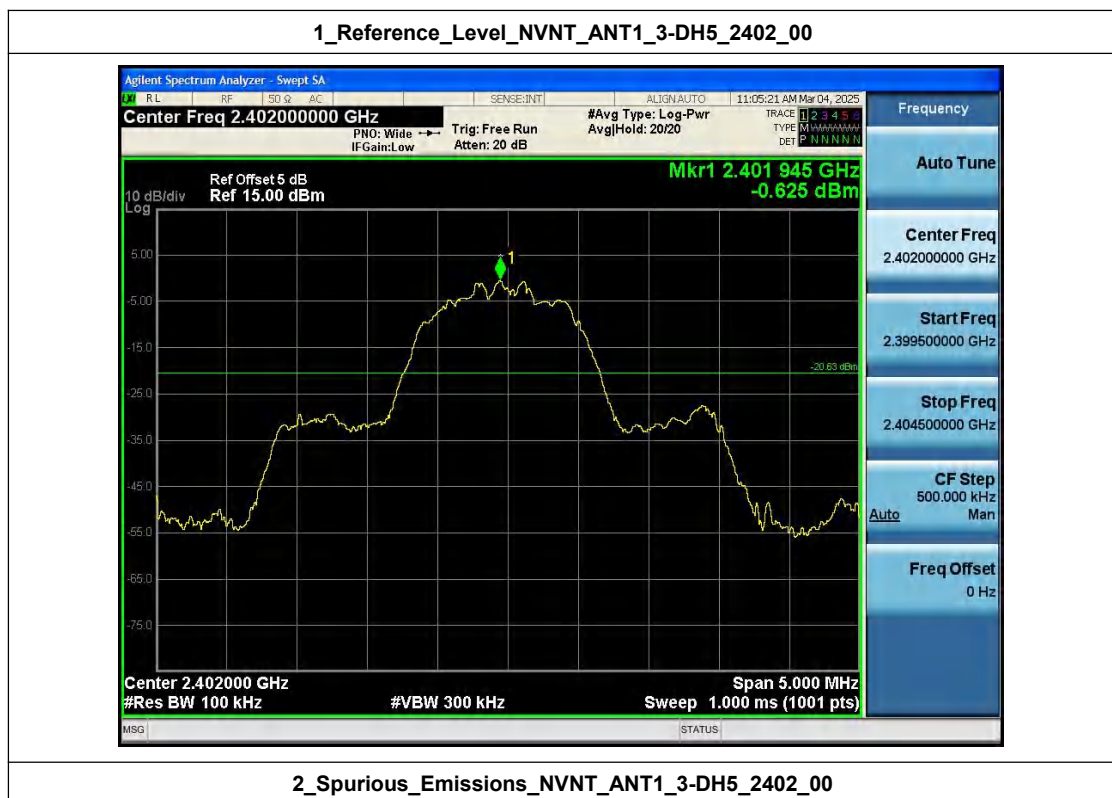
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

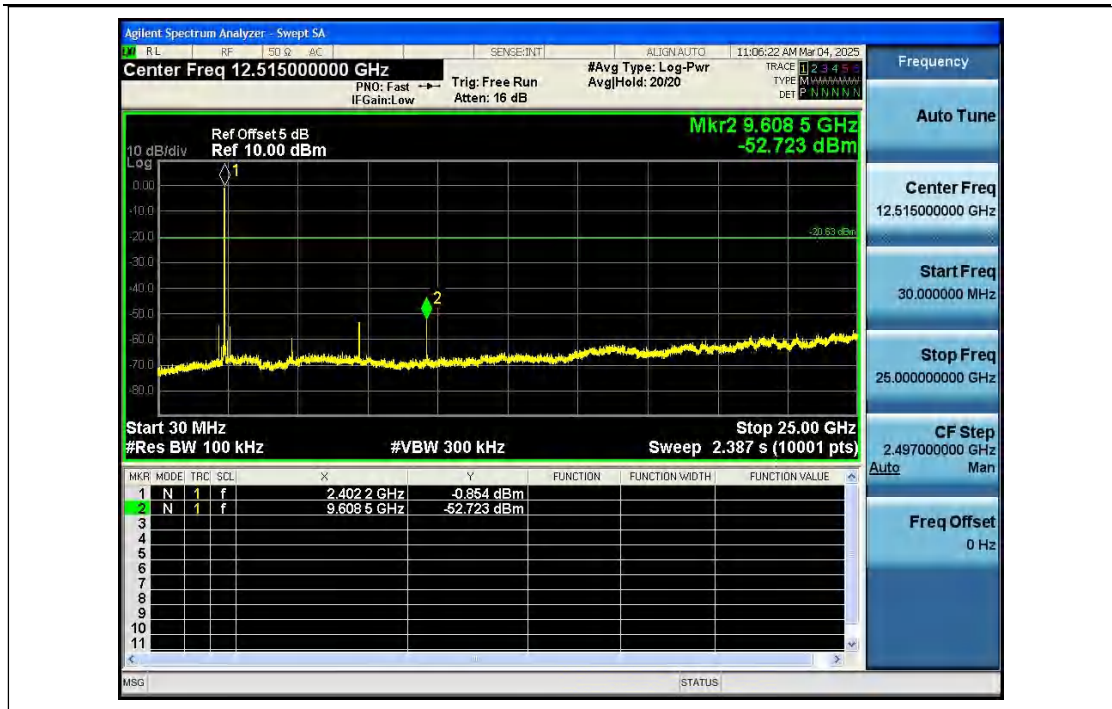


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00

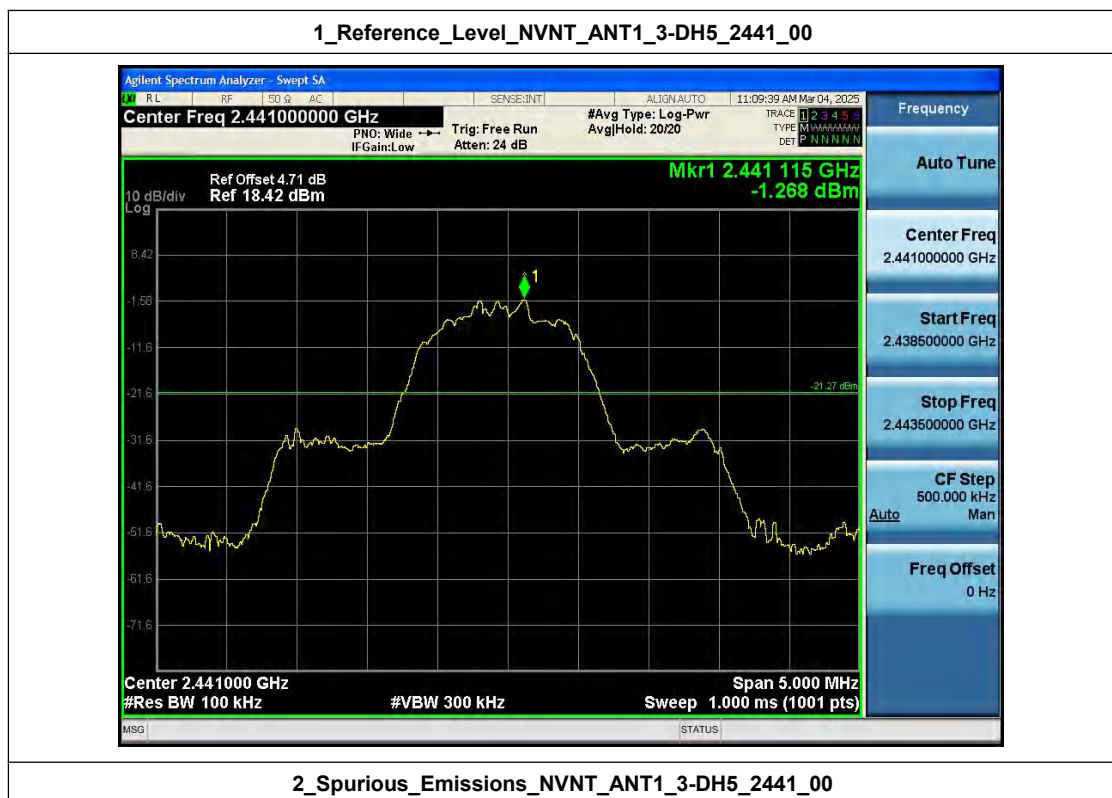
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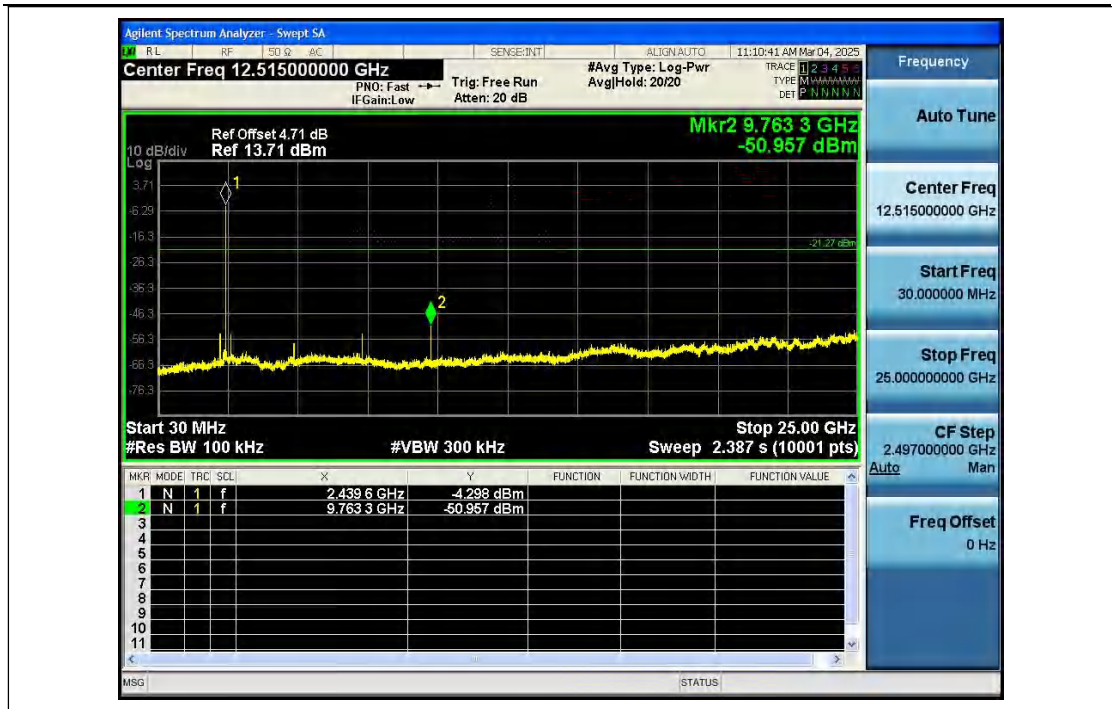
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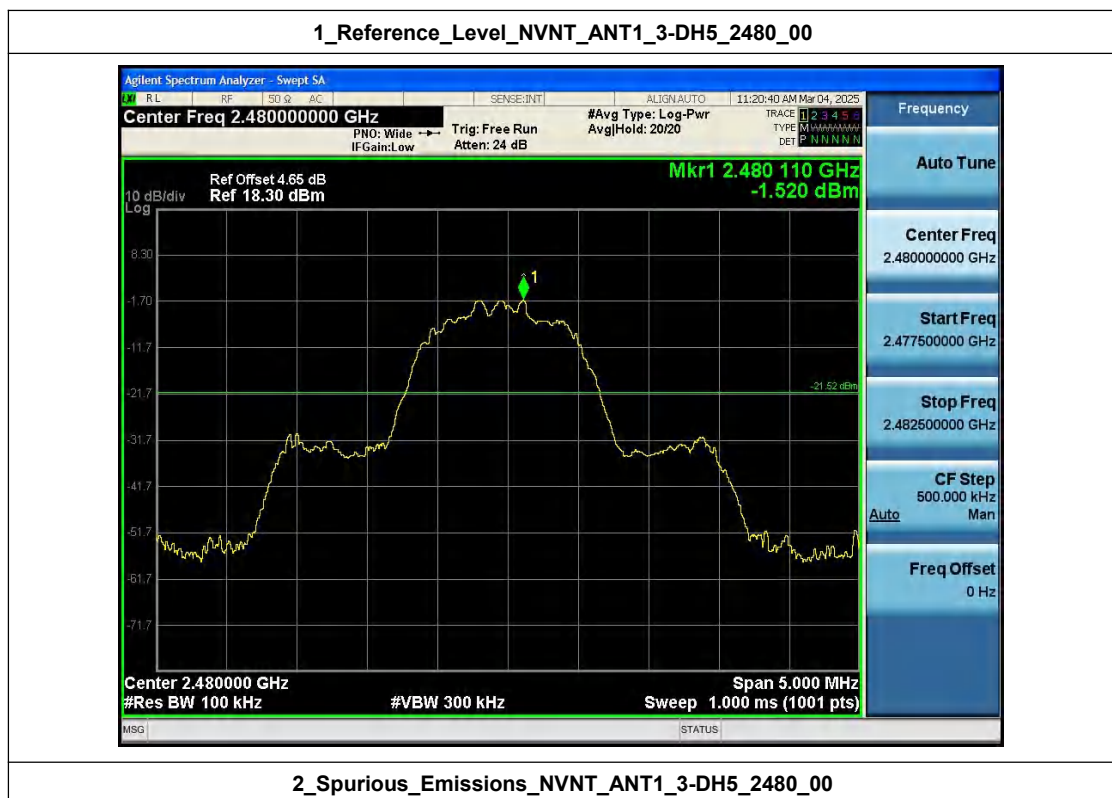
1_Reference_Level_NVNT_ANT1_3-DH5_2441_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00





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Appendix F: Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-0.769	-50.165	-20.769	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-0.603	-53.229	-20.603	Pass
NVNT	ANT1	1-DH5	2480.00	-1.318	-60.896	-21.318	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-1.168	-61.732	-21.168	Pass
NVNT	ANT1	2-DH5	2402.00	-0.627	-49.039	-20.627	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-0.757	-51.421	-20.757	Pass
NVNT	ANT1	2-DH5	2480.00	-1.390	-61.585	-21.390	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-1.230	-61.339	-21.230	Pass
NVNT	ANT1	3-DH5	2402.00	-0.625	-48.619	-20.625	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-0.717	-52.524	-20.717	Pass
NVNT	ANT1	3-DH5	2480.00	-1.520	-60.306	-21.520	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-1.295	-60.836	-21.295	Pass

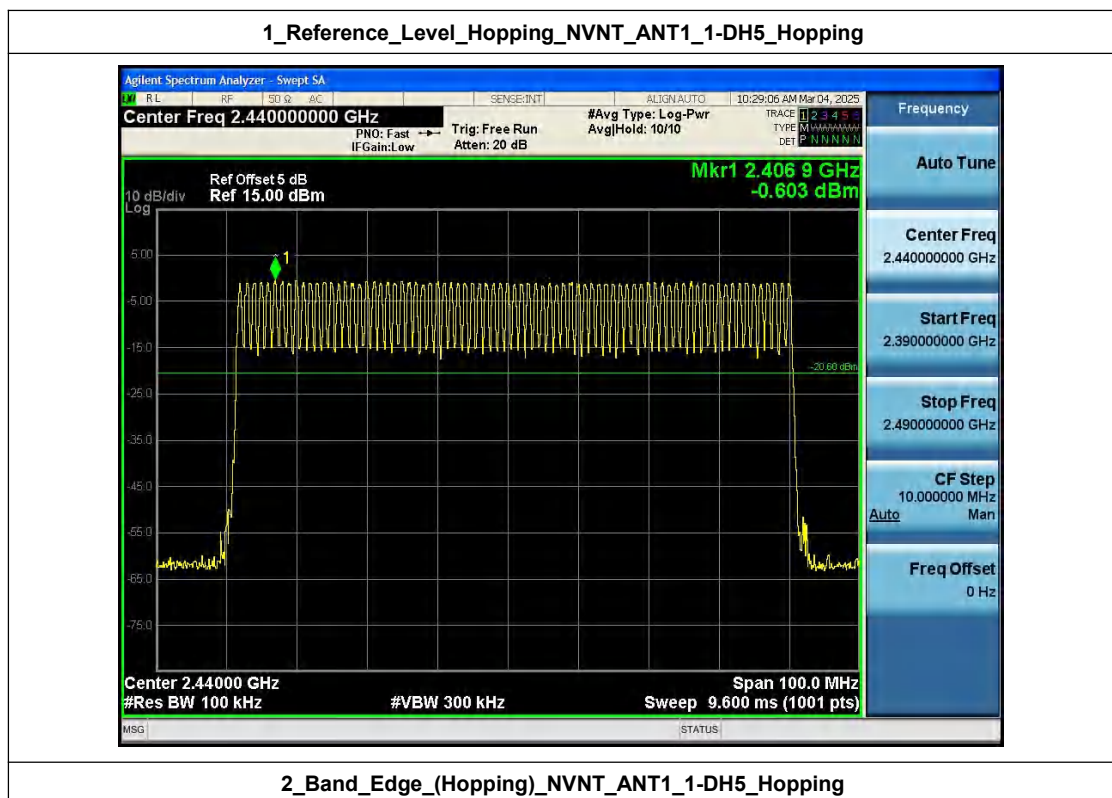
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



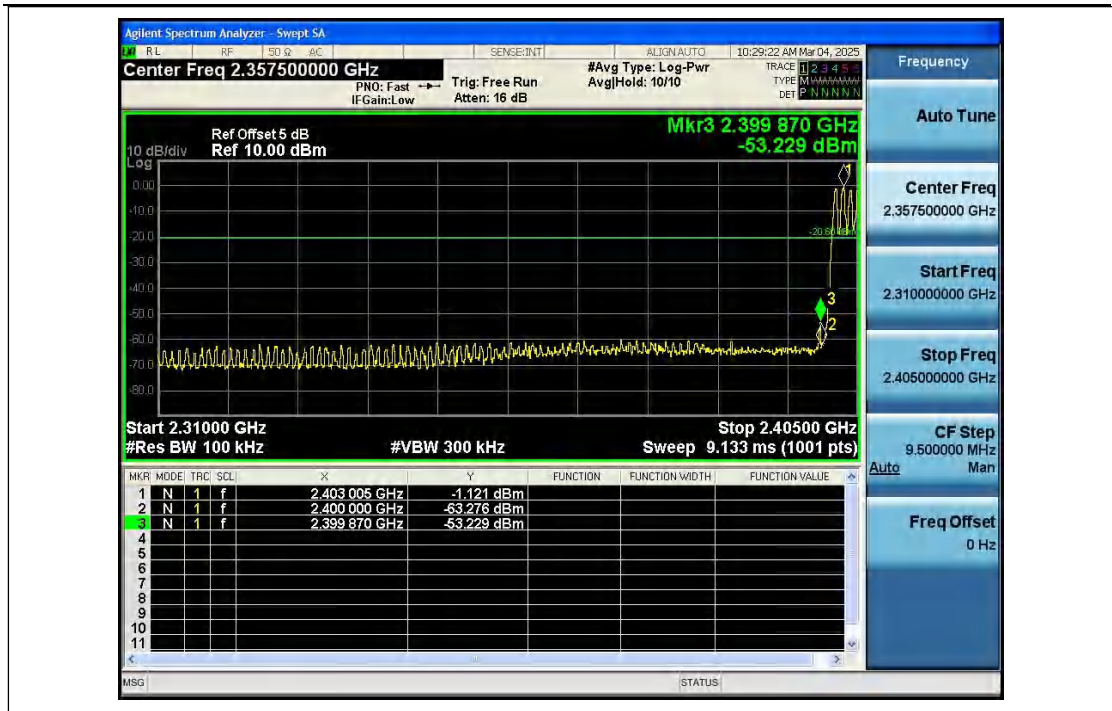
2_Bandedge_NVNT_ANT1_1-DH5_2402_00



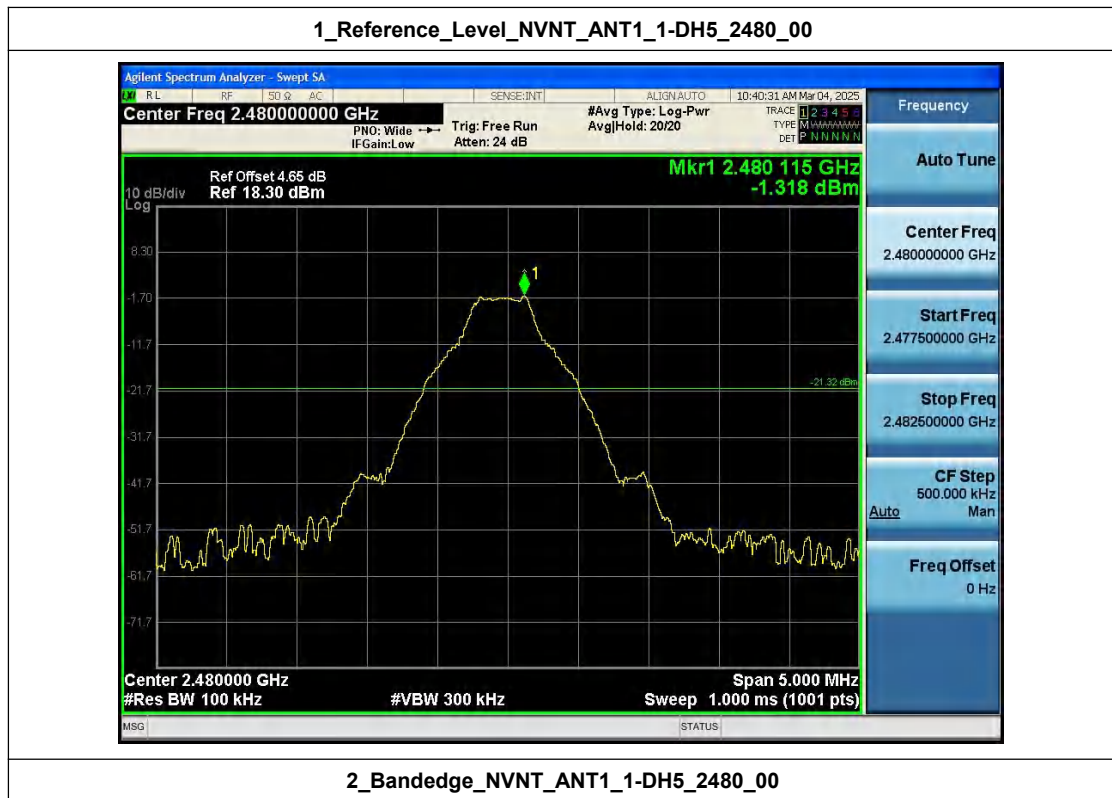
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

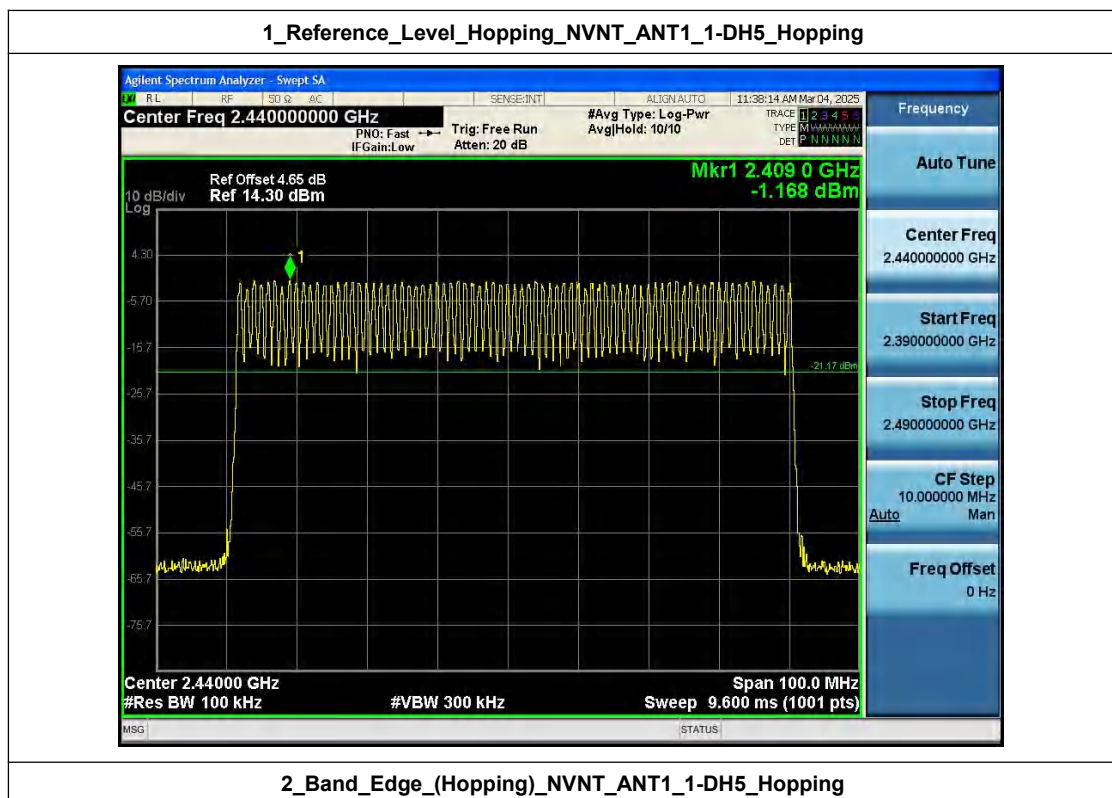


2_Bandedge_NVNT_ANT1_1-DH5_2480_00

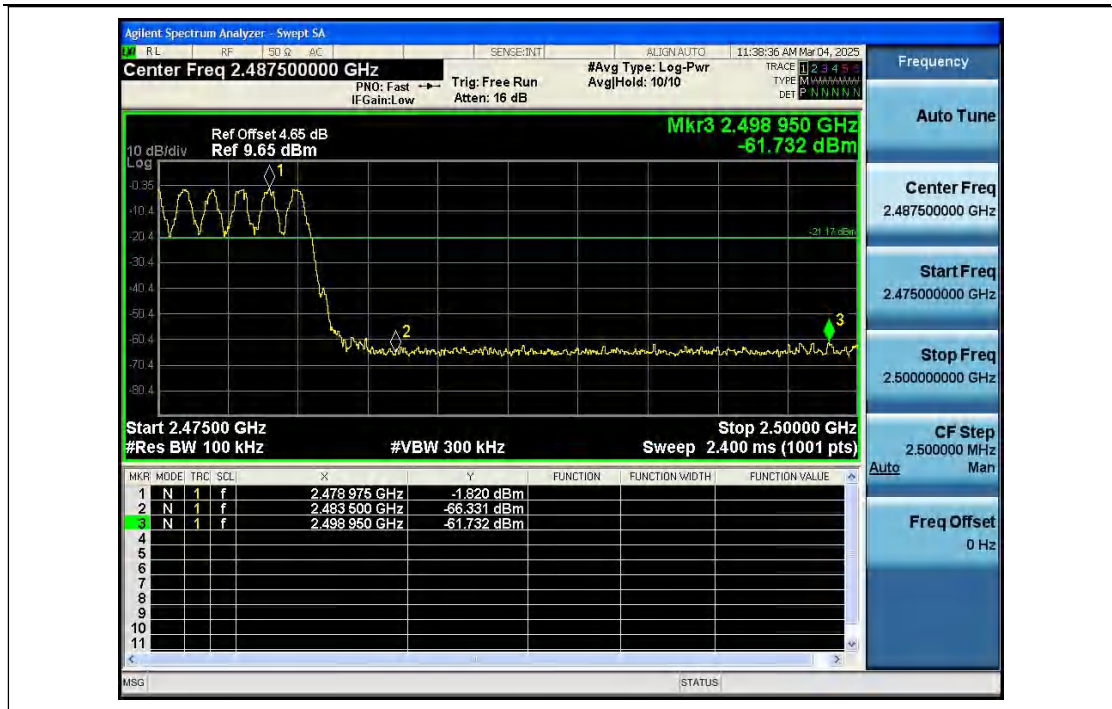




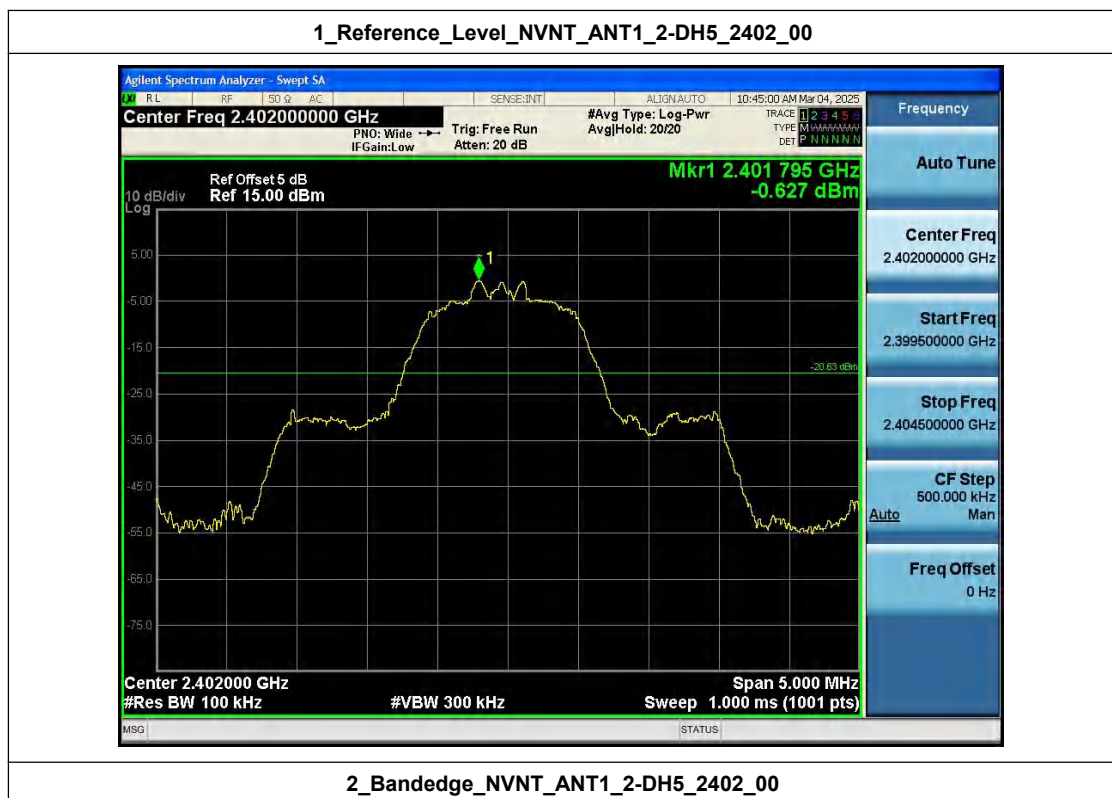
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



2_Bandedge_NVNT_ANT1_2-DH5_2402_00

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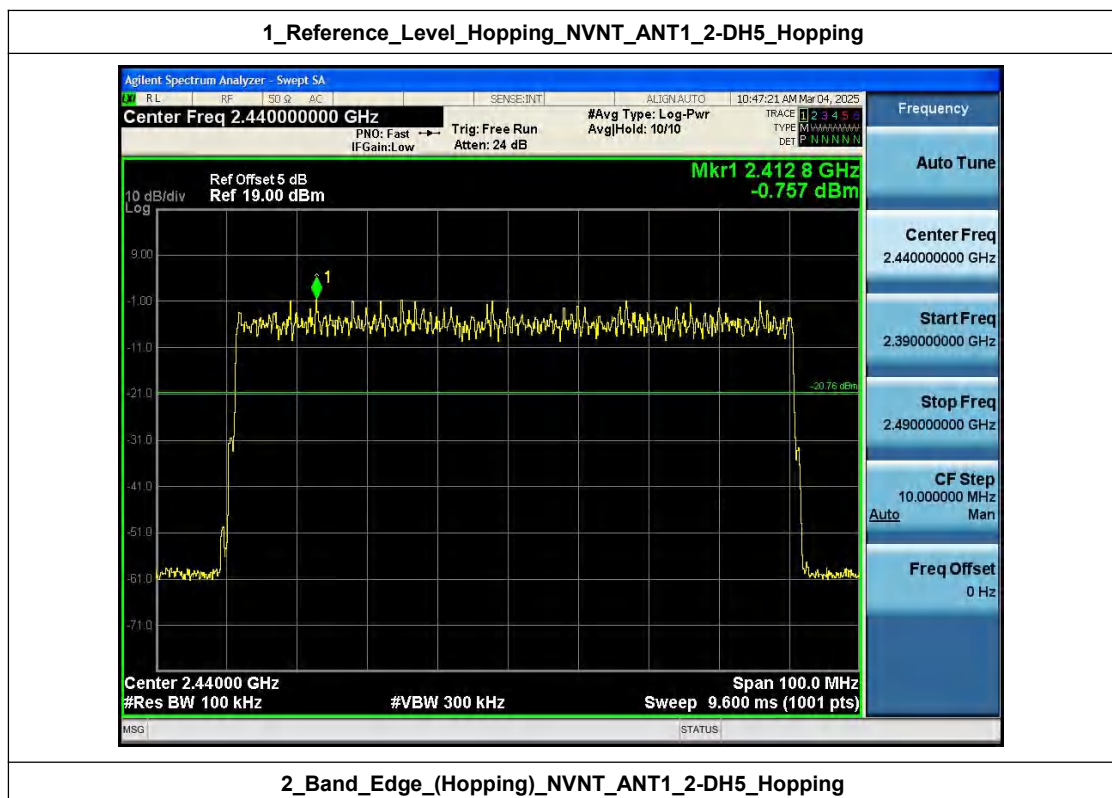
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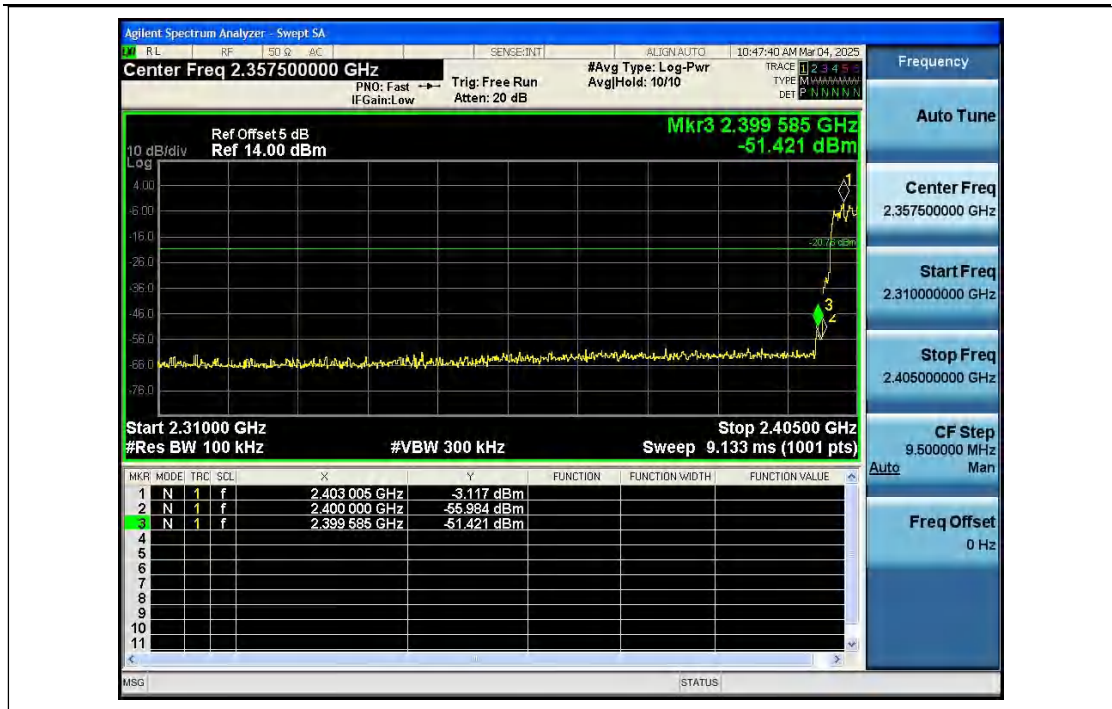
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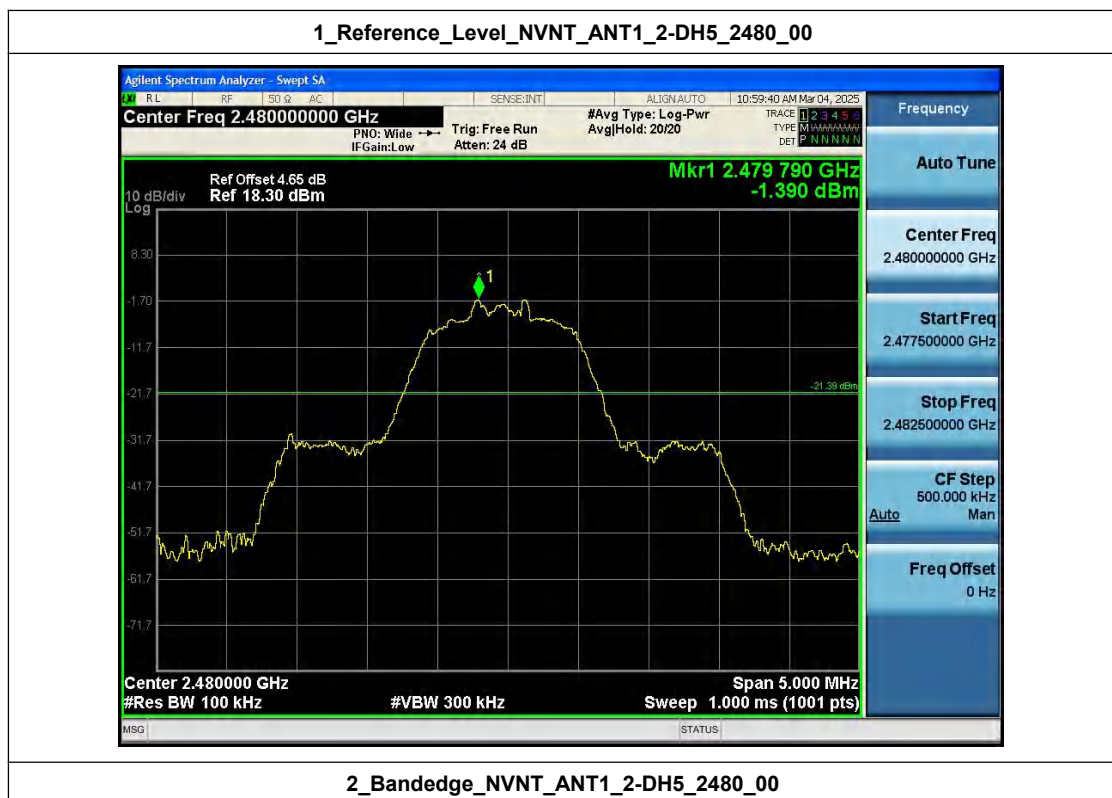
1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



2_Bandedge_NVNT_ANT1_2-DH5_2480_00

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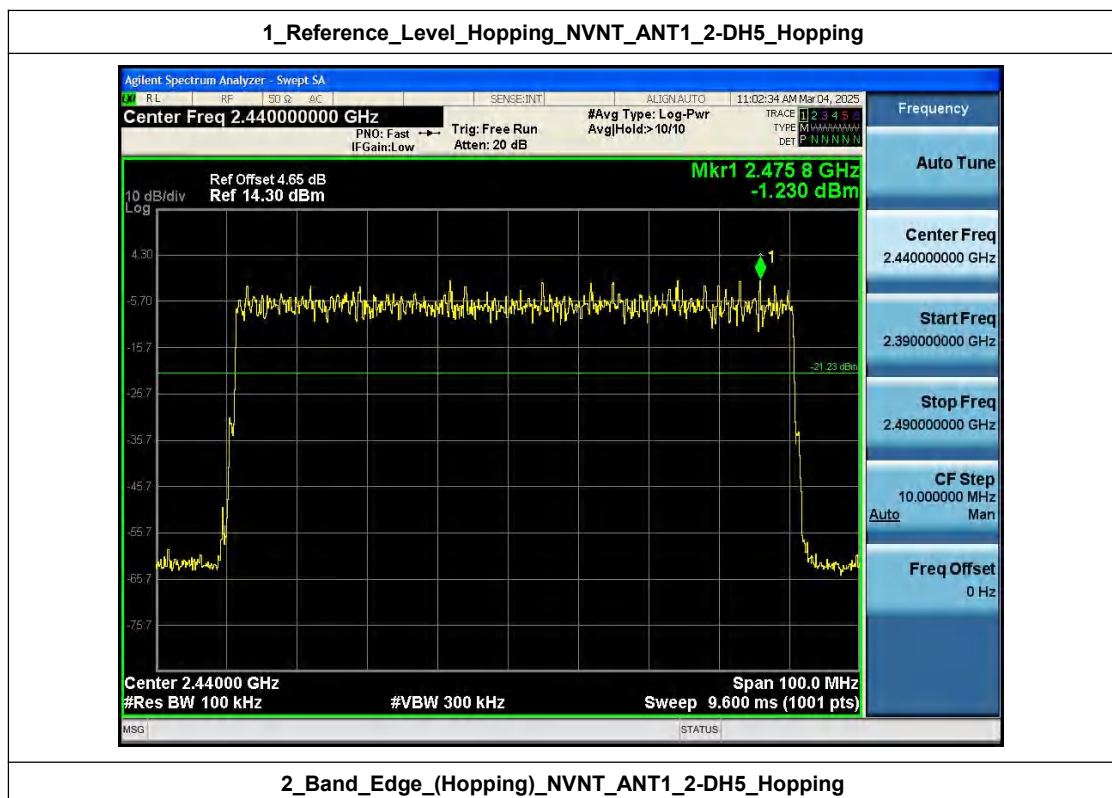
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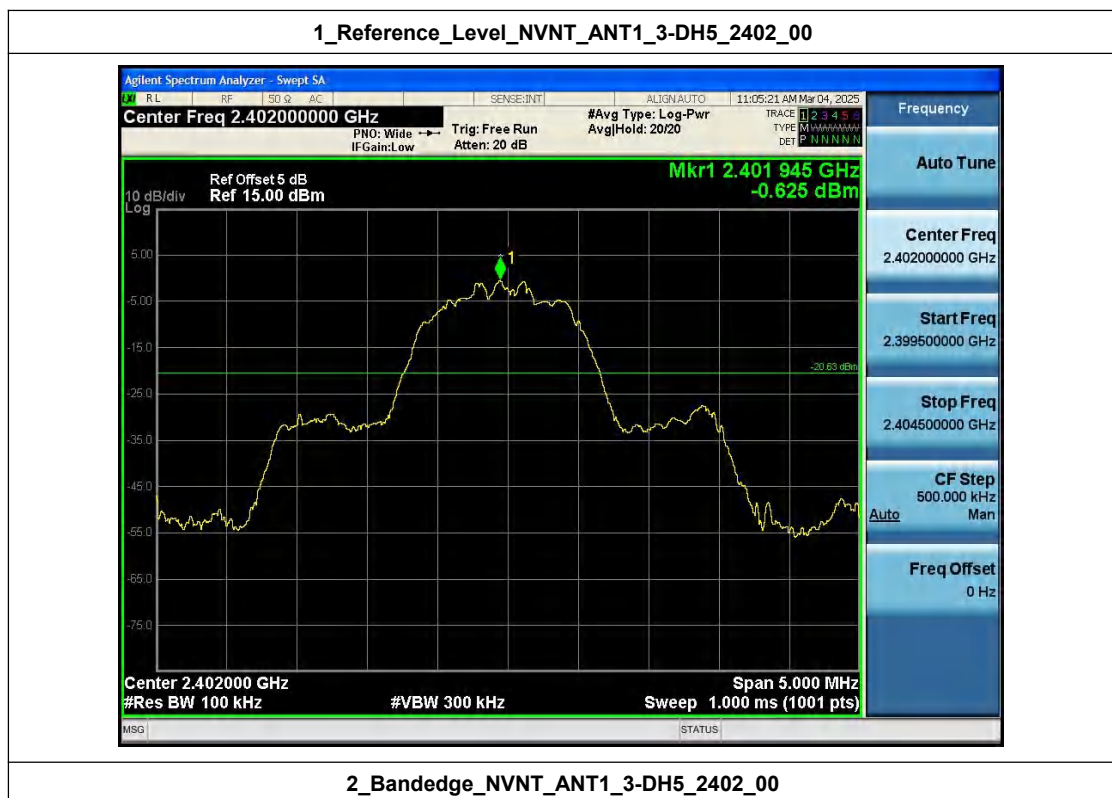
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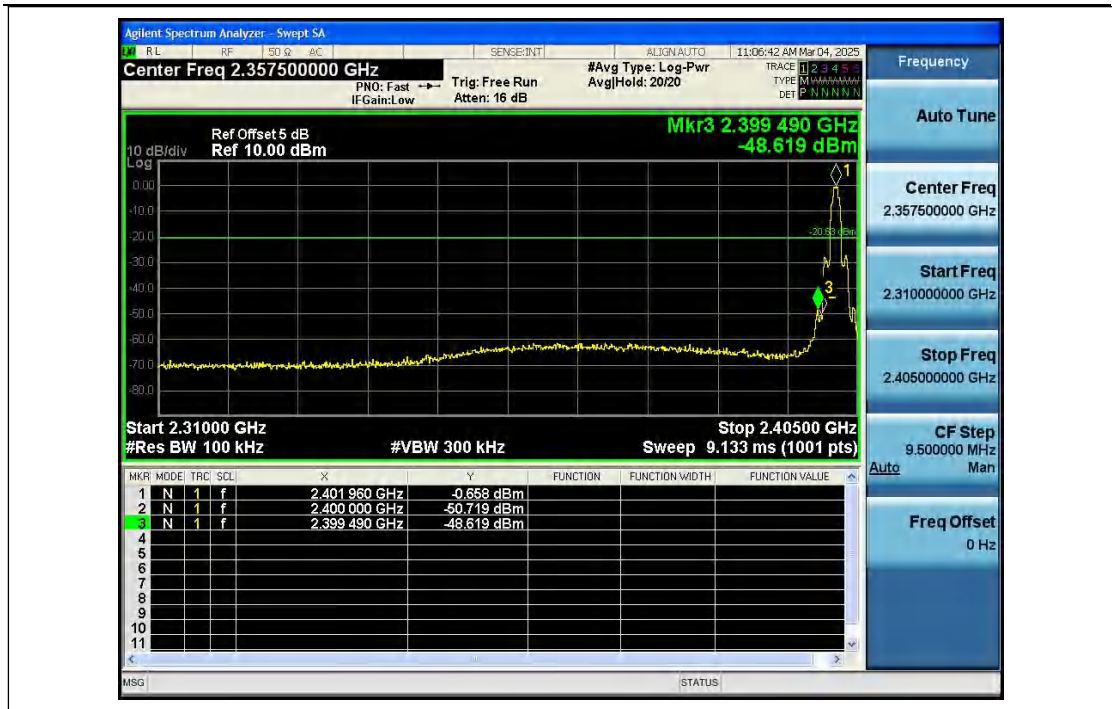
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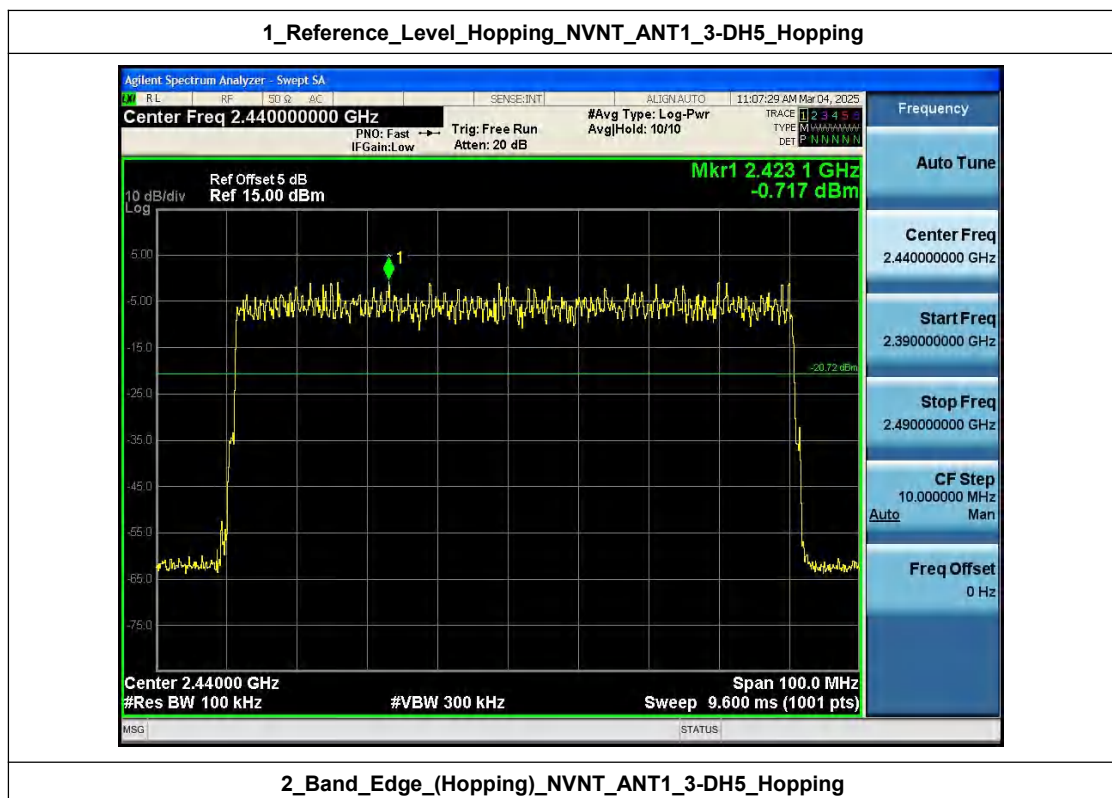
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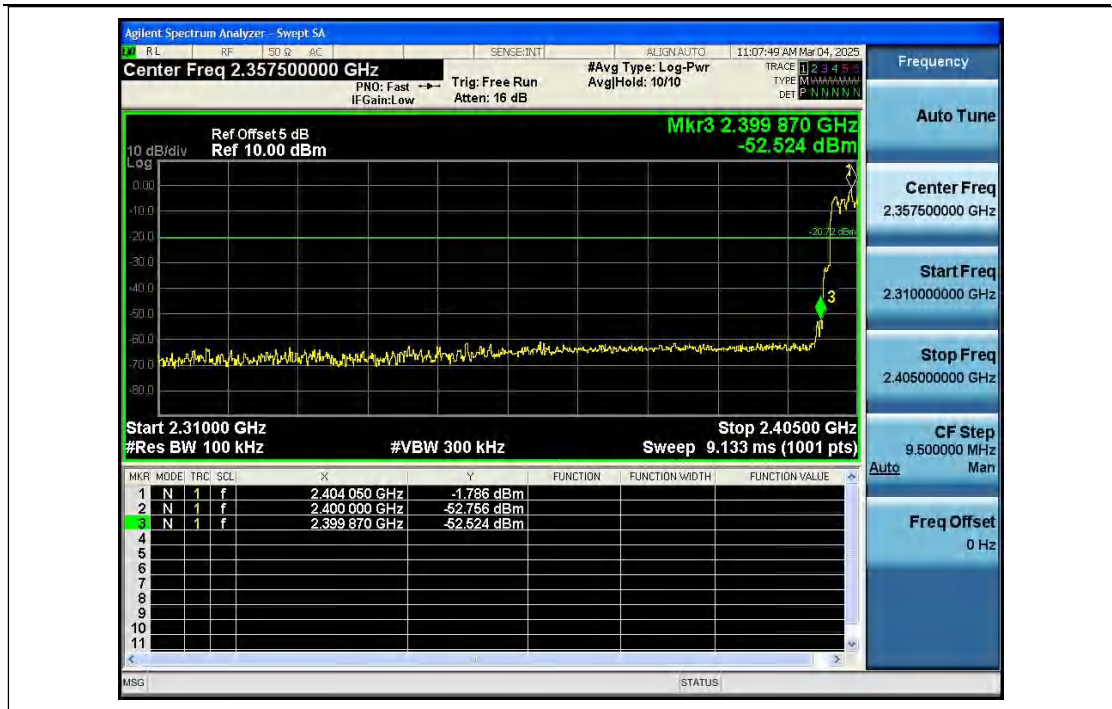
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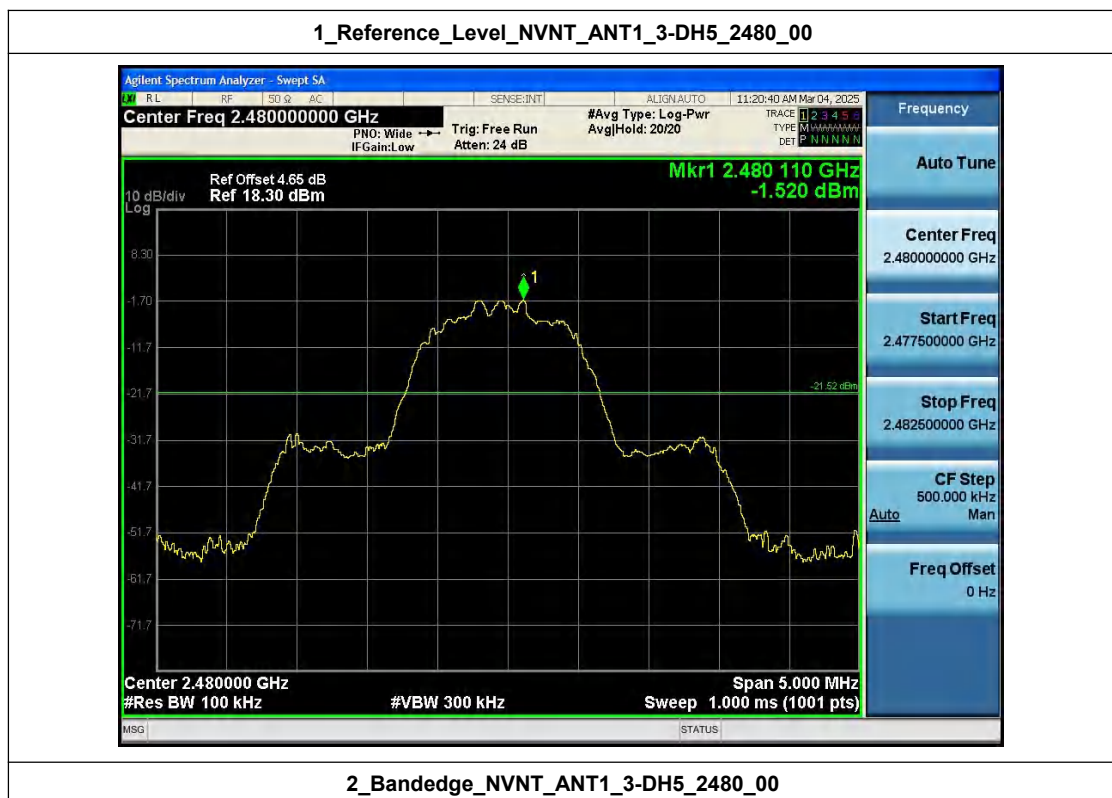
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2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



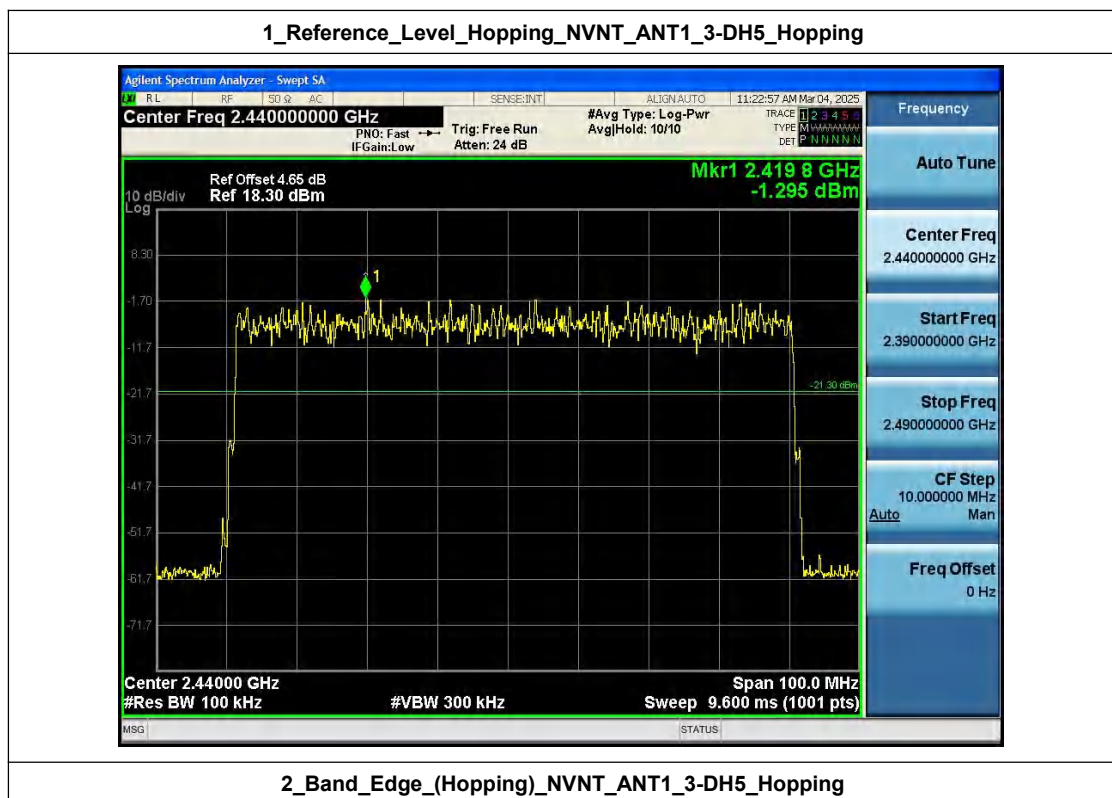
1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Bandedge_NVNT_ANT1_3-DH5_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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Appendix G: Carrier Frequencies Separation (Hopping)

Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH5	2441.00	2440.783	2441.794	1.01	0.671	Pass
NVNT	ANT1	2-DH5	2441.00	2440.945	2441.833	0.89	0.881	Pass
NVNT	ANT1	3-DH5	2441.00	2440.951	2441.929	0.98	0.872	Pass

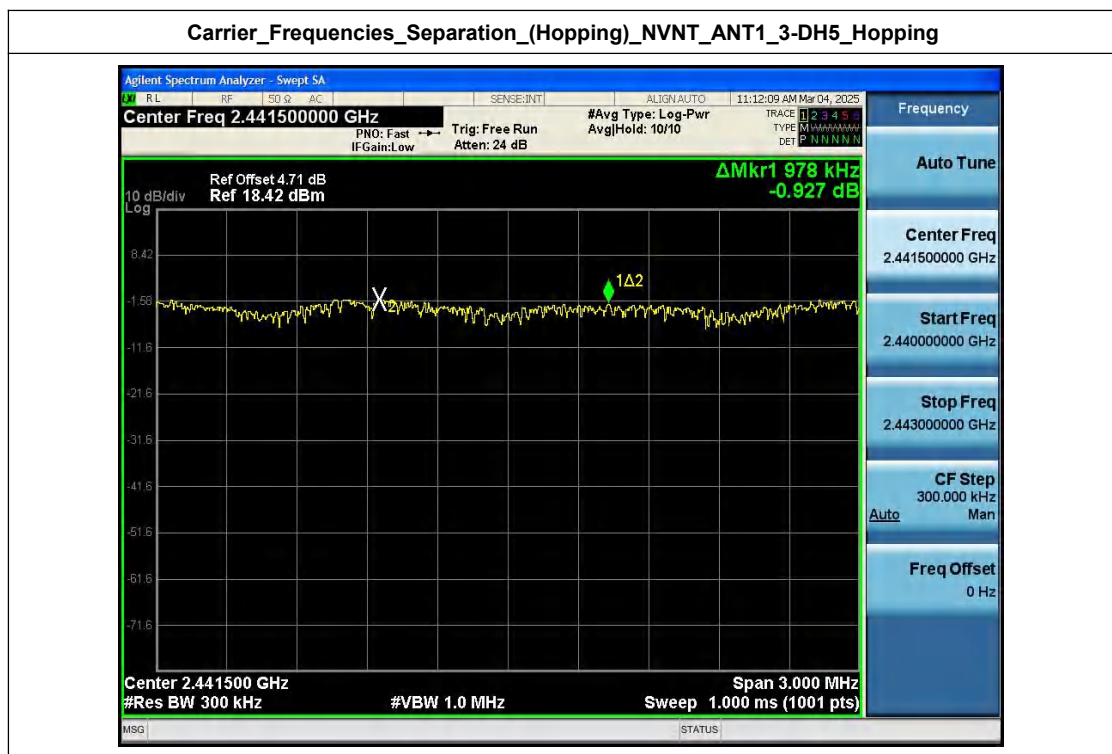
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



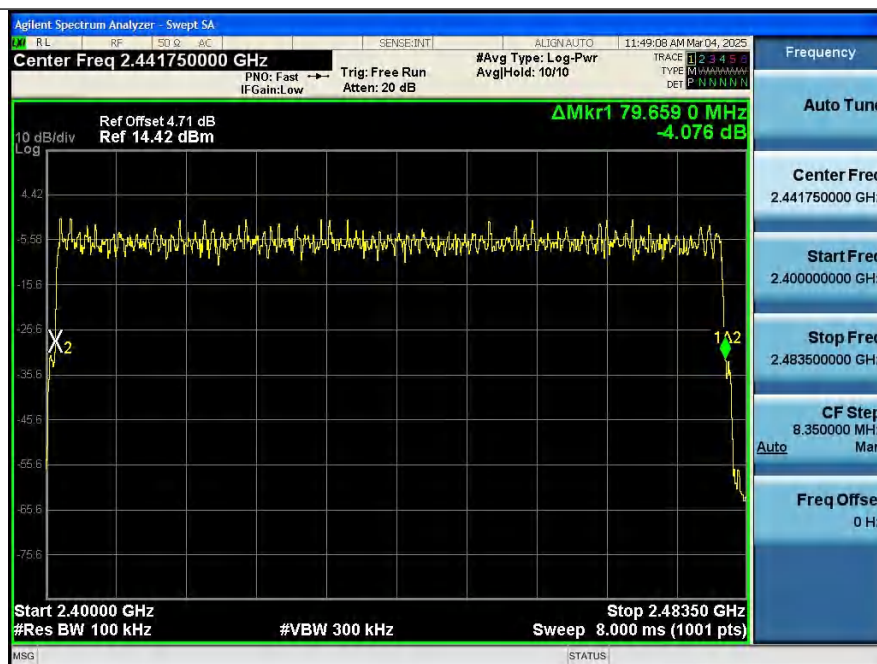
Appendix H: Number of Hopping Channel (Hopping)

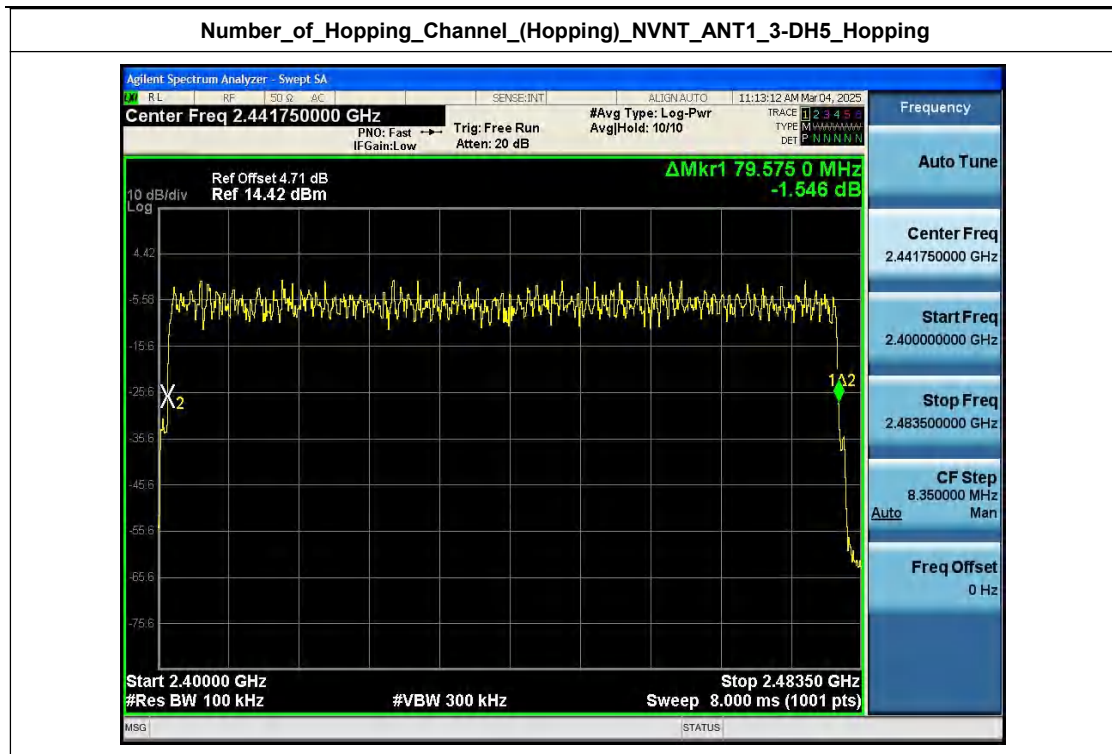
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping





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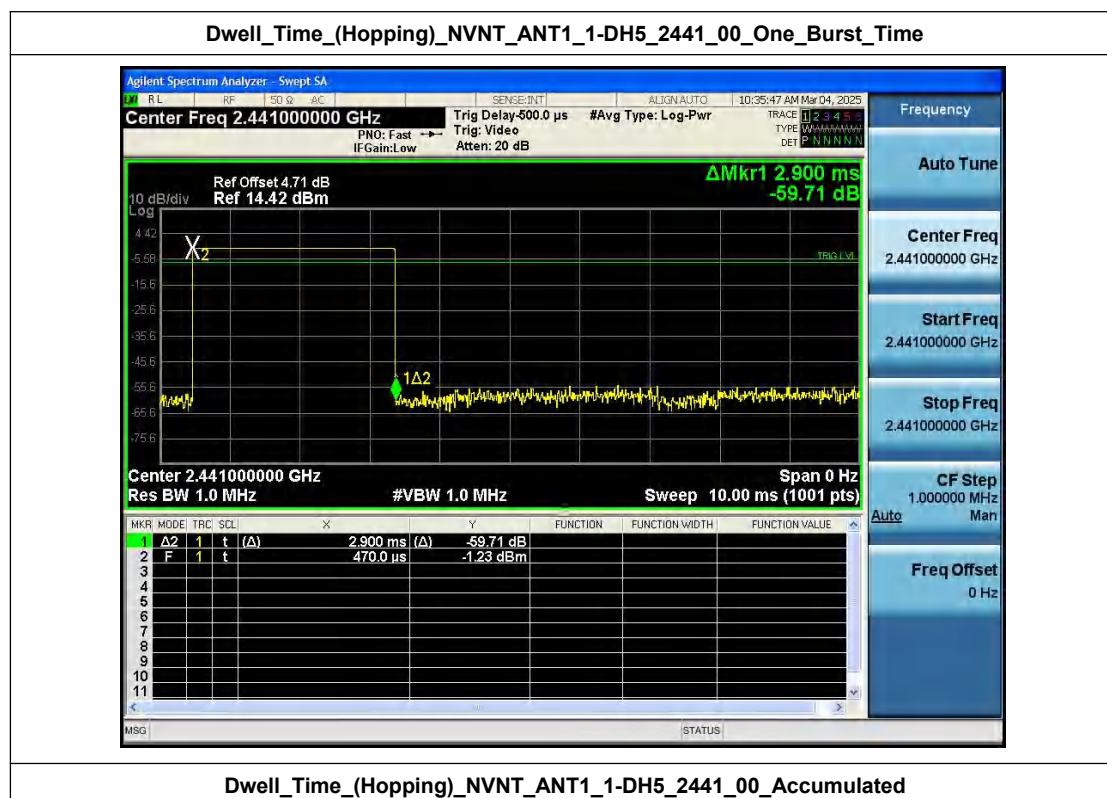
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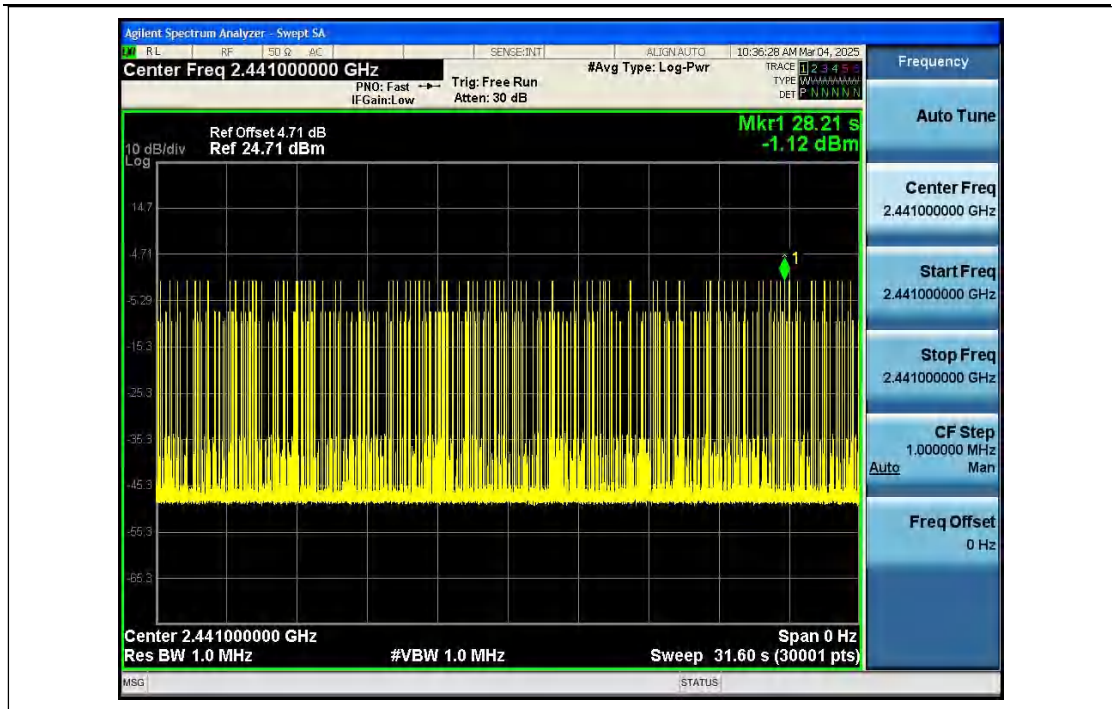


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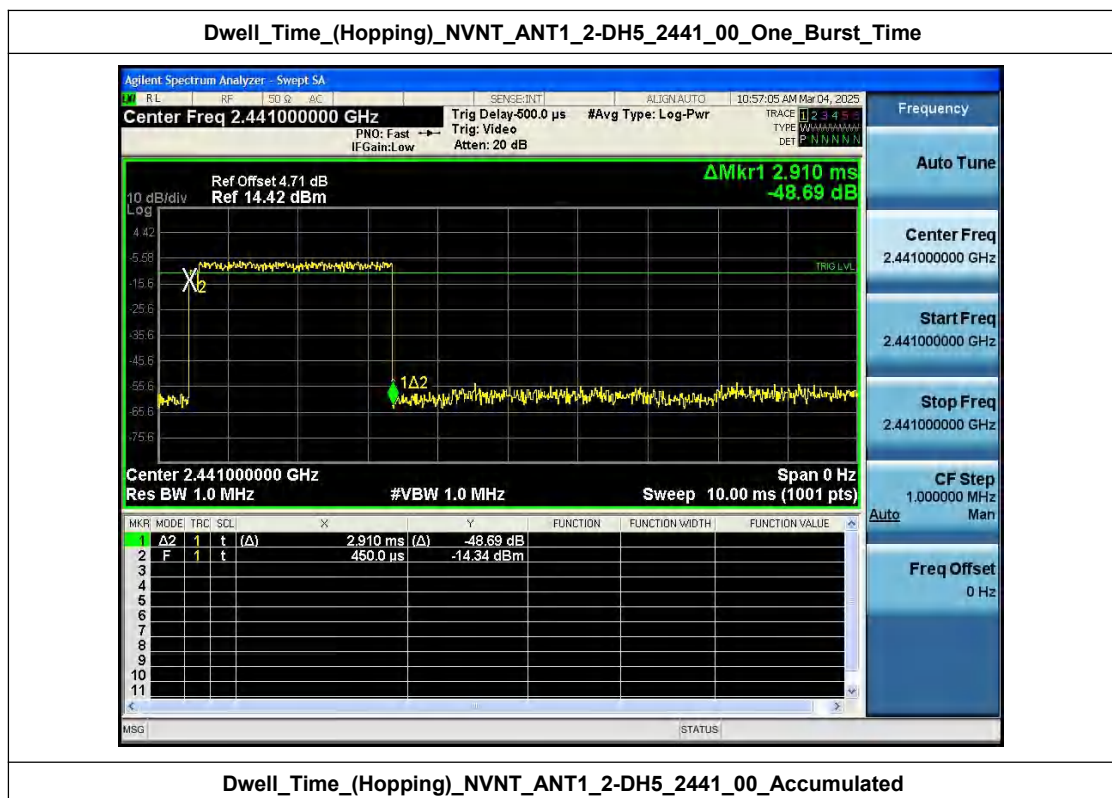
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.900	111.00	321.900	0.40	Pass
NVNT	ANT1	2-DH5	2.910	116.00	337.560	0.40	Pass
NVNT	ANT1	3-DH5	2.910	112.00	325.920	0.40	Pass
NVNT	ANT1	1-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	1-DH3	1.650	157.00	259.050	0.40	Pass
NVNT	ANT1	2-DH1	0.410	319.00	130.790	0.40	Pass
NVNT	ANT1	2-DH3	1.660	150.00	249.000	0.40	Pass
NVNT	ANT1	3-DH1	0.410	318.00	130.380	0.40	Pass
NVNT	ANT1	3-DH3	1.660	162.00	268.920	0.40	Pass

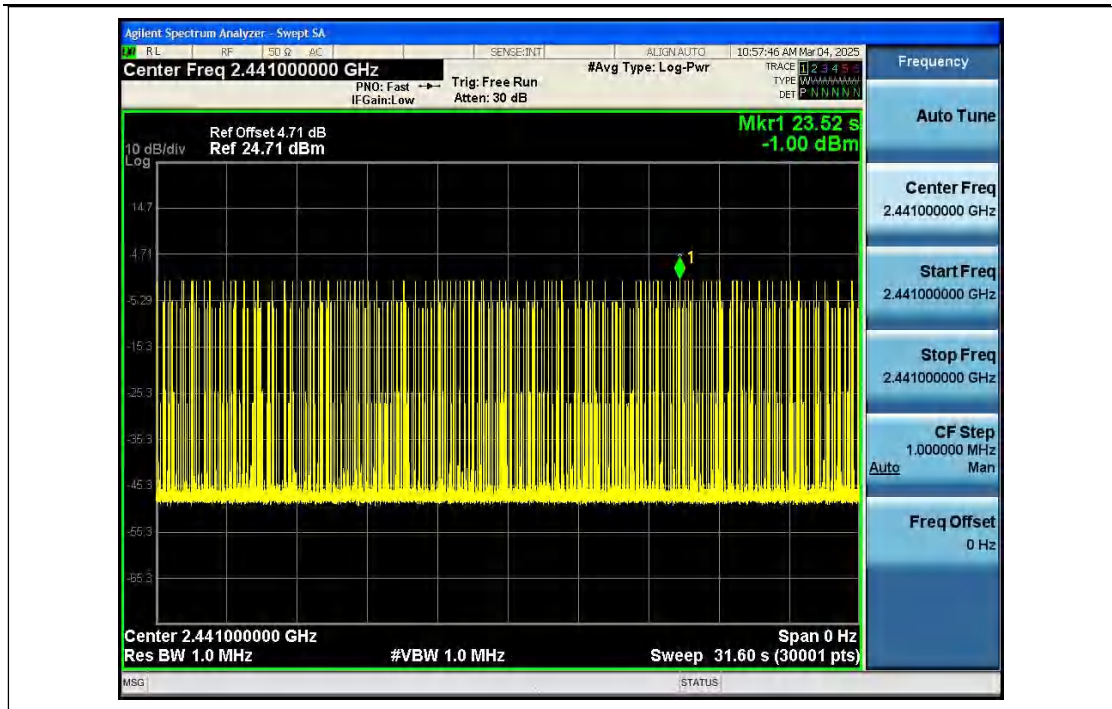




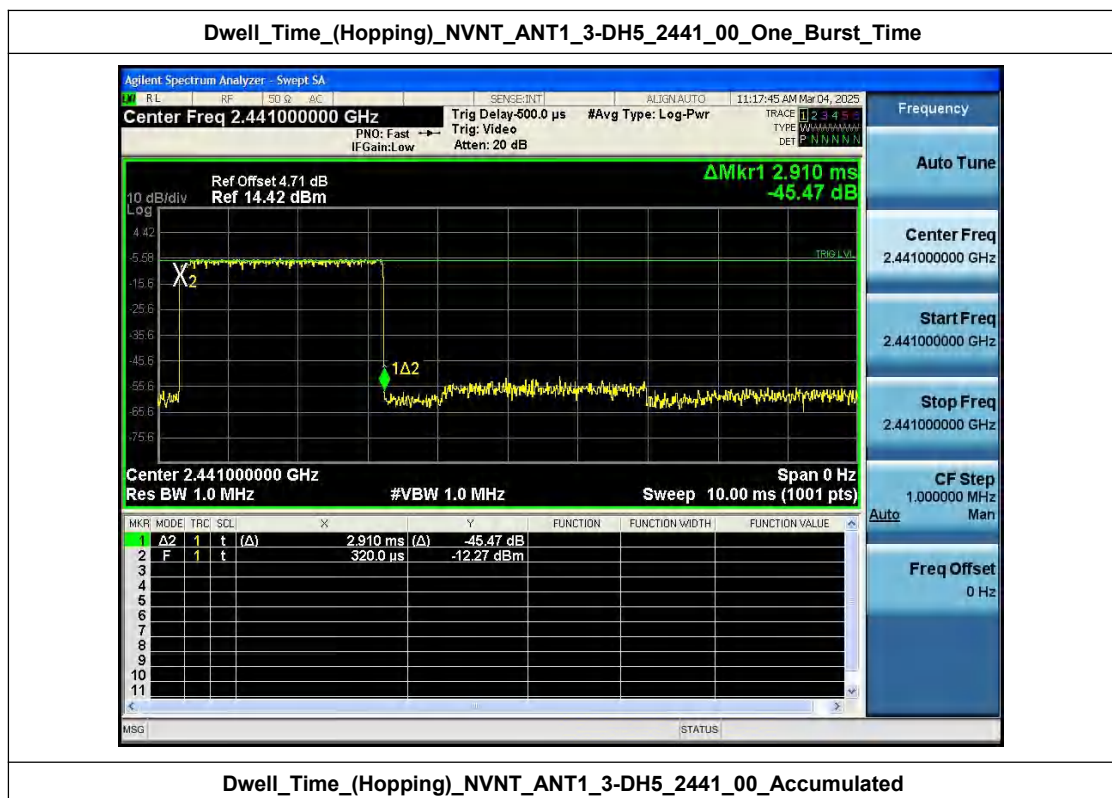
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



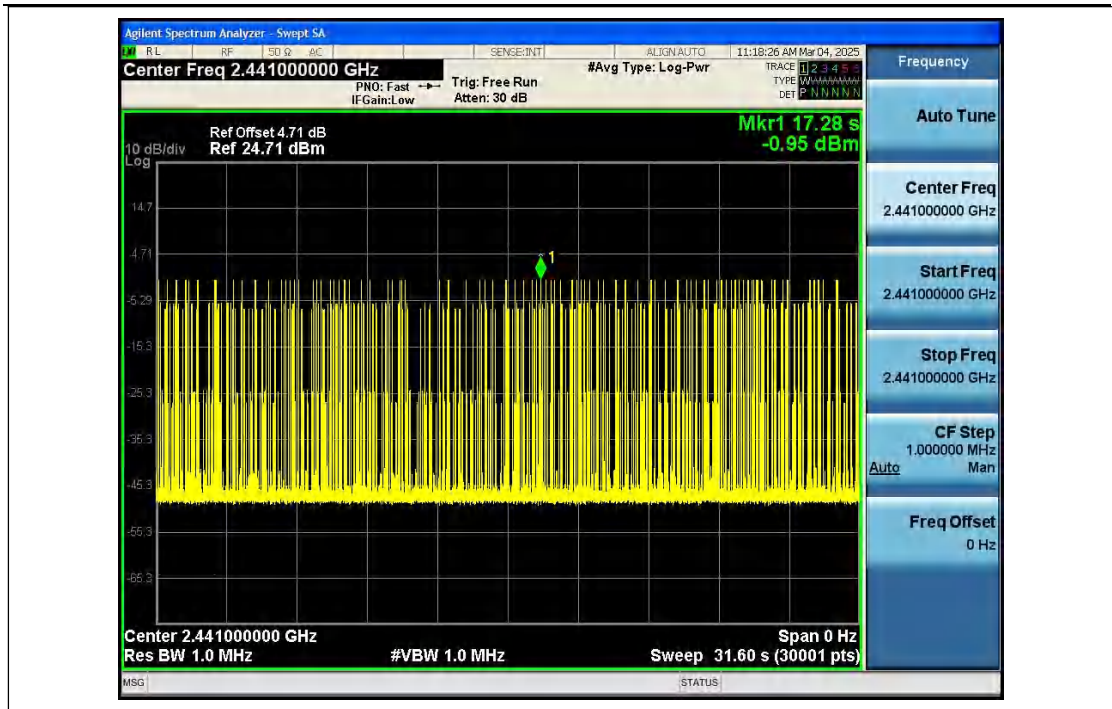
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



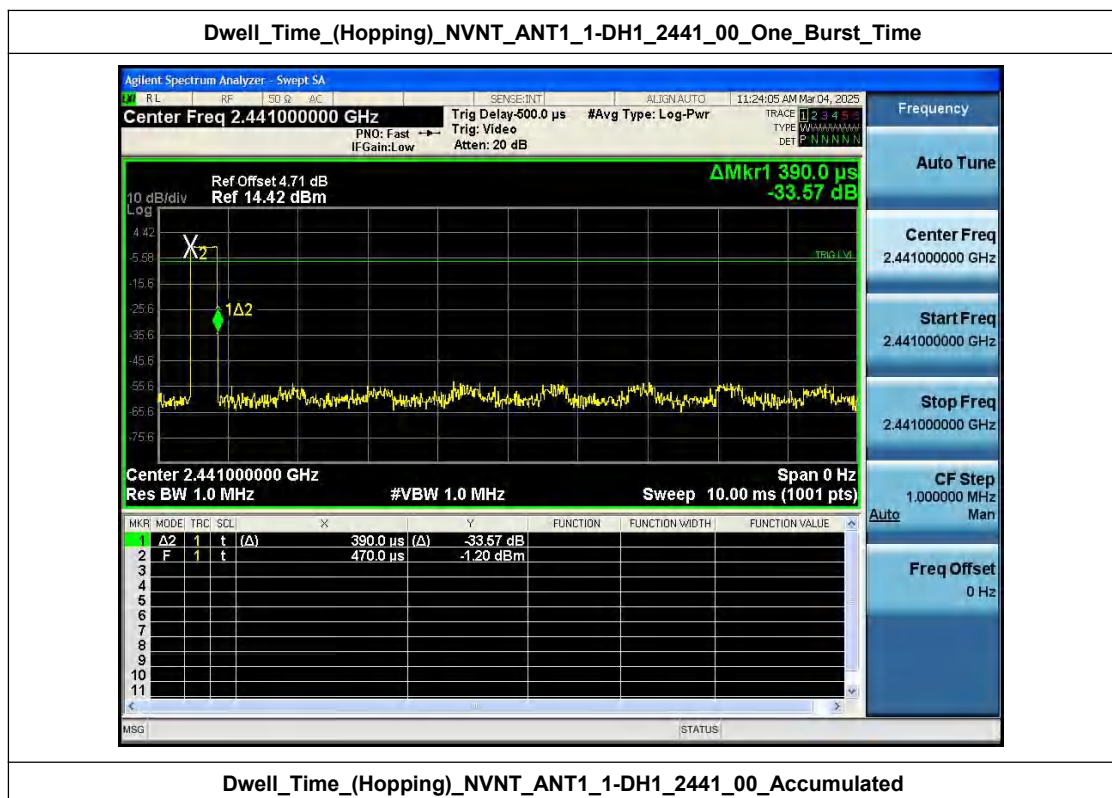
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



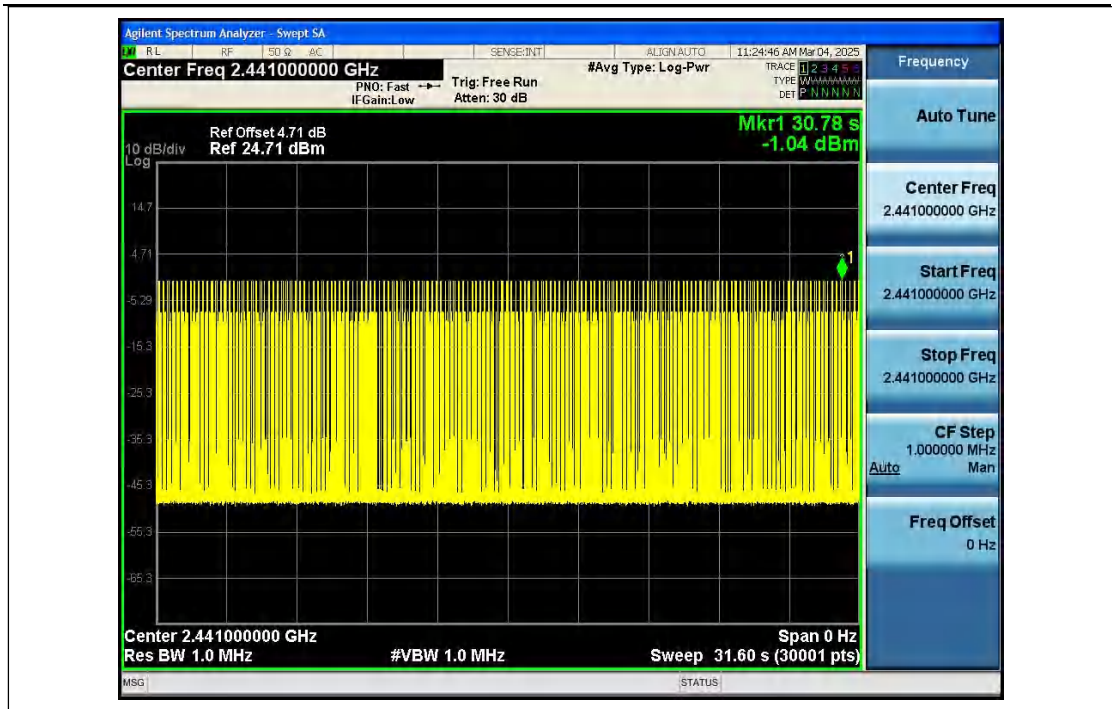
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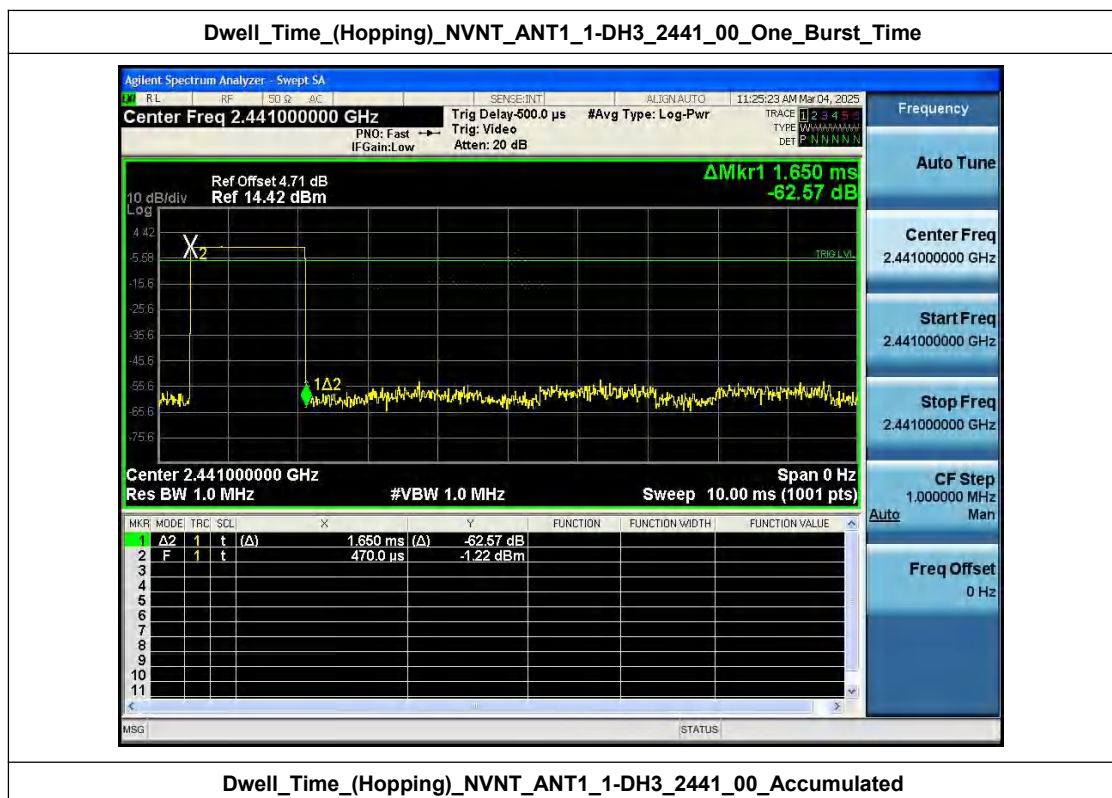
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time



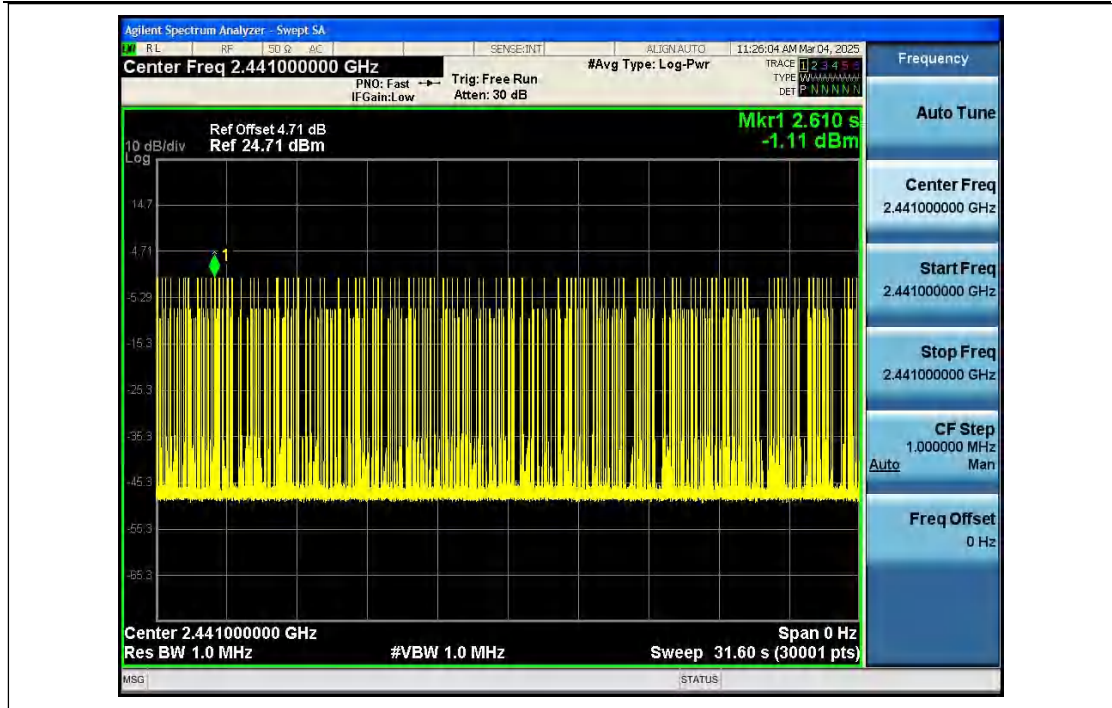
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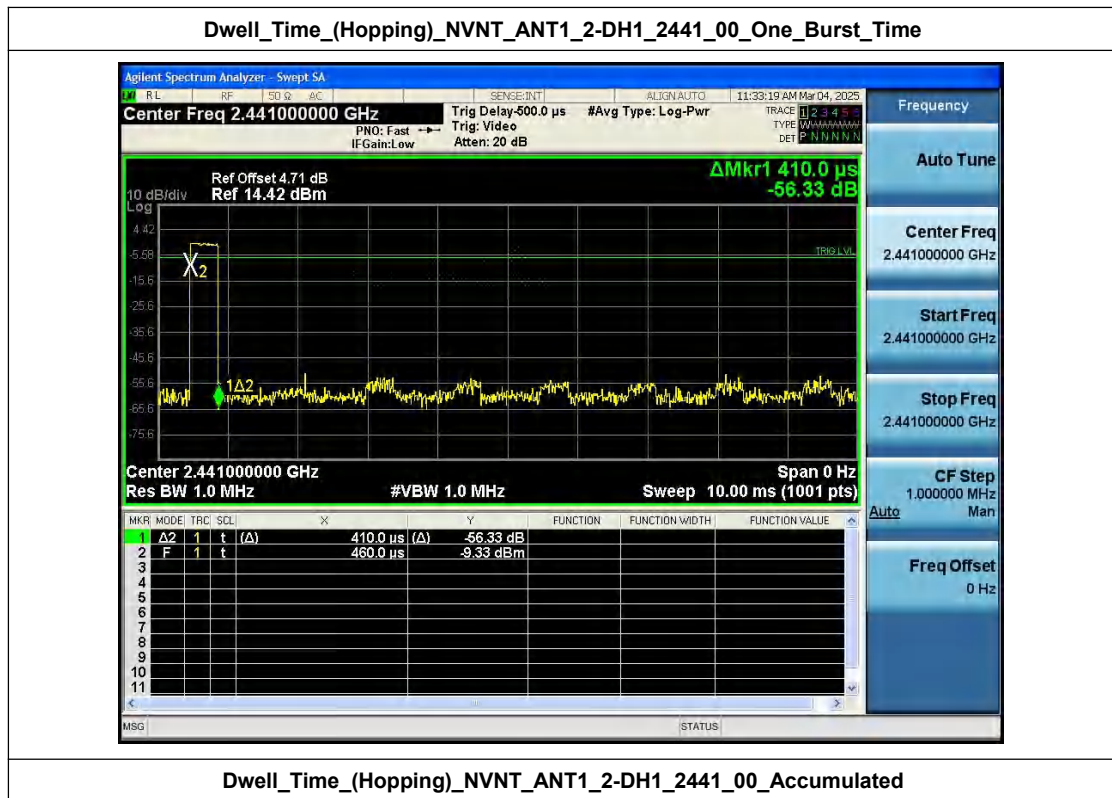
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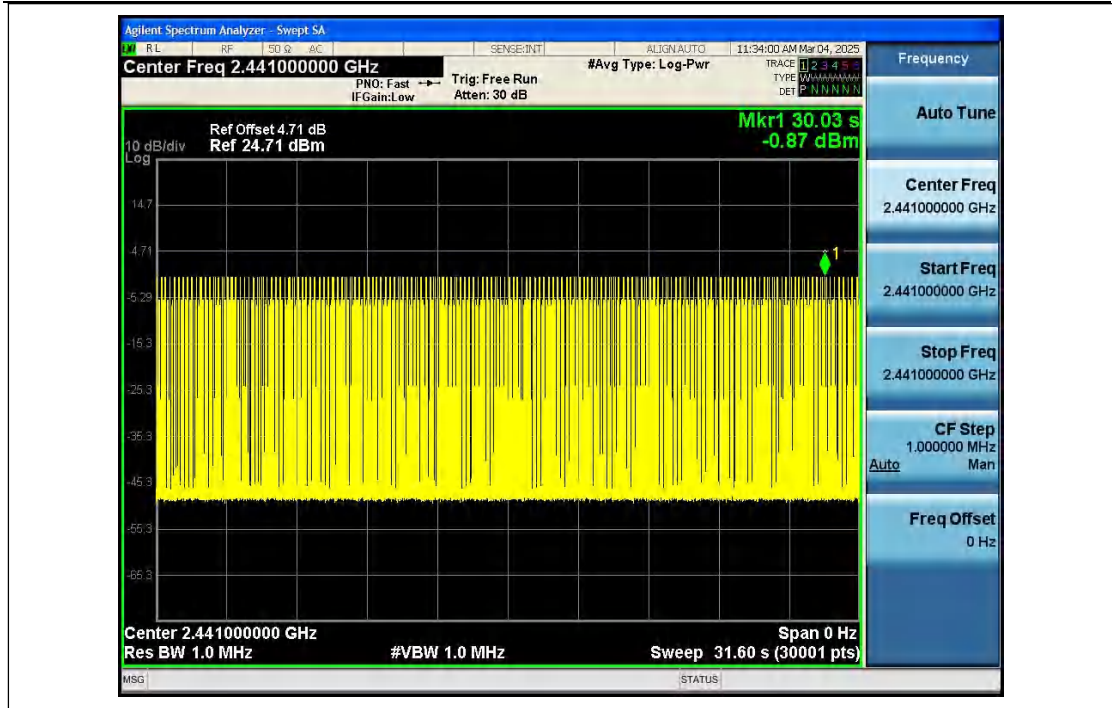
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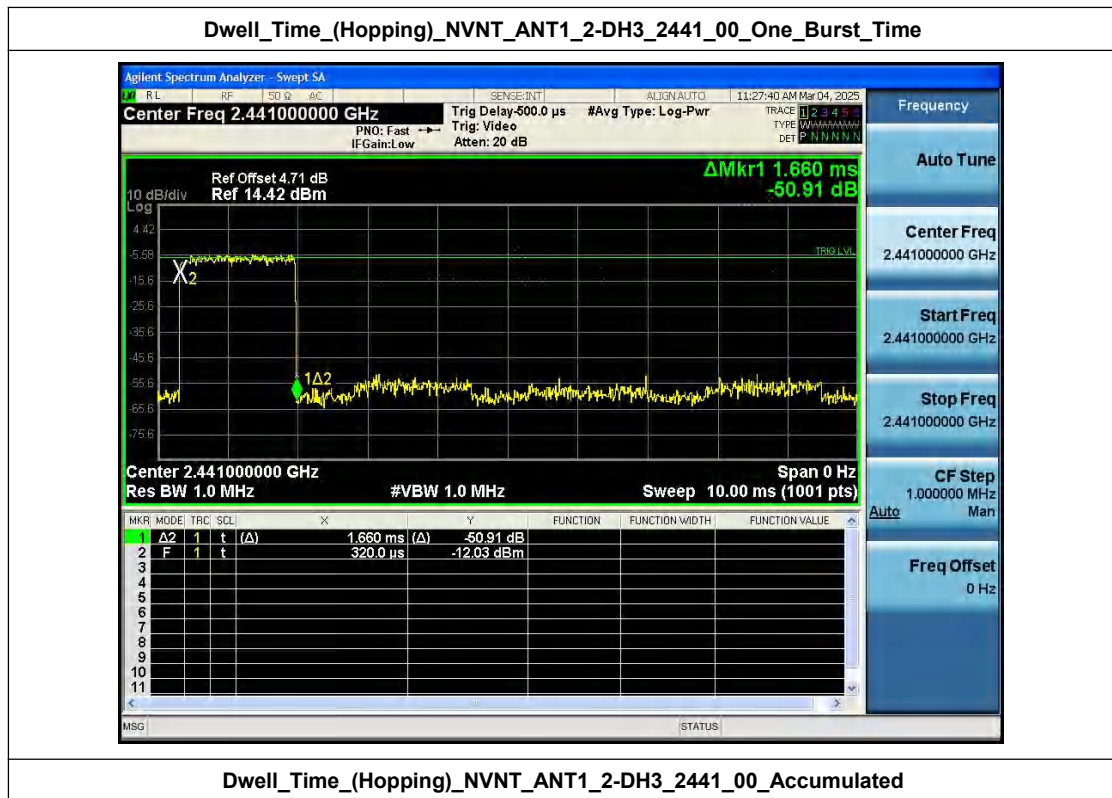
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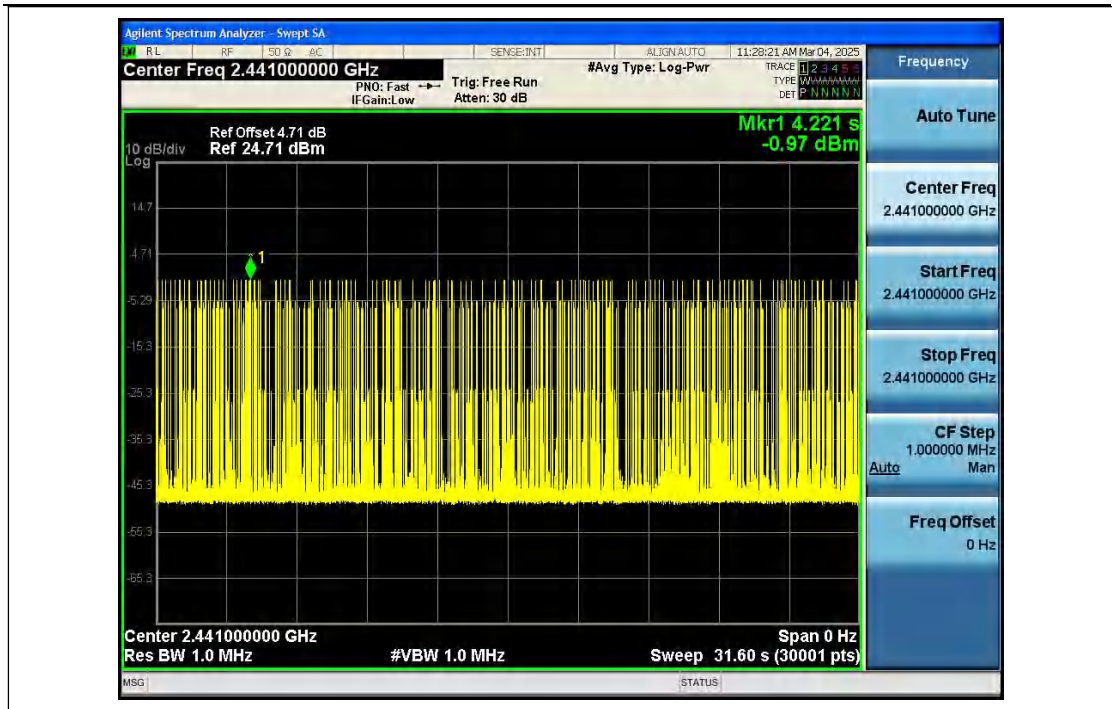
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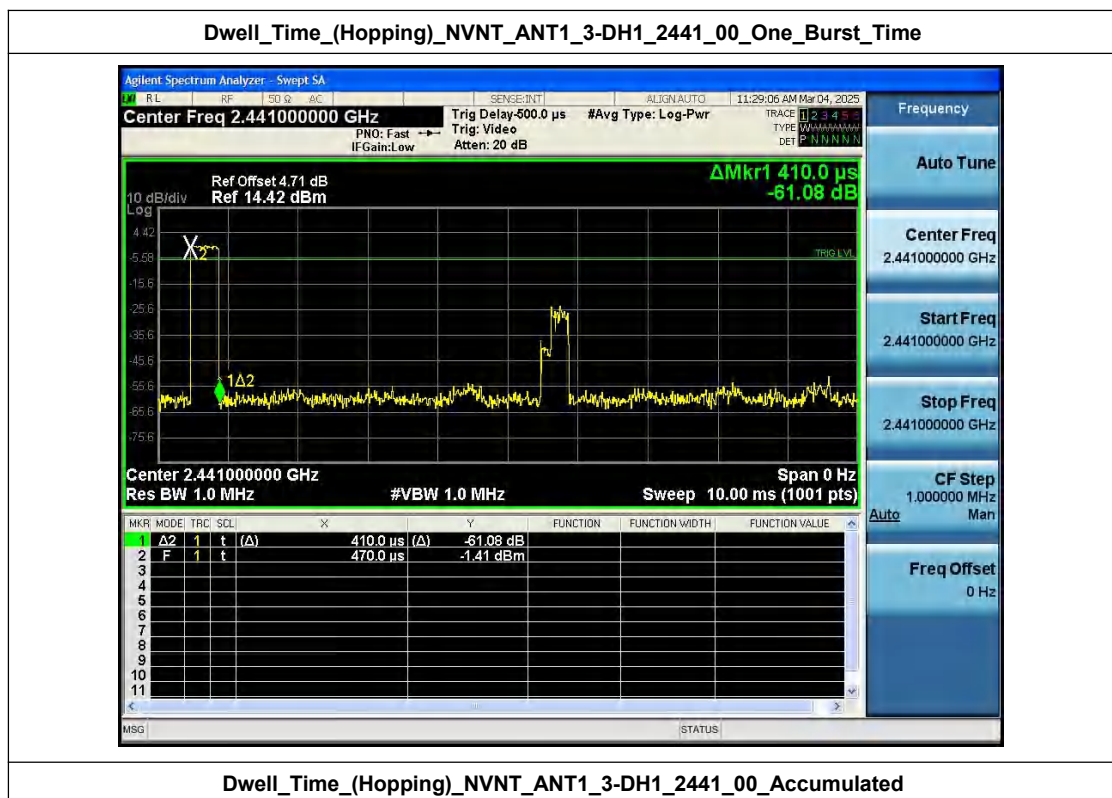
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time



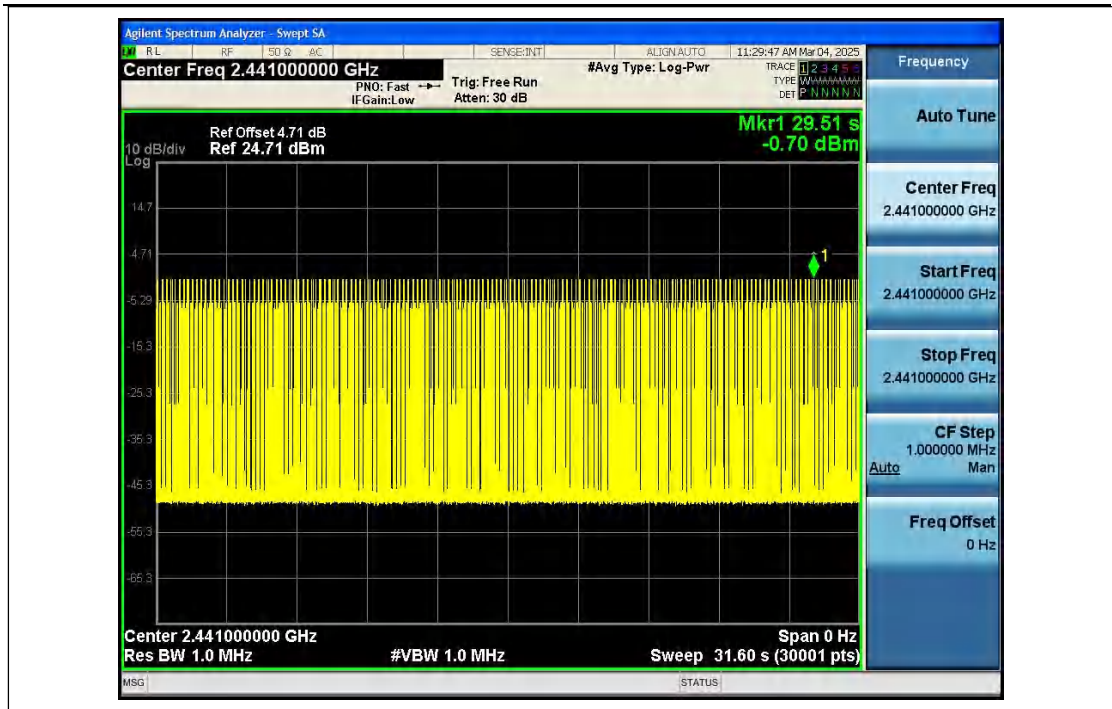
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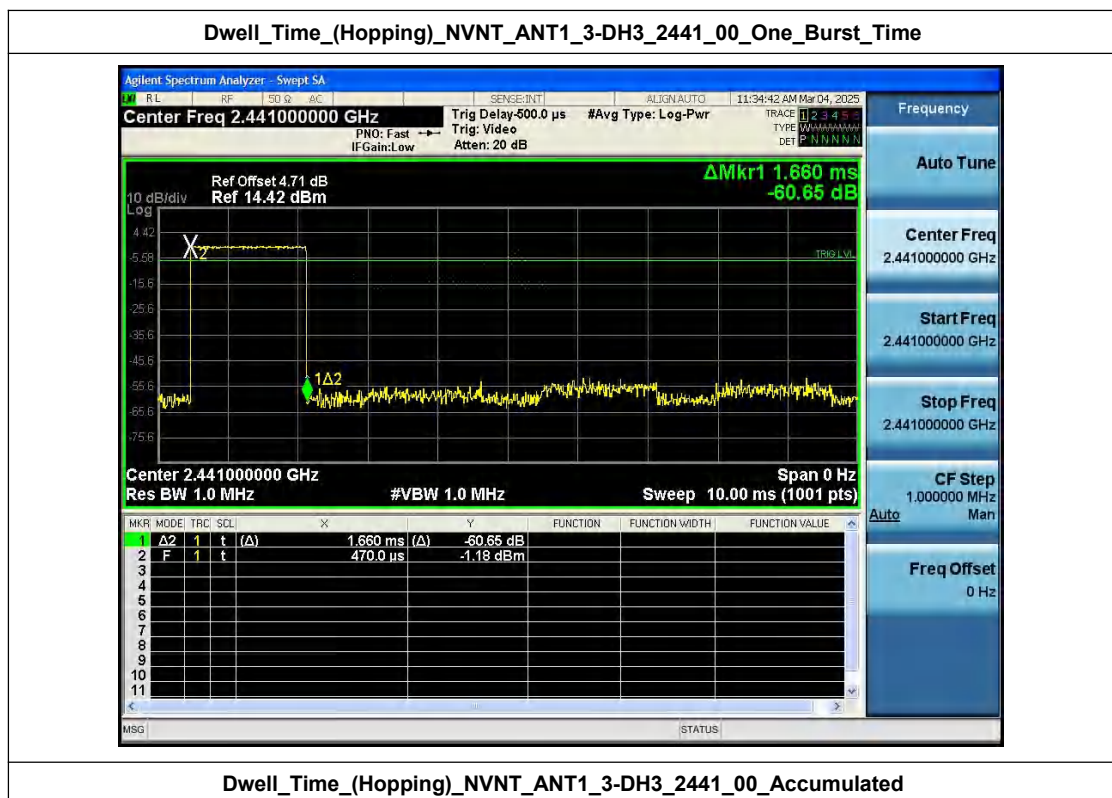
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



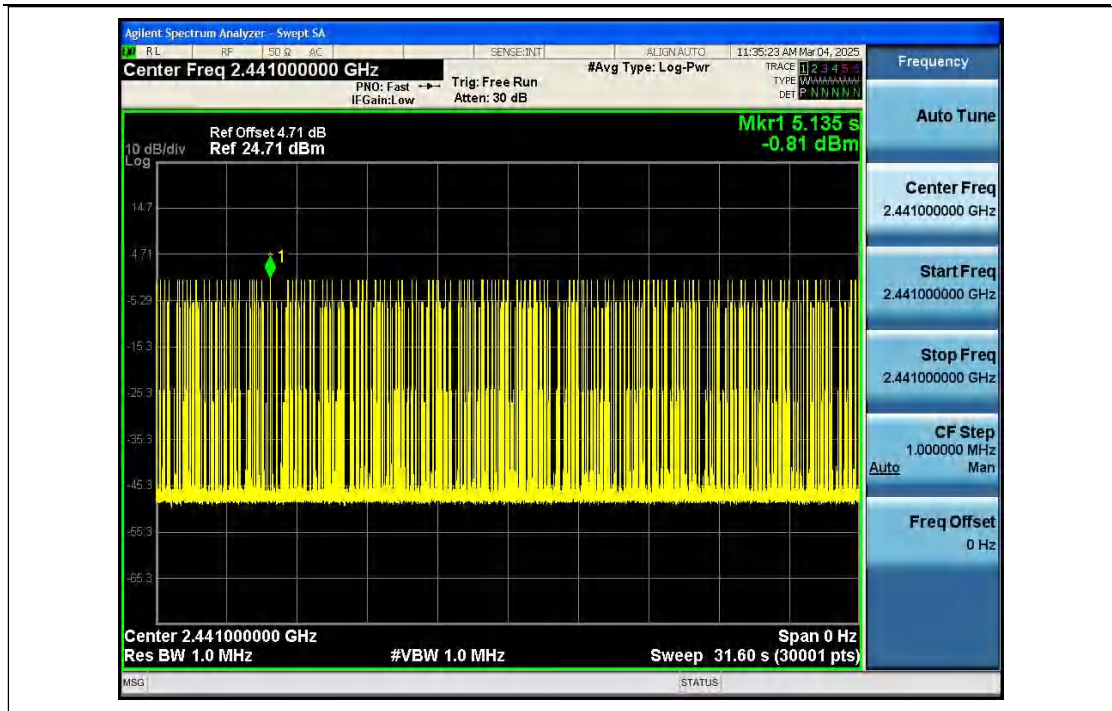
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated



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