

Appendix Test Data

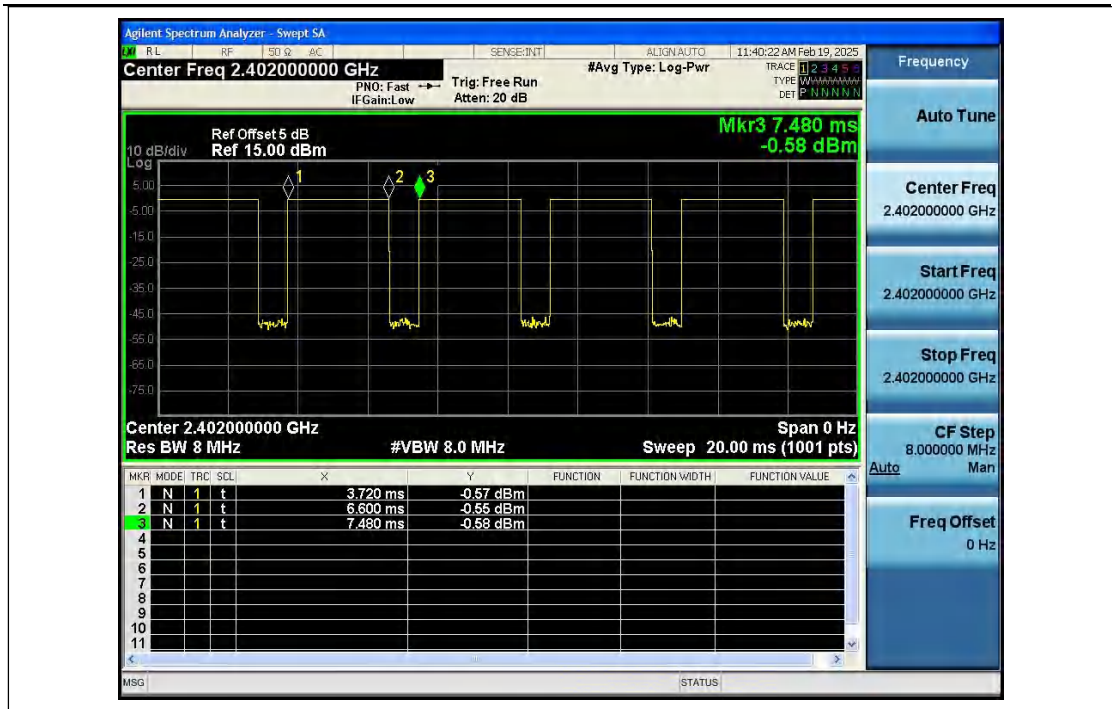
Report No.:	1813C50044712501	Test Sample No.:	1-2-2
Start Test Date:	2025.2.14	Finish Test Date:	2025.2.19
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.0°C	Relative Humidity:	38%
Pressure:	101kPa		

Appendix A: Duty Cycle

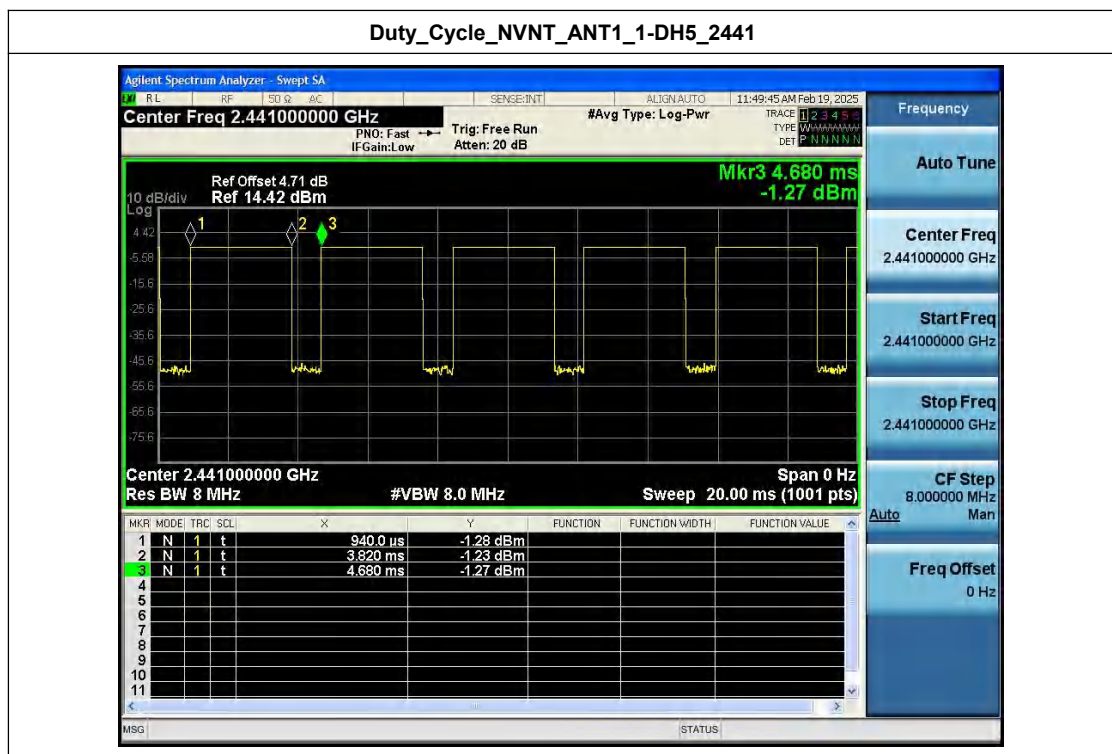
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.13	1.13
NVNT	ANT1	1-DH5	2441.00	77.54	1.10
NVNT	ANT1	1-DH5	2480.00	76.60	1.16
NVNT	ANT1	2-DH5	2402.00	77.54	1.10
NVNT	ANT1	2-DH5	2441.00	77.54	1.10
NVNT	ANT1	2-DH5	2480.00	78.07	1.07
NVNT	ANT1	3-DH5	2402.00	77.54	1.10
NVNT	ANT1	3-DH5	2441.00	77.66	1.10
NVNT	ANT1	3-DH5	2480.00	77.54	1.10

Duty_Cycle_NVNT_ANT1_1-DH5_2402

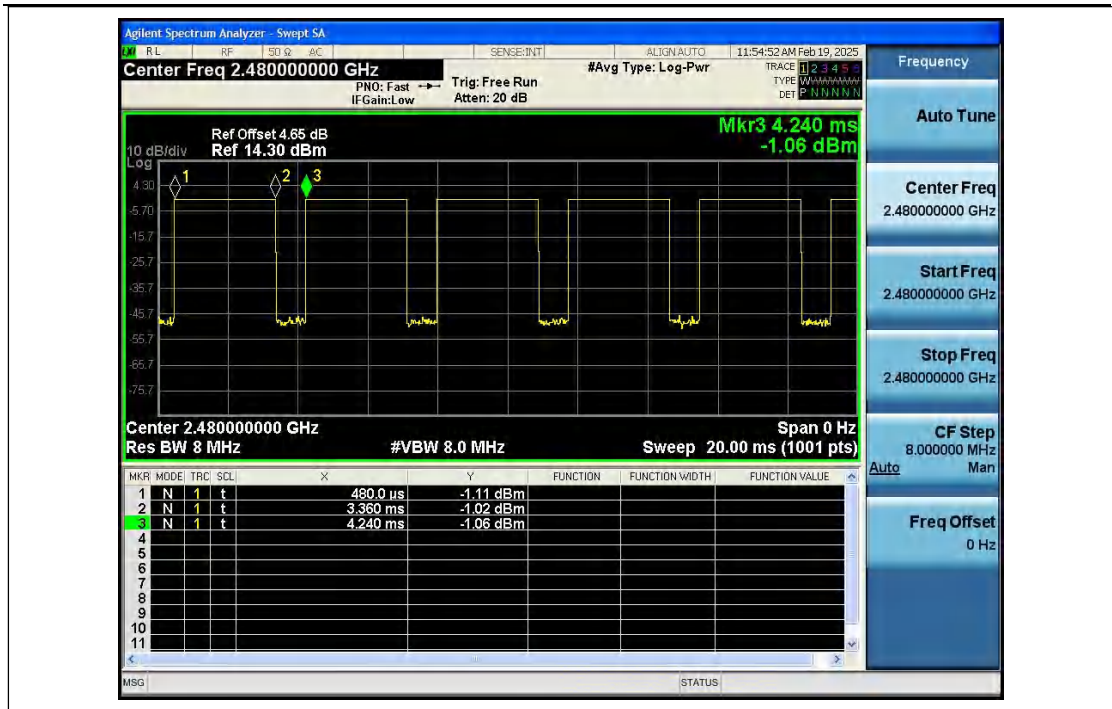




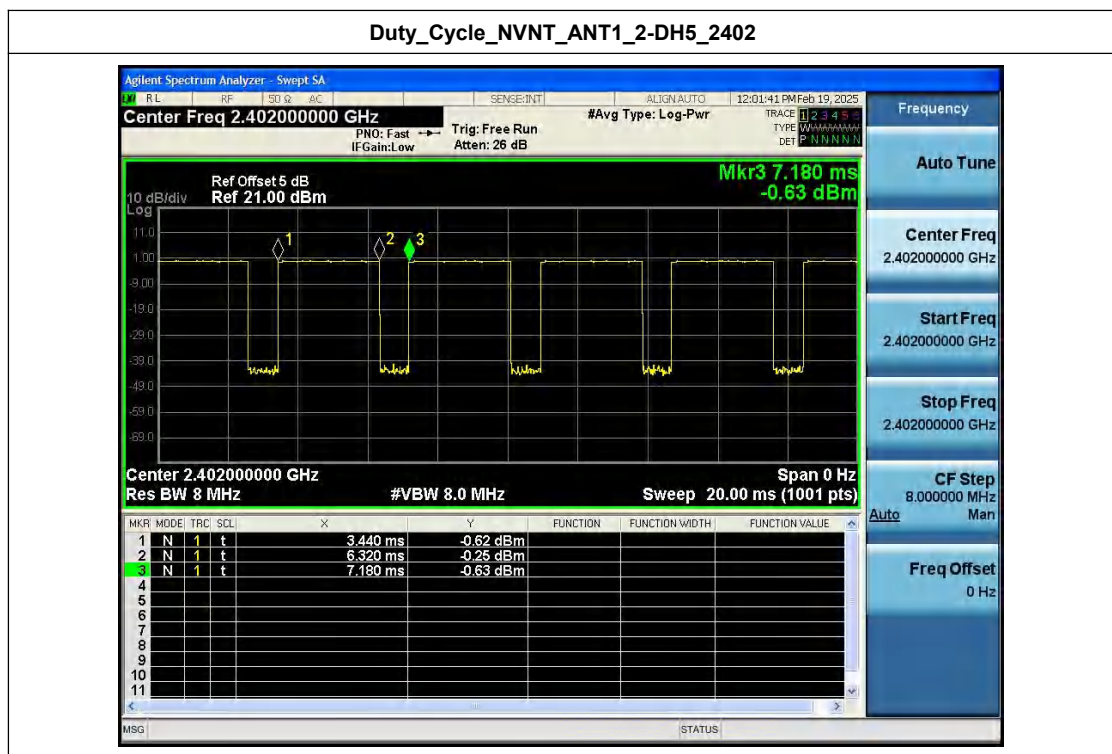
Duty_Cycle_NVNT_ANT1_1-DH5_2441



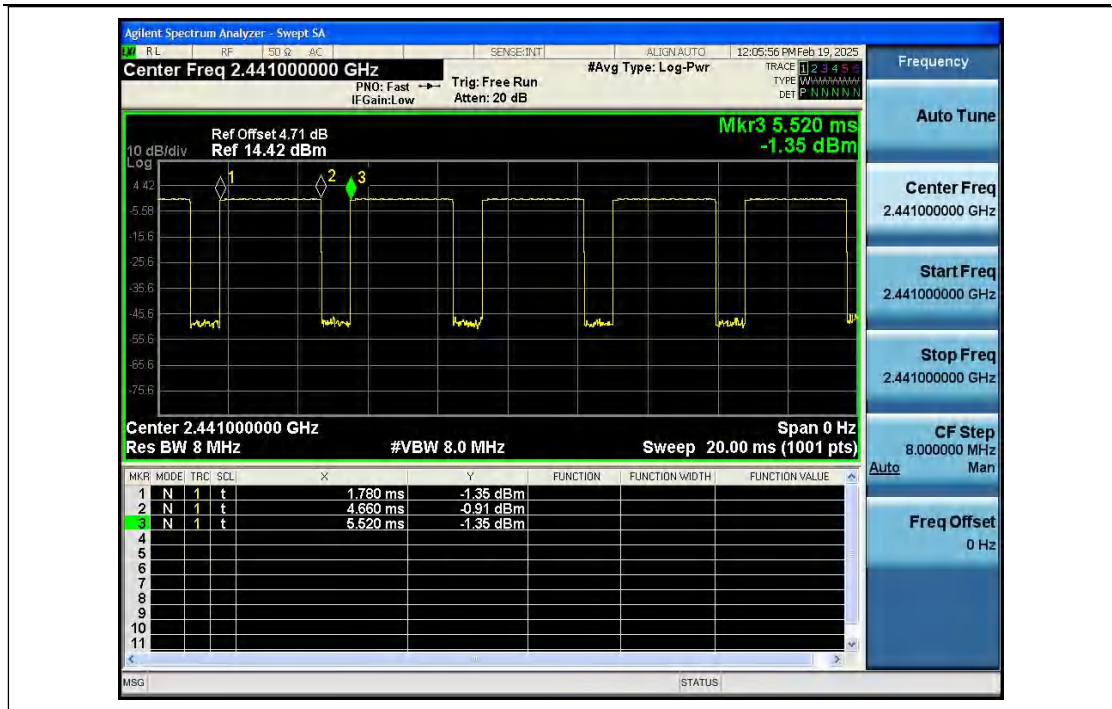
Duty_Cycle_NVNT_ANT1_1-DH5_2480



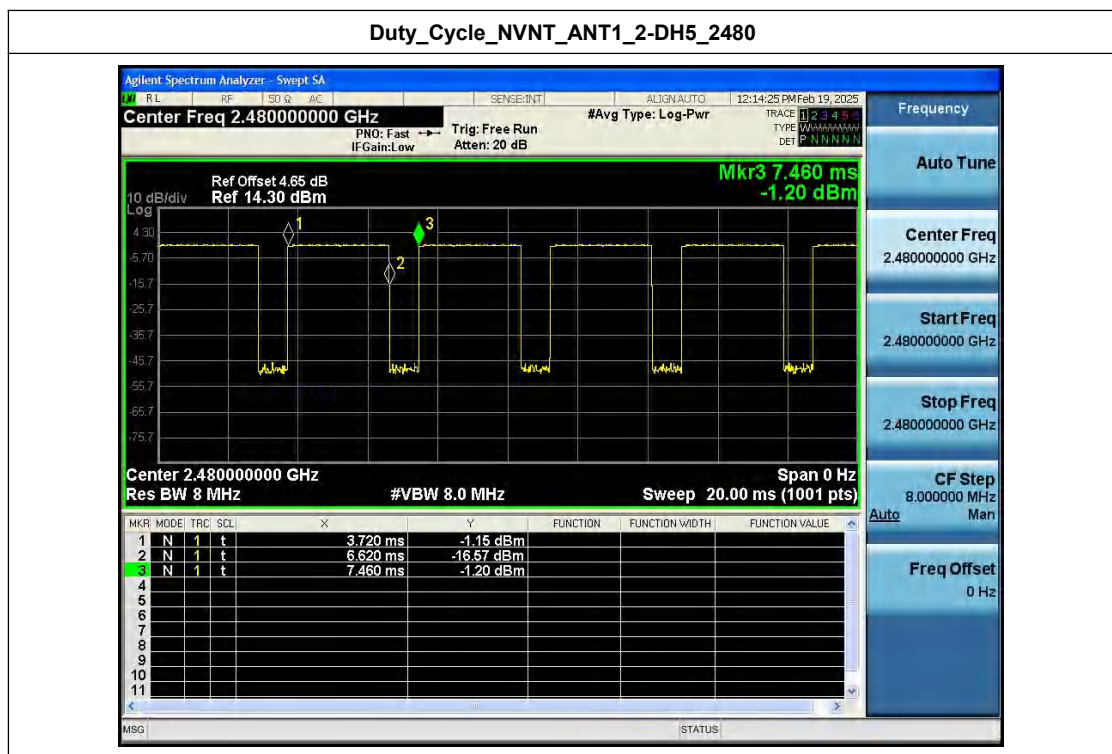
Duty_Cycle_NVNT_ANT1_2-DH5_2402



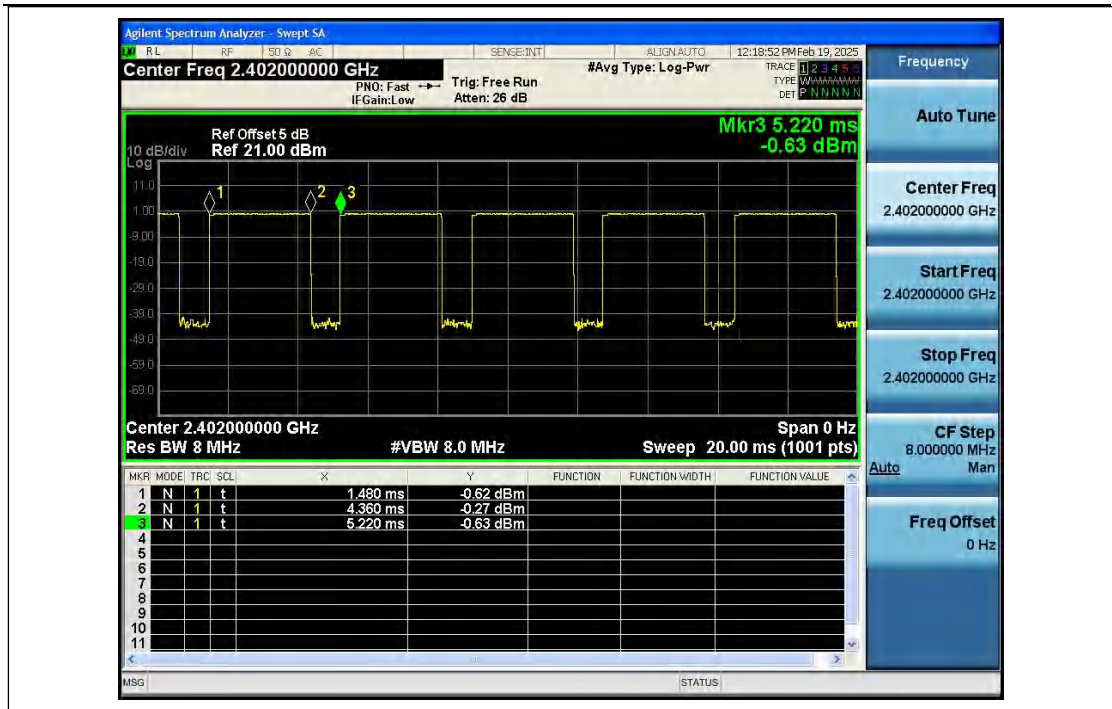
Duty_Cycle_NVNT_ANT1_2-DH5_2441



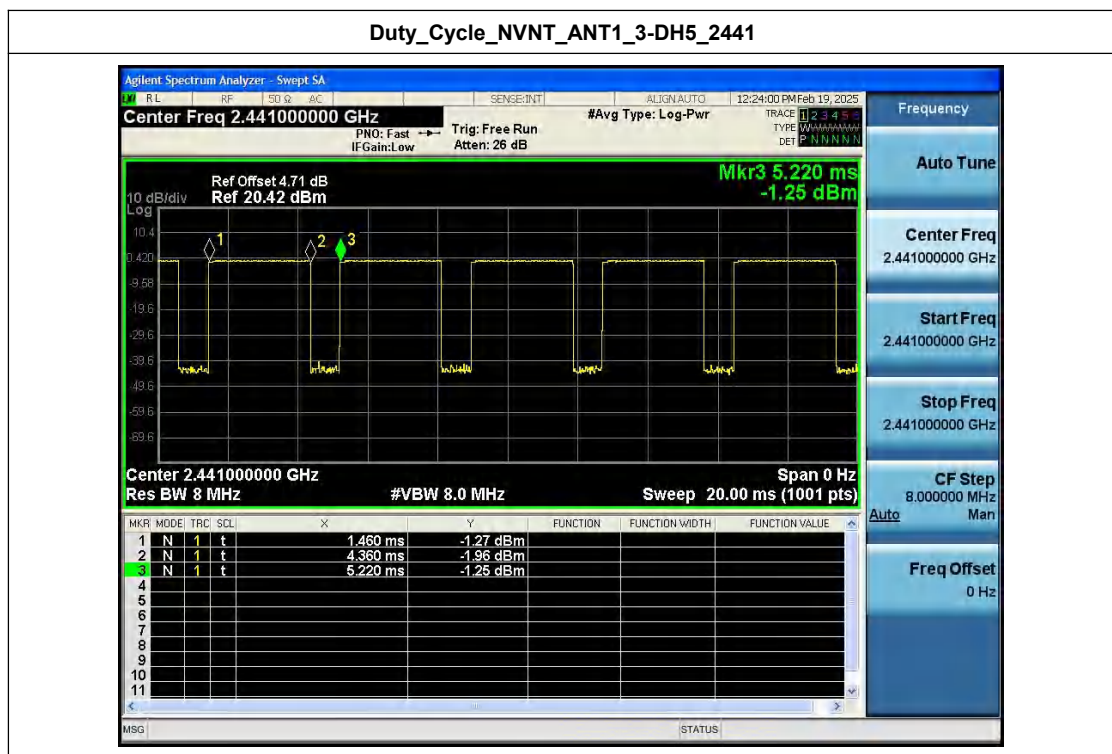
Duty_Cycle_NVNT_ANT1_2-DH5_2480



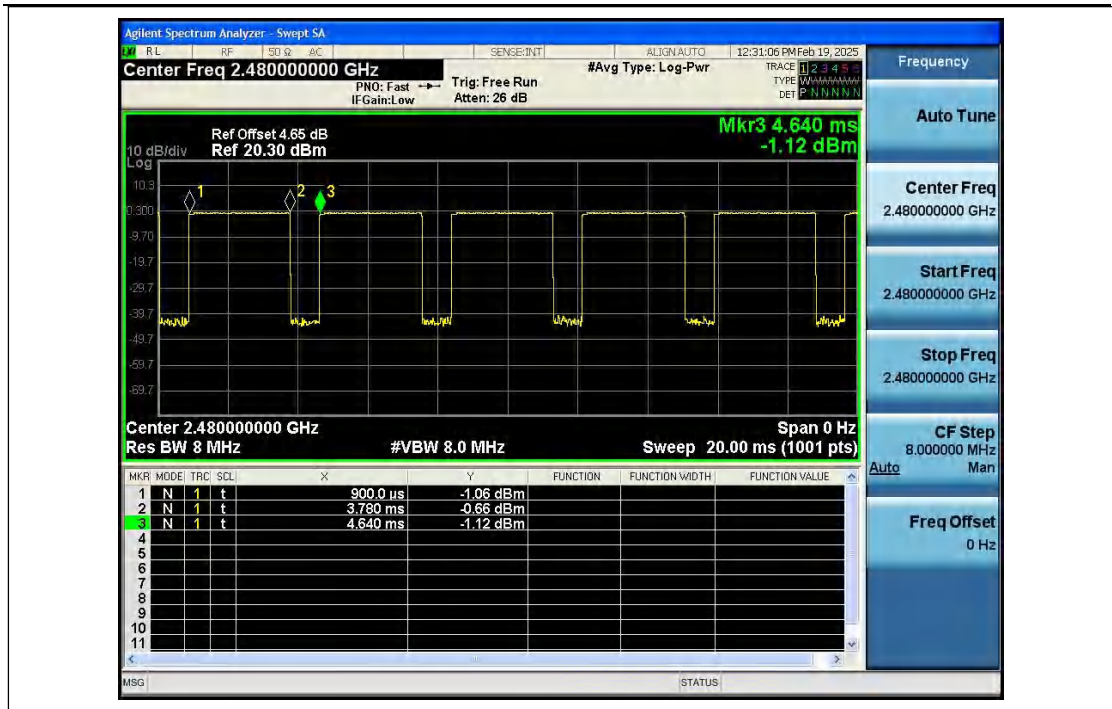
Duty_Cycle_NVNT_ANT1_3-DH5_2402



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	1.023	Yes
NVNT	ANT1	1-DH5	2441.00	1.019	Yes
NVNT	ANT1	1-DH5	2480.00	1.017	Yes
NVNT	ANT1	2-DH5	2402.00	1.320	Yes
NVNT	ANT1	2-DH5	2441.00	1.323	Yes
NVNT	ANT1	2-DH5	2480.00	1.326	Yes
NVNT	ANT1	3-DH5	2402.00	1.305	Yes
NVNT	ANT1	3-DH5	2441.00	1.306	Yes
NVNT	ANT1	3-DH5	2480.00	1.310	Yes

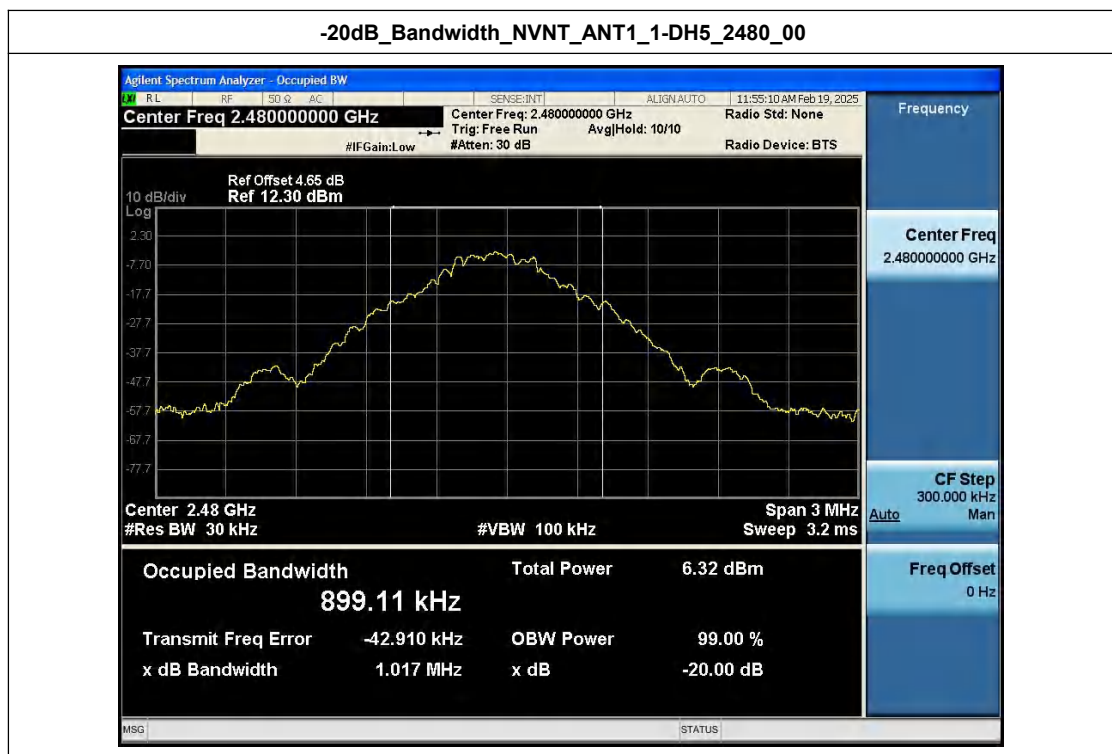
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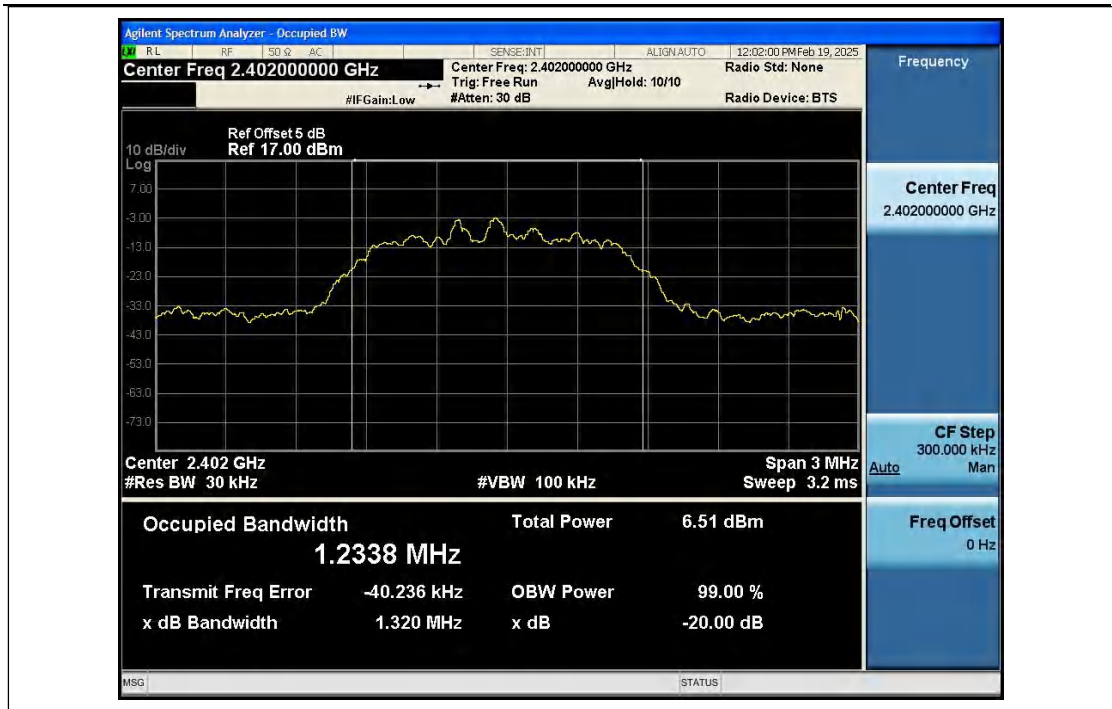
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



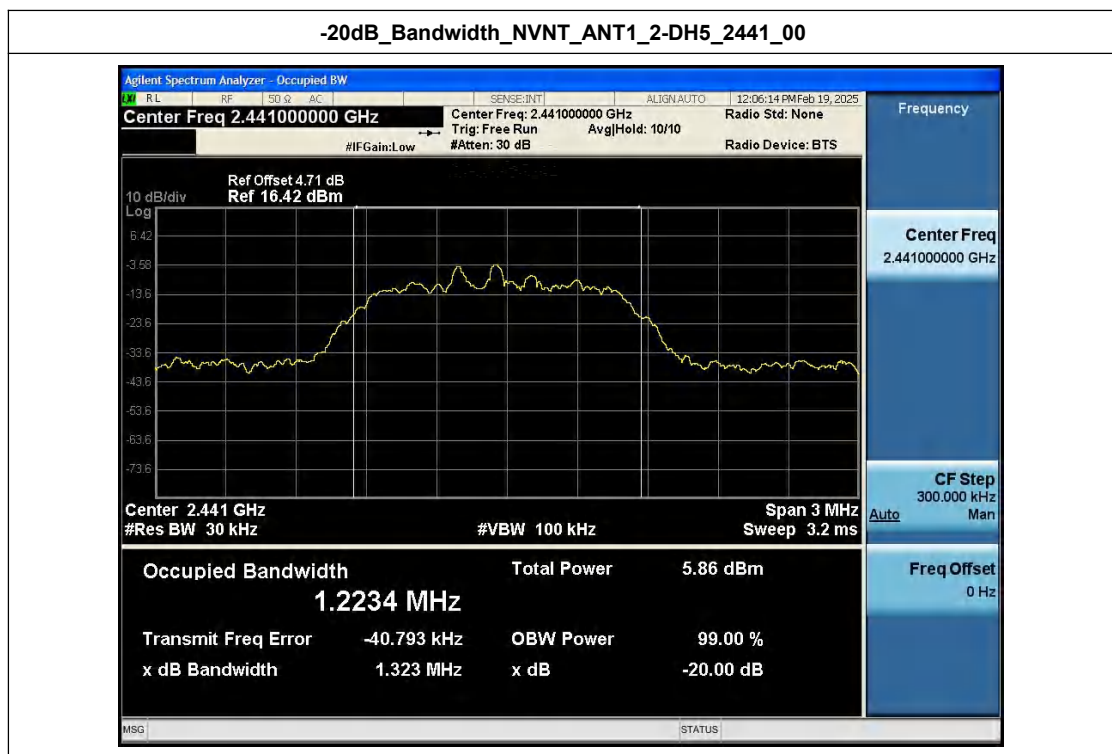
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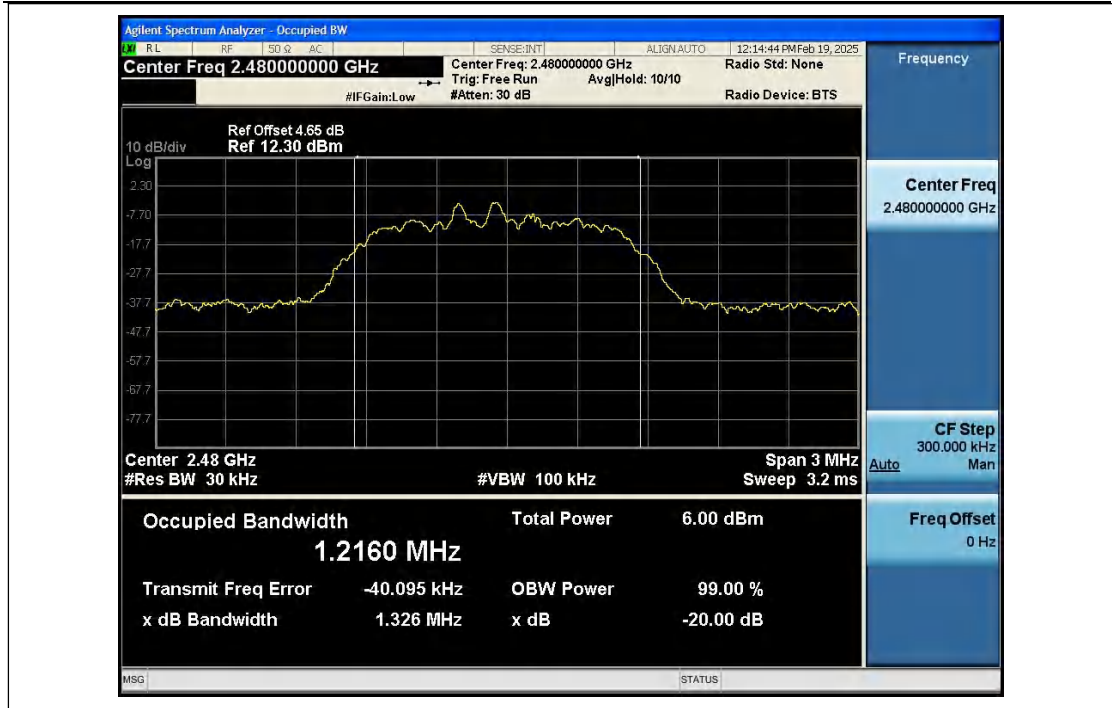
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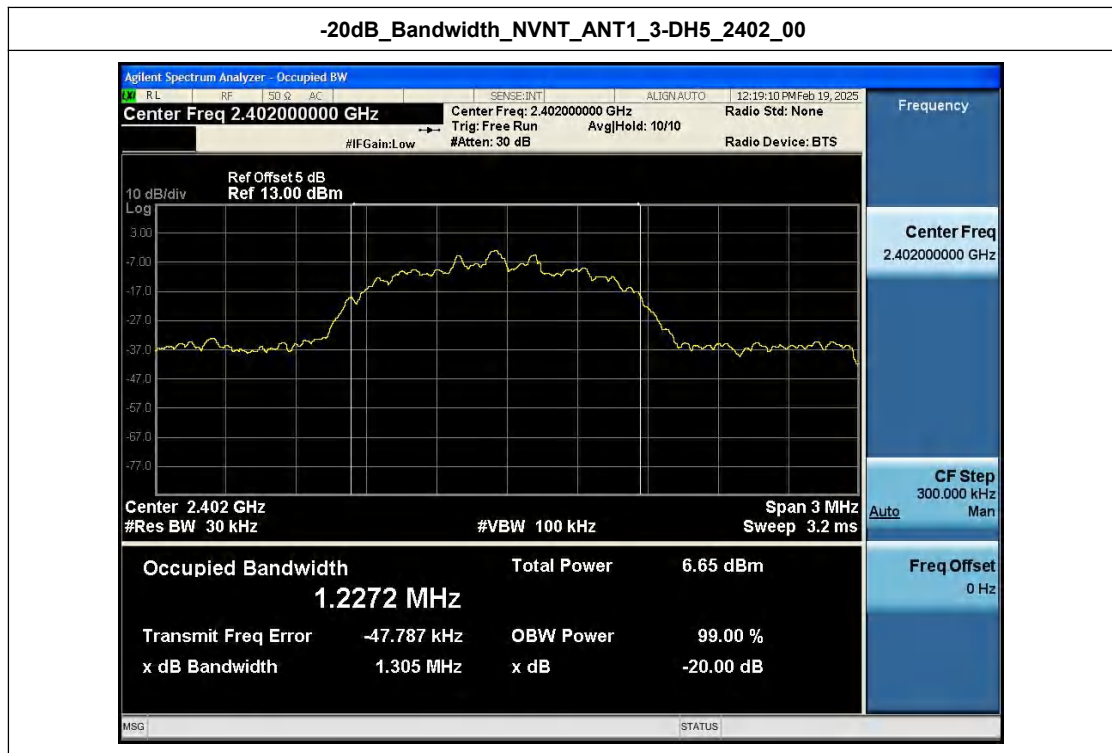
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-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00

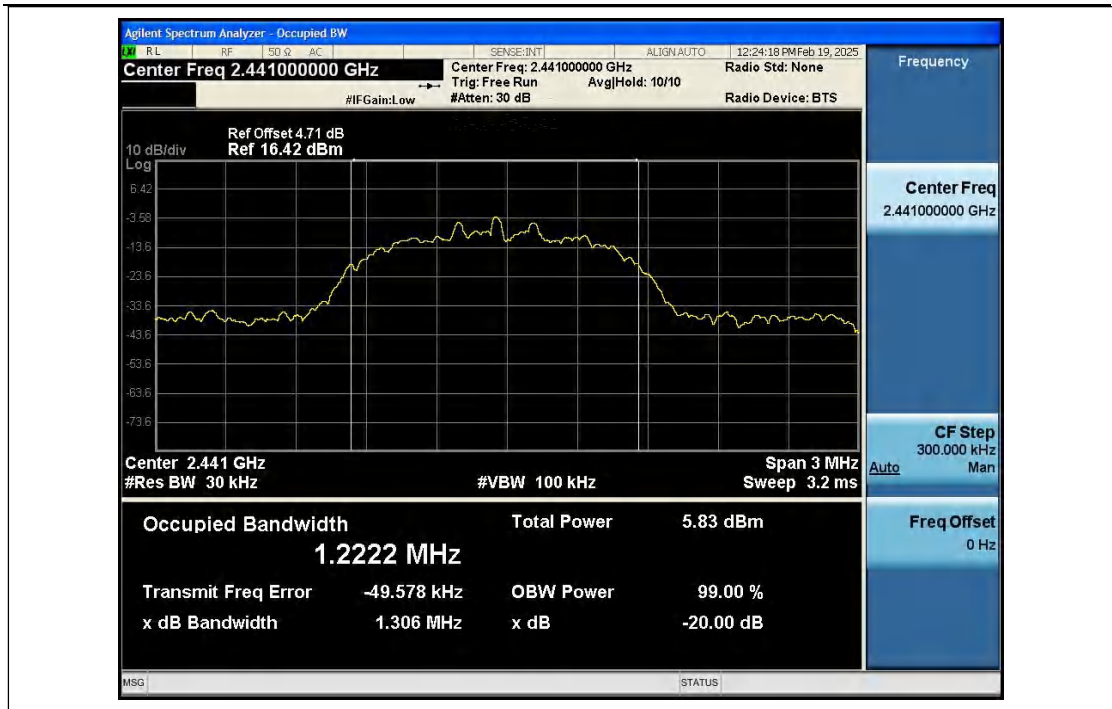


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00

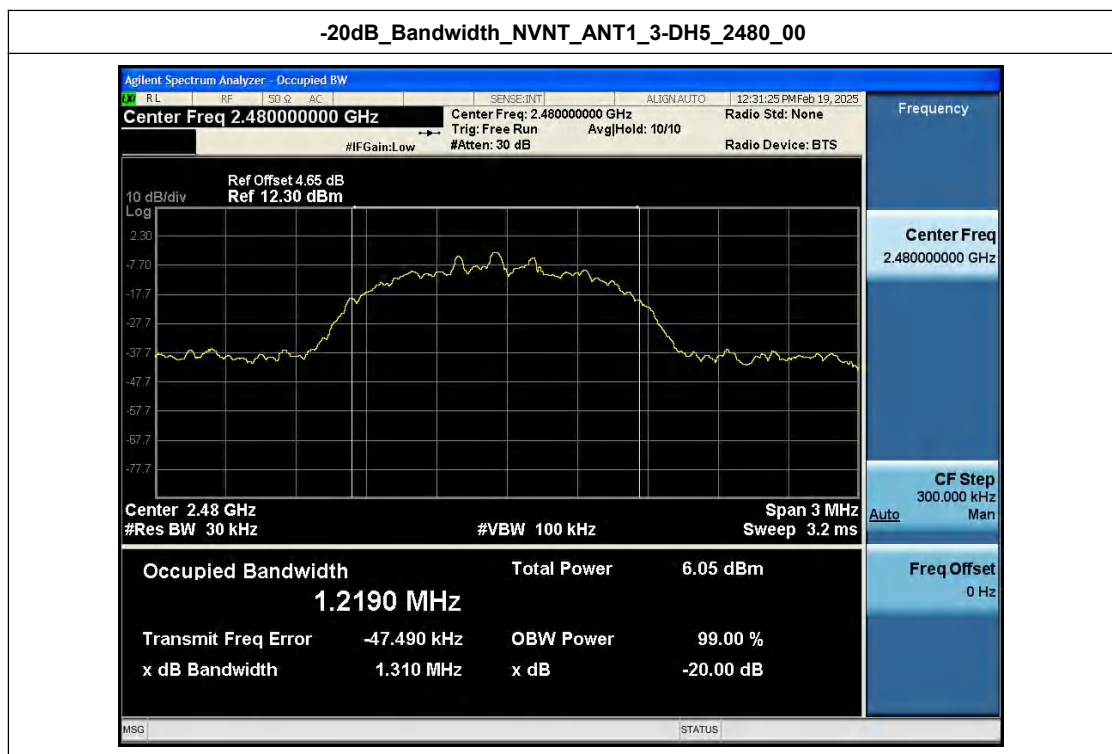


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00





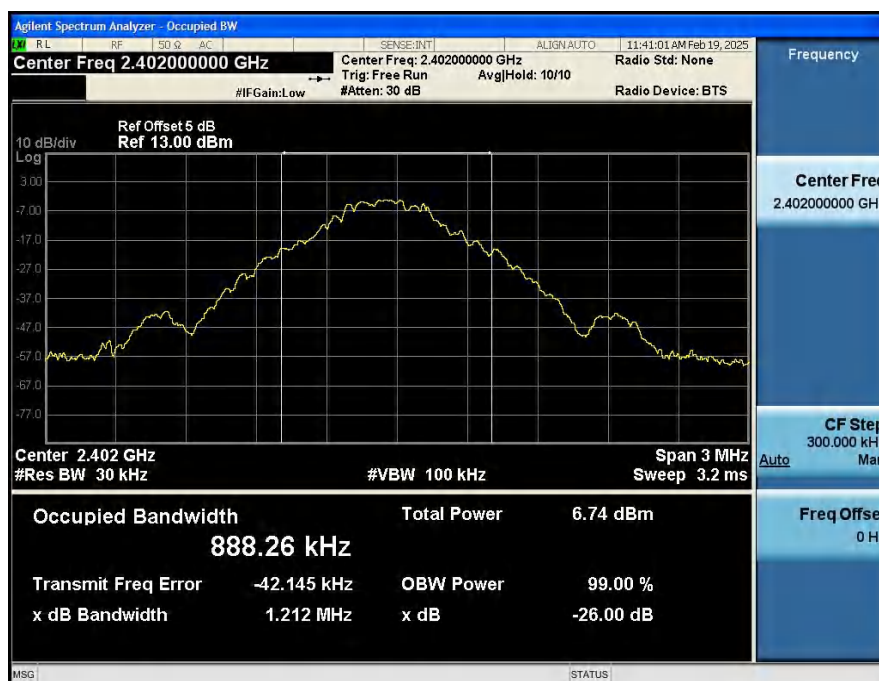
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.888
NVNT	ANT1	1-DH5	2441.00	0.891
NVNT	ANT1	1-DH5	2480.00	0.902
NVNT	ANT1	2-DH5	2402.00	1.238
NVNT	ANT1	2-DH5	2441.00	1.223
NVNT	ANT1	2-DH5	2480.00	1.221
NVNT	ANT1	3-DH5	2402.00	1.228
NVNT	ANT1	3-DH5	2441.00	1.222
NVNT	ANT1	3-DH5	2480.00	1.218

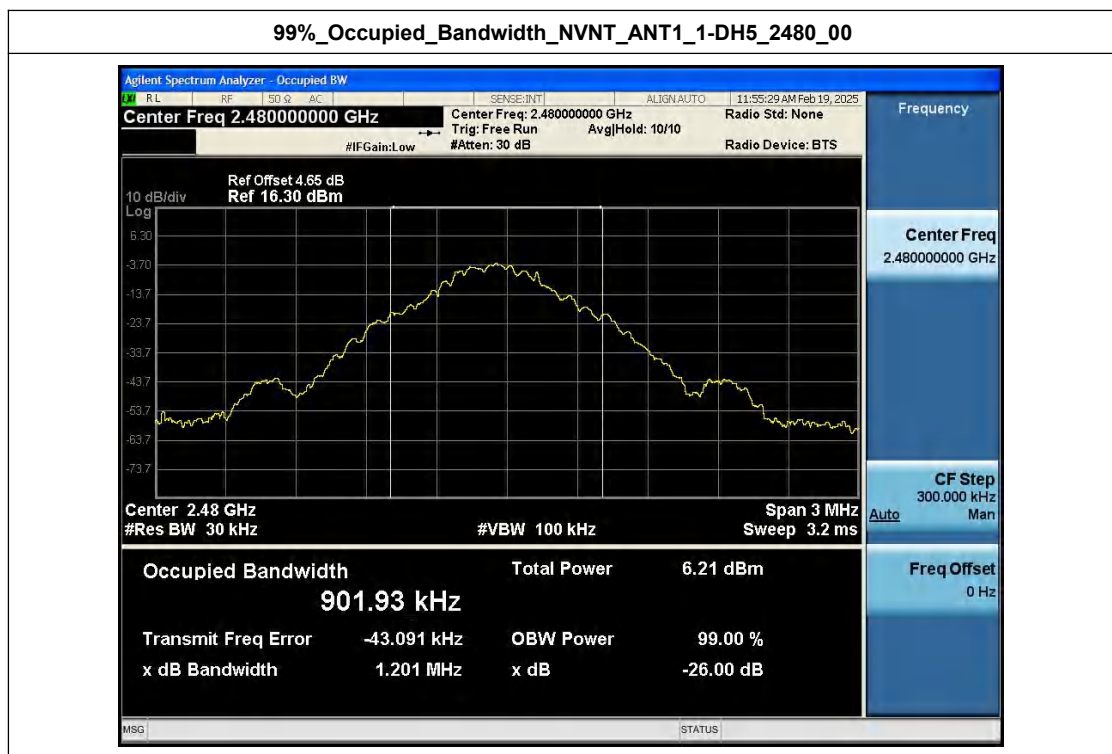
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



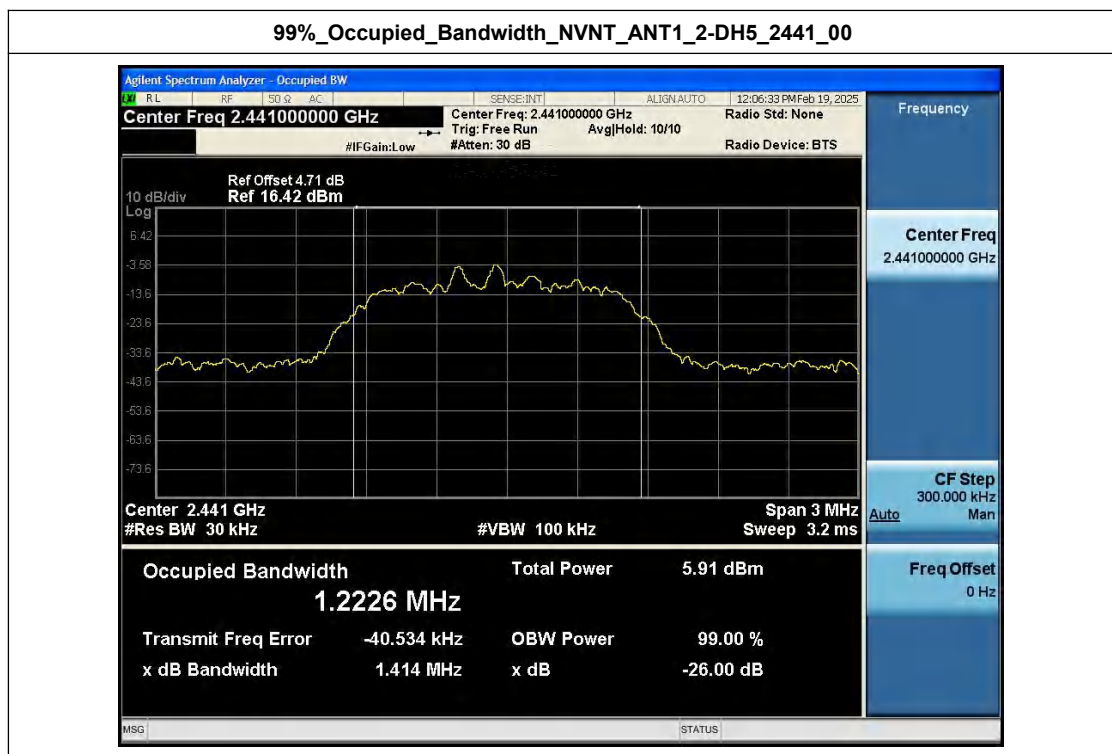
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



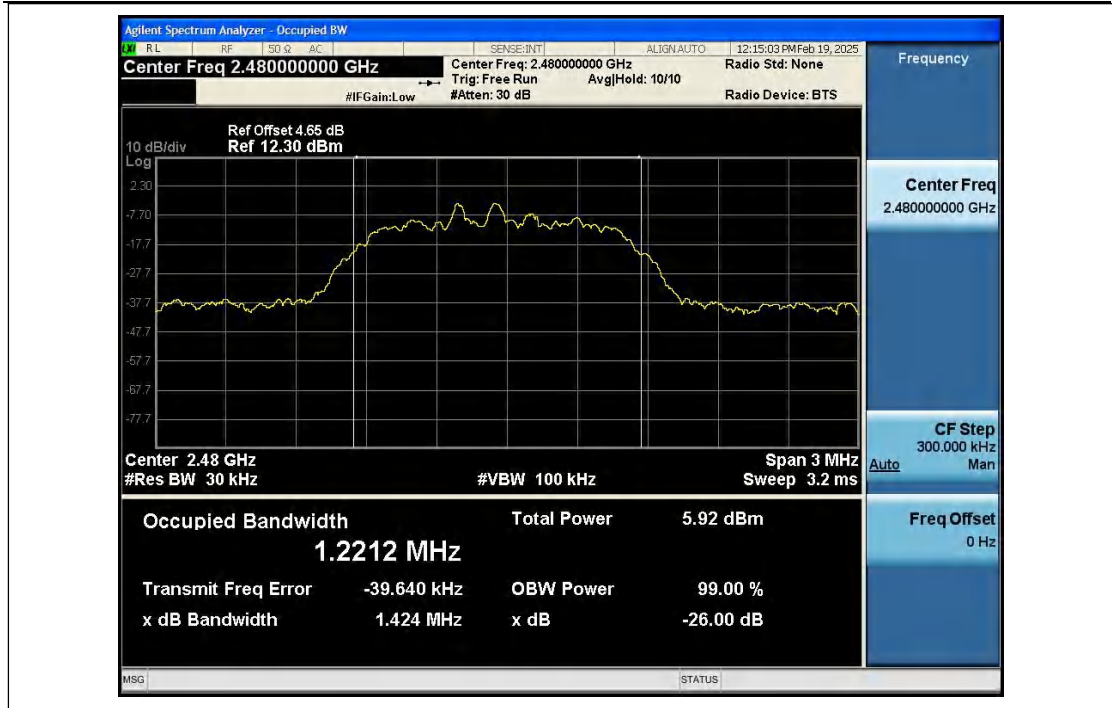
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



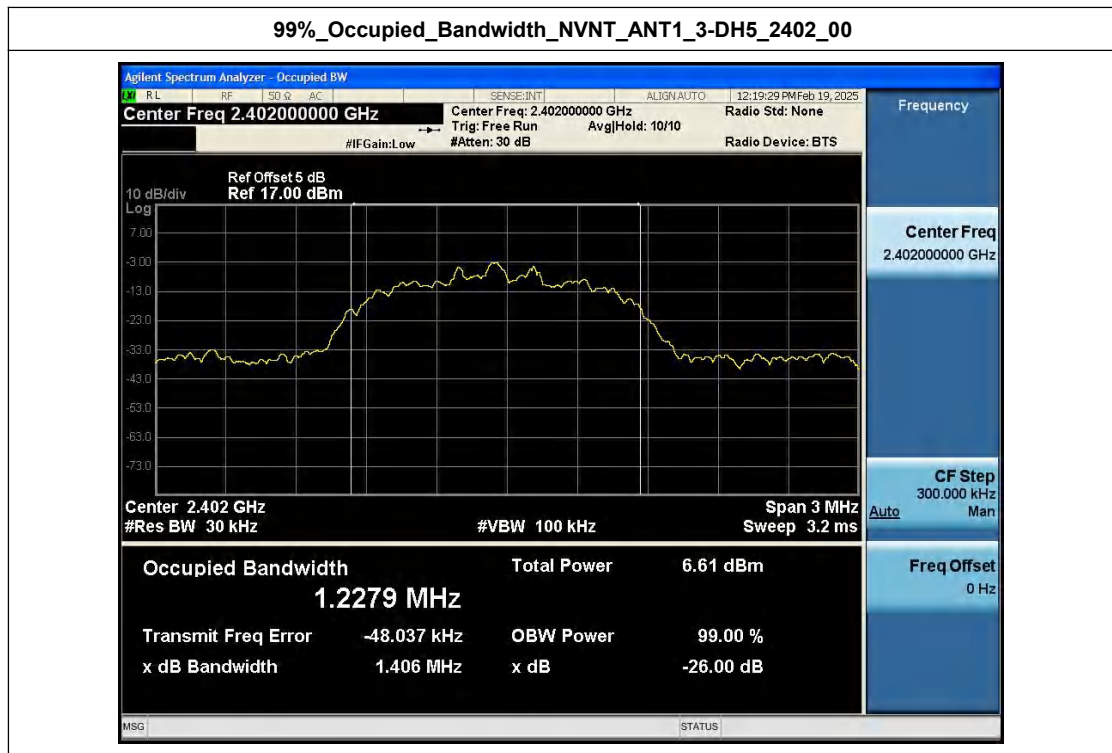
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00

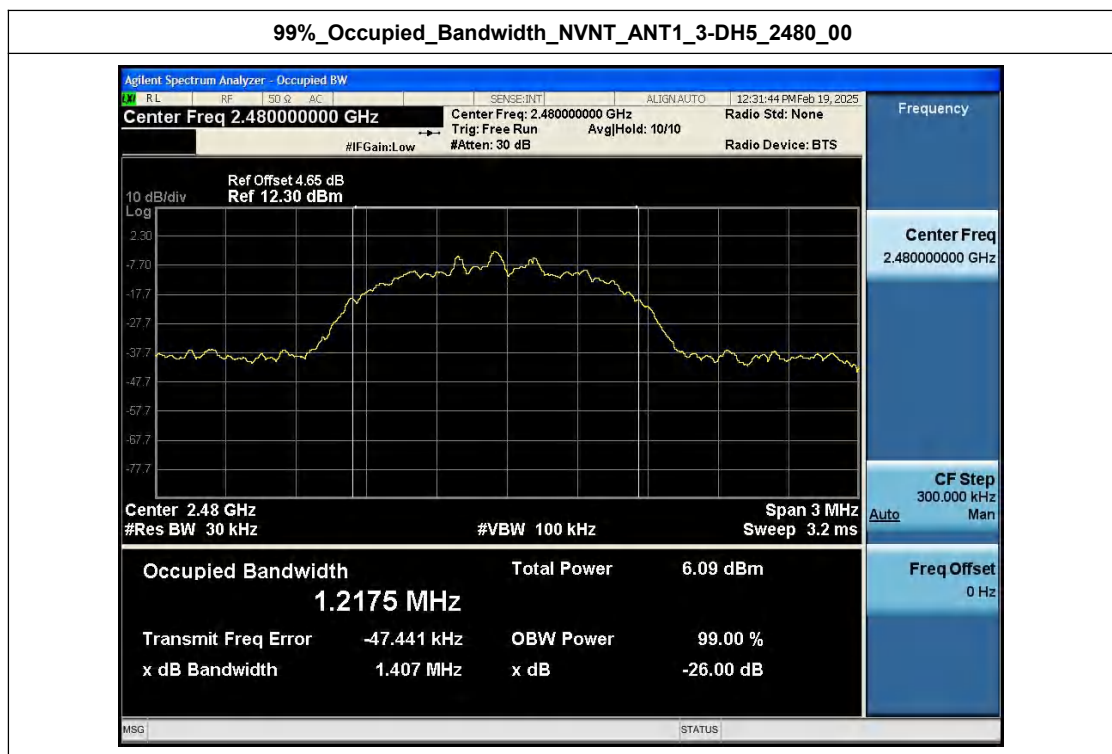


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00





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	-0.51	0.89	125	Pass
NVNT	ANT1	1-DH5	2441.00	-1.17	0.76	125	Pass
NVNT	ANT1	1-DH5	2480.00	-1.00	0.79	125	Pass
NVNT	ANT1	2-DH5	2402.00	-0.12	0.97	125	Pass
NVNT	ANT1	2-DH5	2441.00	-0.75	0.84	125	Pass
NVNT	ANT1	2-DH5	2480.00	-0.57	0.88	125	Pass
NVNT	ANT1	3-DH5	2402.00	0.15	1.04	125	Pass
NVNT	ANT1	3-DH5	2441.00	-0.44	0.90	125	Pass
NVNT	ANT1	3-DH5	2480.00	-0.31	0.93	125	Pass

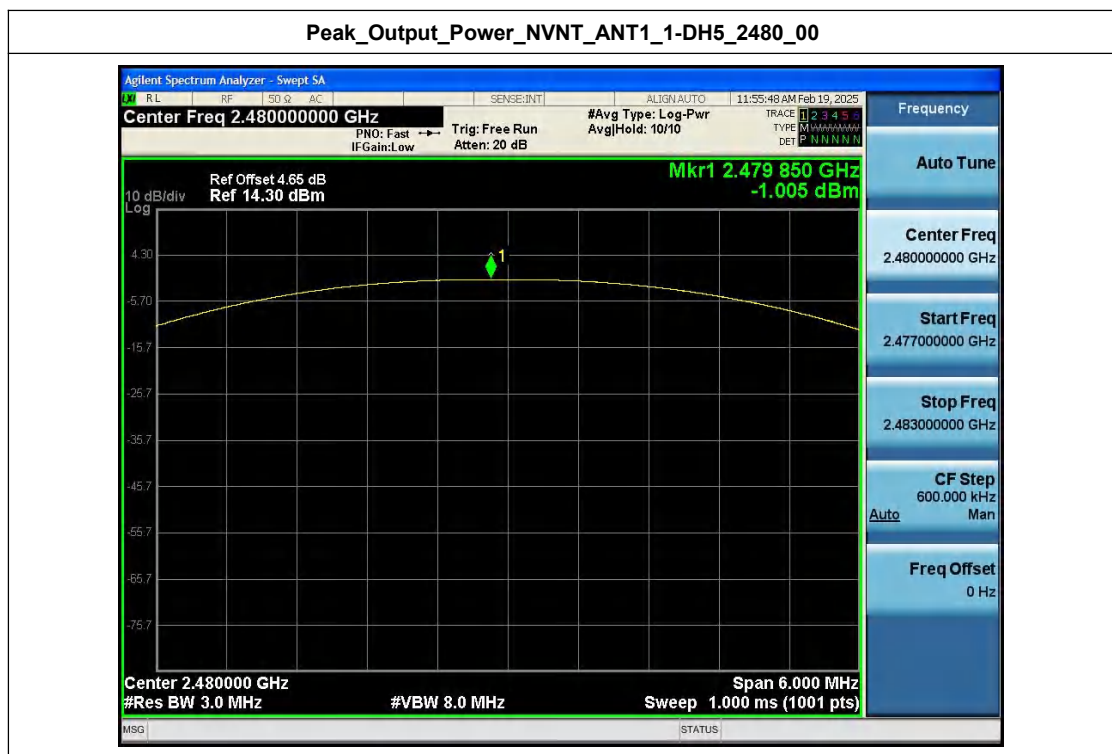
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Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



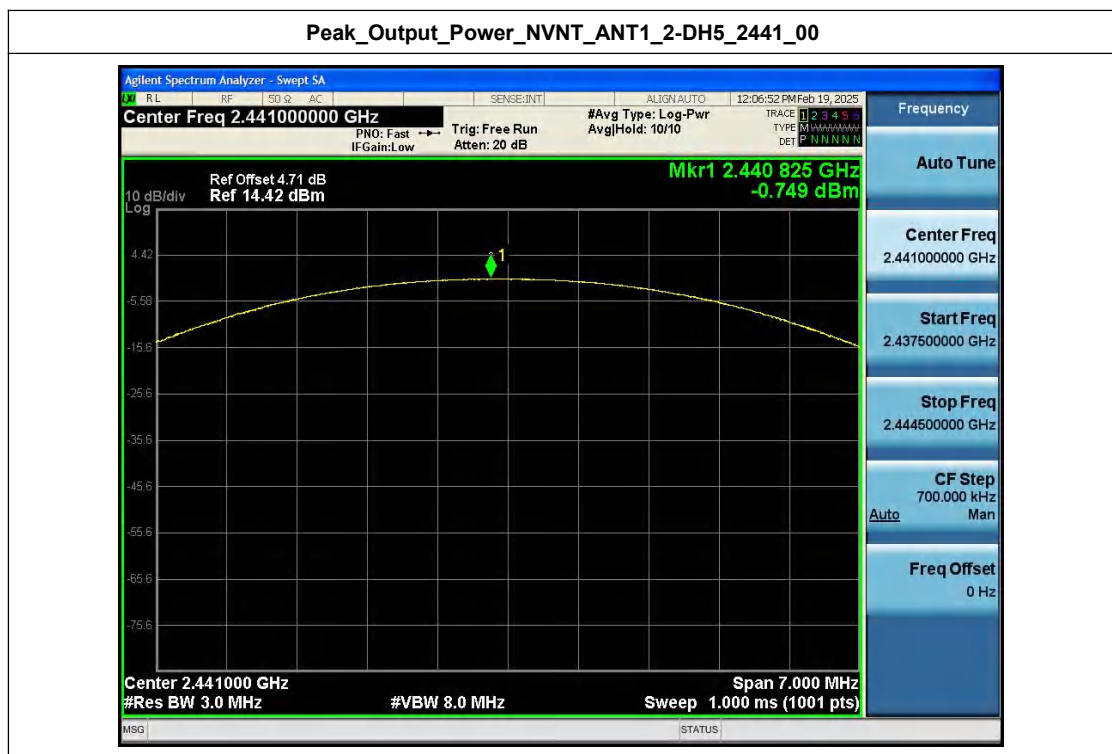
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



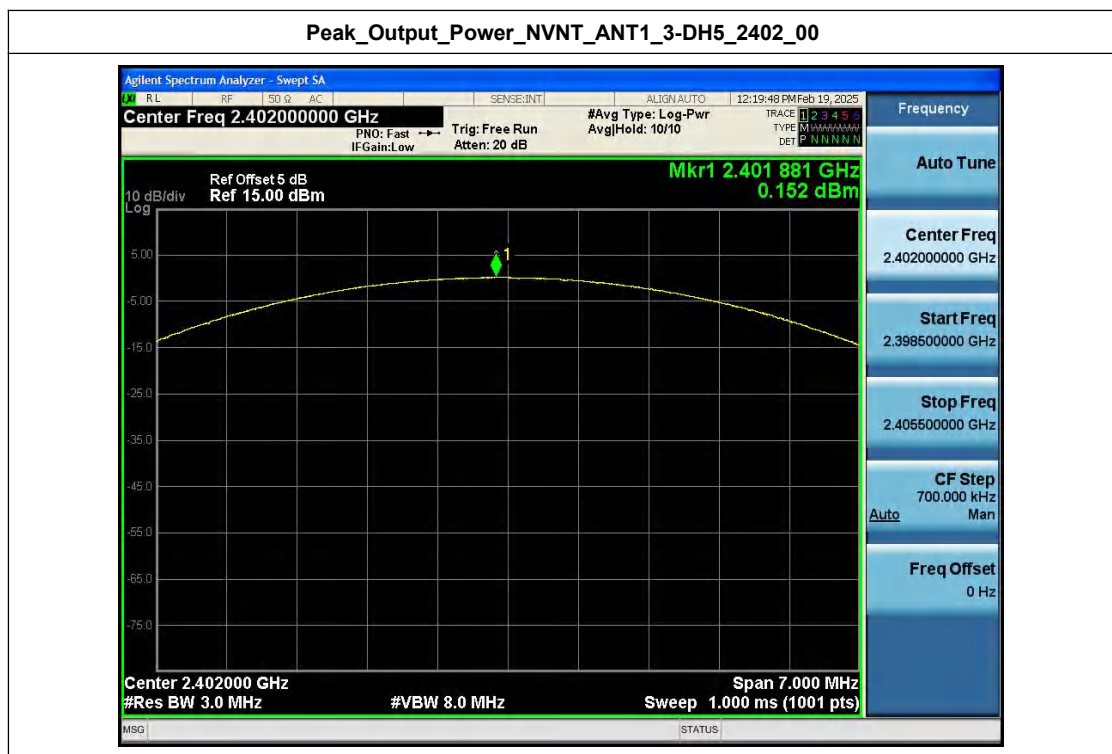
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



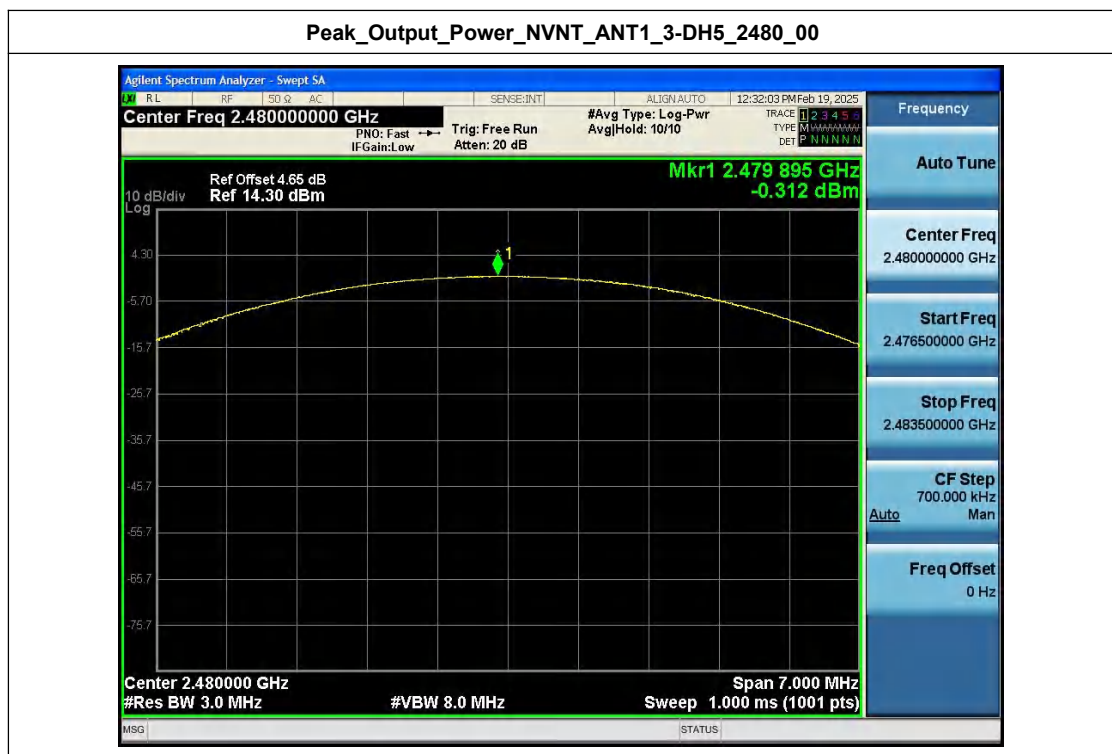
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



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

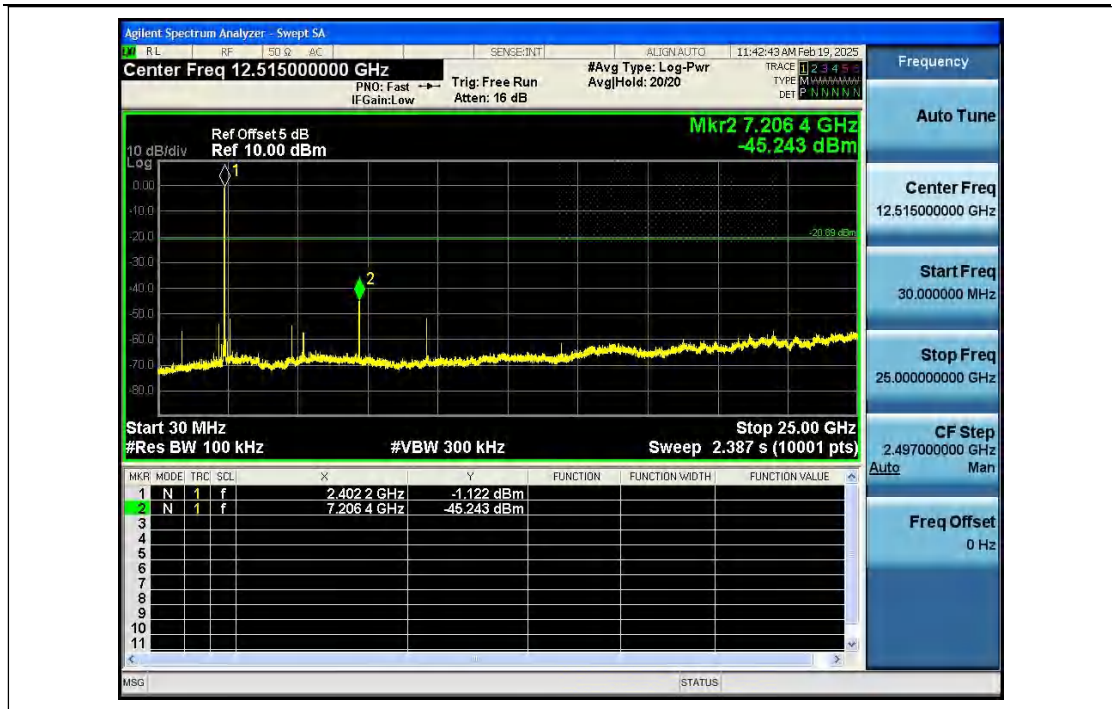
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-0.887	-45.243	-20.887	Pass
NVNT	ANT1	1-DH5	2441.00	-1.637	-36.717	-21.637	Pass
NVNT	ANT1	1-DH5	2480.00	-1.234	-48.046	-21.234	Pass
NVNT	ANT1	2-DH5	2402.00	-0.902	-40.834	-20.902	Pass
NVNT	ANT1	2-DH5	2441.00	-1.437	-49.997	-21.437	Pass
NVNT	ANT1	2-DH5	2480.00	-1.264	-47.958	-21.264	Pass
NVNT	ANT1	3-DH5	2402.00	-0.763	-50.830	-20.763	Pass
NVNT	ANT1	3-DH5	2441.00	-1.615	-46.879	-21.615	Pass
NVNT	ANT1	3-DH5	2480.00	-1.217	-47.588	-21.217	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

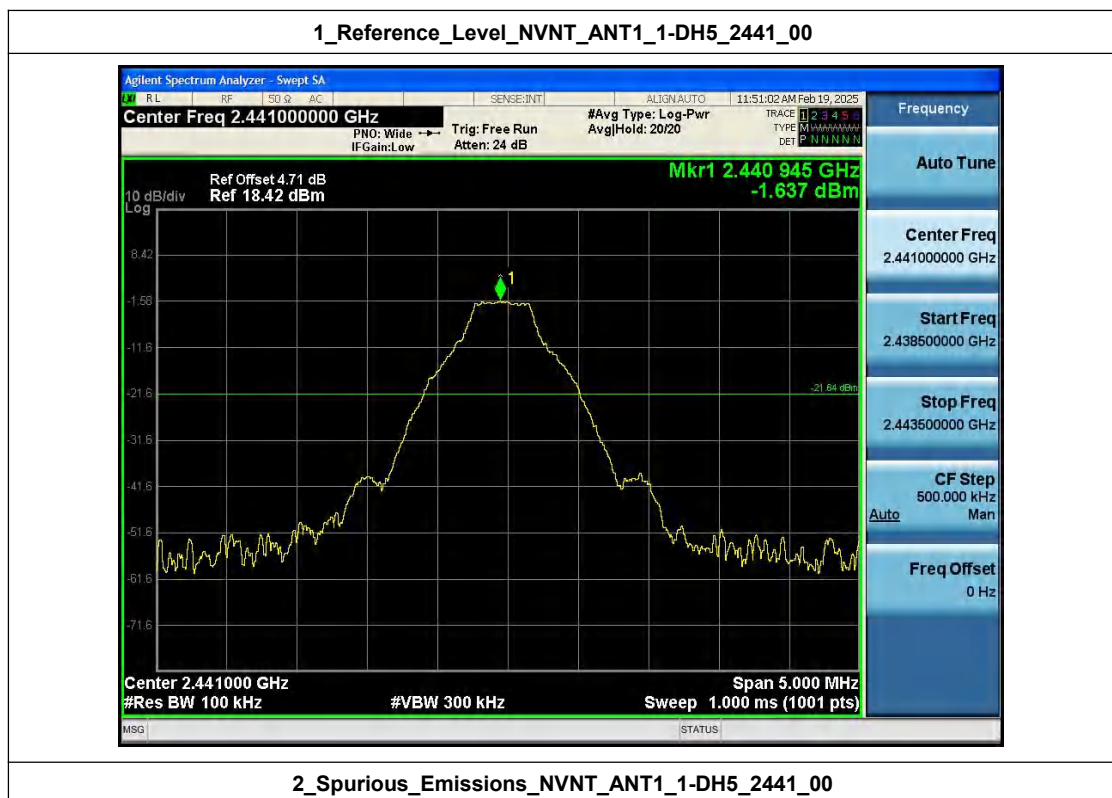


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00





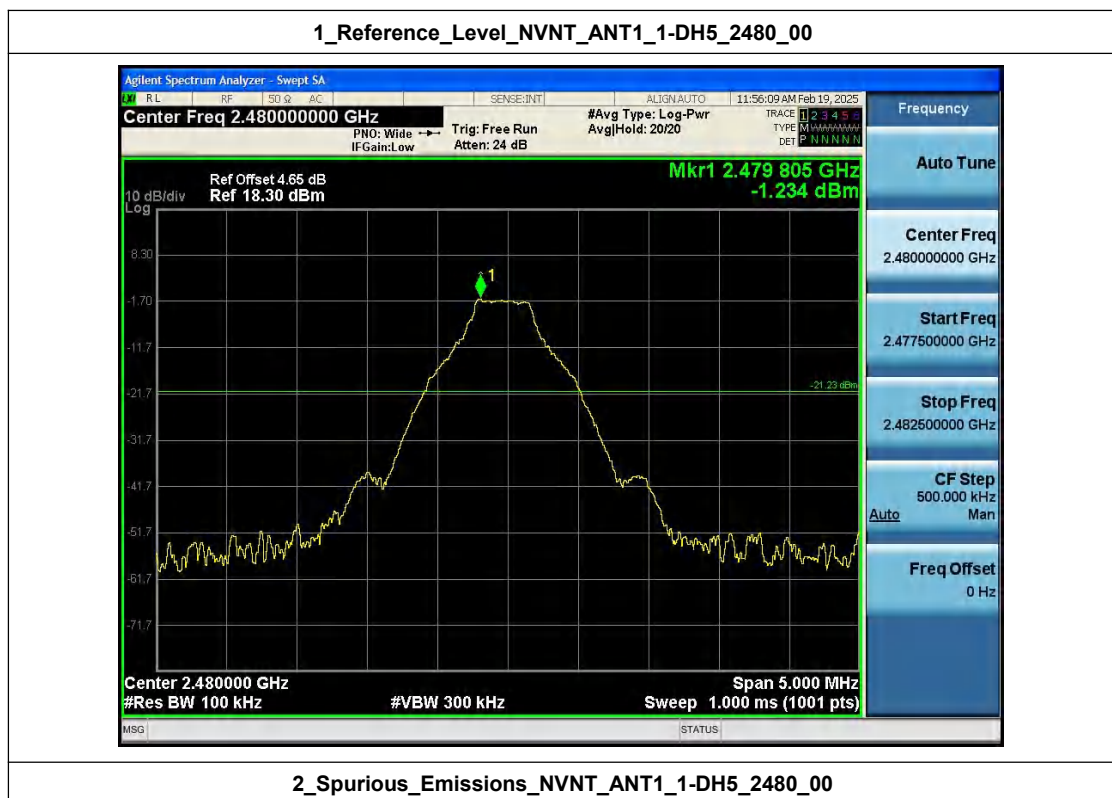
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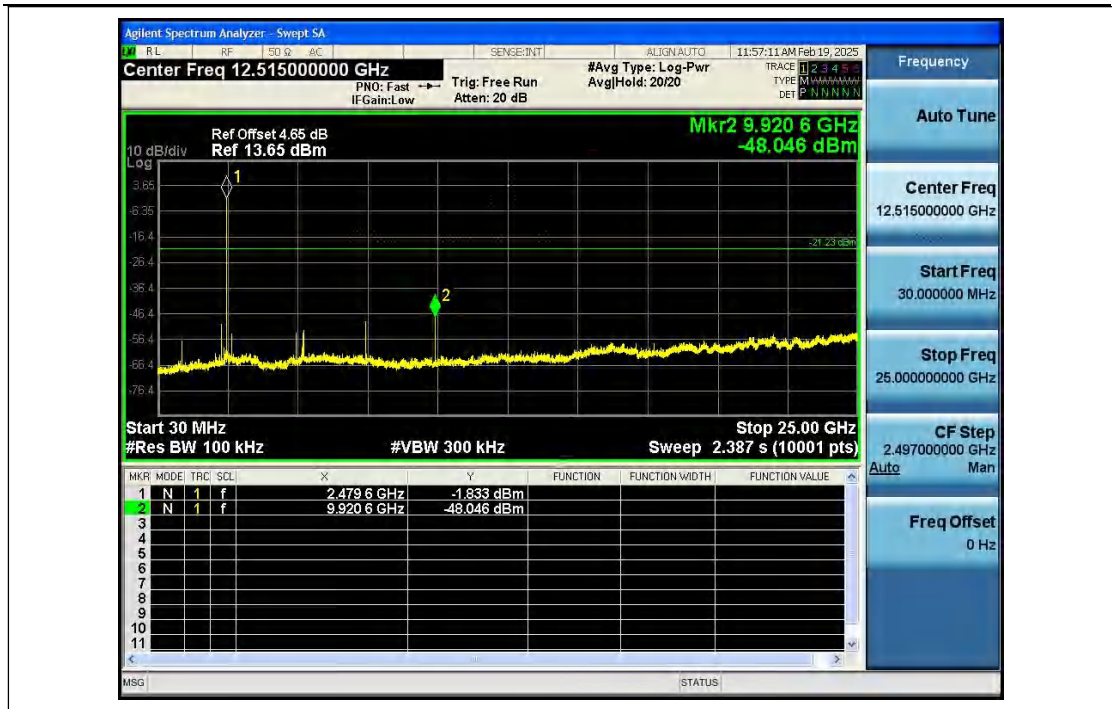
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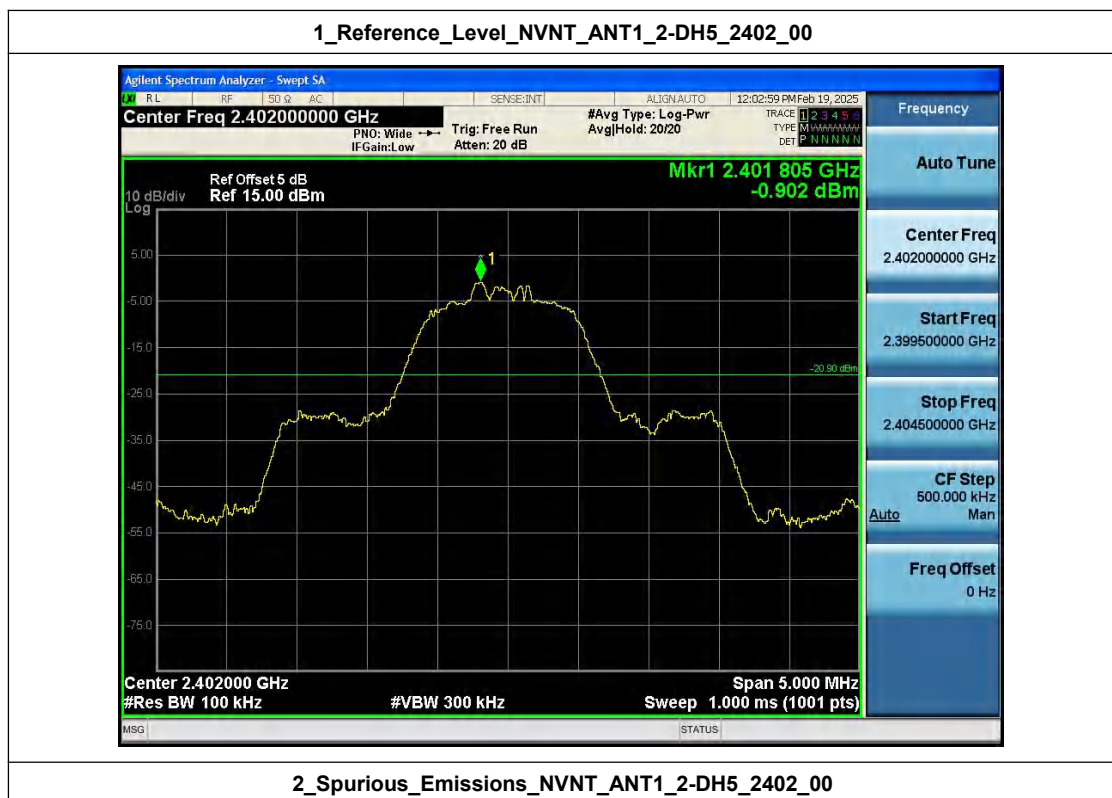
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



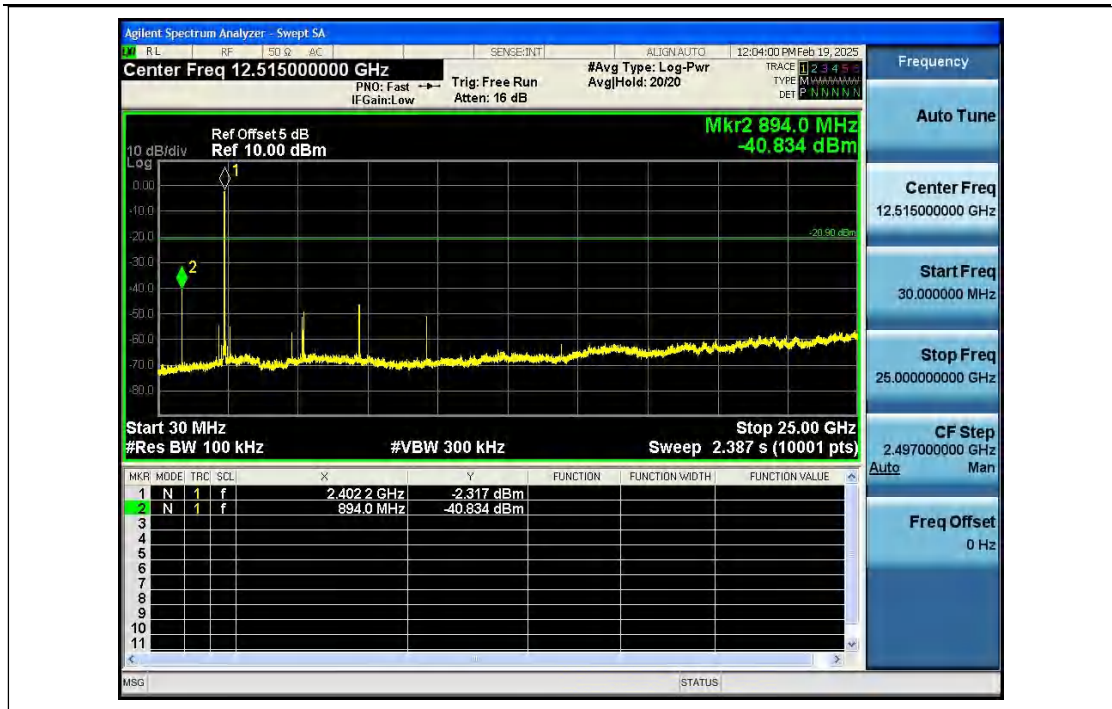
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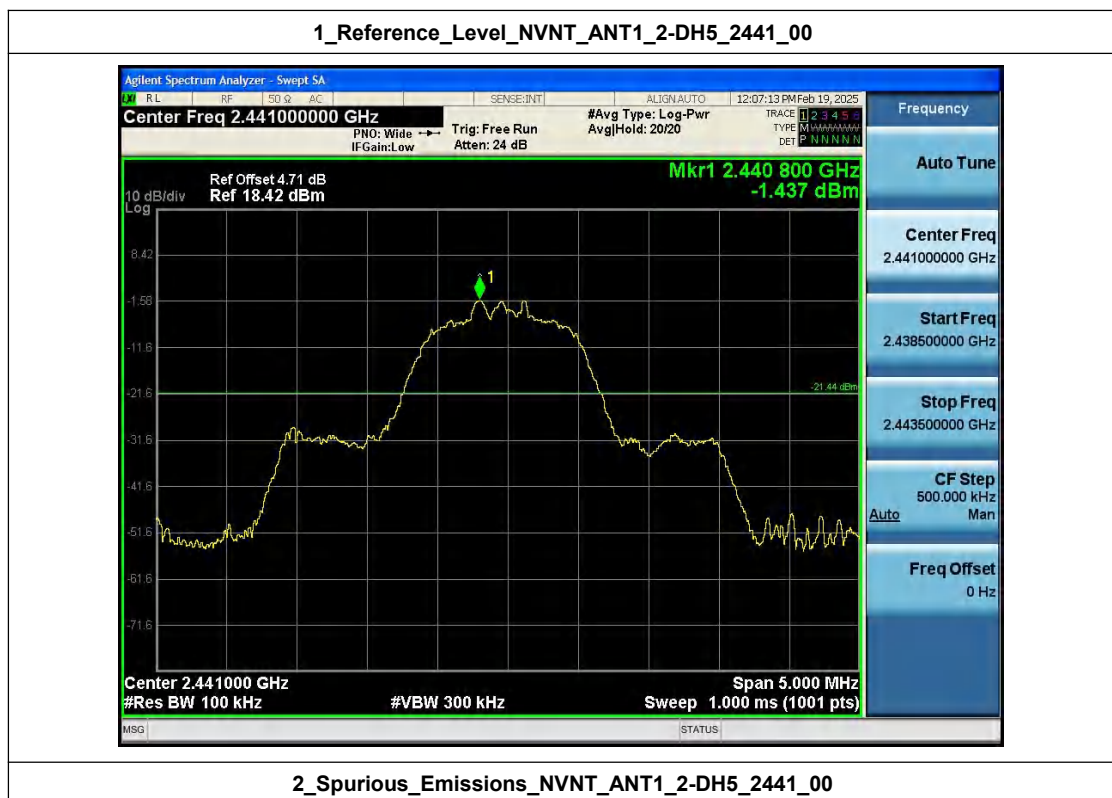
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



1_Reference_Level_NVNT_ANT1_2-DH5_2441_00



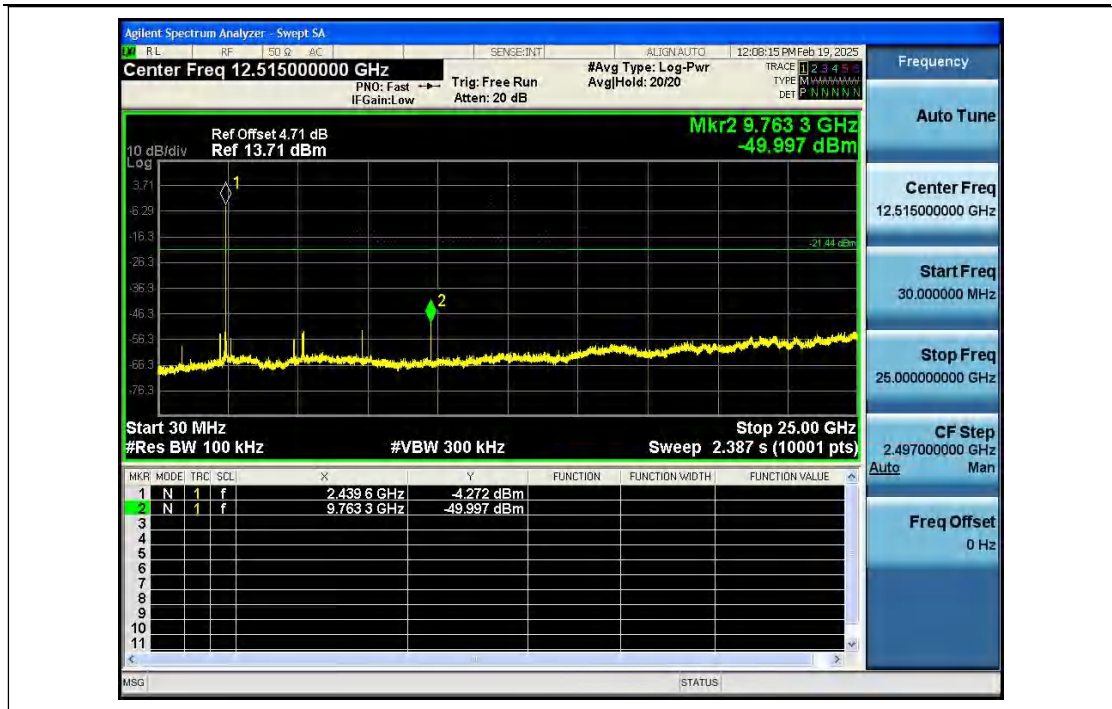
2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00

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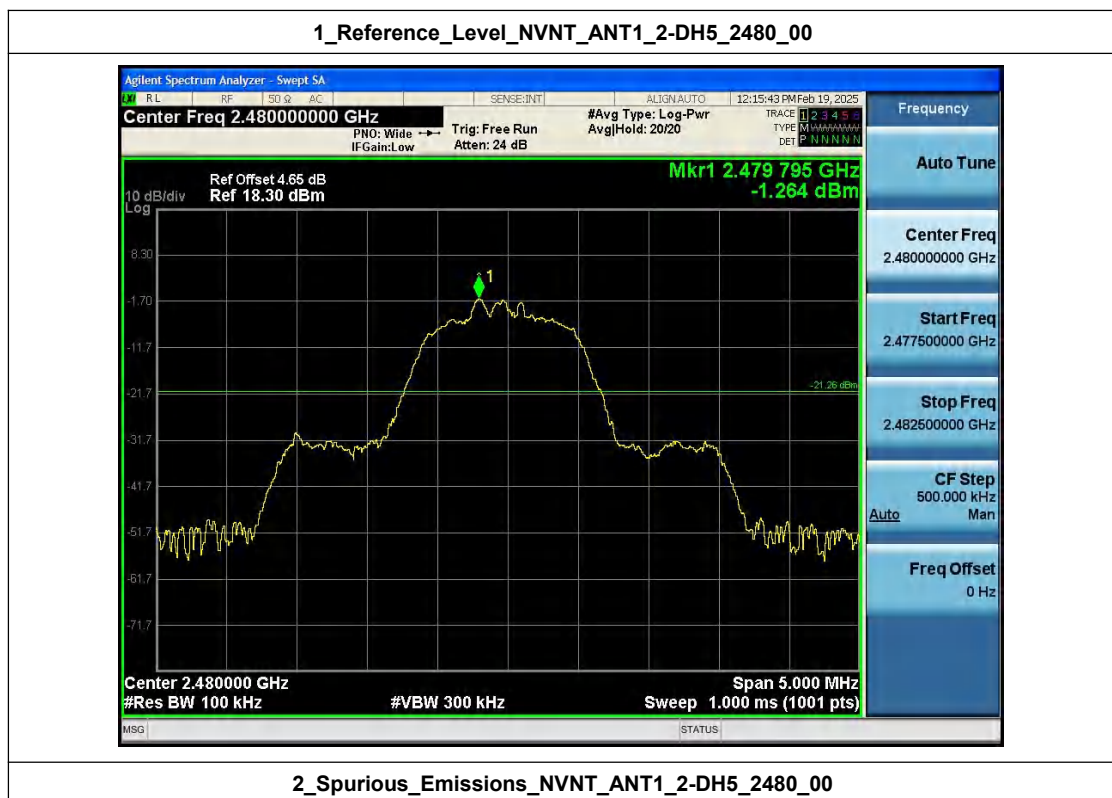
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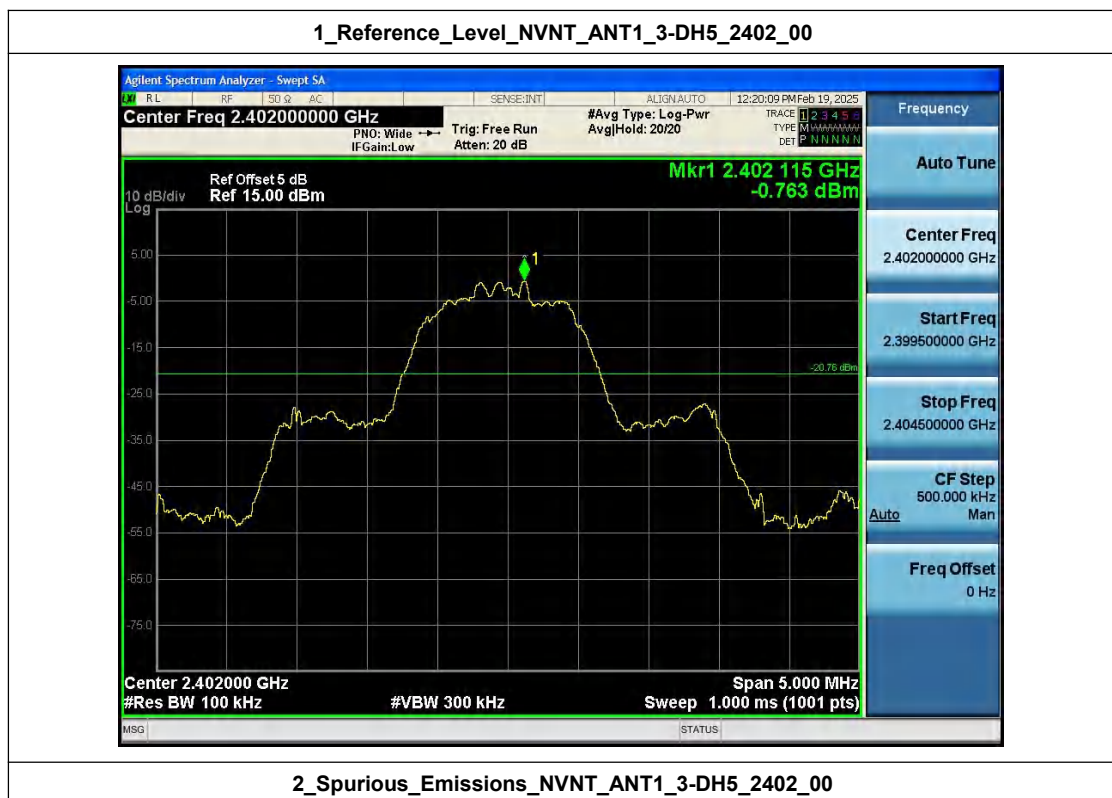
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



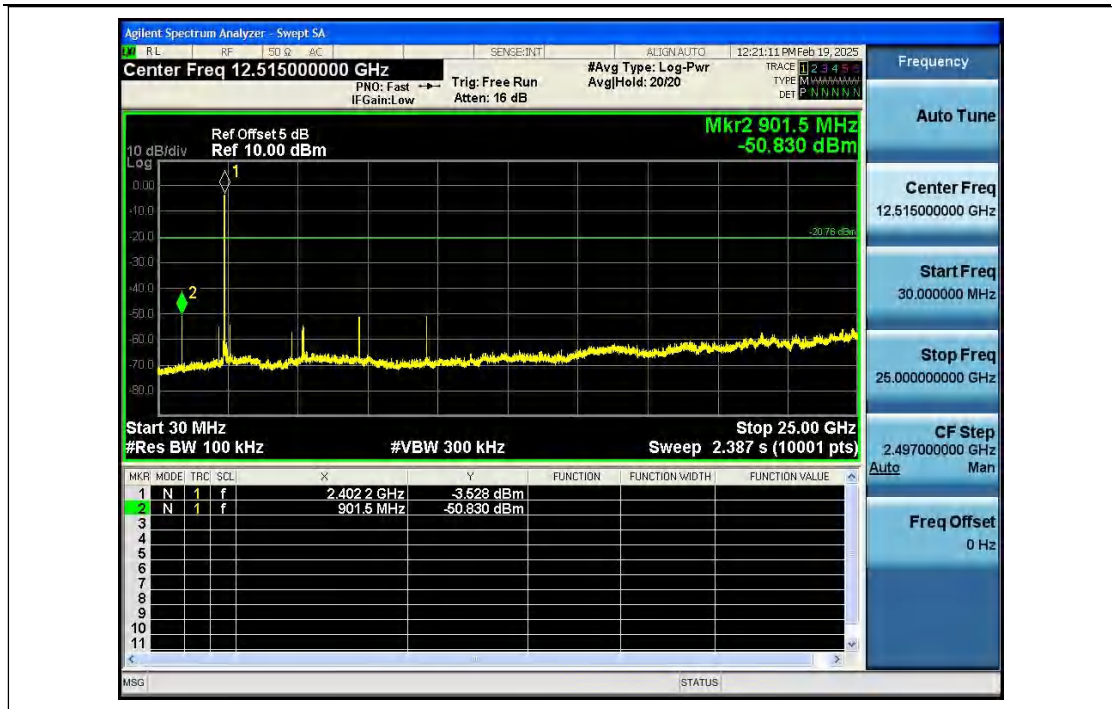
2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



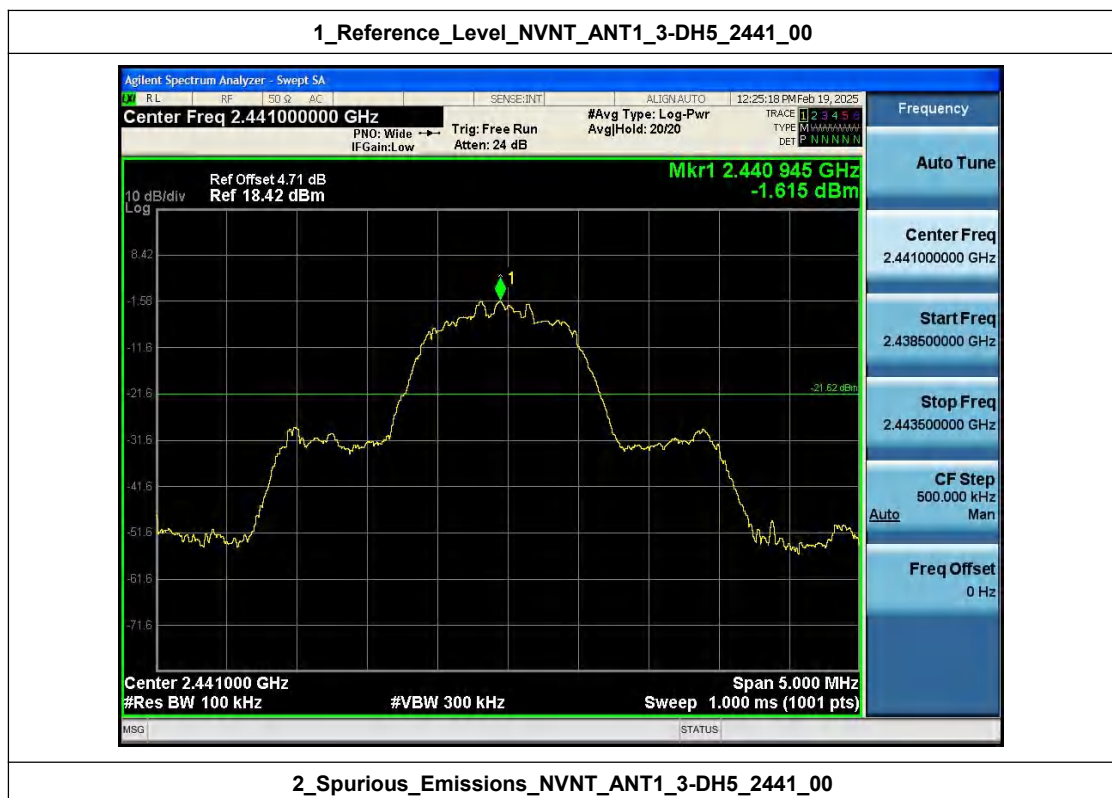
1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00



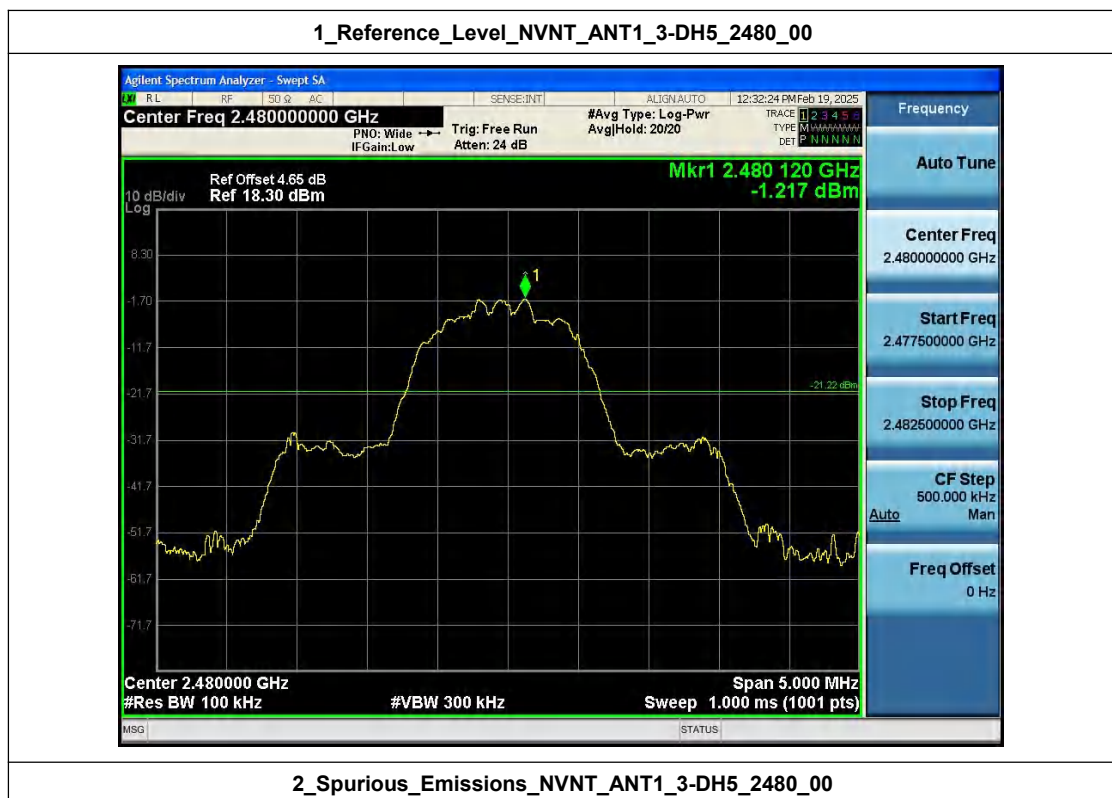
1_Reference_Level_NVNT_ANT1_3-DH5_2441_00



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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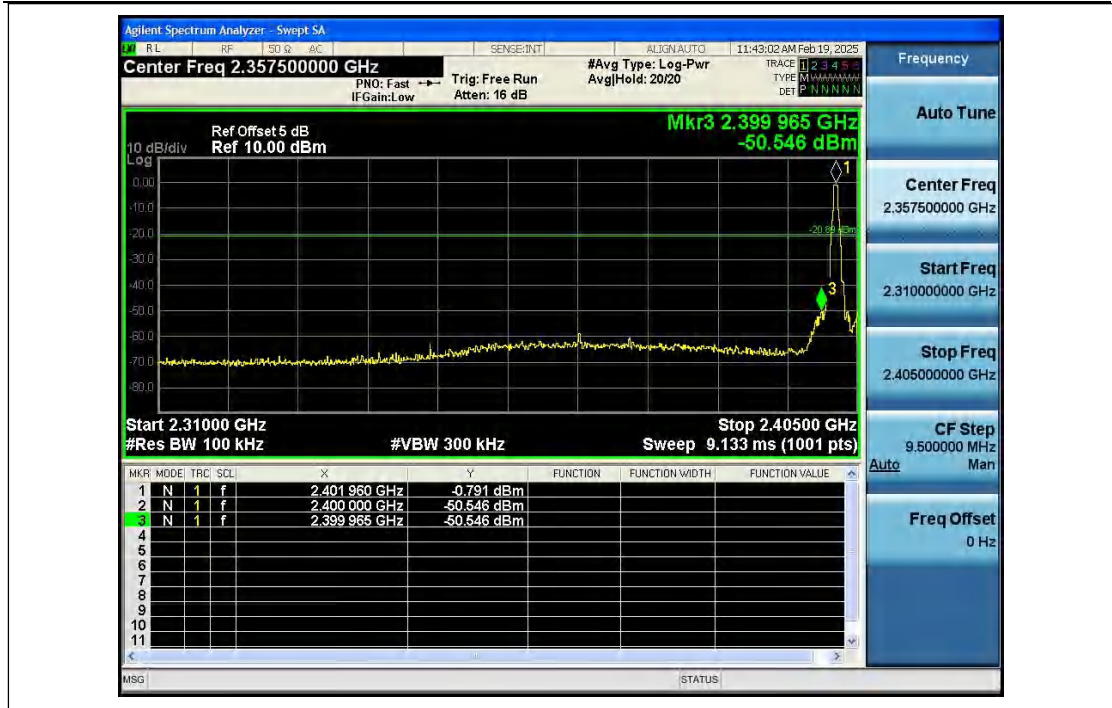
Appendix F: Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-0.887	-50.546	-20.887	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-0.669	-52.561	-20.669	Pass
NVNT	ANT1	1-DH5	2480.00	-1.234	-61.214	-21.234	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-1.230	-61.045	-21.230	Pass
NVNT	ANT1	2-DH5	2402.00	-0.902	-44.682	-20.902	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-1.037	-54.645	-21.037	Pass
NVNT	ANT1	2-DH5	2480.00	-1.264	-56.577	-21.264	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-1.329	-62.084	-21.329	Pass
NVNT	ANT1	3-DH5	2402.00	-0.763	-46.587	-20.763	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-0.707	-50.241	-20.707	Pass
NVNT	ANT1	3-DH5	2480.00	-1.217	-60.443	-21.217	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-1.334	-59.717	-21.334	Pass

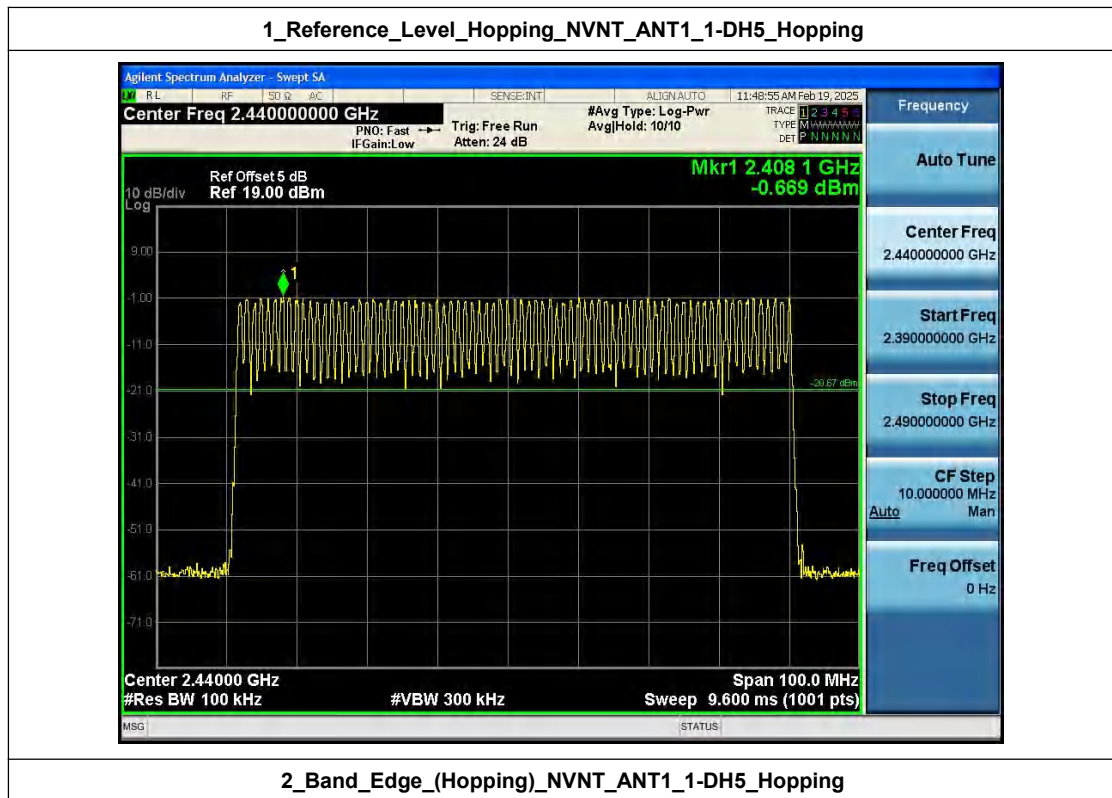
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



2_Bandedge_NVNT_ANT1_1-DH5_2402_00

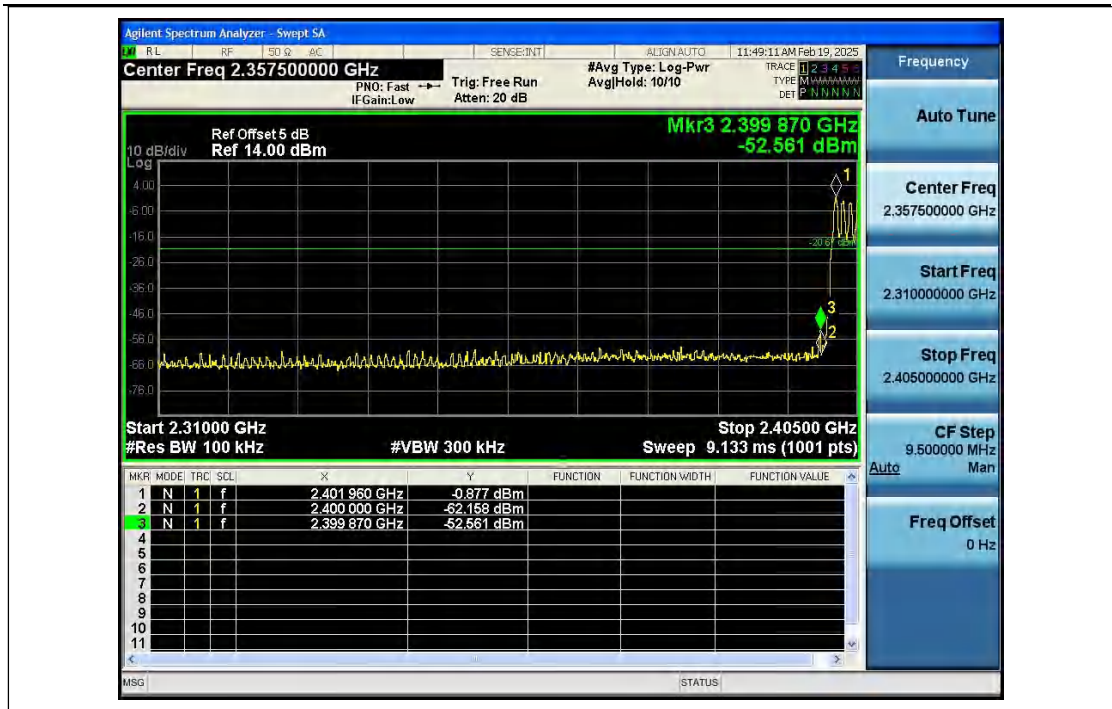


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

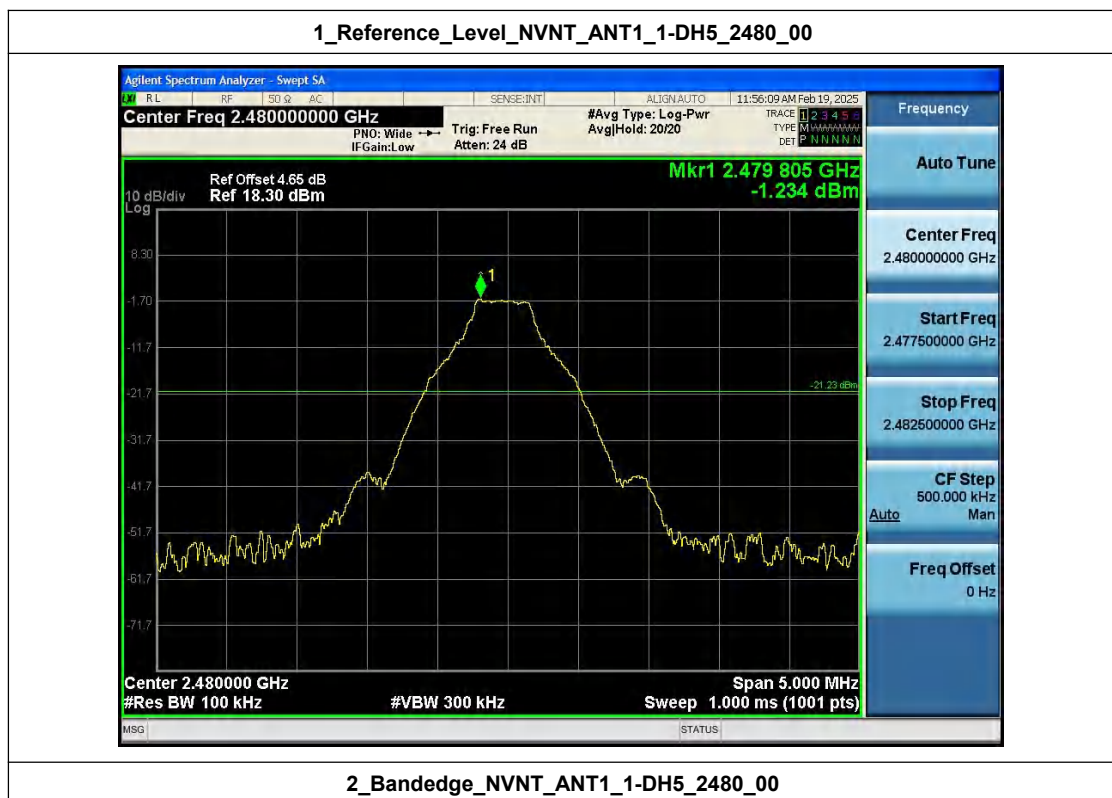


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping

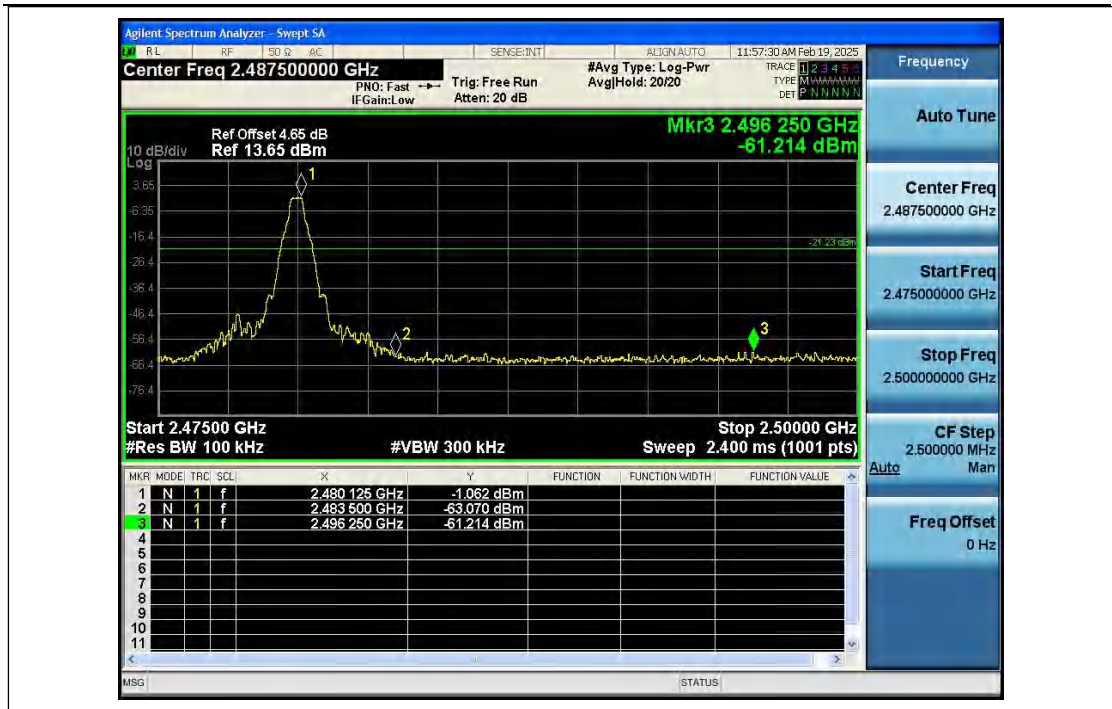




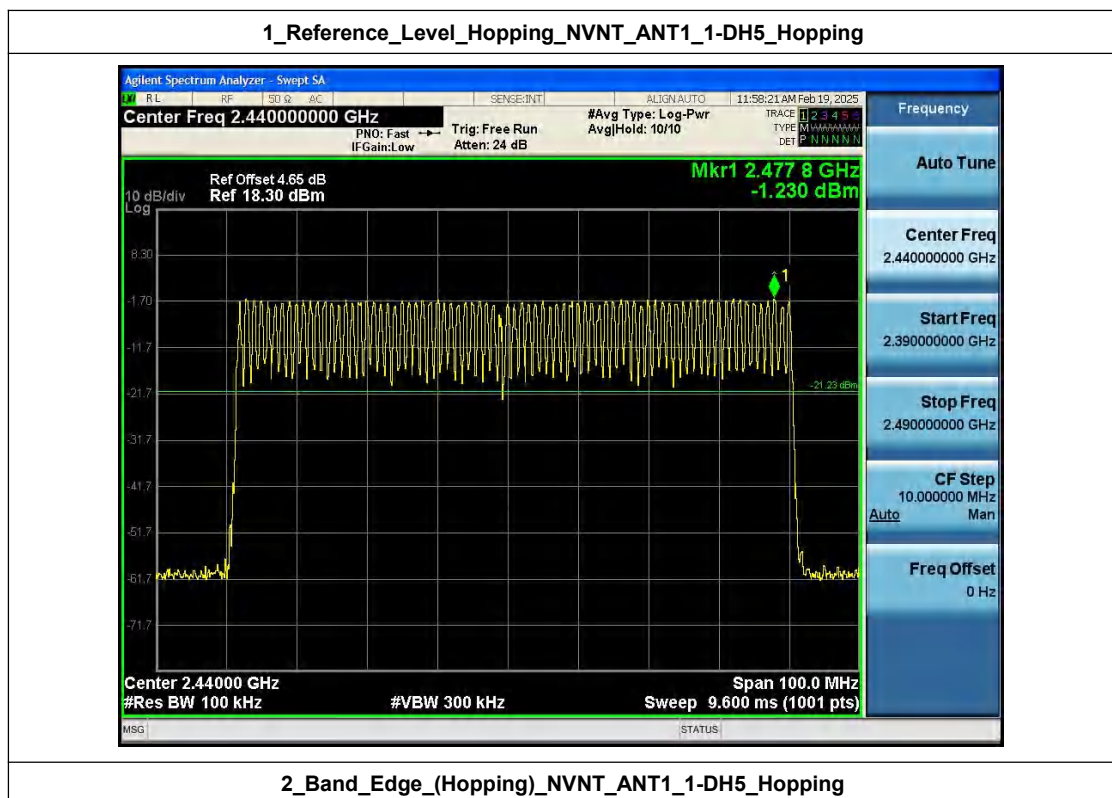
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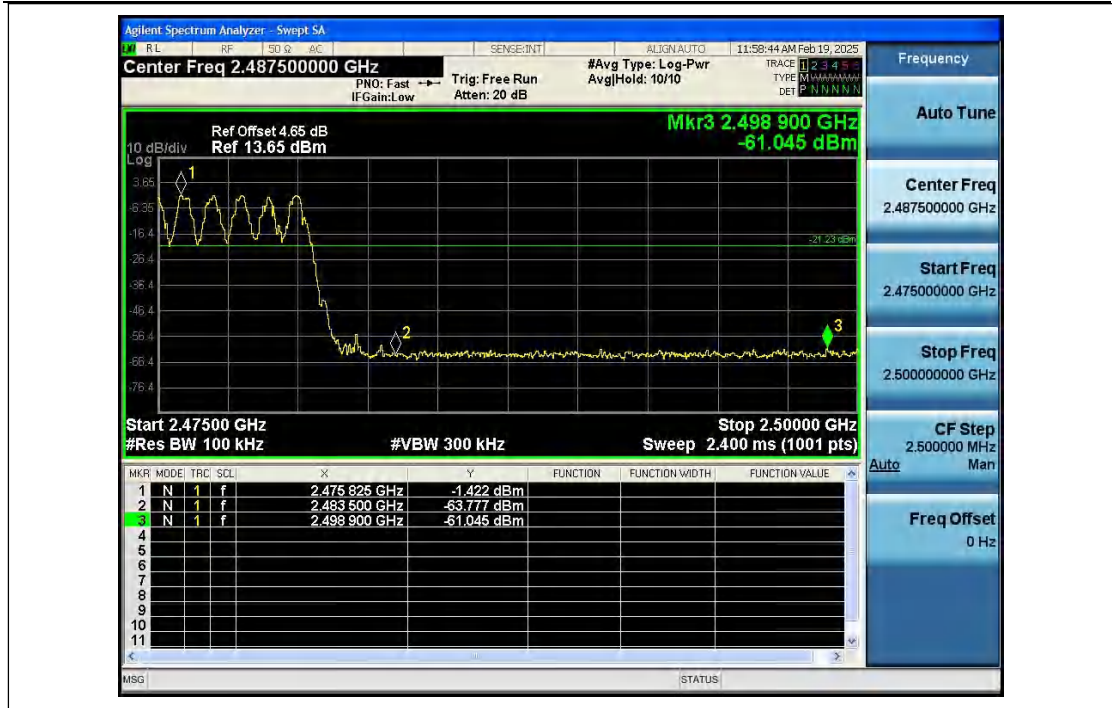
2_Bandedge_NVNT_ANT1_1-DH5_2480_00



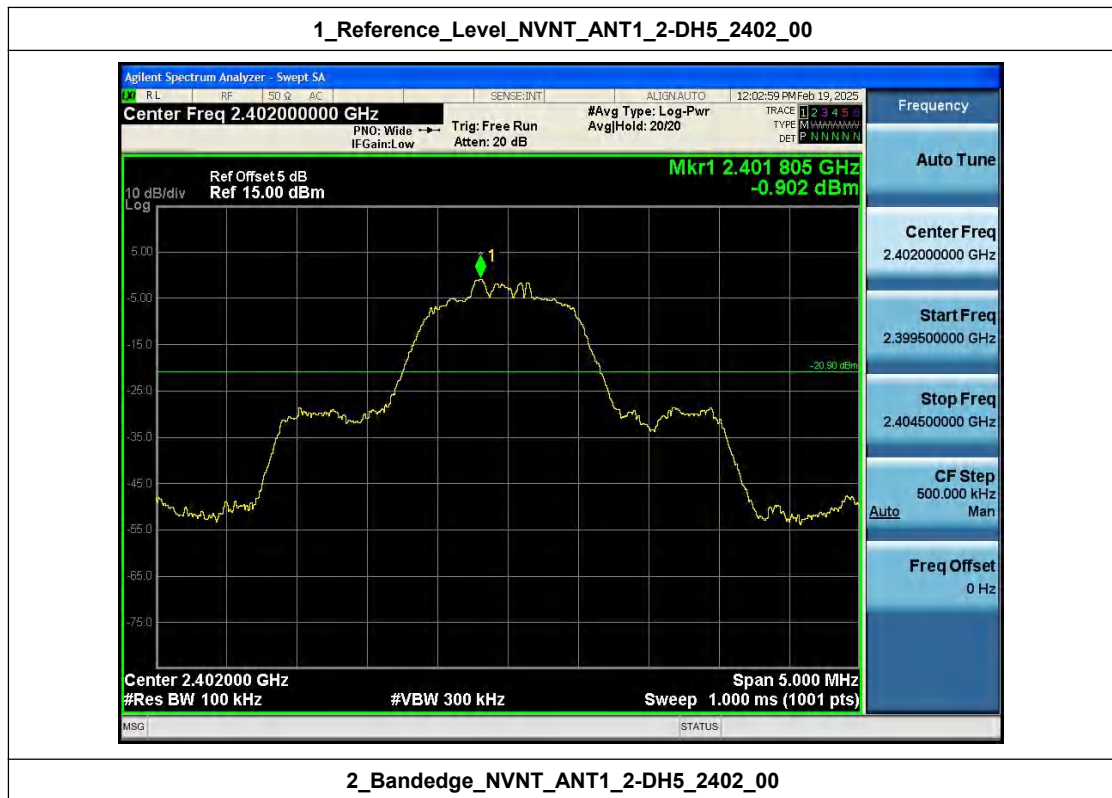
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



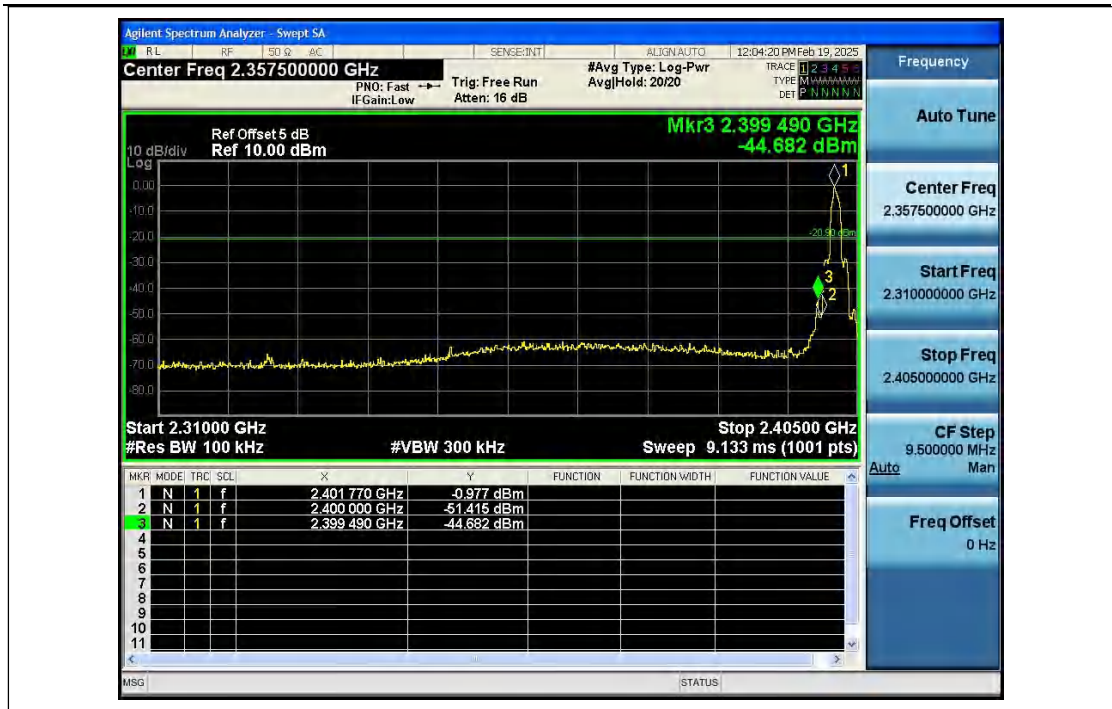
2_Bandedge_NVNT_ANT1_2-DH5_2402_00

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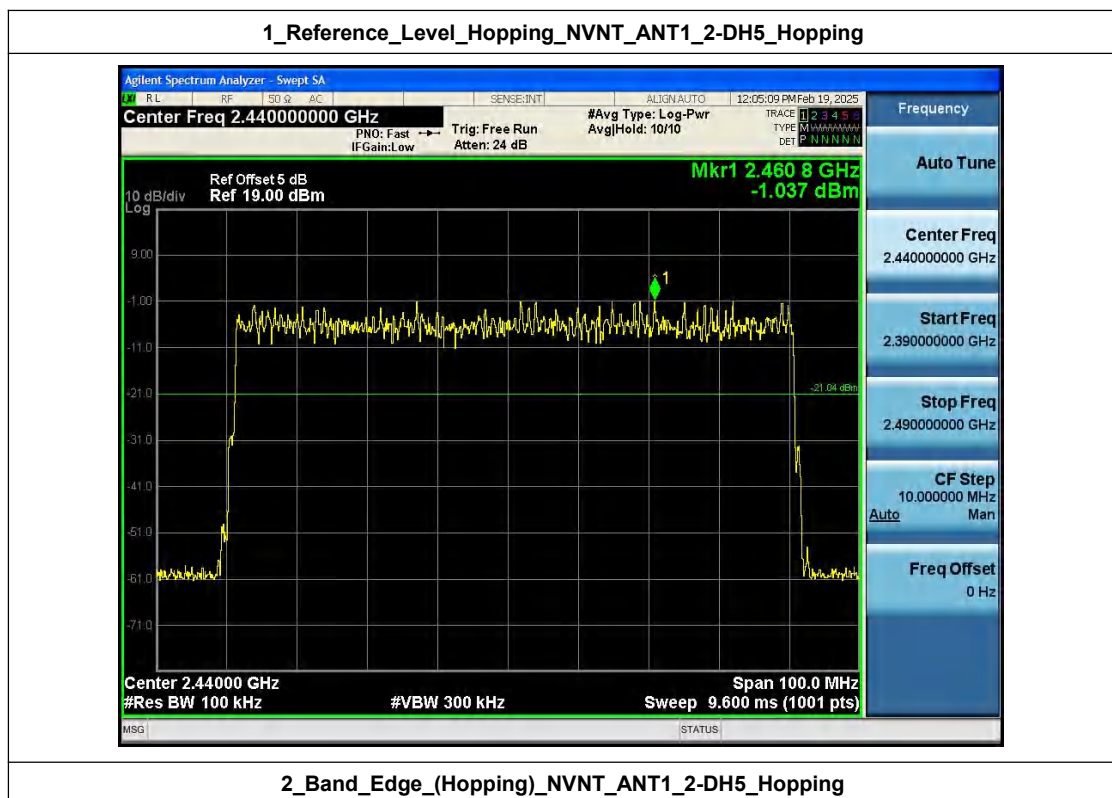
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com



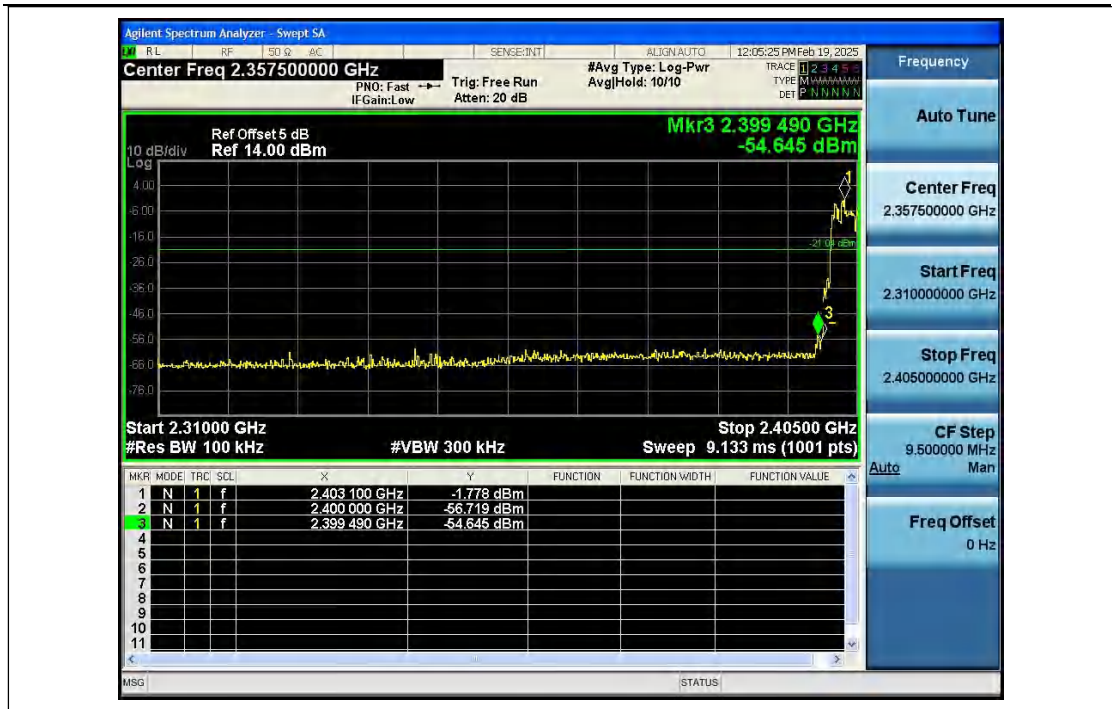
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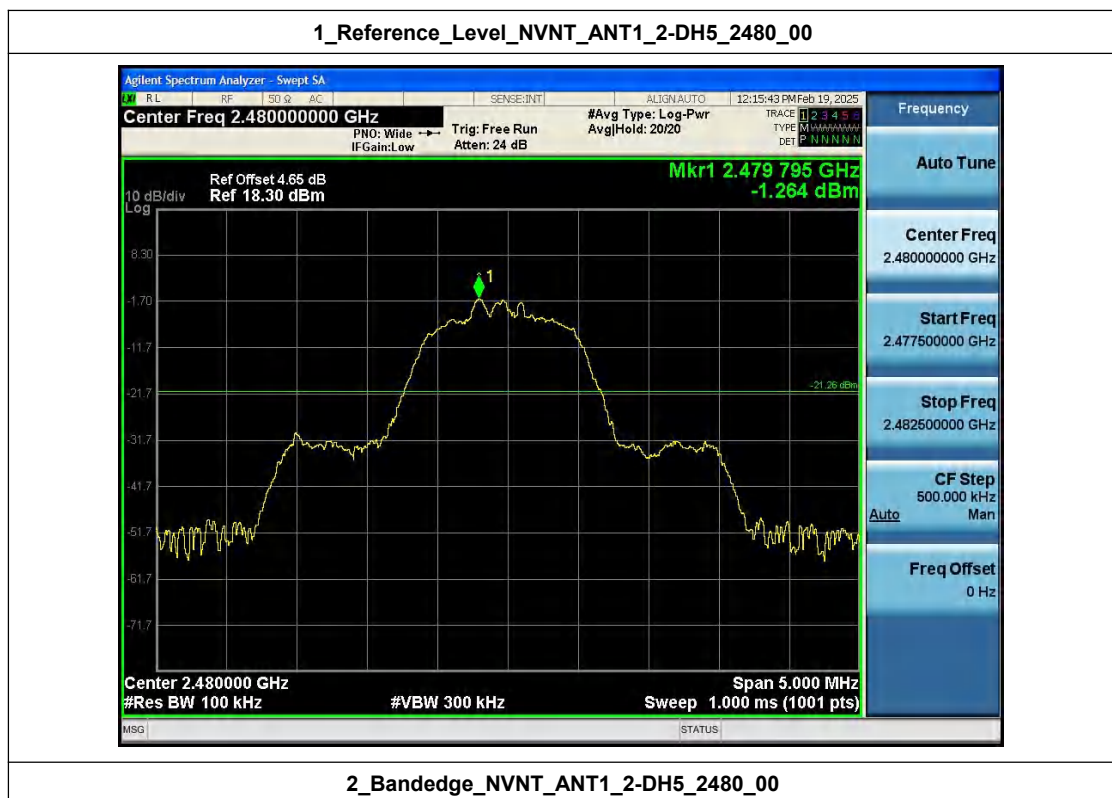
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2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



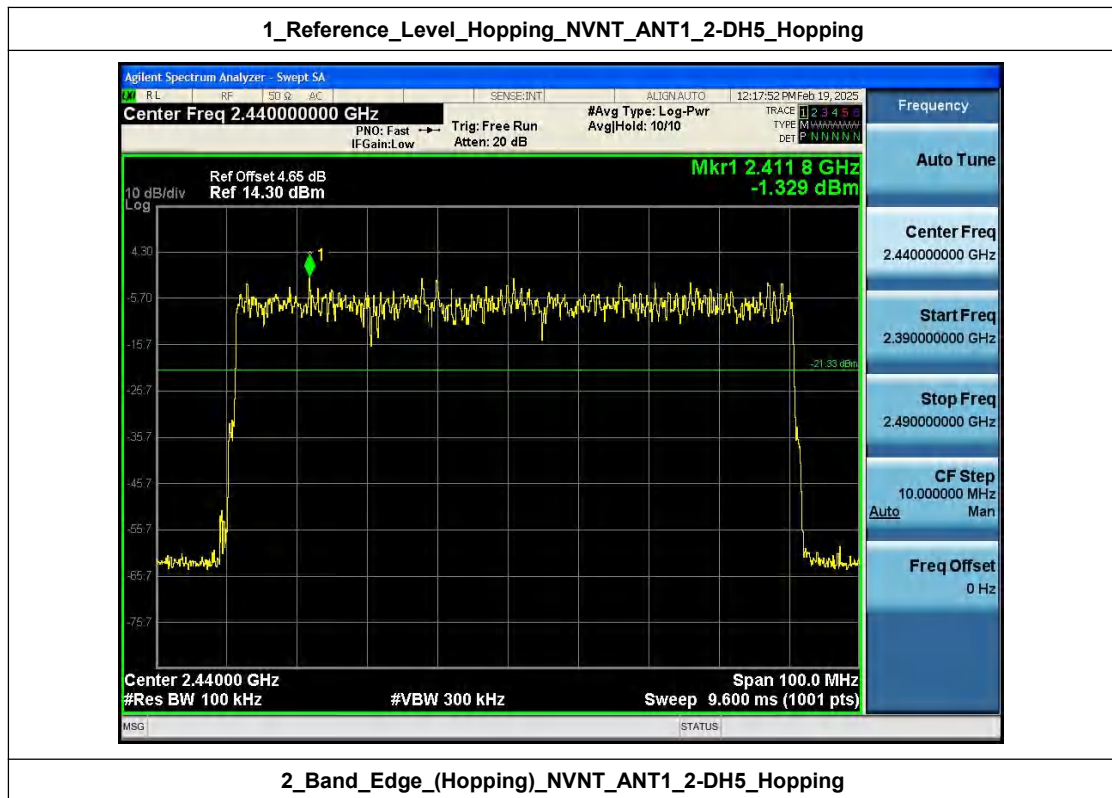
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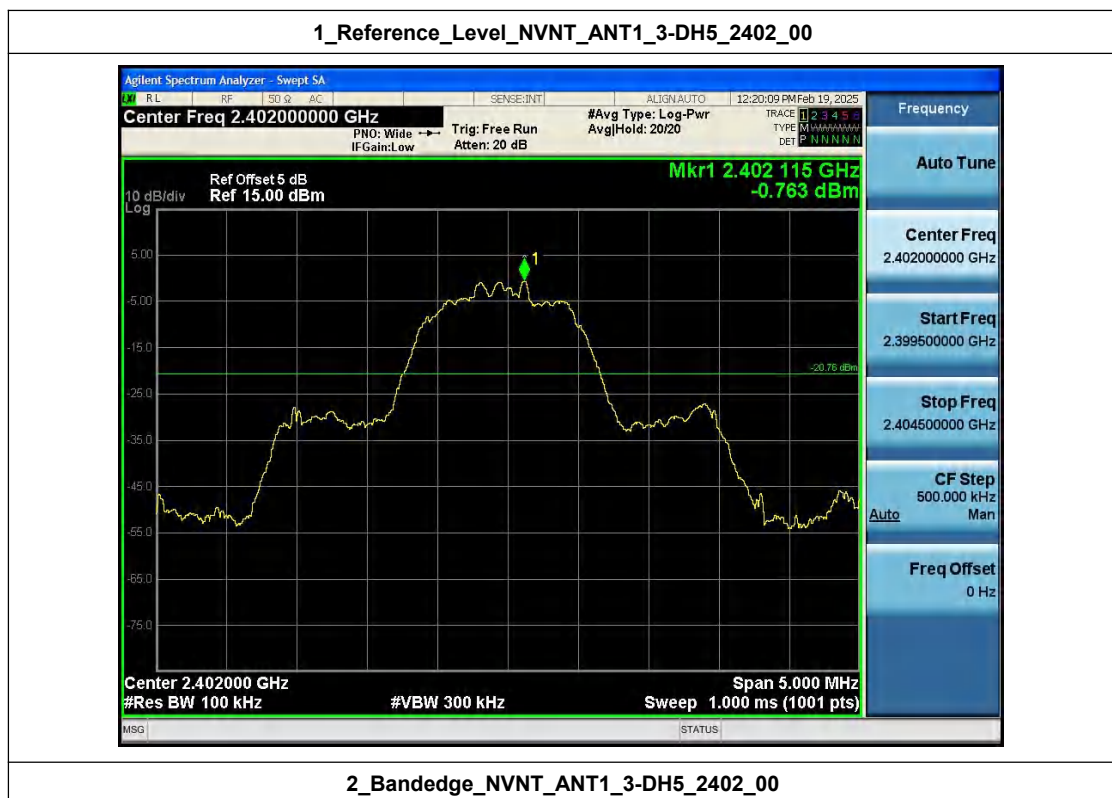
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2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



2_Bandedge_NVNT_ANT1_3-DH5_2402_00

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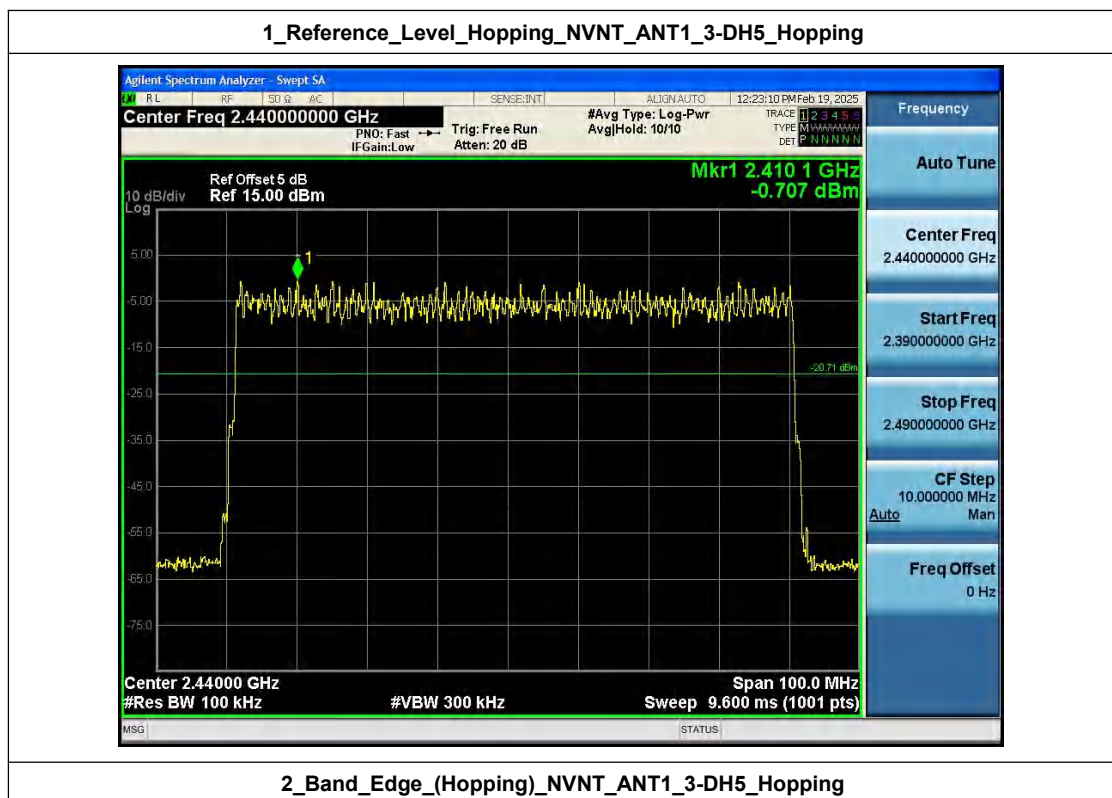
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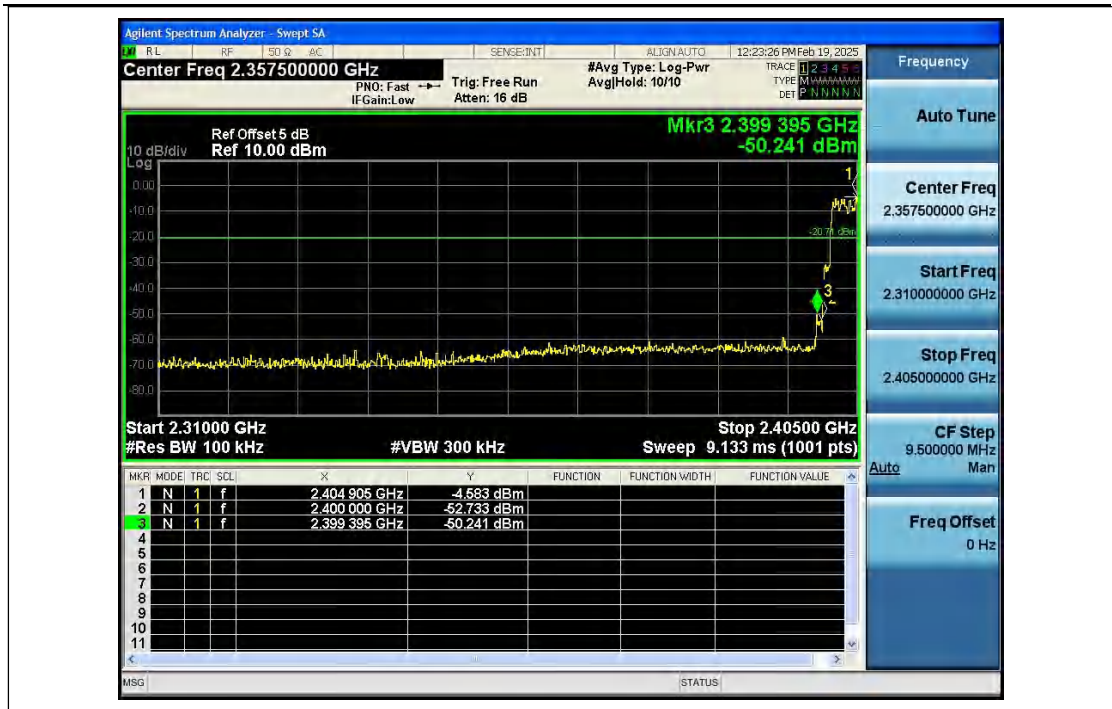
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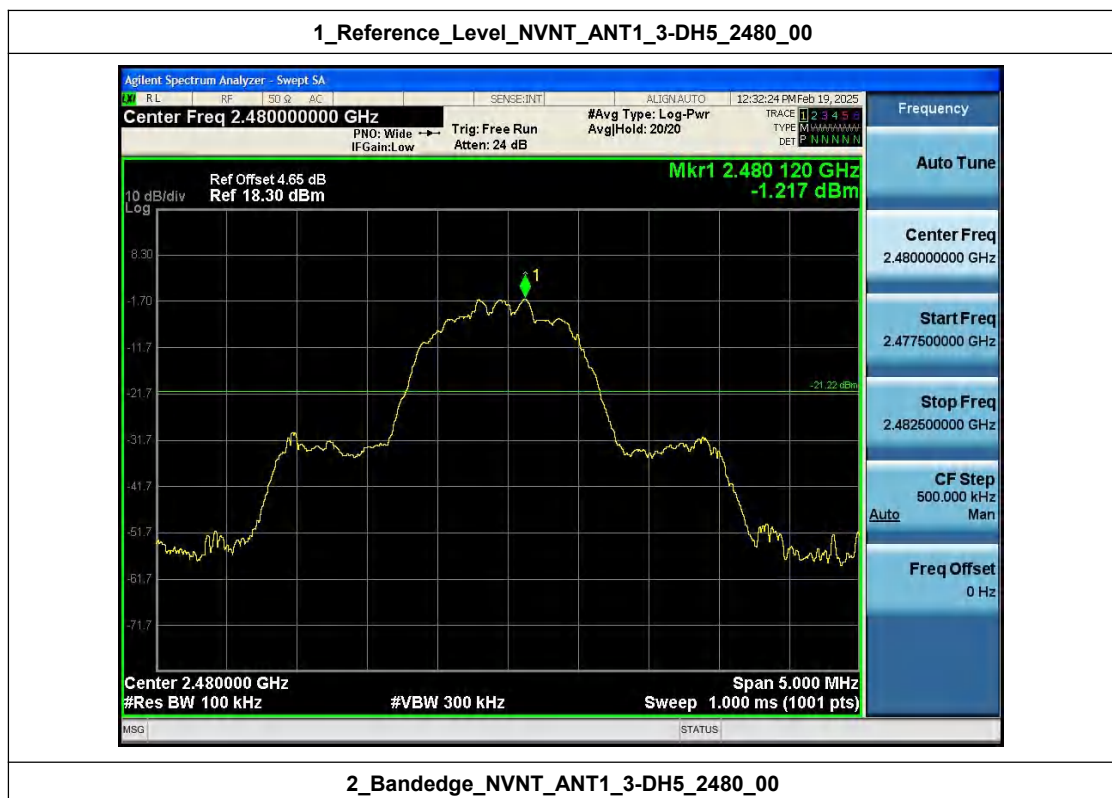
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2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



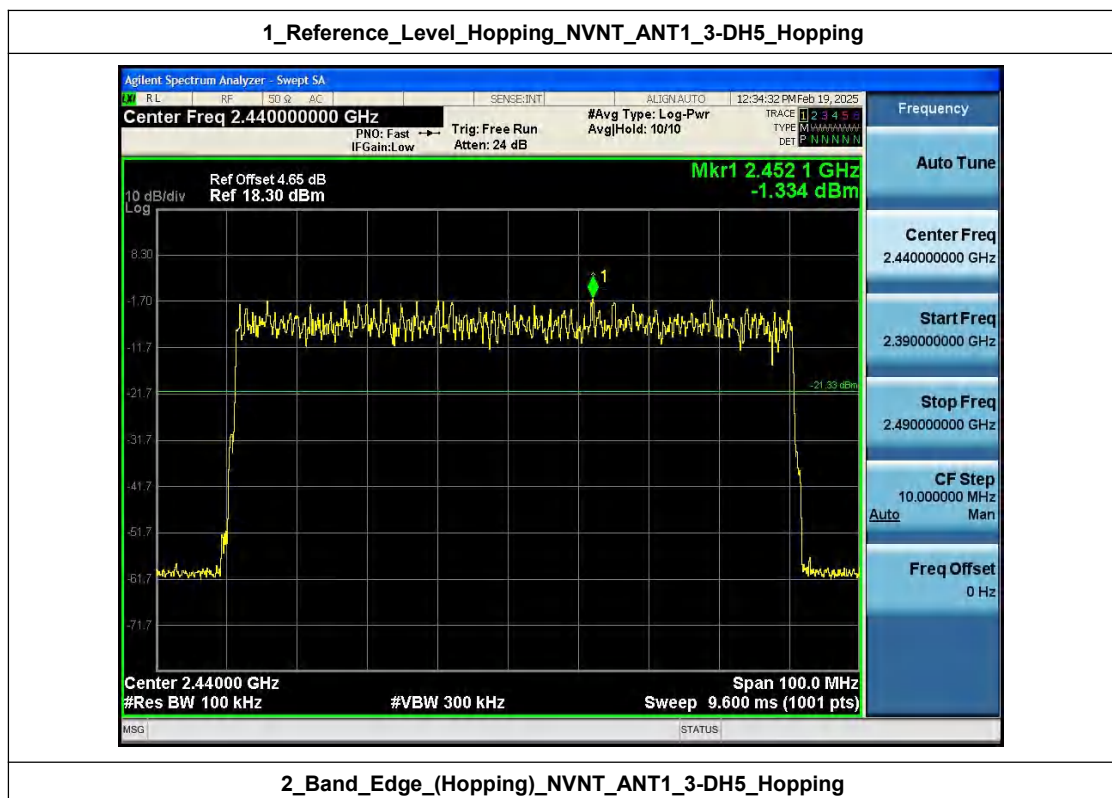
1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



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	2440.984	2442.136	1.15	0.682	Pass
NVNT	ANT1	2-DH5	2441.00	2441.074	2442.100	1.03	0.884	Pass
NVNT	ANT1	3-DH5	2441.00	2440.810	2441.779	0.97	0.873	Pass

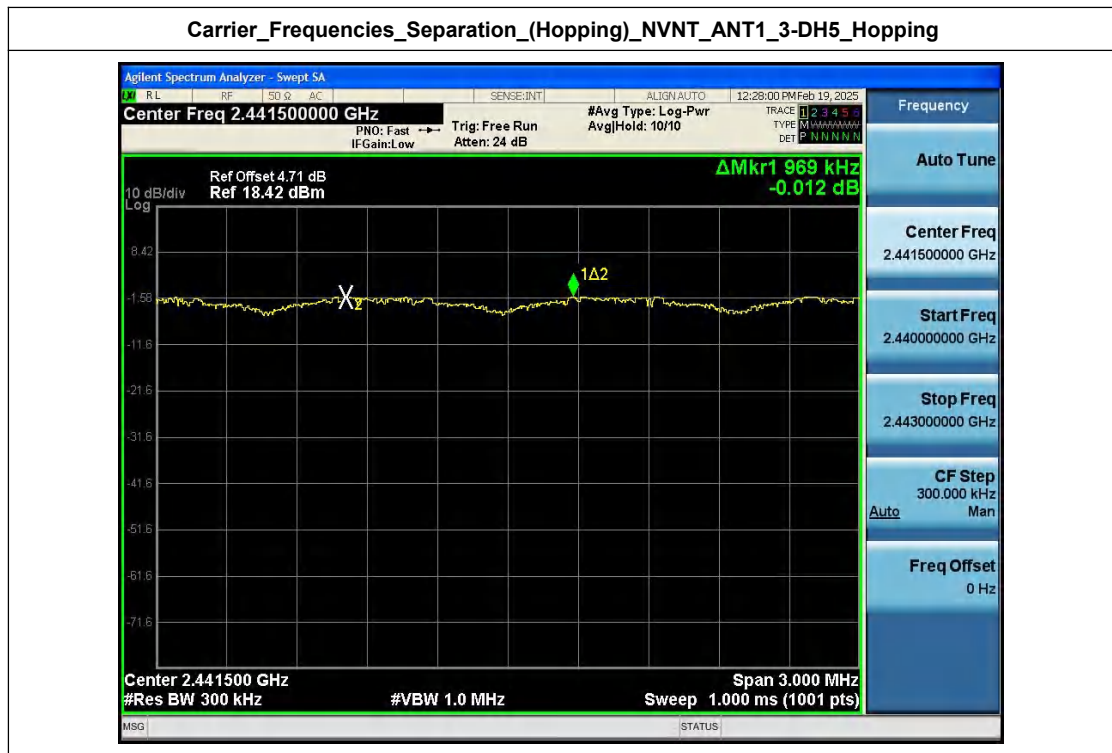
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Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



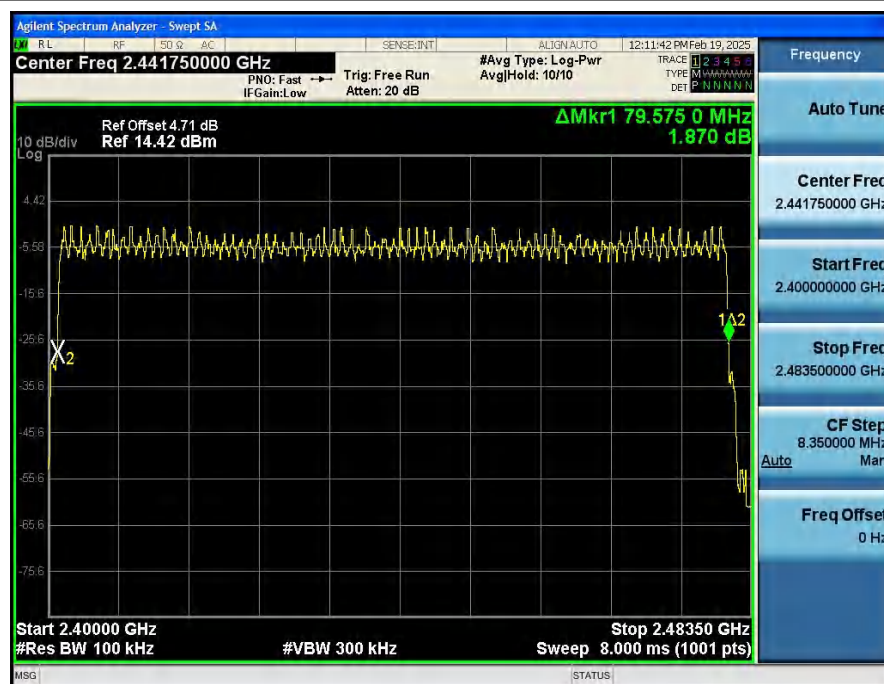
Appendix H: Number of Hopping Channel (Hopping)

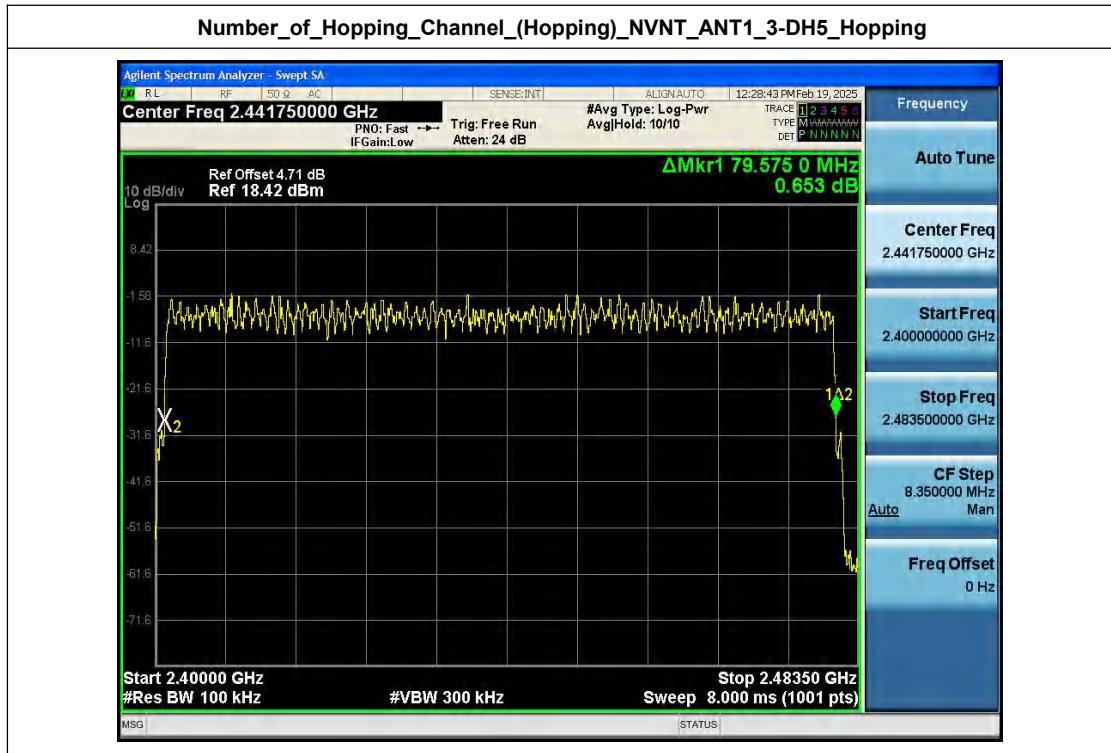
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping





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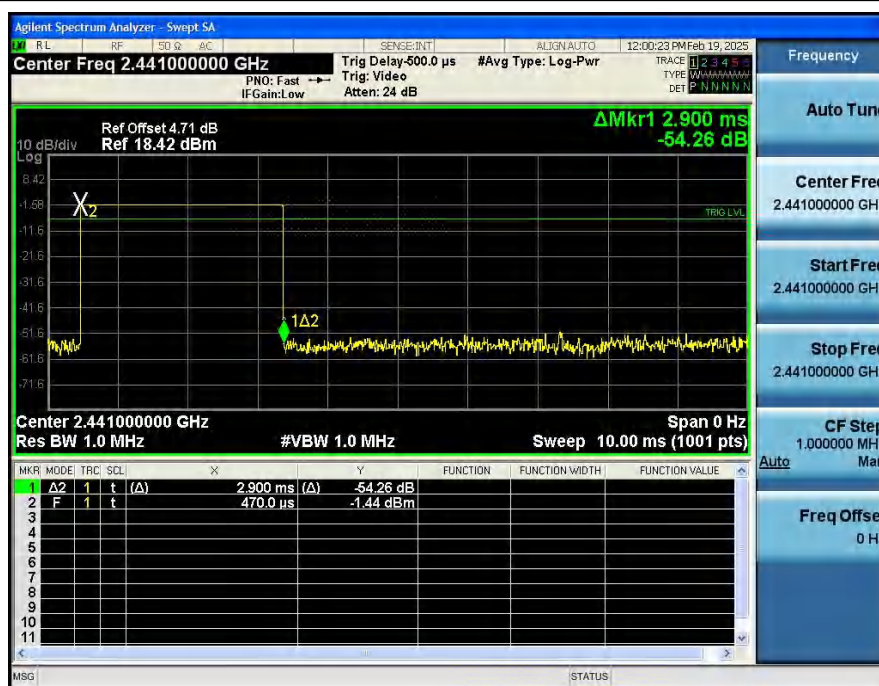


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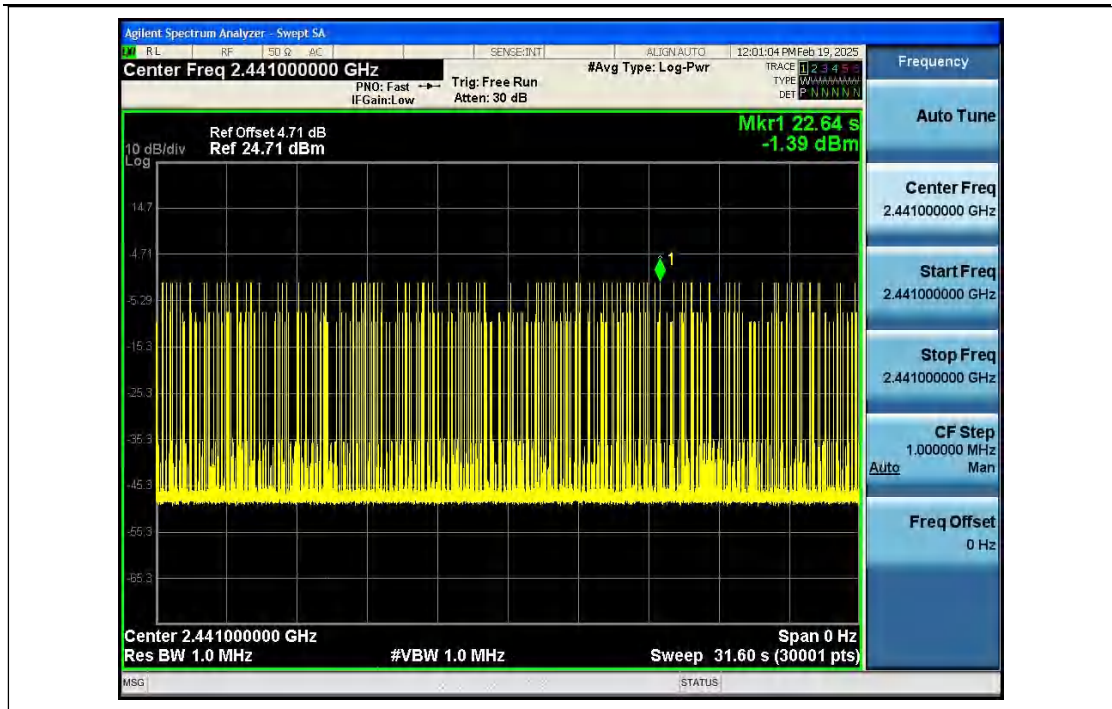
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.900	112.00	324.800	0.40	Pass
NVNT	ANT1	2-DH5	2.900	105.00	304.500	0.40	Pass
NVNT	ANT1	3-DH5	2.900	113.00	327.700	0.40	Pass
NVNT	ANT1	1-DH1	0.400	318.00	127.200	0.40	Pass
NVNT	ANT1	1-DH3	1.650	164.00	270.600	0.40	Pass
NVNT	ANT1	2-DH1	0.410	321.00	131.610	0.40	Pass
NVNT	ANT1	2-DH3	1.650	158.00	260.700	0.40	Pass
NVNT	ANT1	3-DH1	0.400	319.00	127.600	0.40	Pass
NVNT	ANT1	3-DH3	1.650	153.00	252.450	0.40	Pass

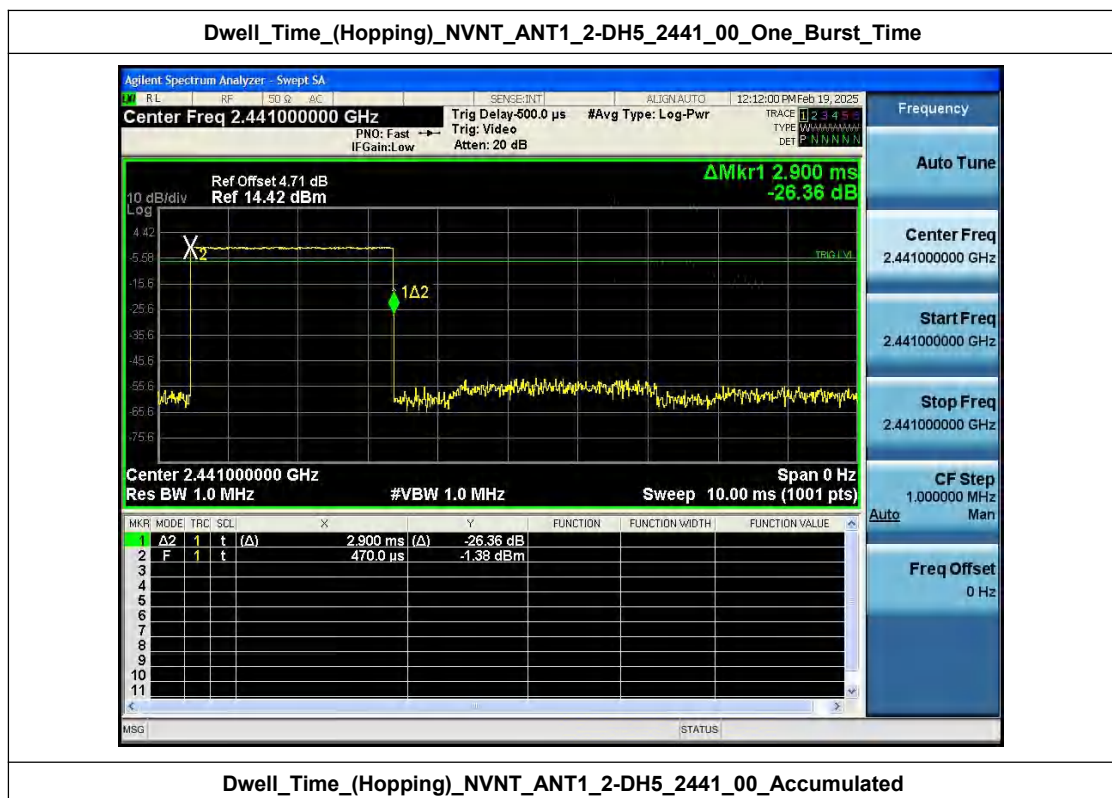
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



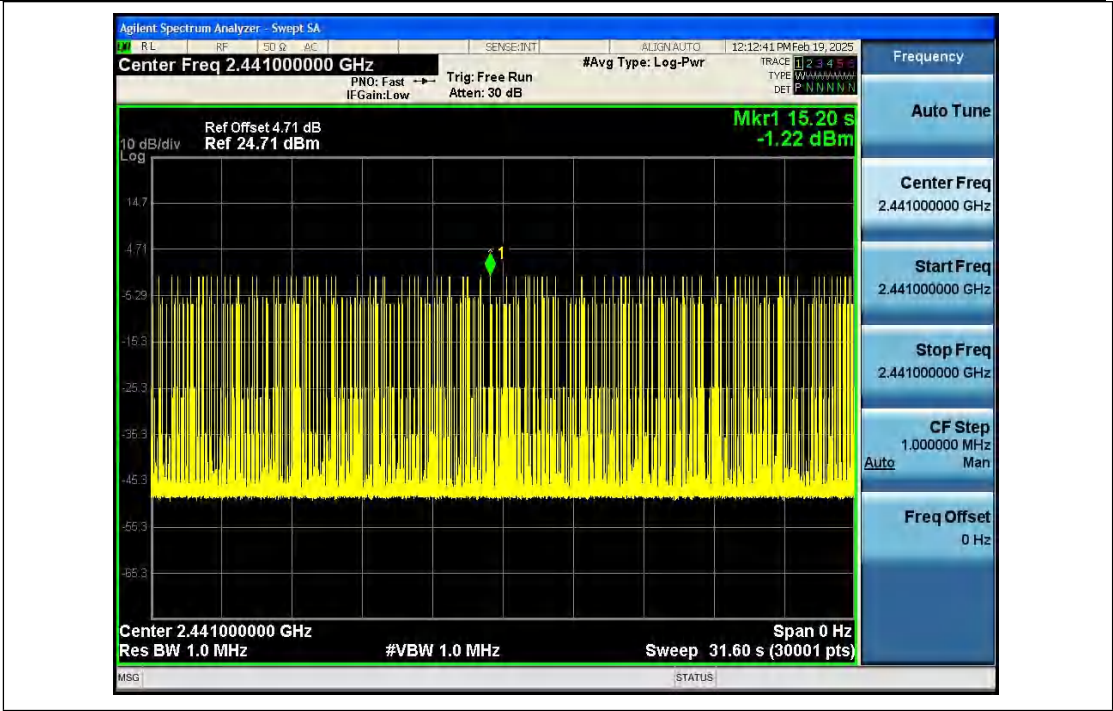
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



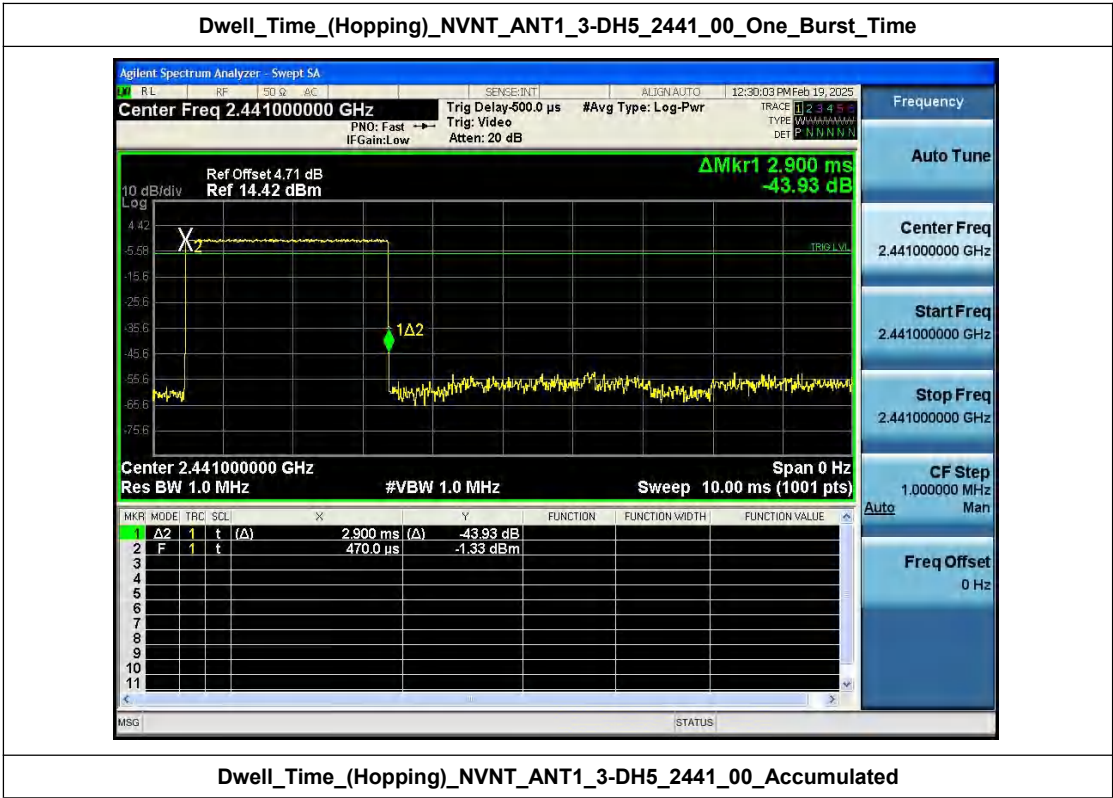
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



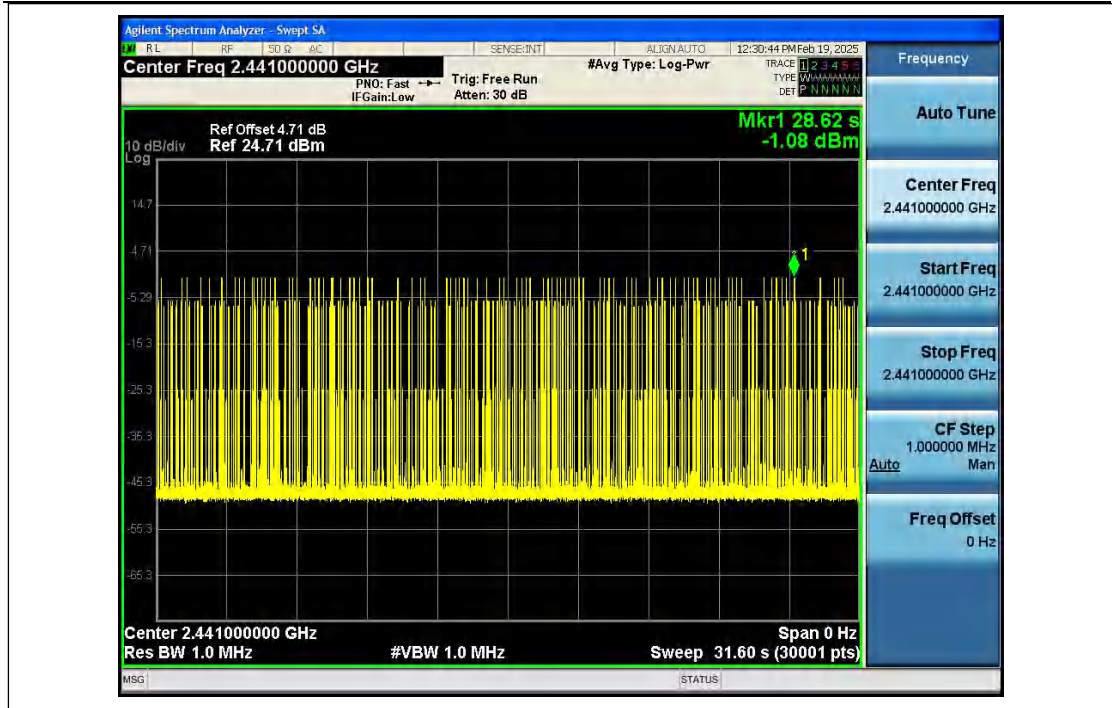
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



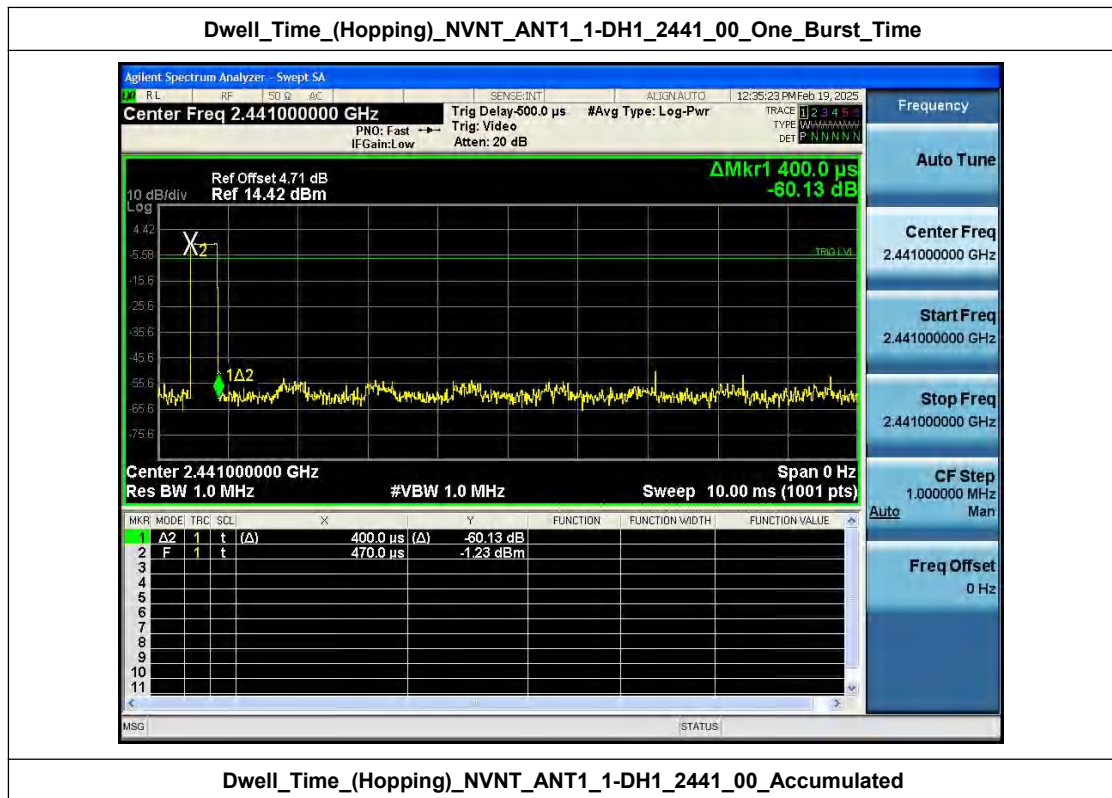
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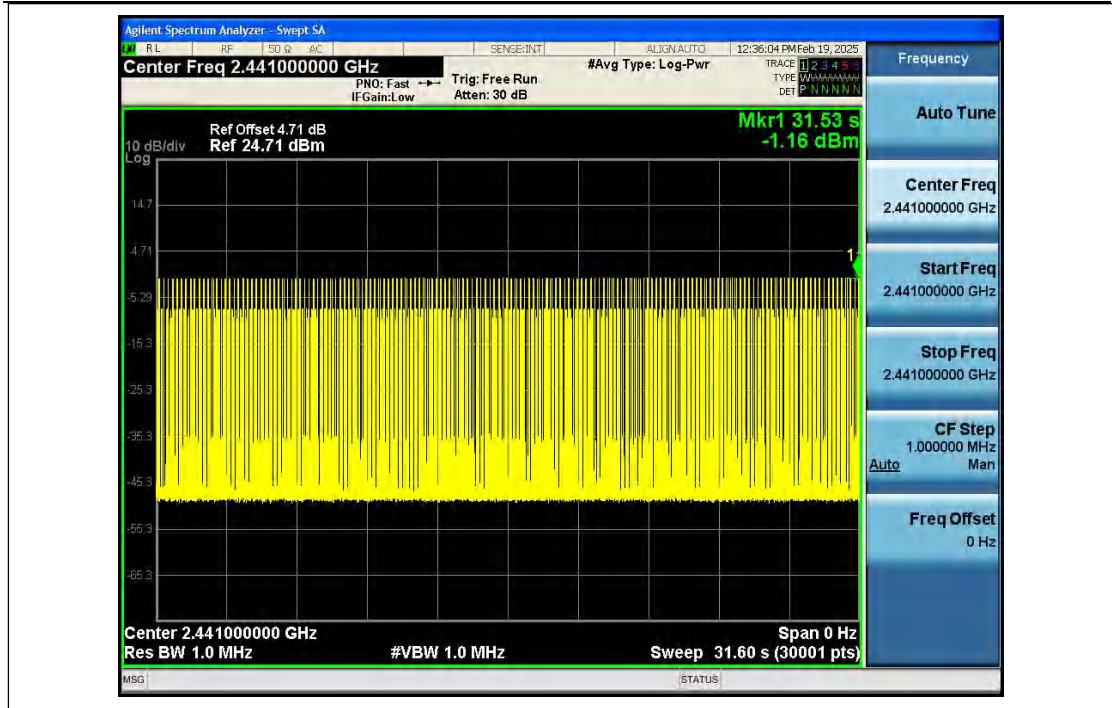
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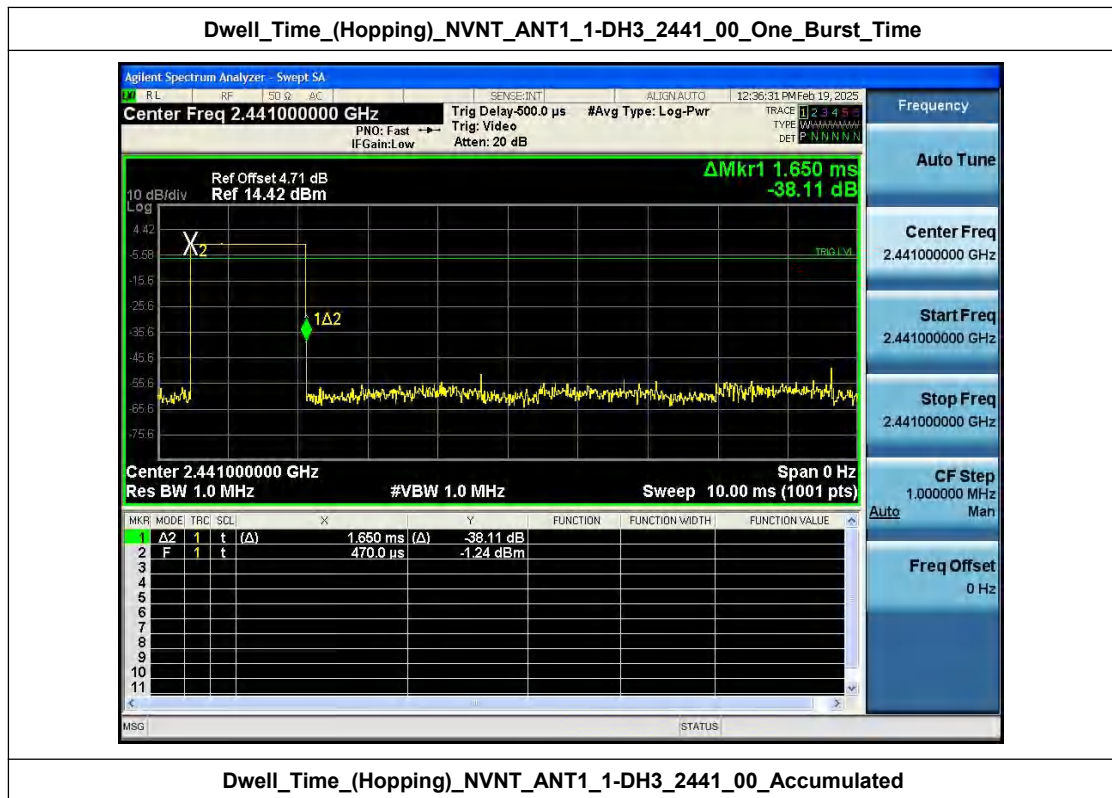
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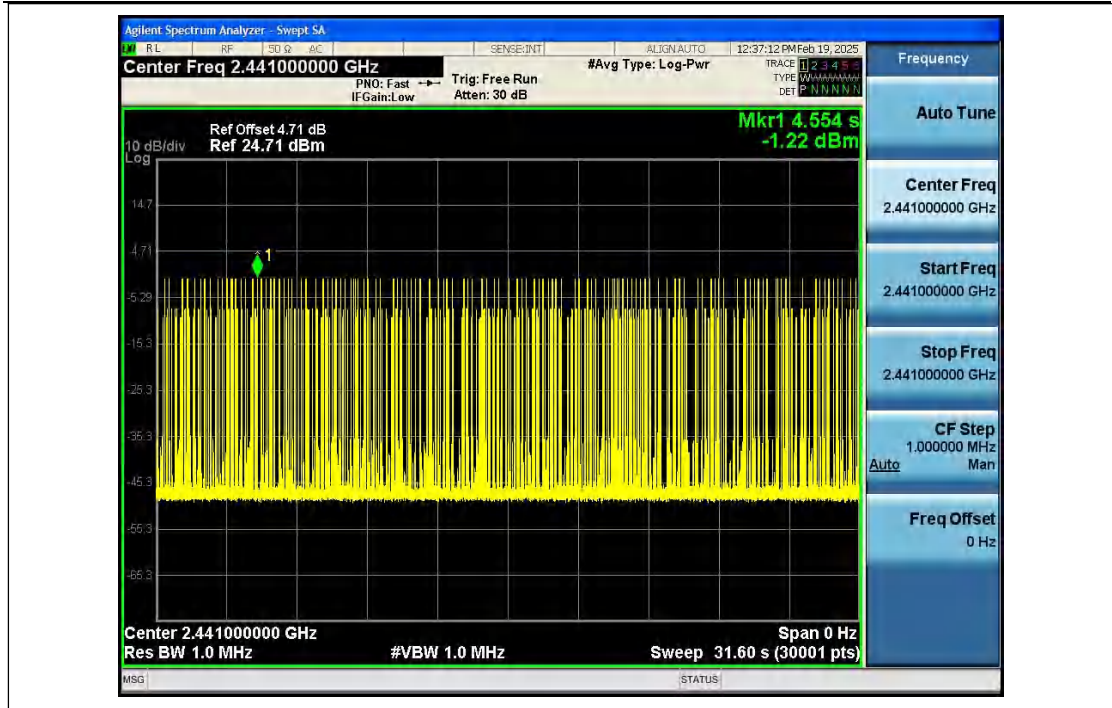
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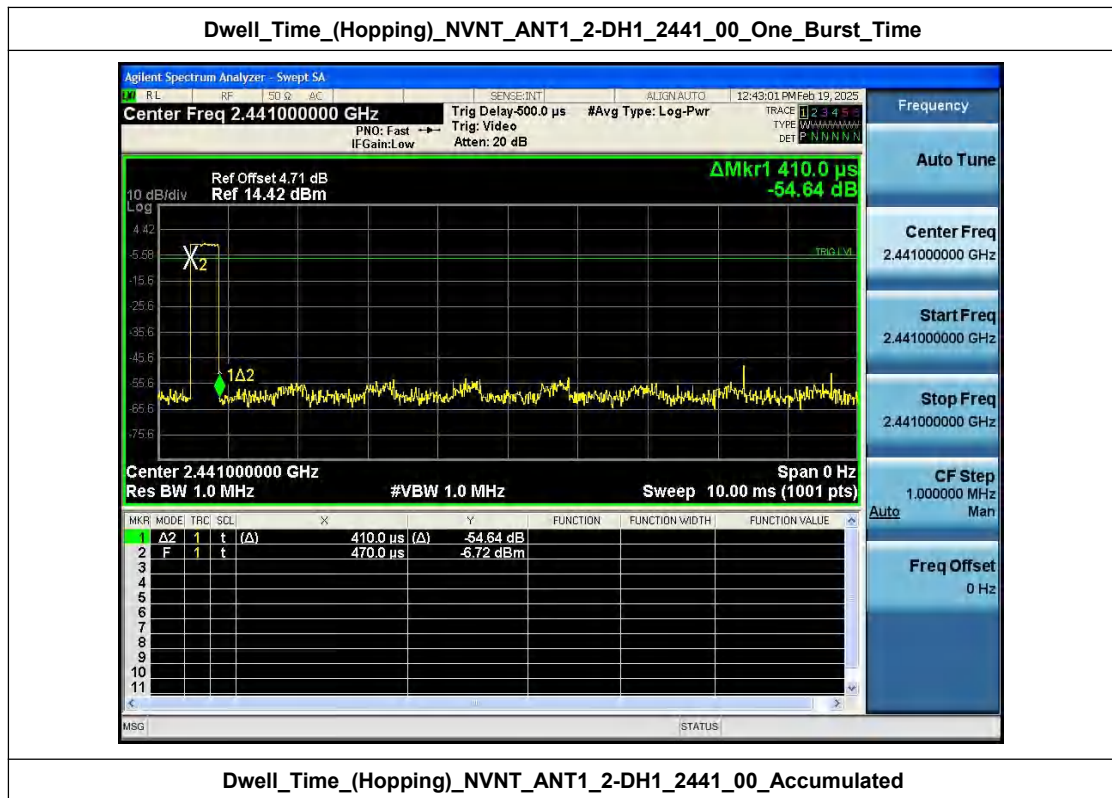
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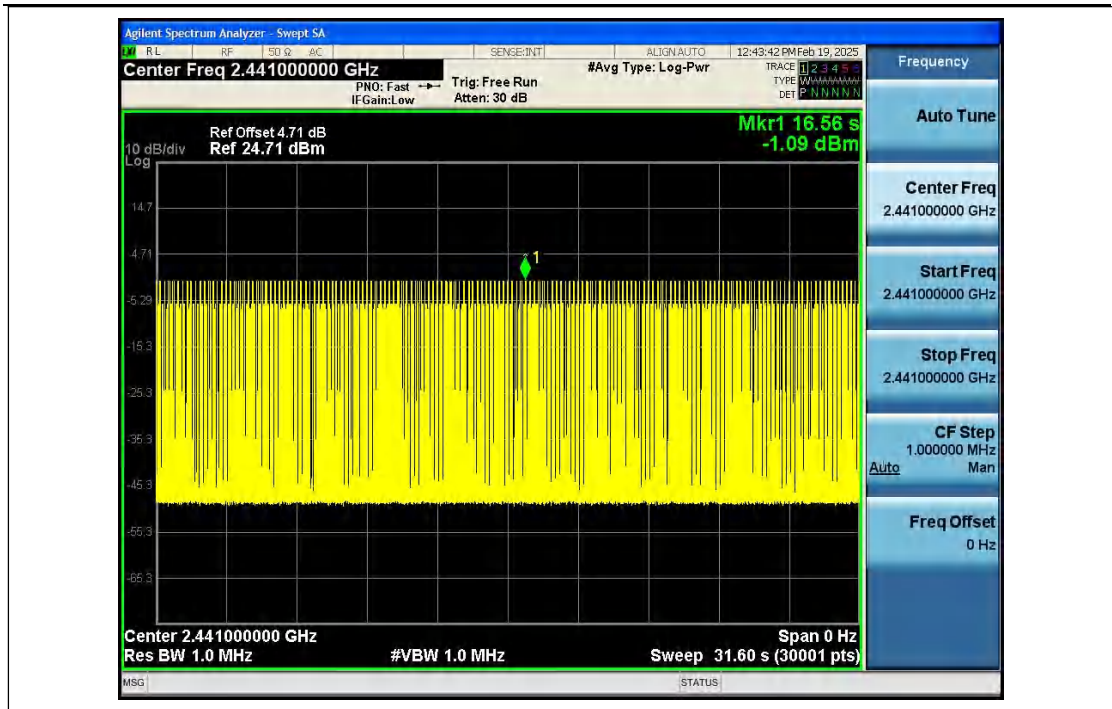
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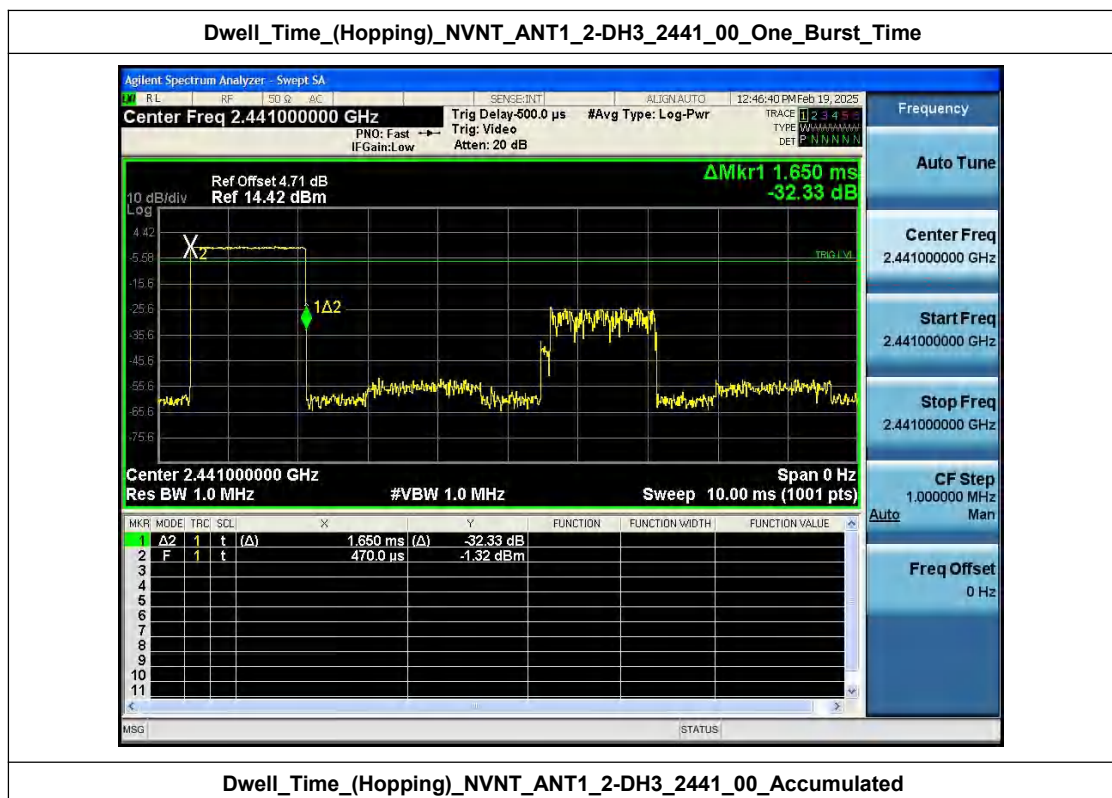
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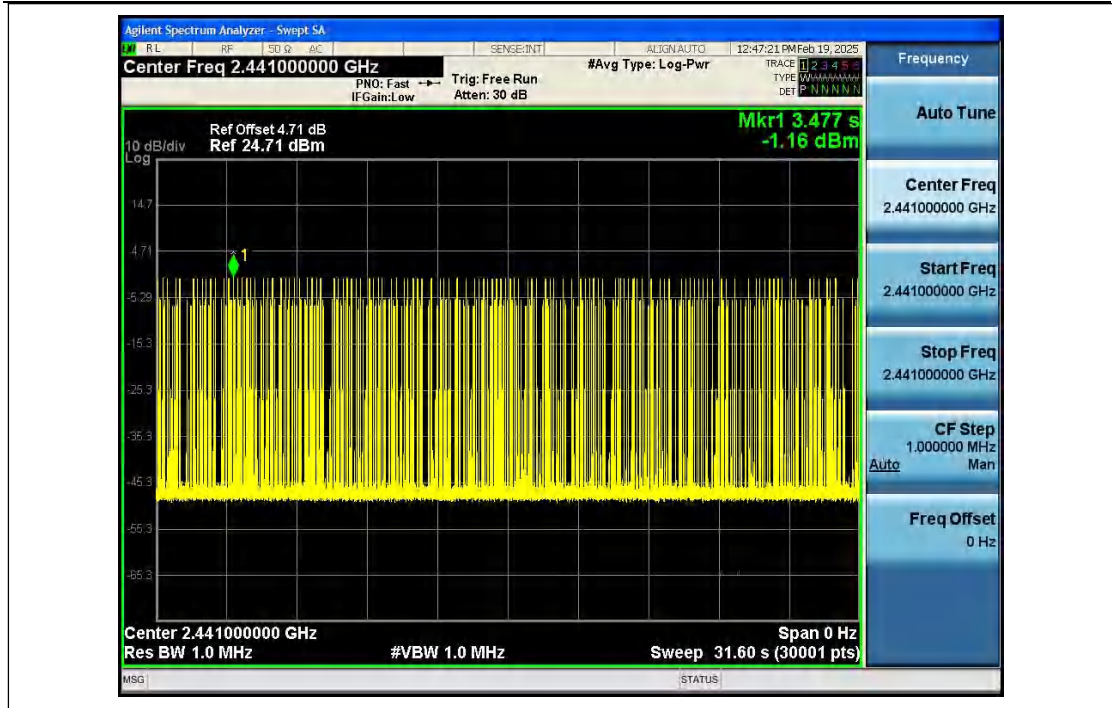
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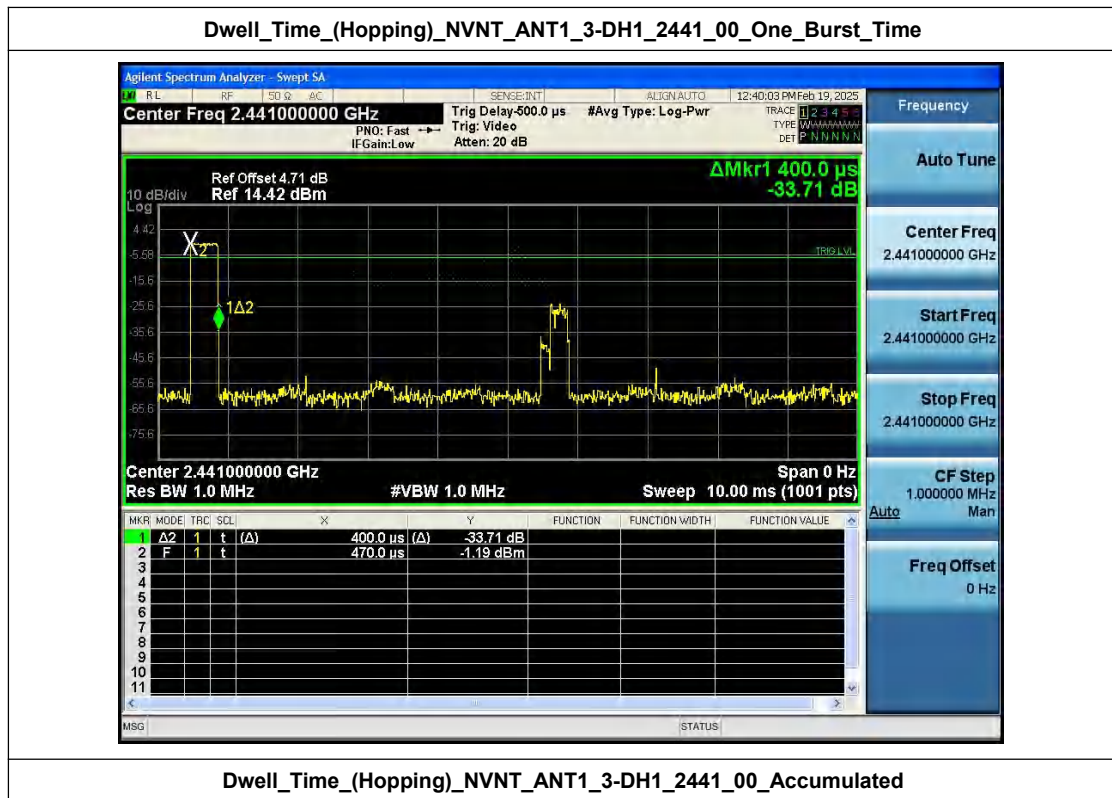
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Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_Accumulated

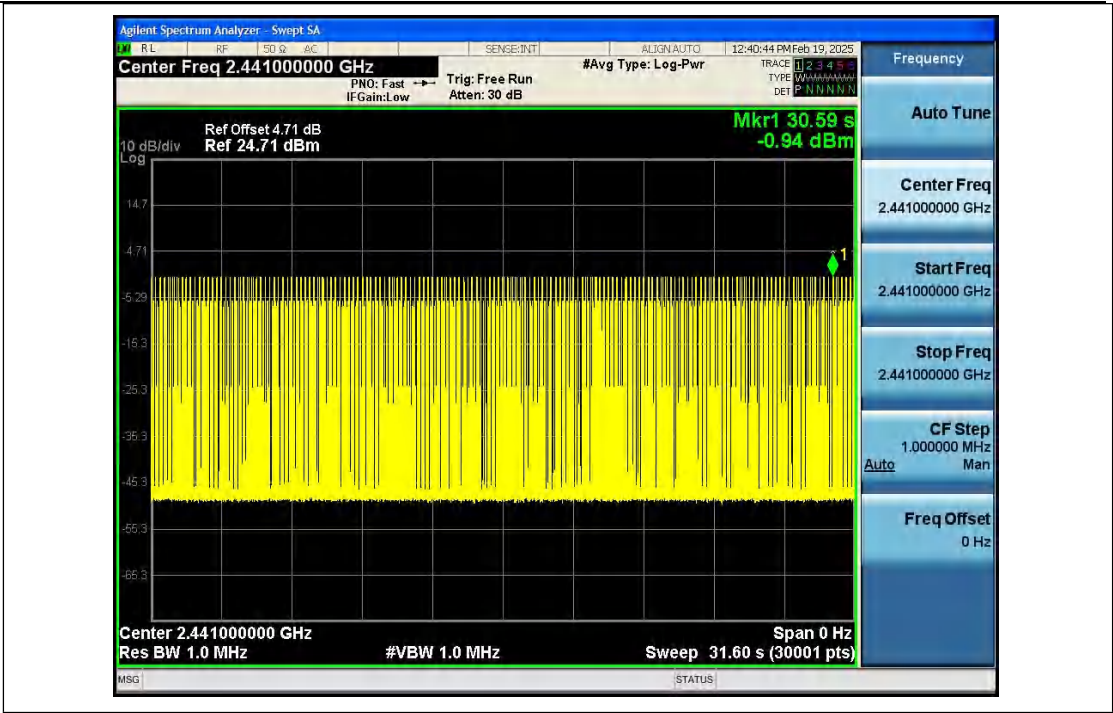


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time

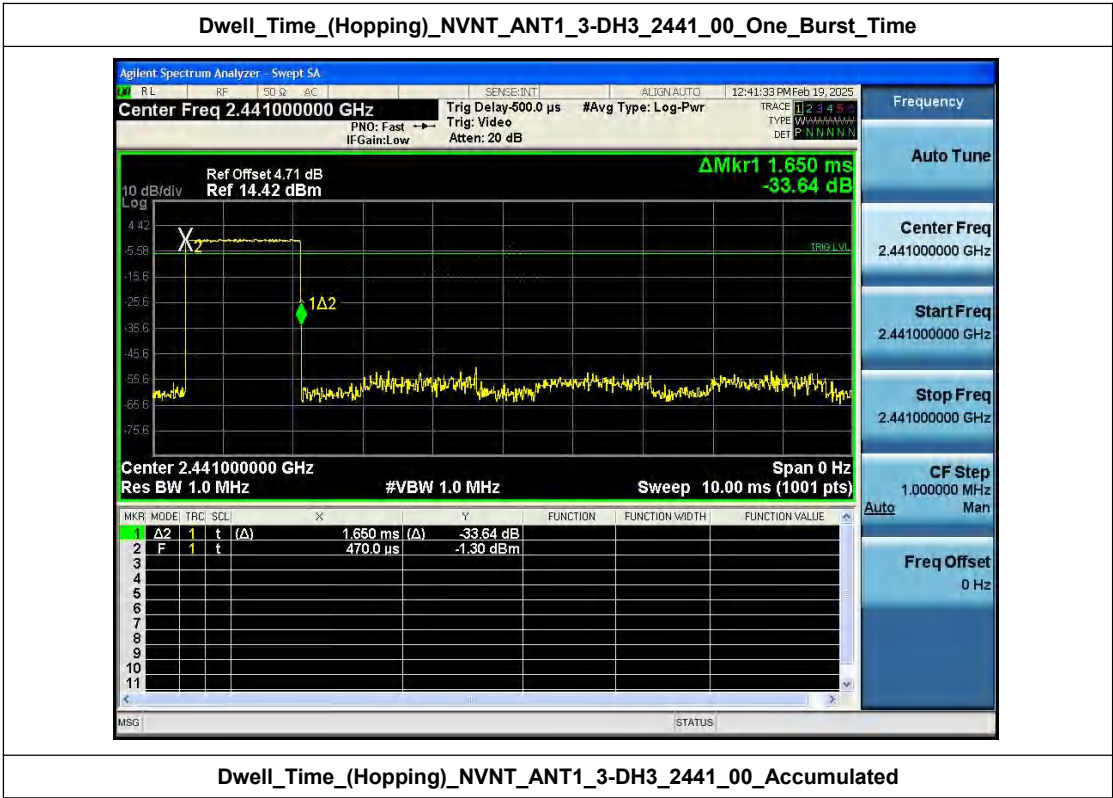


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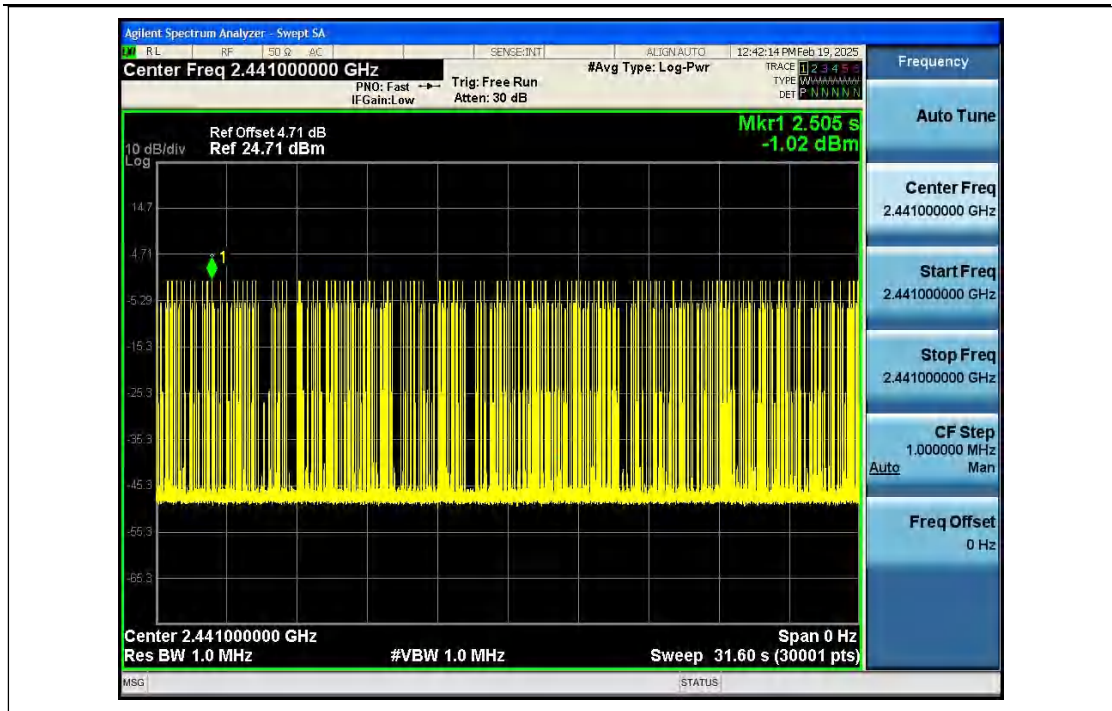




Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated



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