

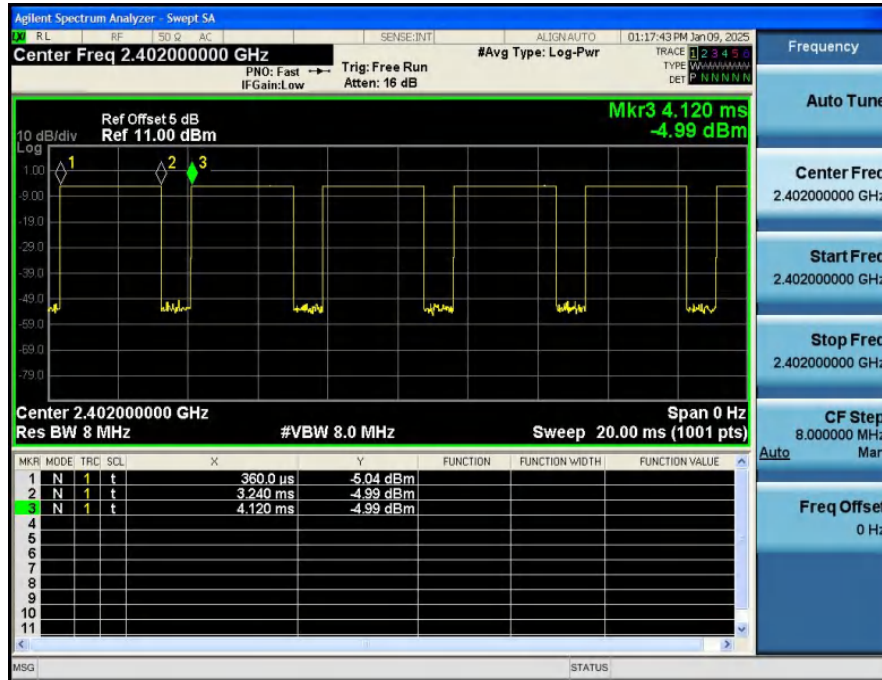
Appendix Test Data

Report No.:	1819C40113112501	Test Sample No.:	1-2-2
Start Test Date:	2025.1.09	Finish Test Date:	2025.1.09
Test Engineer:	<i>Foker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

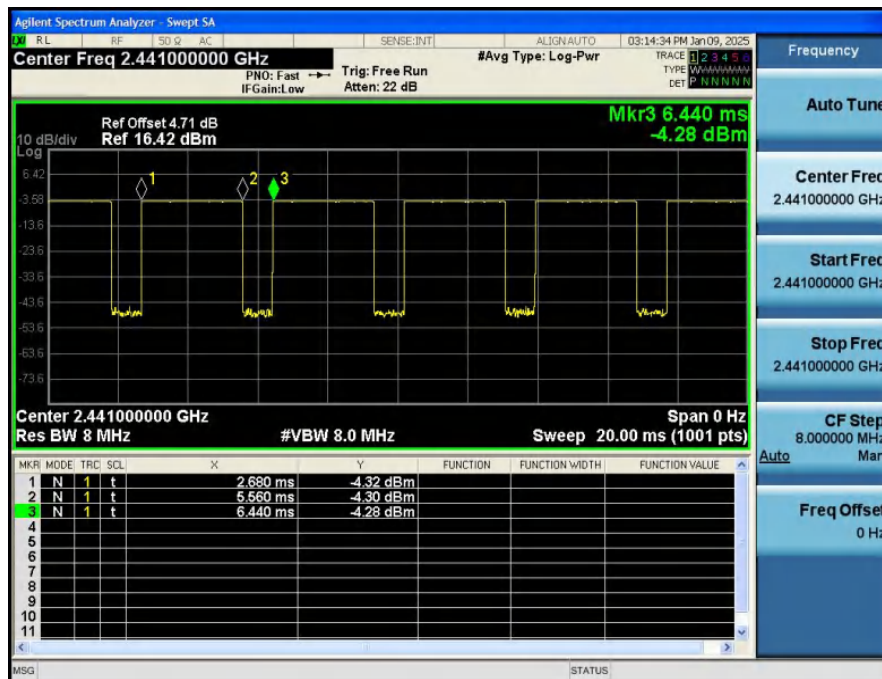
Appendix A: Duty Cycle

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

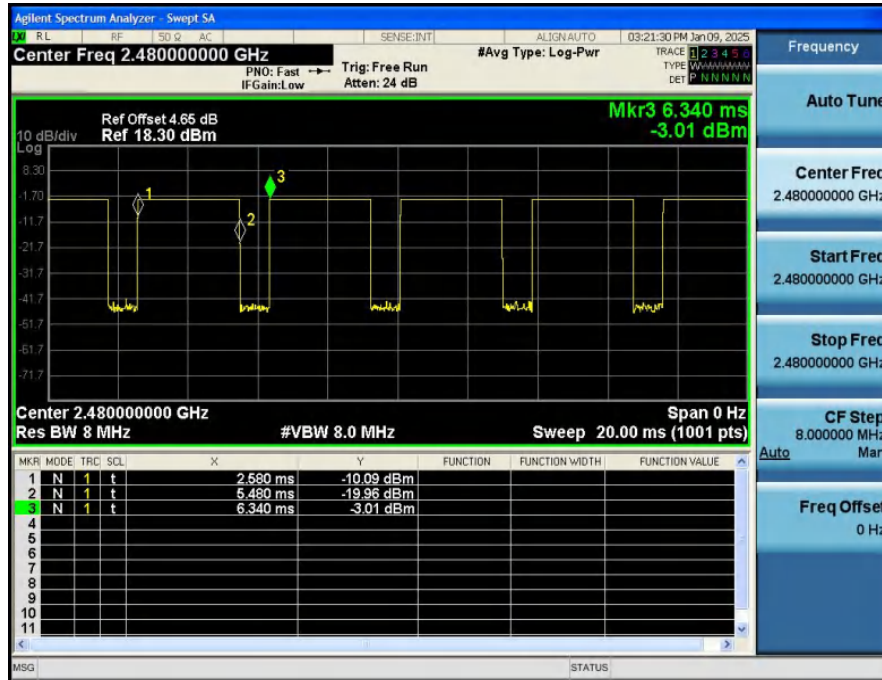
Duty_Cycle_NVNT_ANT1_1-DH5_2402



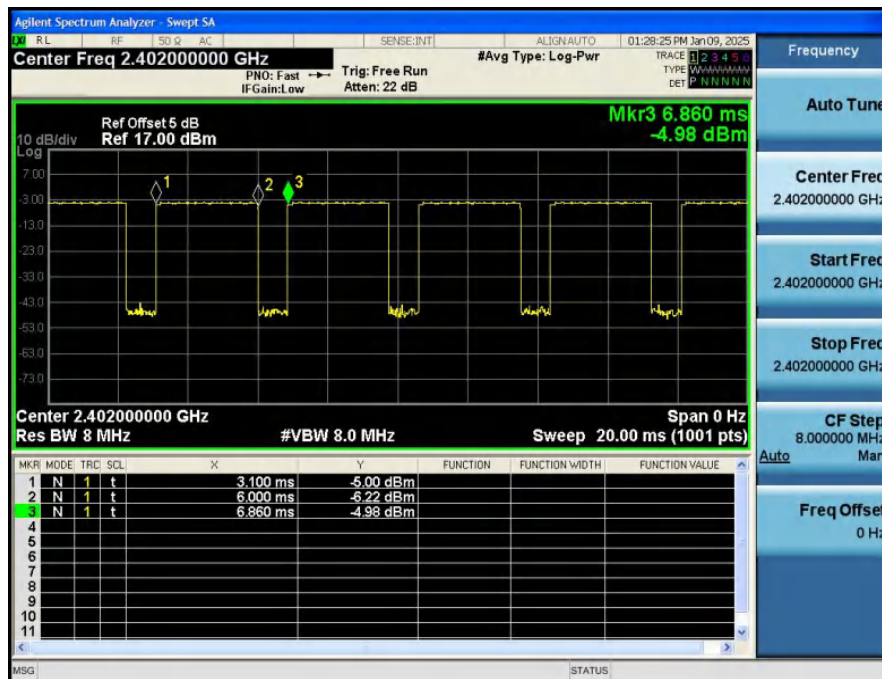
Duty_Cycle_NVNT_ANT1_1-DH5_2441



Duty_Cycle_NVNT_ANT1_1-DH5_2480



Duty_Cycle_NVNT_ANT1_2-DH5_2402

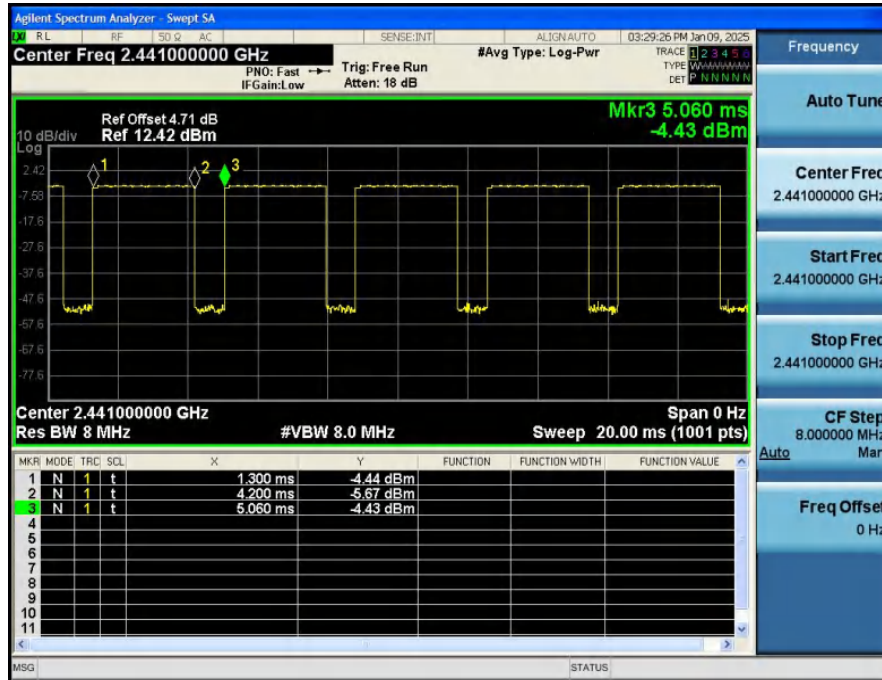


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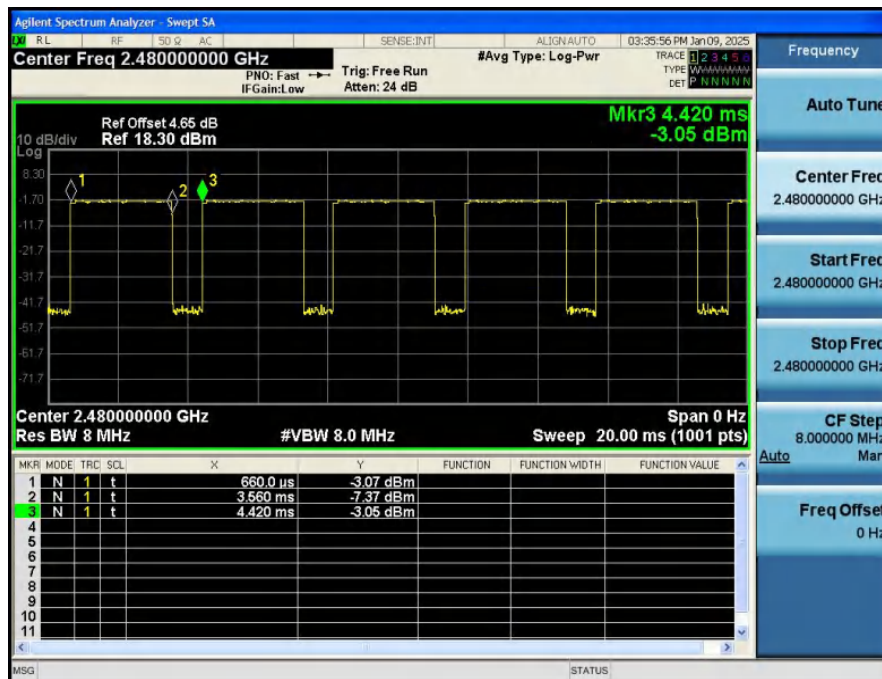
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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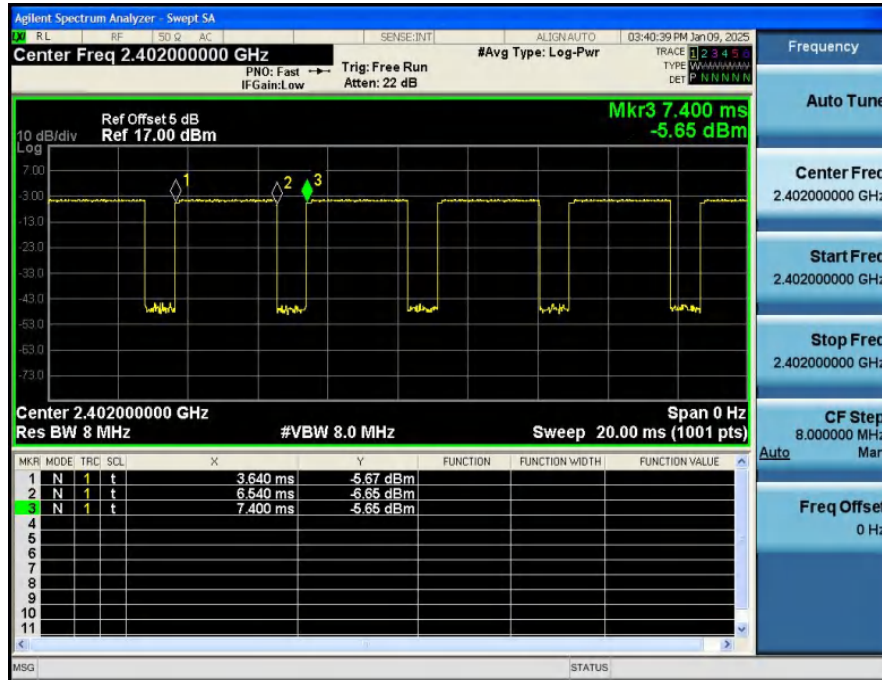
Duty_Cycle_NVNT_ANT1_2-DH5_2441



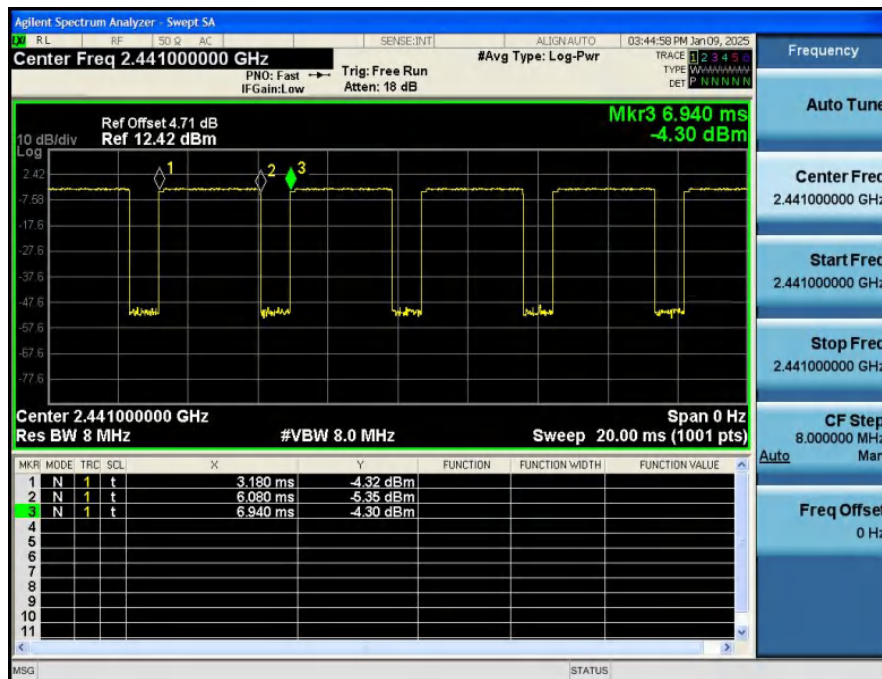
Duty_Cycle_NVNT_ANT1_2-DH5_2480



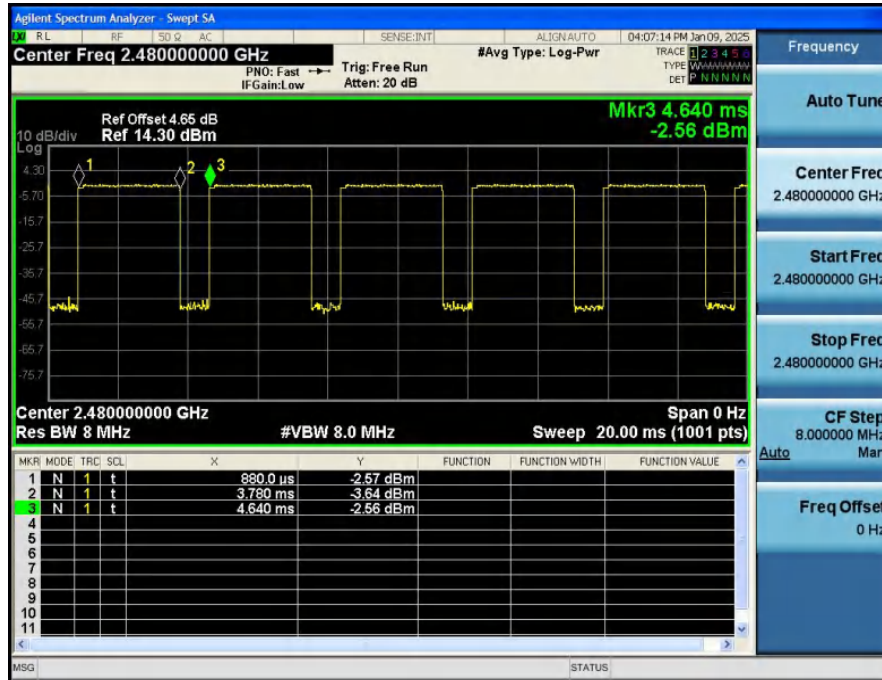
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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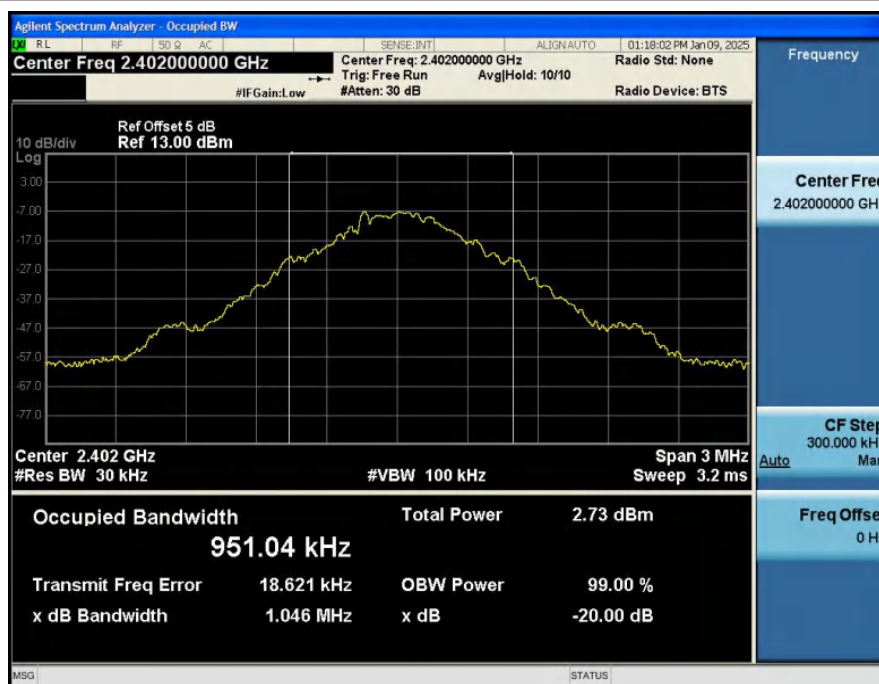
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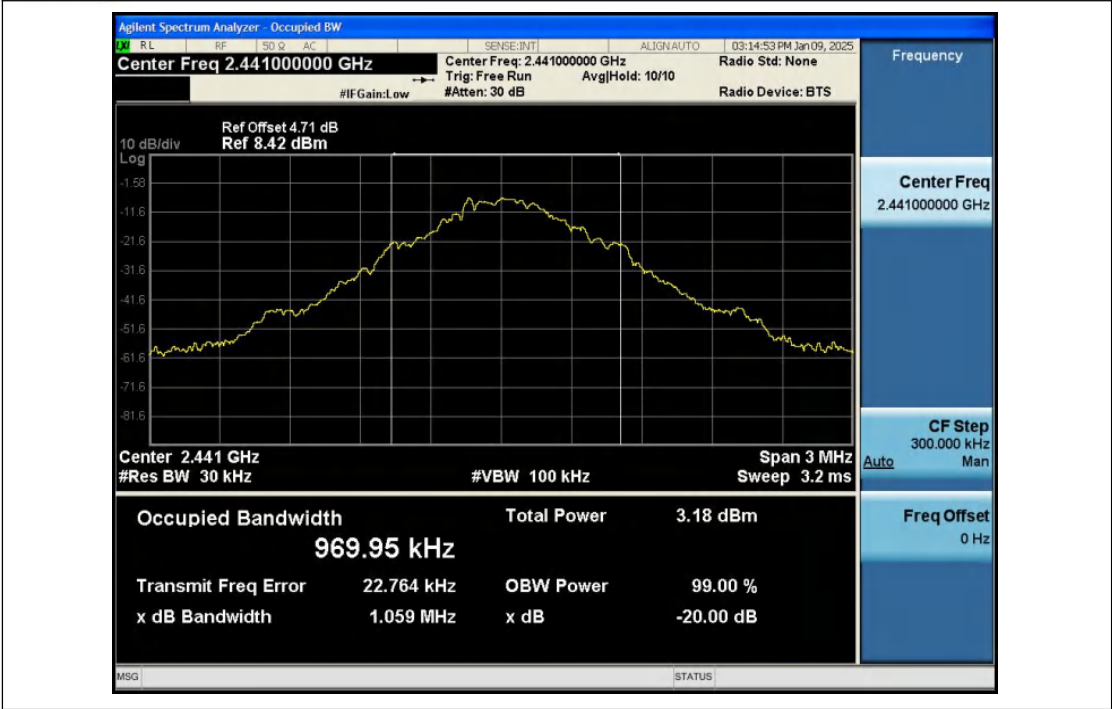
Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	1.046	Yes
NVNT	ANT1	1-DH5	2441.00	1.059	Yes
NVNT	ANT1	1-DH5	2480.00	1.057	Yes
NVNT	ANT1	2-DH5	2402.00	1.337	Yes
NVNT	ANT1	2-DH5	2441.00	1.340	Yes
NVNT	ANT1	2-DH5	2480.00	1.352	Yes
NVNT	ANT1	3-DH5	2402.00	1.313	Yes
NVNT	ANT1	3-DH5	2441.00	1.305	Yes
NVNT	ANT1	3-DH5	2480.00	1.290	Yes

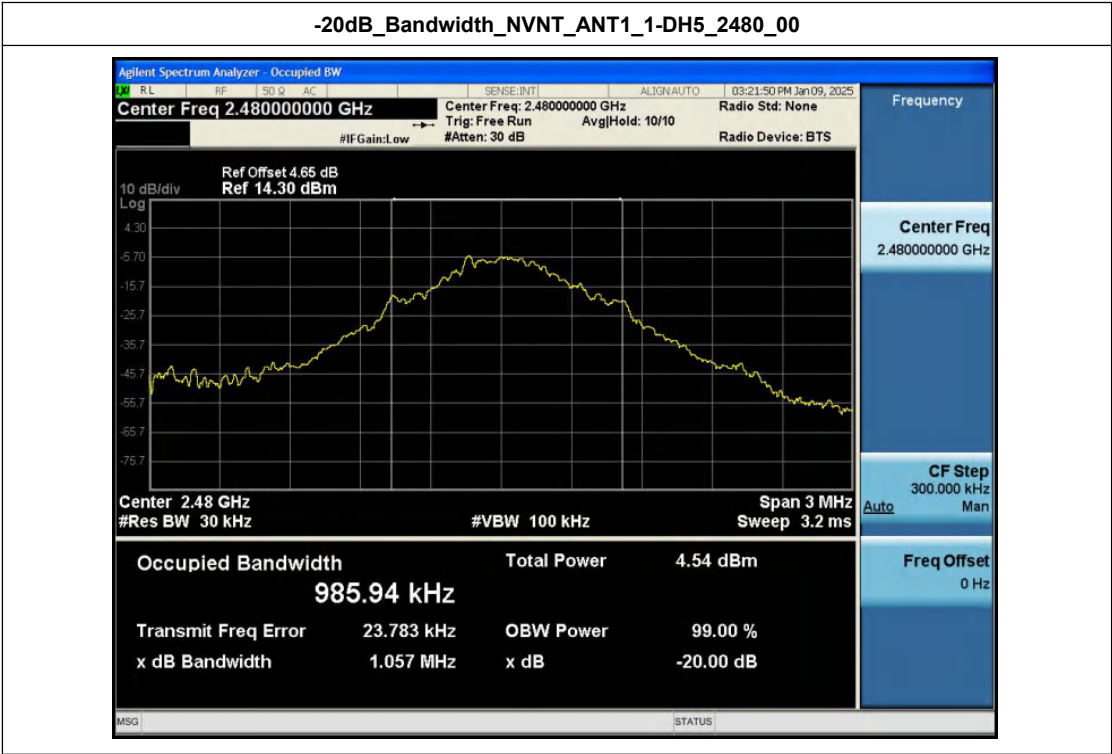
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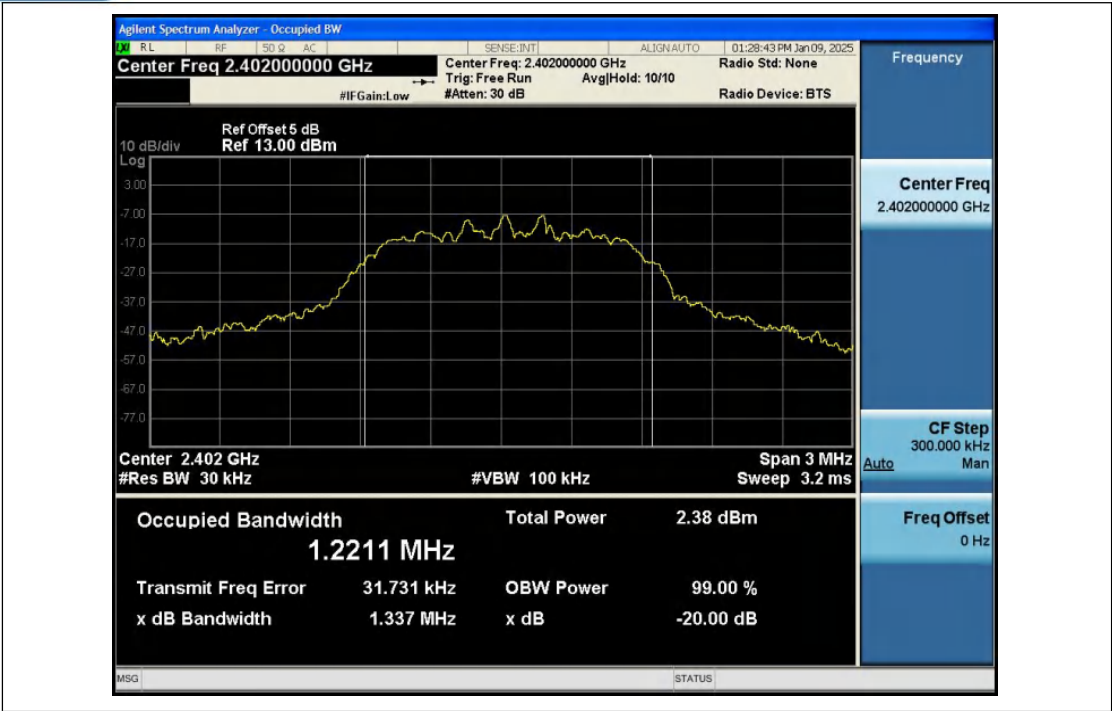
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



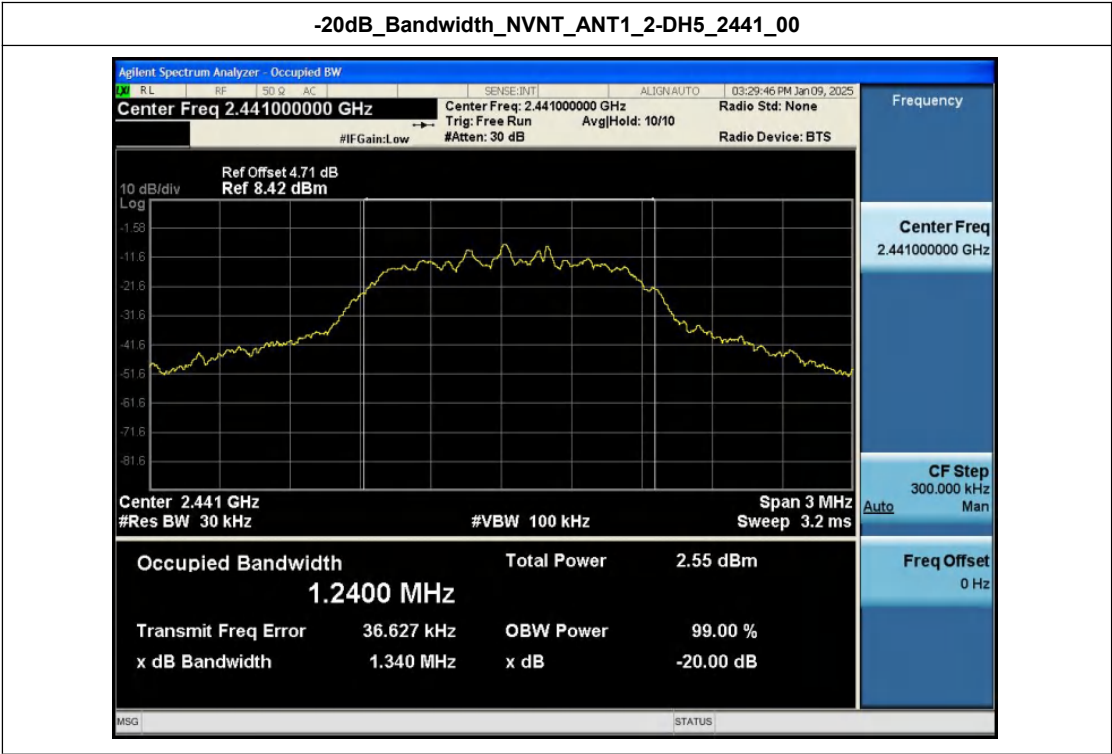
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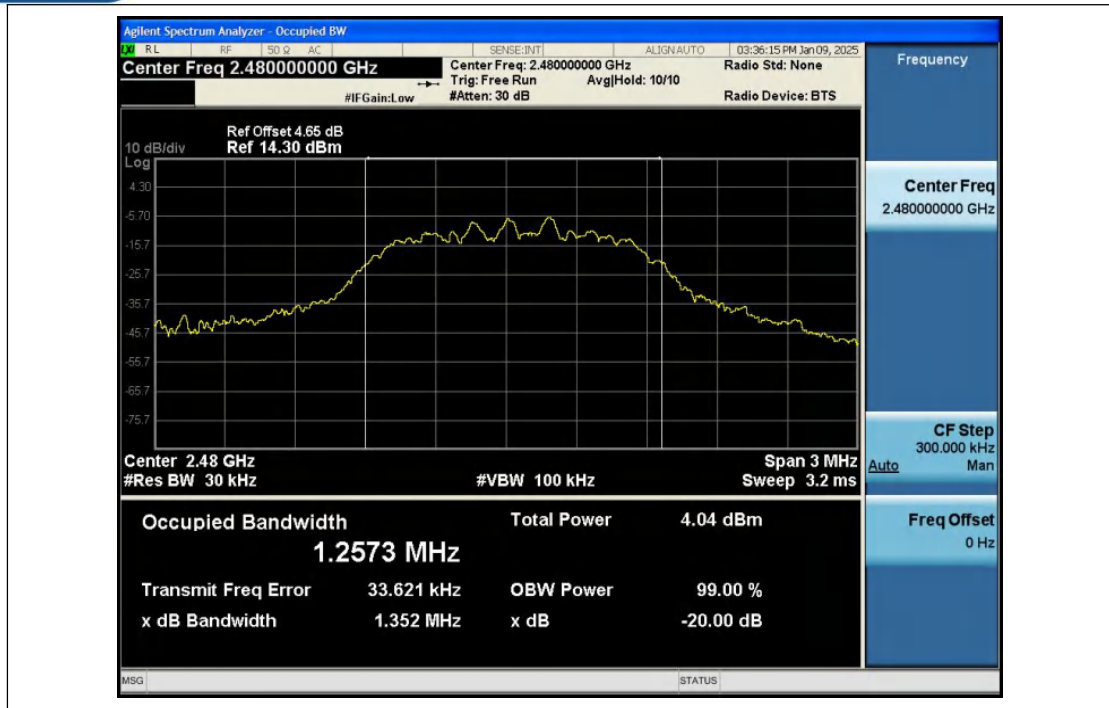
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



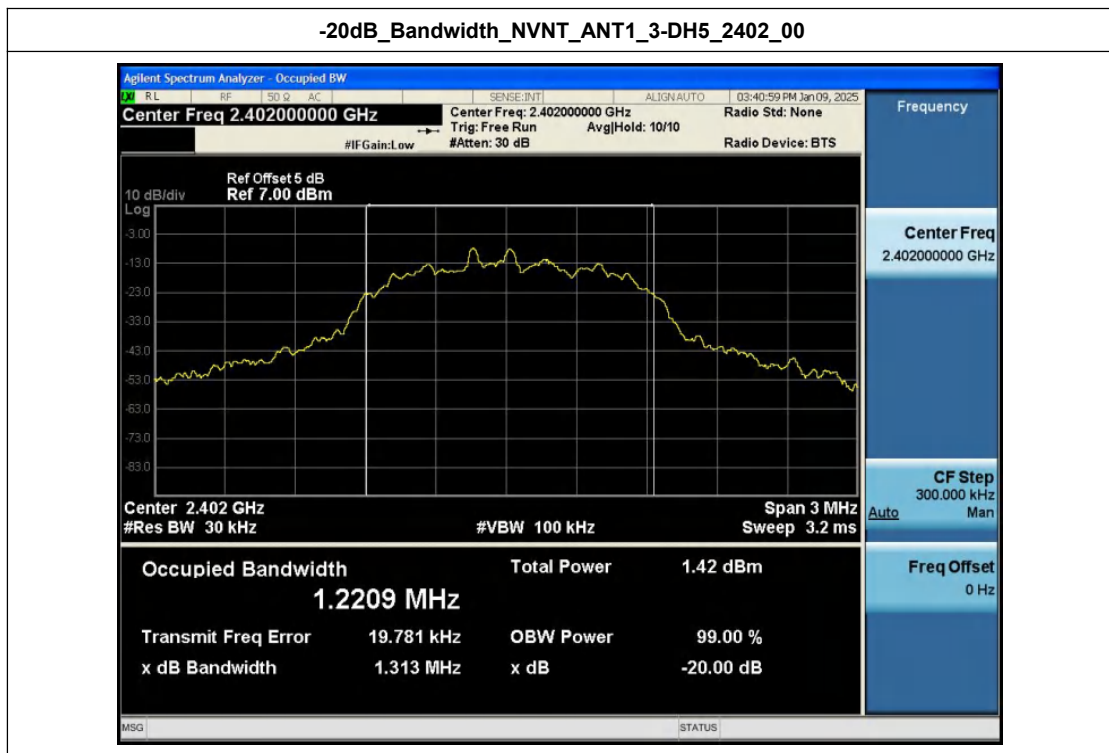
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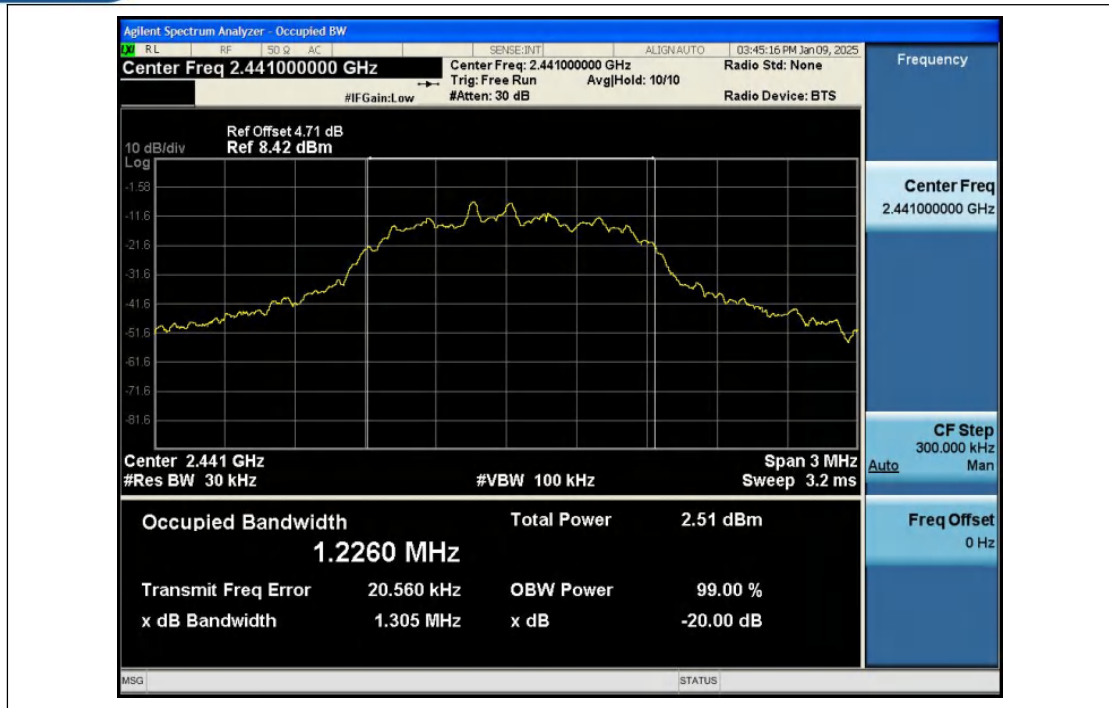
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



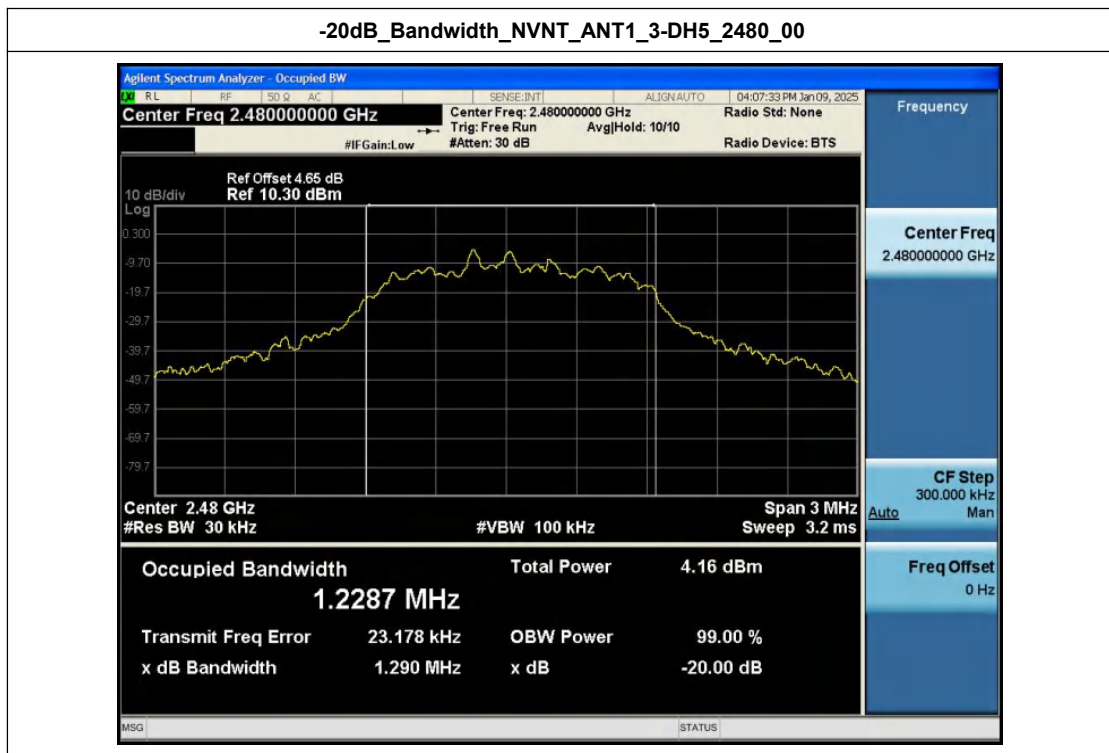
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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00



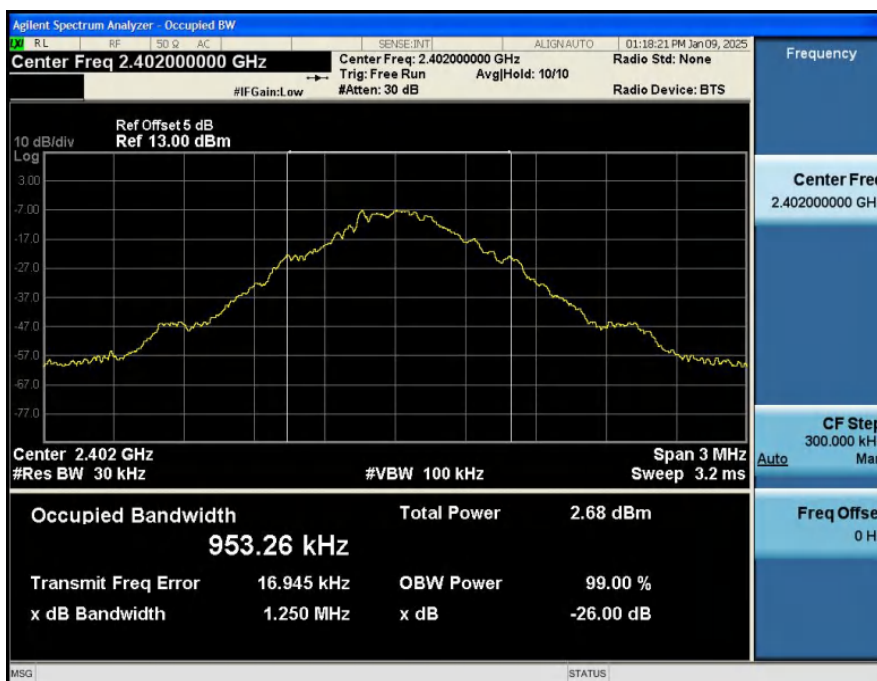
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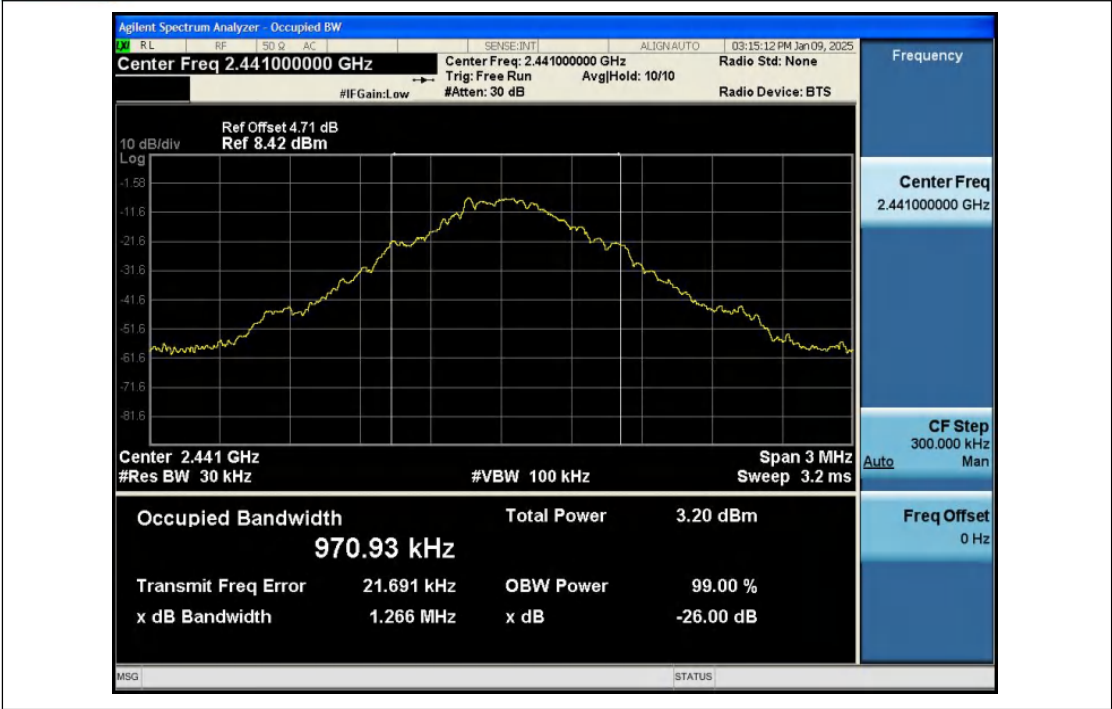
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH5	2402.00	0.953
NVNT	ANT1	1-DH5	2441.00	0.971
NVNT	ANT1	1-DH5	2480.00	0.987
NVNT	ANT1	2-DH5	2402.00	1.219
NVNT	ANT1	2-DH5	2441.00	1.235
NVNT	ANT1	2-DH5	2480.00	1.255
NVNT	ANT1	3-DH5	2402.00	1.221
NVNT	ANT1	3-DH5	2441.00	1.225
NVNT	ANT1	3-DH5	2480.00	1.228

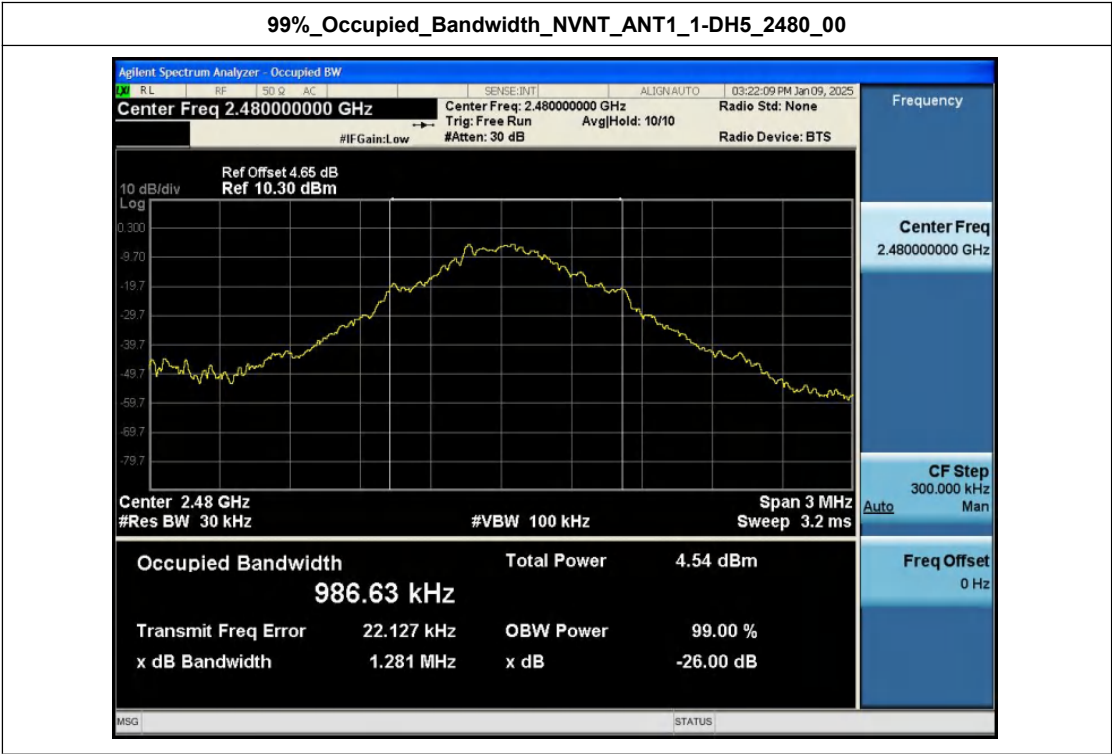
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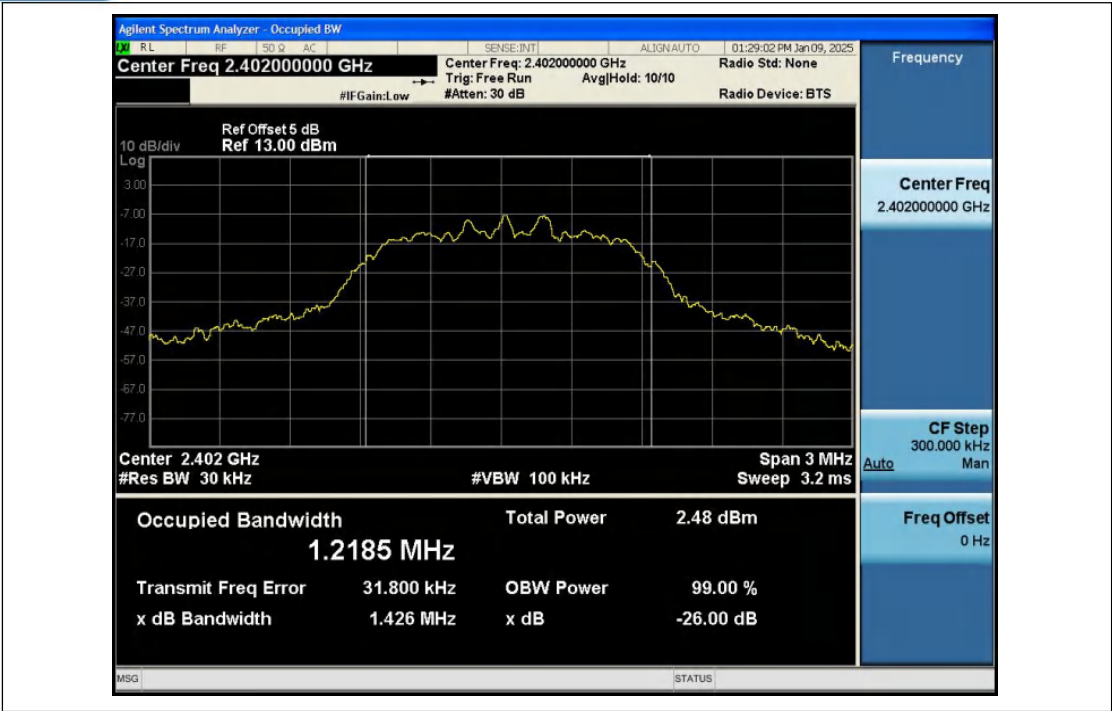
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



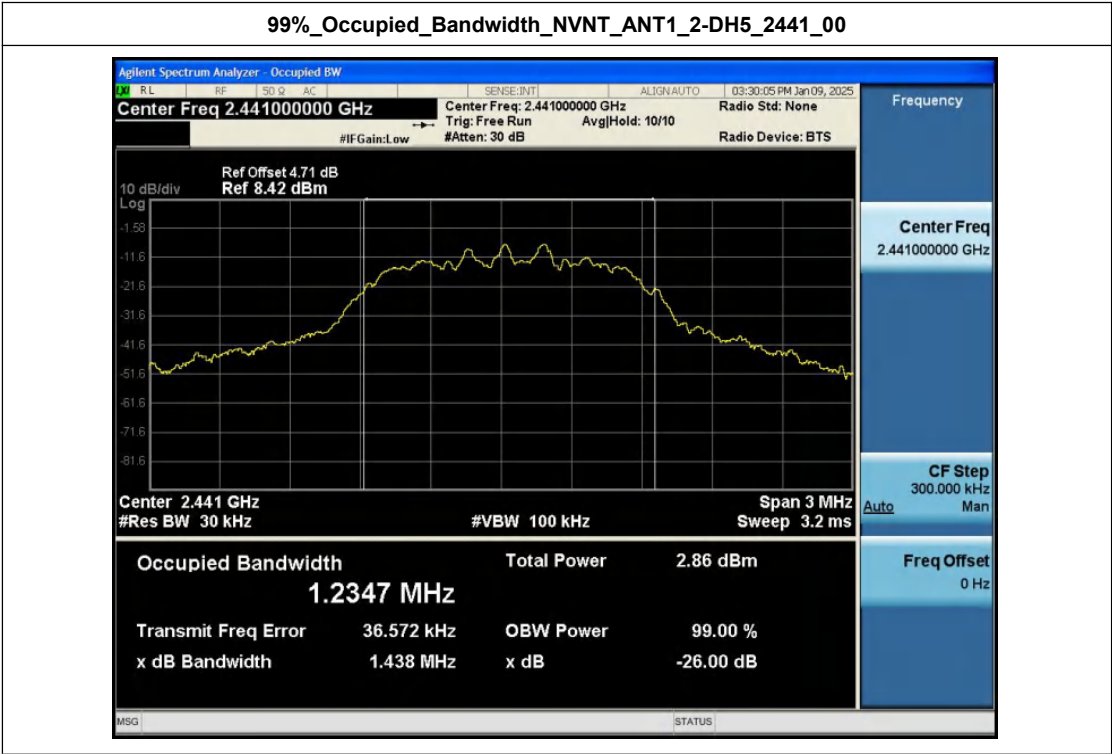
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



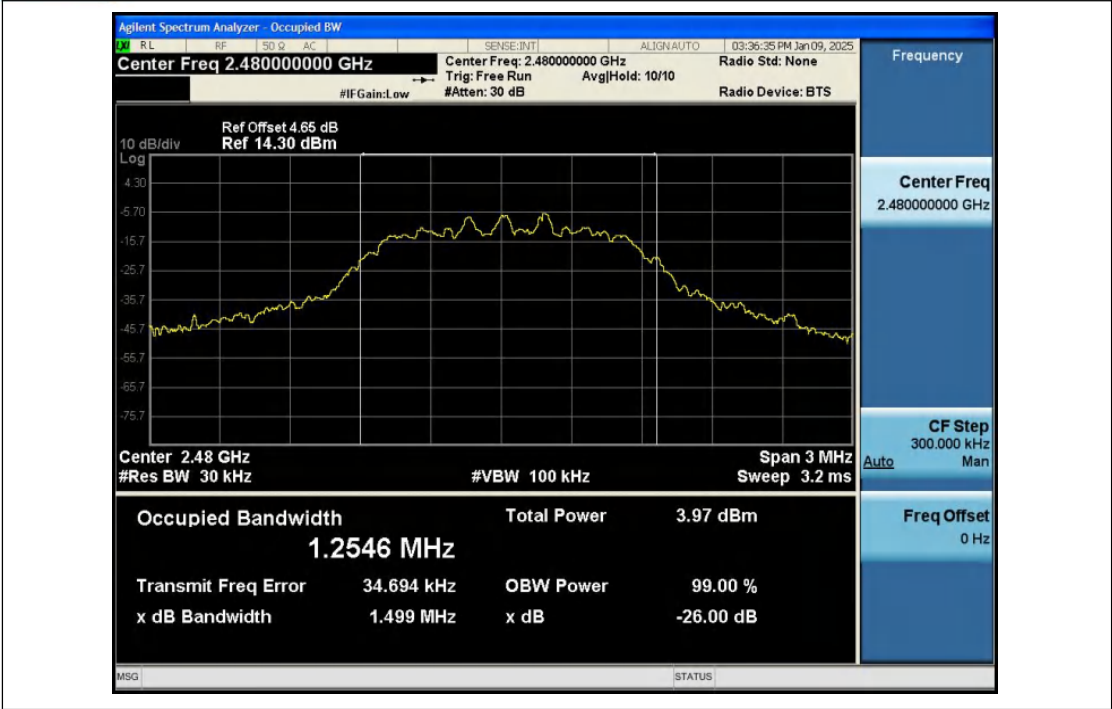
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



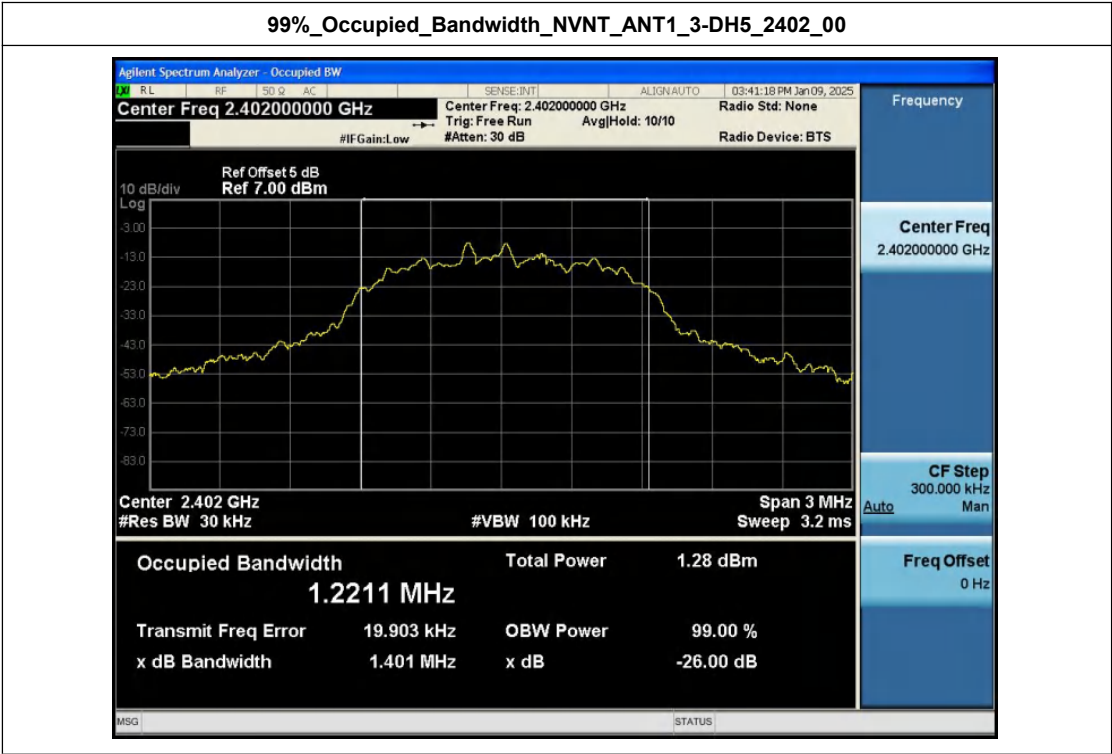
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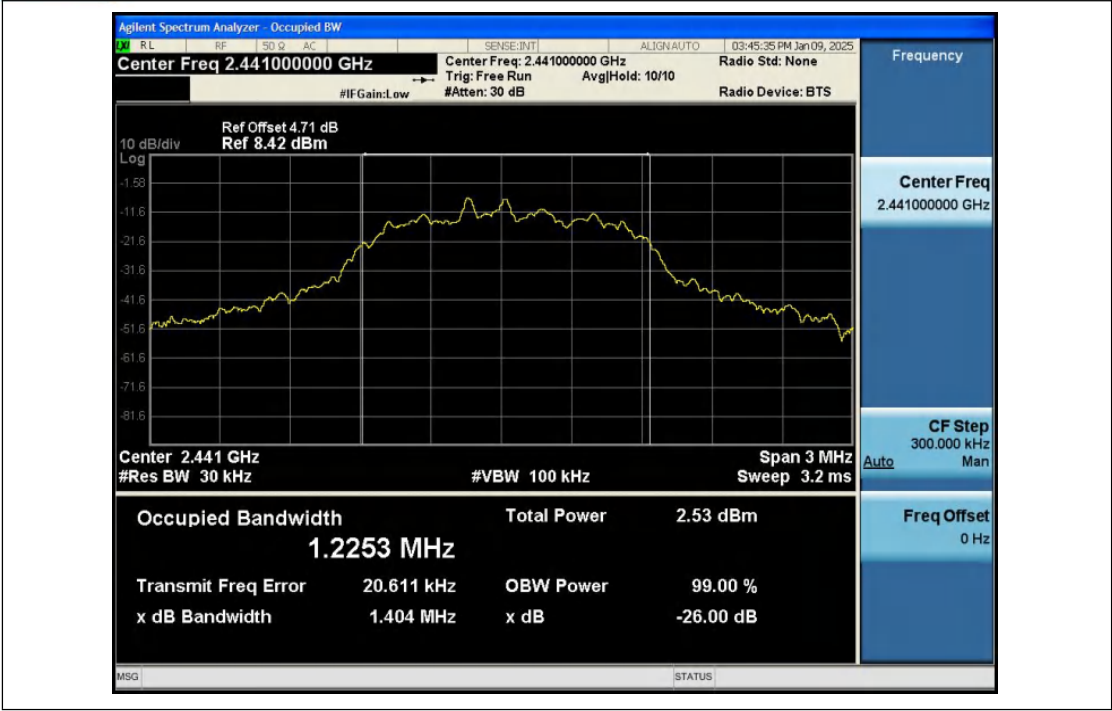
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



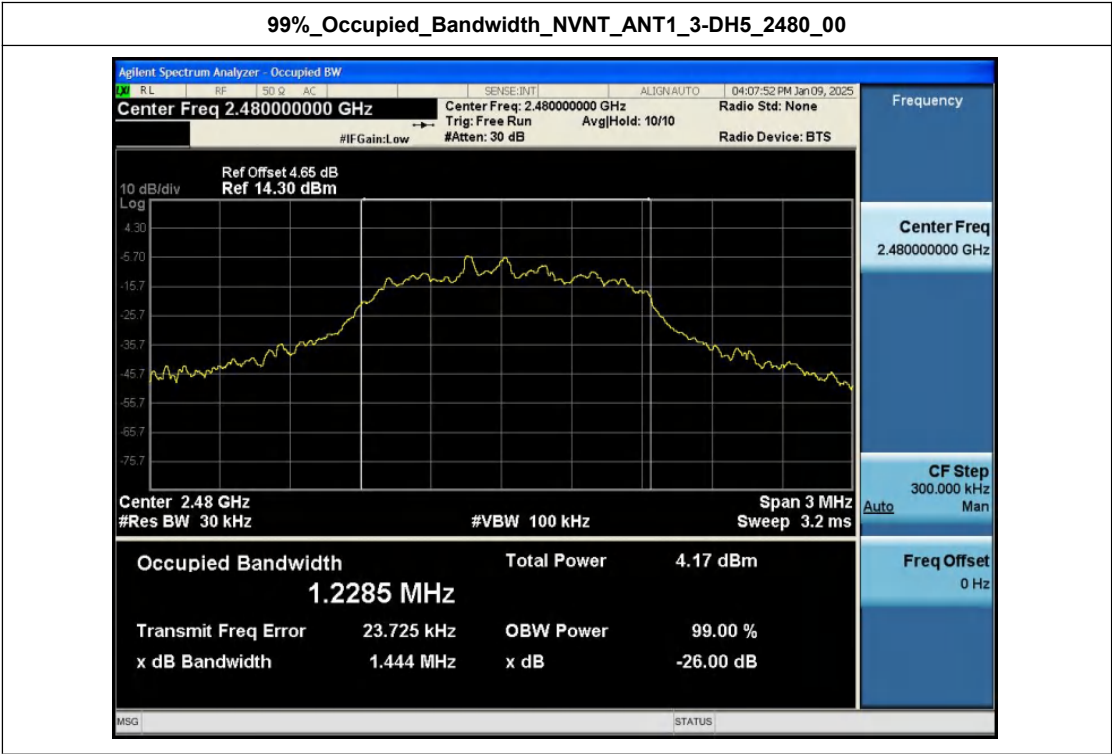
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



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	-4.87	0.33	125	Pass
NVNT	ANT1	1-DH5	2441.00	-4.29	0.37	125	Pass
NVNT	ANT1	1-DH5	2480.00	-2.87	0.52	125	Pass
NVNT	ANT1	2-DH5	2402.00	-3.96	0.40	125	Pass
NVNT	ANT1	2-DH5	2441.00	-3.43	0.45	125	Pass
NVNT	ANT1	2-DH5	2480.00	-2.05	0.62	125	Pass
NVNT	ANT1	3-DH5	2402.00	-4.37	0.37	125	Pass
NVNT	ANT1	3-DH5	2441.00	-3.01	0.50	125	Pass
NVNT	ANT1	3-DH5	2480.00	-1.22	0.75	125	Pass

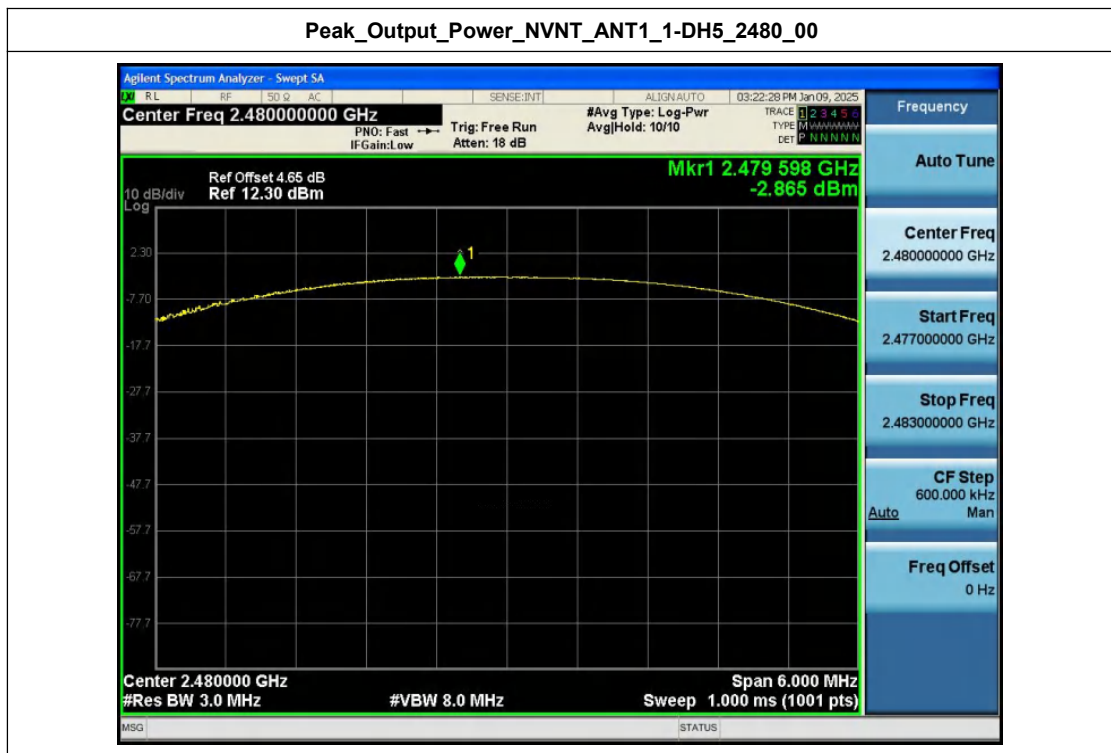
Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



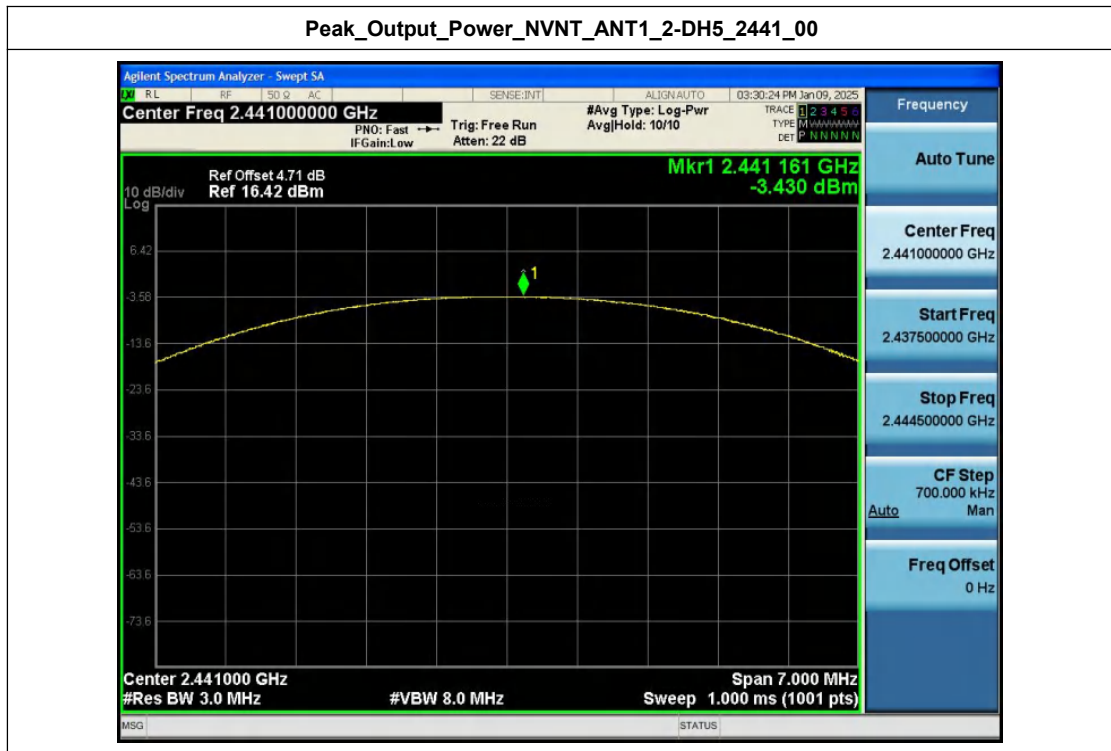
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



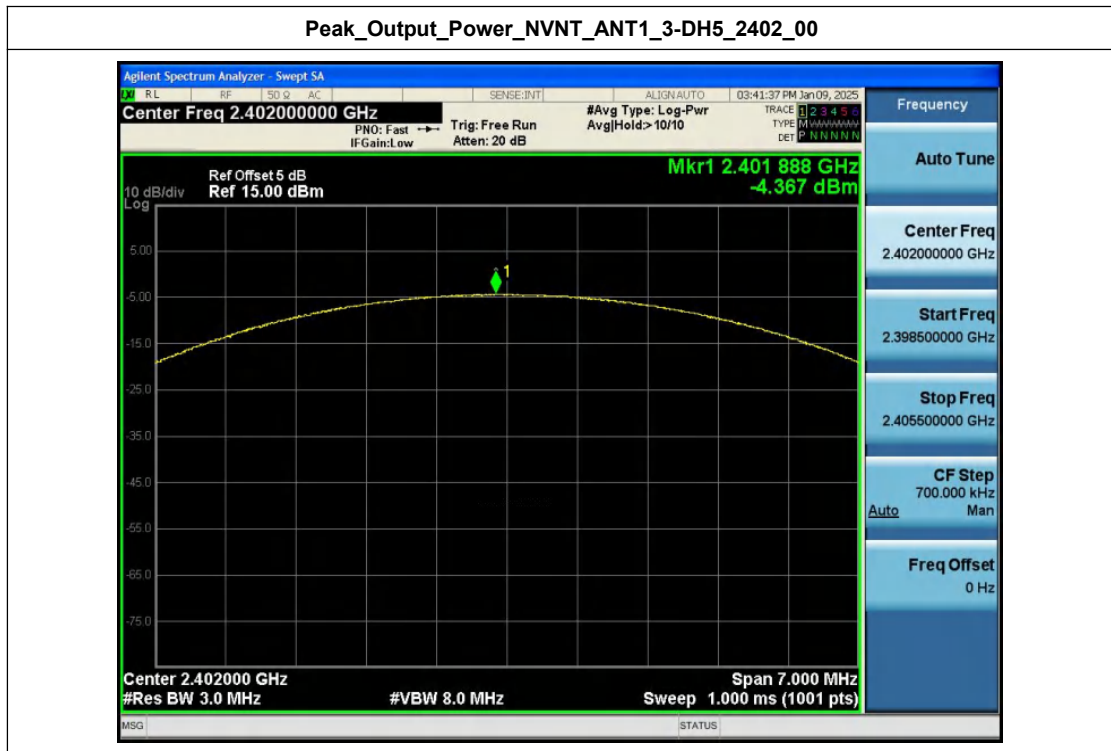
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



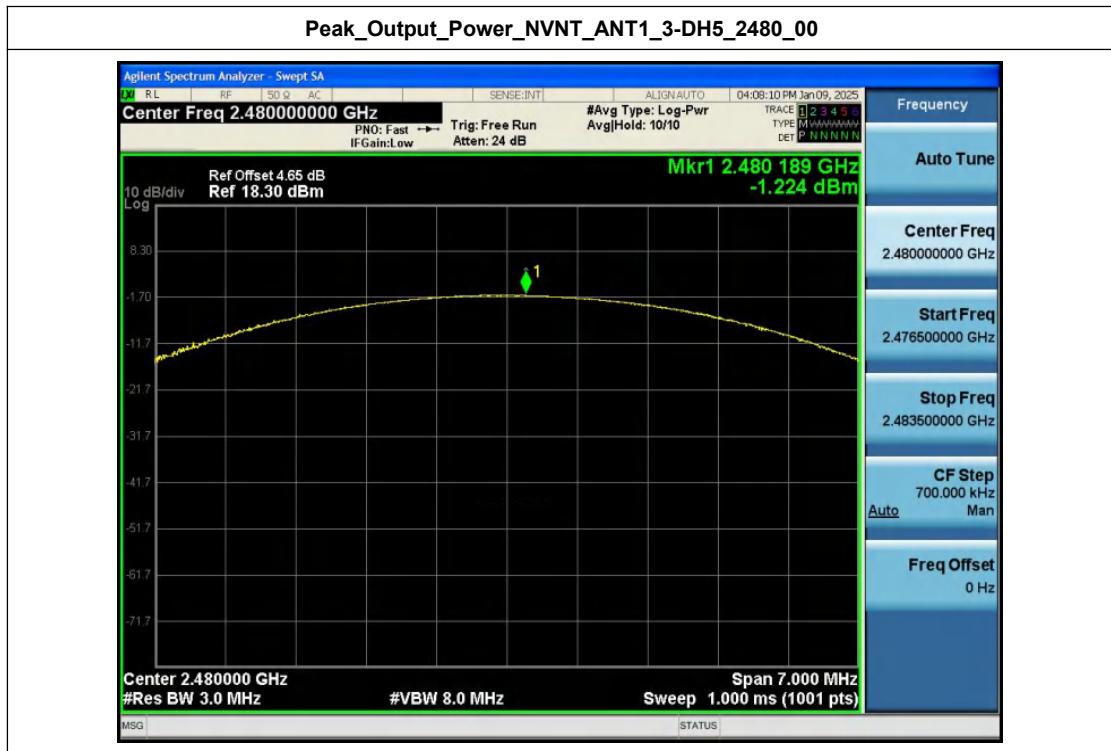
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



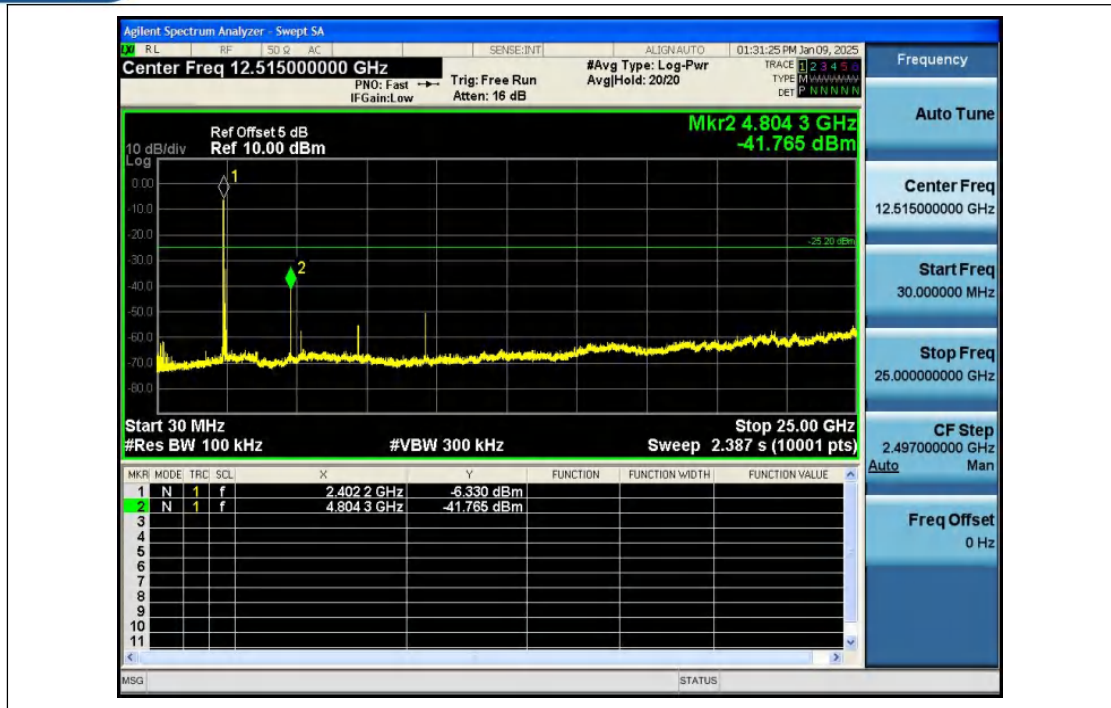
Appendix E: Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-5.200	-41.765	-25.200	Pass
NVNT	ANT1	1-DH5	2441.00	-4.665	-38.523	-24.665	Pass
NVNT	ANT1	1-DH5	2480.00	-3.432	-39.174	-23.432	Pass
NVNT	ANT1	2-DH5	2402.00	-5.944	-43.063	-25.944	Pass
NVNT	ANT1	2-DH5	2441.00	-4.710	-40.652	-24.710	Pass
NVNT	ANT1	2-DH5	2480.00	-3.628	-42.834	-23.628	Pass
NVNT	ANT1	3-DH5	2402.00	-5.968	-42.112	-25.968	Pass
NVNT	ANT1	3-DH5	2441.00	-4.647	-40.027	-24.647	Pass
NVNT	ANT1	3-DH5	2480.00	-2.993	-42.215	-22.993	Pass

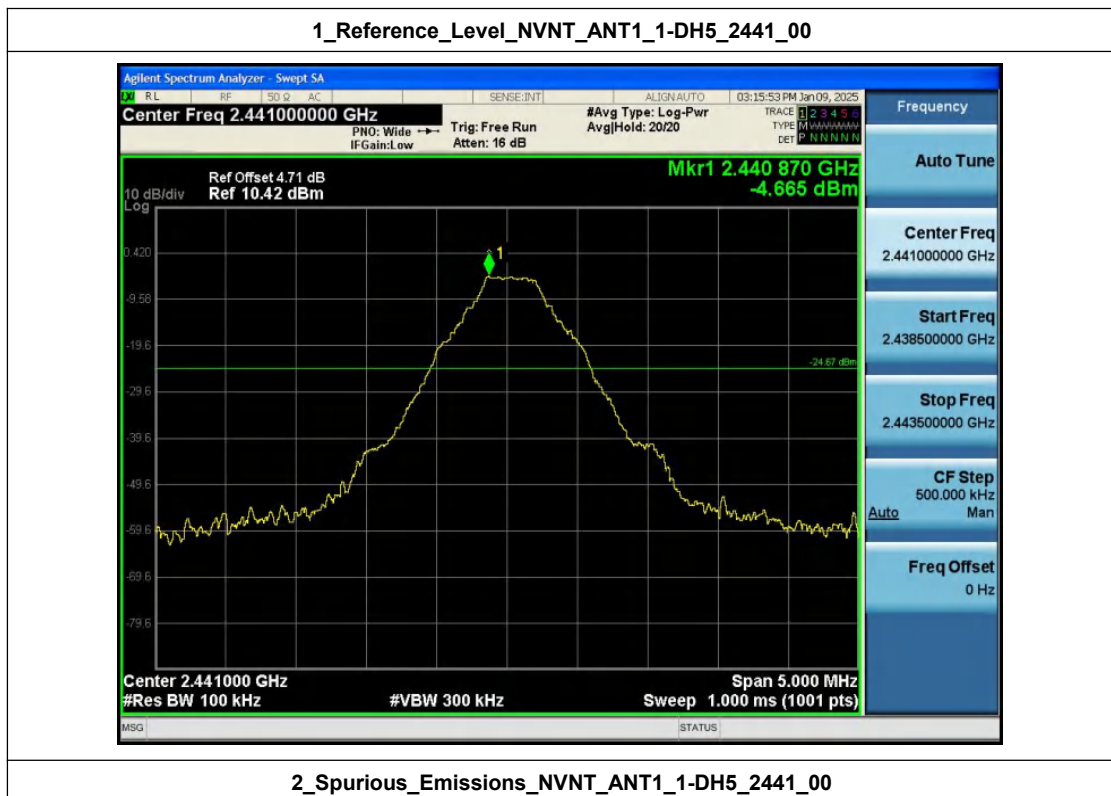
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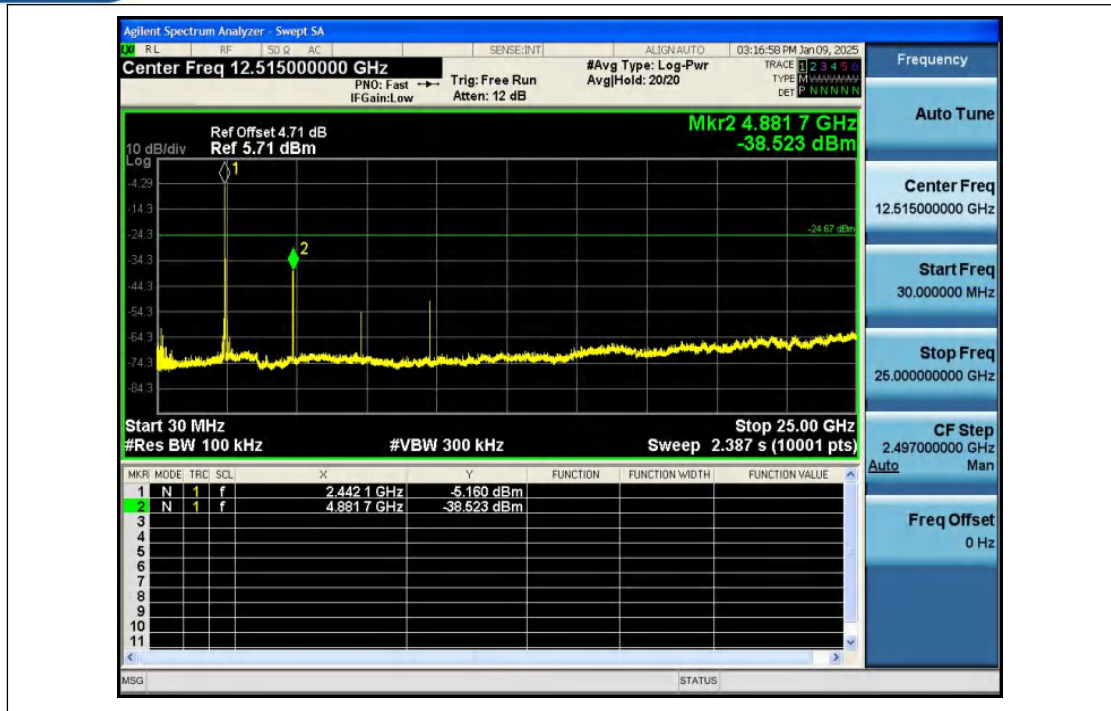
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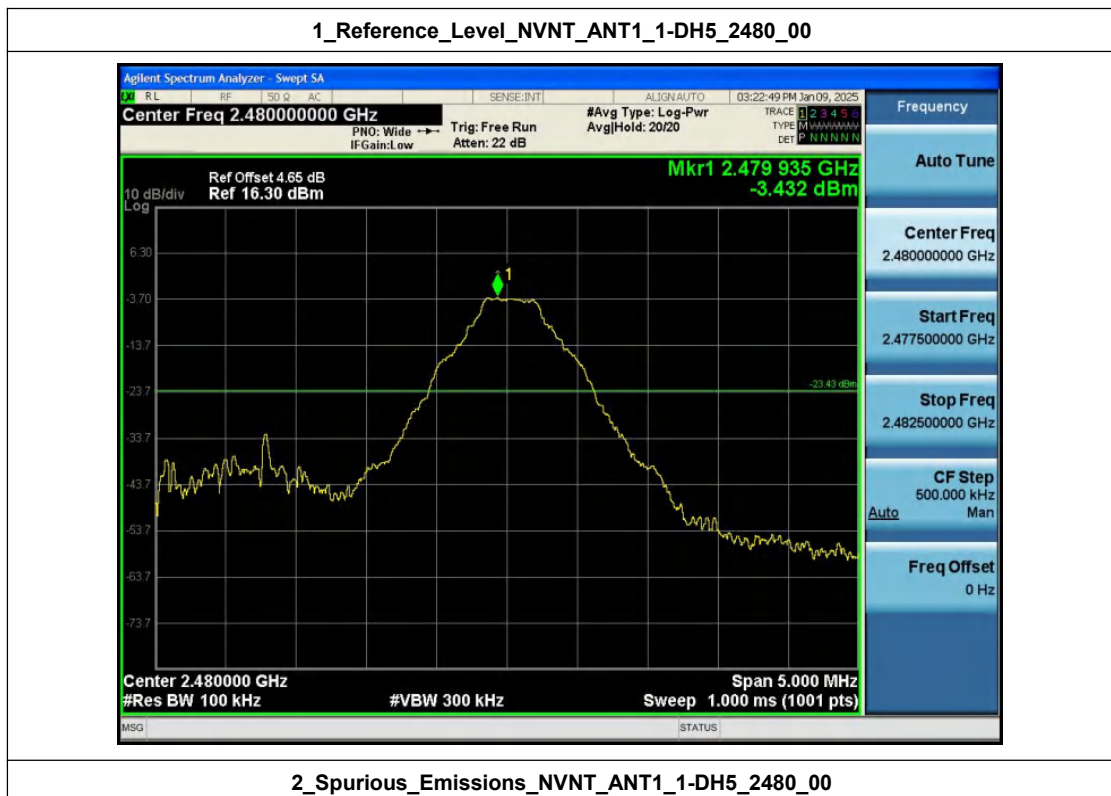
1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



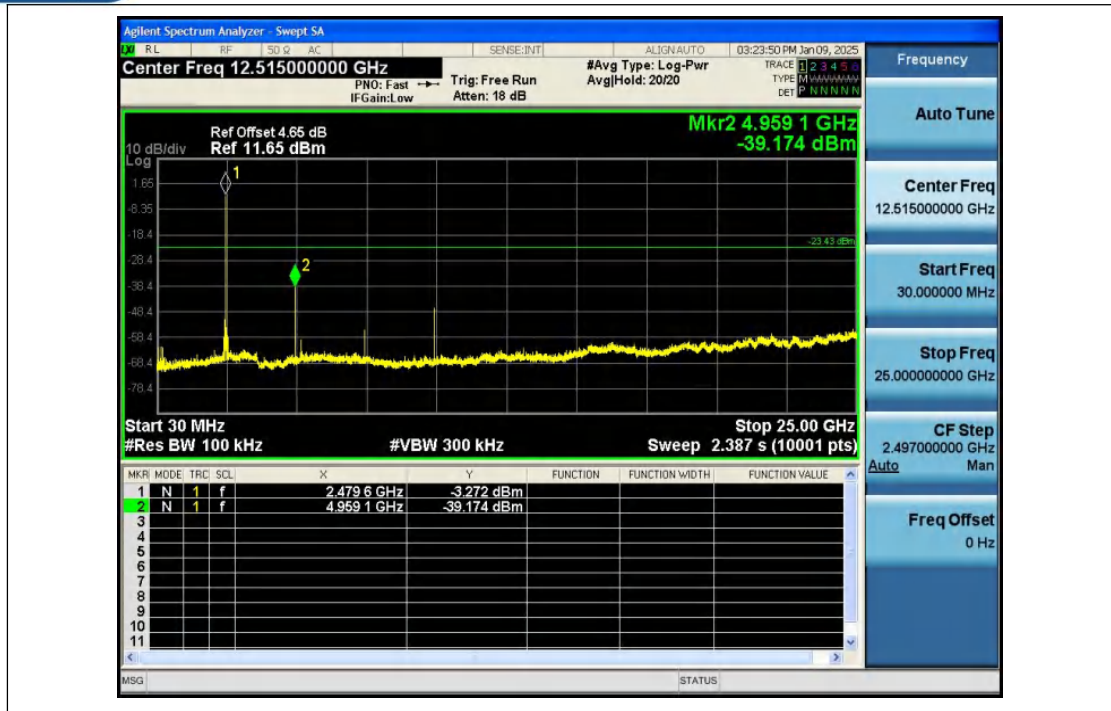
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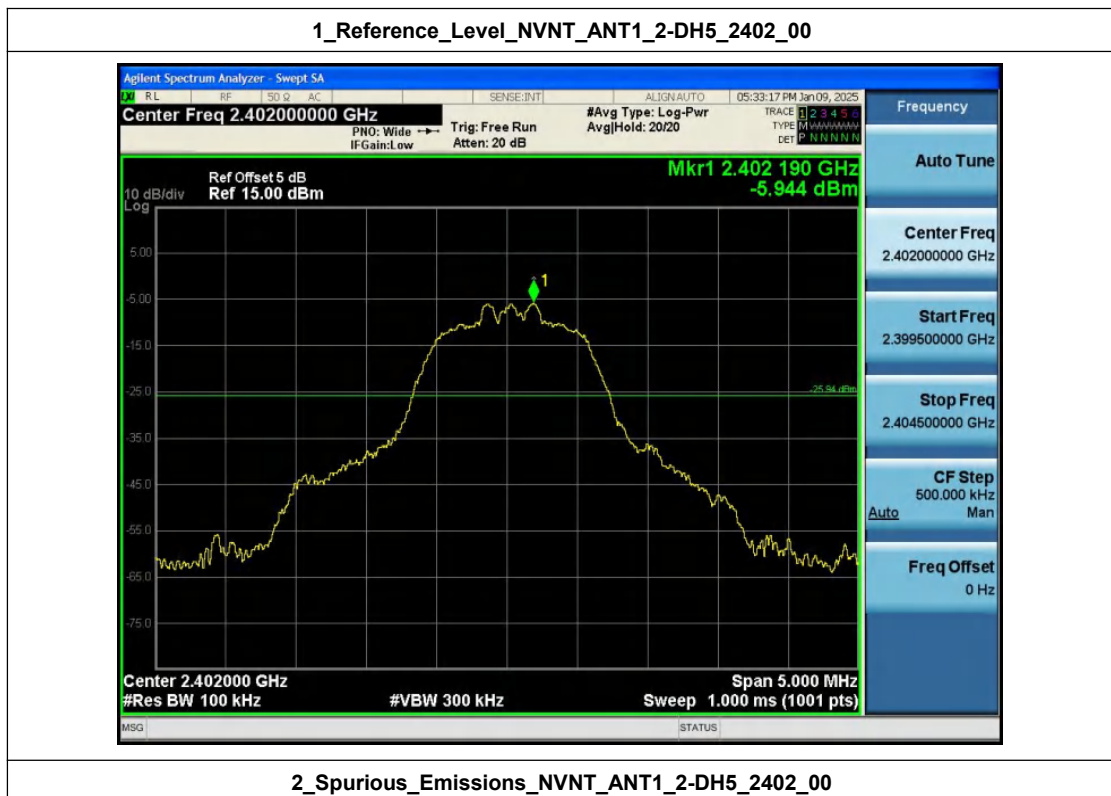
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



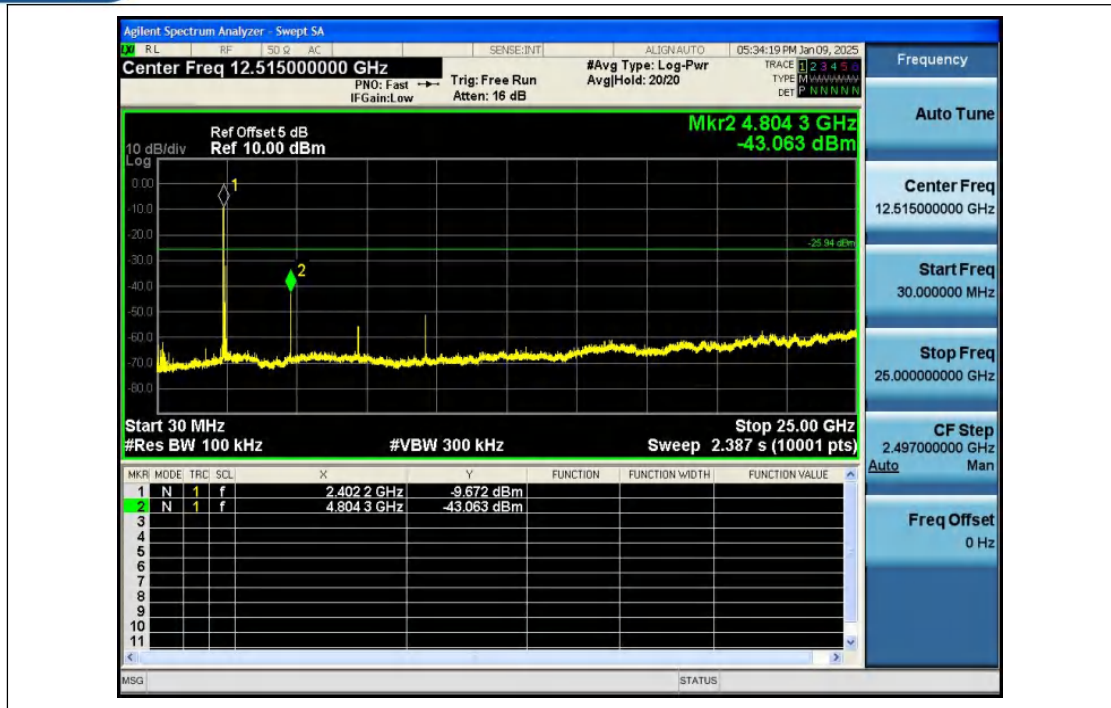
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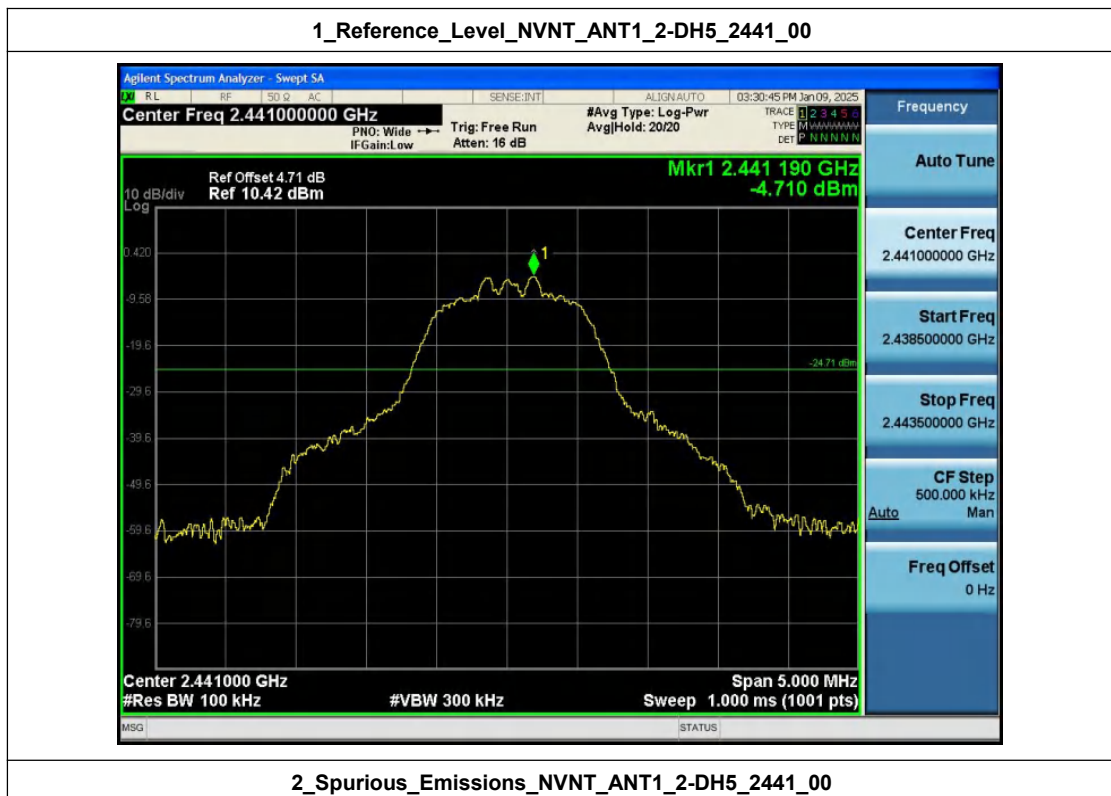
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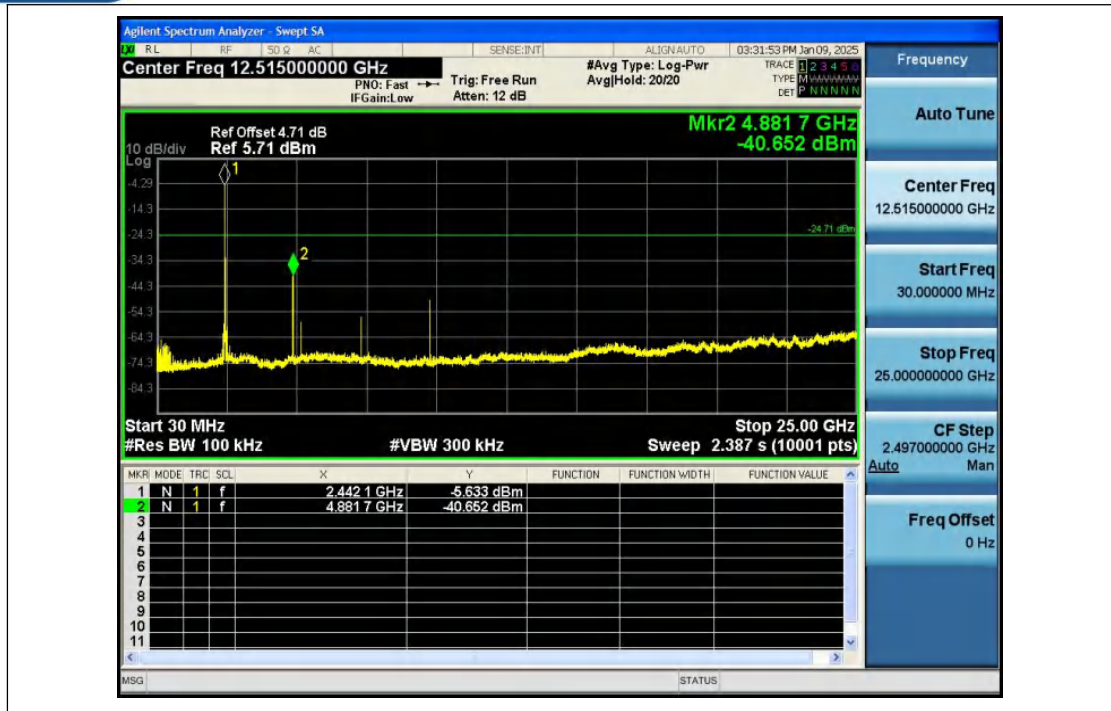
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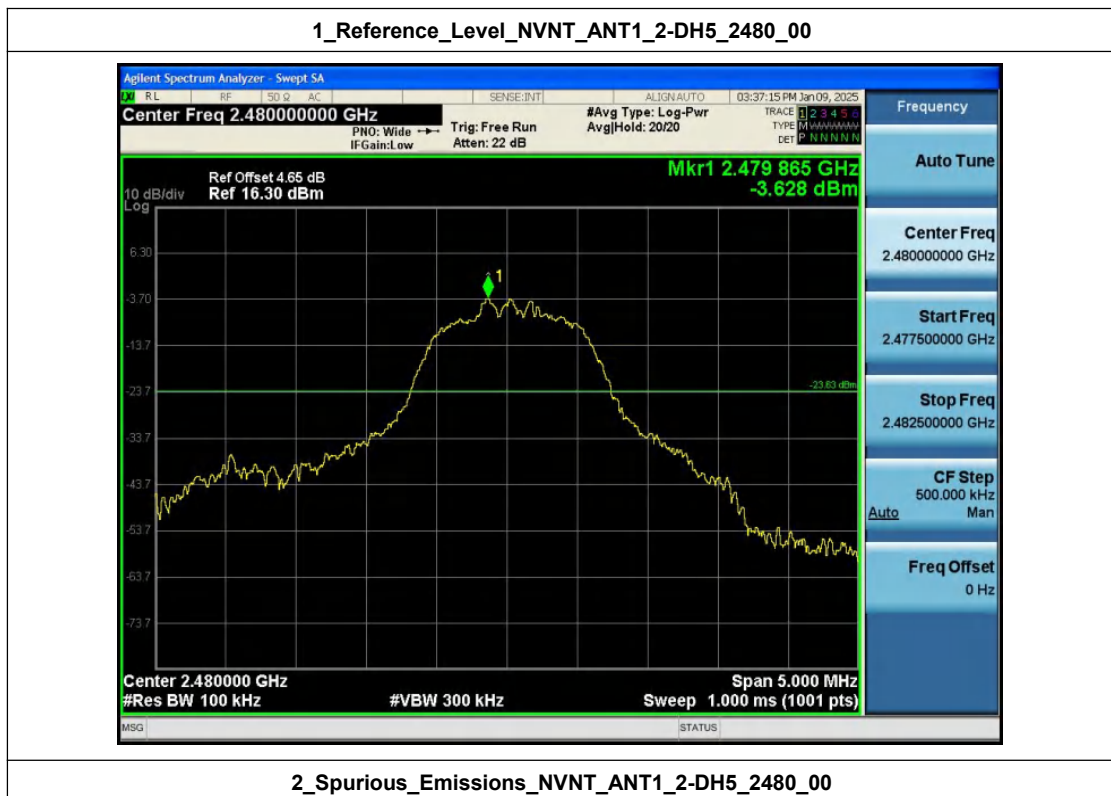
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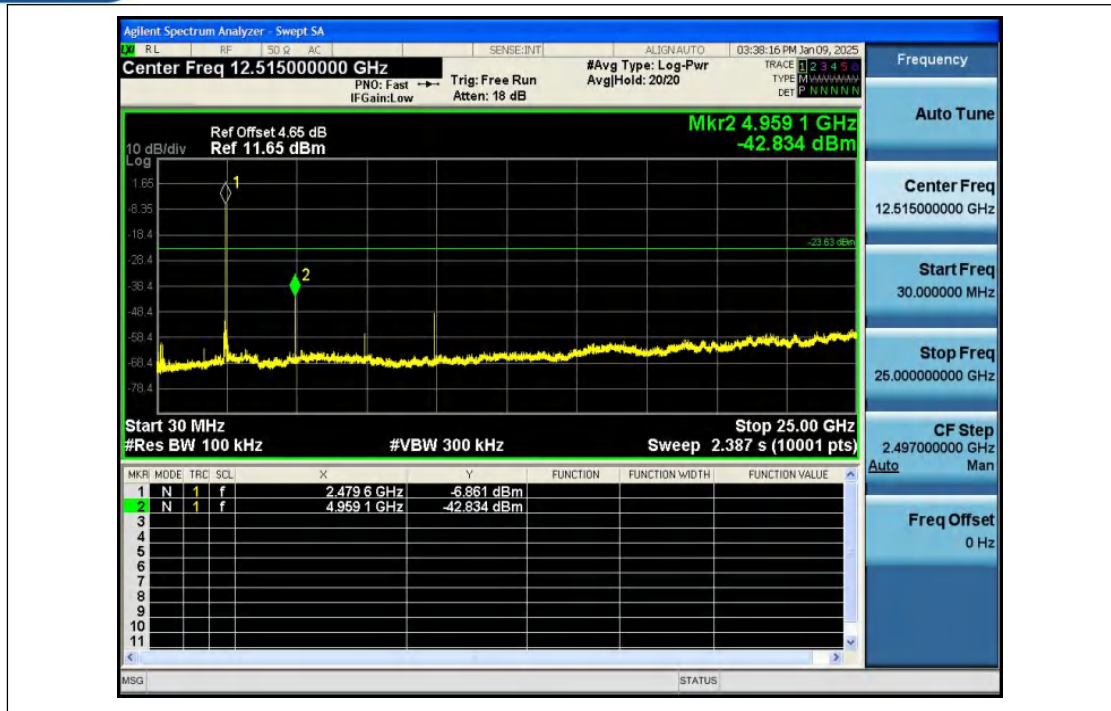
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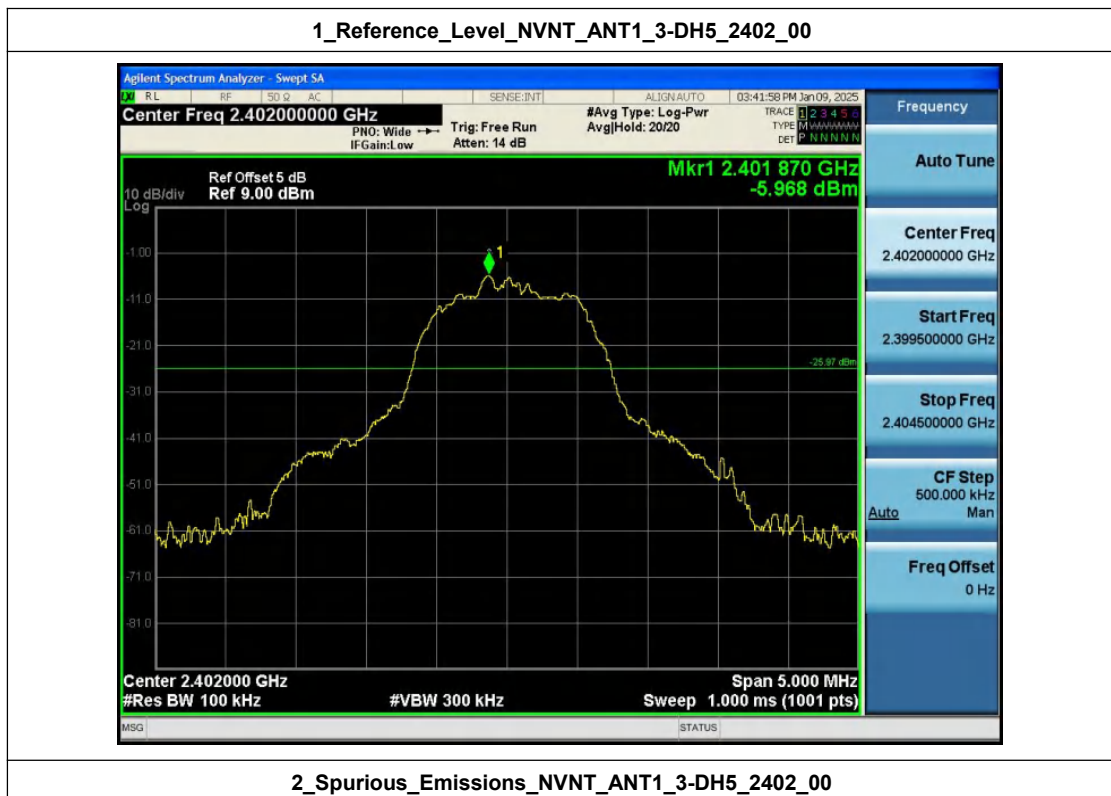
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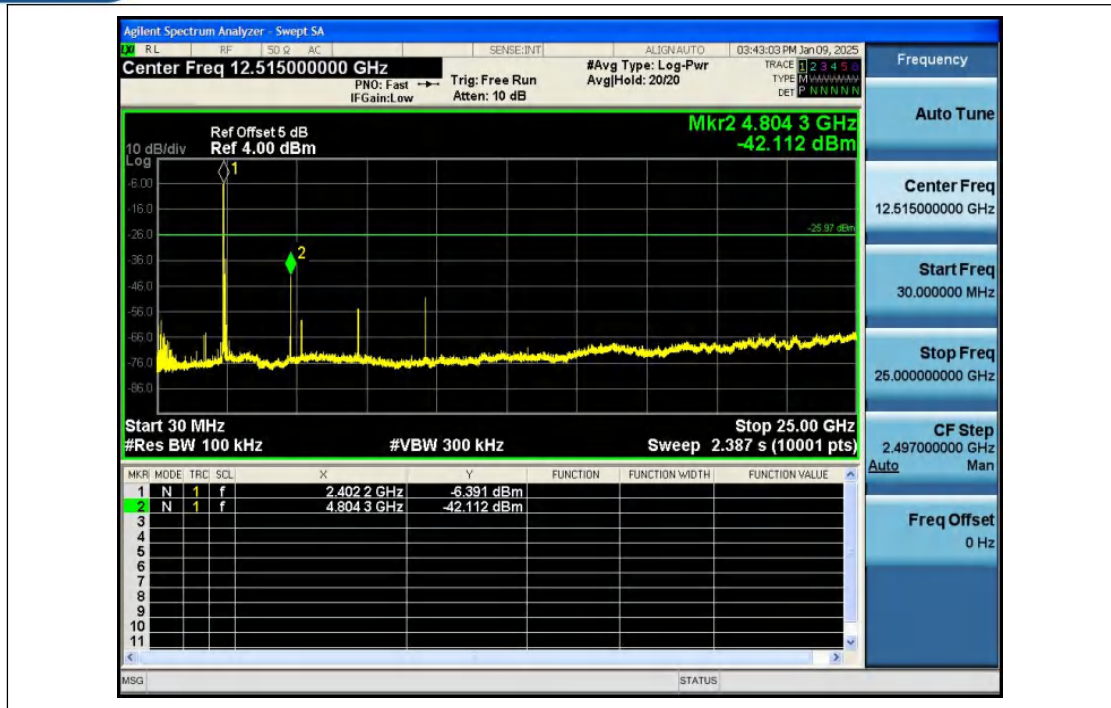
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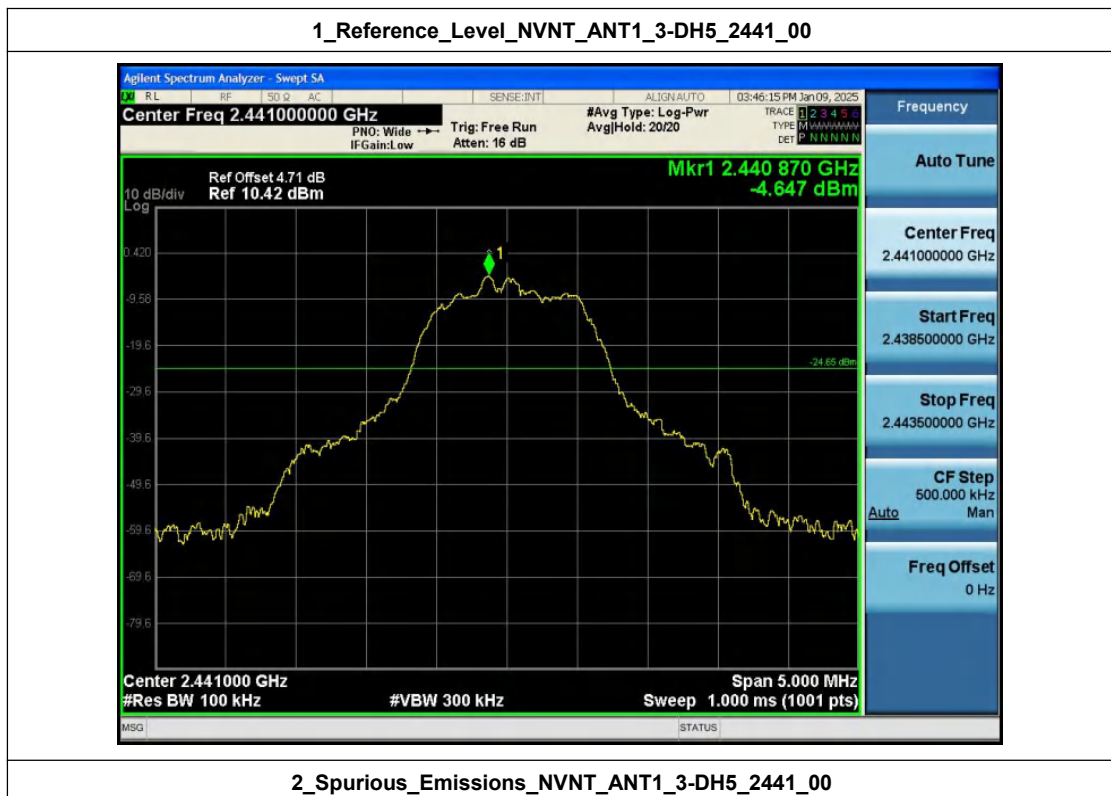
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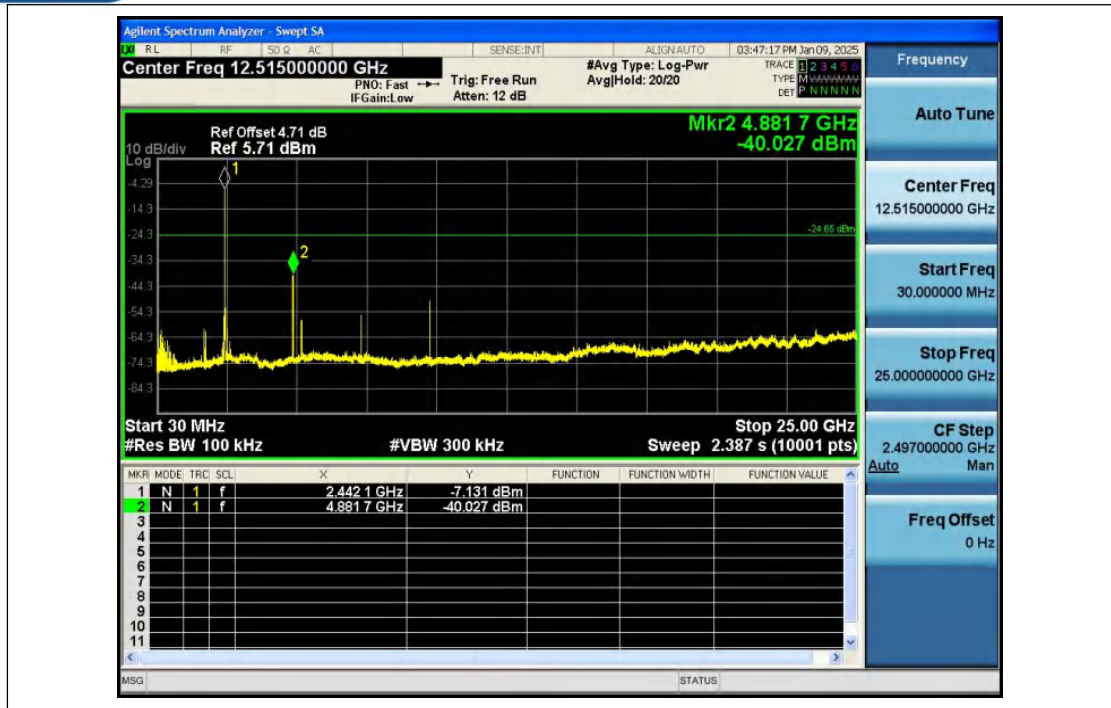
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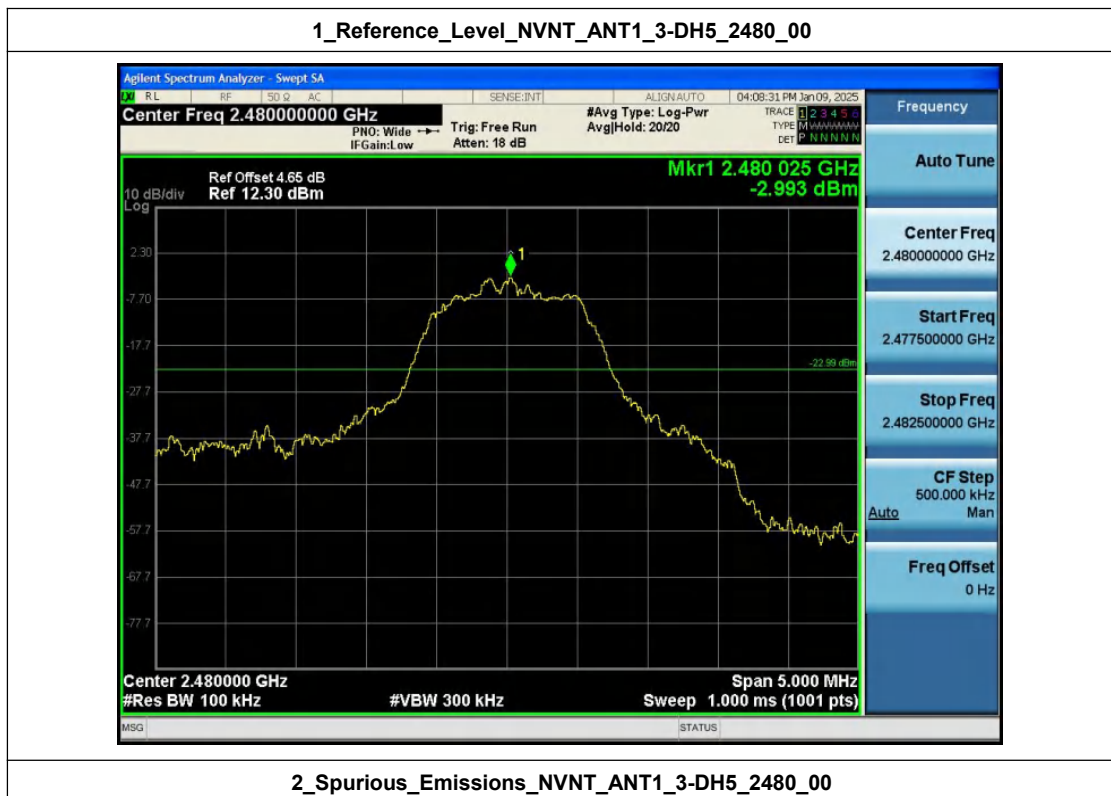
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2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



1_Reference_Level_NVNT_ANT1_3-DH5_2480_00

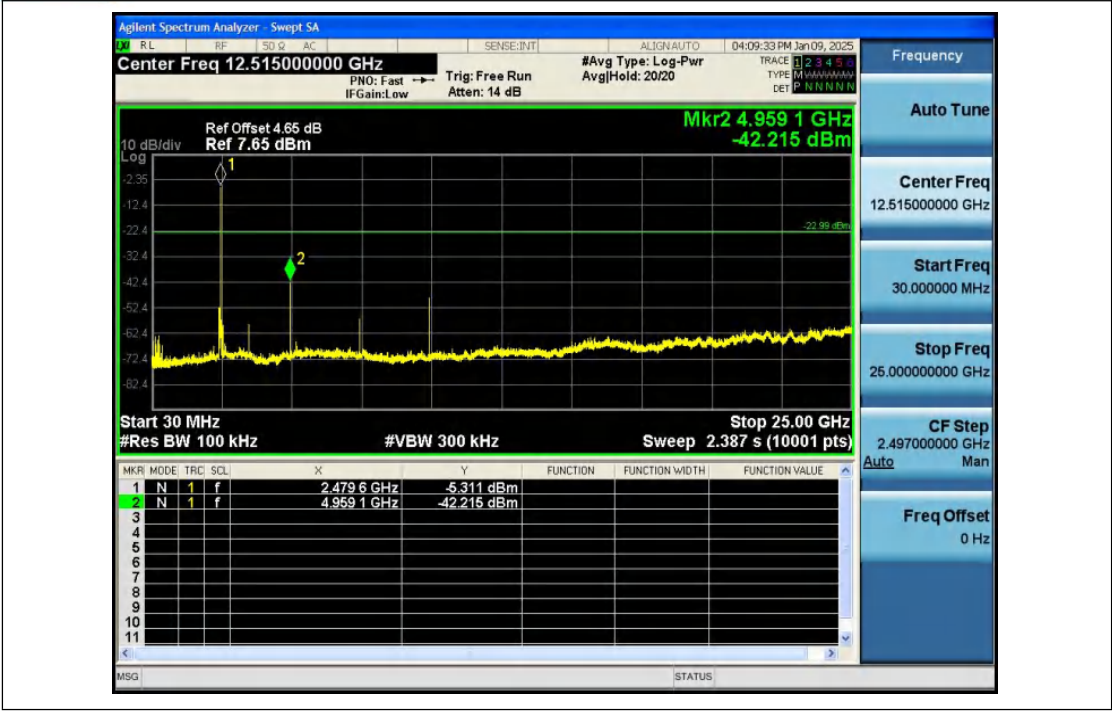


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00

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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	-5.200	-58.075	-25.200	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-2.920	-56.842	-22.920	Pass
NVNT	ANT1	1-DH5	2480.00	-3.432	-59.017	-23.432	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-3.614	-52.478	-23.614	Pass
NVNT	ANT1	2-DH5	2402.00	-5.946	-58.801	-25.946	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-3.253	-58.540	-23.253	Pass
NVNT	ANT1	2-DH5	2480.00	-3.628	-57.956	-23.628	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-3.957	-52.907	-23.957	Pass
NVNT	ANT1	3-DH5	2402.00	-5.968	-58.261	-25.968	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-3.312	-58.356	-23.312	Pass
NVNT	ANT1	3-DH5	2480.00	-2.993	-58.473	-22.993	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-3.743	-52.812	-23.743	Pass

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Tel:(86)0755-26066440 Email:service@anbotek.com

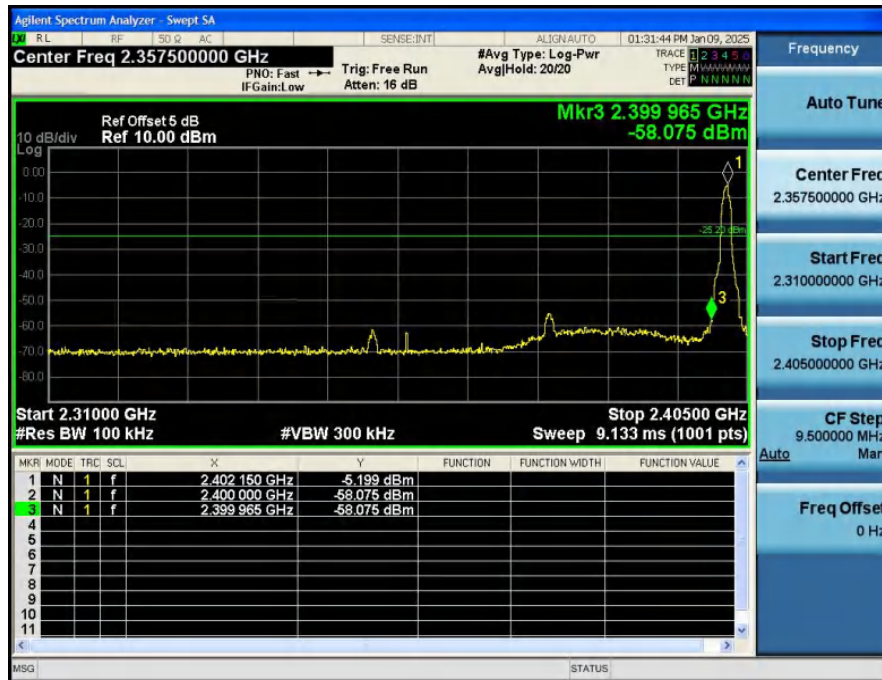


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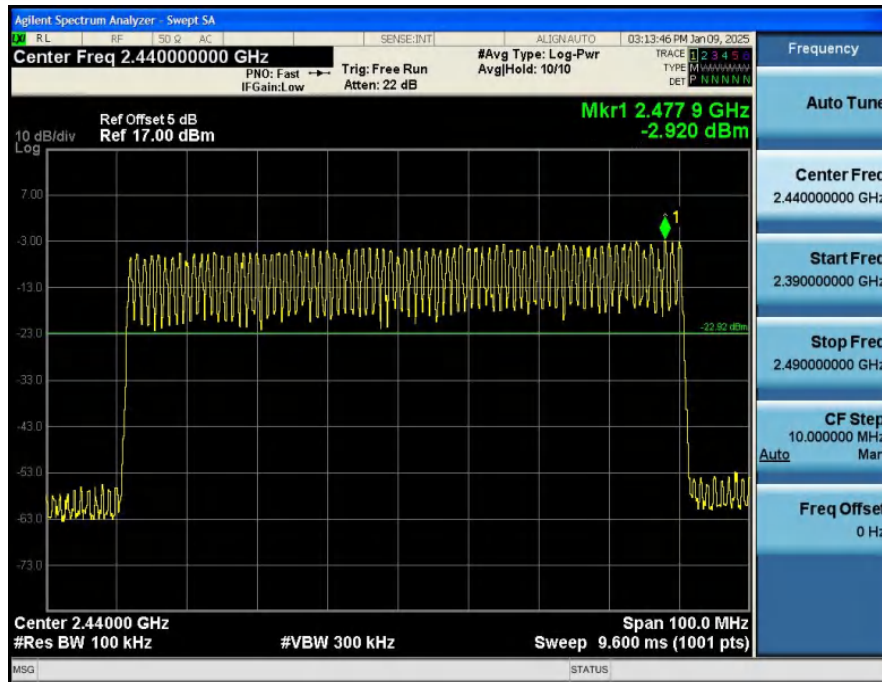
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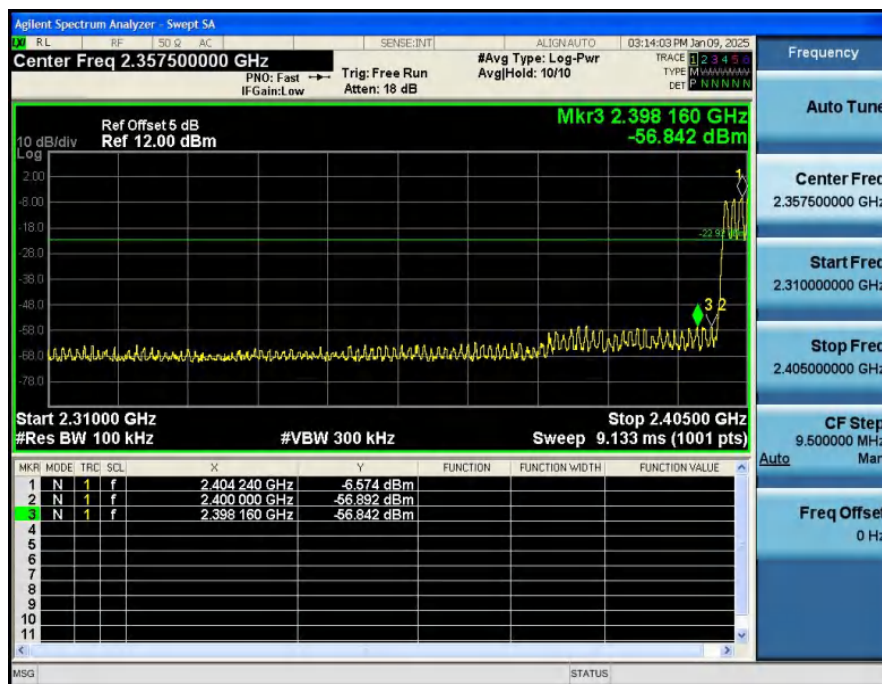
2_Bandedge_NVNT_ANT1_1-DH5_2402_00



1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



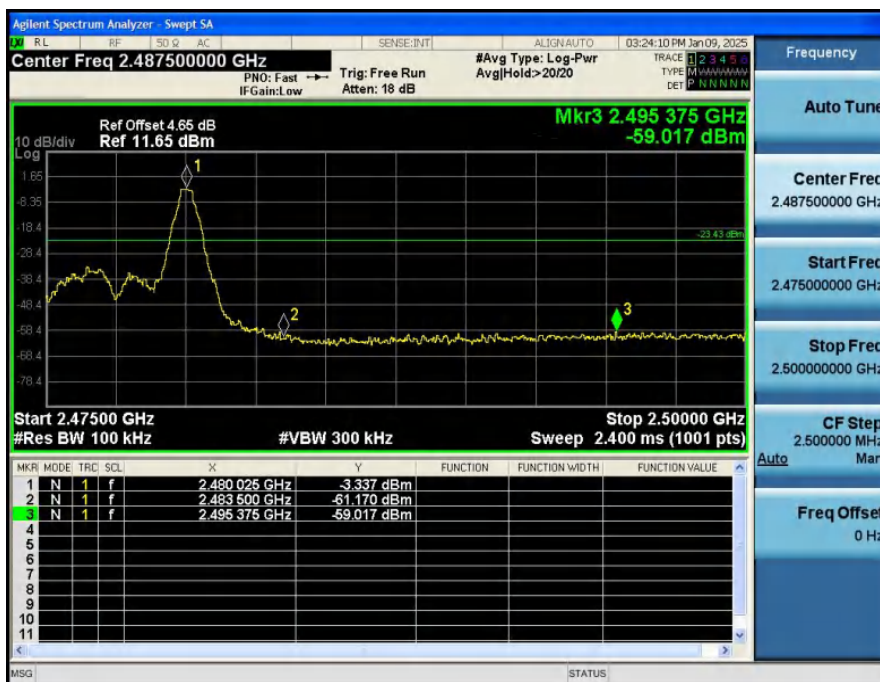
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



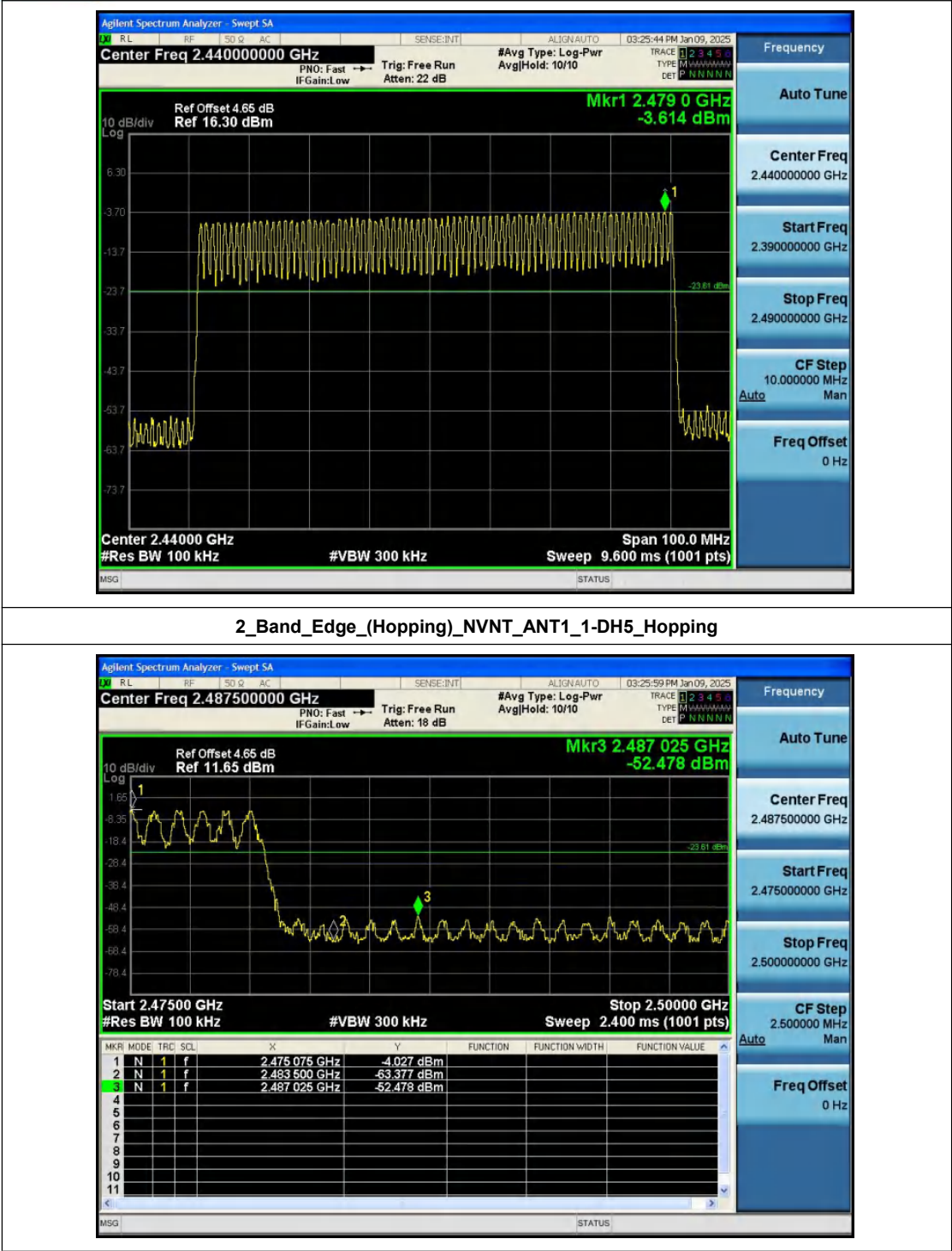
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



2_Bandedge_NVNT_ANT1_1-DH5_2480_00

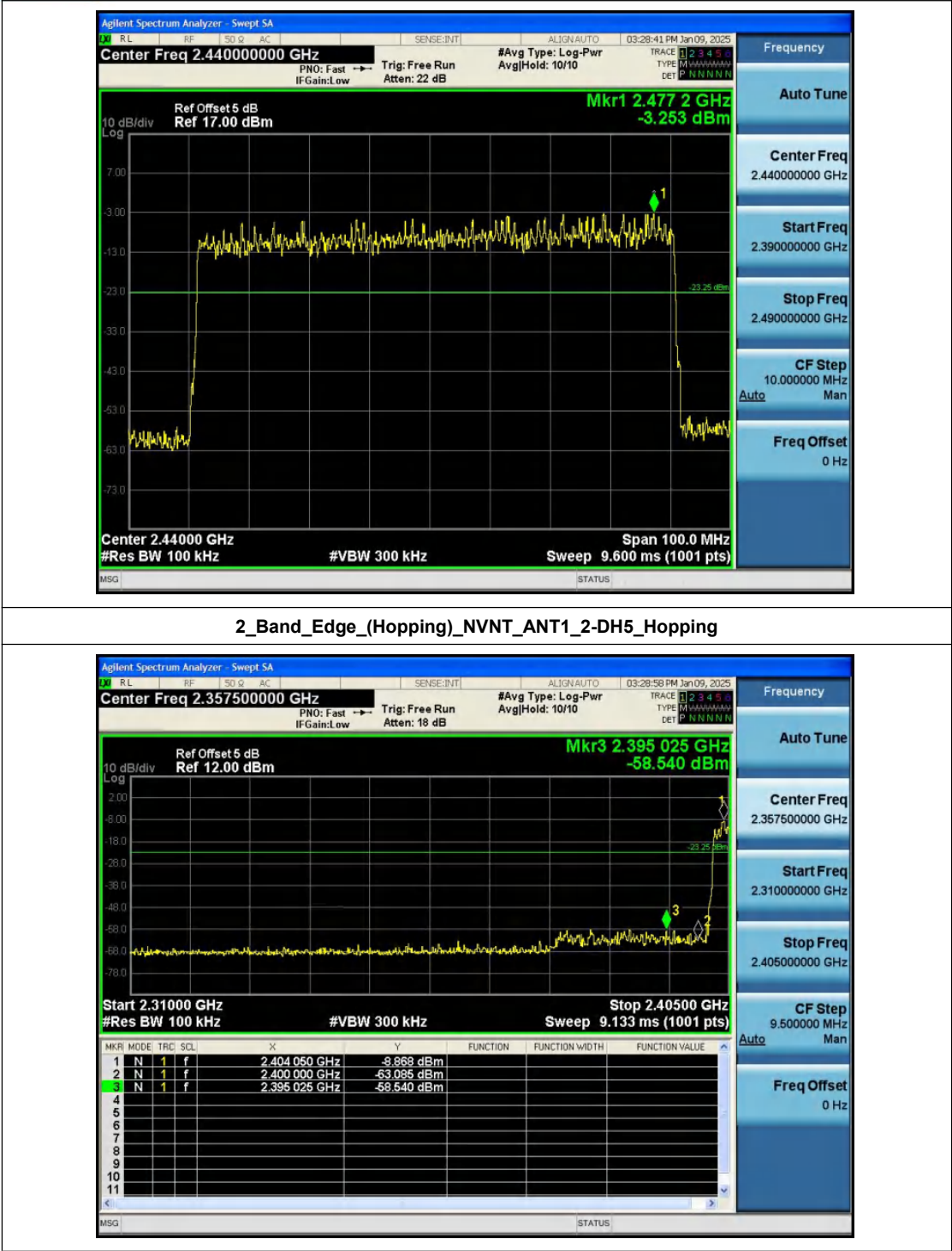


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

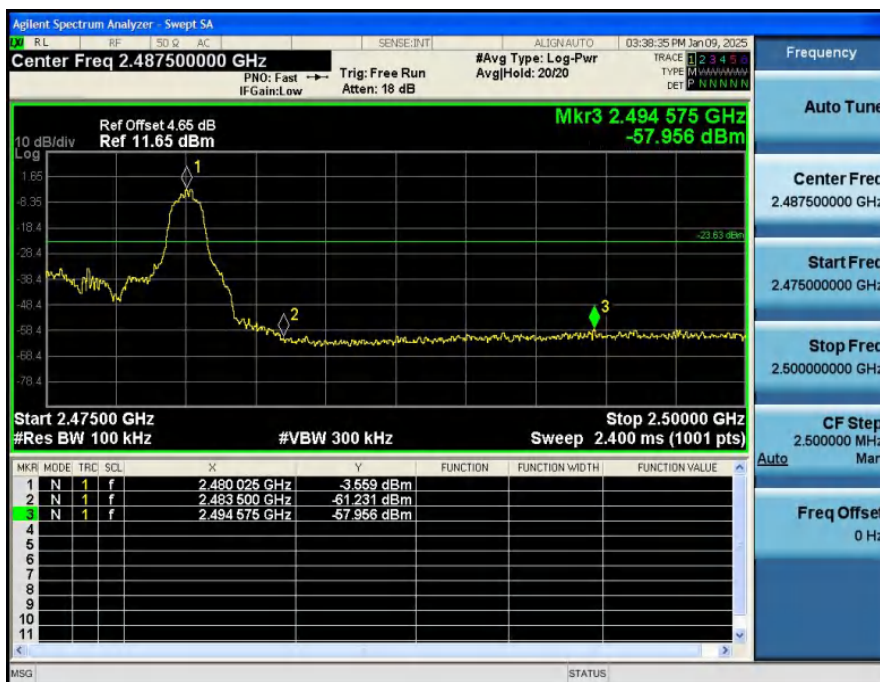




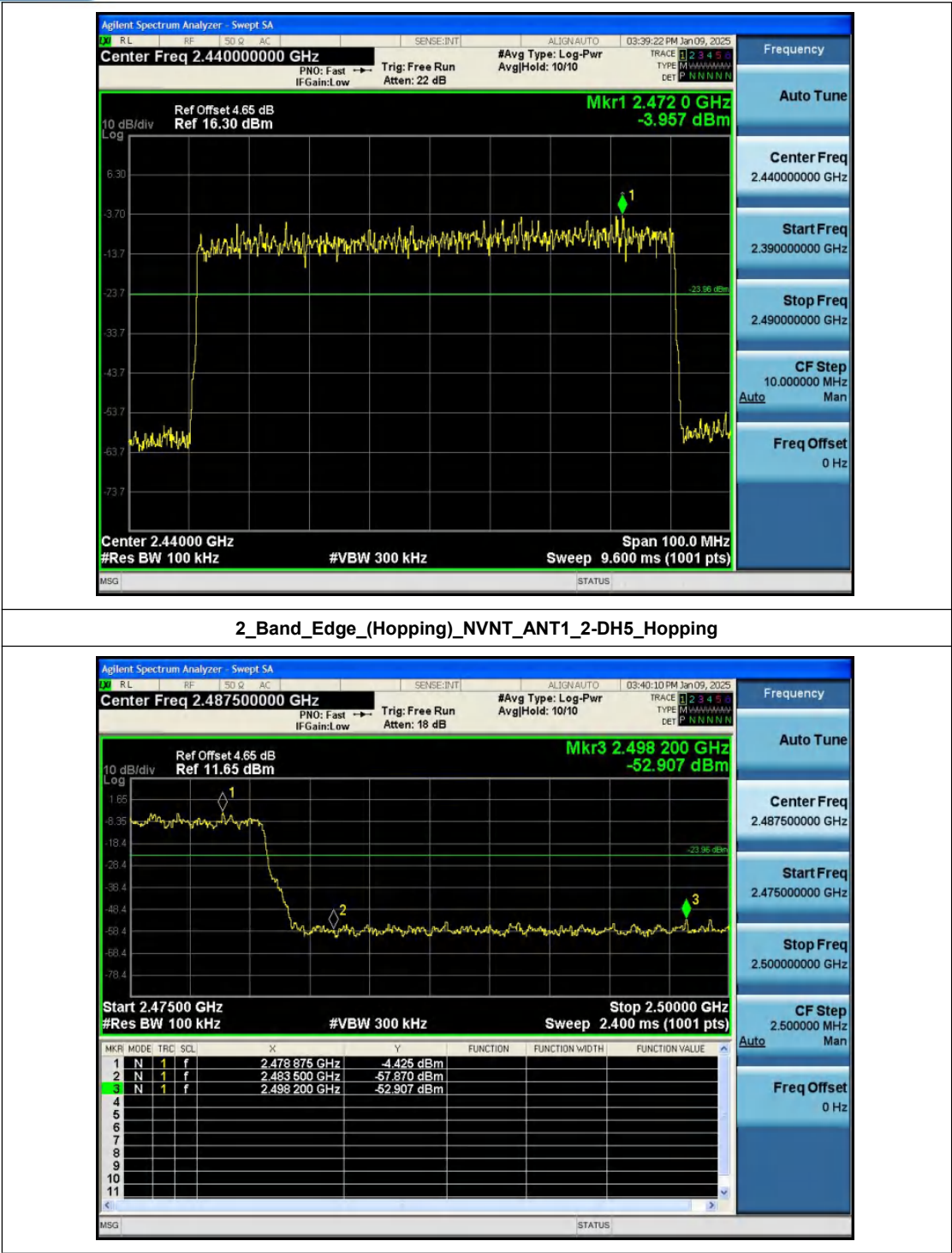
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



2_Bandedge_NVNT_ANT1_2-DH5_2480_00

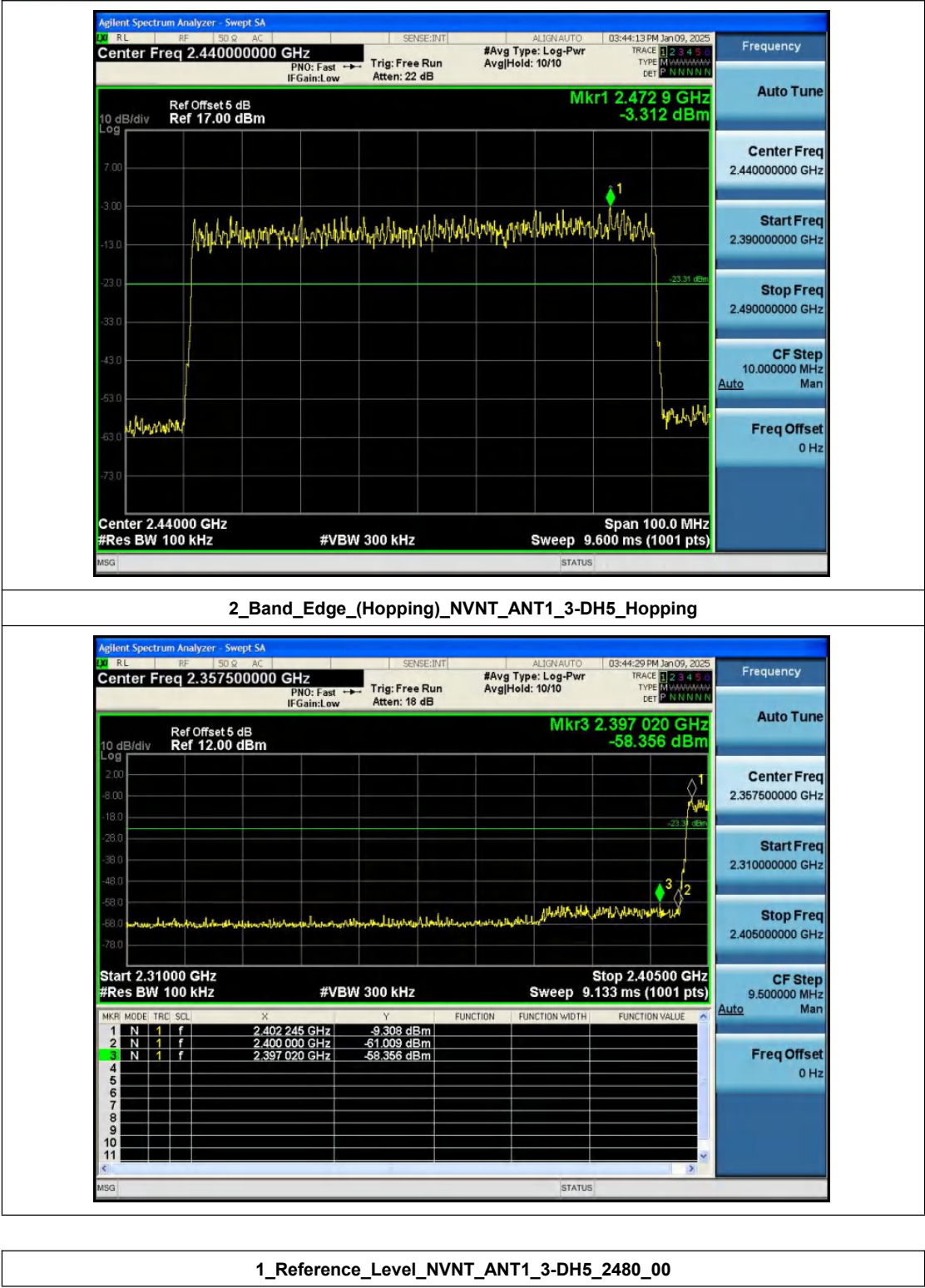


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



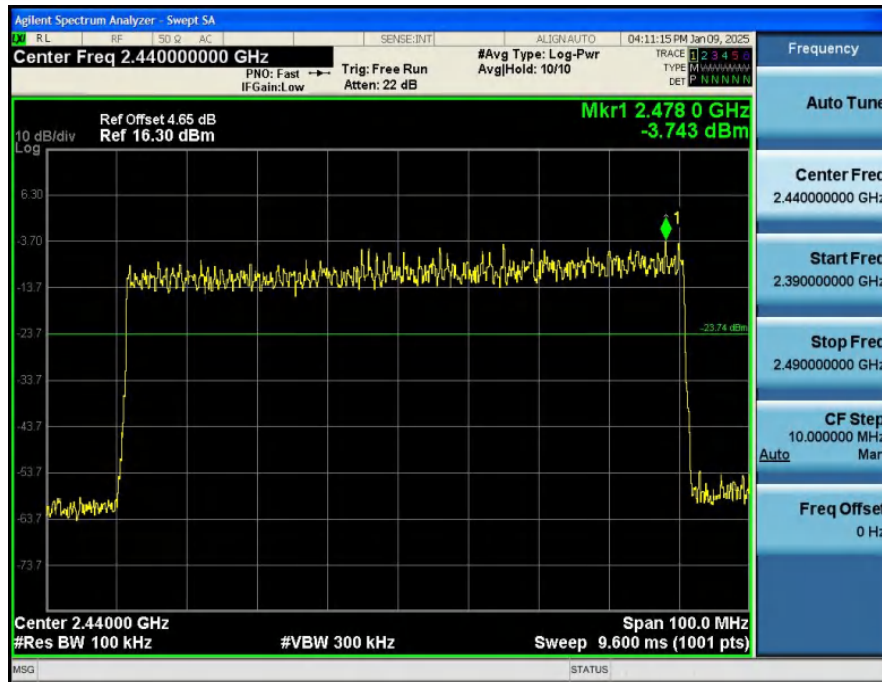
1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



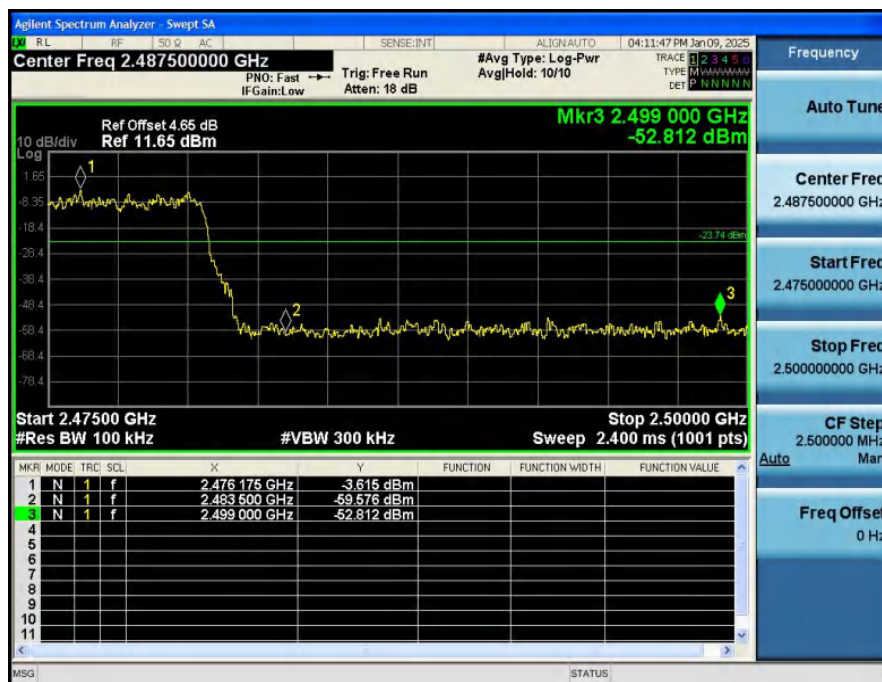




1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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Tel: (86) 0755-26066440 Email: service@anbotech.com

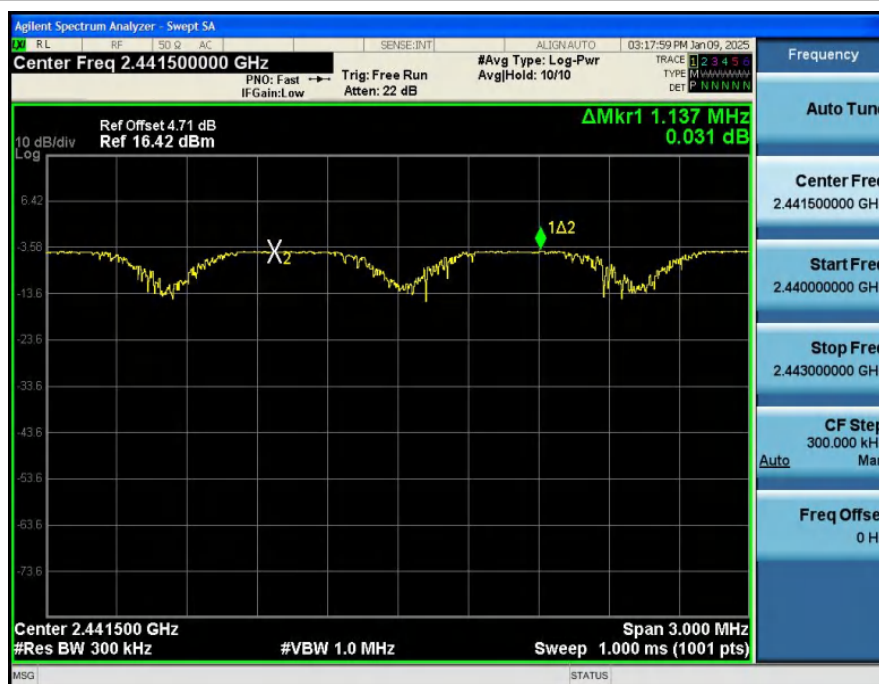


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Appendix G: Carrier Frequencies Separation (Hopping)

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	2440.972	2442.109	1.14	0.706	Pass
NVNT	ANT1	2-DH5	2441.00	2441.107	2442.154	1.05	0.901	Pass
NVNT	ANT1	3-DH5	2441.00	2441.008	2442.154	1.15	0.875	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



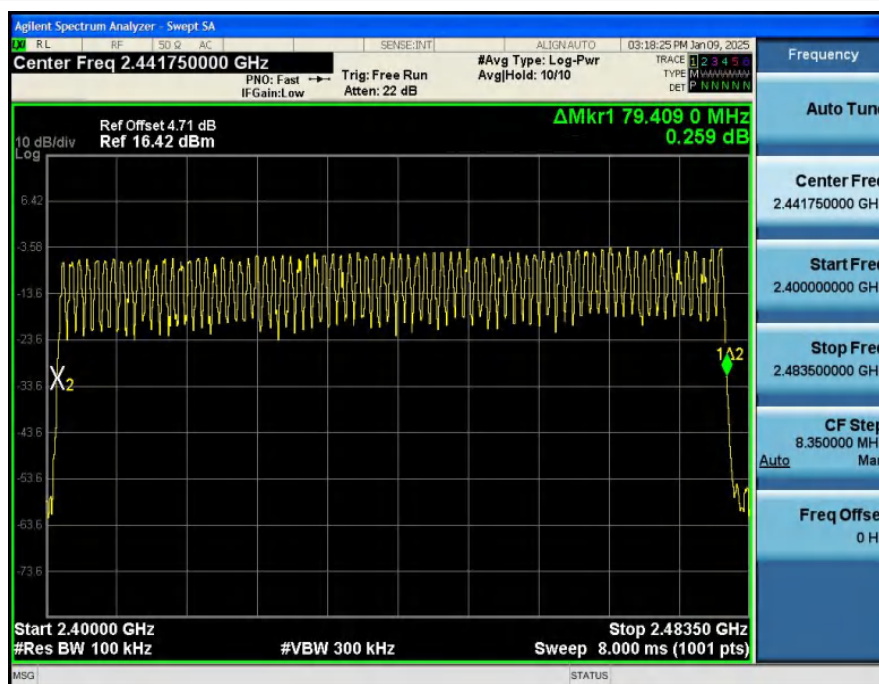
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



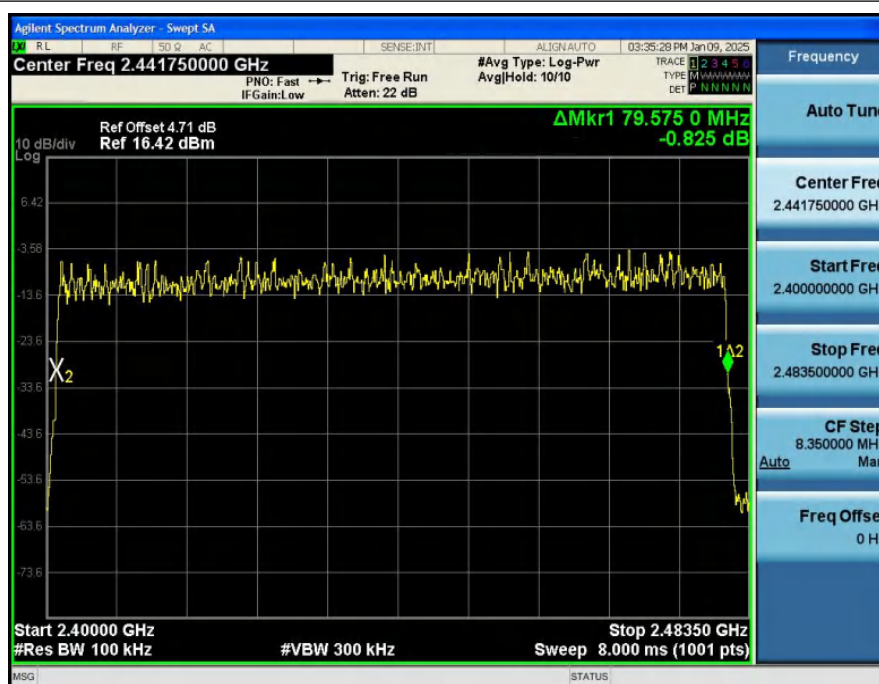
Appendix H: Number of Hopping Channel (Hopping)

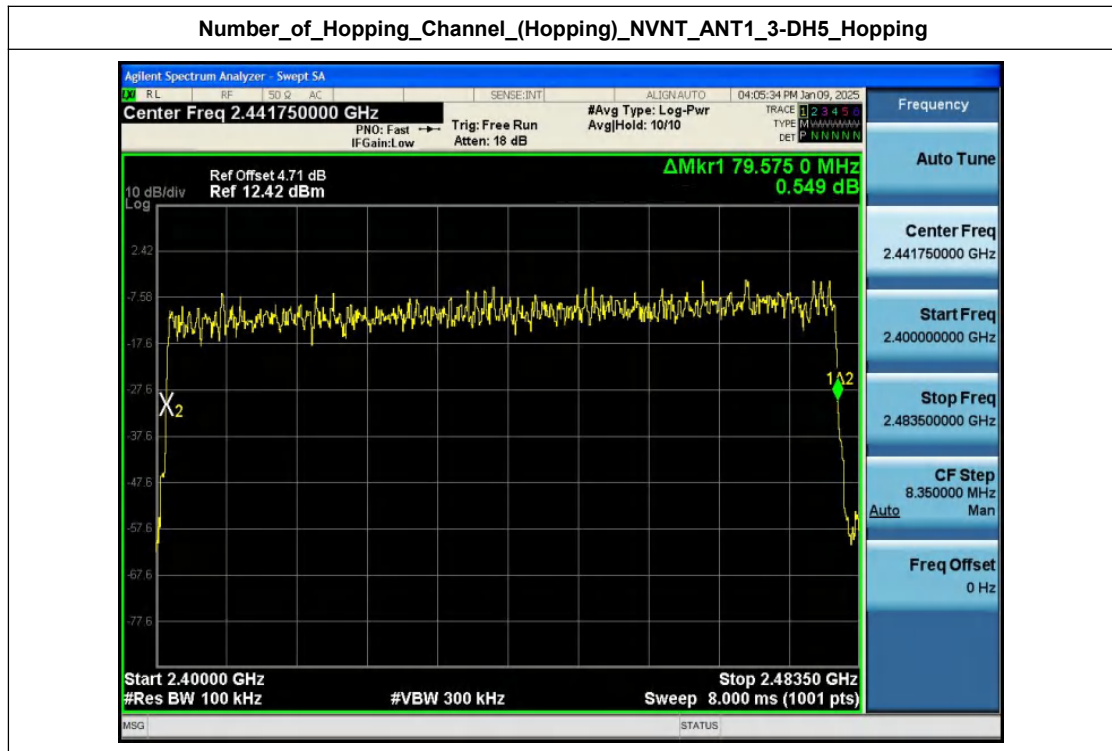
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping





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Appendix I: Dwell Time (Hopping)

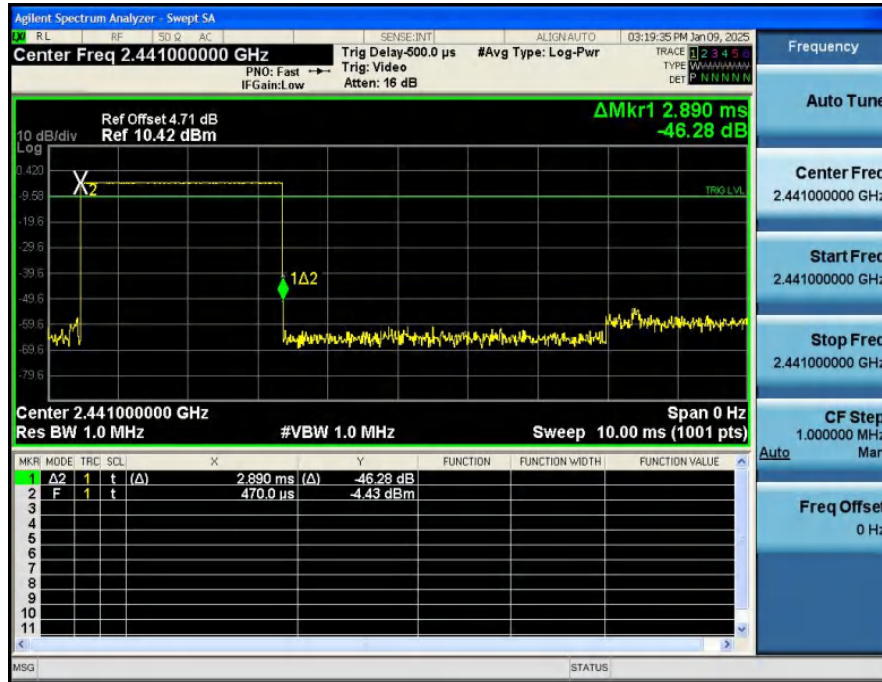
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.890	94.00	271.660	0.40	Pass
NVNT	ANT1	2-DH5	2.890	103.00	297.670	0.40	Pass
NVNT	ANT1	3-DH5	2.900	122.00	353.800	0.40	Pass
NVNT	ANT1	1-DH1	0.390	318.00	124.020	0.40	Pass
NVNT	ANT1	1-DH3	1.640	171.00	280.440	0.40	Pass
NVNT	ANT1	2-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	2-DH3	1.650	163.00	268.950	0.40	Pass
NVNT	ANT1	3-DH1	0.390	318.00	124.020	0.40	Pass
NVNT	ANT1	3-DH3	1.650	162.00	267.300	0.40	Pass

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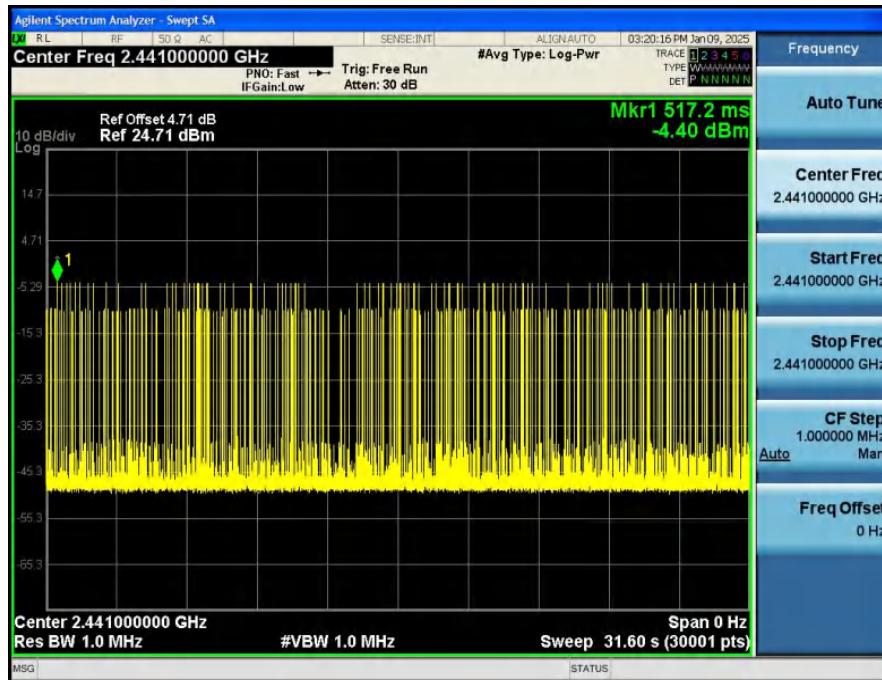
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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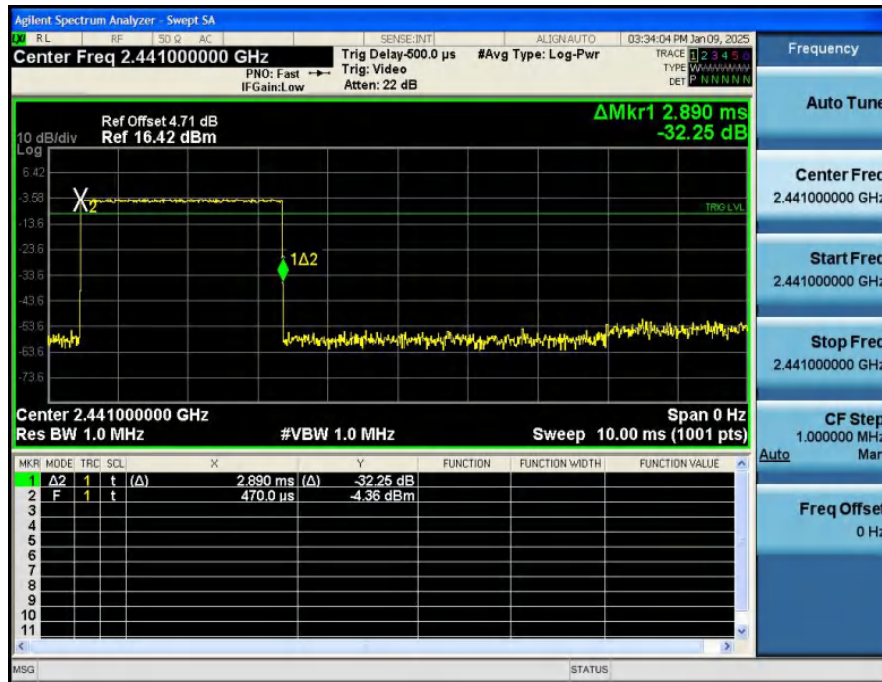
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



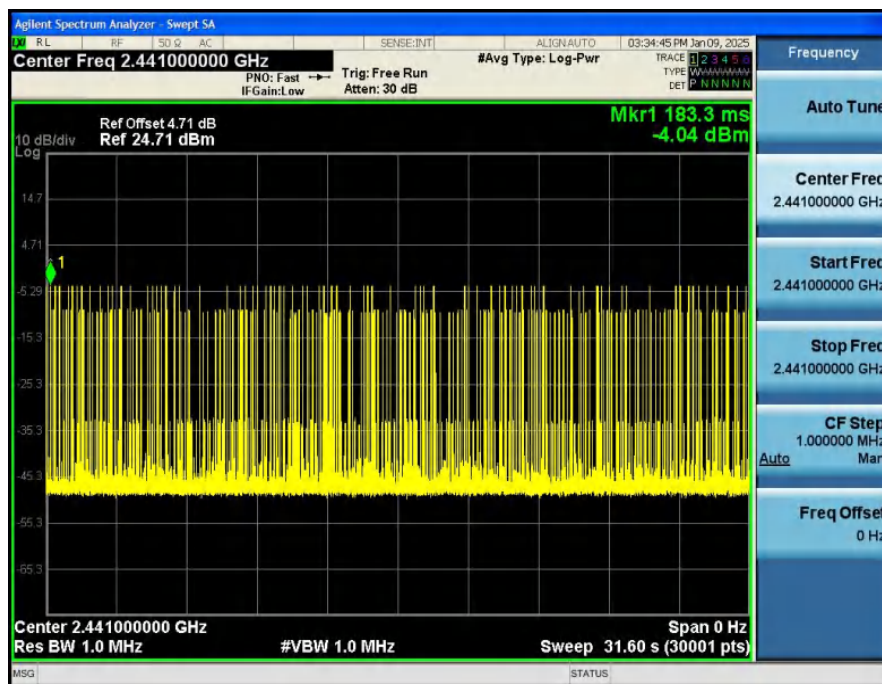
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



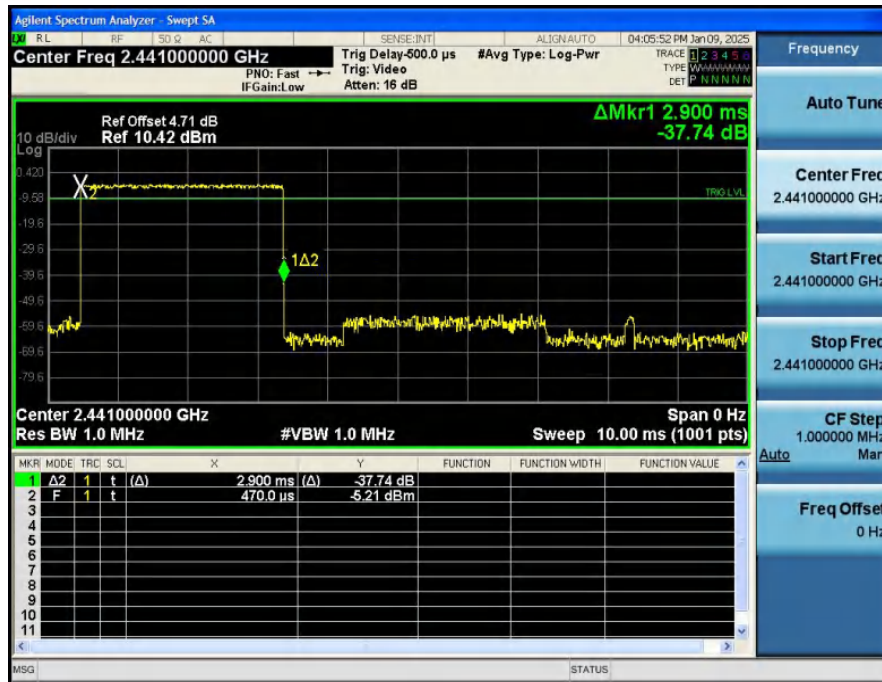
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



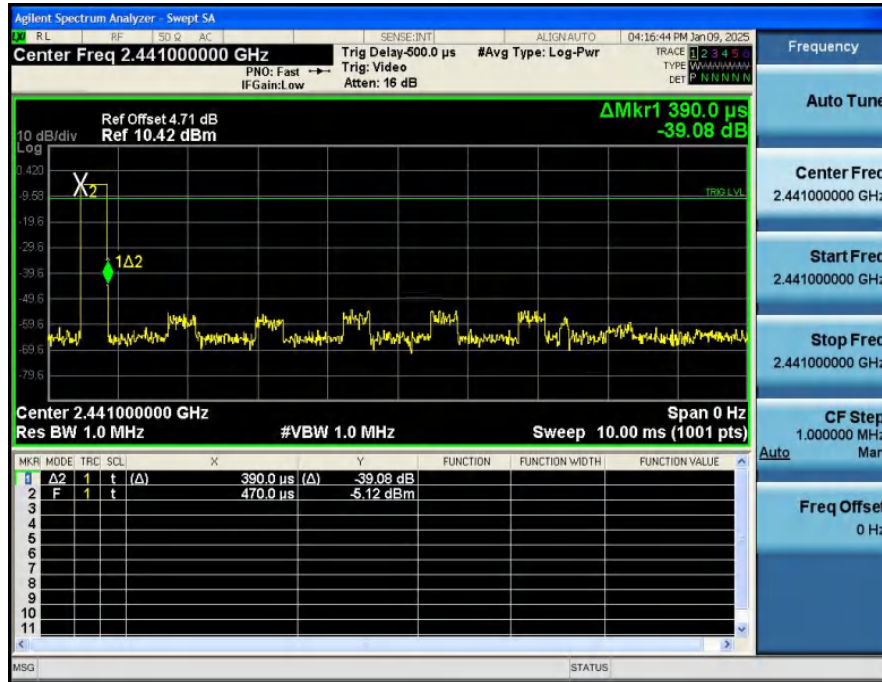
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



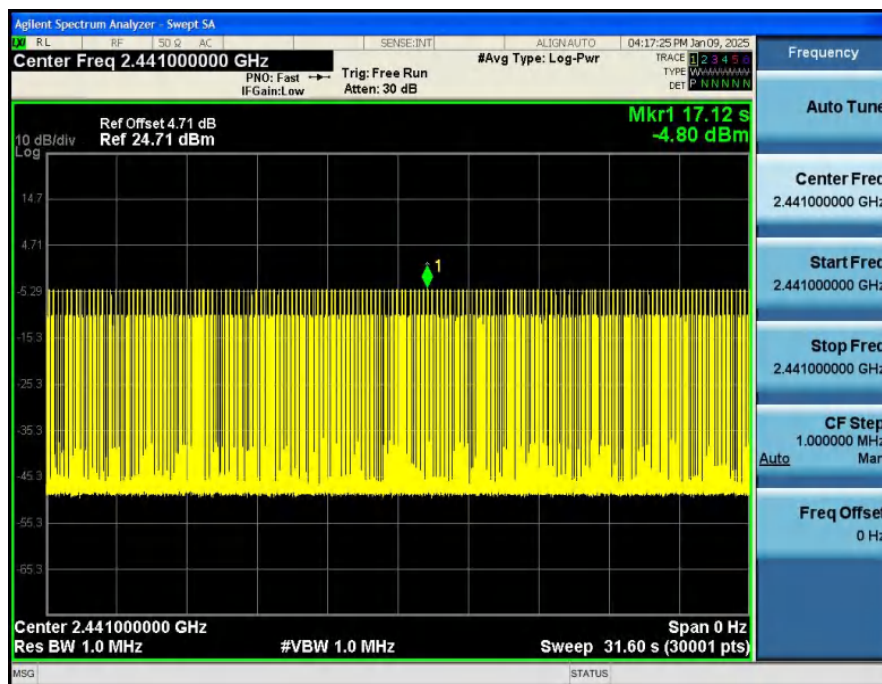
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time



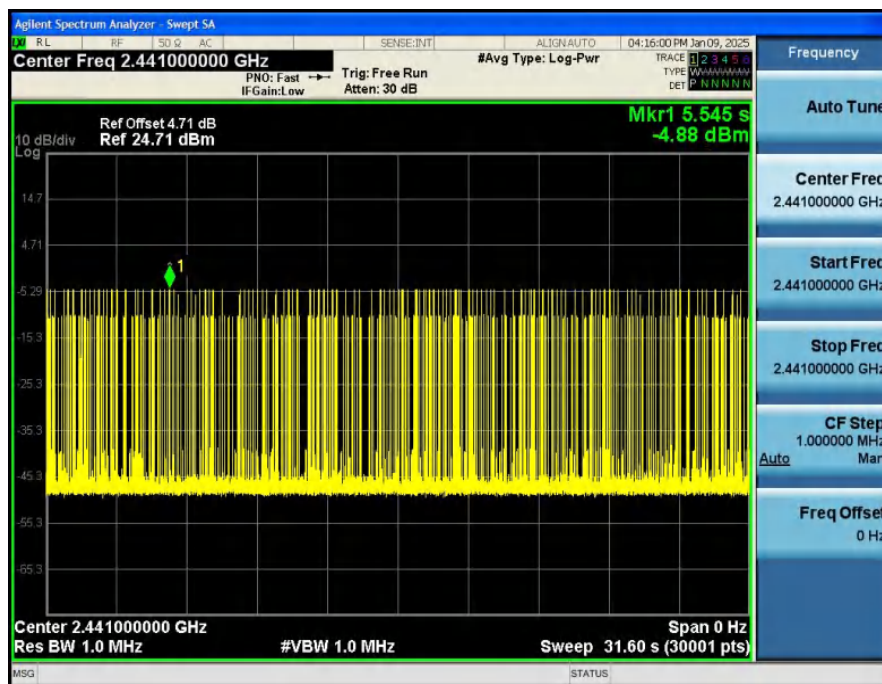
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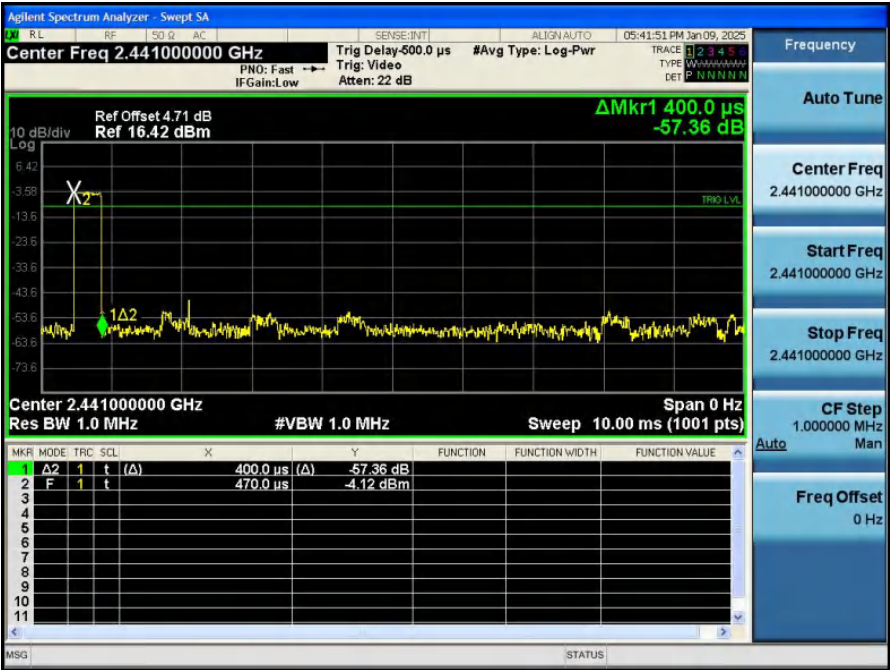
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time



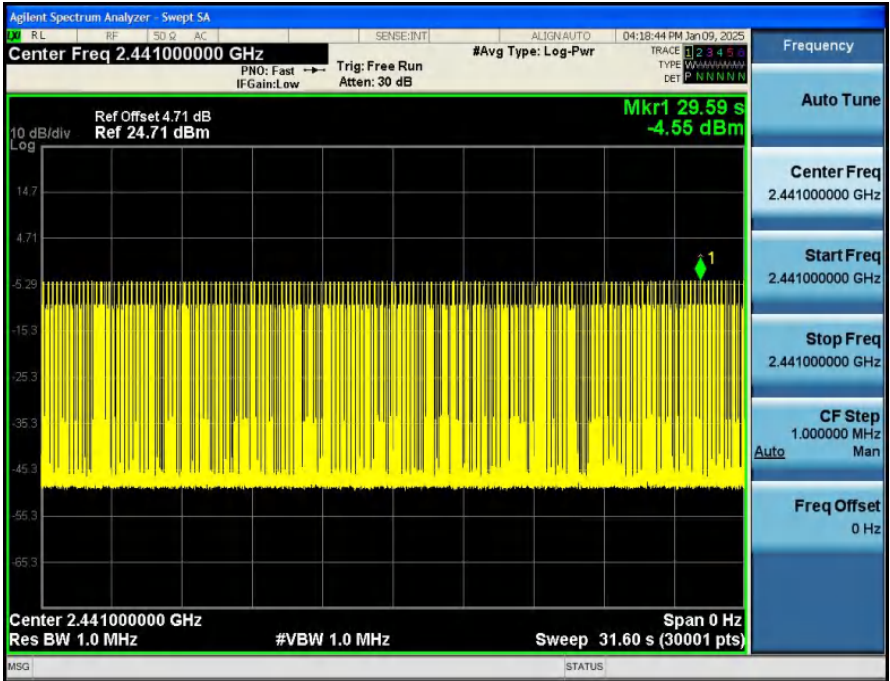
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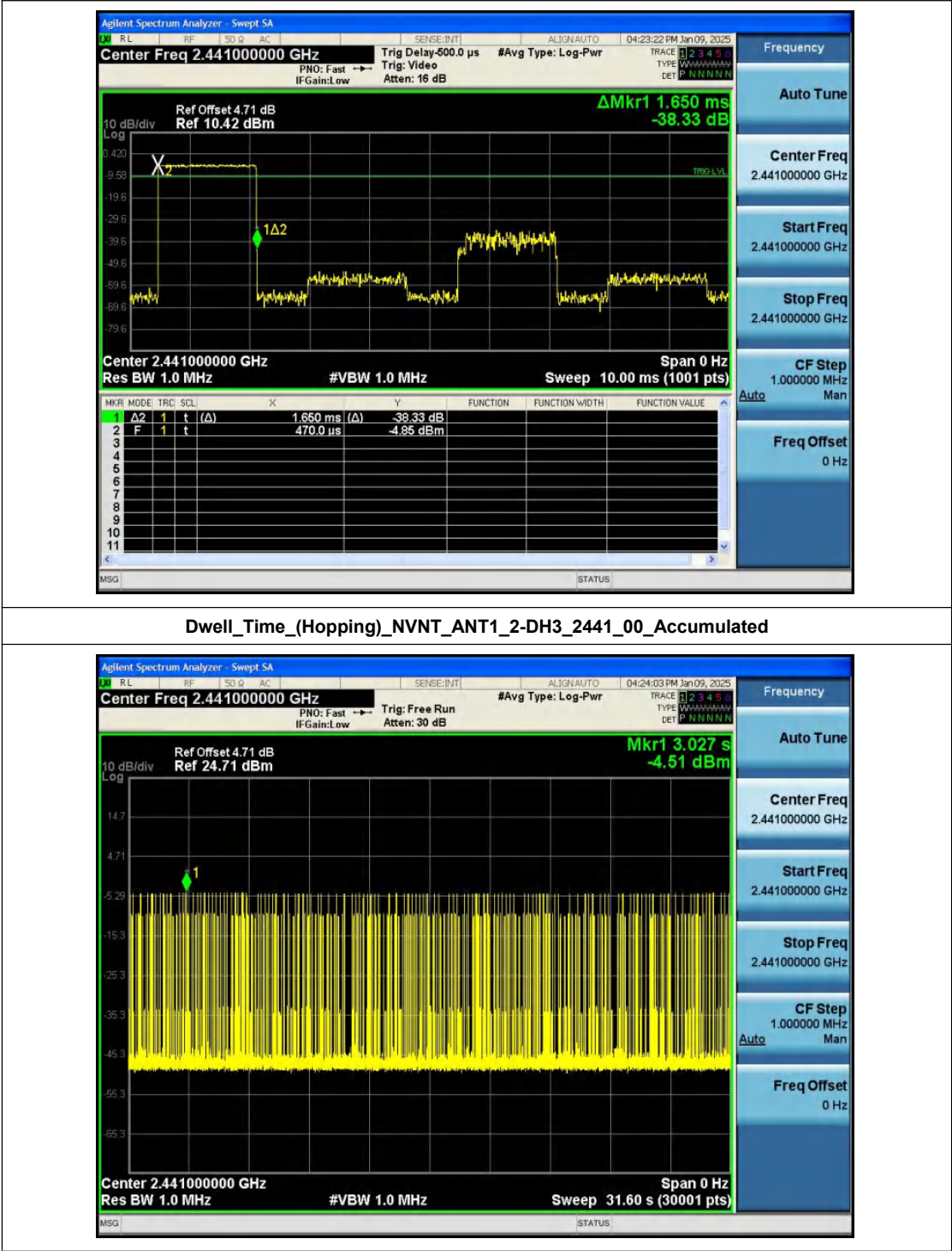
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time

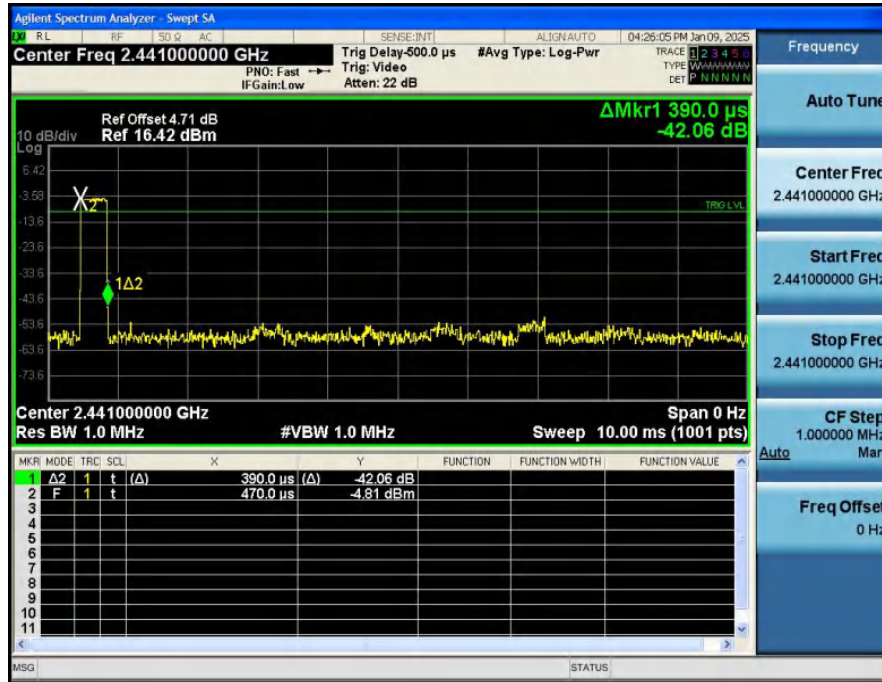


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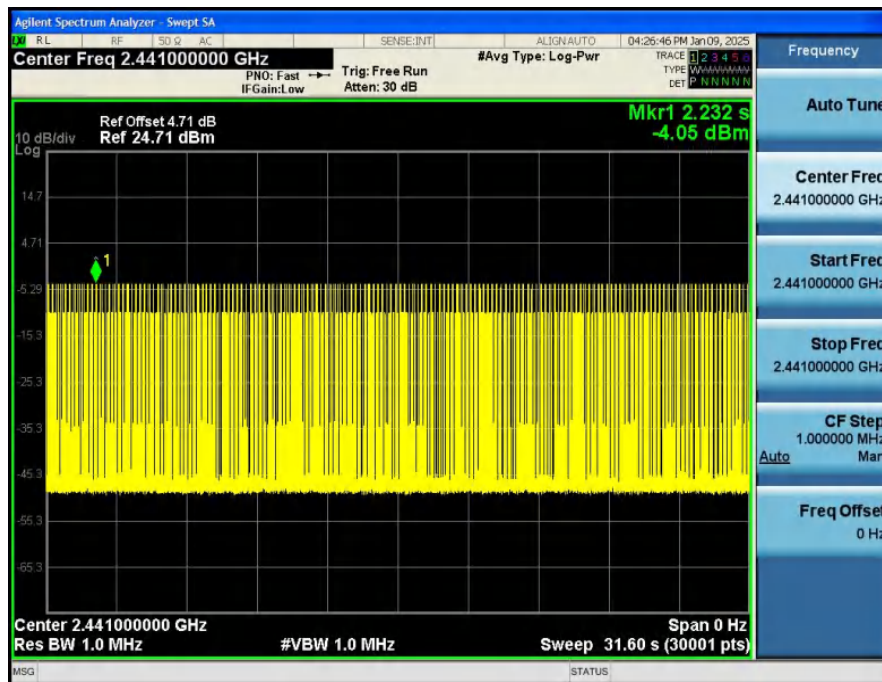


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time

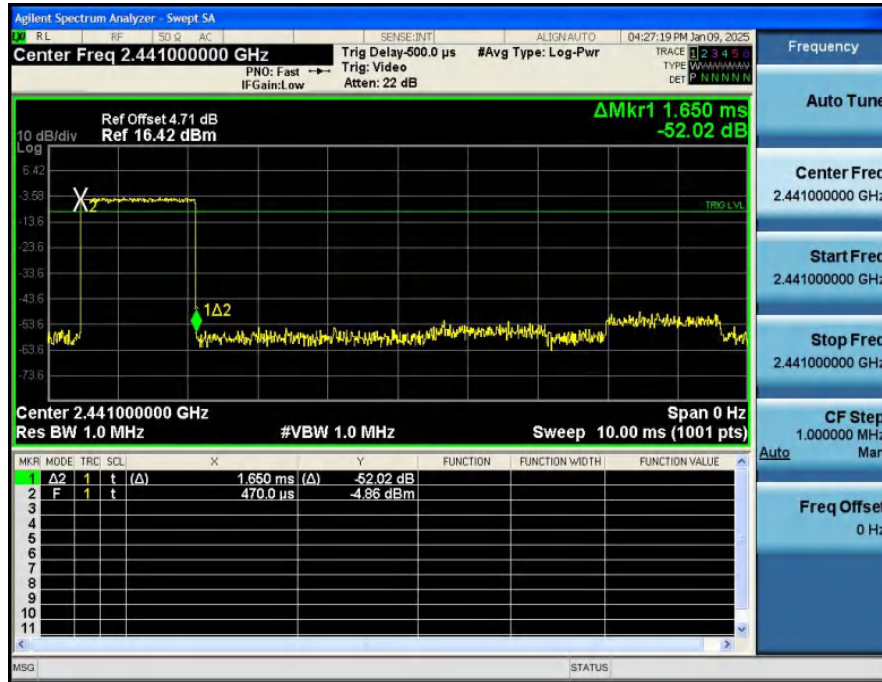




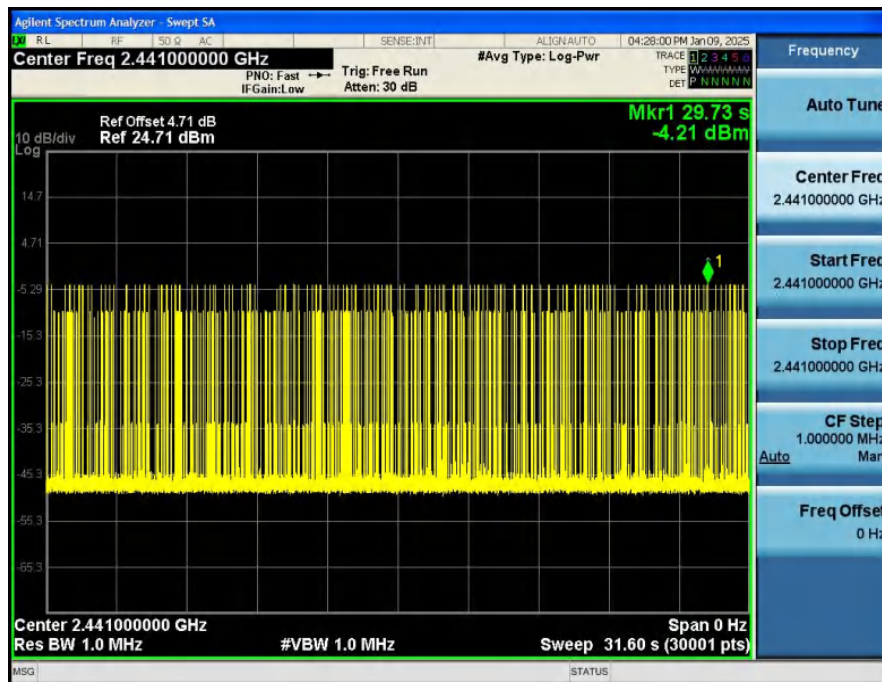
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



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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