

Appendix Test Data

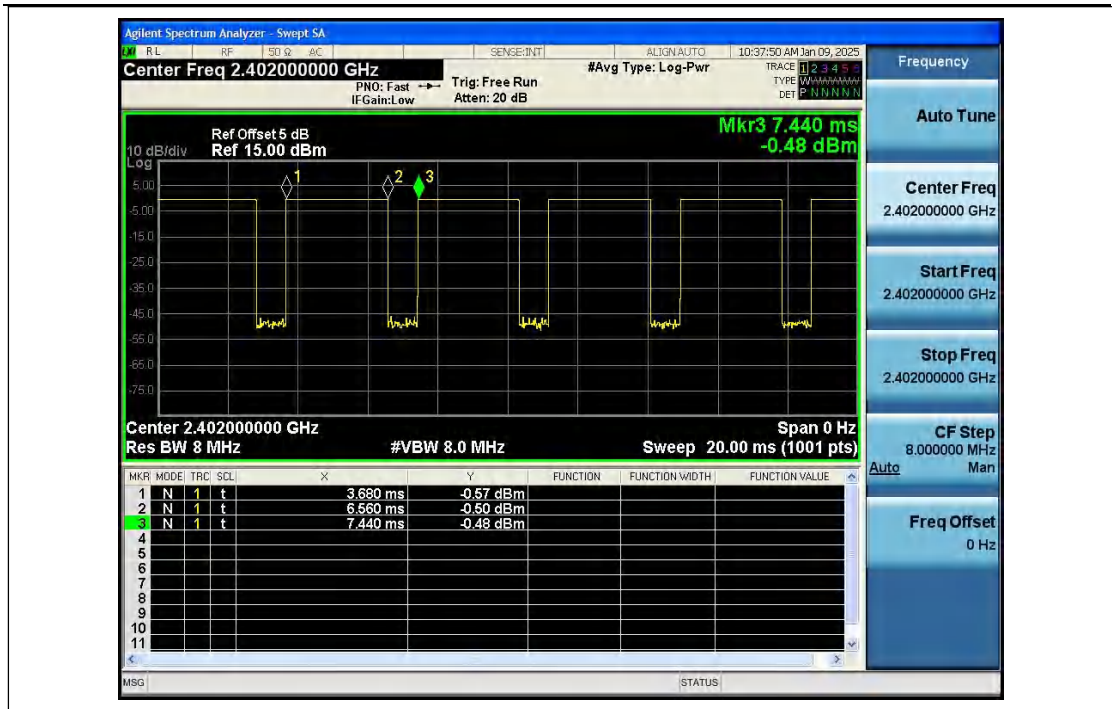
Report No.:	1812C50093312501	Test Sample No.:	1-2-2
Start Test Date:	2025.1.3	Finish Test Date:	2025.1.9
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: Duty Cycle

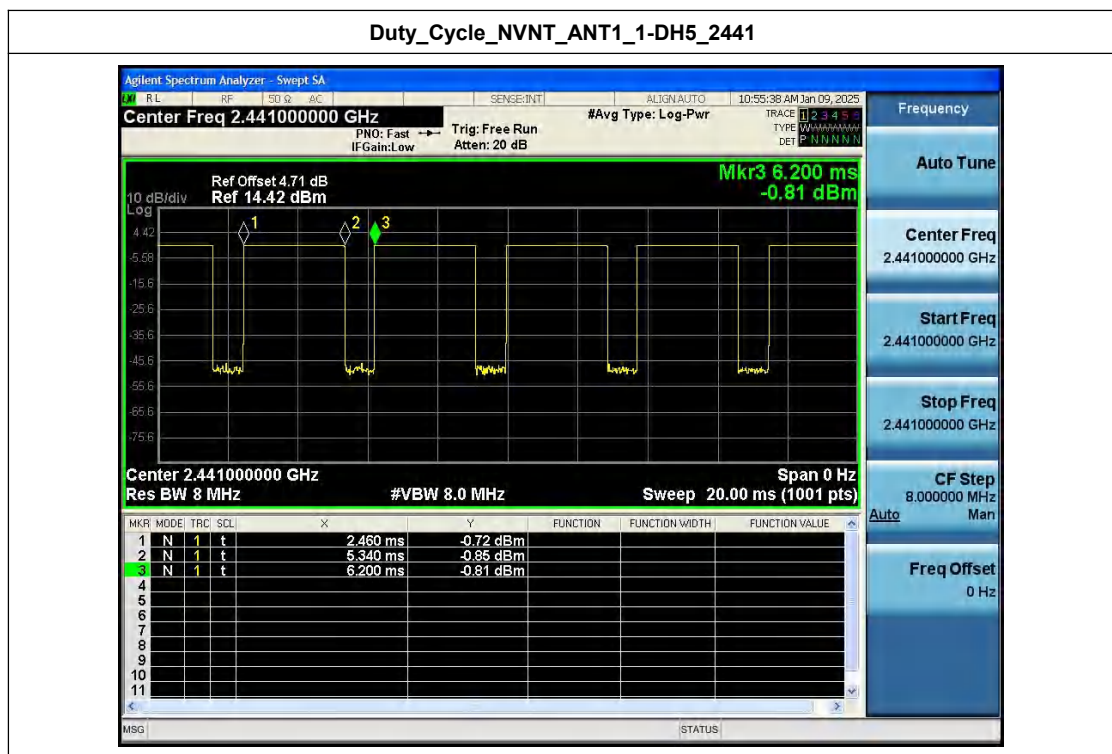
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.13	1.13
NVNT	ANT1	1-DH5	2441.00	77.54	1.10
NVNT	ANT1	1-DH5	2480.00	77.54	1.10
NVNT	ANT1	2-DH5	2402.00	77.54	1.10
NVNT	ANT1	2-DH5	2441.00	77.13	1.13
NVNT	ANT1	2-DH5	2480.00	77.01	1.13
NVNT	ANT1	3-DH5	2402.00	77.54	1.10
NVNT	ANT1	3-DH5	2441.00	77.66	1.10
NVNT	ANT1	3-DH5	2480.00	77.66	1.10

Duty_Cycle_NVNT_ANT1_1-DH5_2402

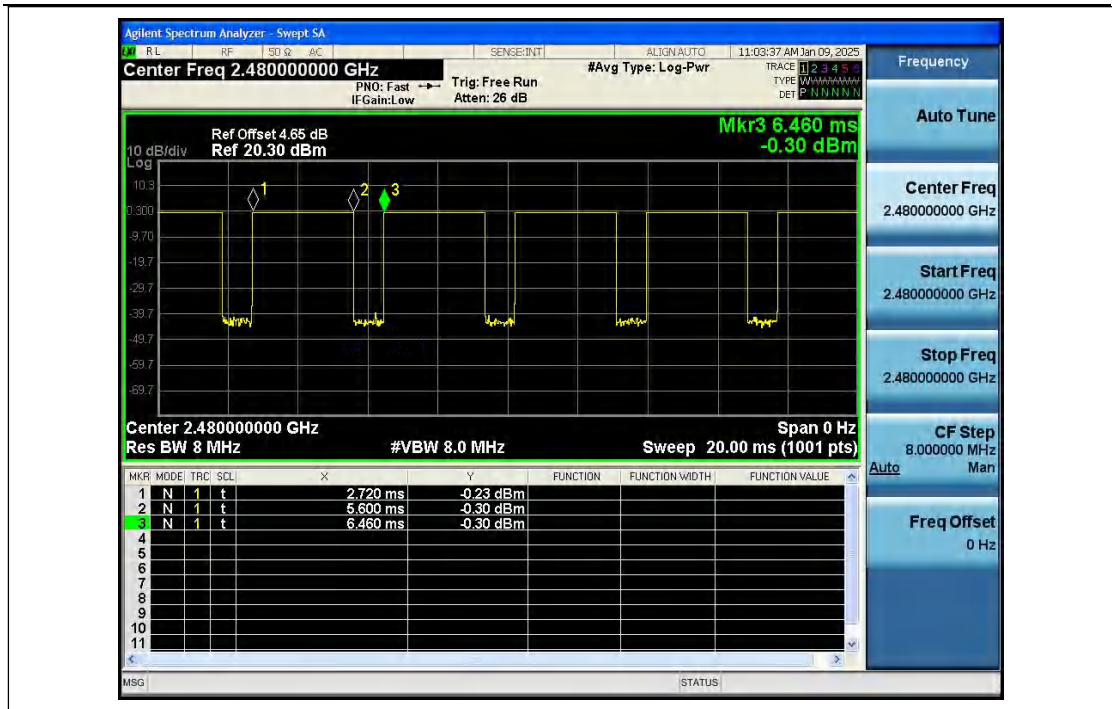




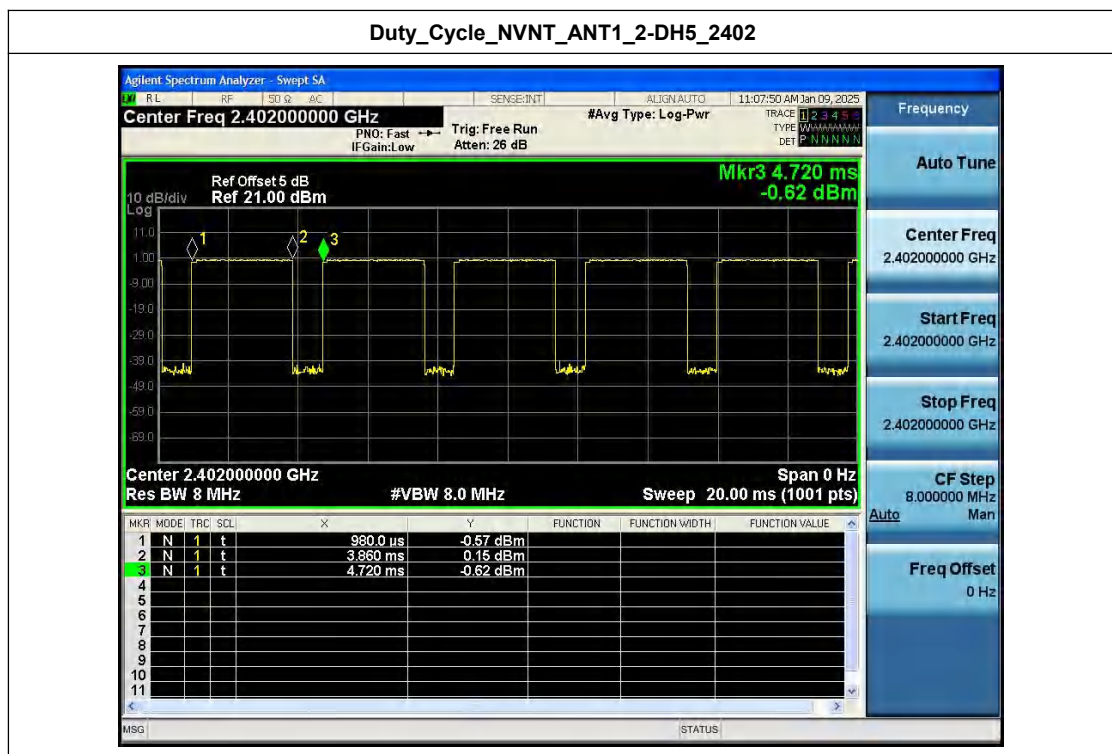
Duty_Cycle_NVNT_ANT1_1-DH5_2441



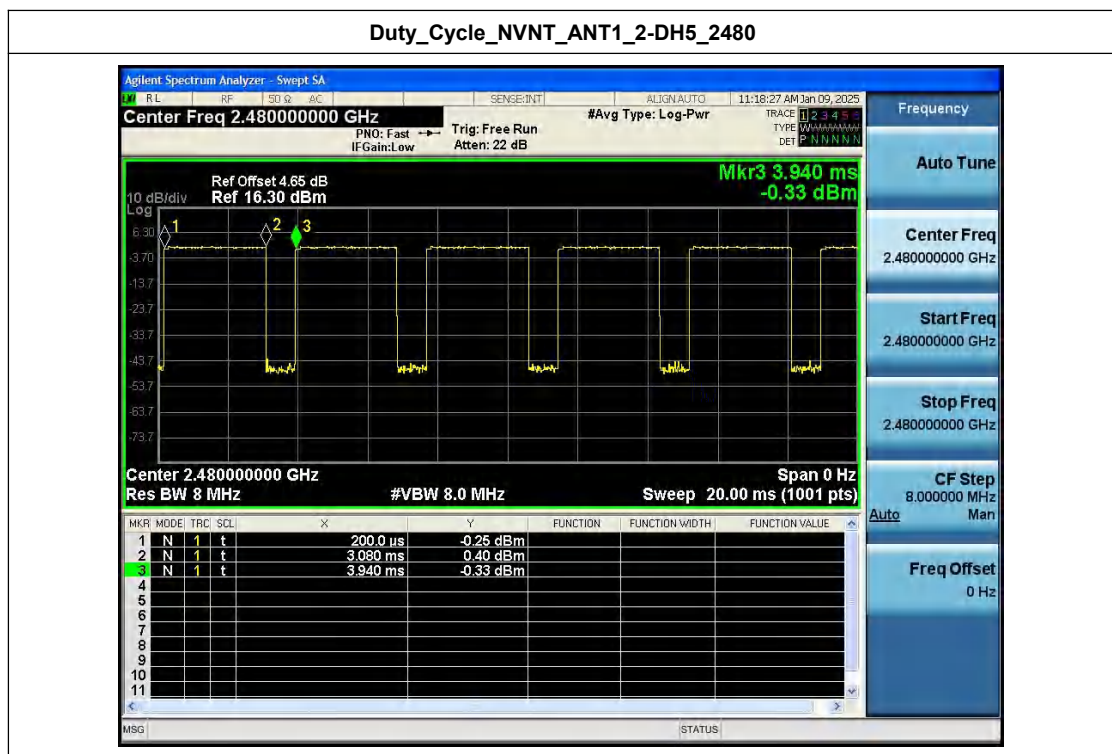
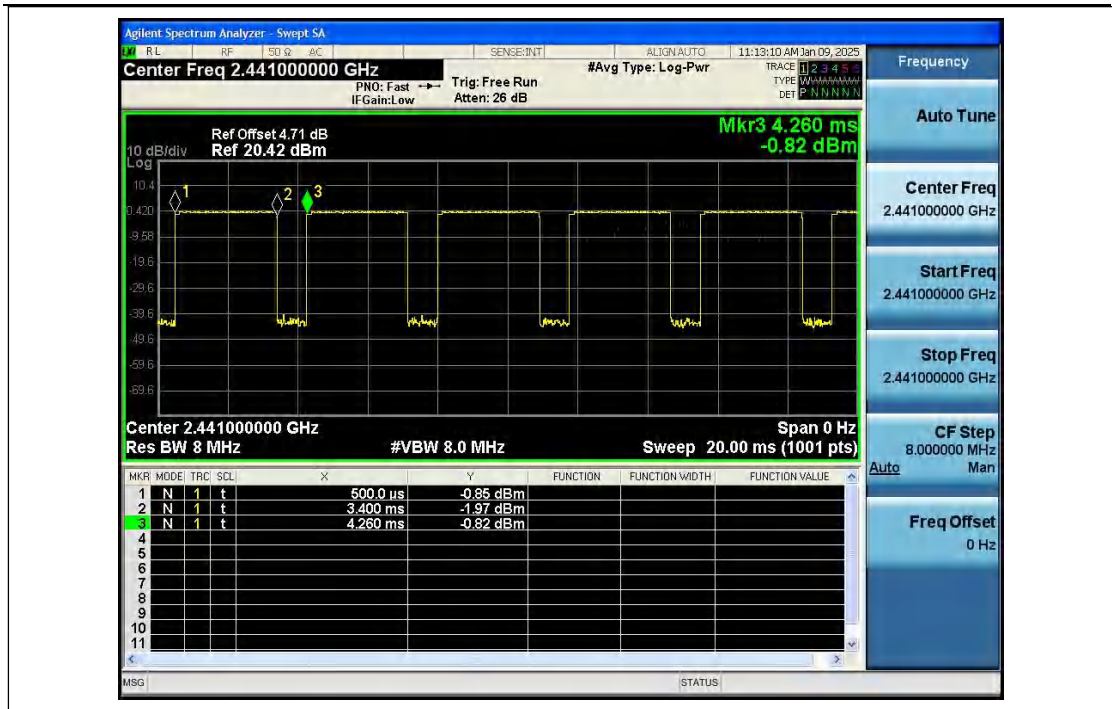
Duty_Cycle_NVNT_ANT1_1-DH5_2480

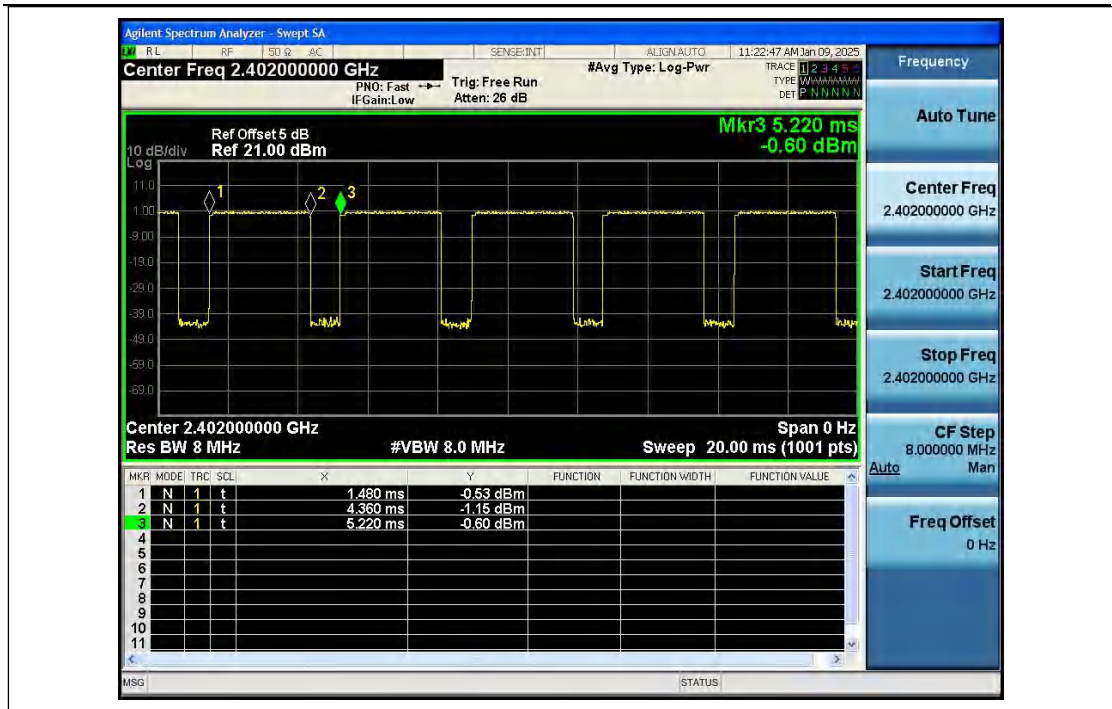


Duty_Cycle_NVNT_ANT1_2-DH5_2402

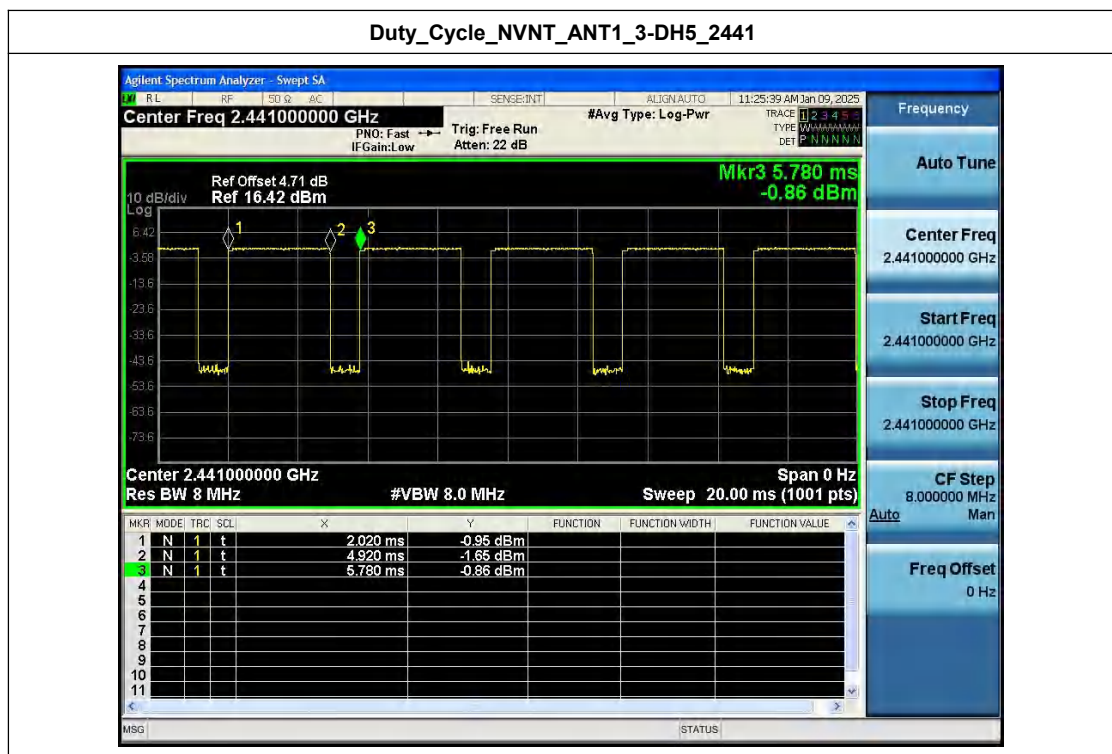


Duty_Cycle_NVNT_ANT1_2-DH5_2441

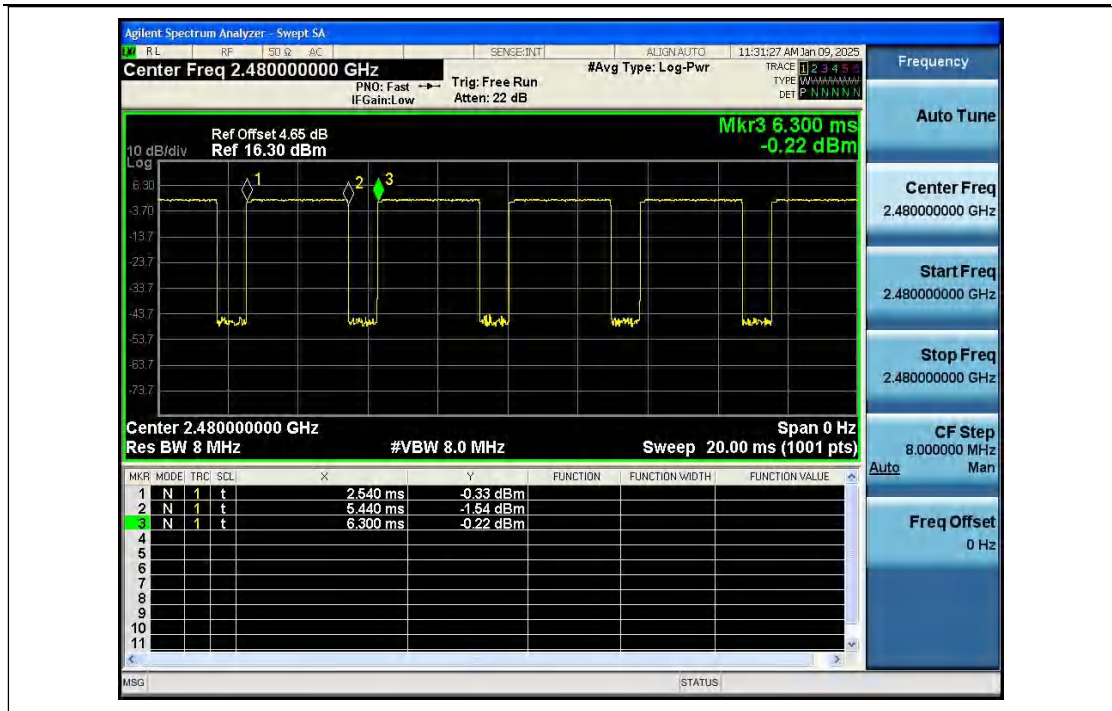




Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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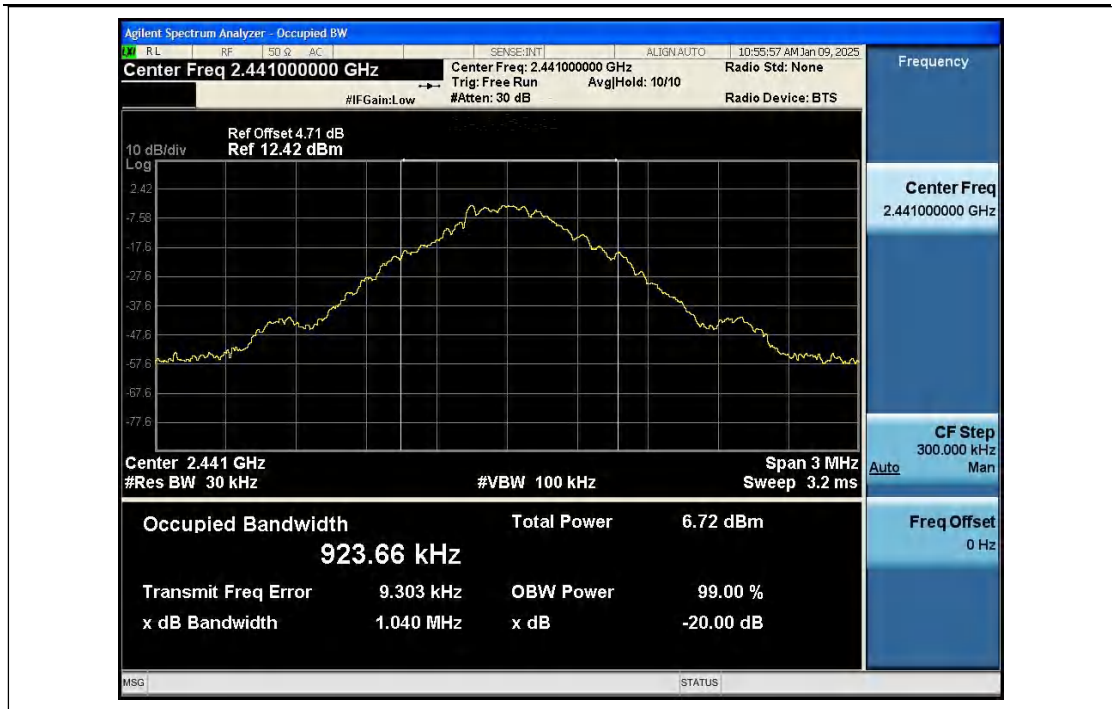
Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	1.031	Yes
NVNT	ANT1	1-DH5	2441.00	1.040	Yes
NVNT	ANT1	1-DH5	2480.00	1.041	Yes
NVNT	ANT1	2-DH5	2402.00	1.318	Yes
NVNT	ANT1	2-DH5	2441.00	1.332	Yes
NVNT	ANT1	2-DH5	2480.00	1.332	Yes
NVNT	ANT1	3-DH5	2402.00	1.306	Yes
NVNT	ANT1	3-DH5	2441.00	1.304	Yes
NVNT	ANT1	3-DH5	2480.00	1.308	Yes

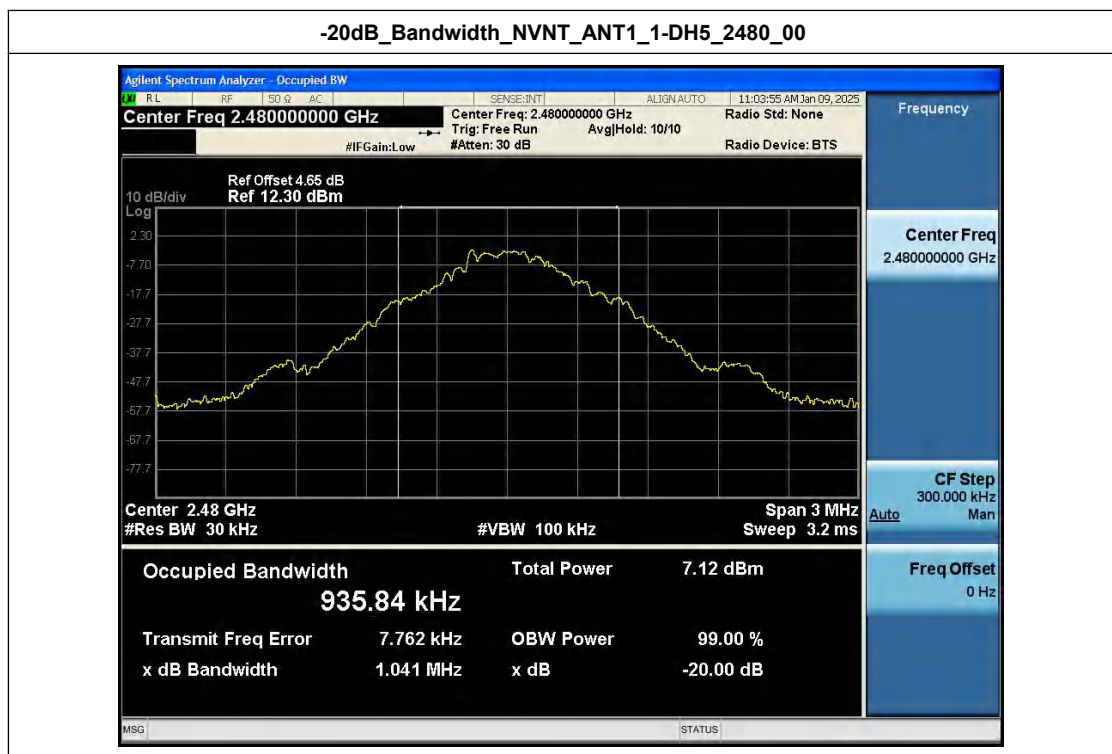
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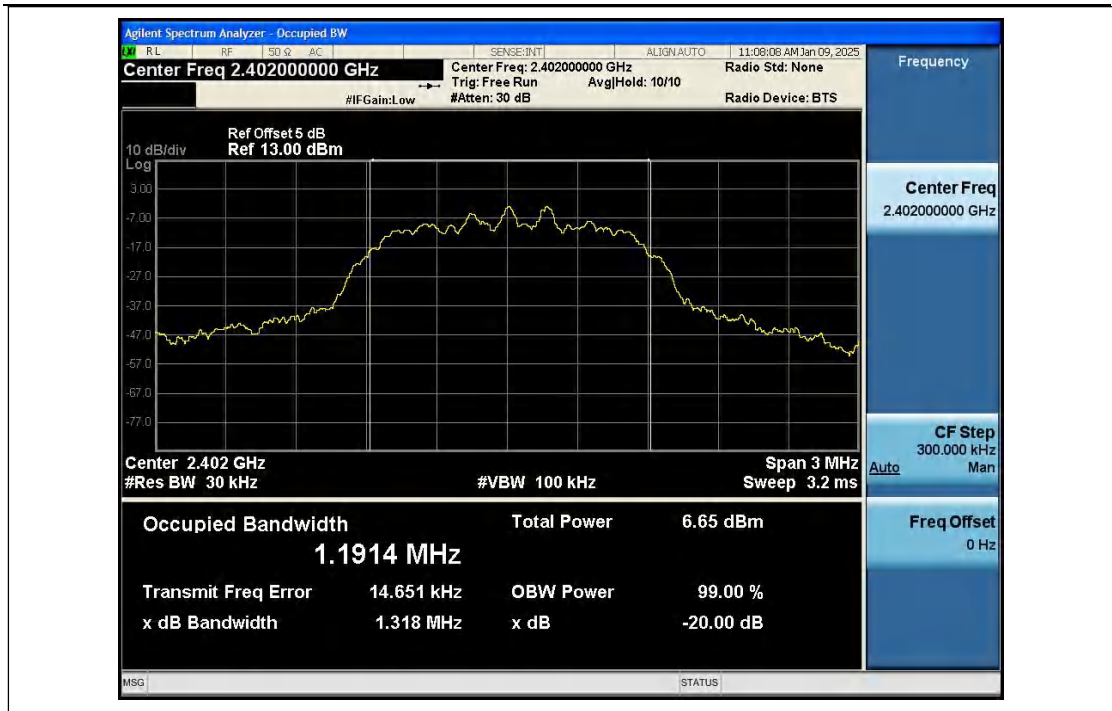
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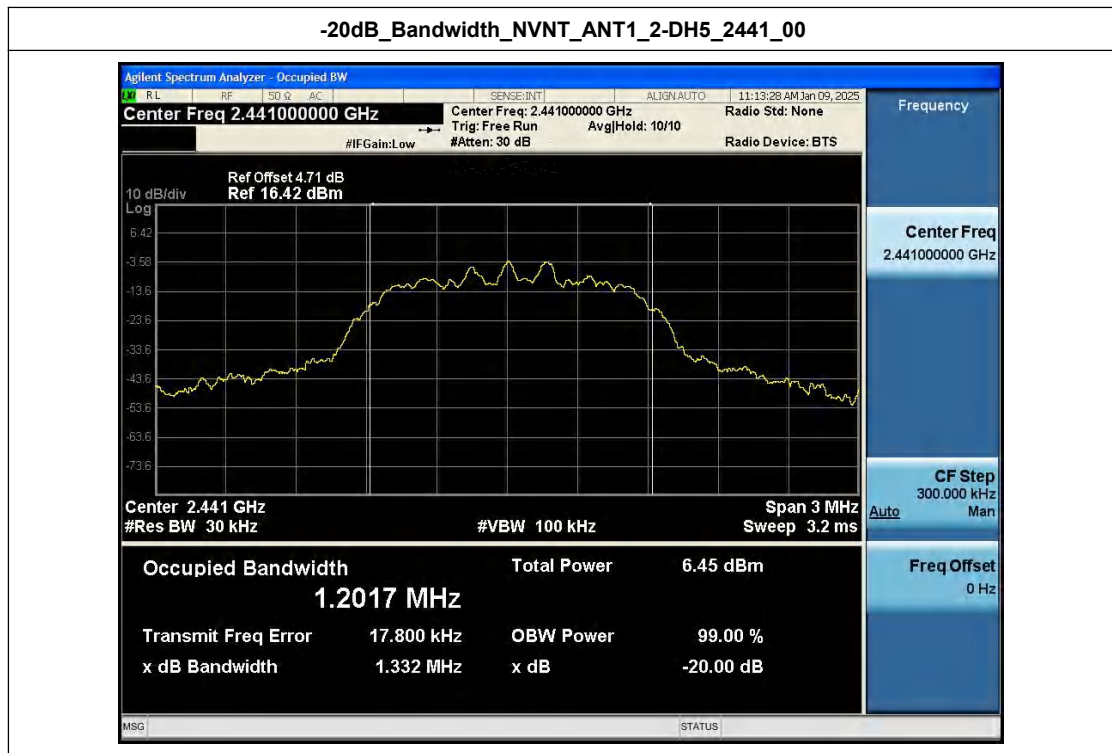
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-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



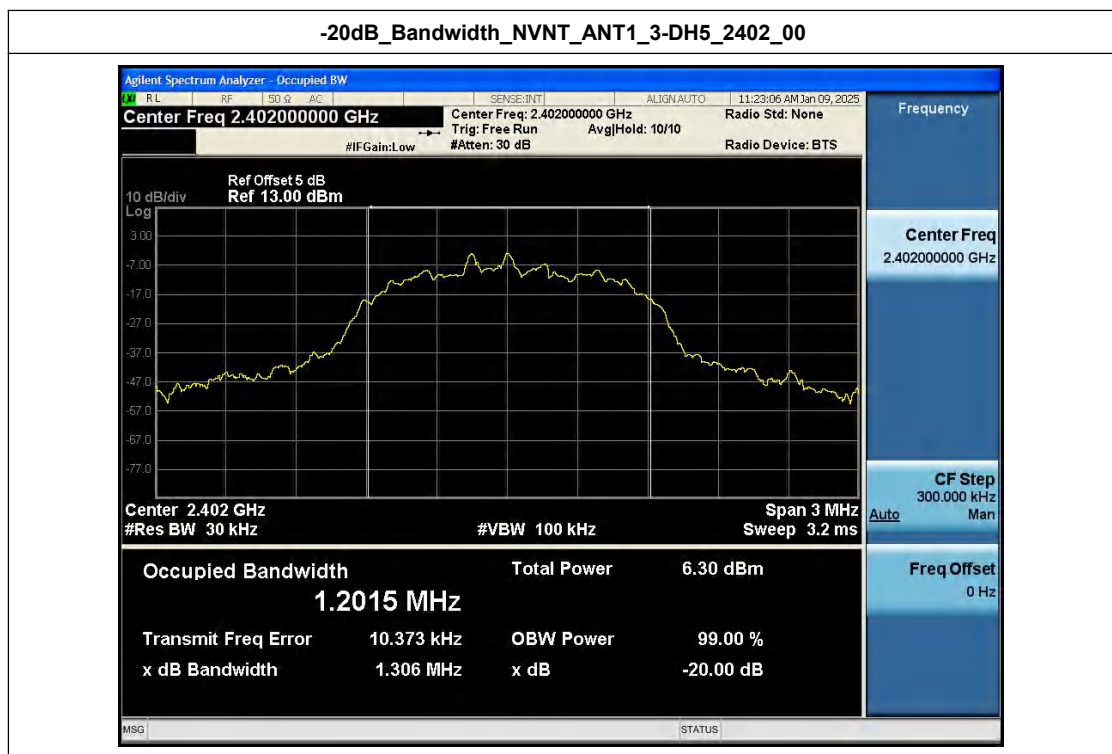
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-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



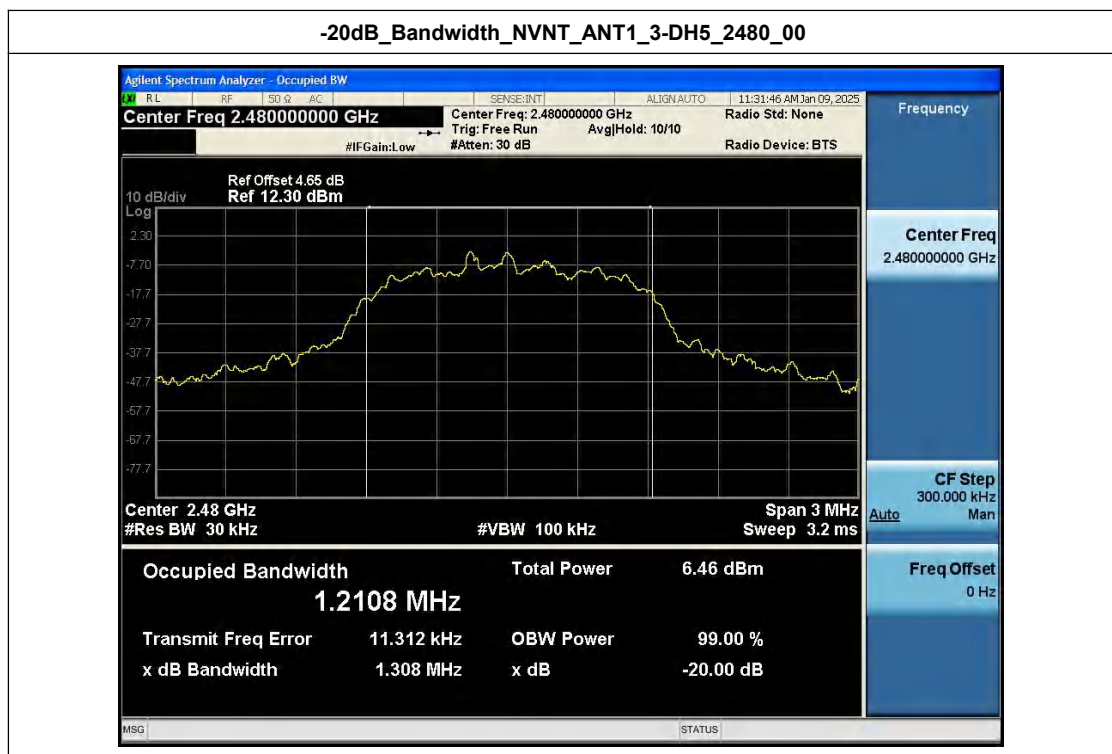
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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00



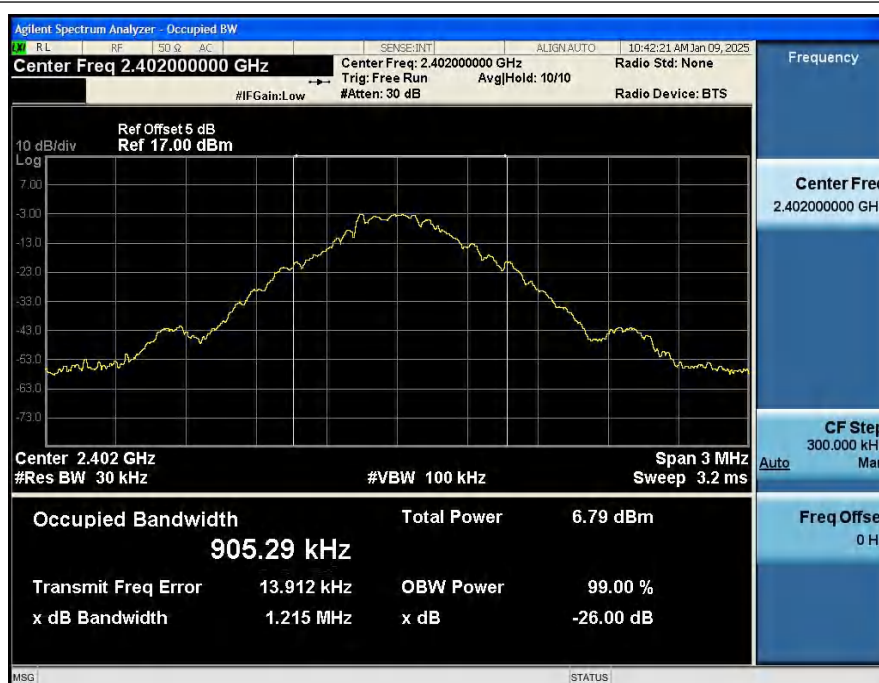
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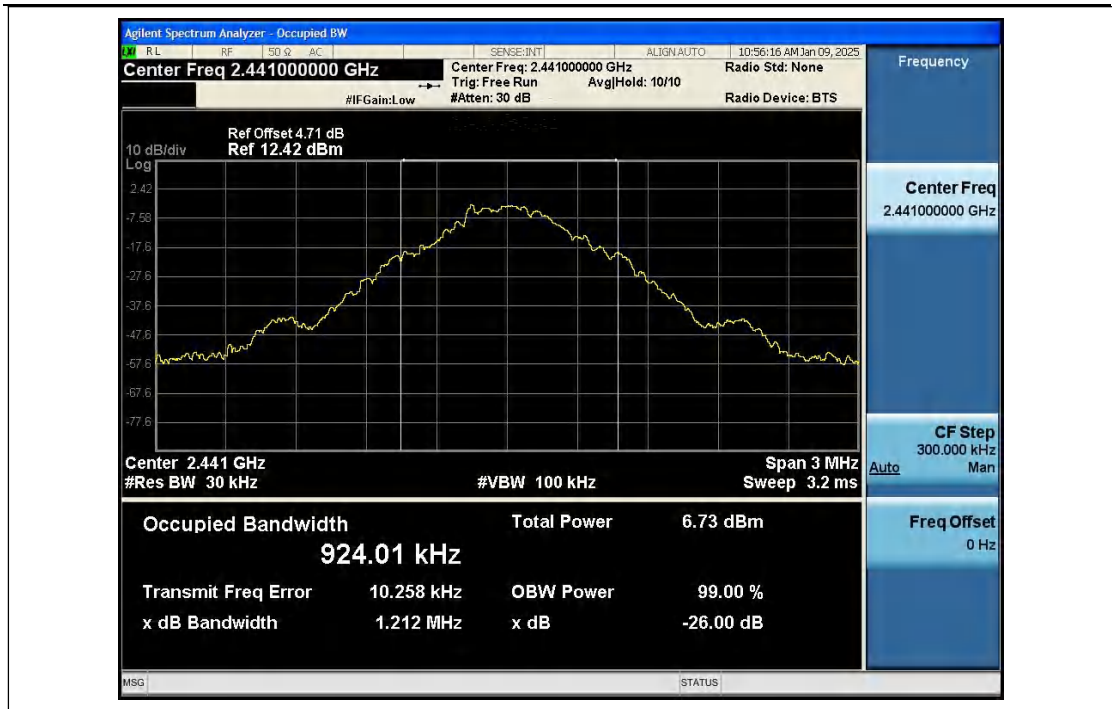
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.905
NVNT	ANT1	1-DH5	2441.00	0.924
NVNT	ANT1	1-DH5	2480.00	0.930
NVNT	ANT1	2-DH5	2402.00	1.193
NVNT	ANT1	2-DH5	2441.00	1.201
NVNT	ANT1	2-DH5	2480.00	1.209
NVNT	ANT1	3-DH5	2402.00	1.205
NVNT	ANT1	3-DH5	2441.00	1.208
NVNT	ANT1	3-DH5	2480.00	1.208

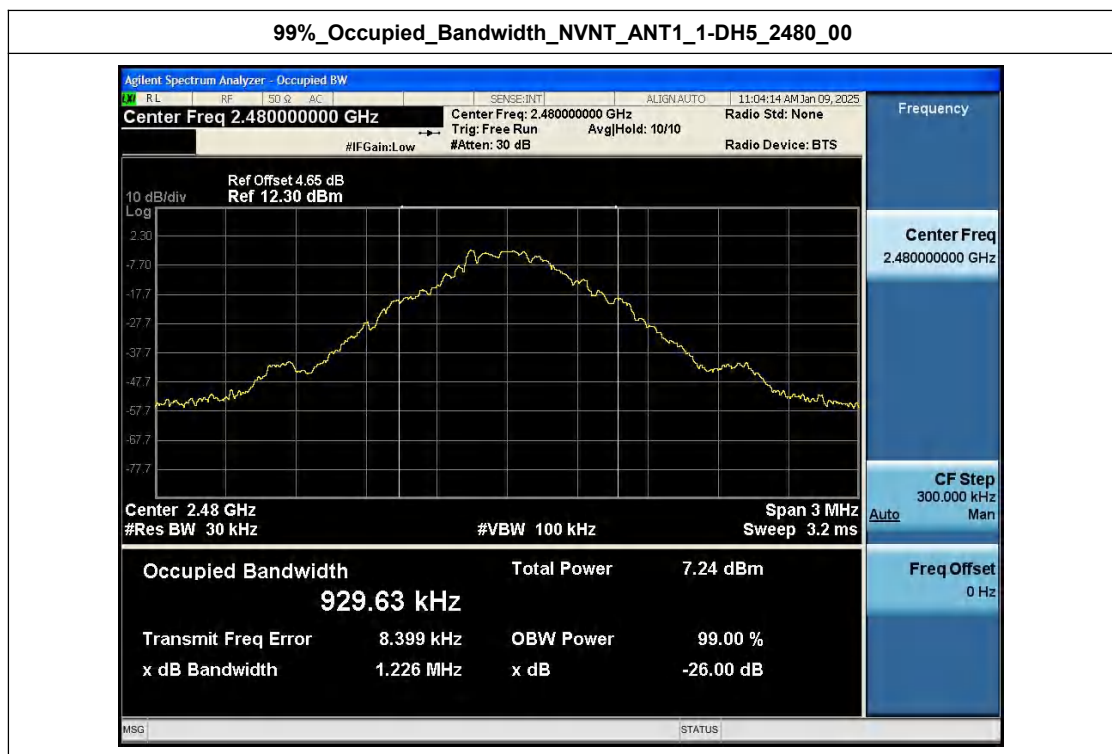
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99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



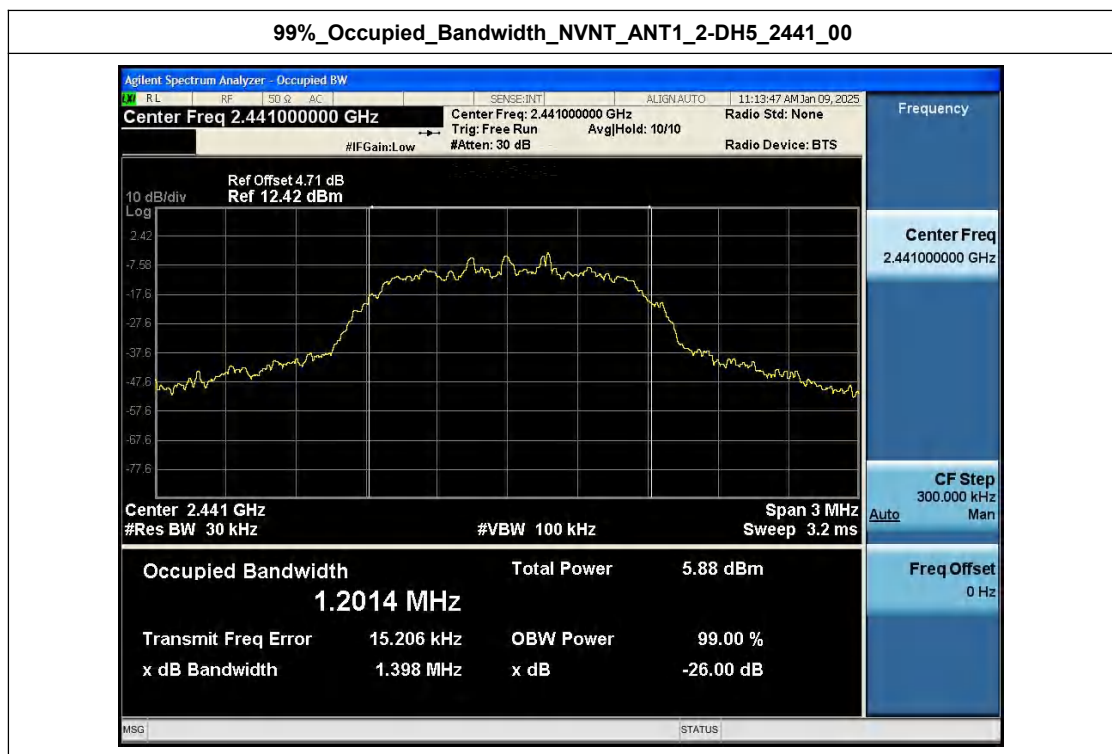
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99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



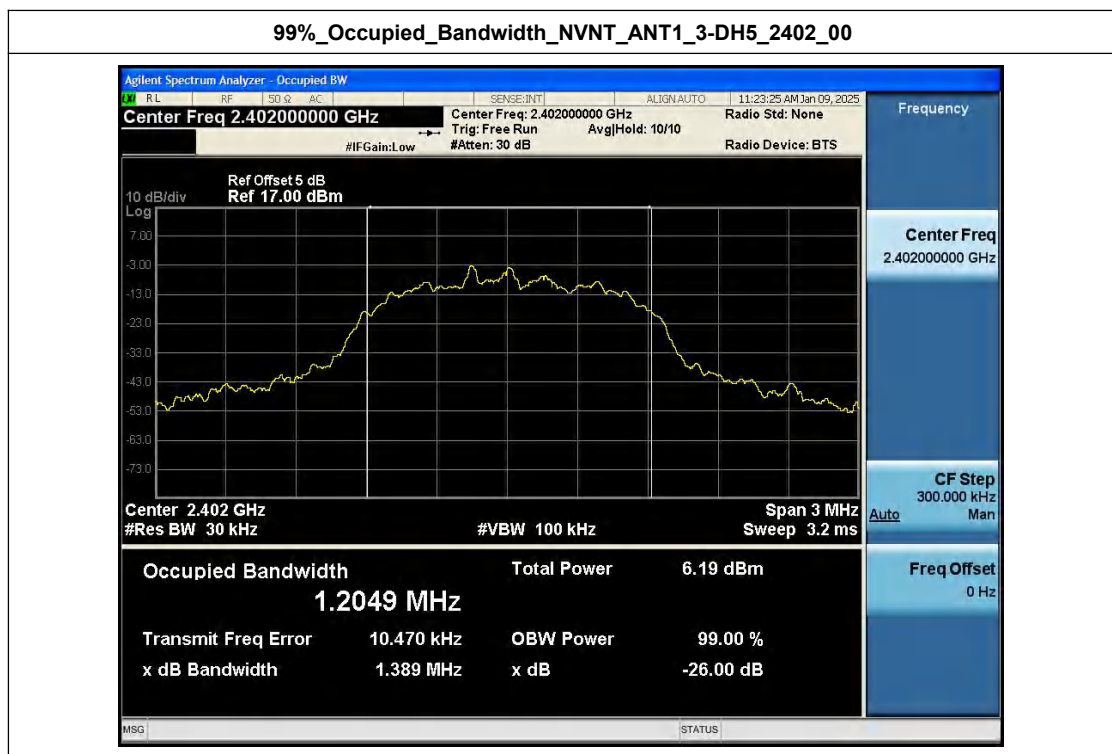
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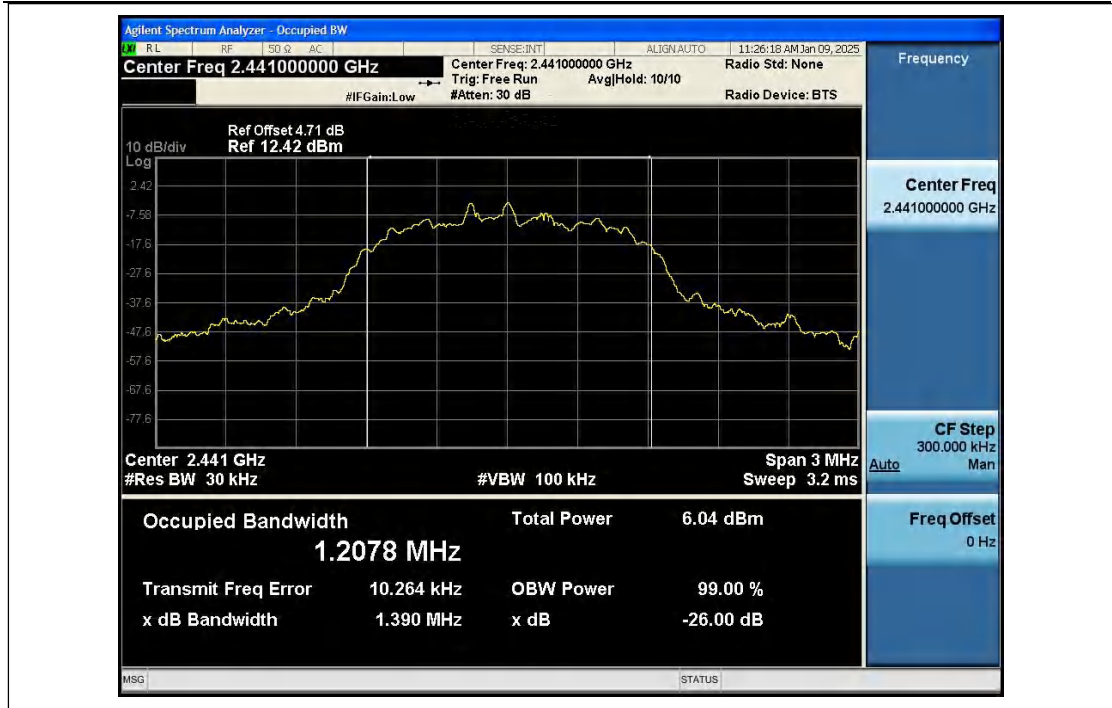
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



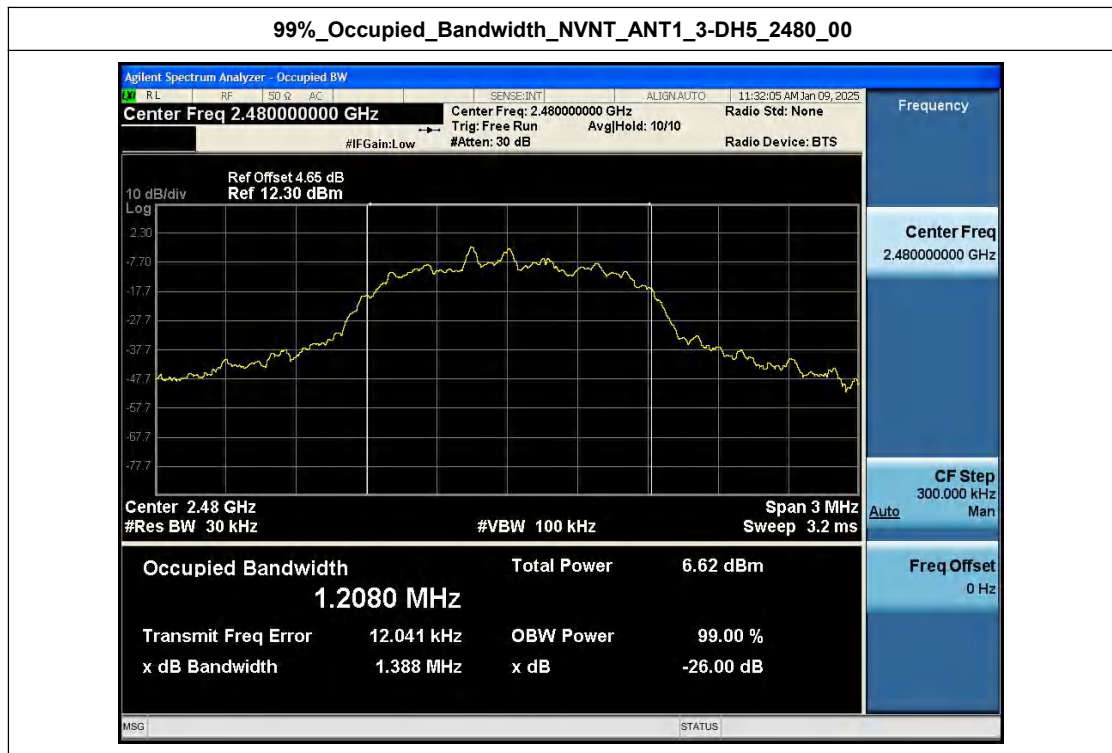
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix D: Peak Output Power(Left)

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	-0.56	0.88	125	Pass
NVNT	ANT1	1-DH5	2441.00	-0.69	0.85	125	Pass
NVNT	ANT1	1-DH5	2480.00	-0.15	0.97	125	Pass
NVNT	ANT1	2-DH5	2402.00	0.40	1.10	125	Pass
NVNT	ANT1	2-DH5	2441.00	0.15	1.03	125	Pass
NVNT	ANT1	2-DH5	2480.00	0.63	1.16	125	Pass
NVNT	ANT1	3-DH5	2402.00	0.71	1.18	125	Pass
NVNT	ANT1	3-DH5	2441.00	0.49	1.12	125	Pass
NVNT	ANT1	3-DH5	2480.00	1.01	1.26	125	Pass

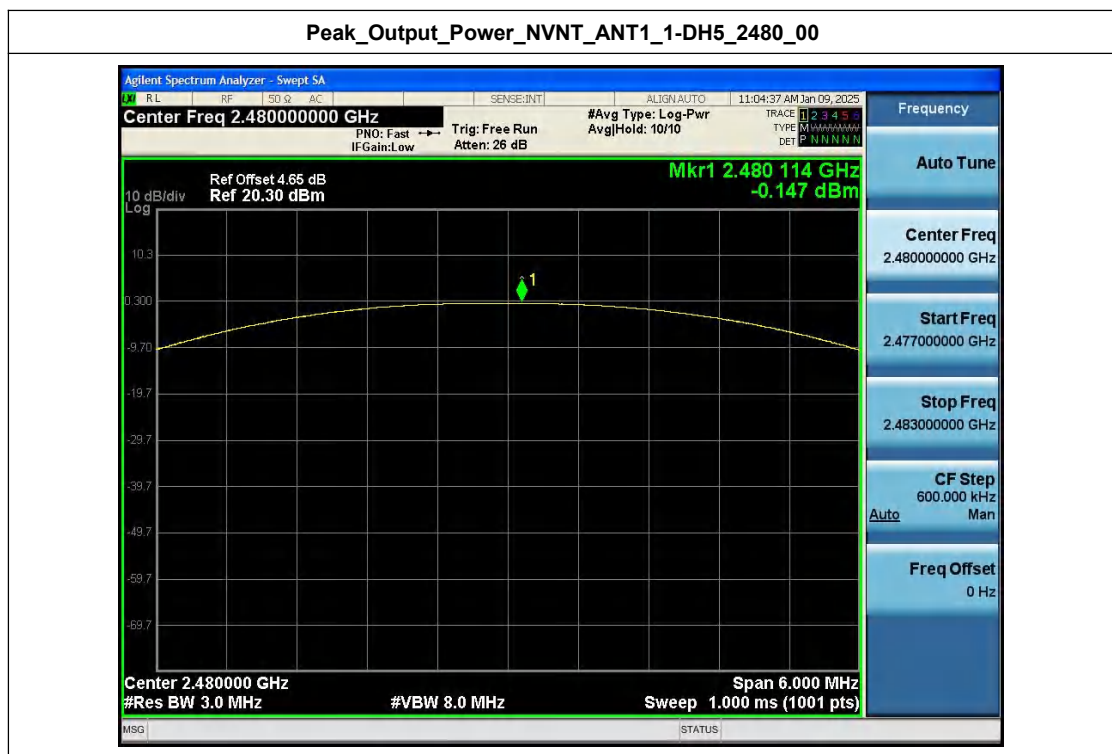
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Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



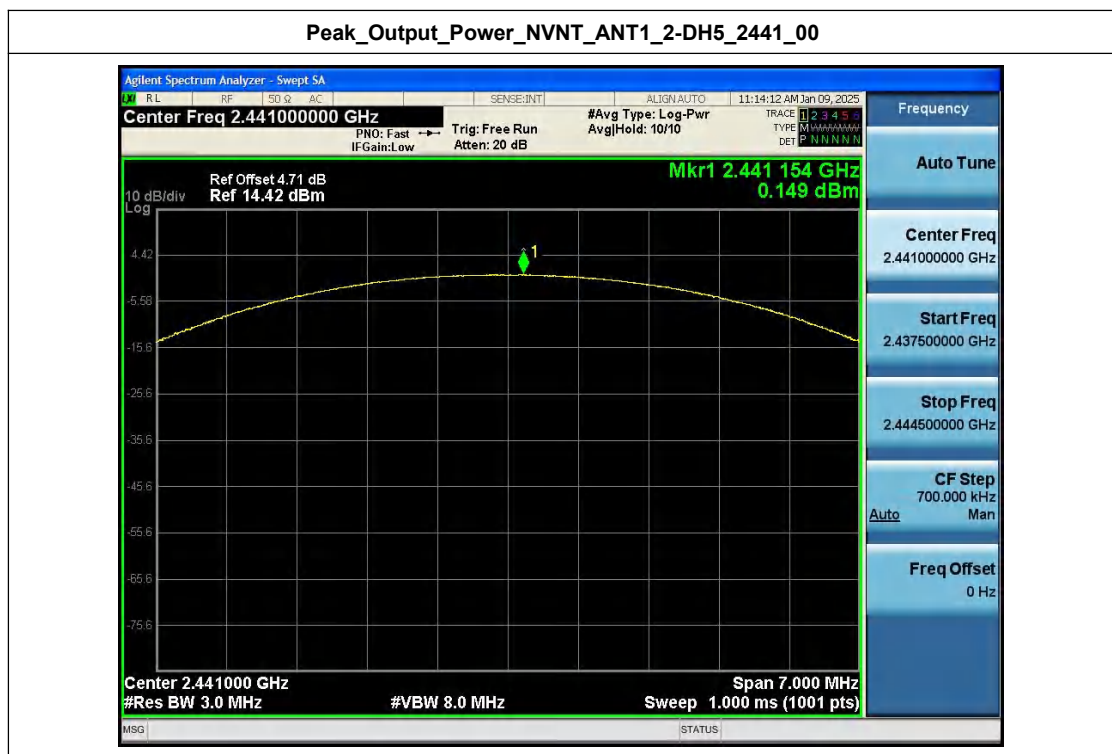
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



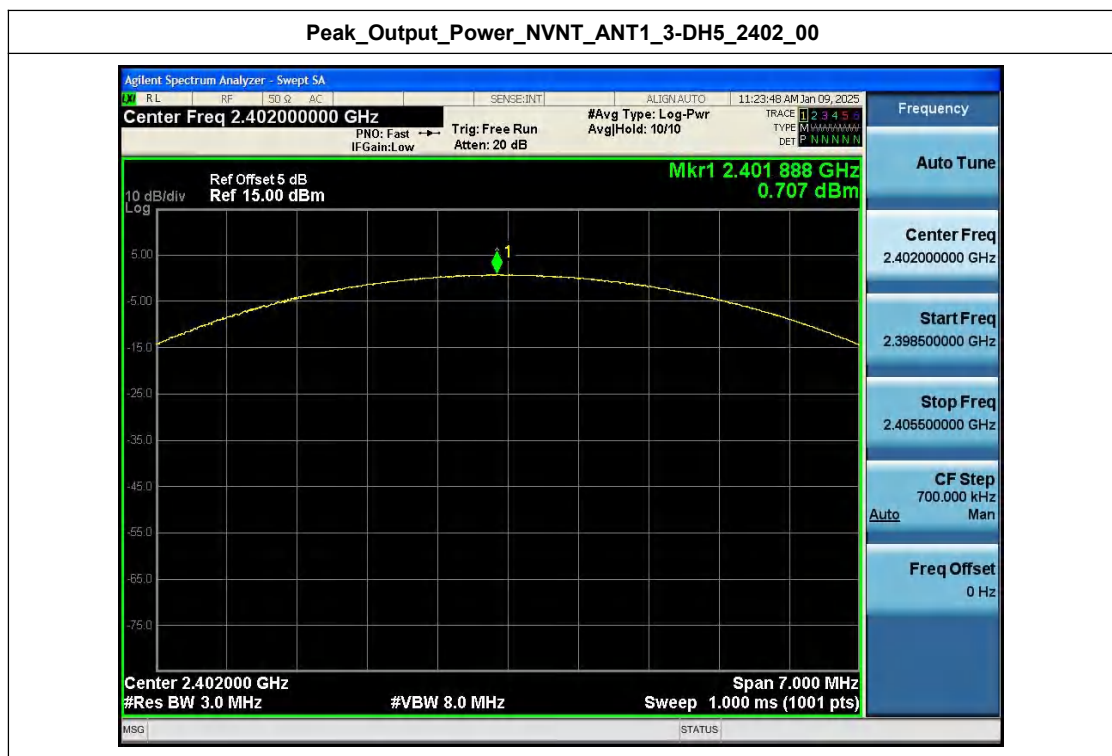
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



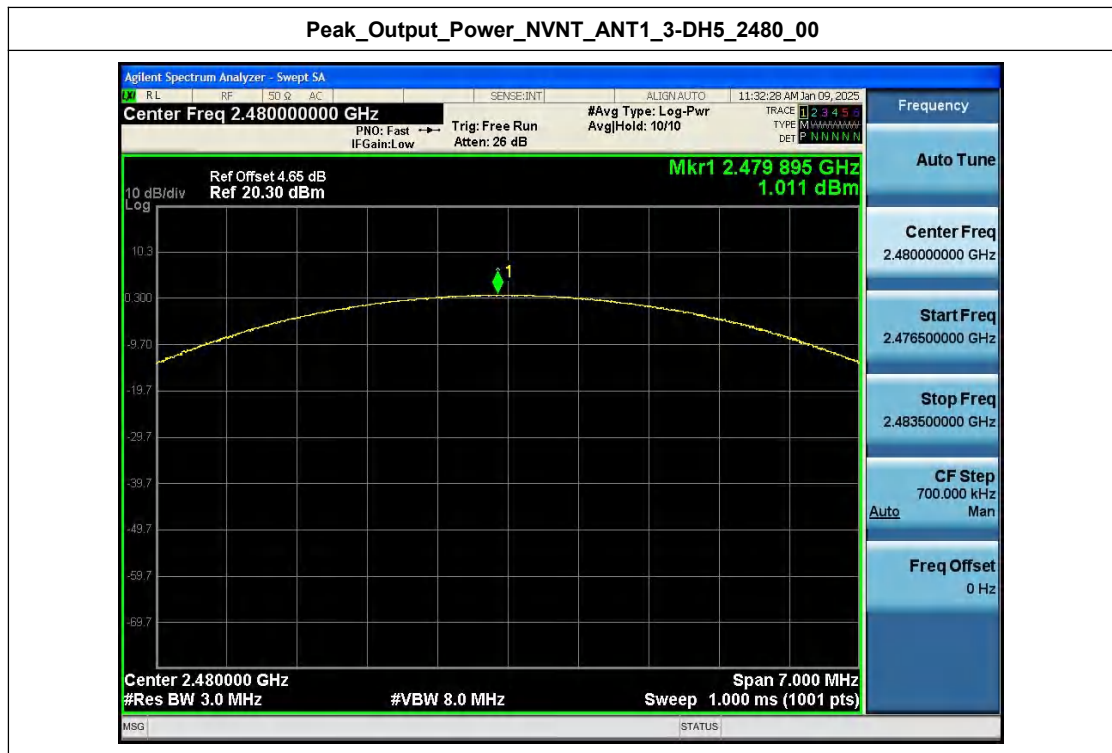
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Peak Output Power(Right)

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	-0.71	0.85	125	Pass
NVNT	ANT1	1-DH5	2480.00	-0.15	0.97	125	Pass
NVNT	ANT1	2-DH5	2402.00	0.33	1.08	125	Pass
NVNT	ANT1	2-DH5	2441.00	0.12	1.03	125	Pass
NVNT	ANT1	2-DH5	2480.00	0.67	1.17	125	Pass
NVNT	ANT1	3-DH5	2402.00	0.68	1.17	125	Pass
NVNT	ANT1	3-DH5	2441.00	0.50	1.12	125	Pass
NVNT	ANT1	3-DH5	2480.00	1.01	1.26	125	Pass

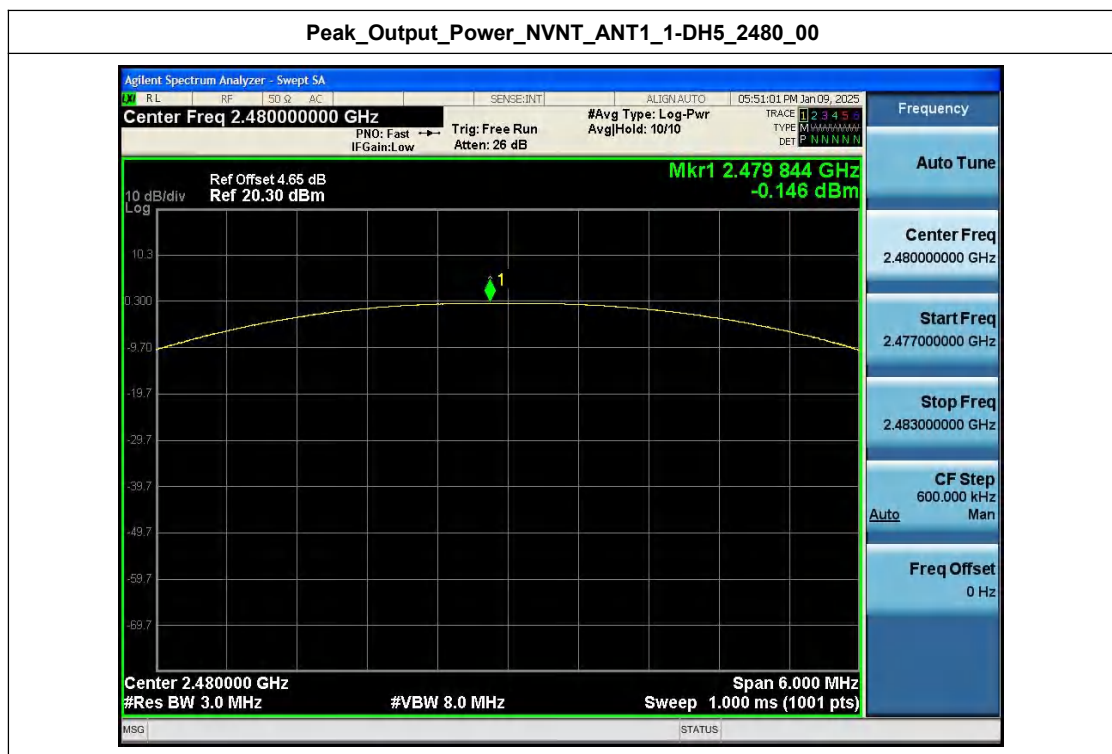
Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



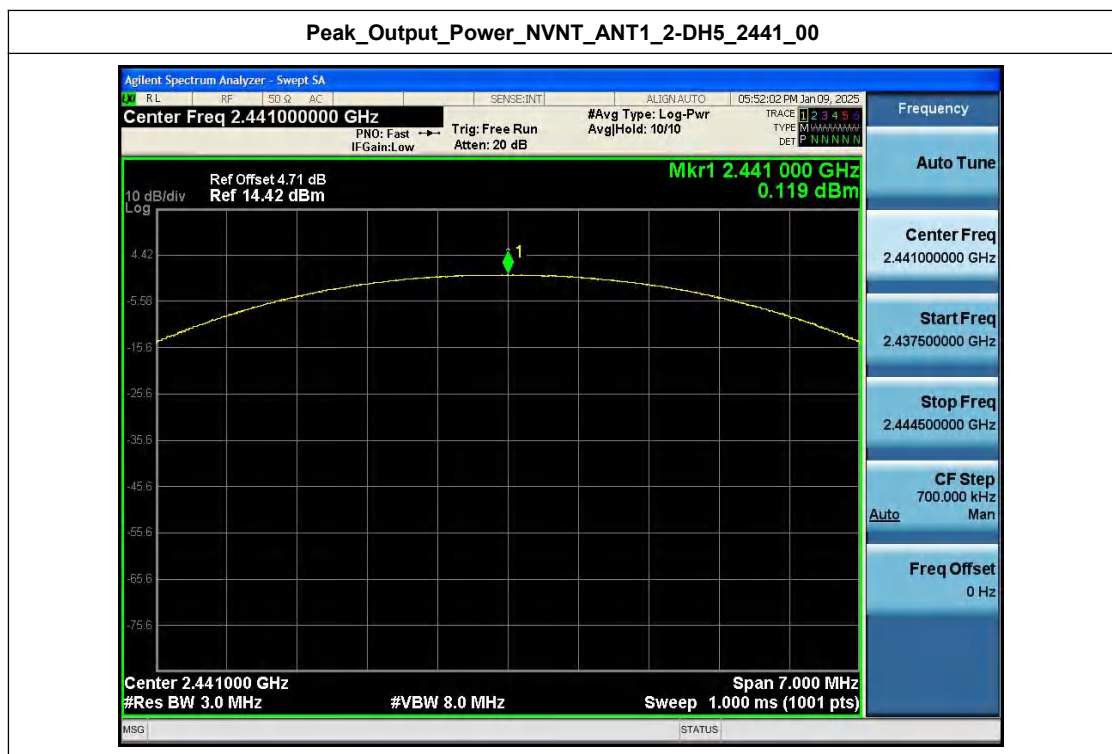
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



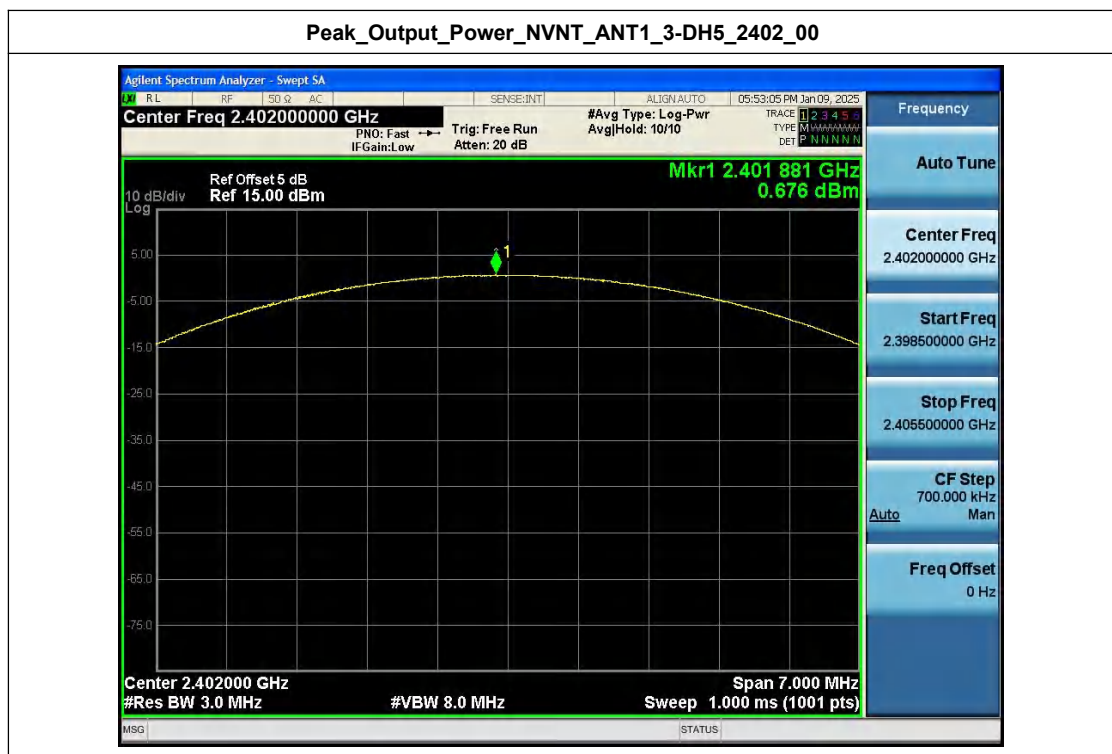
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



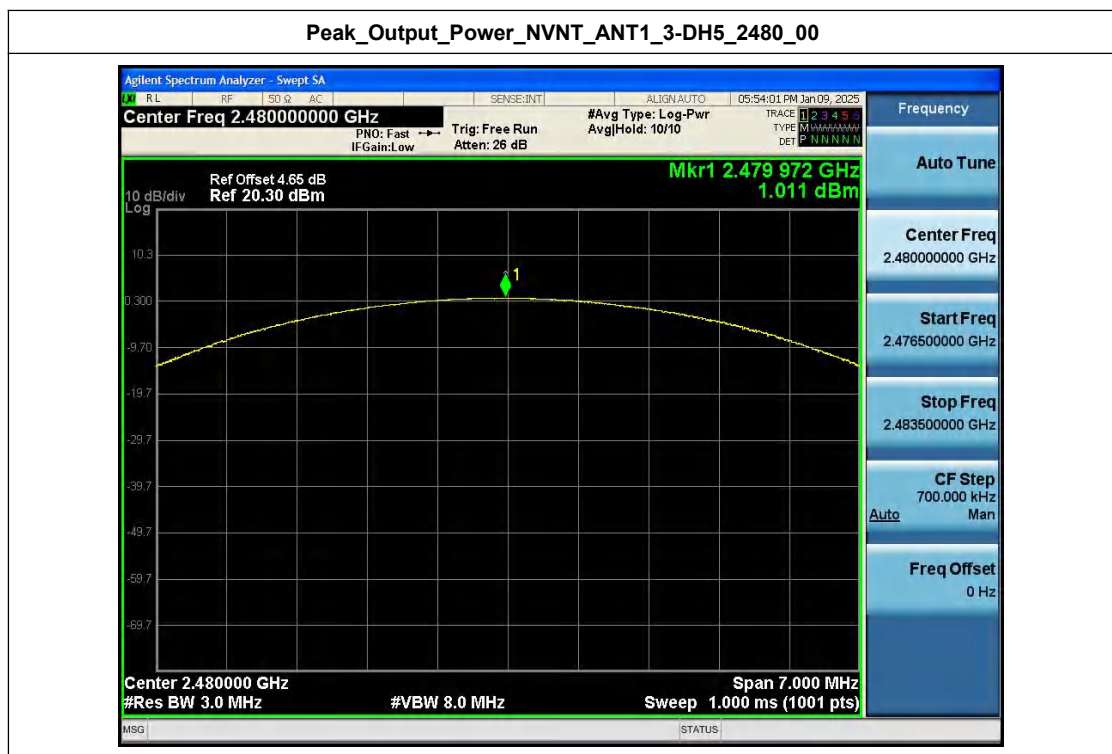
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



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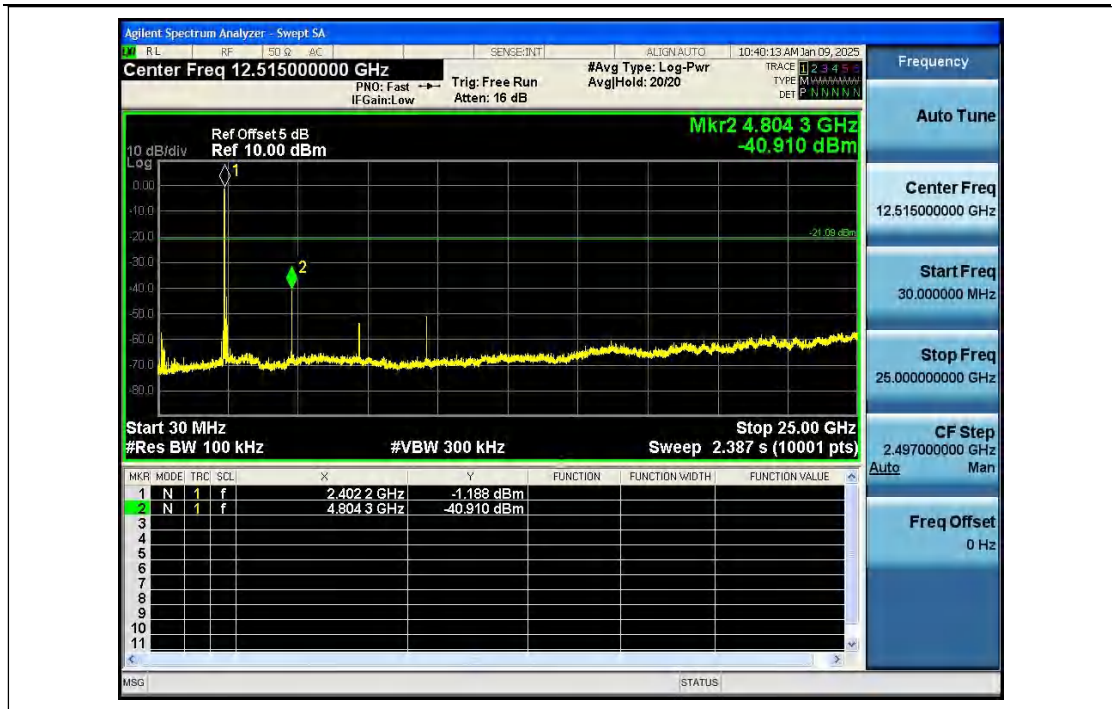
Appendix F: Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-1.092	-40.910	-21.092	Pass
NVNT	ANT1	1-DH5	2441.00	-1.067	-42.274	-21.067	Pass
NVNT	ANT1	1-DH5	2480.00	-0.483	-42.235	-20.483	Pass
NVNT	ANT1	2-DH5	2402.00	-0.684	-43.546	-20.684	Pass
NVNT	ANT1	2-DH5	2441.00	-0.963	-41.363	-20.963	Pass
NVNT	ANT1	2-DH5	2480.00	-0.502	-43.947	-20.502	Pass
NVNT	ANT1	3-DH5	2402.00	-0.784	-43.438	-20.784	Pass
NVNT	ANT1	3-DH5	2441.00	-1.045	-41.962	-21.045	Pass
NVNT	ANT1	3-DH5	2480.00	-0.497	-43.099	-20.497	Pass

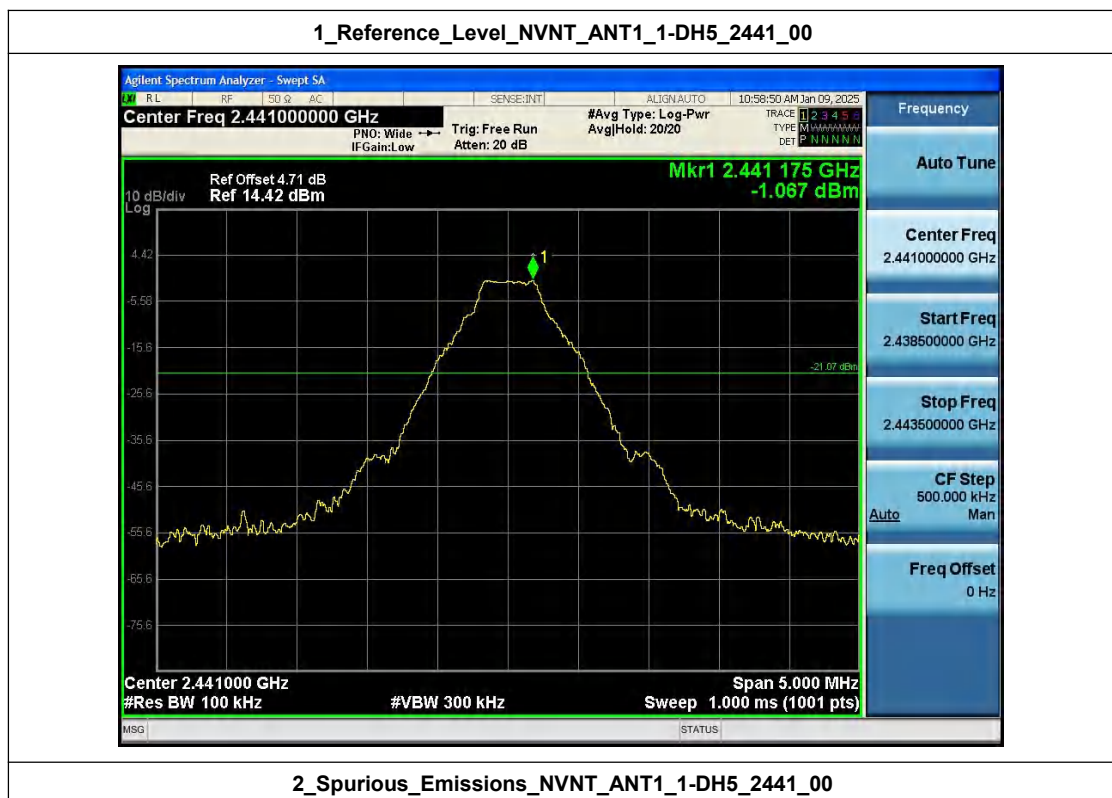
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



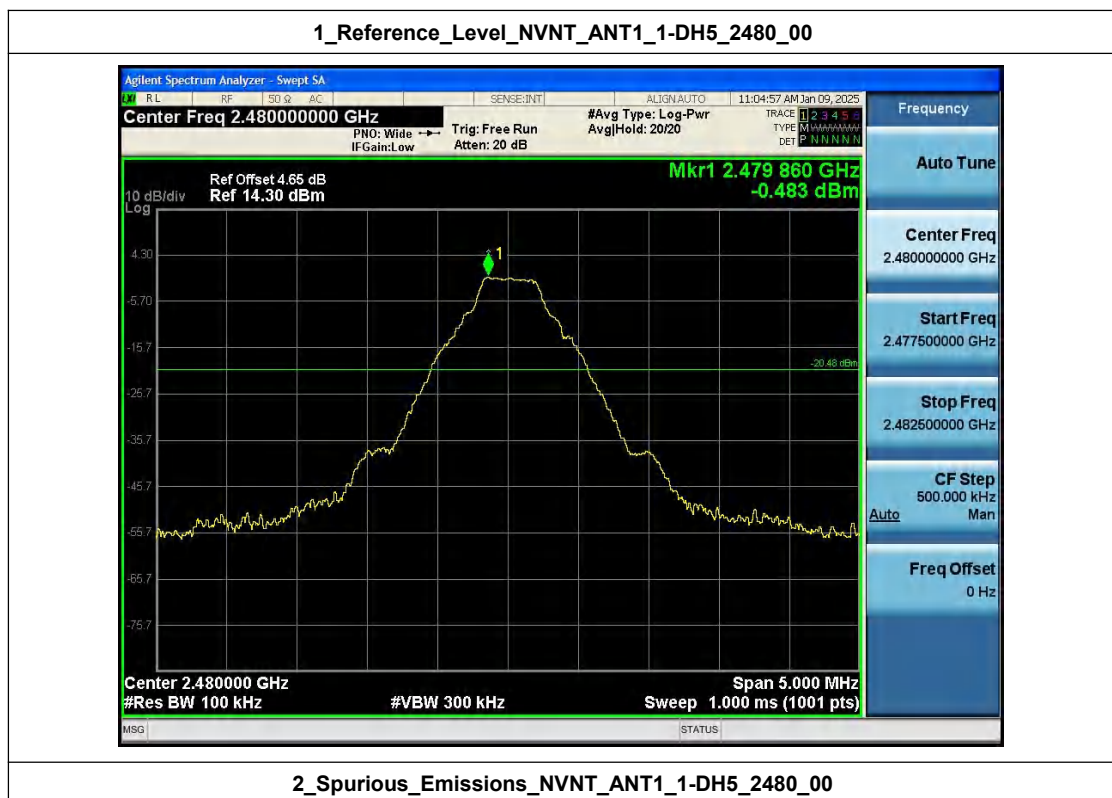
1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00



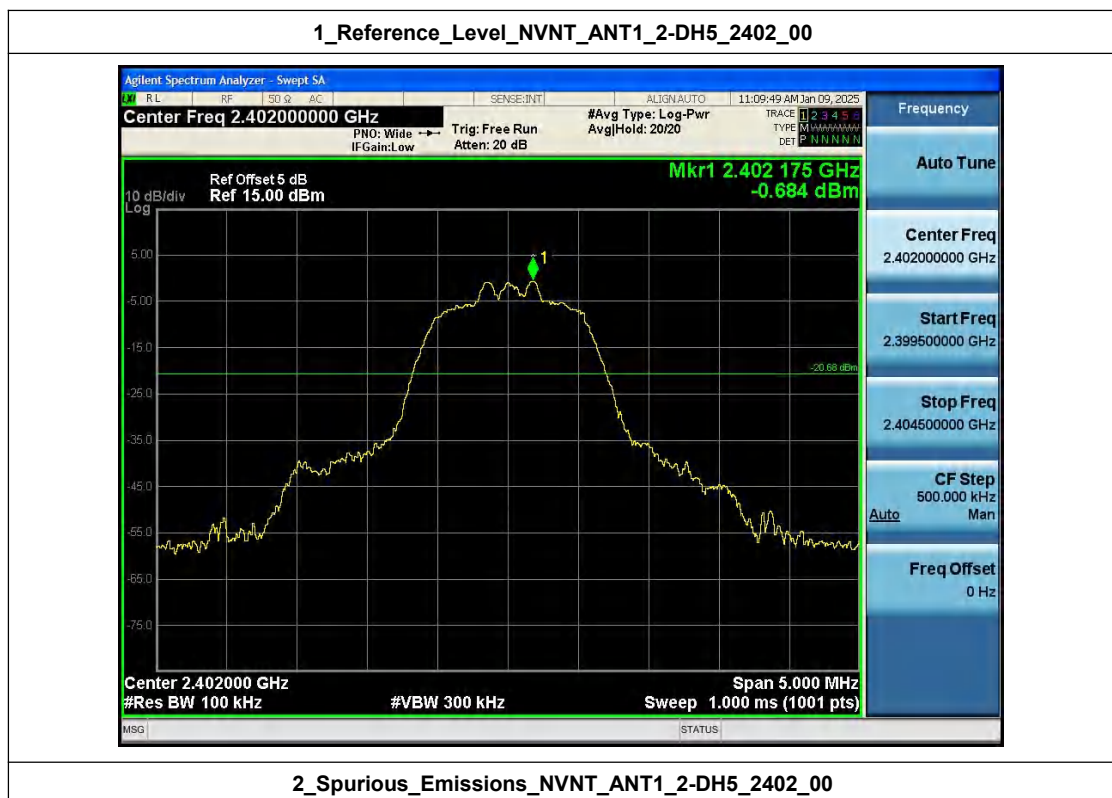
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



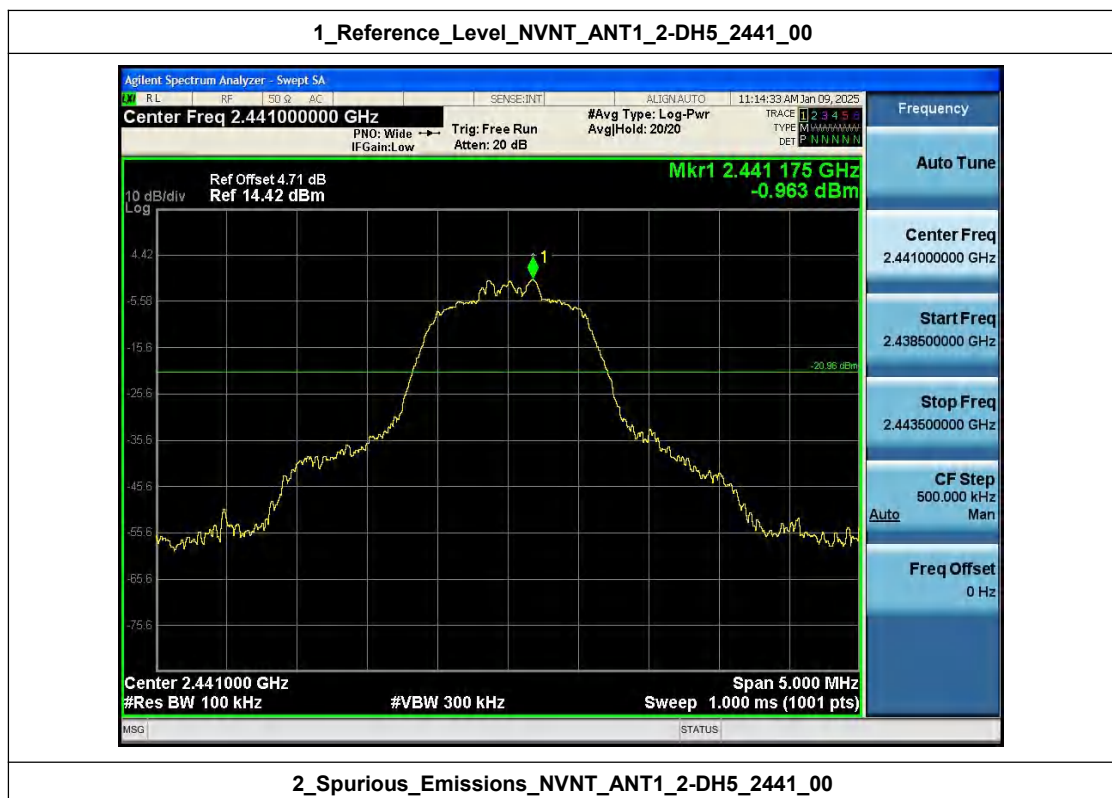
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2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



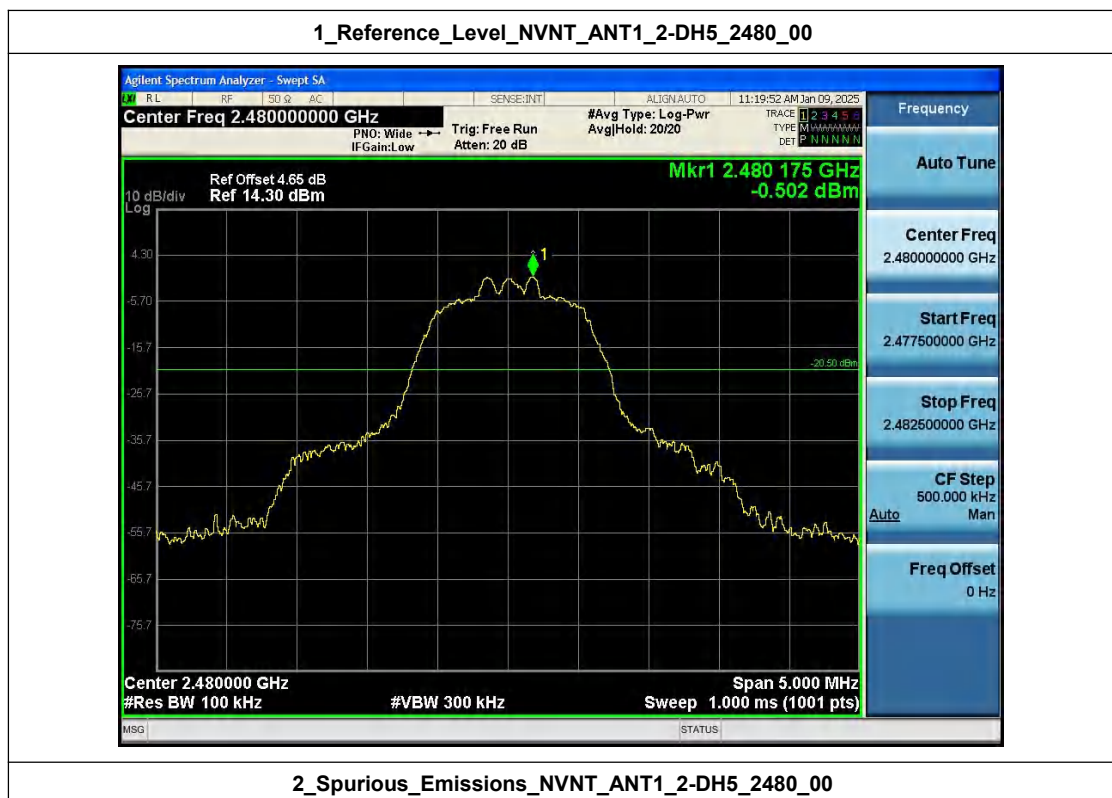
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2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00



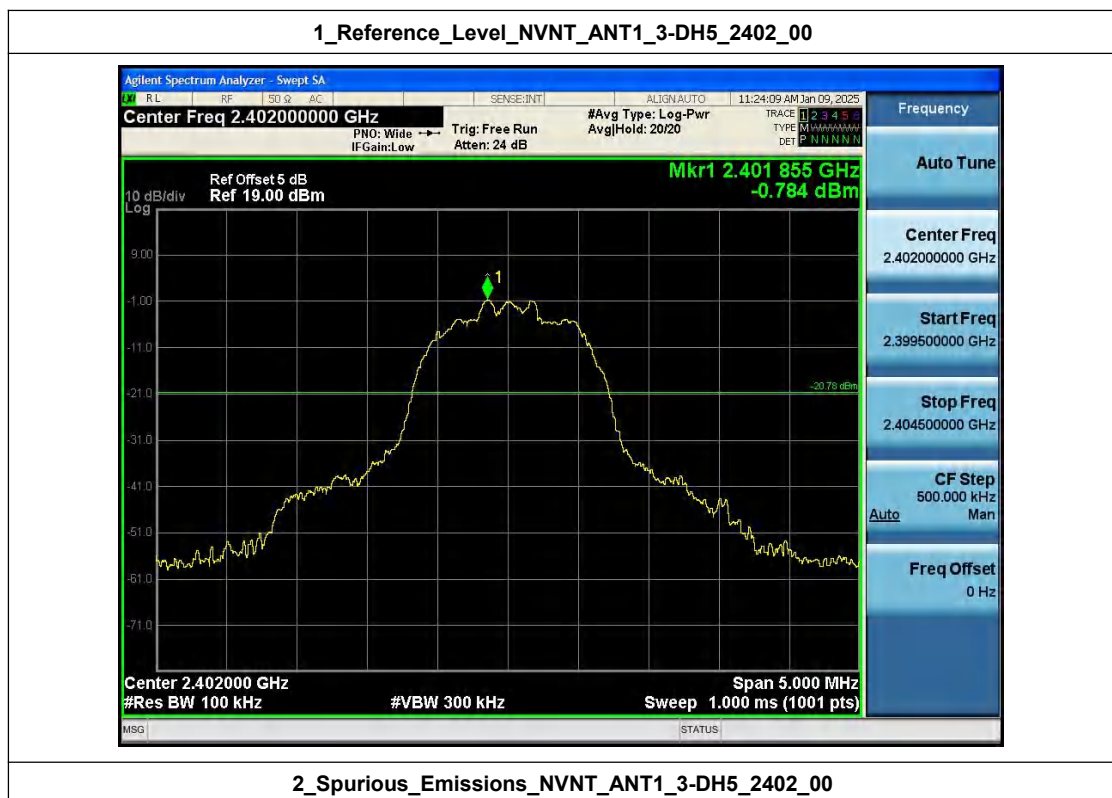
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



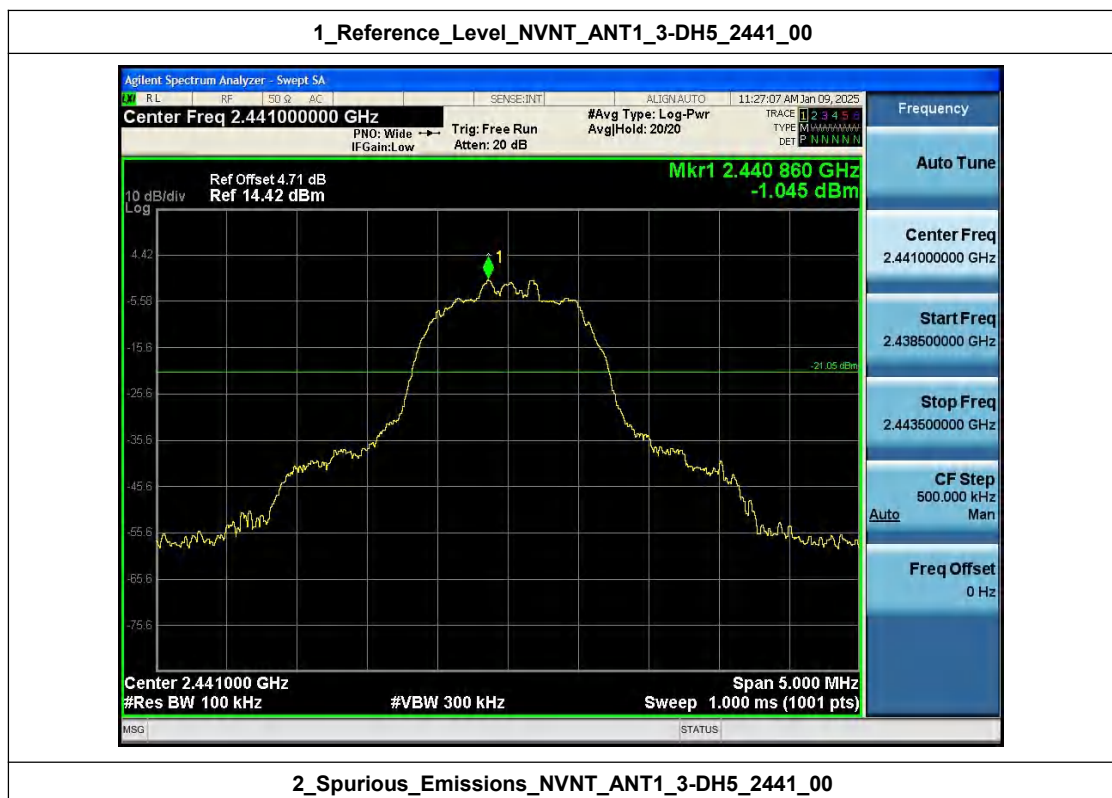
1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00



1_Reference_Level_NVNT_ANT1_3-DH5_2441_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00

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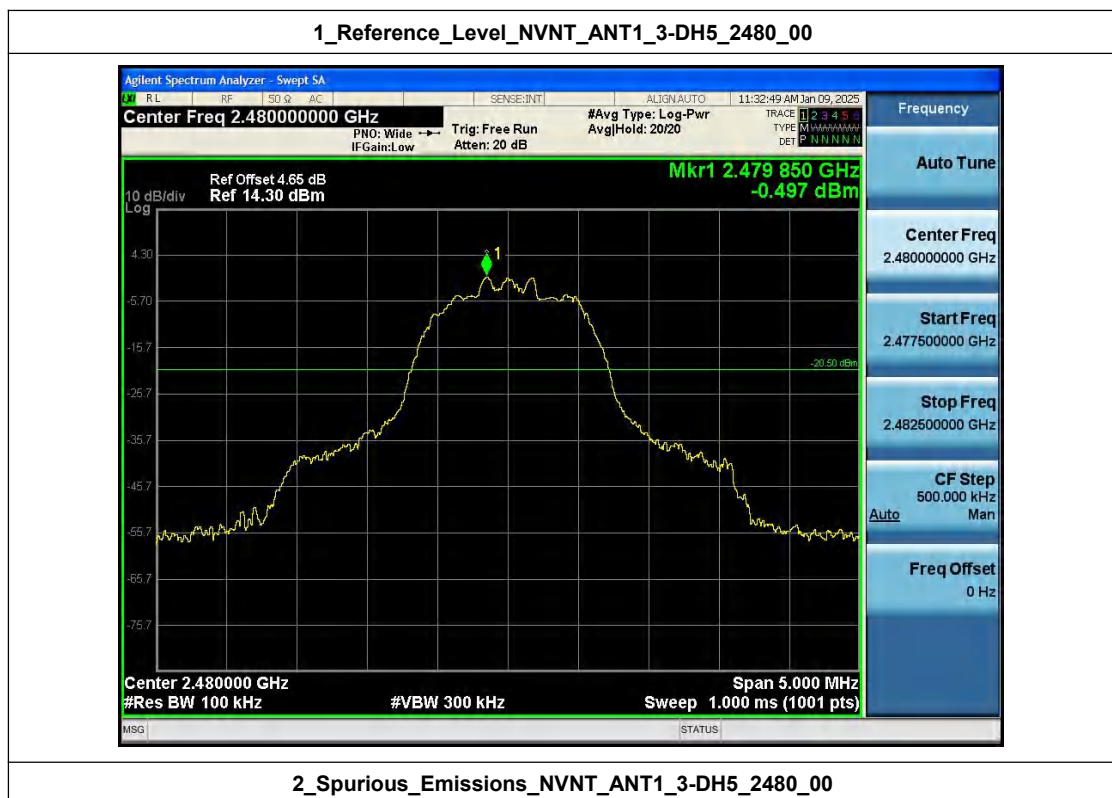
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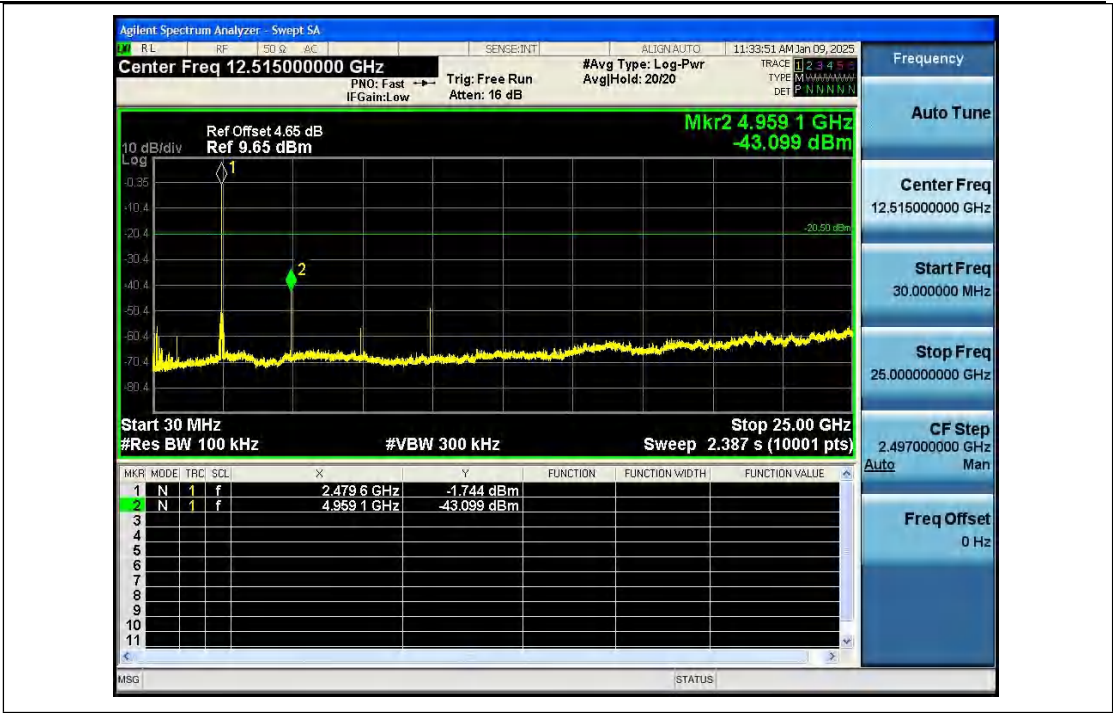
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1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00



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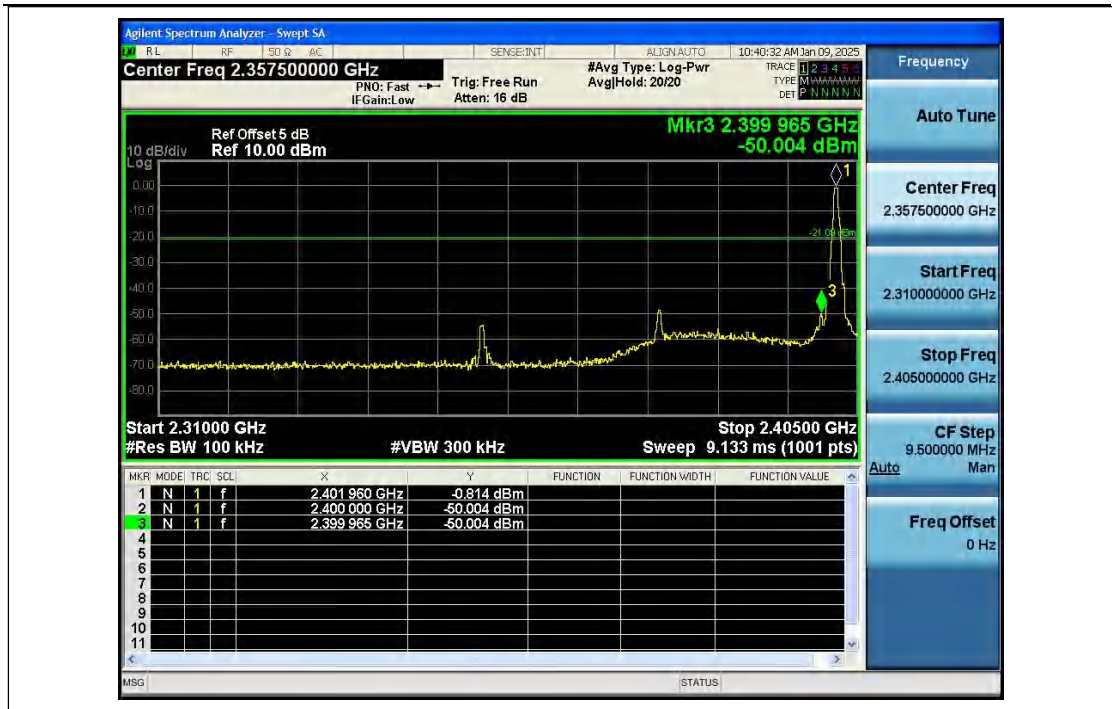
Appendix G: Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-1.092	-50.004	-21.092	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-0.419	-49.002	-20.419	Pass
NVNT	ANT1	1-DH5	2480.00	-0.483	-56.093	-20.483	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-0.794	-48.416	-20.794	Pass
NVNT	ANT1	2-DH5	2402.00	-5.558	-59.346	-25.558	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-2.029	-57.021	-22.029	Pass
NVNT	ANT1	2-DH5	2480.00	-0.502	-55.972	-20.502	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-0.720	-50.336	-20.720	Pass
NVNT	ANT1	3-DH5	2402.00	-5.032	-57.252	-25.032	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-3.541	-57.377	-23.541	Pass
NVNT	ANT1	3-DH5	2480.00	-0.497	-56.136	-20.497	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-1.065	-48.872	-21.065	Pass

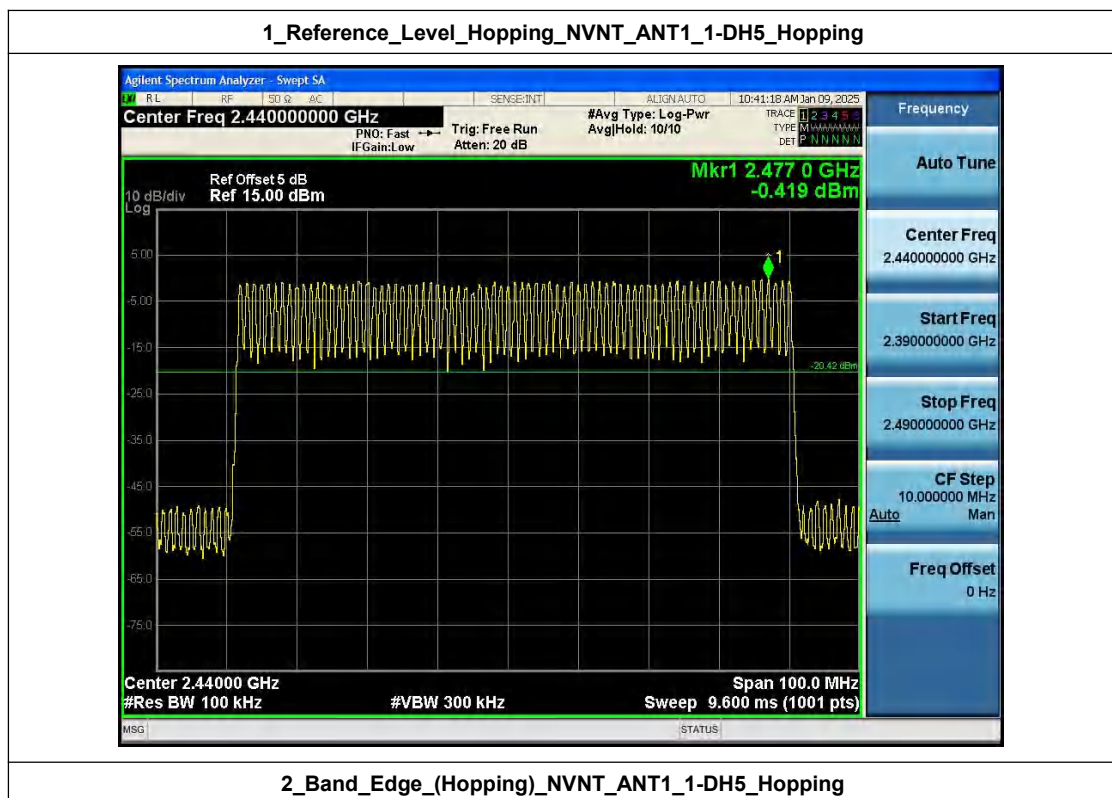
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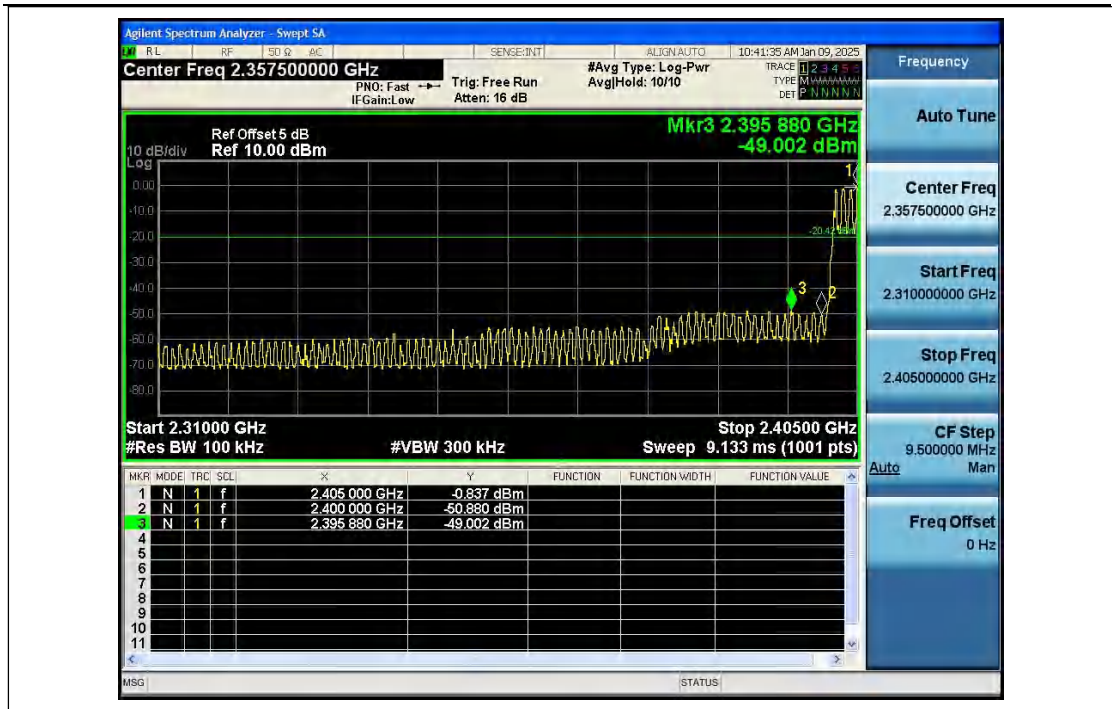
2_Bandedge_NVNT_ANT1_1-DH5_2402_00



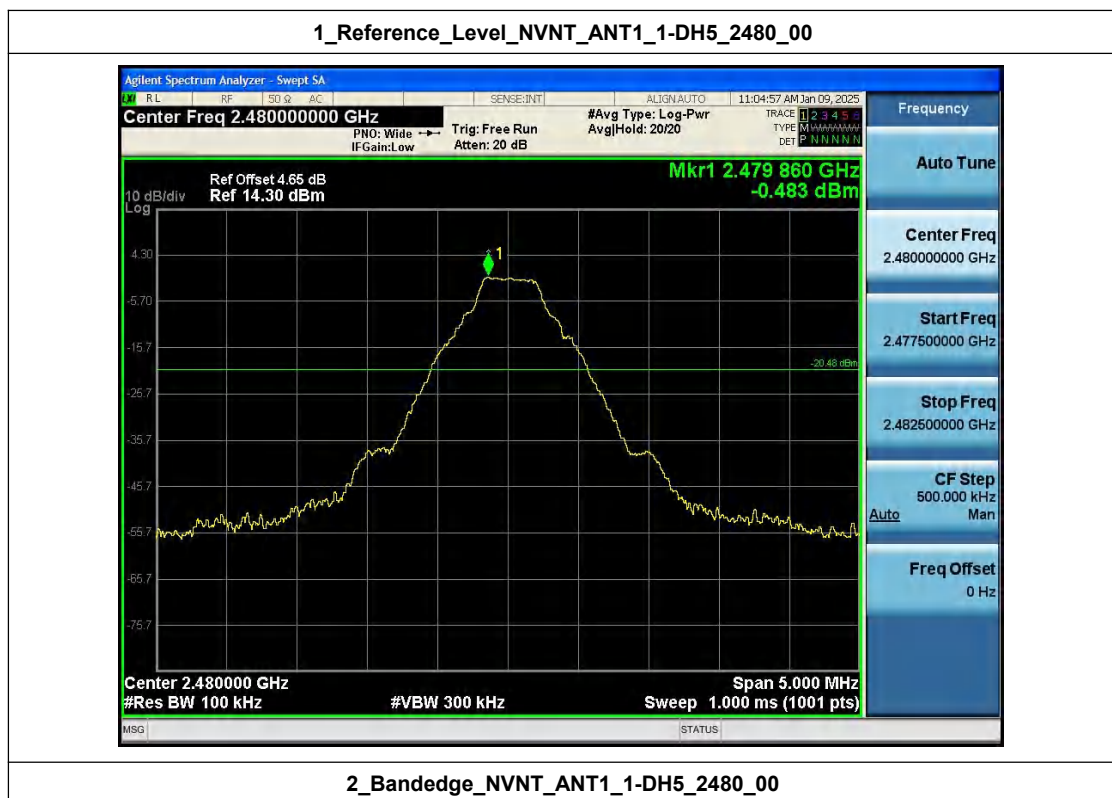
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



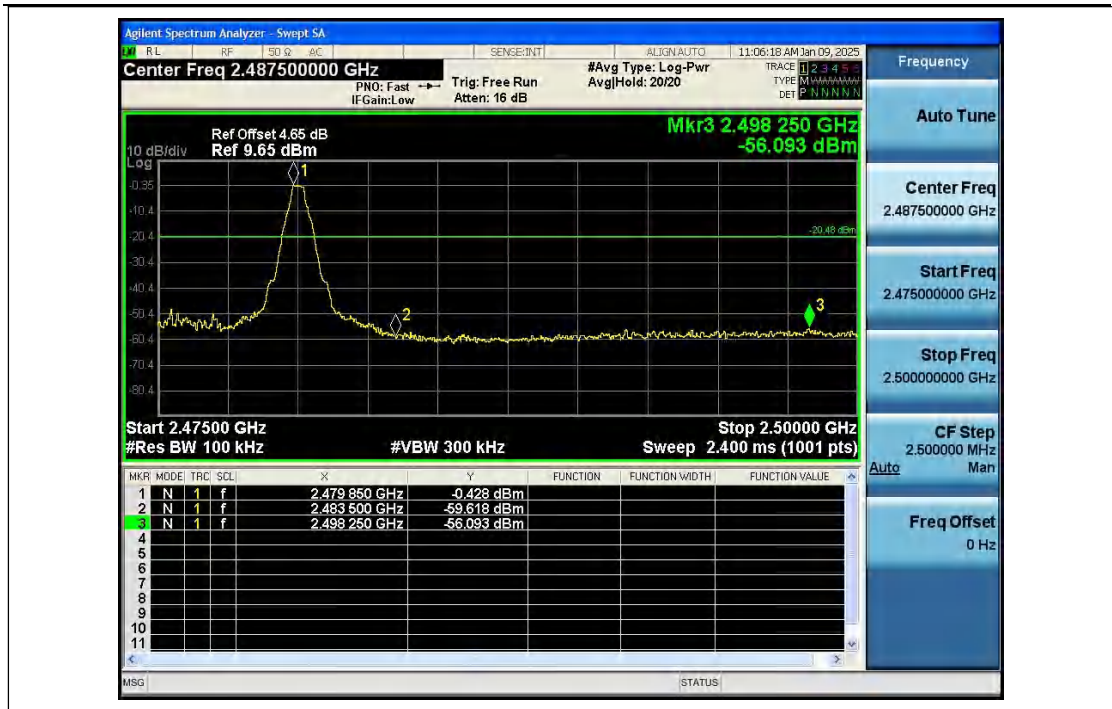
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



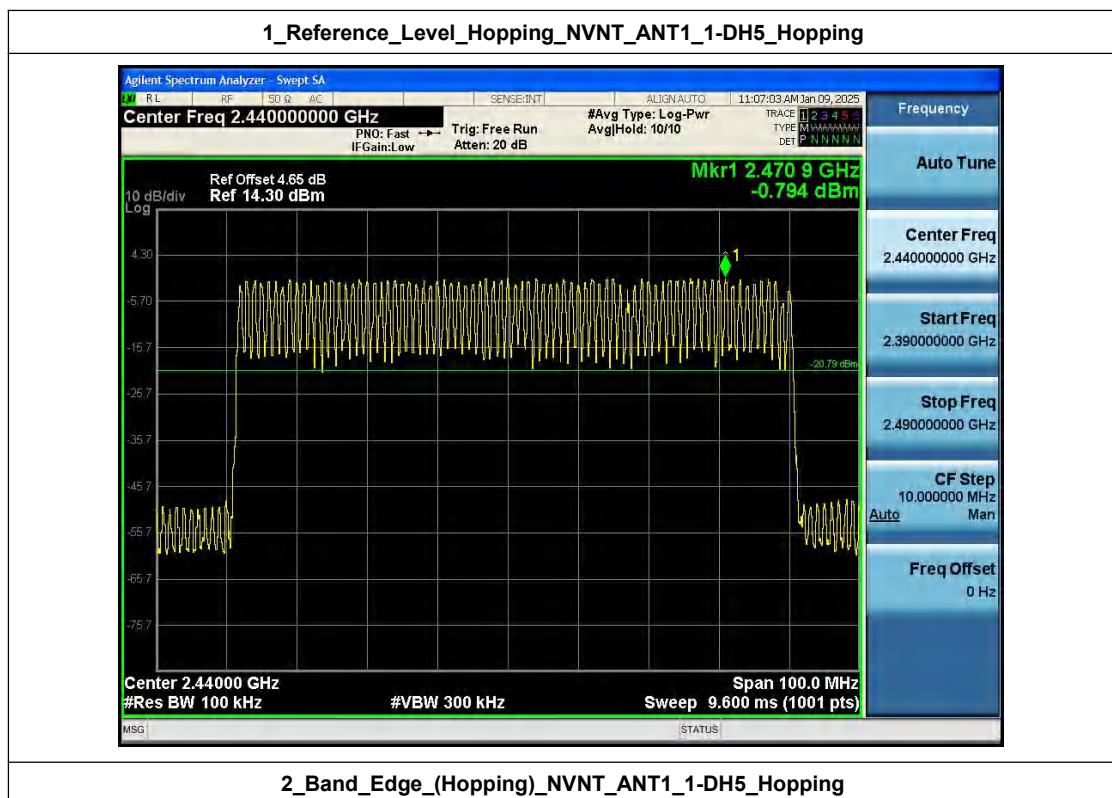
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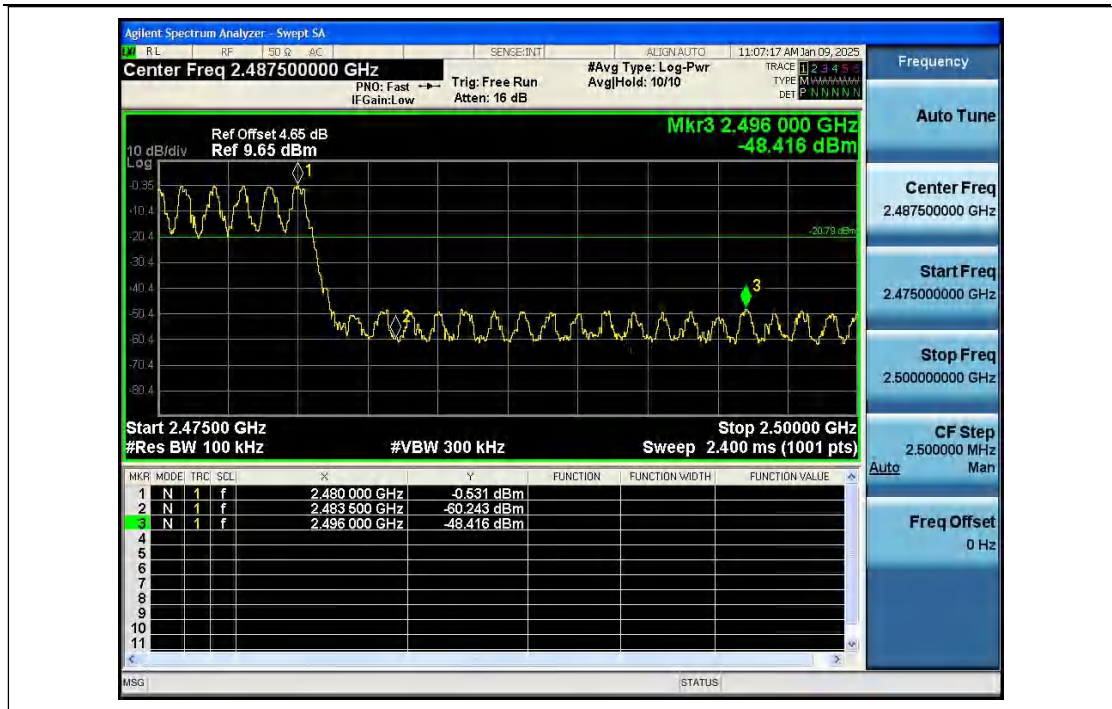
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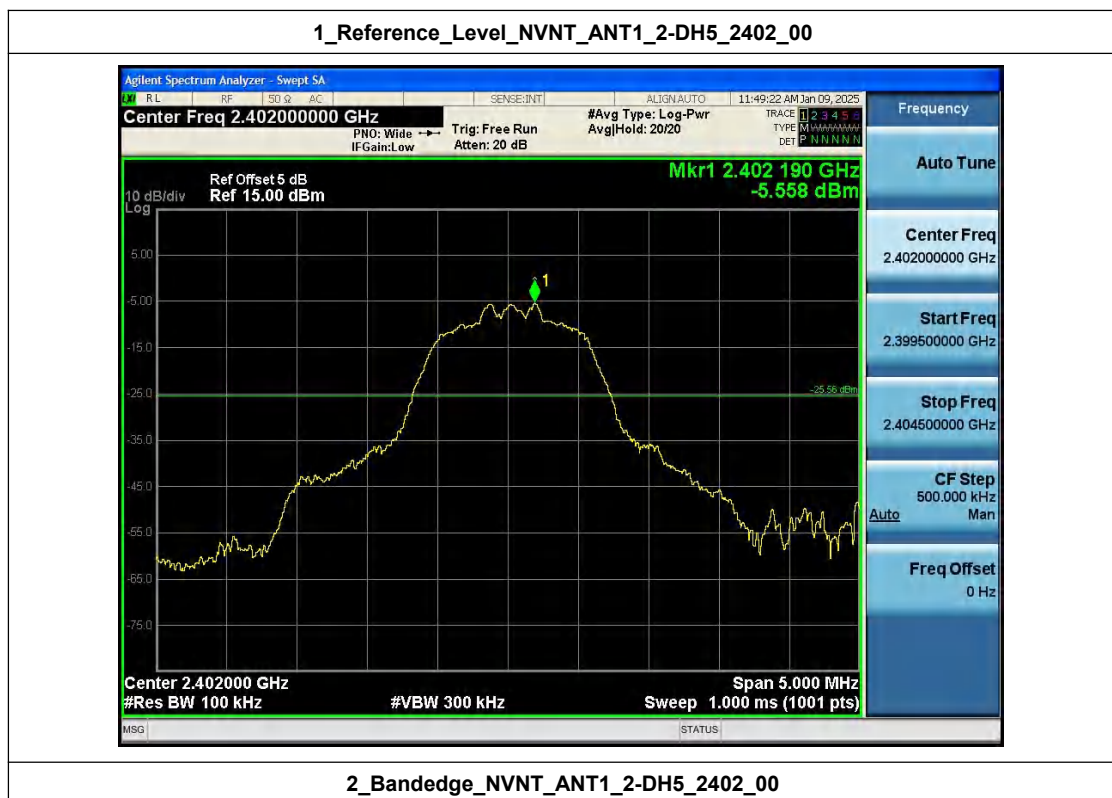
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2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

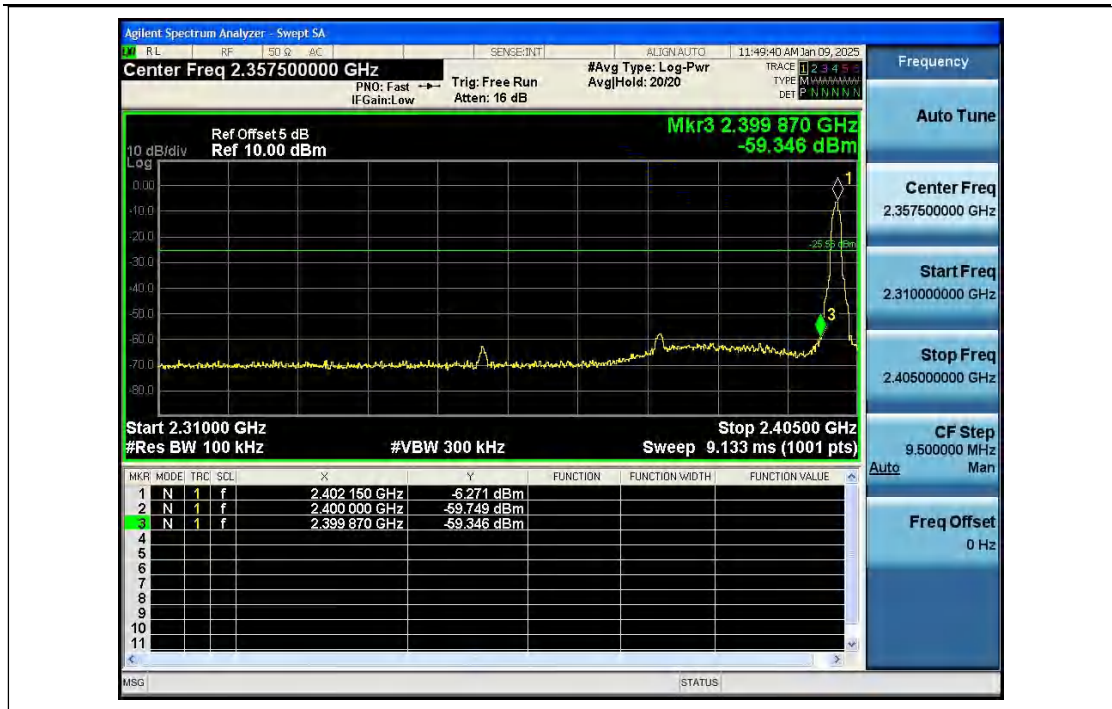


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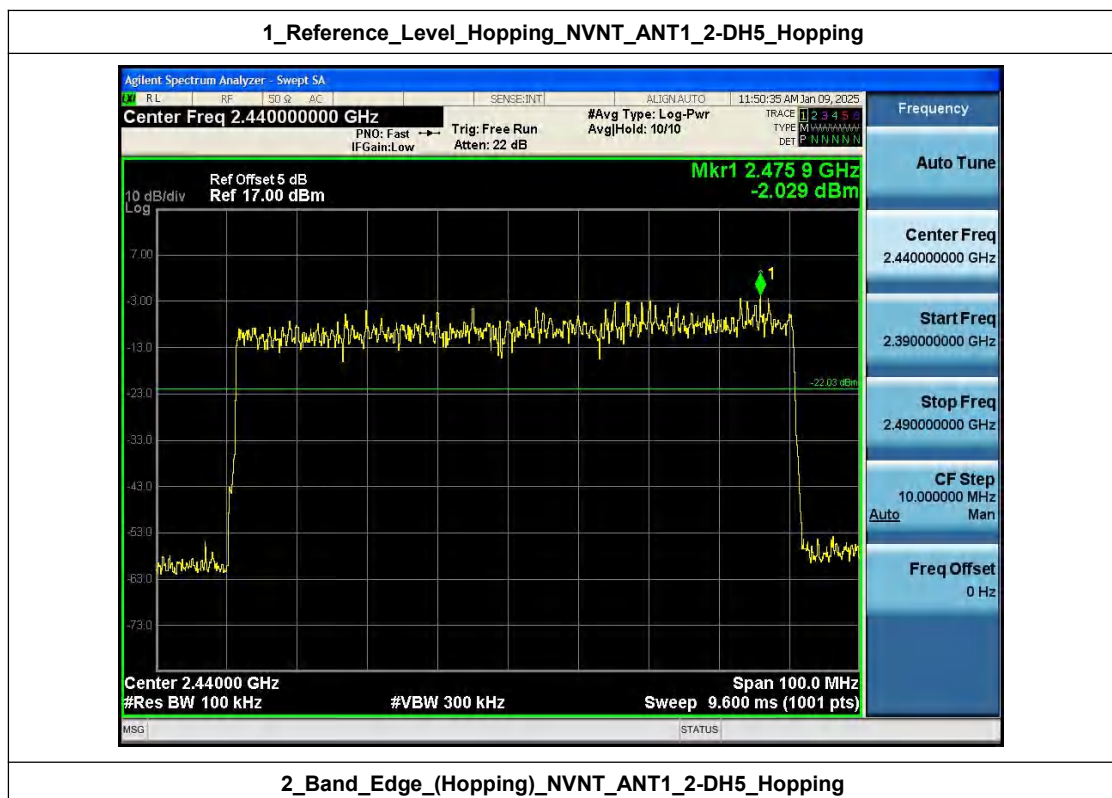
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

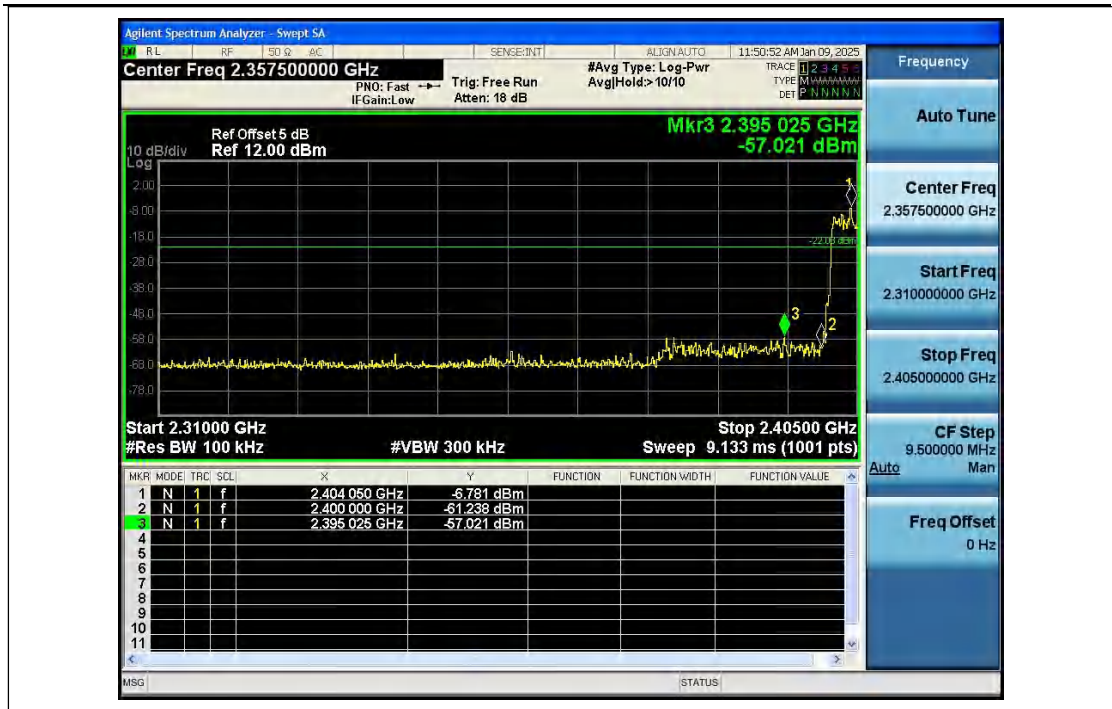
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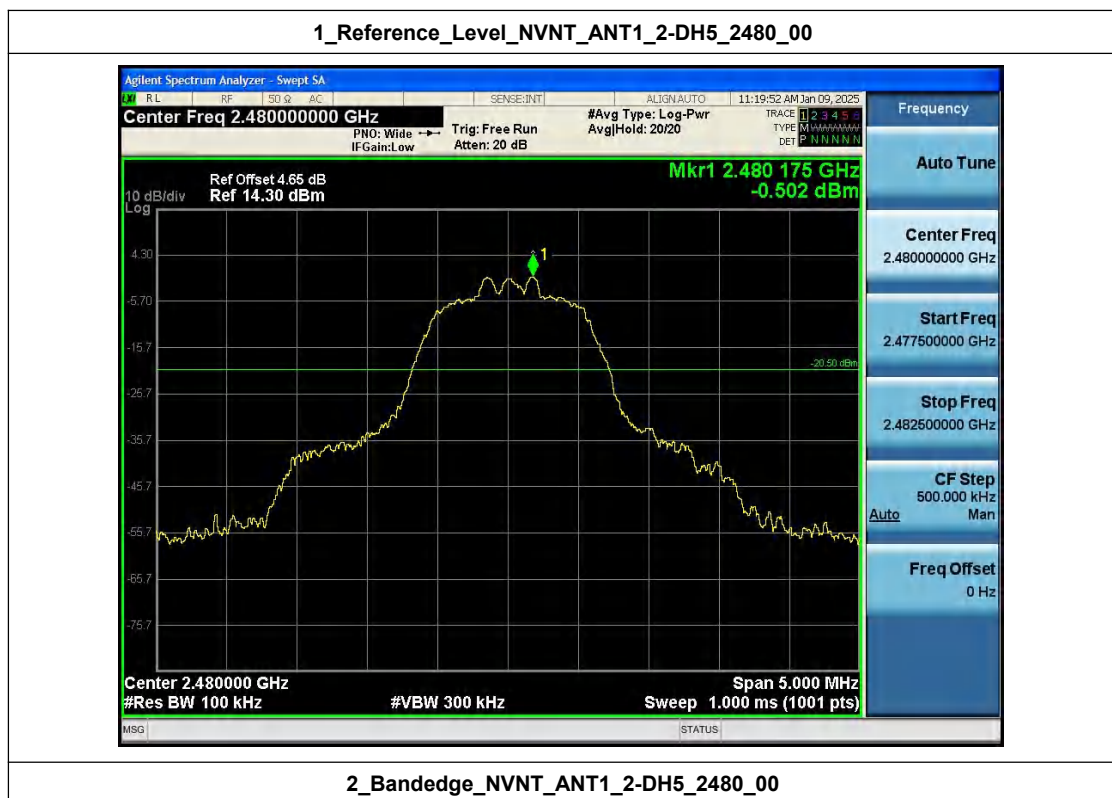
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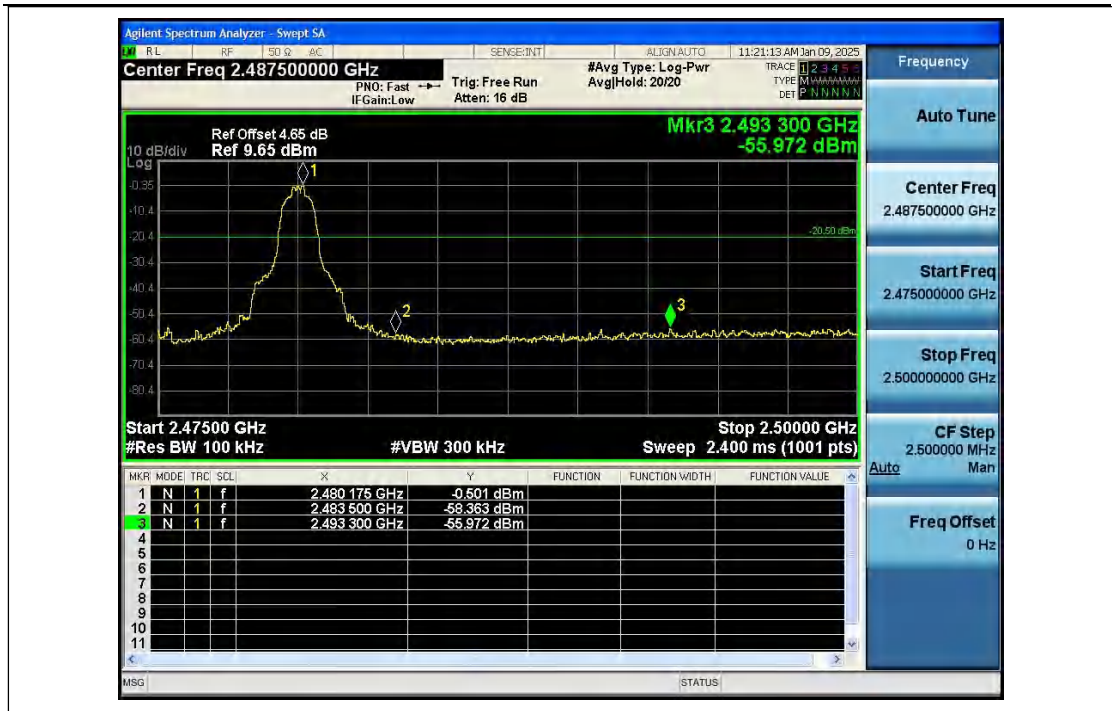
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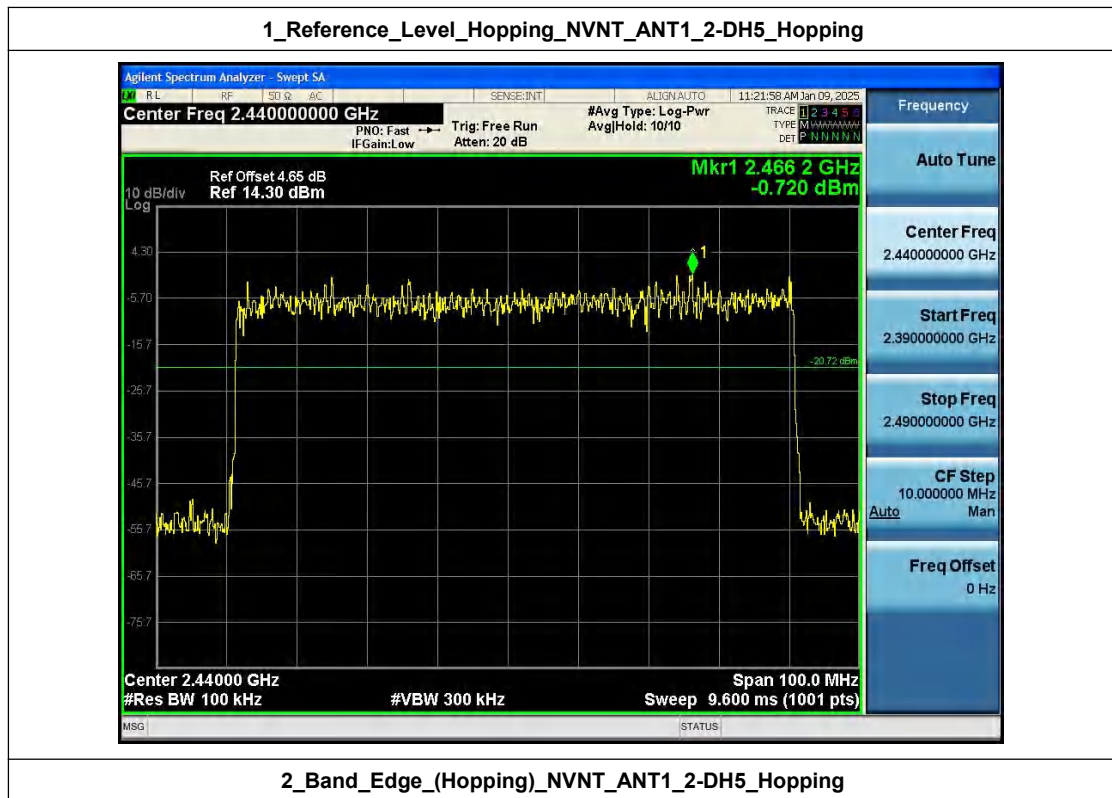
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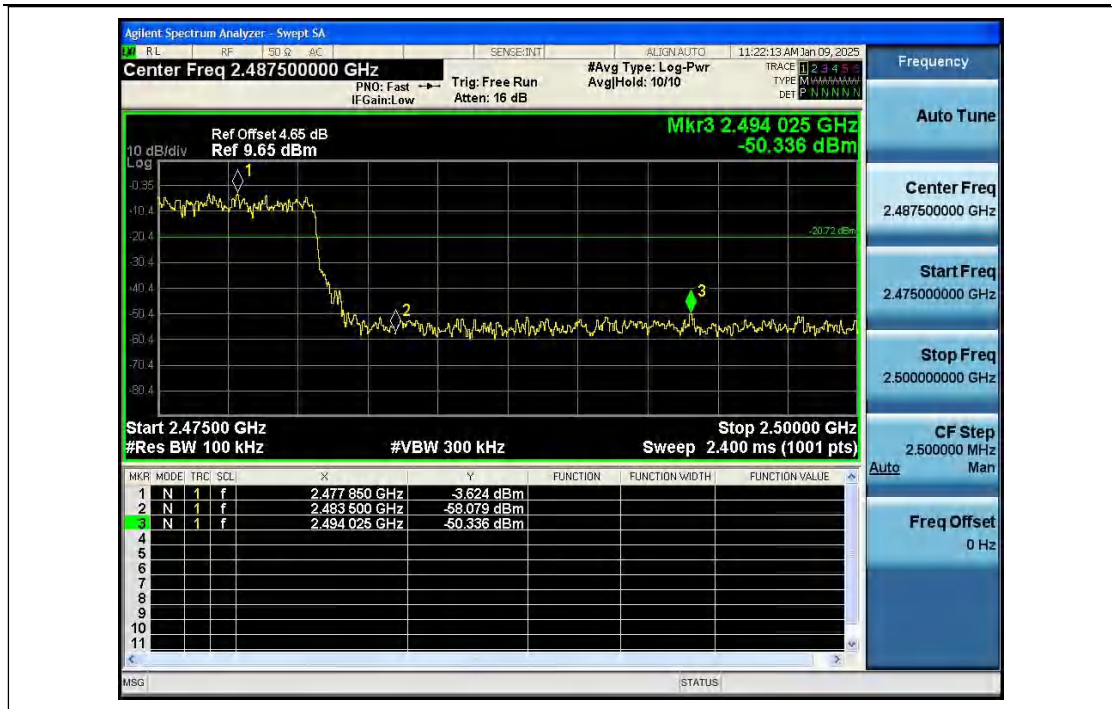
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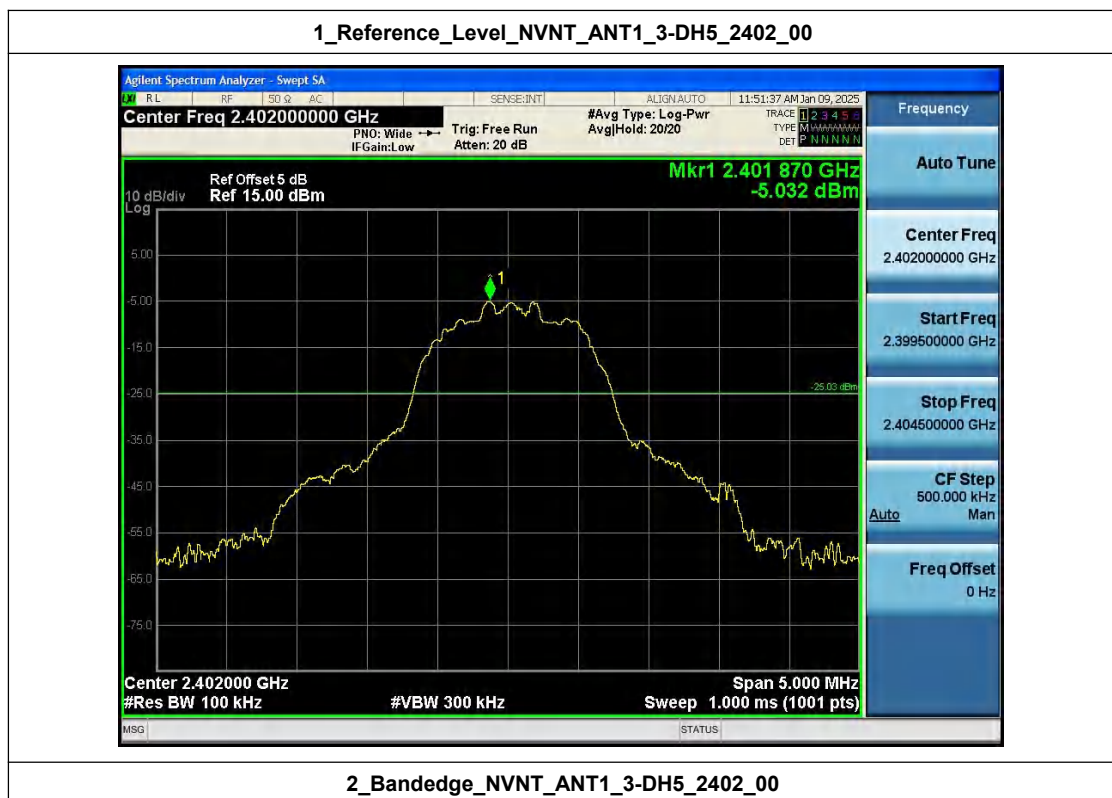
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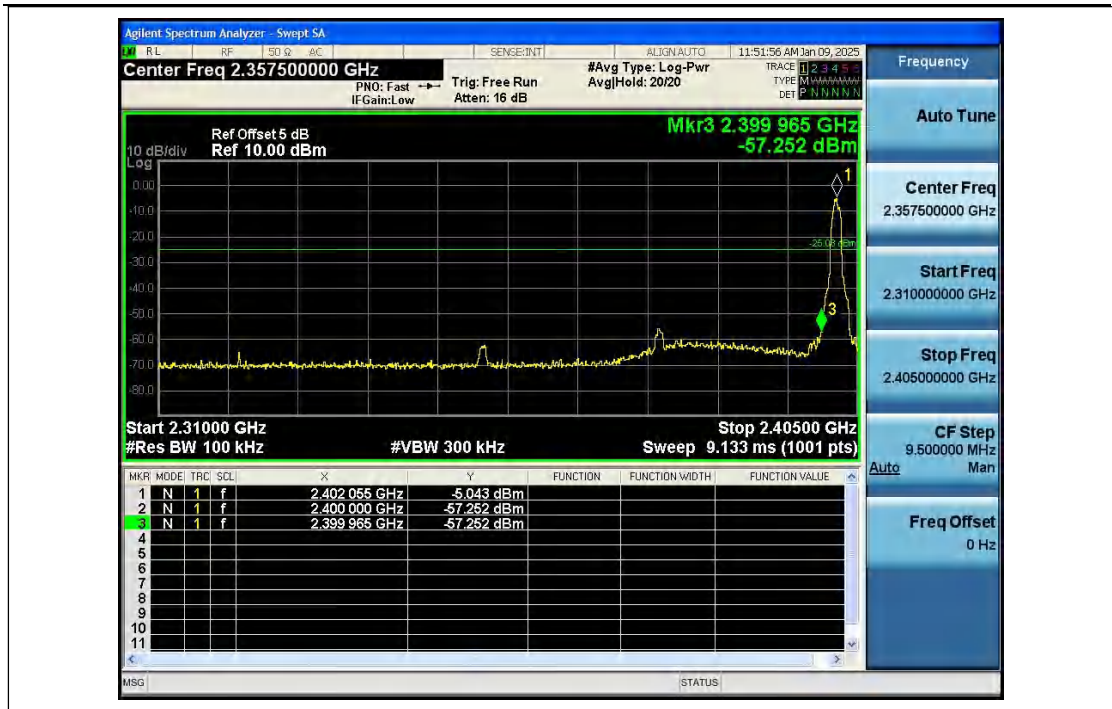
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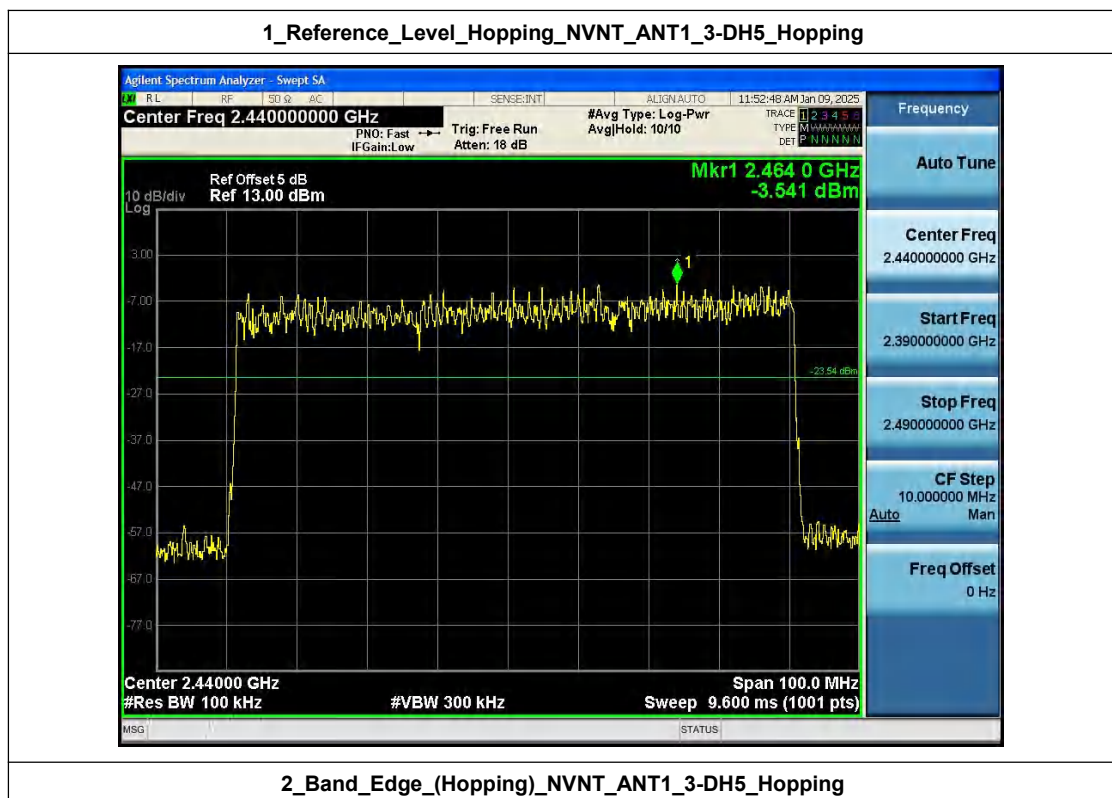
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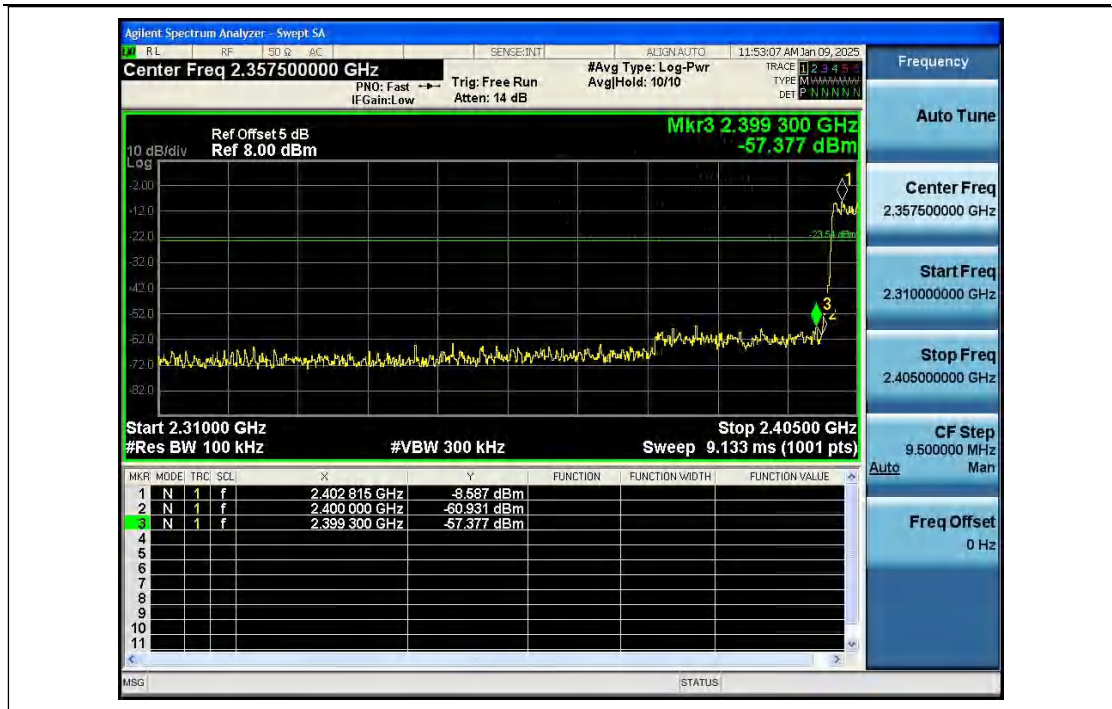
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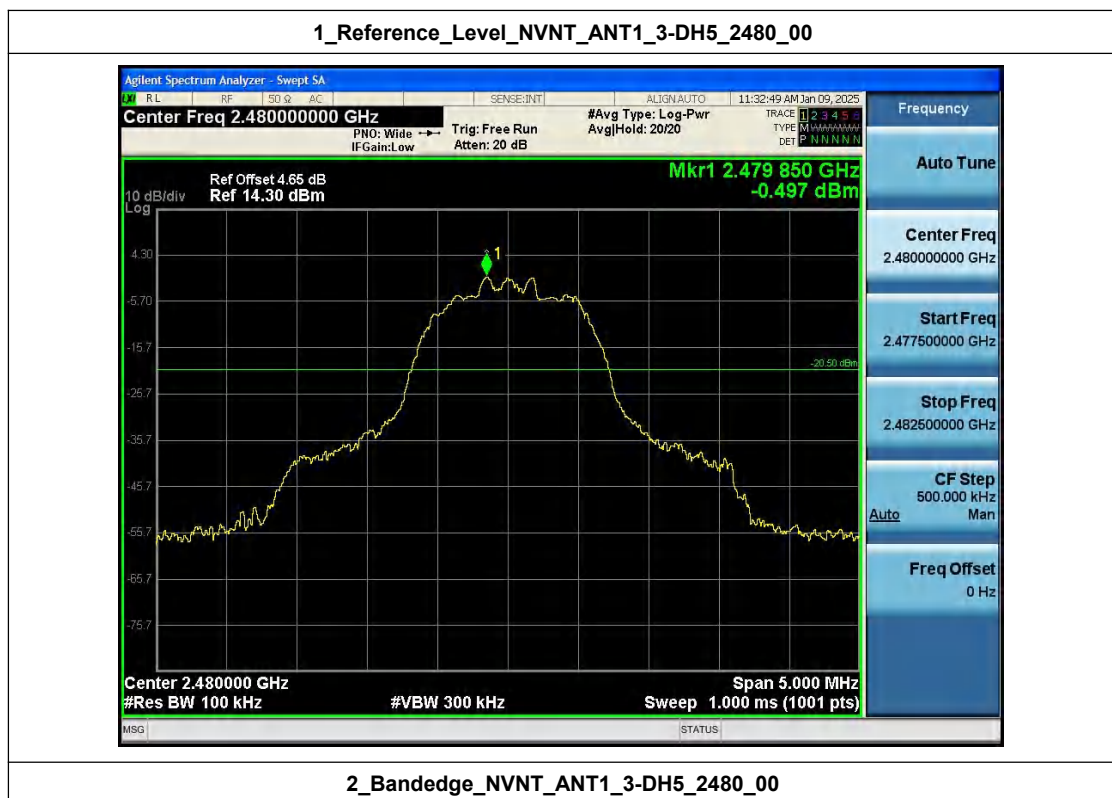
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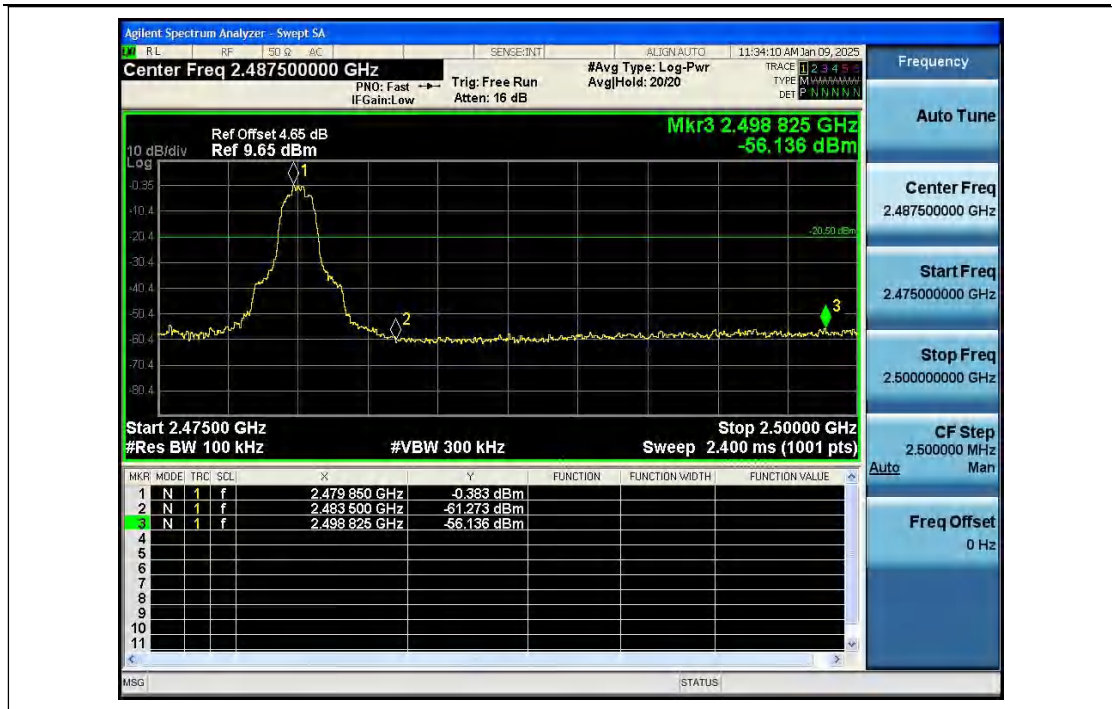
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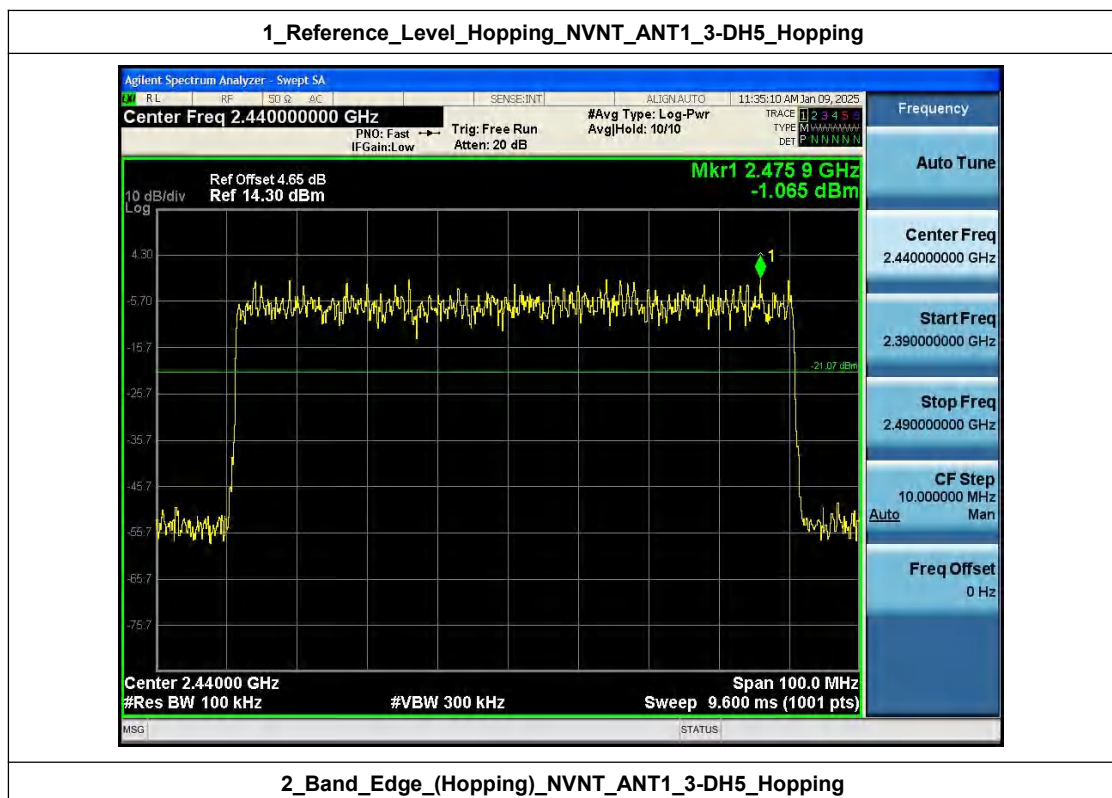
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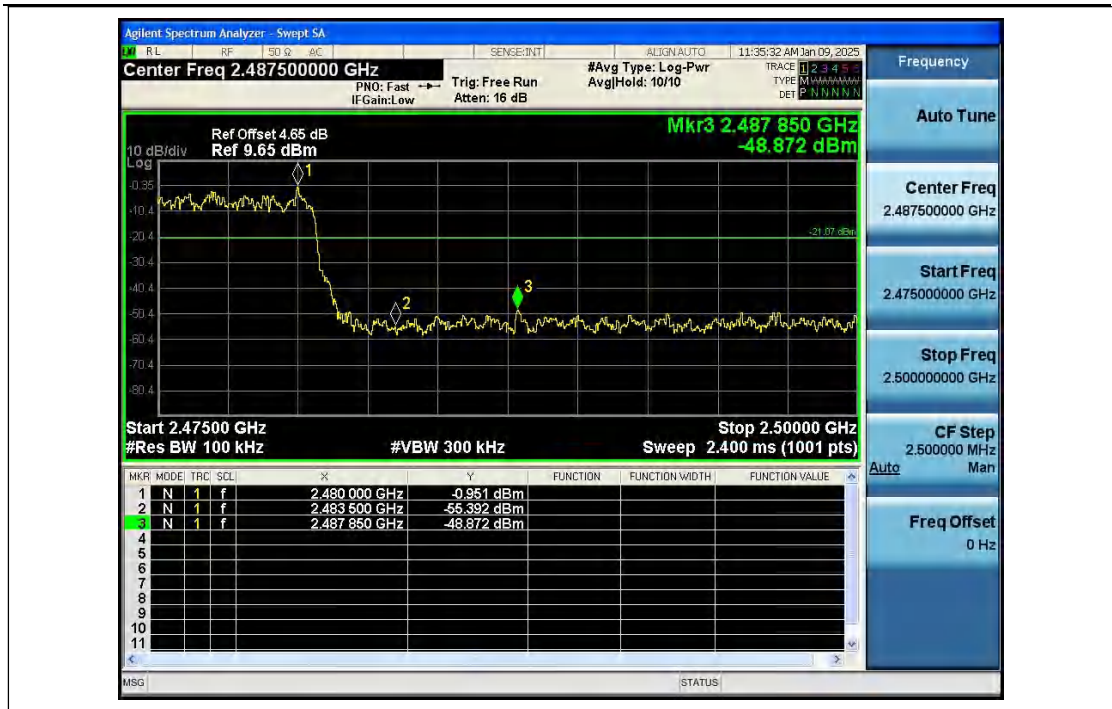
2_Bandedge_NVNT_ANT1_3-DH5_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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Appendix H: 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	2440.864	2441.833	0.97	0.694	Pass
NVNT	ANT1	2-DH5	2441.00	2440.879	2441.875	1.00	0.888	Pass
NVNT	ANT1	3-DH5	2441.00	2440.945	2442.031	1.09	0.872	Pass

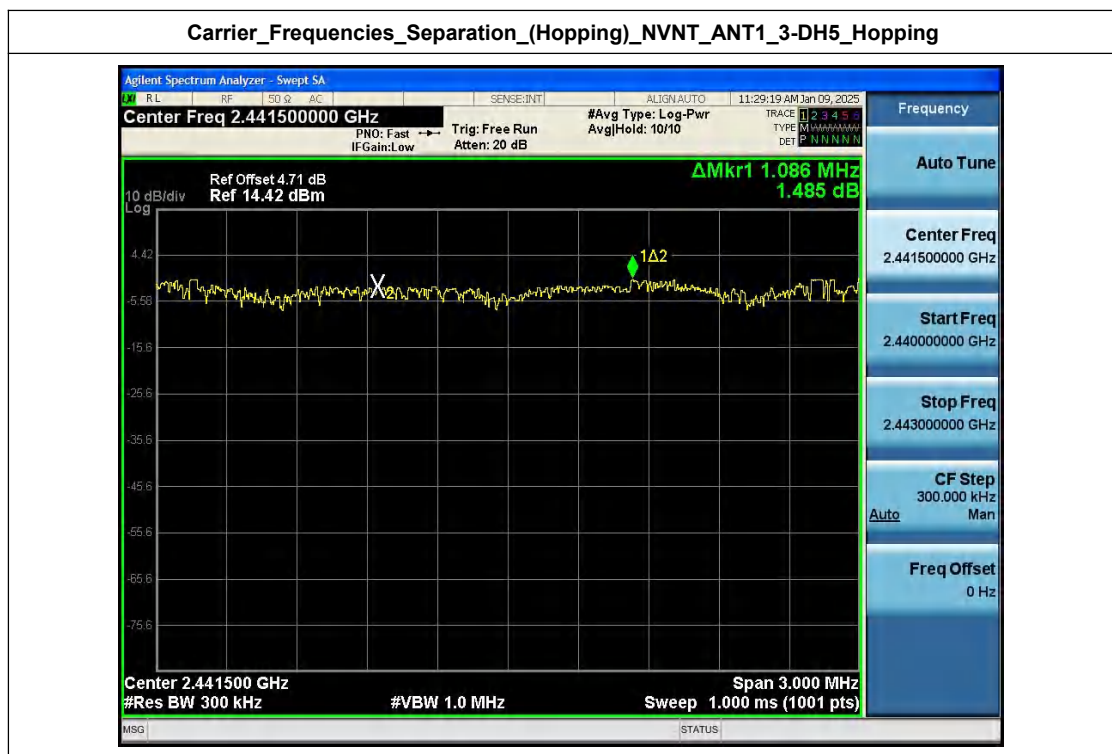
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



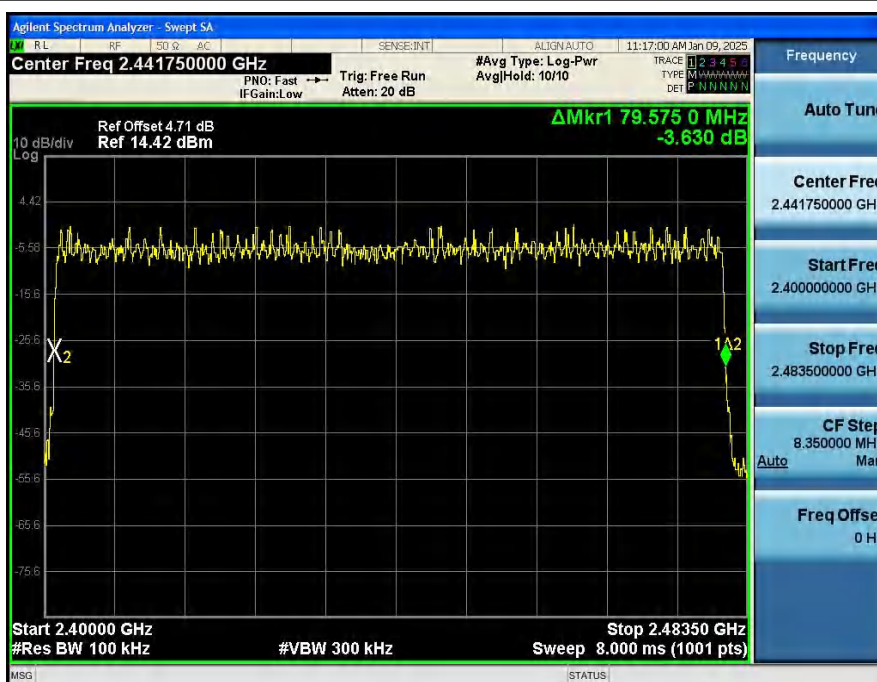
Appendix I: Number of Hopping Channel (Hopping)

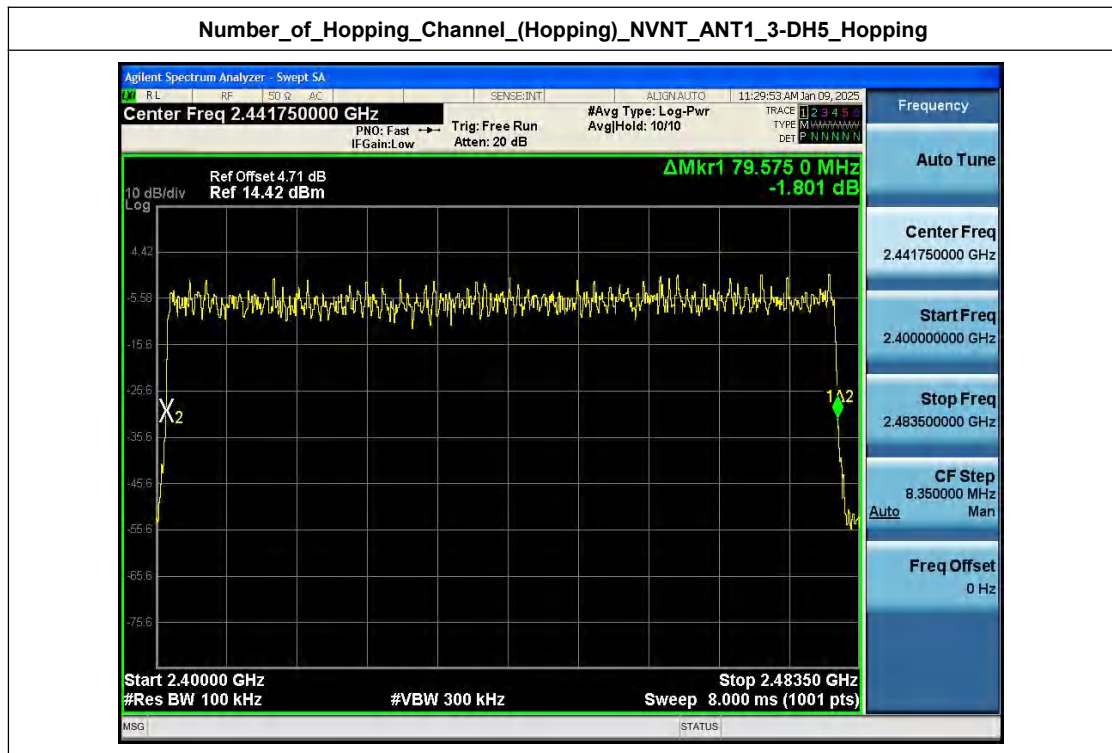
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping





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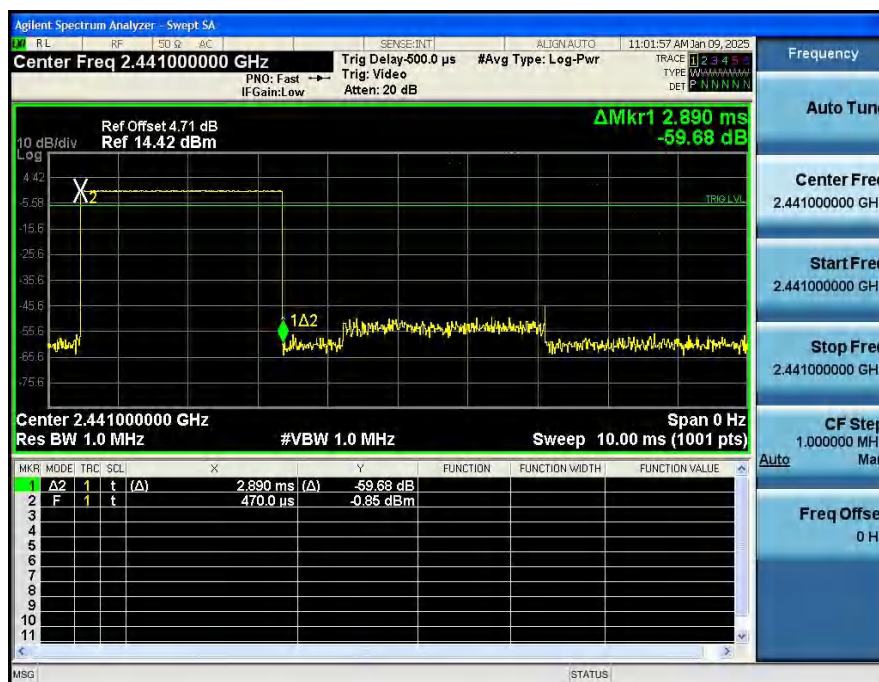
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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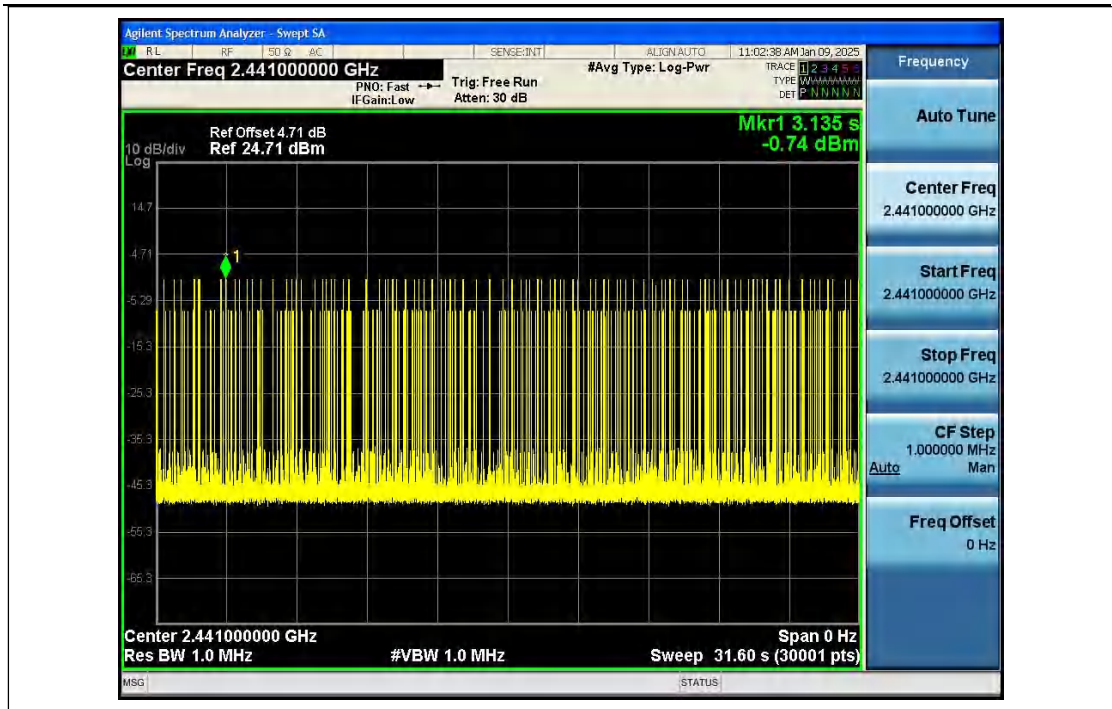
Appendix J: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.890	117.00	338.130	0.40	Pass
NVNT	ANT1	2-DH5	2.900	114.00	330.600	0.40	Pass
NVNT	ANT1	3-DH5	2.900	114.00	330.600	0.40	Pass
NVNT	ANT1	1-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	1-DH3	1.650	163.00	268.950	0.40	Pass
NVNT	ANT1	2-DH1	0.400	319.00	127.600	0.40	Pass
NVNT	ANT1	2-DH3	1.650	163.00	268.950	0.40	Pass
NVNT	ANT1	3-DH1	0.400	318.00	127.200	0.40	Pass
NVNT	ANT1	3-DH3	1.650	154.00	254.100	0.40	Pass

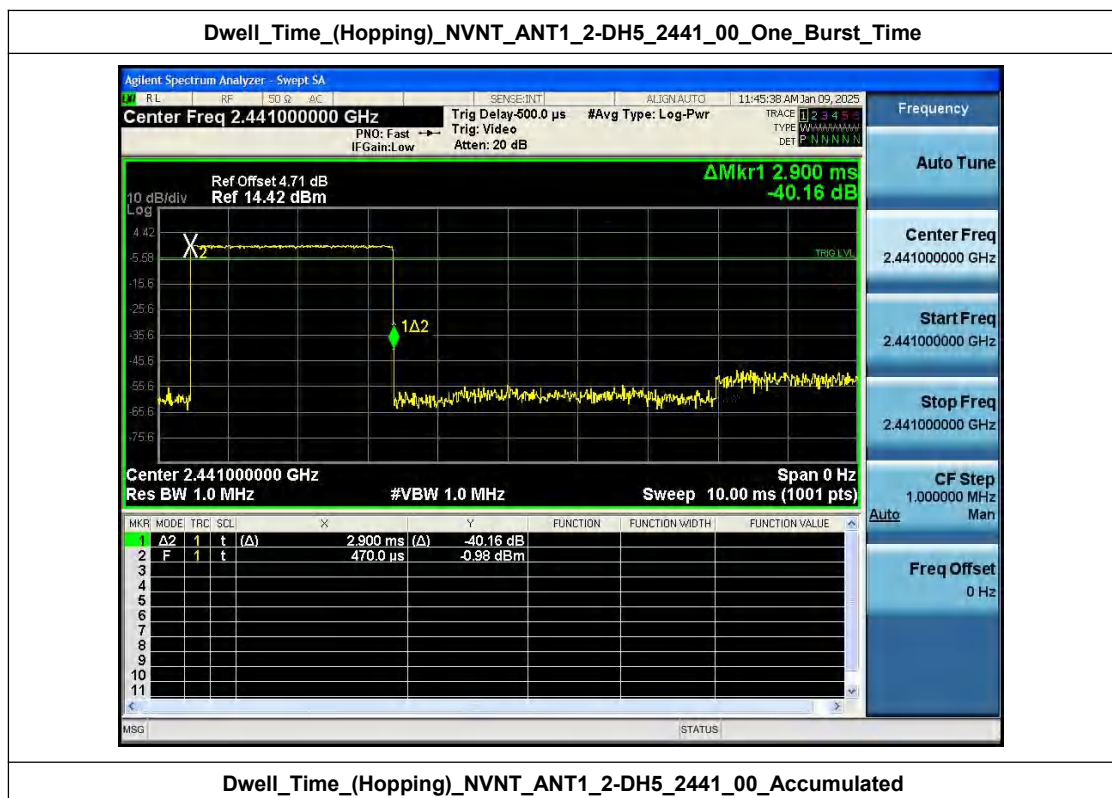
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



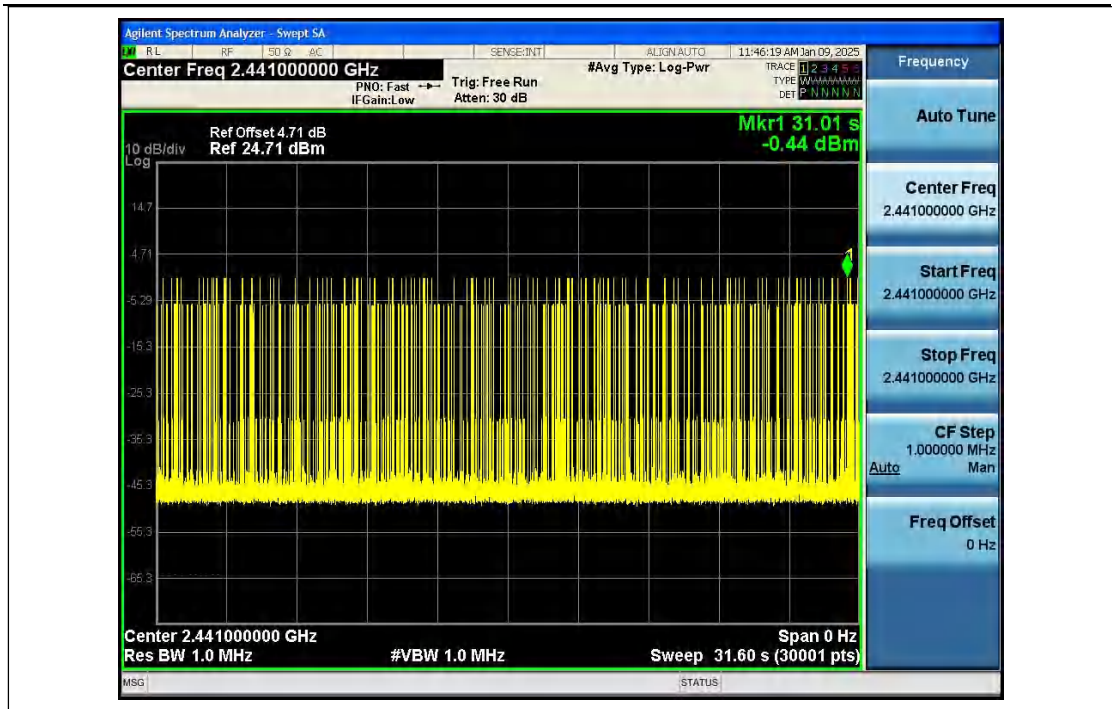
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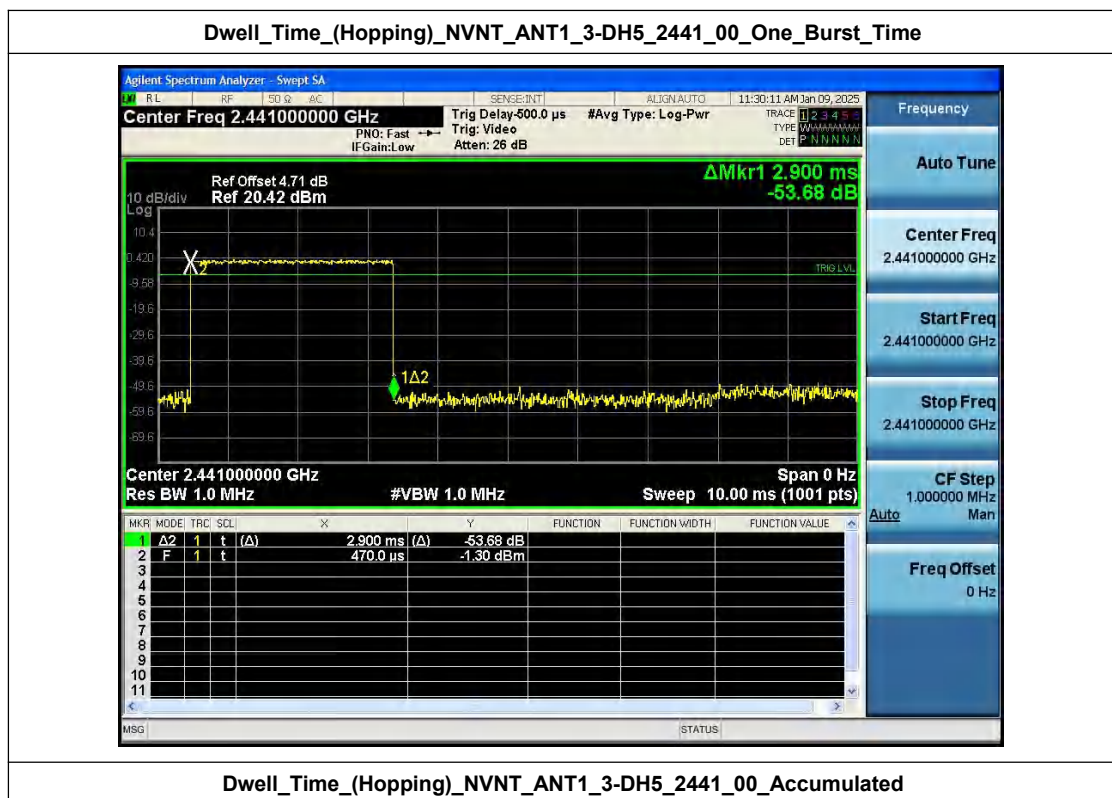
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



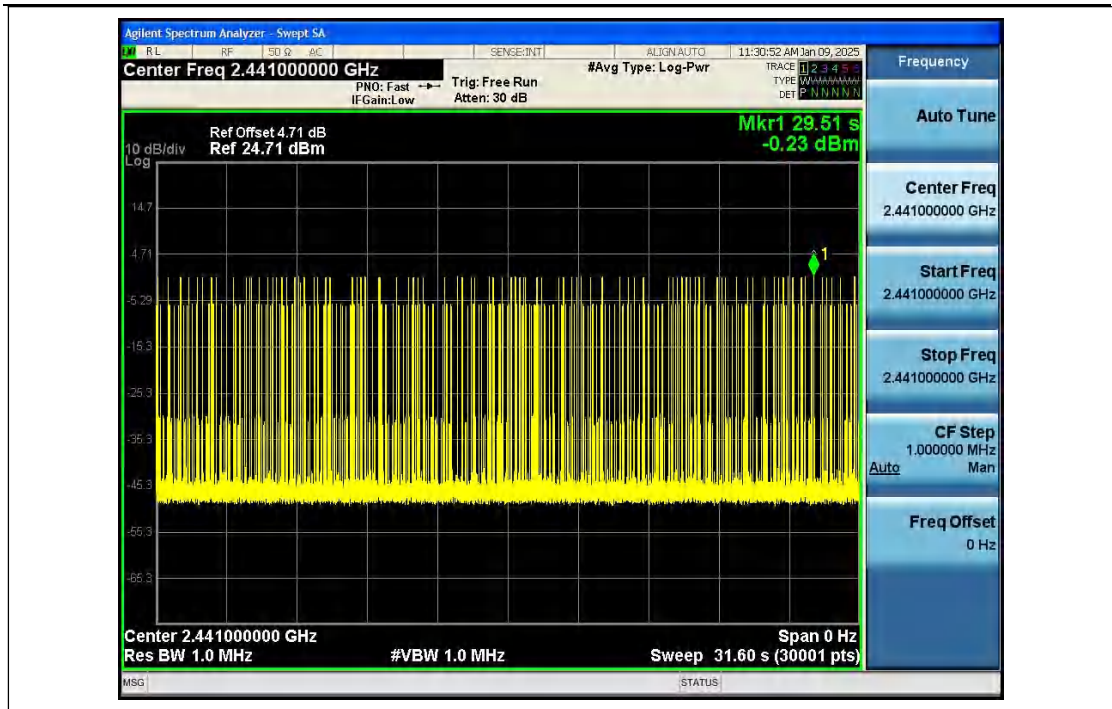
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



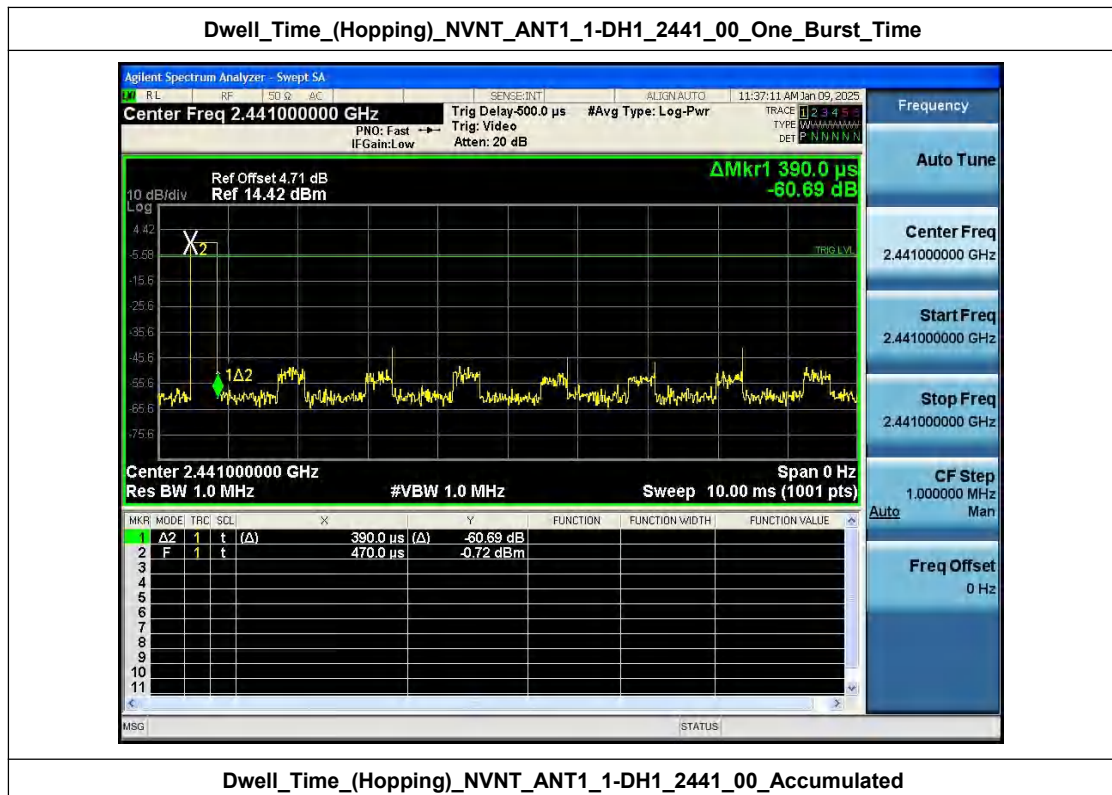
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated

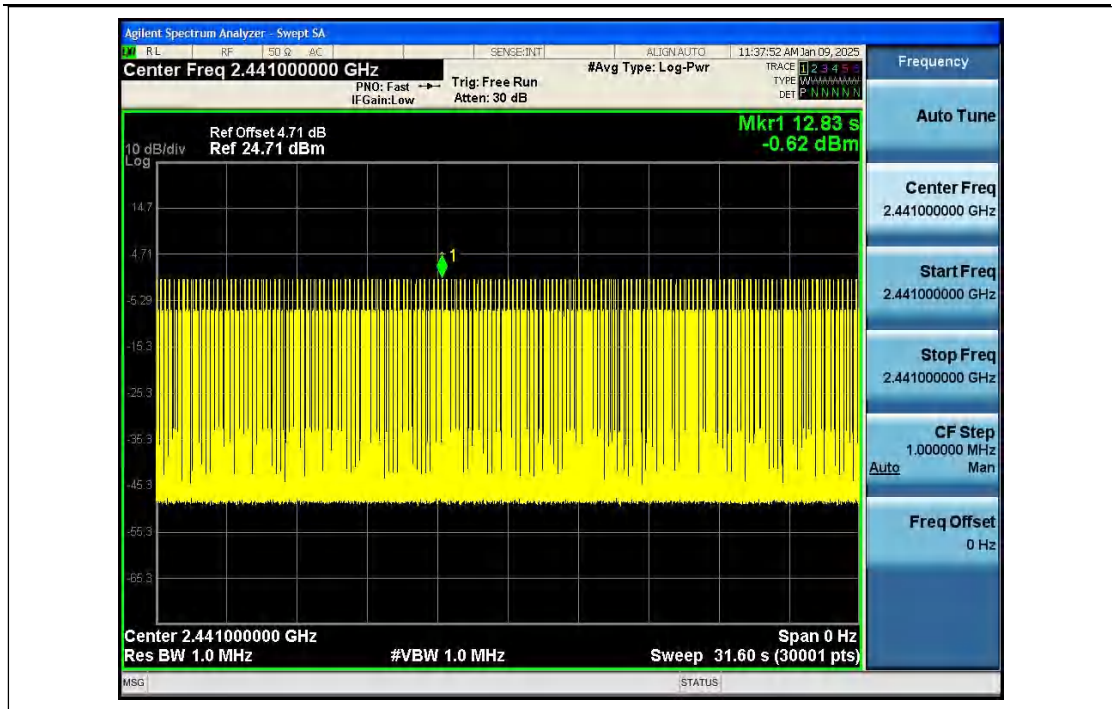


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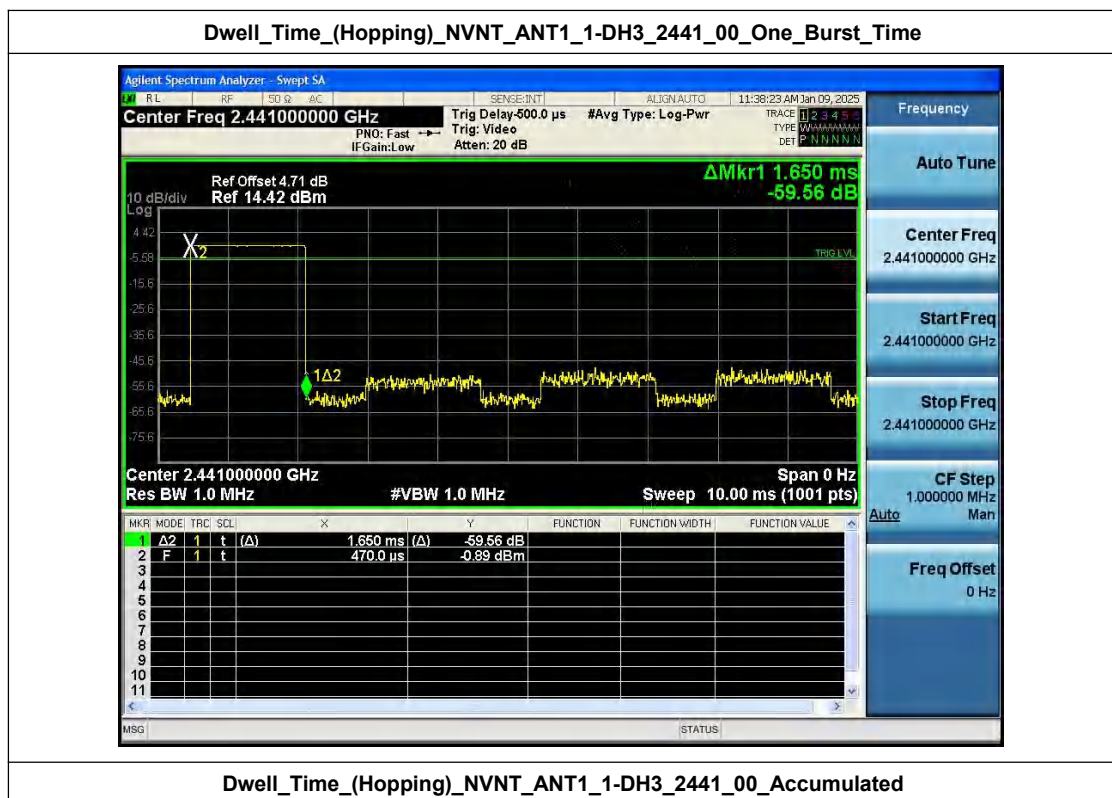


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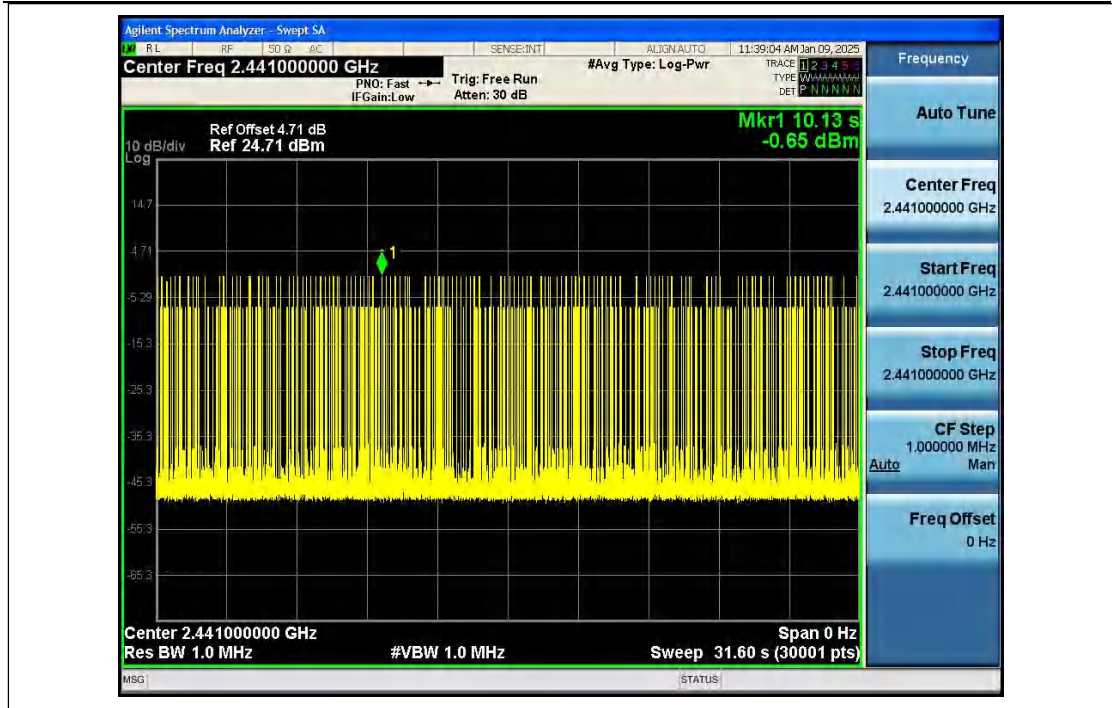




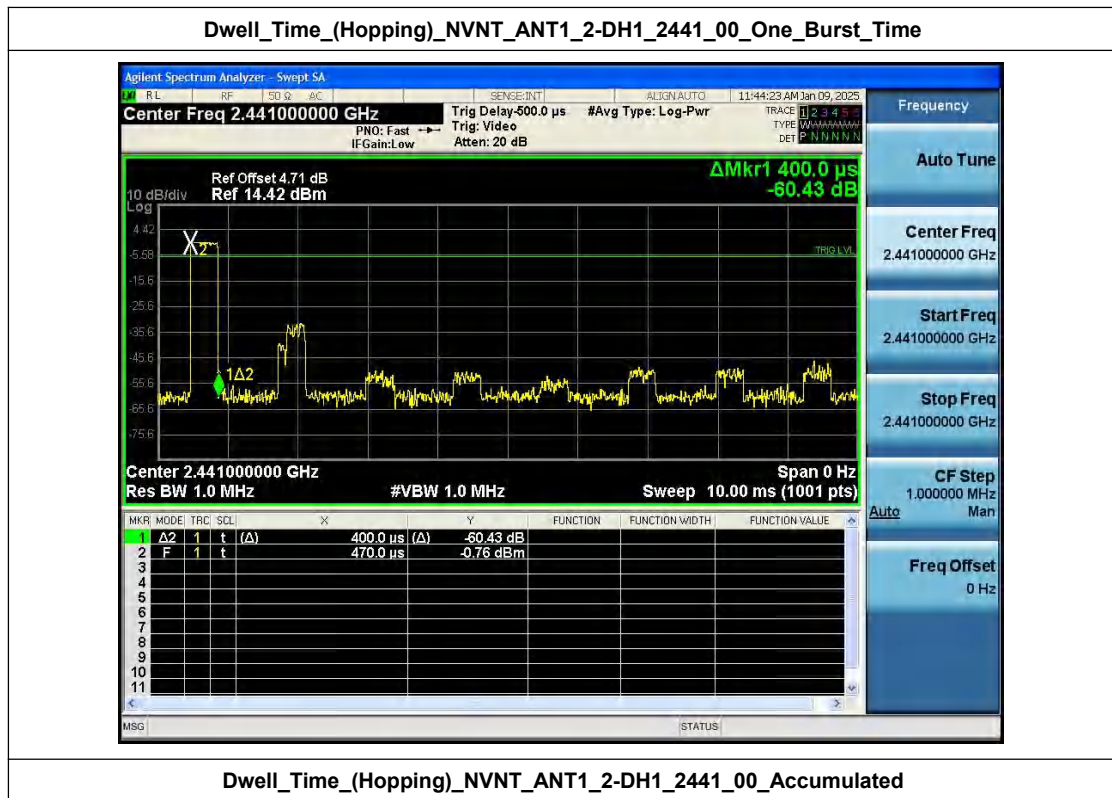
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Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated

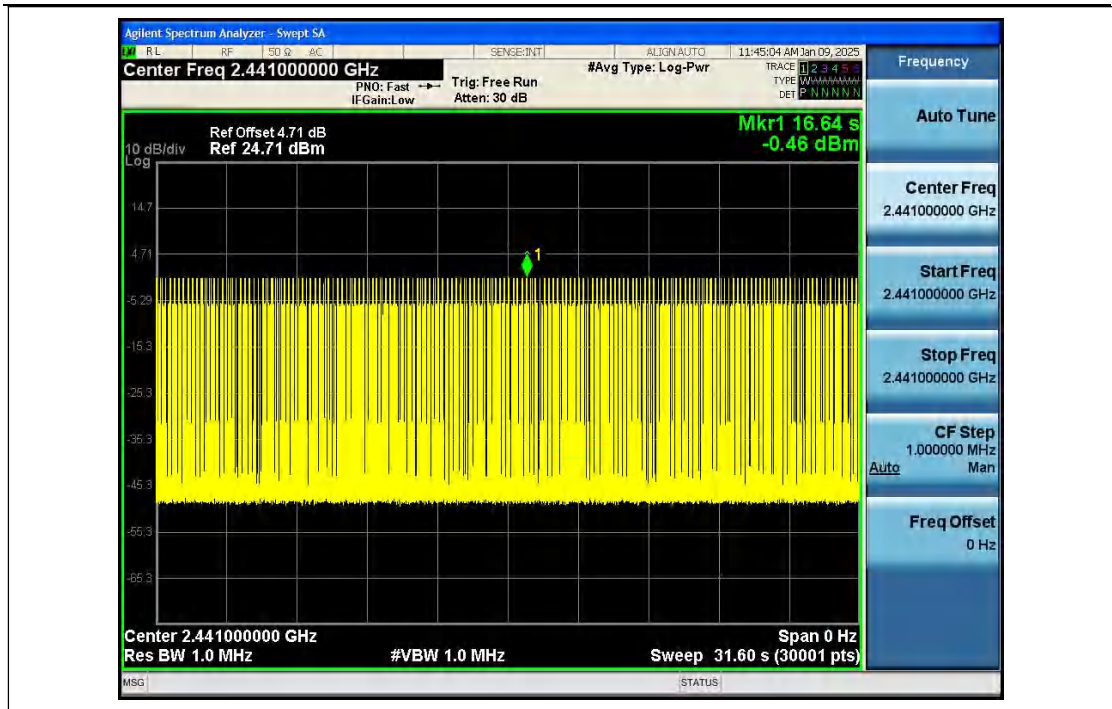


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time

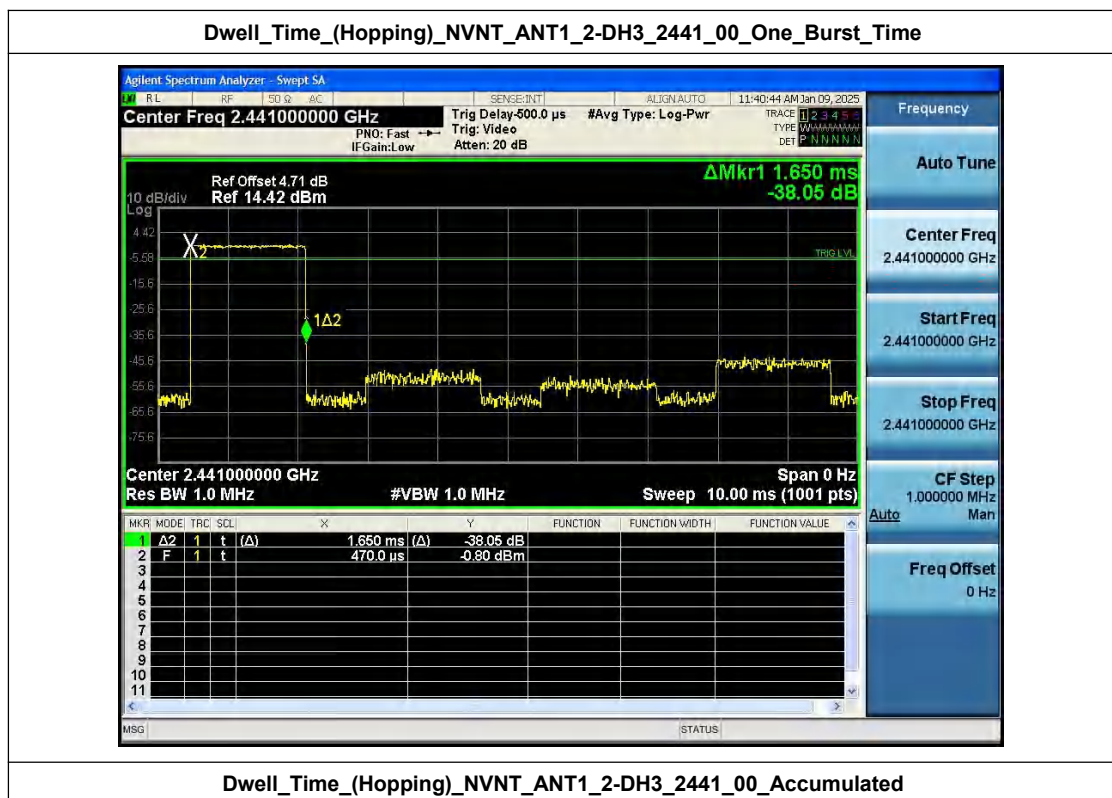


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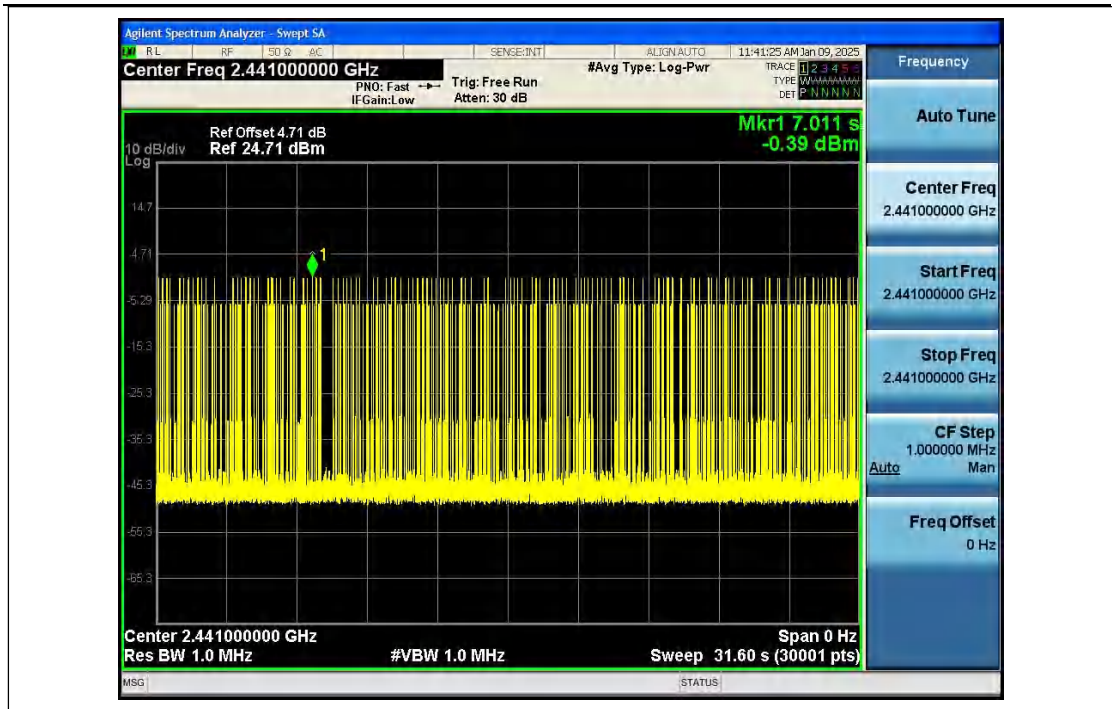




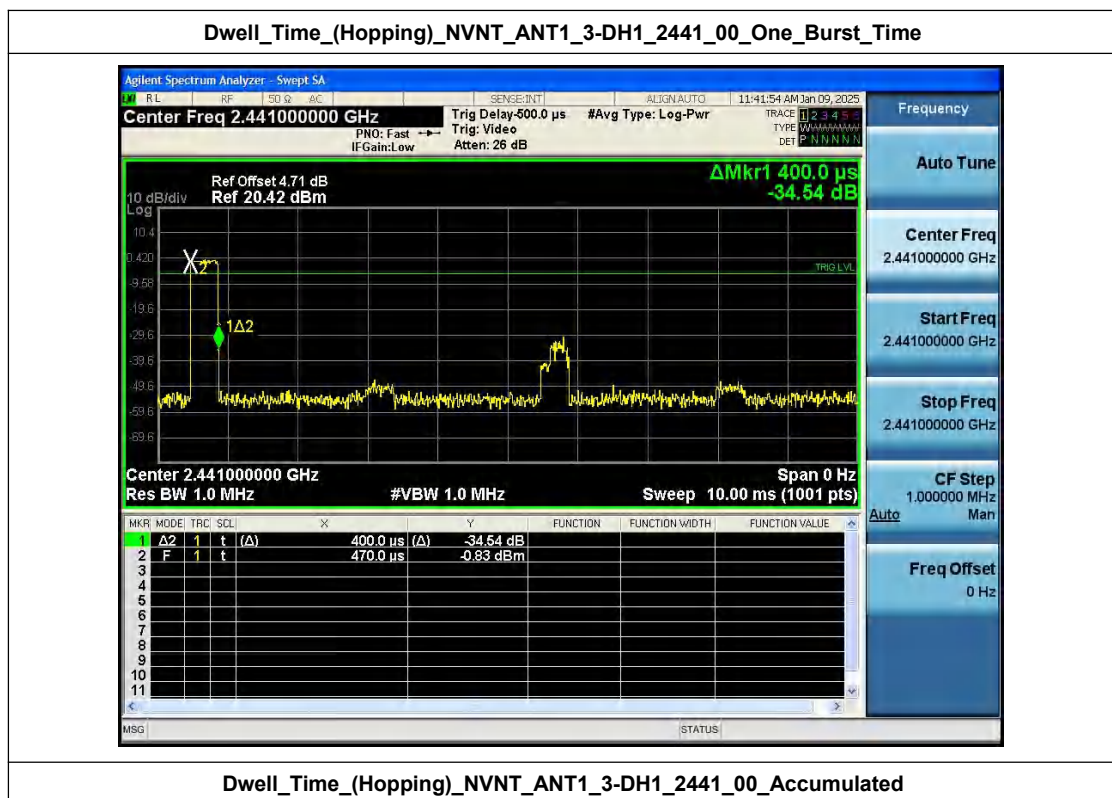
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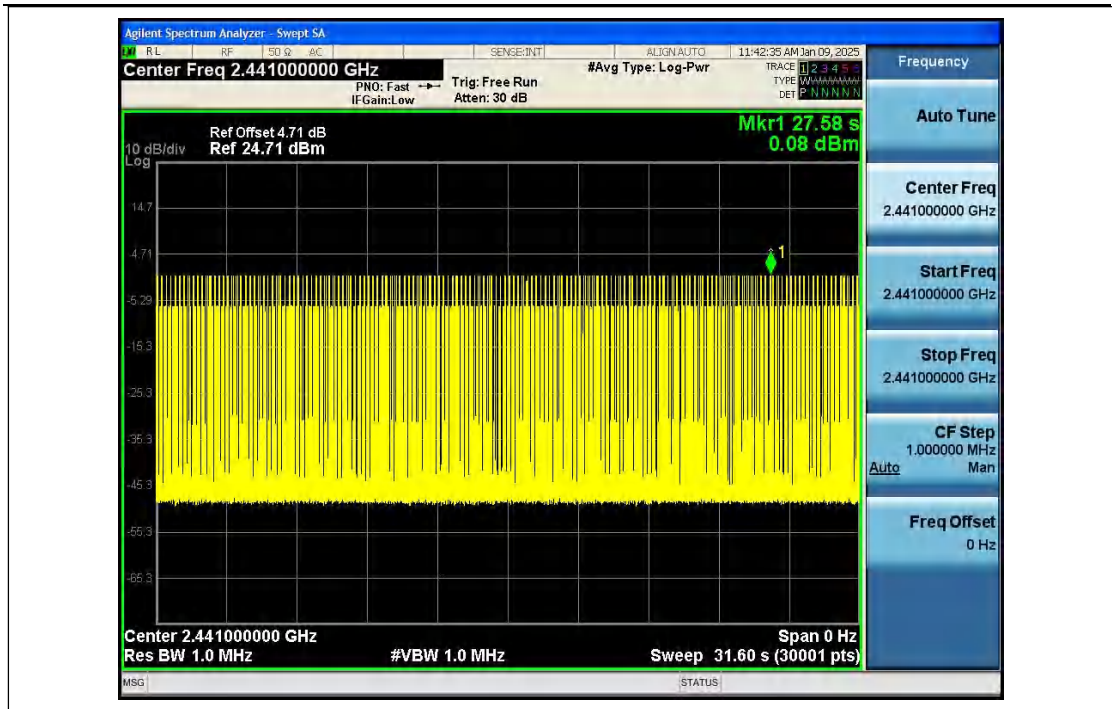
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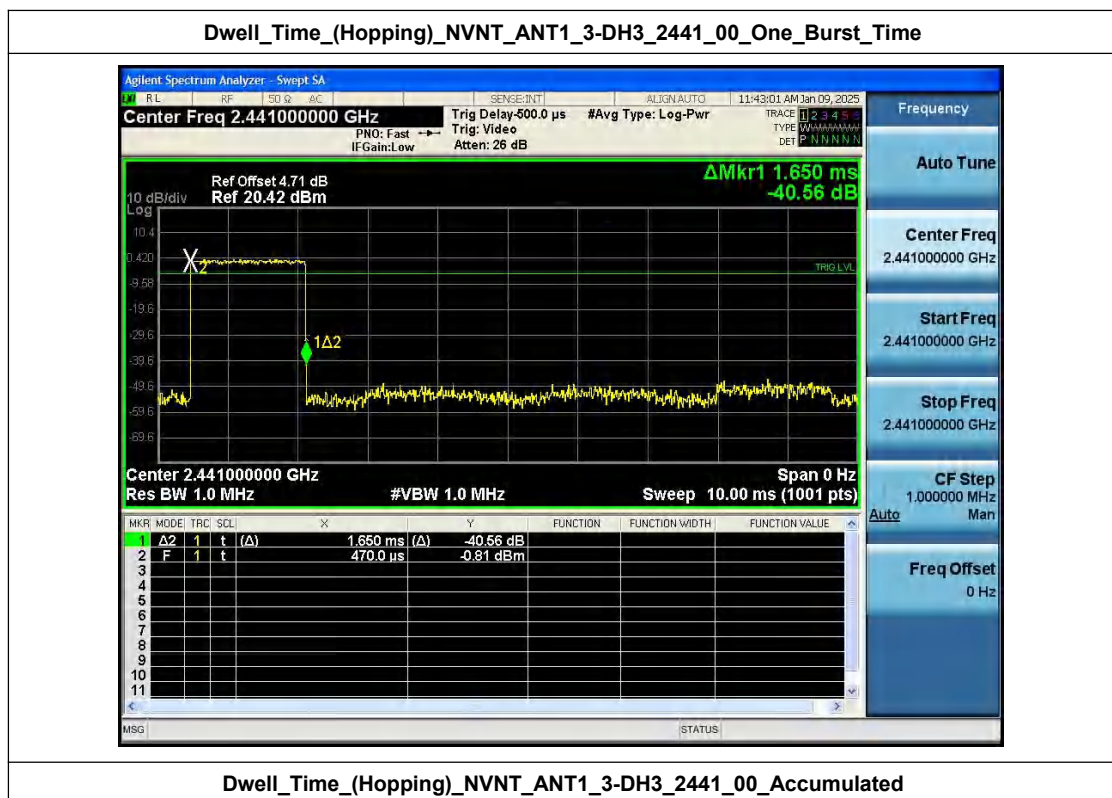
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



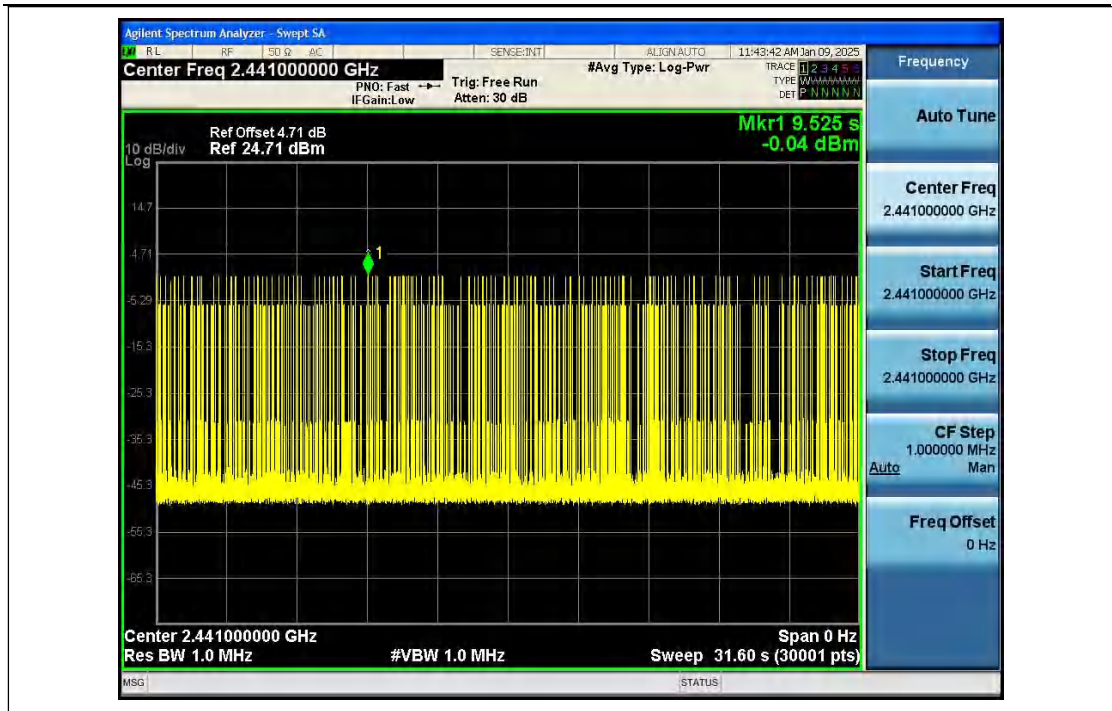
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



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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