

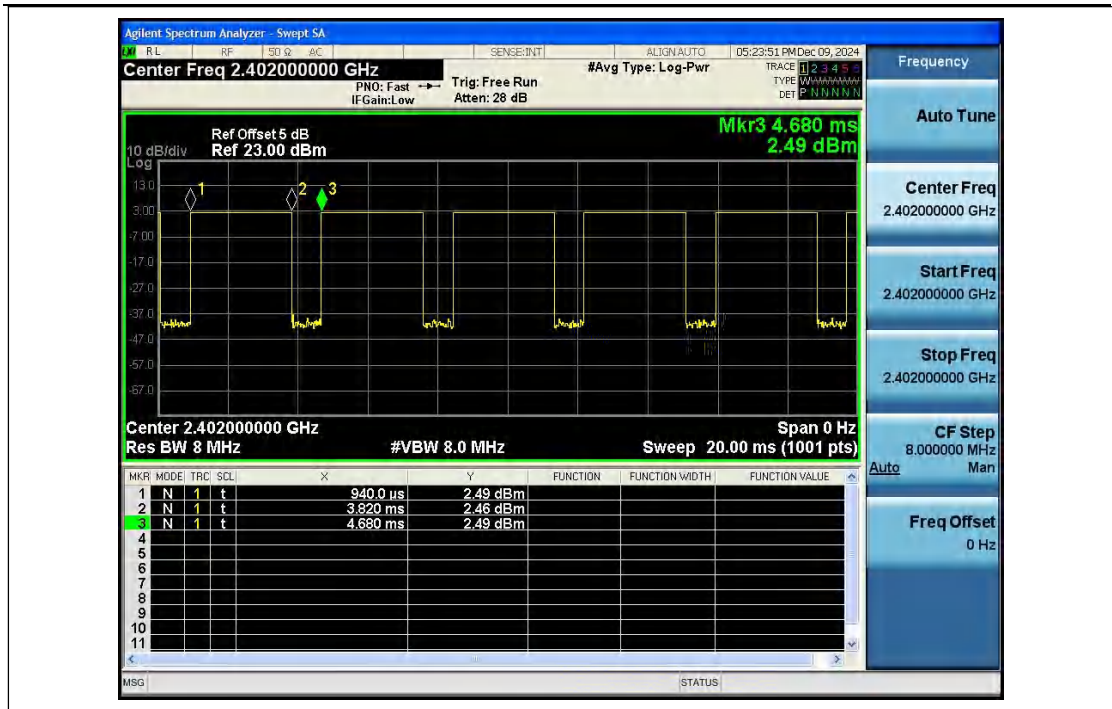
Appendix Test Data

Report No.:	1812C40172212501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.06	Finish Test Date:	2024.12.09
Test Engineer:	<i>Foker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.3°C	Relative Humidity:	54%
Pressure:	101kPa		

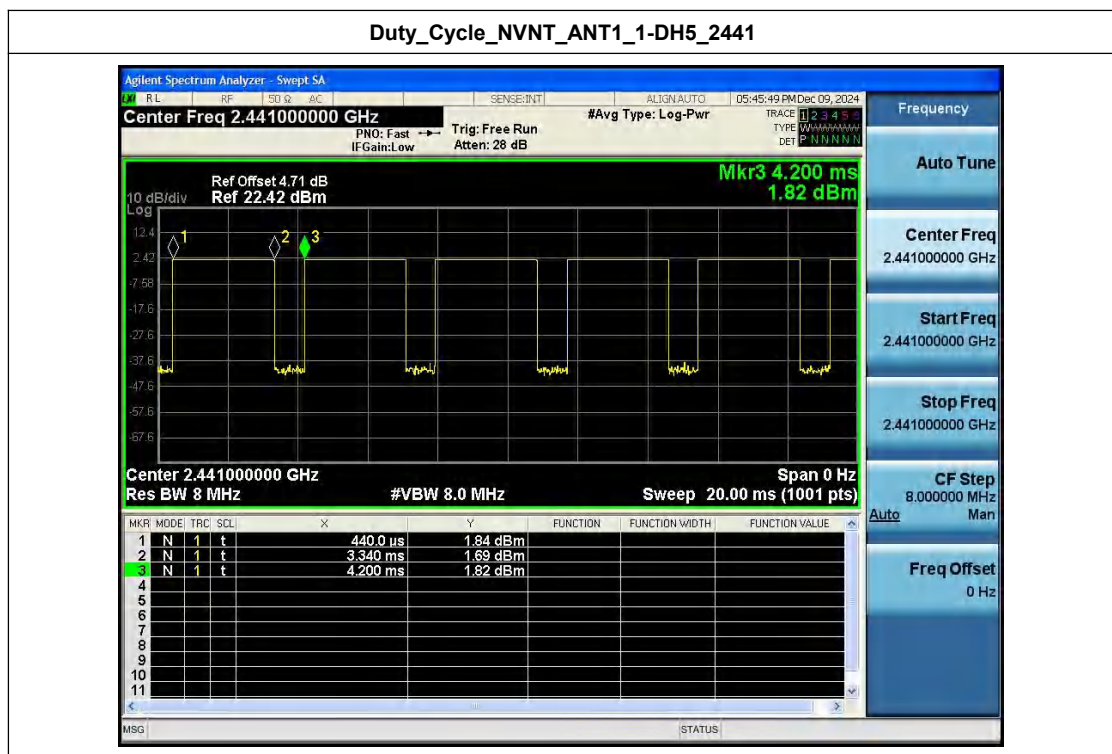
Appendix A: Duty Cycle

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

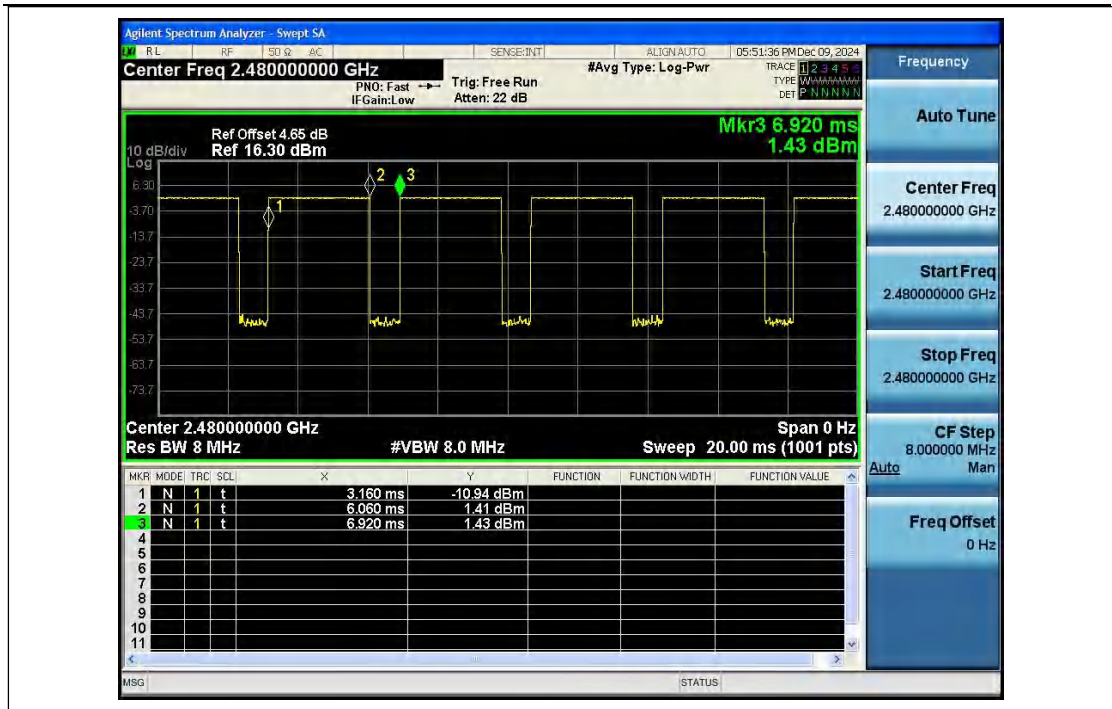
Duty_Cycle_NVNT_ANT1_1-DH5_2402



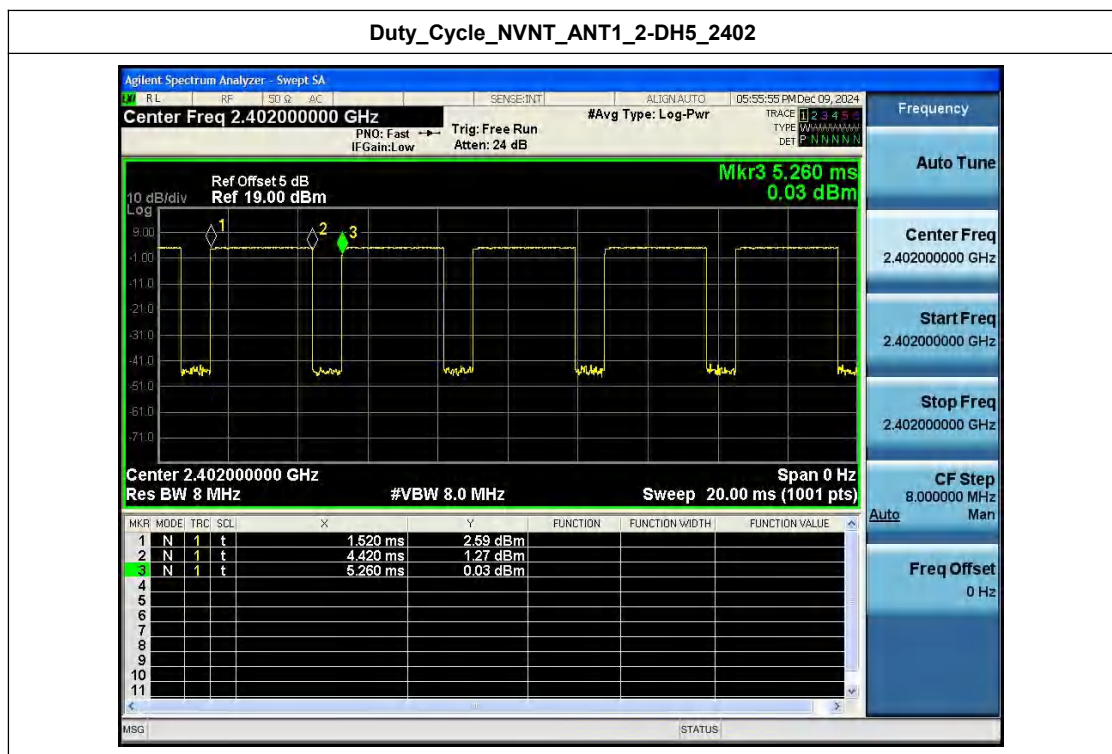
Duty_Cycle_NVNT_ANT1_1-DH5_2441



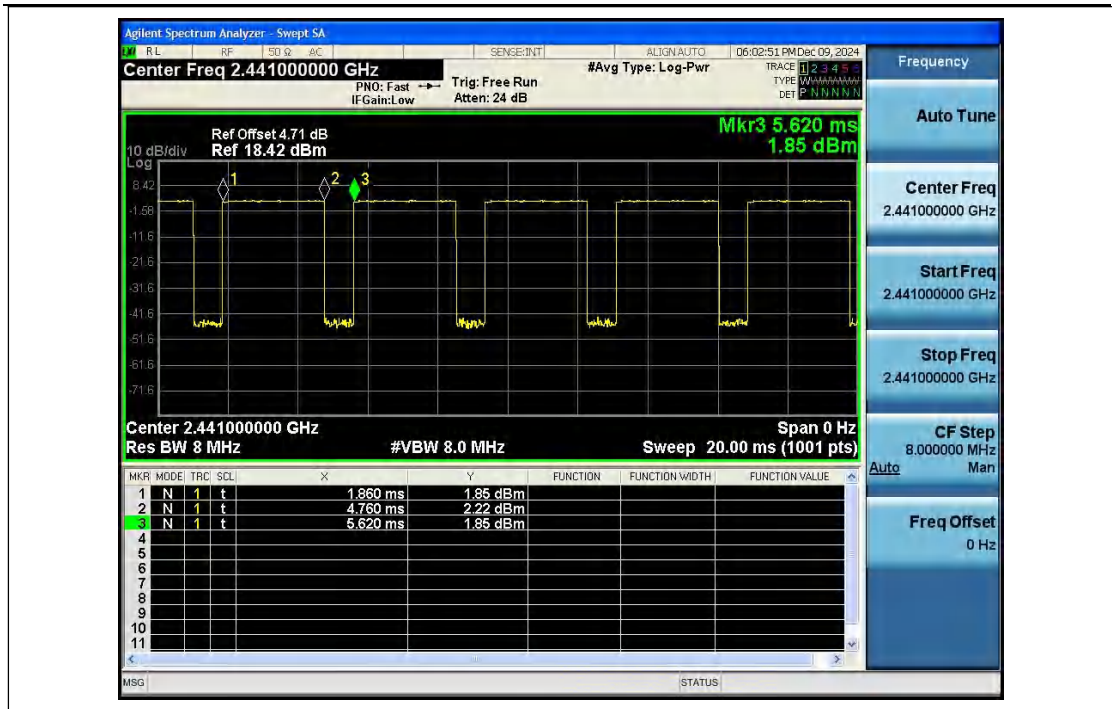
Duty_Cycle_NVNT_ANT1_1-DH5_2480



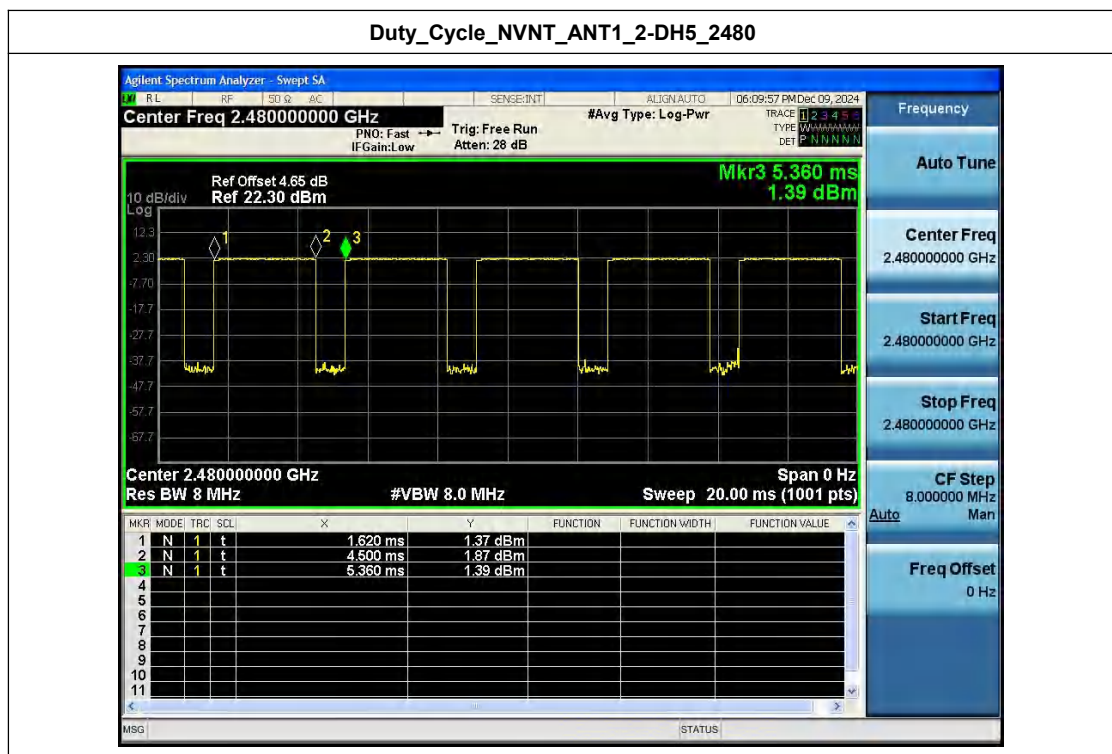
Duty_Cycle_NVNT_ANT1_2-DH5_2402



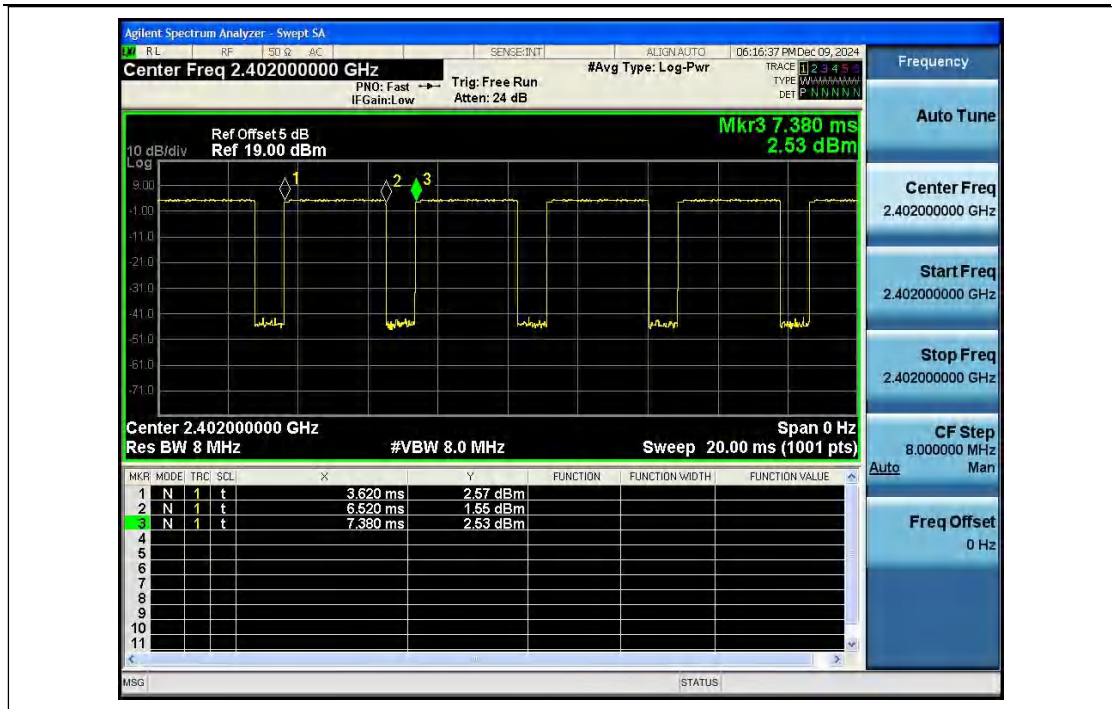
Duty_Cycle_NVNT_ANT1_2-DH5_2441



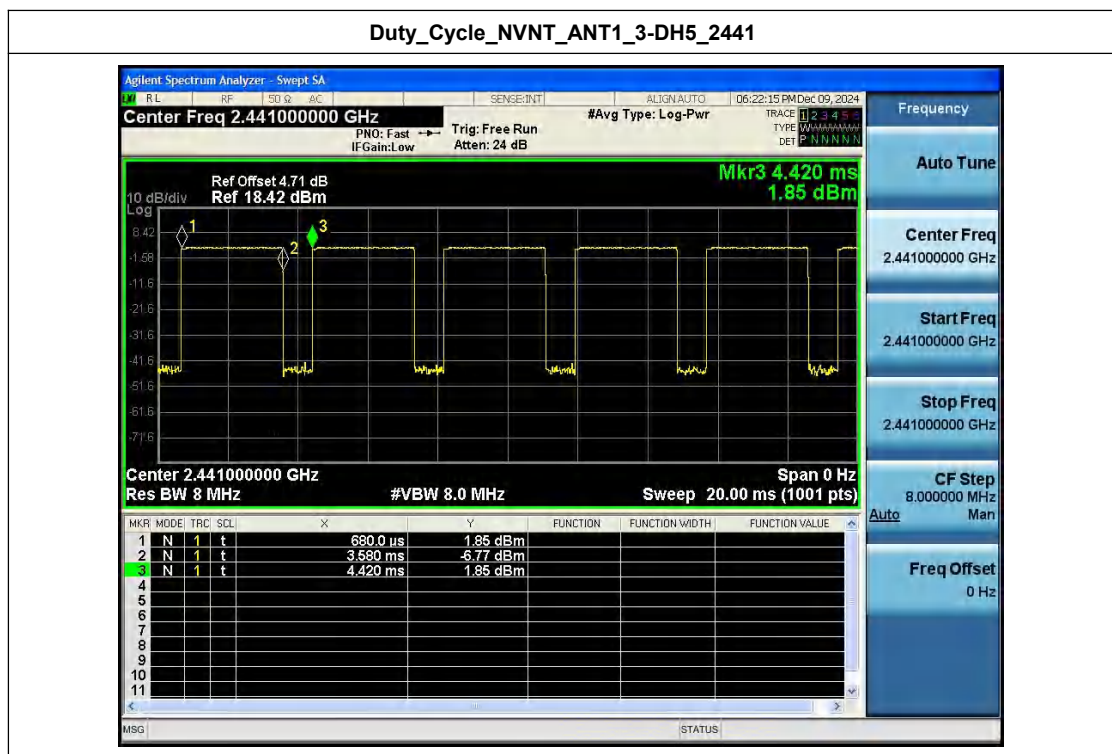
Duty Cycle_NVNT_ANT1_2-DH5_2480



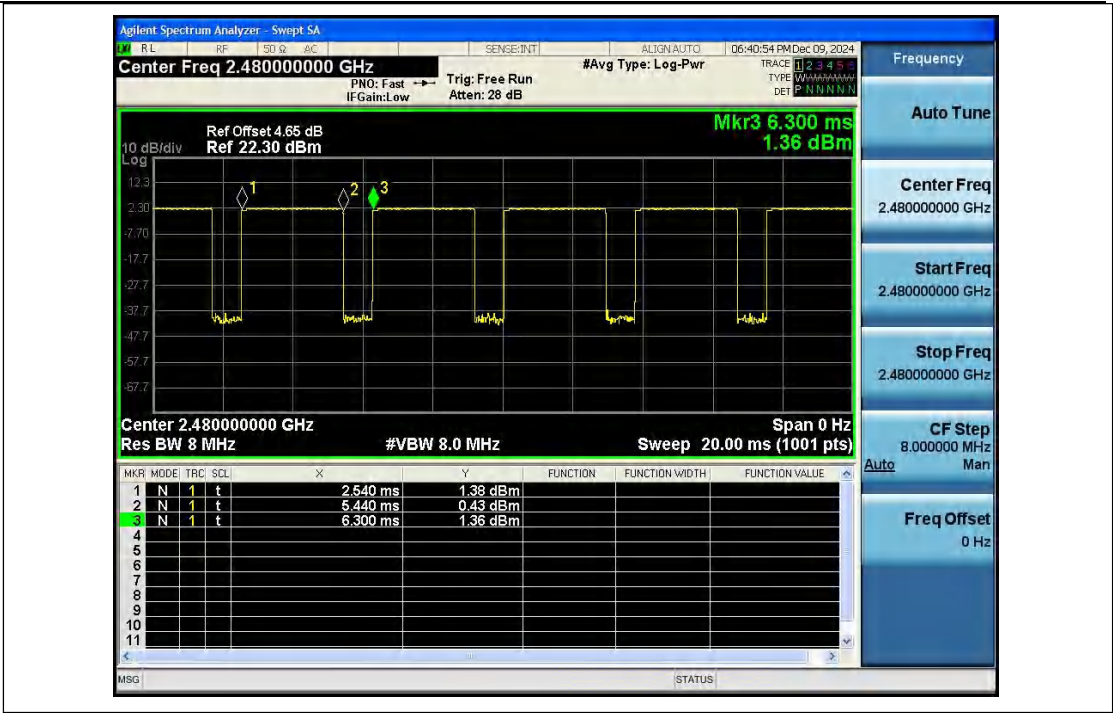
Duty Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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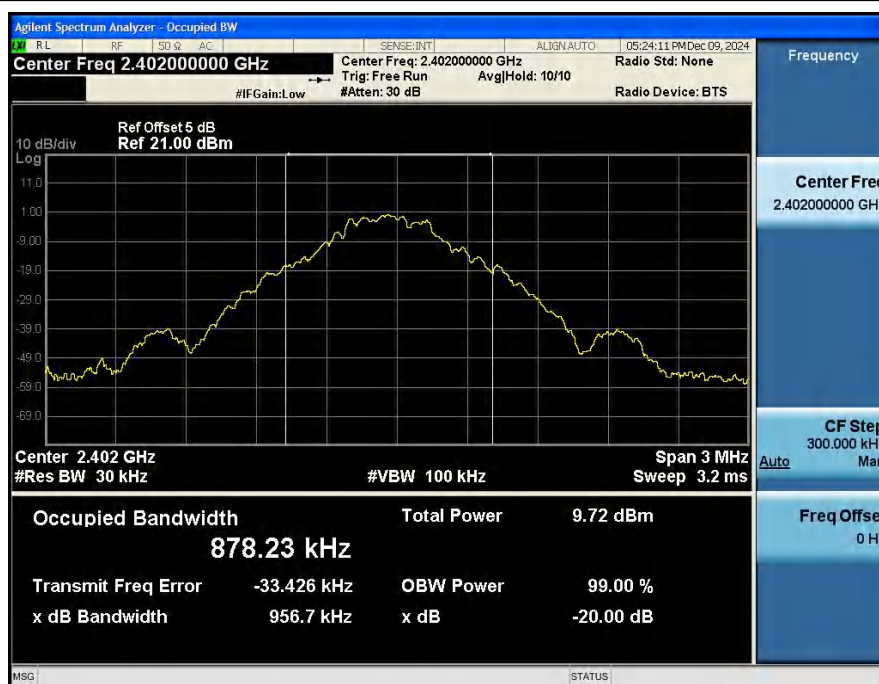
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotek.com

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Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.957	No
NVNT	ANT1	1-DH5	2441.00	1.022	Yes
NVNT	ANT1	1-DH5	2480.00	1.020	Yes
NVNT	ANT1	2-DH5	2402.00	1.289	Yes
NVNT	ANT1	2-DH5	2441.00	1.315	Yes
NVNT	ANT1	2-DH5	2480.00	1.313	Yes
NVNT	ANT1	3-DH5	2402.00	1.299	Yes
NVNT	ANT1	3-DH5	2441.00	1.304	Yes
NVNT	ANT1	3-DH5	2480.00	1.307	Yes

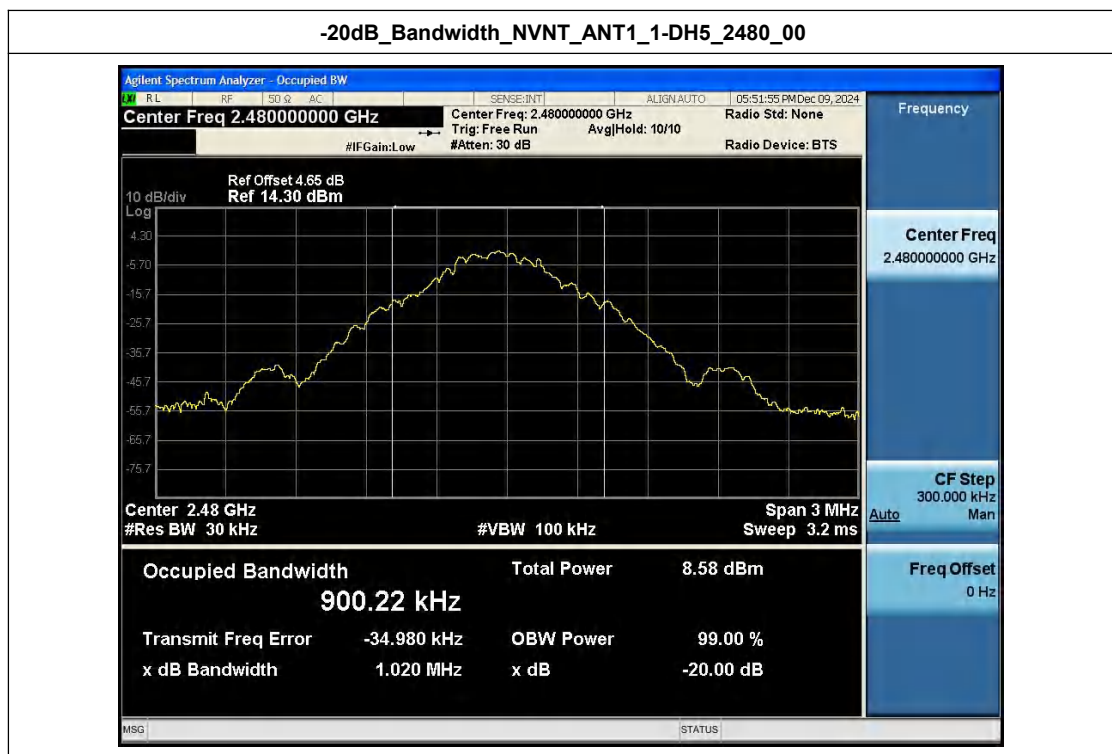
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2402_00



-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



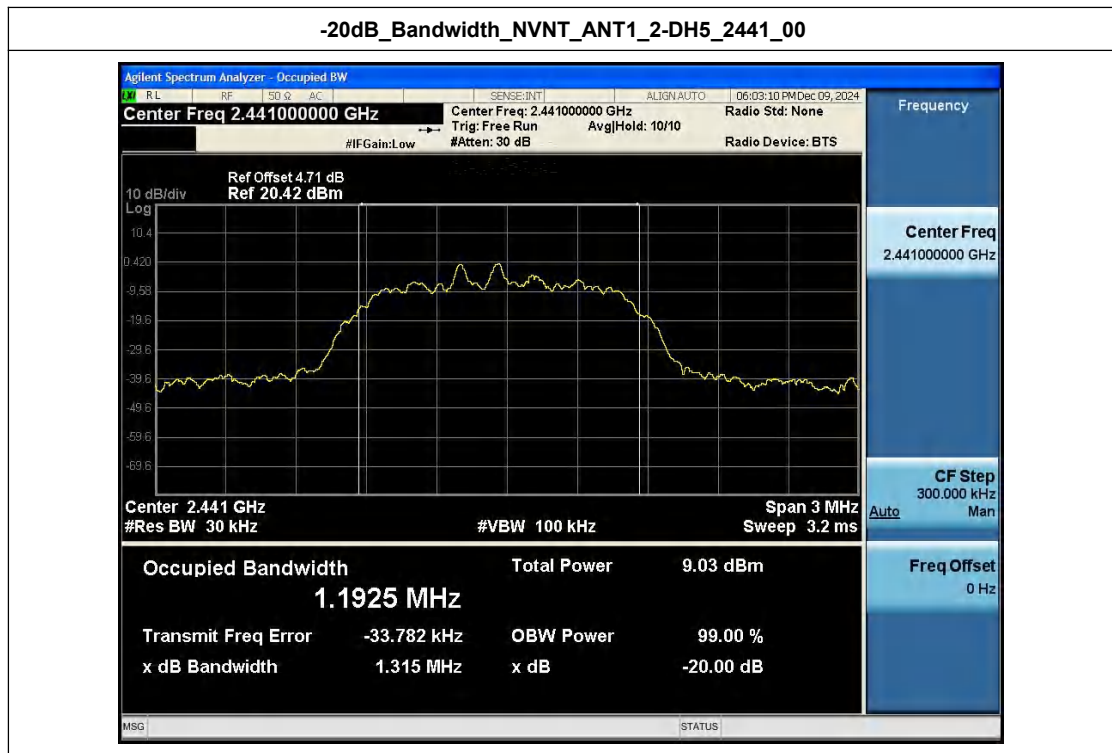
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00



-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441_00



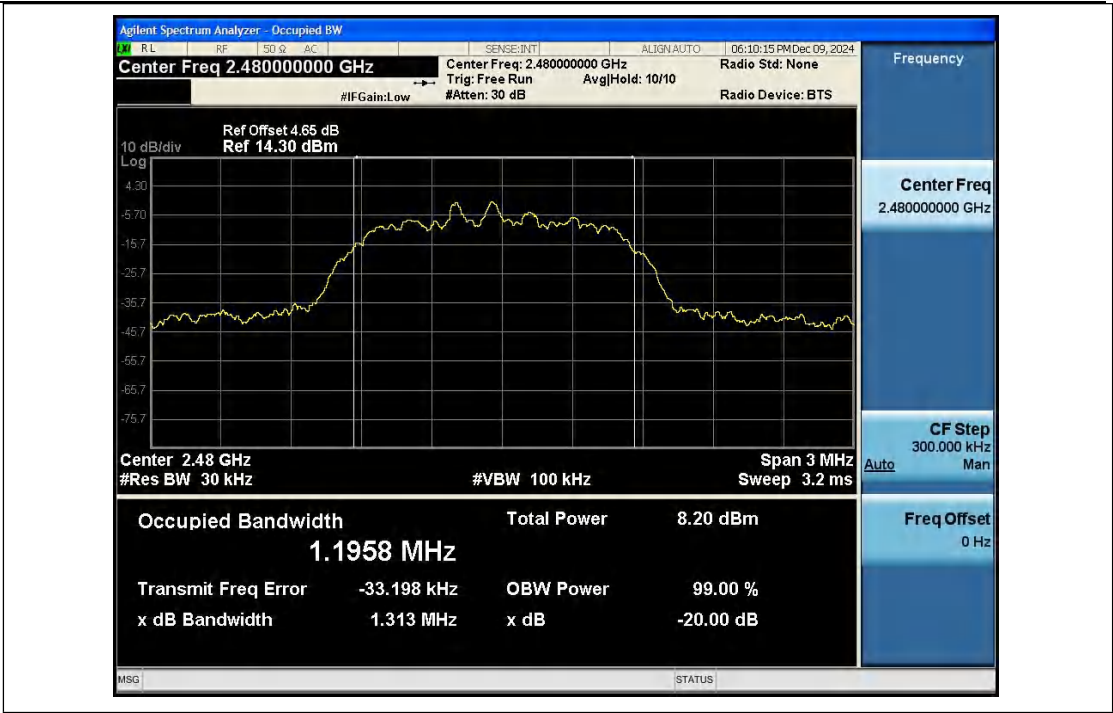
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00

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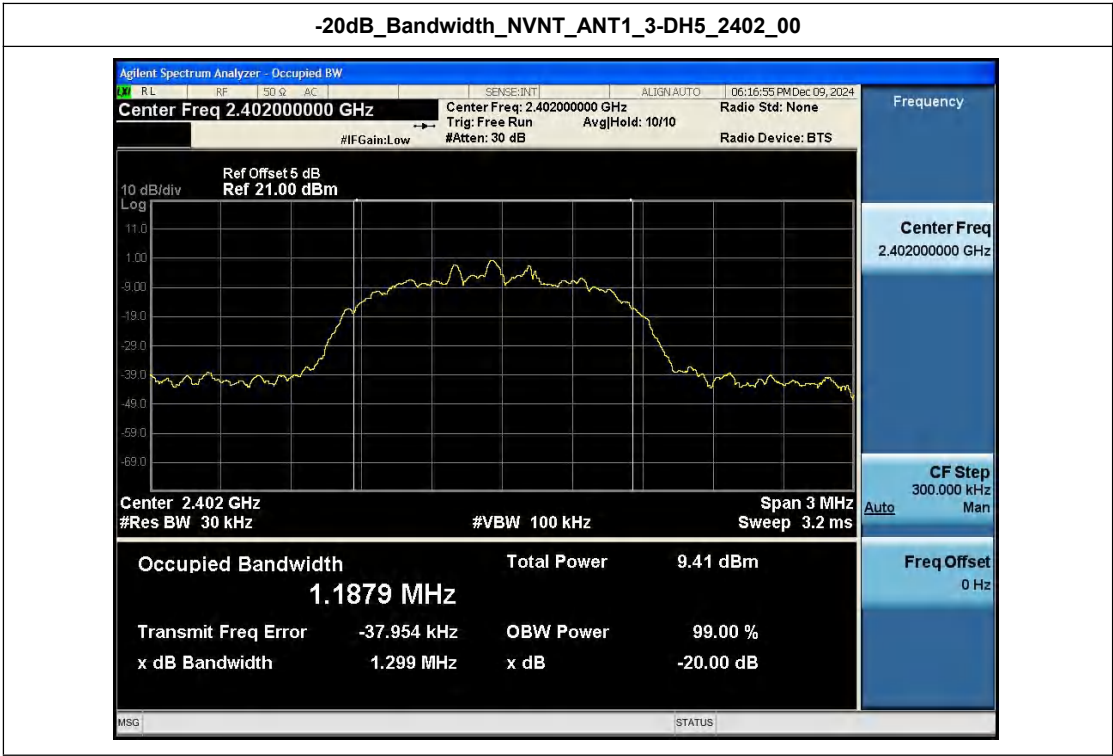
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotech.com



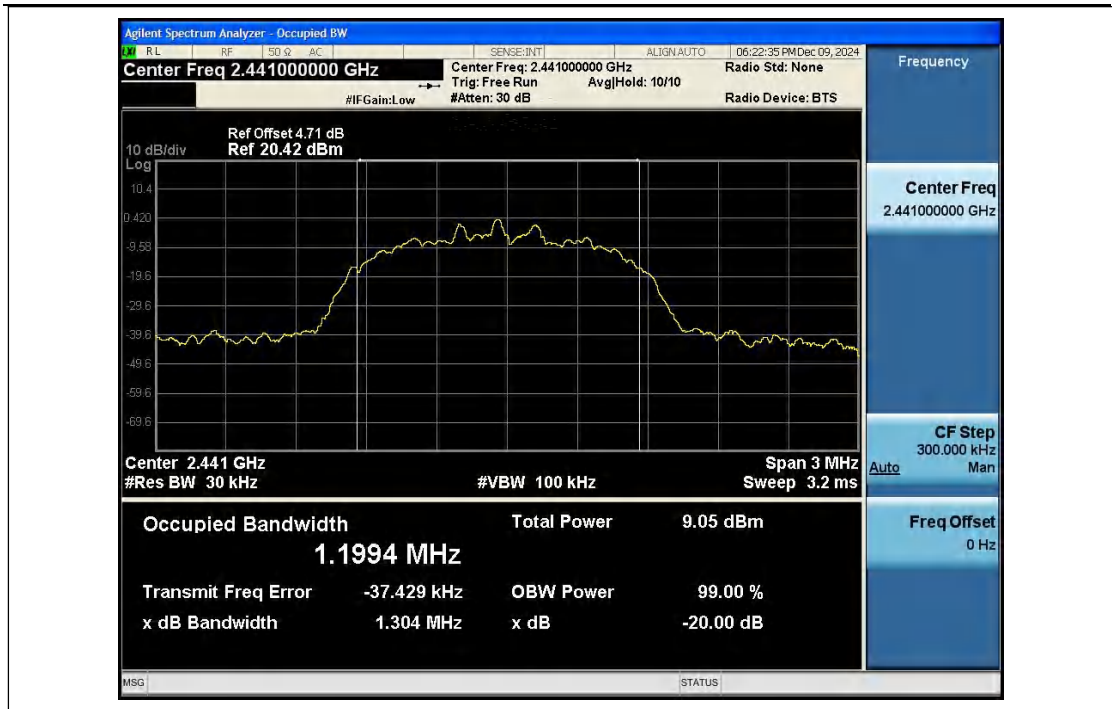
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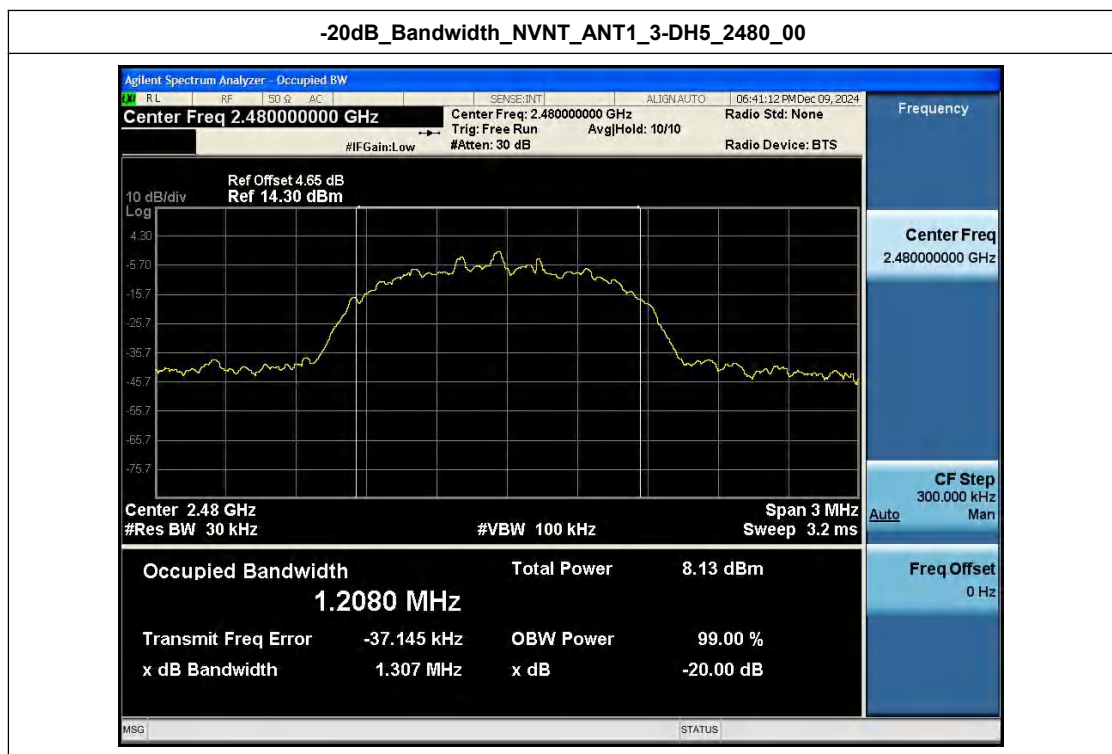
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00



-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00



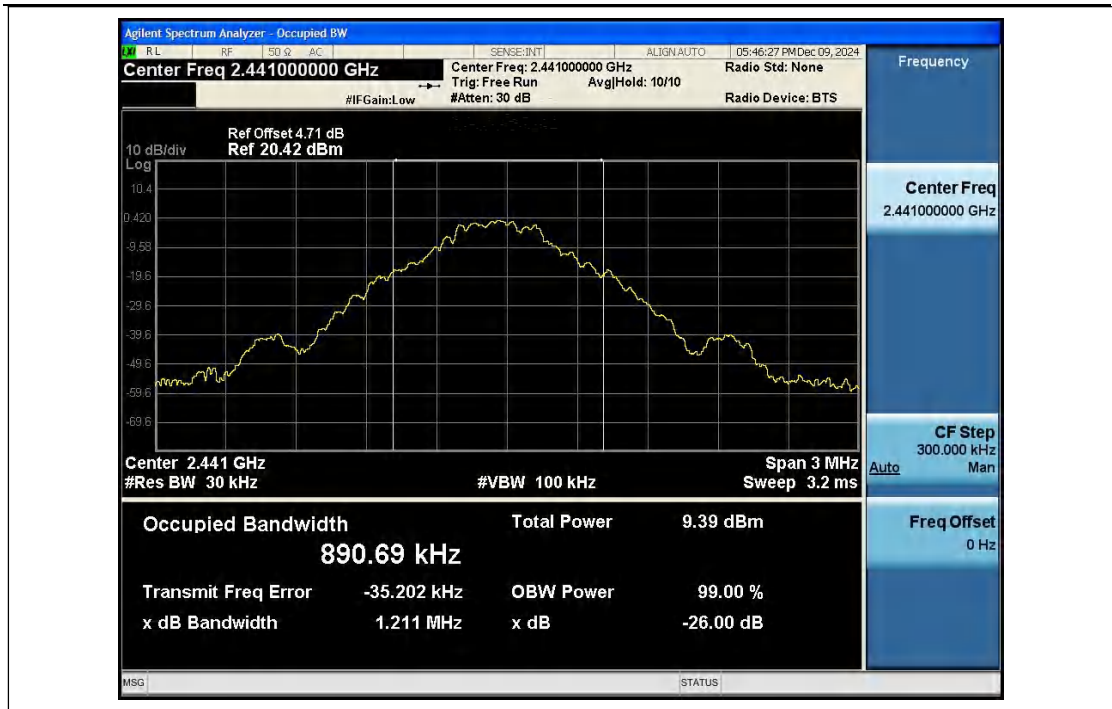
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.886
NVNT	ANT1	1-DH5	2441.00	0.891
NVNT	ANT1	1-DH5	2480.00	0.897
NVNT	ANT1	2-DH5	2402.00	1.192
NVNT	ANT1	2-DH5	2441.00	1.192
NVNT	ANT1	2-DH5	2480.00	1.197
NVNT	ANT1	3-DH5	2402.00	1.188
NVNT	ANT1	3-DH5	2441.00	1.199
NVNT	ANT1	3-DH5	2480.00	1.205

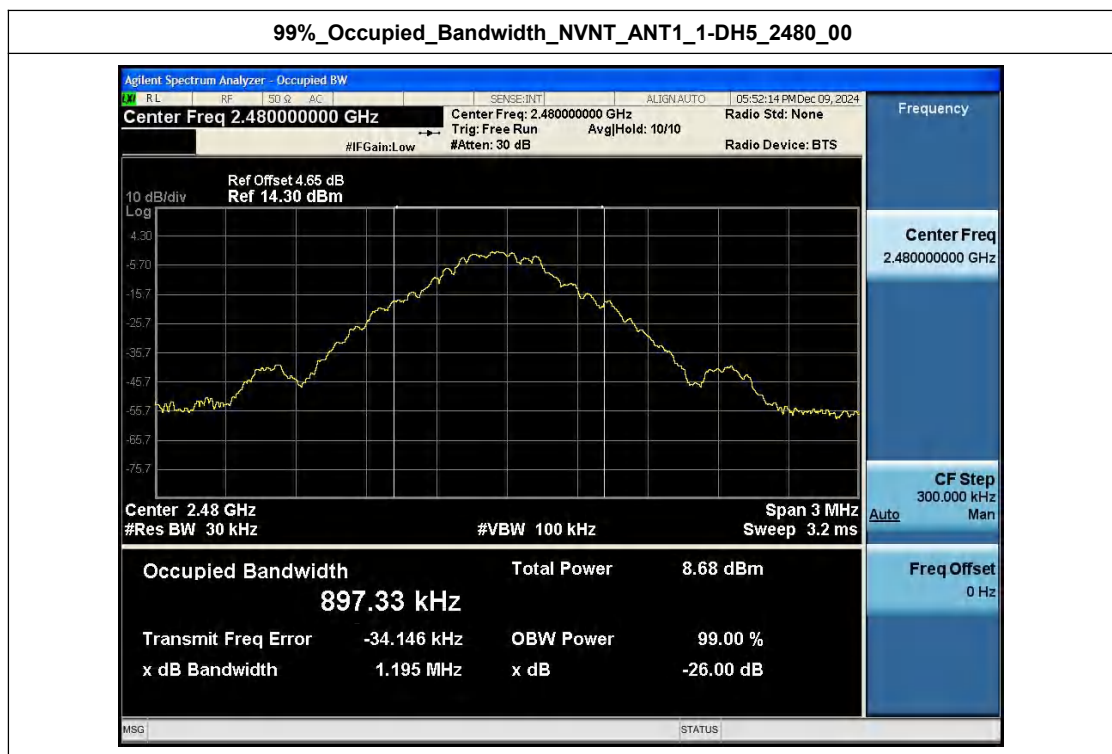
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00



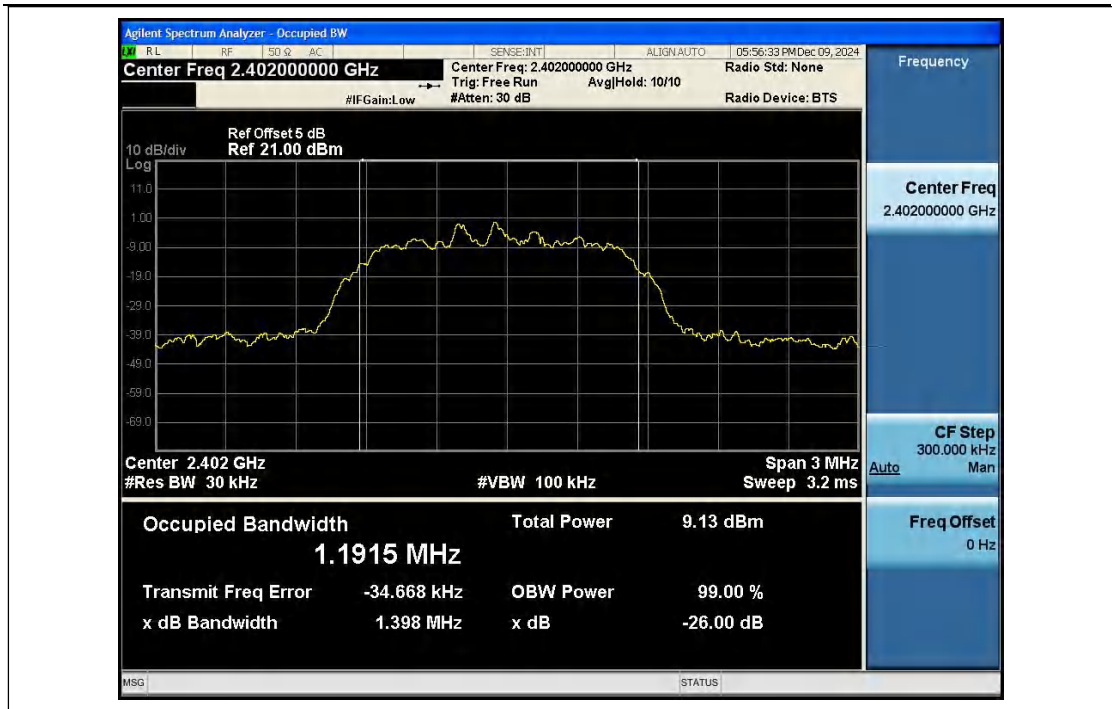
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



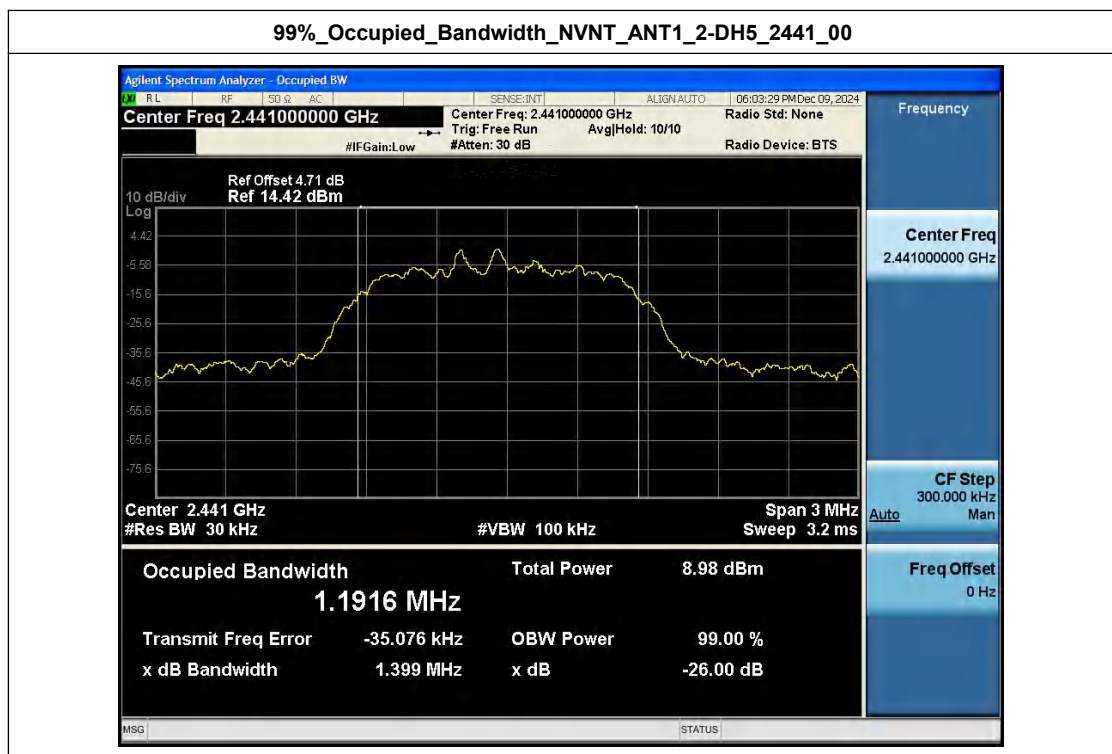
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



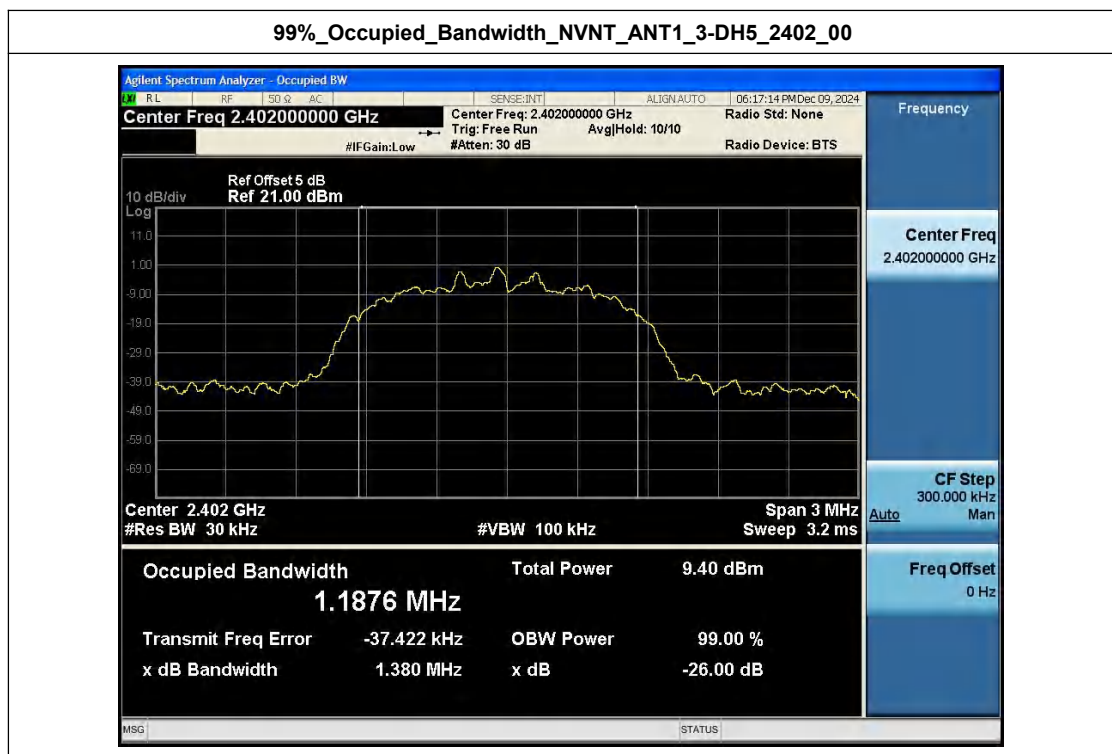
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



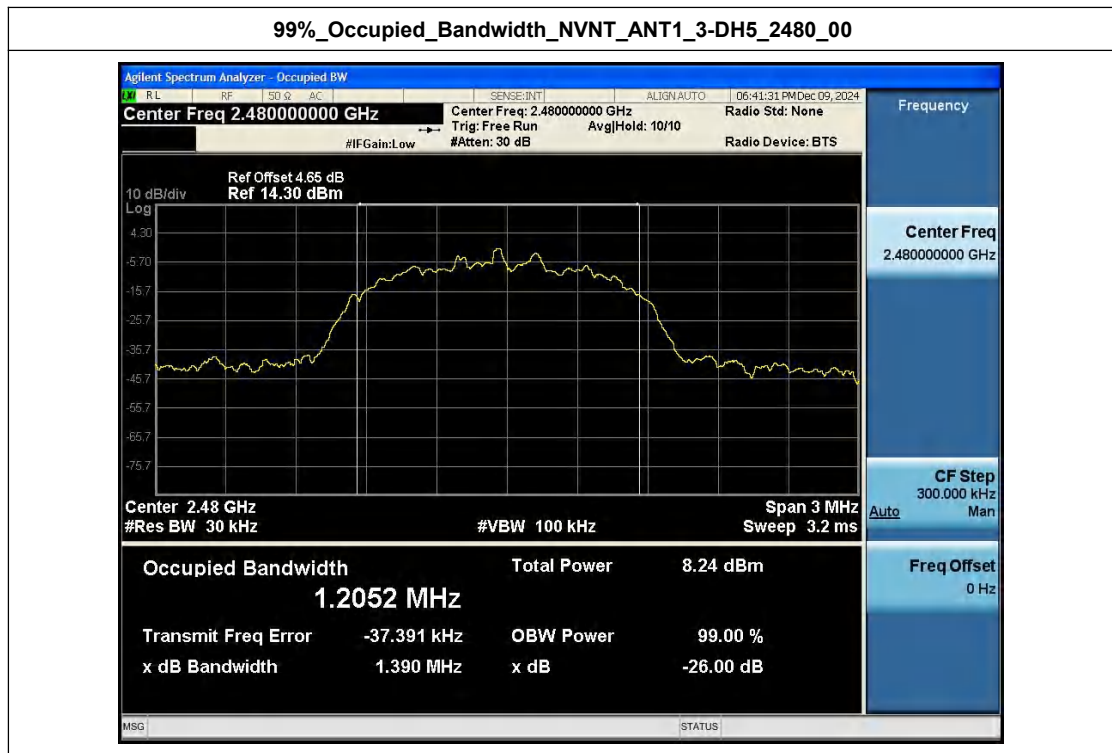
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



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	2.39	1.74	1000	Pass
NVNT	ANT1	1-DH5	2441.00	1.82	1.52	125	Pass
NVNT	ANT1	1-DH5	2480.00	1.52	1.42	125	Pass
NVNT	ANT1	2-DH5	2402.00	3.21	2.09	125	Pass
NVNT	ANT1	2-DH5	2441.00	2.50	1.78	125	Pass
NVNT	ANT1	2-DH5	2480.00	2.18	1.65	125	Pass
NVNT	ANT1	3-DH5	2402.00	3.52	2.25	125	Pass
NVNT	ANT1	3-DH5	2441.00	2.73	1.87	125	Pass
NVNT	ANT1	3-DH5	2480.00	2.39	1.74	125	Pass

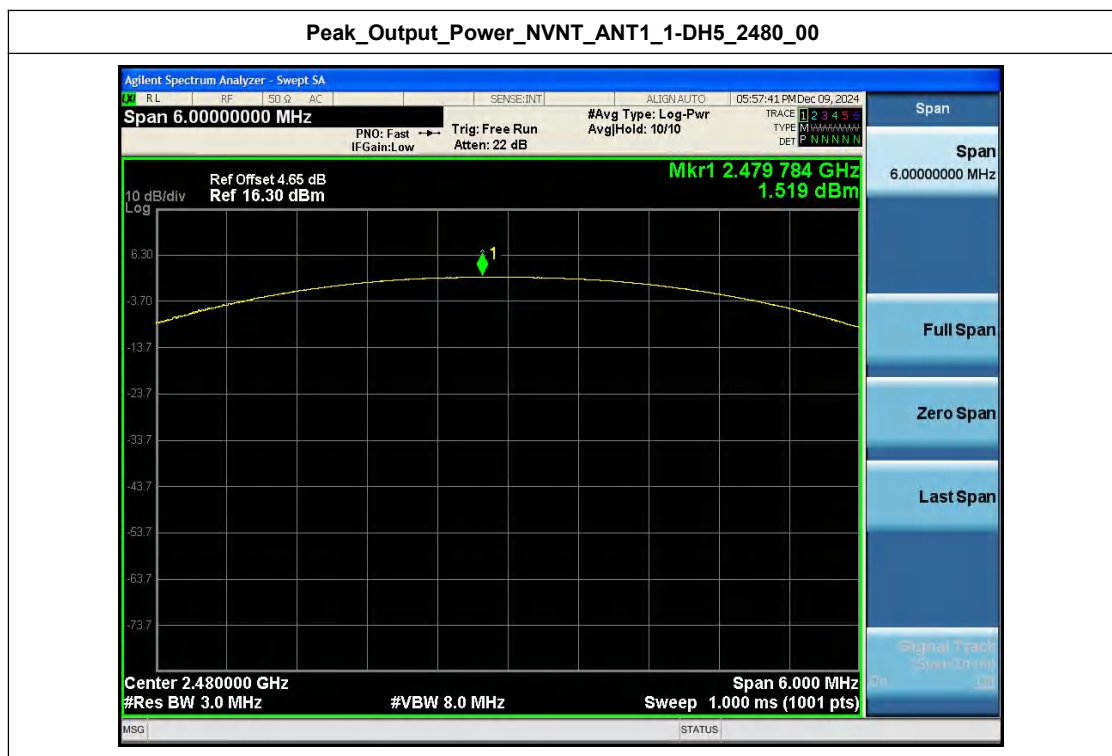
Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



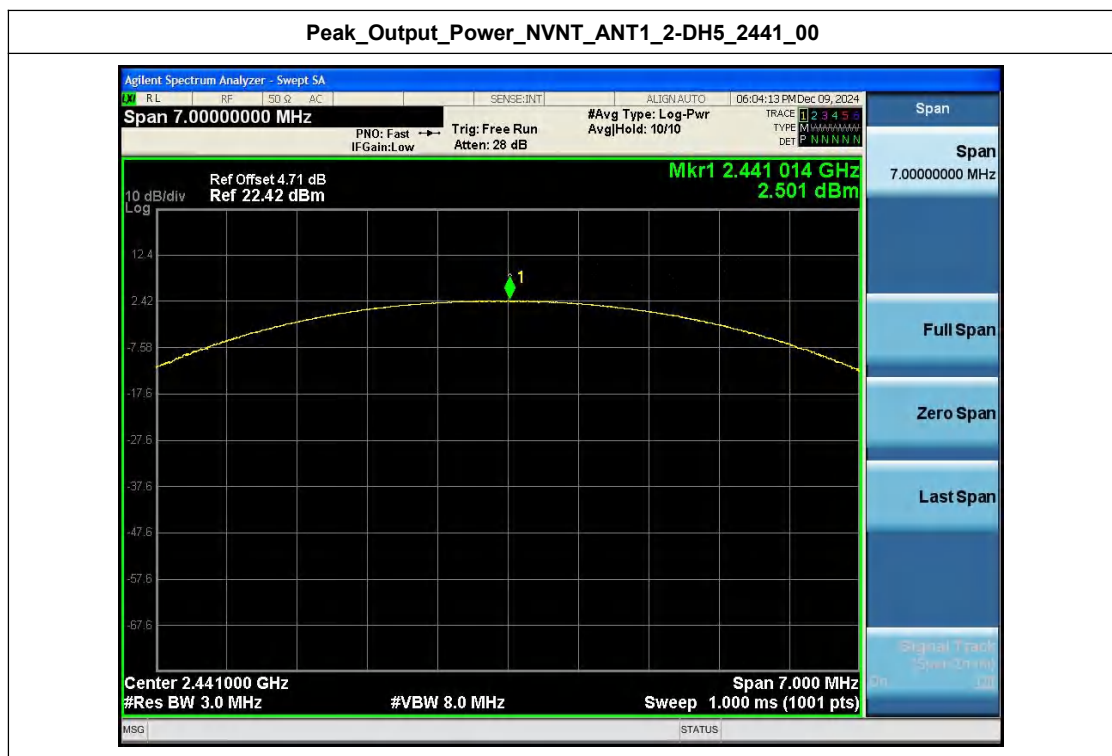
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



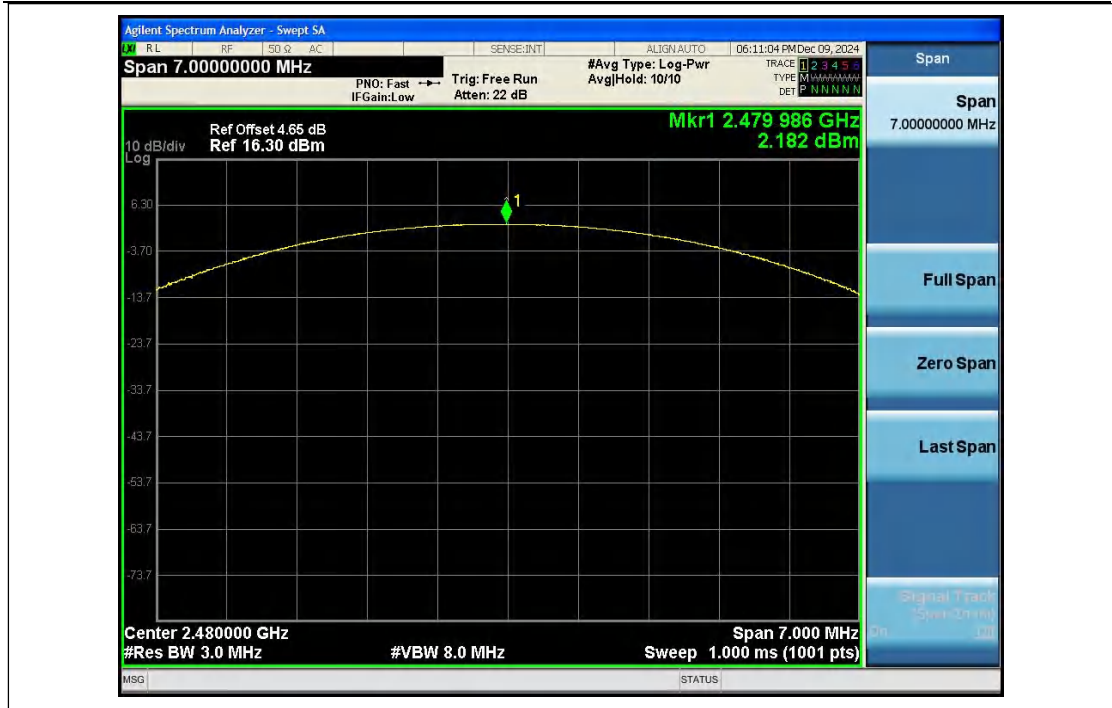
Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



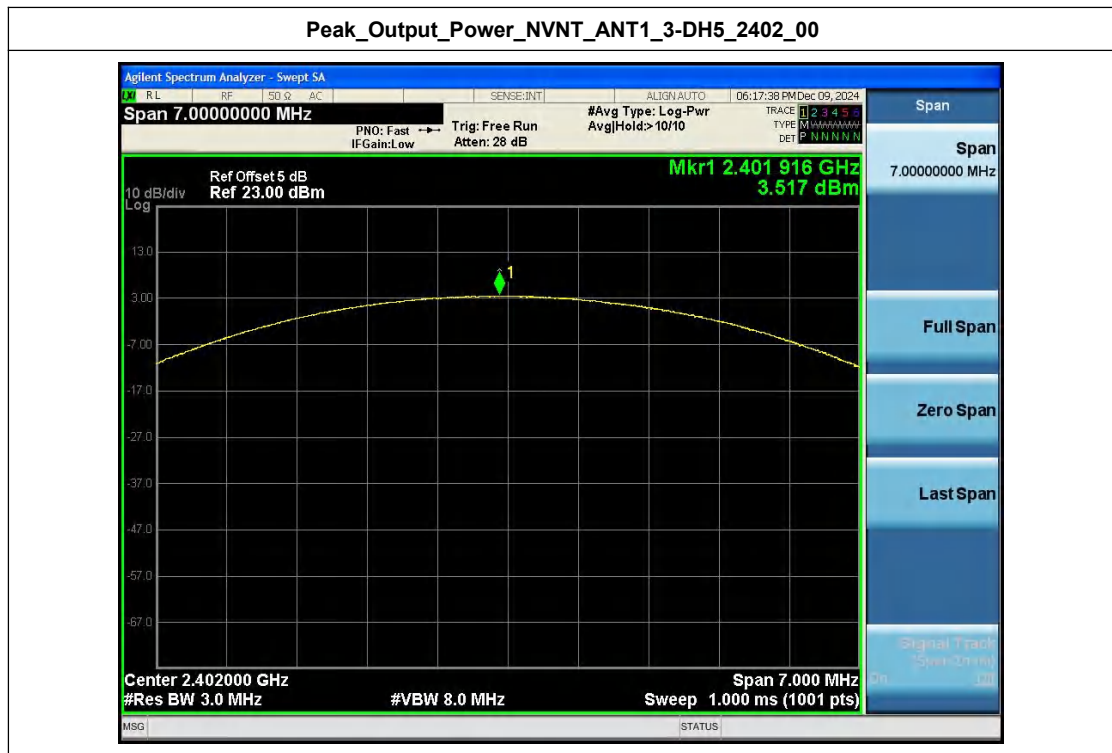
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00

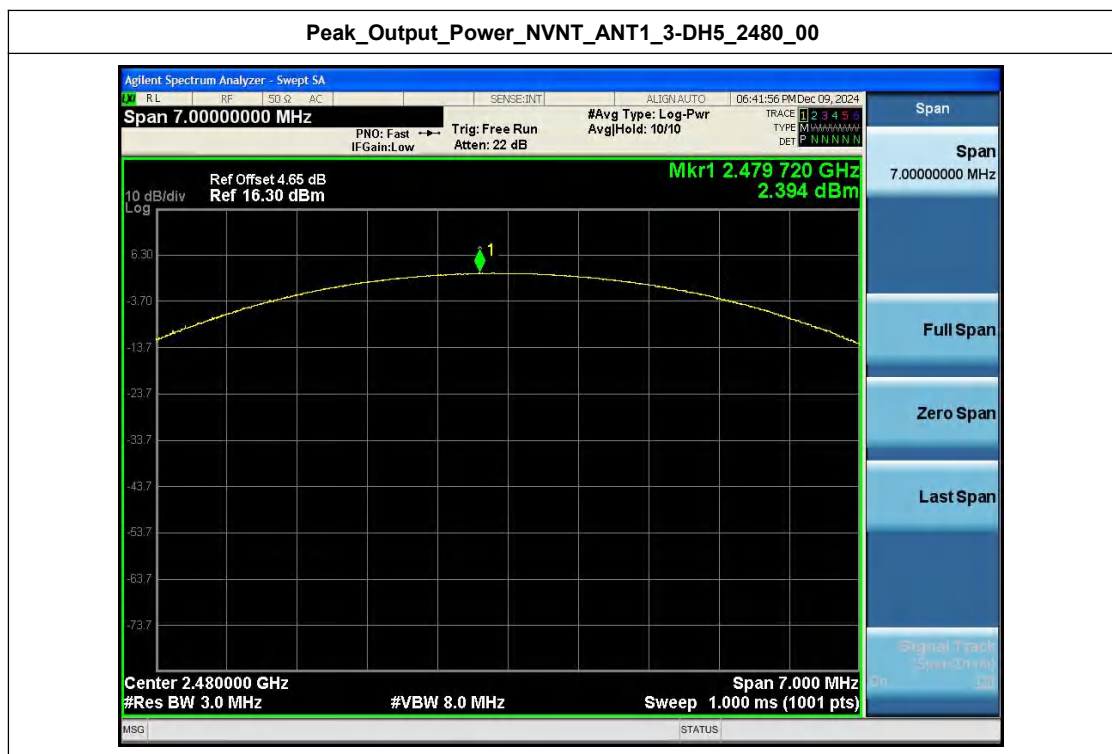


Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Spurious Emissions

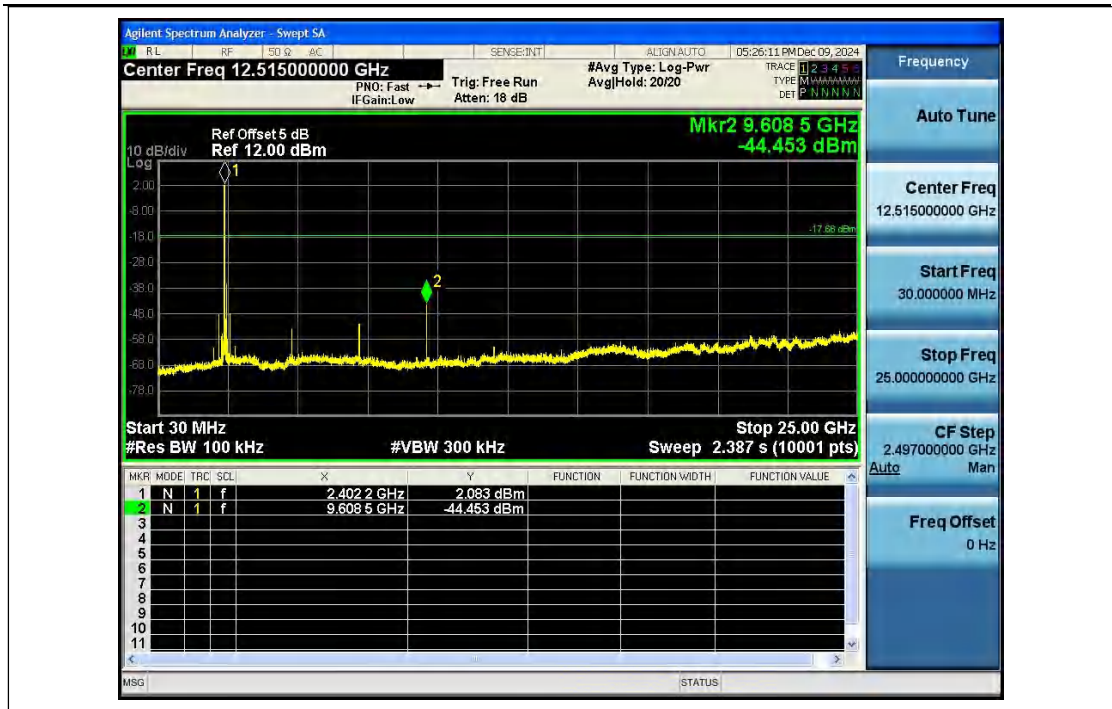
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	2.338	-44.453	-17.662	Pass
NVNT	ANT1	1-DH5	2441.00	1.438	-45.692	-18.562	Pass
NVNT	ANT1	1-DH5	2480.00	1.085	-44.612	-18.915	Pass
NVNT	ANT1	2-DH5	2402.00	2.289	-43.965	-17.711	Pass
NVNT	ANT1	2-DH5	2441.00	1.510	-45.010	-18.490	Pass
NVNT	ANT1	2-DH5	2480.00	1.305	-44.332	-18.695	Pass
NVNT	ANT1	3-DH5	2402.00	2.368	-44.242	-17.632	Pass
NVNT	ANT1	3-DH5	2441.00	1.281	-34.319	-18.719	Pass
NVNT	ANT1	3-DH5	2480.00	1.142	-44.203	-18.858	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

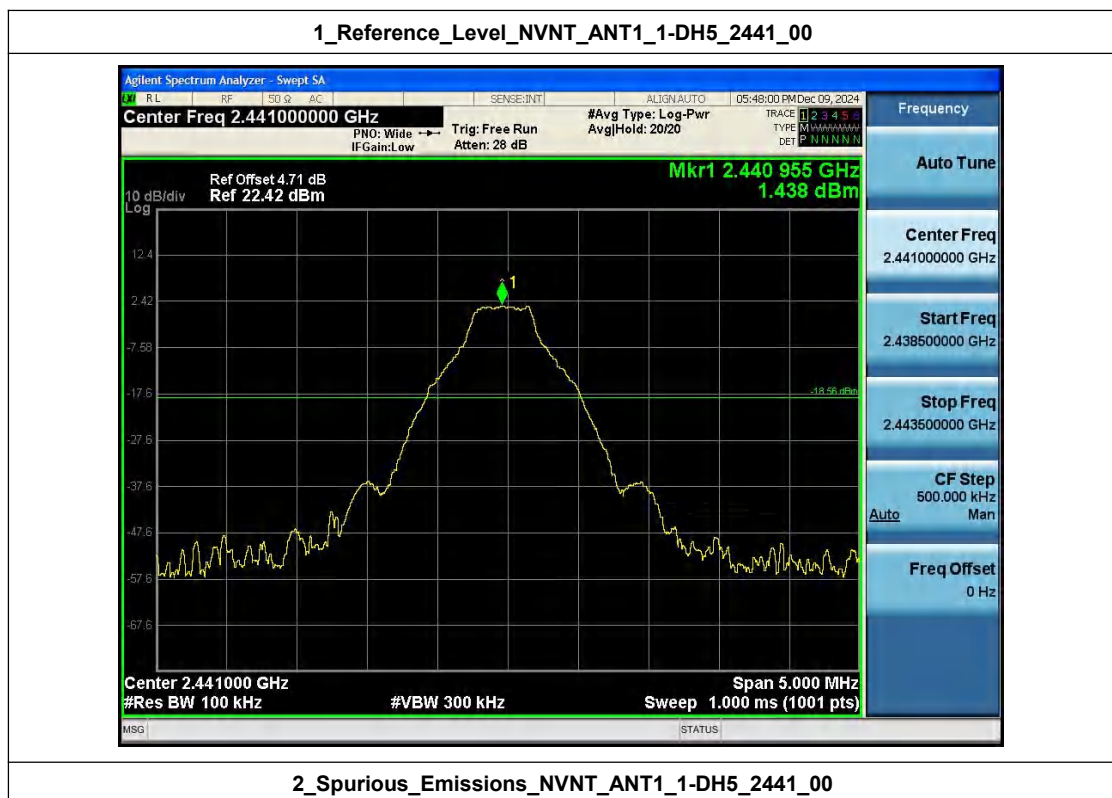


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00

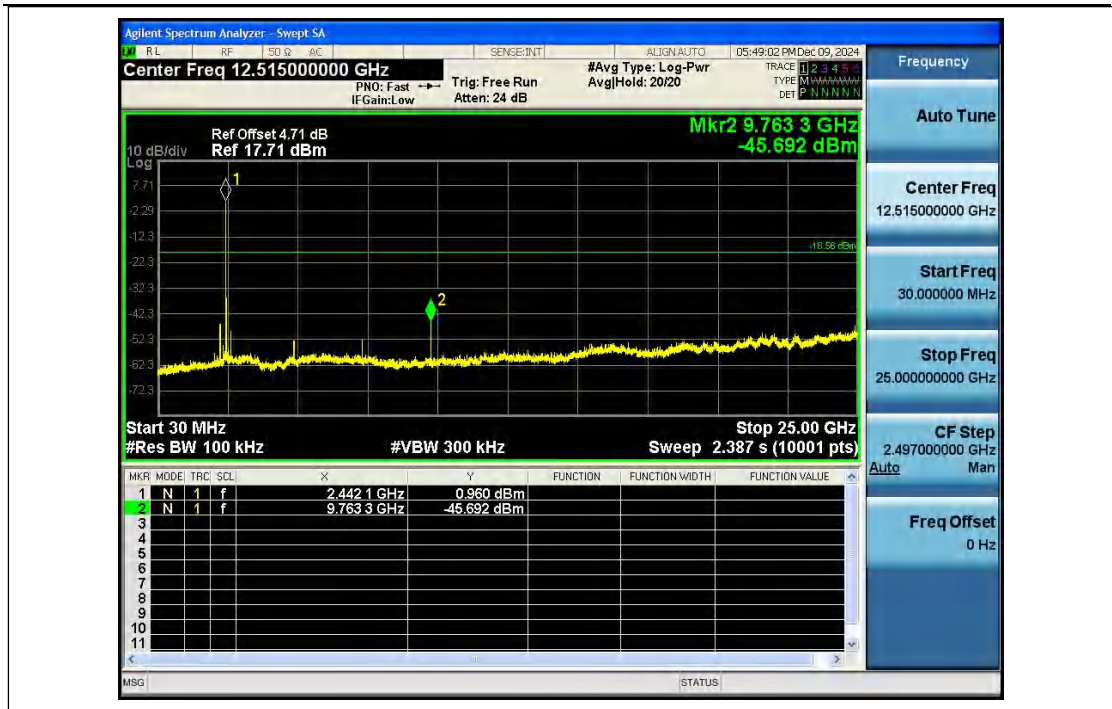




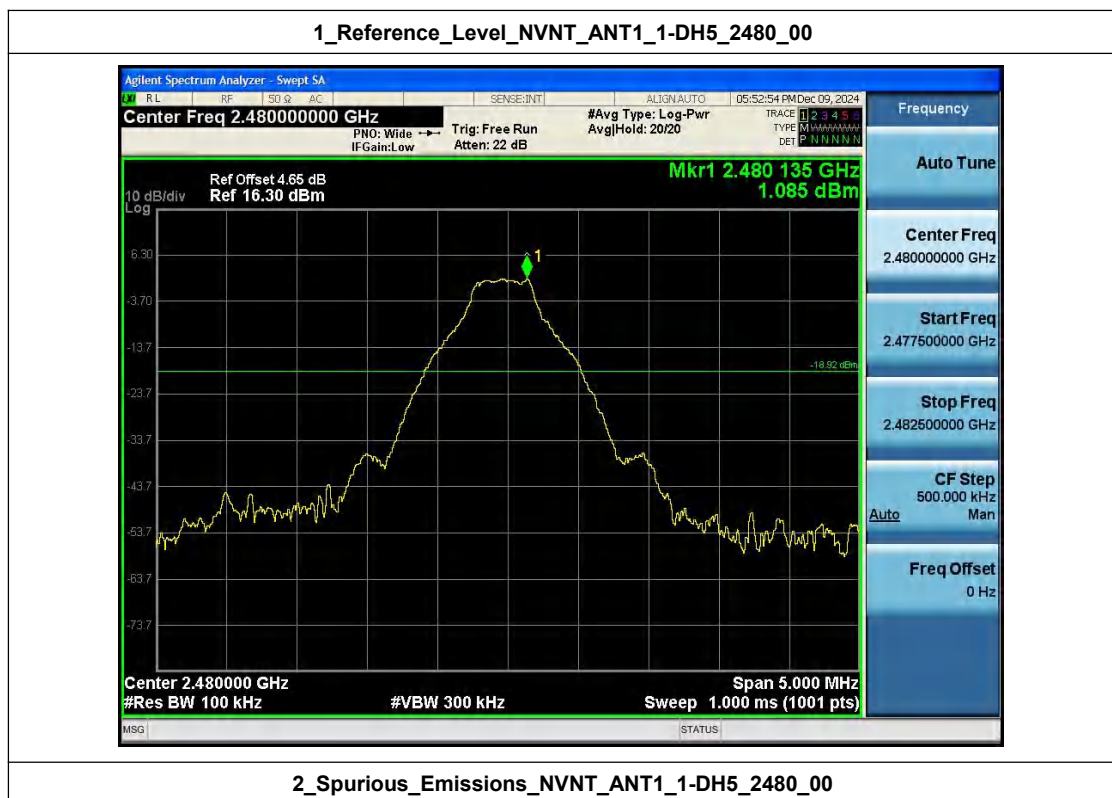
1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00



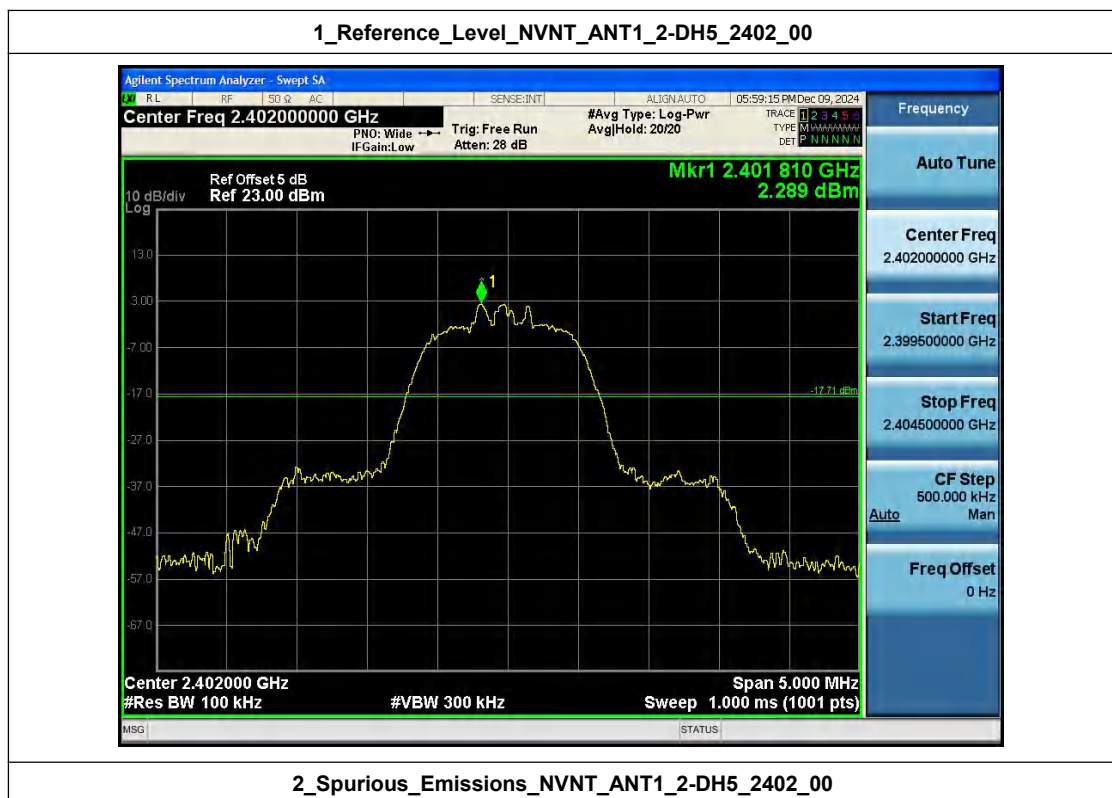
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



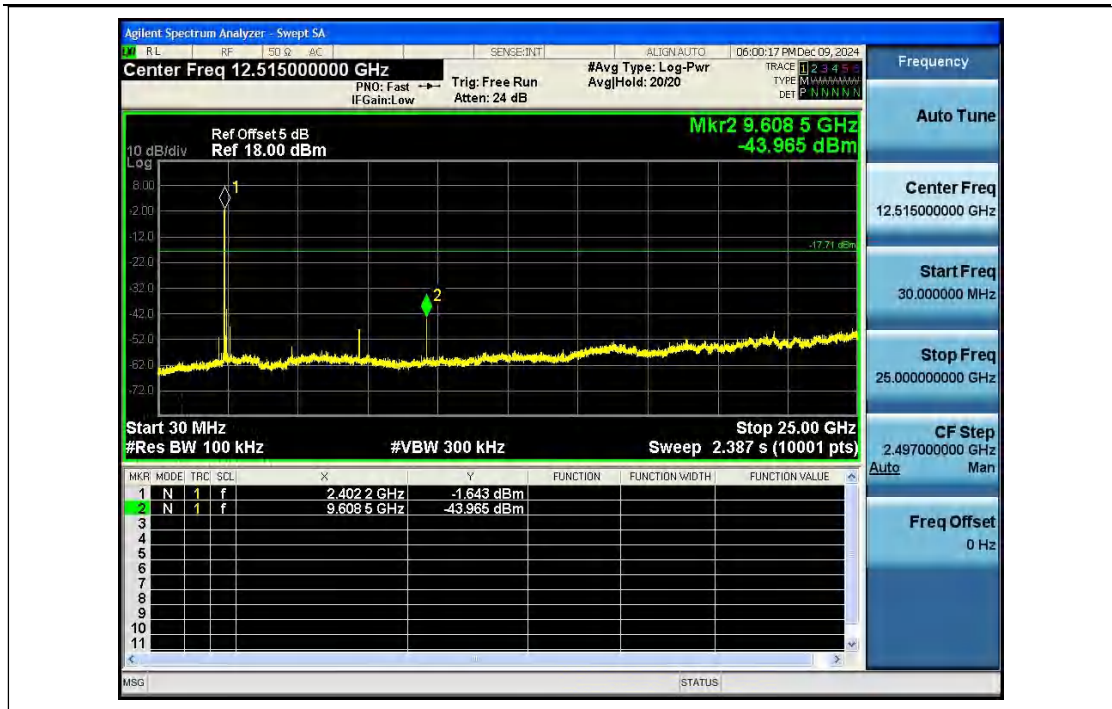
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



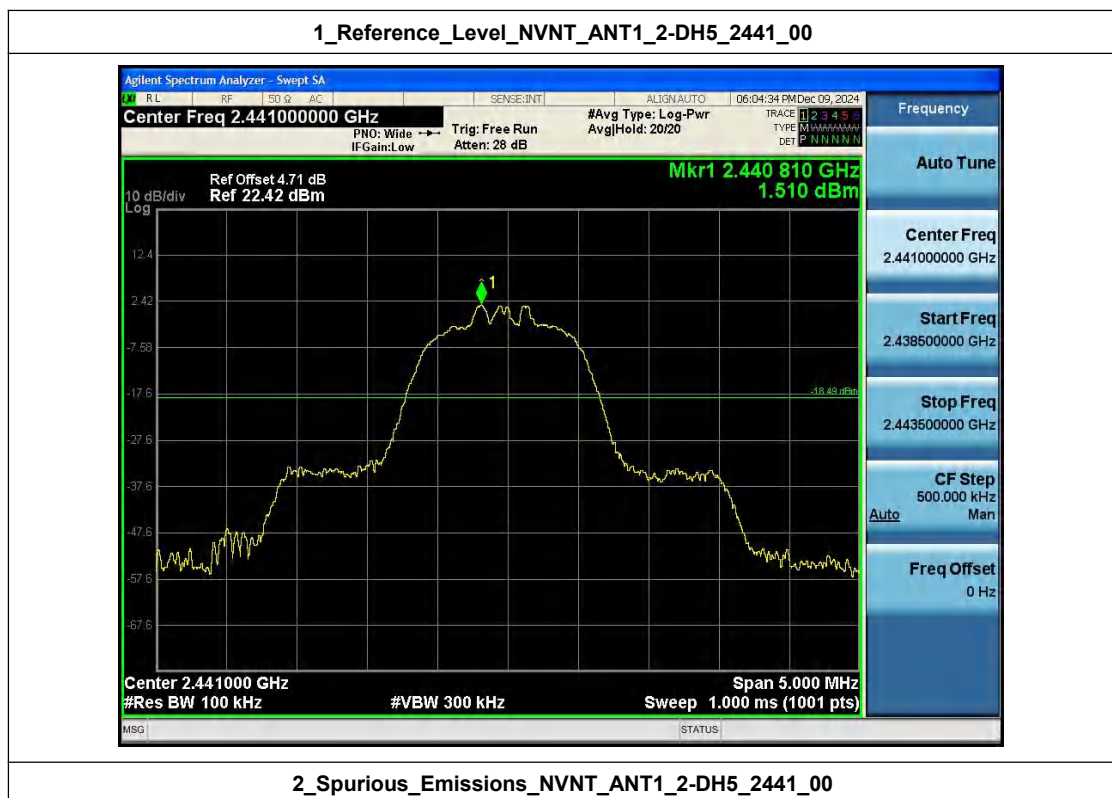
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



1_Reference_Level_NVNT_ANT1_2-DH5_2441_00

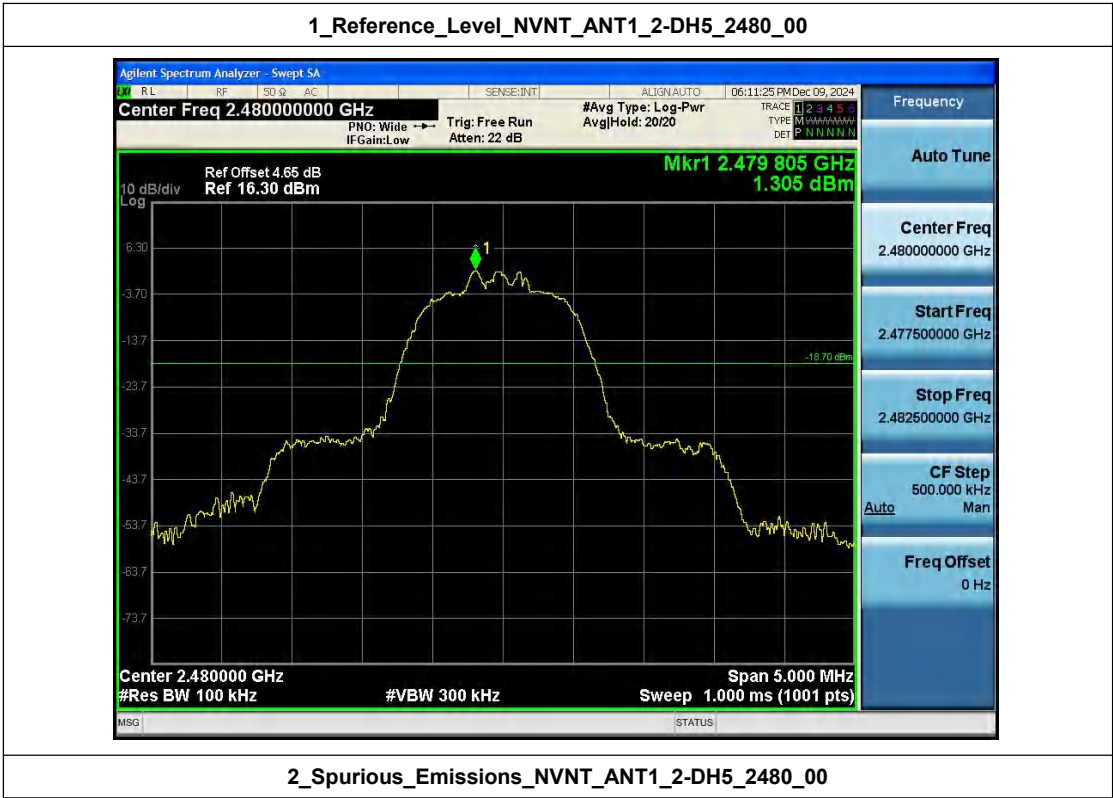


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00

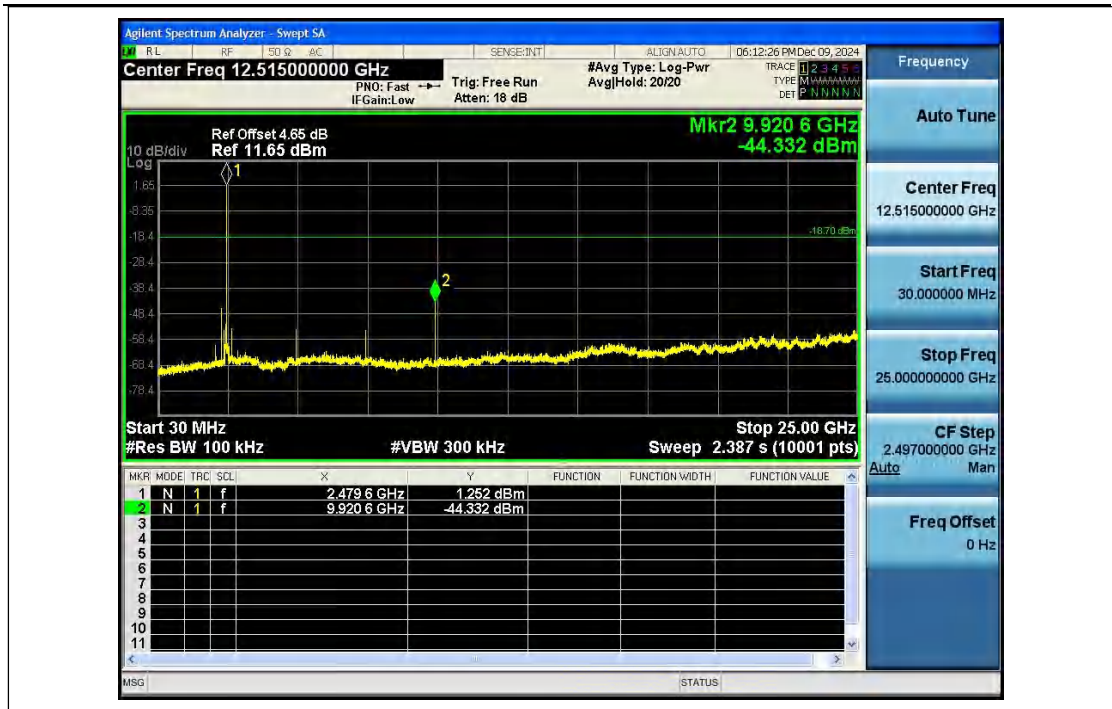




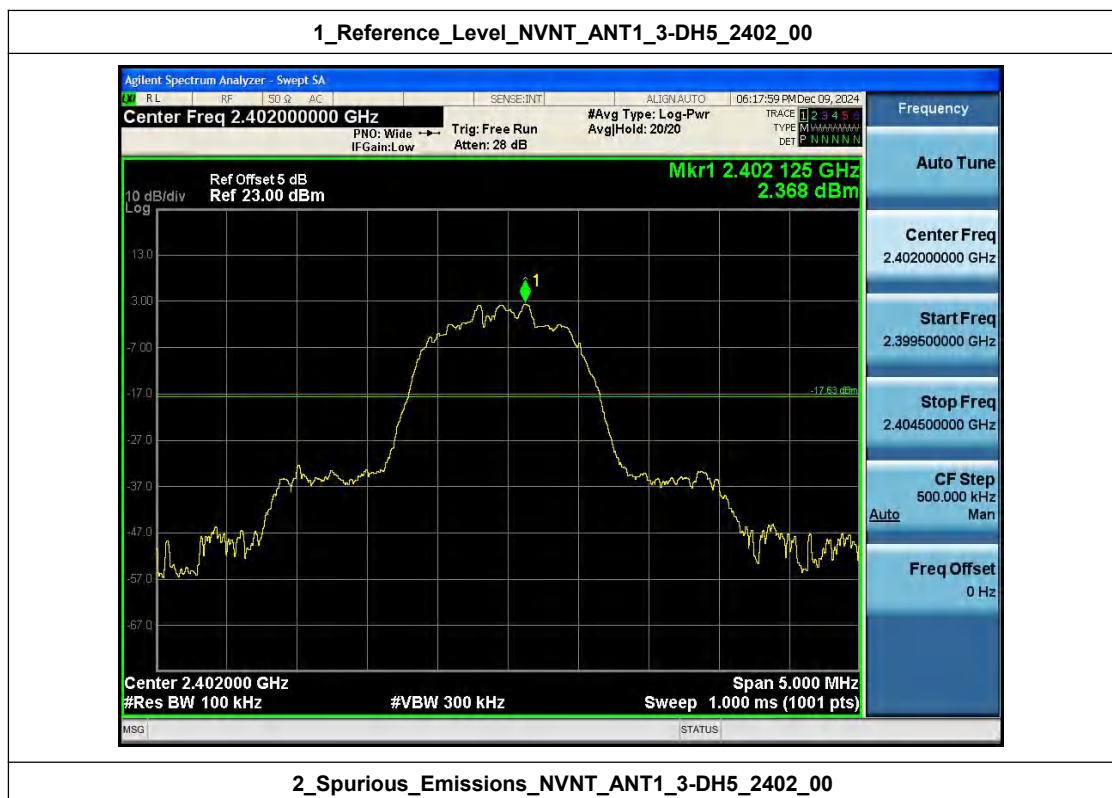
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00

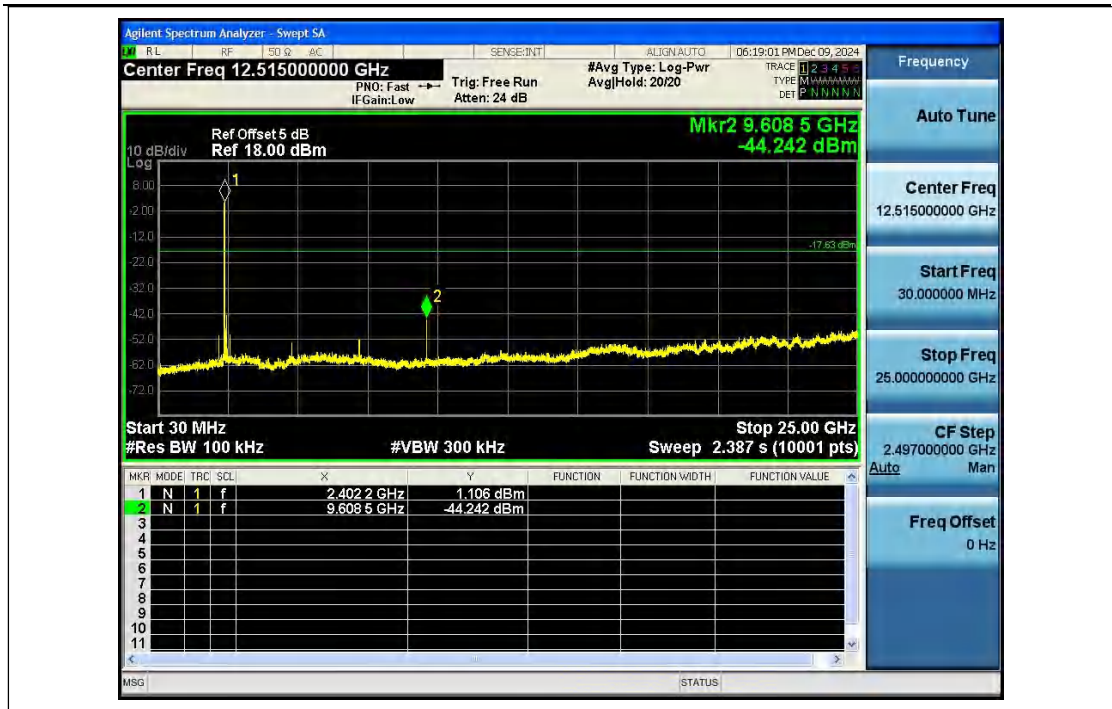


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

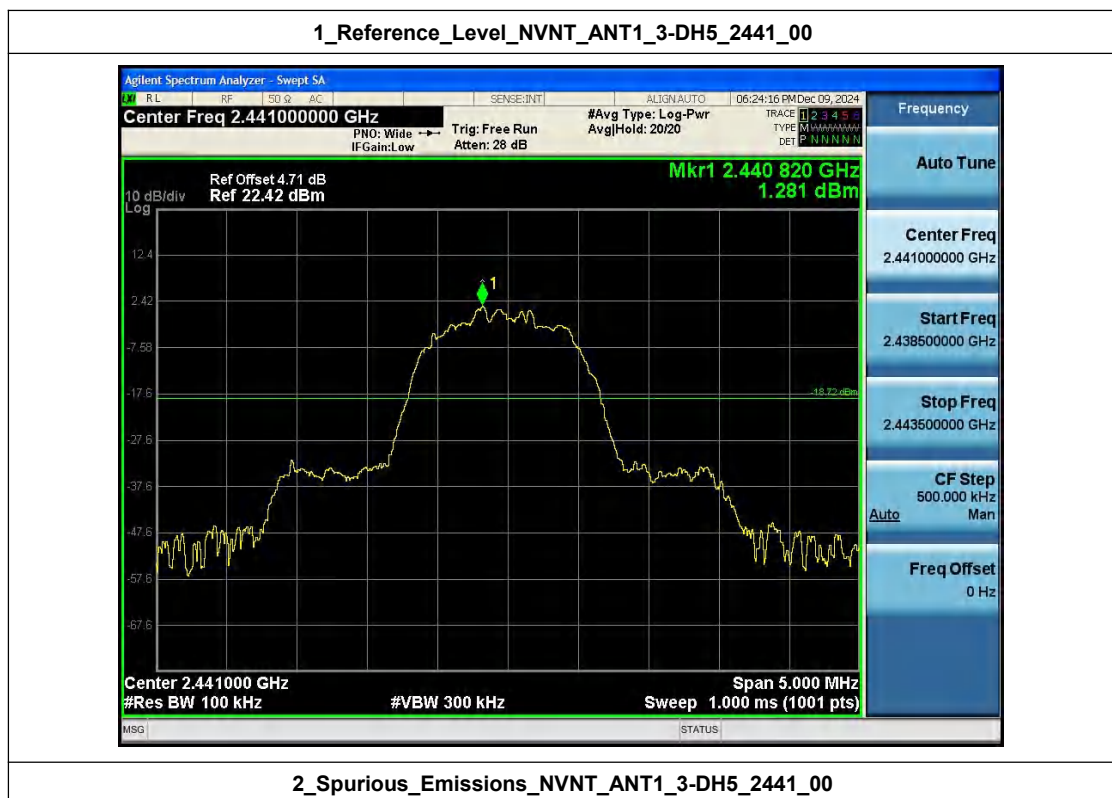


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00





1_Reference_Level_NVNT_ANT1_3-DH5_2441_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00

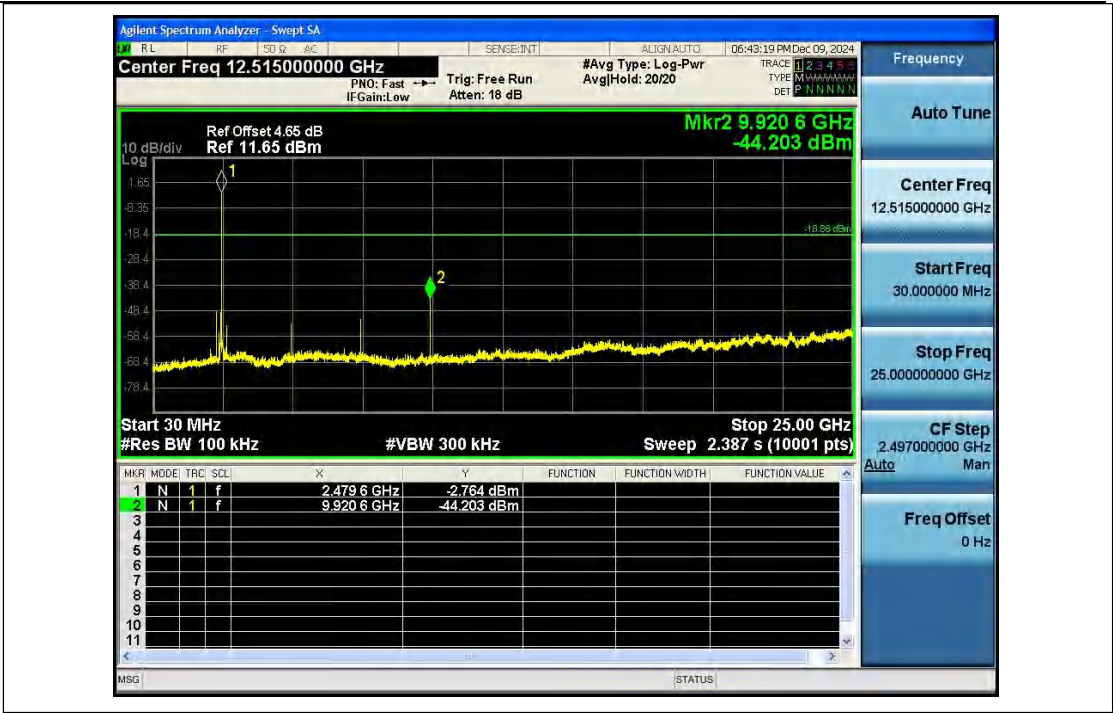




1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



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	2.338	-48.241	-17.662	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	2.262	-55.447	-17.738	Pass
NVNT	ANT1	1-DH5	2480.00	1.085	-58.641	-18.915	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	1.837	-56.227	-18.163	Pass
NVNT	ANT1	2-DH5	2402.00	2.289	-47.501	-17.711	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	2.449	-59.130	-17.551	Pass
NVNT	ANT1	2-DH5	2480.00	1.305	-59.359	-18.695	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	2.124	-59.243	-17.876	Pass
NVNT	ANT1	3-DH5	2402.00	2.368	-46.426	-17.632	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	2.015	-57.609	-17.985	Pass
NVNT	ANT1	3-DH5	2480.00	1.142	-58.961	-18.858	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	1.912	-58.335	-18.088	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



2_Bandedge_NVNT_ANT1_1-DH5_2402_00

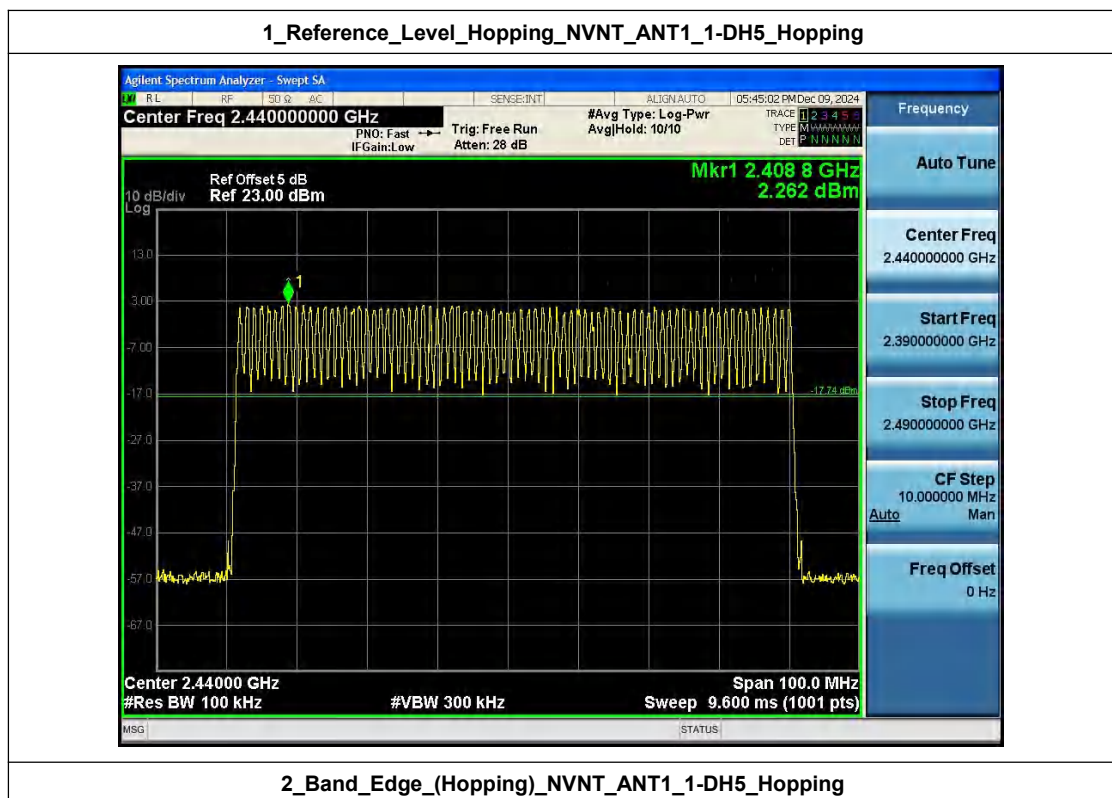
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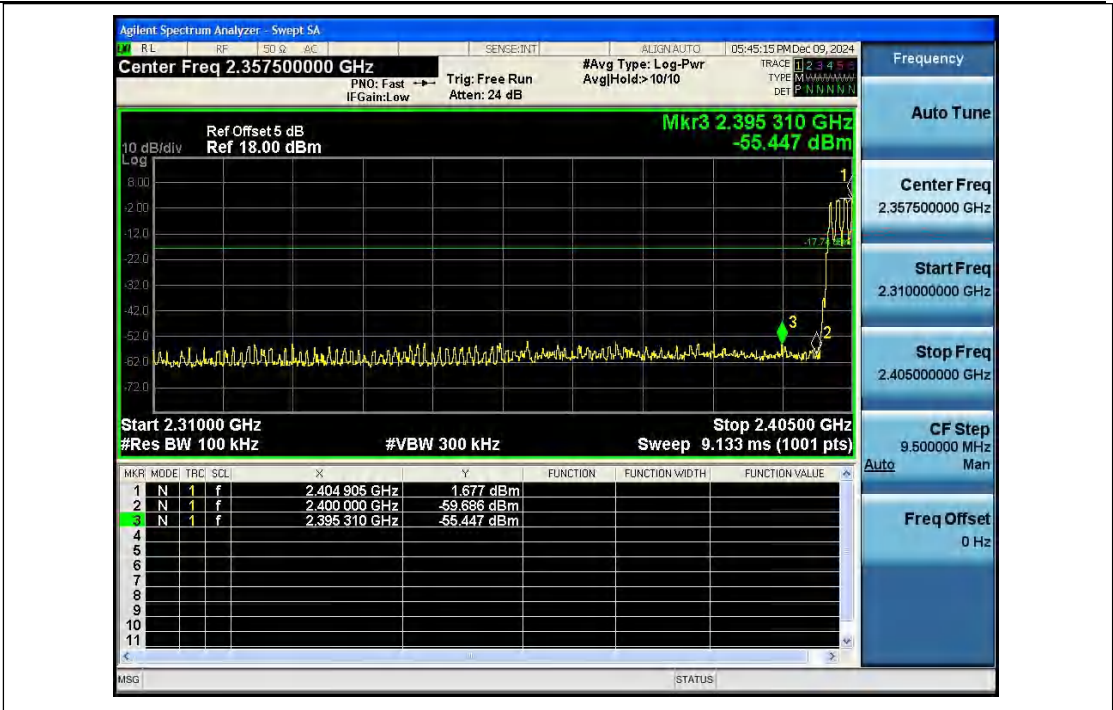
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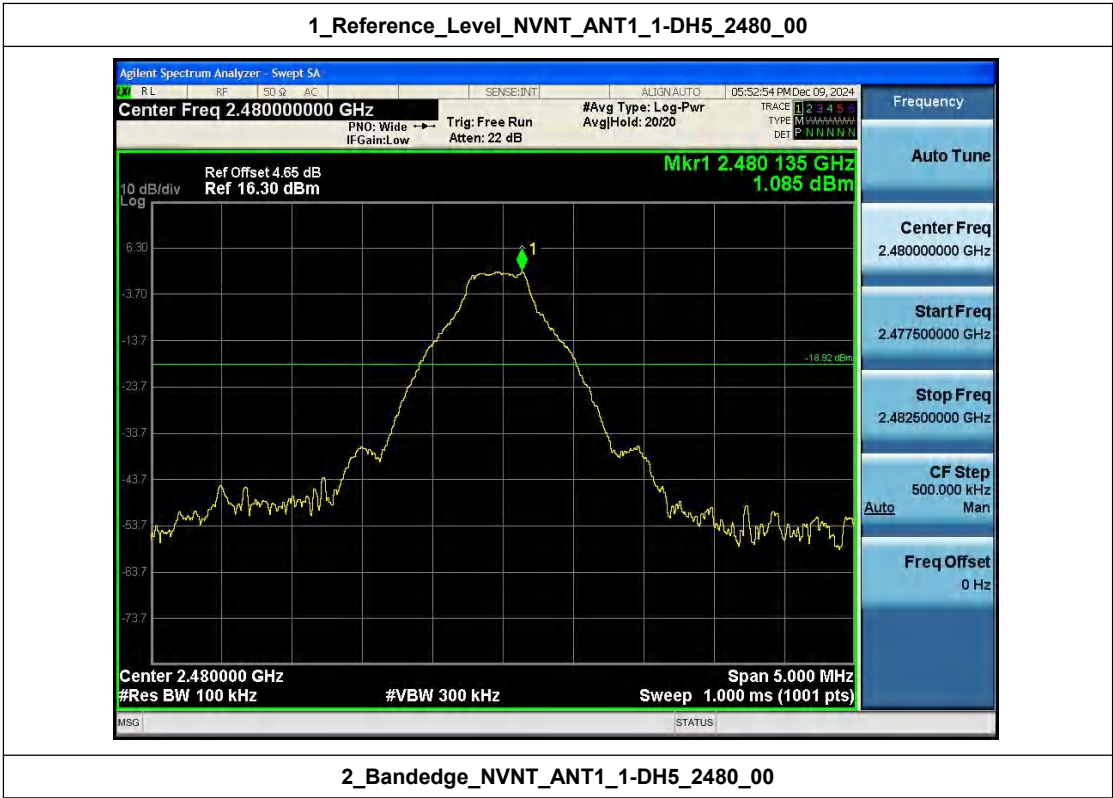
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



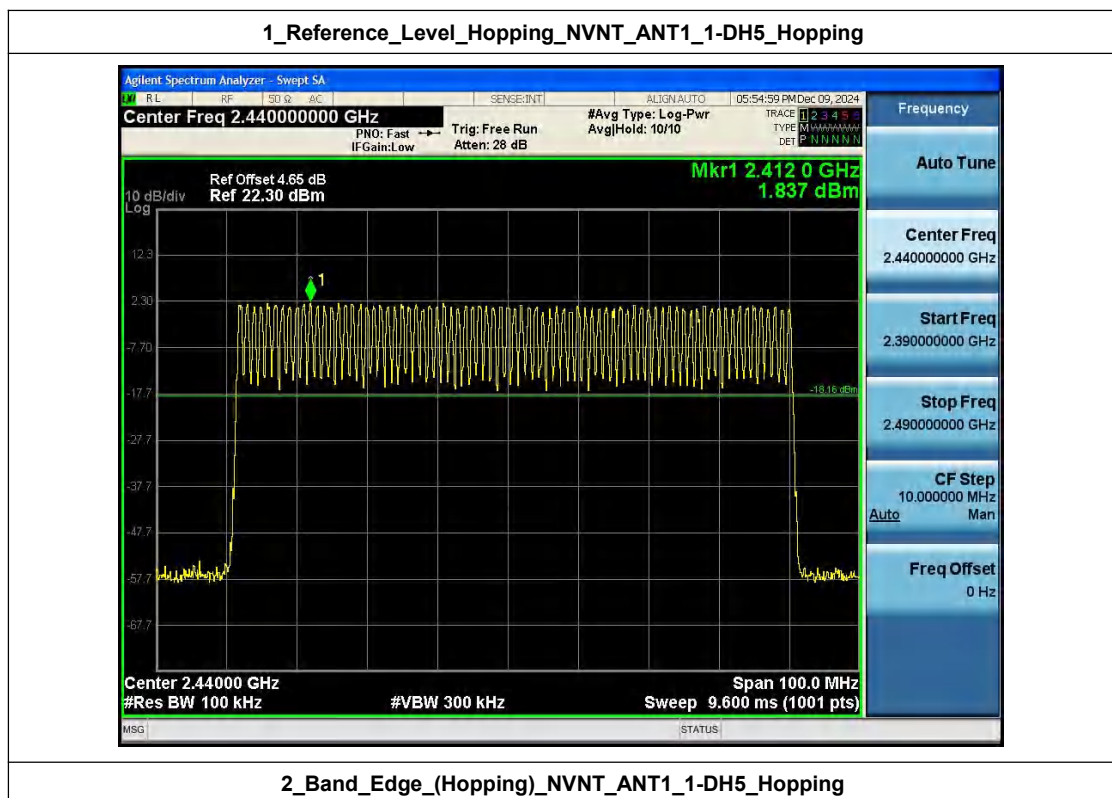
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



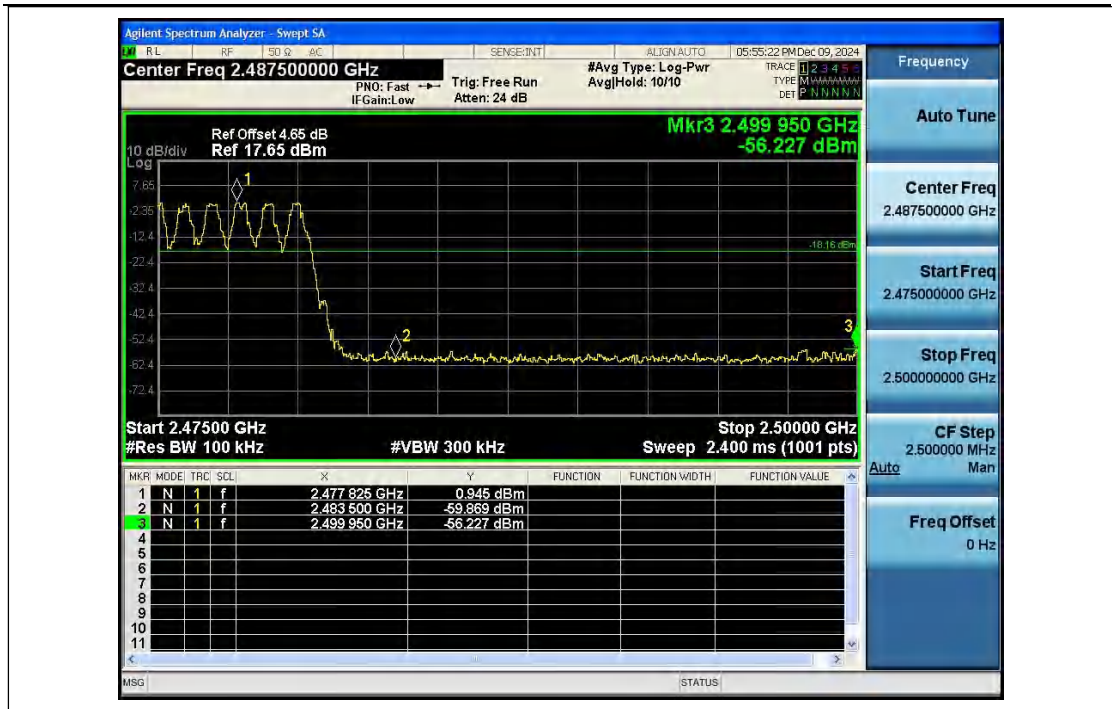
2_Bandedge_NVNT_ANT1_1-DH5_2480_00



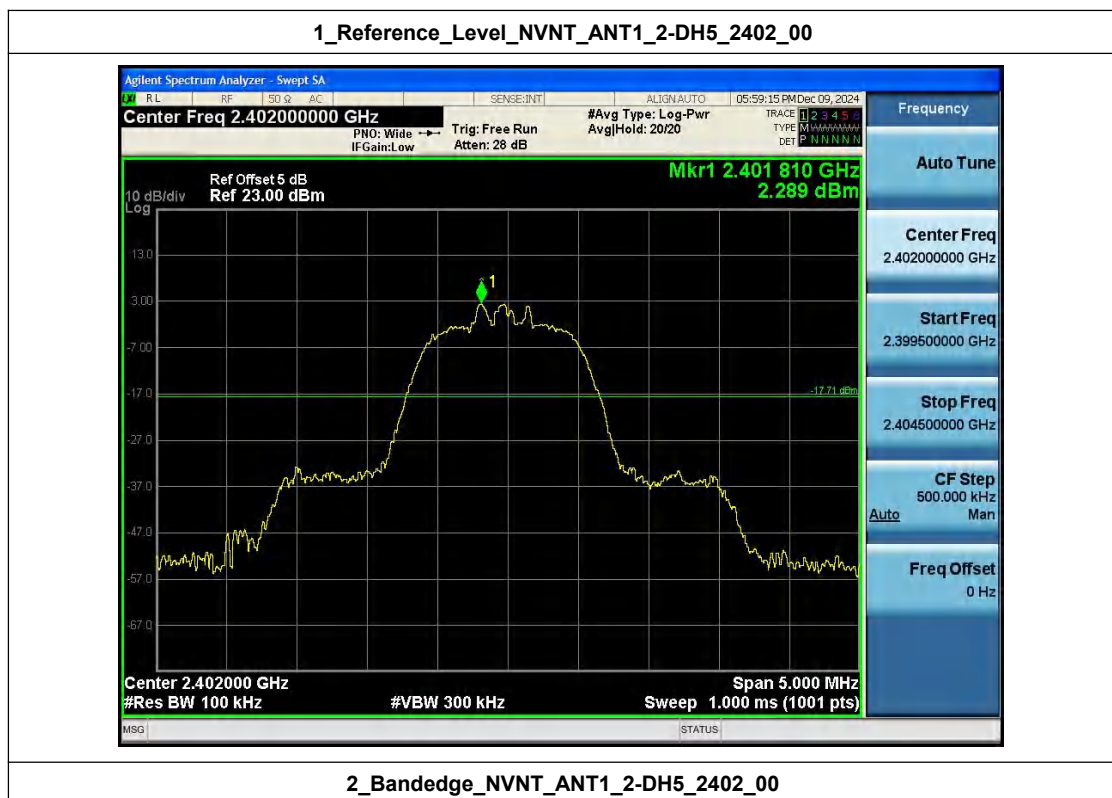
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



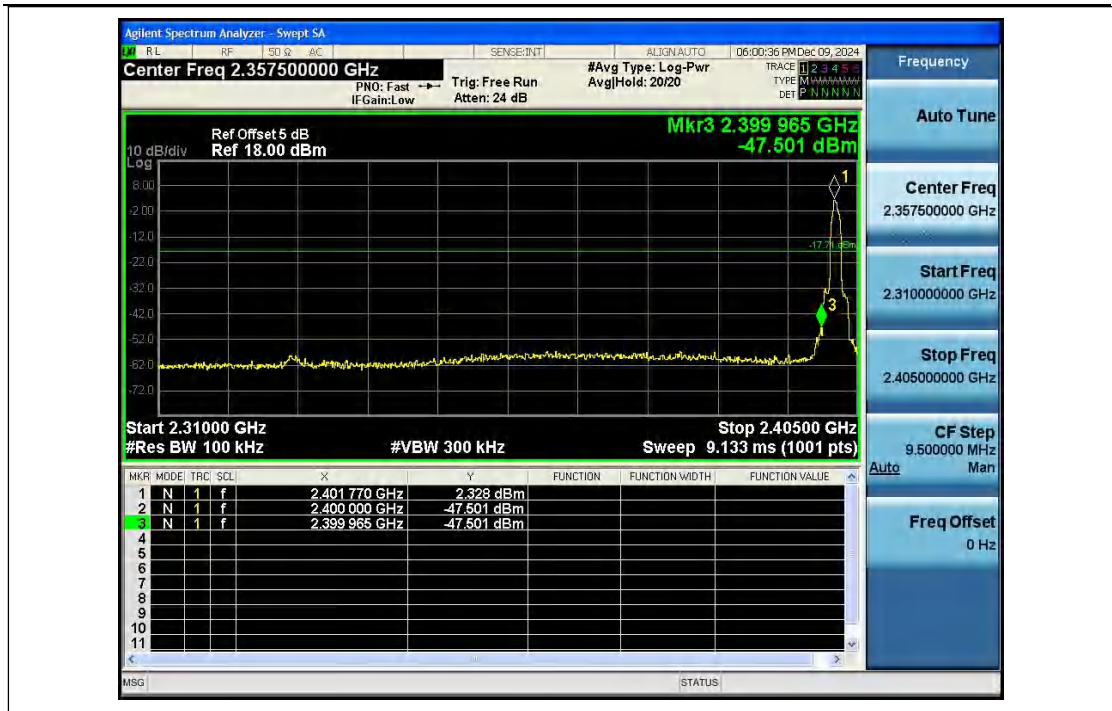
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



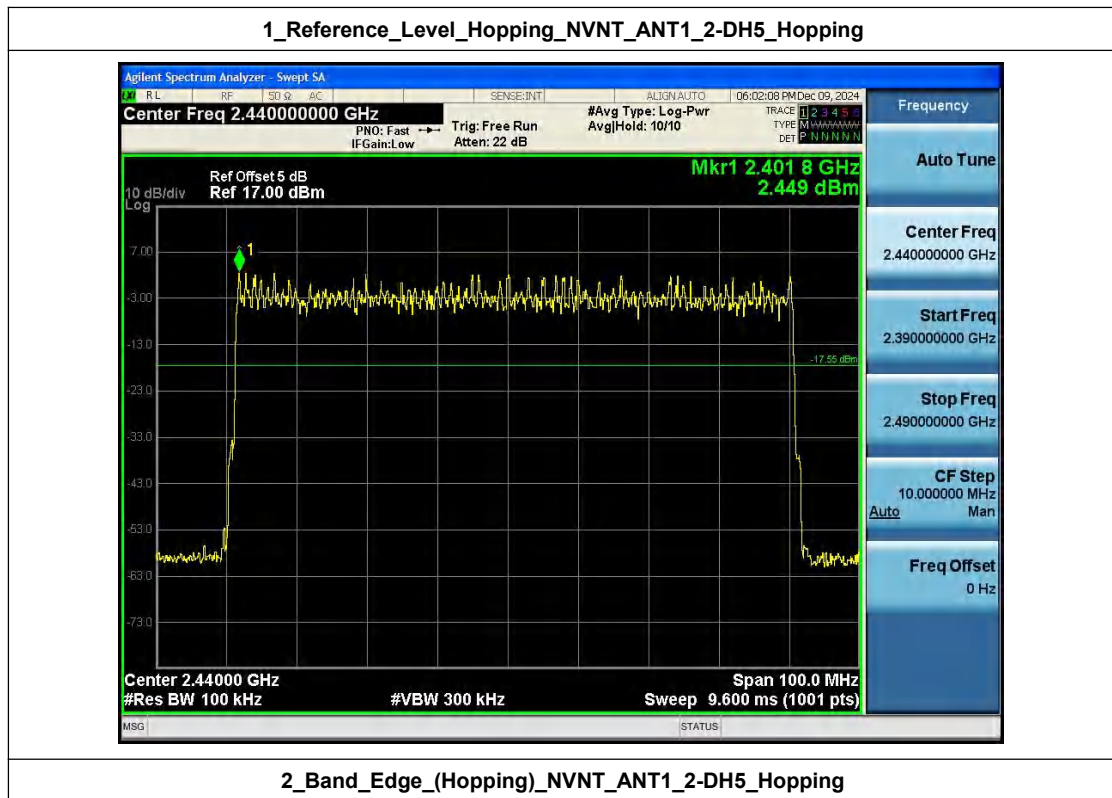
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



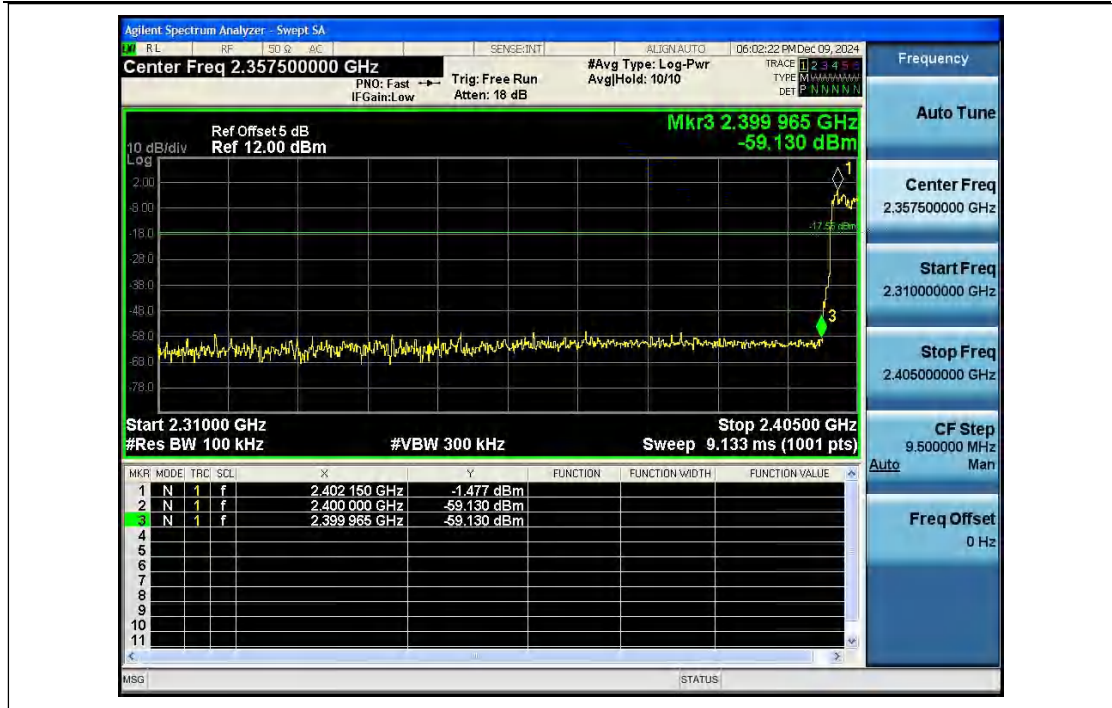
2_Bandedge_NVNT_ANT1_2-DH5_2402_00



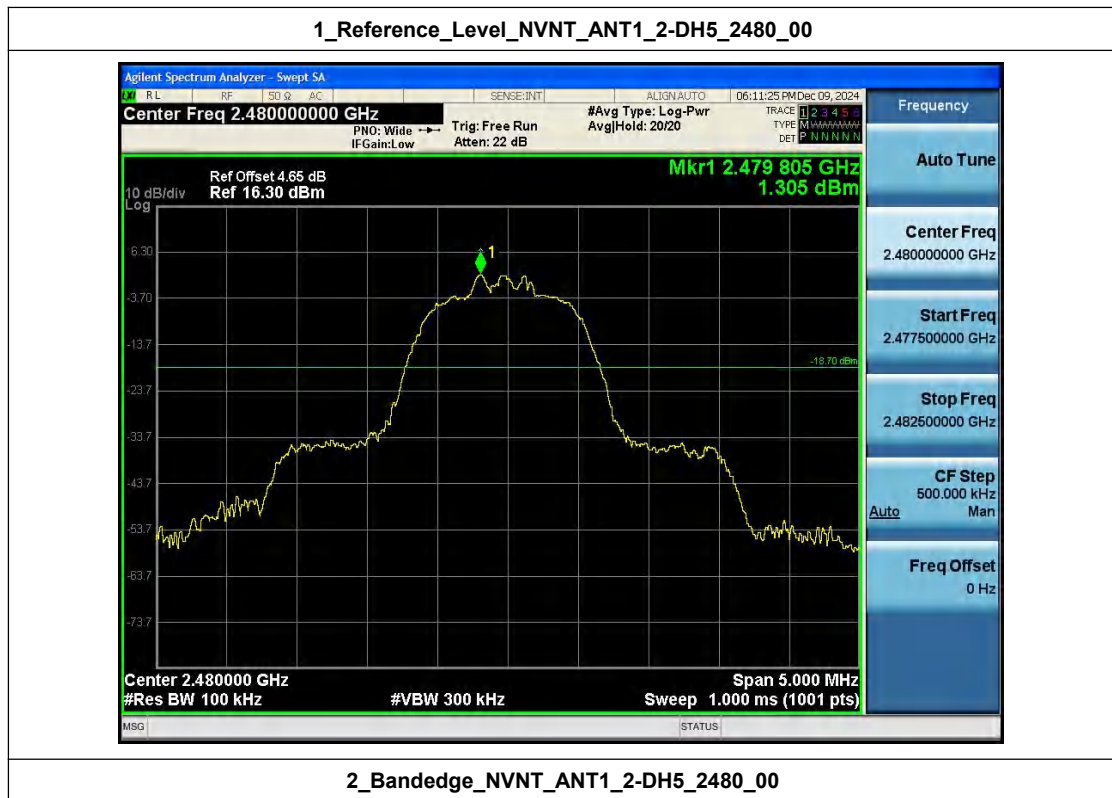
1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2480_00

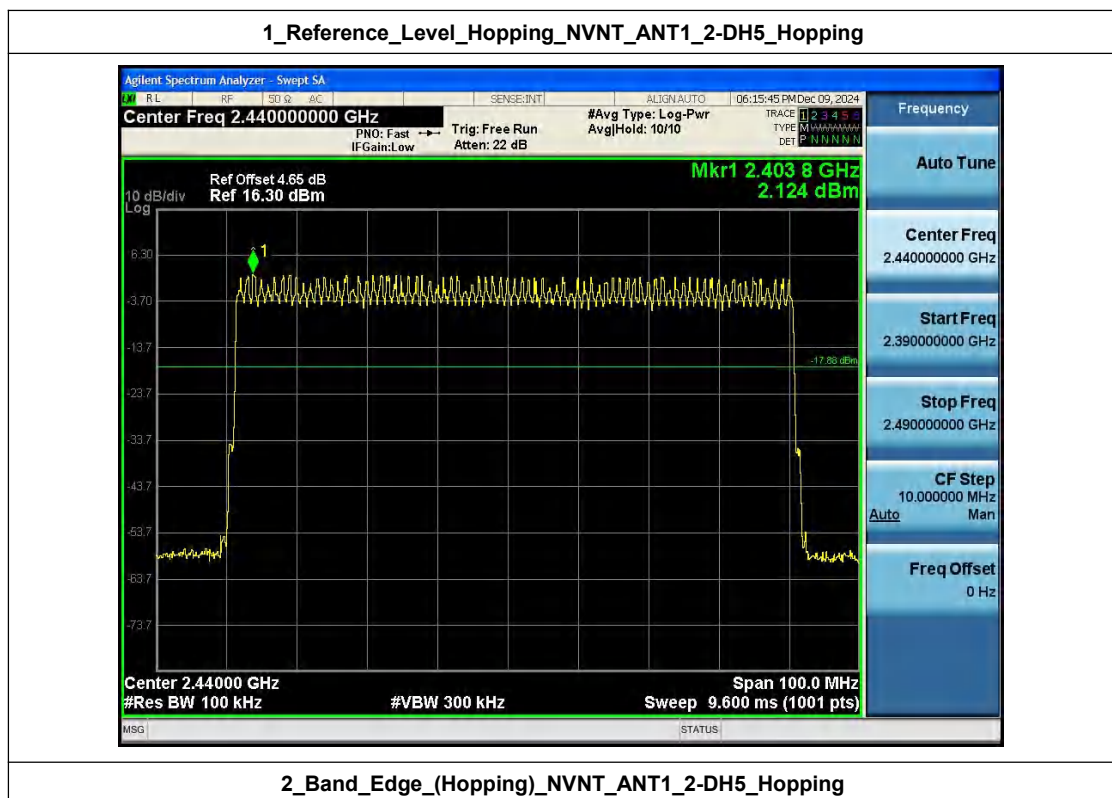


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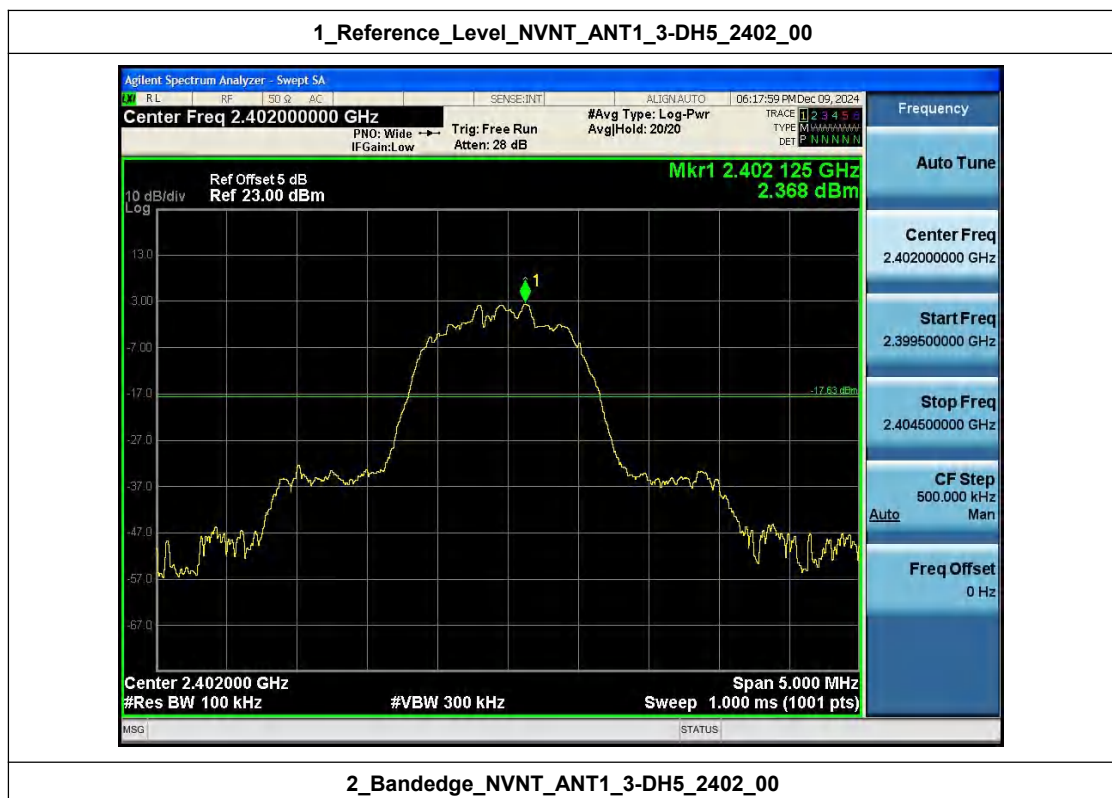
1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



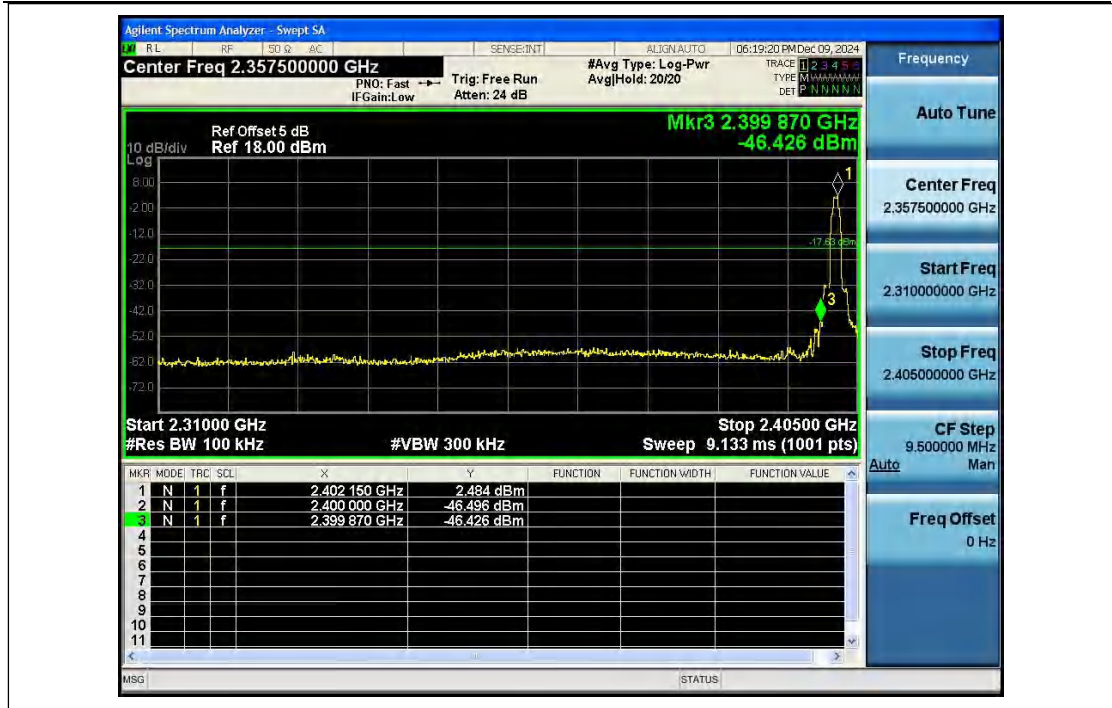
2_Bandedge_NVNT_ANT1_3-DH5_2402_00

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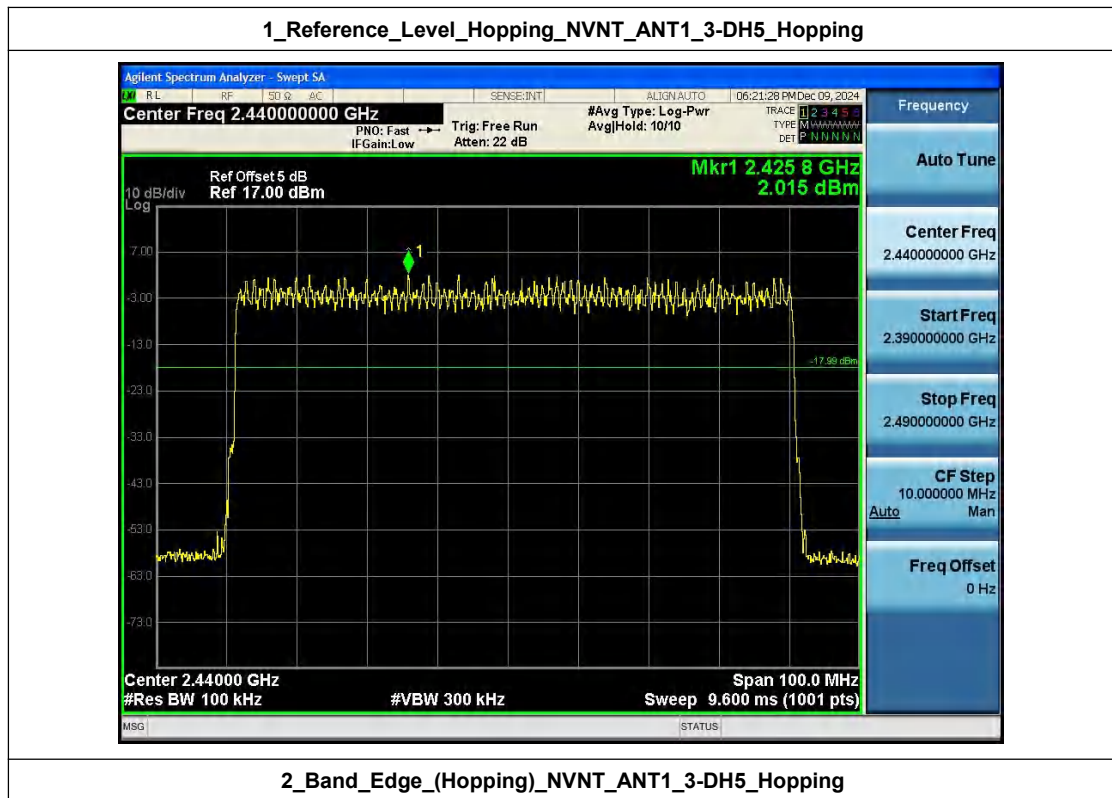
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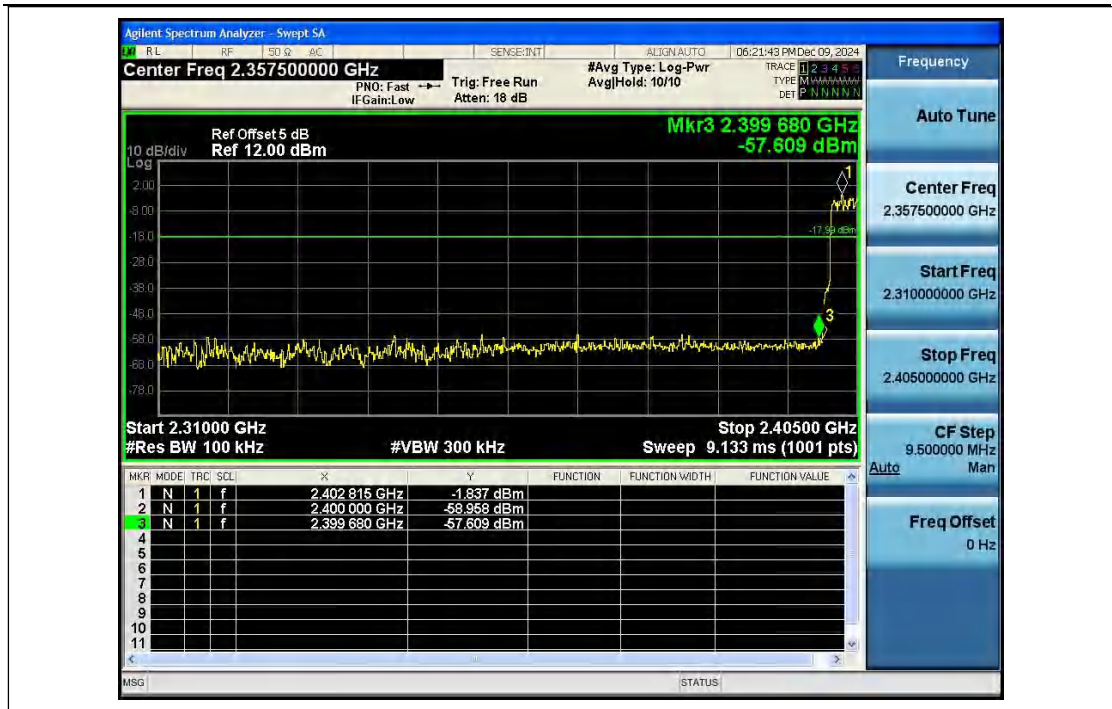


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping





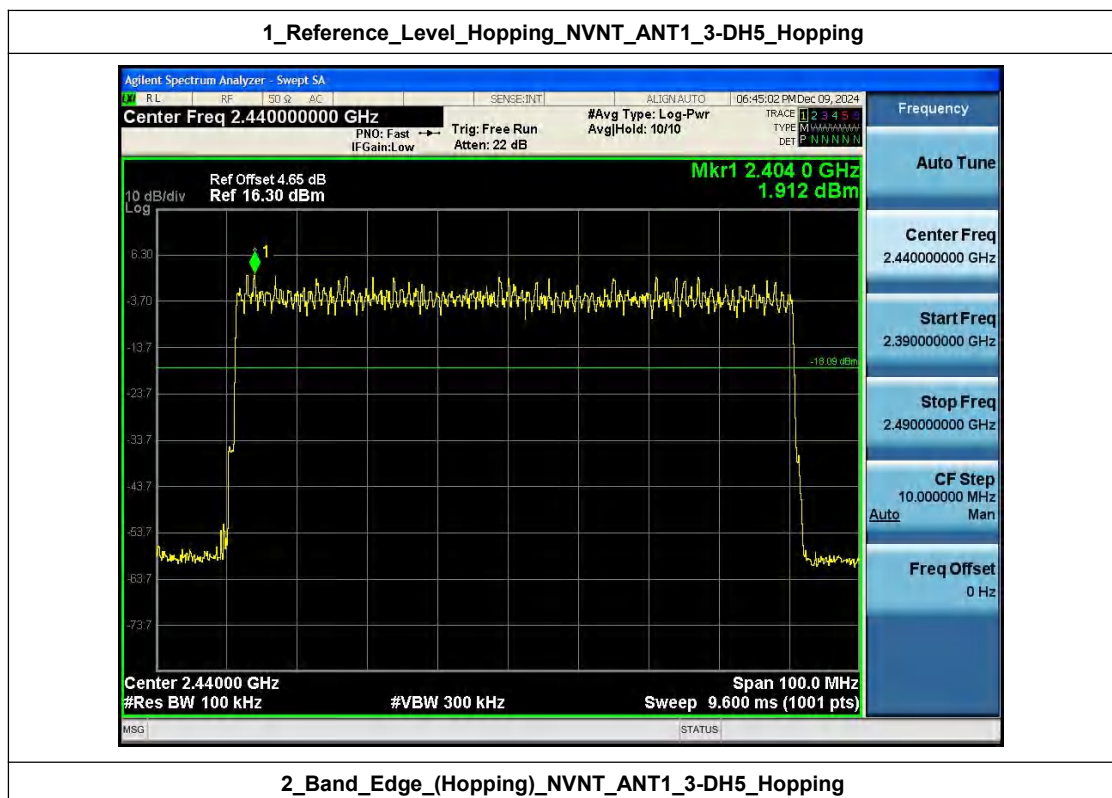
1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



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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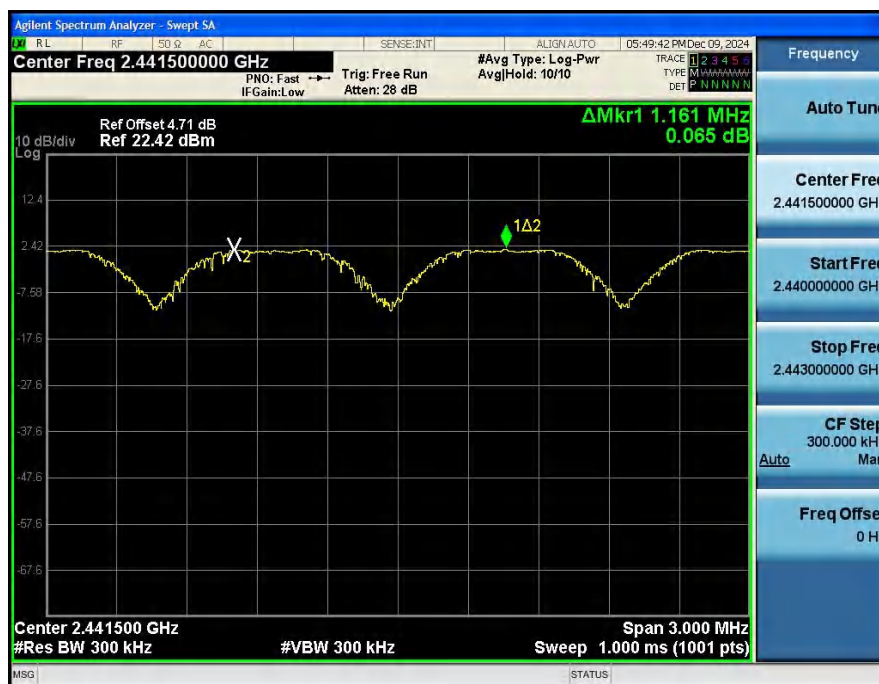


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Appendix G: Carrier Frequencies Separation (Hopping)

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	2440.801	2441.962	1.16	0.681	Pass
NVNT	ANT1	2-DH5	2441.00	2441.128	2442.154	1.03	0.877	Pass
NVNT	ANT1	3-DH5	2441.00	2440.786	2441.791	1.00	0.871	Pass

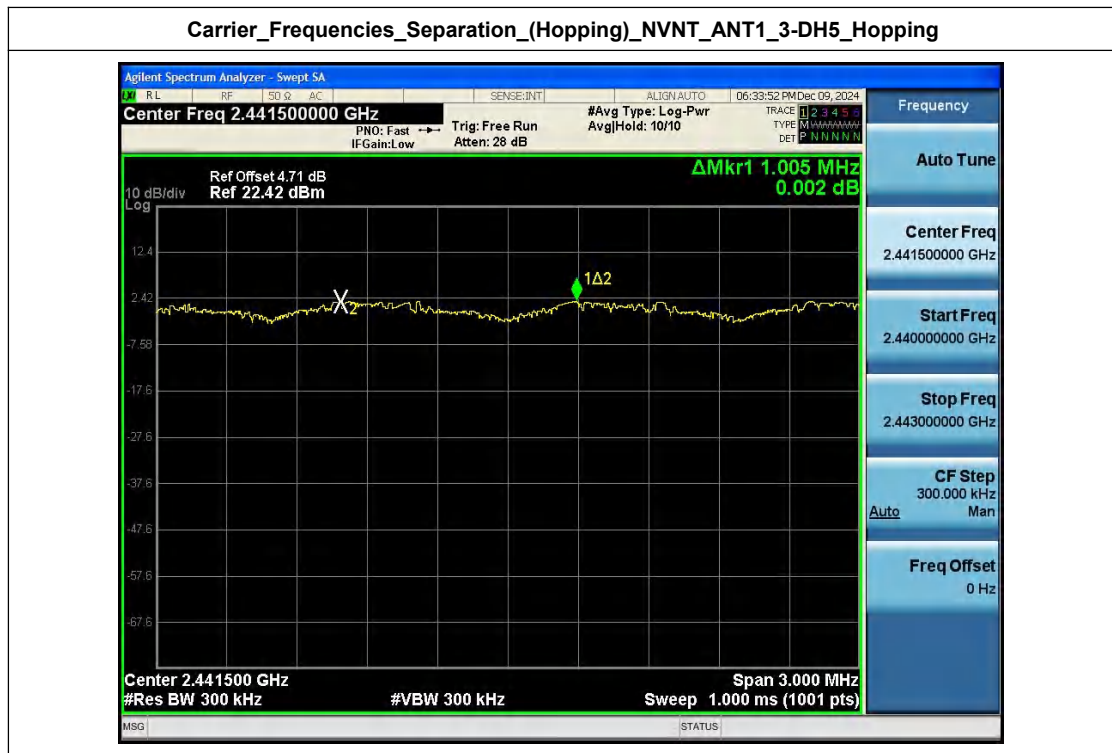
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



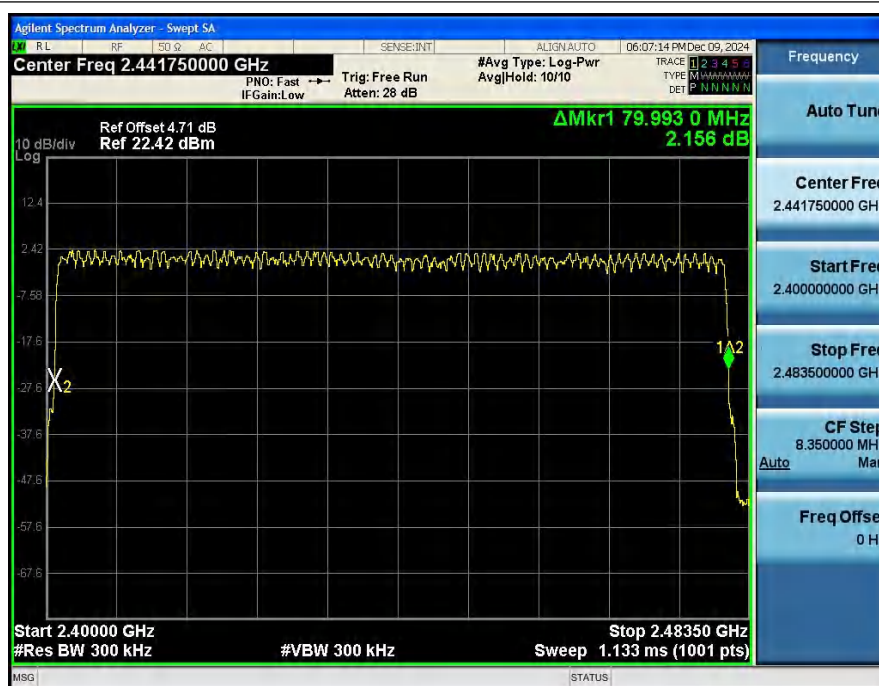
Appendix H: Number of Hopping Channel (Hopping)

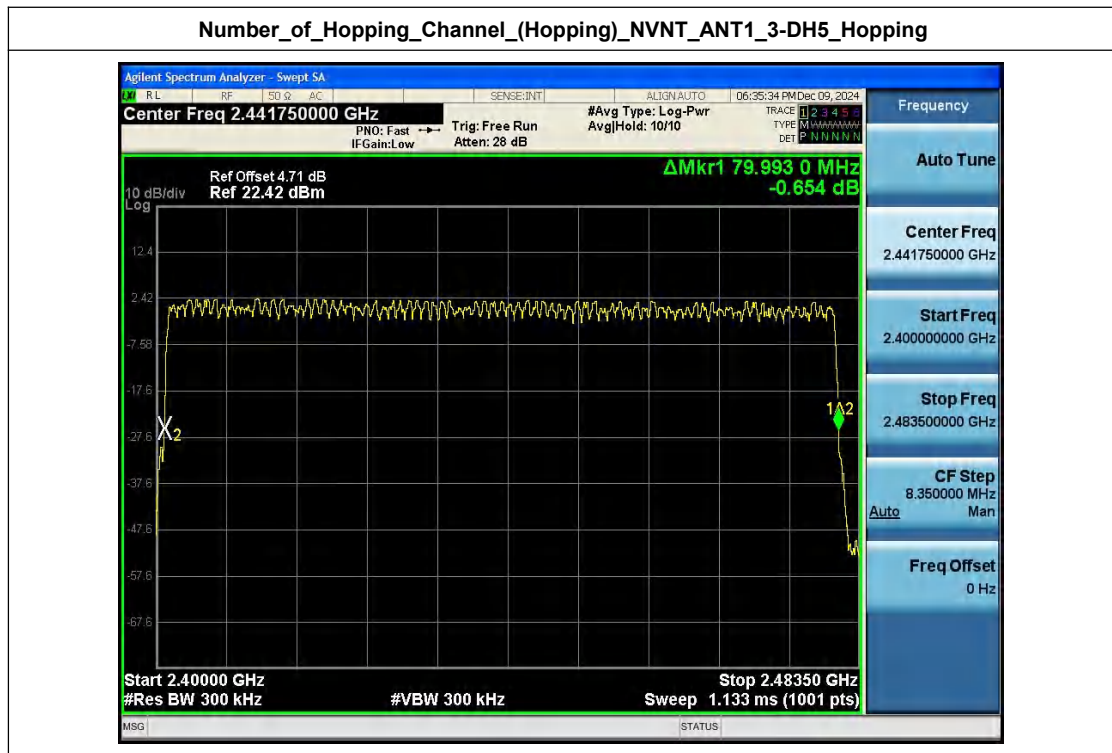
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping





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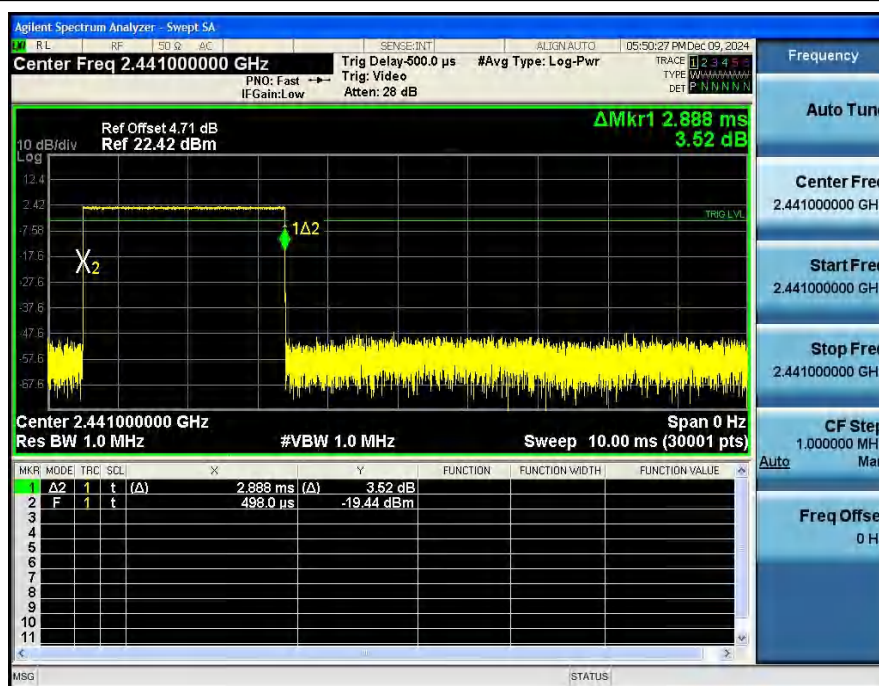
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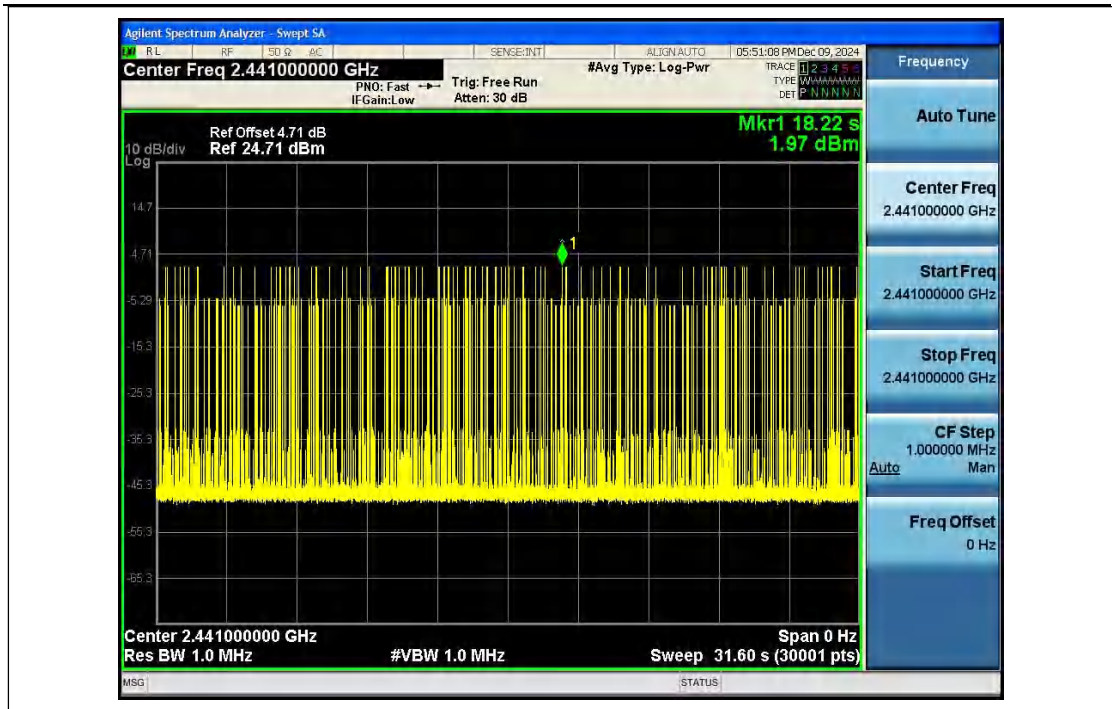
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.888	100.00	288.800	0.40	Pass
NVNT	ANT1	2-DH5	2.893	105.00	303.765	0.40	Pass
NVNT	ANT1	3-DH5	2.895	122.00	353.190	0.40	Pass
NVNT	ANT1	1-DH1	0.384	318.00	122.112	0.40	Pass
NVNT	ANT1	1-DH3	1.640	160.00	262.400	0.40	Pass
NVNT	ANT1	2-DH1	0.393	319.00	125.367	0.40	Pass
NVNT	ANT1	2-DH3	1.645	151.00	248.395	0.40	Pass
NVNT	ANT1	3-DH1	0.393	319.00	125.367	0.40	Pass
NVNT	ANT1	3-DH3	1.644	152.00	249.888	0.40	Pass

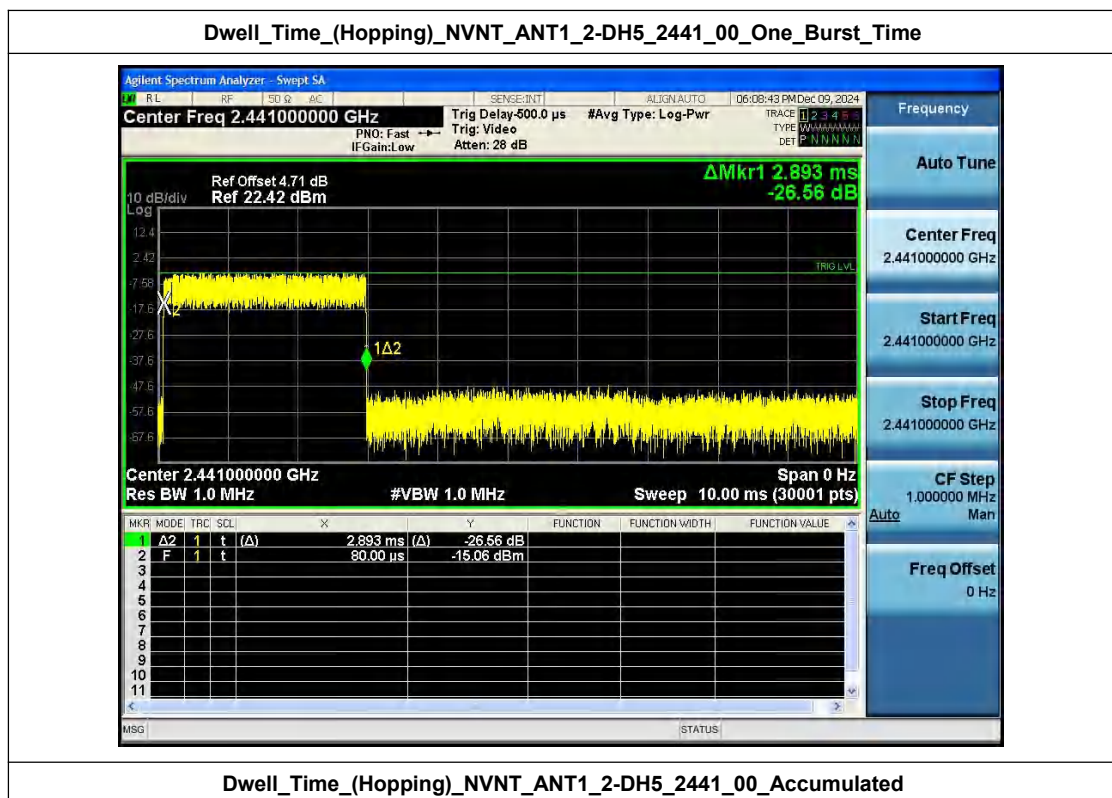
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



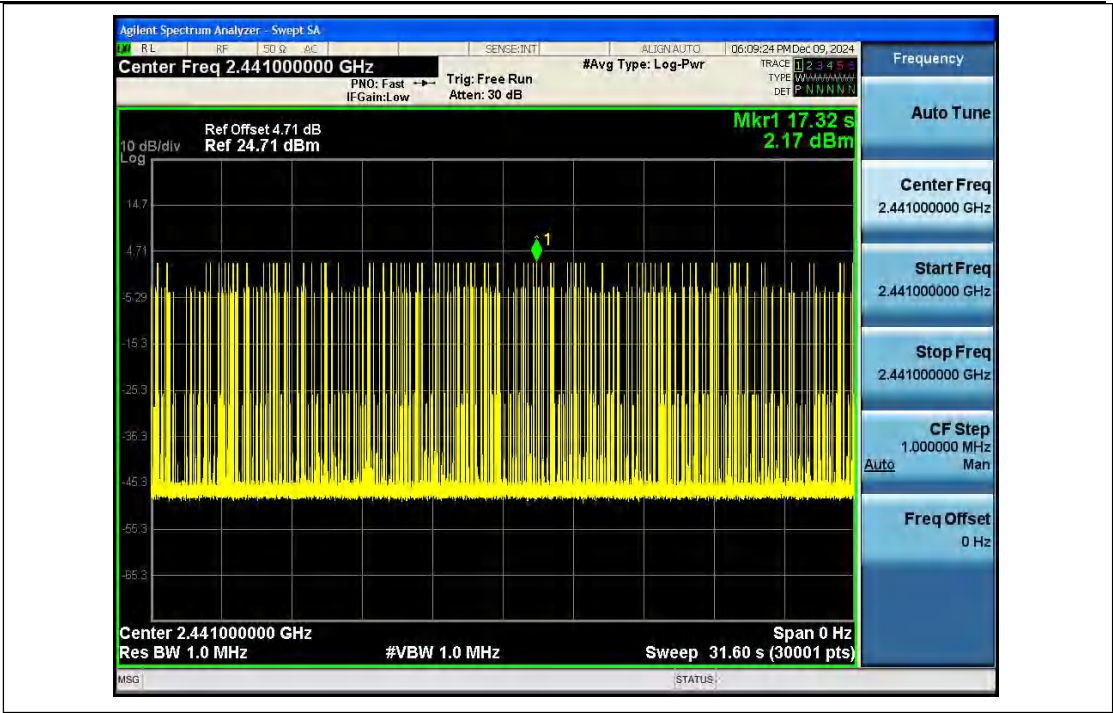
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



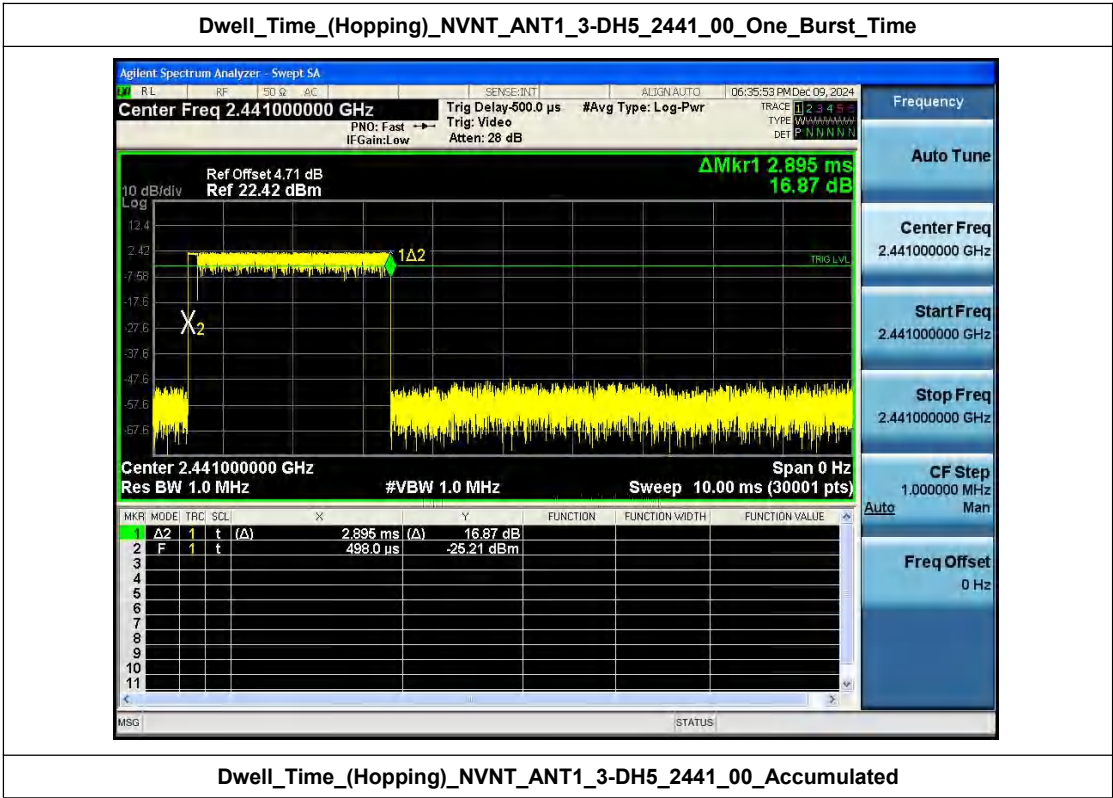
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



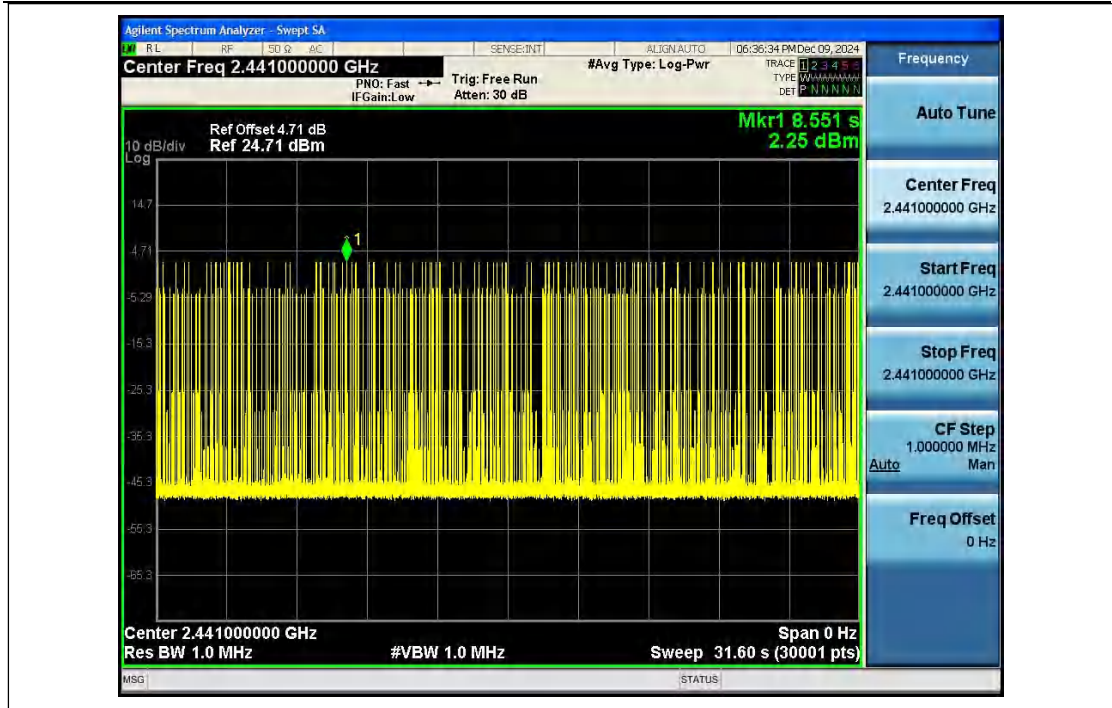
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



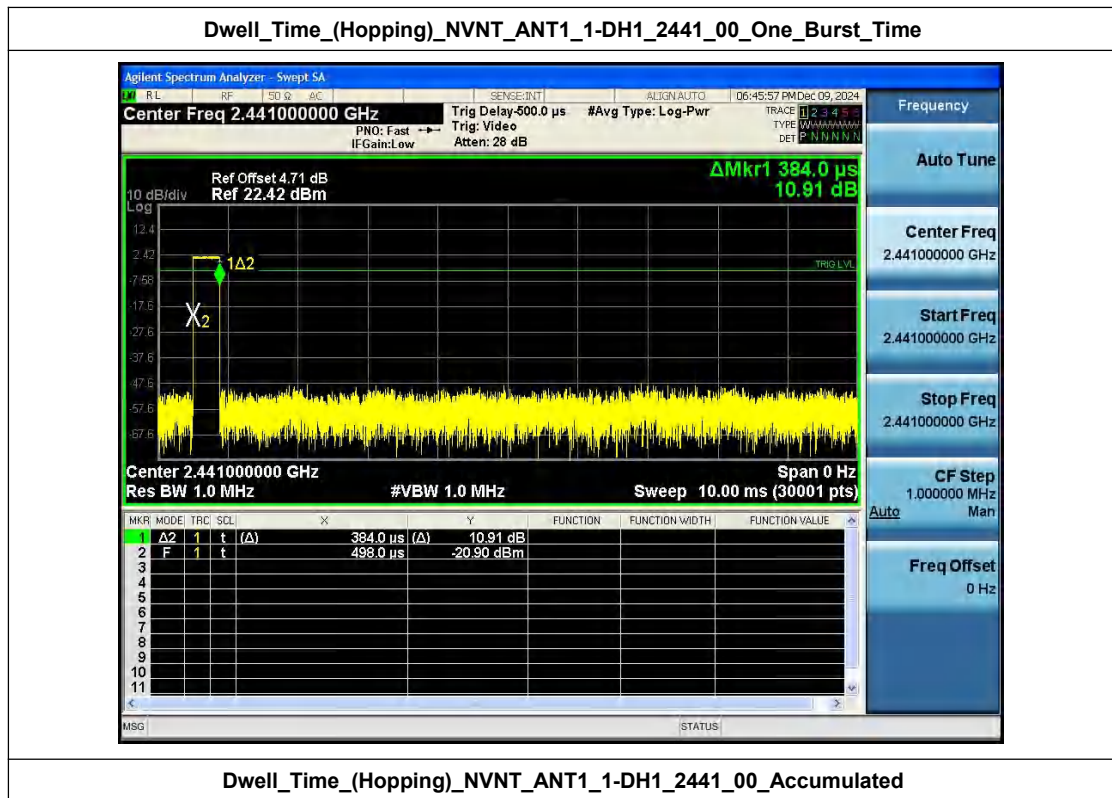
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated

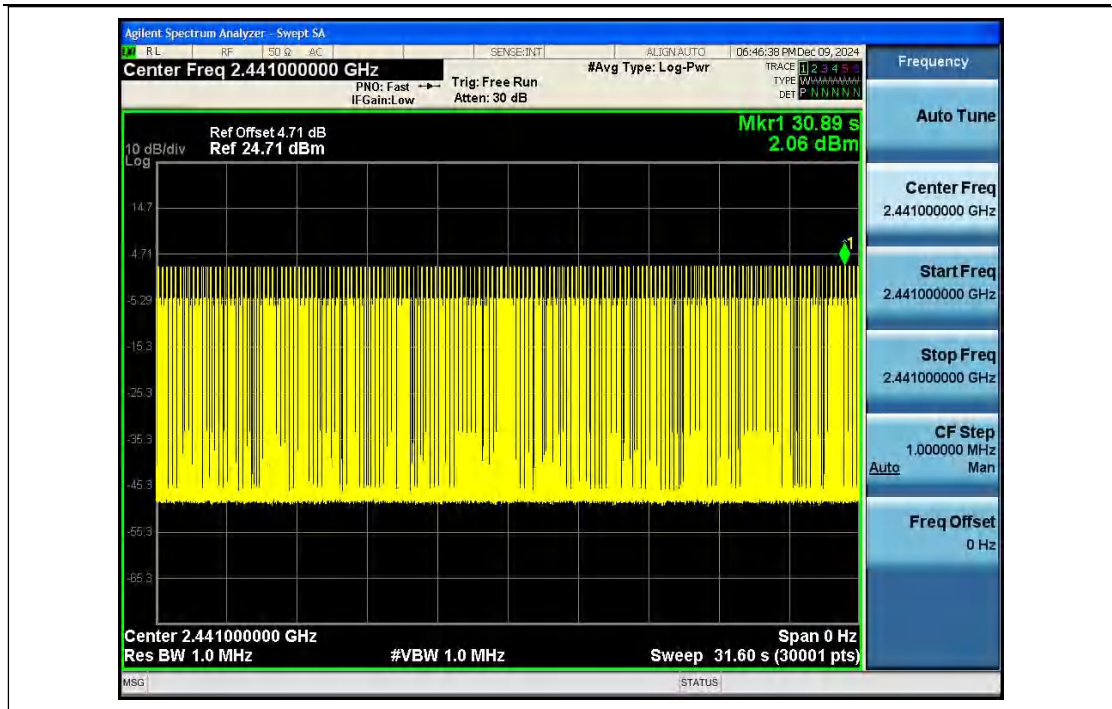


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time

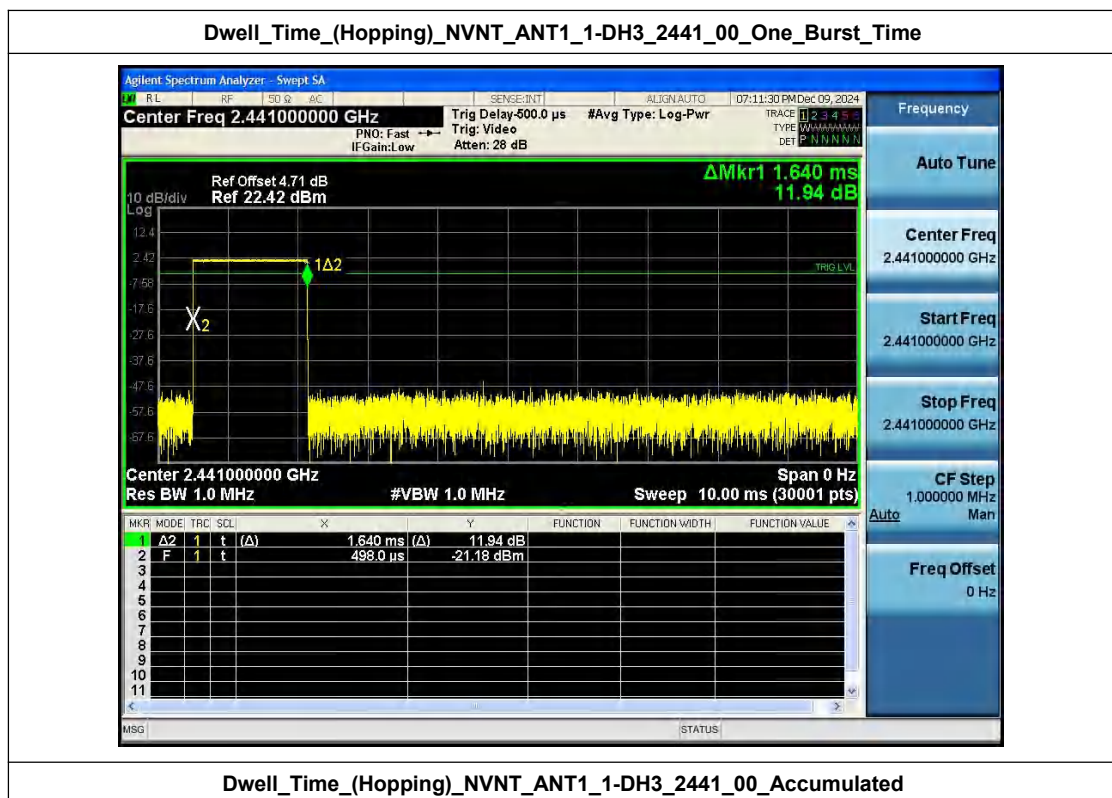


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_Accumulated

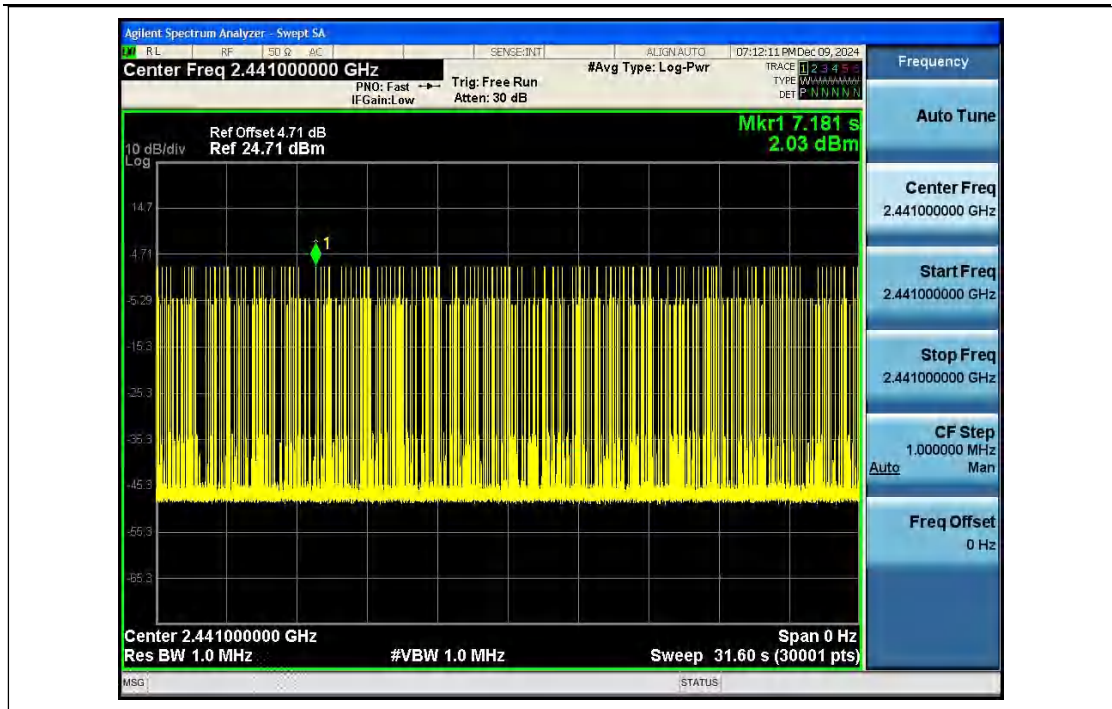




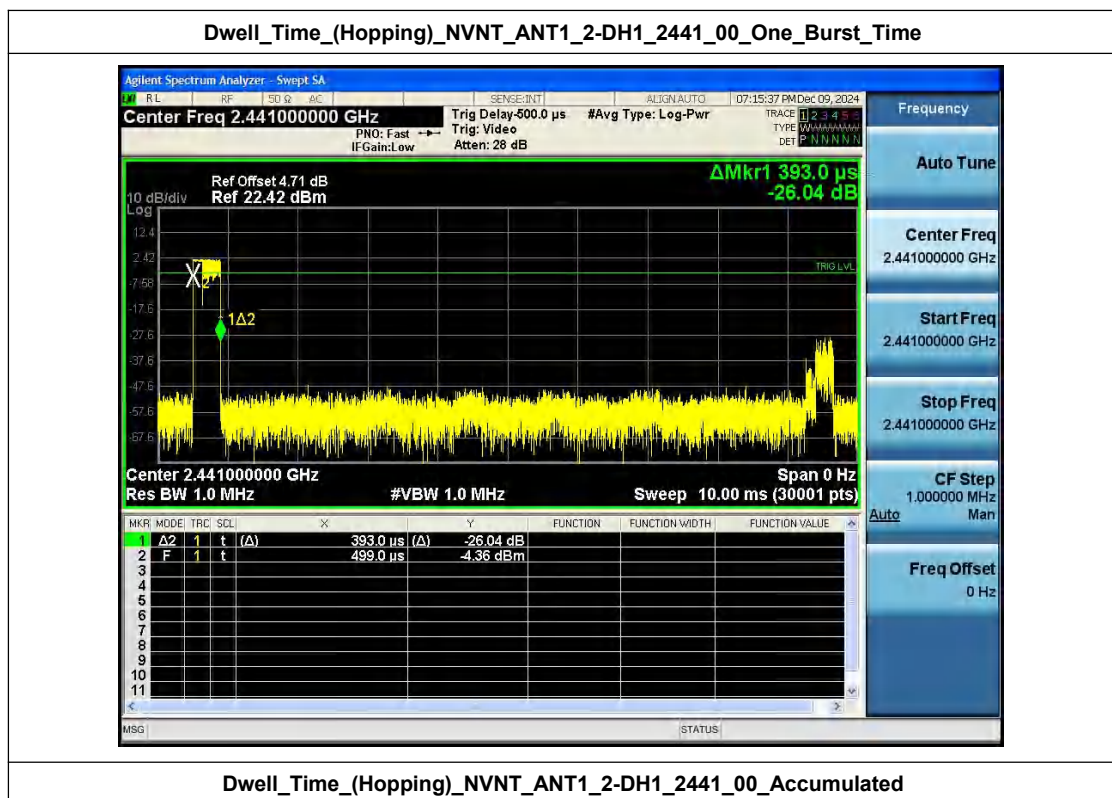
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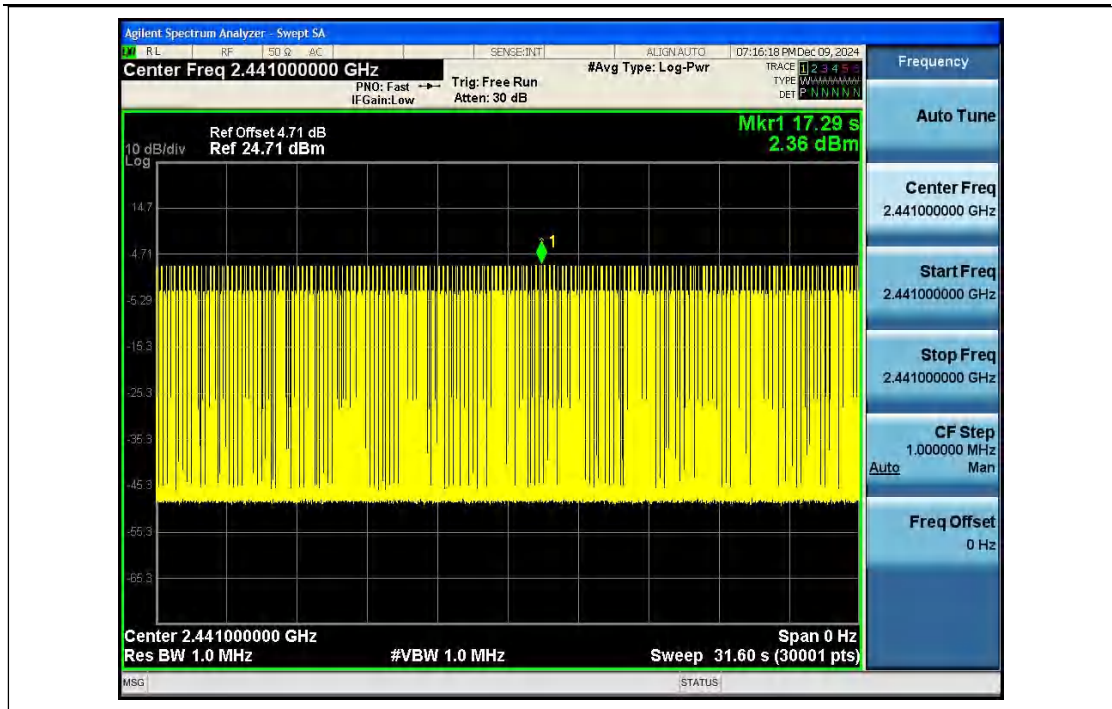
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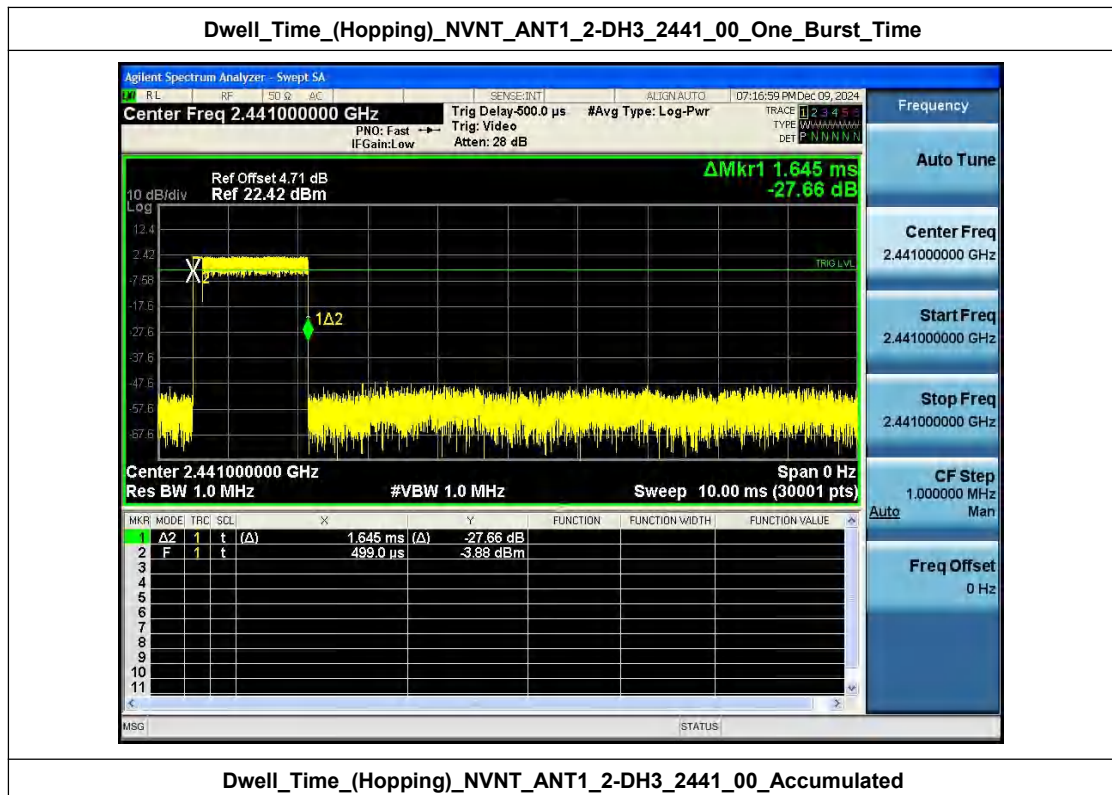
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_Accumulated

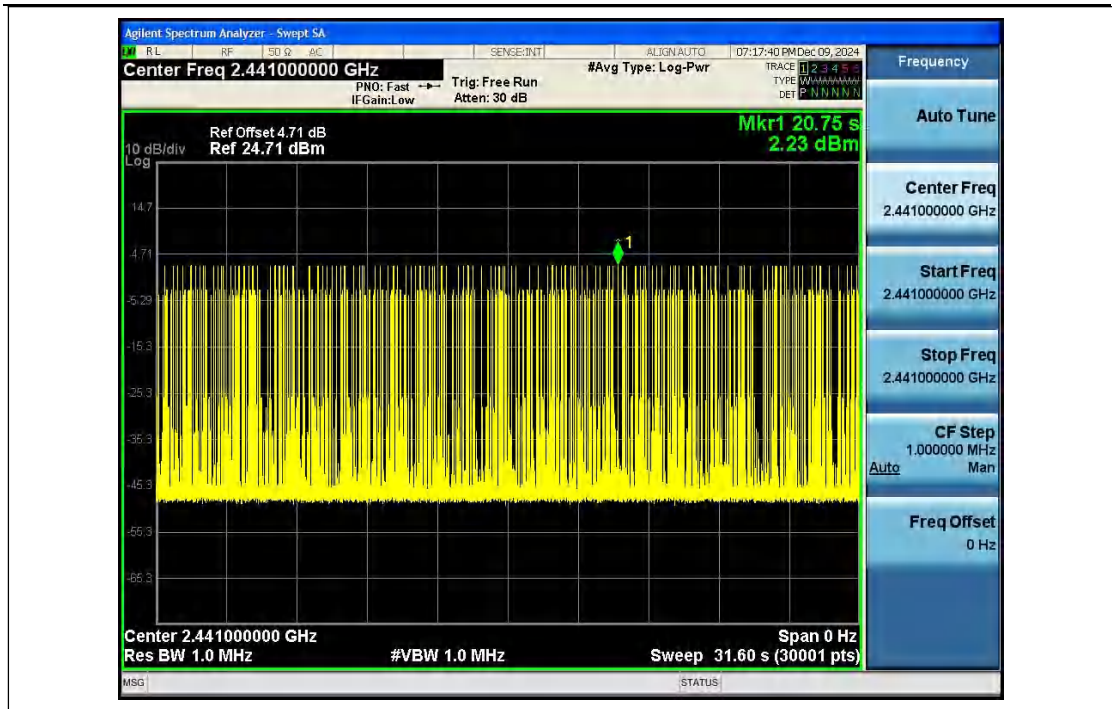


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time

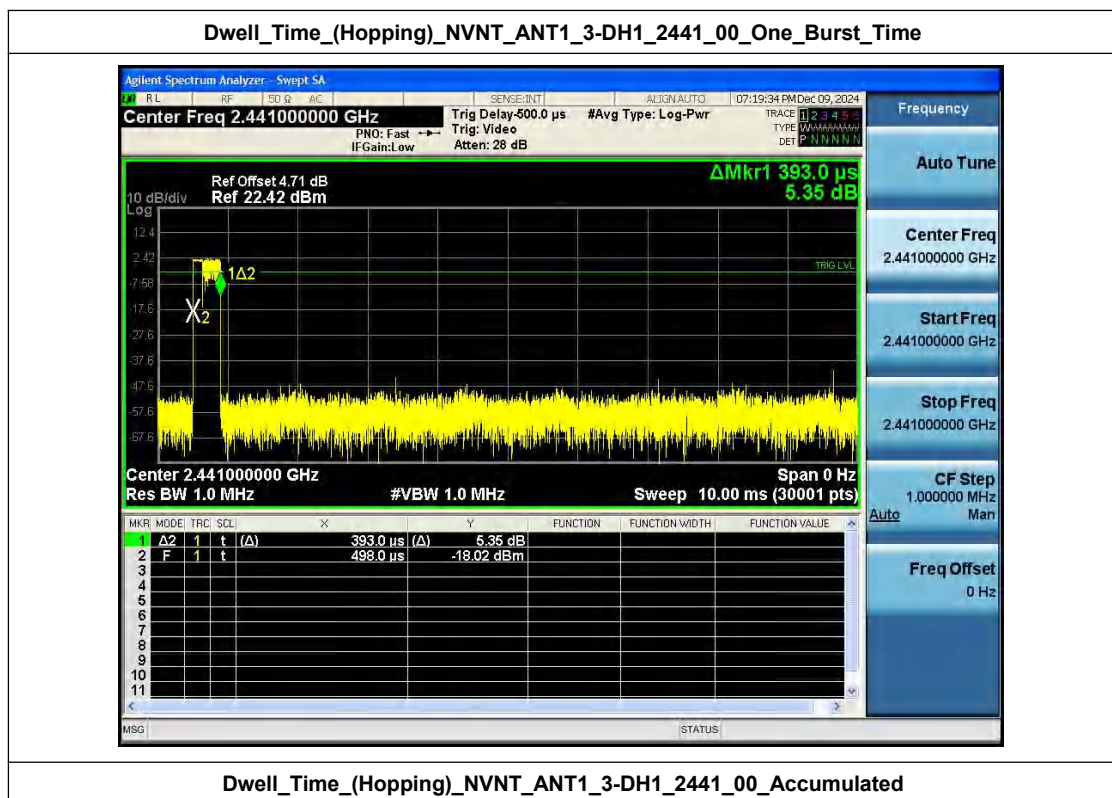


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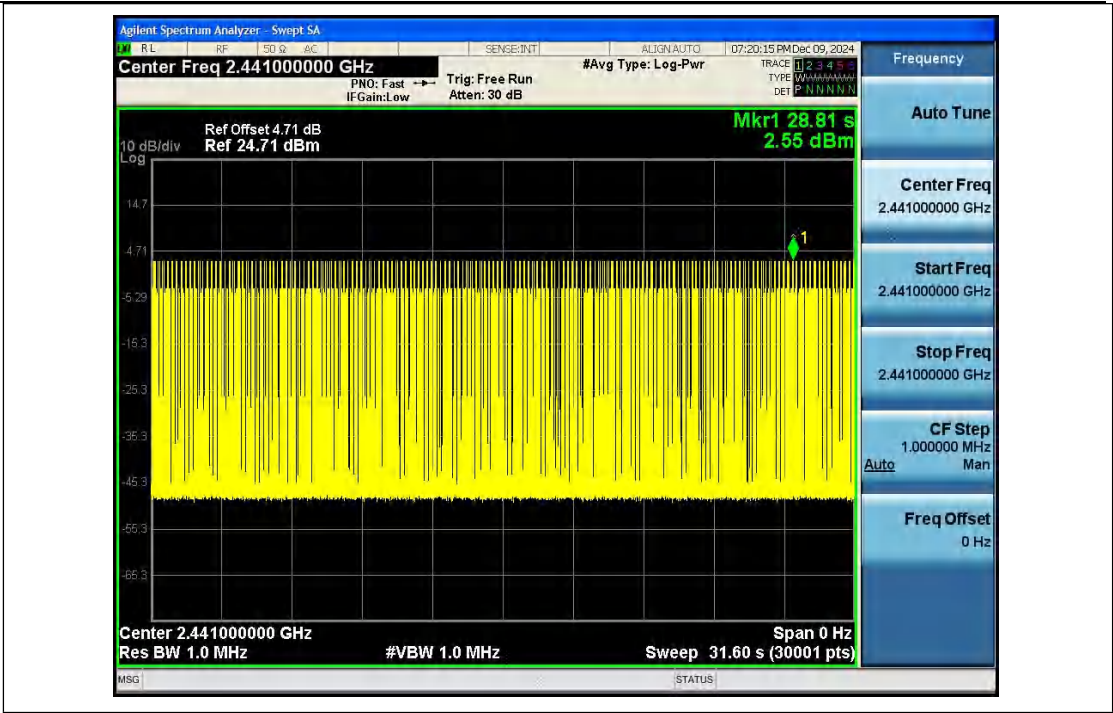




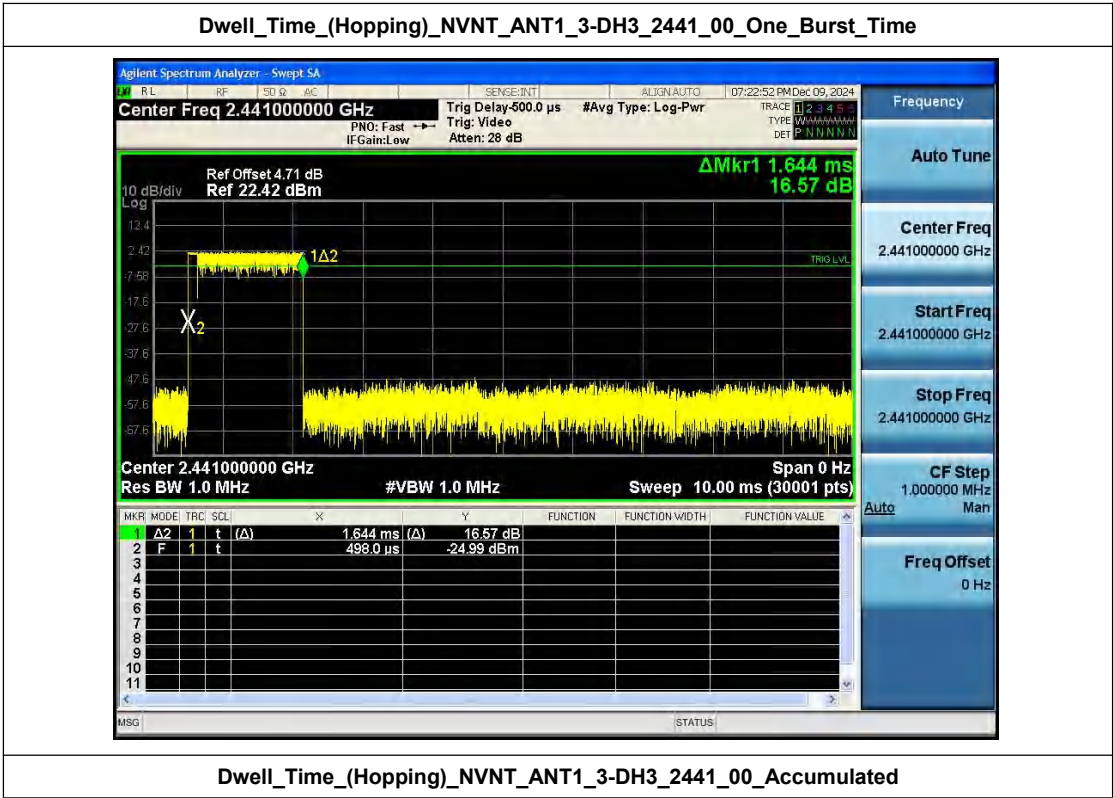
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



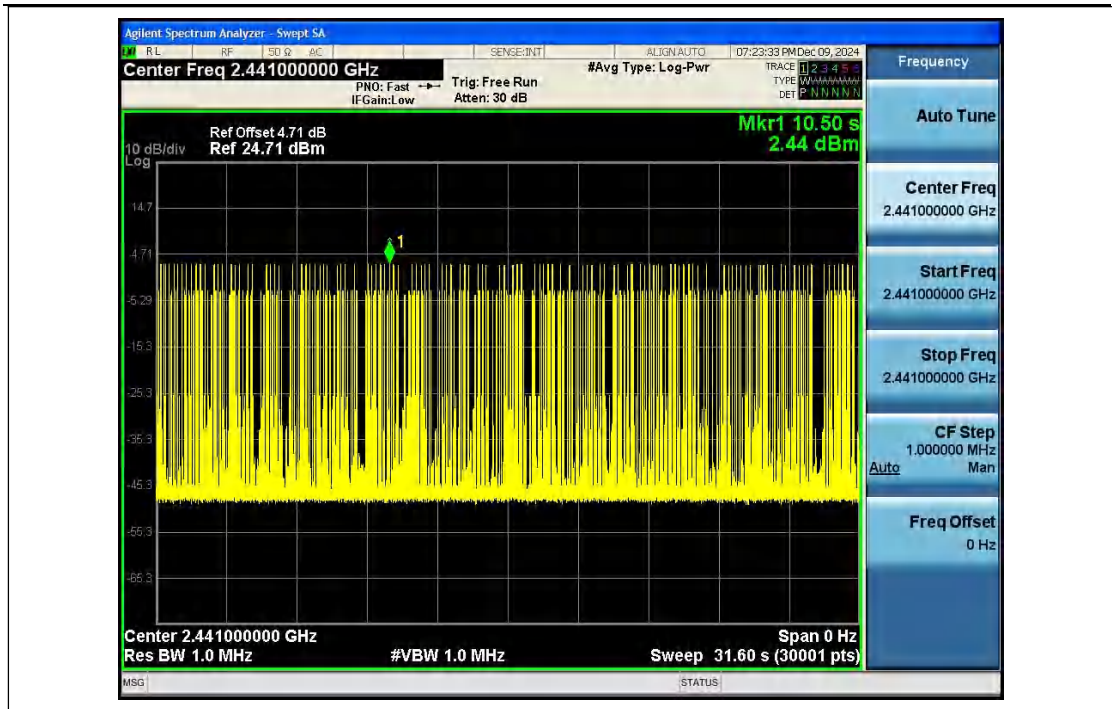
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



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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