

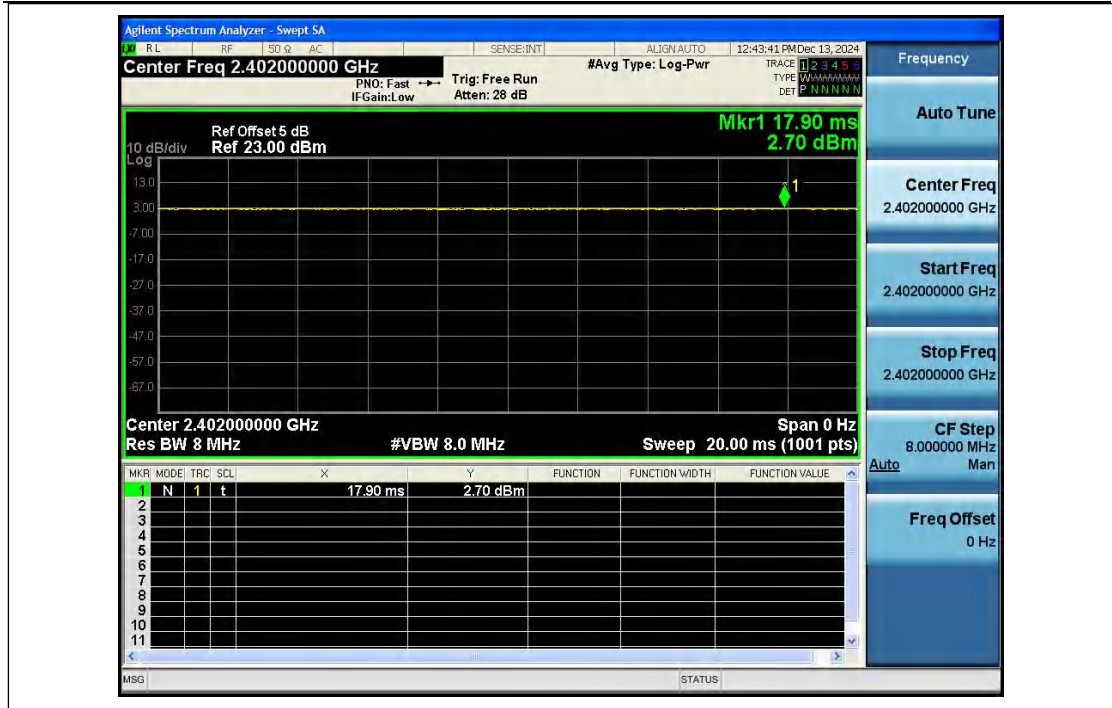
Appendix Test Data

Report No.:	1812C40174312501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.11	Finish Test Date:	2024.12.13
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.8°C	Relative Humidity:	50%
Pressure:	101kPa		

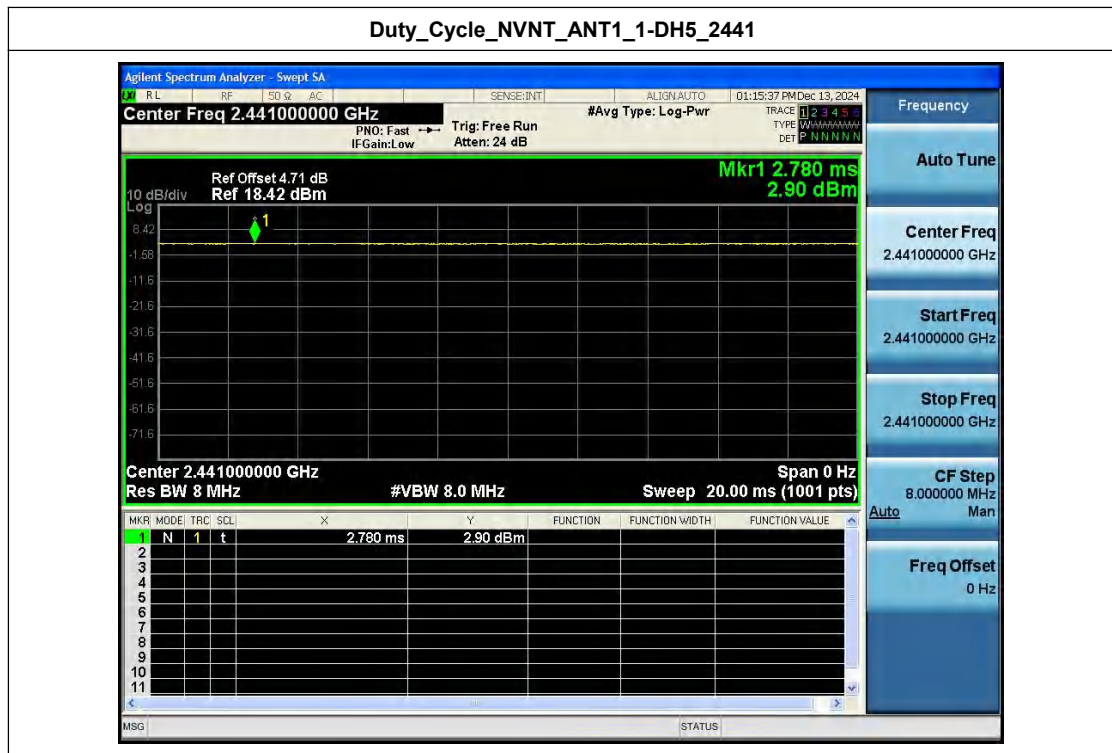
Appendix A: Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	100	0.00
NVNT	ANT1	1-DH5	2441.00	100	0.00
NVNT	ANT1	1-DH5	2480.00	100	0.00
NVNT	ANT1	2-DH5	2402.00	100	0.00
NVNT	ANT1	2-DH5	2441.00	100	0.00
NVNT	ANT1	2-DH5	2480.00	100	0.00
NVNT	ANT1	3-DH5	2402.00	100	0.00
NVNT	ANT1	3-DH5	2441.00	100	0.00
NVNT	ANT1	3-DH5	2480.00	100	0.00

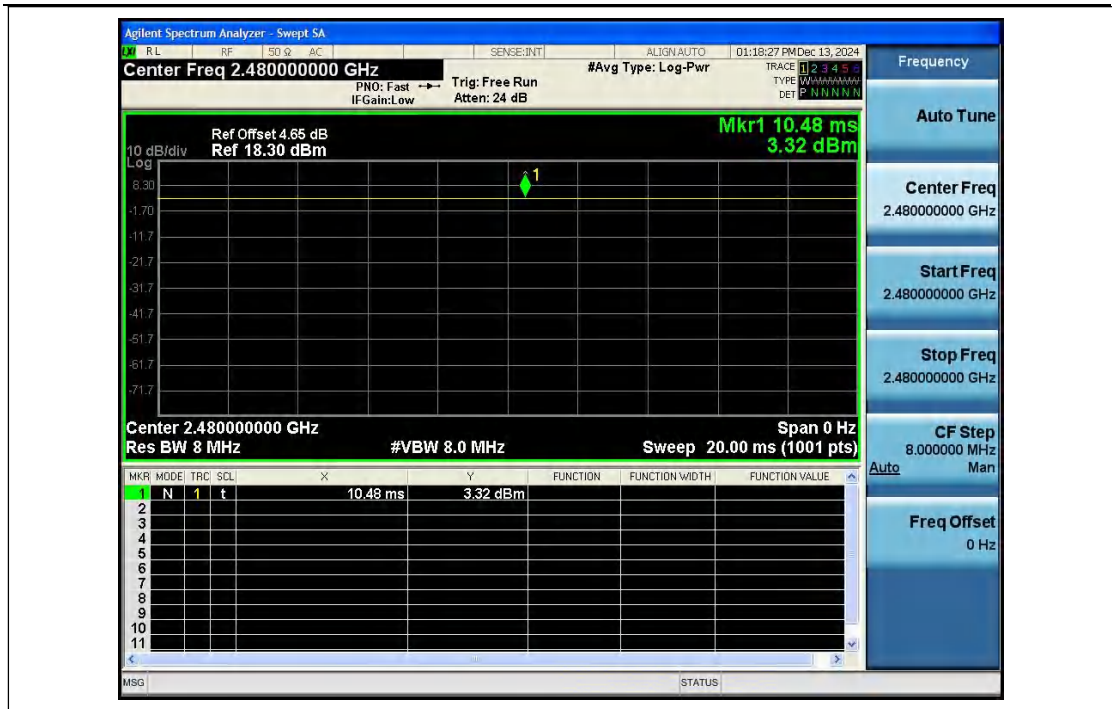
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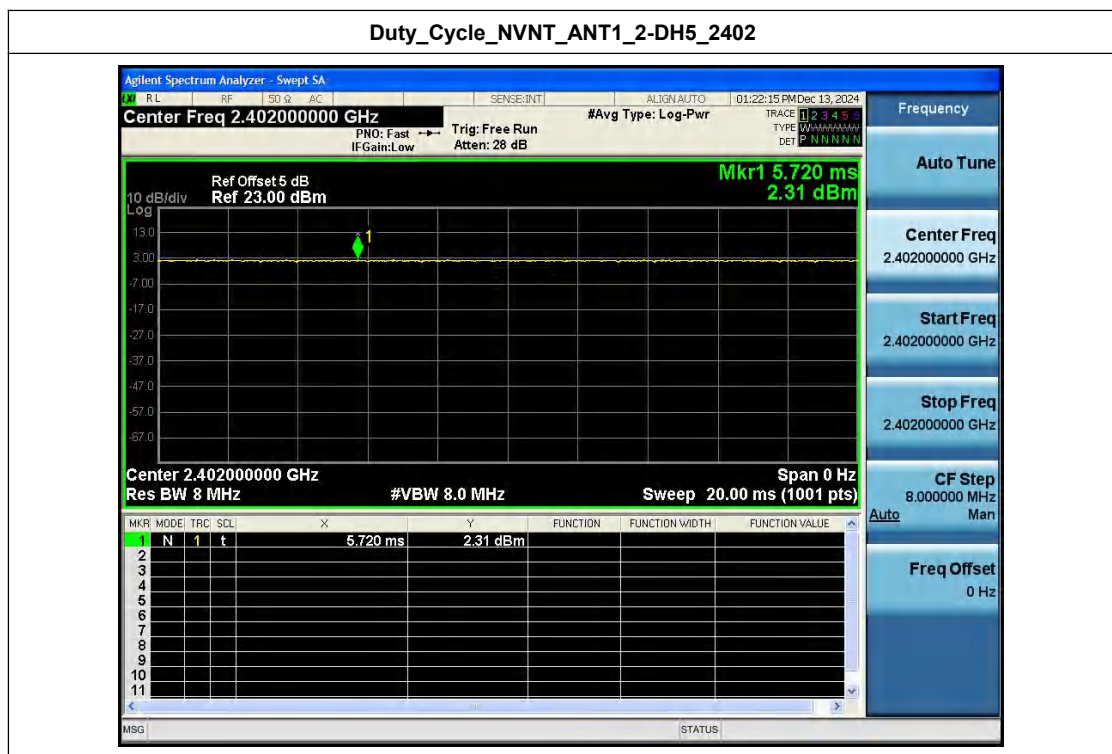
Duty_Cycle_NVNT_ANT1_1-DH5_2441



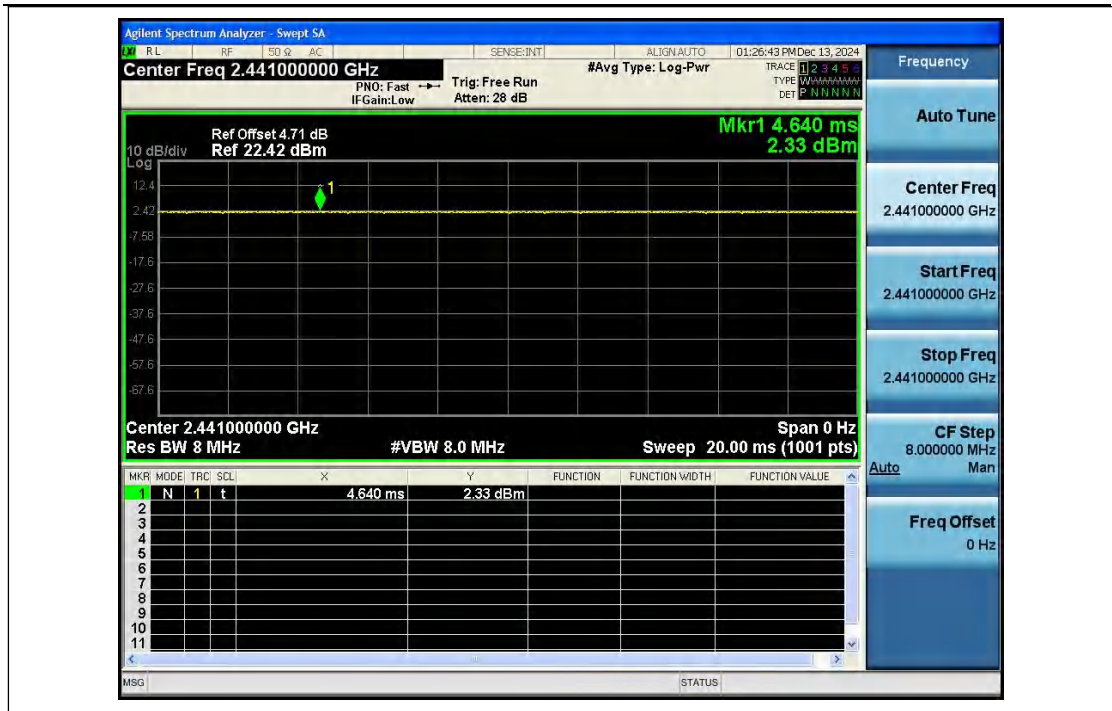
Duty_Cycle_NVNT_ANT1_1-DH5_2480



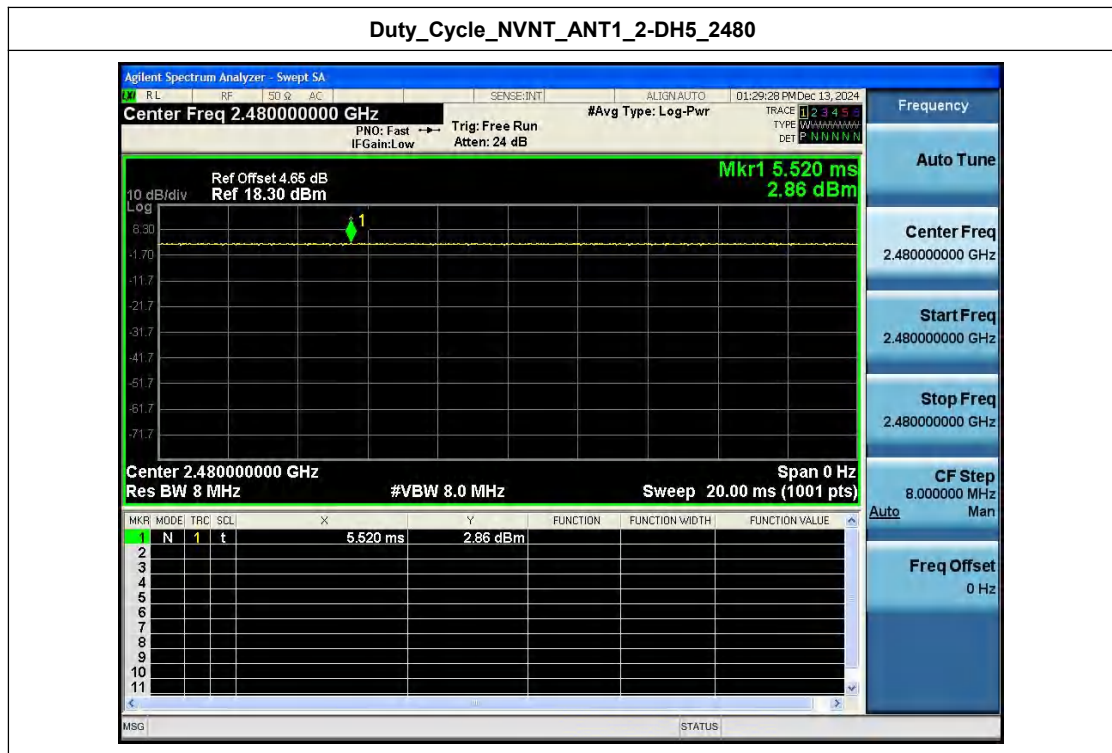
Duty_Cycle_NVNT_ANT1_2-DH5_2402



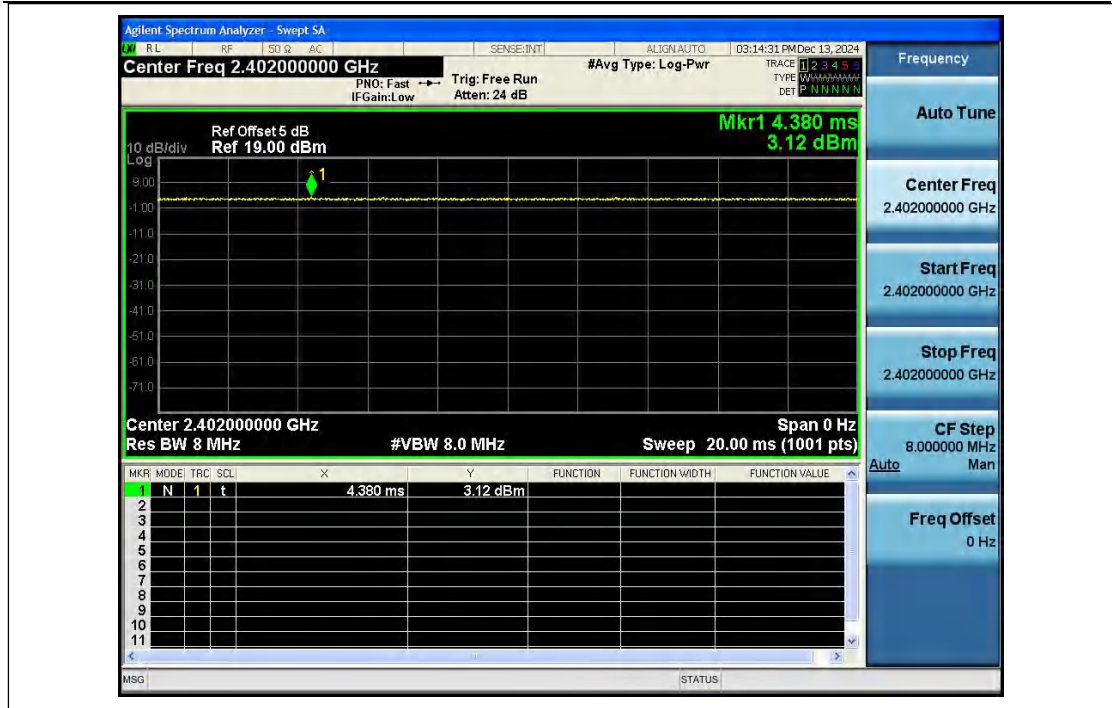
Duty_Cycle_NVNT_ANT1_2-DH5_2441



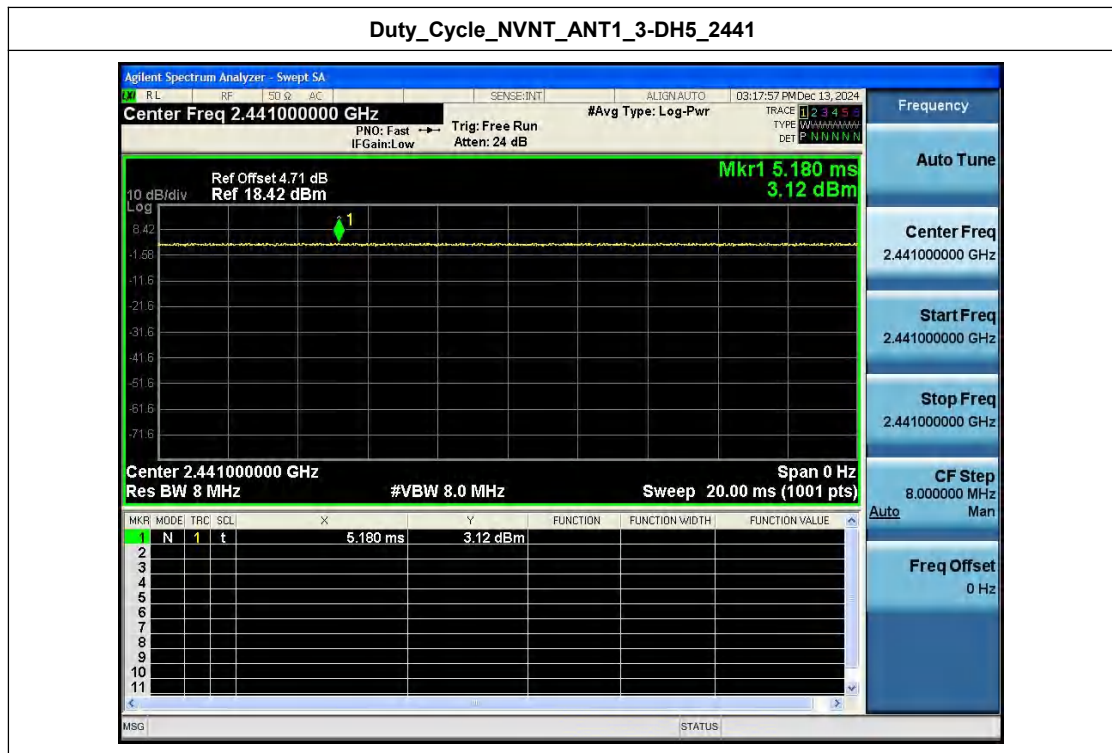
Duty_Cycle_NVNT_ANT1_2-DH5_2480



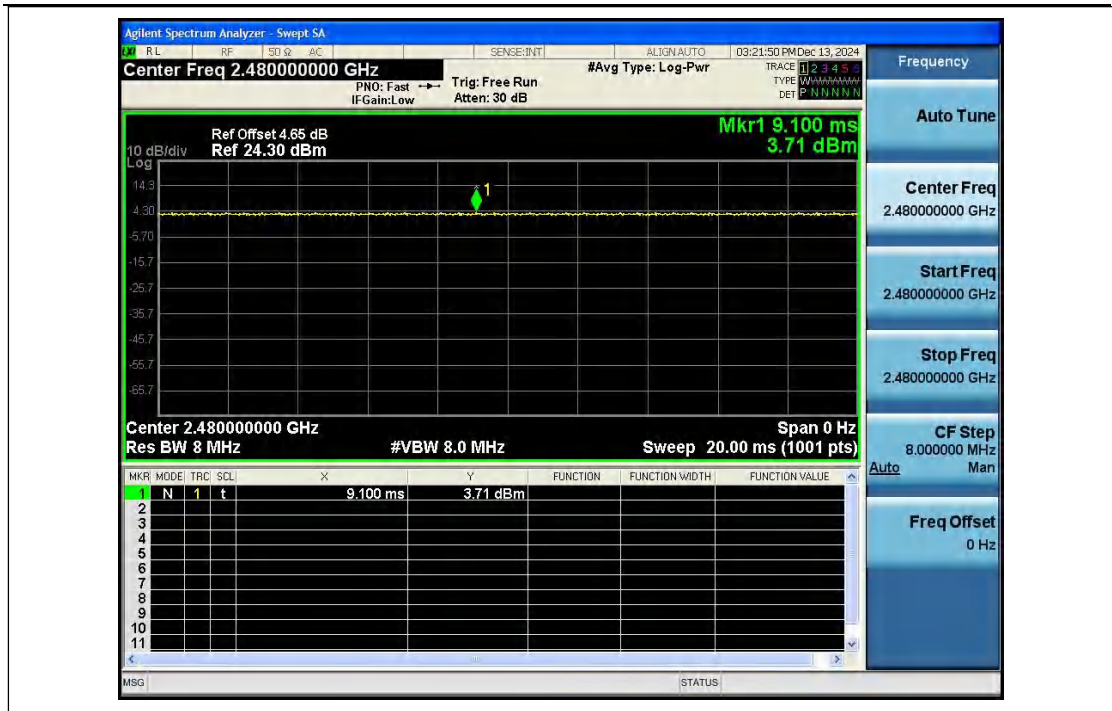
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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

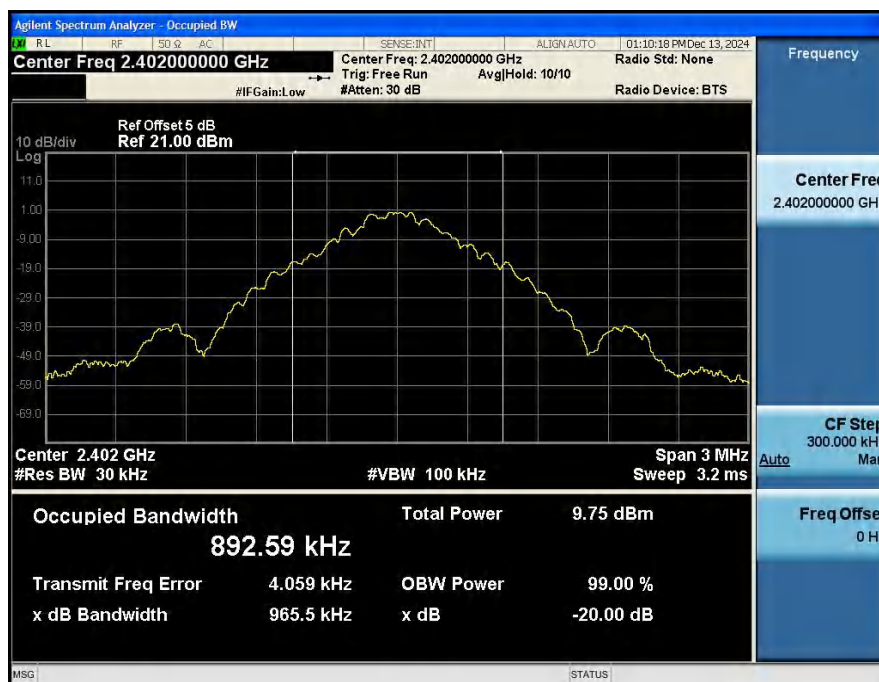


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Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.965	No
NVNT	ANT1	1-DH5	2441.00	0.964	No
NVNT	ANT1	1-DH5	2480.00	0.965	No
NVNT	ANT1	2-DH5	2402.00	1.370	Yes
NVNT	ANT1	2-DH5	2441.00	1.371	Yes
NVNT	ANT1	2-DH5	2480.00	1.373	Yes
NVNT	ANT1	3-DH5	2402.00	1.352	Yes
NVNT	ANT1	3-DH5	2441.00	1.353	Yes
NVNT	ANT1	3-DH5	2480.00	1.354	Yes

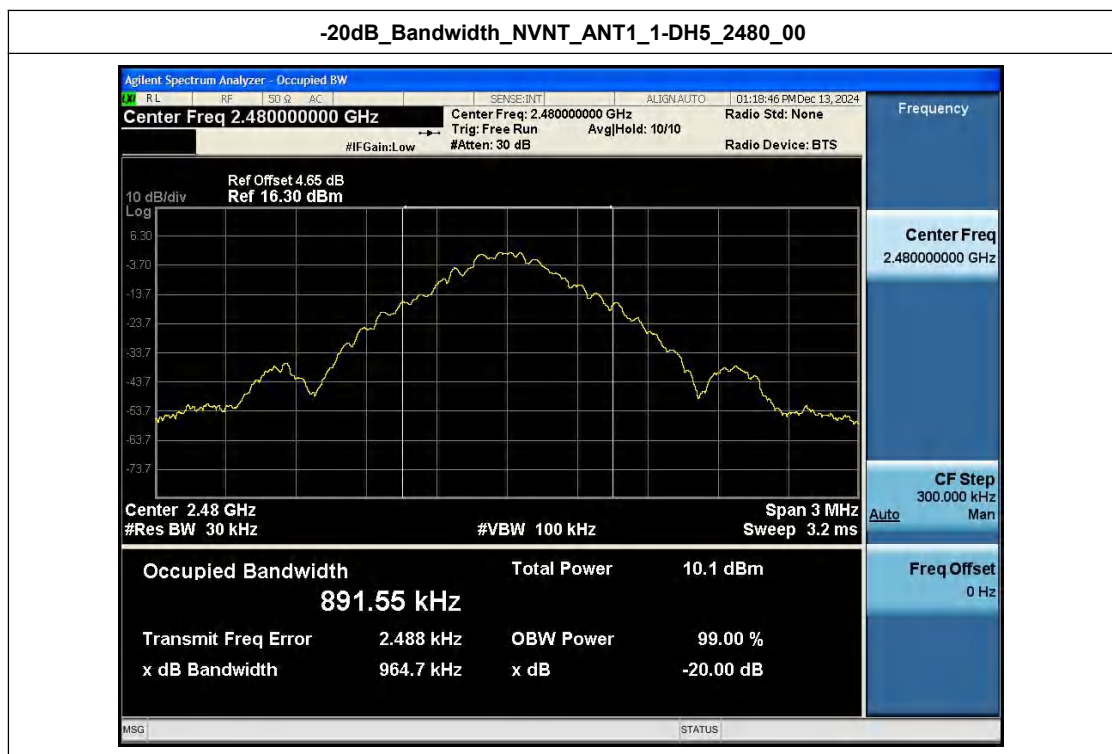
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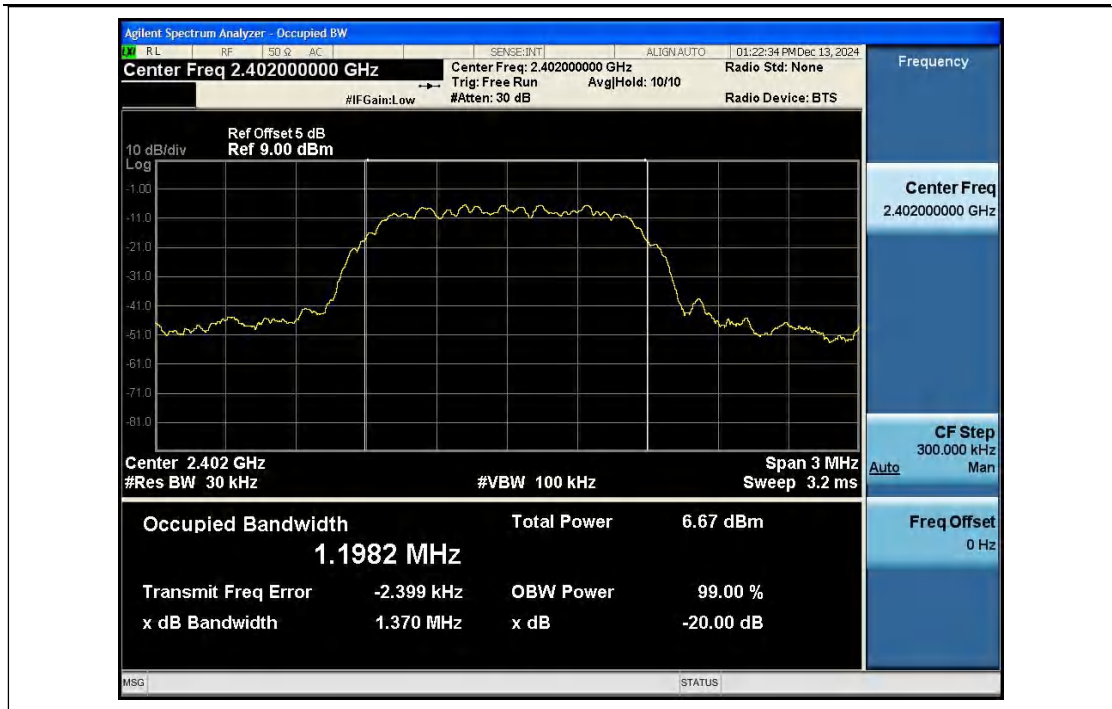
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



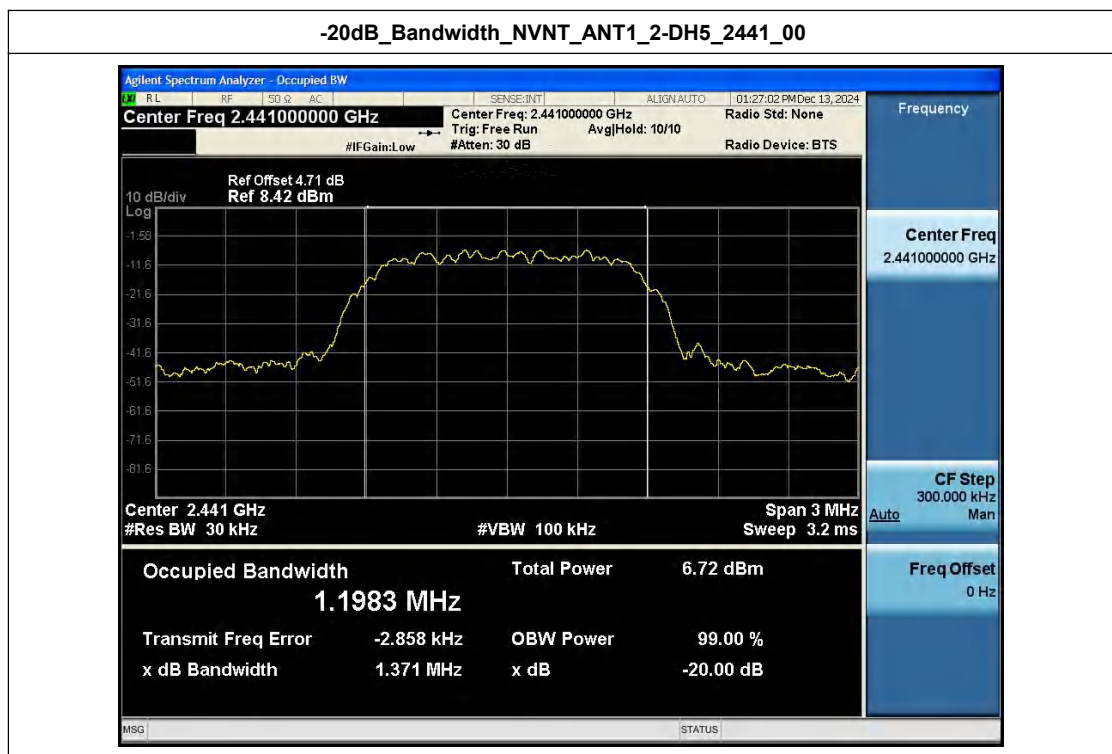
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00



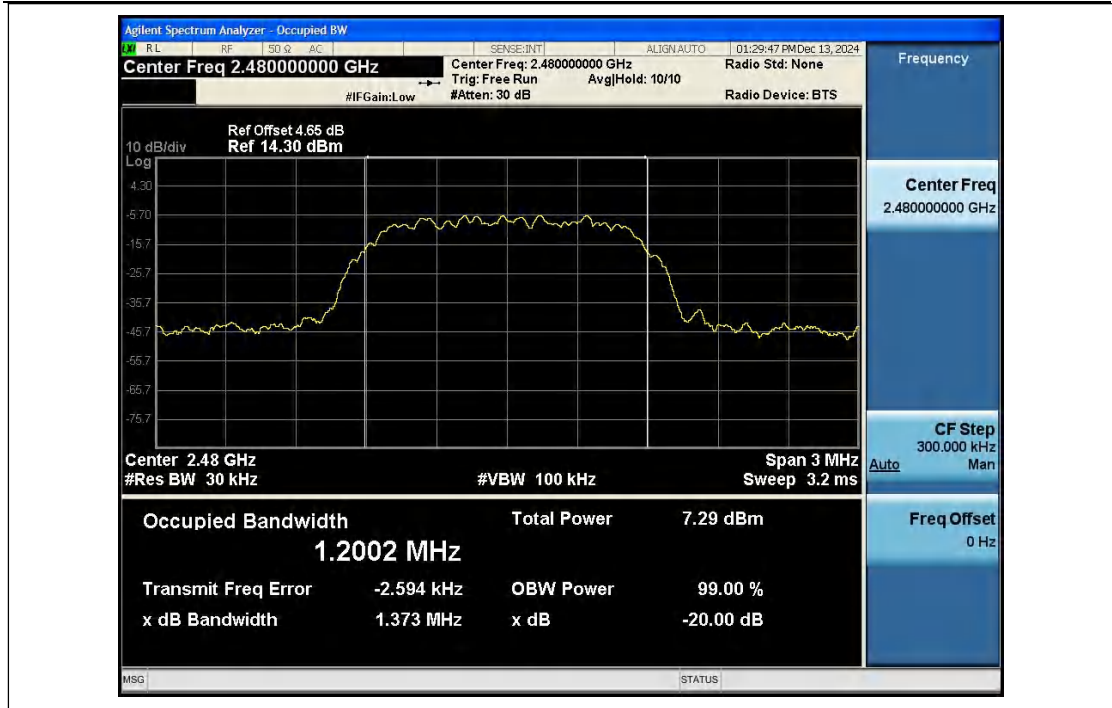
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



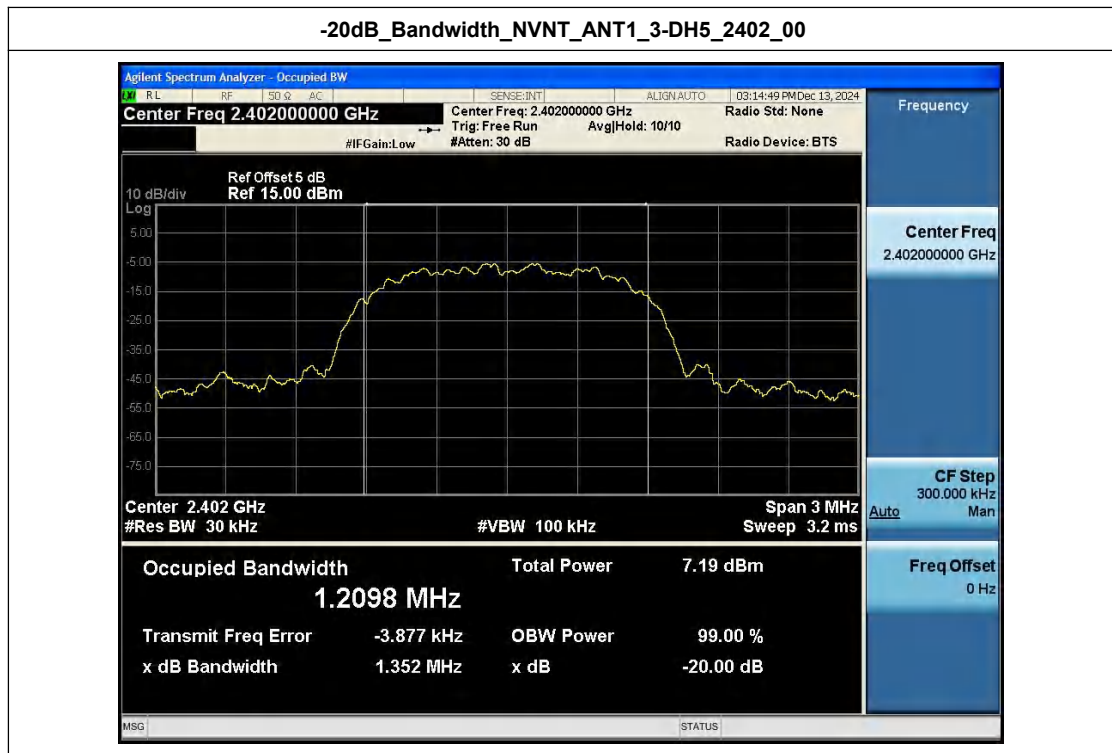
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441_00



-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00



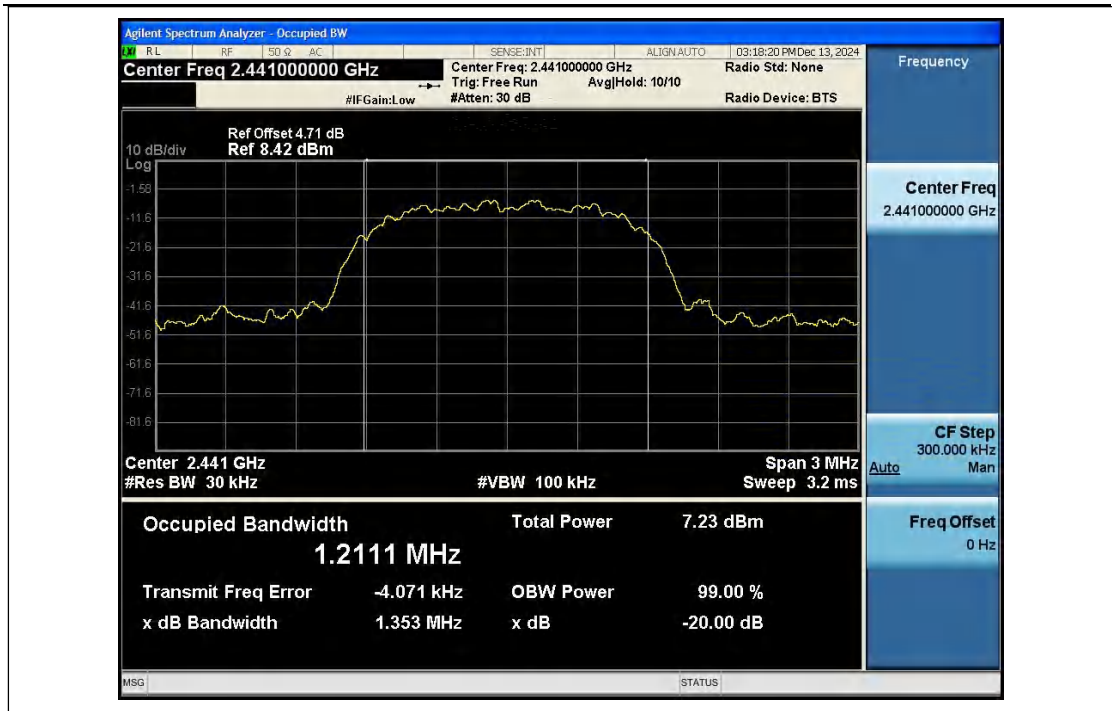
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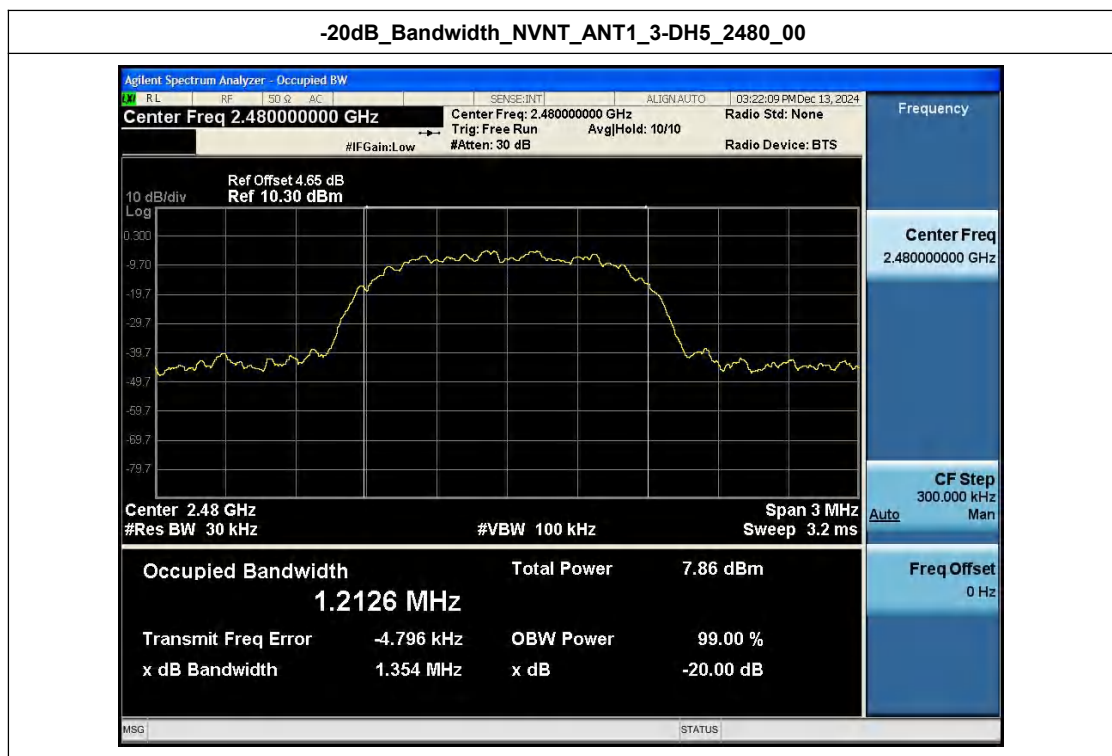
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
 Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
 Tel: (86) 0755-26066440 Email: service@anbotech.com



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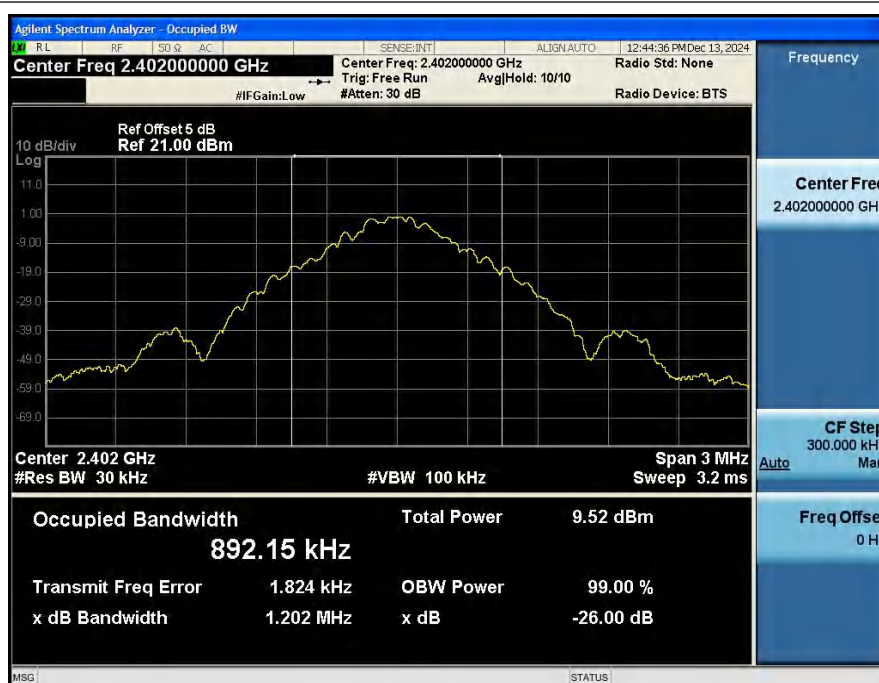
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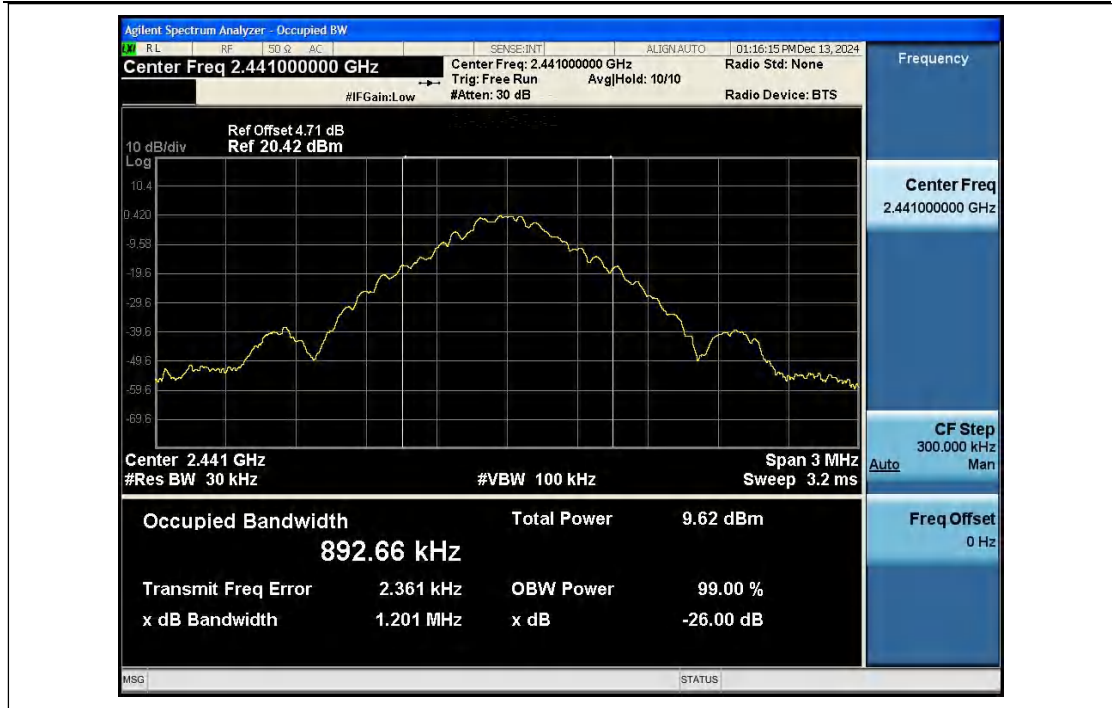
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.892
NVNT	ANT1	1-DH5	2441.00	0.893
NVNT	ANT1	1-DH5	2480.00	0.893
NVNT	ANT1	2-DH5	2402.00	1.198
NVNT	ANT1	2-DH5	2441.00	1.198
NVNT	ANT1	2-DH5	2480.00	1.200
NVNT	ANT1	3-DH5	2402.00	1.209
NVNT	ANT1	3-DH5	2441.00	1.211
NVNT	ANT1	3-DH5	2480.00	1.212

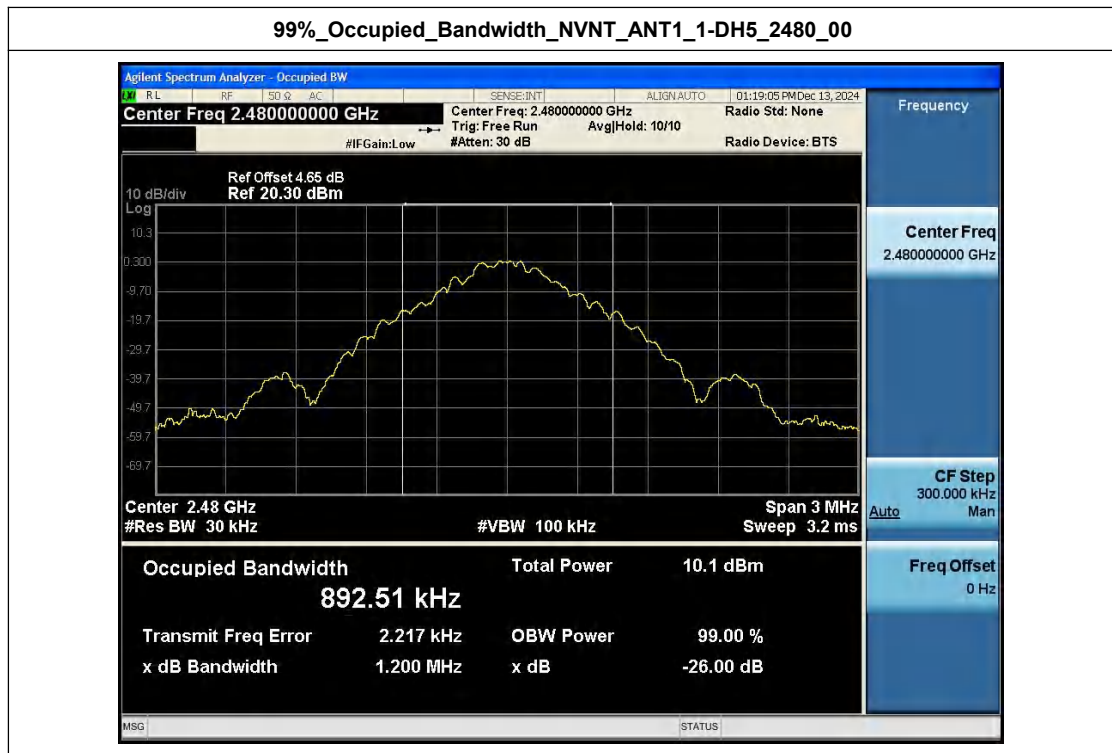
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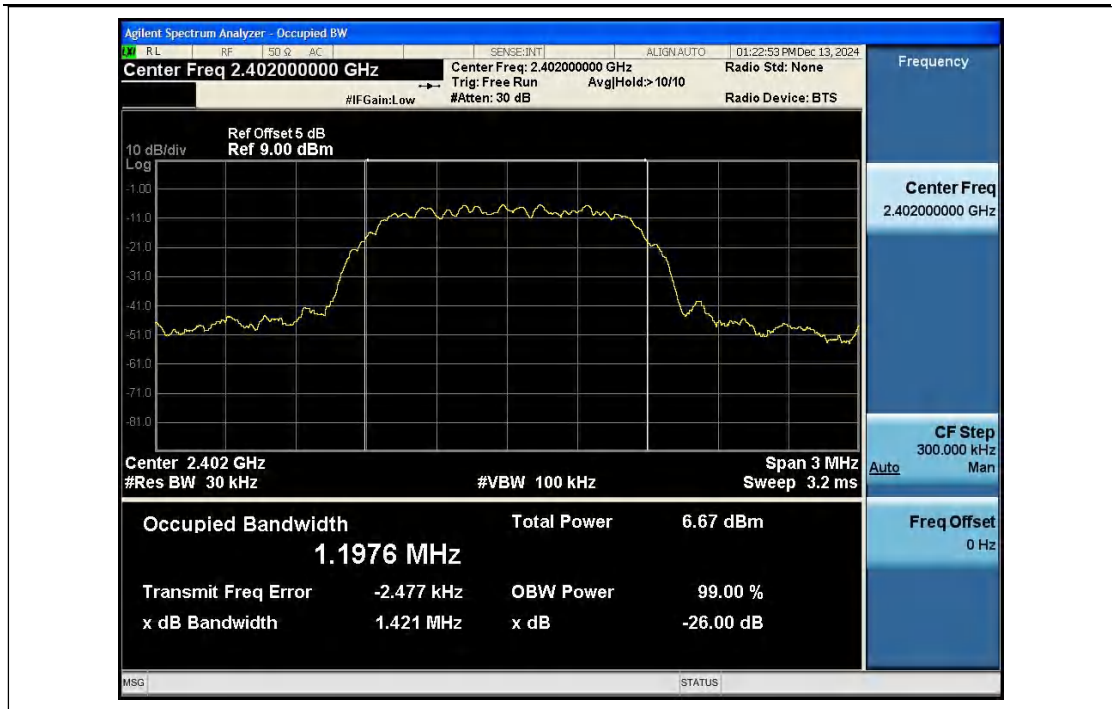
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



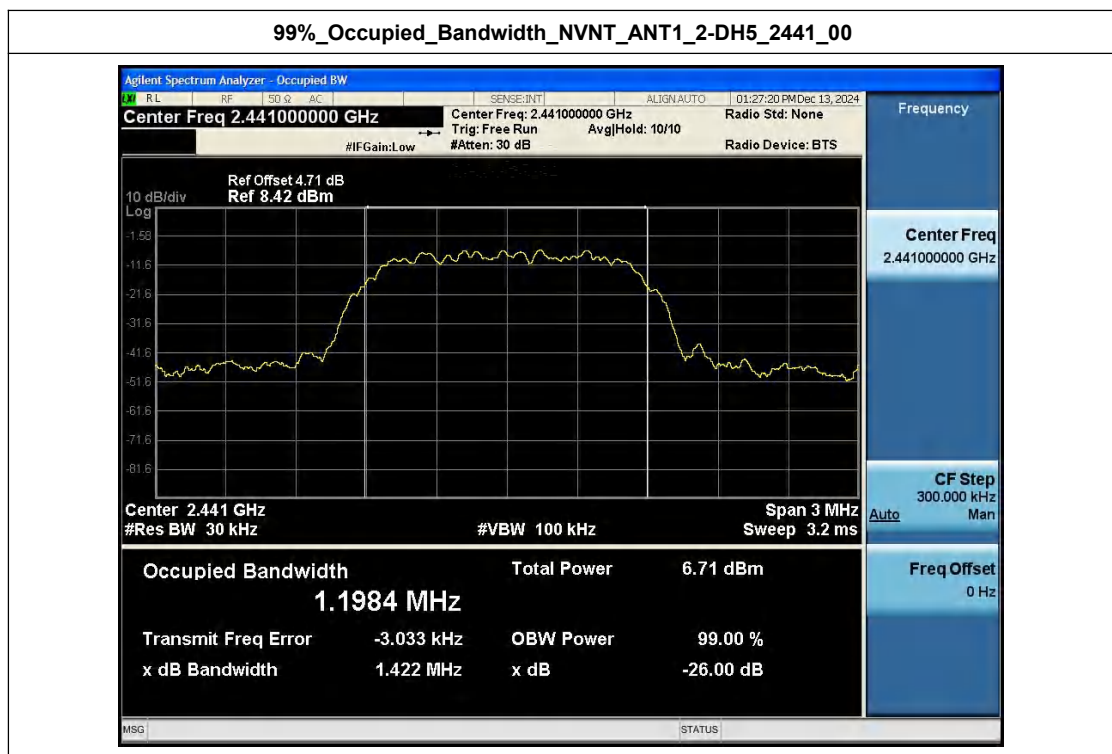
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



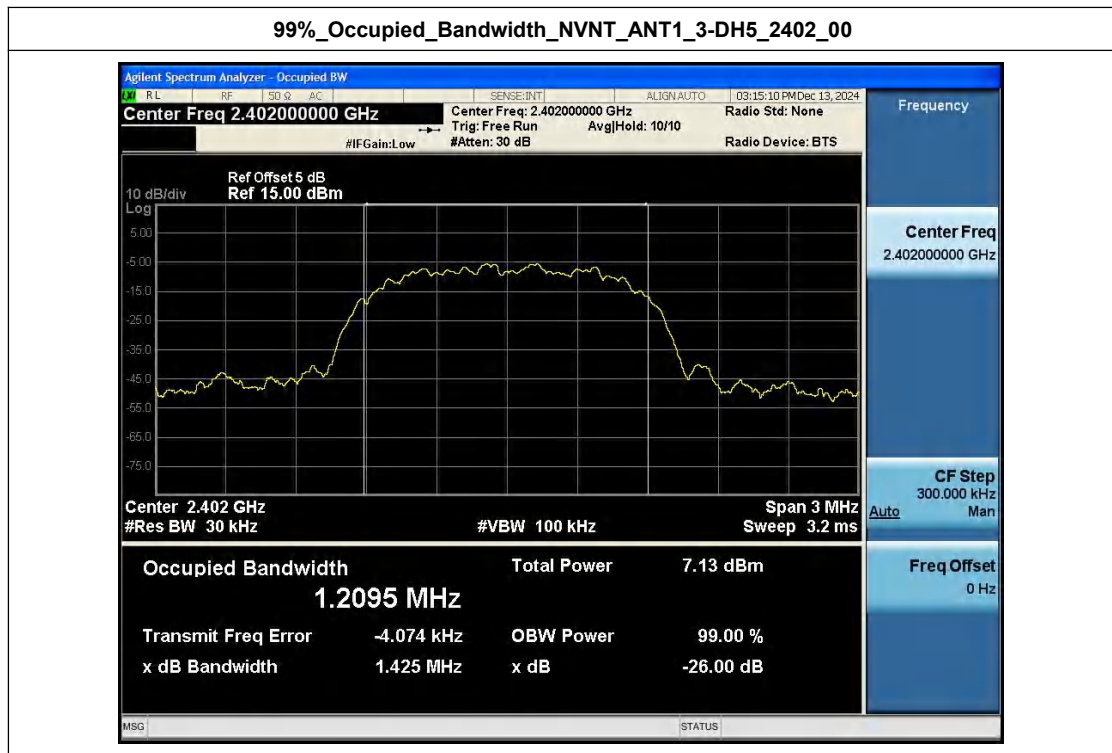
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00

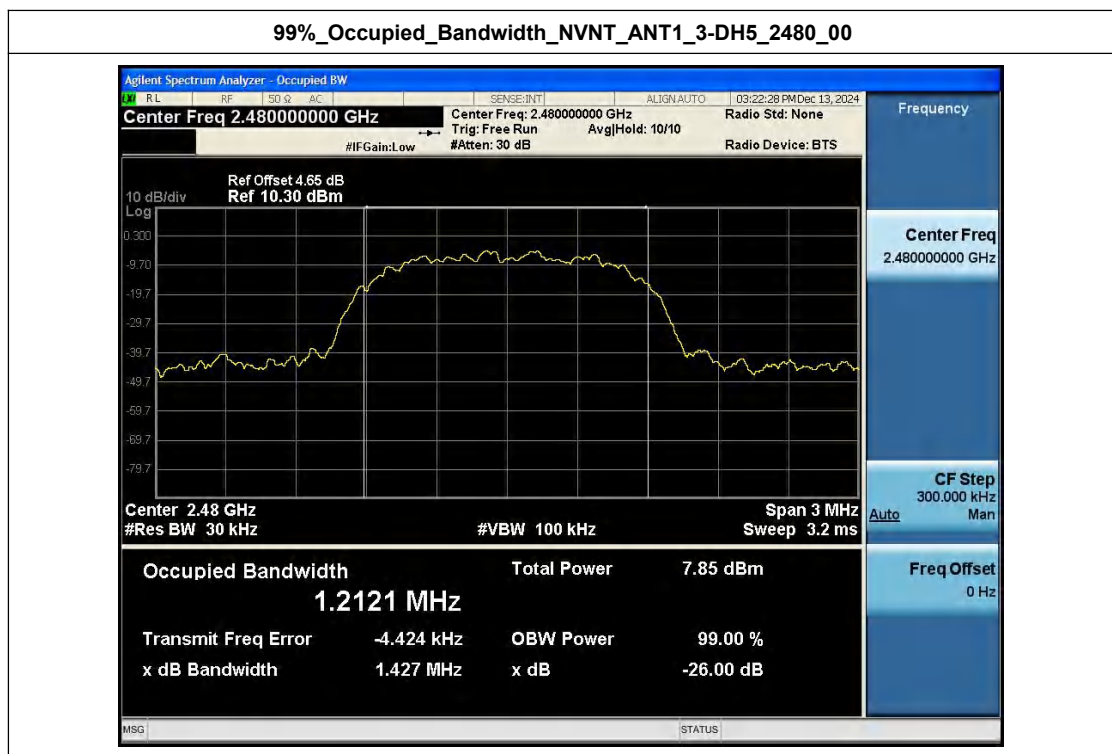


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00





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	2.92	1.96	125	Pass
NVNT	ANT1	1-DH5	2441.00	2.73	1.88	125	Pass
NVNT	ANT1	1-DH5	2480.00	3.24	2.11	125	Pass
NVNT	ANT1	2-DH5	2402.00	2.29	1.70	125	Pass
NVNT	ANT1	2-DH5	2441.00	2.23	1.67	125	Pass
NVNT	ANT1	2-DH5	2480.00	2.79	1.90	125	Pass
NVNT	ANT1	3-DH5	2402.00	3.08	2.03	125	Pass
NVNT	ANT1	3-DH5	2441.00	3.04	2.01	125	Pass
NVNT	ANT1	3-DH5	2480.00	3.57	2.27	125	Pass

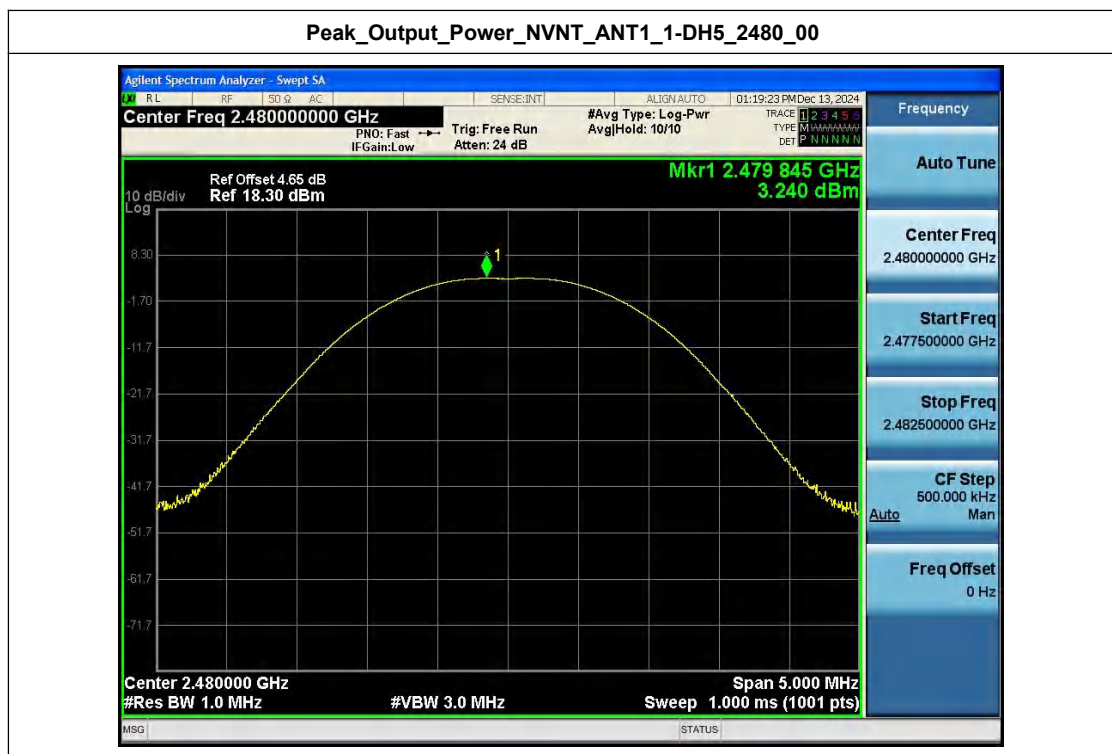
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Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



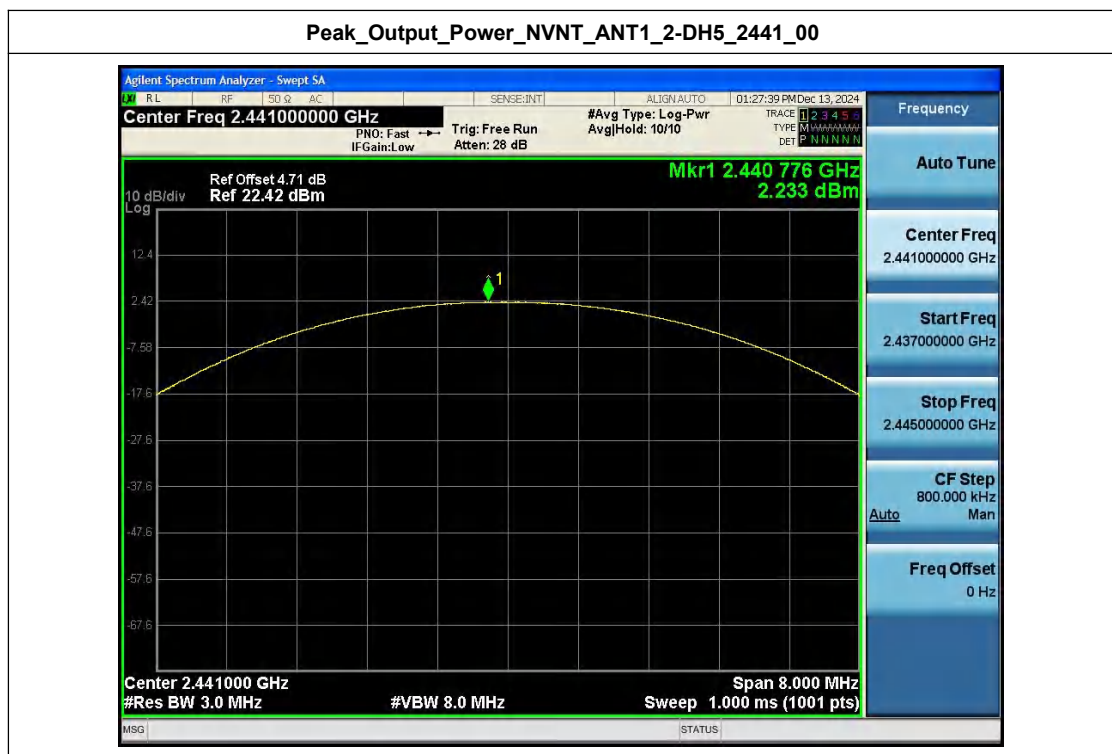
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



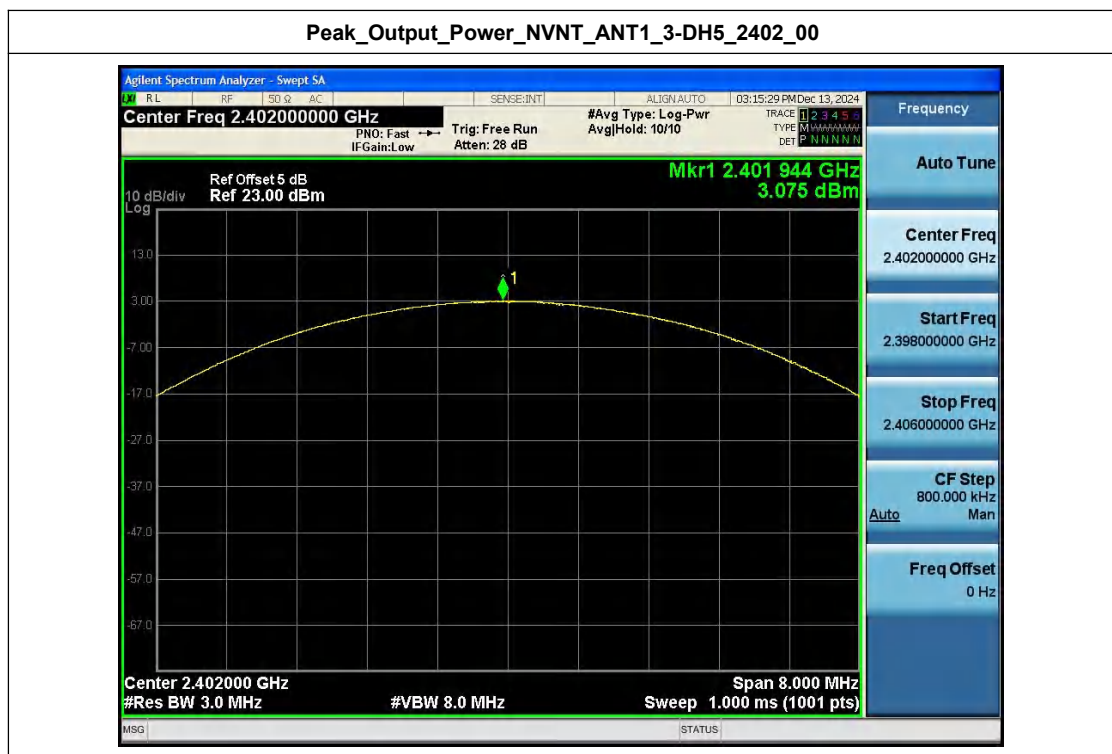
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



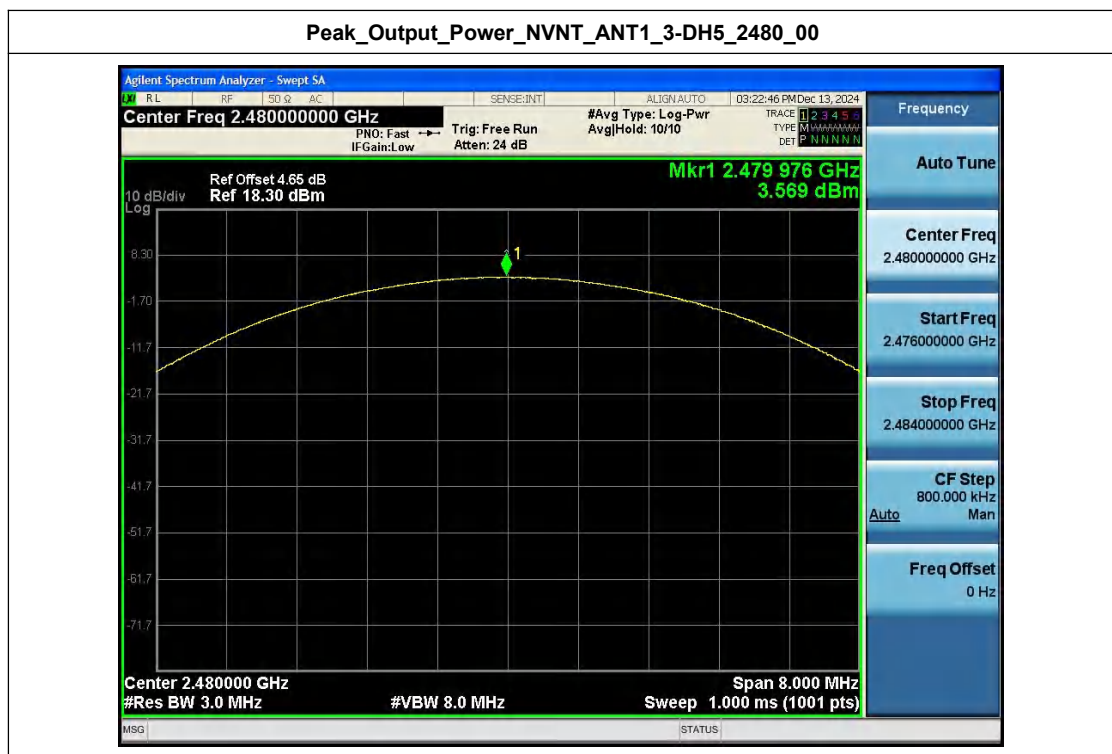
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	2.263	-48.436	-17.737	Pass
NVNT	ANT1	1-DH5	2441.00	2.184	-48.387	-17.816	Pass
NVNT	ANT1	1-DH5	2480.00	2.776	-52.901	-17.224	Pass
NVNT	ANT1	2-DH5	2402.00	-1.804	-52.982	-21.804	Pass
NVNT	ANT1	2-DH5	2441.00	-1.752	-53.411	-21.752	Pass
NVNT	ANT1	2-DH5	2480.00	-1.162	-56.326	-21.162	Pass
NVNT	ANT1	3-DH5	2402.00	-1.531	-52.877	-21.531	Pass
NVNT	ANT1	3-DH5	2441.00	-1.444	-53.465	-21.444	Pass
NVNT	ANT1	3-DH5	2480.00	-0.853	-55.801	-20.853	Pass

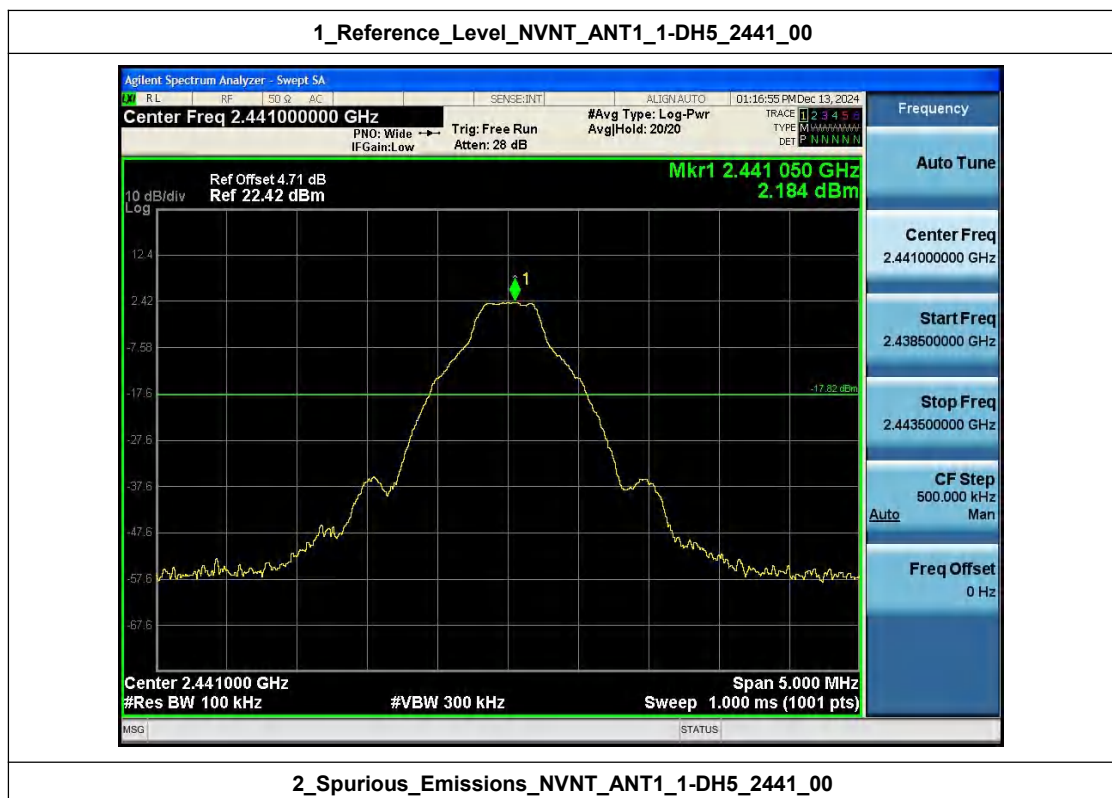
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2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



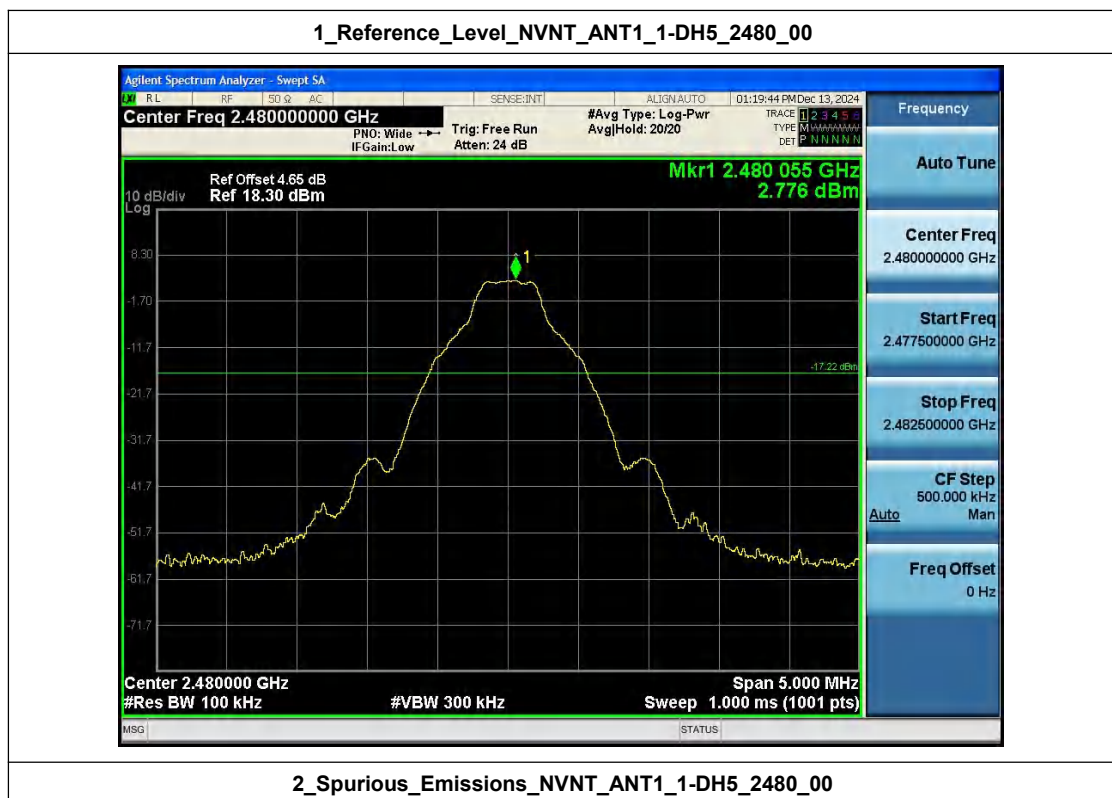
1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00



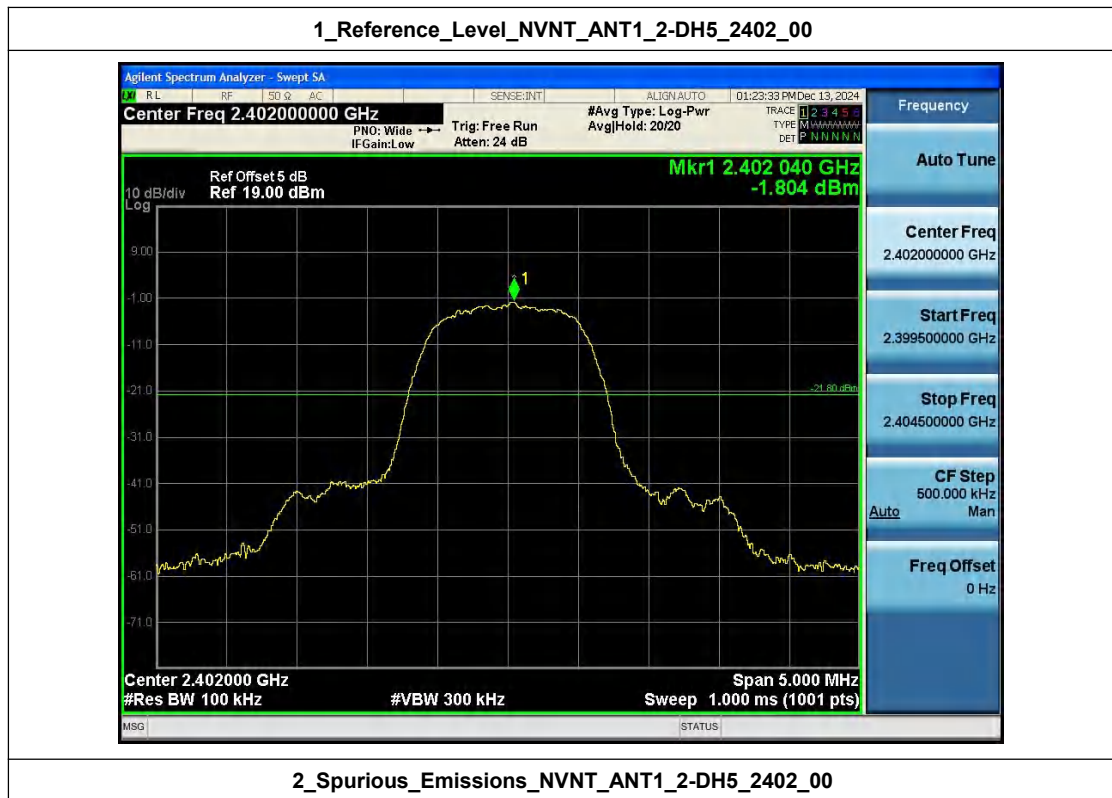
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2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

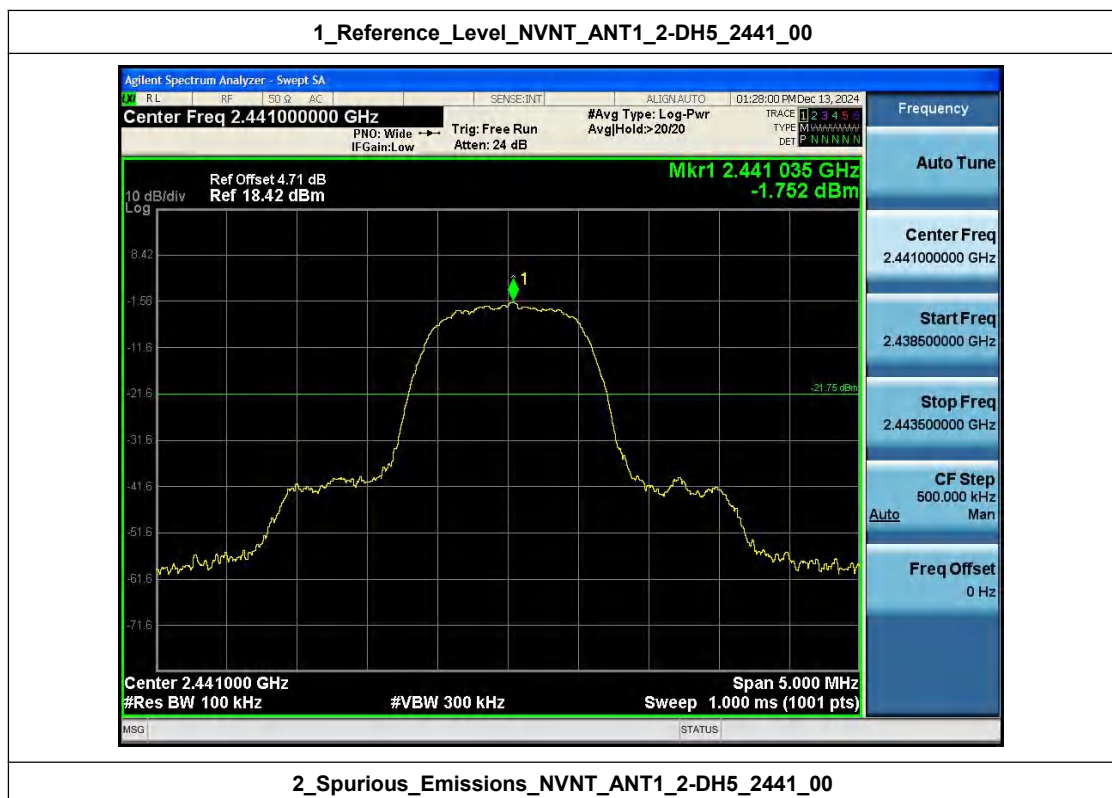


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00





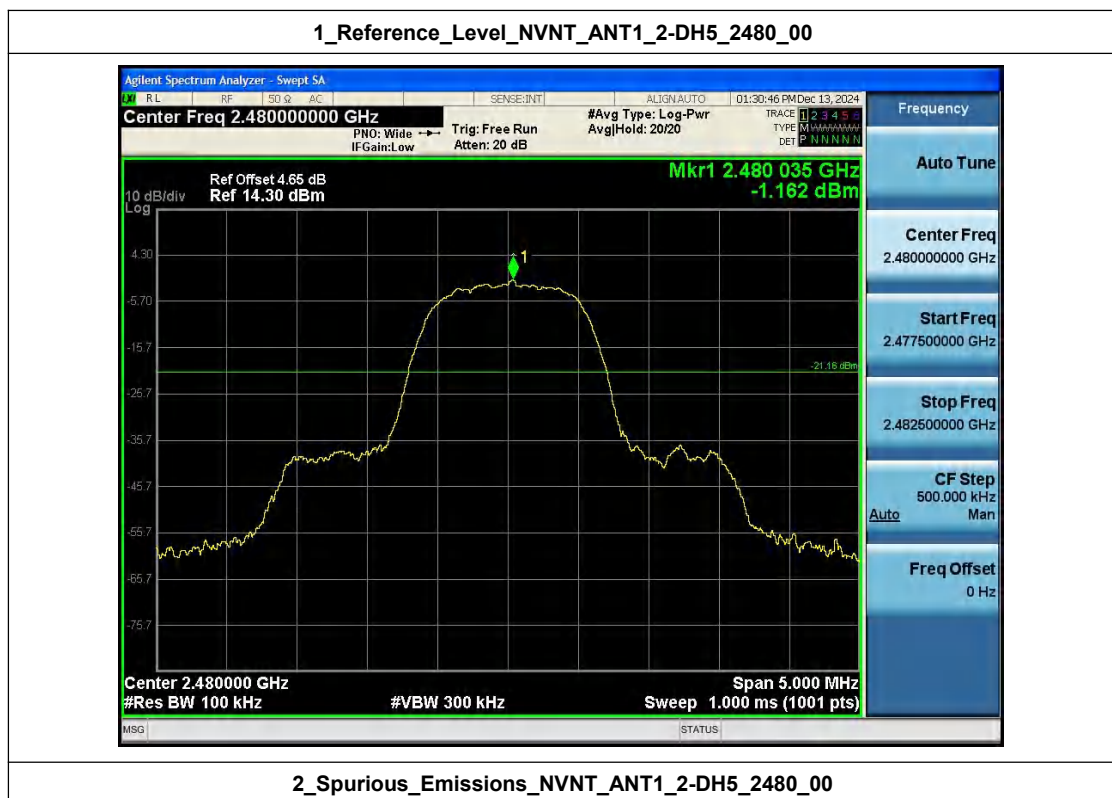
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2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00



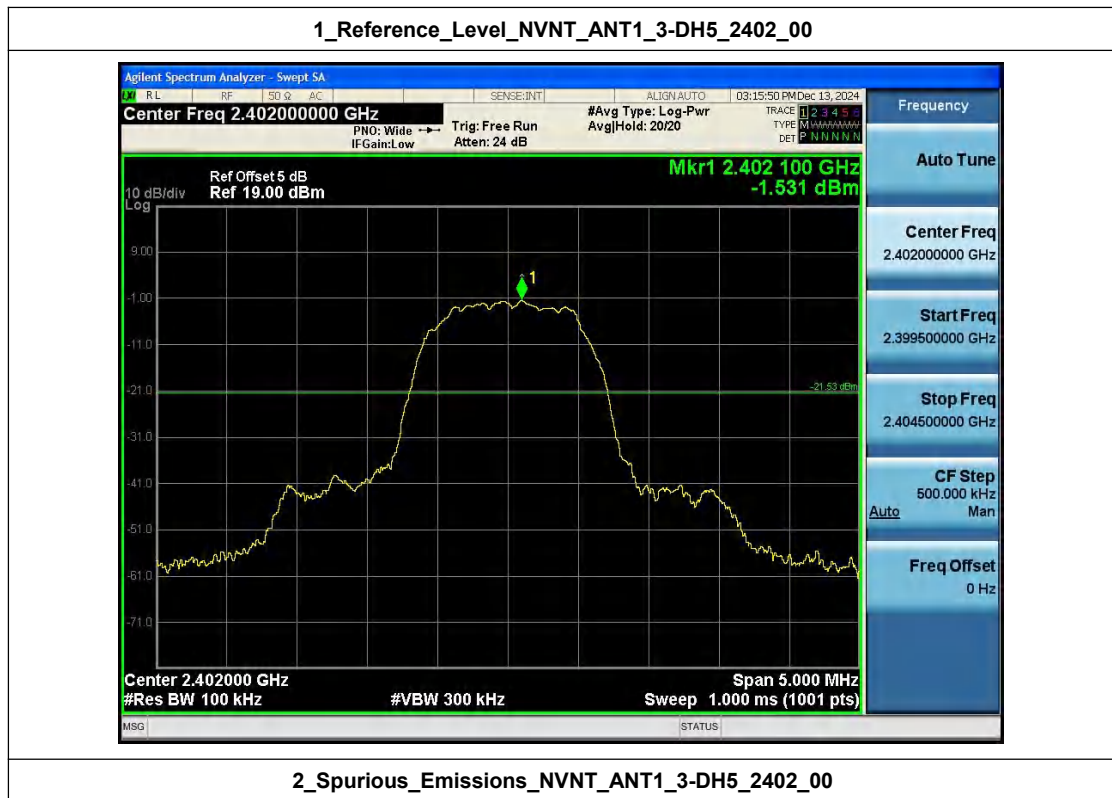
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

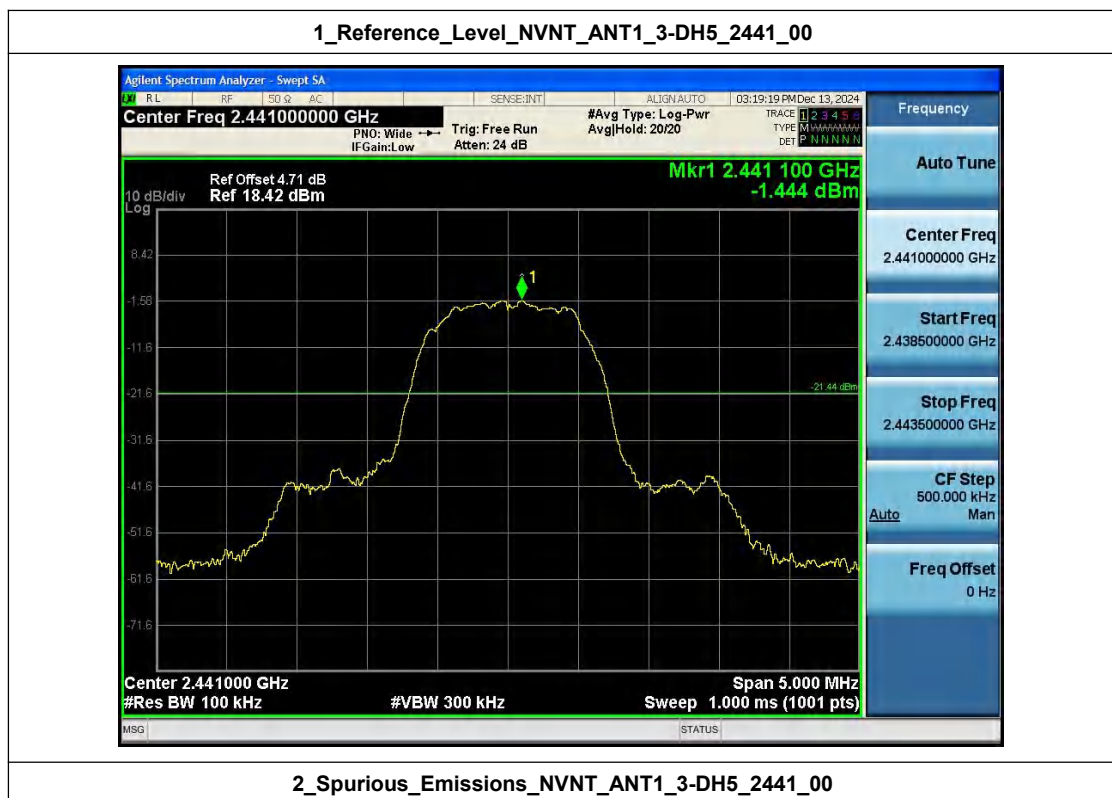


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00





1_Reference_Level_NVNT_ANT1_3-DH5_2441_00

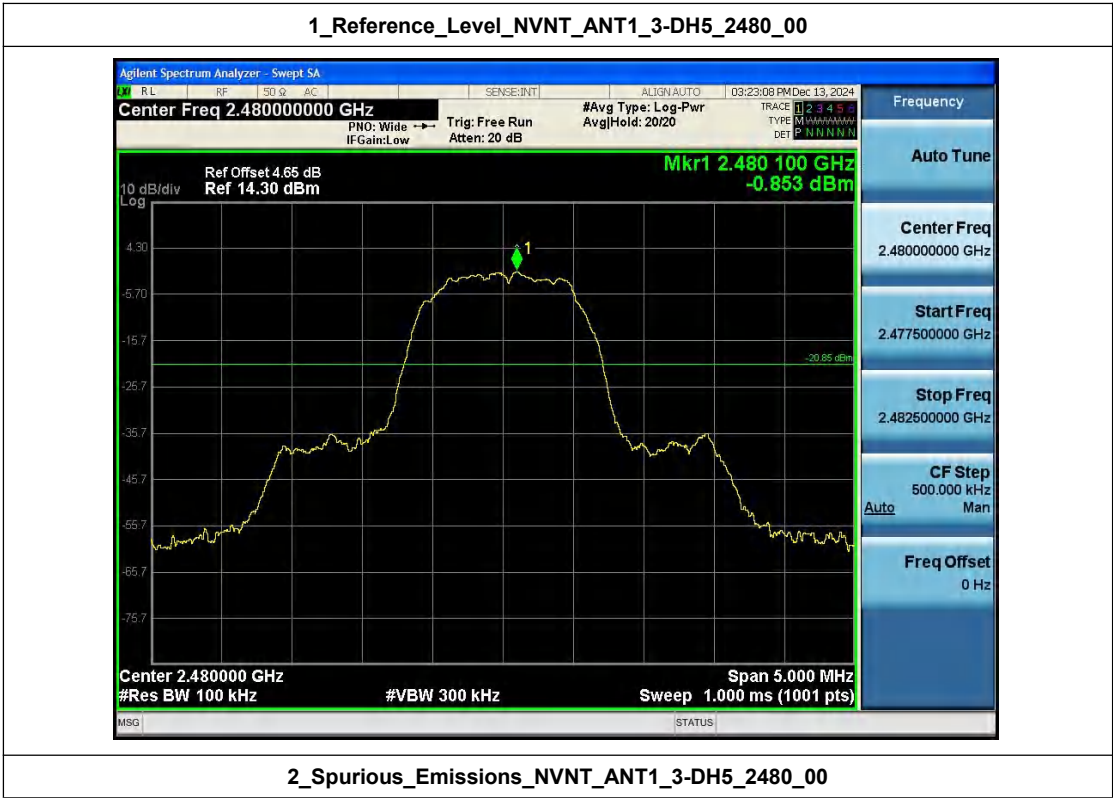


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00





1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00



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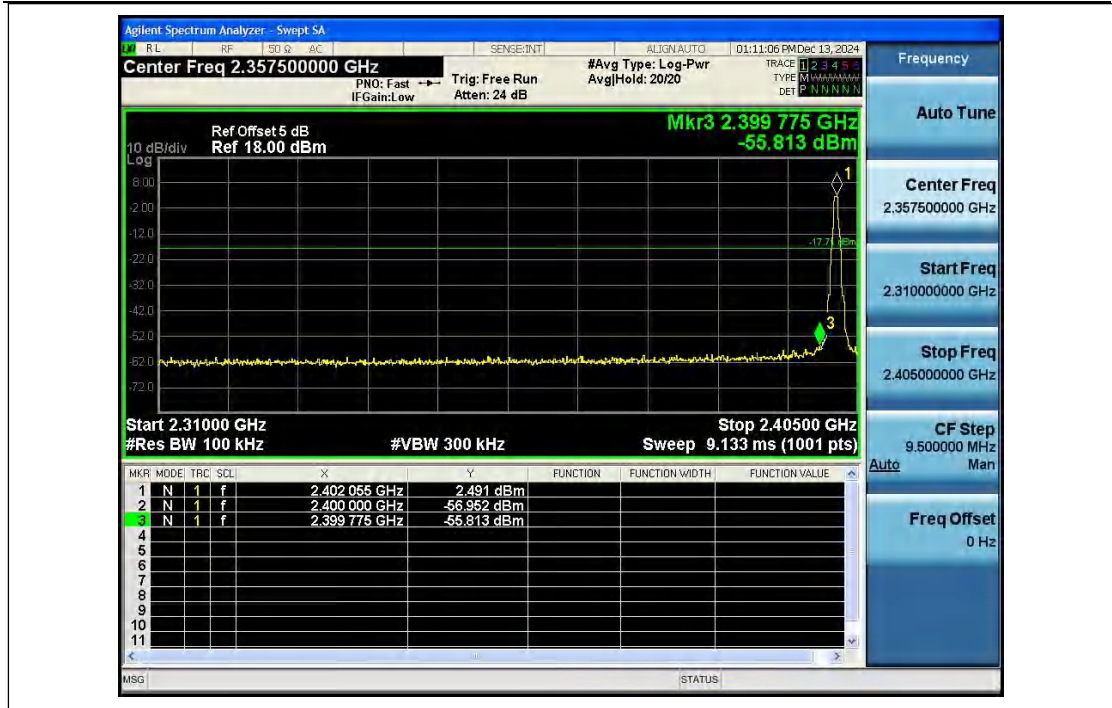
Appendix F: Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	2.289	-55.813	-17.711	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	2.406	-59.325	-17.594	Pass
NVNT	ANT1	1-DH5	2480.00	2.776	-60.079	-17.224	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	1.647	-60.198	-18.353	Pass
NVNT	ANT1	2-DH5	2402.00	-1.804	-56.224	-21.804	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	0.624	-61.240	-19.376	Pass
NVNT	ANT1	2-DH5	2480.00	-1.162	-62.580	-21.162	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	0.183	-59.913	-19.817	Pass
NVNT	ANT1	3-DH5	2402.00	-1.531	-56.550	-21.531	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	0.729	-60.963	-19.271	Pass
NVNT	ANT1	3-DH5	2480.00	-0.853	-62.212	-20.853	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	1.876	-59.672	-18.124	Pass

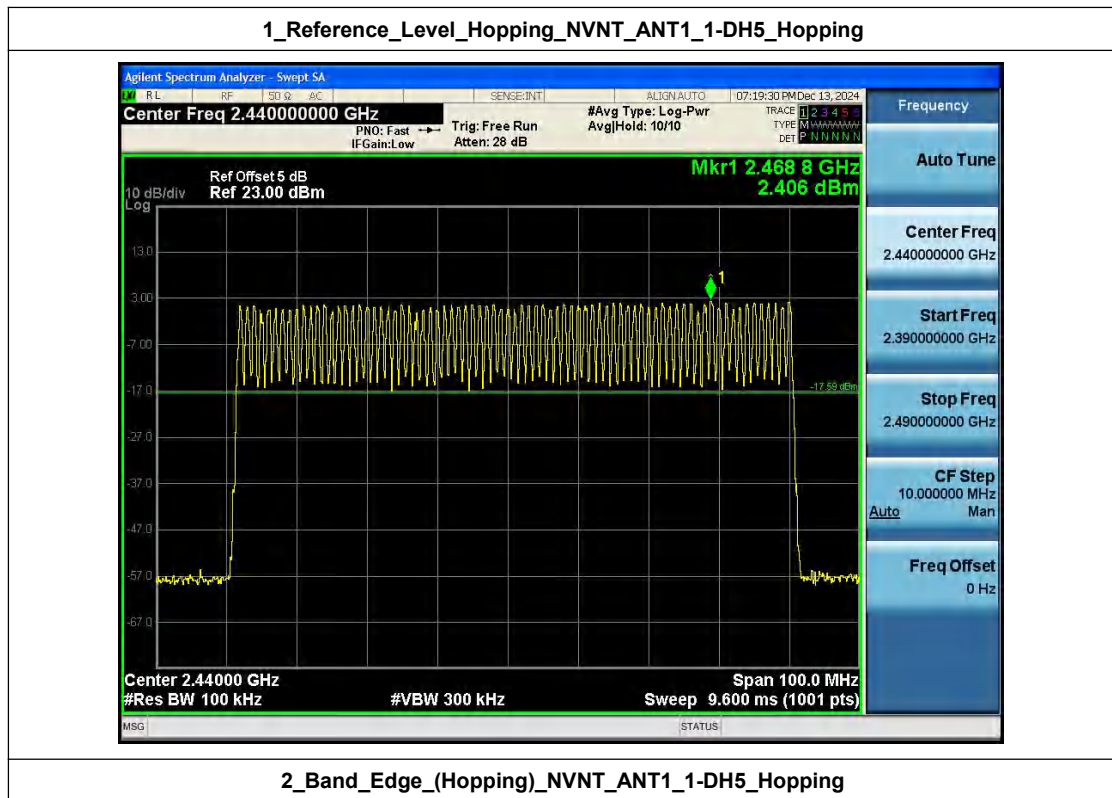
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



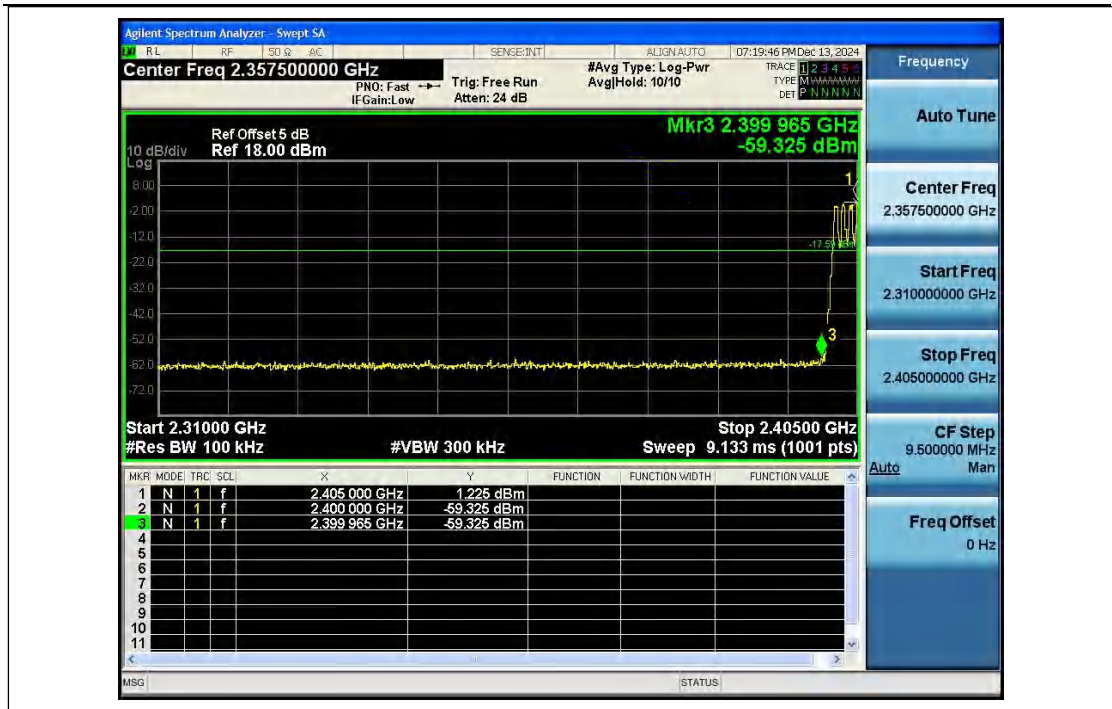
2_Bandedge_NVNT_ANT1_1-DH5_2402_00



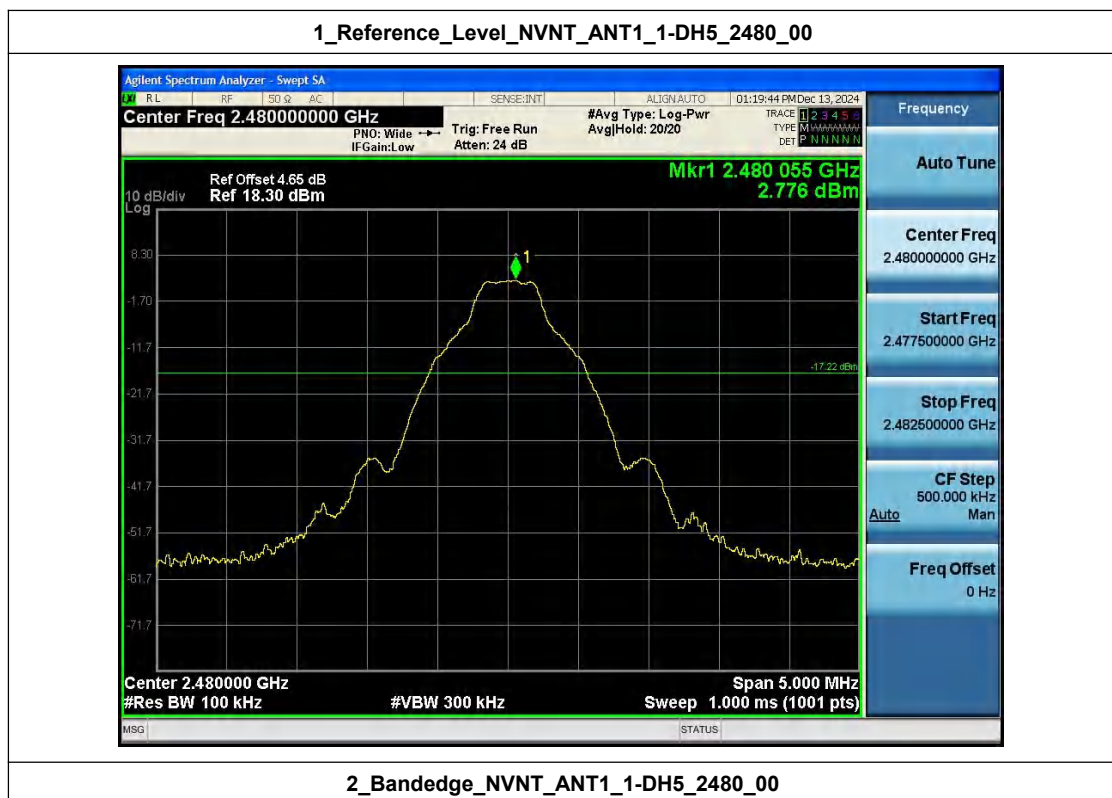
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



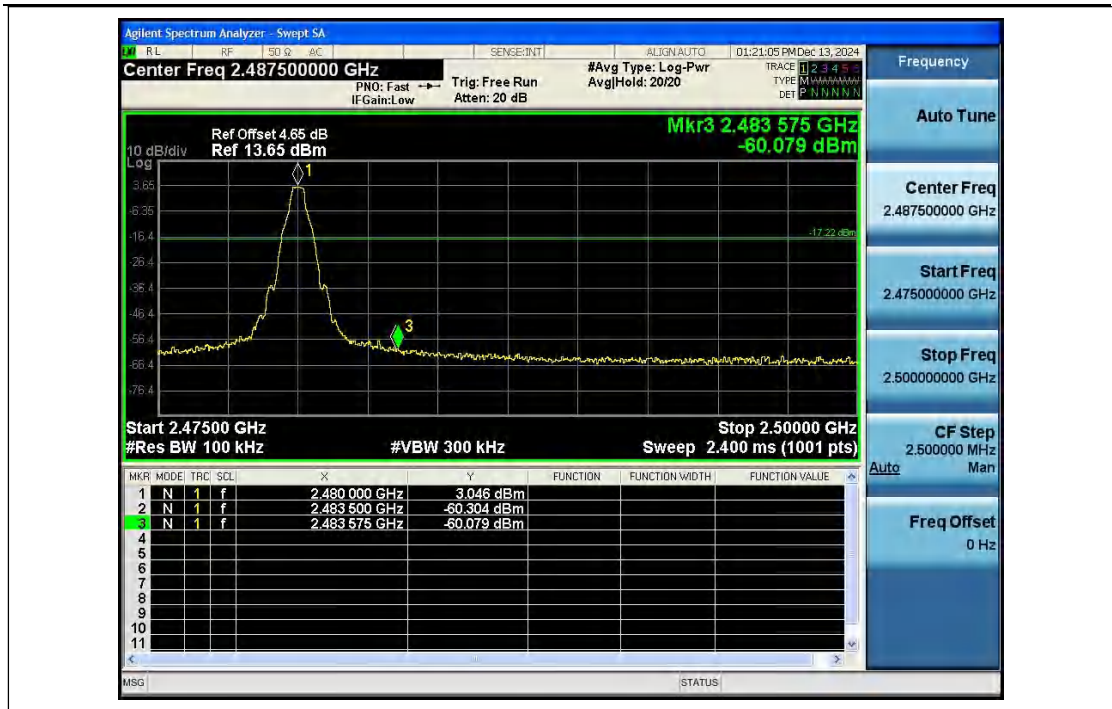
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



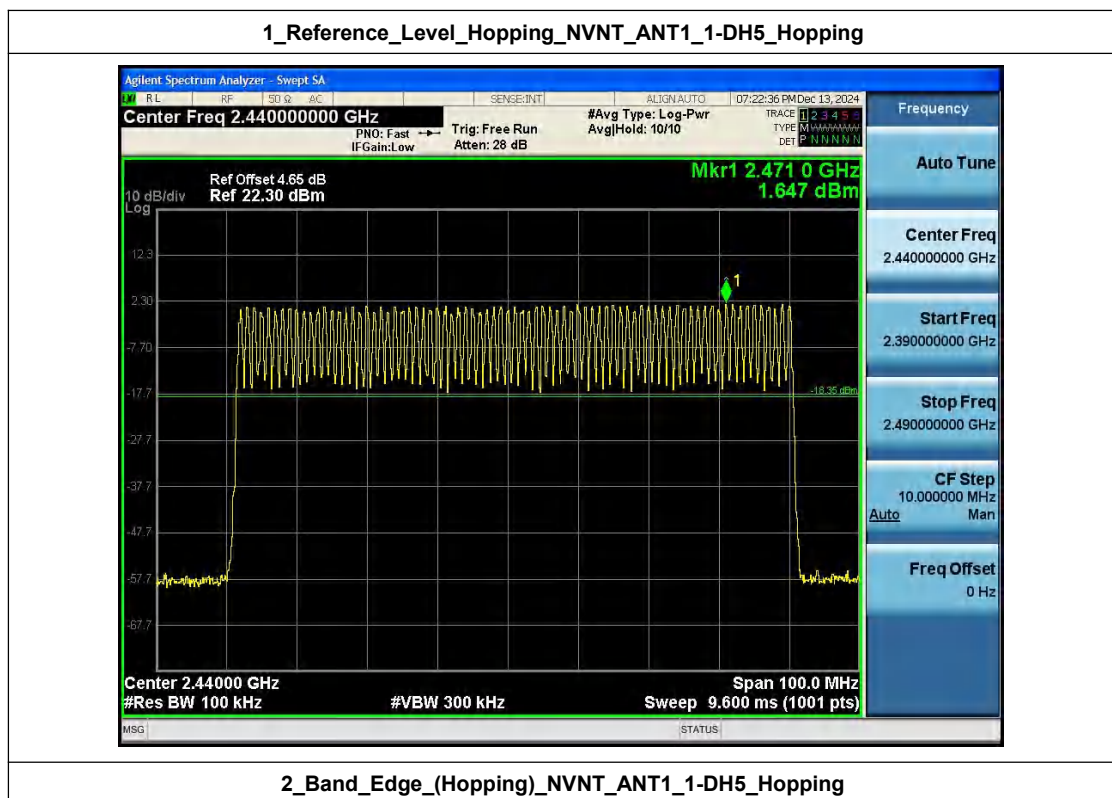
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



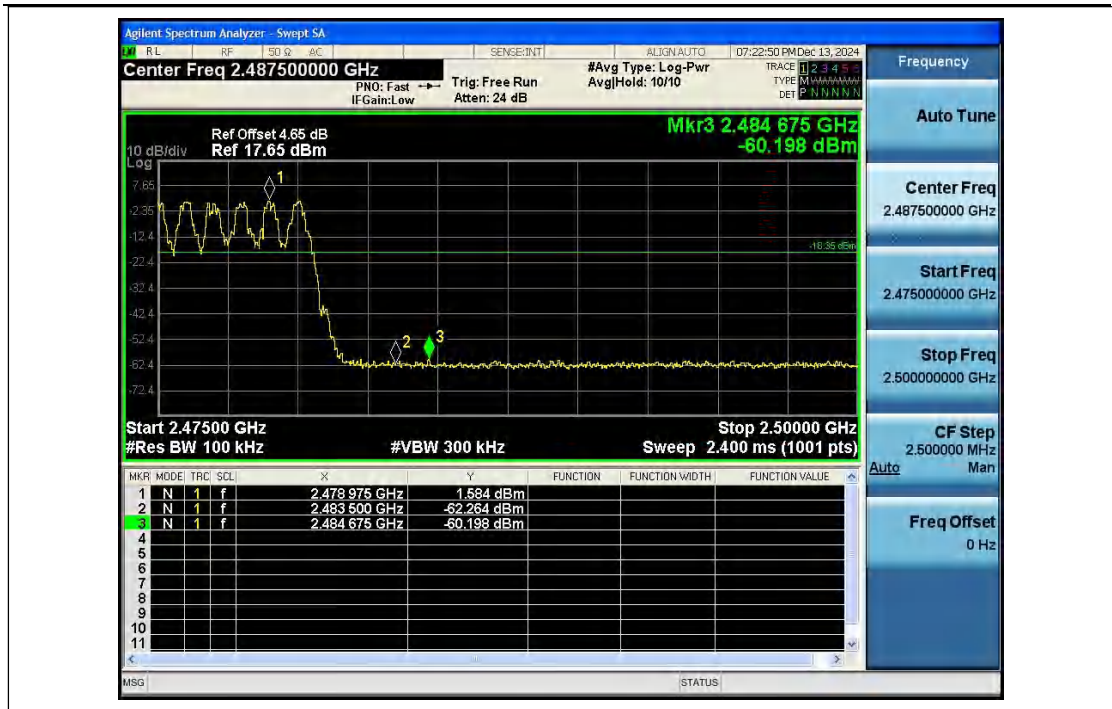
2_Bandedge_NVNT_ANT1_1-DH5_2480_00



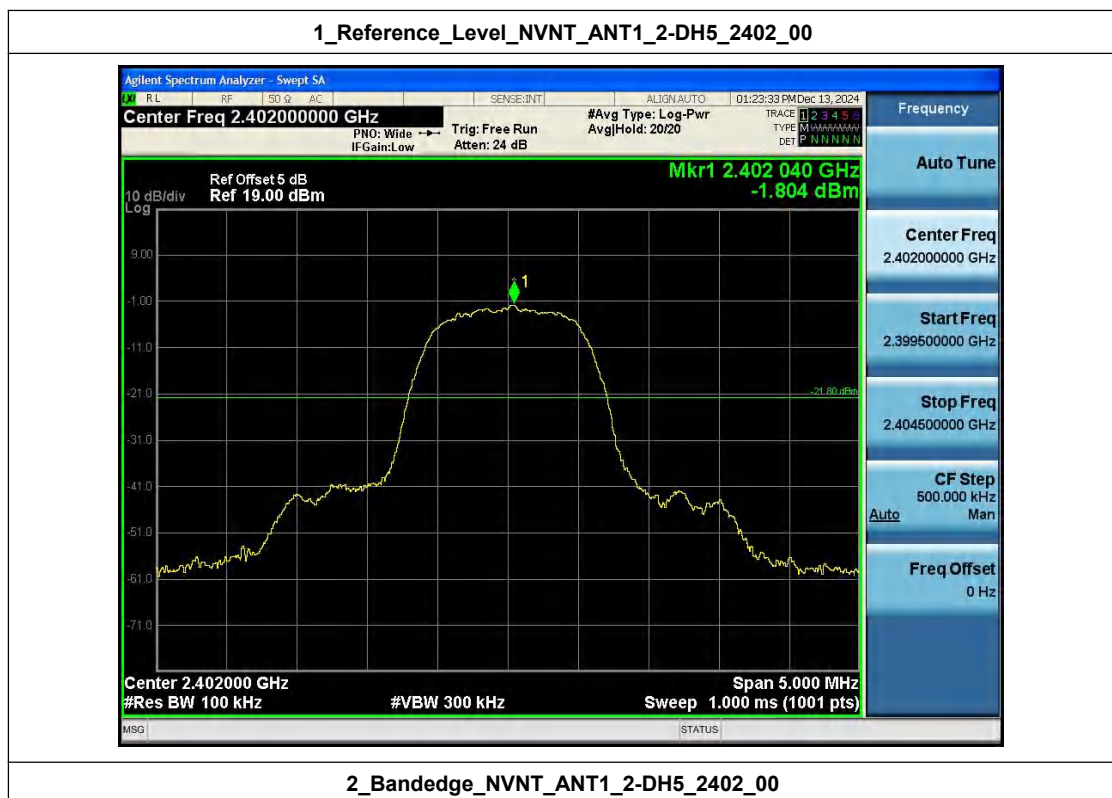
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



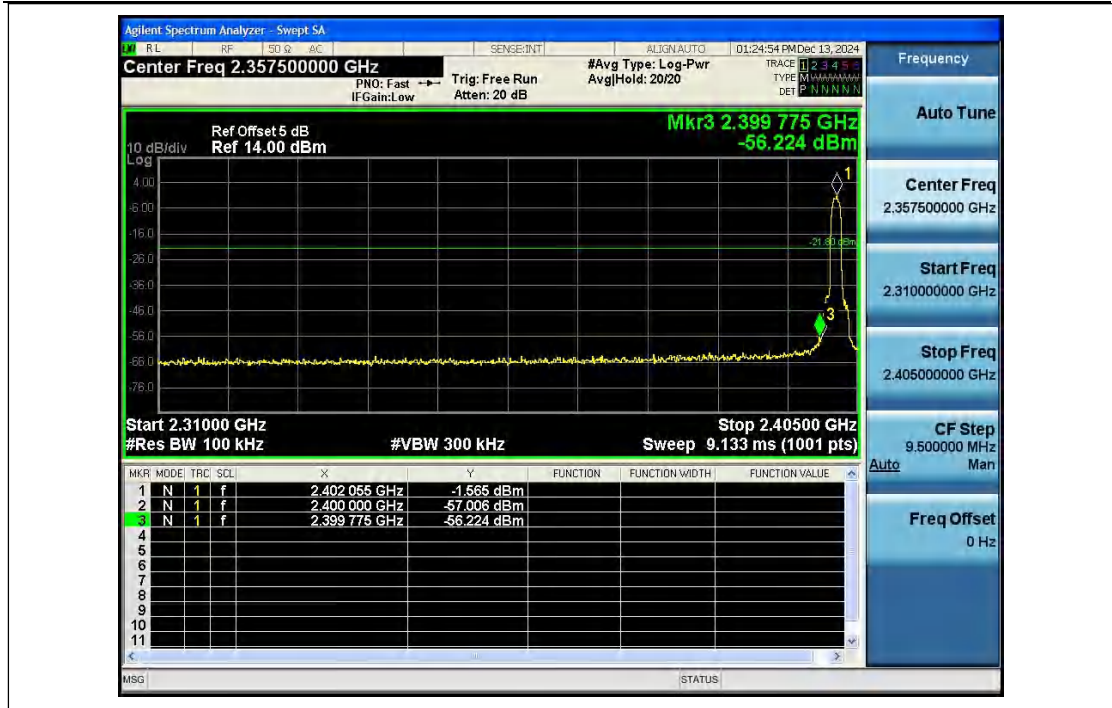
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



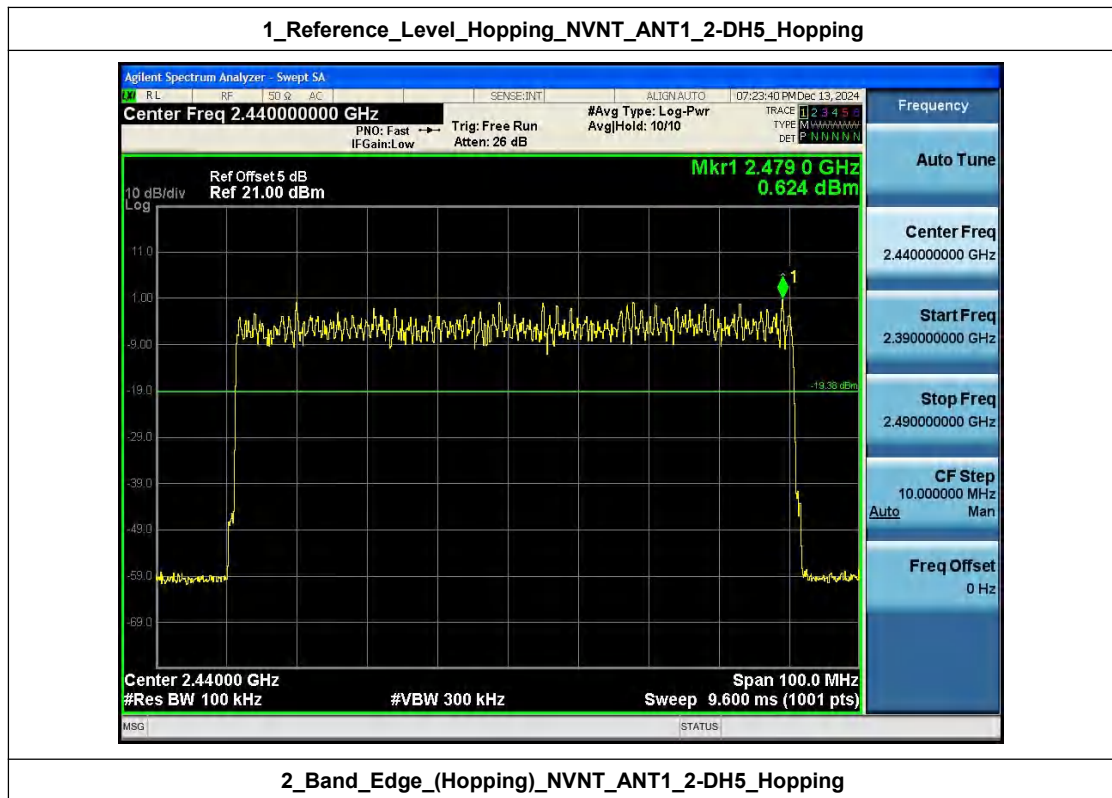
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



2_Bandedge_NVNT_ANT1_2-DH5_2402_00

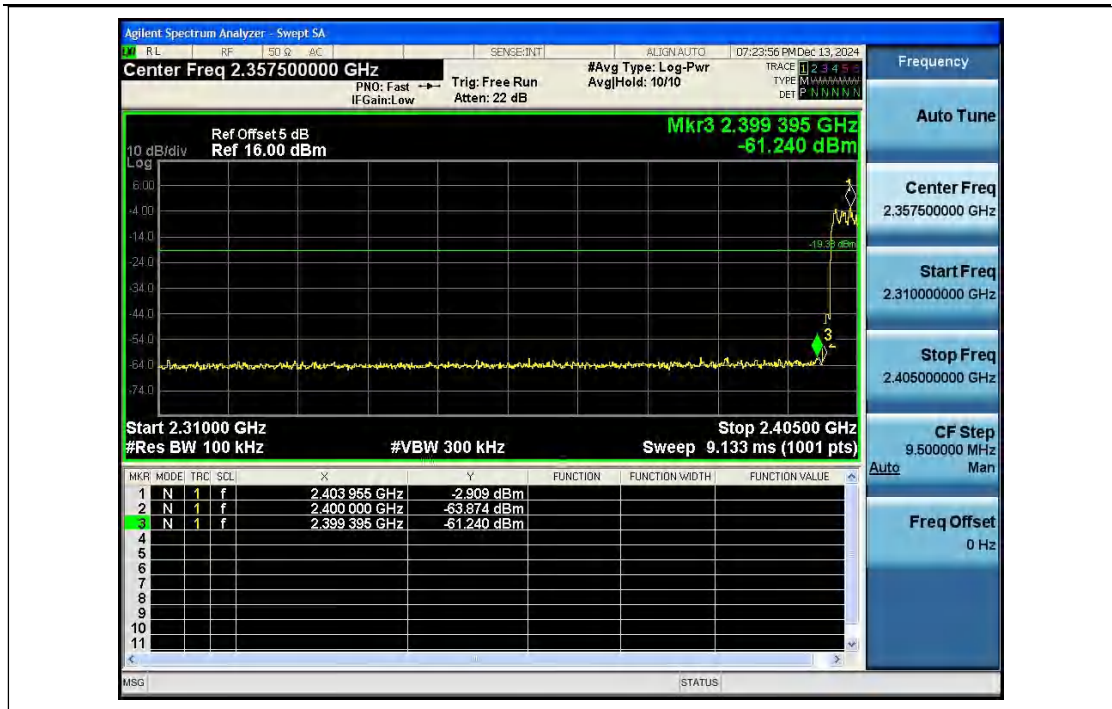


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping

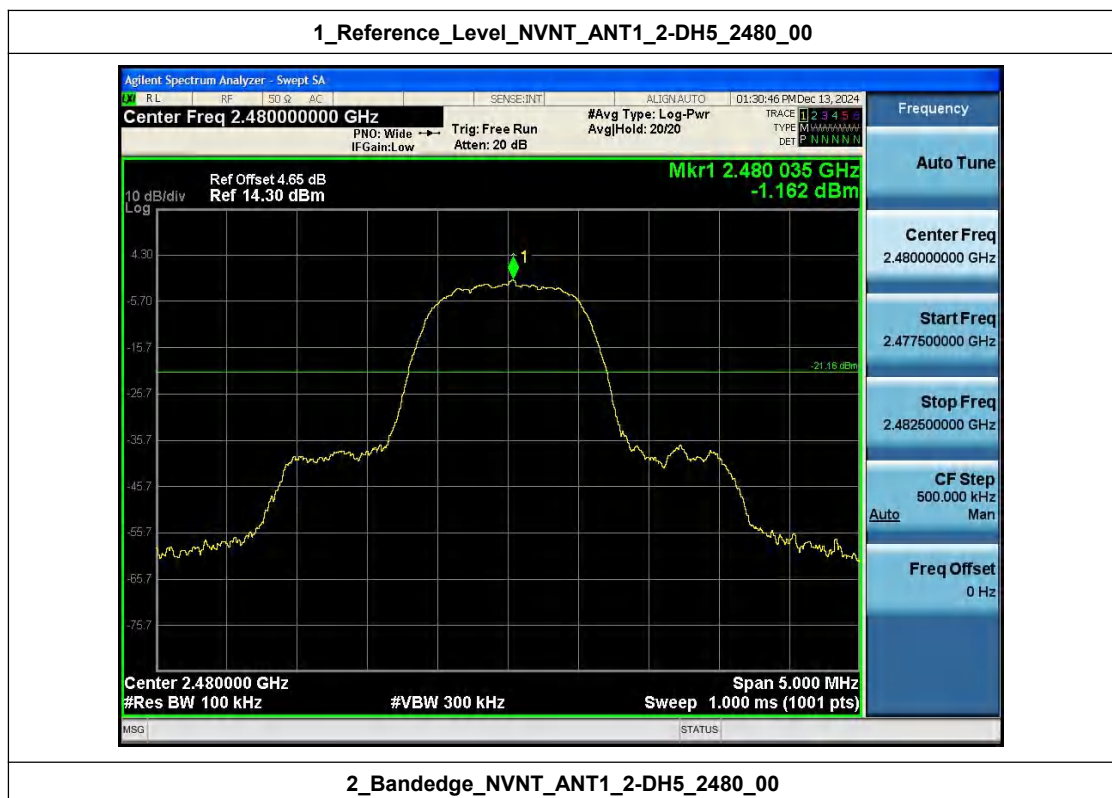


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

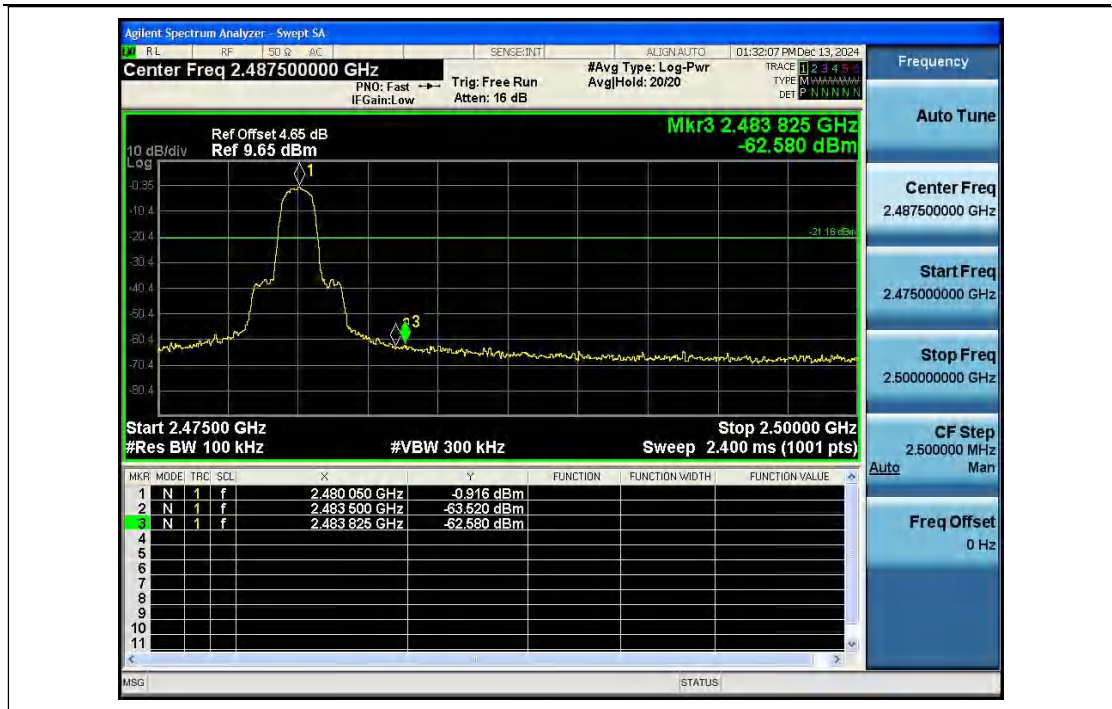




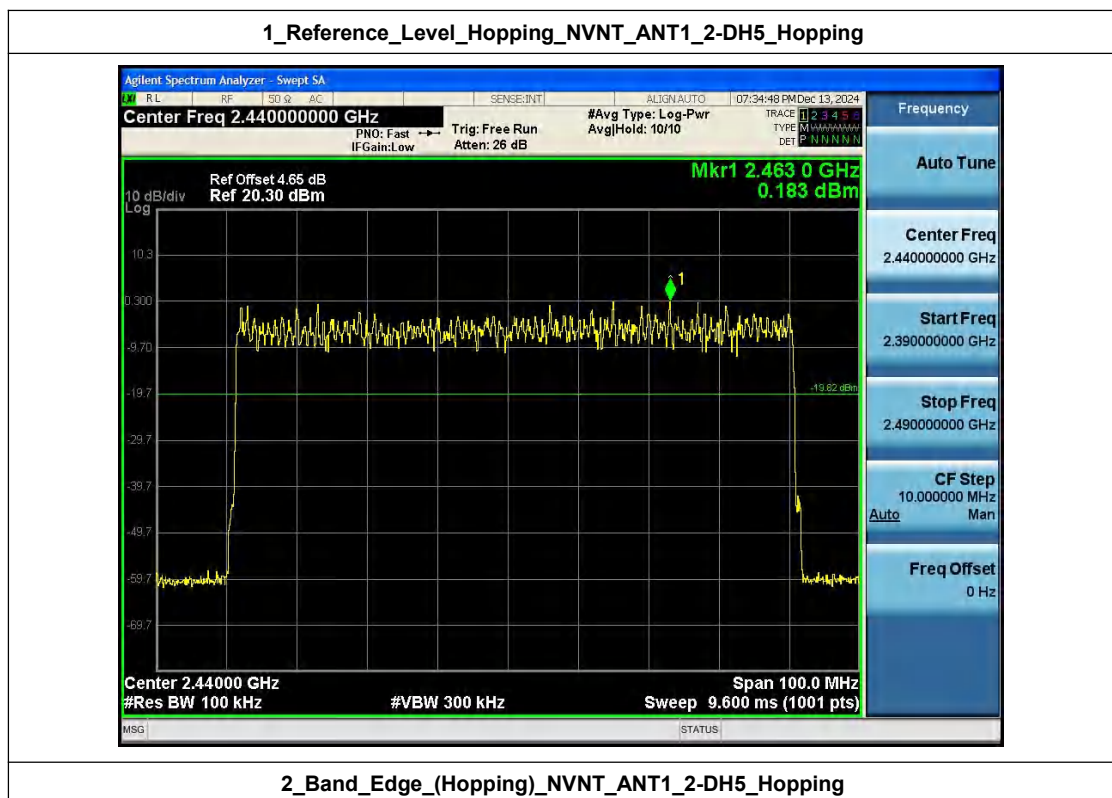
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



2_Bandedge_NVNT_ANT1_2-DH5_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping

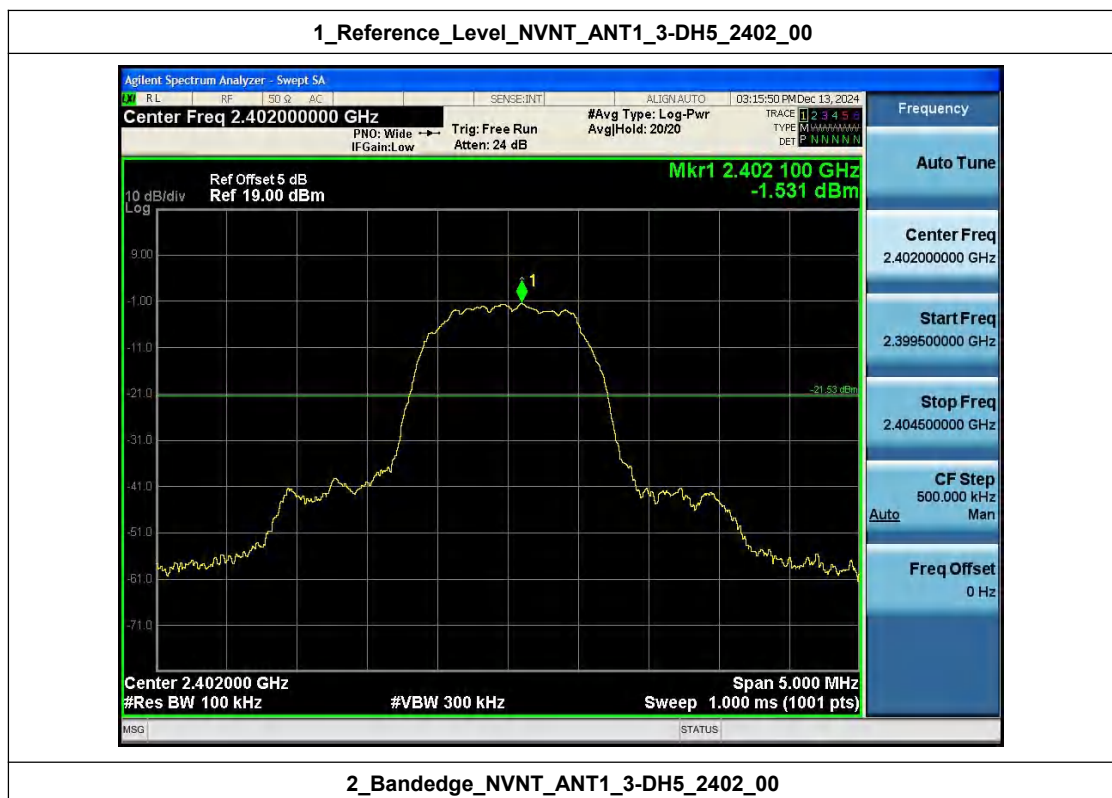


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



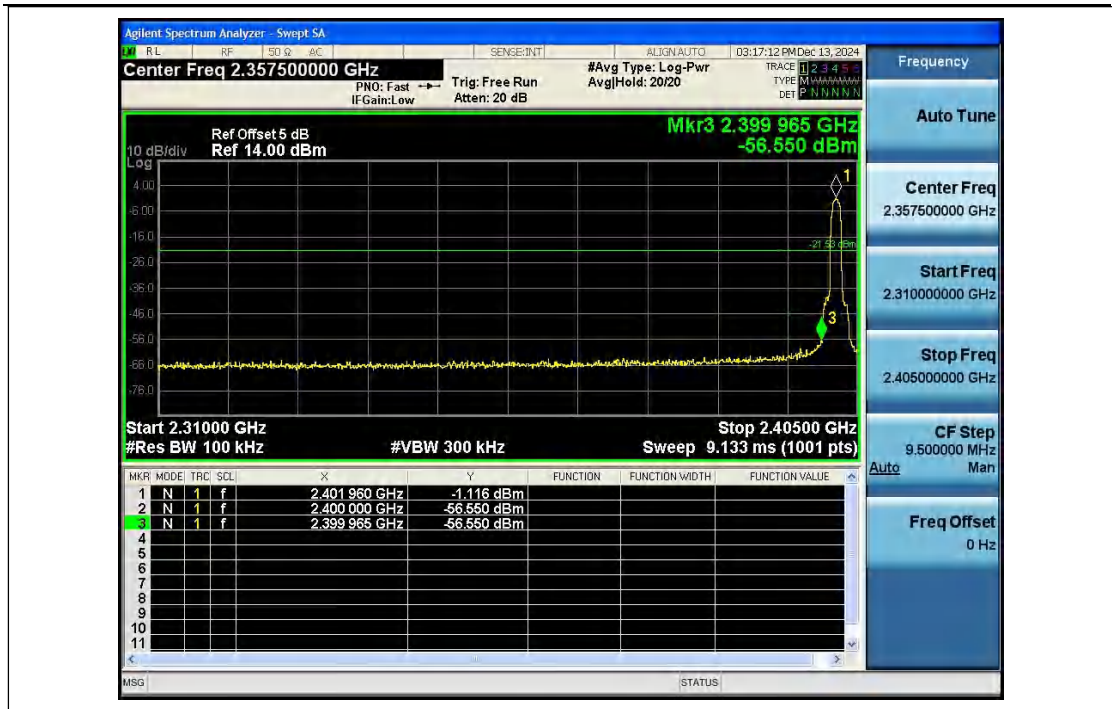


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

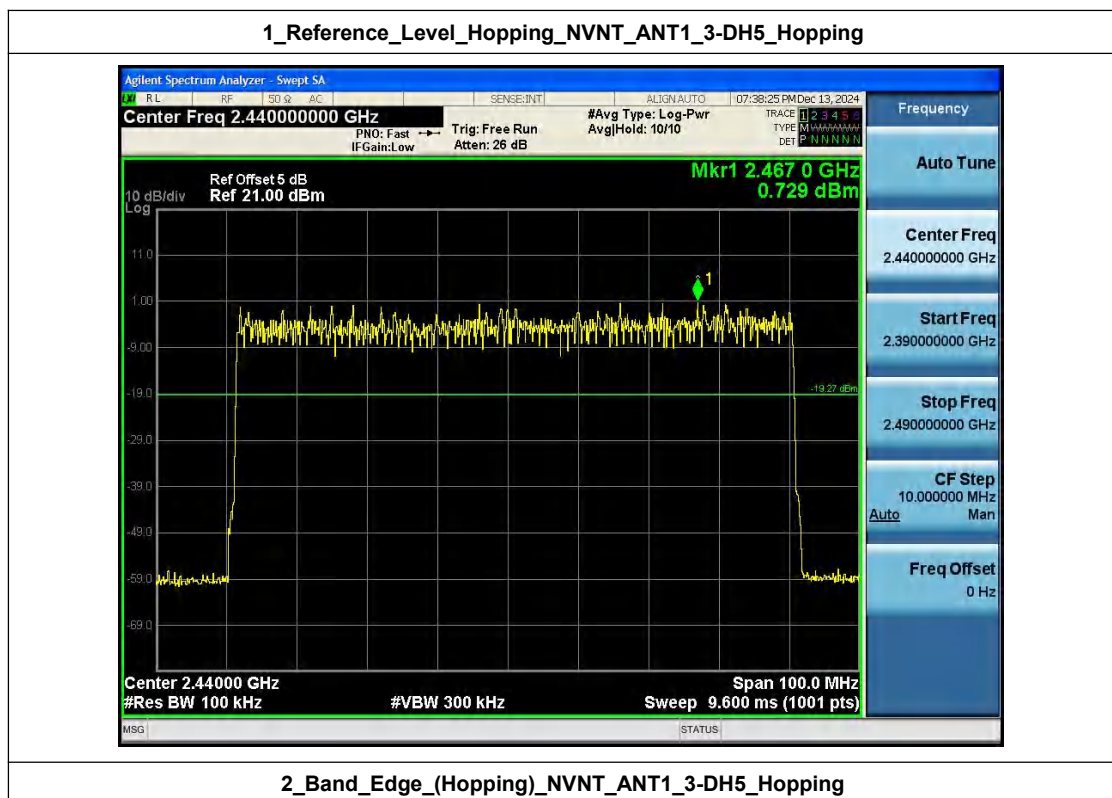


2_Bandedge_NVNT_ANT1_3-DH5_2402_00

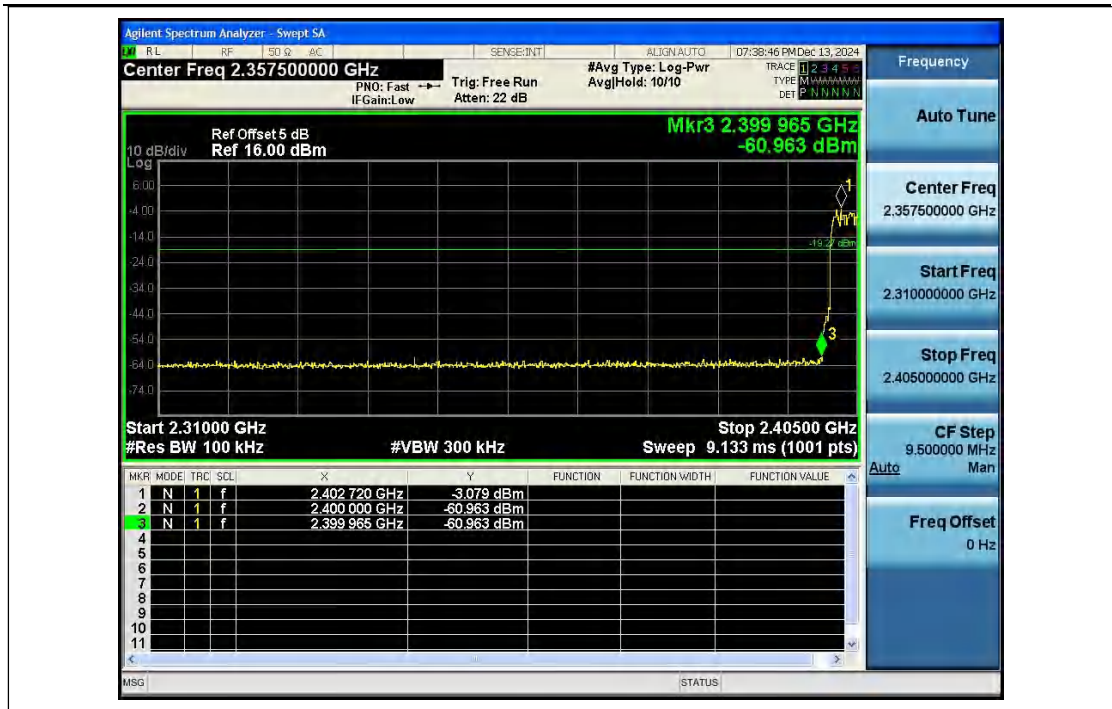




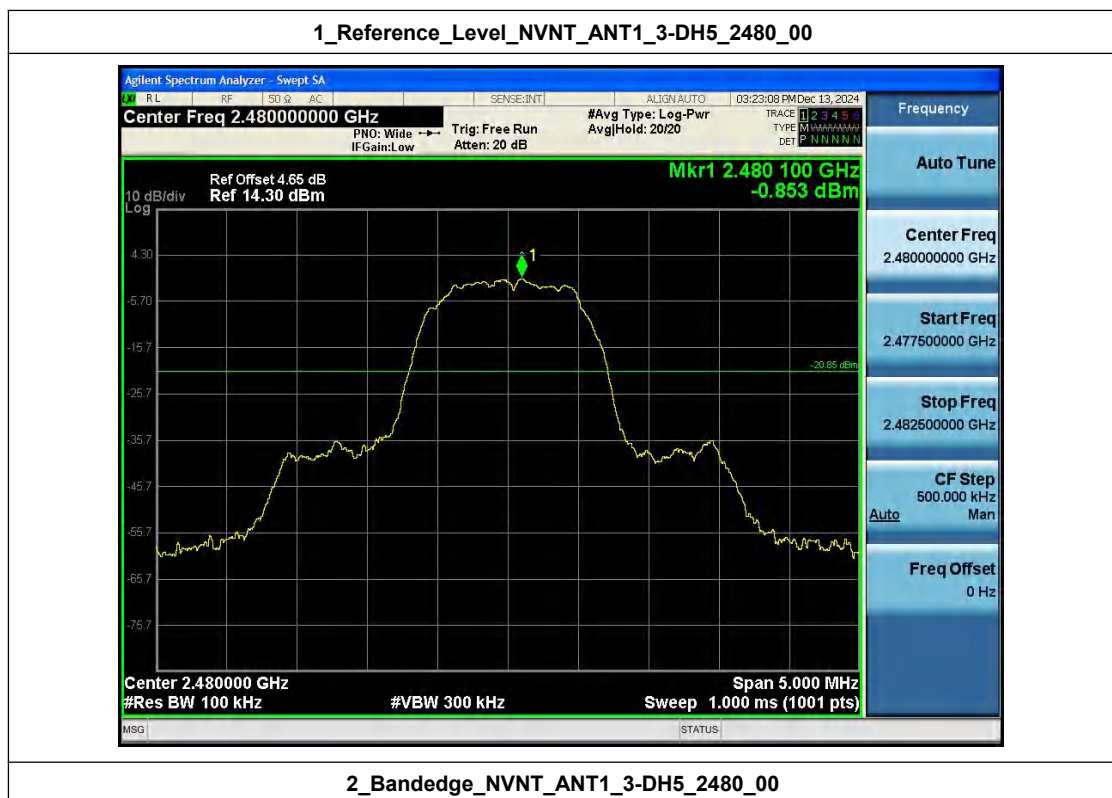
1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



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

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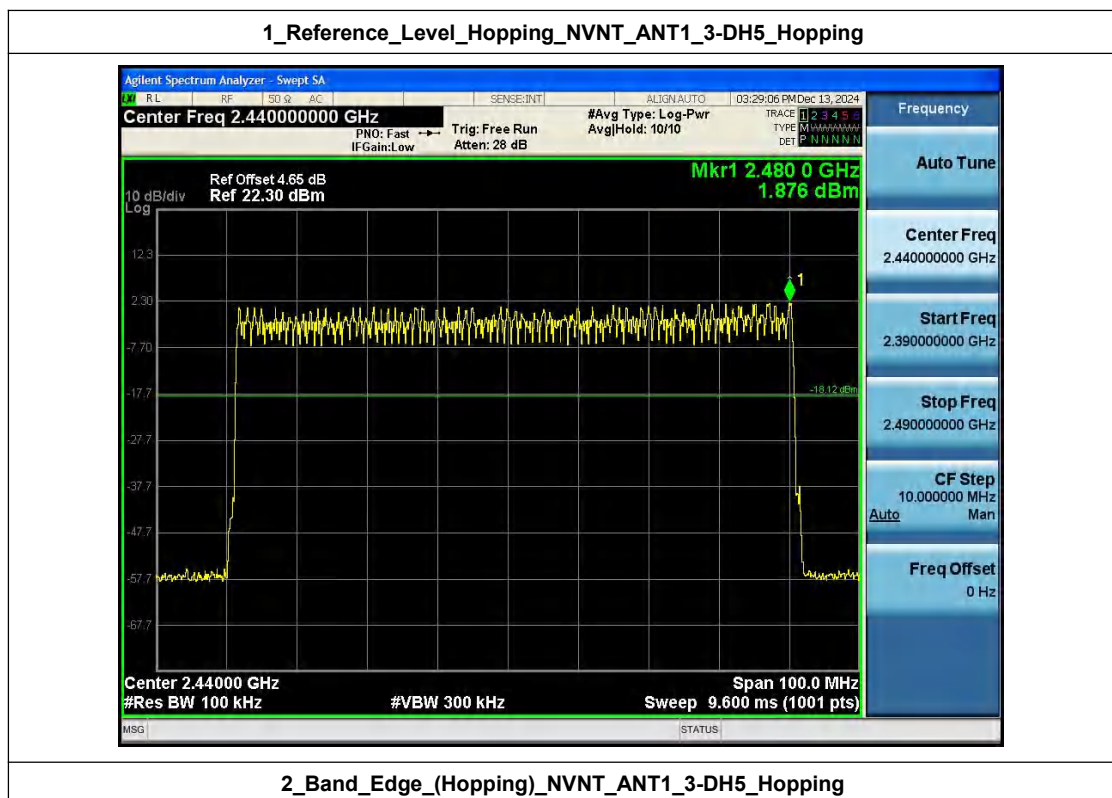
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1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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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	2440.846	2441.833	0.99	0.643	Pass
NVNT	ANT1	2-DH5	2441.00	2440.867	2441.845	0.98	0.915	Pass
NVNT	ANT1	3-DH5	2441.00	2441.164	2442.166	1.00	0.903	Pass

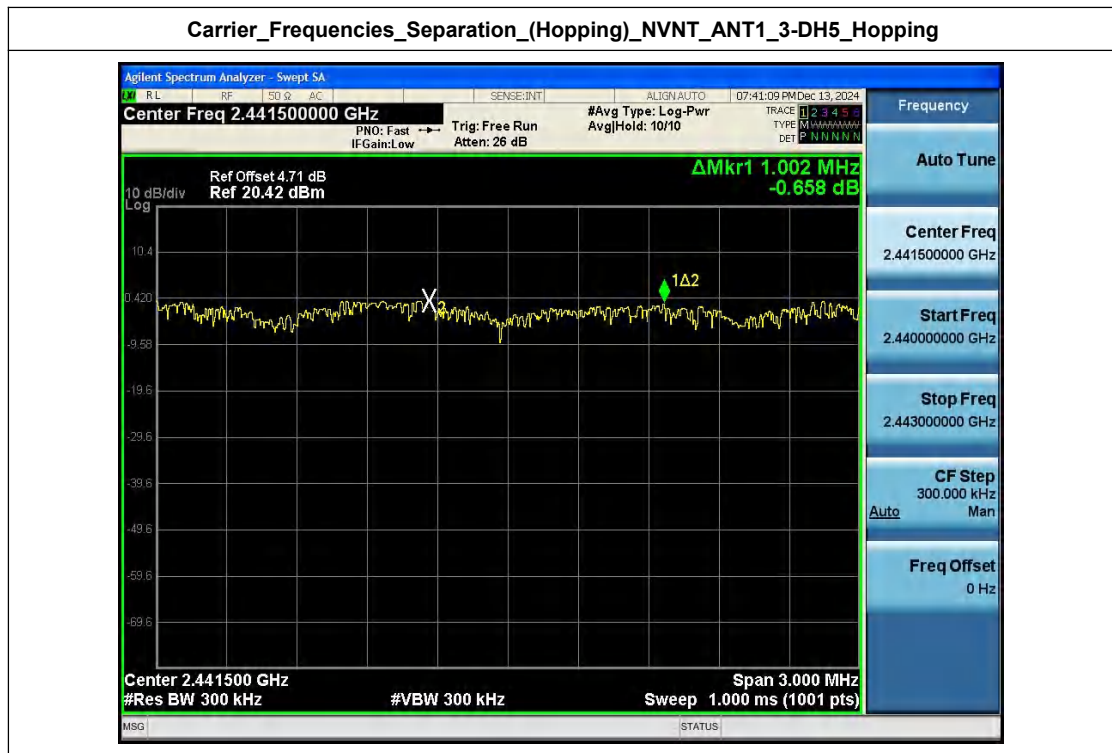
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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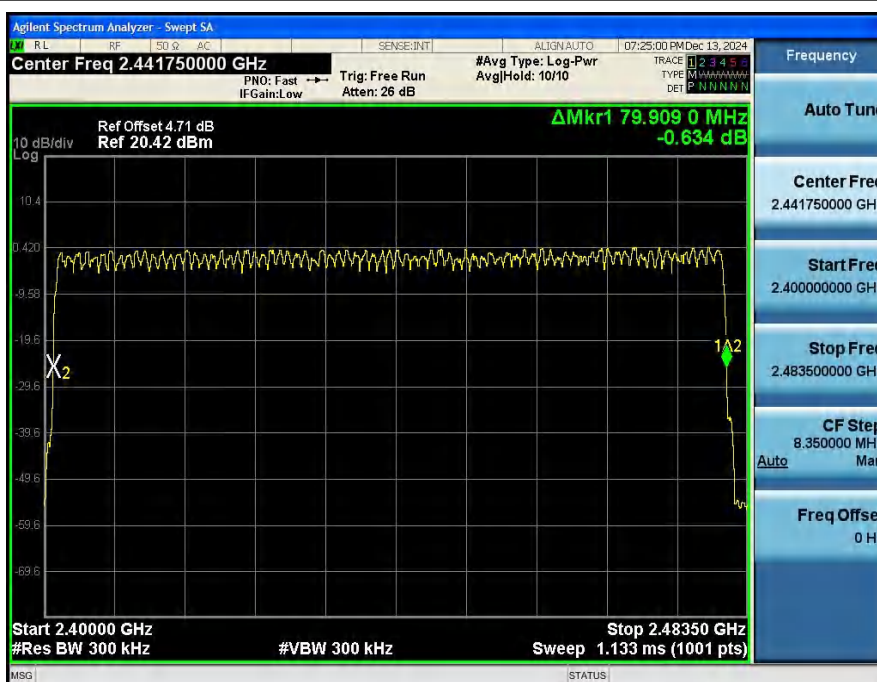
Appendix H: Number of Hopping Channel (Hopping)

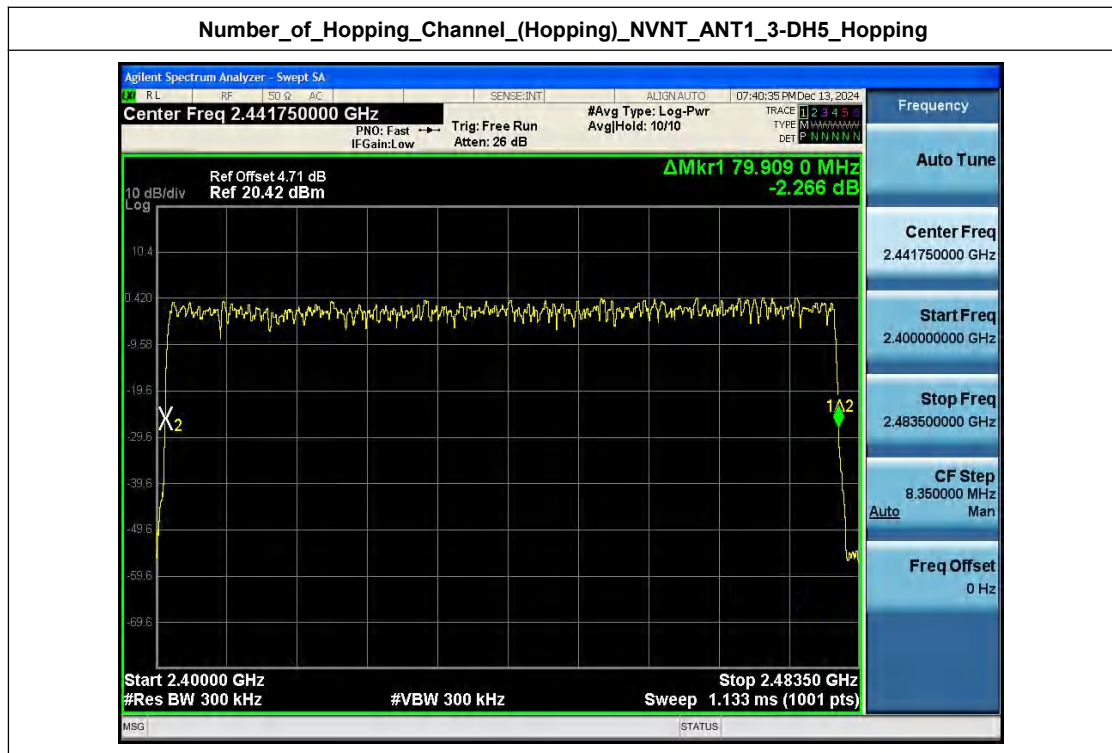
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping





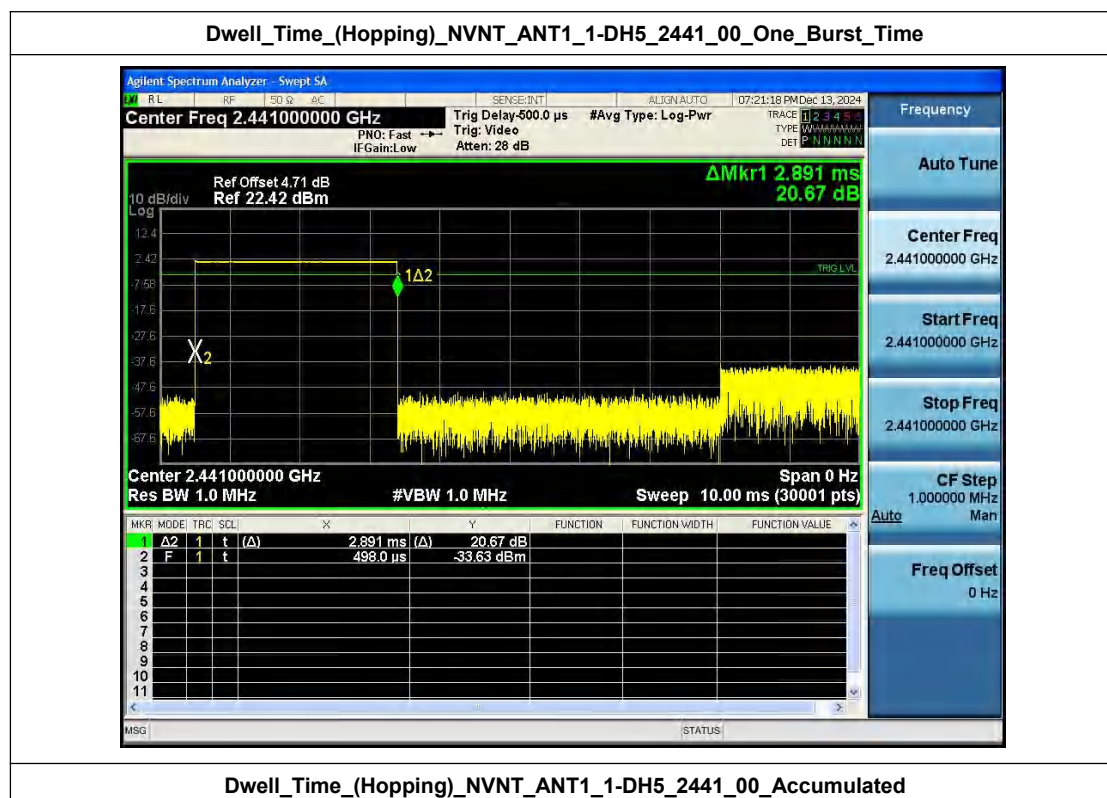
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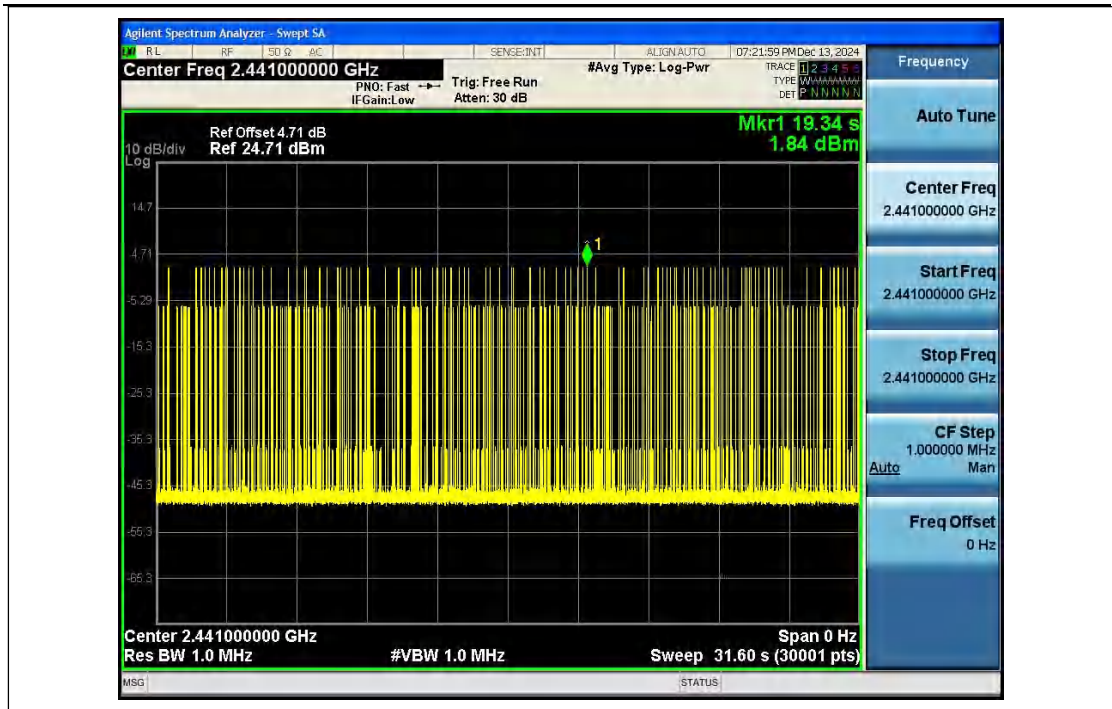
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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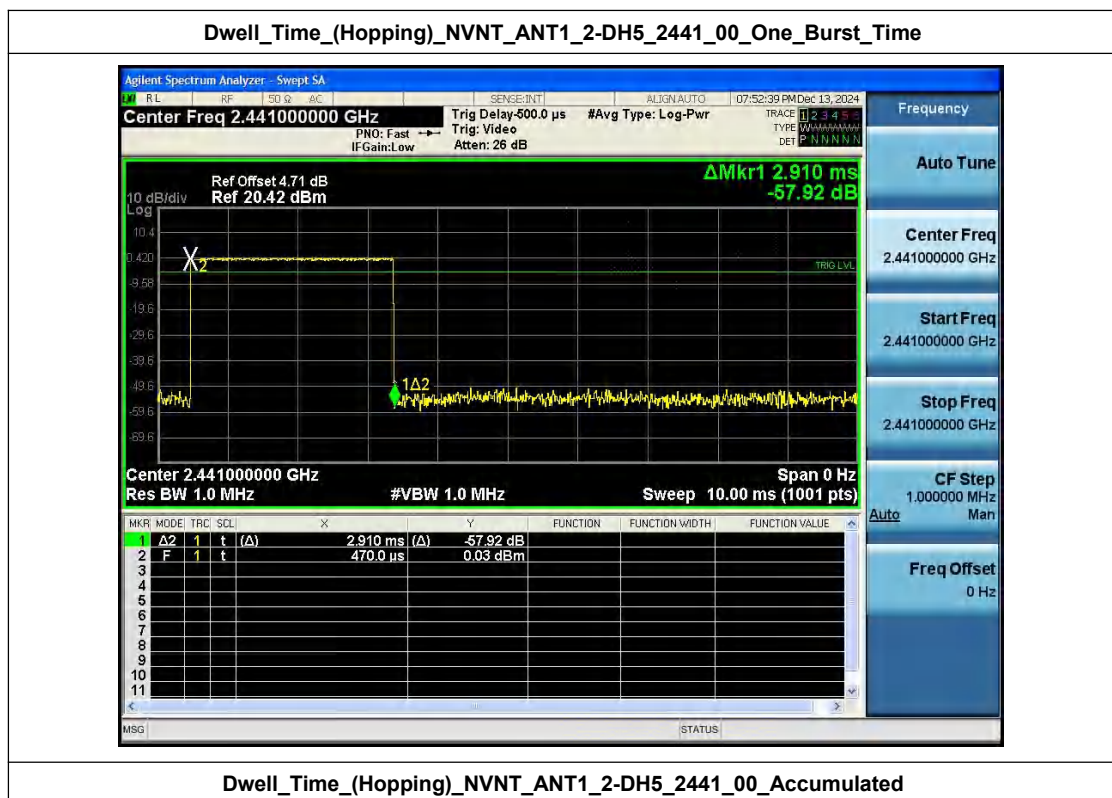
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.891	104.00	300.664	0.40	Pass
NVNT	ANT1	2-DH5	2.910	90.00	261.900	0.40	Pass
NVNT	ANT1	3-DH5	2.910	102.00	296.820	0.40	Pass
NVNT	ANT1	1-DH1	0.387	320.00	123.840	0.40	Pass
NVNT	ANT1	1-DH3	1.643	150.00	246.450	0.40	Pass
NVNT	ANT1	2-DH1	0.410	230.00	94.300	0.40	Pass
NVNT	ANT1	2-DH3	1.660	136.00	225.760	0.40	Pass
NVNT	ANT1	3-DH1	0.400	226.00	90.400	0.40	Pass
NVNT	ANT1	3-DH3	1.650	140.00	231.000	0.40	Pass

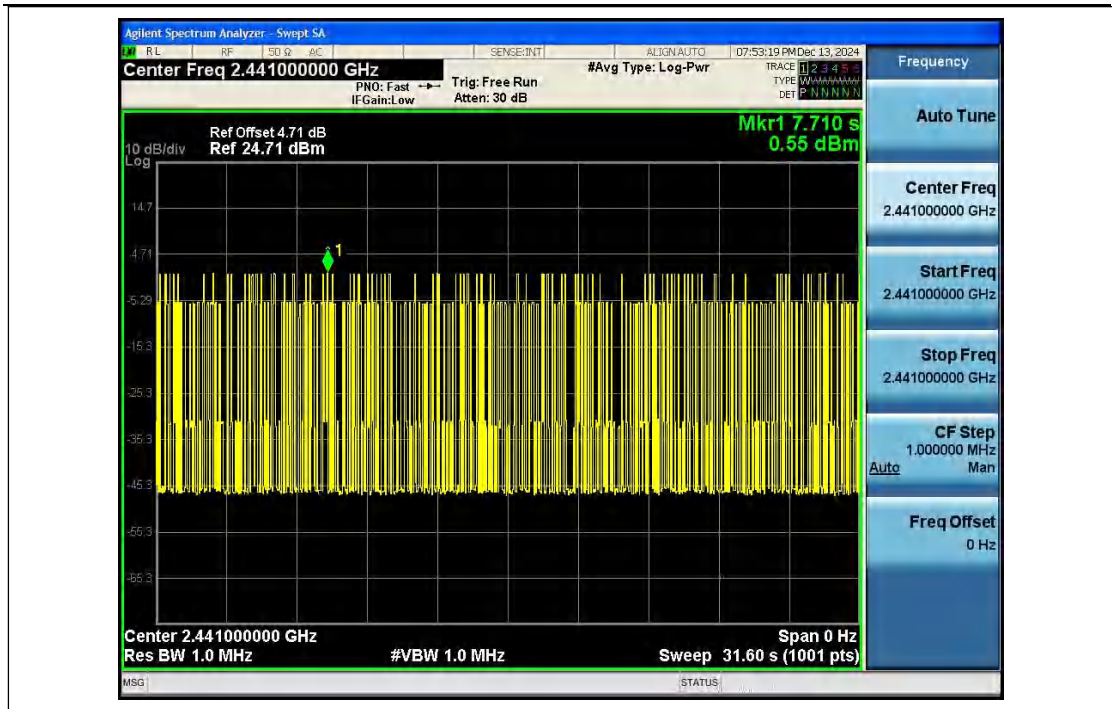




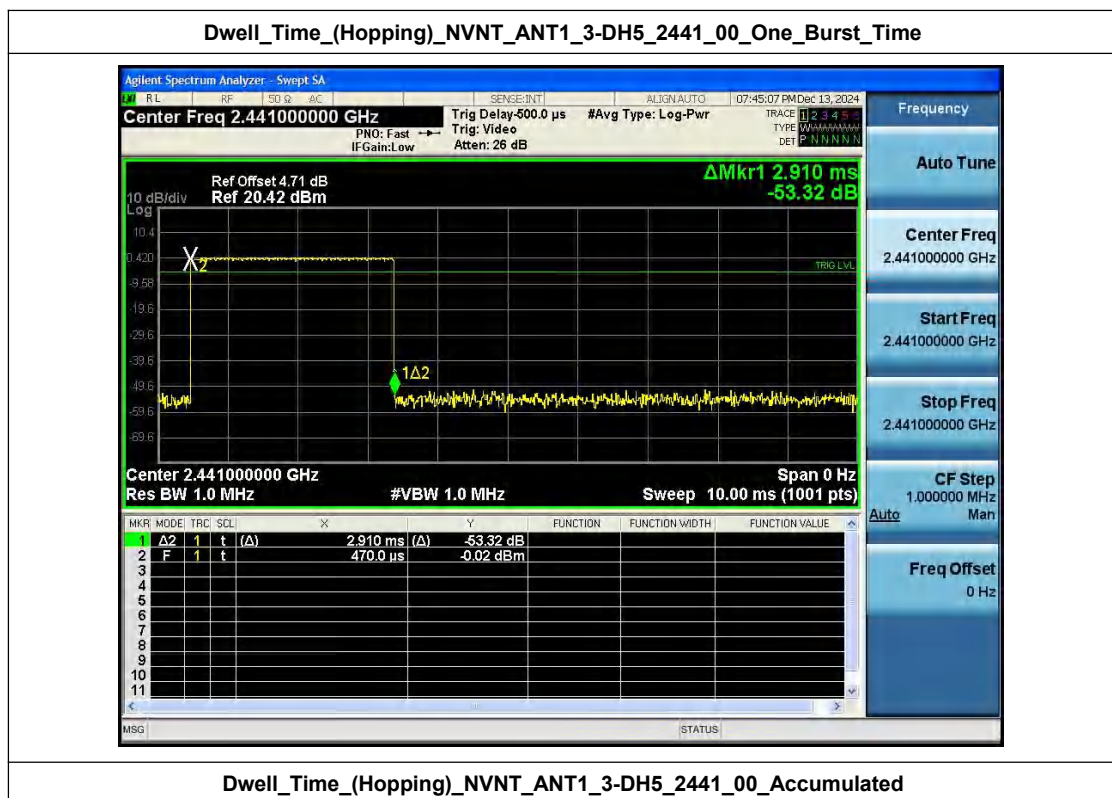
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



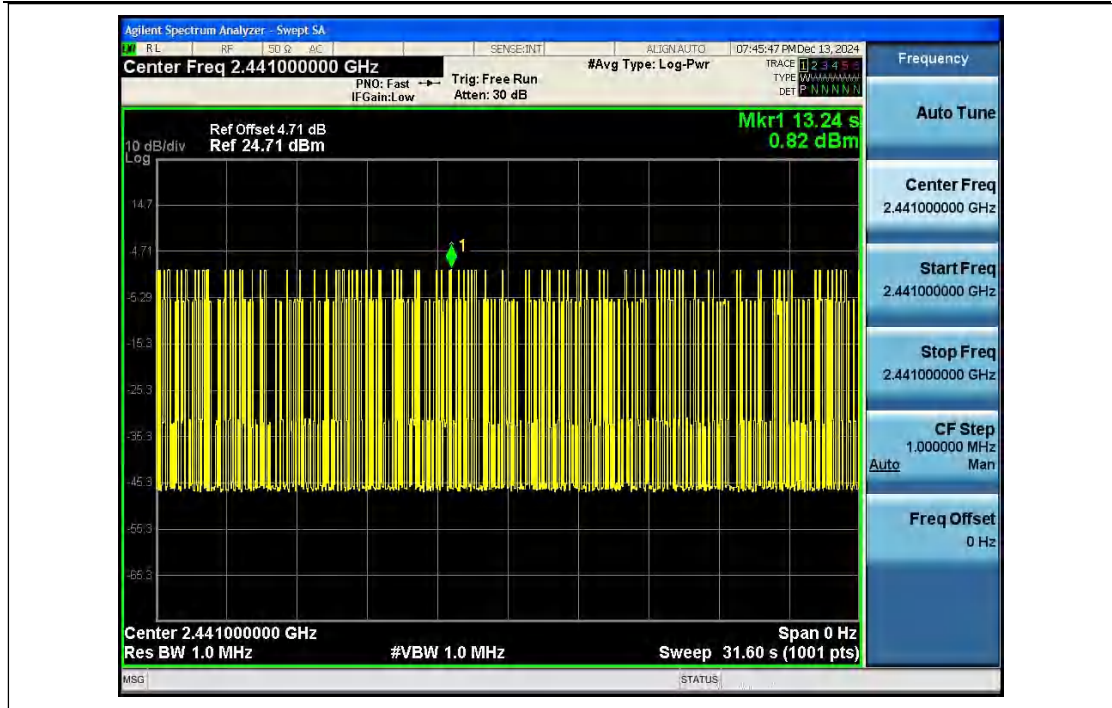
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



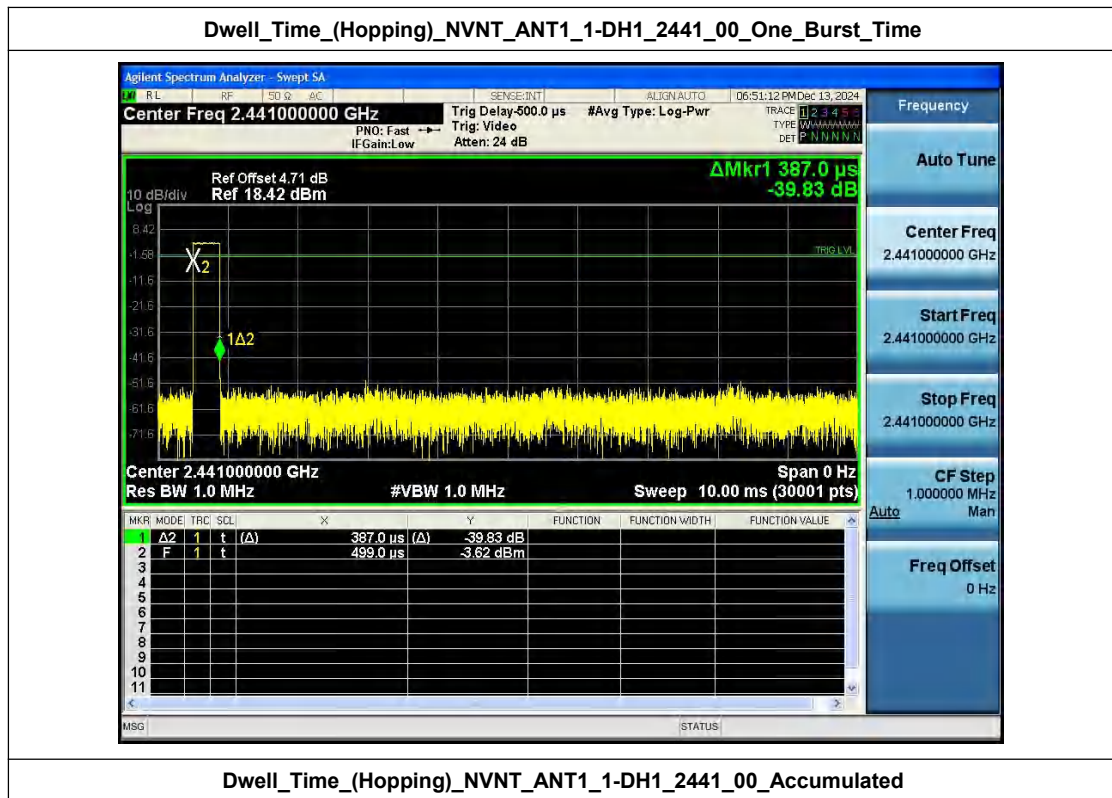
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time



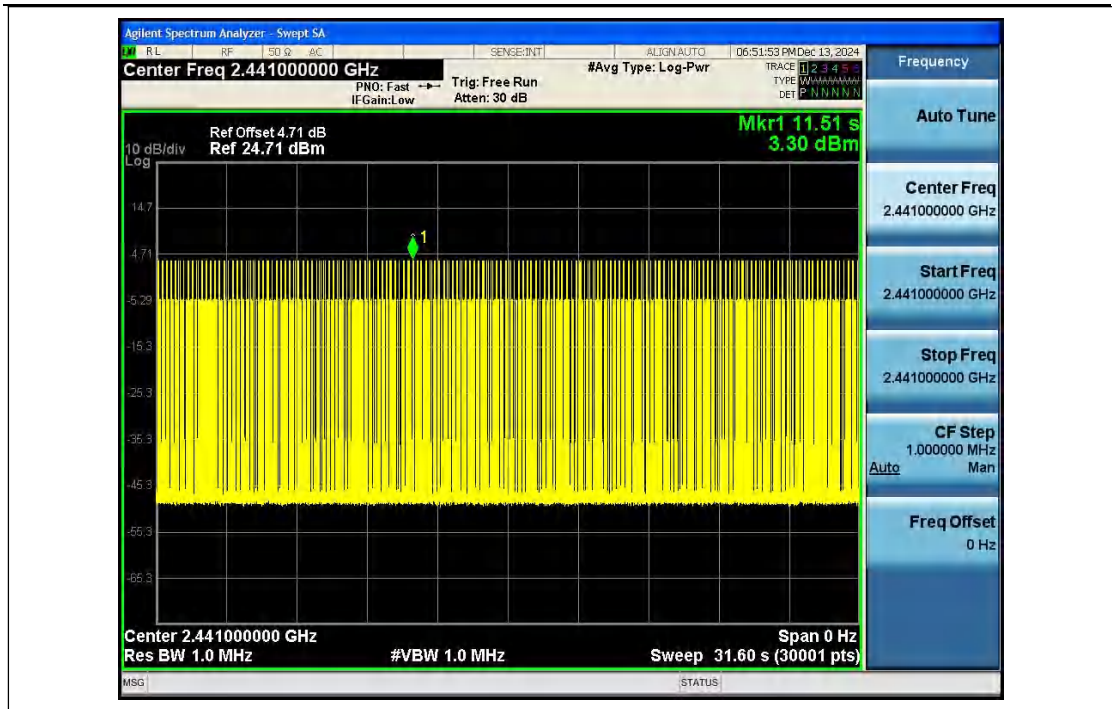
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_Accumulated

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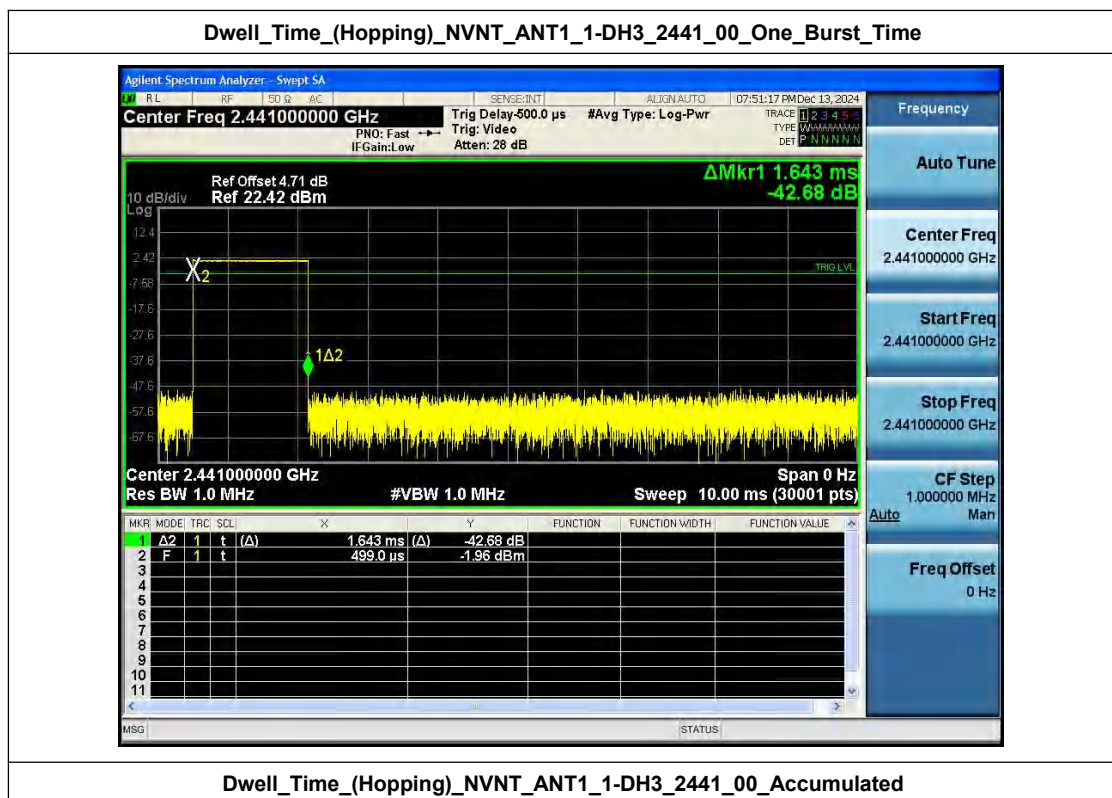
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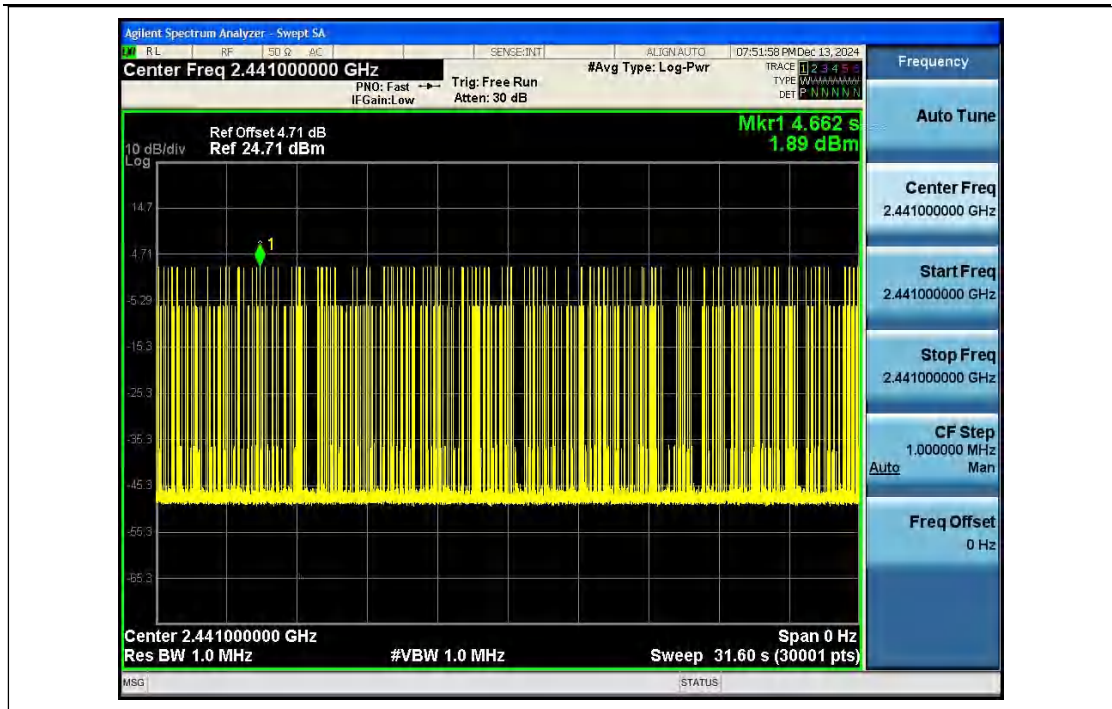
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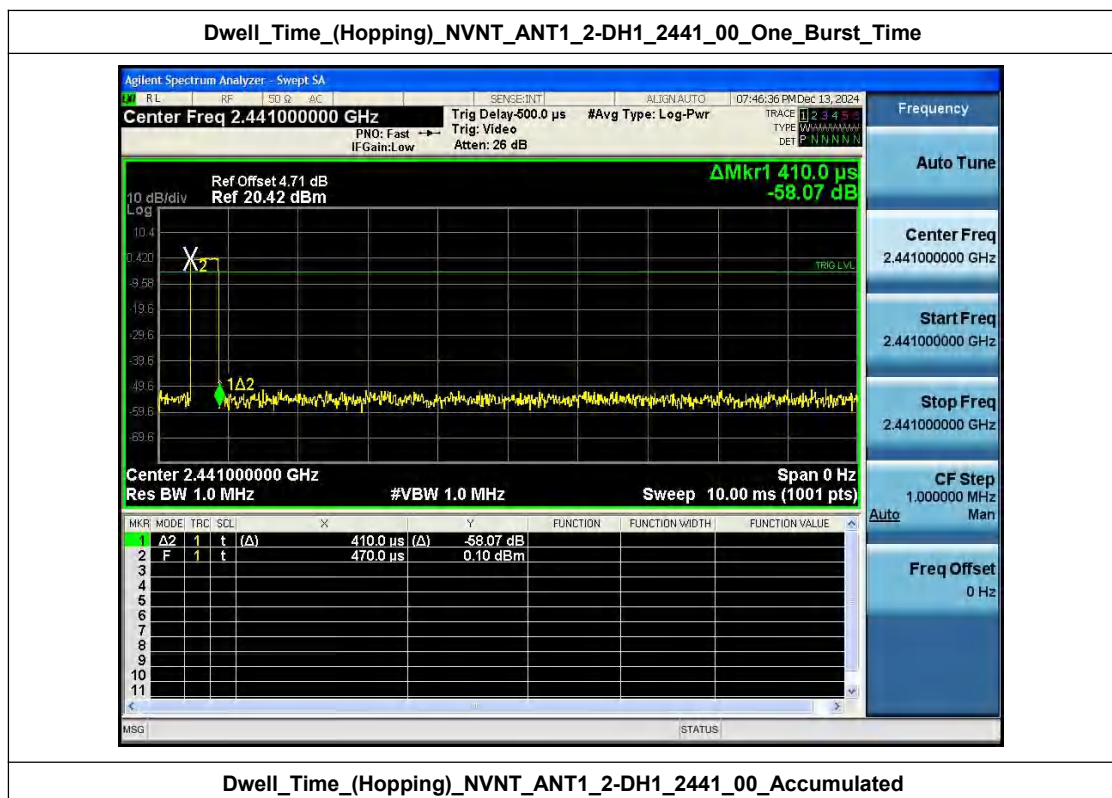
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time



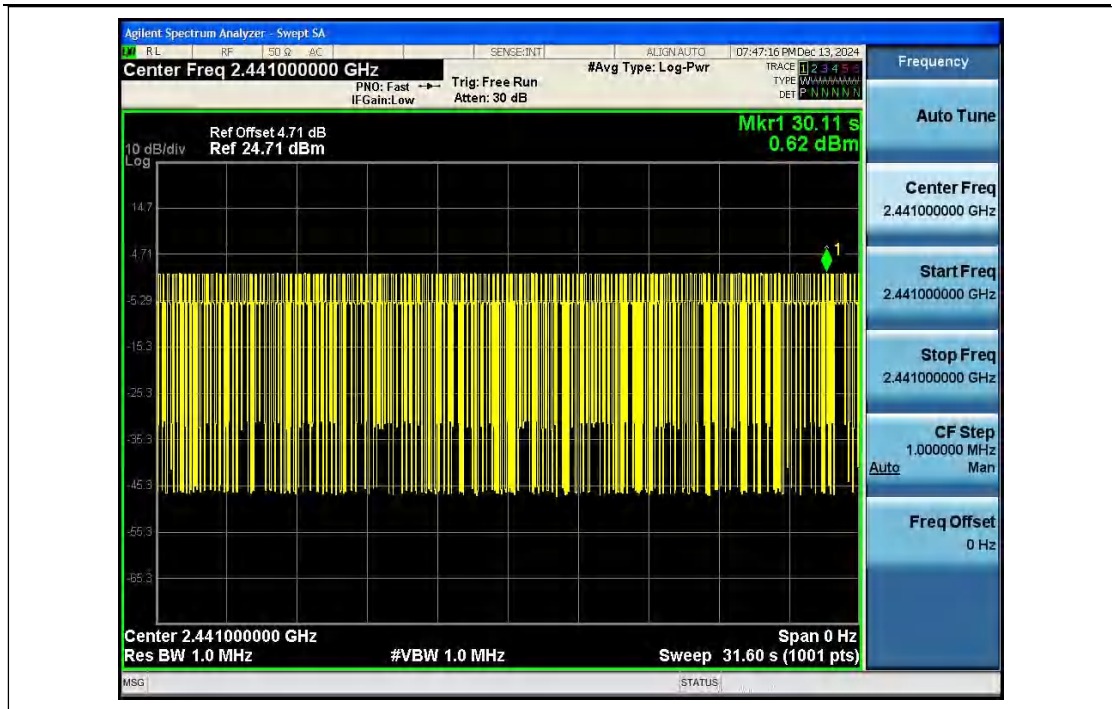
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated



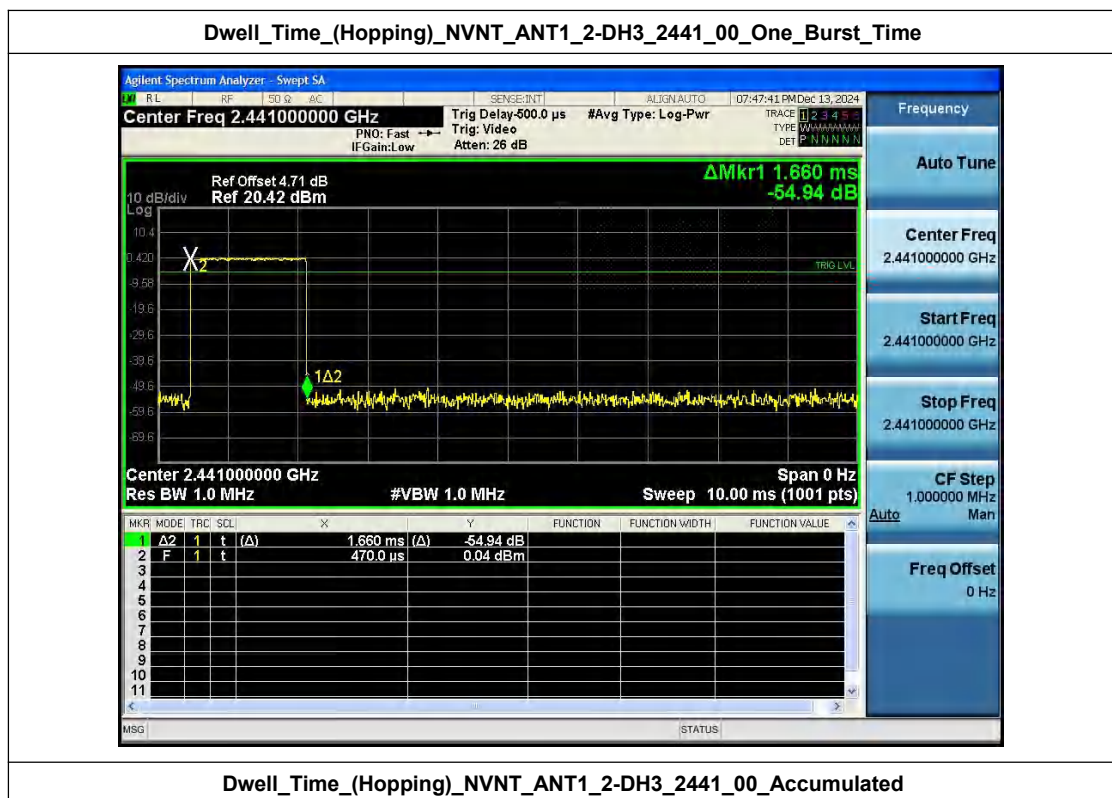
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time



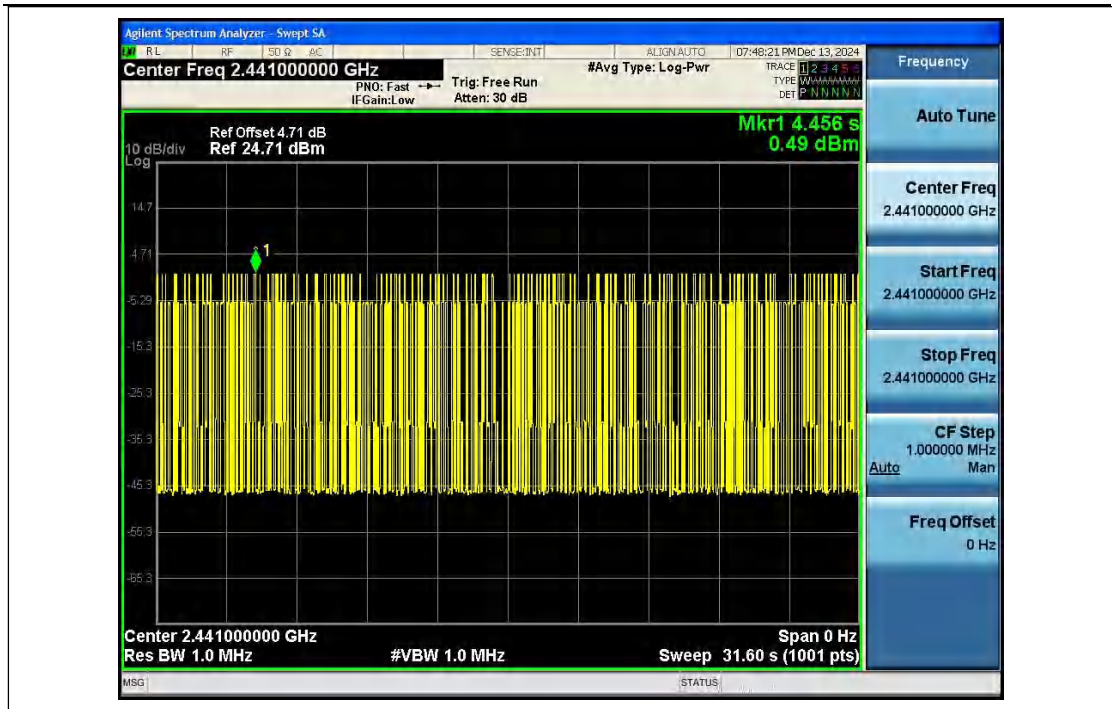
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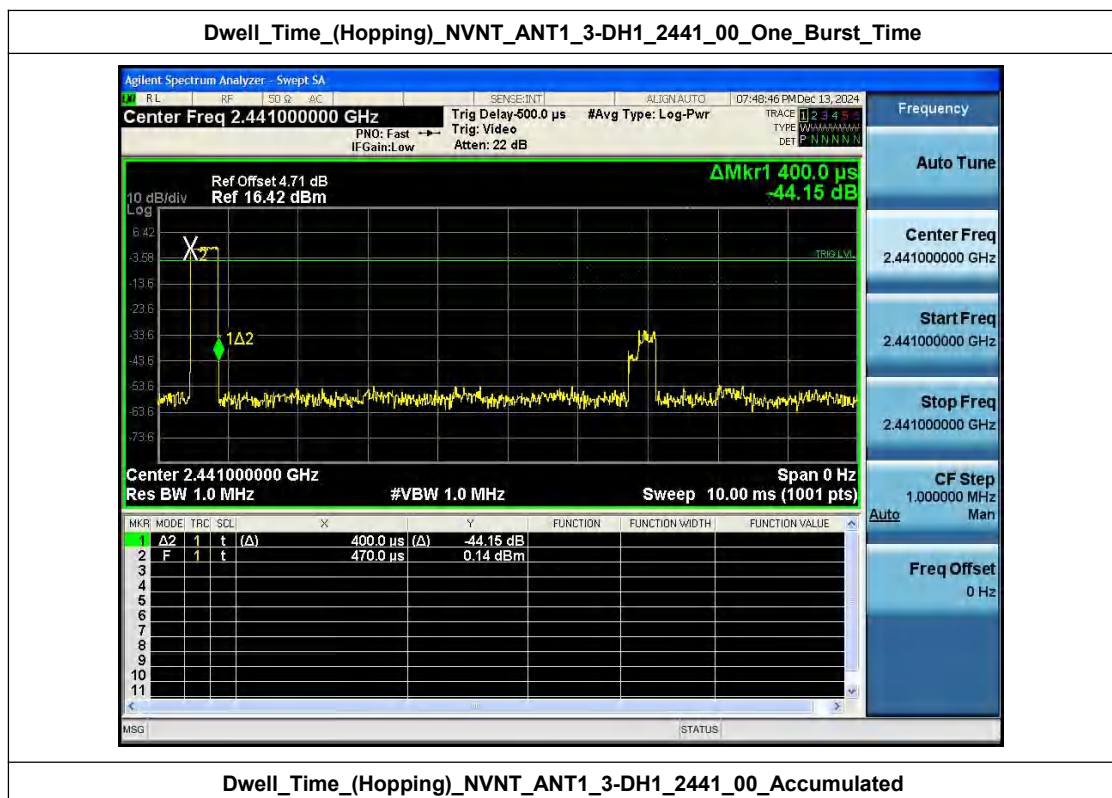
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time



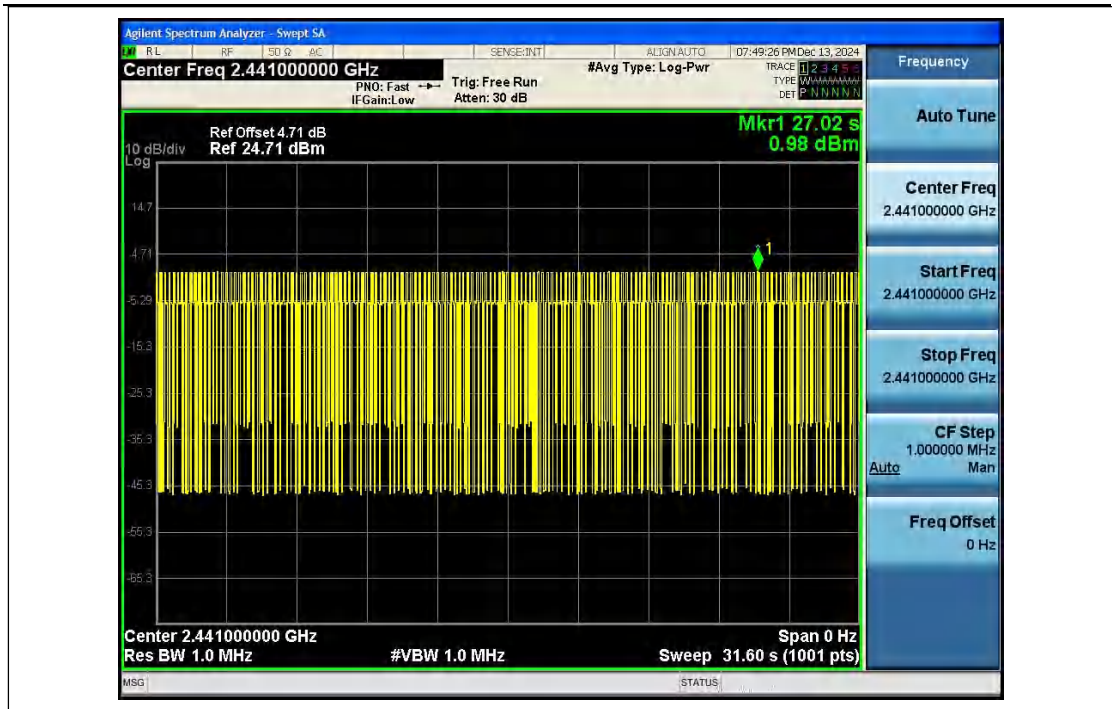
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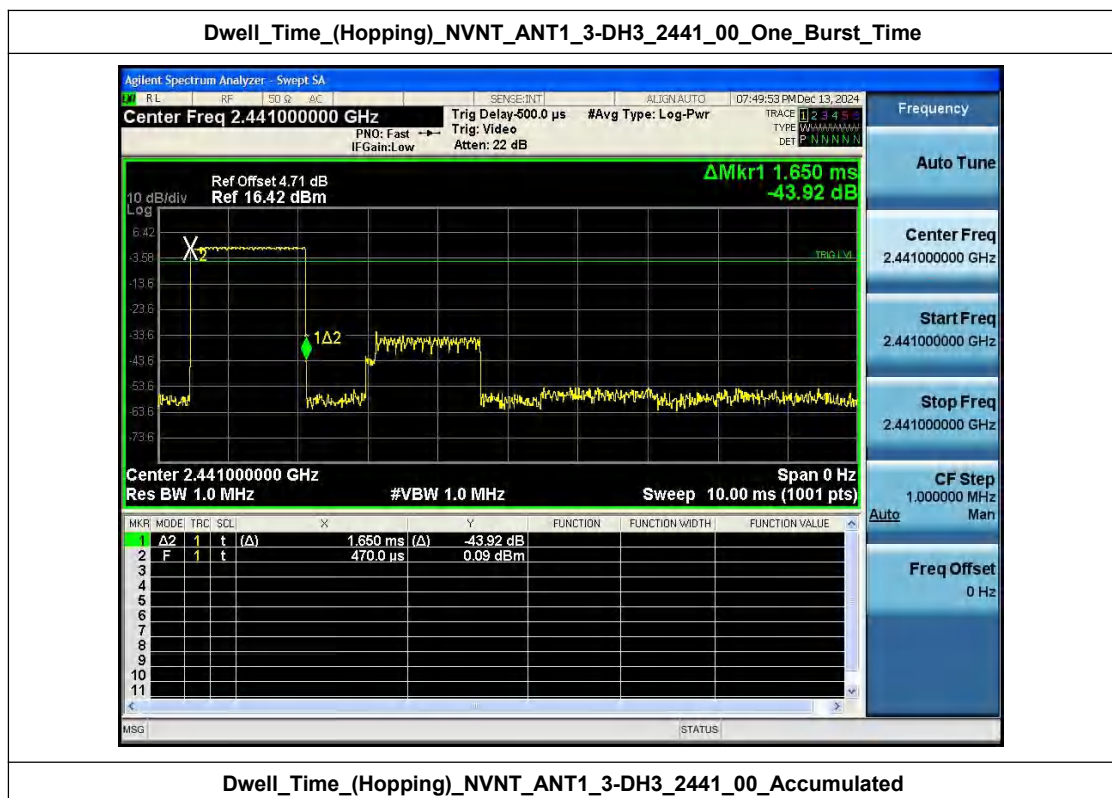
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



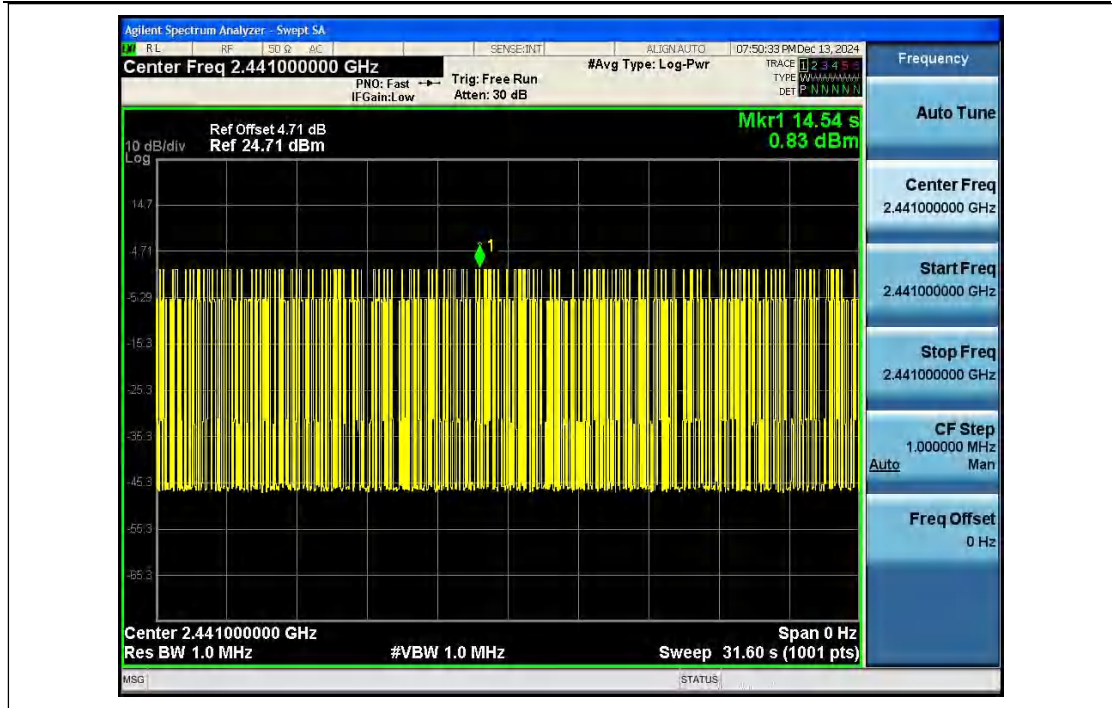
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



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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