

Appendix Test Data

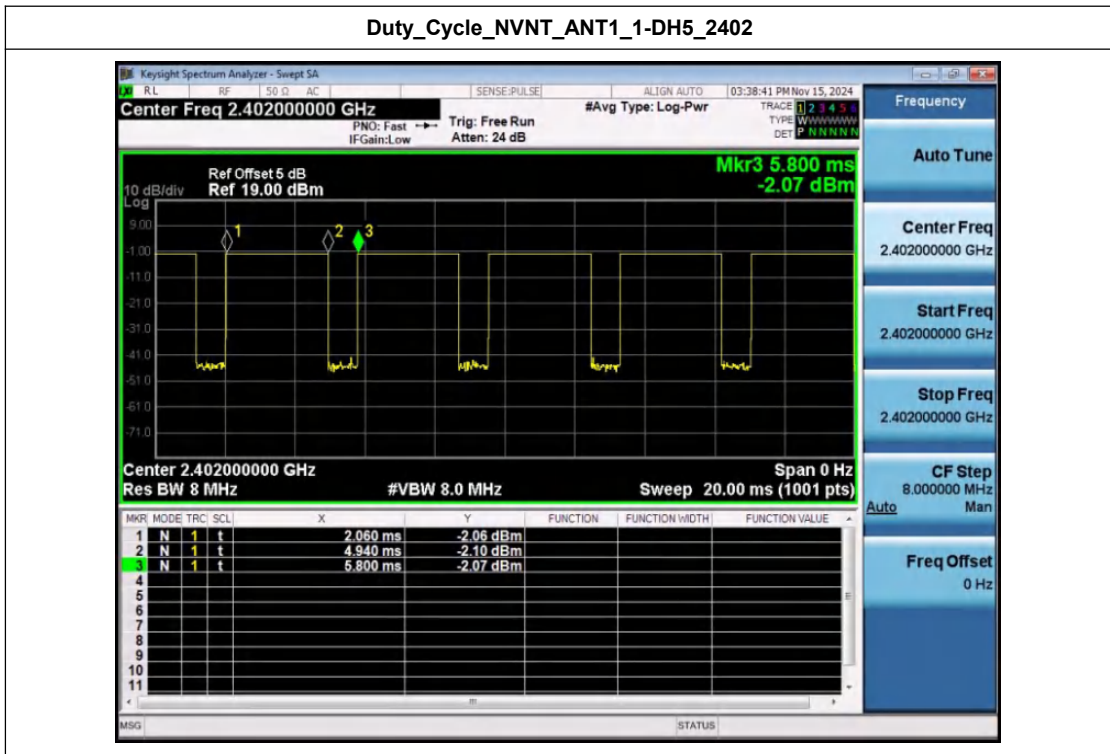
Report No.:	1812C40132512501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.7	Finish Test Date:	2024.11.15
Test Engineer:	<i>Joker Wong</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.1°C	Relative Humidity:	51%
Pressure:	101kPa		

Appendix A: Duty Cycle

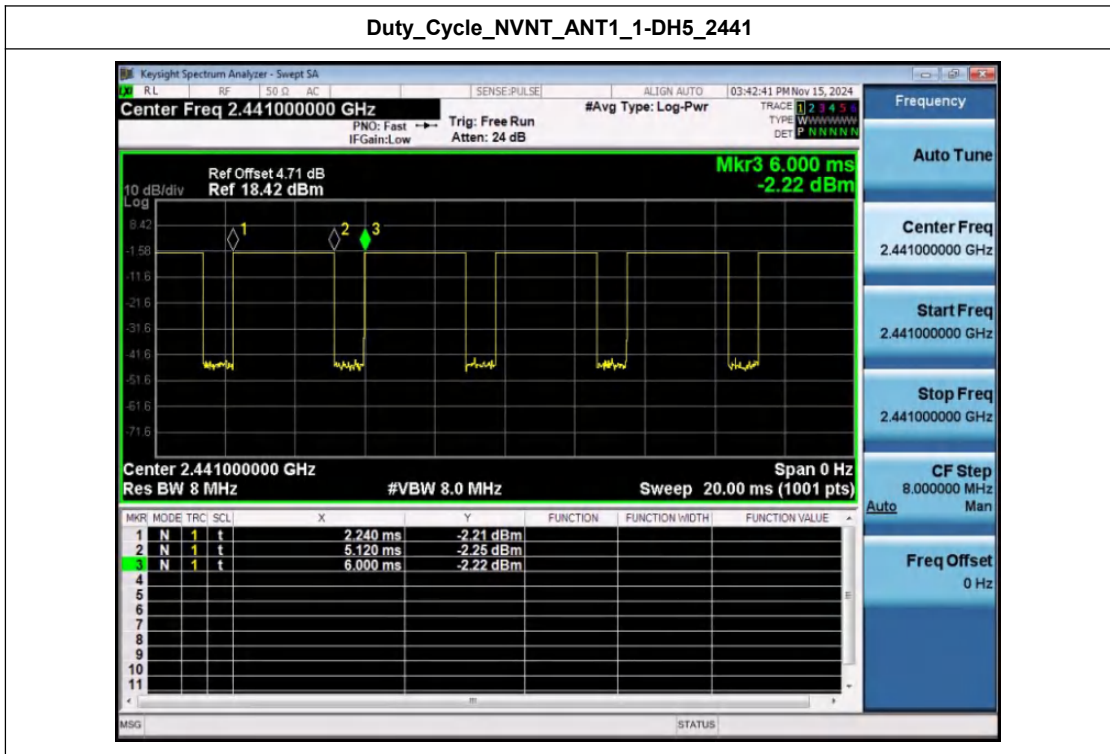
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.54	1.10
NVNT	ANT1	1-DH5	2441.00	77.13	1.13
NVNT	ANT1	1-DH5	2480.00	77.13	1.13
NVNT	ANT1	2-DH5	2402.00	77.66	1.10
NVNT	ANT1	2-DH5	2441.00	77.13	1.13
NVNT	ANT1	2-DH5	2480.00	77.13	1.13
NVNT	ANT1	3-DH5	2402.00	77.13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



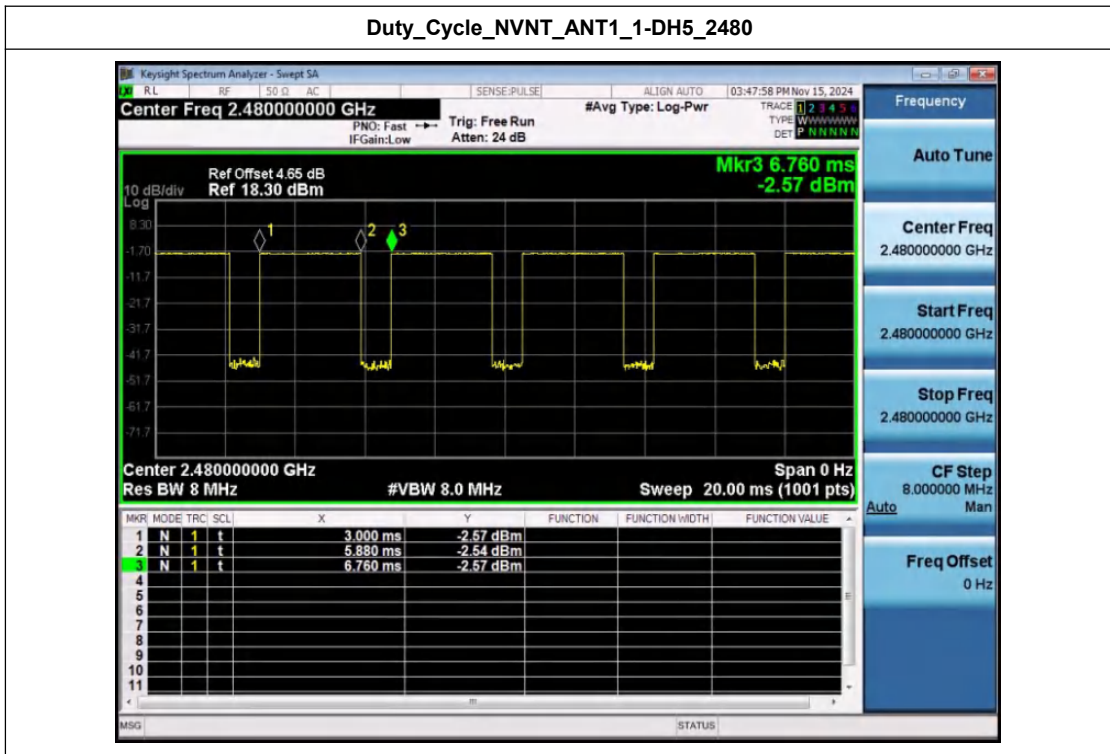
Duty_Cycle_NVNT_ANT1_1-DH5_2402



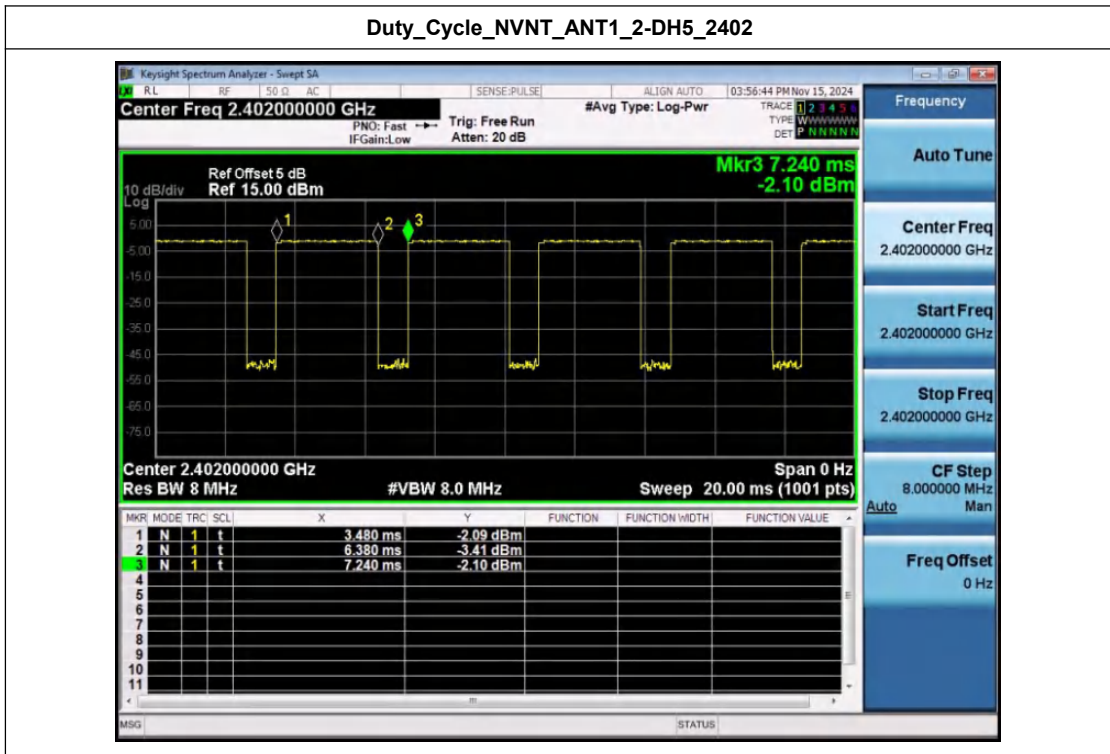
Duty_Cycle_NVNT_ANT1_1-DH5_2441



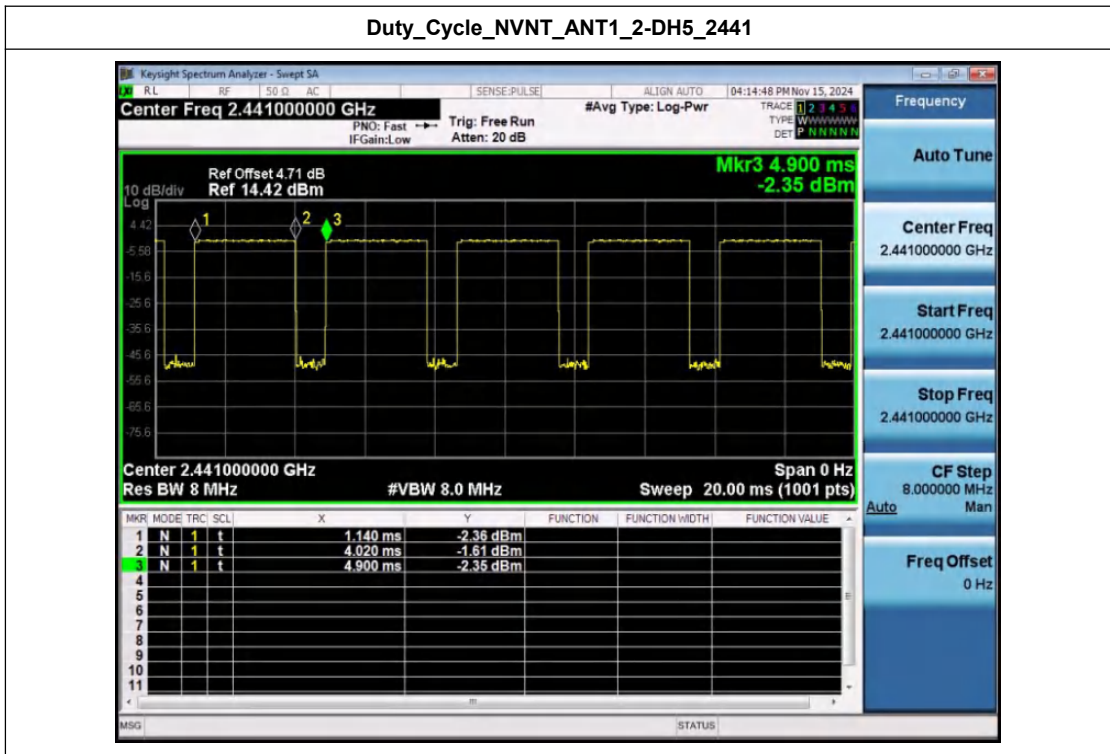
Duty_Cycle_NVNT_ANT1_1-DH5_2480



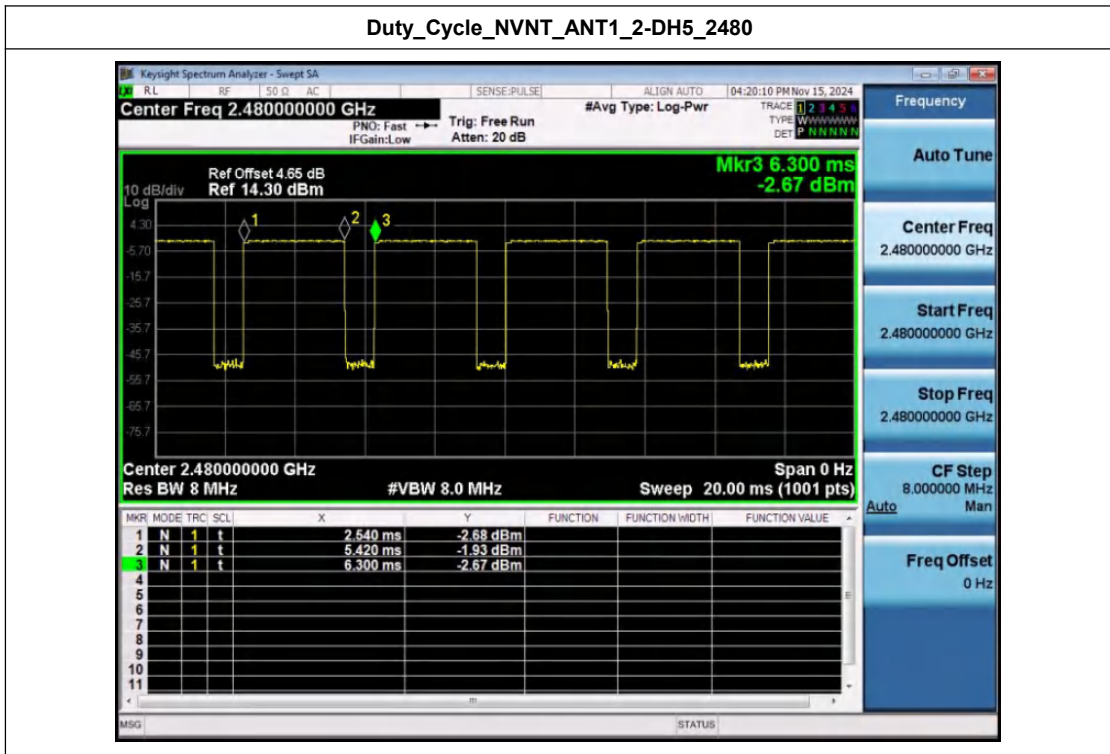
Duty_Cycle_NVNT_ANT1_2-DH5_2402



Duty_Cycle_NVNT_ANT1_2-DH5_2441



Duty_Cycle_NVNT_ANT1_2-DH5_2480



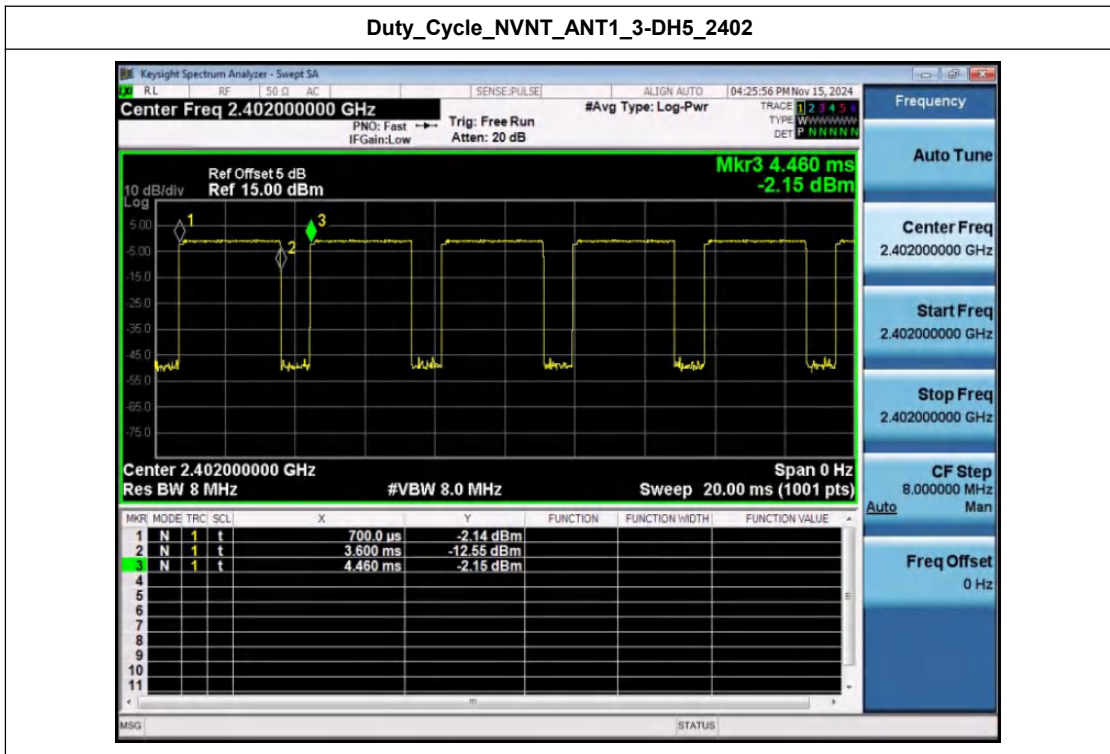
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Tel: (86)0755-26066440 Email: service@anbotek.com

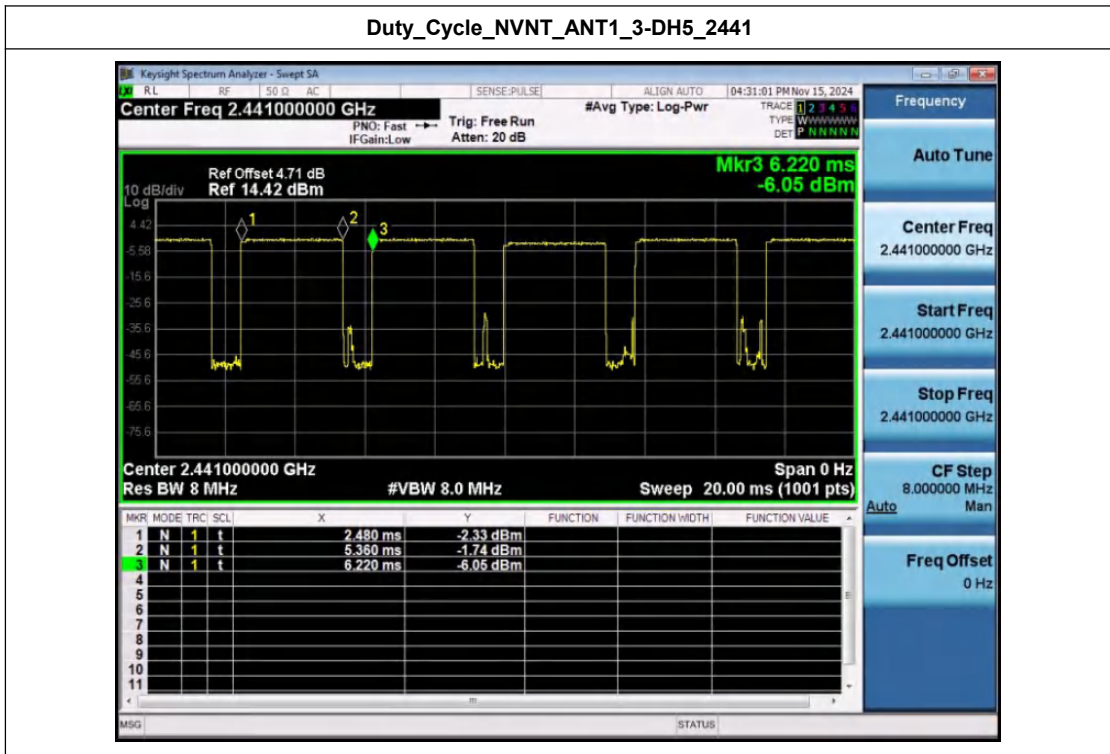
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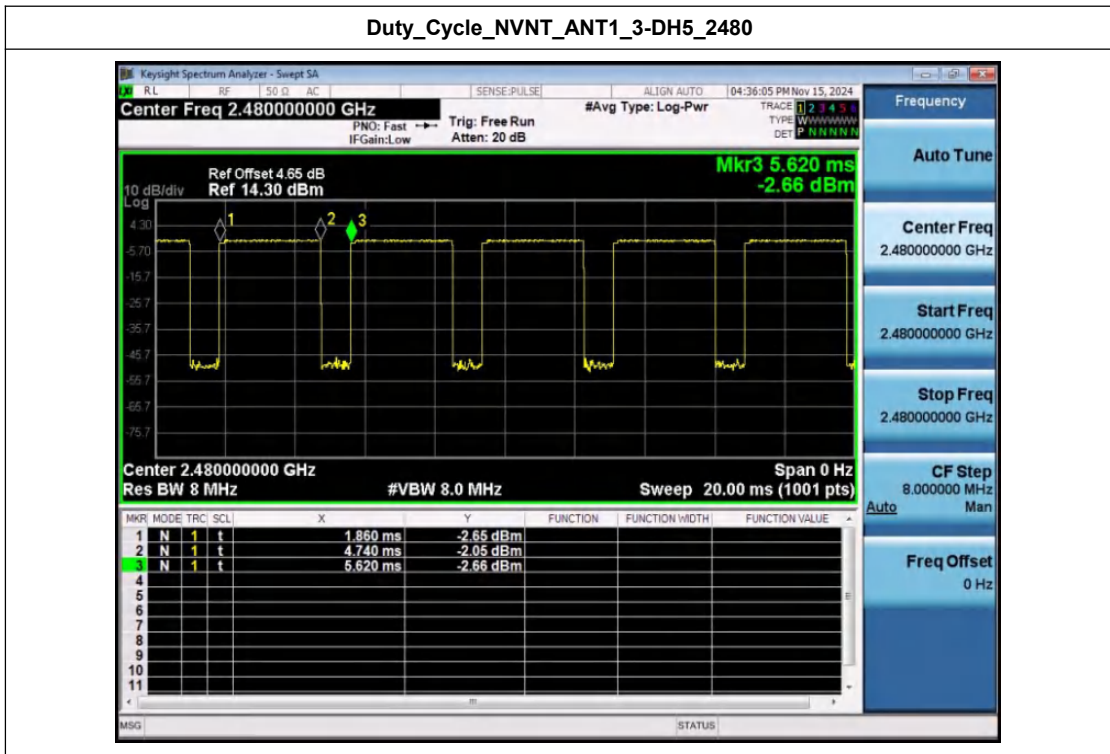
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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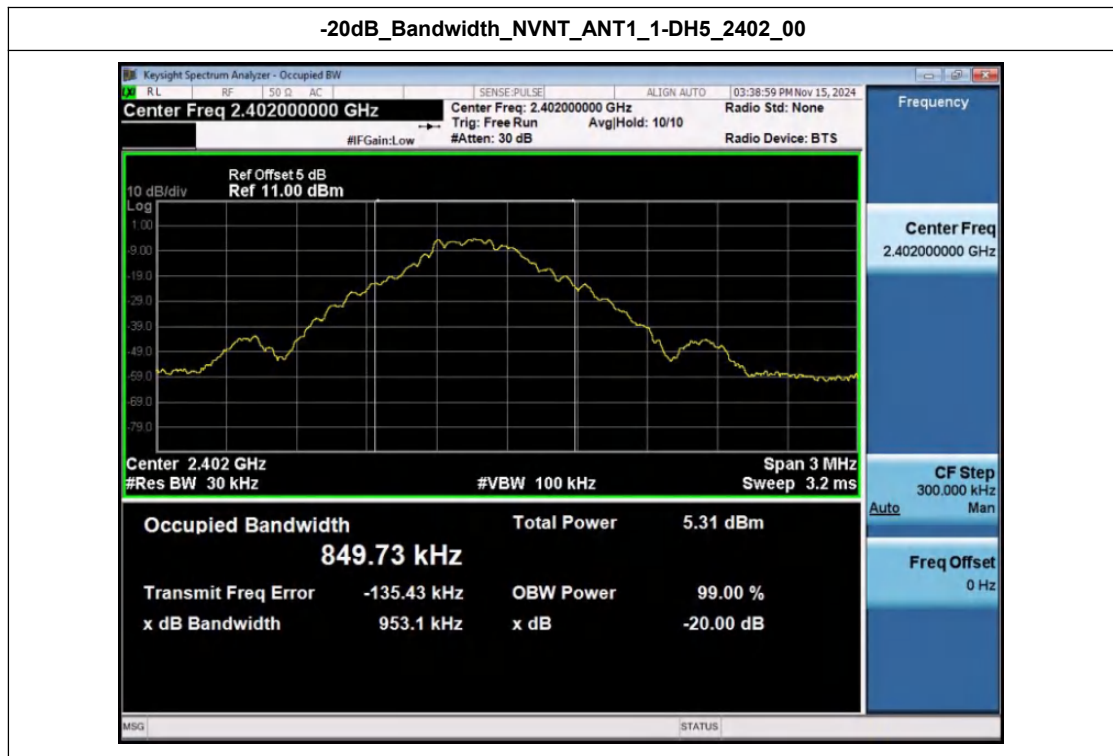
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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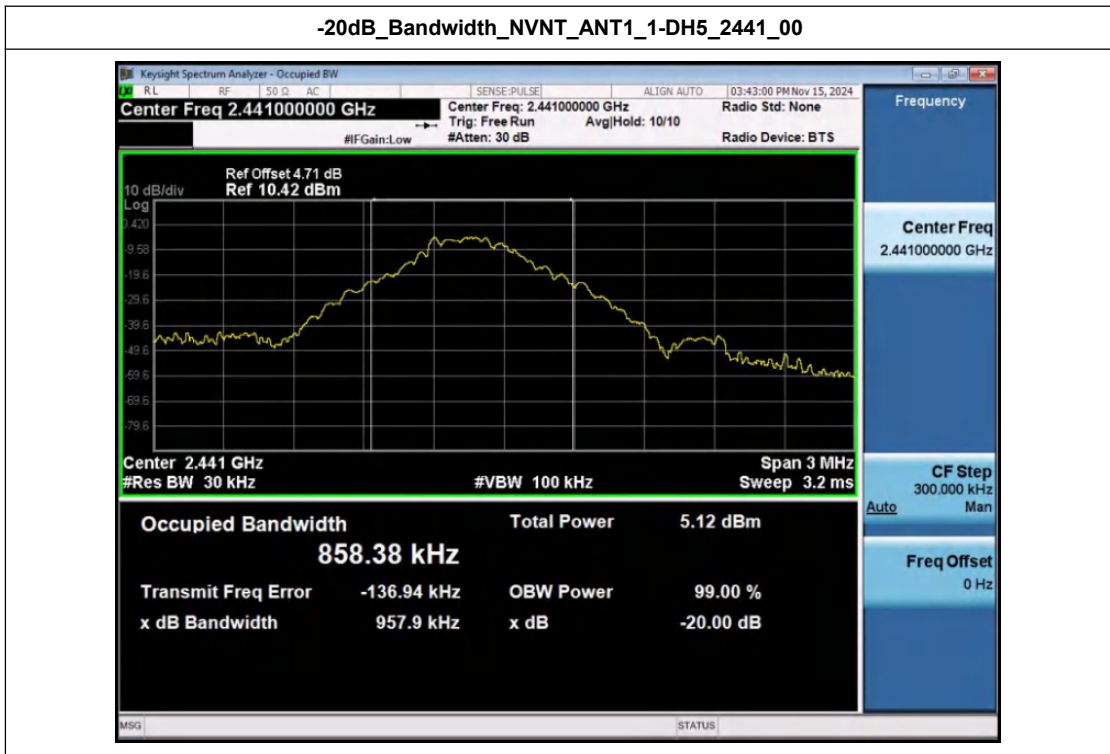


Appendix B: -20dB Bandwidth

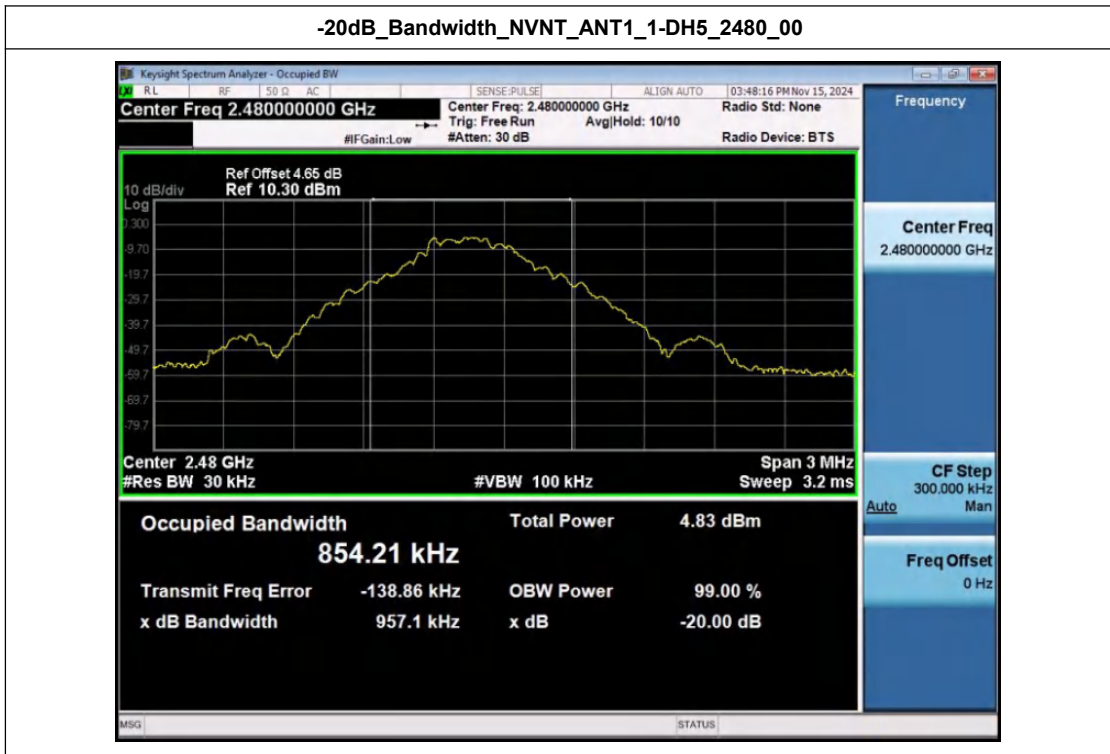
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.953	No
NVNT	ANT1	1-DH5	2441.00	0.958	No
NVNT	ANT1	1-DH5	2480.00	0.957	No
NVNT	ANT1	2-DH5	2402.00	1.283	Yes
NVNT	ANT1	2-DH5	2441.00	1.283	Yes
NVNT	ANT1	2-DH5	2480.00	1.283	Yes
NVNT	ANT1	3-DH5	2402.00	1.299	Yes
NVNT	ANT1	3-DH5	2441.00	1.299	Yes
NVNT	ANT1	3-DH5	2480.00	1.303	Yes



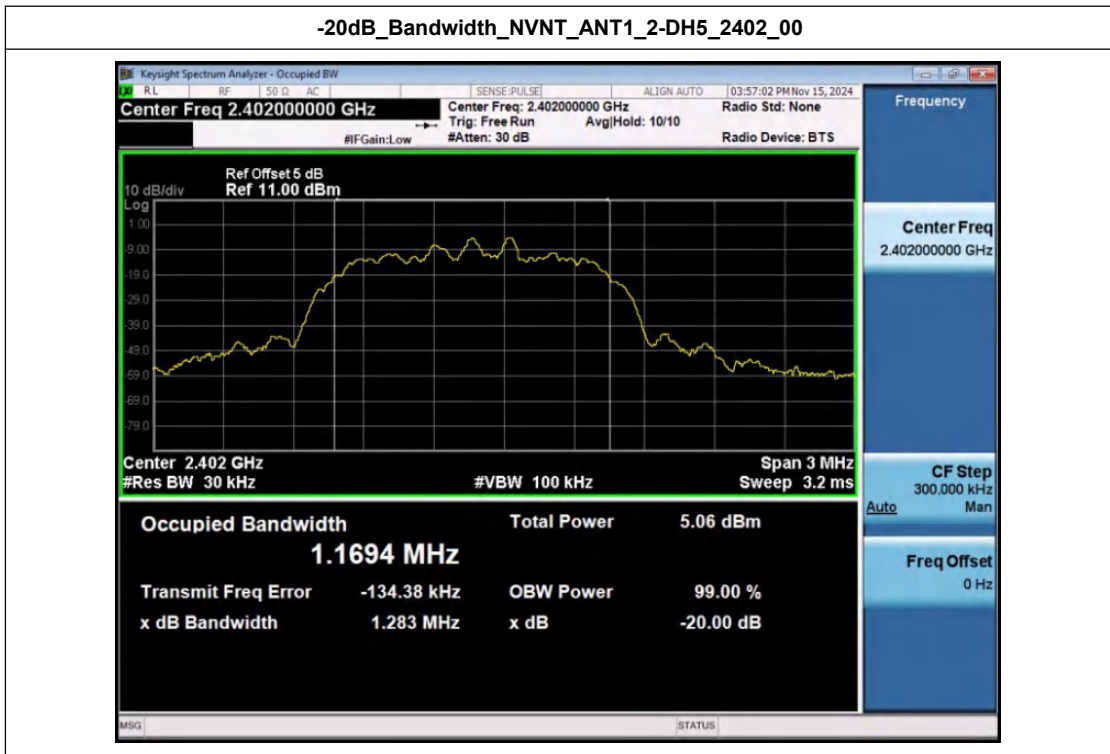
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



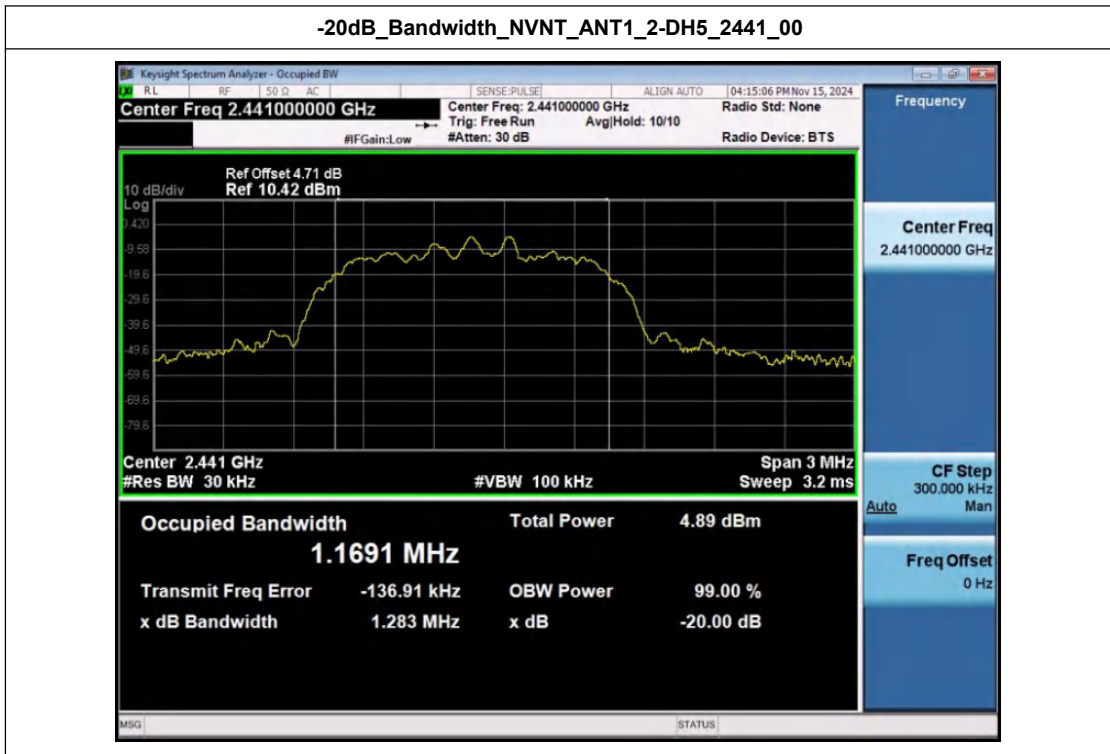
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00



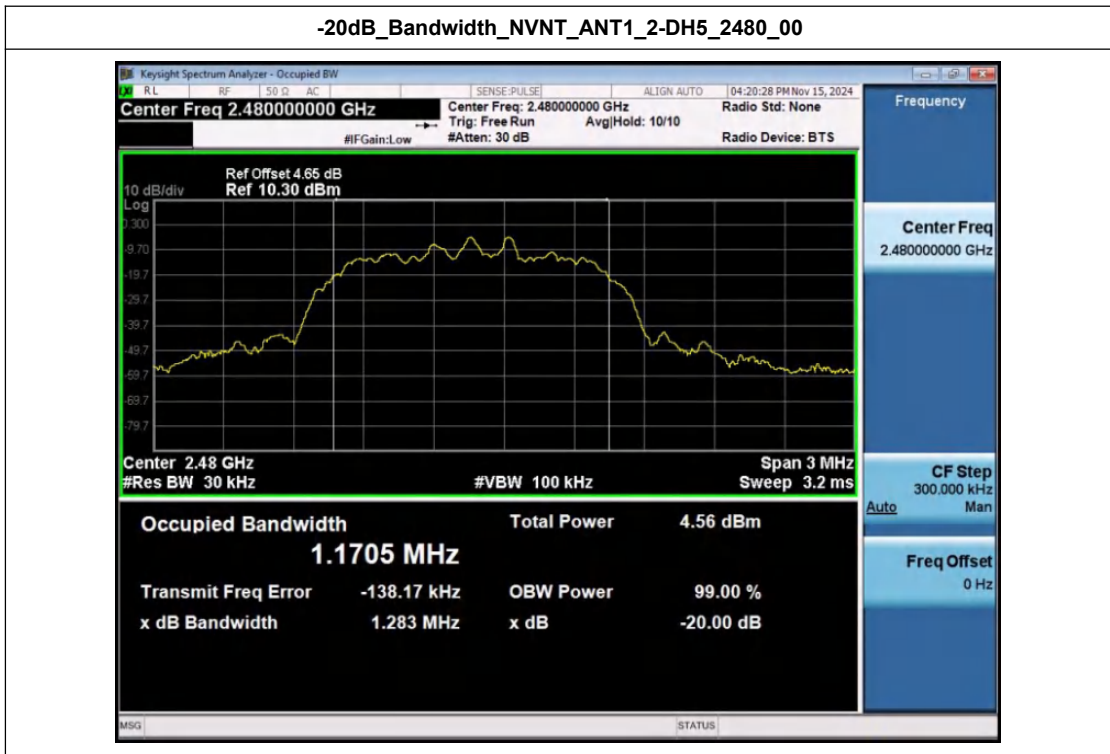
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



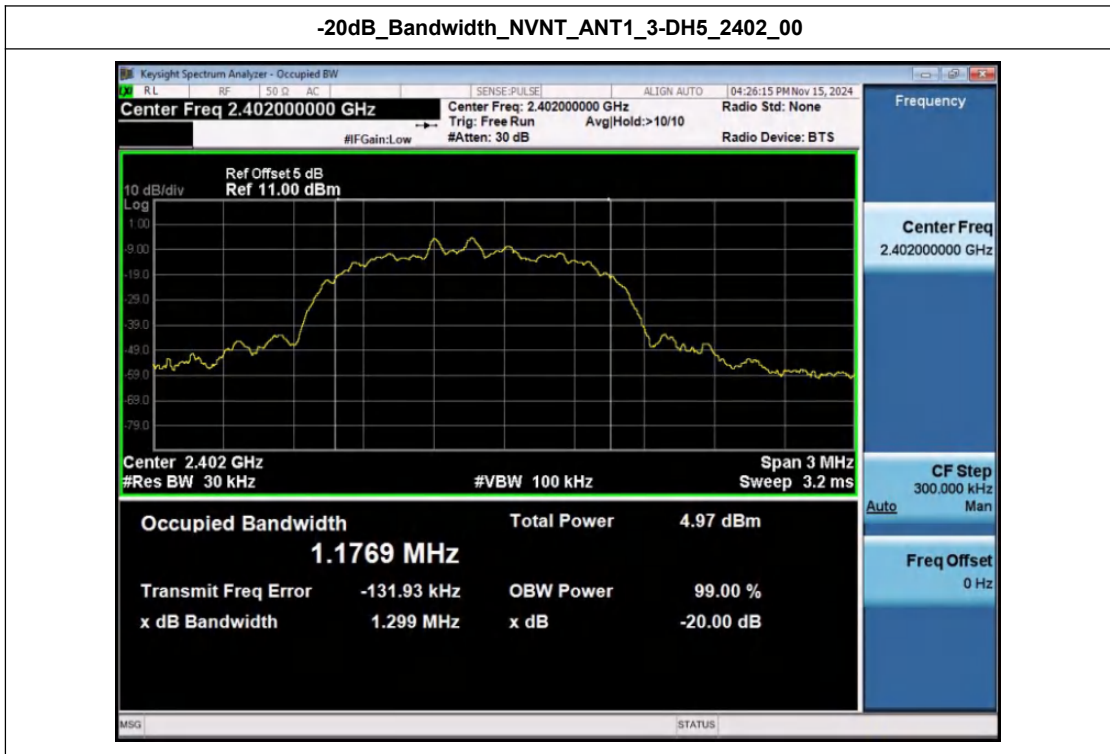
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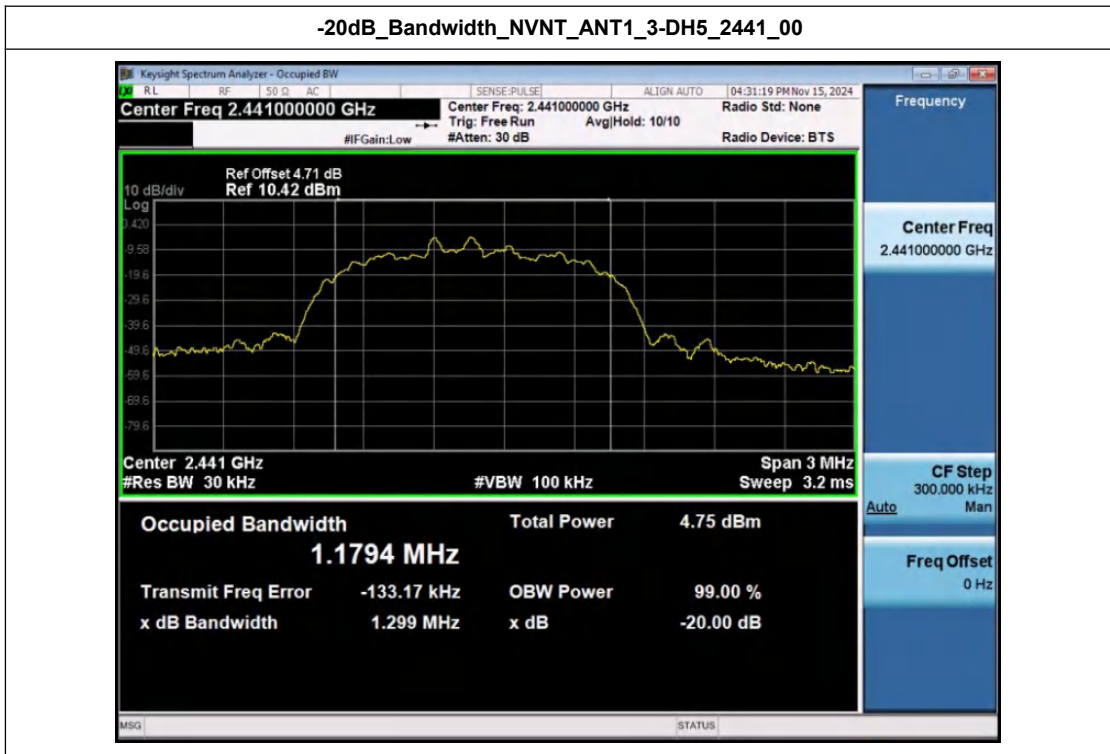
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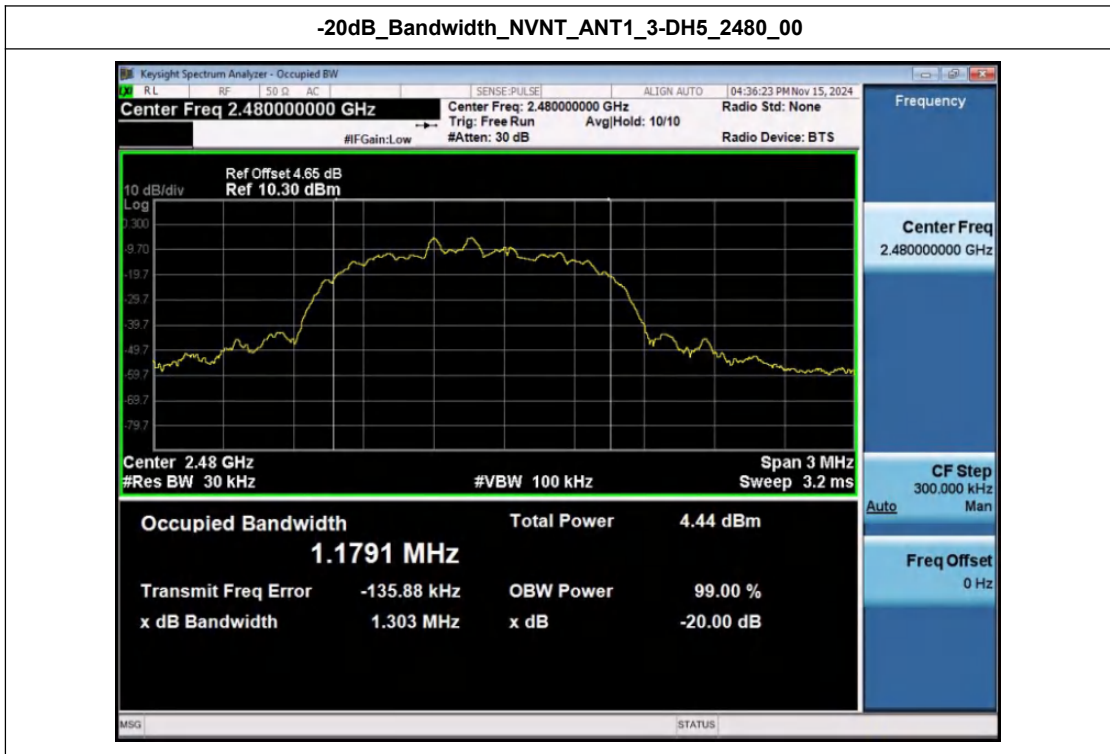
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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00

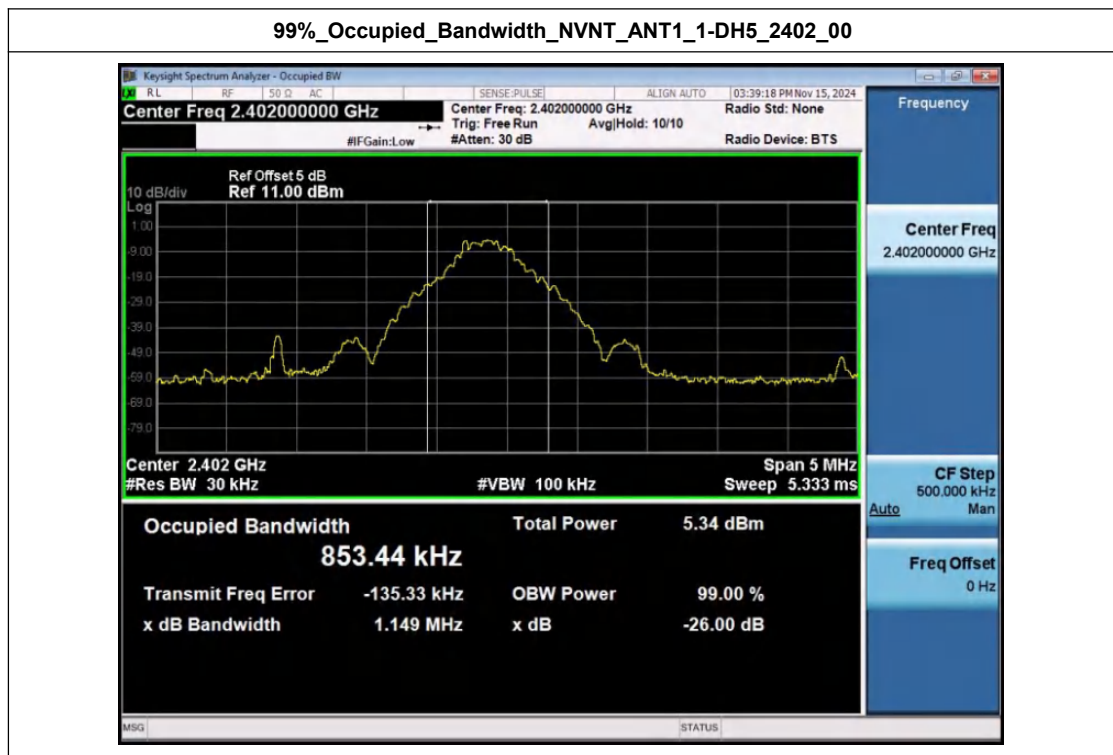


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00

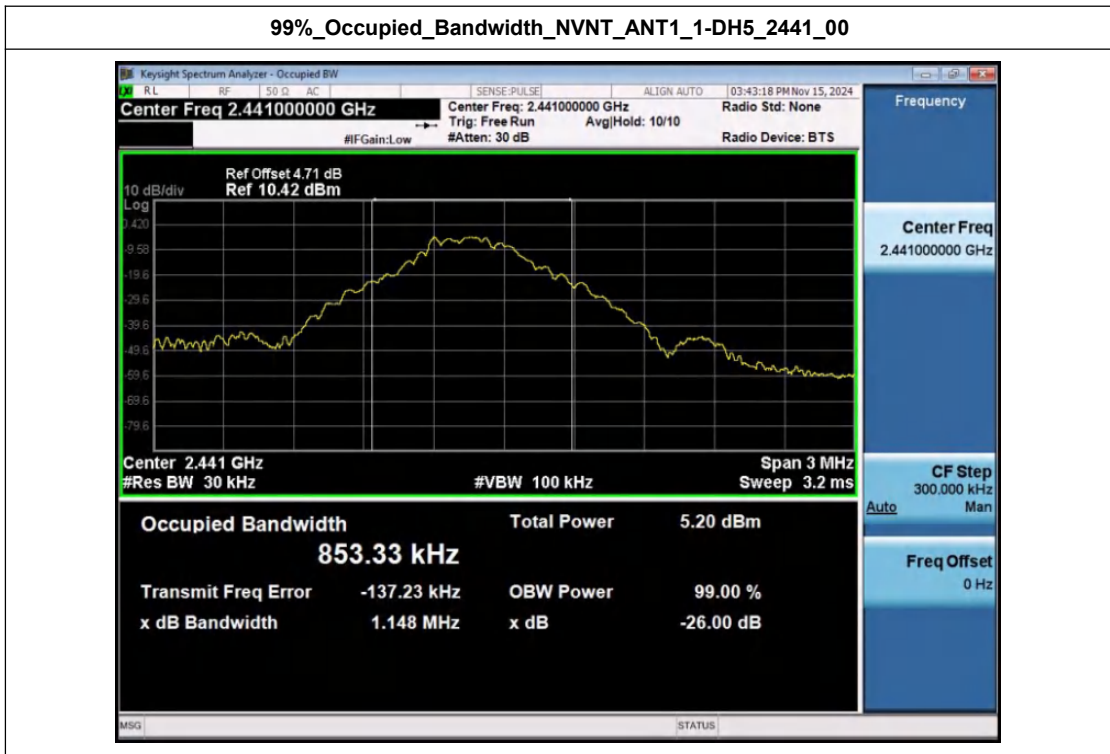


Appendix C: 99% Occupied Bandwidth

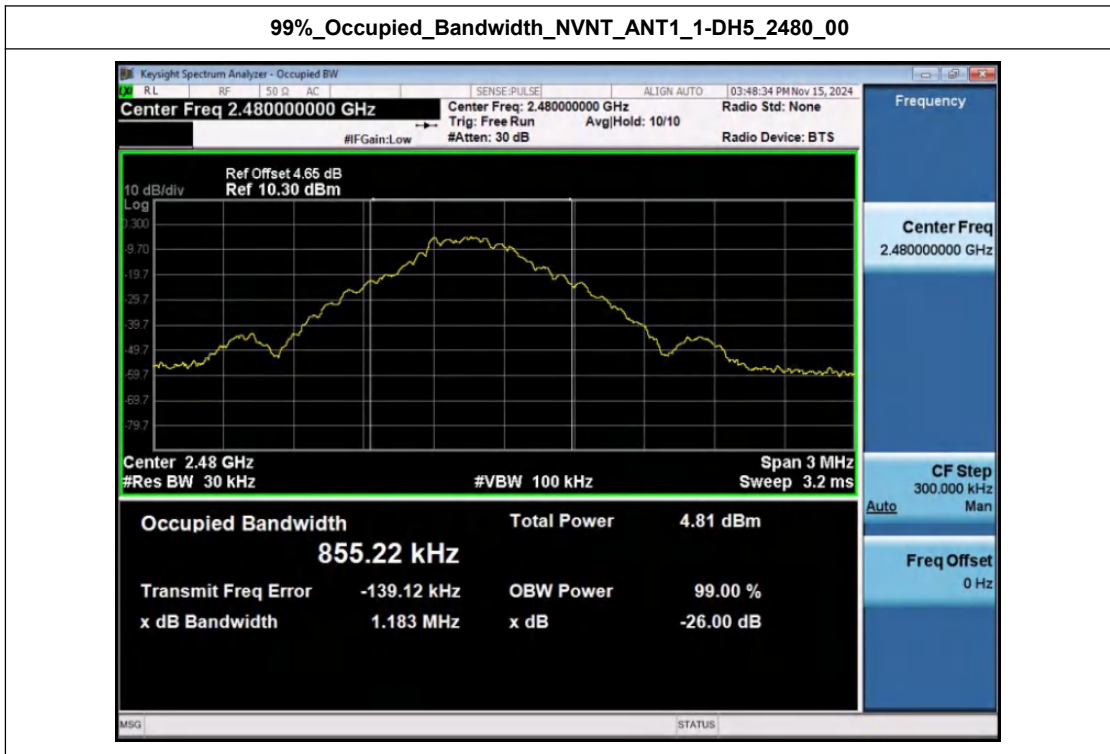
Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.853
NVNT	ANT1	1-DH5	2441.00	0.853
NVNT	ANT1	1-DH5	2480.00	0.855
NVNT	ANT1	2-DH5	2402.00	1.169
NVNT	ANT1	2-DH5	2441.00	1.169
NVNT	ANT1	2-DH5	2480.00	1.173
NVNT	ANT1	3-DH5	2402.00	1.178
NVNT	ANT1	3-DH5	2441.00	1.178
NVNT	ANT1	3-DH5	2480.00	1.180



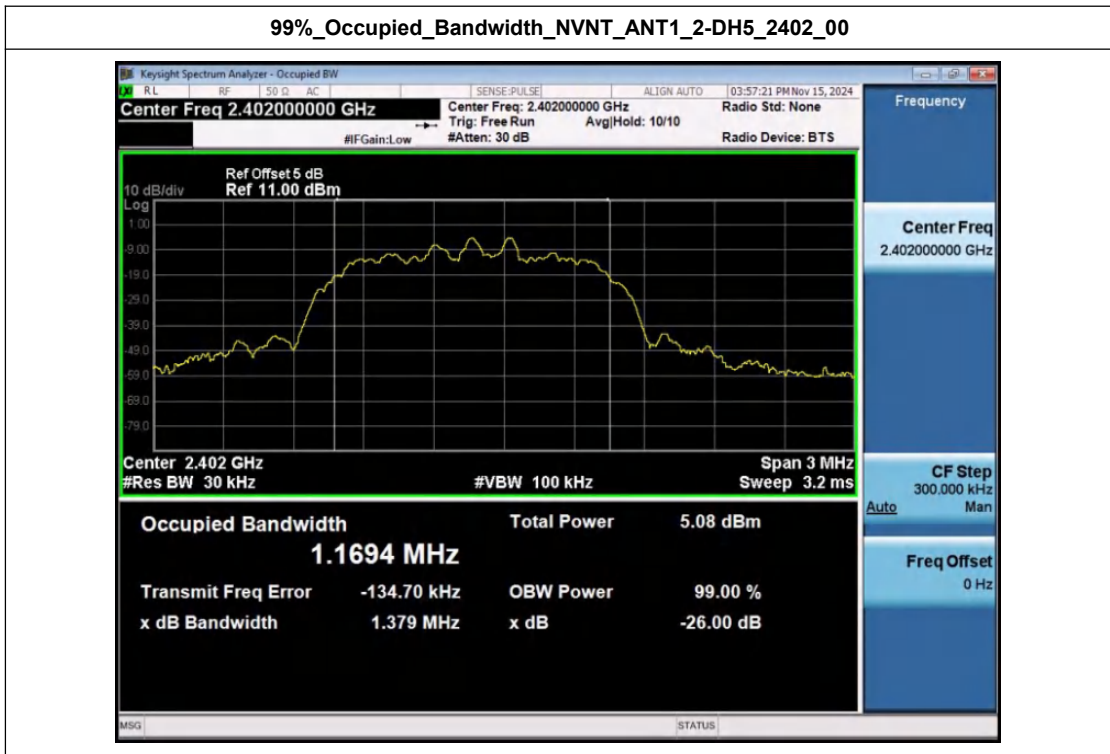
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



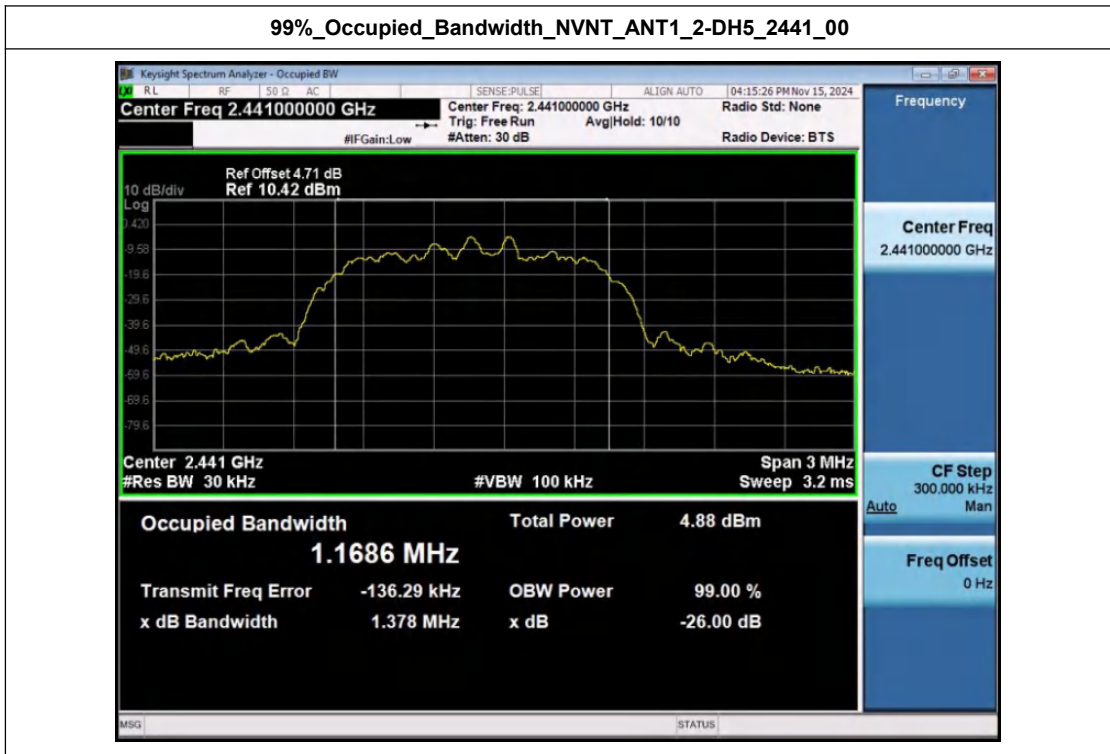
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



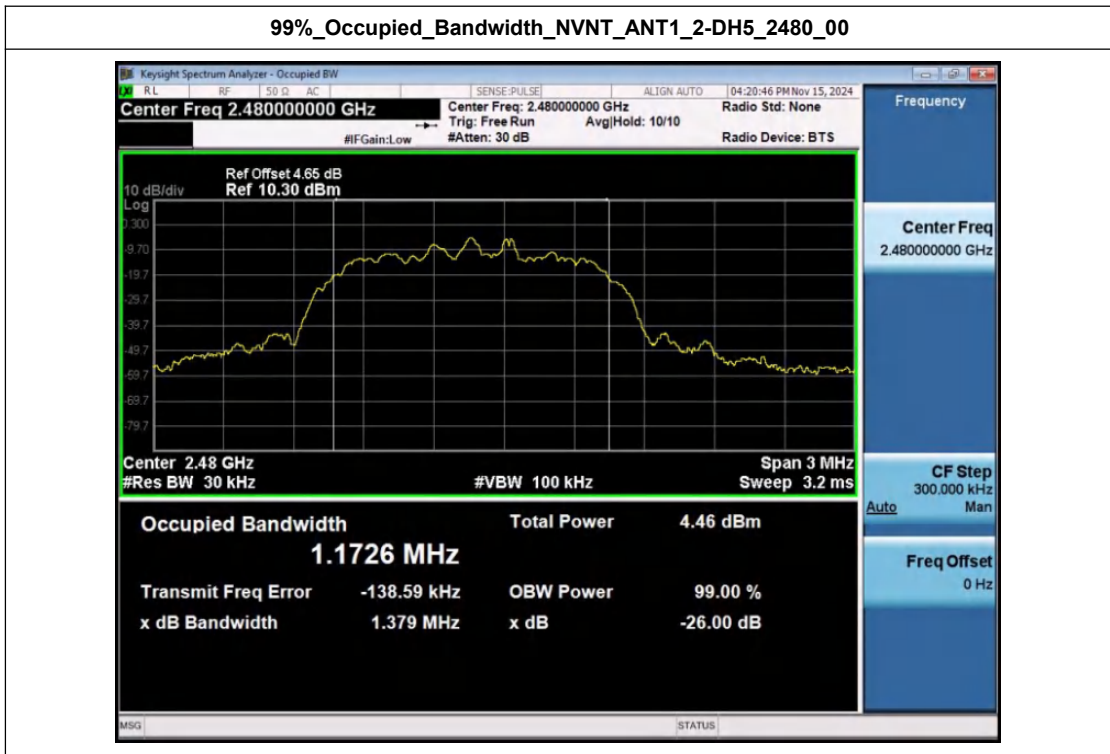
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



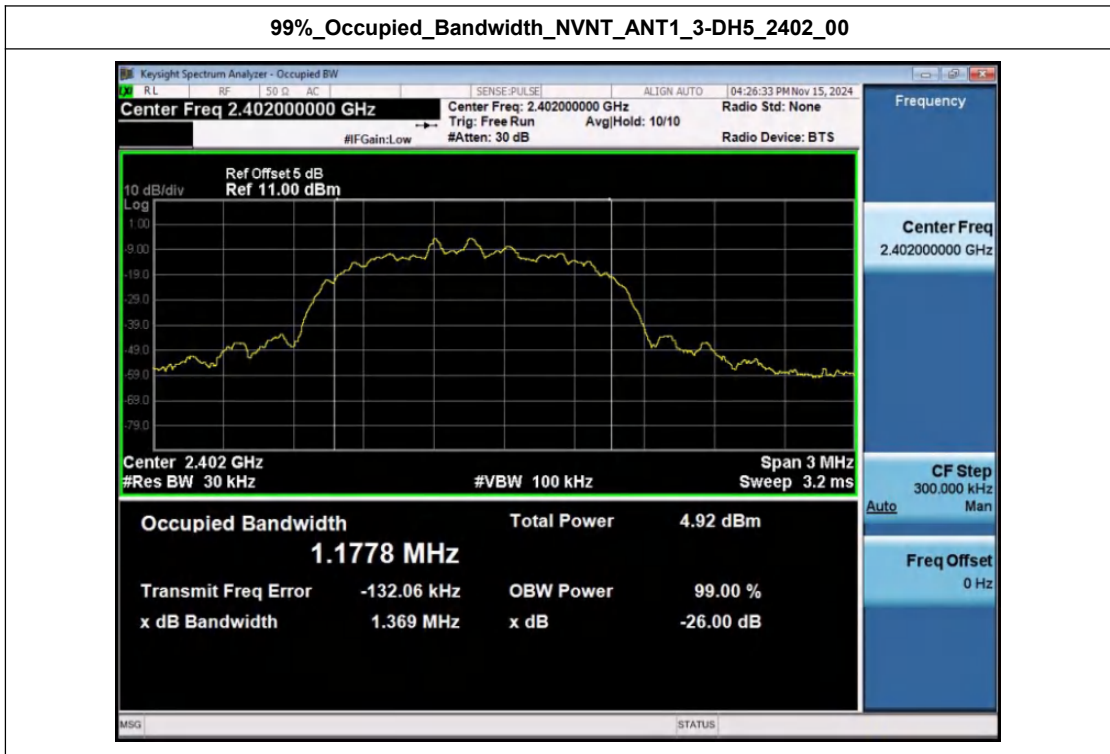
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00



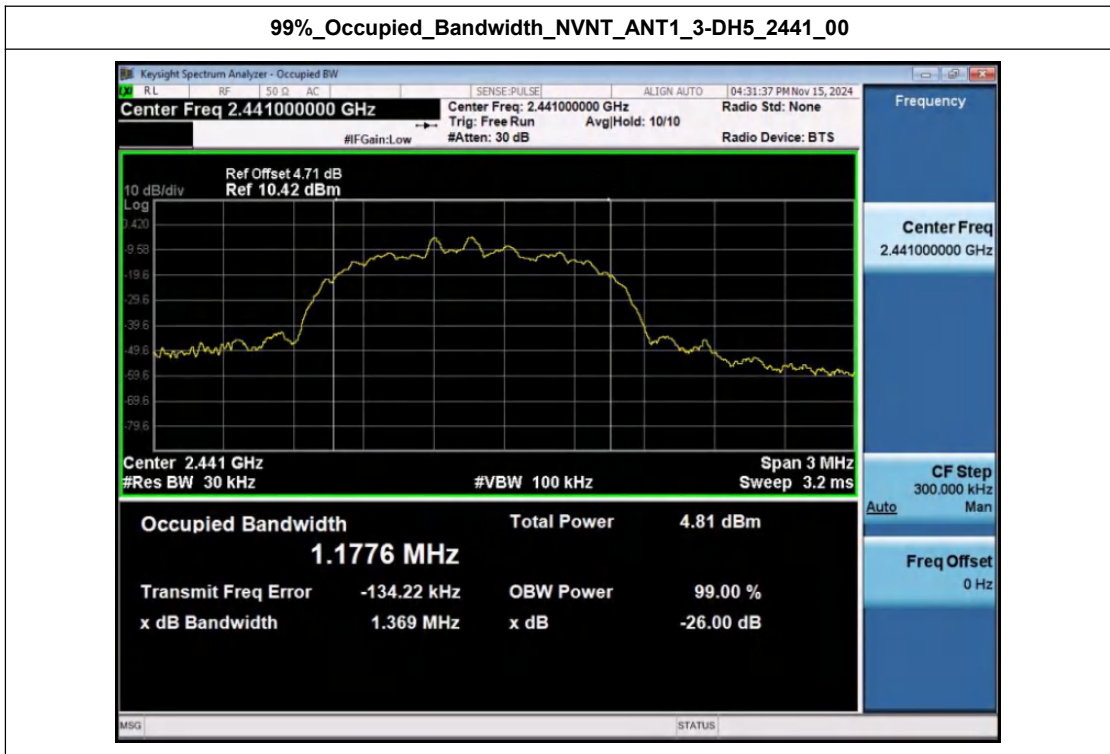
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



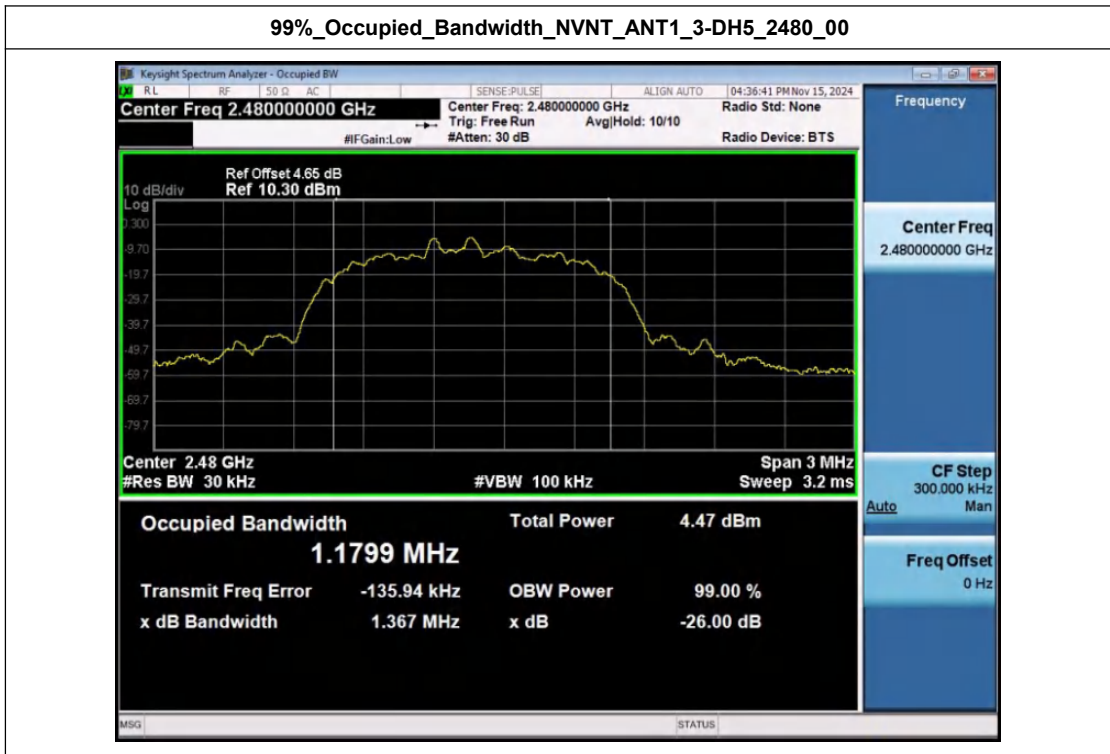
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00

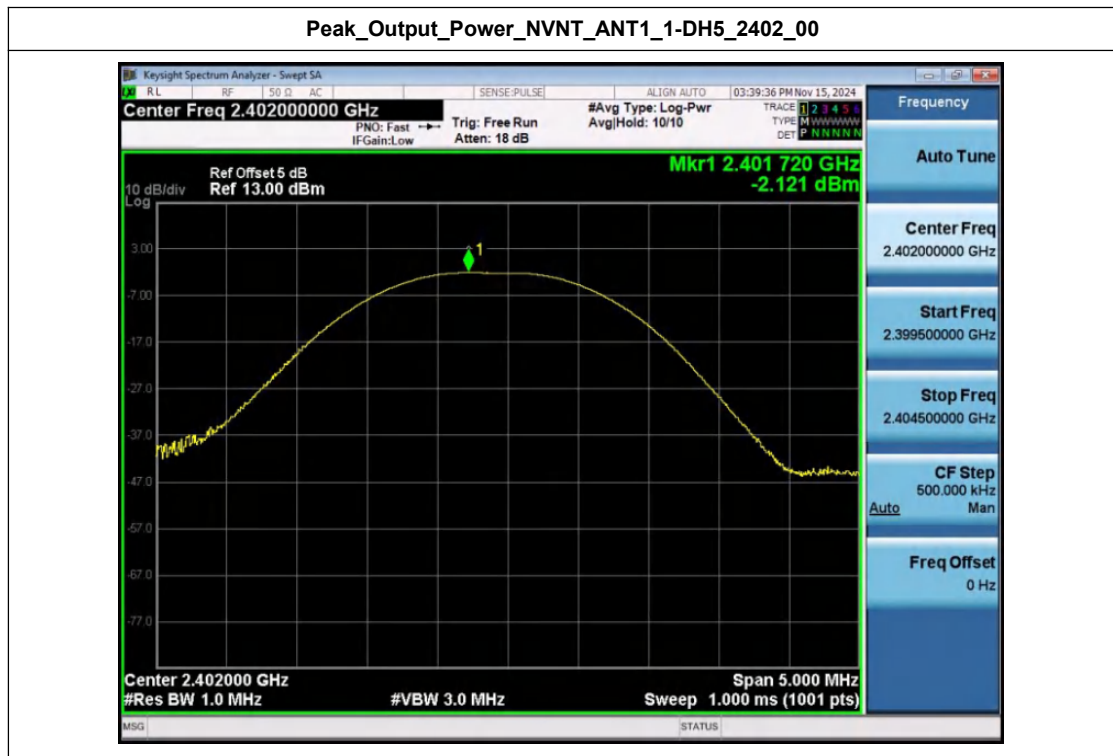


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00

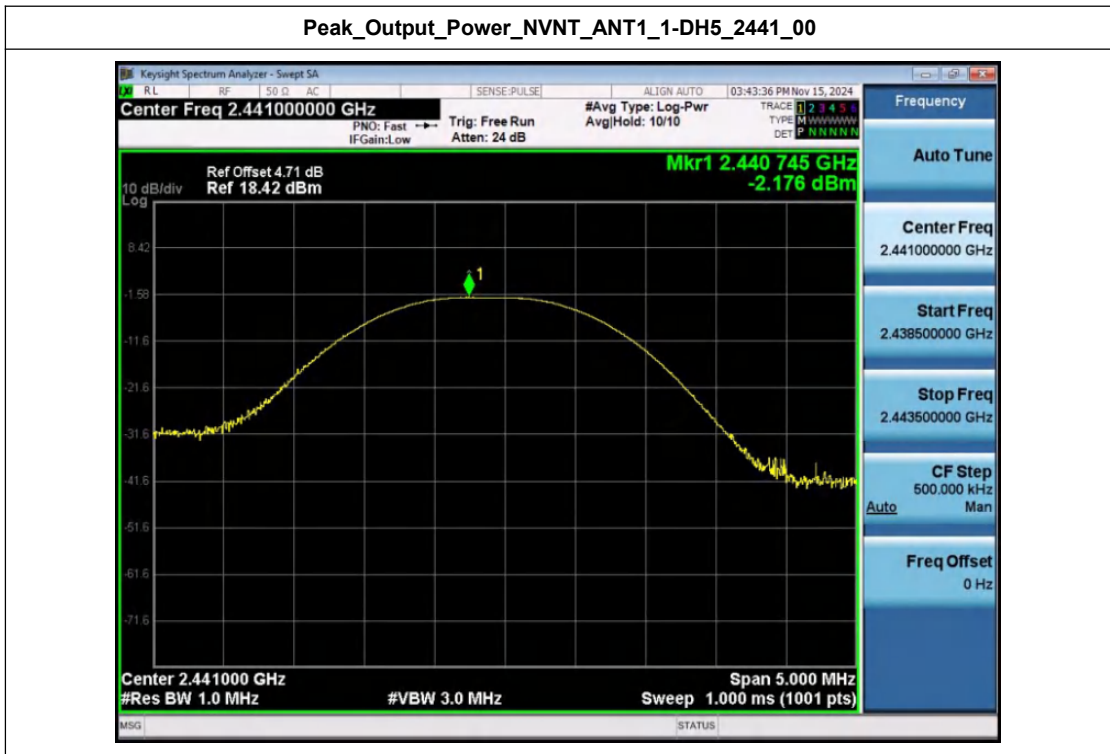


Appendix D: Peak Output Power

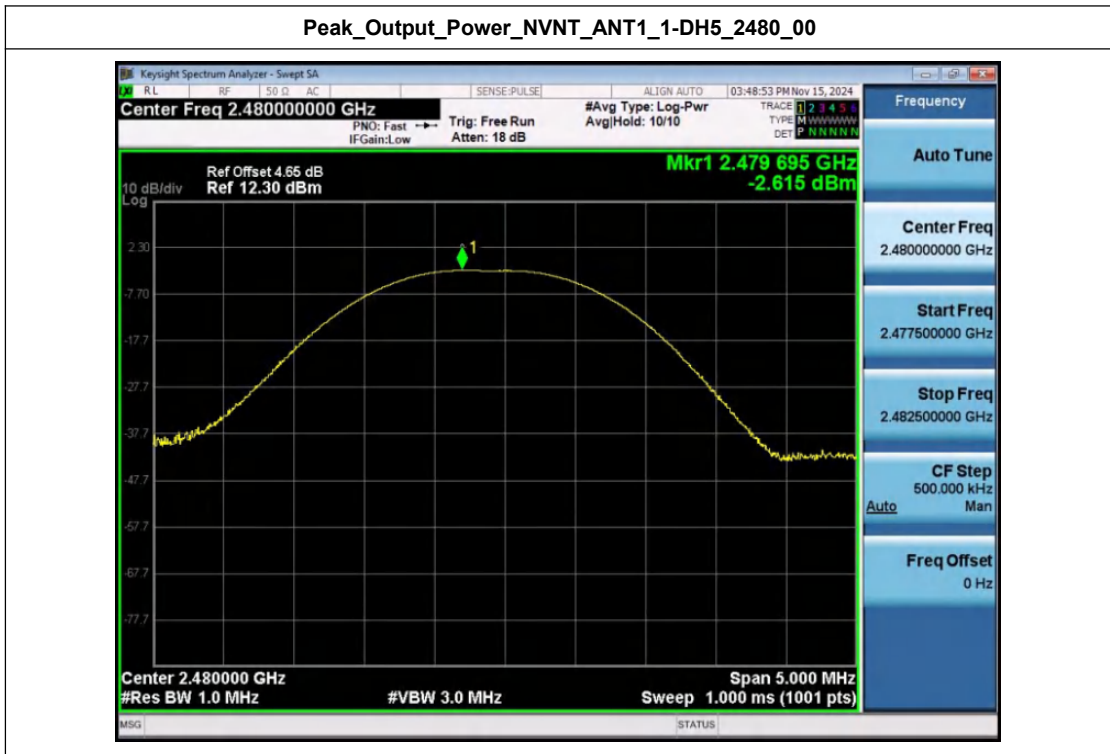
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	-2.12	0.61	1000	Pass
NVNT	ANT1	1-DH5	2441.00	-2.18	0.61	1000	Pass
NVNT	ANT1	1-DH5	2480.00	-2.62	0.55	1000	Pass
NVNT	ANT1	2-DH5	2402.00	-1.11	0.77	125	Pass
NVNT	ANT1	2-DH5	2441.00	-1.29	0.74	125	Pass
NVNT	ANT1	2-DH5	2480.00	-1.68	0.68	125	Pass
NVNT	ANT1	3-DH5	2402.00	-0.71	0.85	125	Pass
NVNT	ANT1	3-DH5	2441.00	-0.87	0.82	125	Pass
NVNT	ANT1	3-DH5	2480.00	-1.25	0.75	125	Pass



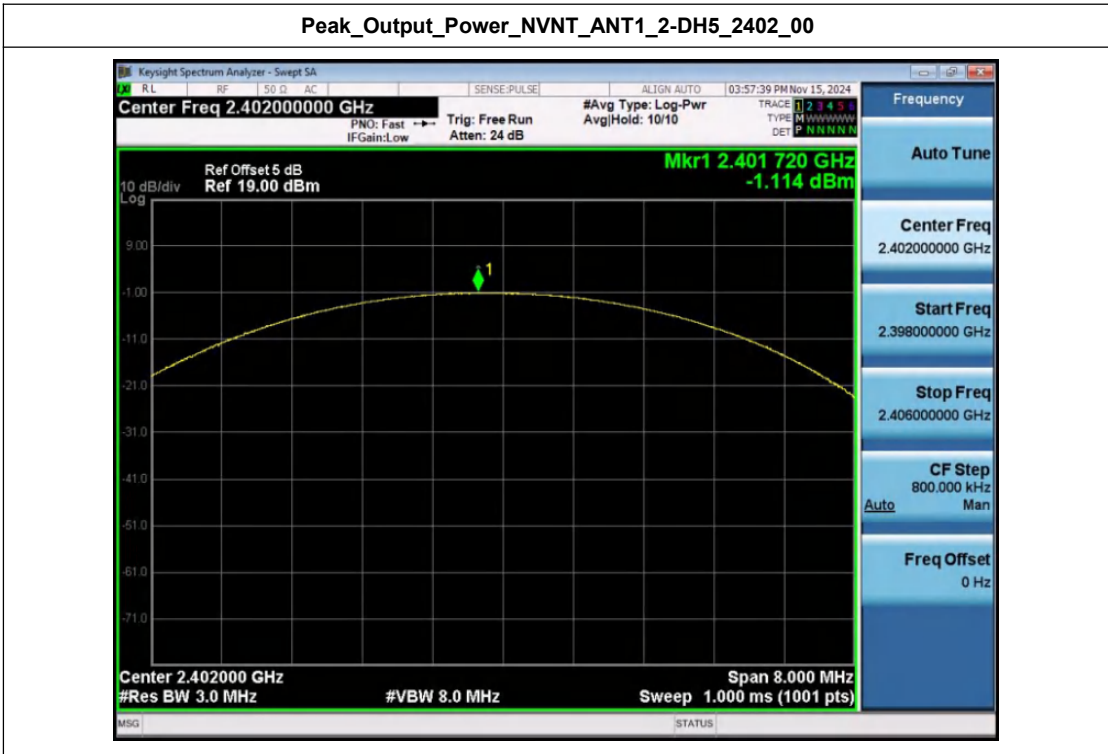
Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



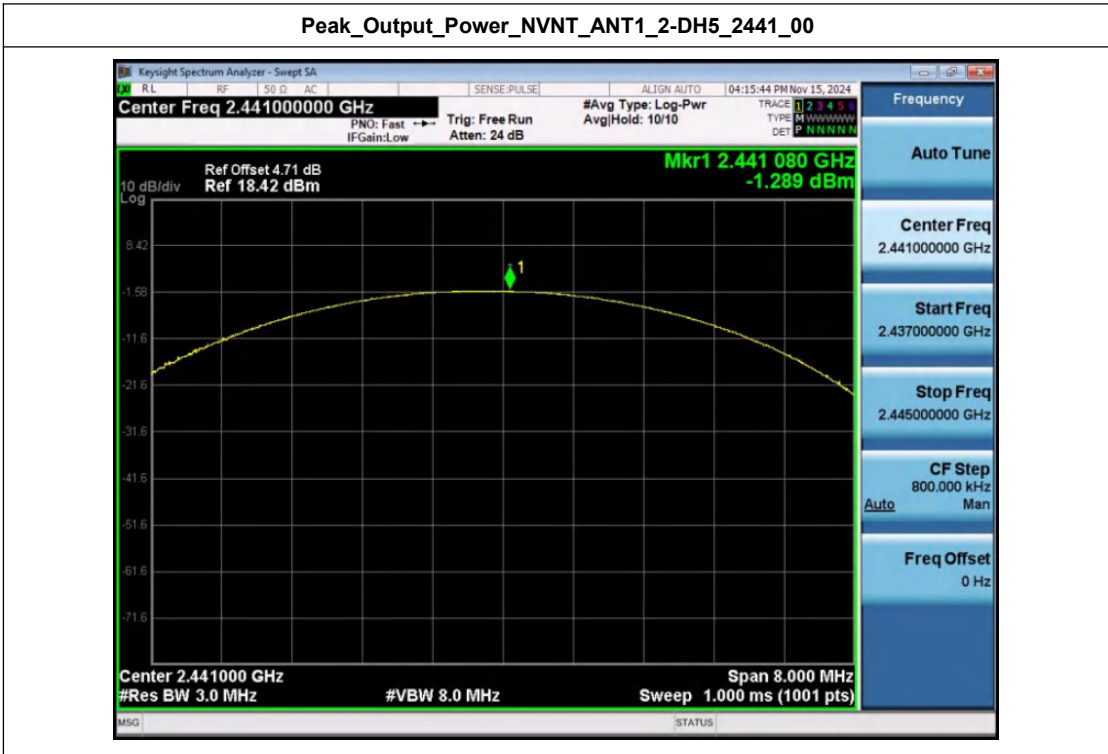
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



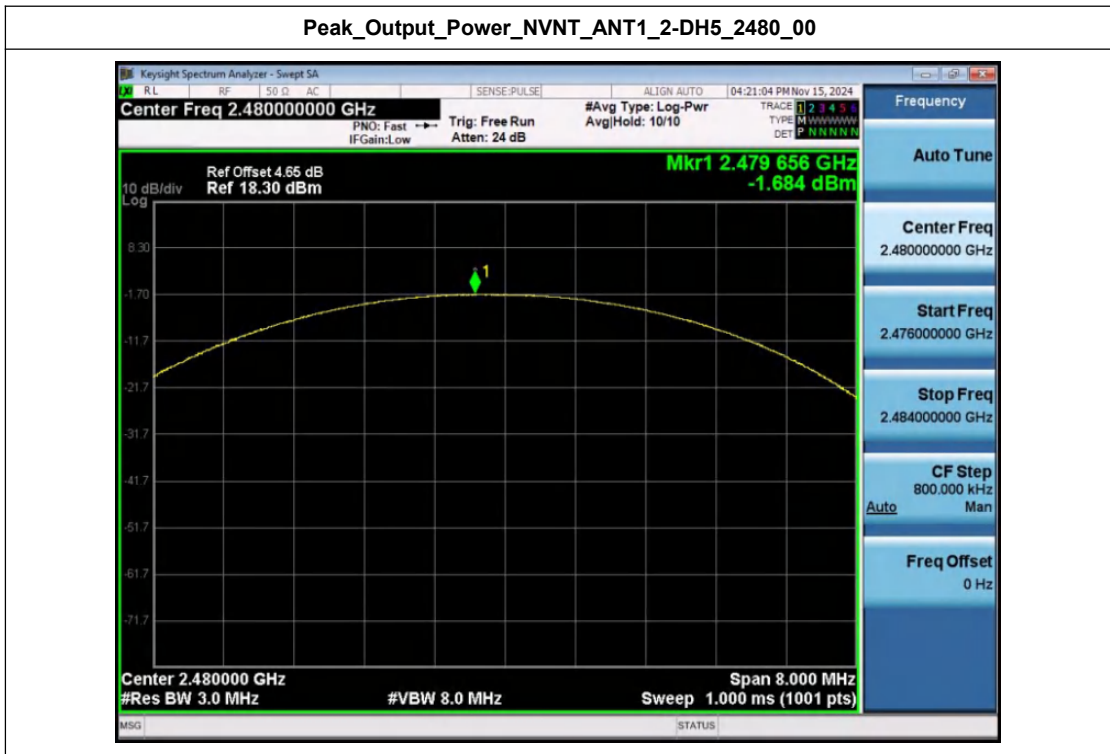
Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



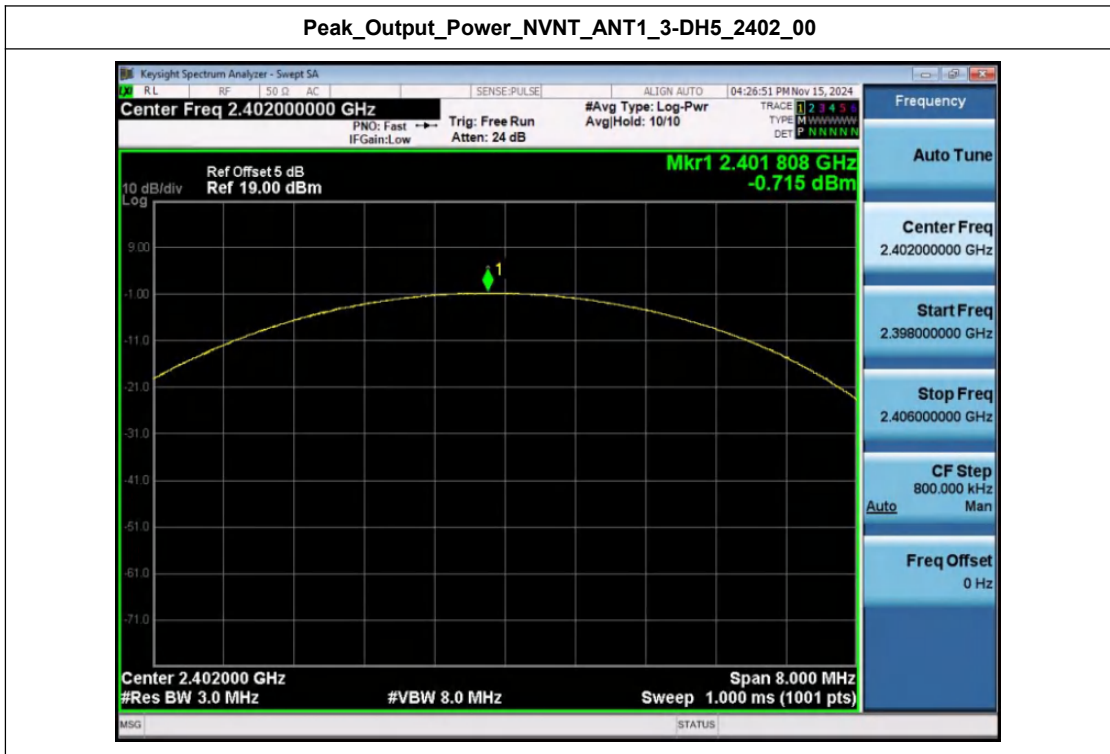
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



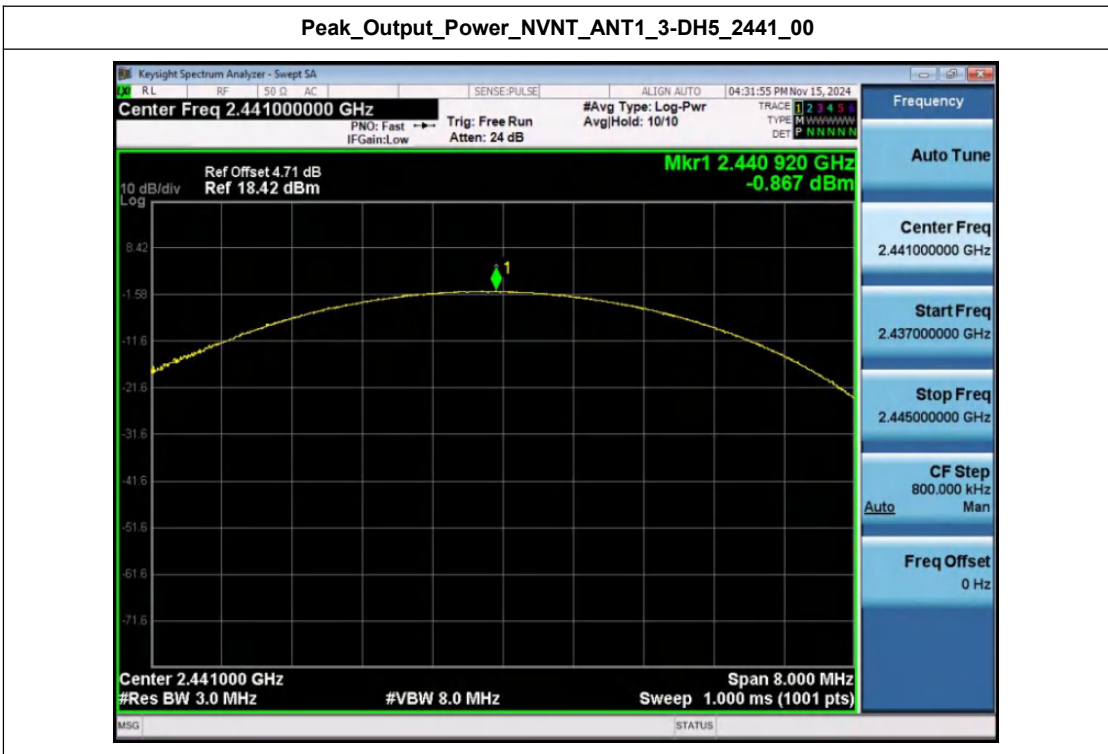
Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



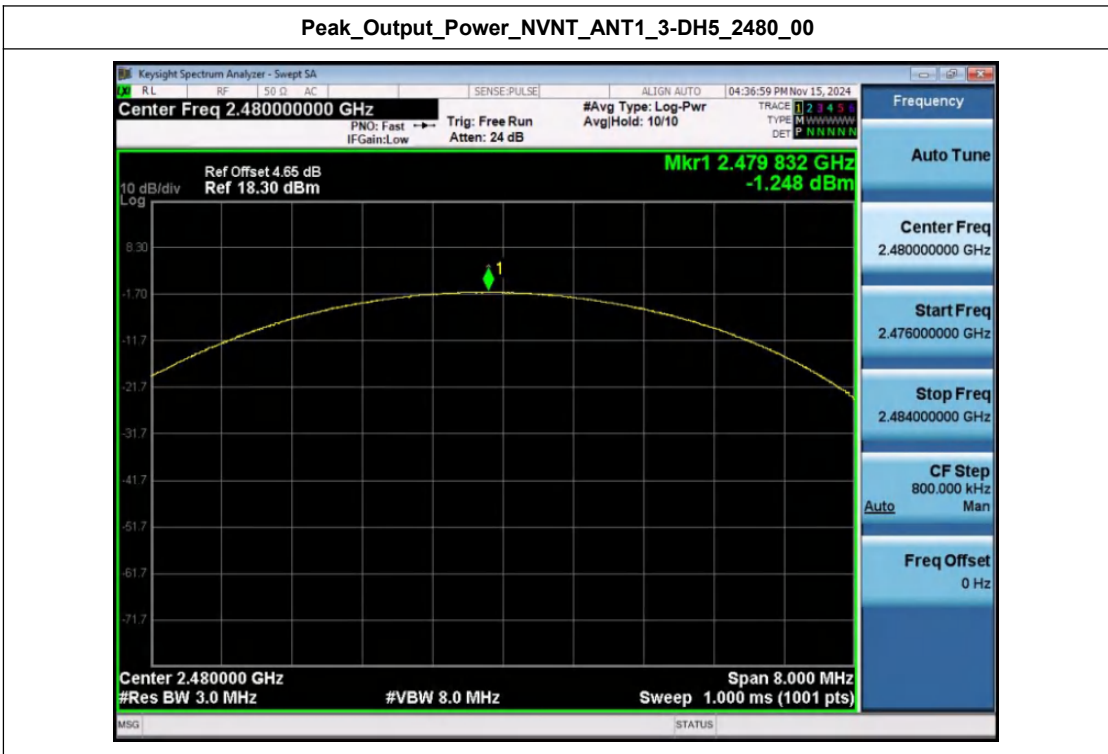
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



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	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-47.259	-22.175	Pass
NVNT	ANT1	1-DH5	2441.00	-47.106	-22.740	Pass
NVNT	ANT1	1-DH5	2480.00	-46.423	-22.640	Pass
NVNT	ANT1	2-DH5	2402.00	-47.269	-22.305	Pass
NVNT	ANT1	2-DH5	2441.00	-46.967	-22.470	Pass
NVNT	ANT1	2-DH5	2480.00	-43.721	-22.800	Pass
NVNT	ANT1	3-DH5	2402.00	-42.942	-22.227	Pass
NVNT	ANT1	3-DH5	2441.00	-47.068	-22.412	Pass
NVNT	ANT1	3-DH5	2480.00	-46.990	-22.723	Pass

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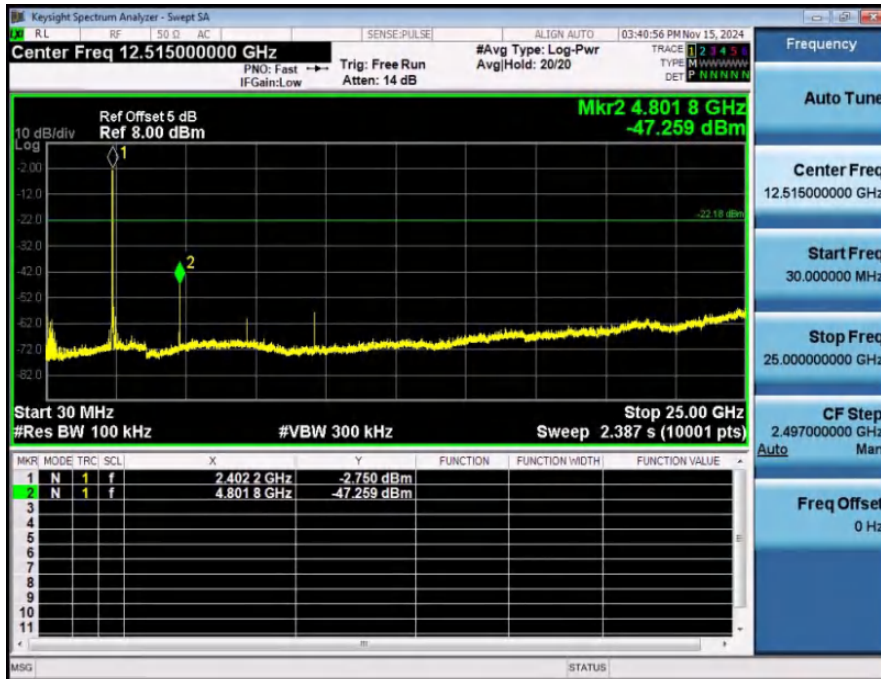
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1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



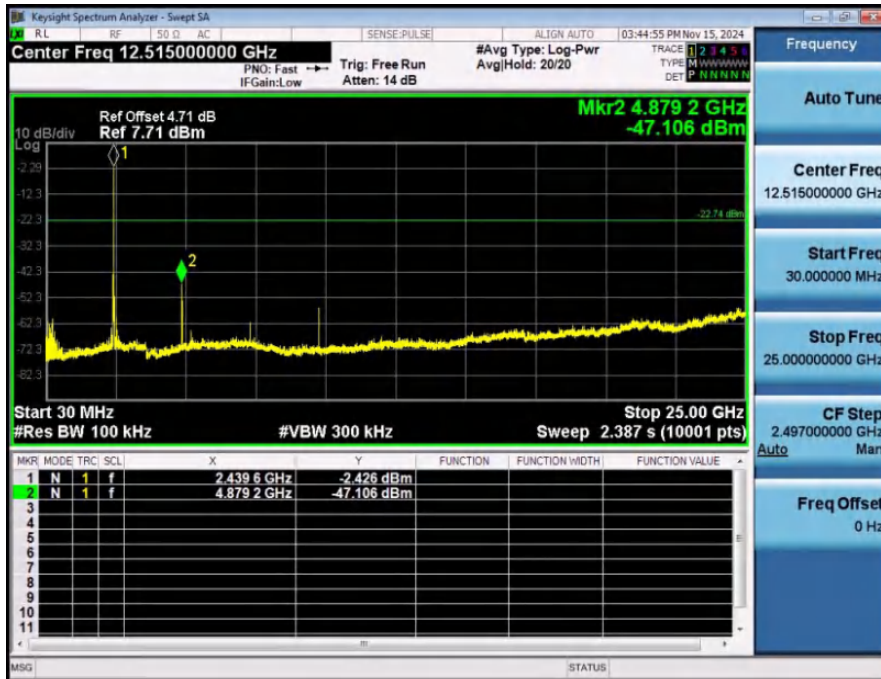
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



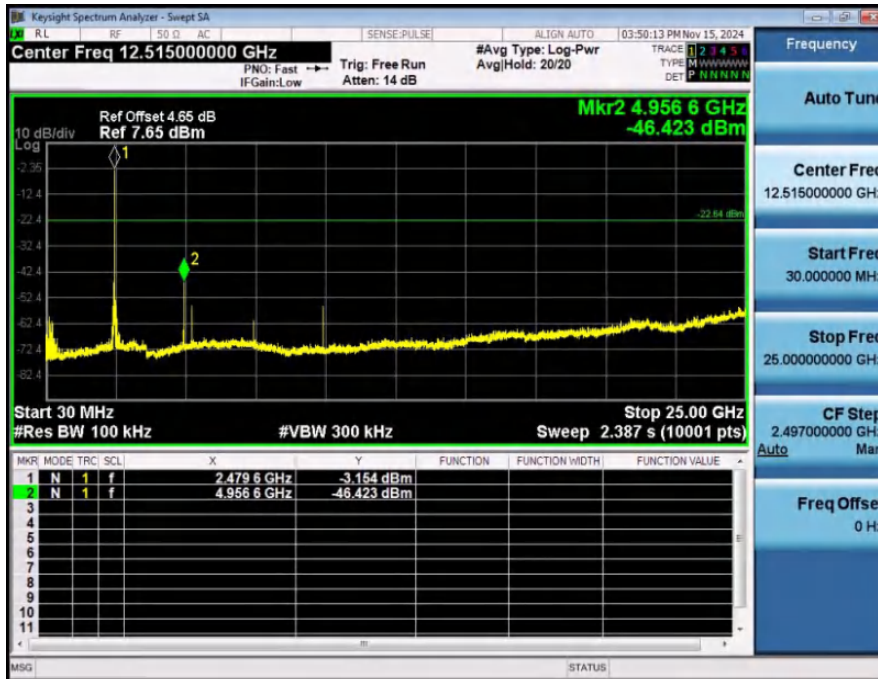
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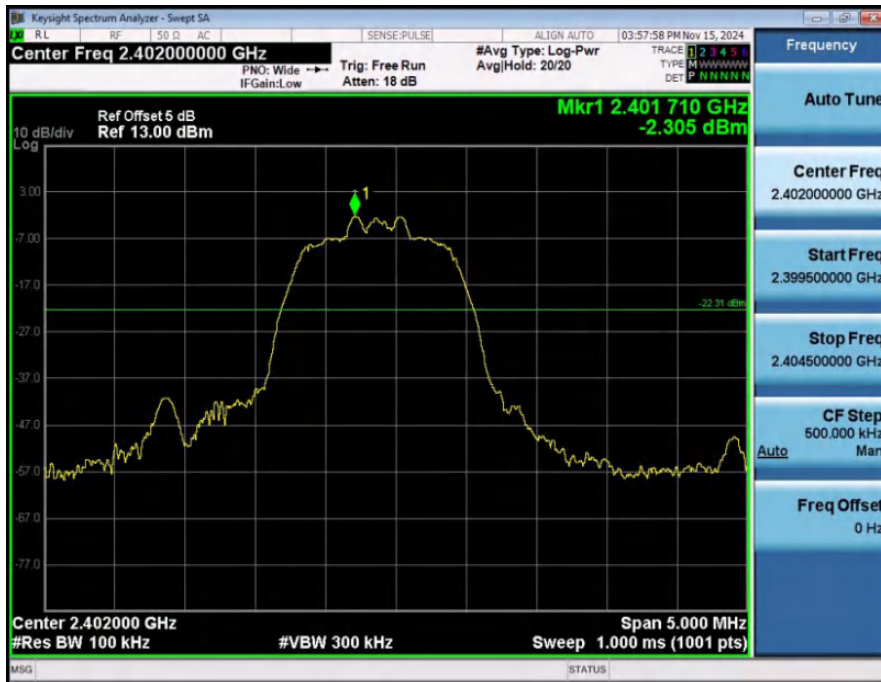
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



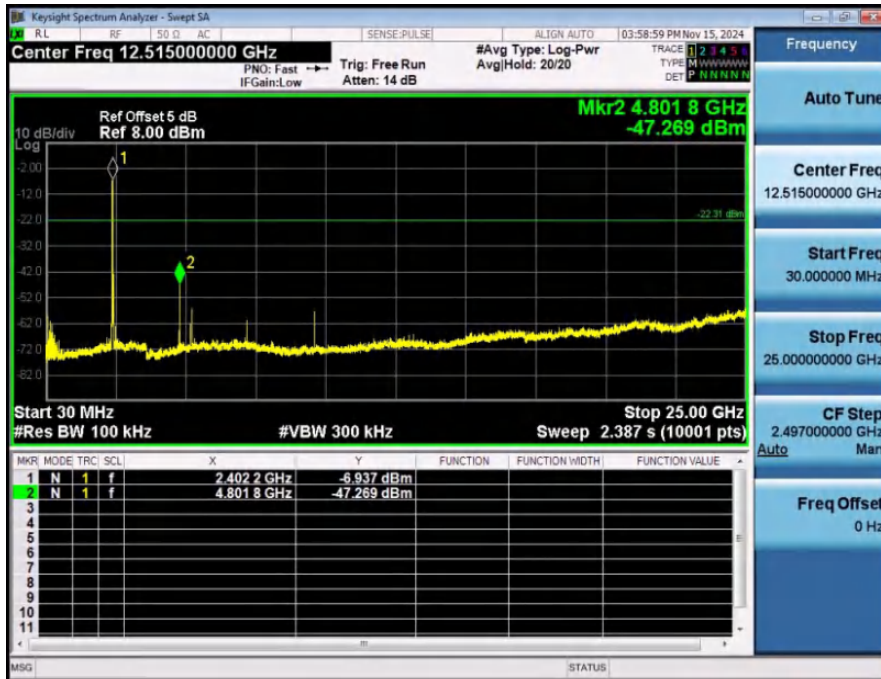
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



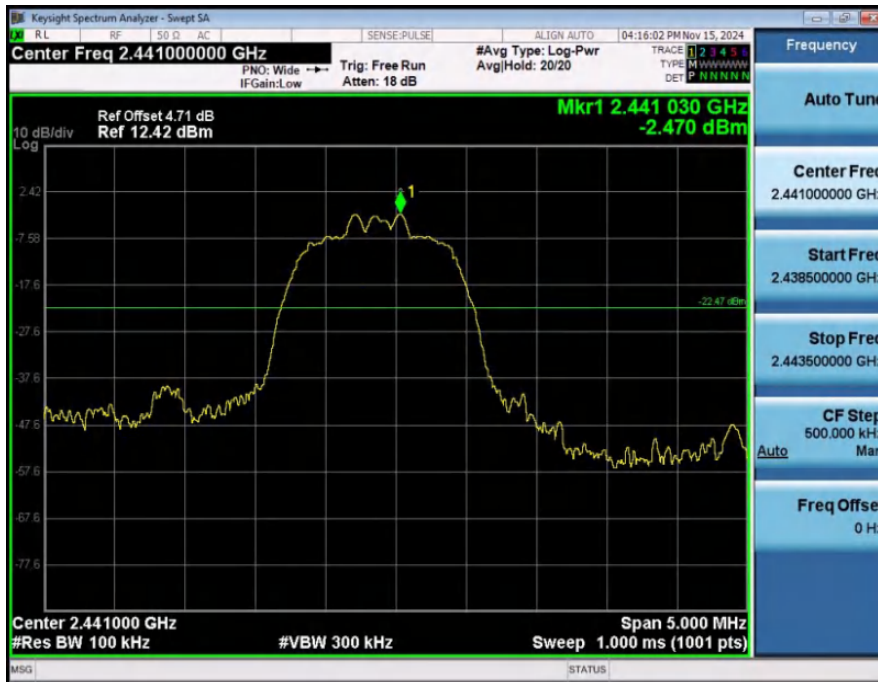
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



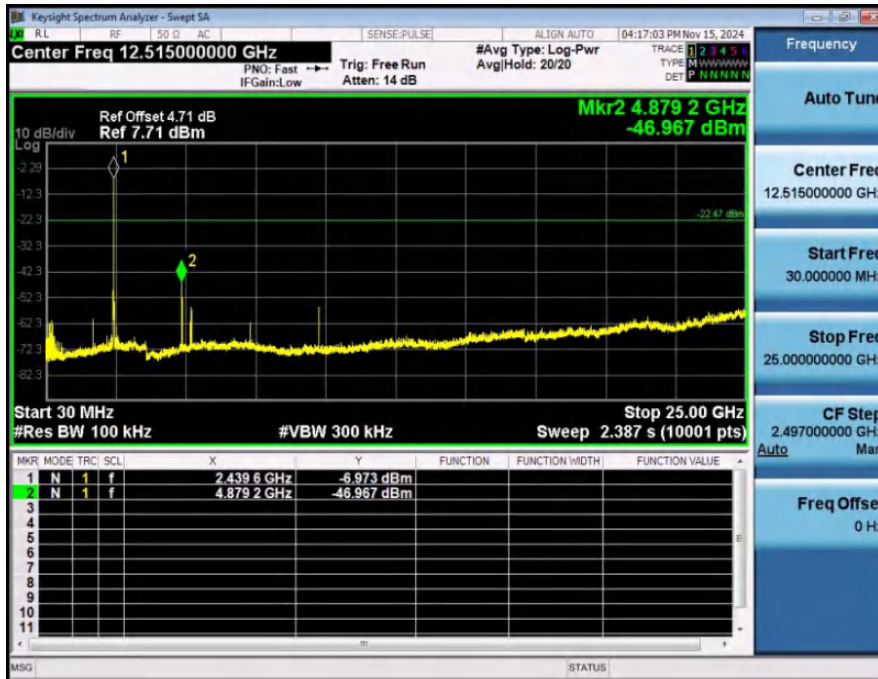
2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



1_Reference_Level_NVNT_ANT1_2-DH5_2441_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00



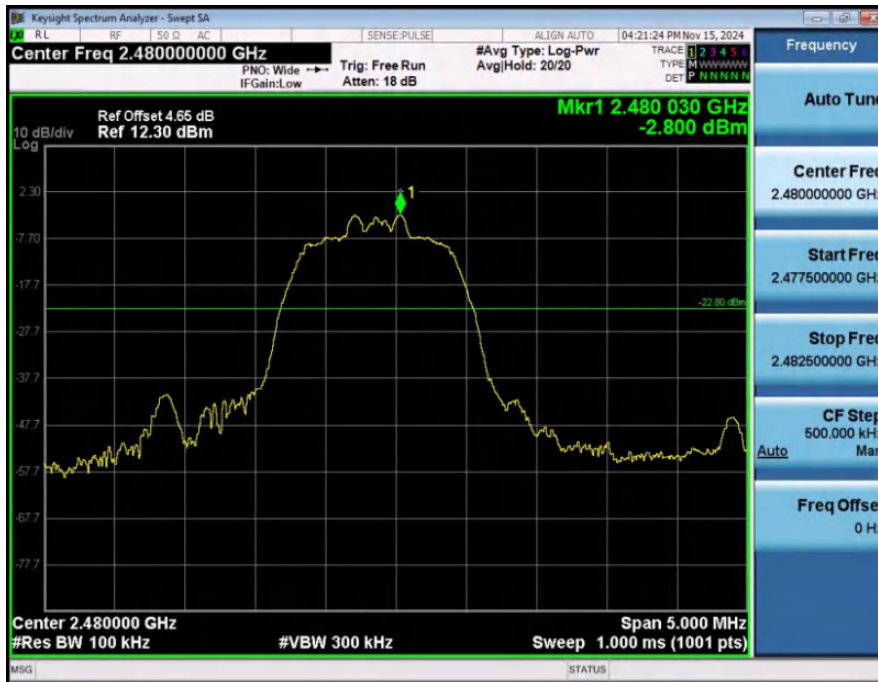
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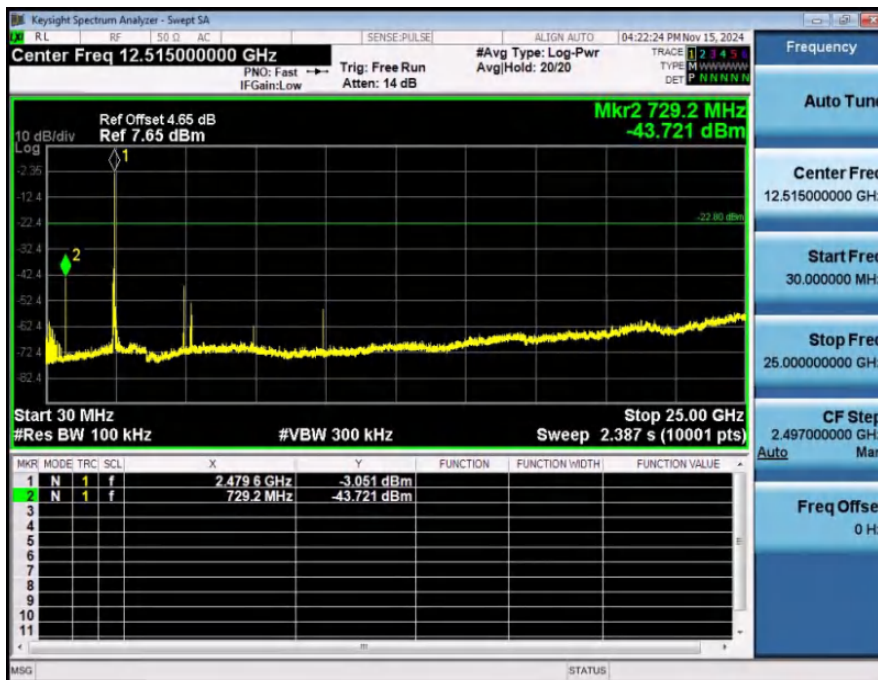
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1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



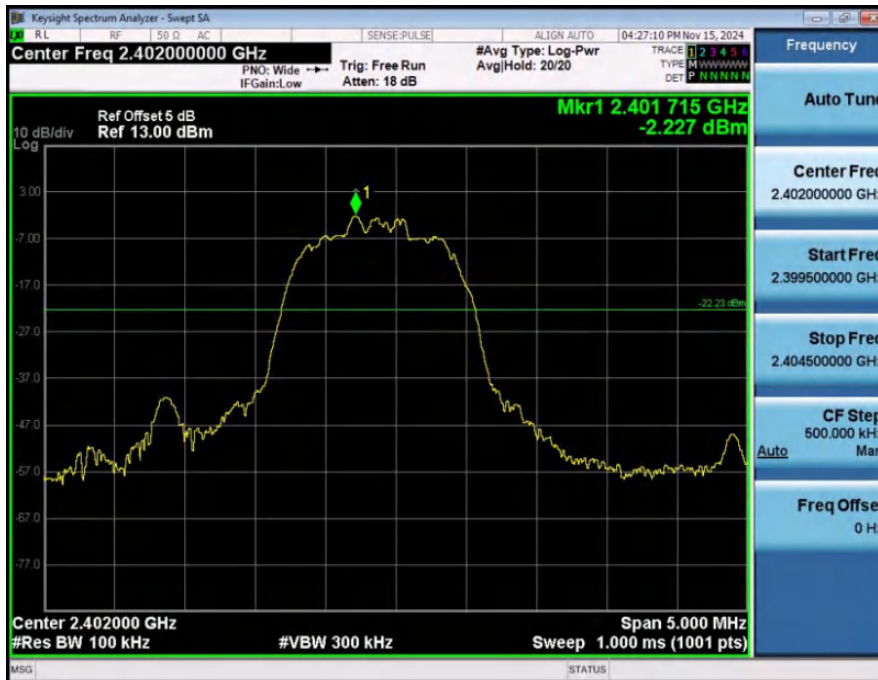
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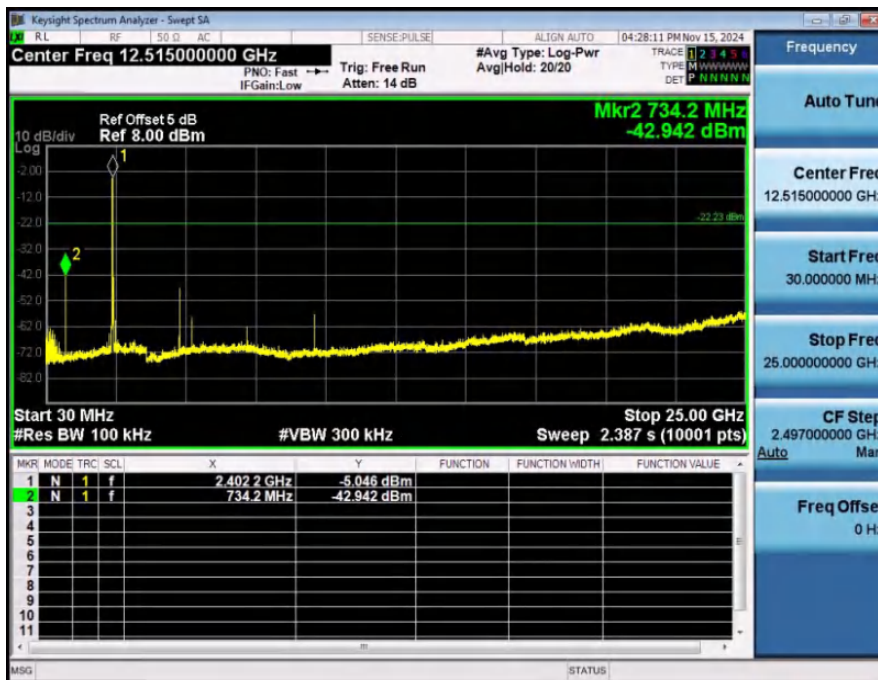
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1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00



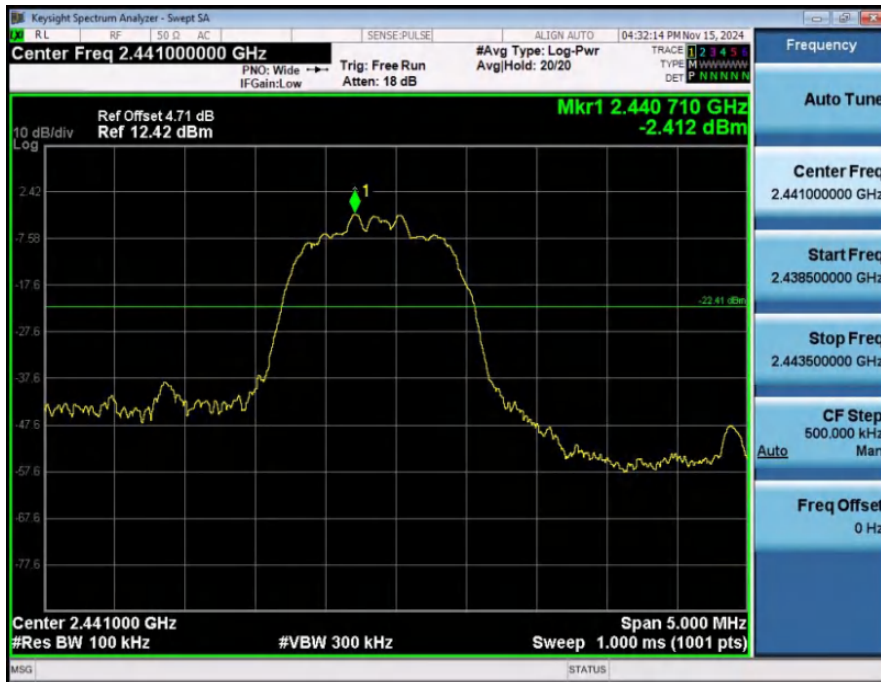
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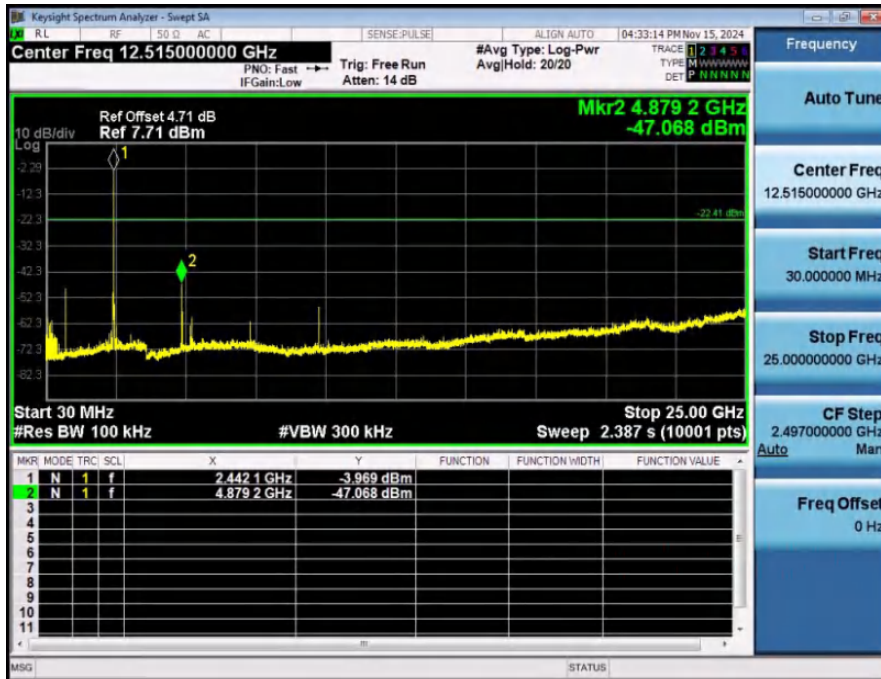
Hotline 400-003-0500
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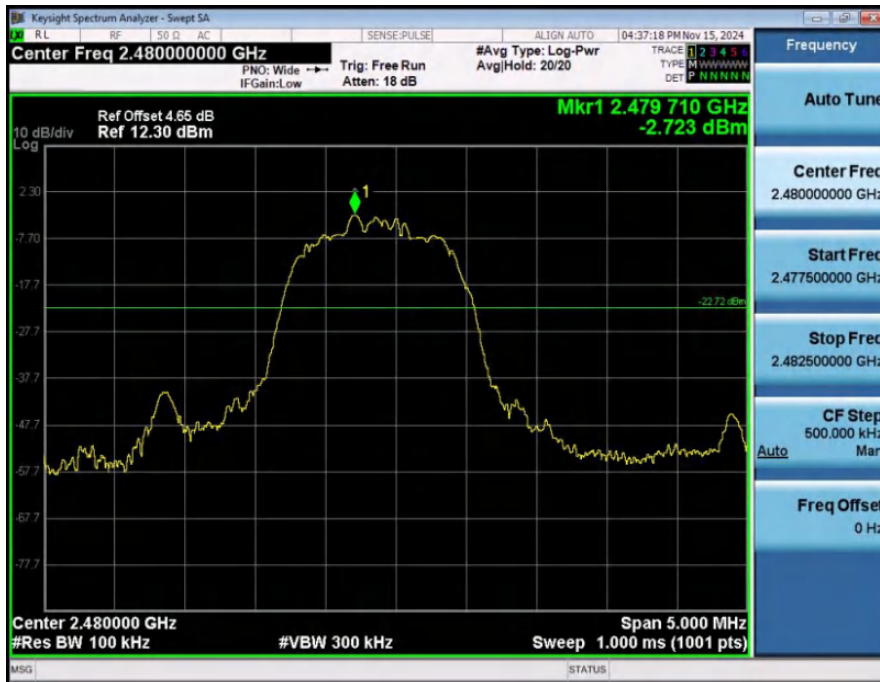
1_Reference_Level_NVNT_ANT1_3-DH5_2441_00



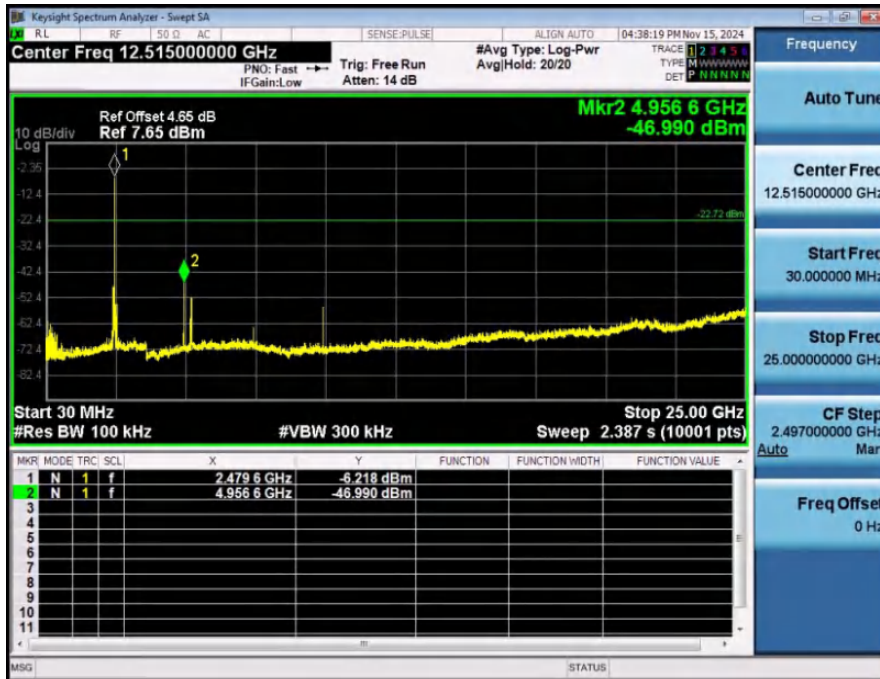
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00



Appendix F: Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-48.524	-22.175	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-49.874	-21.971	Pass
NVNT	ANT1	1-DH5	2480.00	-56.399	-22.640	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-51.399	-22.375	Pass
NVNT	ANT1	2-DH5	2402.00	-49.146	-22.305	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-52.277	-22.195	Pass
NVNT	ANT1	2-DH5	2480.00	-54.512	-22.800	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-53.148	-22.484	Pass
NVNT	ANT1	3-DH5	2402.00	-49.400	-22.227	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-51.851	-22.127	Pass
NVNT	ANT1	3-DH5	2480.00	-54.646	-22.723	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-52.753	-22.392	Pass

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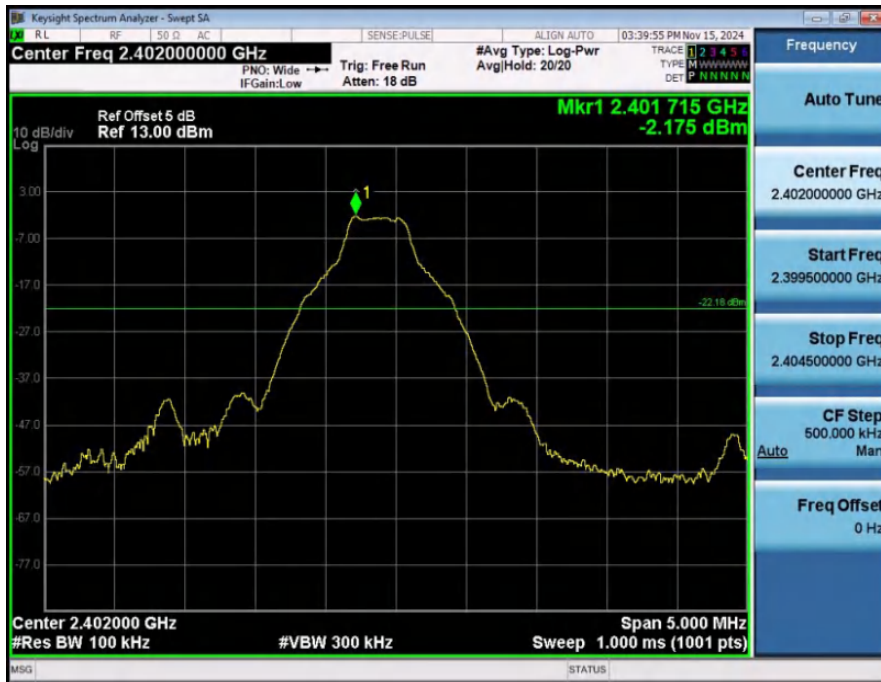
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-26066440 Email: service@anbotek.com



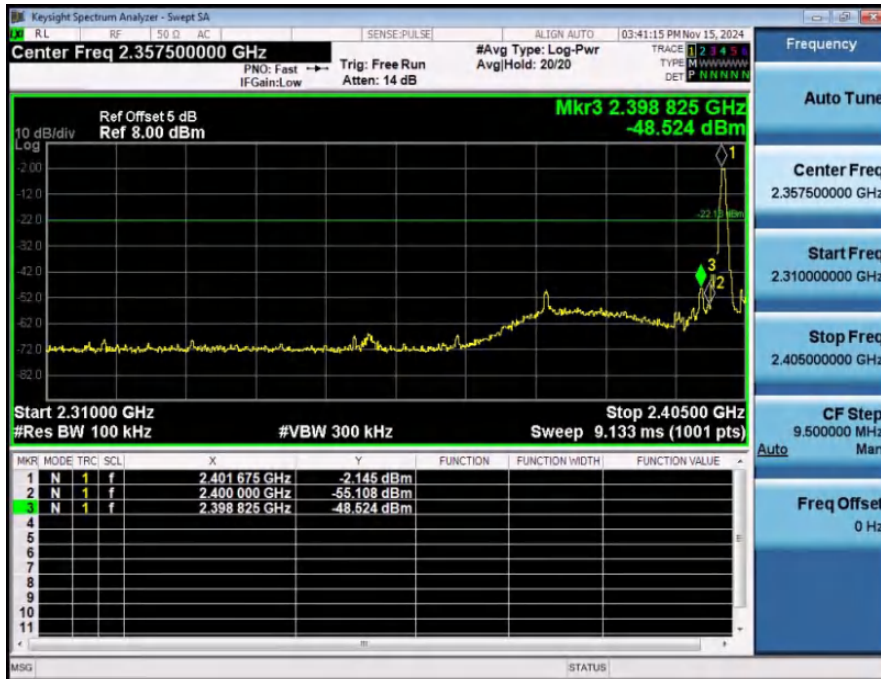
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1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



2_Bandedge_NVNT_ANT1_1-DH5_2402_00



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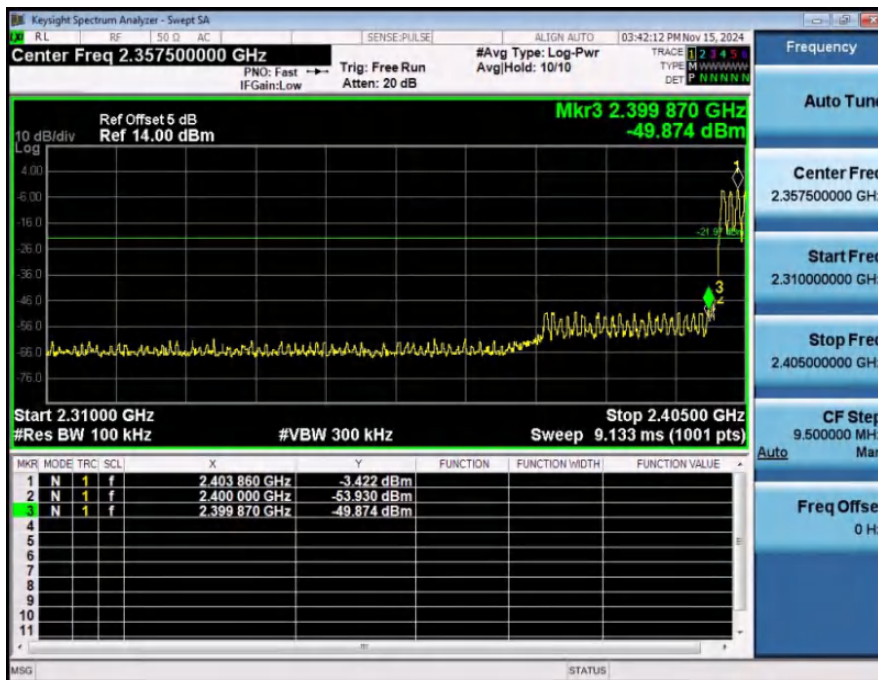
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1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



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

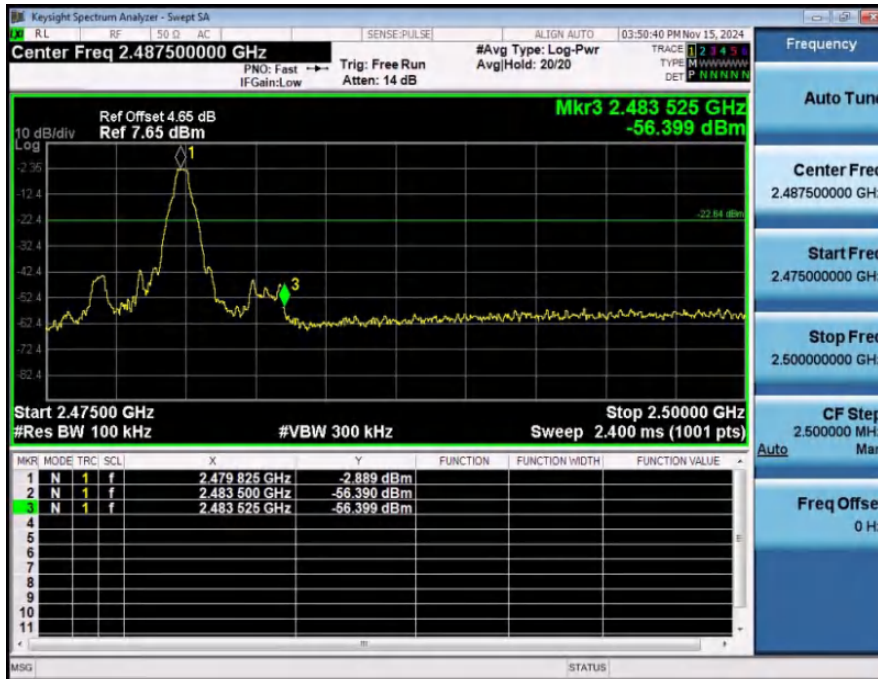
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1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



2_Bandedge_NVNT_ANT1_1-DH5_2480_00



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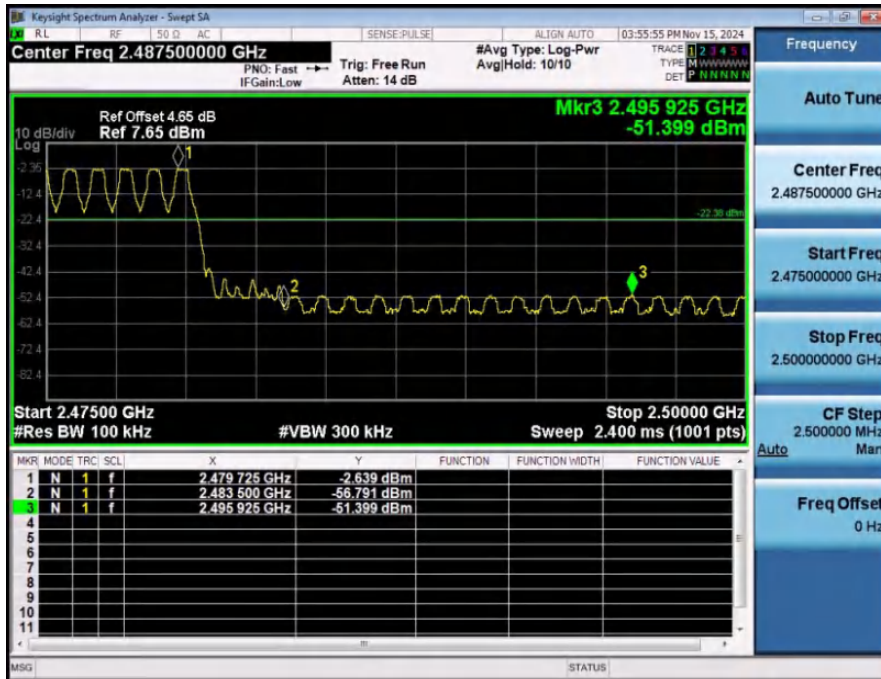
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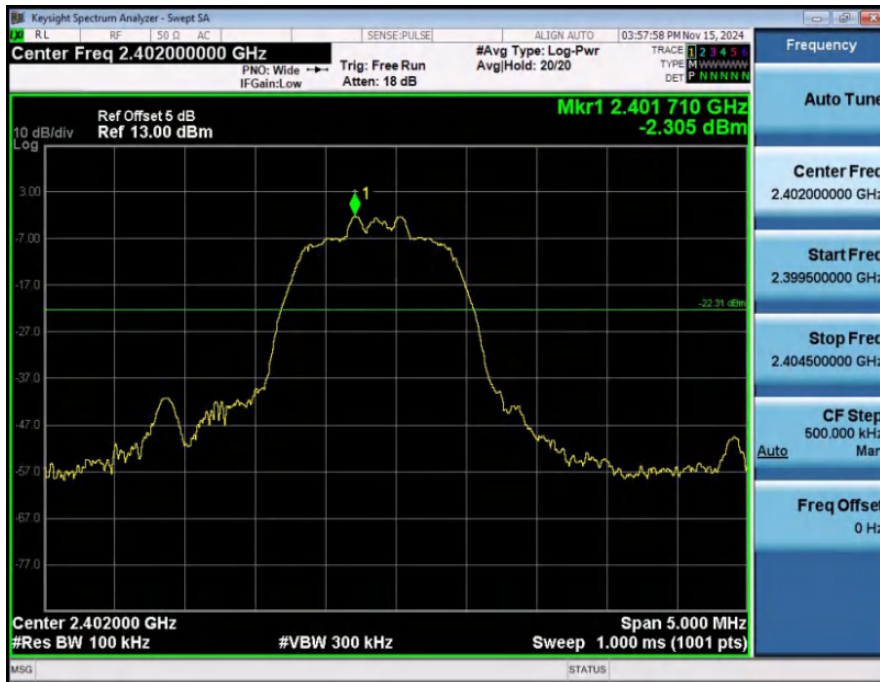
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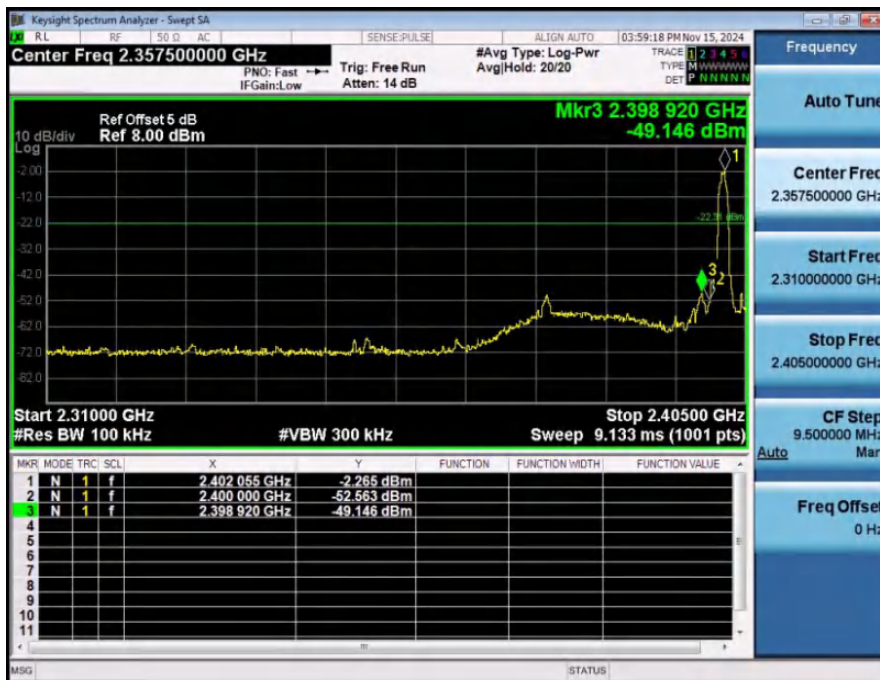
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



2_Bandedge_NVNT_ANT1_2-DH5_2402_00



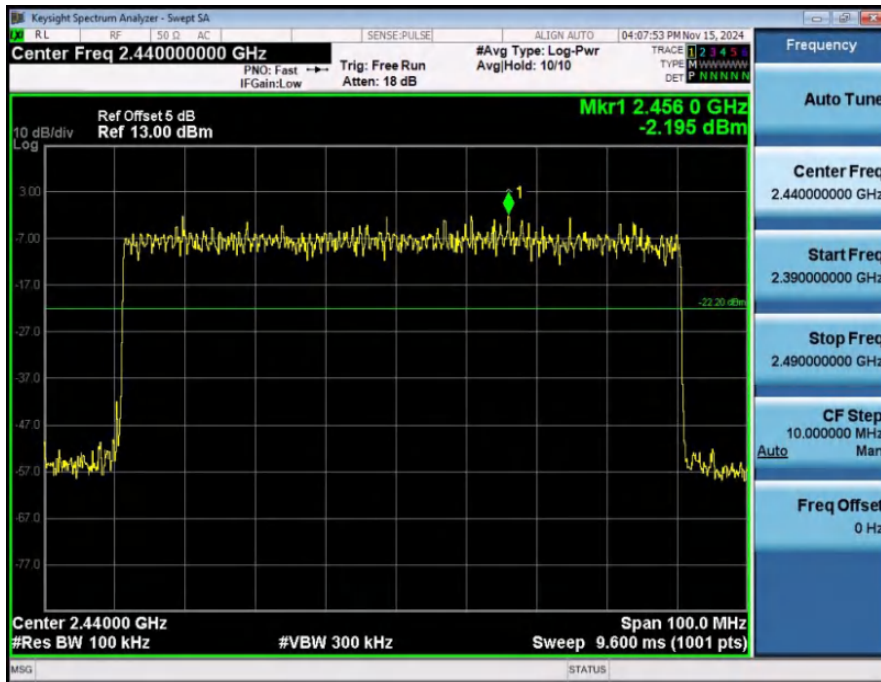
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Tel: (86)0755-26066440 Email: service@anbotek.com

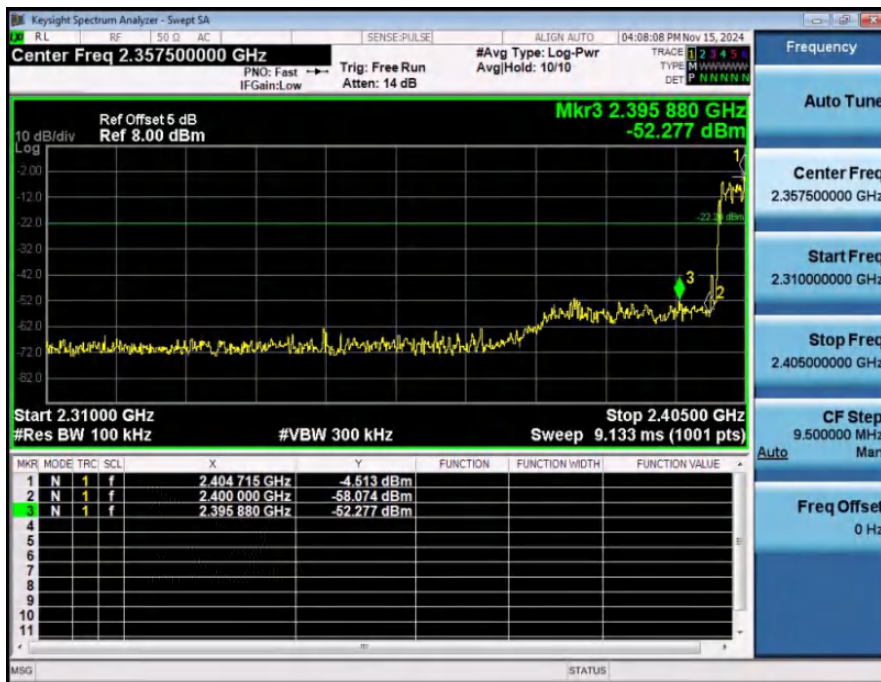
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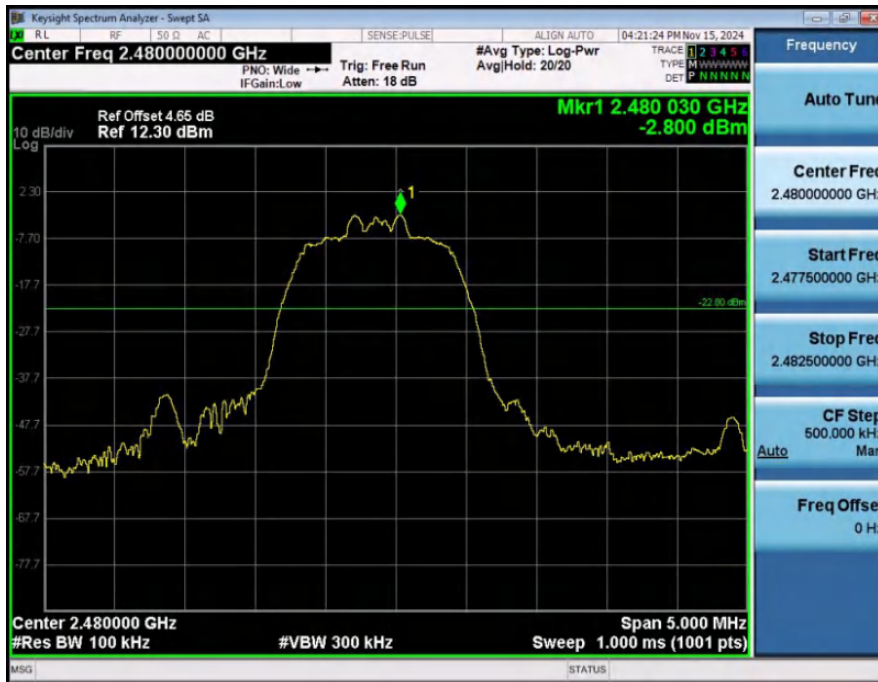
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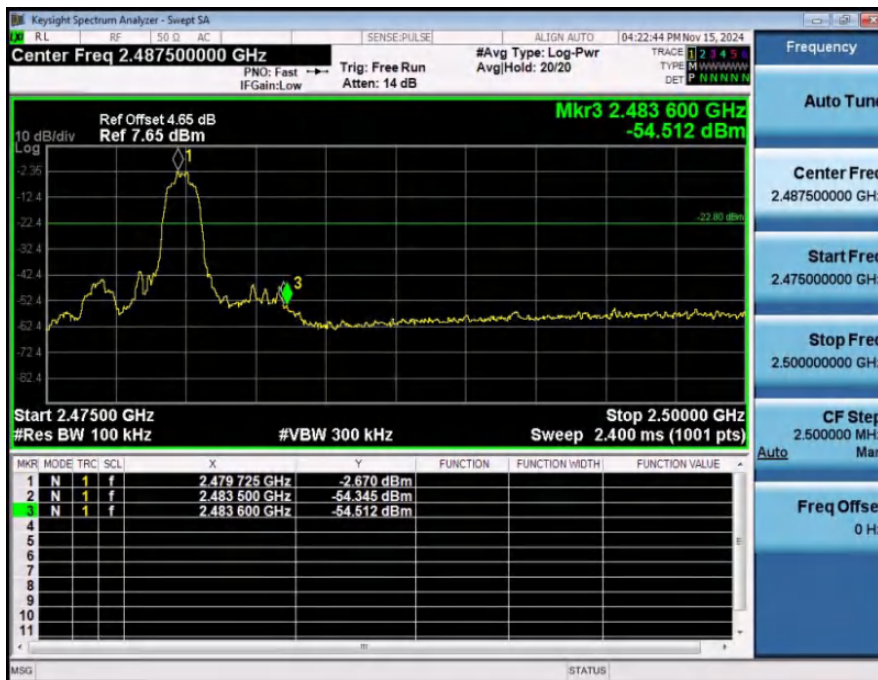
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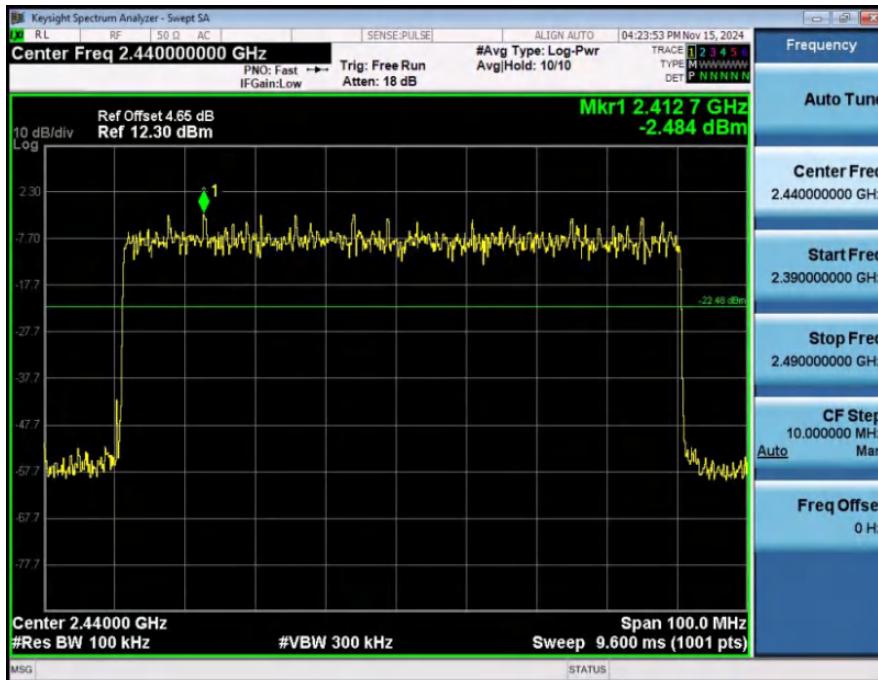
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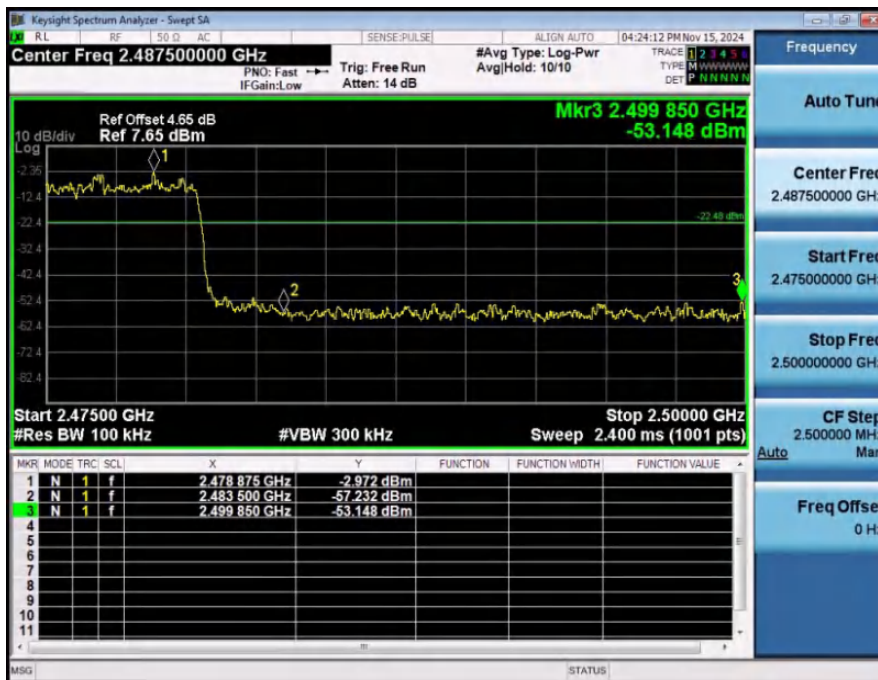
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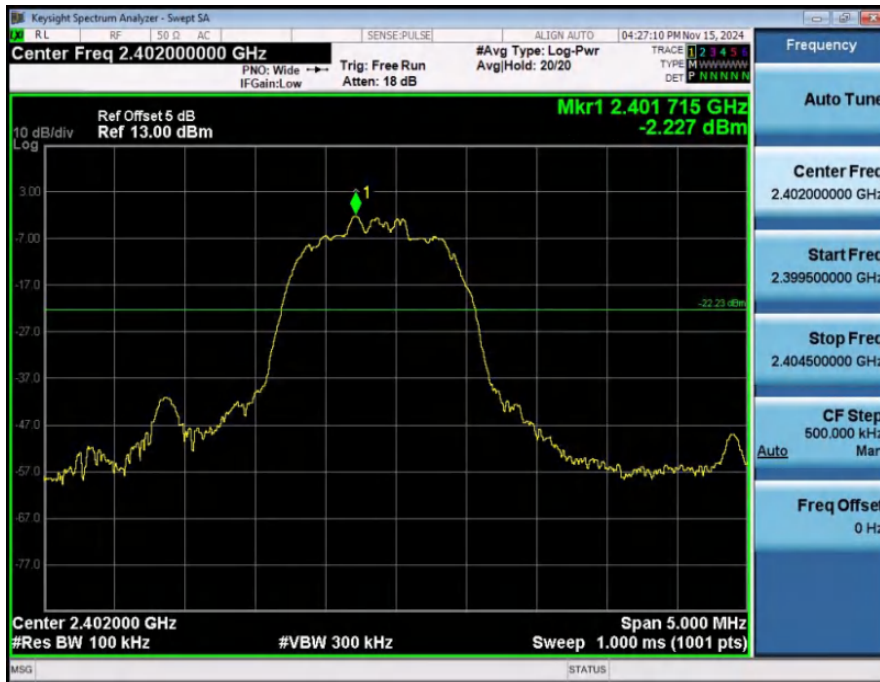
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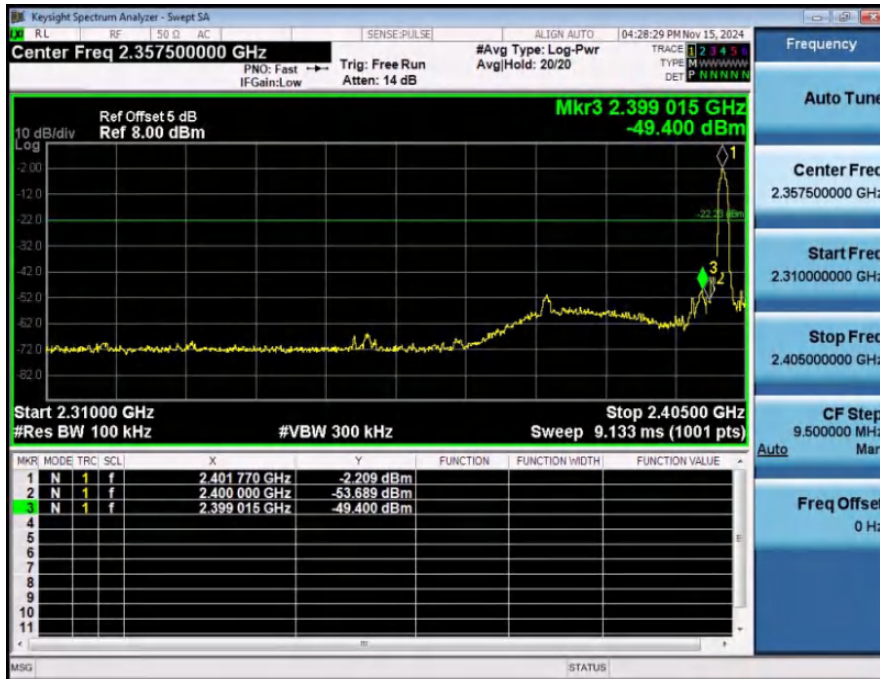
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



2_Bandedge_NVNT_ANT1_3-DH5_2402_00



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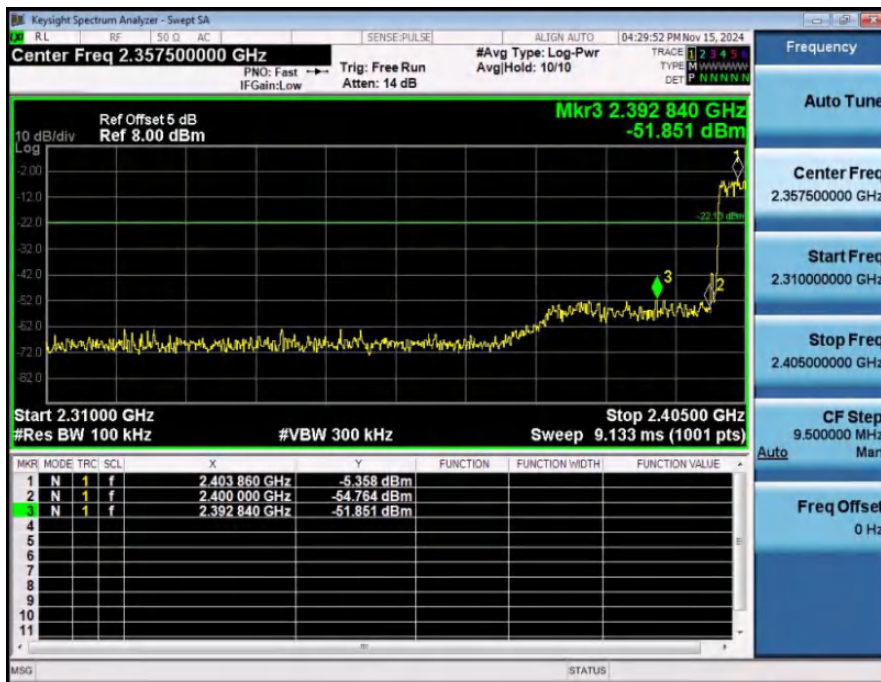
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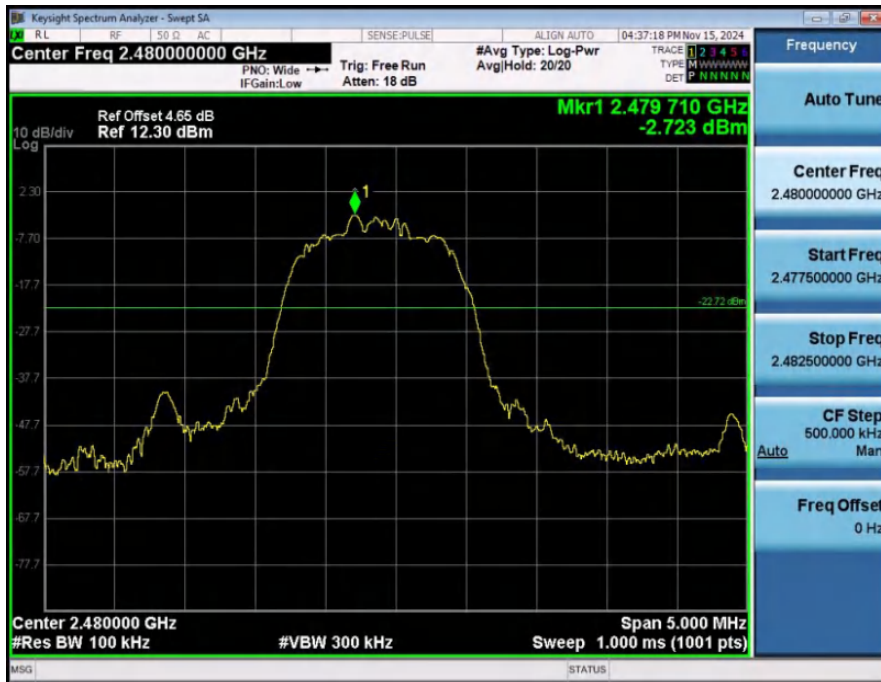
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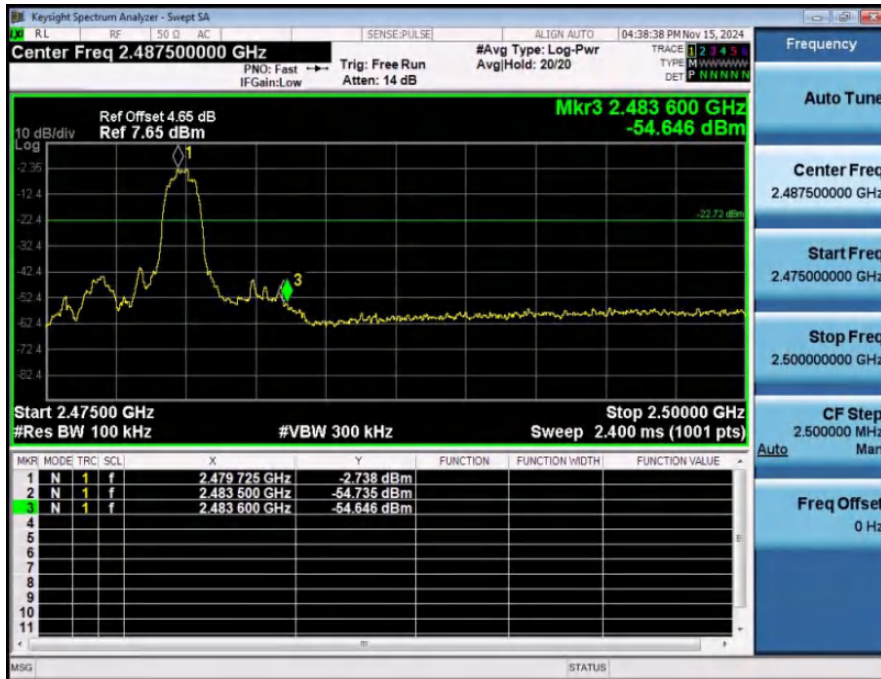
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Bandedge_NVNT_ANT1_3-DH5_2480_00



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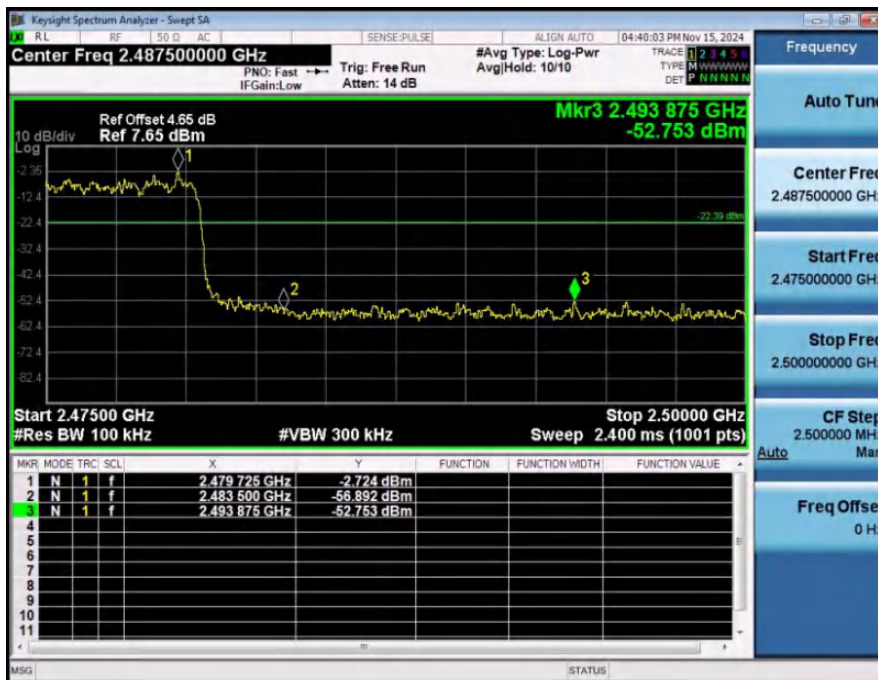
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1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping

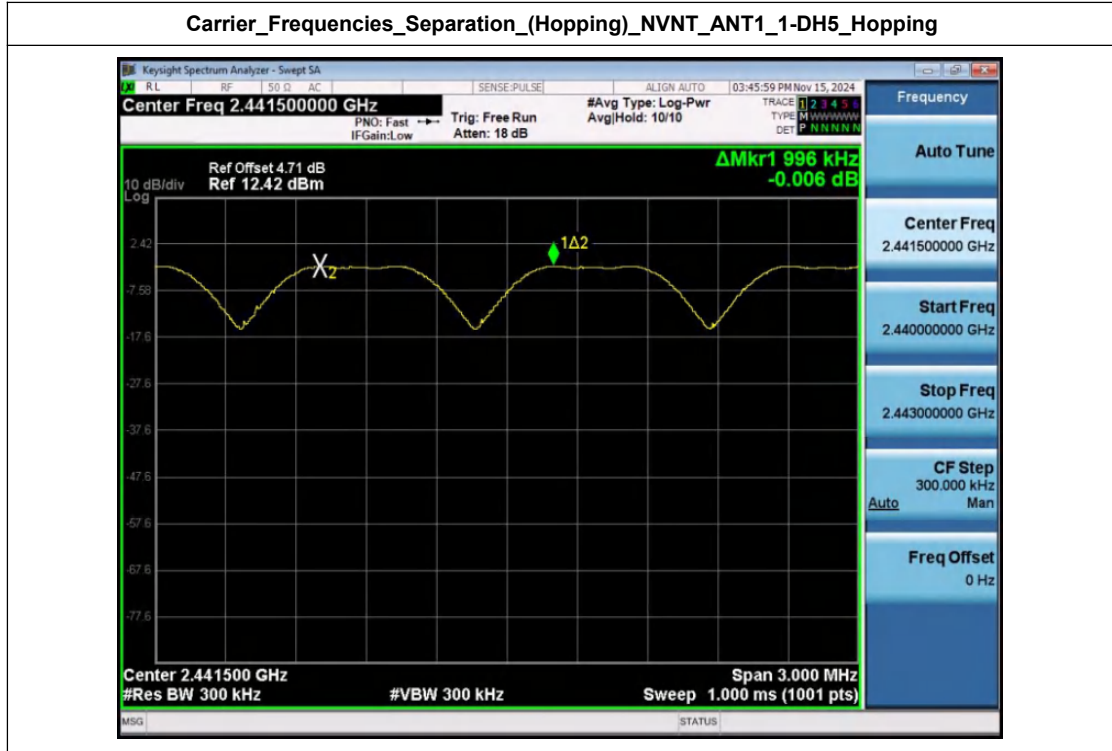


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping

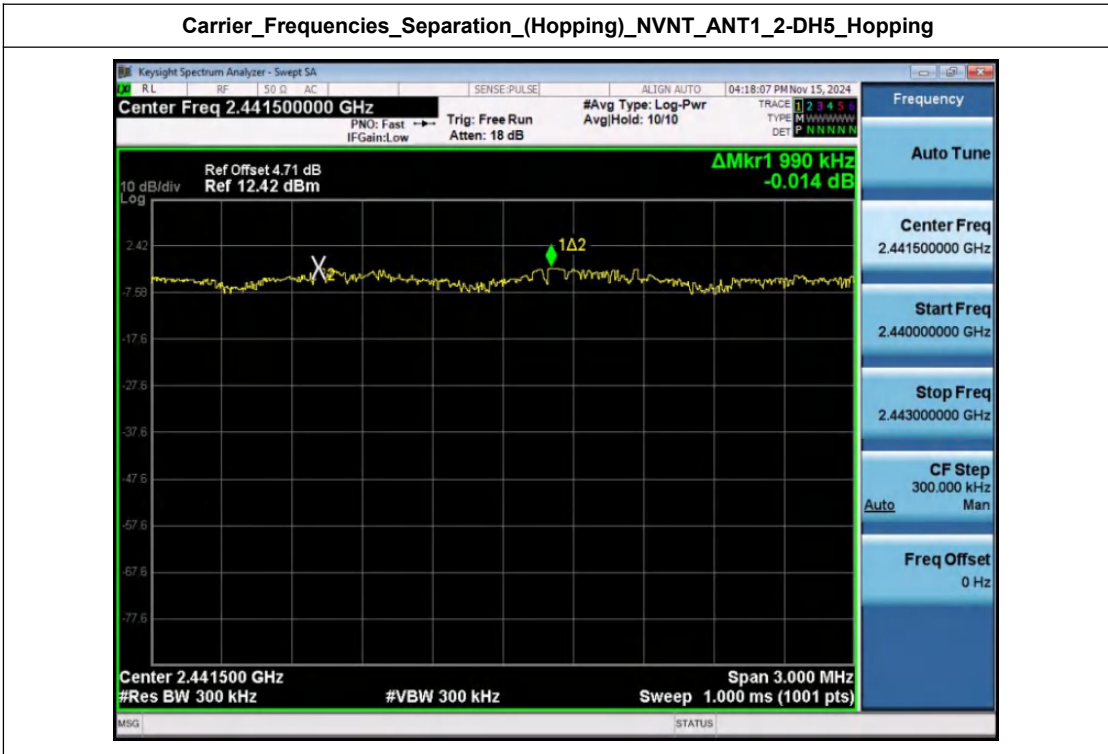


Appendix G: Carrier Frequencies Separation (Hopping)

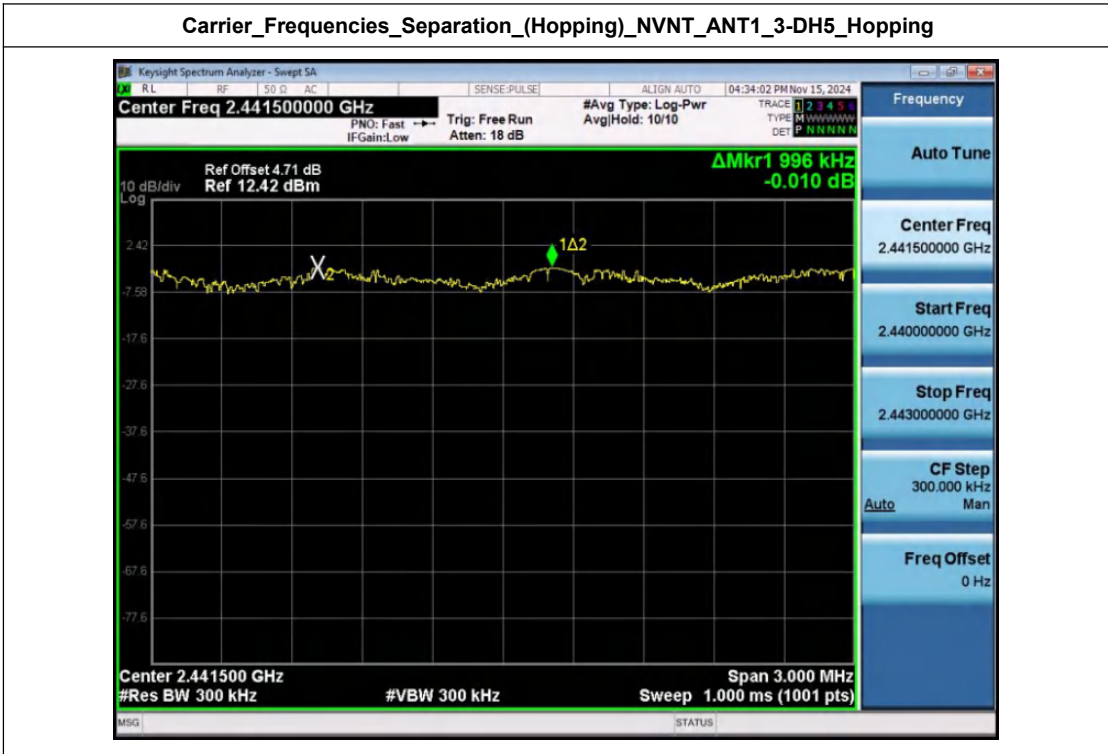
Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH5	2441.00	2440.702	2441.698	1.00	0.958	Pass
NVNT	ANT1	2-DH5	2441.00	2440.714	2441.704	0.99	0.855	Pass
NVNT	ANT1	3-DH5	2441.00	2440.711	2441.707	1.00	0.869	Pass



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping

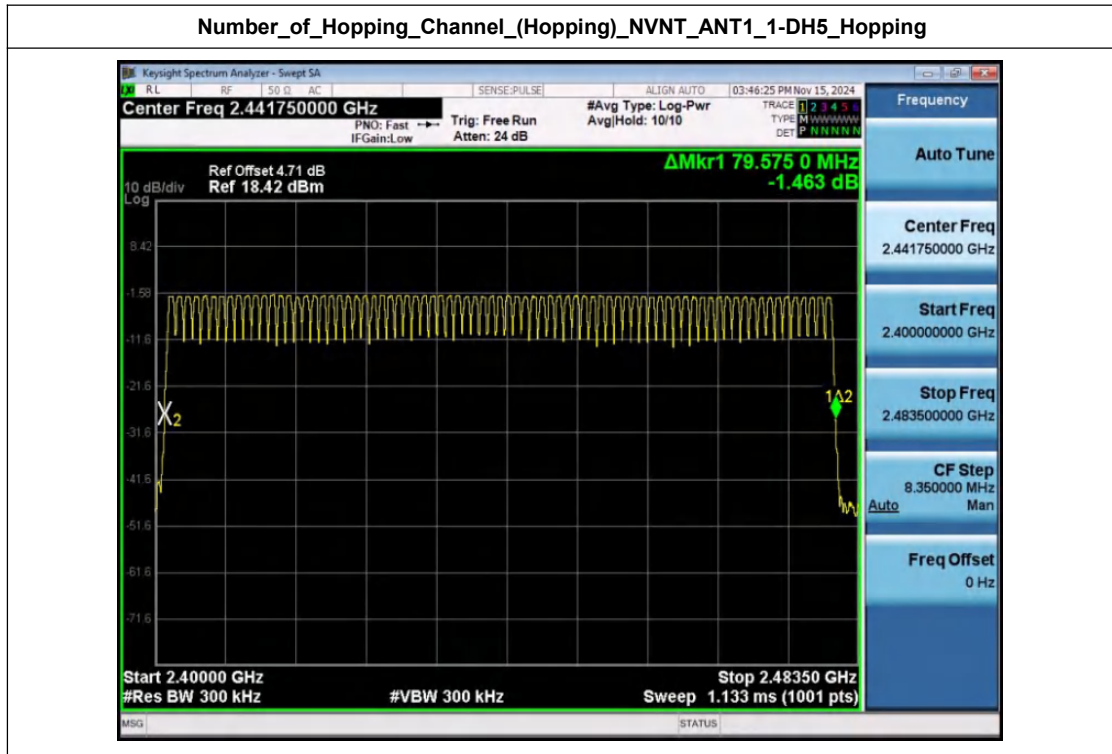


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping

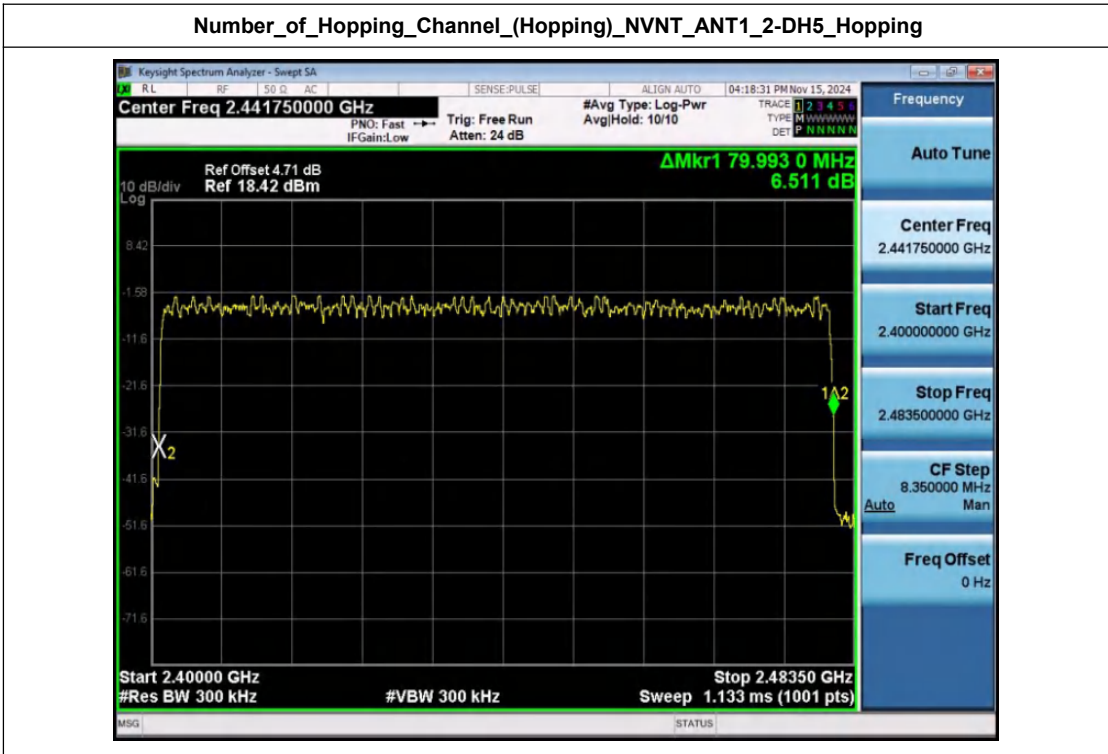


Appendix H: Number of Hopping Channel (Hopping)

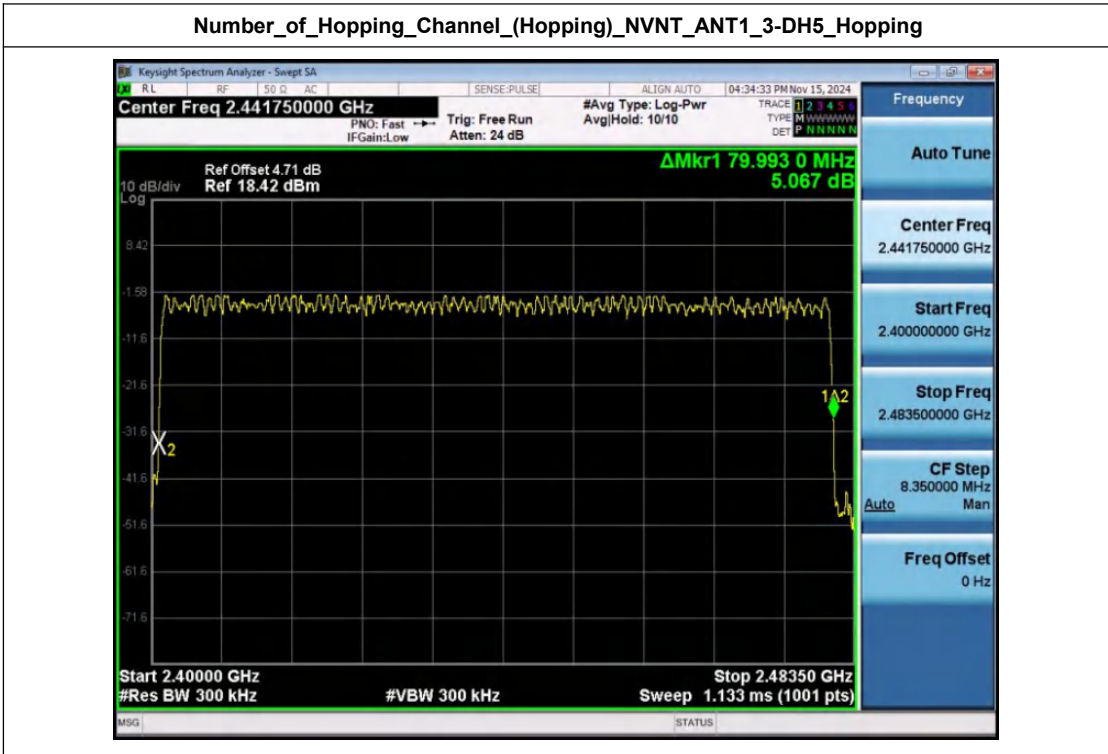
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	75	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.882	101.00	291.082	0.40	Pass
NVNT	ANT1	2-DH5	2.887	107.00	308.909	0.40	Pass
NVNT	ANT1	3-DH5	2.889	95.00	274.455	0.40	Pass
NVNT	ANT1	1-DH1	0.377	320.00	120.640	0.40	Pass
NVNT	ANT1	1-DH3	1.633	160.00	261.280	0.40	Pass
NVNT	ANT1	2-DH1	0.387	319.00	123.453	0.40	Pass
NVNT	ANT1	2-DH3	1.639	174.00	285.186	0.40	Pass
NVNT	ANT1	3-DH1	0.134	320.00	42.880	0.40	Pass
NVNT	ANT1	3-DH3	1.638	157.00	257.166	0.40	Pass

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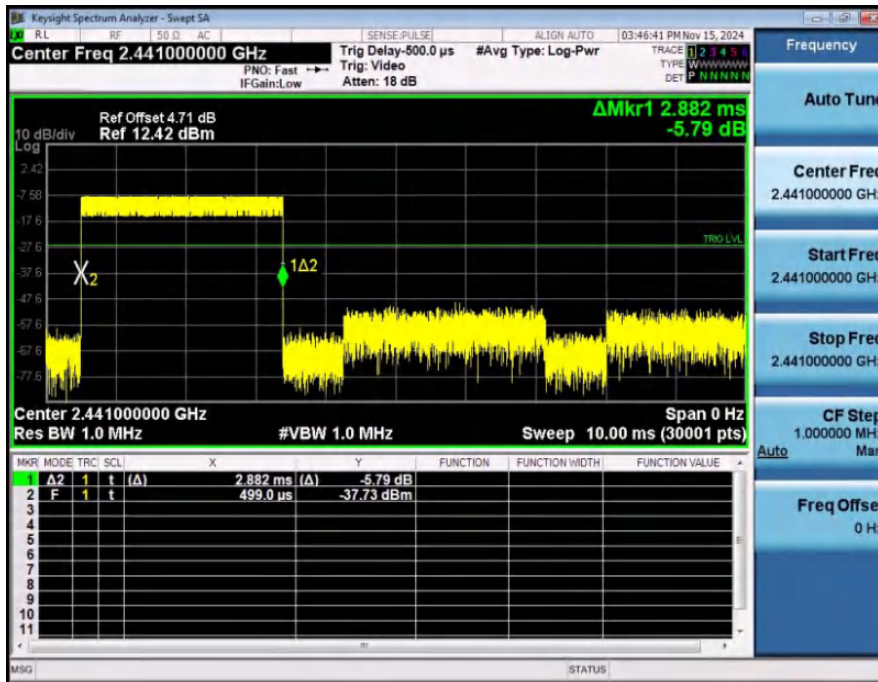
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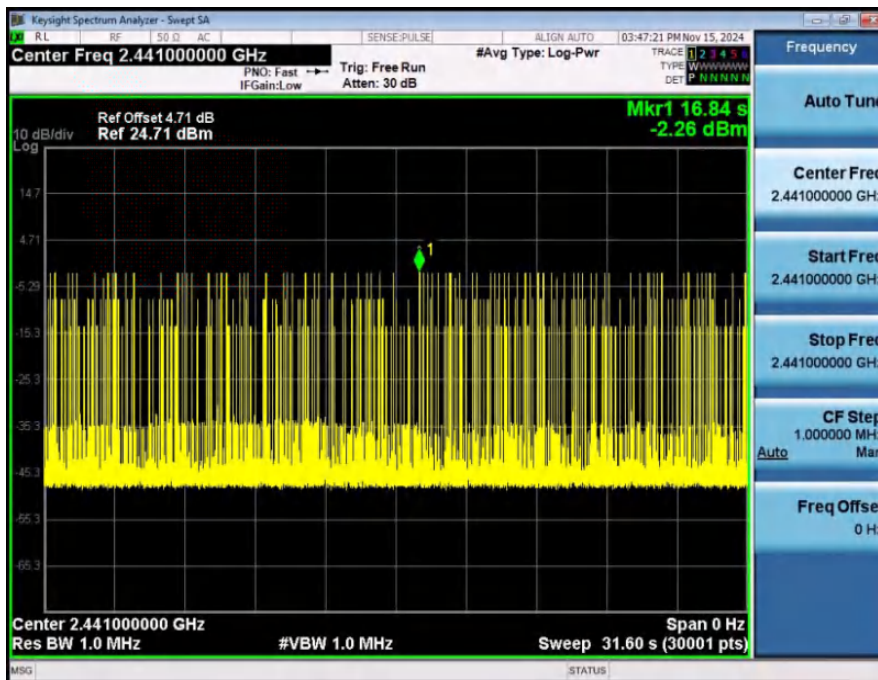
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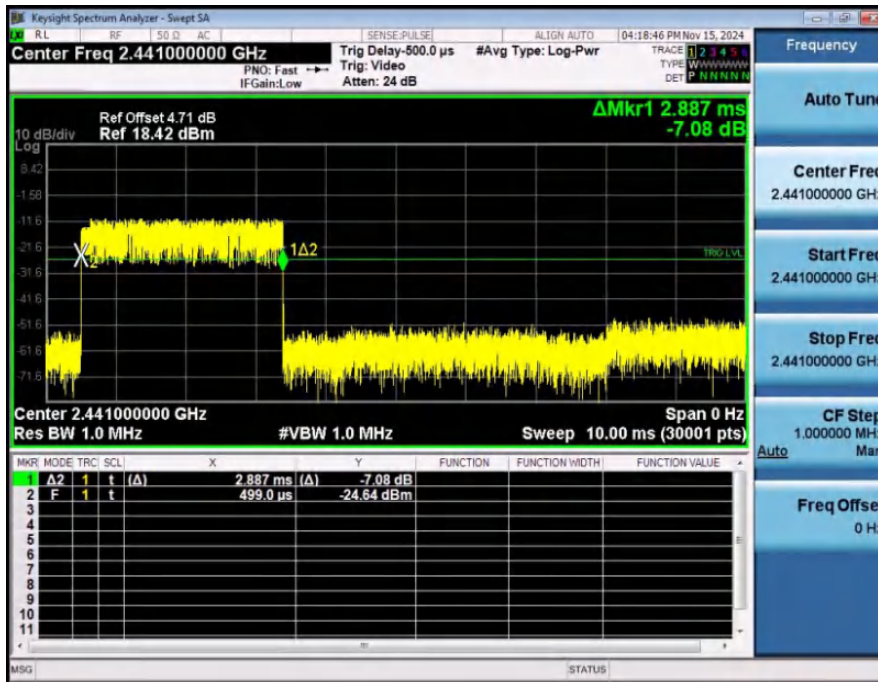
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



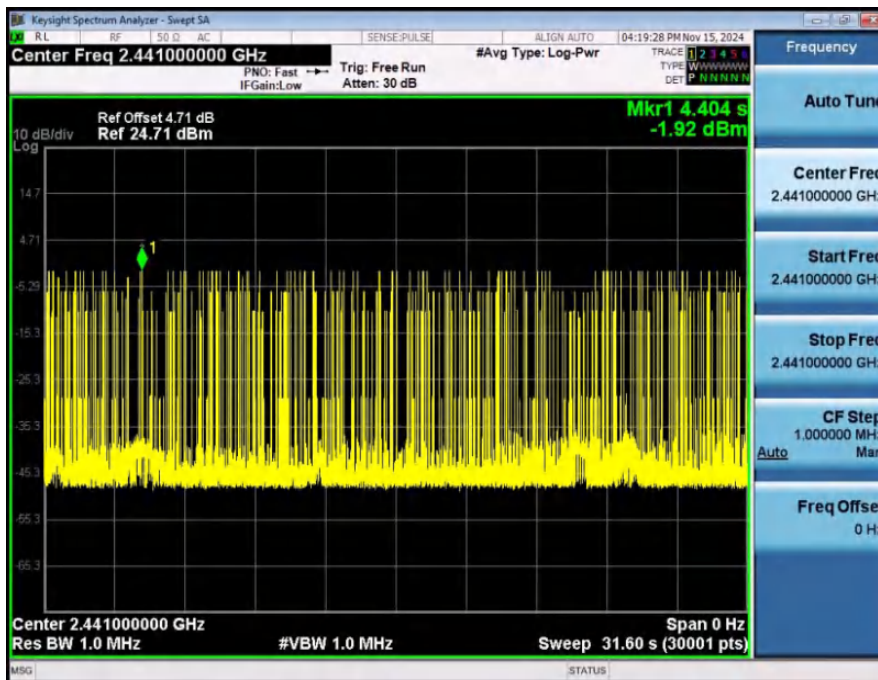
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



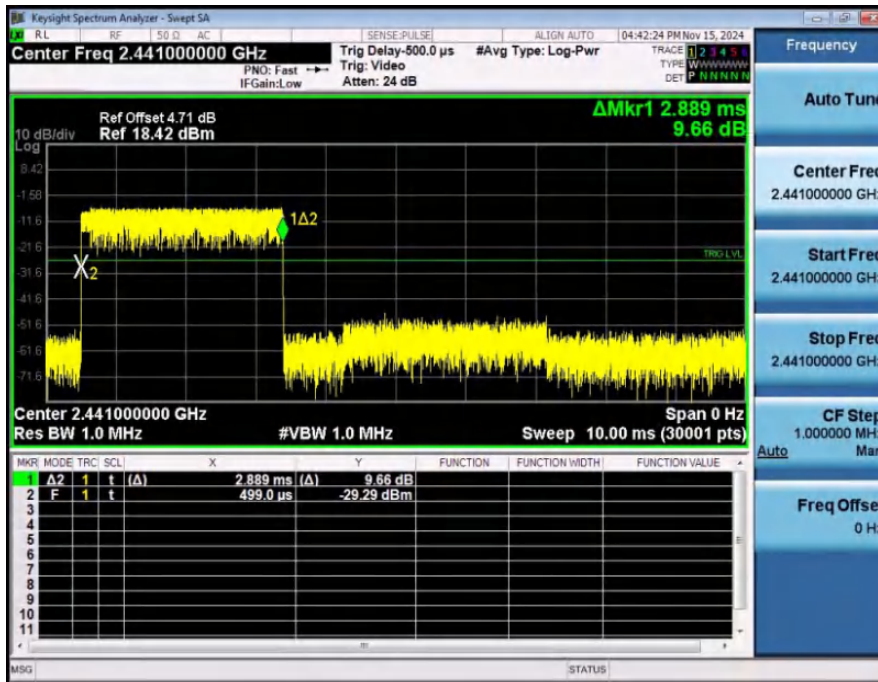
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



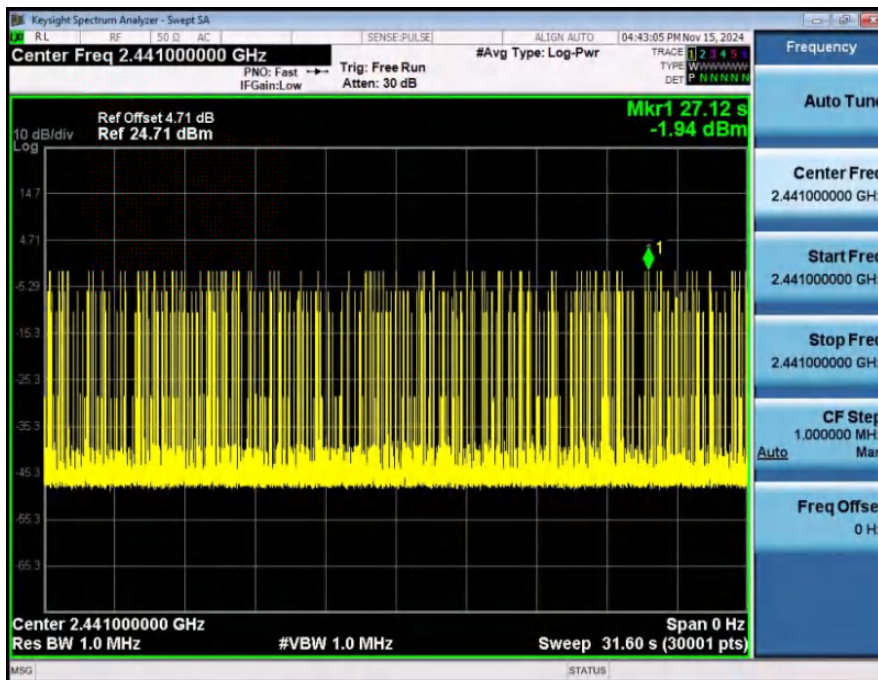
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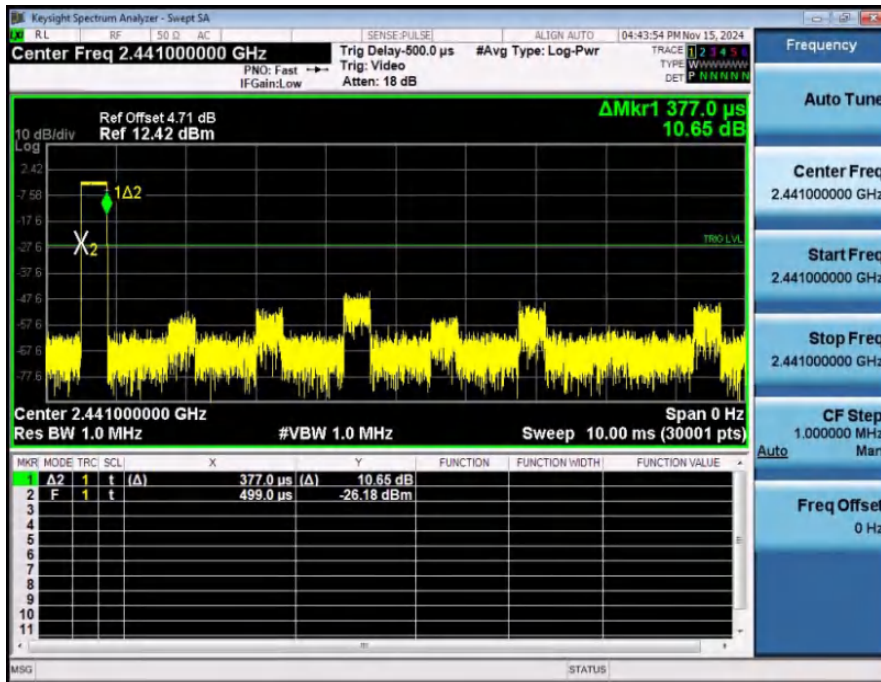
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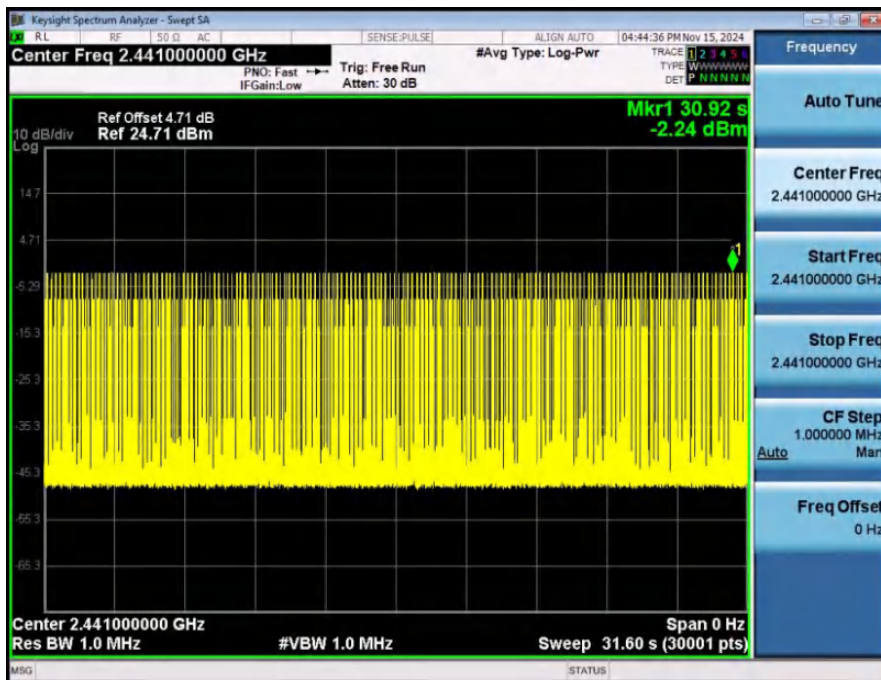
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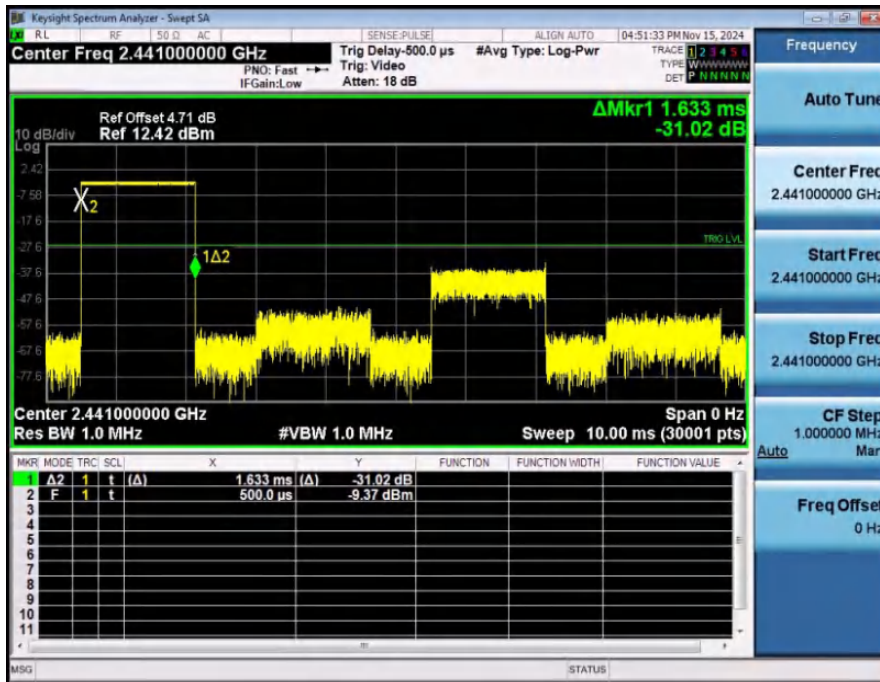
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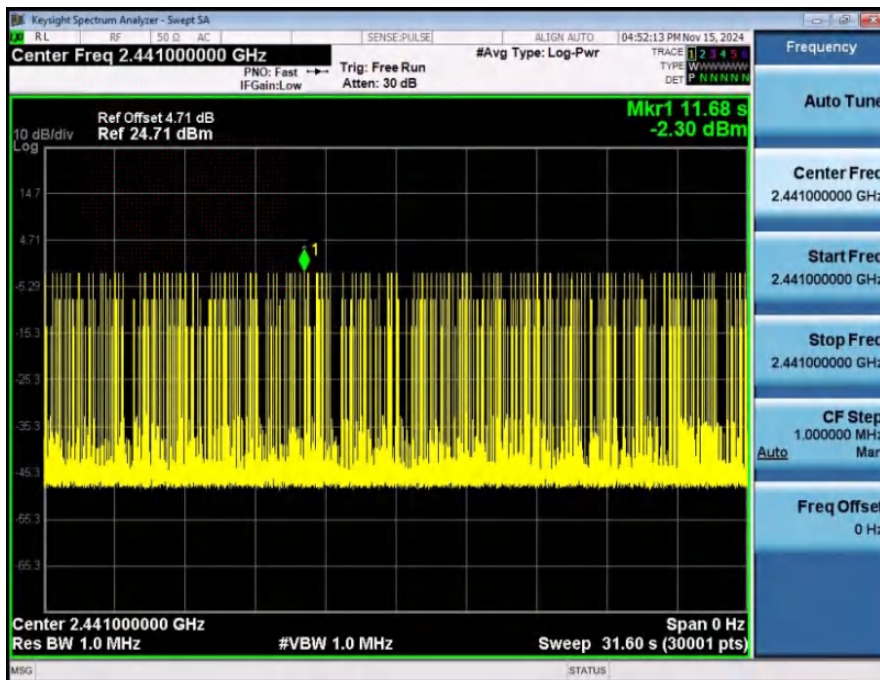
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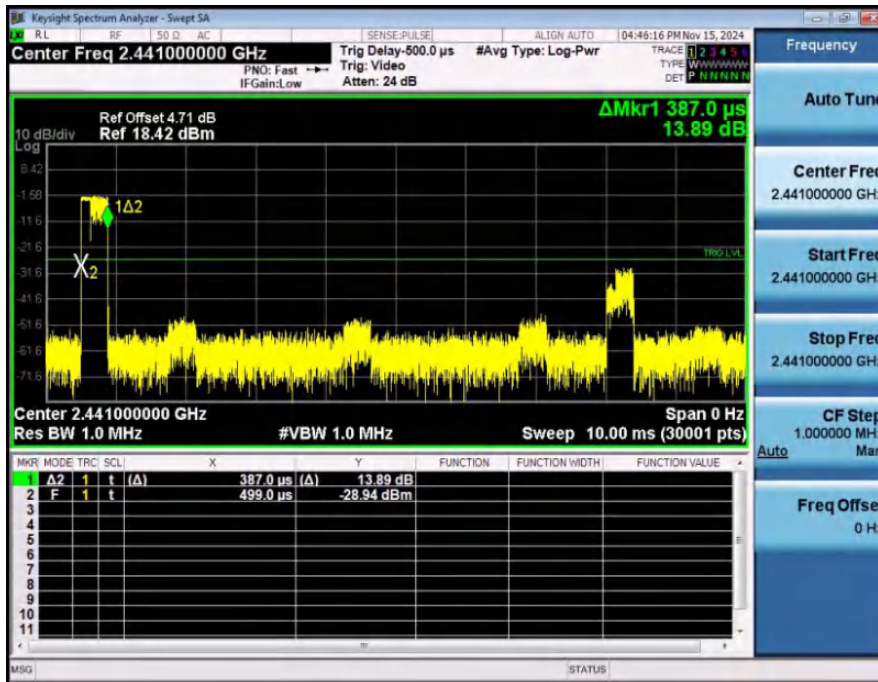
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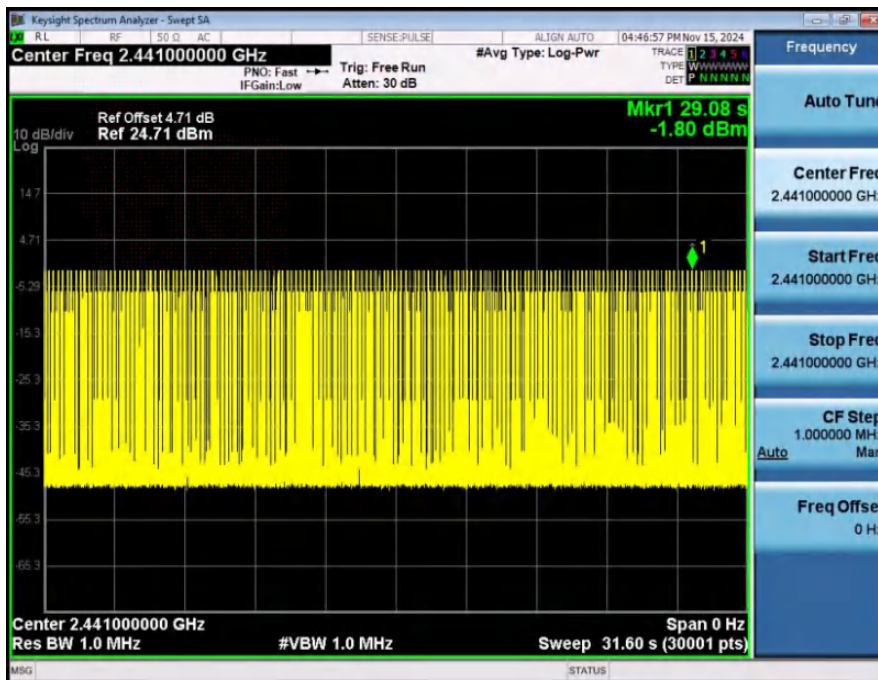
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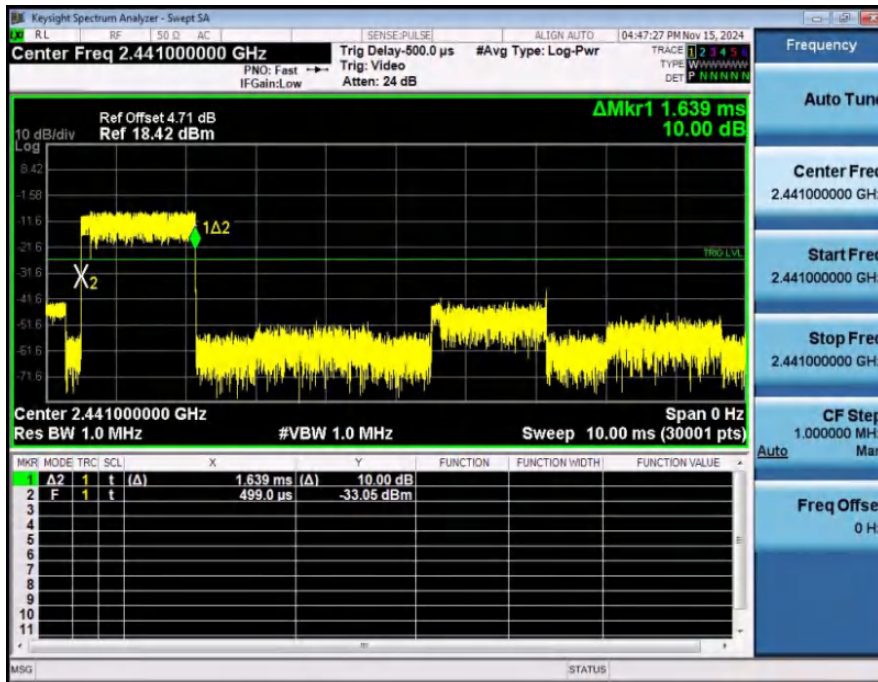
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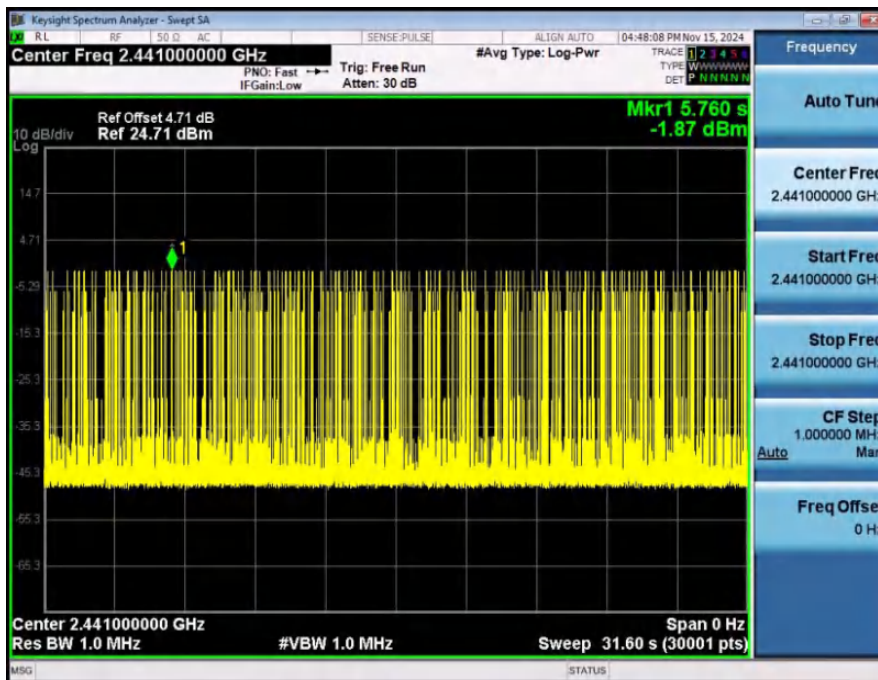
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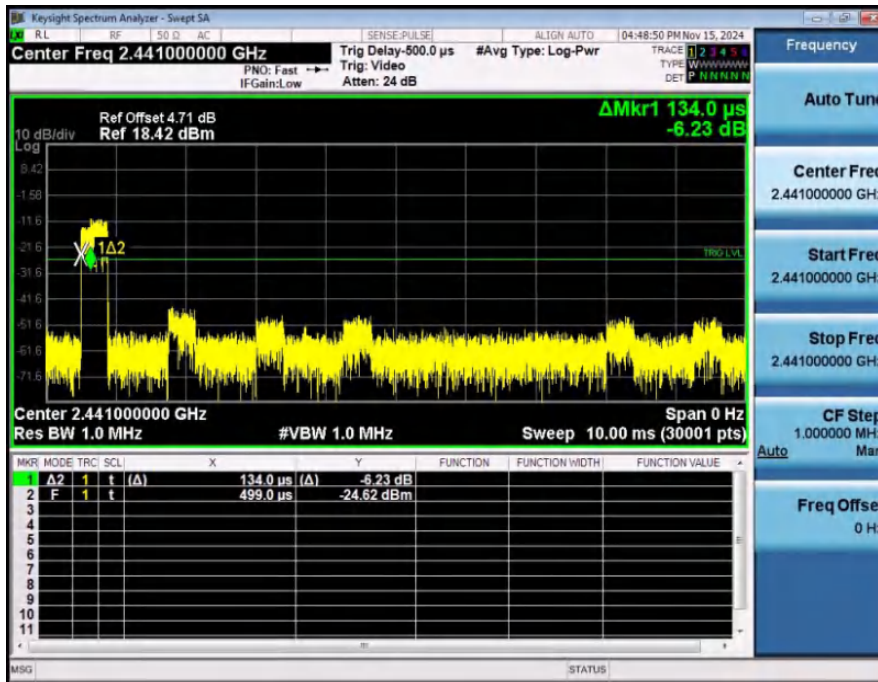
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time



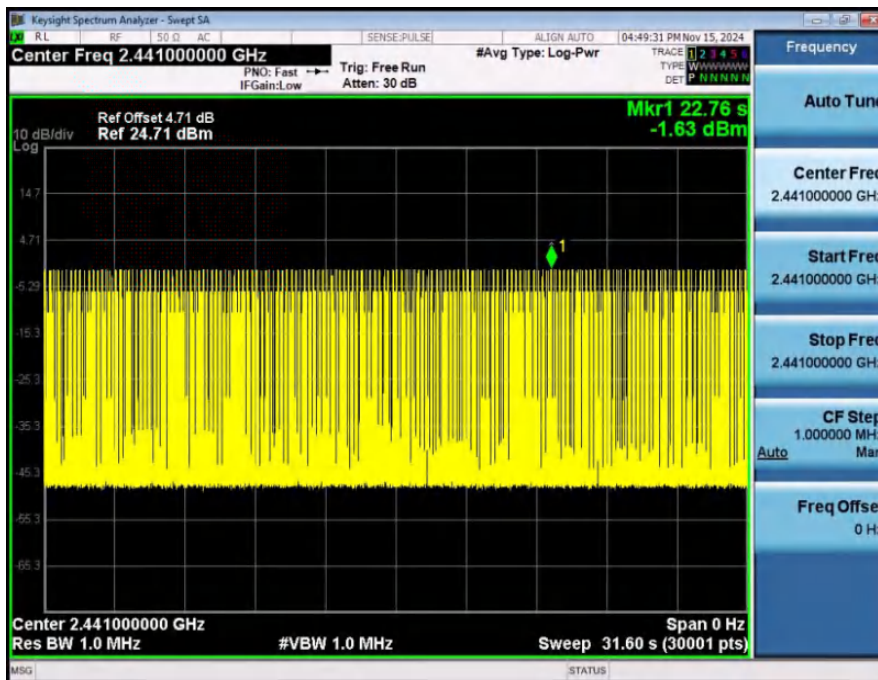
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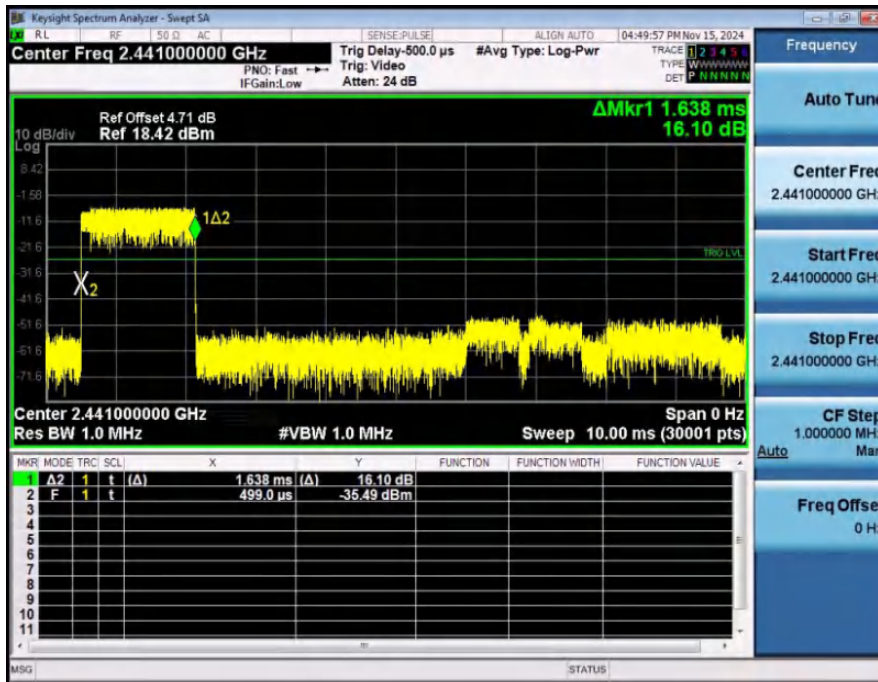
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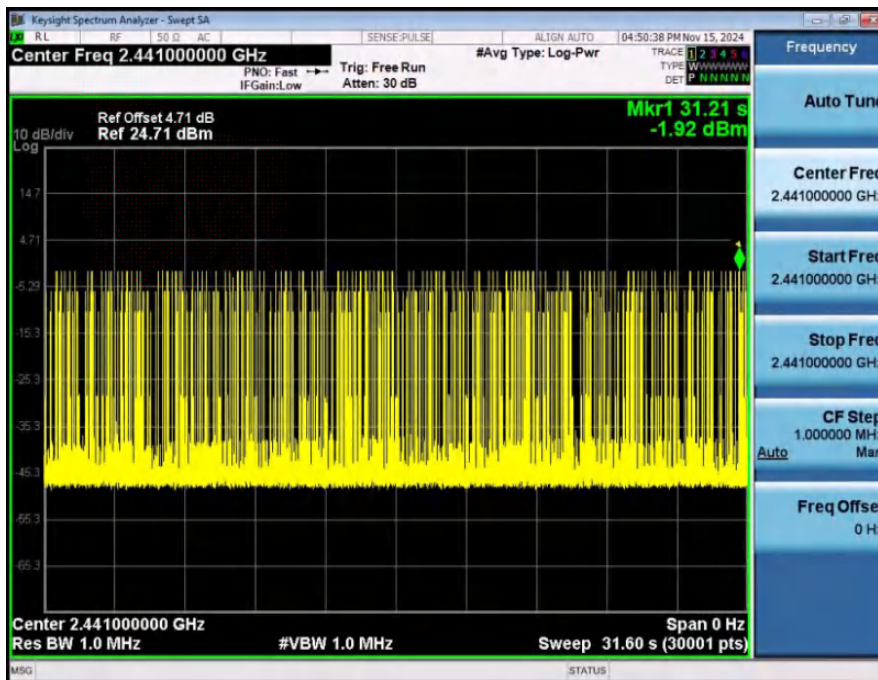
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated



---END---

