

Appendix Test Data

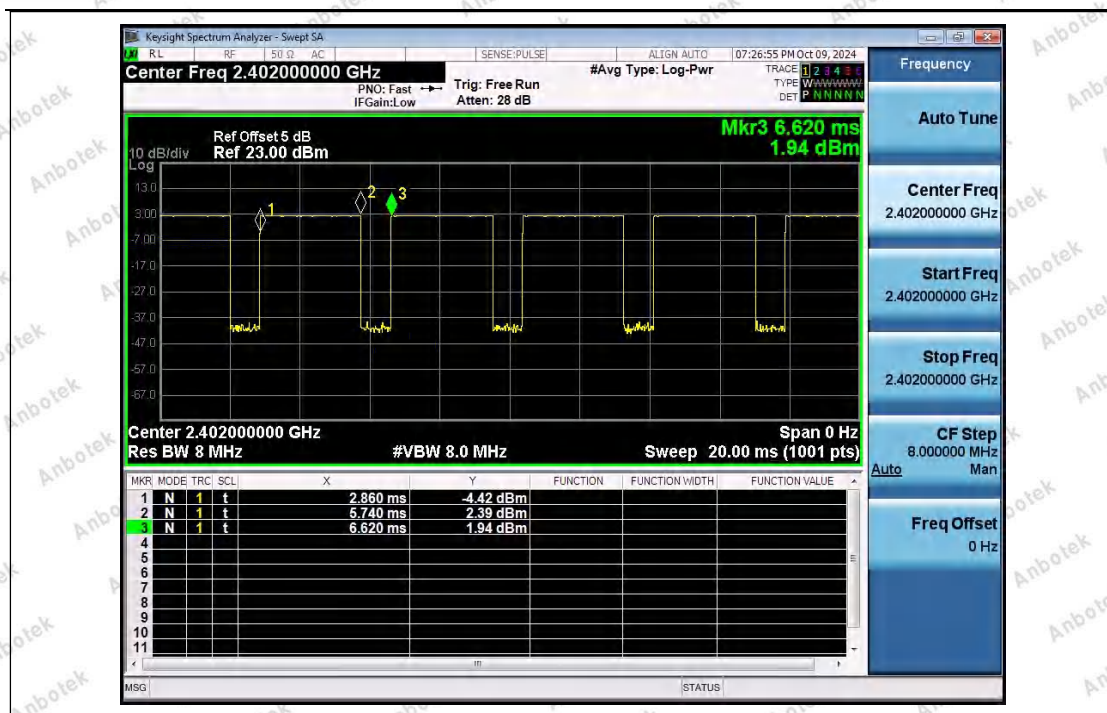
Report No.:	1812C40093912501	Test Sample No.:	1-2-2
Start Test Date:	2024.10.9	Finish Test Date:	2024.10.9
Test Engineer:	Joker Mung	Auditor:	Justin Feng
Temperature:	25.0℃	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: Duty Cycle

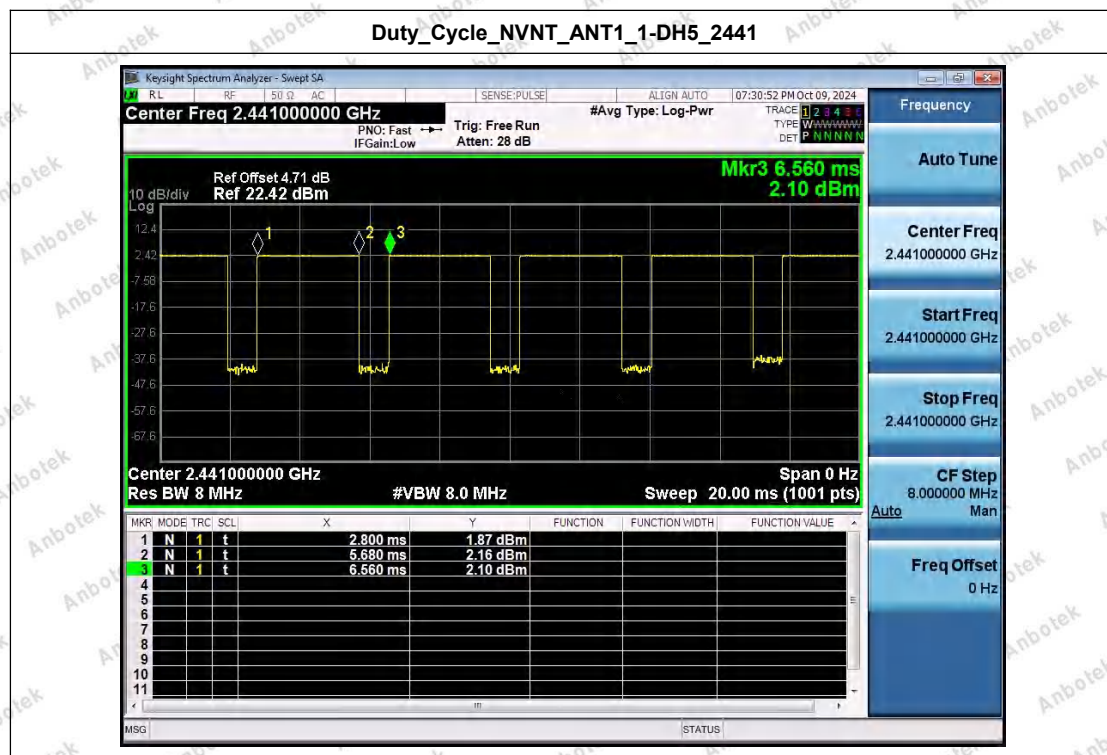
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.13	1.13
NVNT	ANT1	1-DH5	2441.00	77.13	1.13
NVNT	ANT1	1-DH5	2480.00	77.13	1.13
NVNT	ANT1	2-DH5	2402.00	77.66	1.10
NVNT	ANT1	2-DH5	2441.00	77.66	1.10
NVNT	ANT1	2-DH5	2480.00	77.01	1.13
NVNT	ANT1	3-DH5	2402.00	77.54	1.10
NVNT	ANT1	3-DH5	2441.00	77.54	1.10
NVNT	ANT1	3-DH5	2480.00	76.60	1.16

Duty_Cycle_NVNT_ANT1_1-DH5_2402



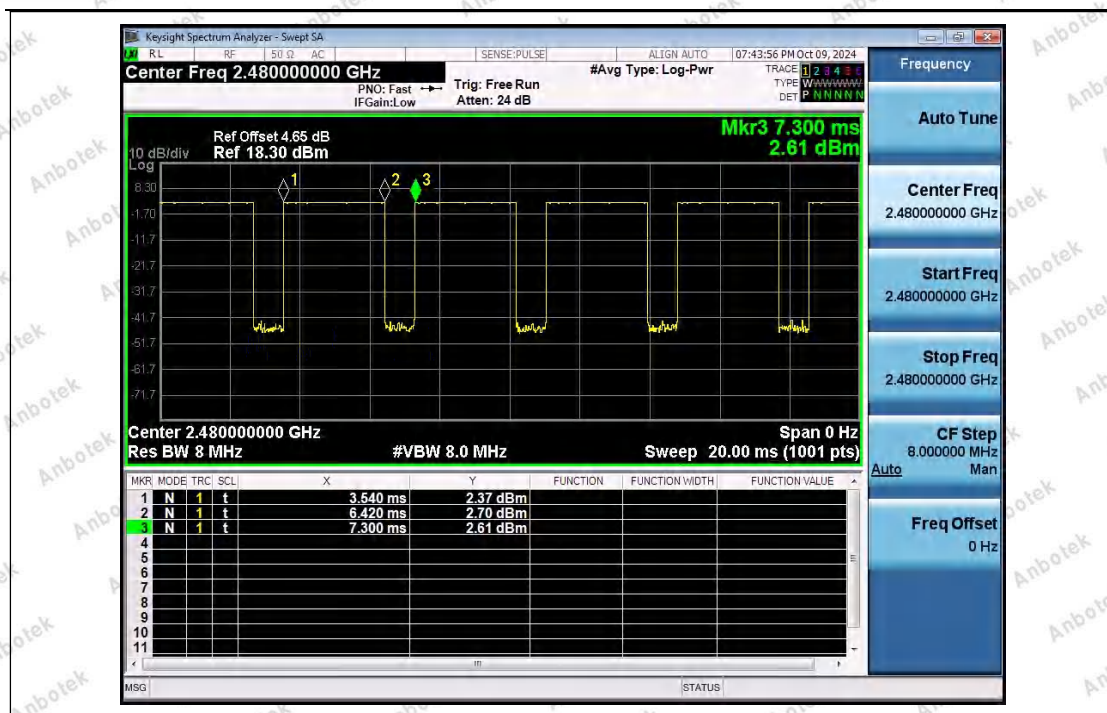


Duty_Cycle_NVNT_ANT1_1-DH5_2441

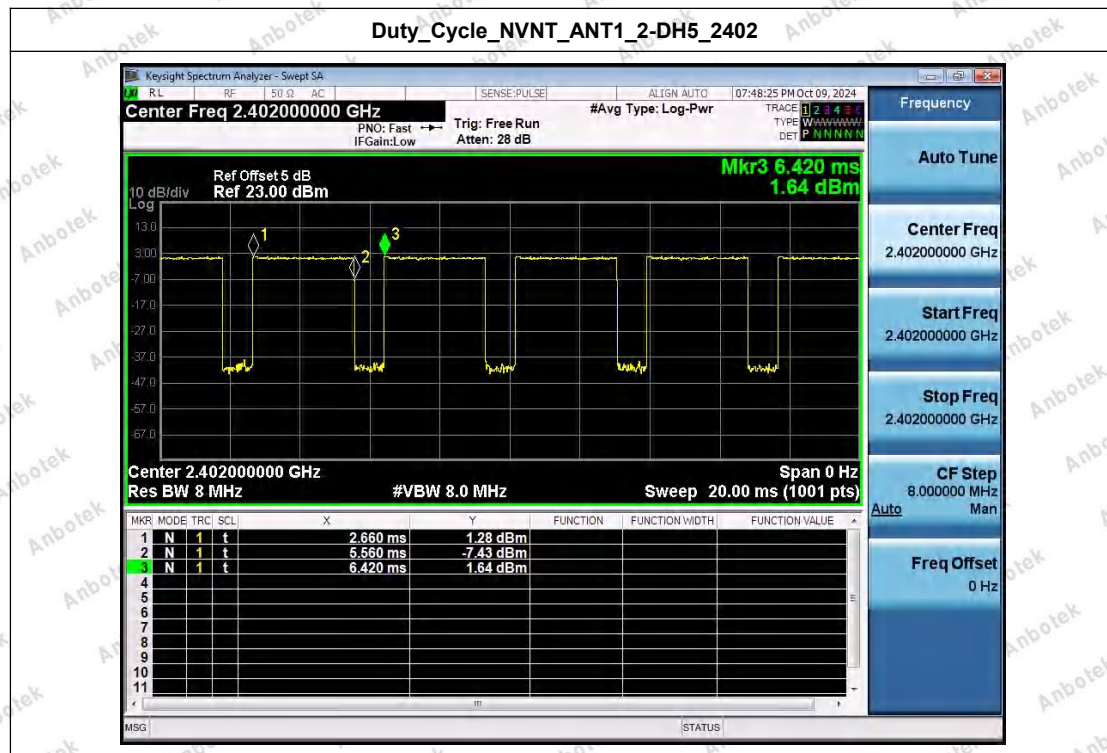


Duty_Cycle_NVNT_ANT1_1-DH5_2480



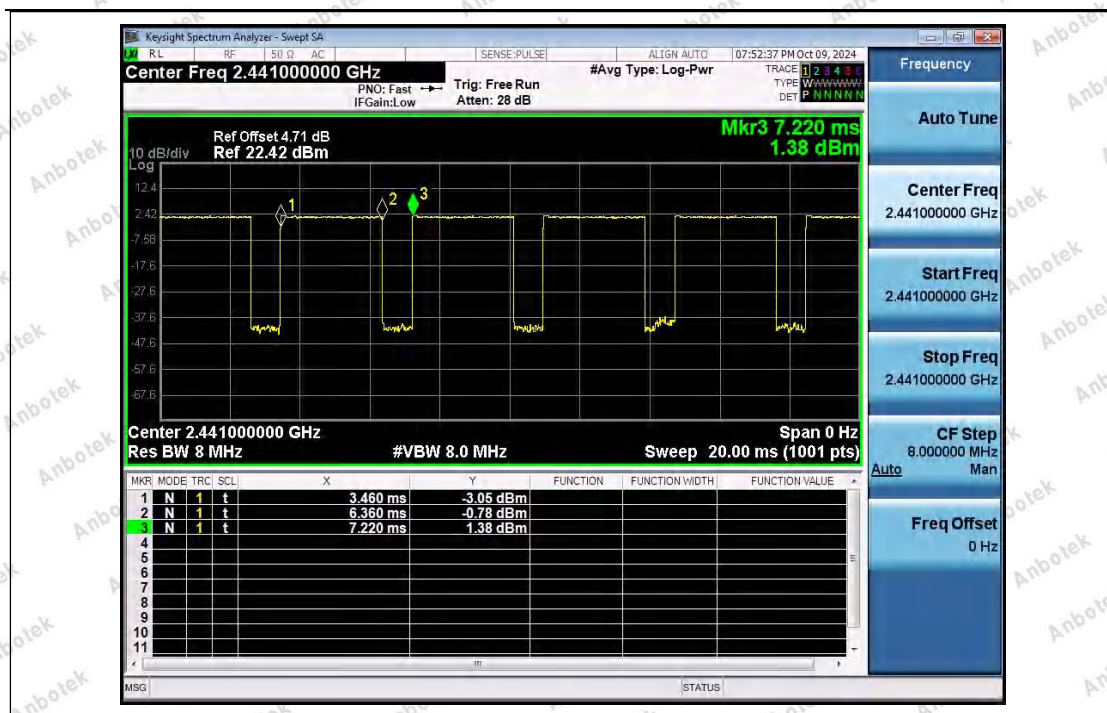


Duty_Cycle_NVNT_ANT1_2-DH5_2402

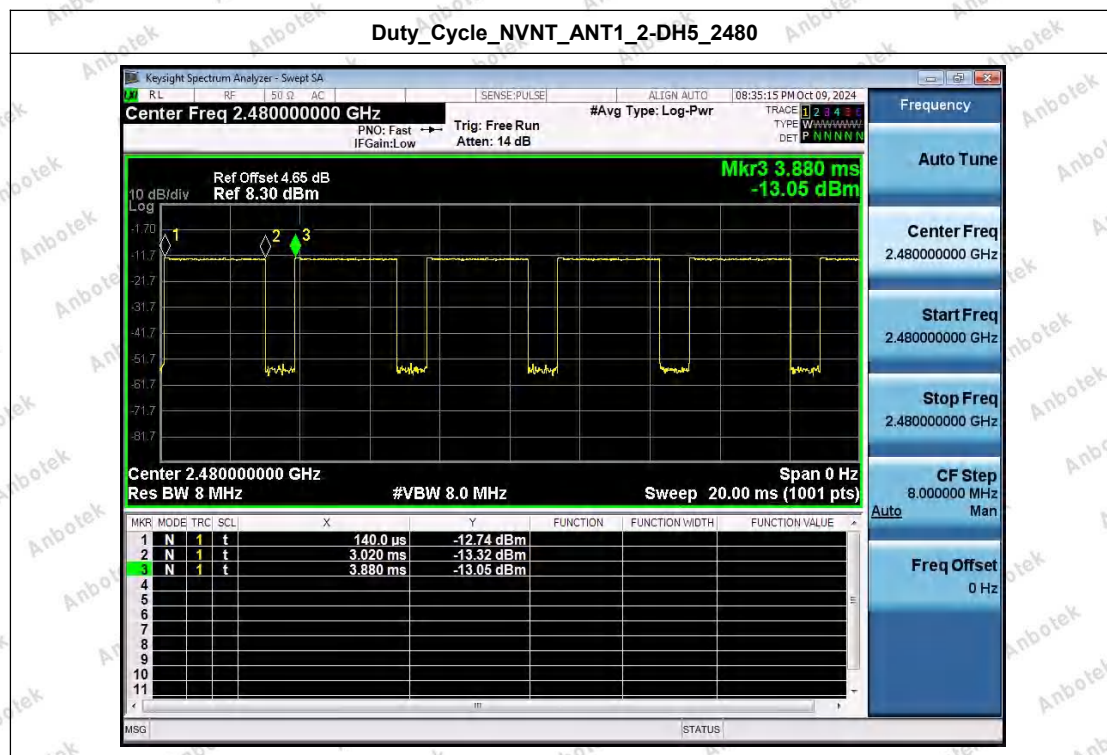


Duty_Cycle_NVNT_ANT1_2-DH5_2441



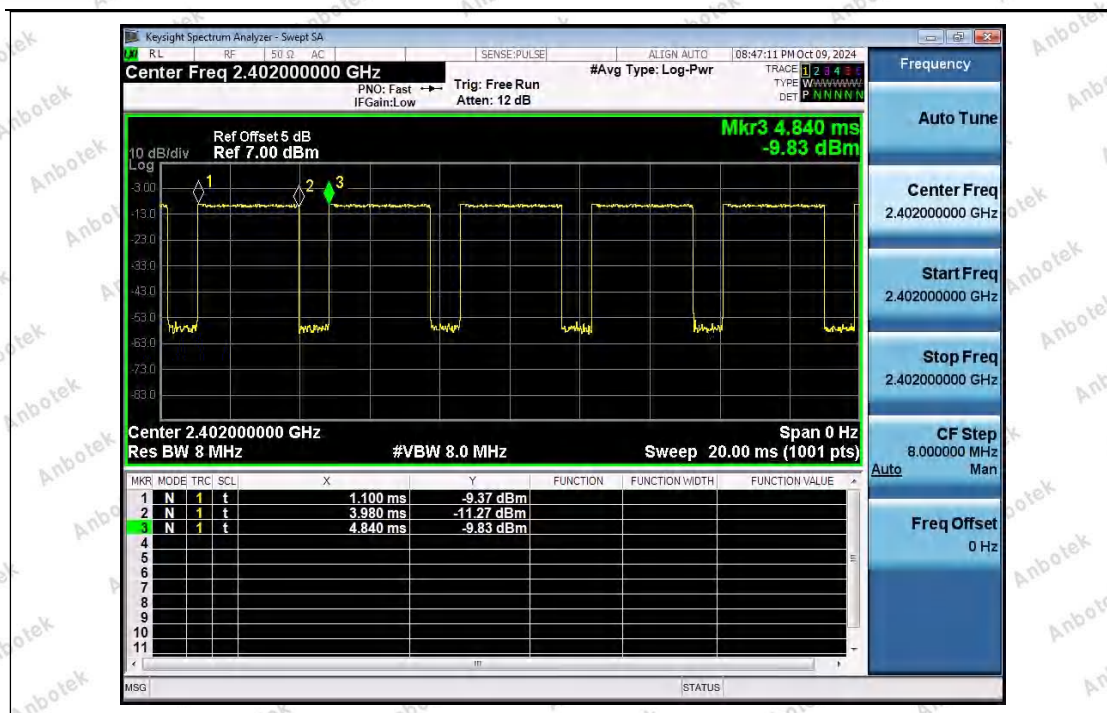


Duty_Cycle_NVNT_ANT1_2-DH5_2480

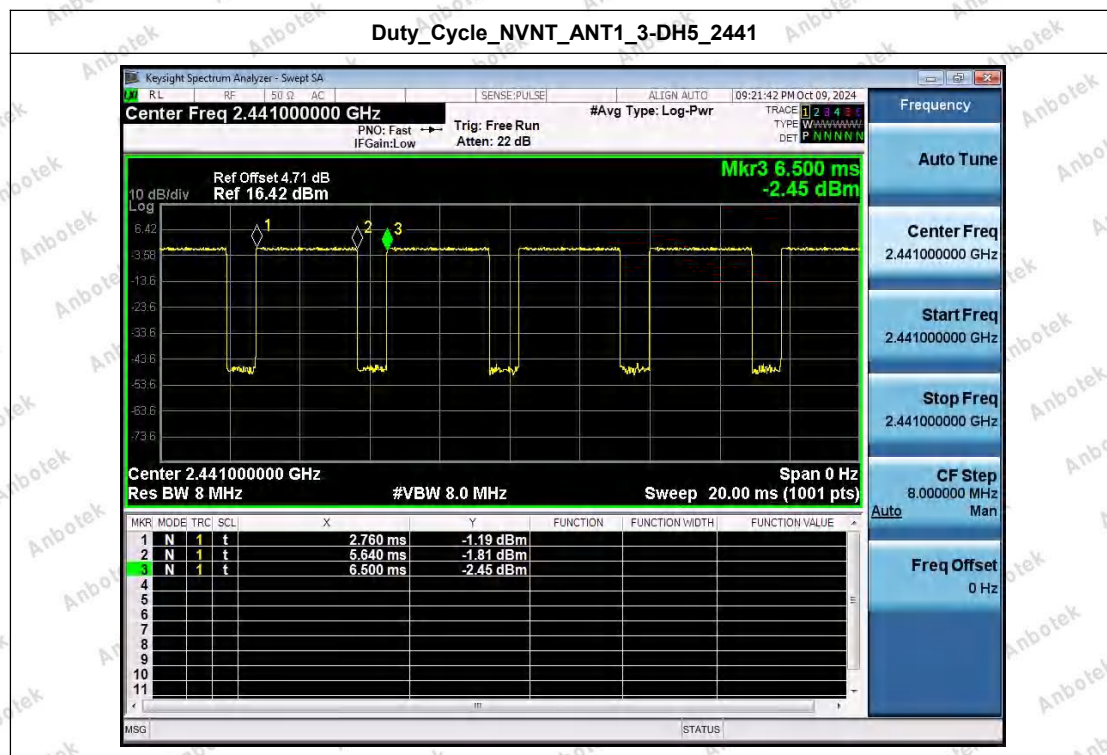


Duty_Cycle_NVNT_ANT1_3-DH5_2402



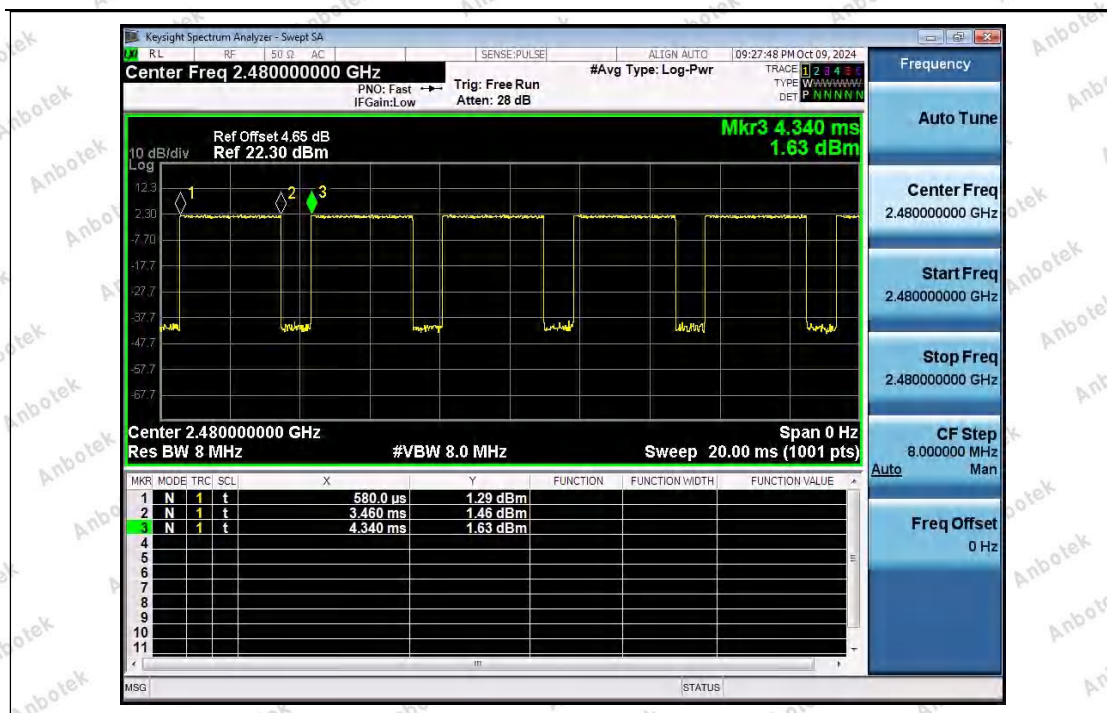


Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480





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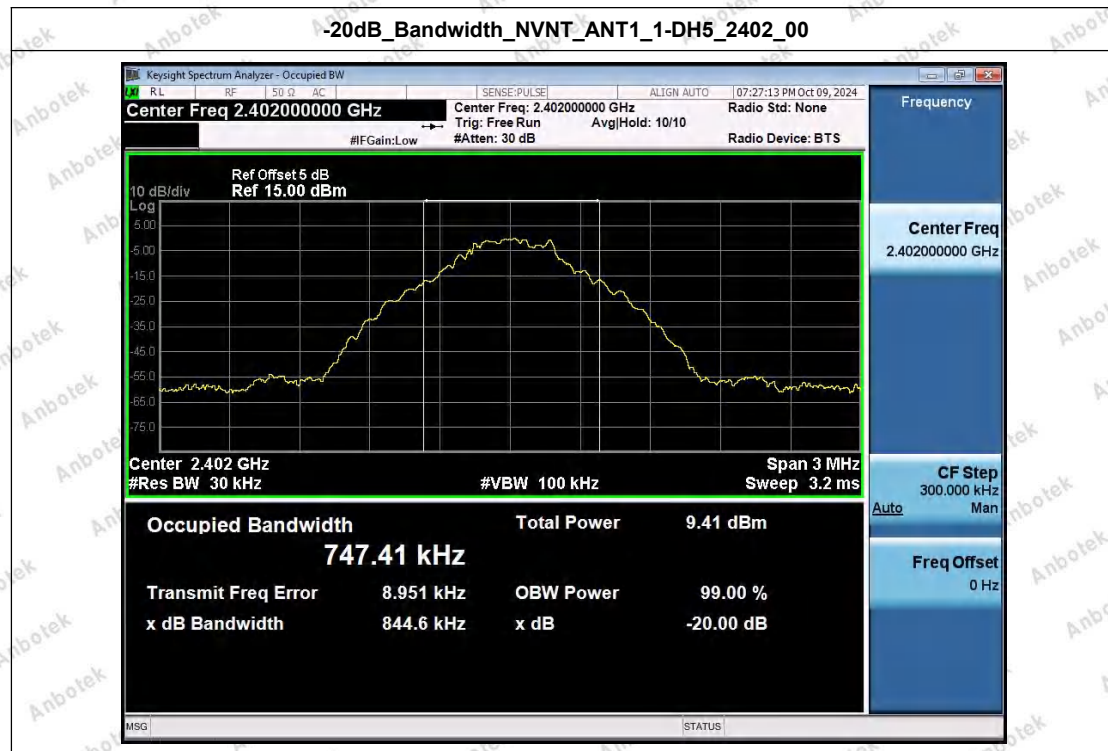
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Appendix B: -20dB Bandwidth

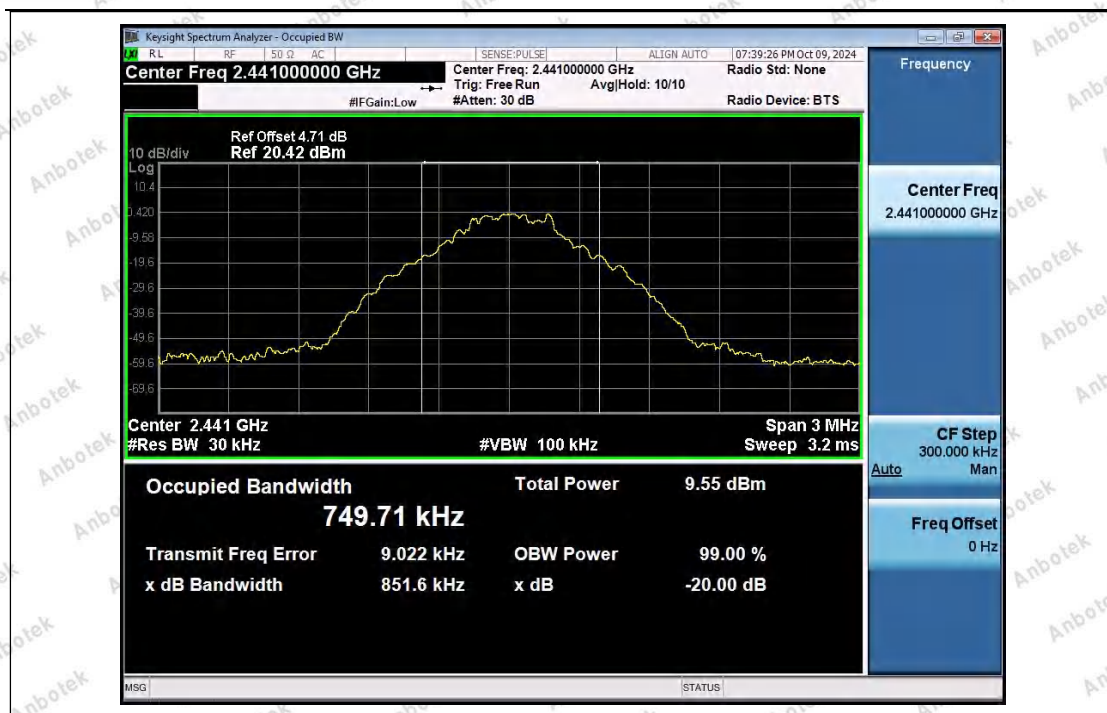
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.845	No
NVNT	ANT1	1-DH5	2441.00	0.852	No
NVNT	ANT1	1-DH5	2480.00	0.849	No
NVNT	ANT1	2-DH5	2402.00	1.273	Yes
NVNT	ANT1	2-DH5	2441.00	1.267	Yes
NVNT	ANT1	2-DH5	2480.00	1.276	Yes
NVNT	ANT1	3-DH5	2402.00	1.280	Yes
NVNT	ANT1	3-DH5	2441.00	1.267	Yes
NVNT	ANT1	3-DH5	2480.00	1.271	Yes

-20dB_Bandwidth_NVNT_ANT1_1-DH5_2402_00

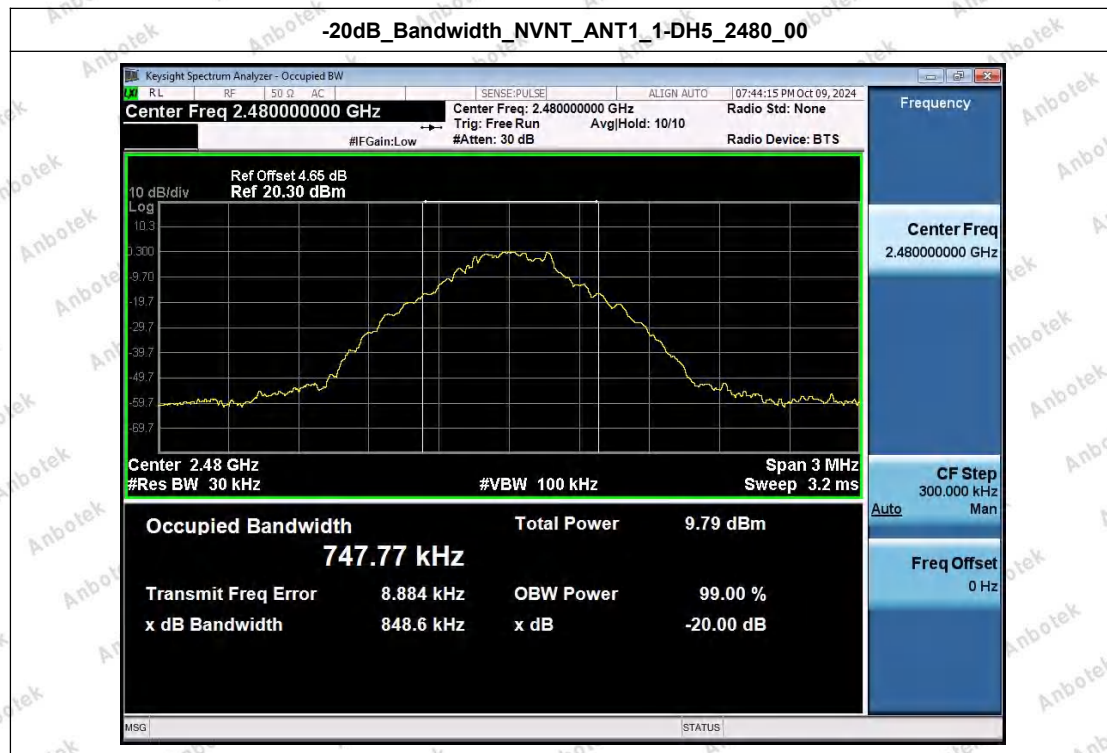


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00





-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00



-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00

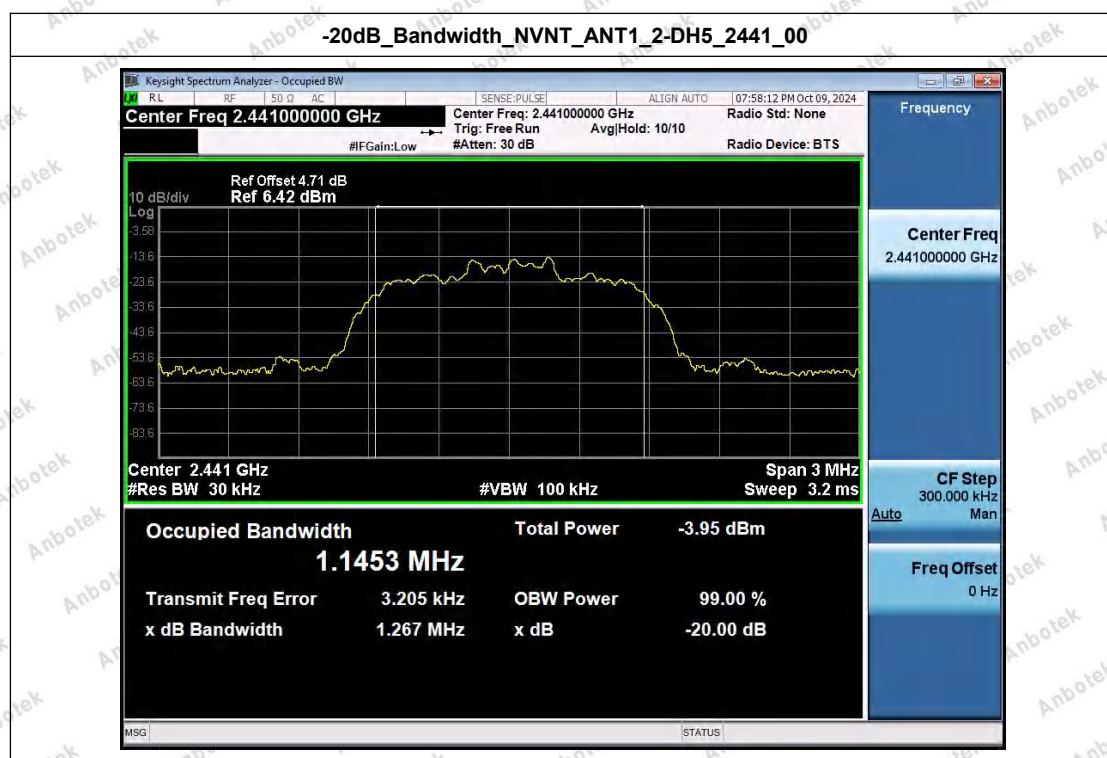
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-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00

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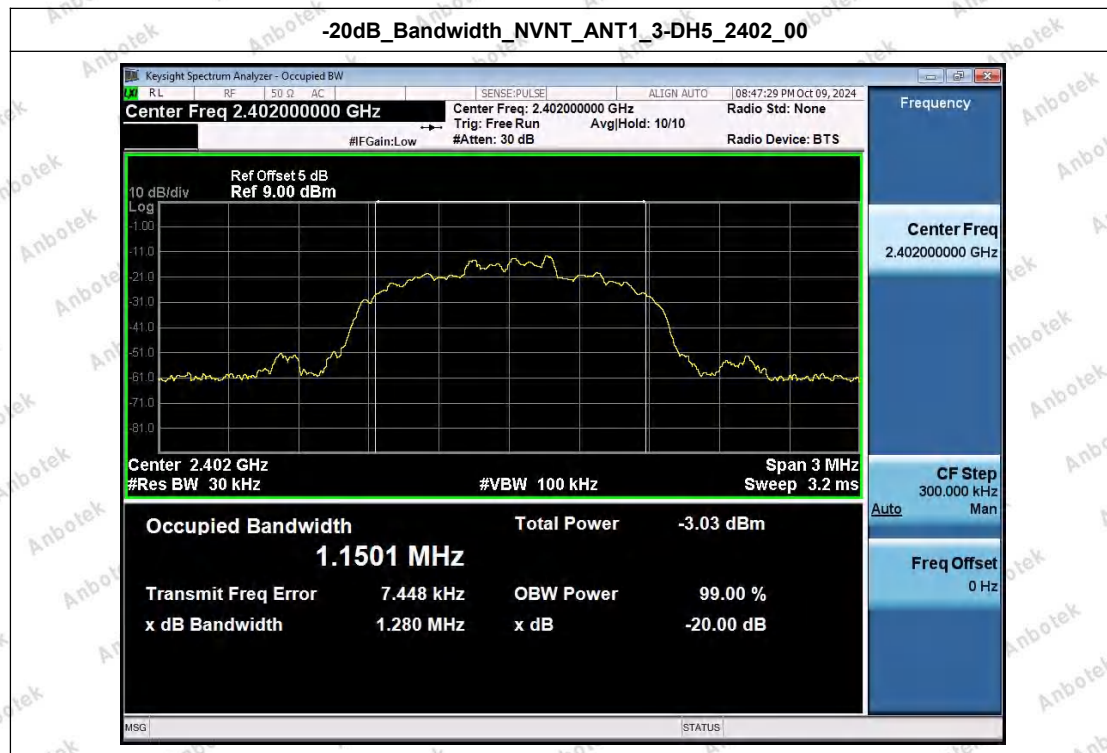


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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00

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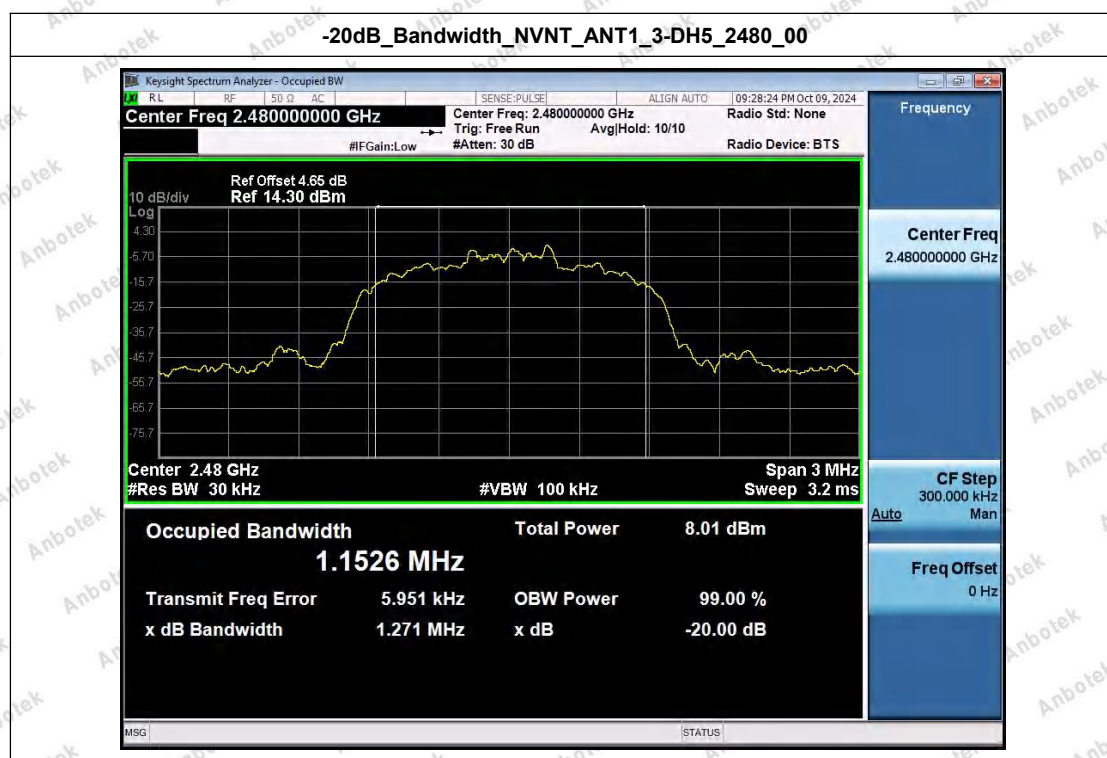
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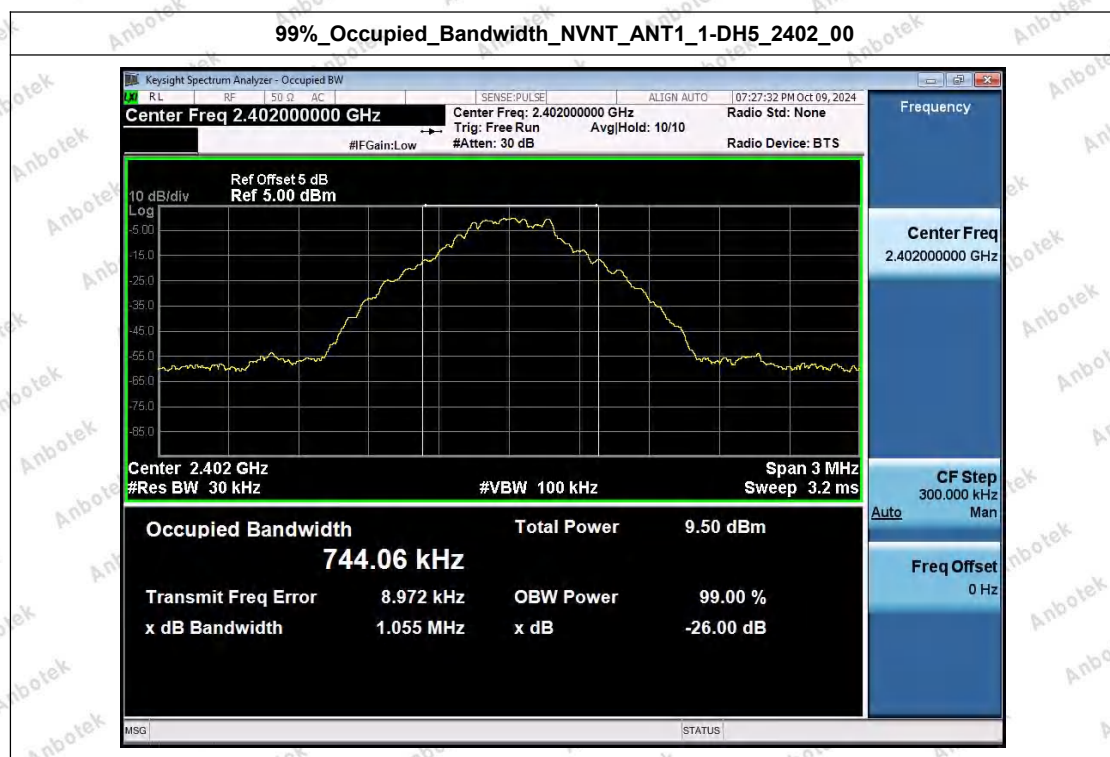
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Appendix C: 99% Occupied Bandwidth

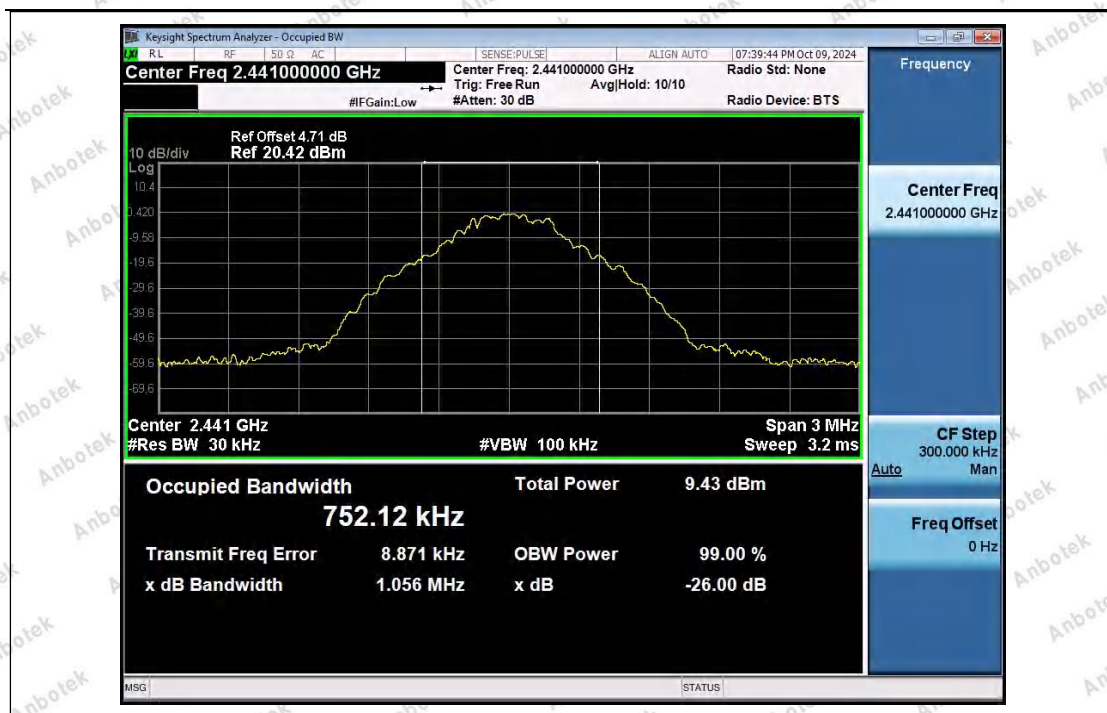
Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.744
NVNT	ANT1	1-DH5	2441.00	0.752
NVNT	ANT1	1-DH5	2480.00	0.745
NVNT	ANT1	2-DH5	2402.00	1.148
NVNT	ANT1	2-DH5	2441.00	1.147
NVNT	ANT1	2-DH5	2480.00	1.154
NVNT	ANT1	3-DH5	2402.00	1.152
NVNT	ANT1	3-DH5	2441.00	1.151
NVNT	ANT1	3-DH5	2480.00	1.151

99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00

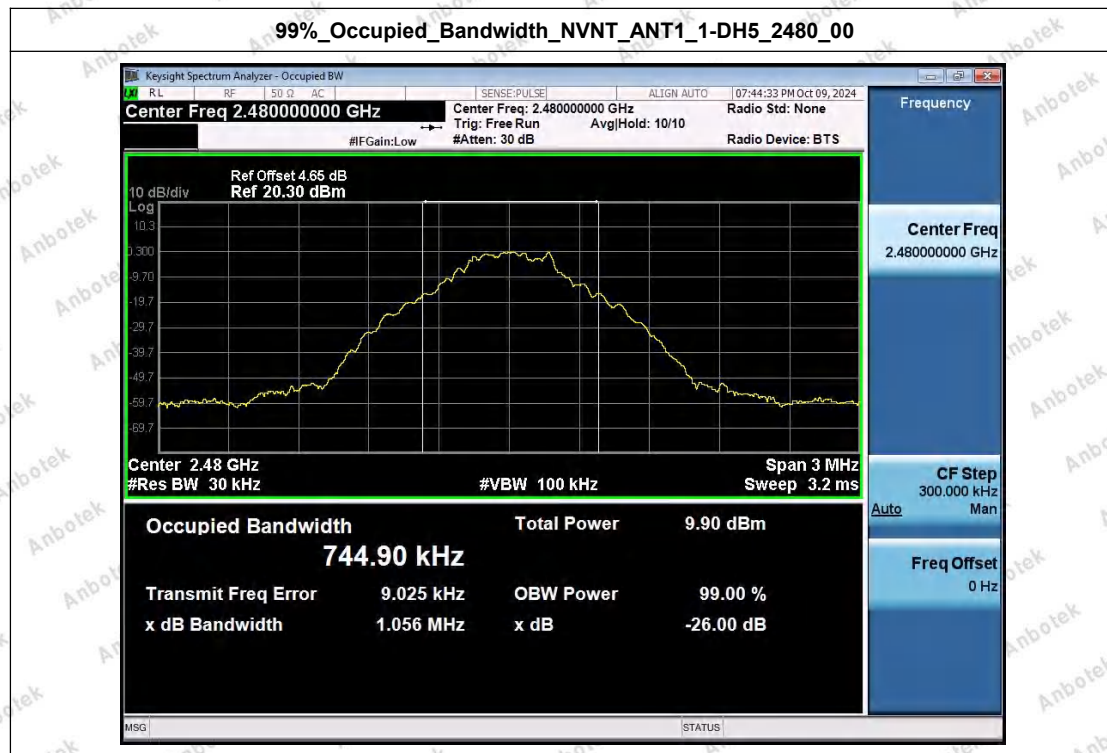


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00





99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00

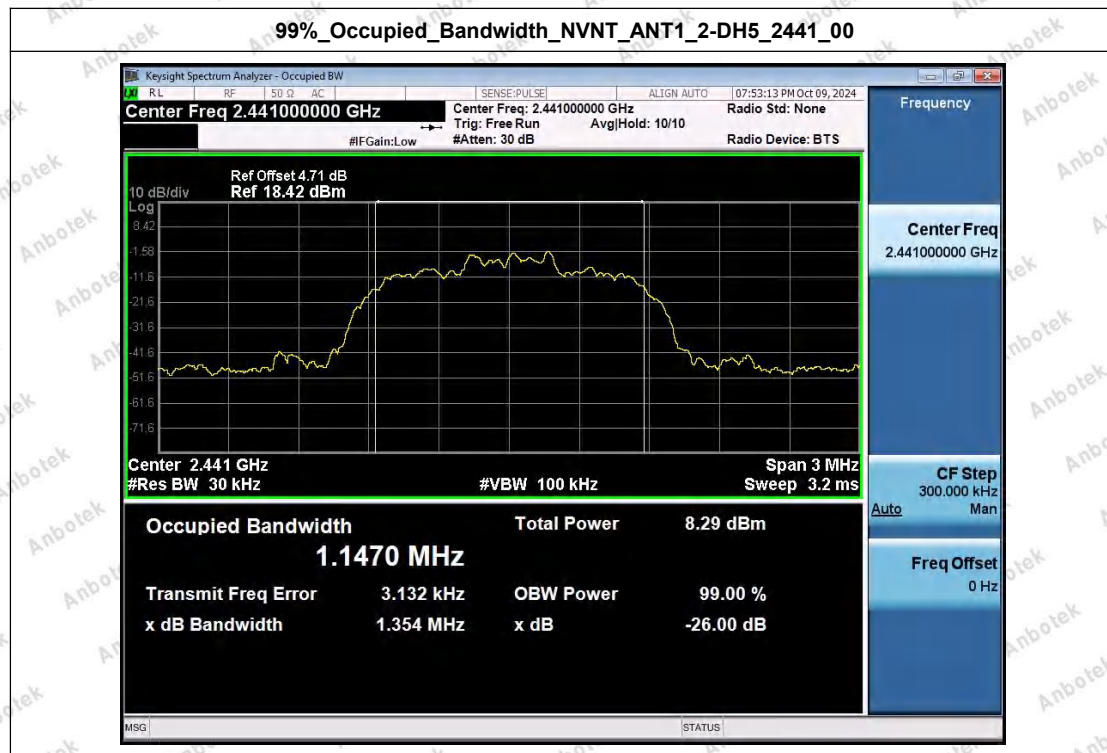


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00





99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00

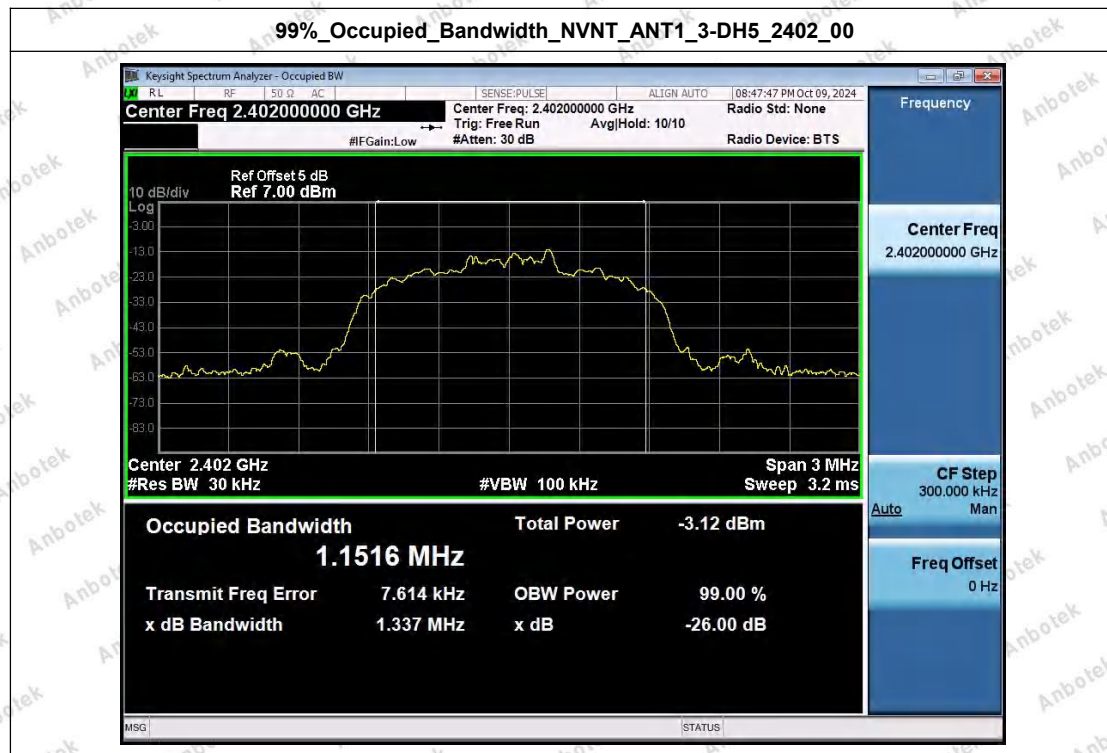


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



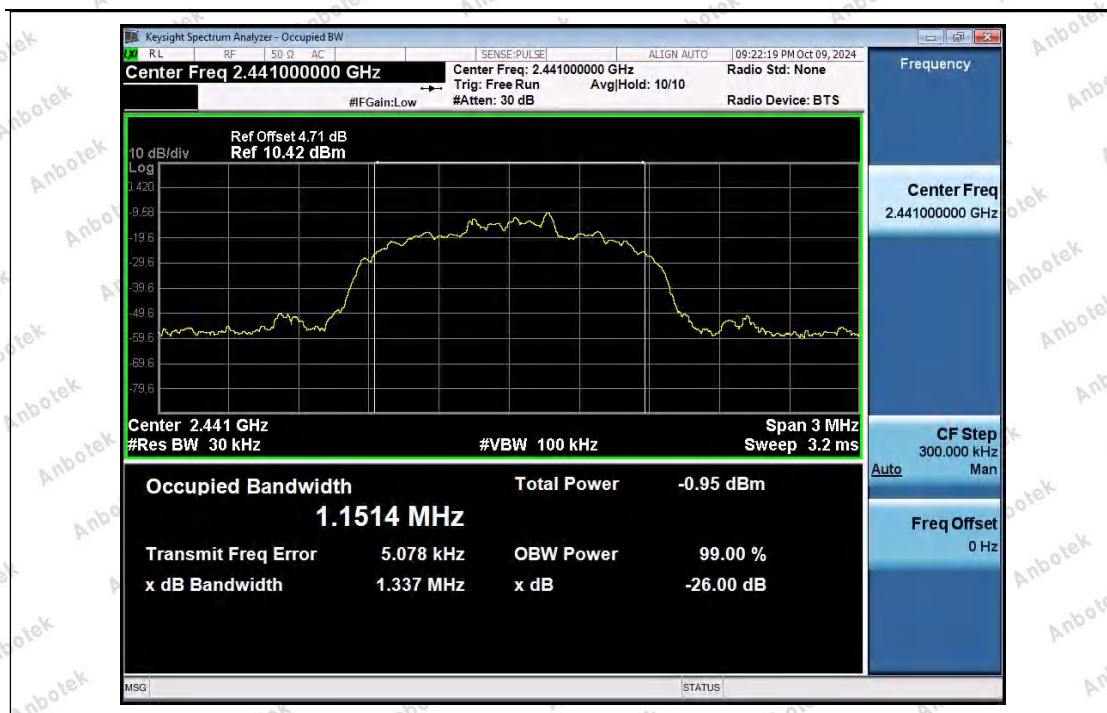


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00

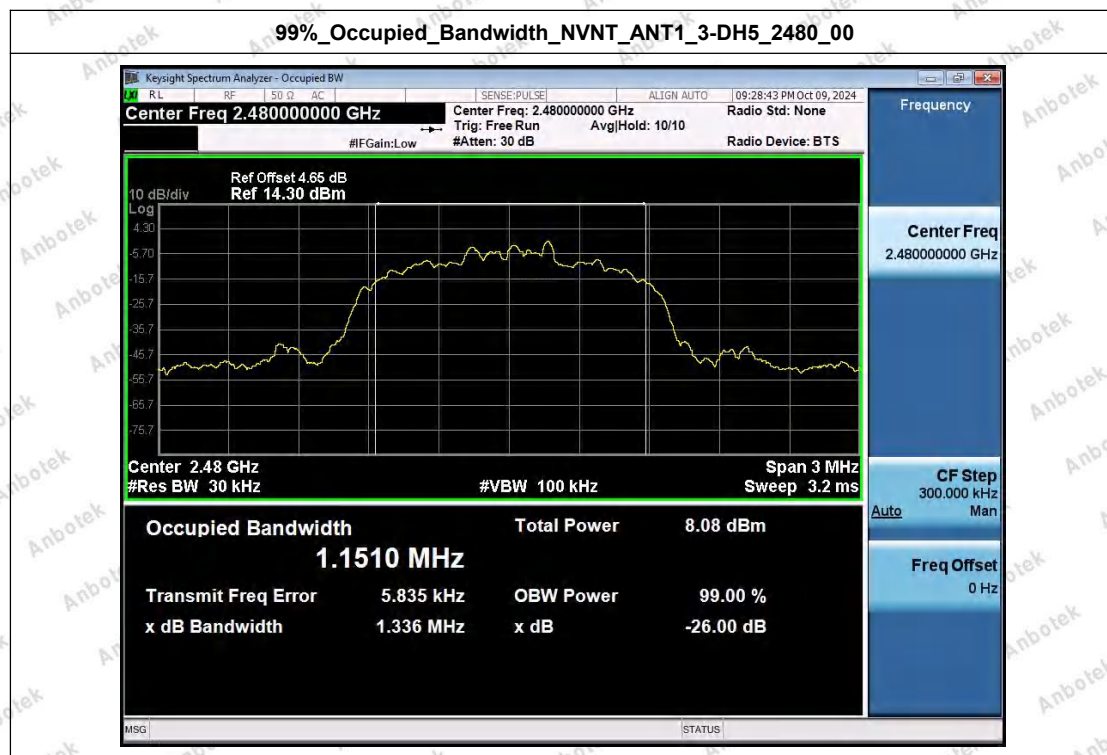


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00





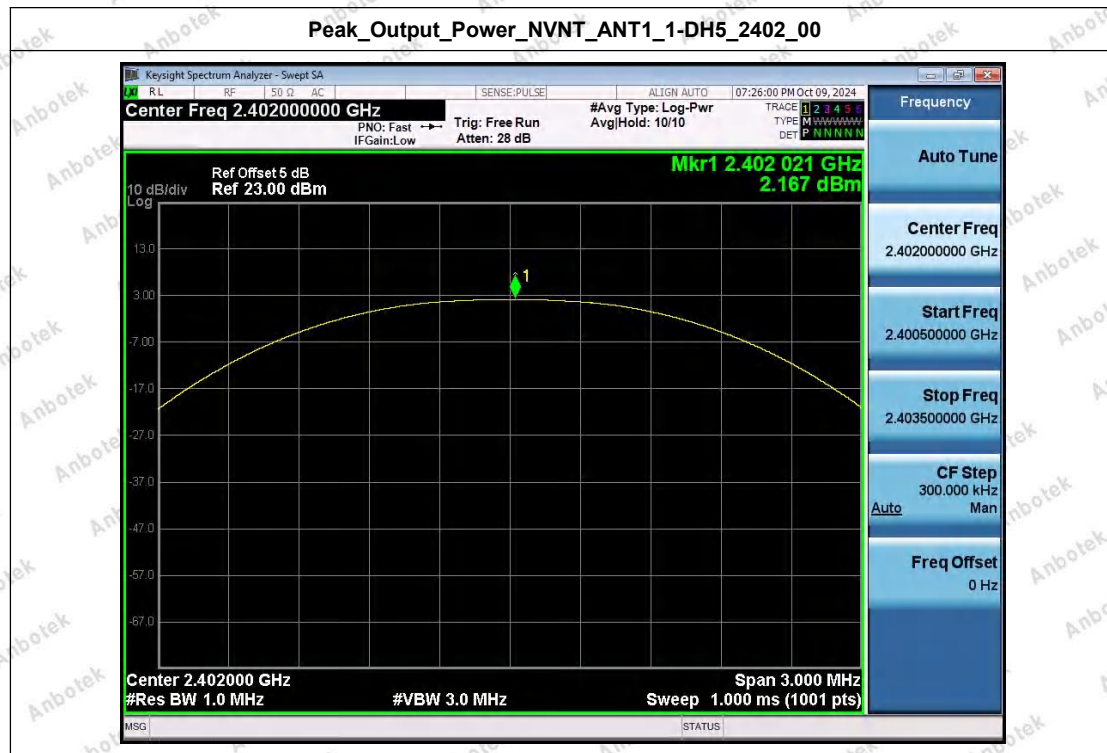
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00



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	2.17	1.65	125	Pass
NVNT	ANT1	1-DH5	2441.00	2.34	1.71	125	Pass
NVNT	ANT1	1-DH5	2480.00	2.72	1.87	125	Pass
NVNT	ANT1	2-DH5	2402.00	1.78	1.51	125	Pass
NVNT	ANT1	2-DH5	2441.00	1.75	1.49	125	Pass
NVNT	ANT1	2-DH5	2480.00	2.12	1.63	125	Pass
NVNT	ANT1	3-DH5	2402.00	1.56	1.43	125	Pass
NVNT	ANT1	3-DH5	2441.00	1.52	1.42	125	Pass
NVNT	ANT1	3-DH5	2480.00	1.69	1.48	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00

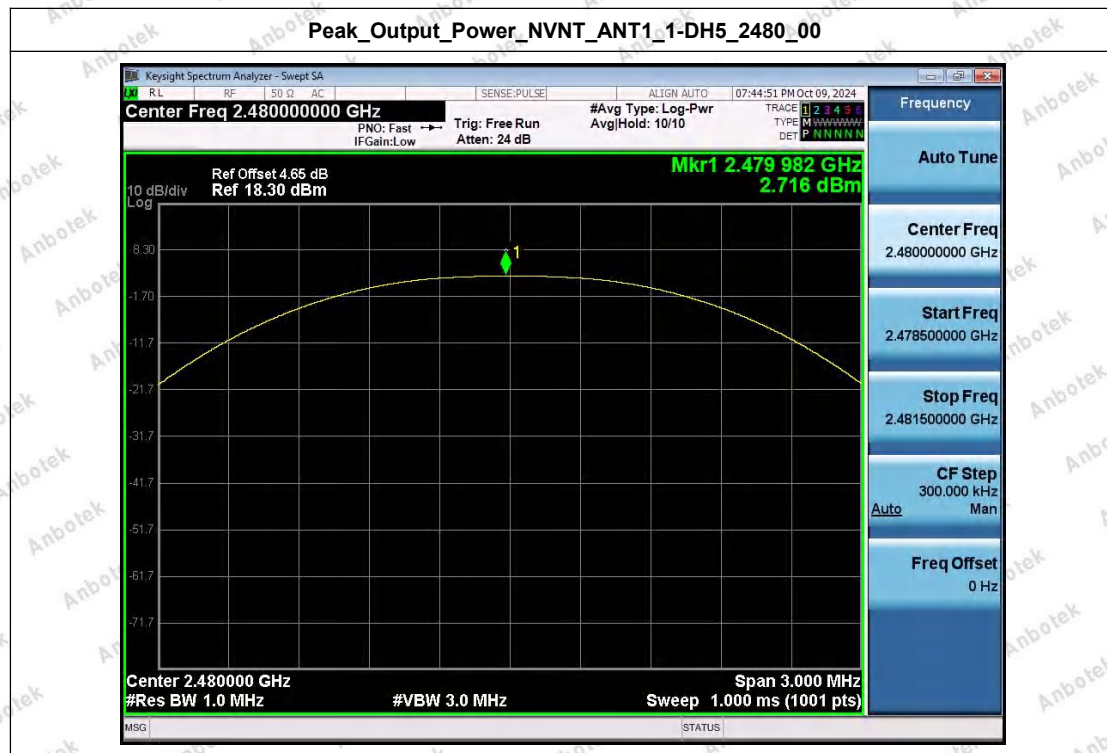


Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00

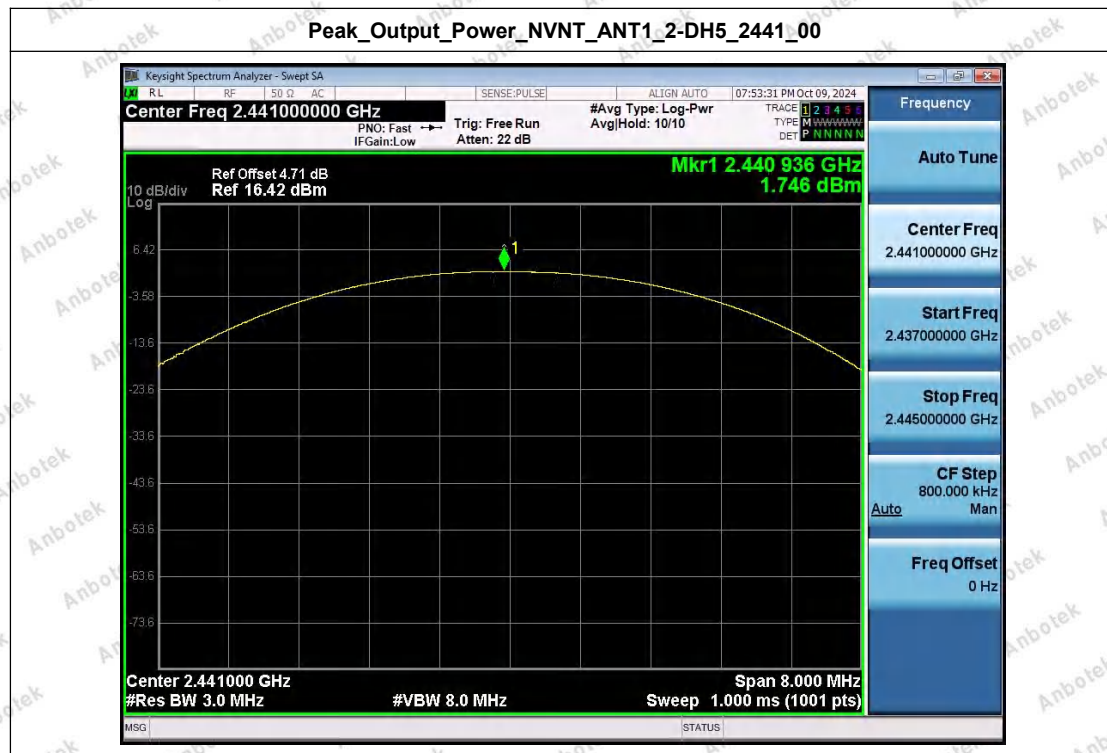


Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00





Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00

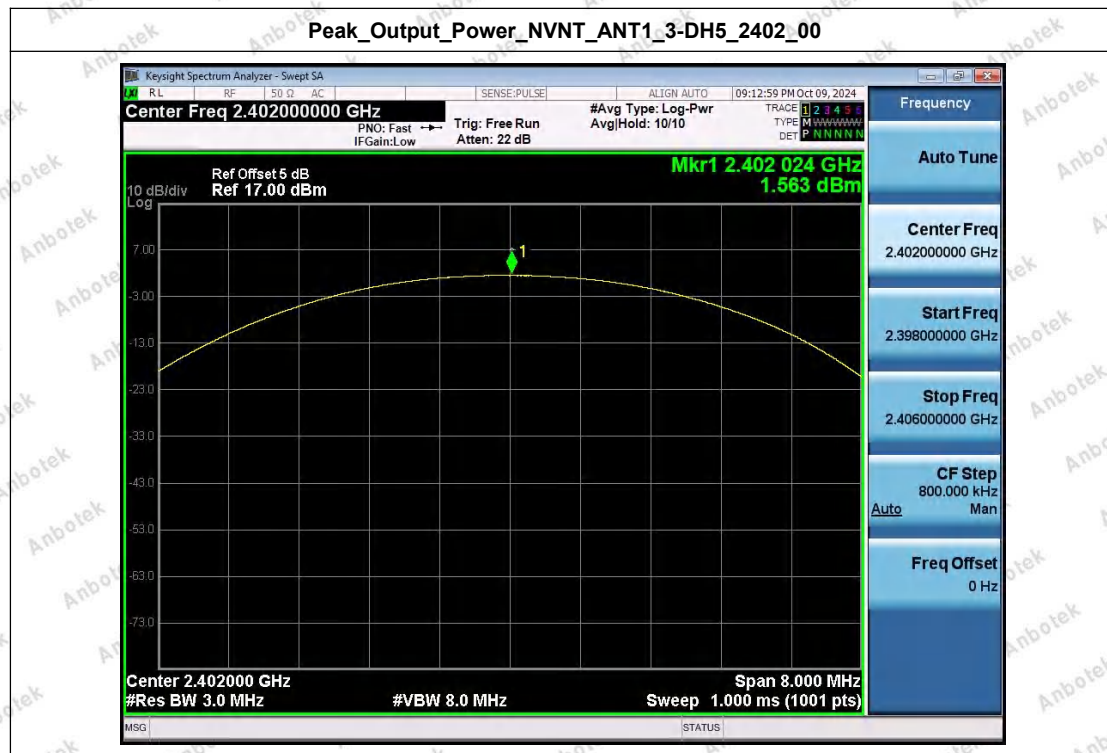


Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00

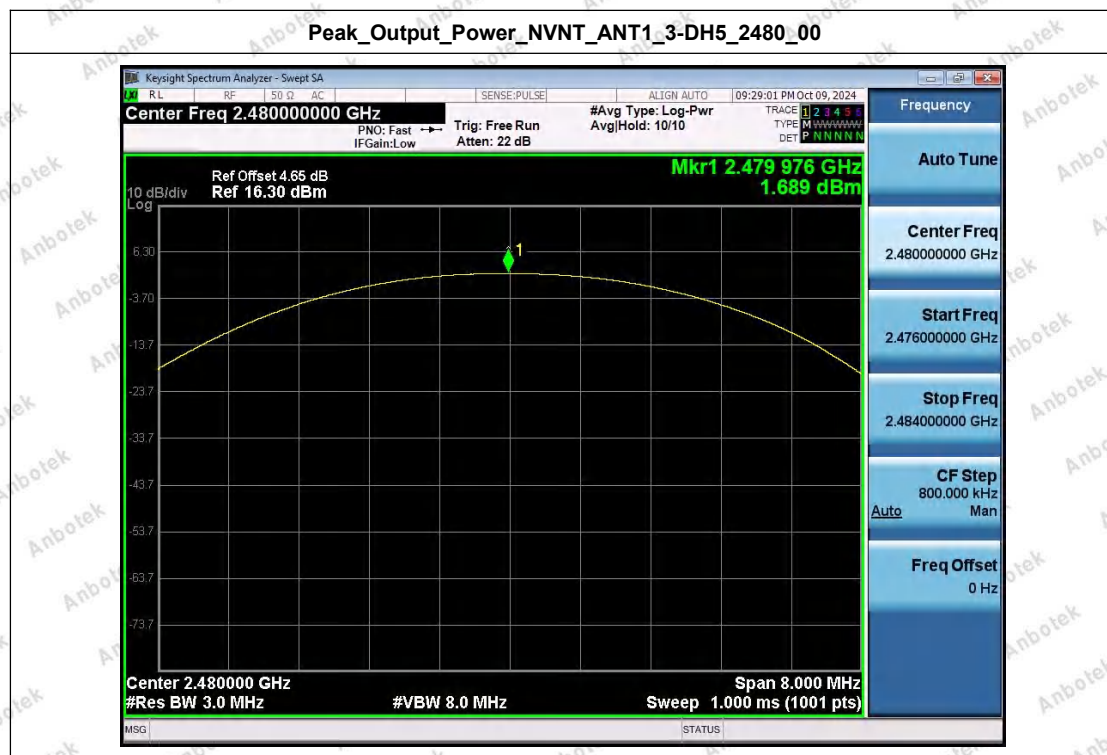


Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Spurious Emissions

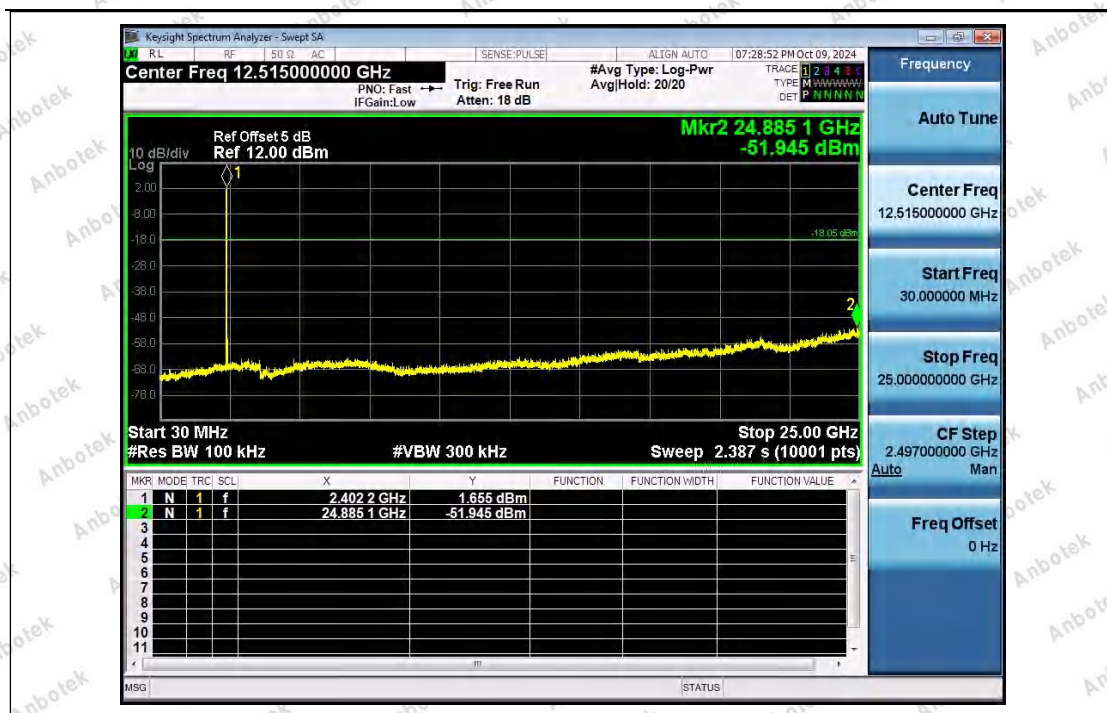
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-51.945	-18.051	Pass
NVNT	ANT1	1-DH5	2441.00	-46.450	-18.132	Pass
NVNT	ANT1	1-DH5	2480.00	-47.028	-17.719	Pass
NVNT	ANT1	2-DH5	2402.00	-52.046	-18.594	Pass
NVNT	ANT1	2-DH5	2441.00	-52.540	-18.562	Pass
NVNT	ANT1	2-DH5	2480.00	-45.852	-18.163	Pass
NVNT	ANT1	3-DH5	2402.00	-50.989	-18.907	Pass
NVNT	ANT1	3-DH5	2441.00	-52.295	-18.960	Pass
NVNT	ANT1	3-DH5	2480.00	-52.822	-18.625	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

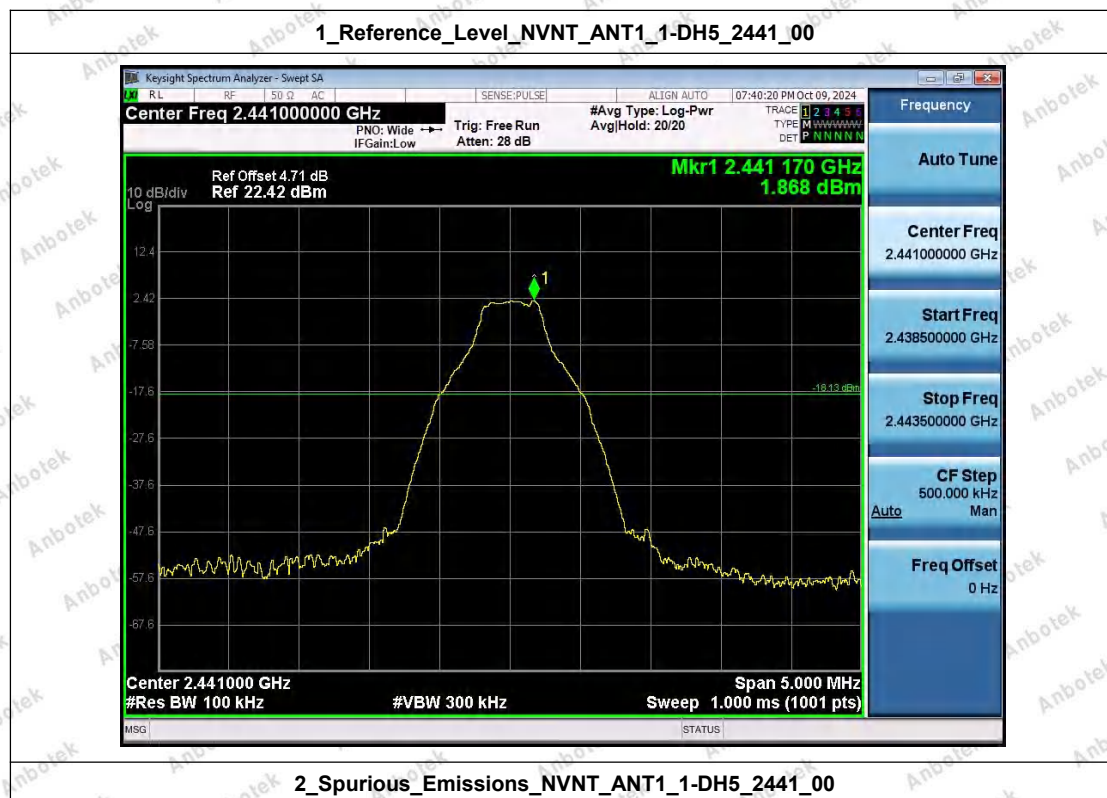


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00





1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00

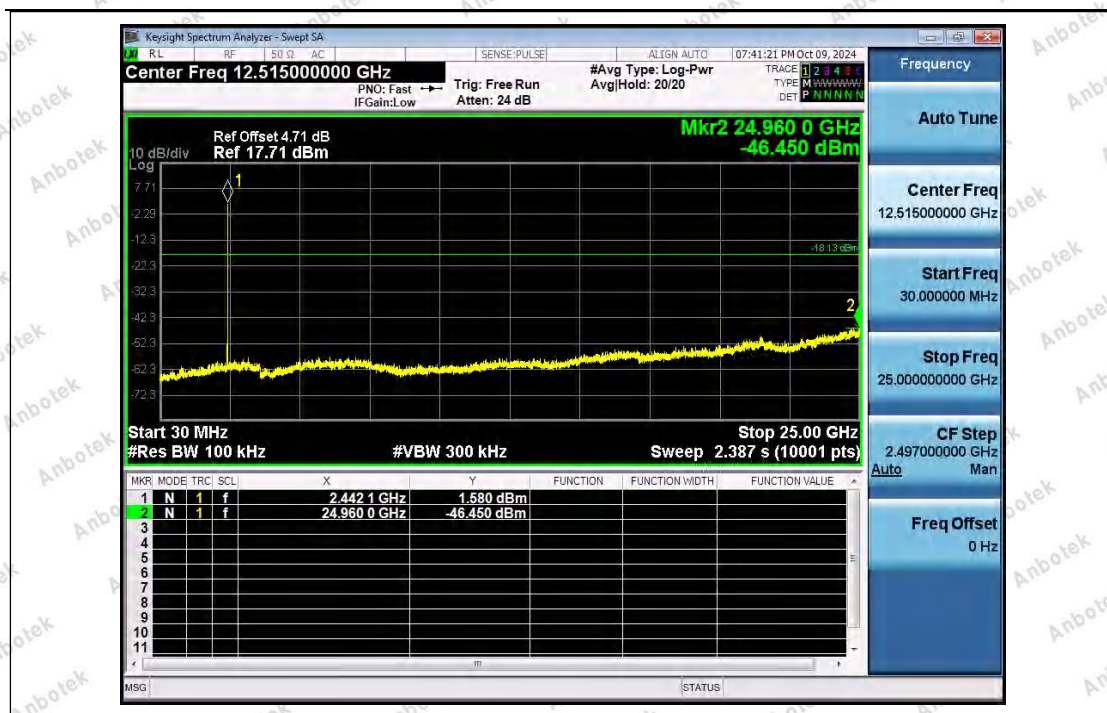
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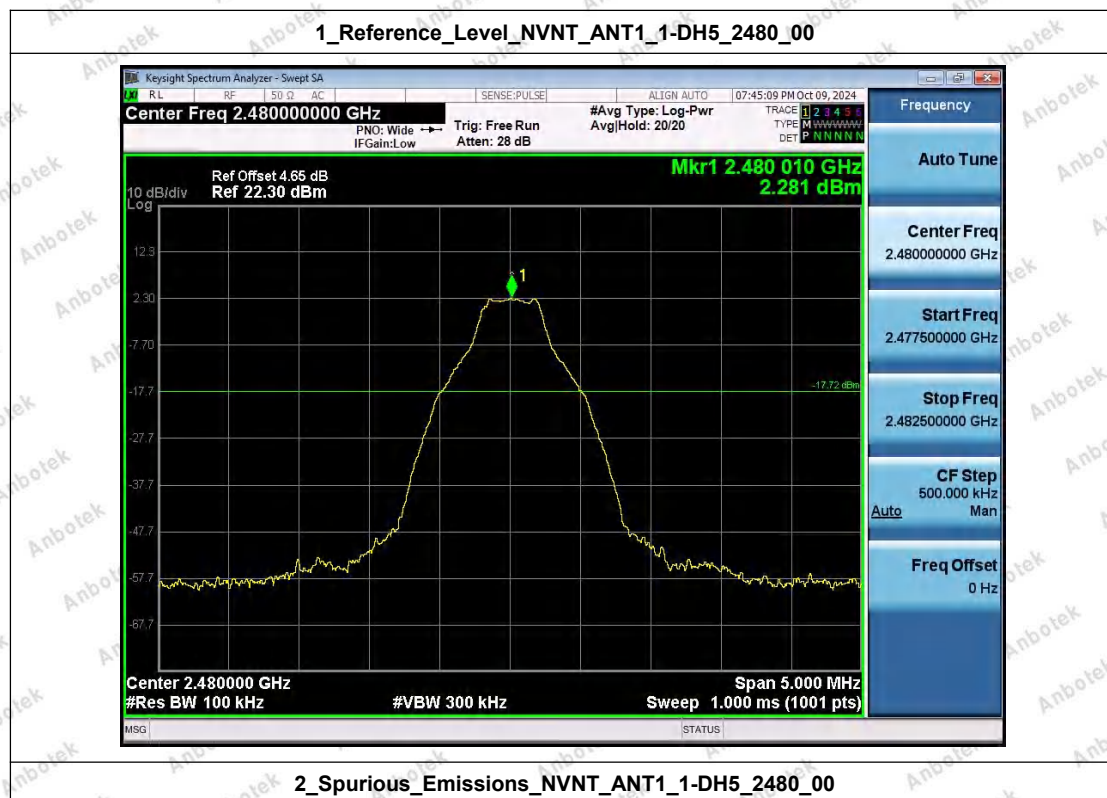


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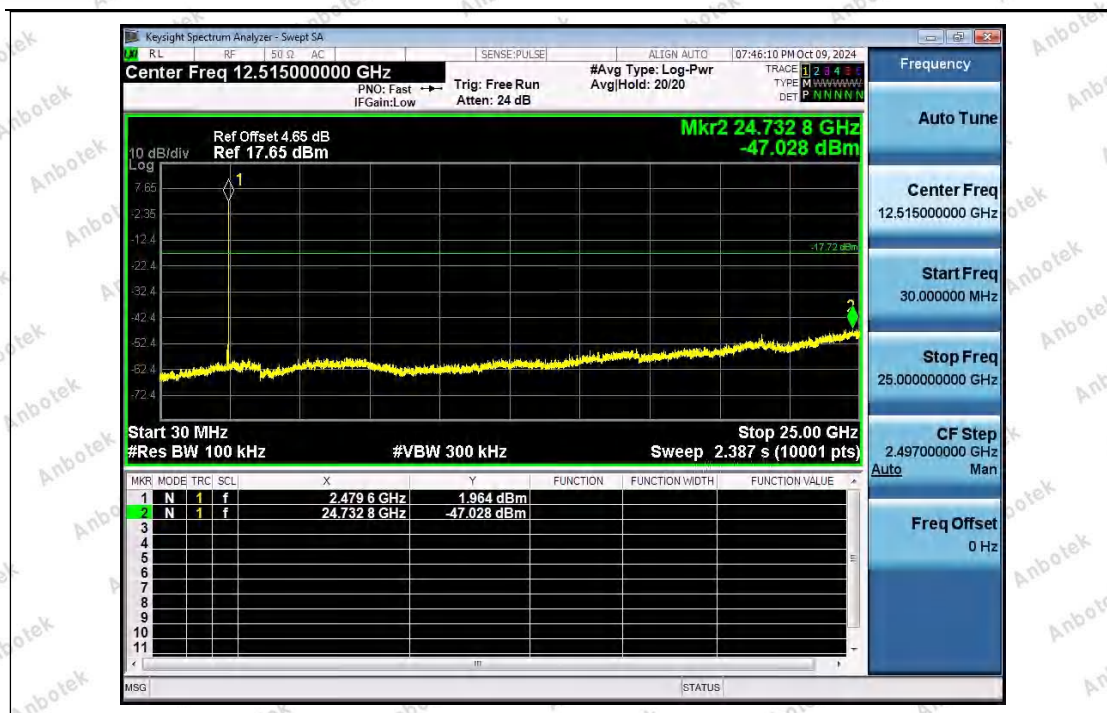


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

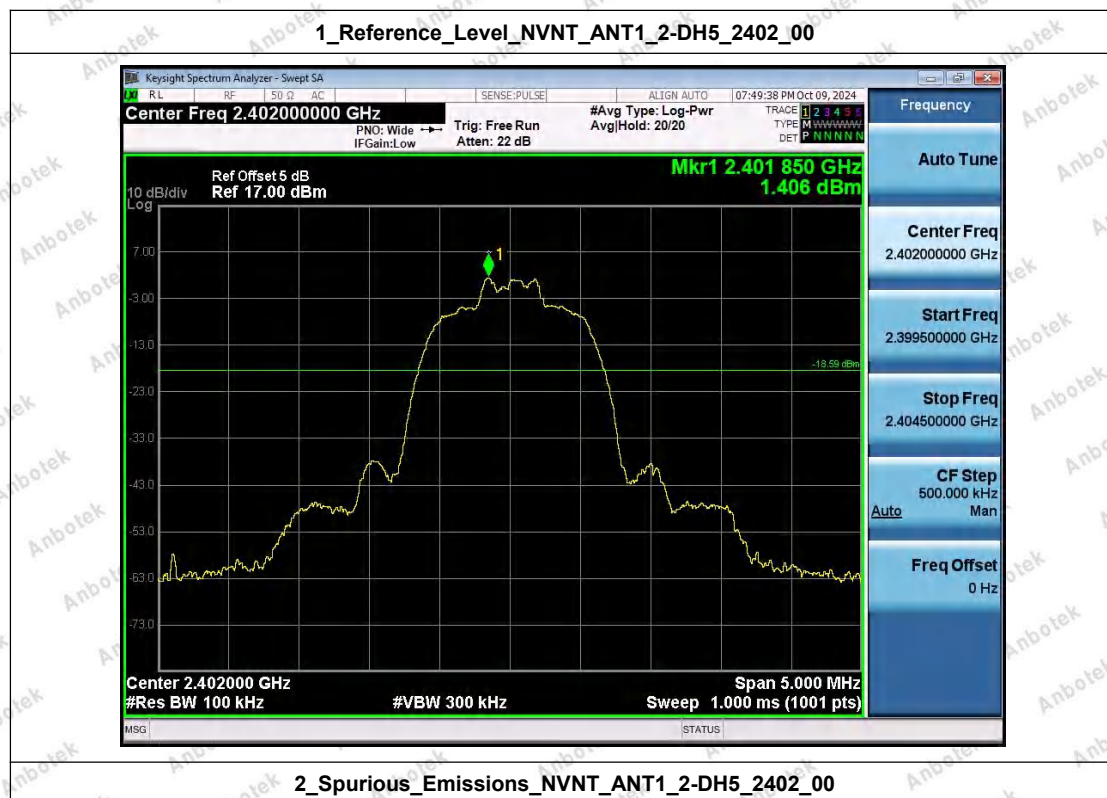


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



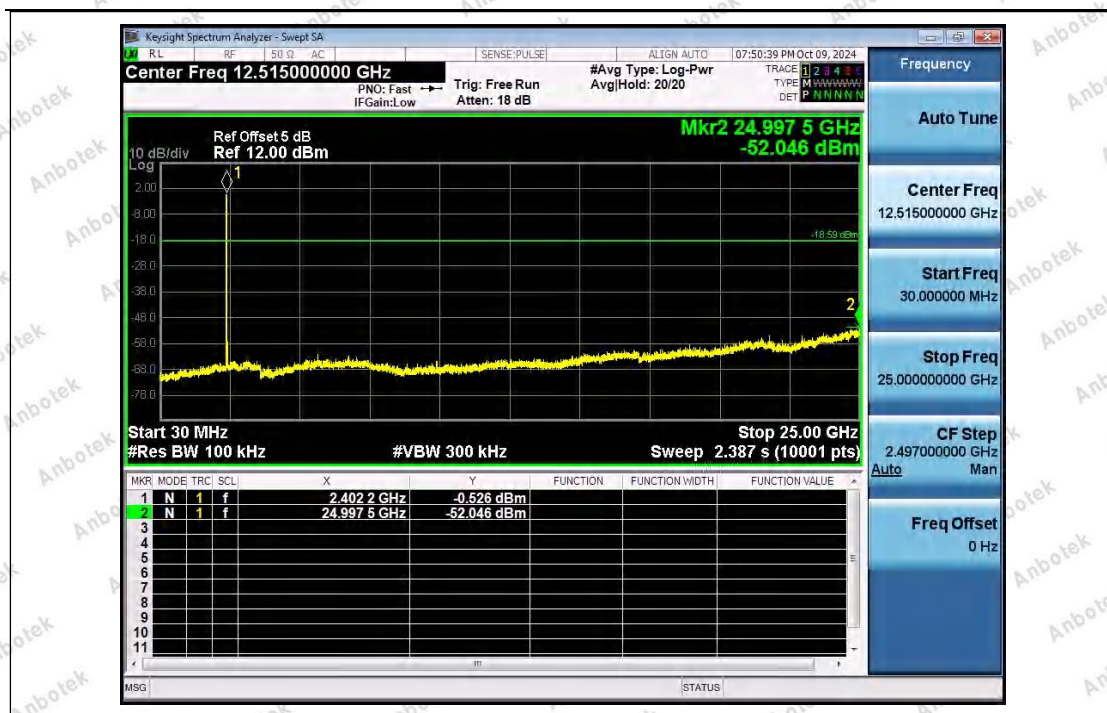


1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

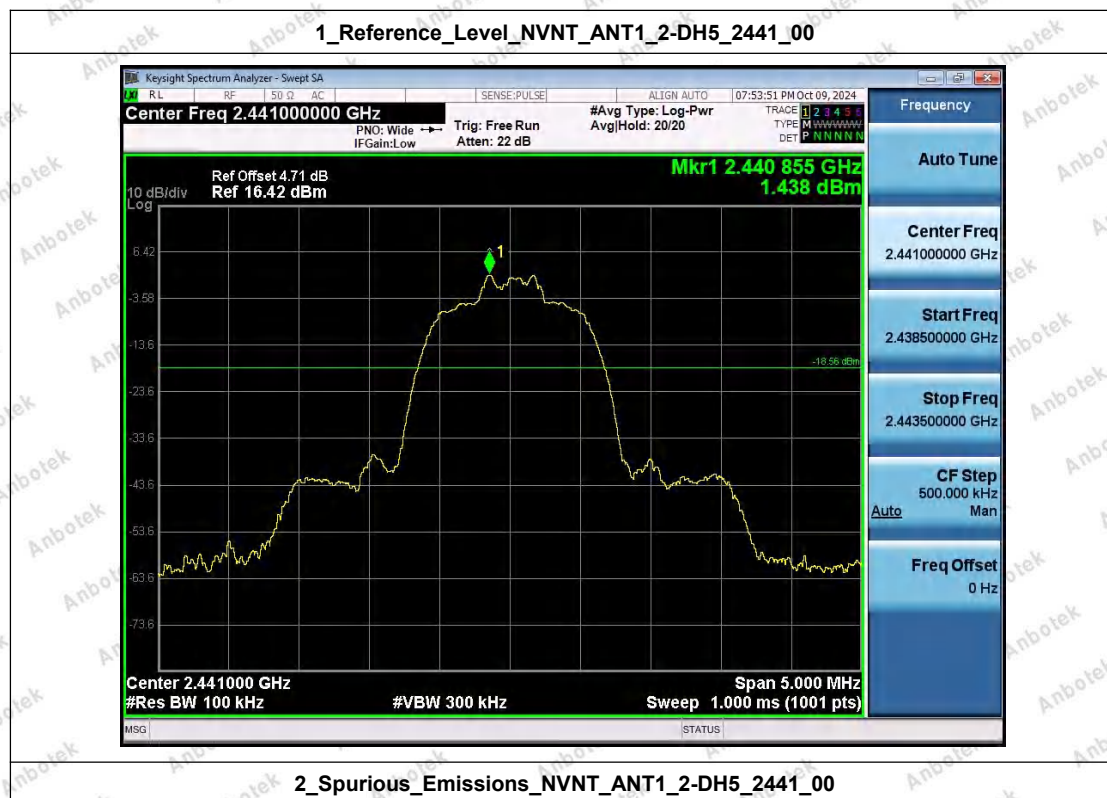


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



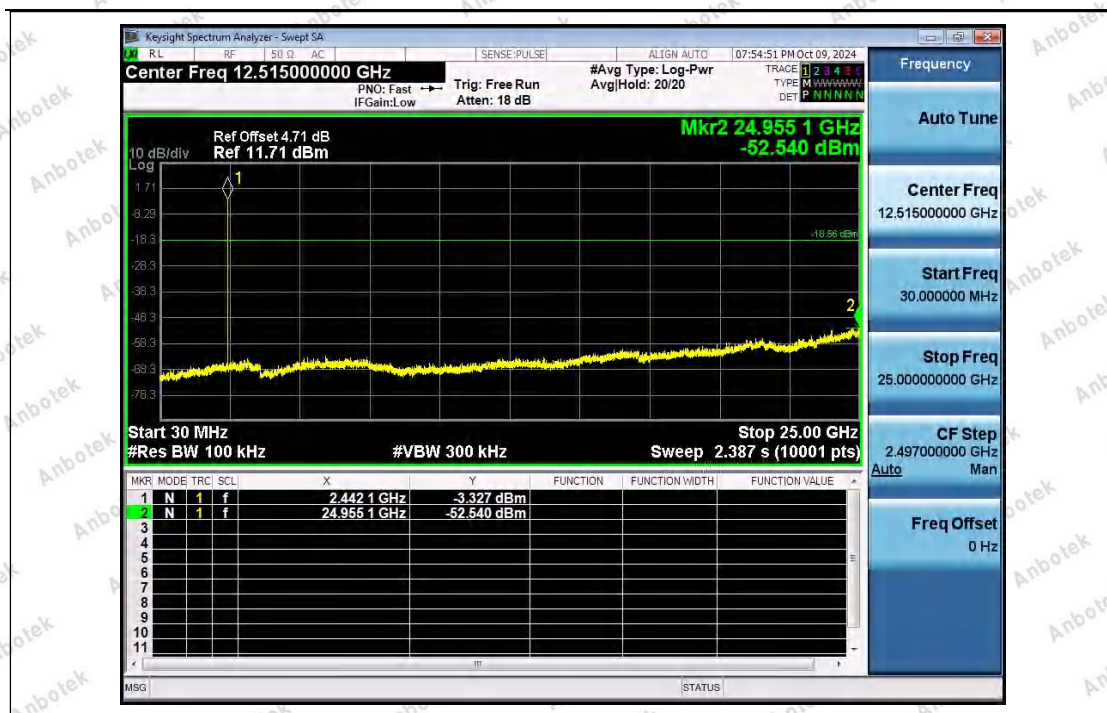


1_Reference_Level_NVNT_ANT1_2-DH5_2441_00

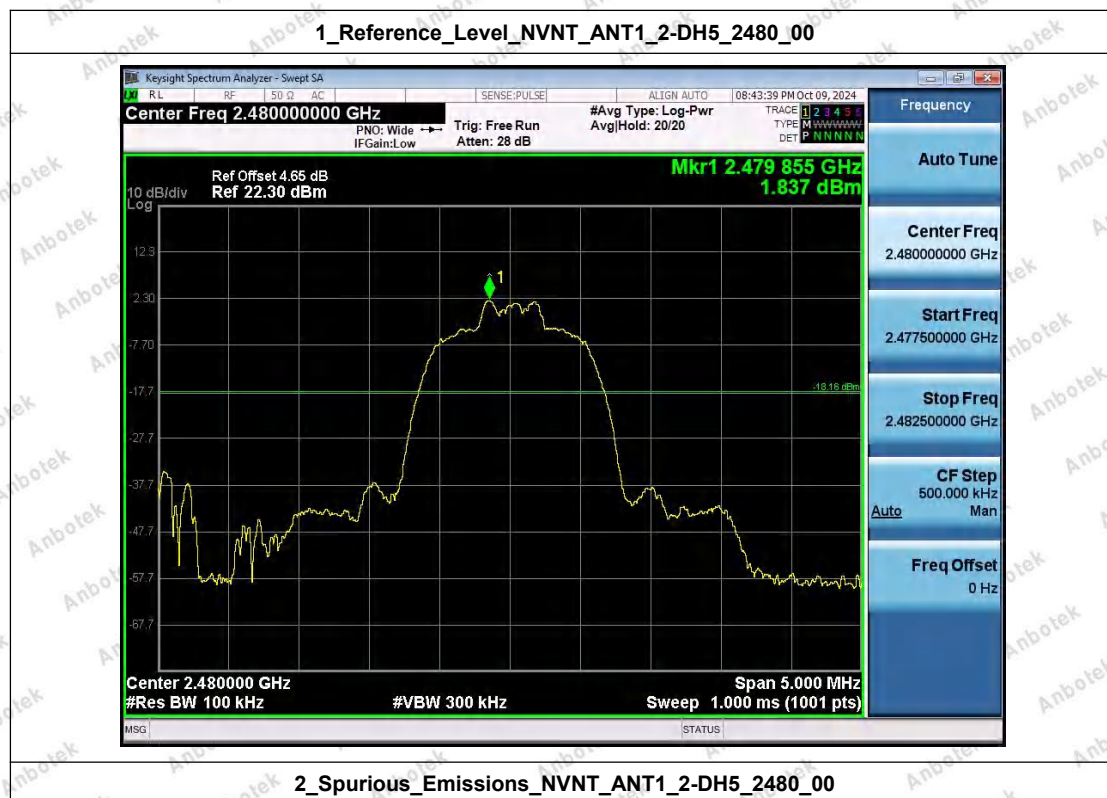


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00



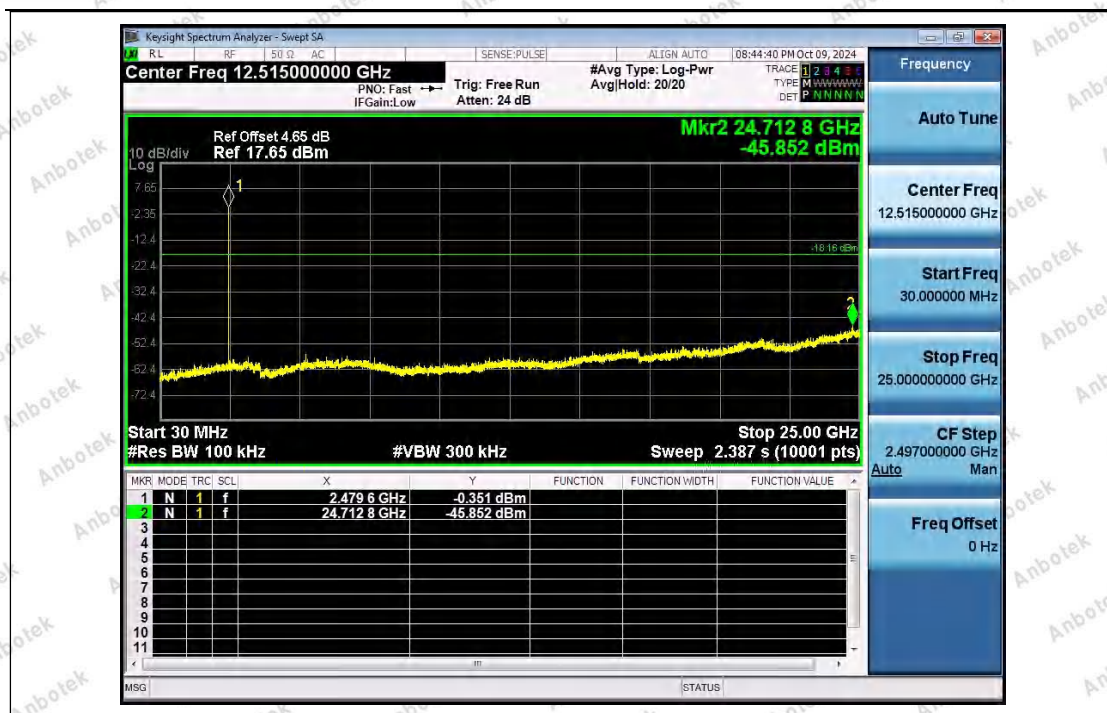


1_Reference_Level_NVNT_ANT1_2-DH5_2480_00

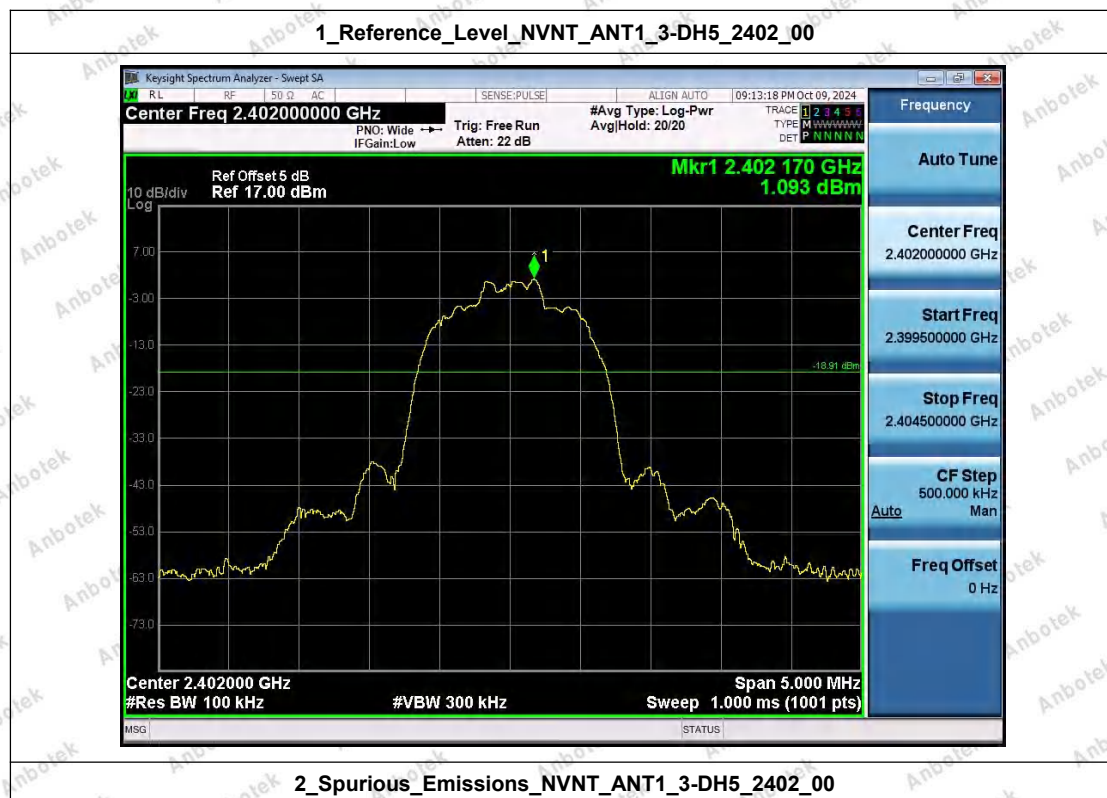


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



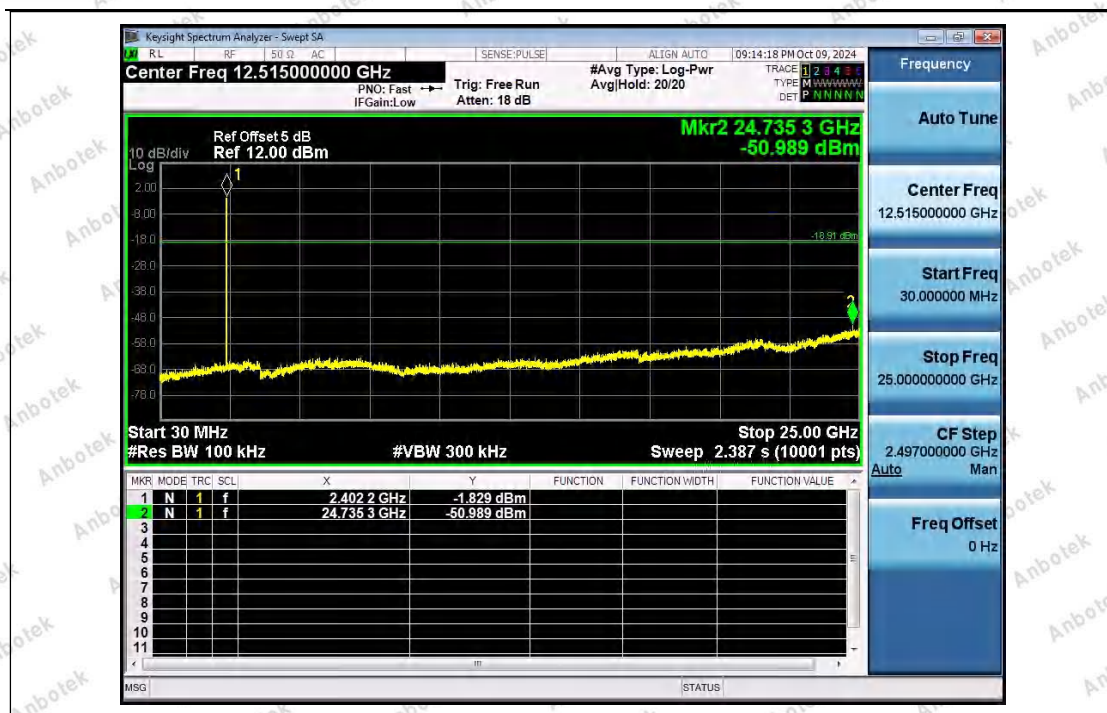


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

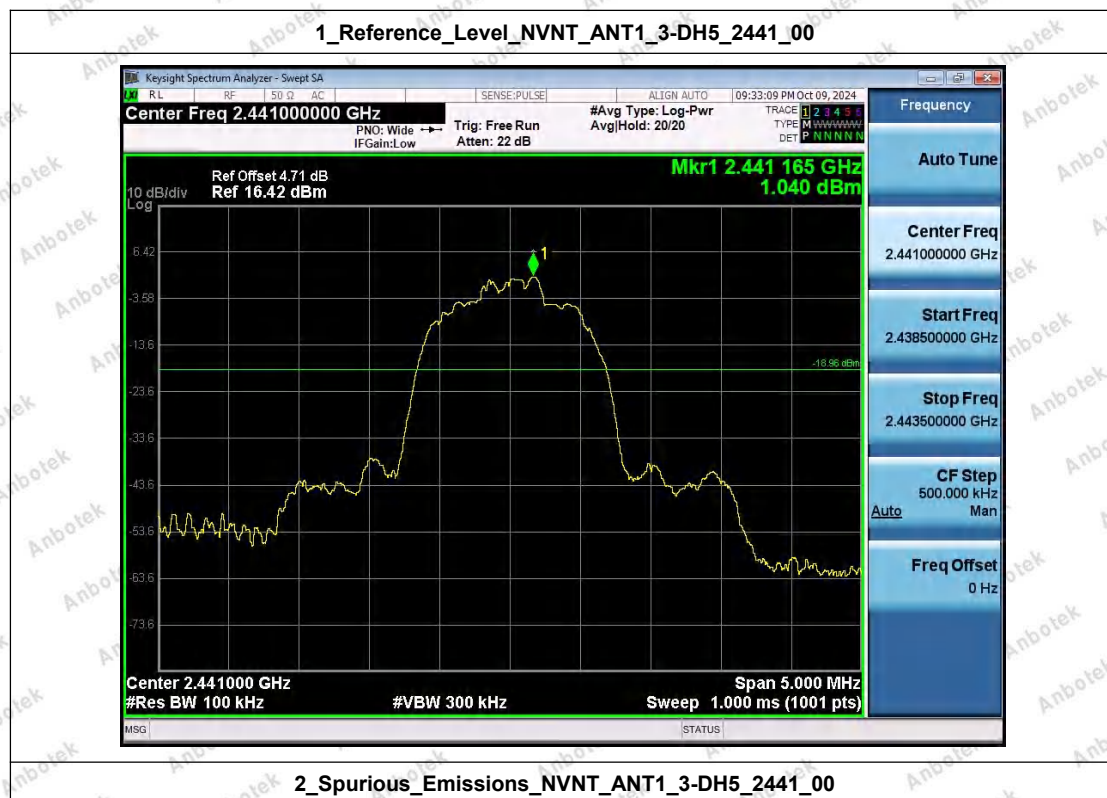


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00



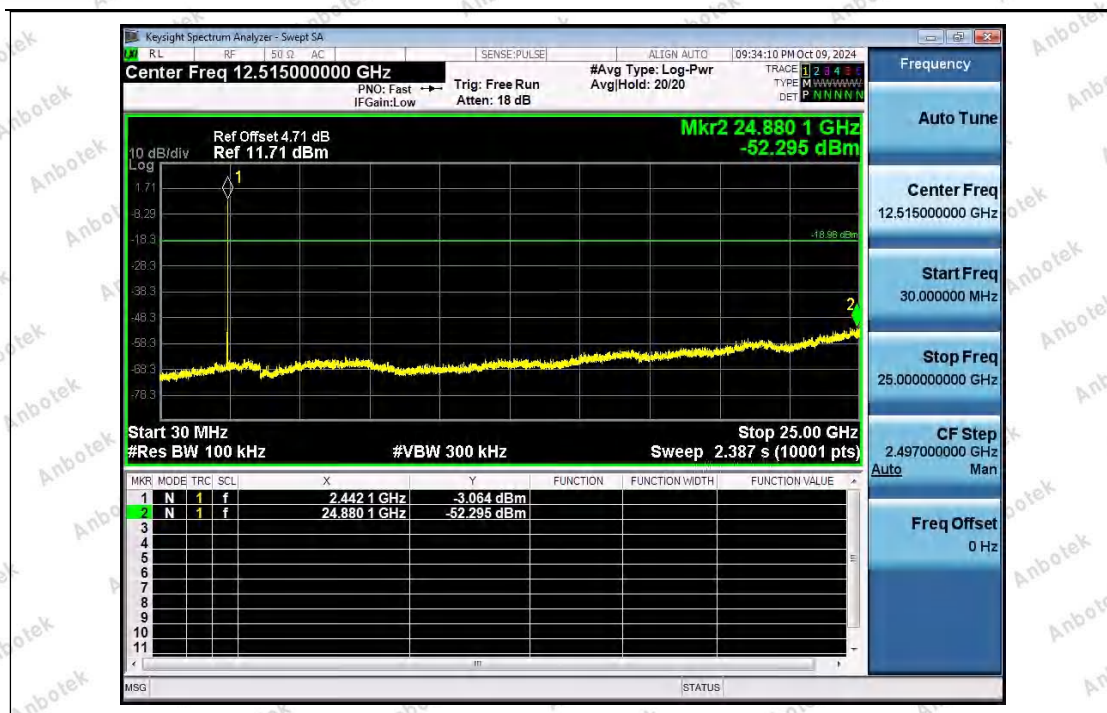


1_Reference_Level_NVNT_ANT1_3-DH5_2441_00

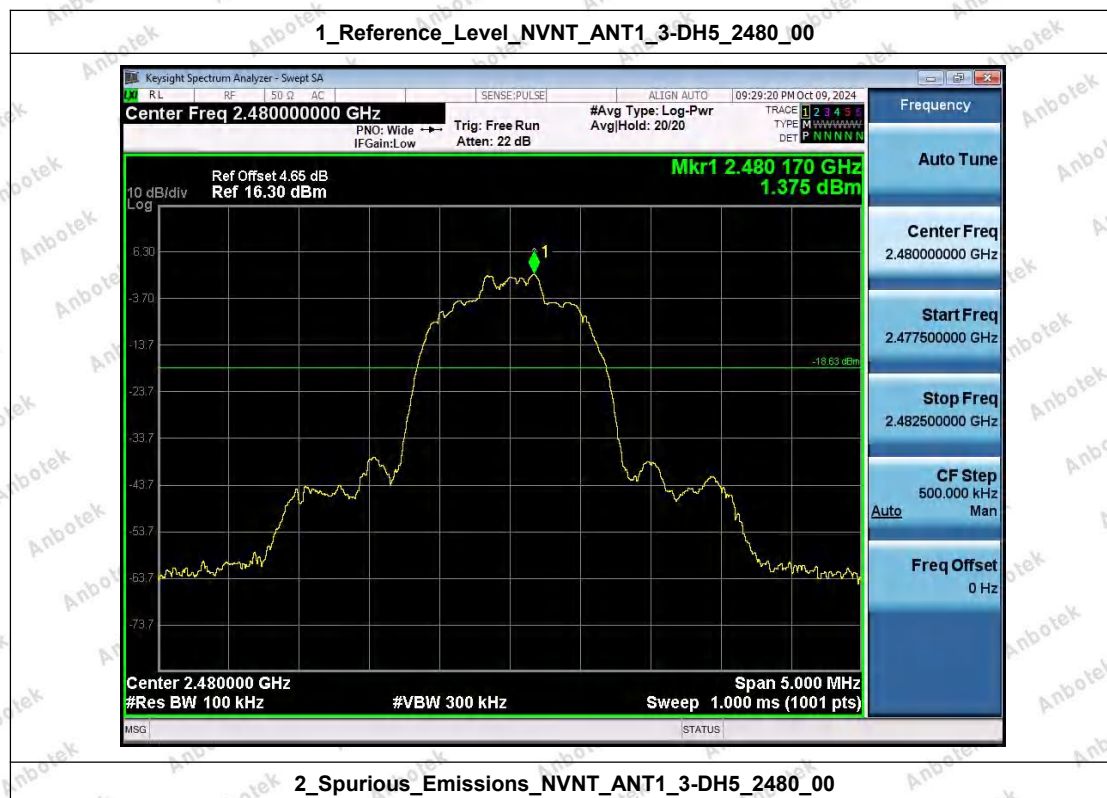


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



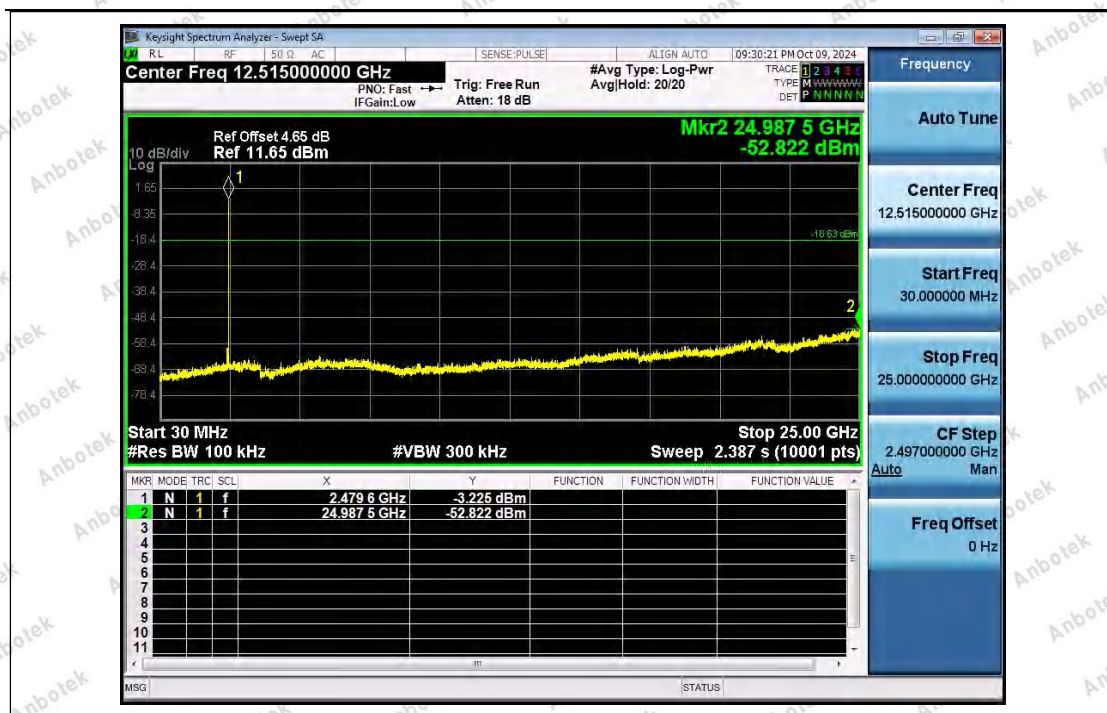


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00





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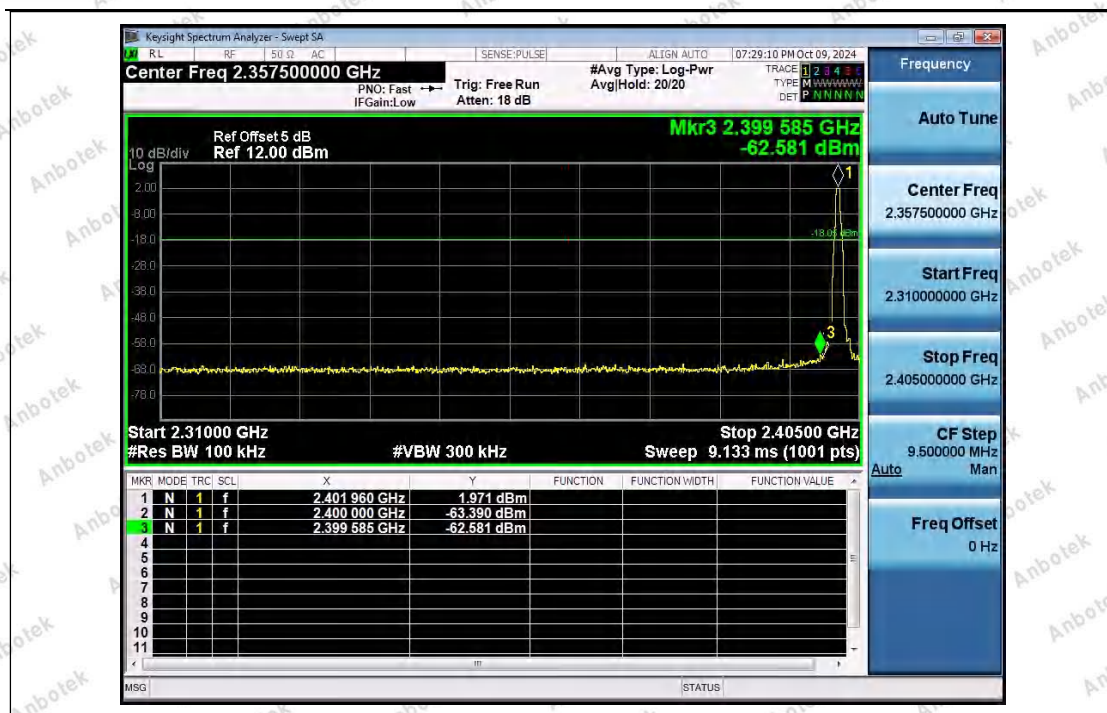
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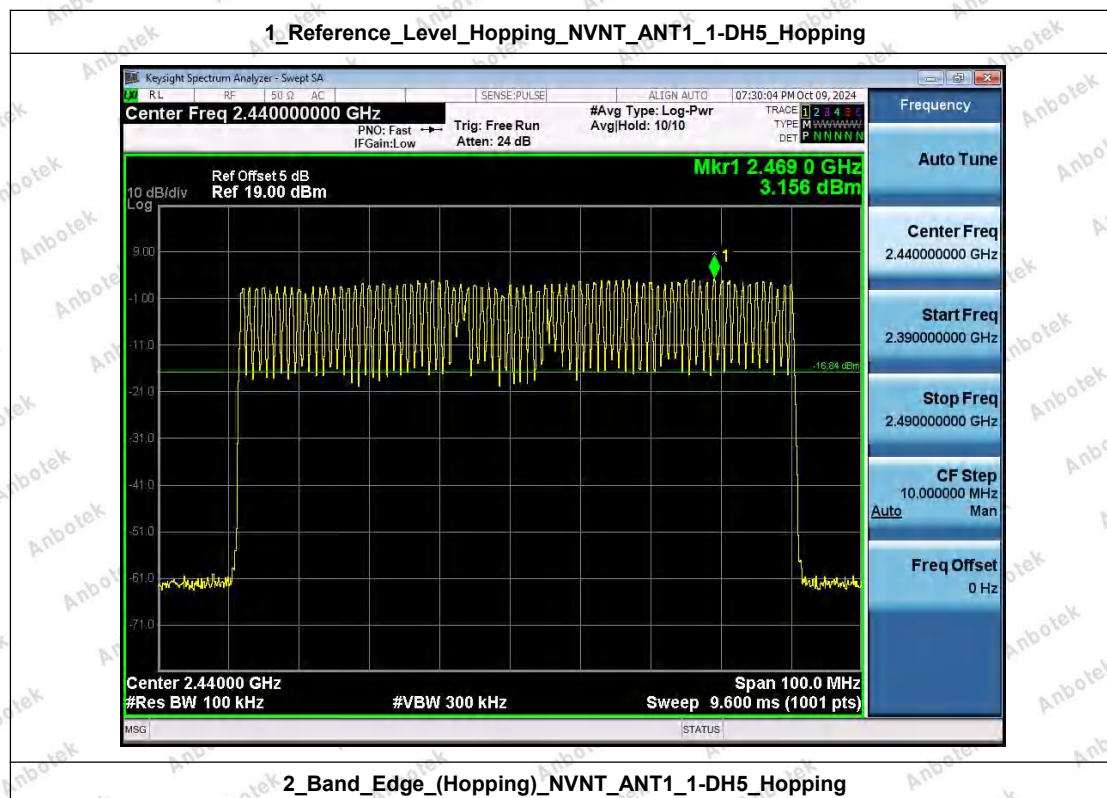
Appendix F: Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-62.581	-18.051	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-64.444	-16.844	Pass
NVNT	ANT1	1-DH5	2480.00	-59.629	-17.719	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-64.282	-16.486	Pass
NVNT	ANT1	2-DH5	2402.00	-60.869	-18.594	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-63.497	-13.248	Pass
NVNT	ANT1	2-DH5	2480.00	-60.329	-18.163	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-60.126	-19.469	Pass
NVNT	ANT1	3-DH5	2402.00	-61.602	-18.907	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-64.231	-17.404	Pass
NVNT	ANT1	3-DH5	2480.00	-64.442	-18.625	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-66.074	-14.054	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00**2_Bandedge_NVNT_ANT1_1-DH5_2402_00**

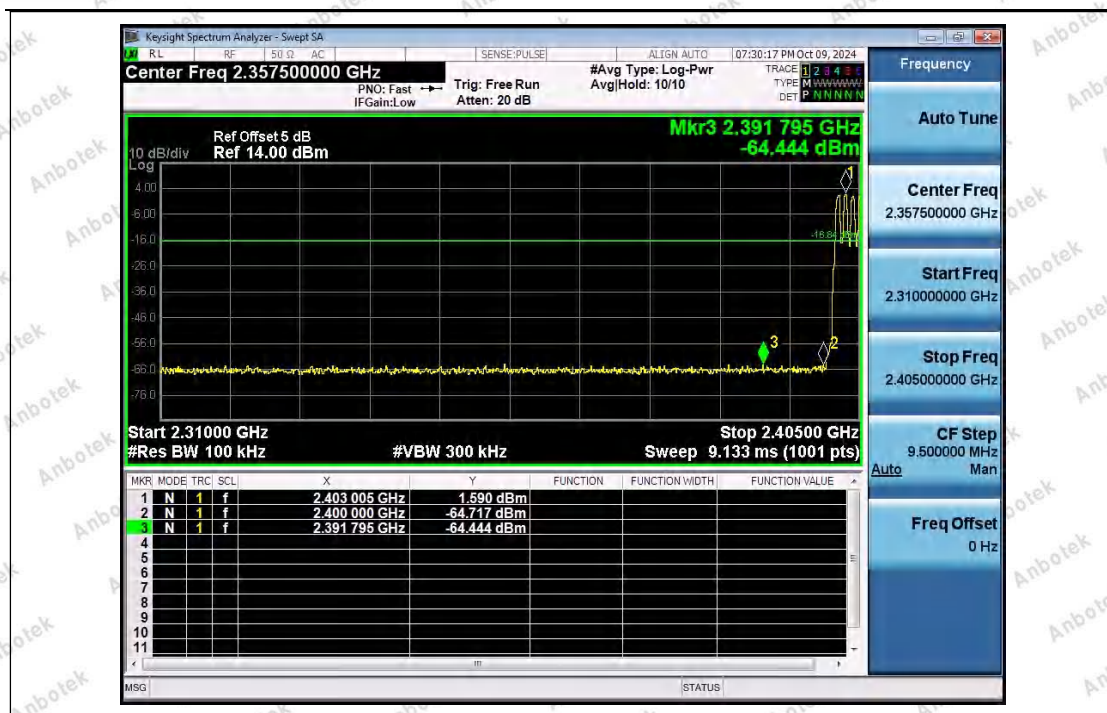


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

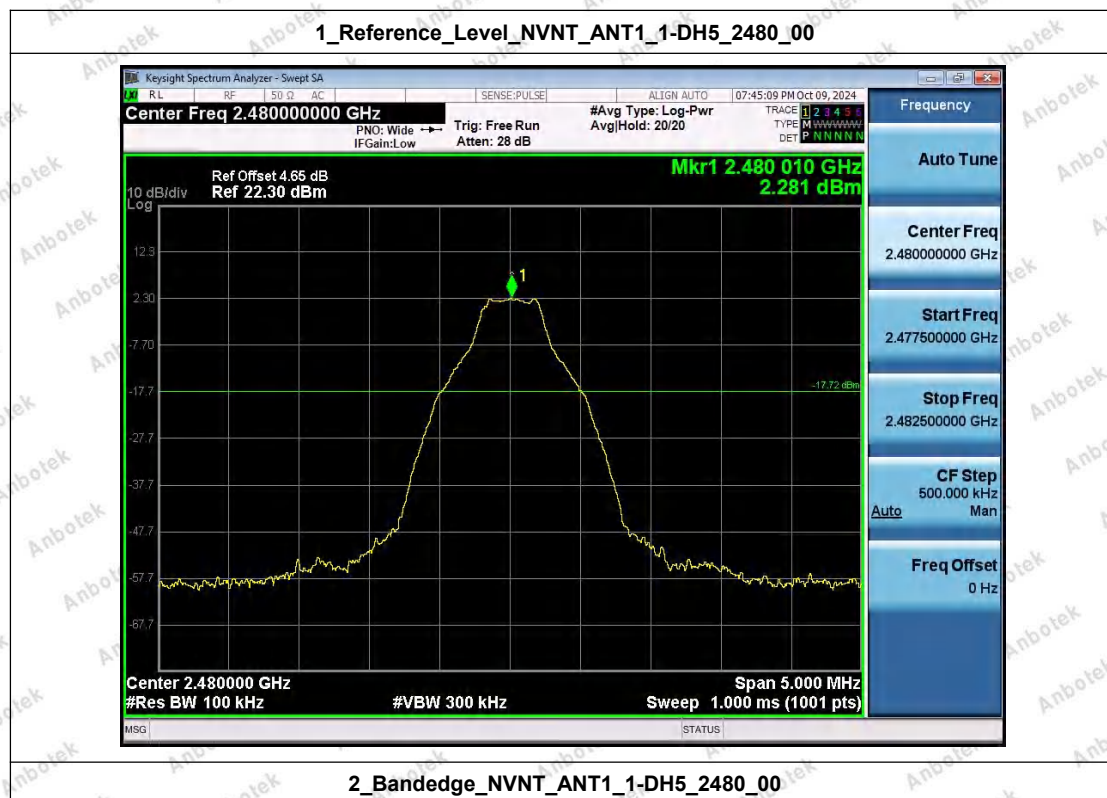


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



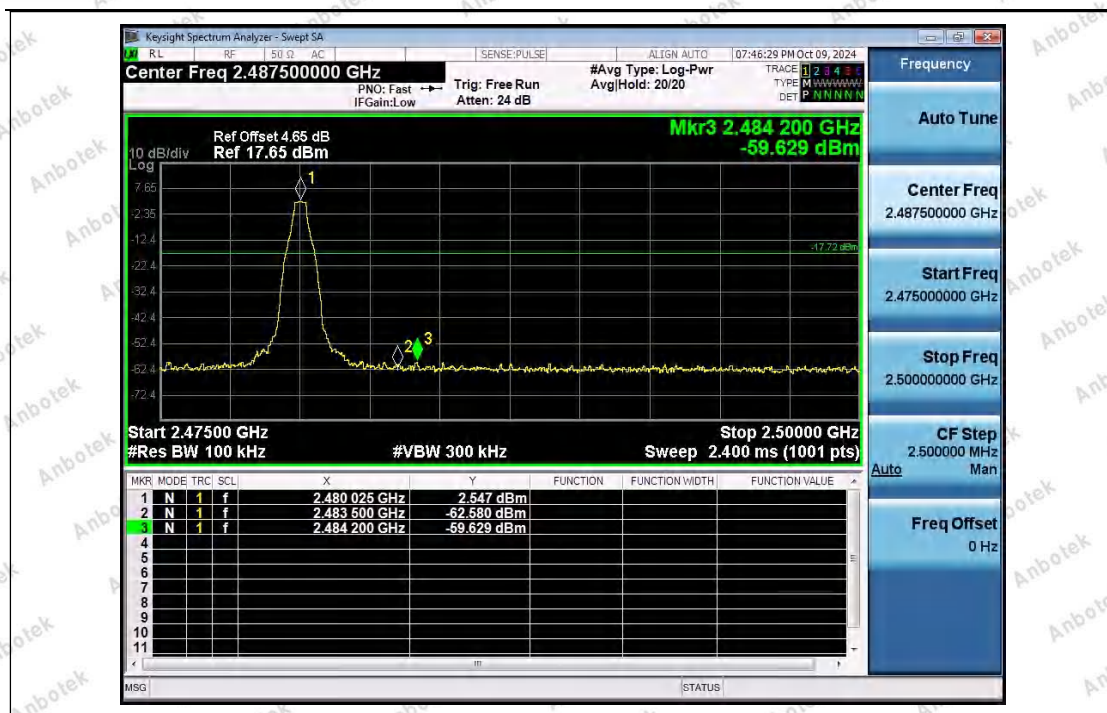


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

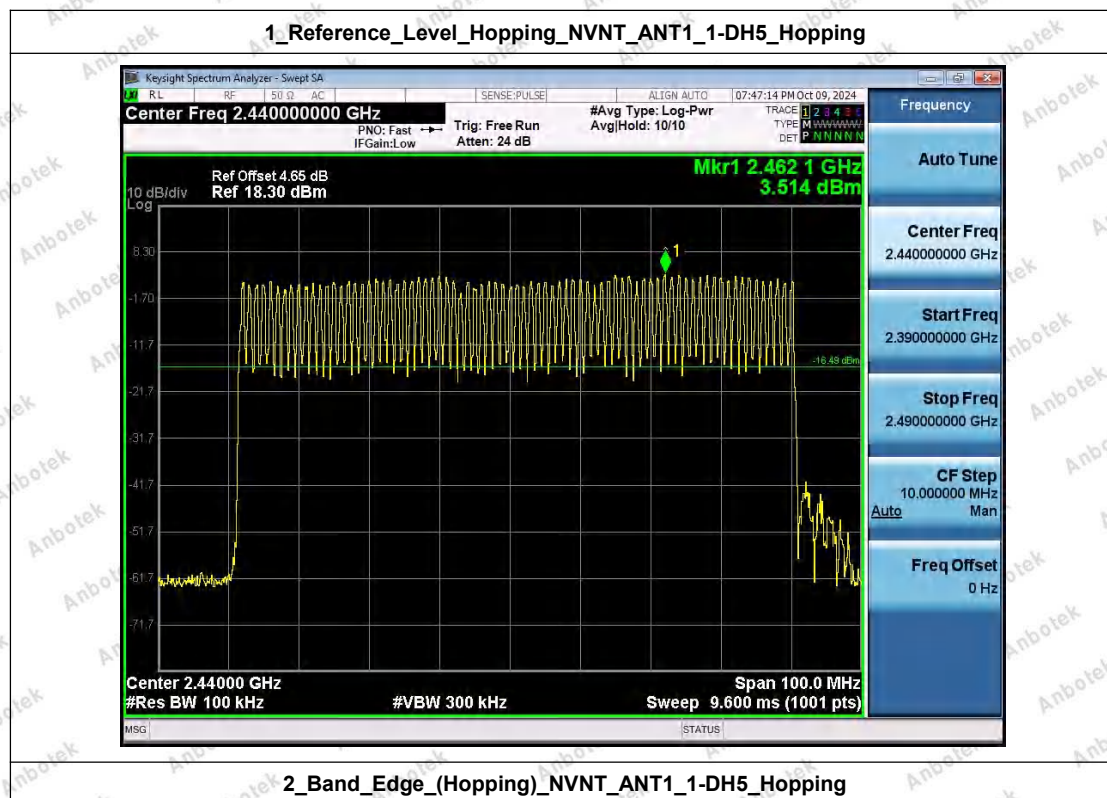


2_Bandedge_NVNT_ANT1_1-DH5_2480_00





1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping

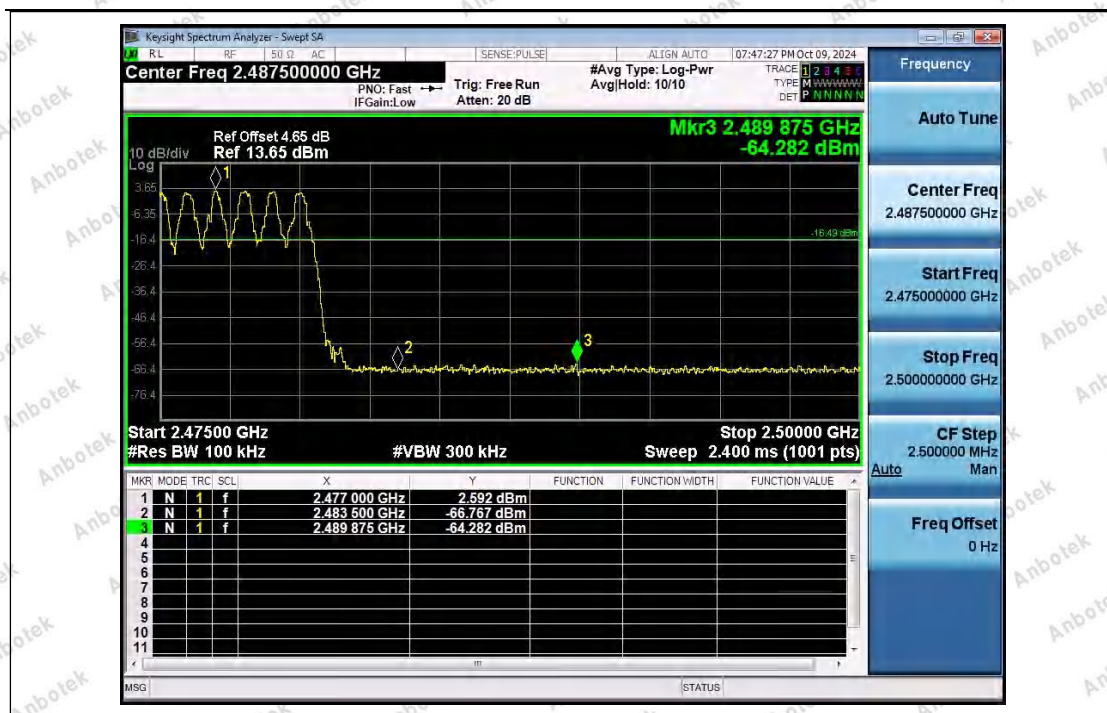
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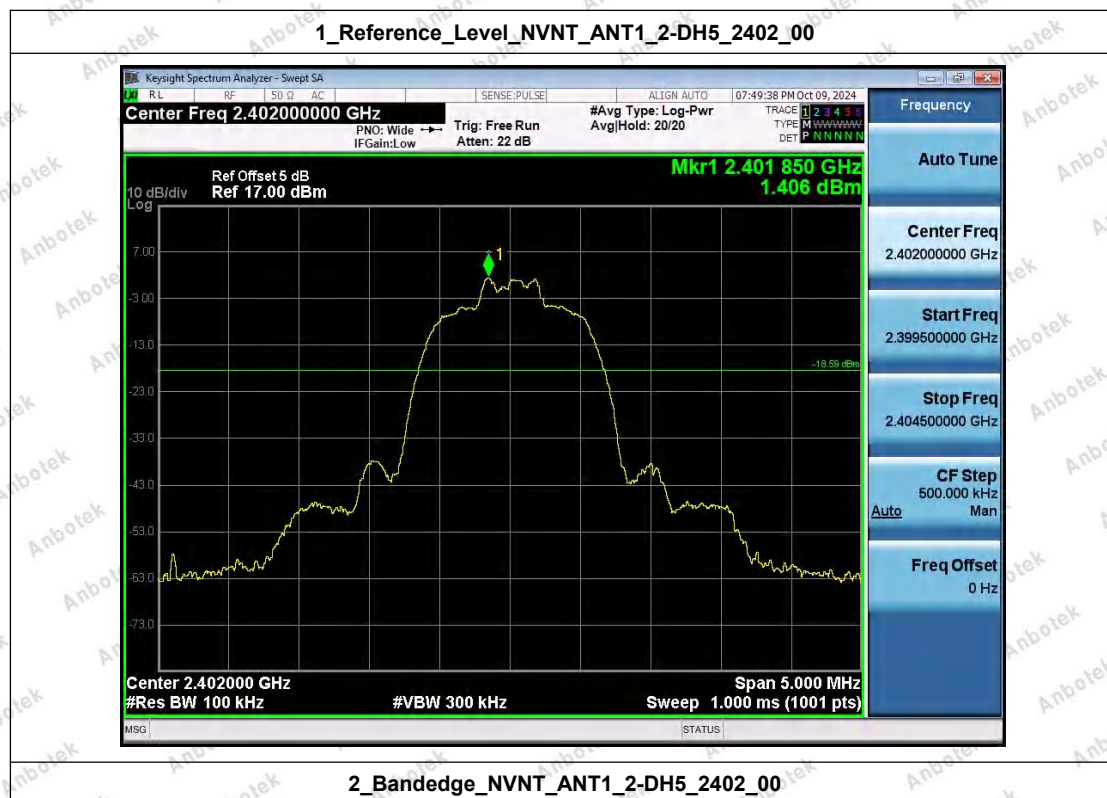


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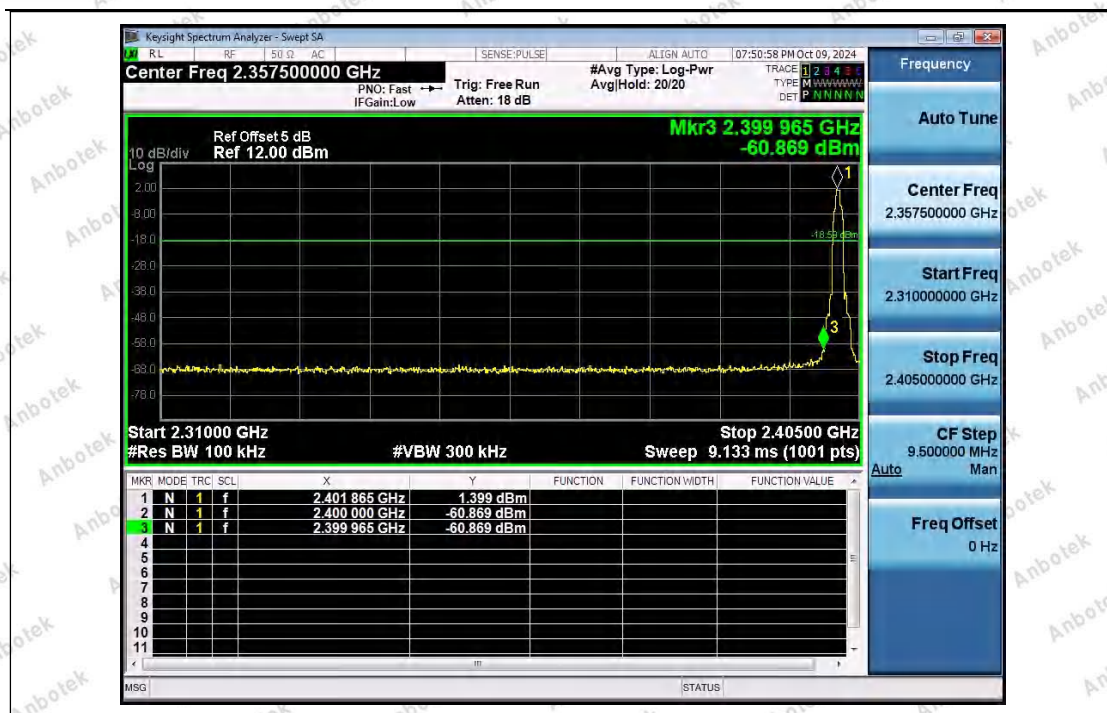


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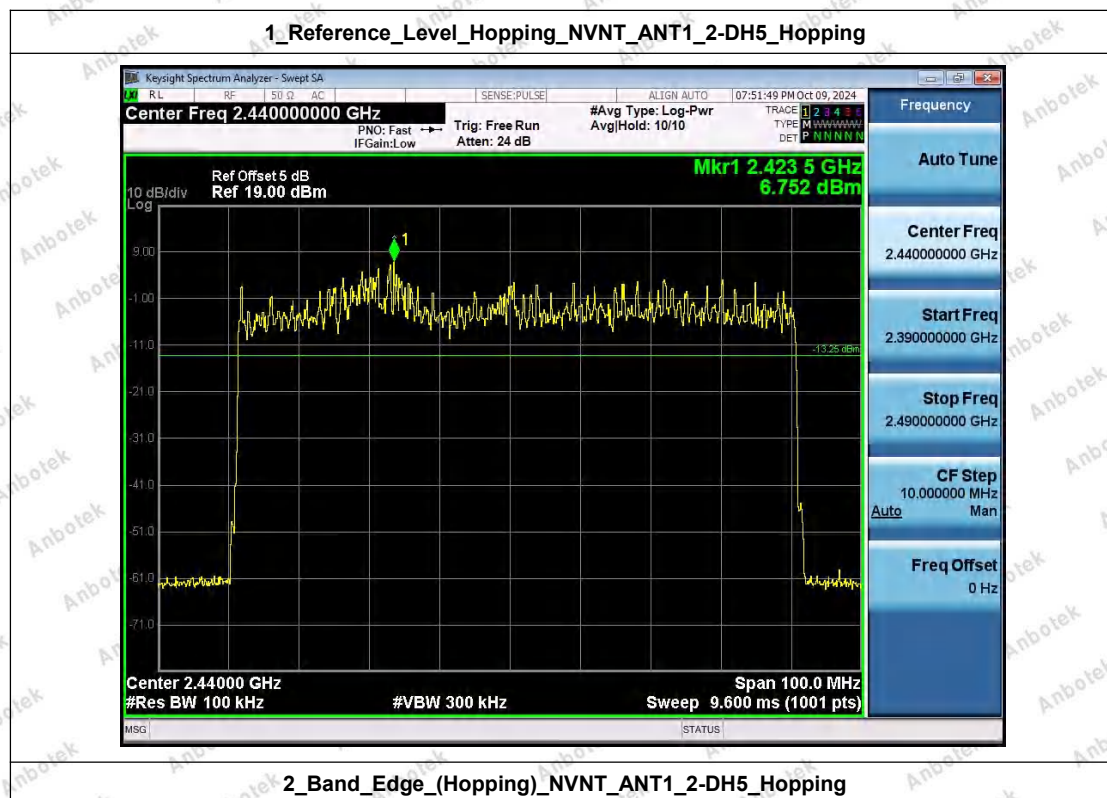


2_Bandedge_NVNT_ANT1_2-DH5_2402_00



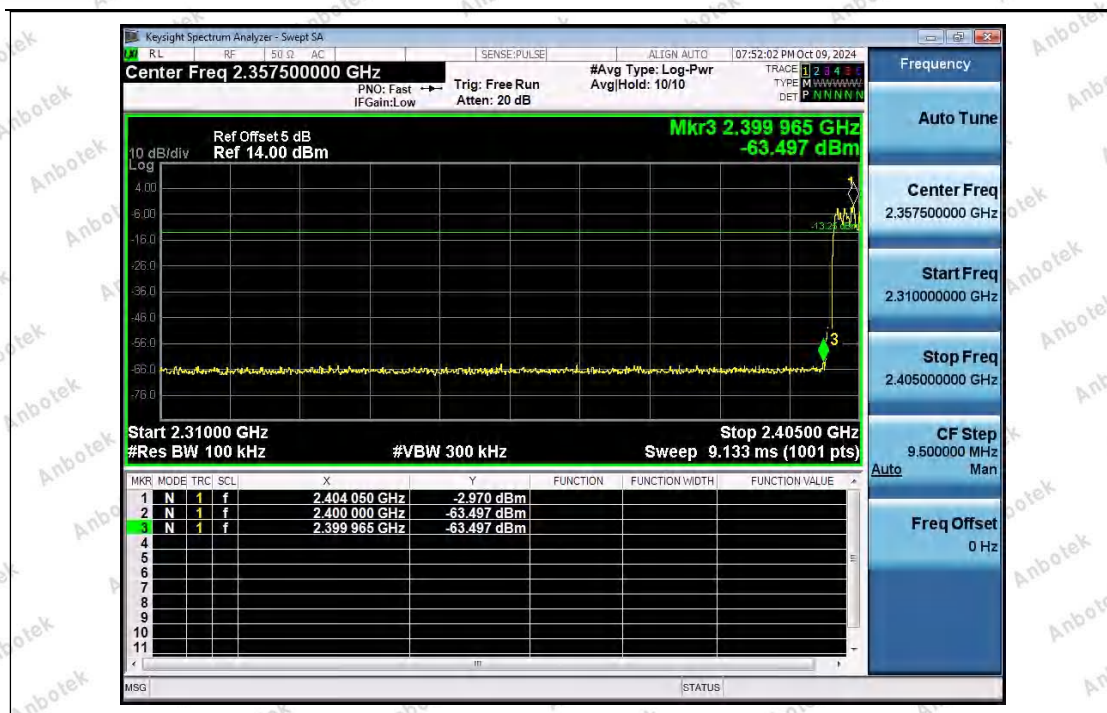


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping

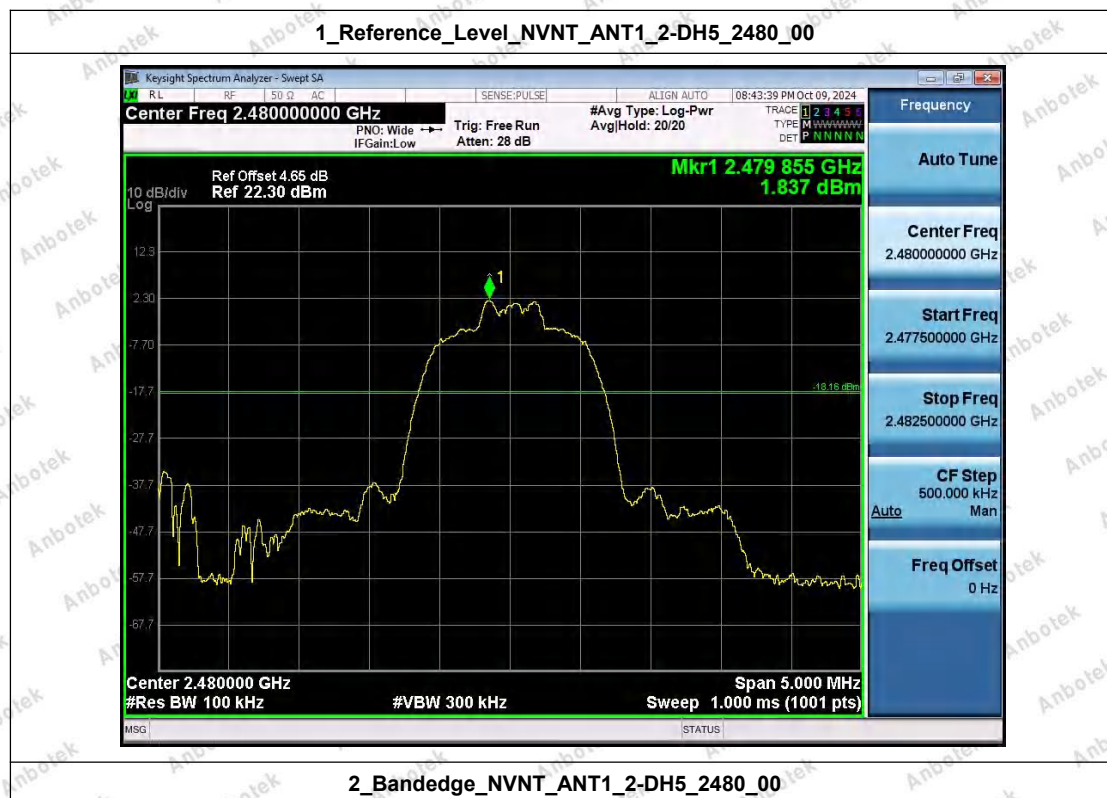


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



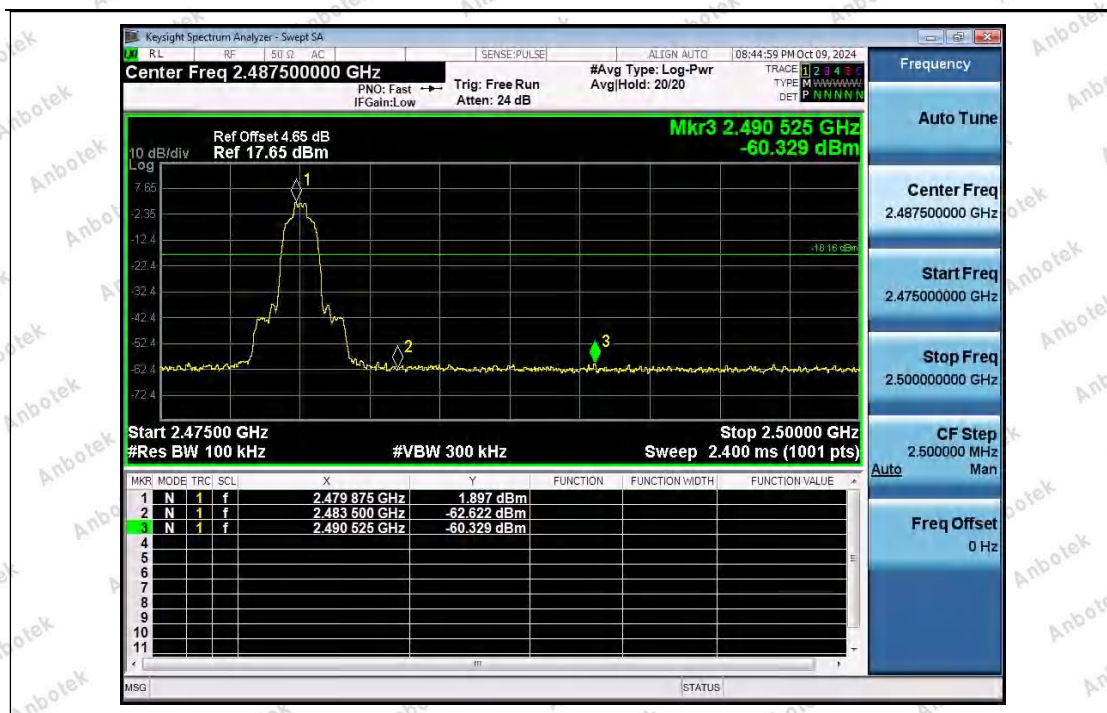


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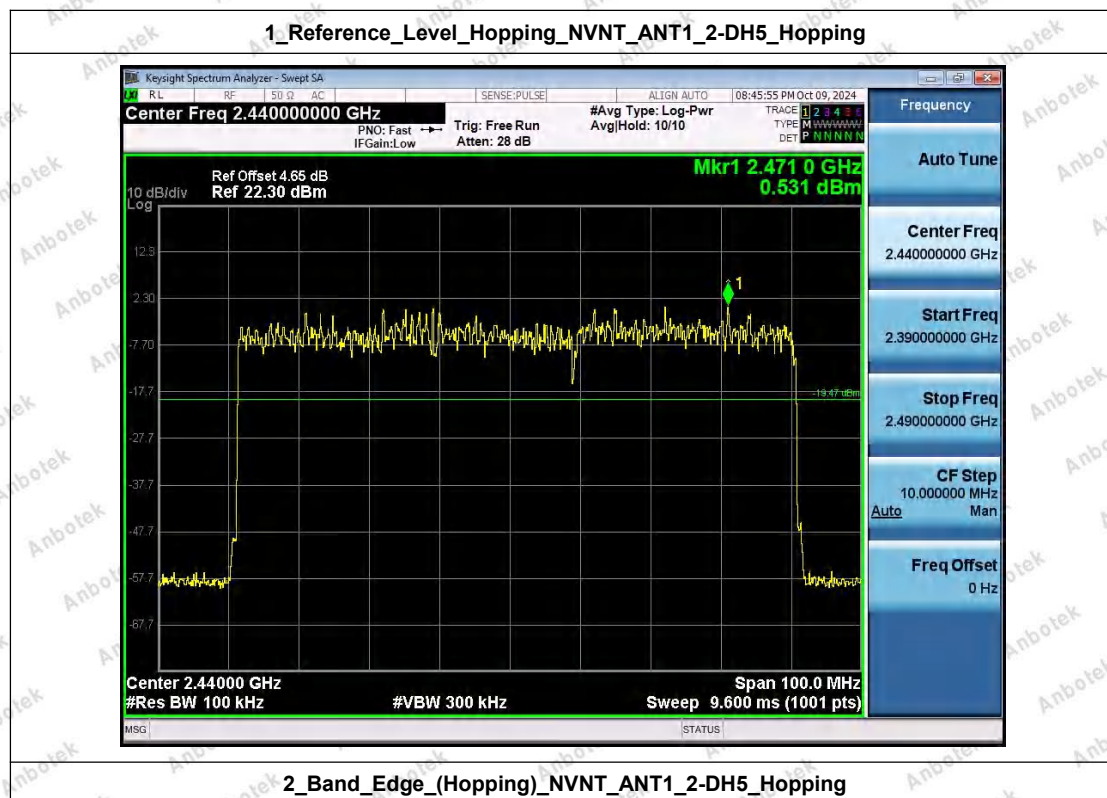


2_Bandedge_NVNT_ANT1_2-DH5_2480_00





1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

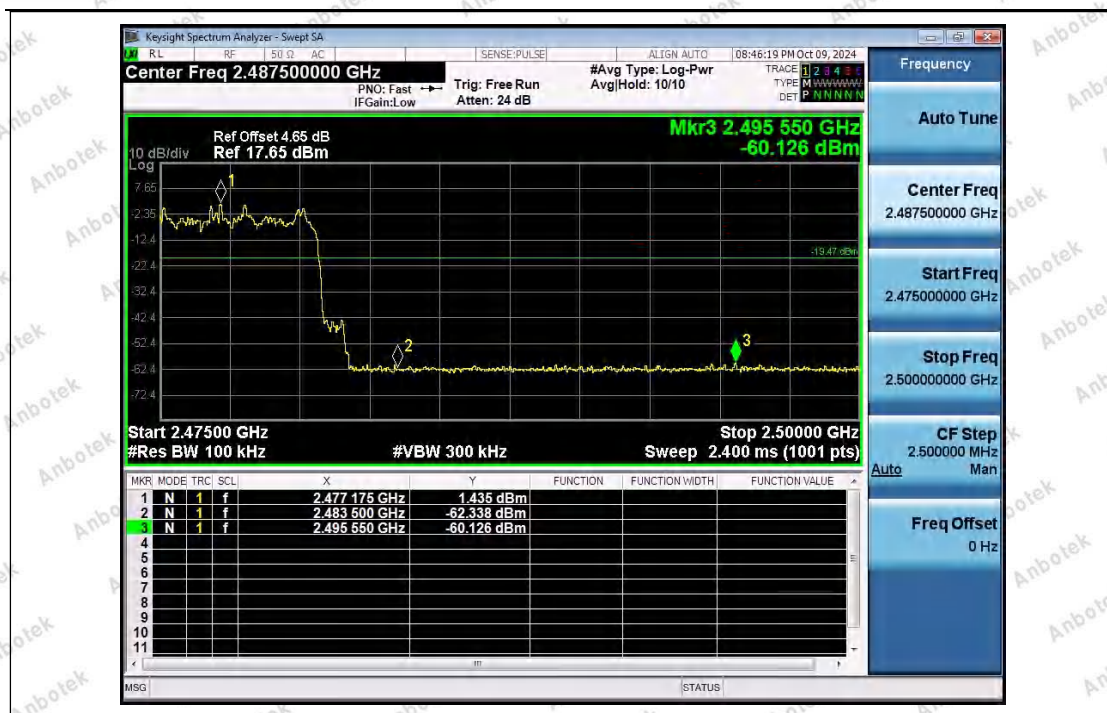
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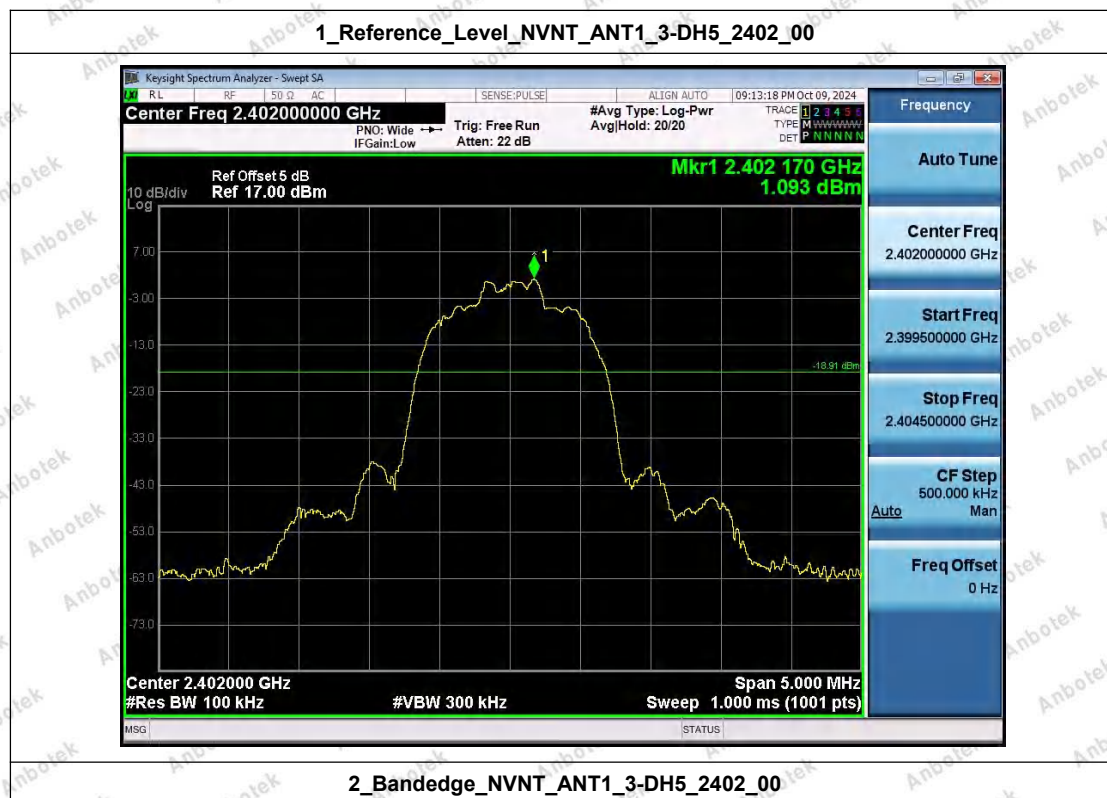


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1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



2_Bandedge_NVNT_ANT1_3-DH5_2402_00

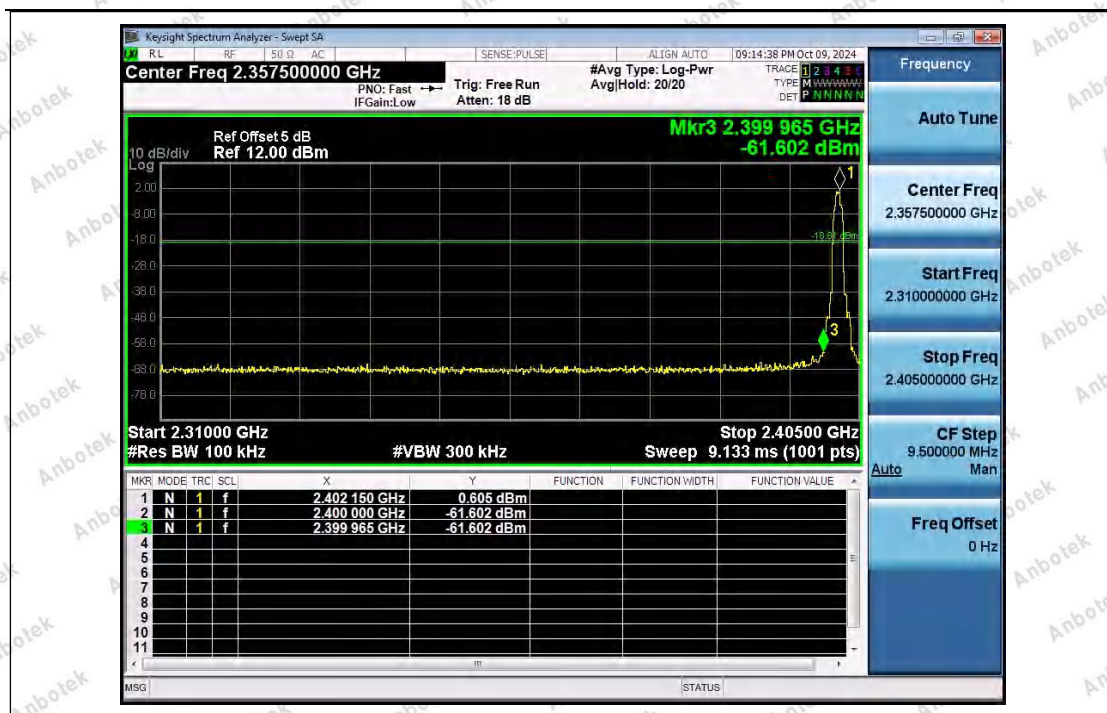
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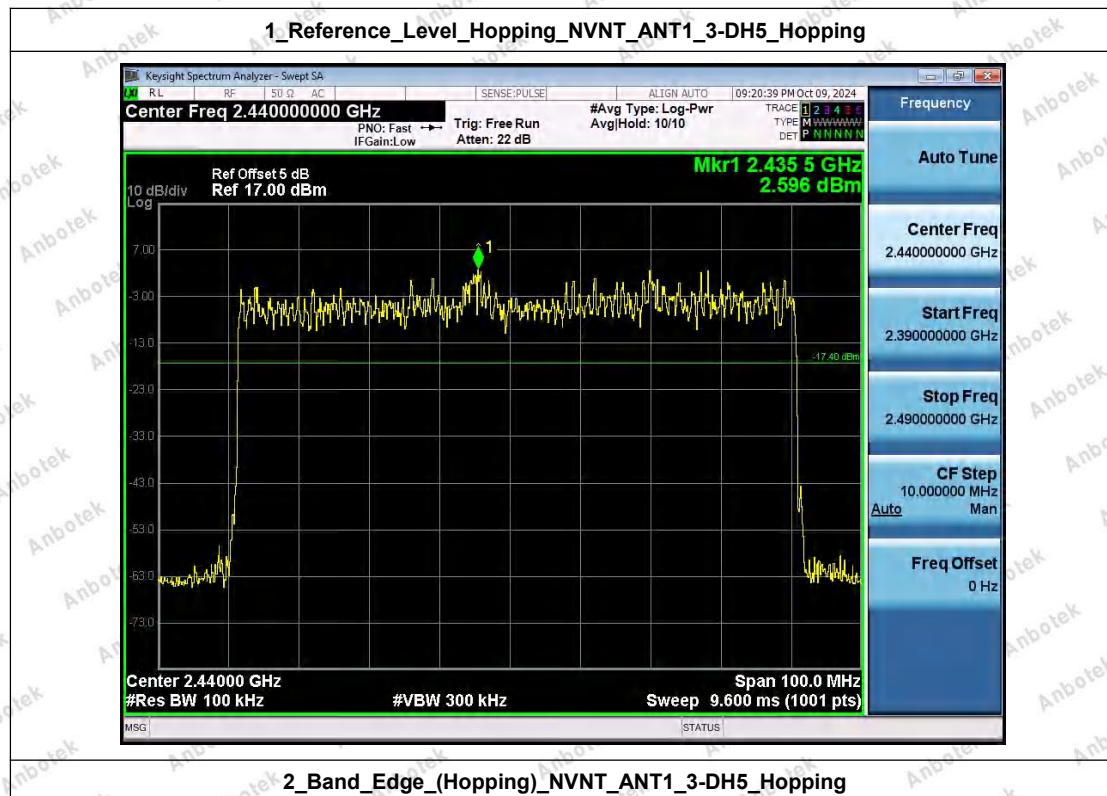


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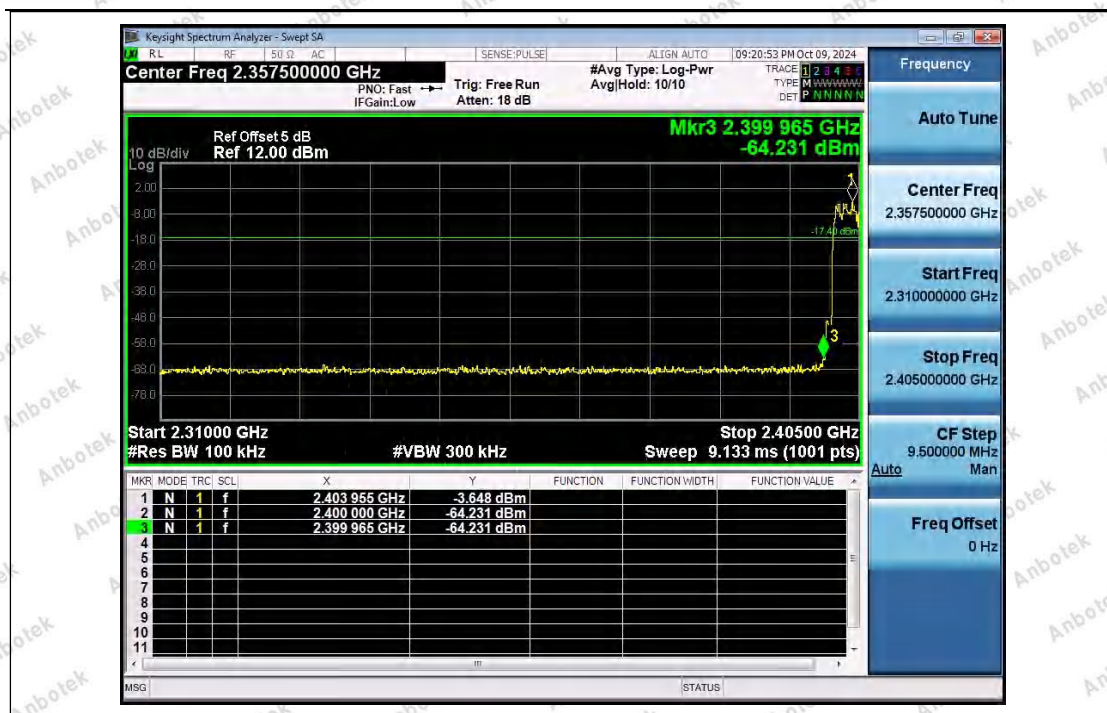


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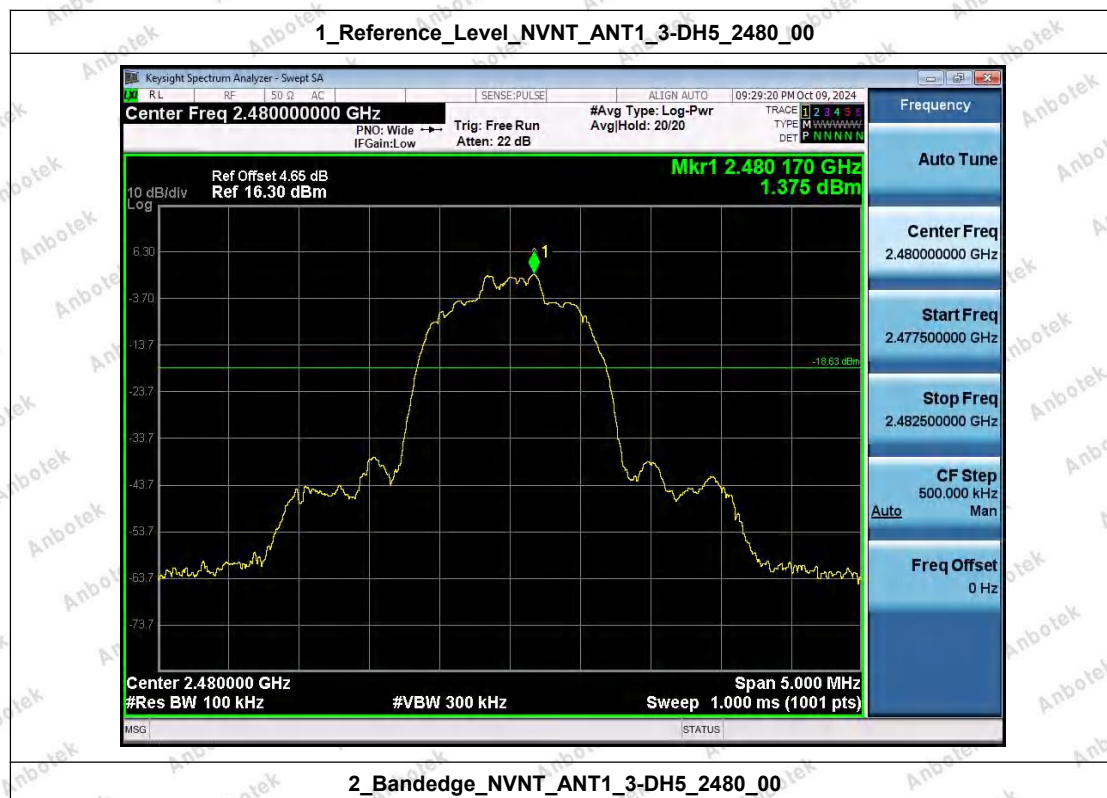


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



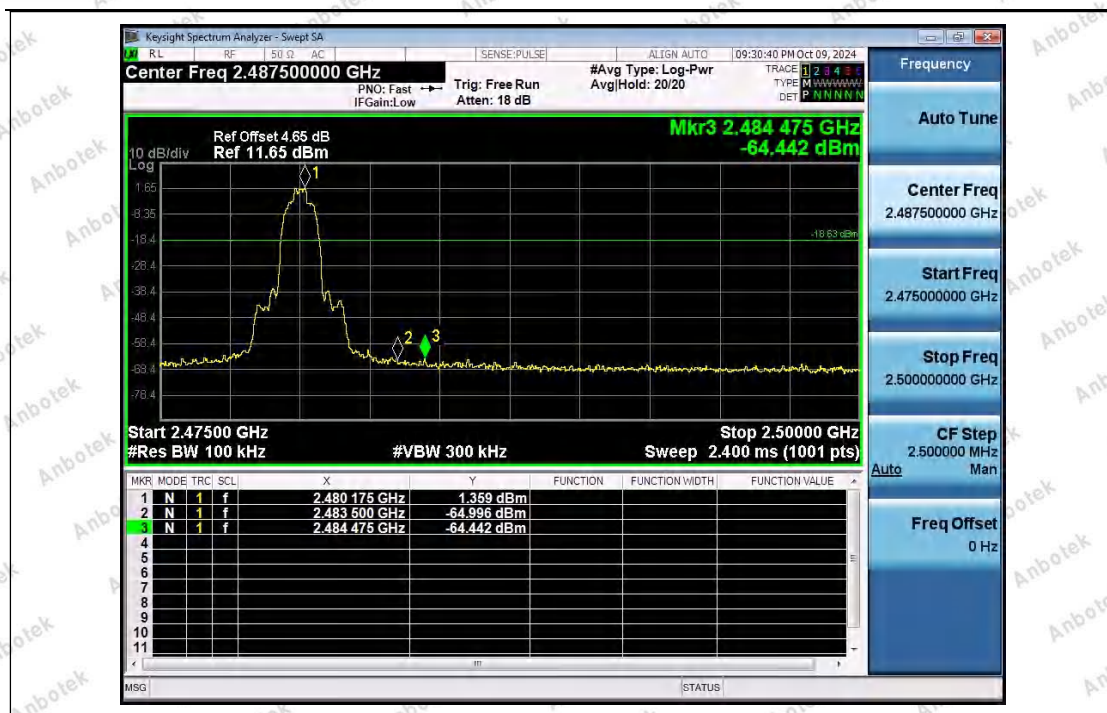


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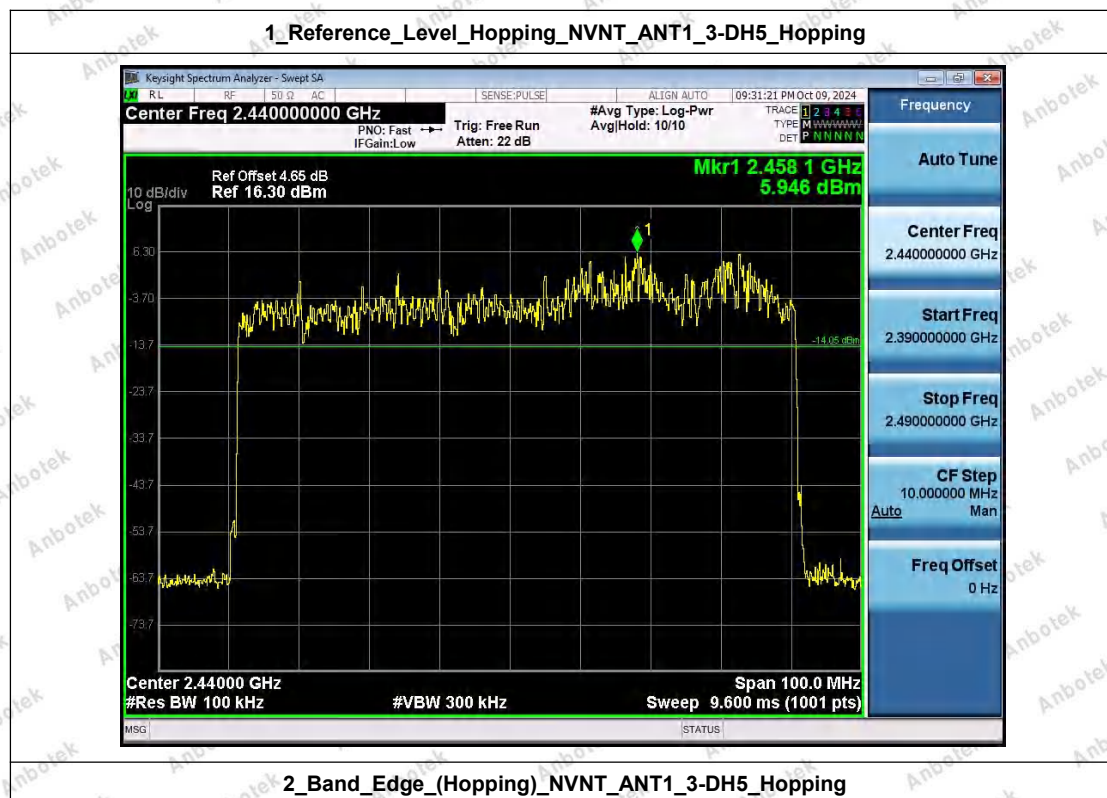


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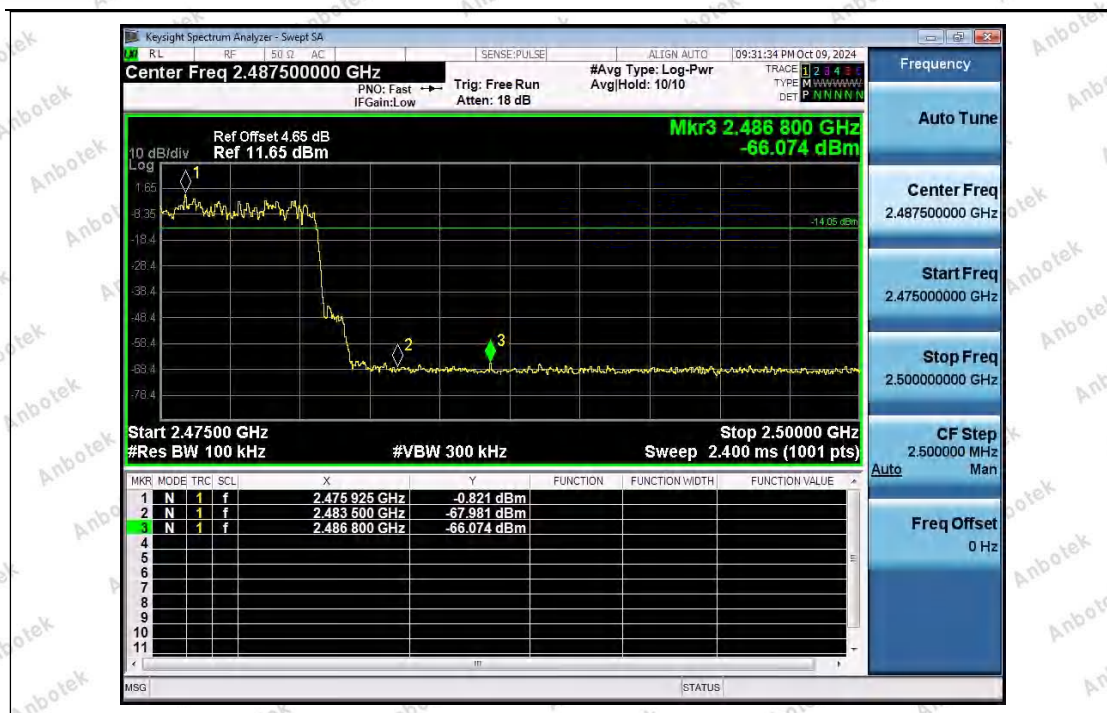


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping





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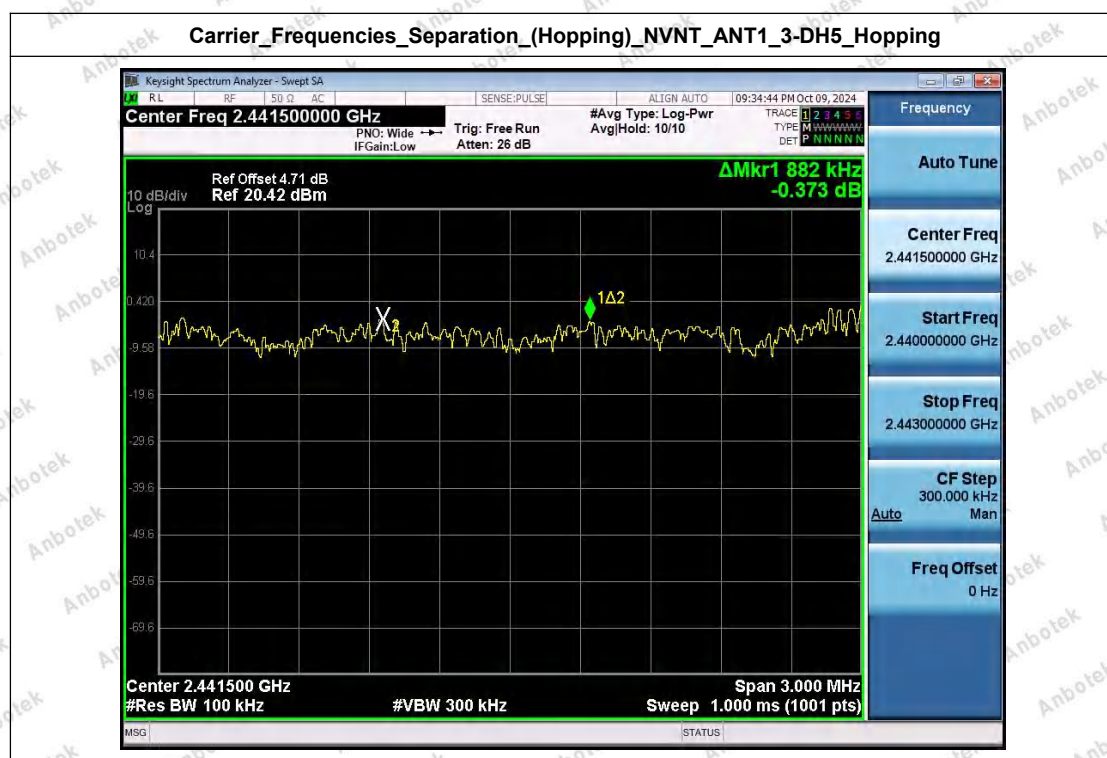
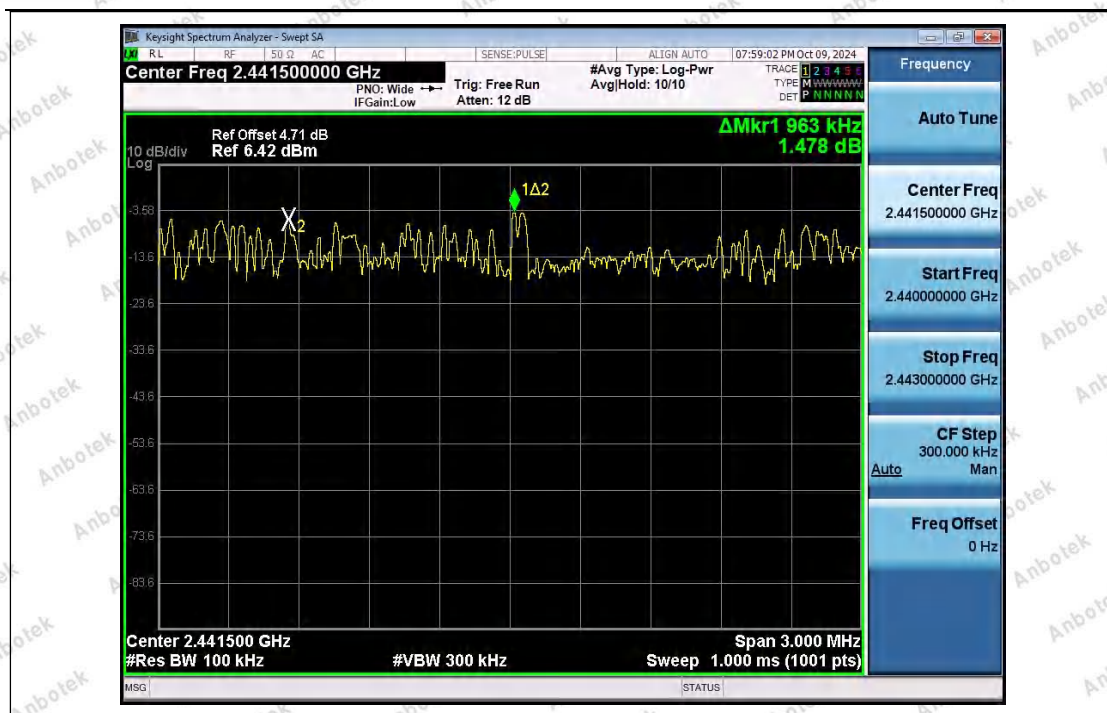
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Appendix G: Carrier Frequencies Separation (Hopping)

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	2441.026	2441.989	0.96	0.568	Pass
NVNT	ANT1	2-DH5	2441.00	2440.555	2441.518	0.96	0.845	Pass
NVNT	ANT1	3-DH5	2441.00	2440.957	2441.839	0.88	0.845	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping**Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping**



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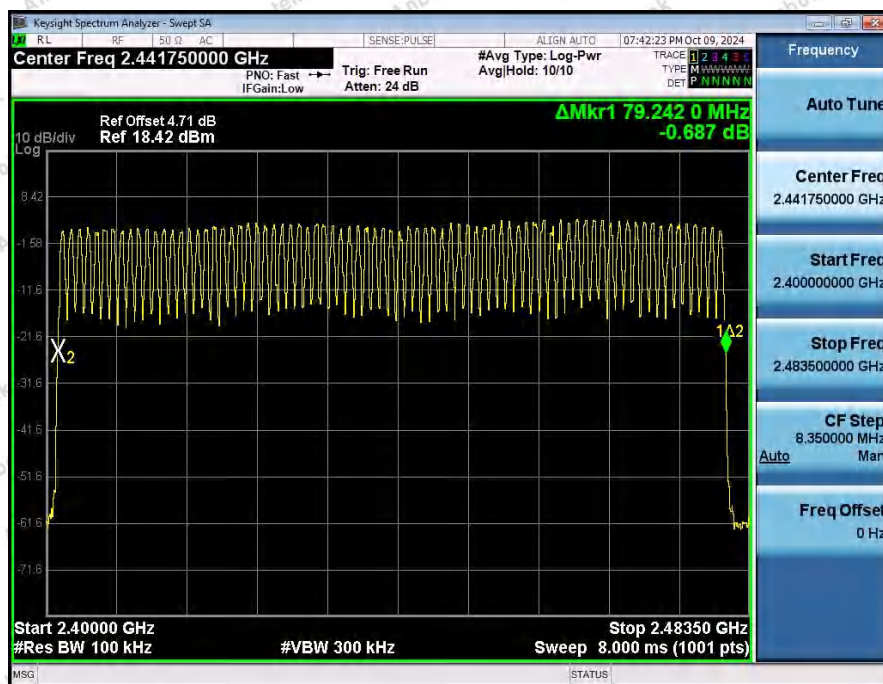
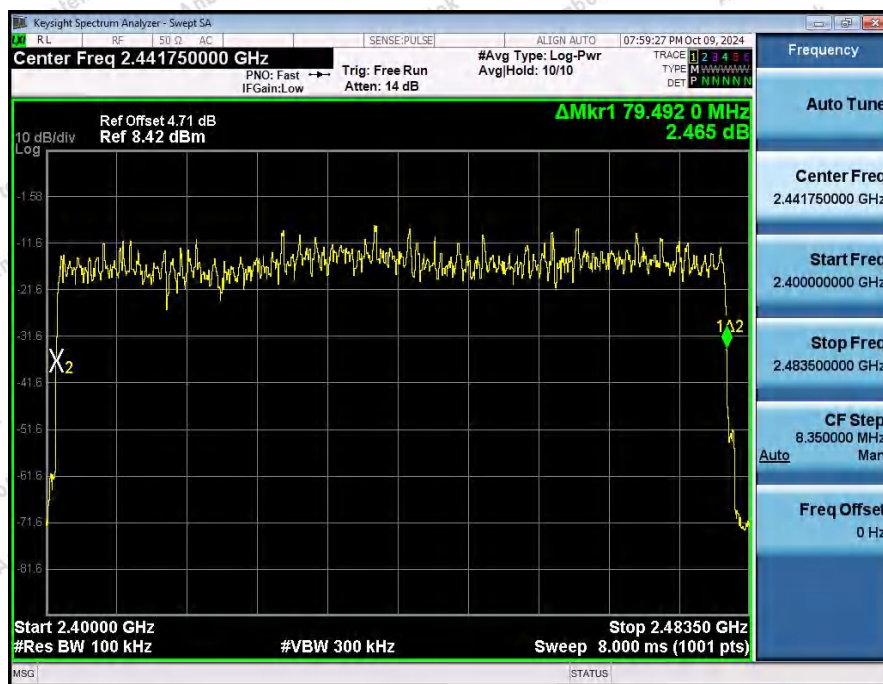


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Appendix H: Number of Hopping Channel (Hopping)

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**

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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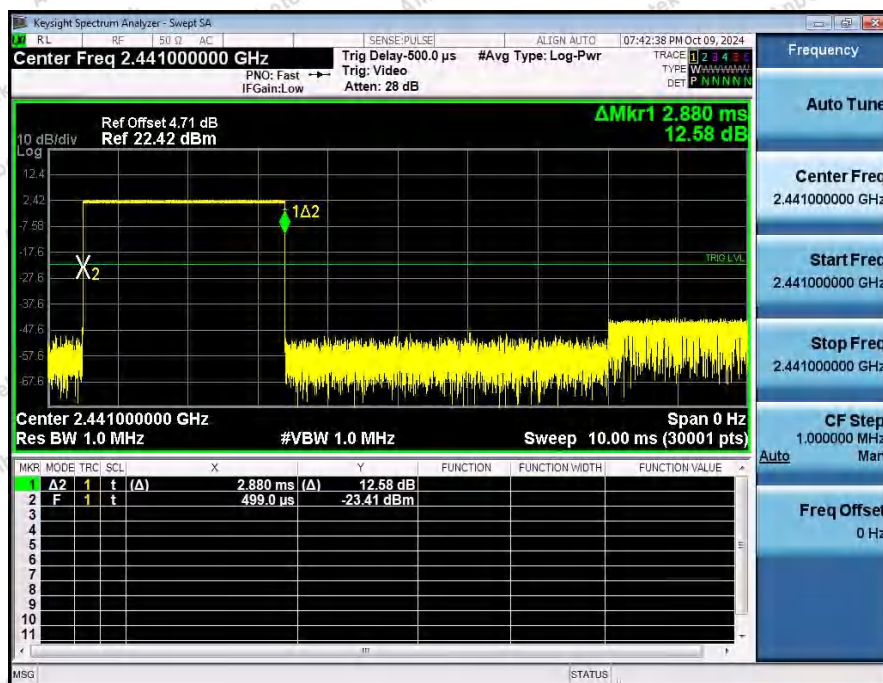


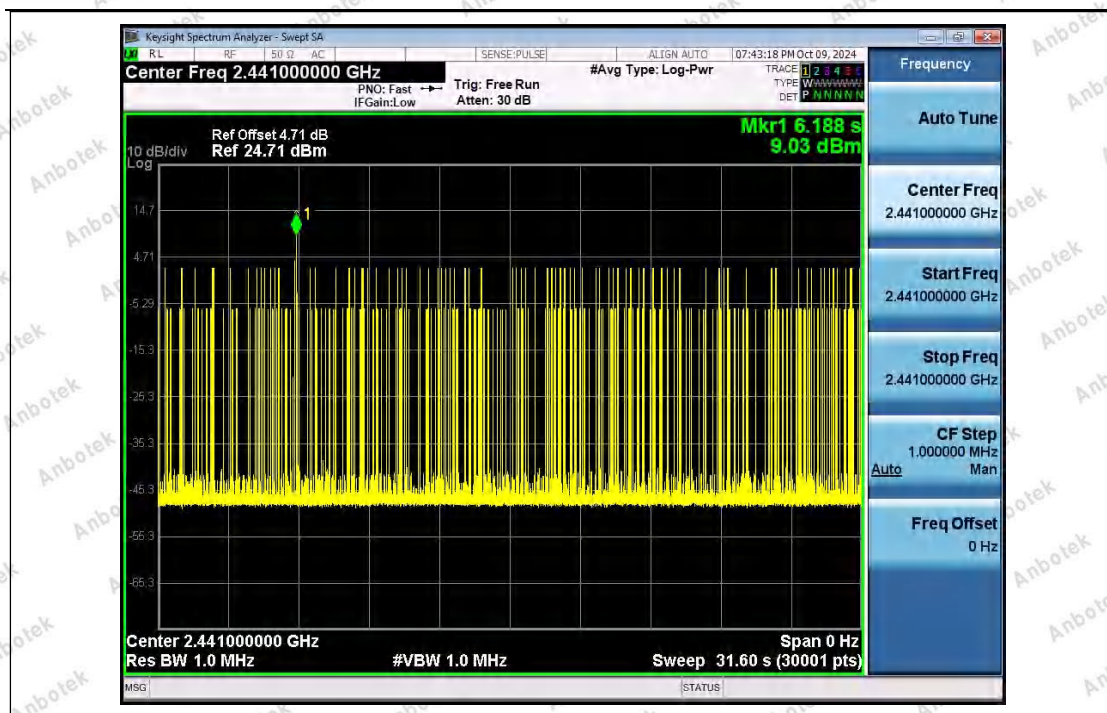
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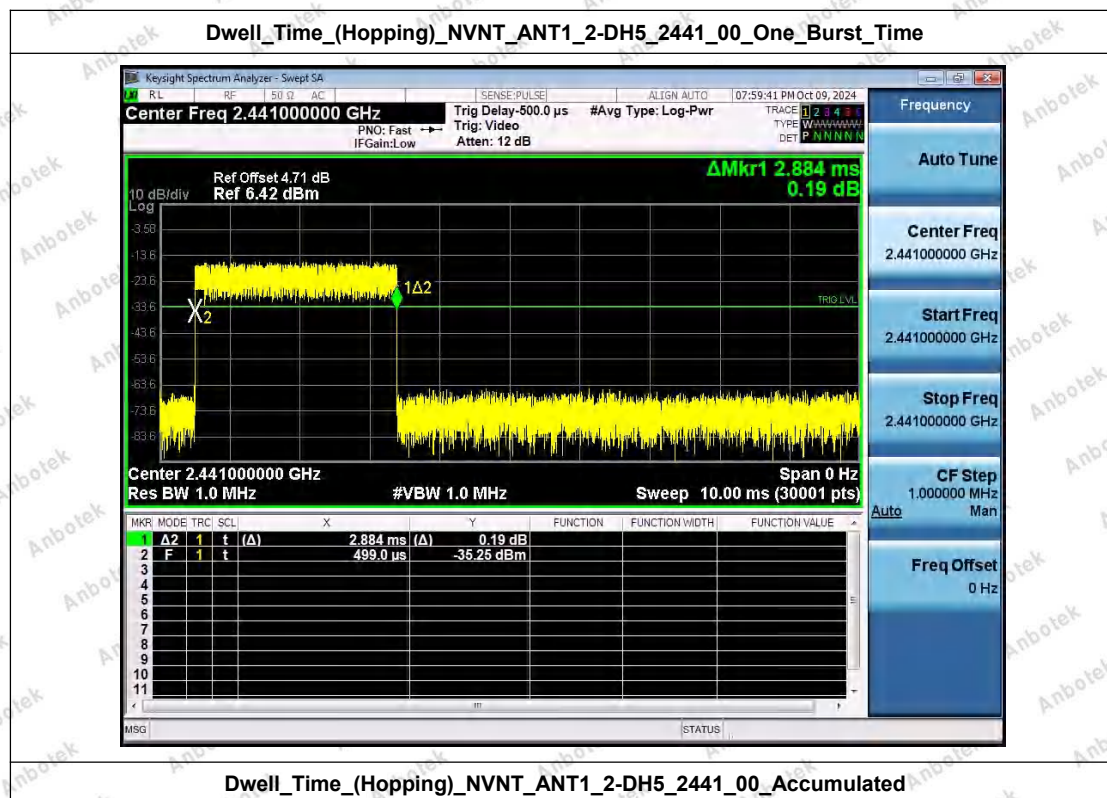
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.880	1.00	2.880	0.40	Pass
NVNT	ANT1	2-DH5	2.884	1.00	2.884	0.40	Pass
NVNT	ANT1	3-DH5	2.886	1.00	2.886	0.40	Pass
NVNT	ANT1	1-DH1	0.376	320.00	120.320	0.40	Pass
NVNT	ANT1	1-DH3	1.632	1.00	1.632	0.40	Pass
NVNT	ANT1	2-DH1	0.384	1.00	0.384	0.40	Pass
NVNT	ANT1	2-DH3	1.636	163.00	266.668	0.40	Pass
NVNT	ANT1	3-DH1	0.385	320.00	123.200	0.40	Pass
NVNT	ANT1	3-DH3	1.635	1.00	1.635	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**

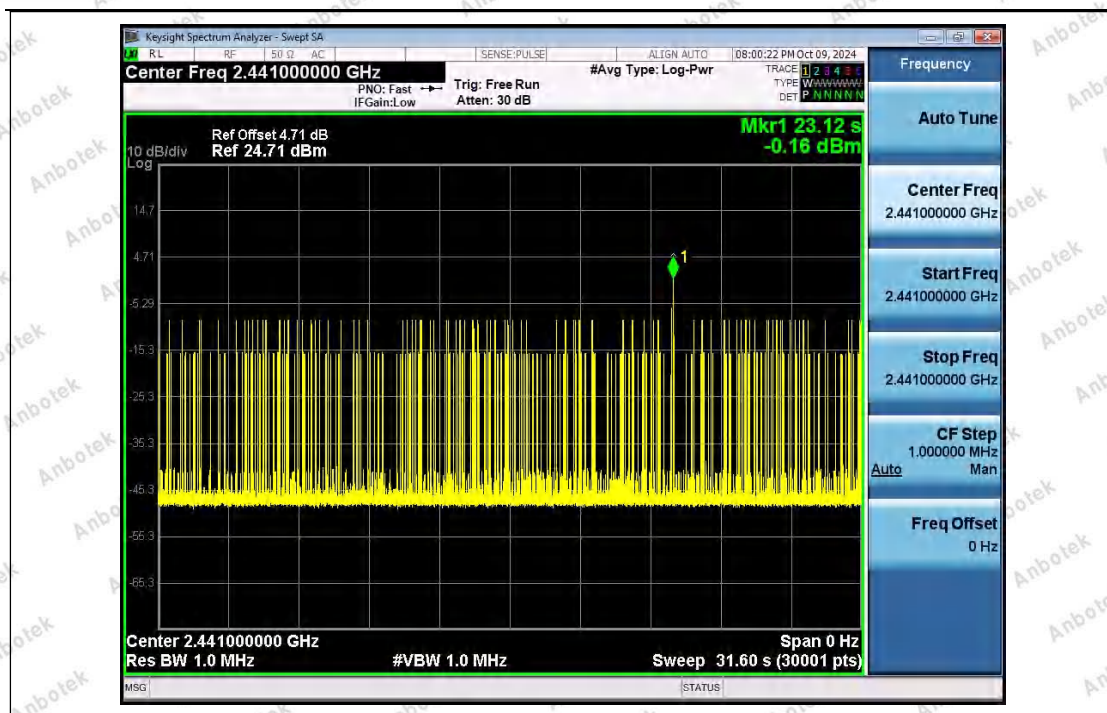


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time

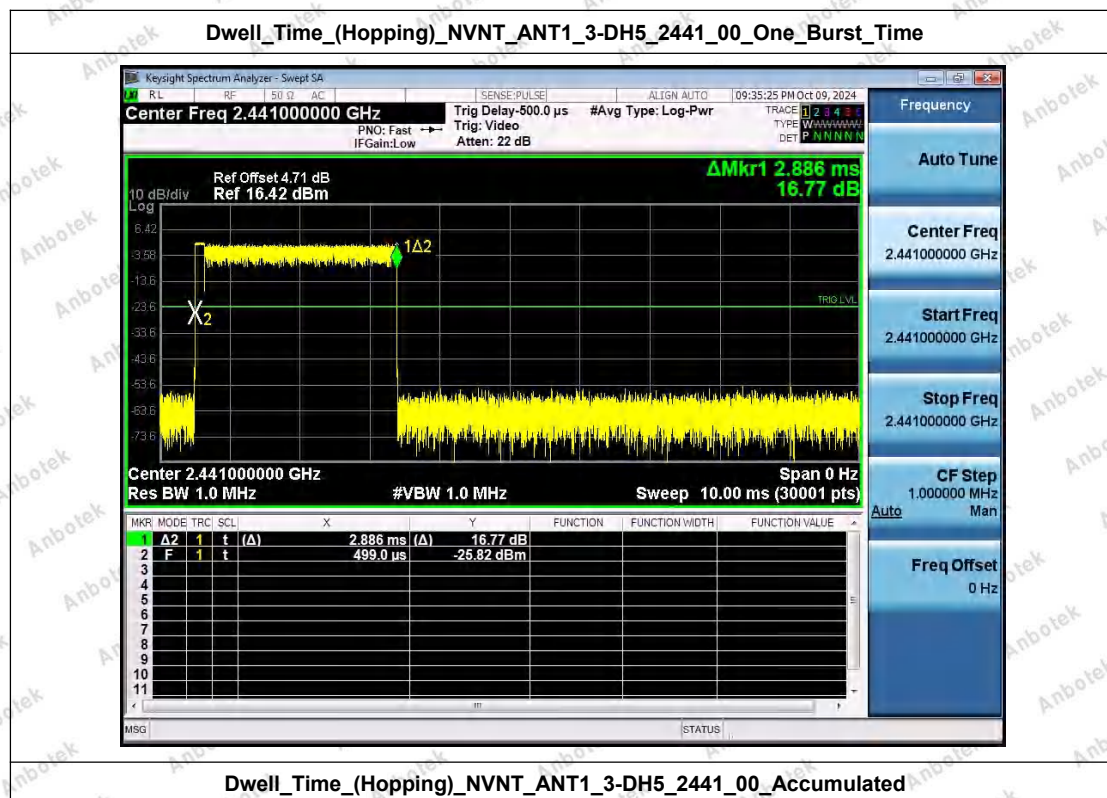


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



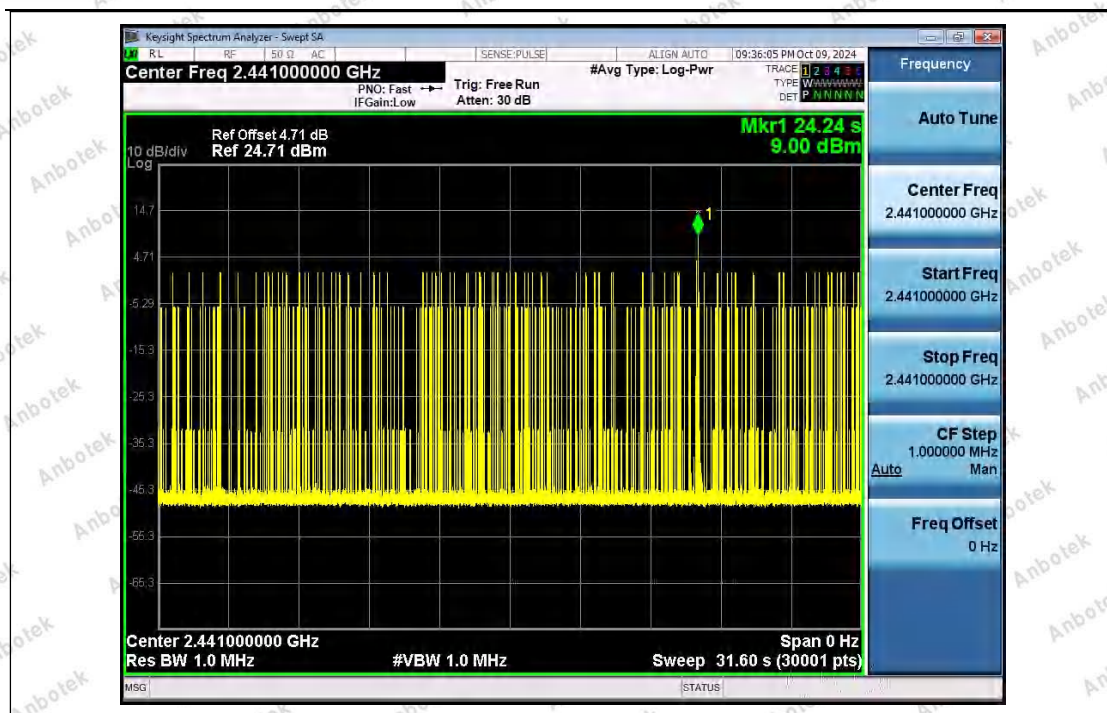


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time

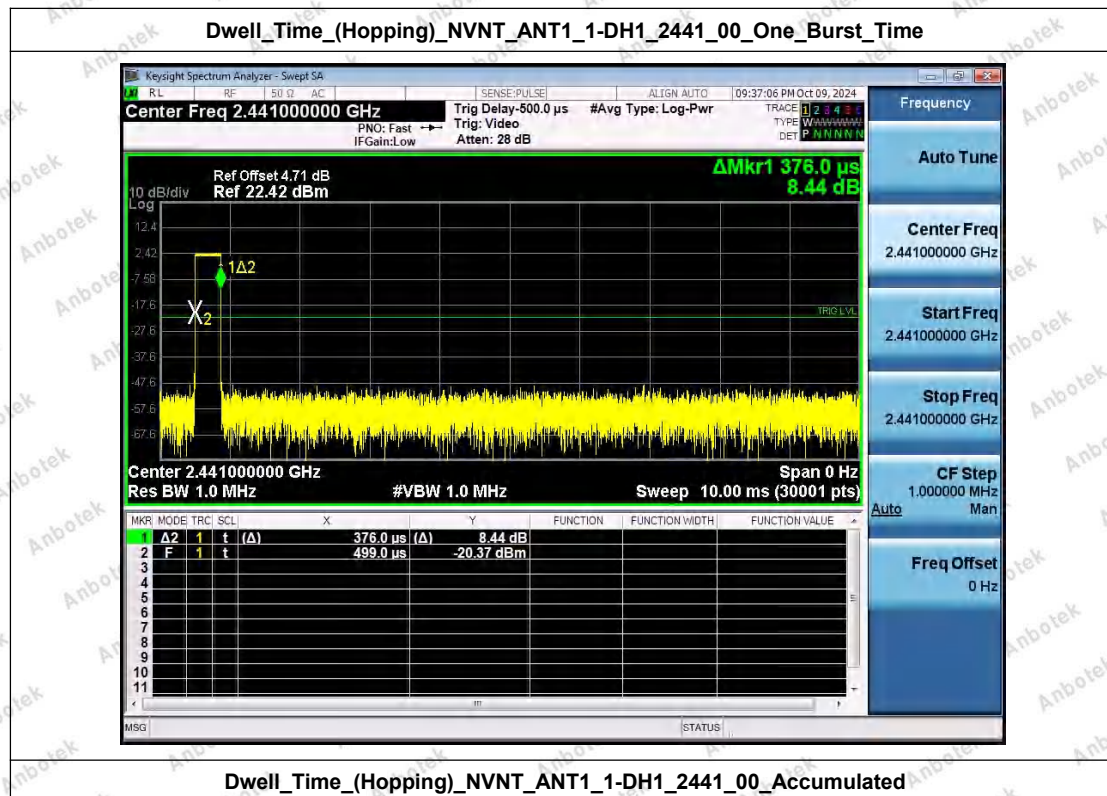


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated



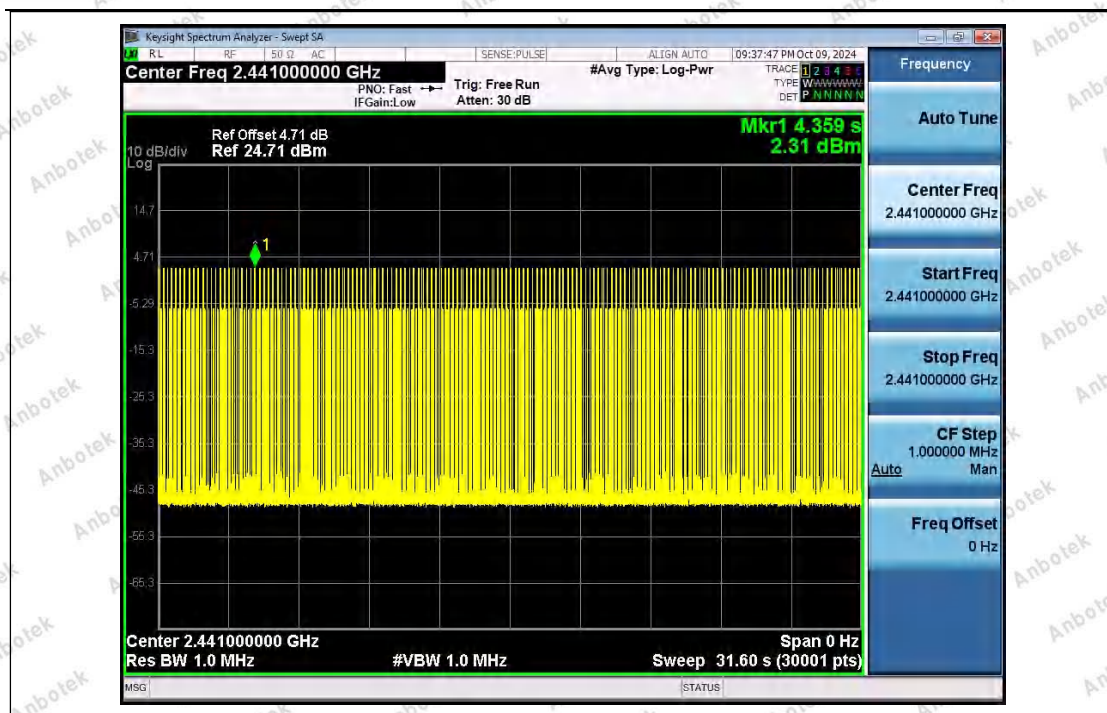


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time

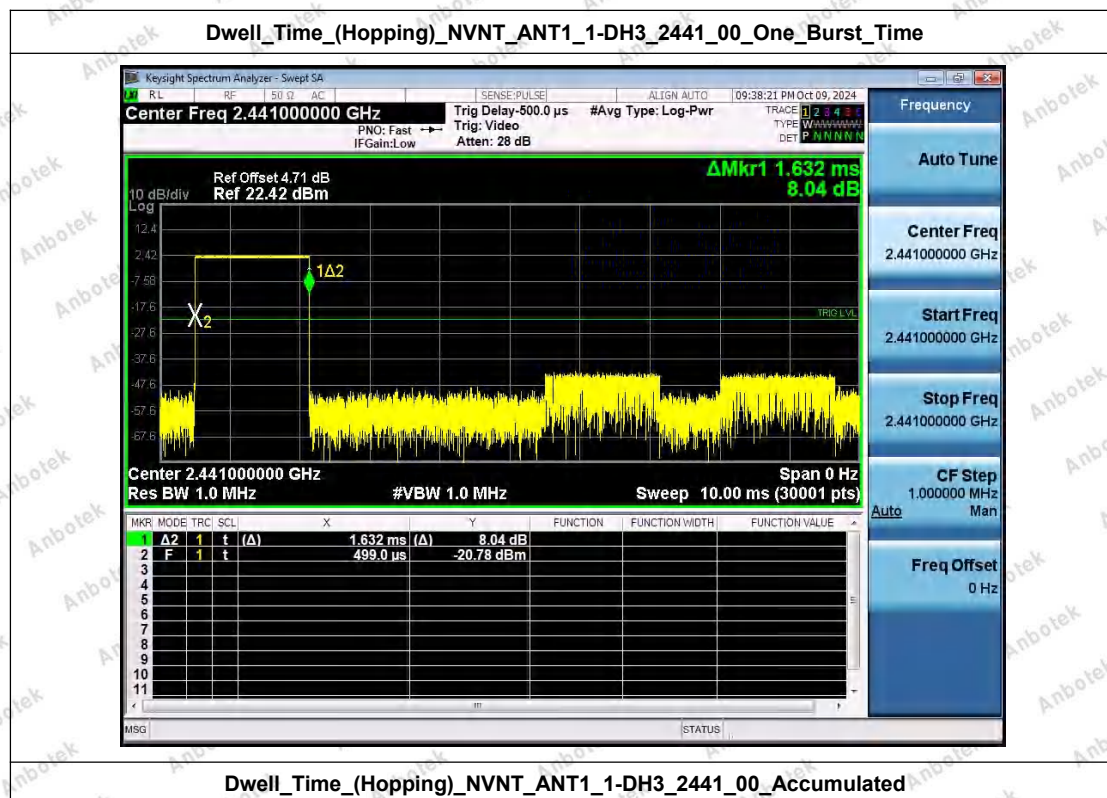


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_Accumulated



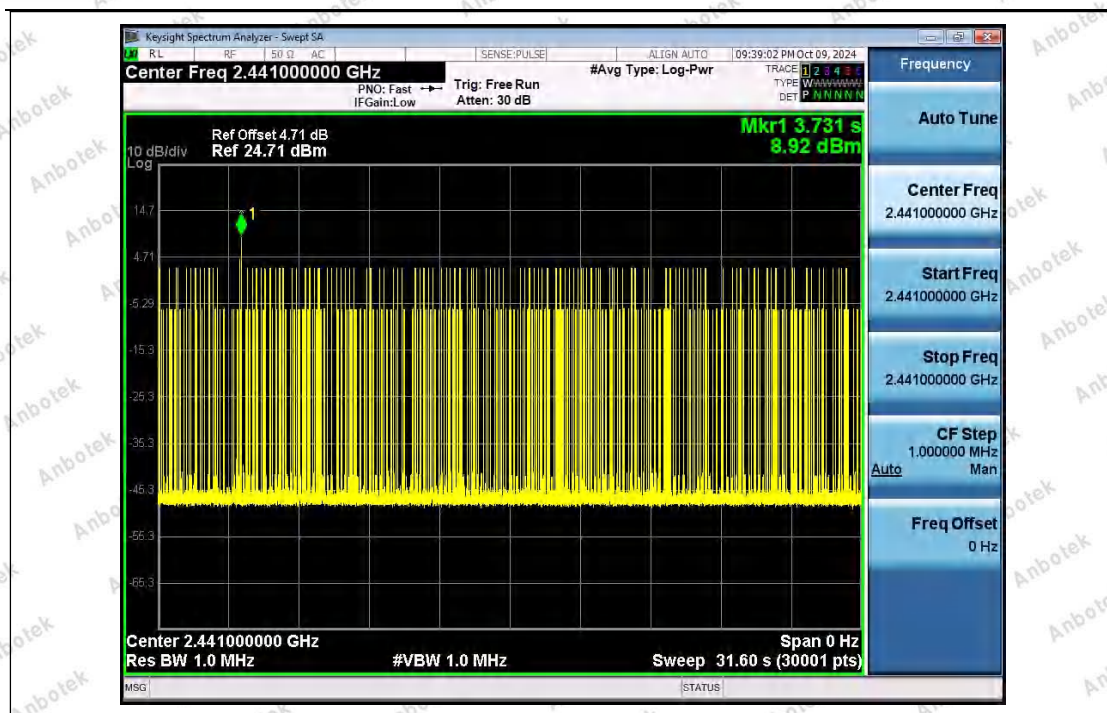


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time

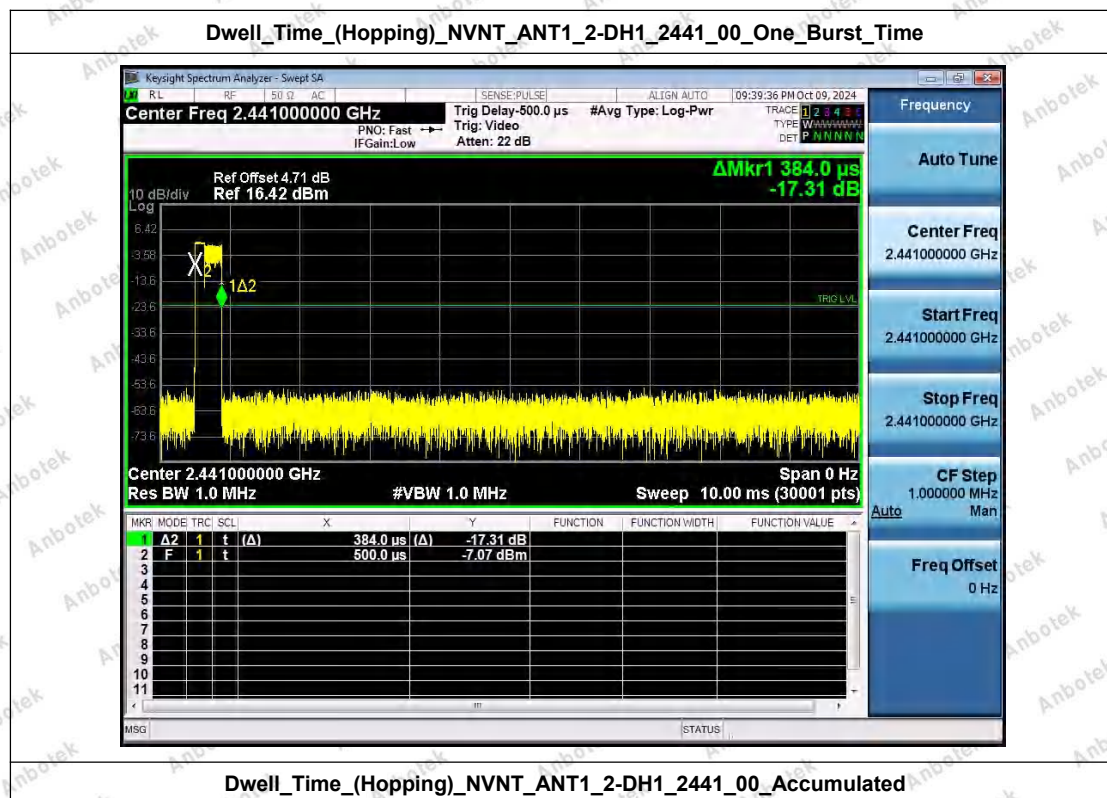


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated



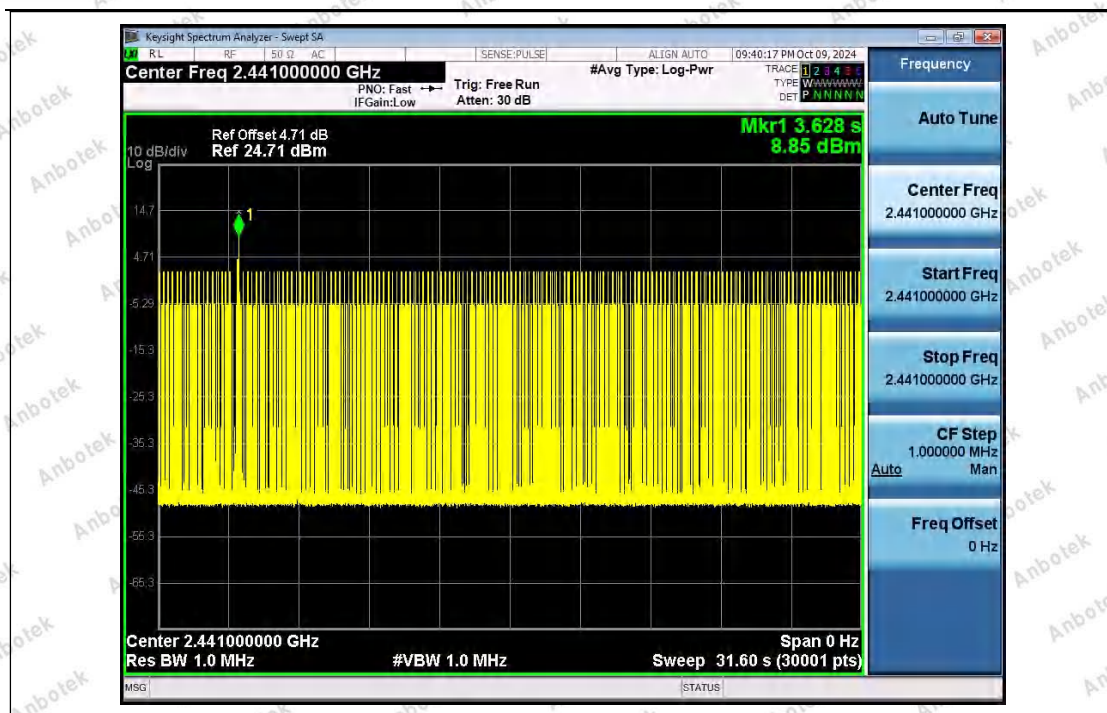


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time

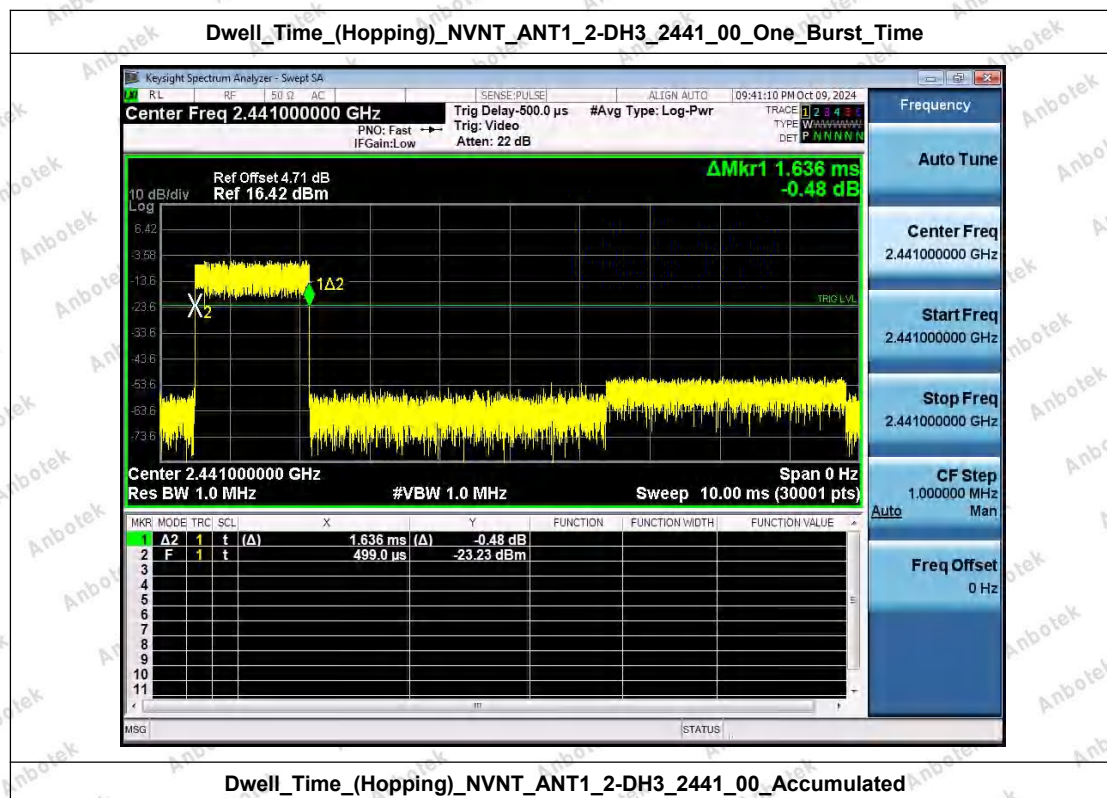


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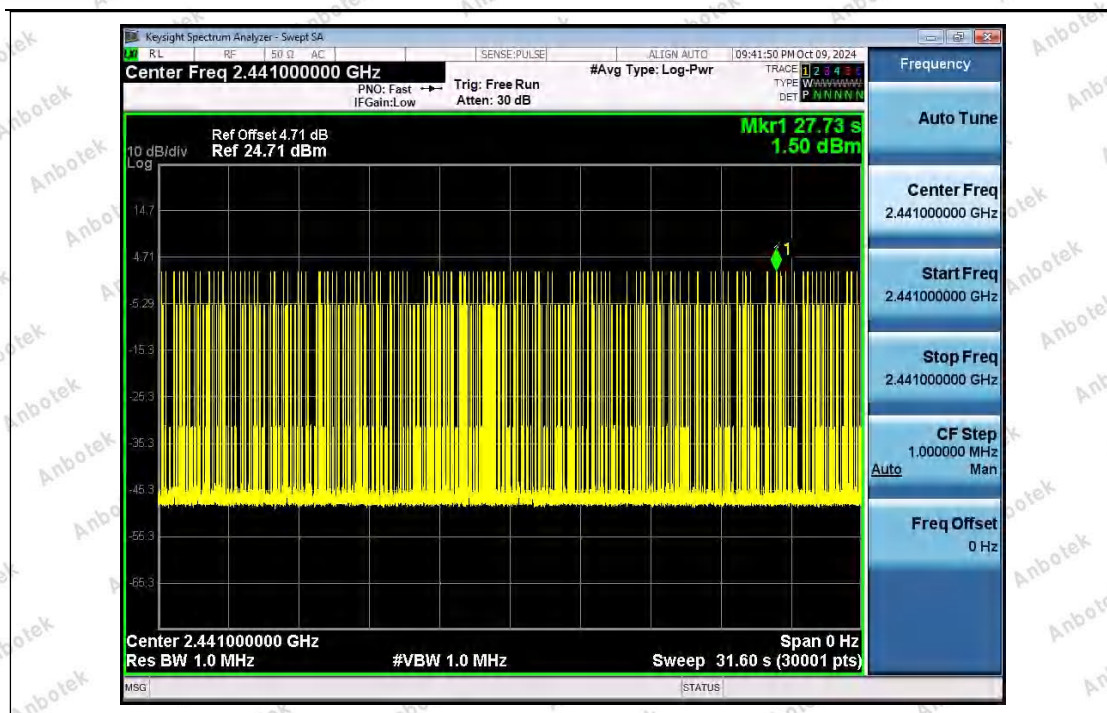


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time

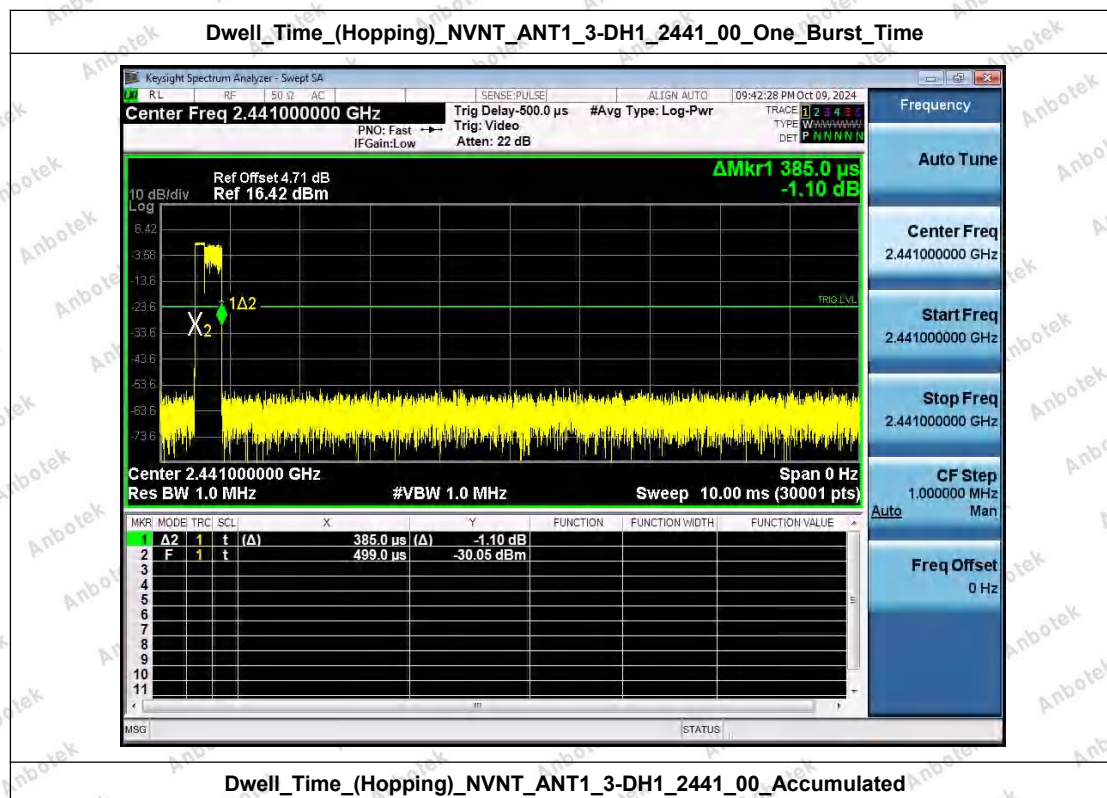


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_Accumulated





Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated

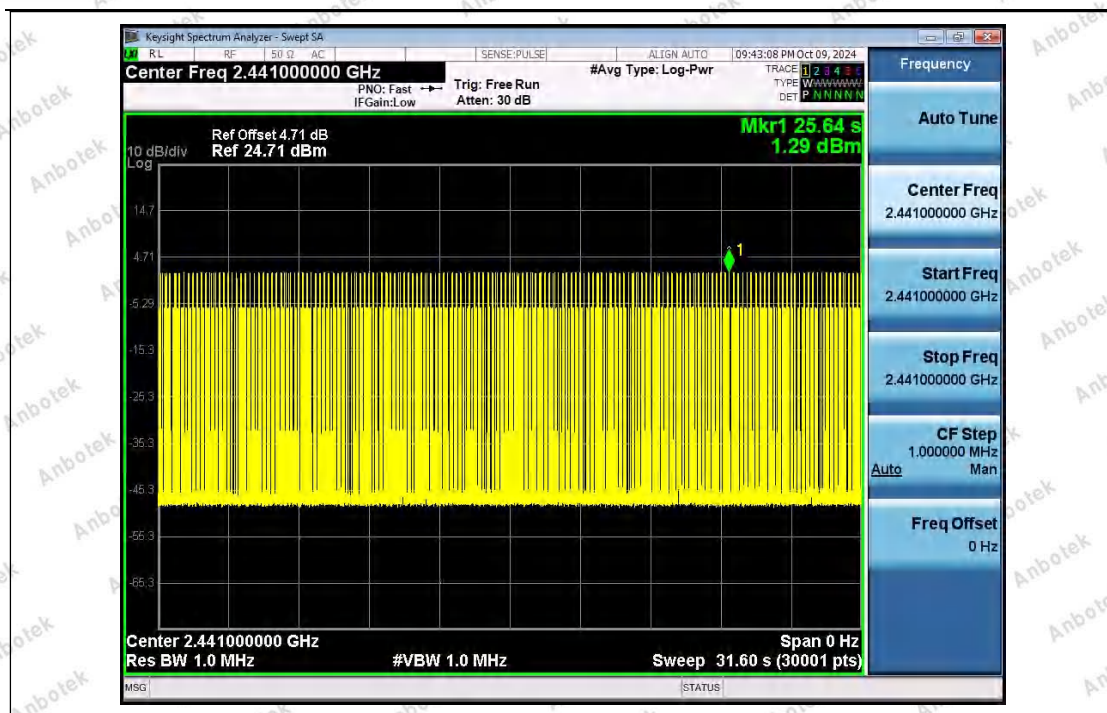
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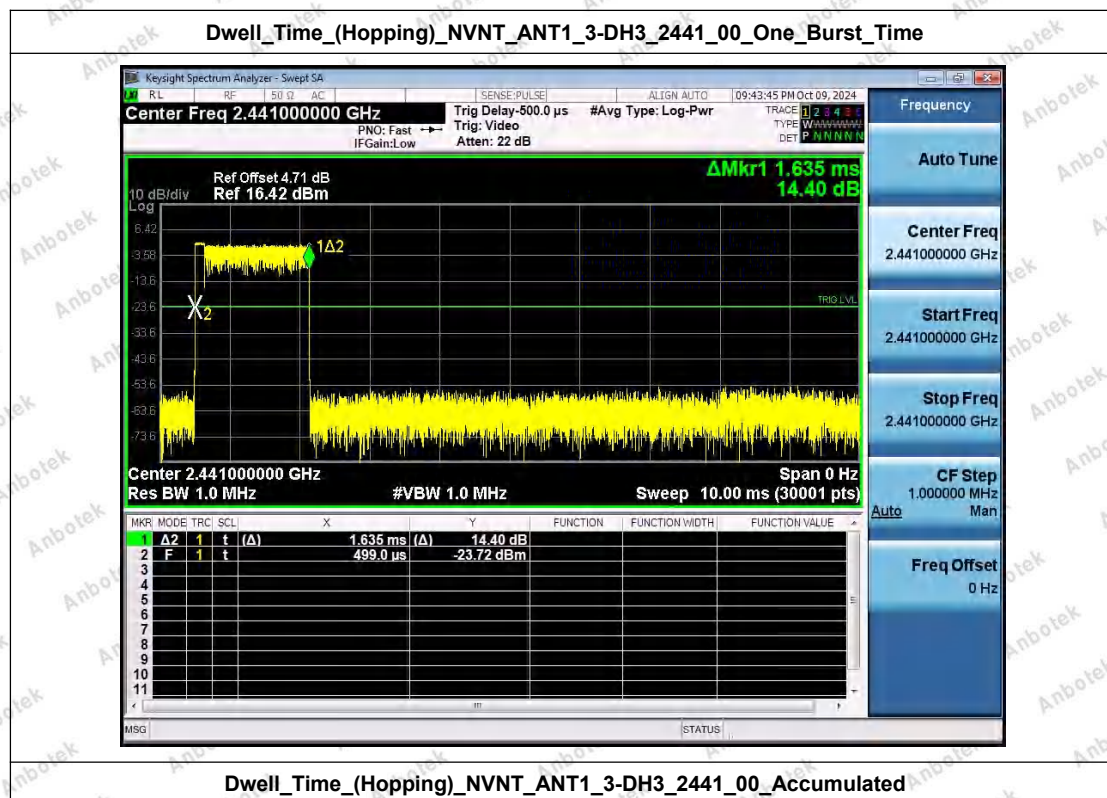


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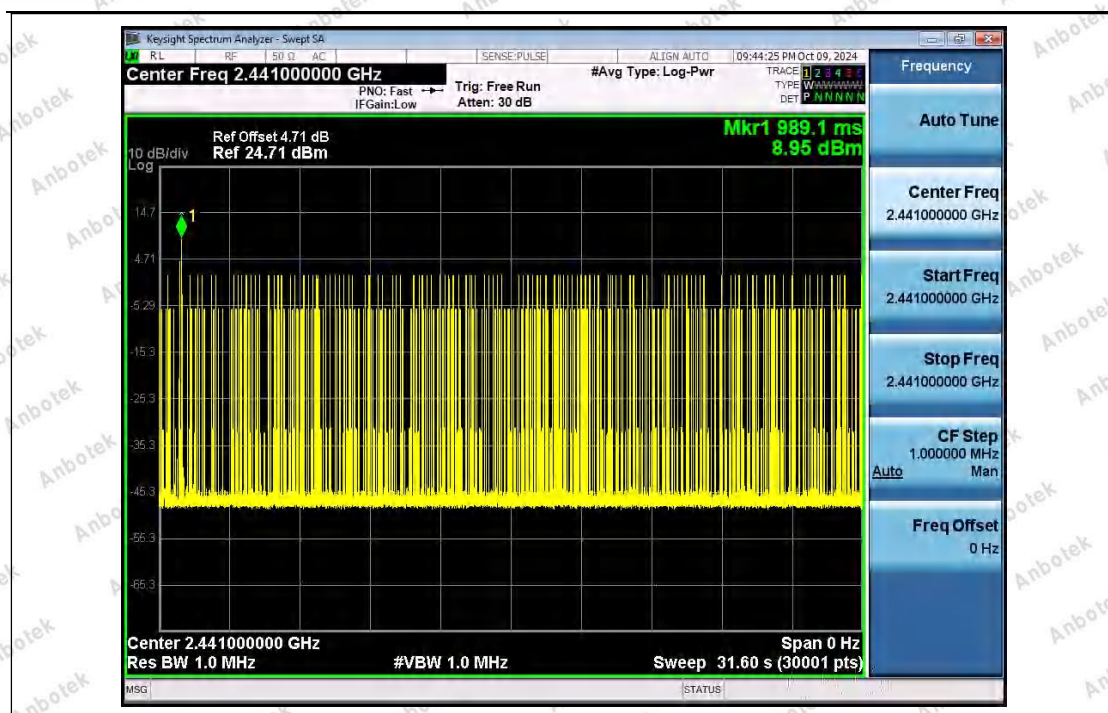


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated





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