

Appendix Test Data

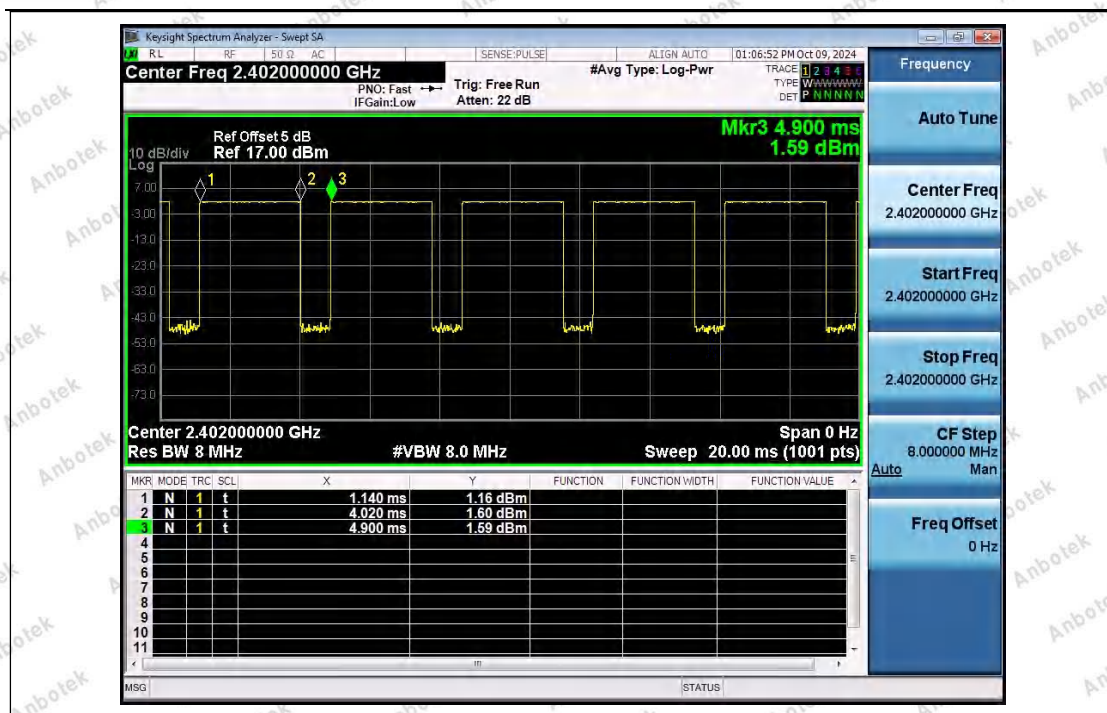
Report No.:	1812C40094012501	Test Sample No.:	1-2-2
Start Test Date:	2024.10.9	Finish Test Date:	2024.10.9
Test Engineer:	Joker Mung	Auditor:	Justin Feng
Temperature:	24.2℃	Relative Humidity:	56%
Pressure:	101kPa		

Appendix A: Duty Cycle

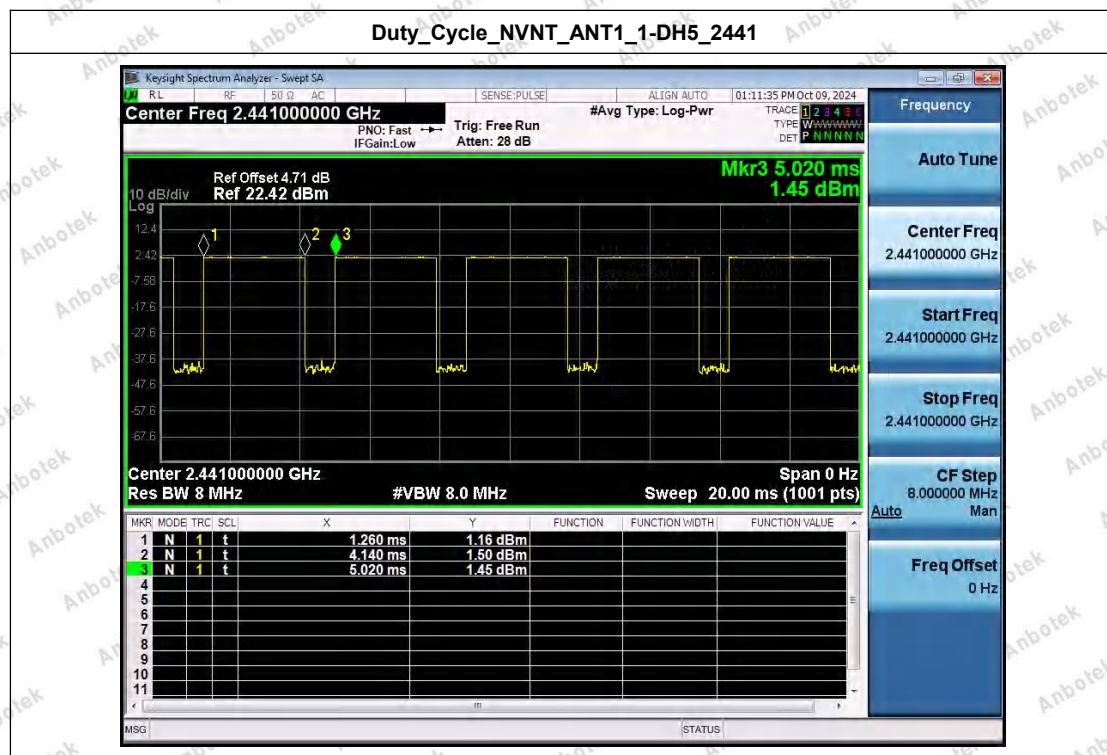
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.13	1.13
NVNT	ANT1	1-DH5	2441.00	77.13	1.13
NVNT	ANT1	1-DH5	2480.00	77.54	1.10
NVNT	ANT1	2-DH5	2402.00	77.13	1.13
NVNT	ANT1	2-DH5	2441.00	77.66	1.10
NVNT	ANT1	2-DH5	2480.00	77.54	1.10
NVNT	ANT1	3-DH5	2402.00	43.32	3.63
NVNT	ANT1	3-DH5	2441.00	43.62	3.60
NVNT	ANT1	3-DH5	2480.00	43.32	3.63

Duty_Cycle_NVNT_ANT1_1-DH5_2402



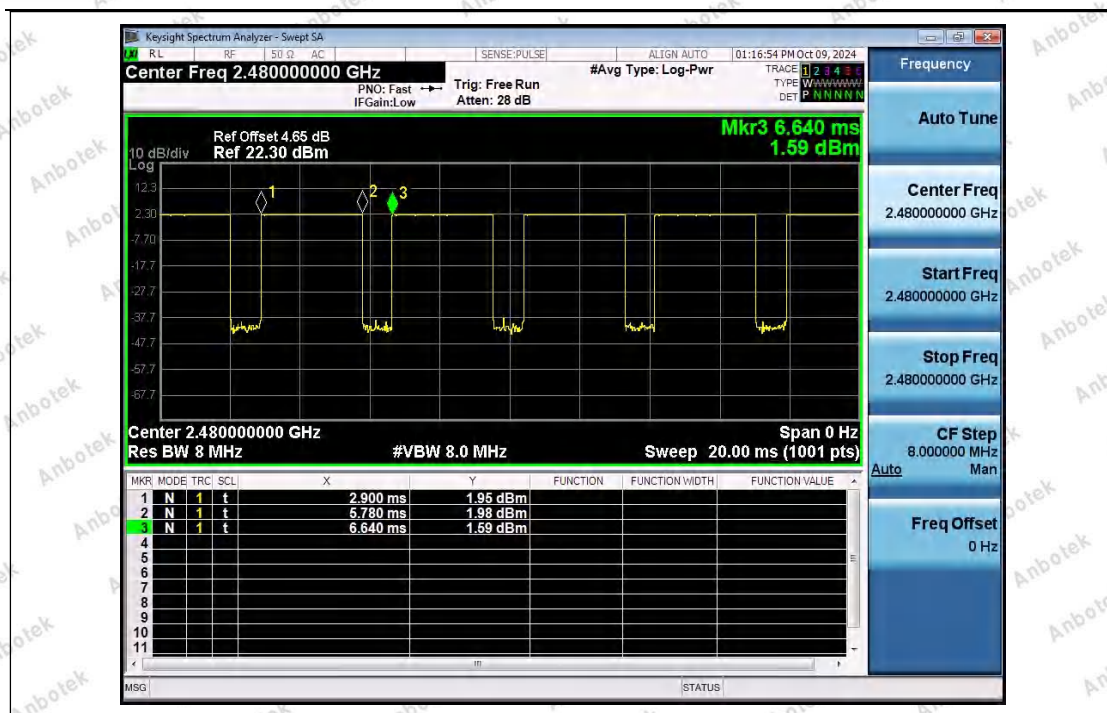


Duty_Cycle_NVNT_ANT1_1-DH5_2441

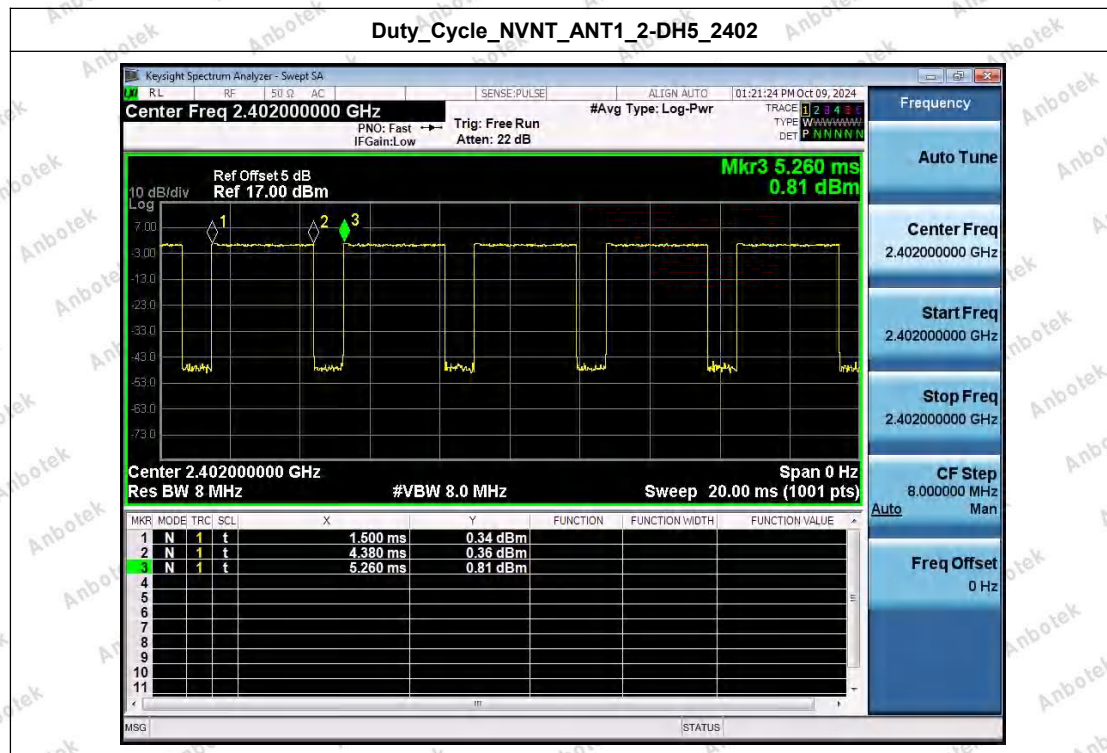


Duty_Cycle_NVNT_ANT1_1-DH5_2480



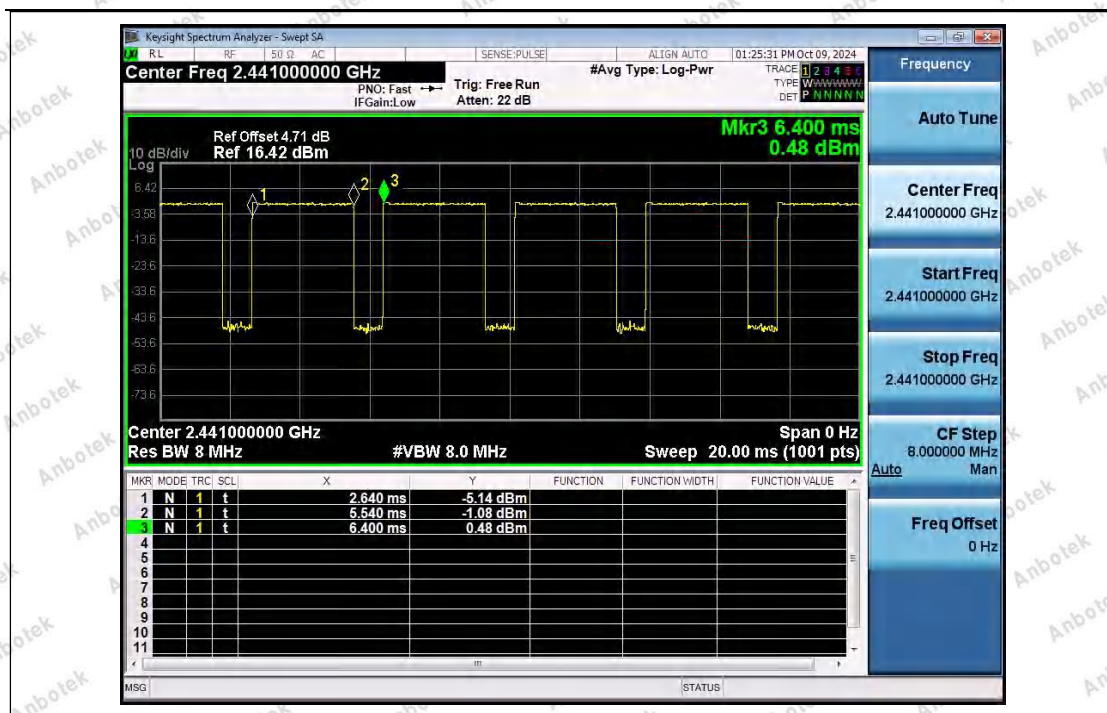


Duty_Cycle_NVNT_ANT1_2-DH5_2402

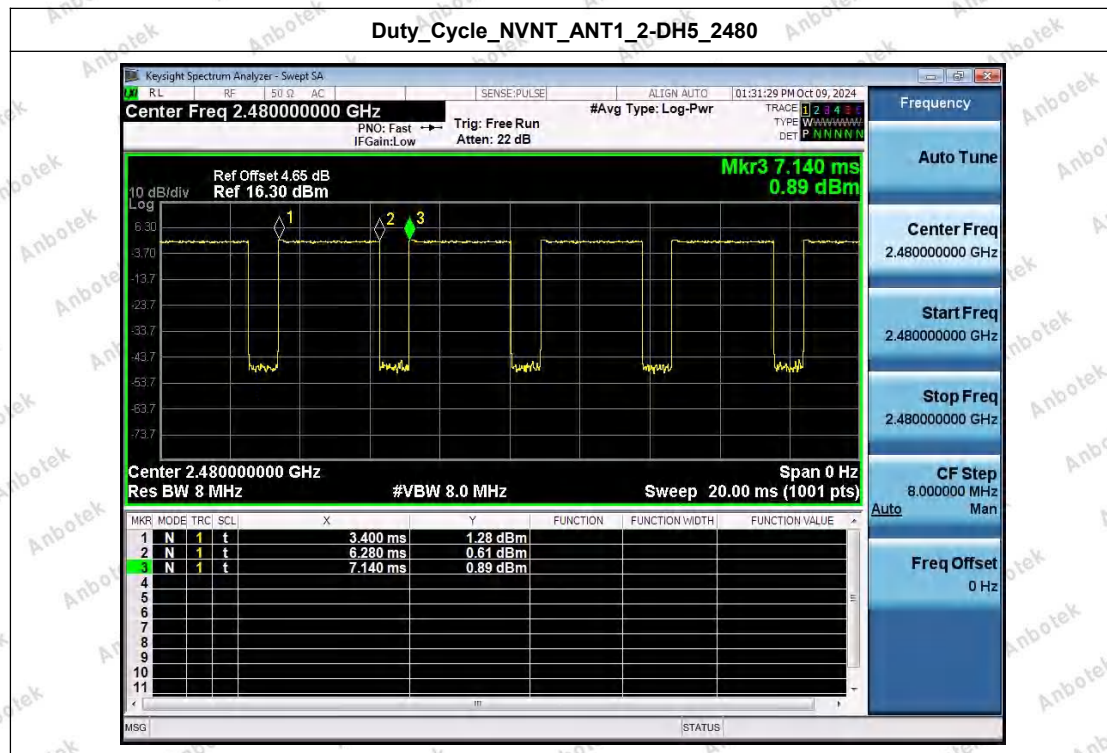


Duty_Cycle_NVNT_ANT1_2-DH5_2441



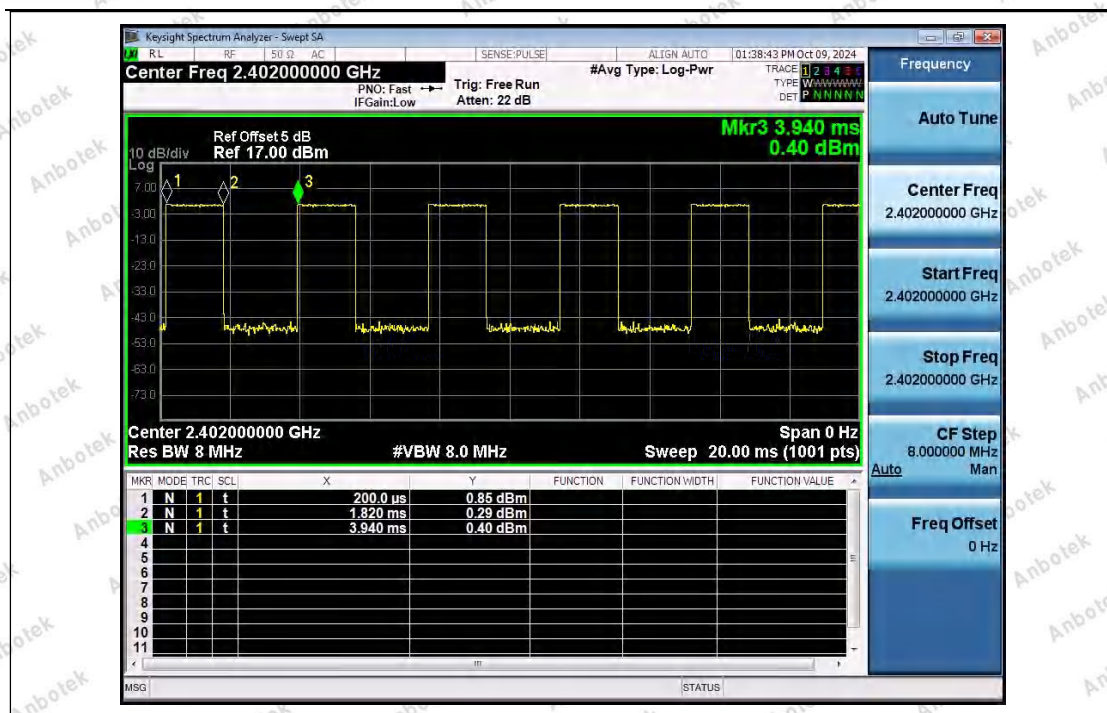


Duty_Cycle_NVNT_ANT1_2-DH5_2480

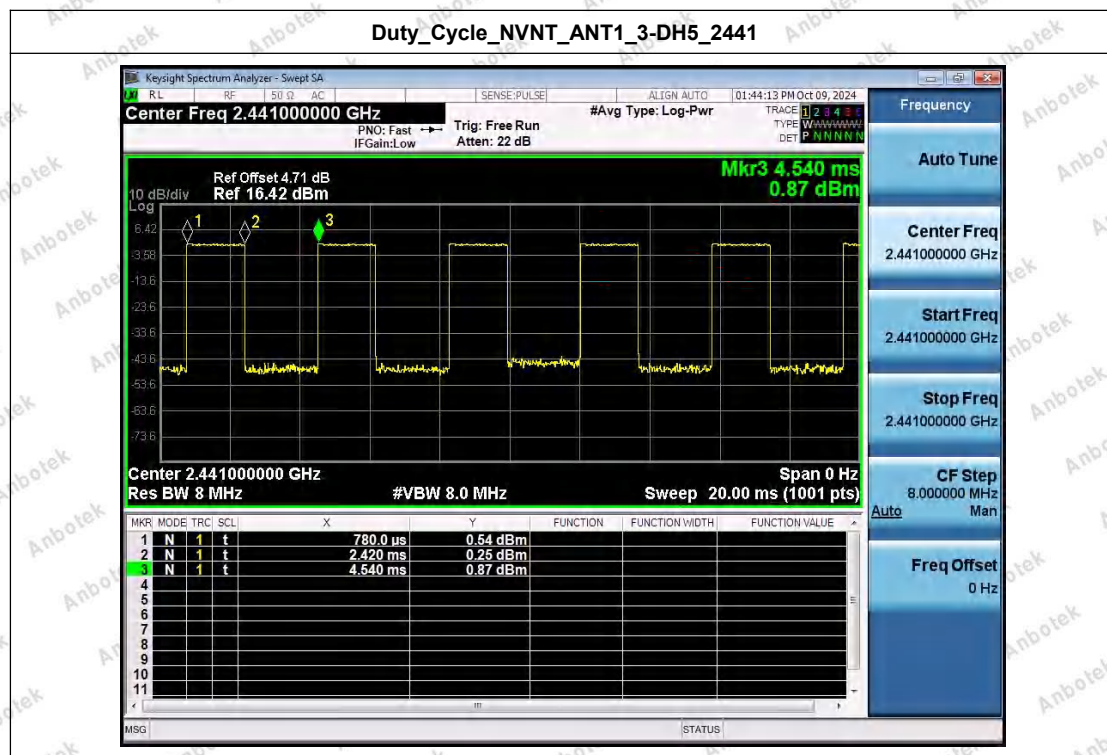


Duty_Cycle_NVNT_ANT1_3-DH5_2402



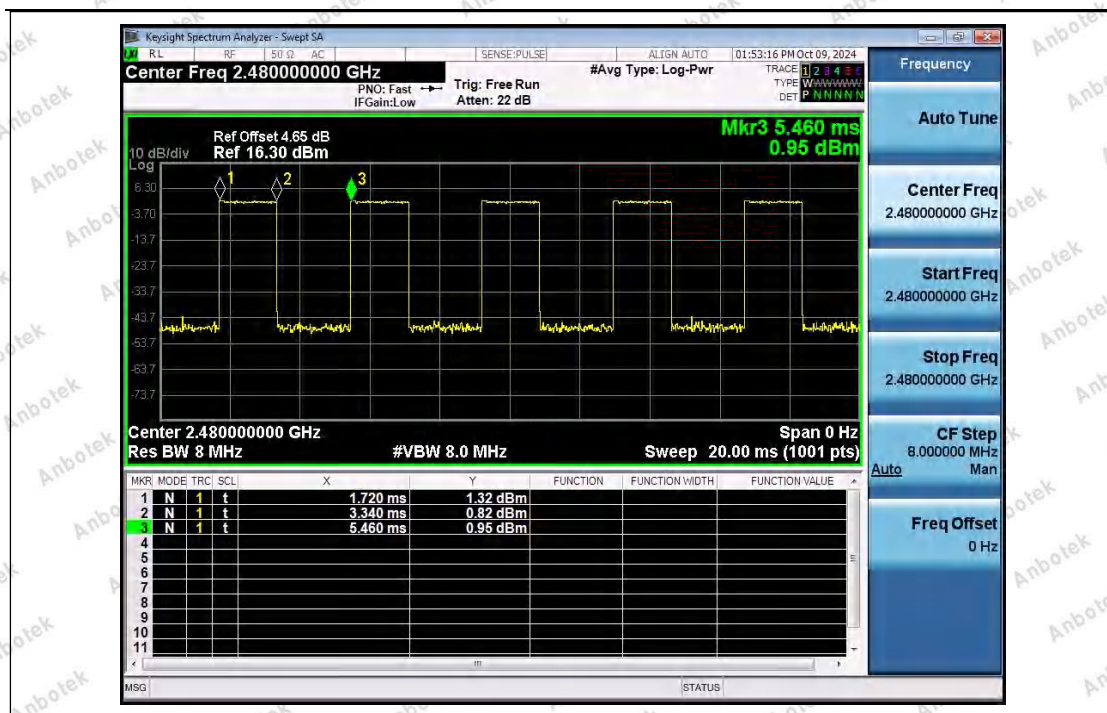


Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480





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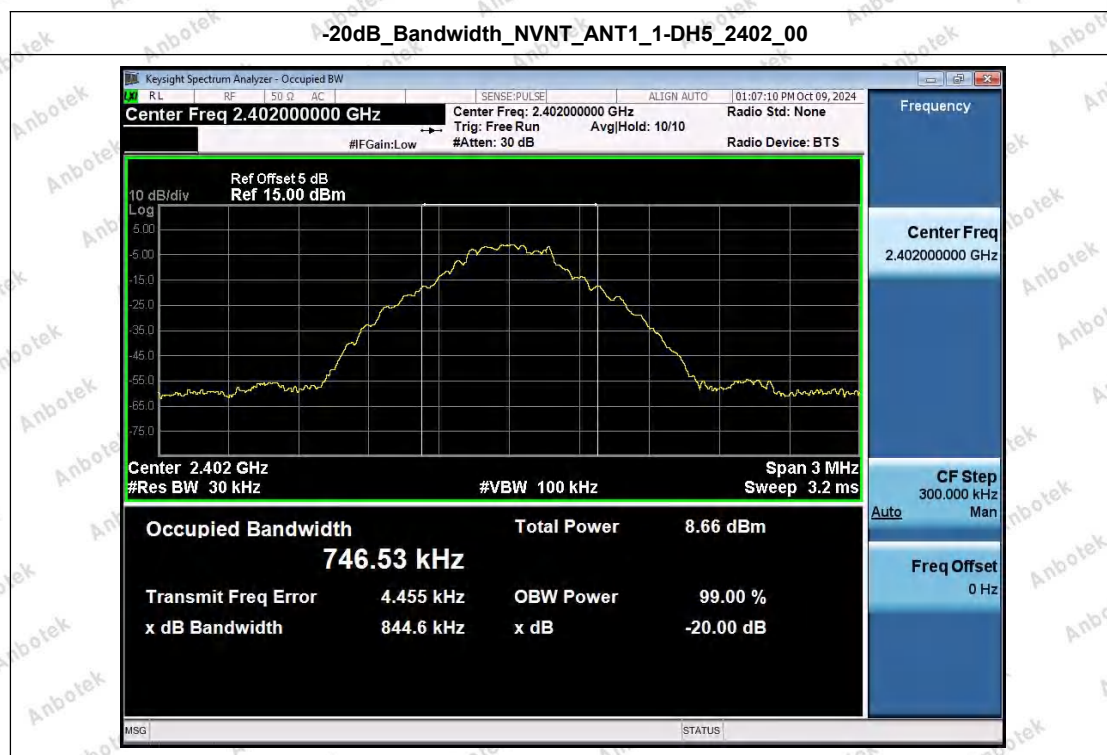
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Appendix B: -20dB Bandwidth

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	0.851	No
NVNT	ANT1	1-DH5	2480.00	0.843	No
NVNT	ANT1	2-DH5	2402.00	1.278	Yes
NVNT	ANT1	2-DH5	2441.00	1.272	Yes
NVNT	ANT1	2-DH5	2480.00	1.268	Yes
NVNT	ANT1	3-DH5	2402.00	1.258	Yes
NVNT	ANT1	3-DH5	2441.00	1.261	Yes
NVNT	ANT1	3-DH5	2480.00	1.264	Yes

-20dB_Bandwidth_NVNT_ANT1_1-DH5_2402_00

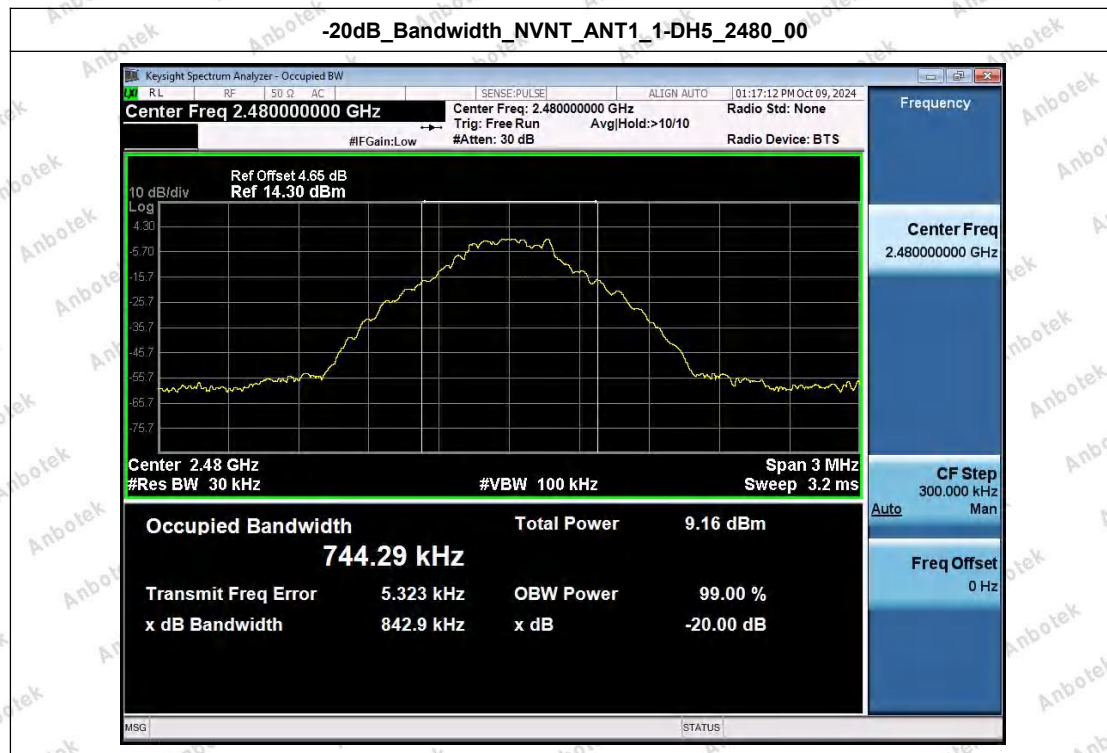


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00





-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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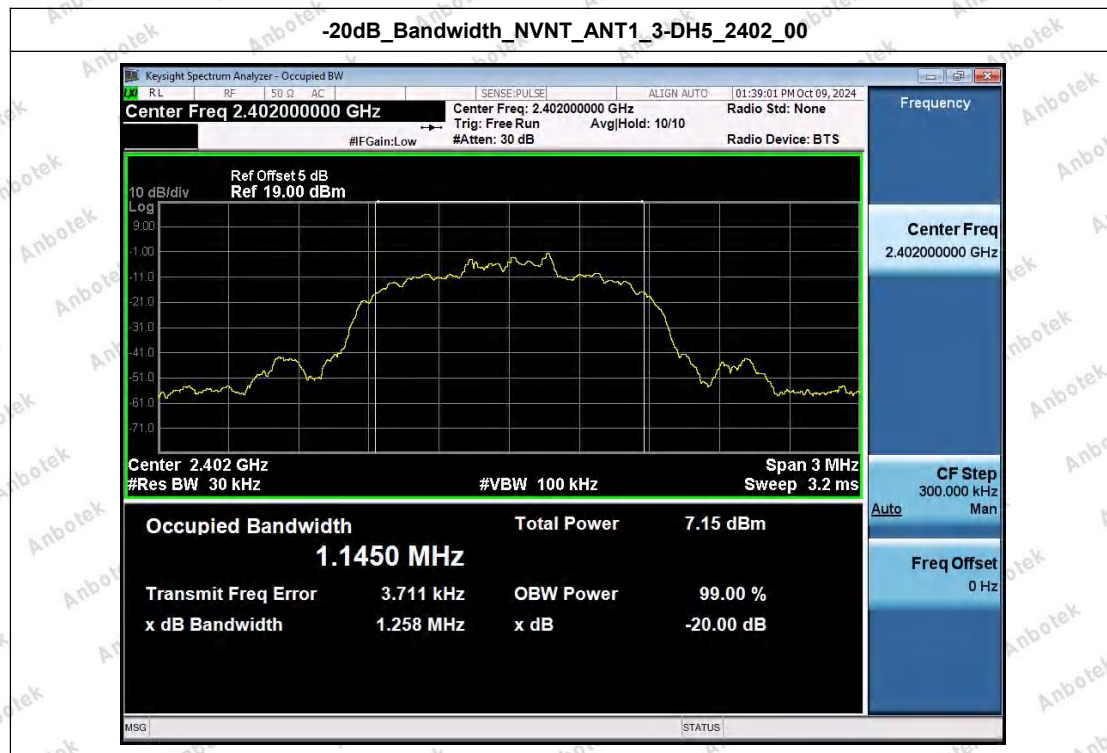


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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00

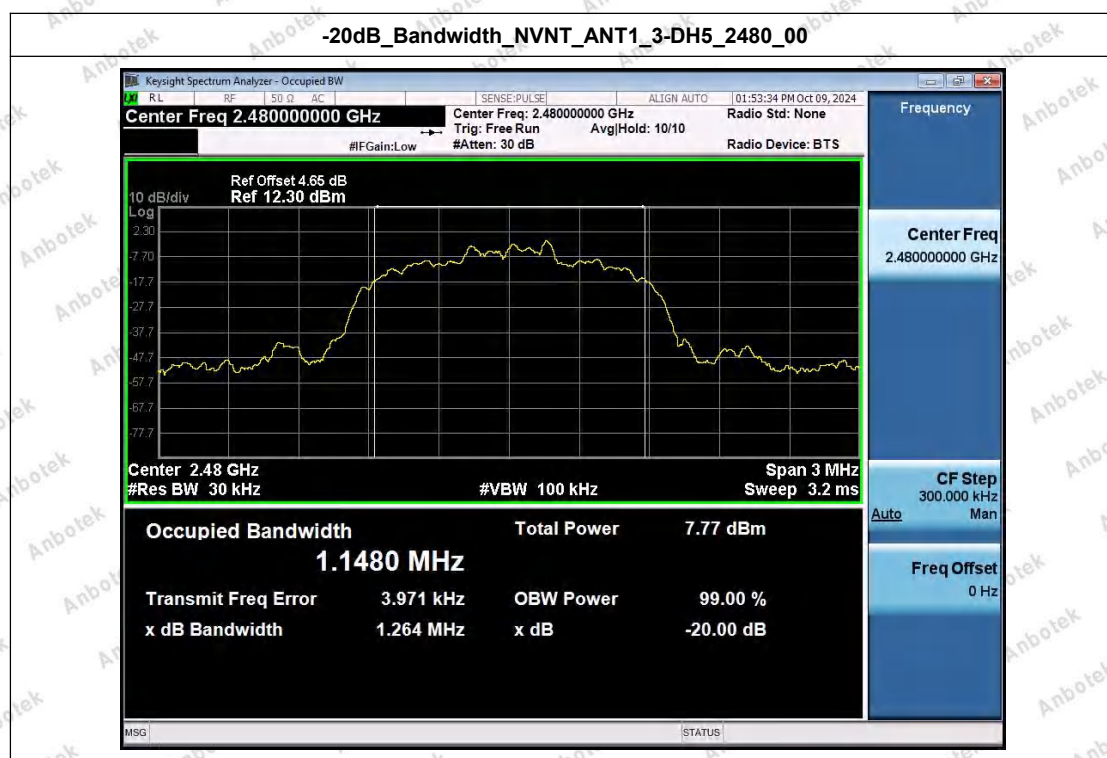
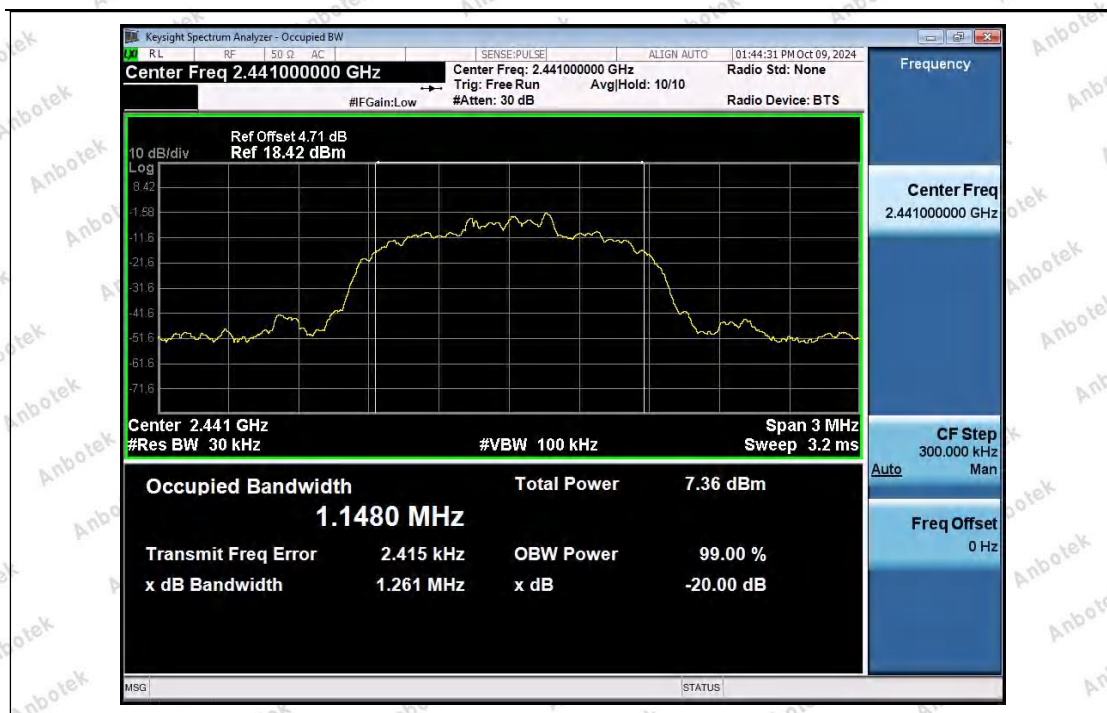
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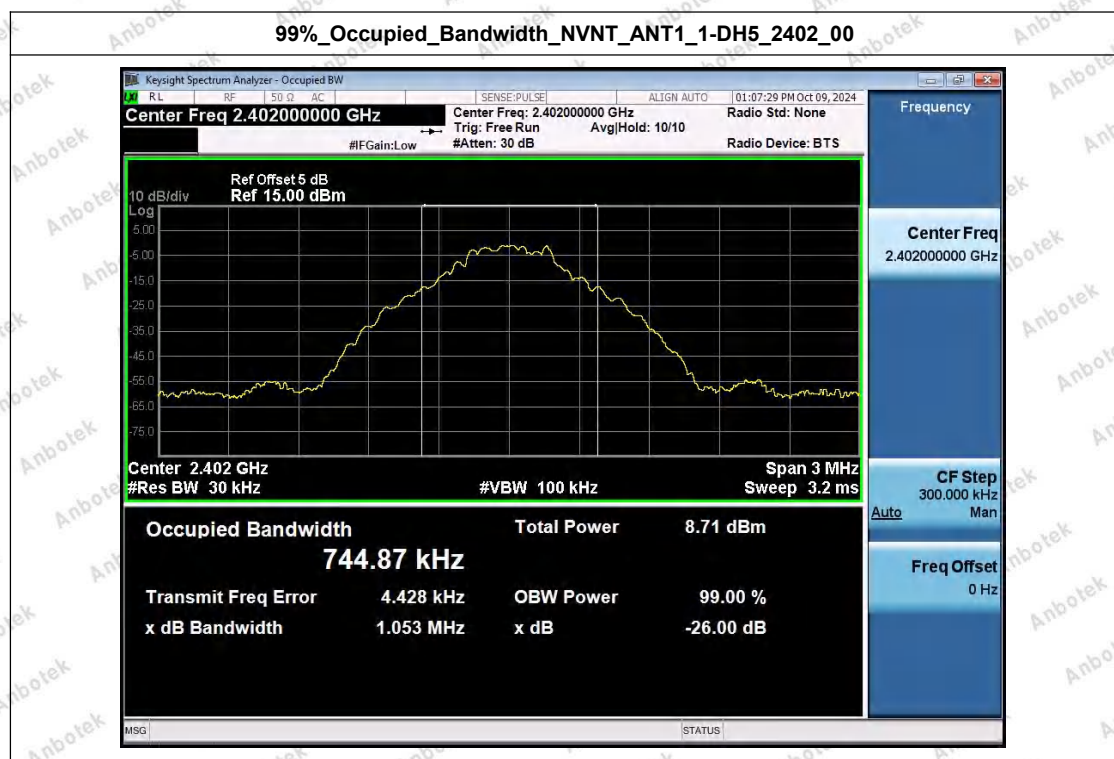
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Appendix C: 99% Occupied Bandwidth

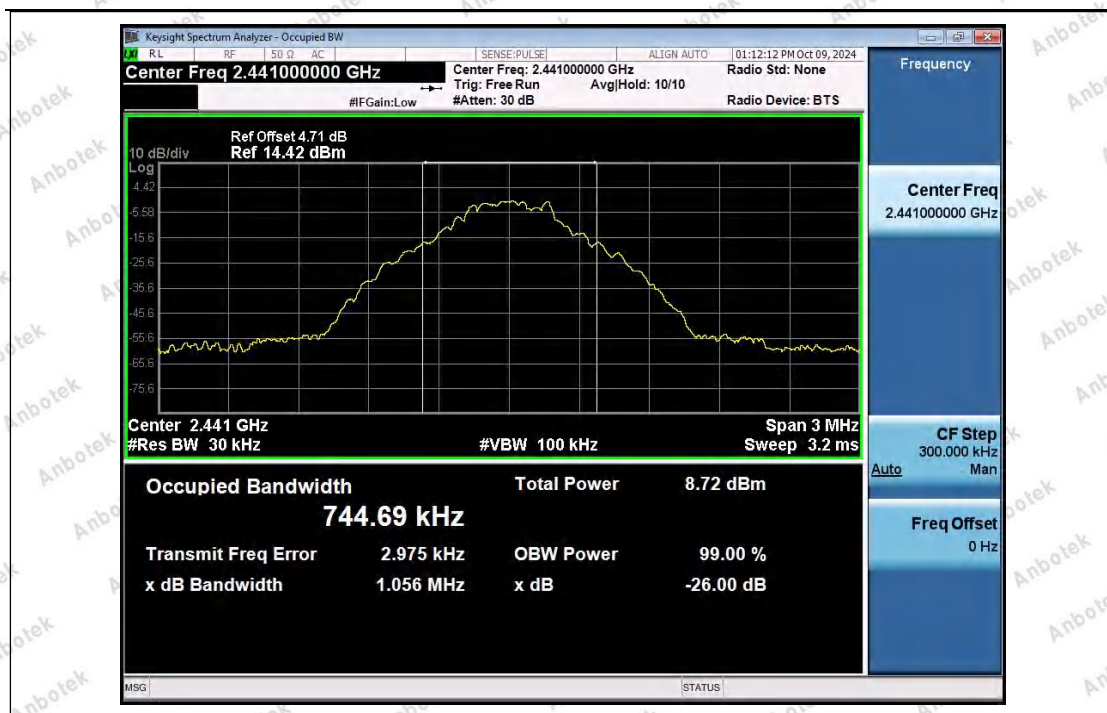
Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.745
NVNT	ANT1	1-DH5	2441.00	0.745
NVNT	ANT1	1-DH5	2480.00	0.747
NVNT	ANT1	2-DH5	2402.00	1.148
NVNT	ANT1	2-DH5	2441.00	1.147
NVNT	ANT1	2-DH5	2480.00	1.144
NVNT	ANT1	3-DH5	2402.00	1.146
NVNT	ANT1	3-DH5	2441.00	1.149
NVNT	ANT1	3-DH5	2480.00	1.148

99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00

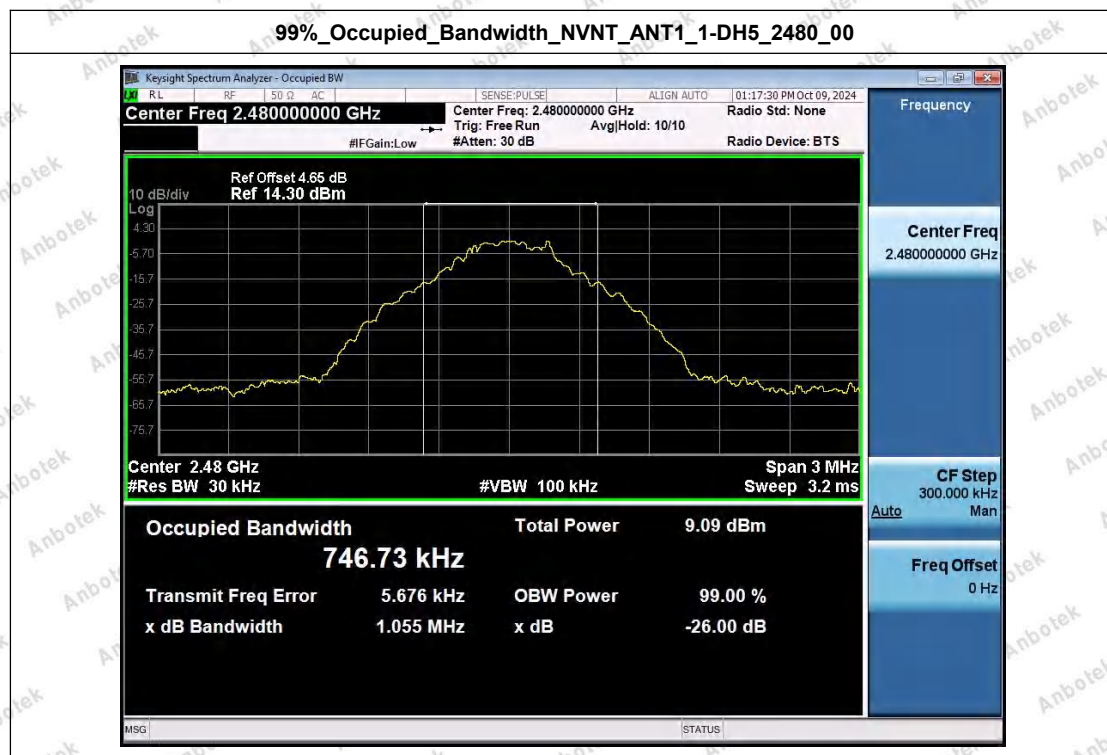


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00





99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00

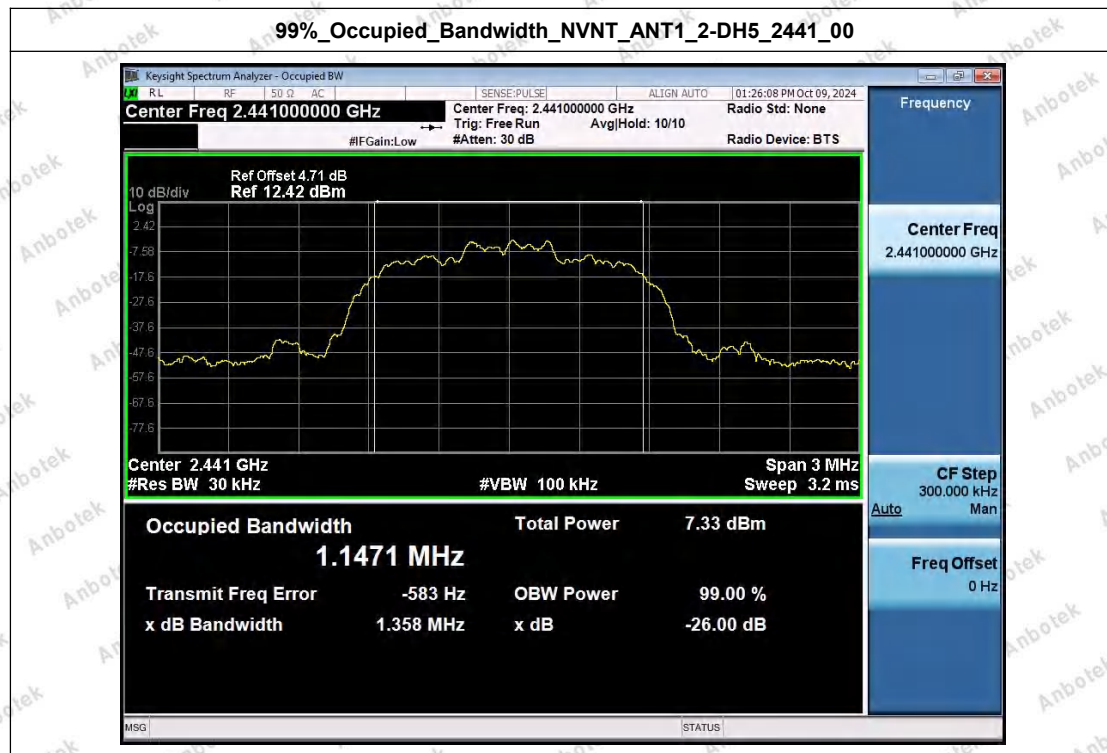


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00





99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00

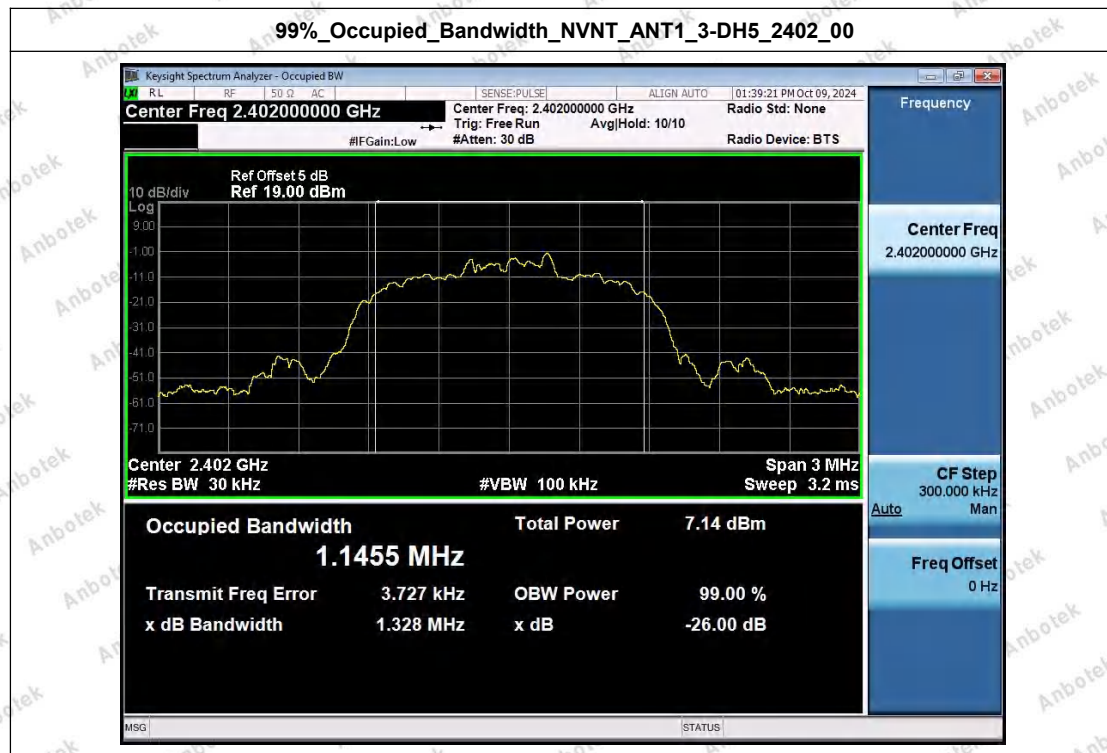


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



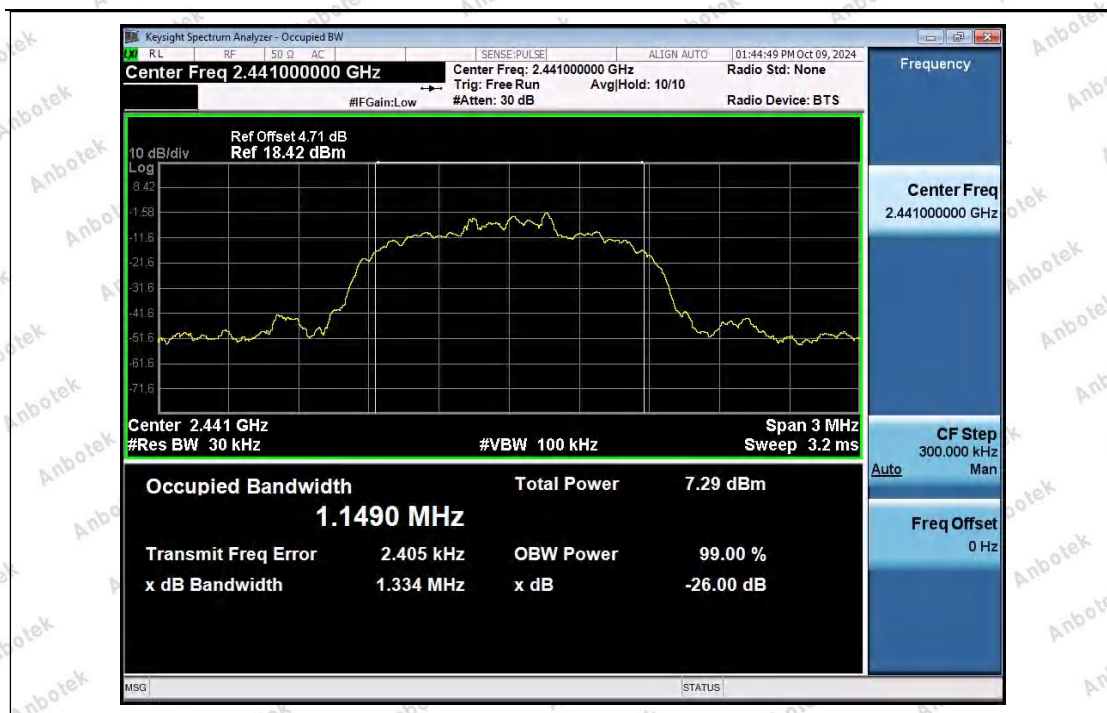


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00

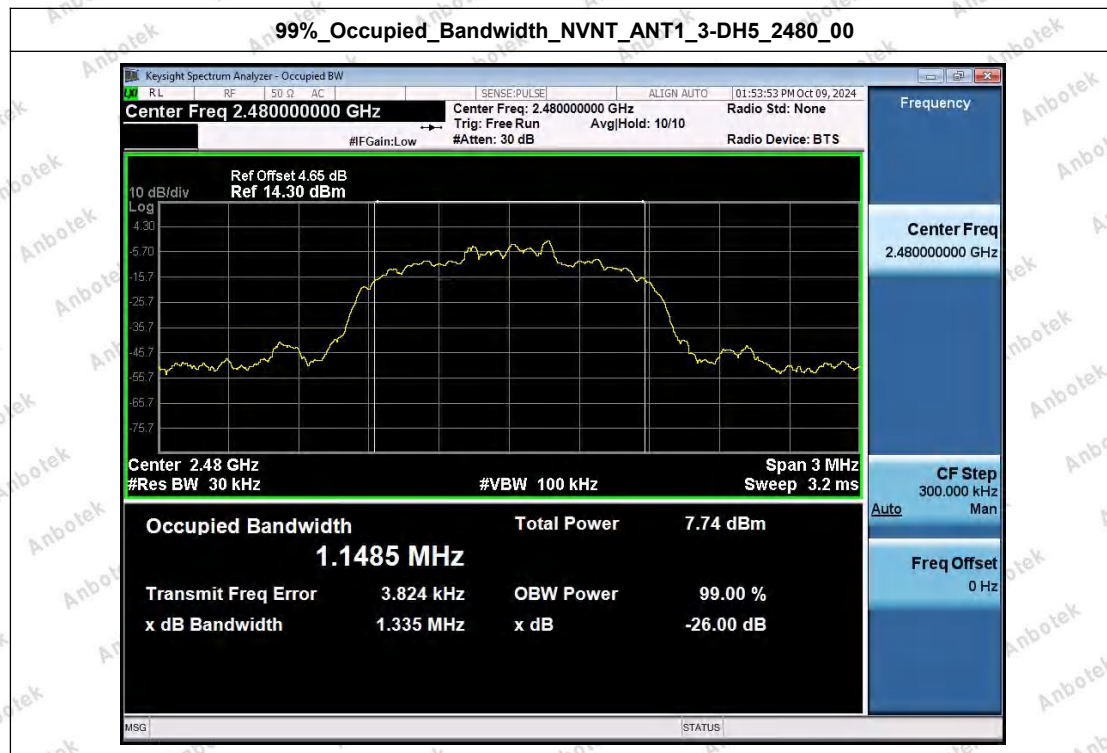


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00





99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00



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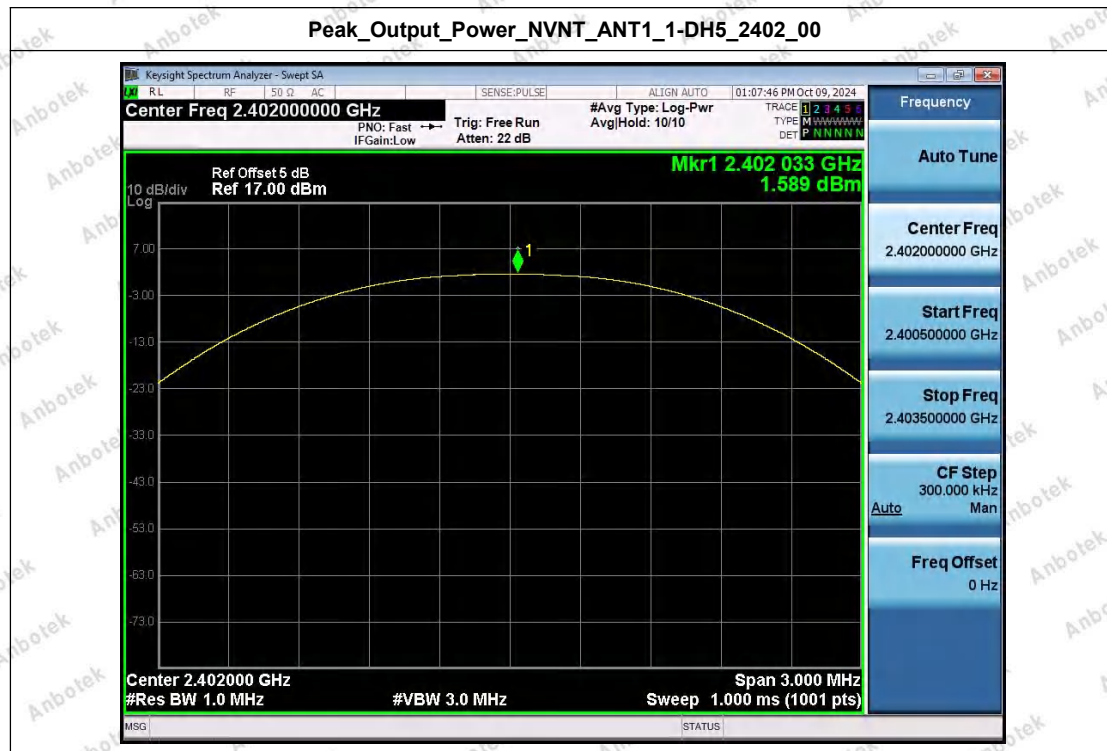
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Appendix D: Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	1.59	1.44	125	Pass
NVNT	ANT1	1-DH5	2441.00	1.49	1.41	125	Pass
NVNT	ANT1	1-DH5	2480.00	1.62	1.45	125	Pass
NVNT	ANT1	2-DH5	2402.00	0.83	1.21	125	Pass
NVNT	ANT1	2-DH5	2441.00	0.92	1.24	125	Pass
NVNT	ANT1	2-DH5	2480.00	1.32	1.35	125	Pass
NVNT	ANT1	3-DH5	2402.00	0.90	1.23	125	Pass
NVNT	ANT1	3-DH5	2441.00	0.99	1.26	125	Pass
NVNT	ANT1	3-DH5	2480.00	1.33	1.36	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00

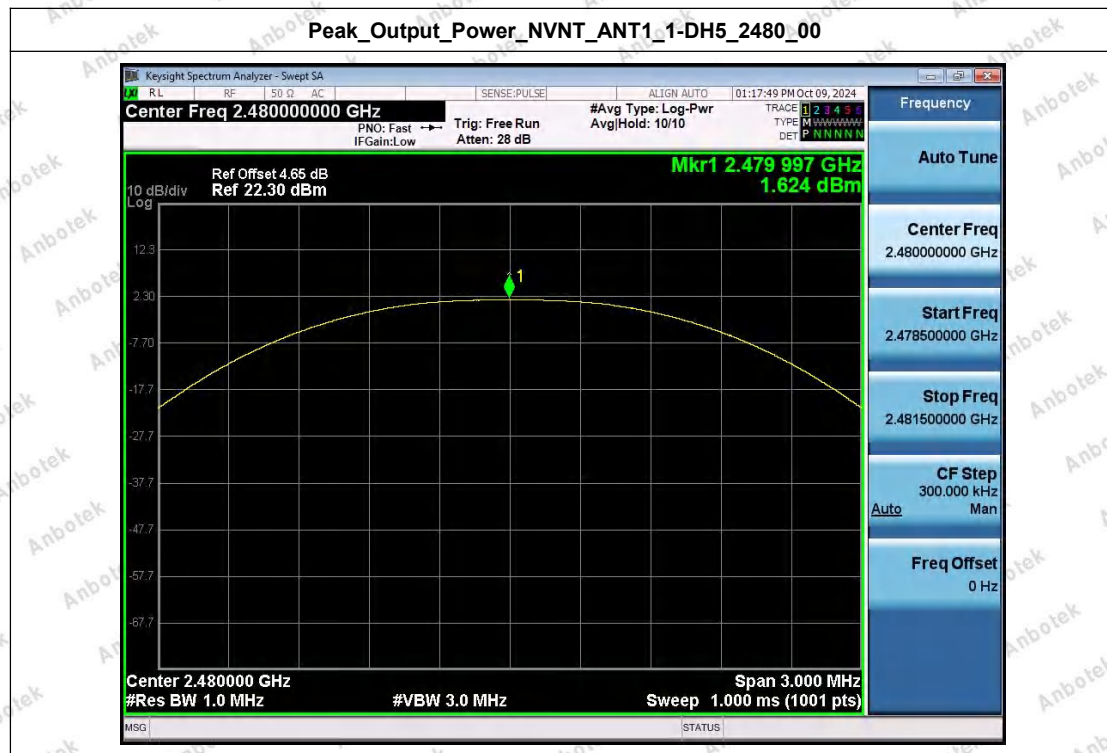


Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00

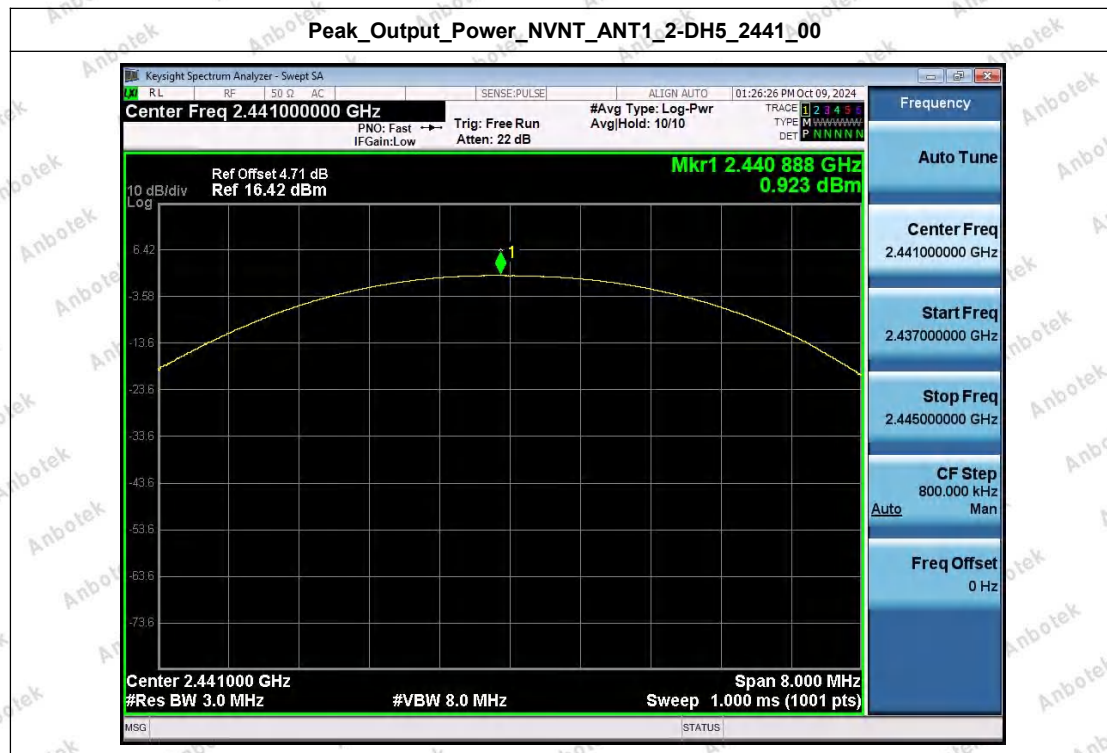


Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00





Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00

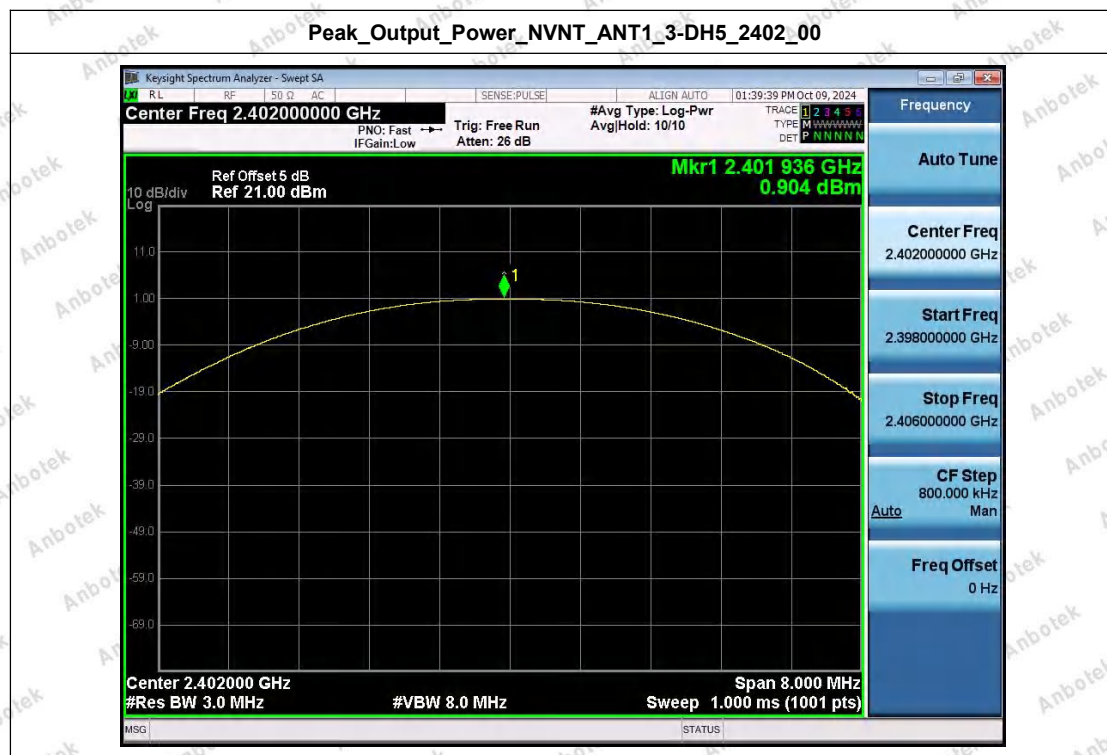


Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00

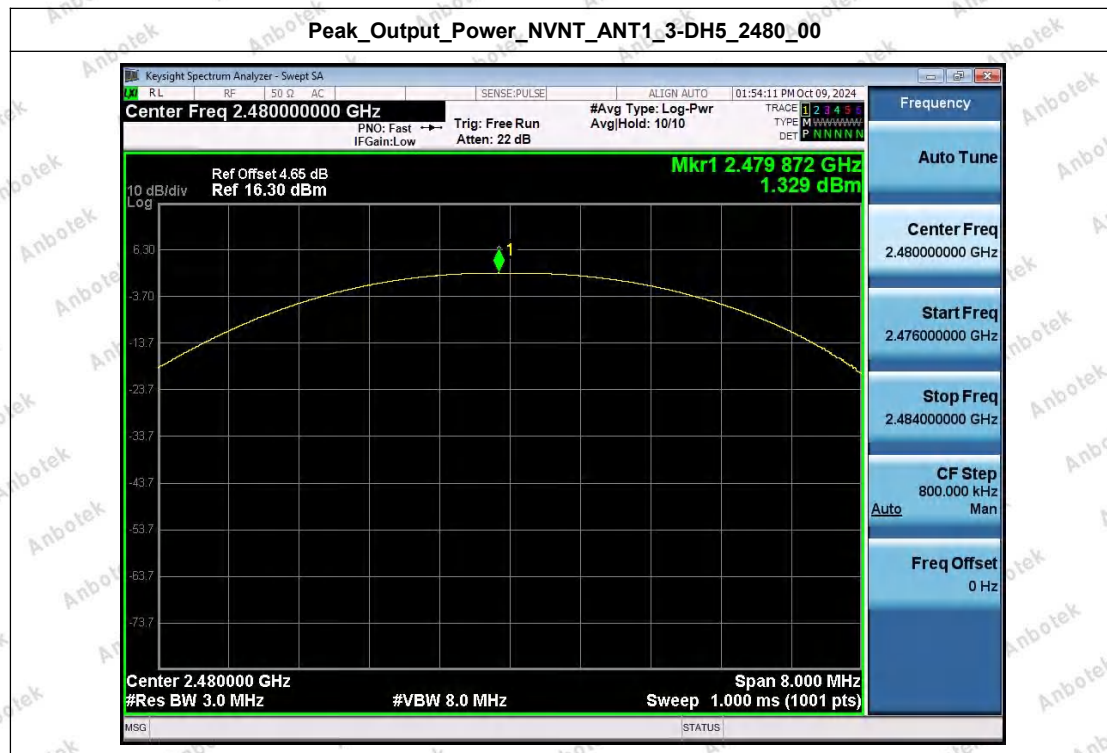


Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00





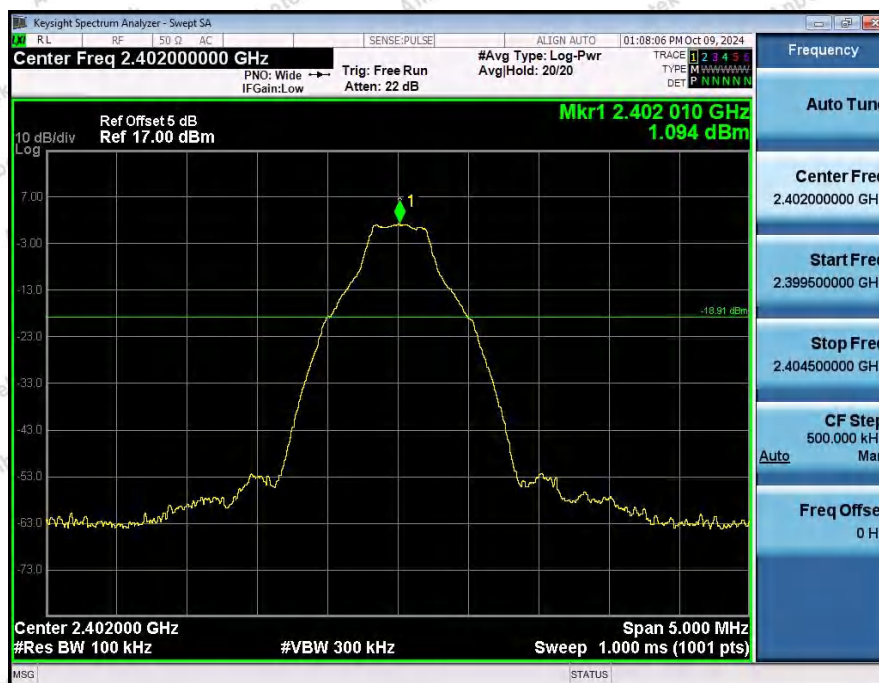
Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Spurious Emissions

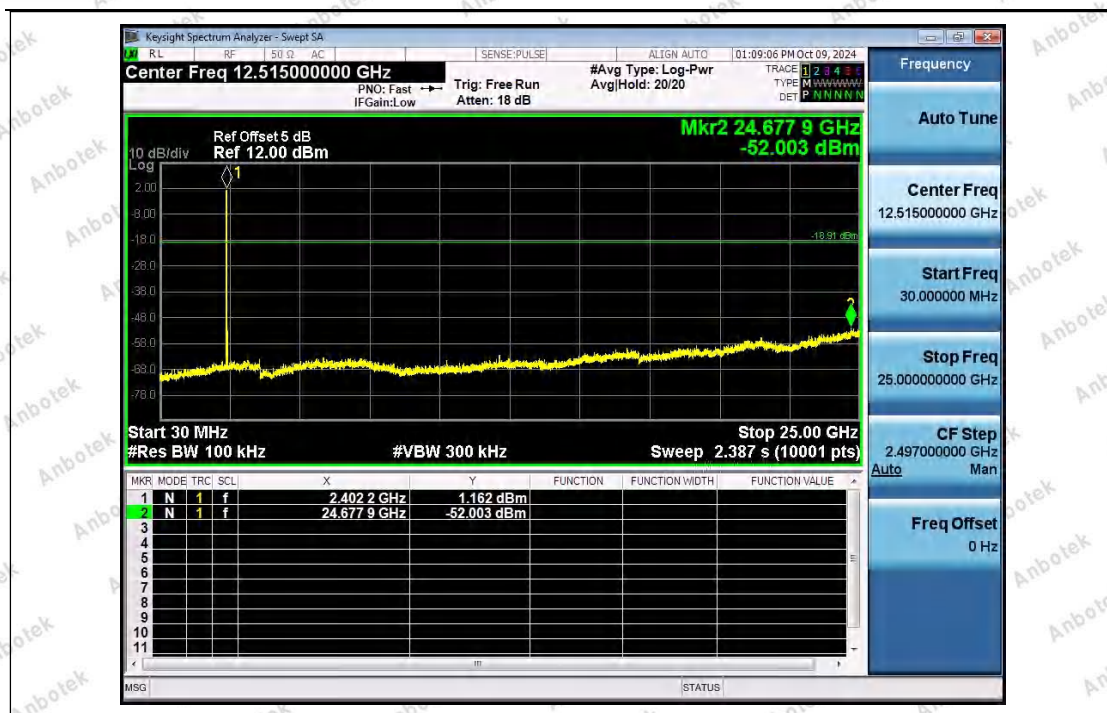
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-52.003	-18.906	Pass
NVNT	ANT1	1-DH5	2441.00	-52.634	-18.940	Pass
NVNT	ANT1	1-DH5	2480.00	-52.363	-18.711	Pass
NVNT	ANT1	2-DH5	2402.00	-48.687	-19.545	Pass
NVNT	ANT1	2-DH5	2441.00	-48.077	-19.631	Pass
NVNT	ANT1	2-DH5	2480.00	-47.601	-19.147	Pass
NVNT	ANT1	3-DH5	2402.00	-48.263	-19.484	Pass
NVNT	ANT1	3-DH5	2441.00	-47.924	-19.451	Pass
NVNT	ANT1	3-DH5	2480.00	-52.232	-18.999	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

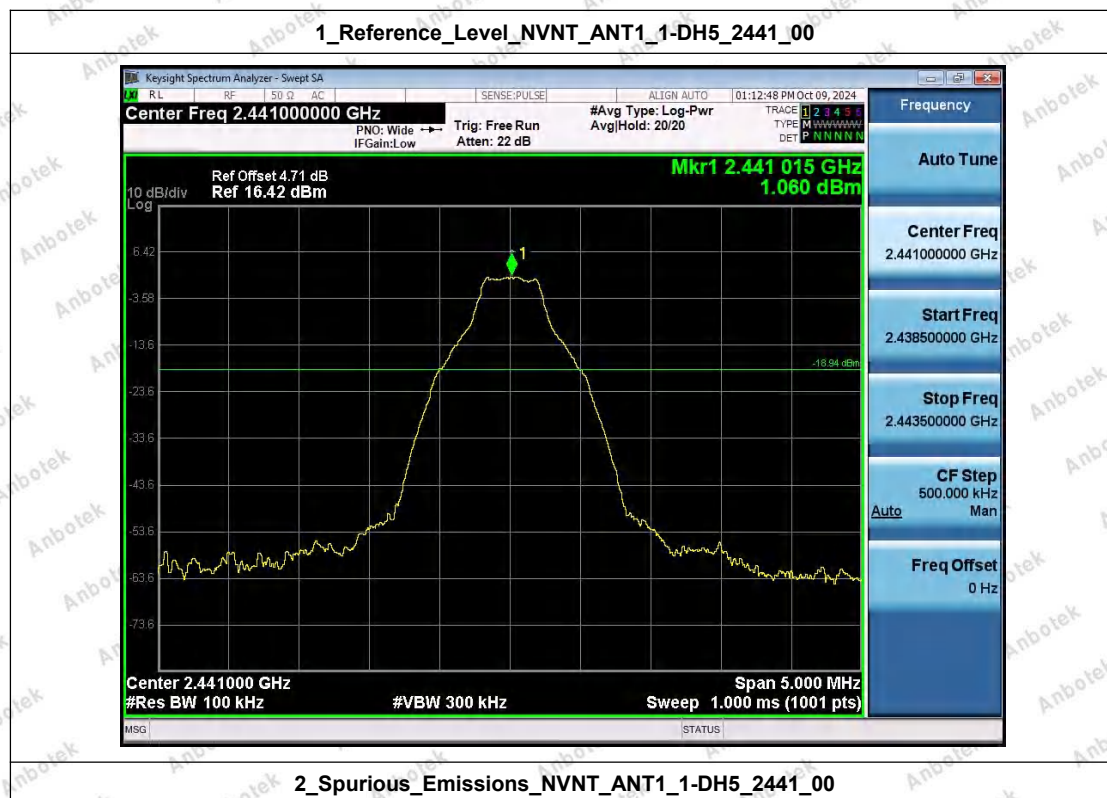


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



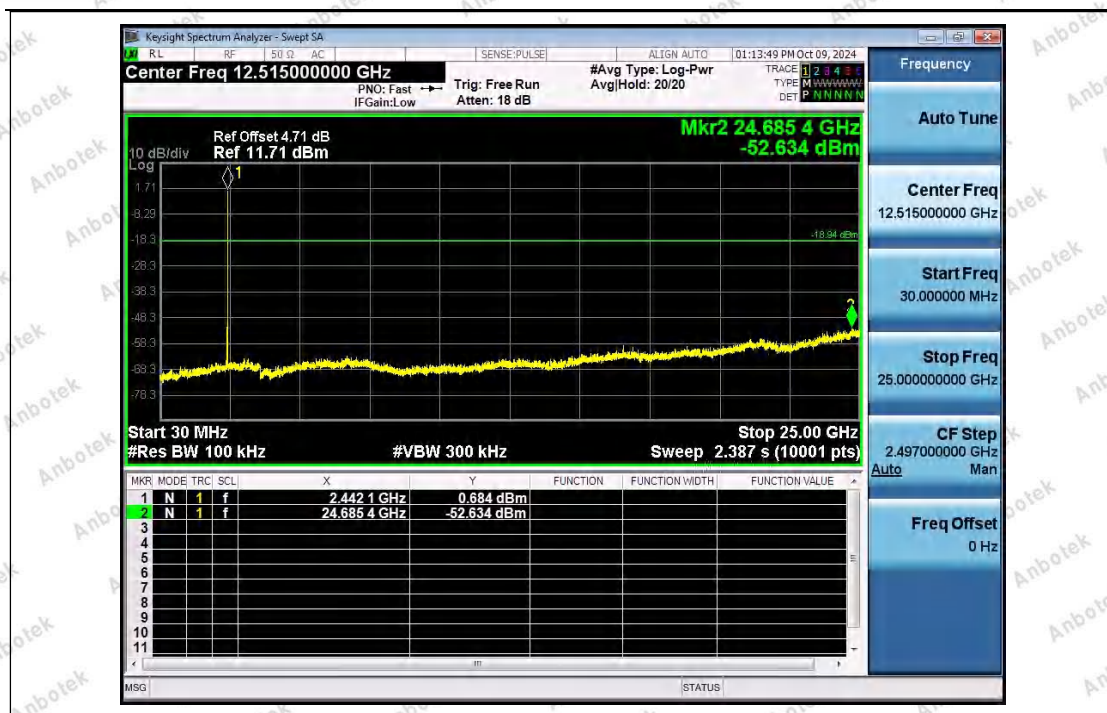


1_Reference_Level_NVNT_ANT1_1-DH5_2441_00

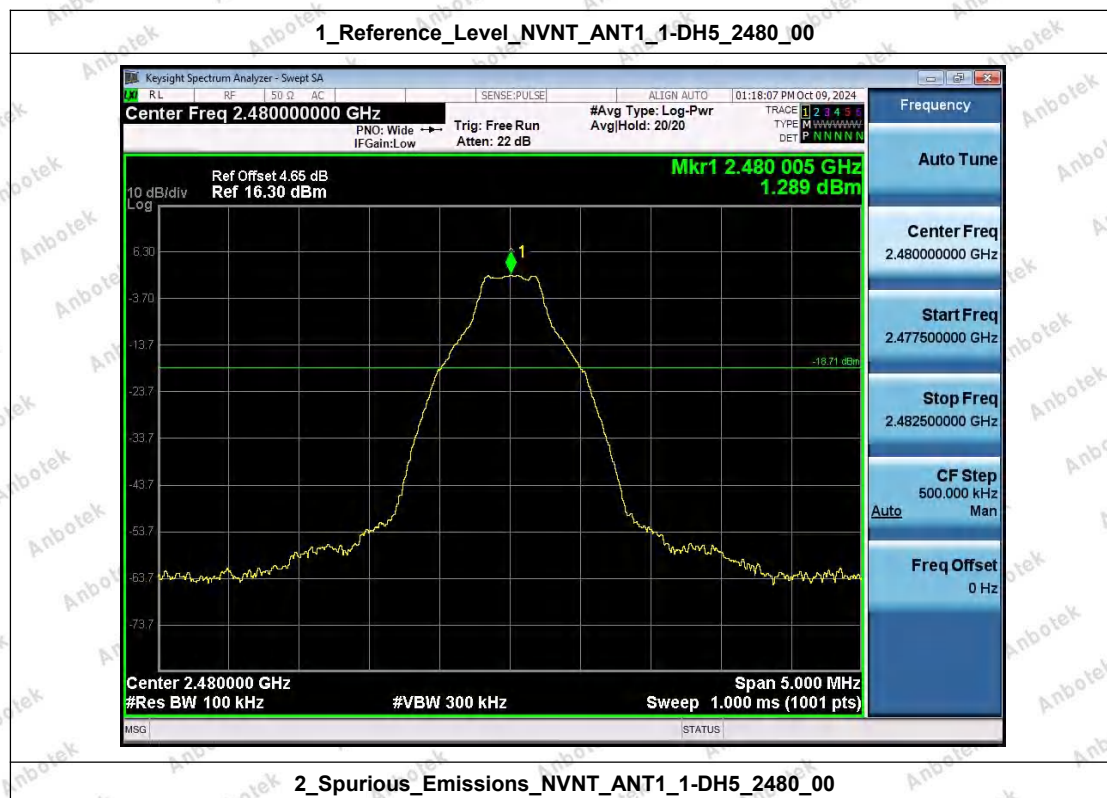


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00



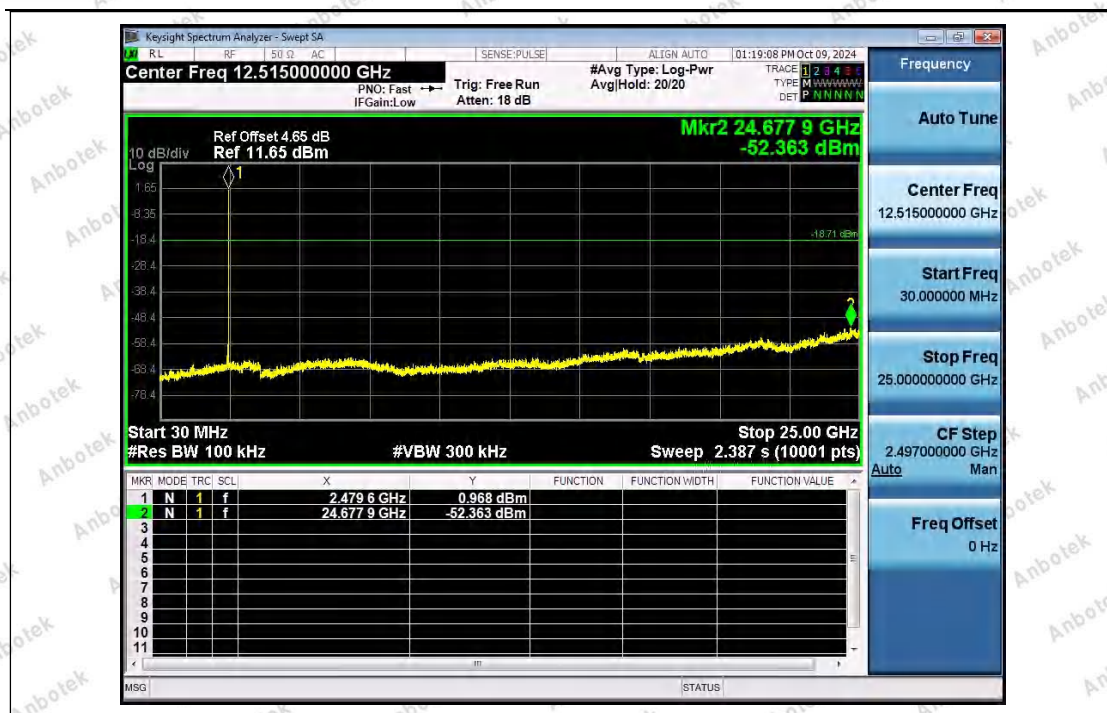


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

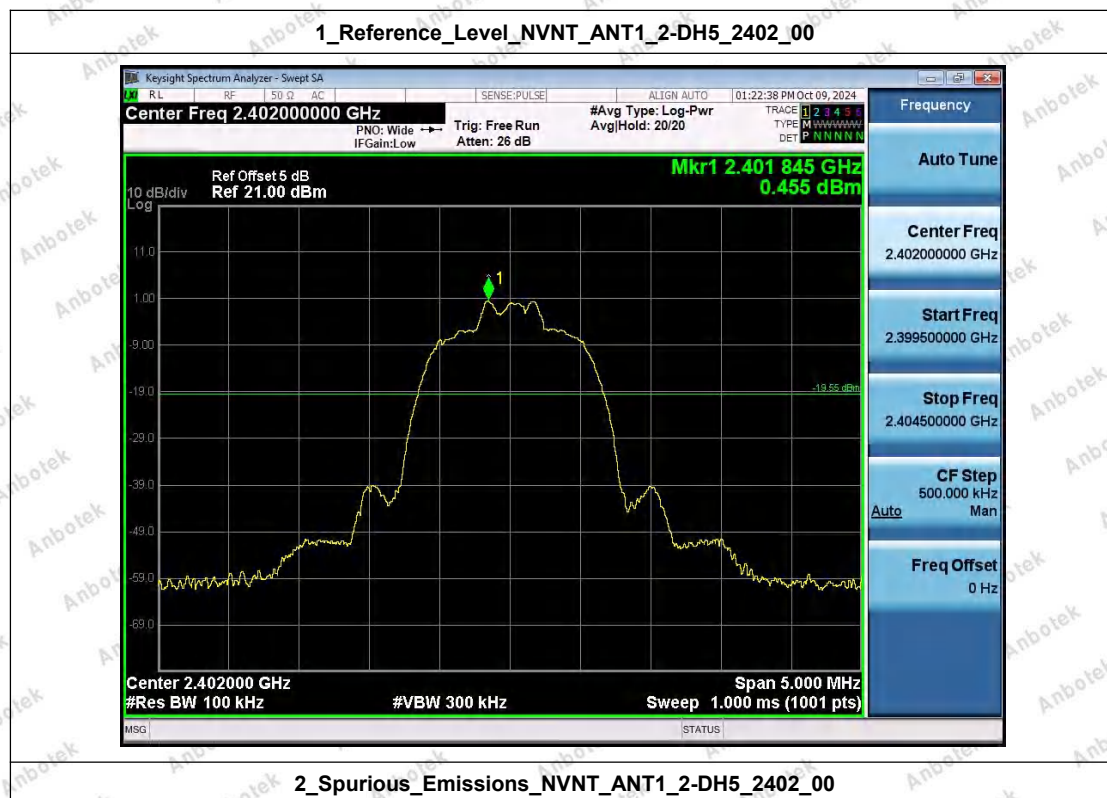


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



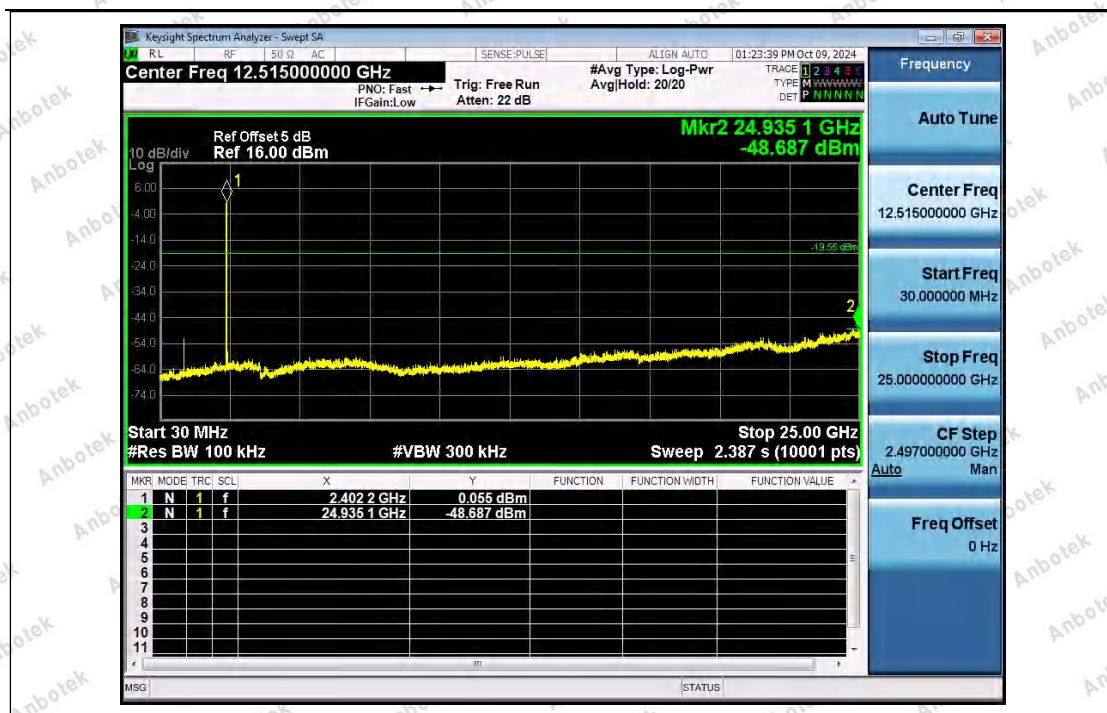


1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

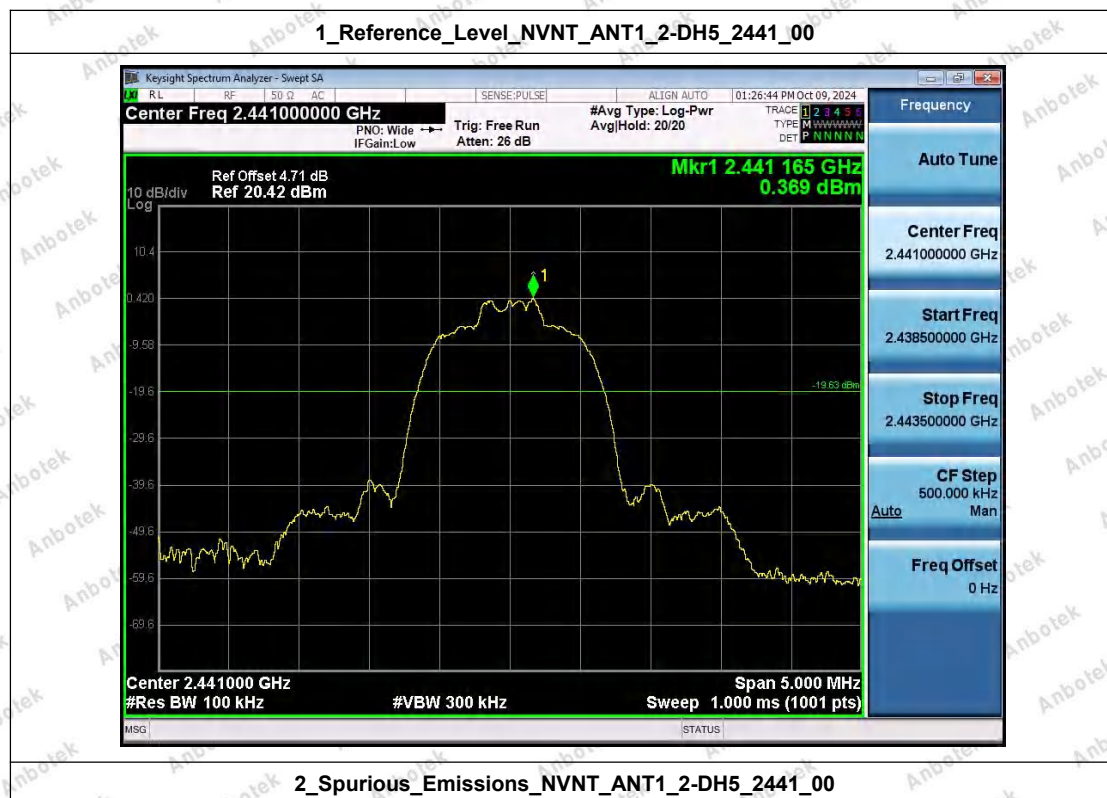


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00





1_Reference_Level_NVNT_ANT1_2-DH5_2441_00

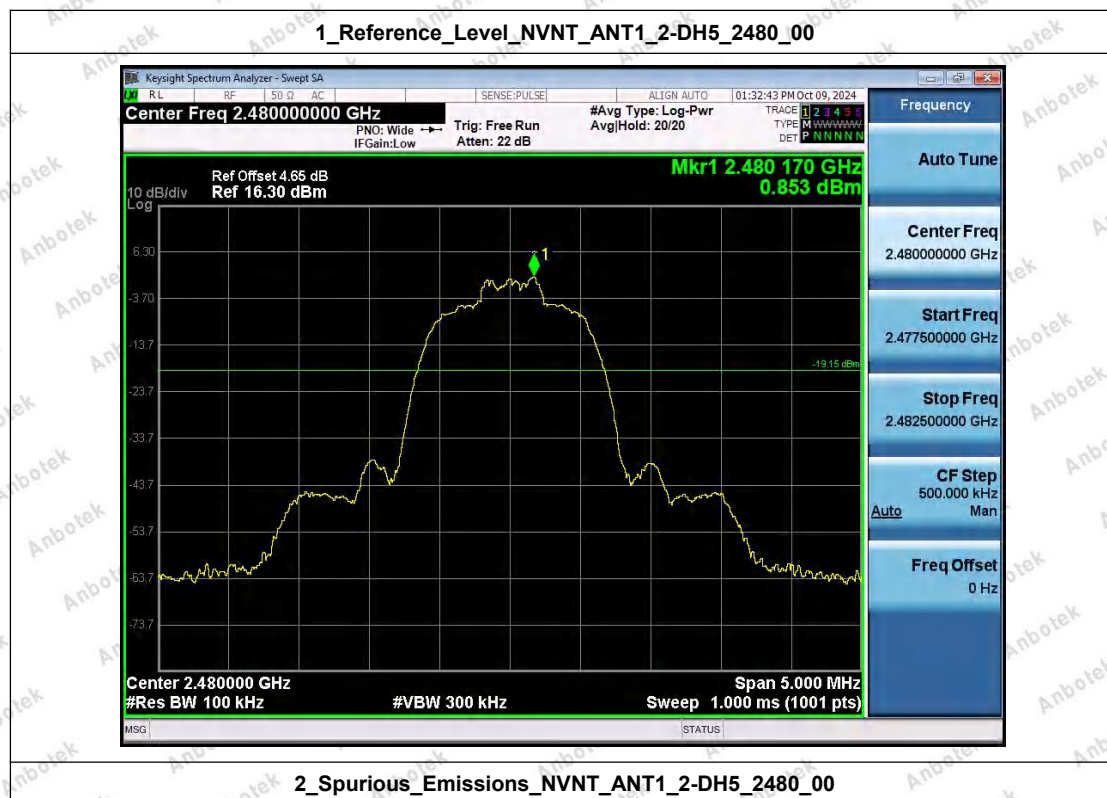


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00



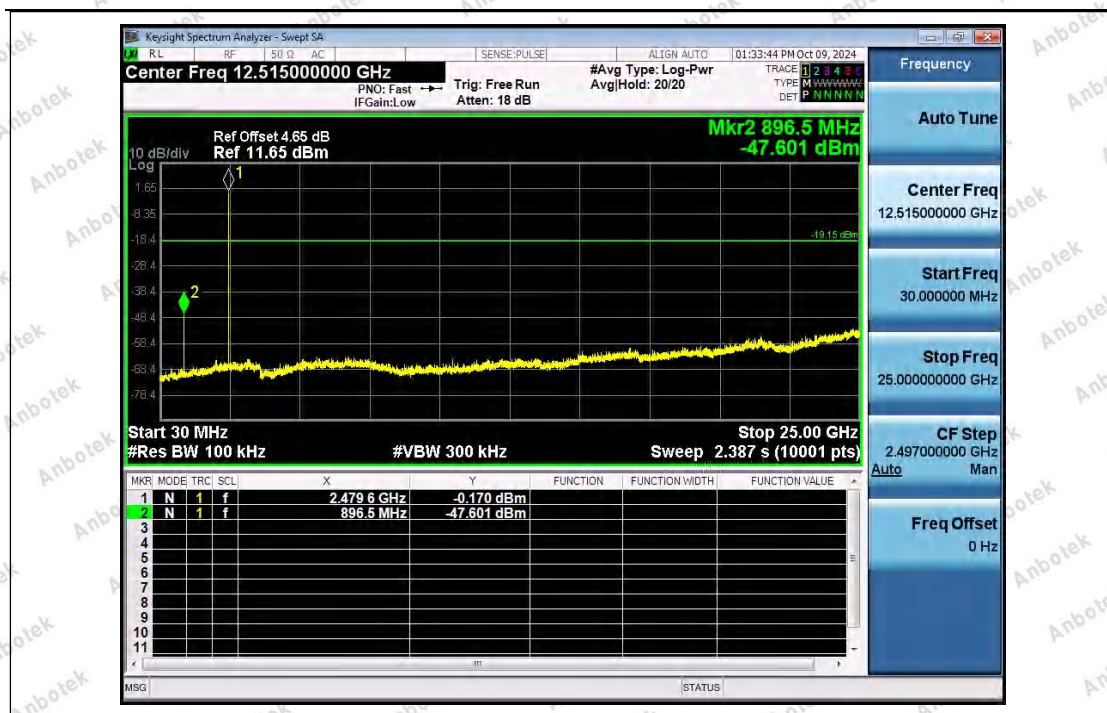


1_Reference_Level_NVNT_ANT1_2-DH5_2480_00

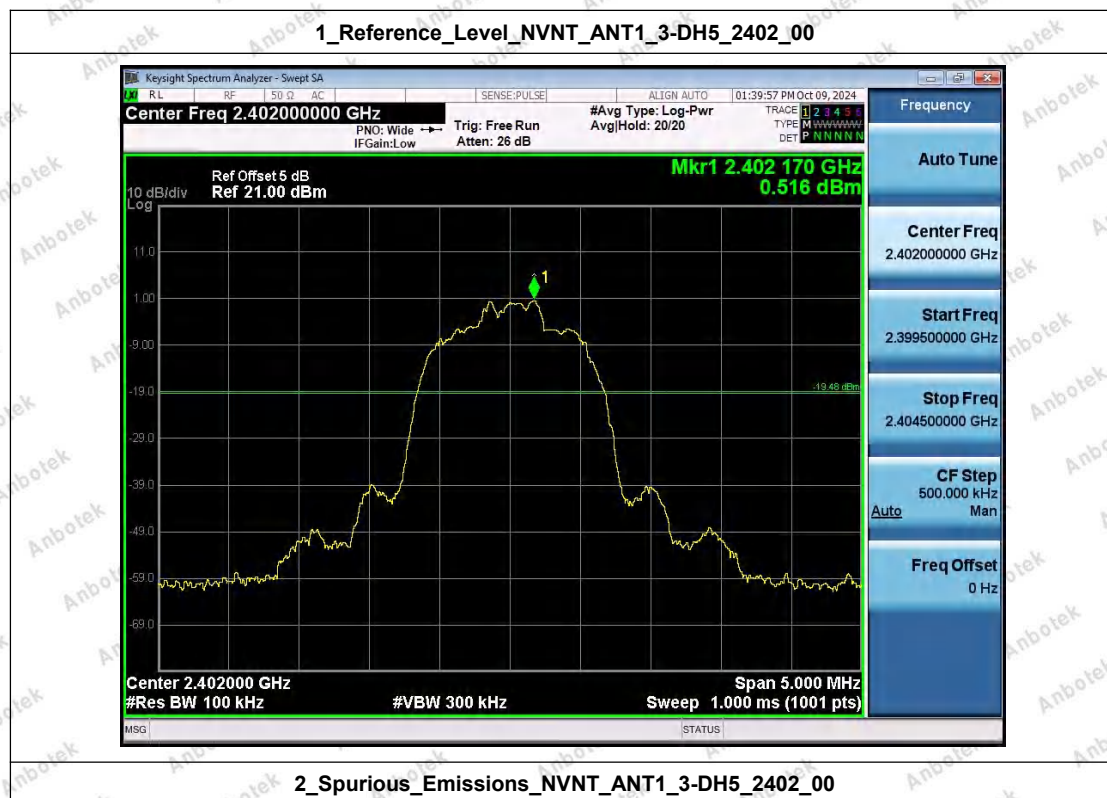


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



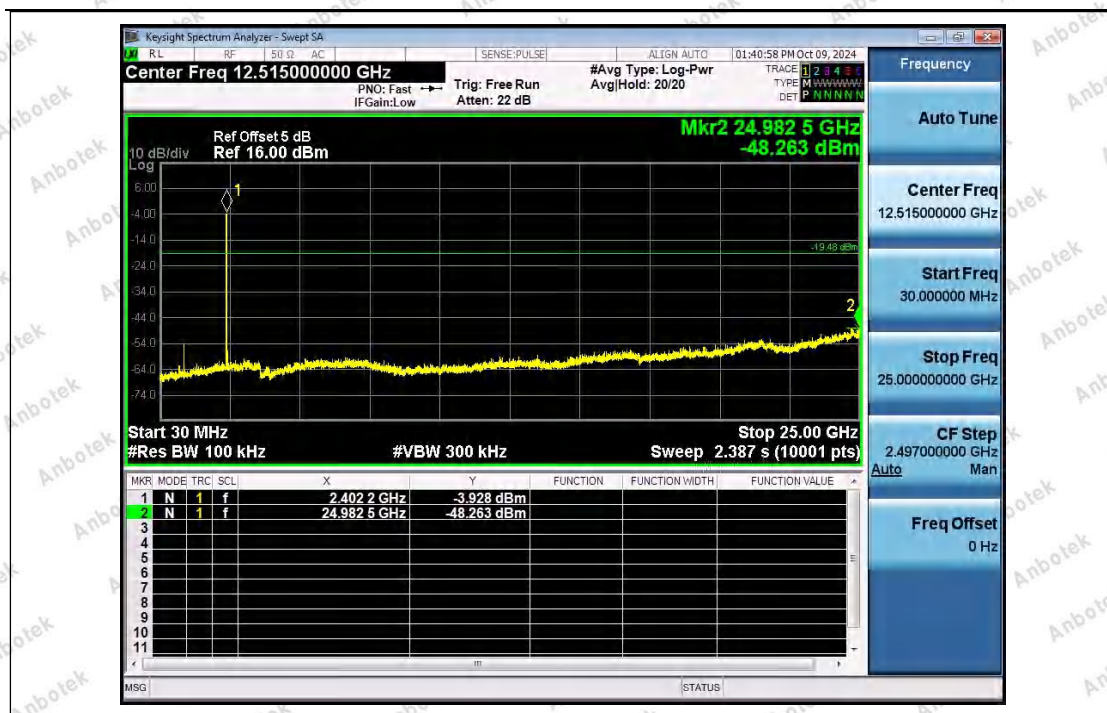


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

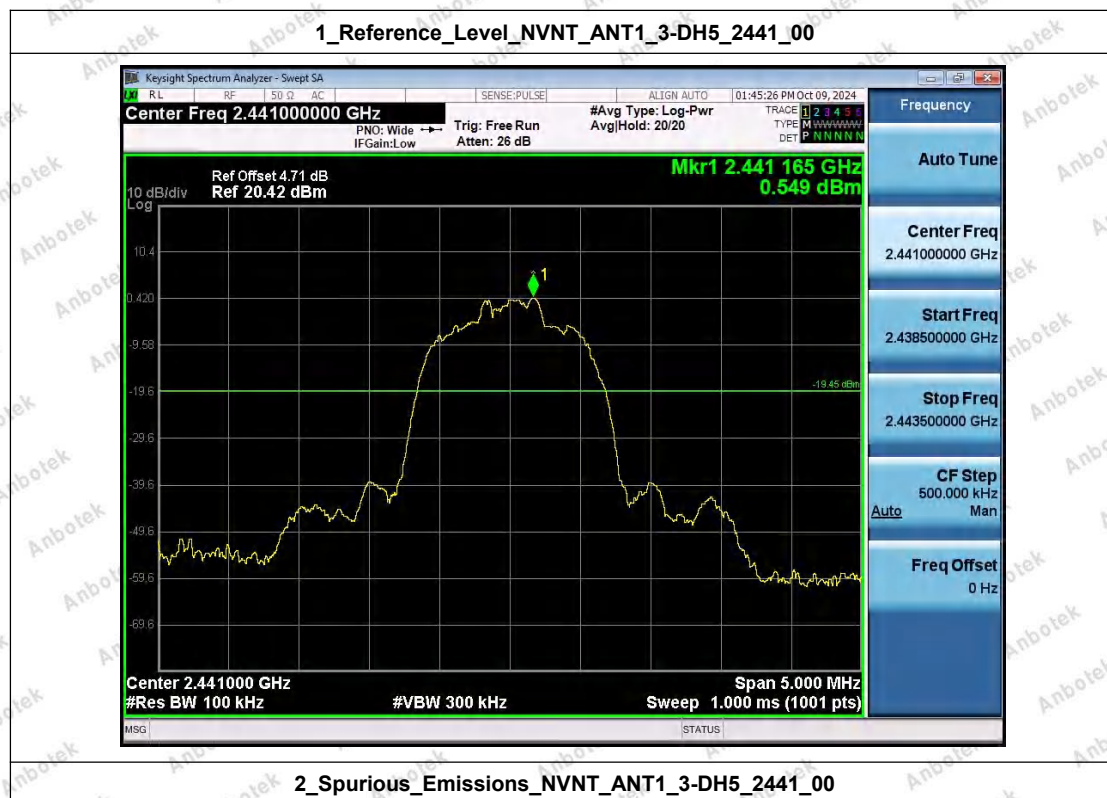


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00





1_Reference_Level_NVNT_ANT1_3-DH5_2441_00

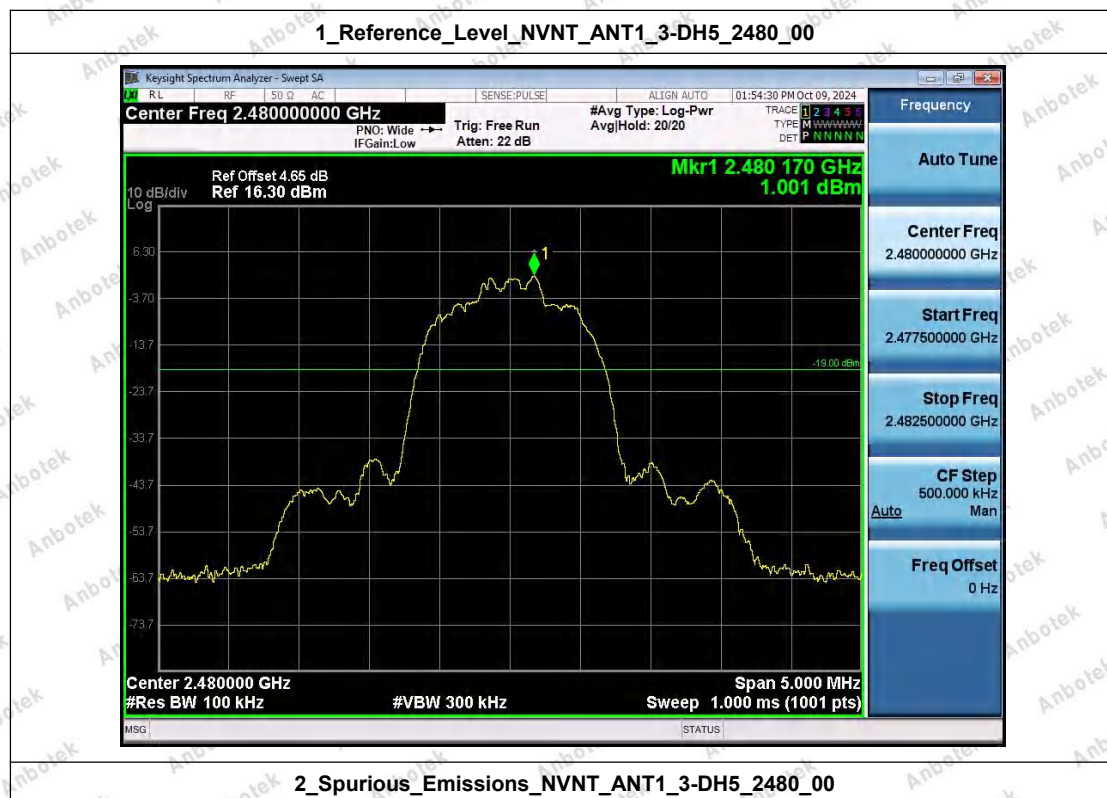


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



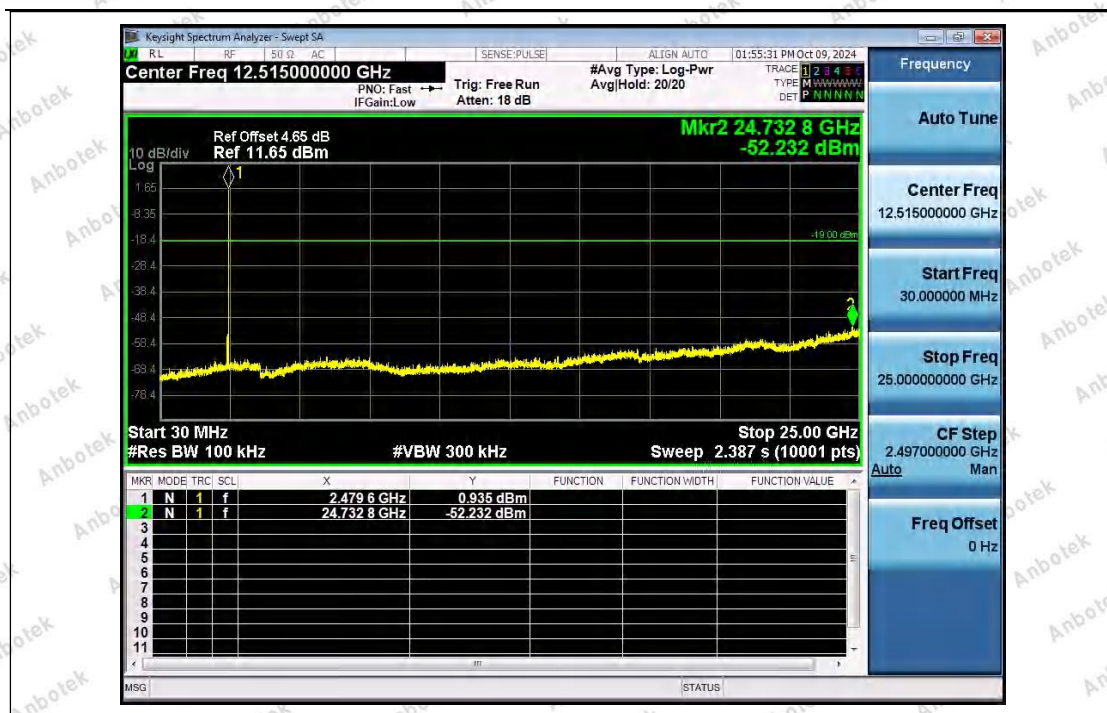


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00





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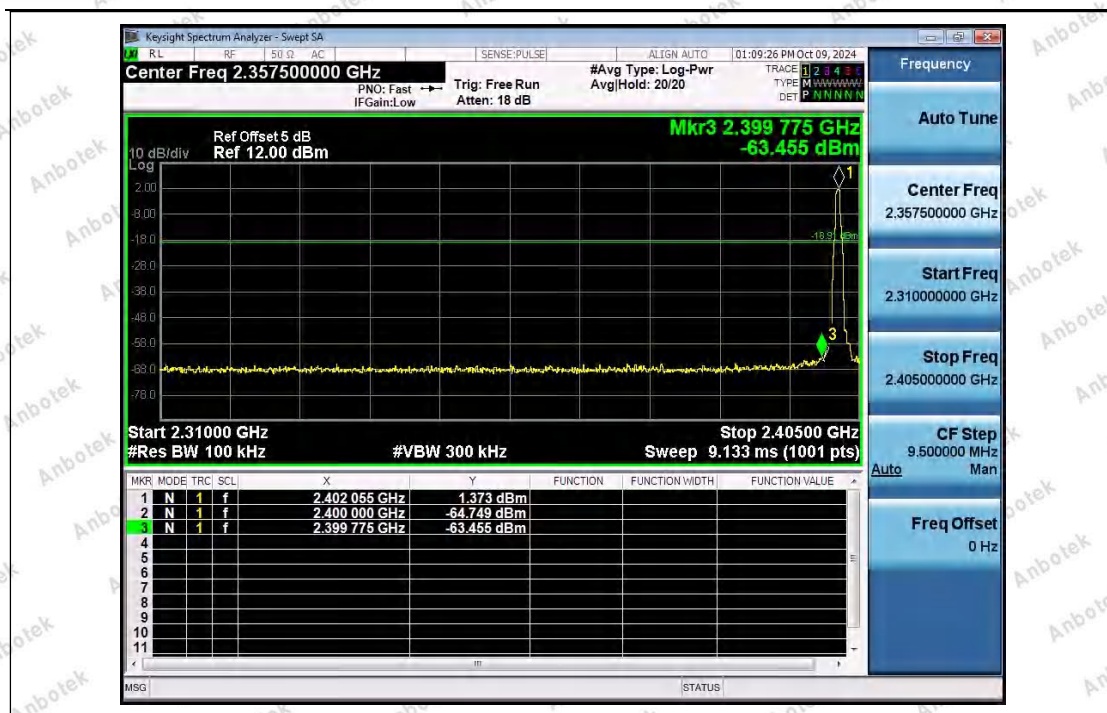
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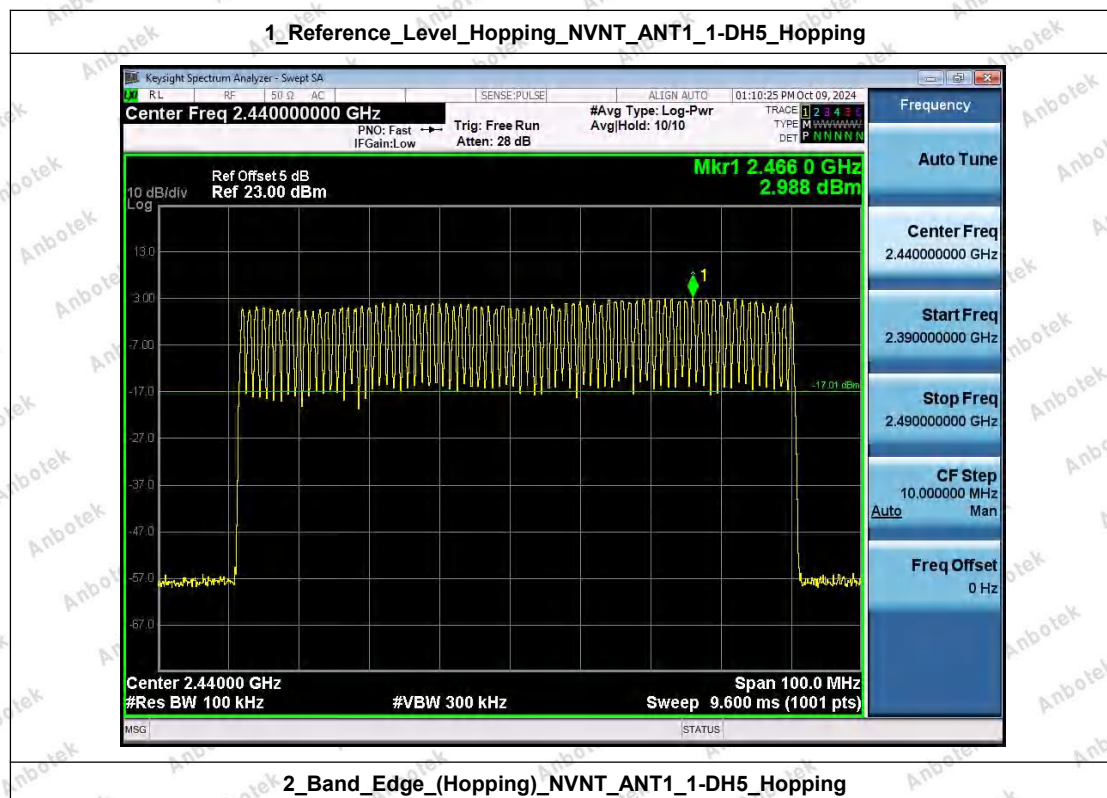
Appendix F: Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-63.455	-18.906	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-60.017	-17.012	Pass
NVNT	ANT1	1-DH5	2480.00	-64.017	-18.711	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-64.594	-17.083	Pass
NVNT	ANT1	2-DH5	2402.00	-61.024	-19.545	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-58.288	-18.095	Pass
NVNT	ANT1	2-DH5	2480.00	-64.829	-19.147	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-60.442	-18.049	Pass
NVNT	ANT1	3-DH5	2402.00	-61.514	-19.484	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-59.888	-17.560	Pass
NVNT	ANT1	3-DH5	2480.00	-64.811	-18.999	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-60.841	-18.054	Pass

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

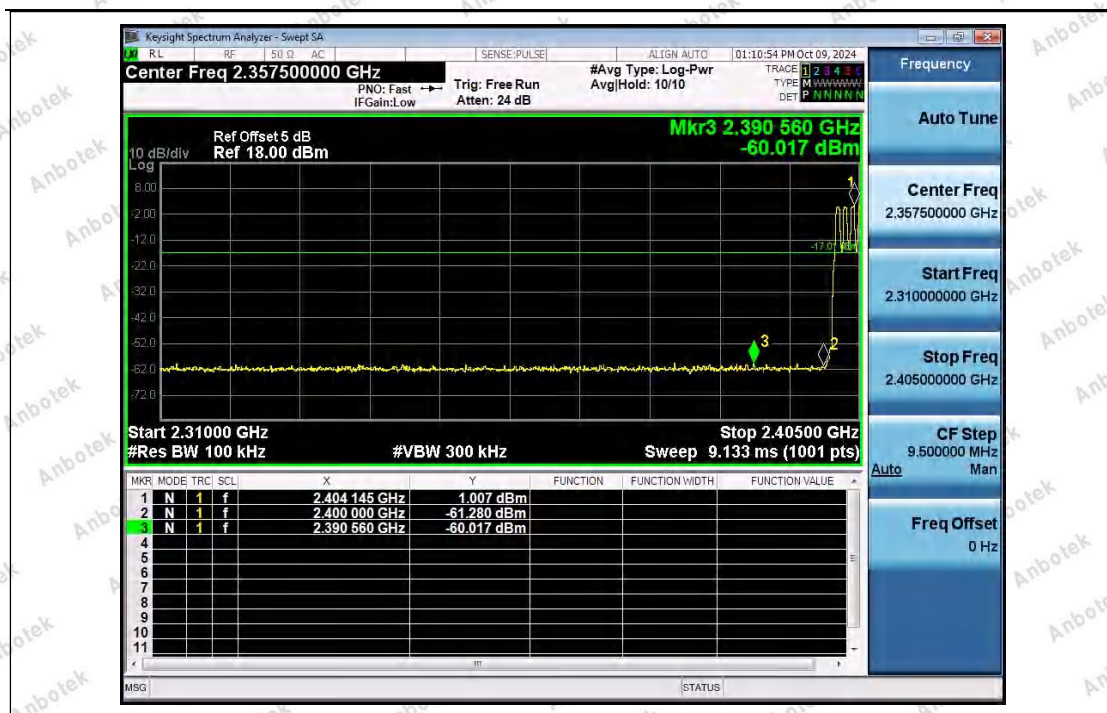


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

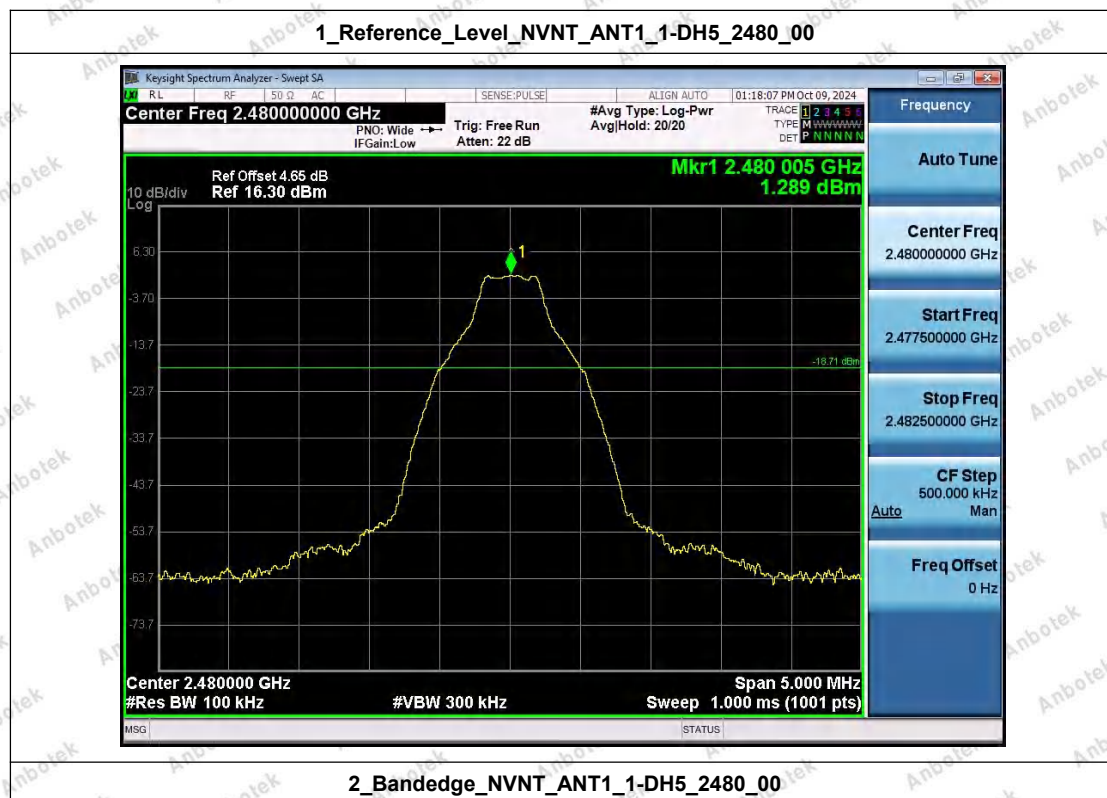


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



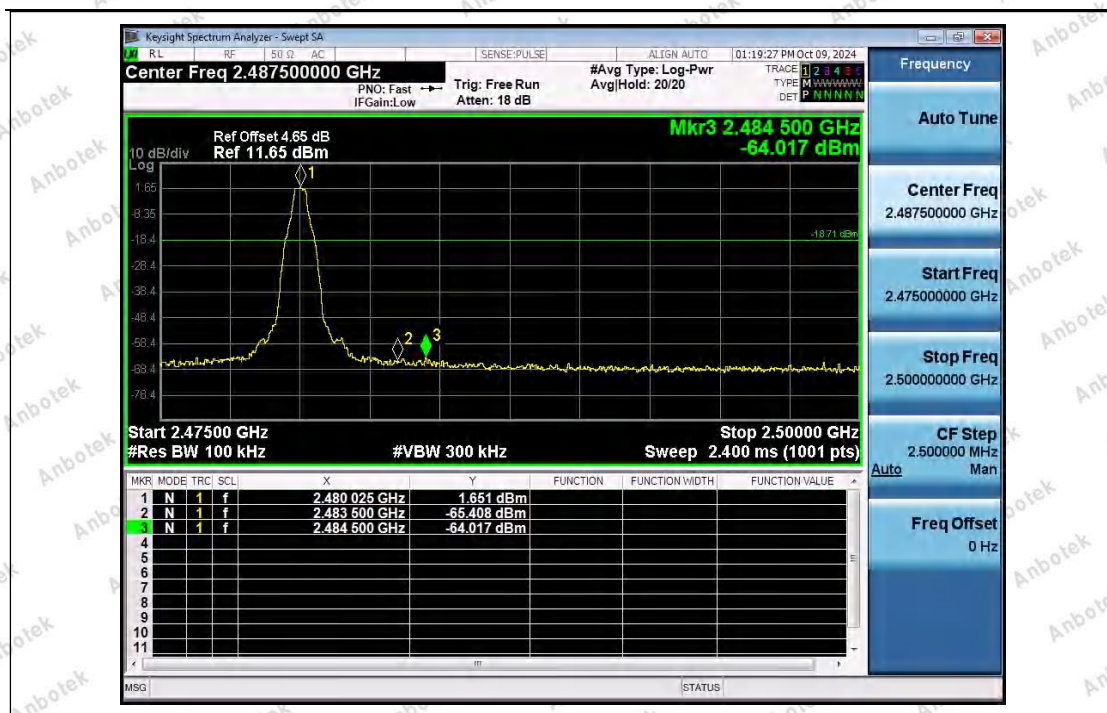


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

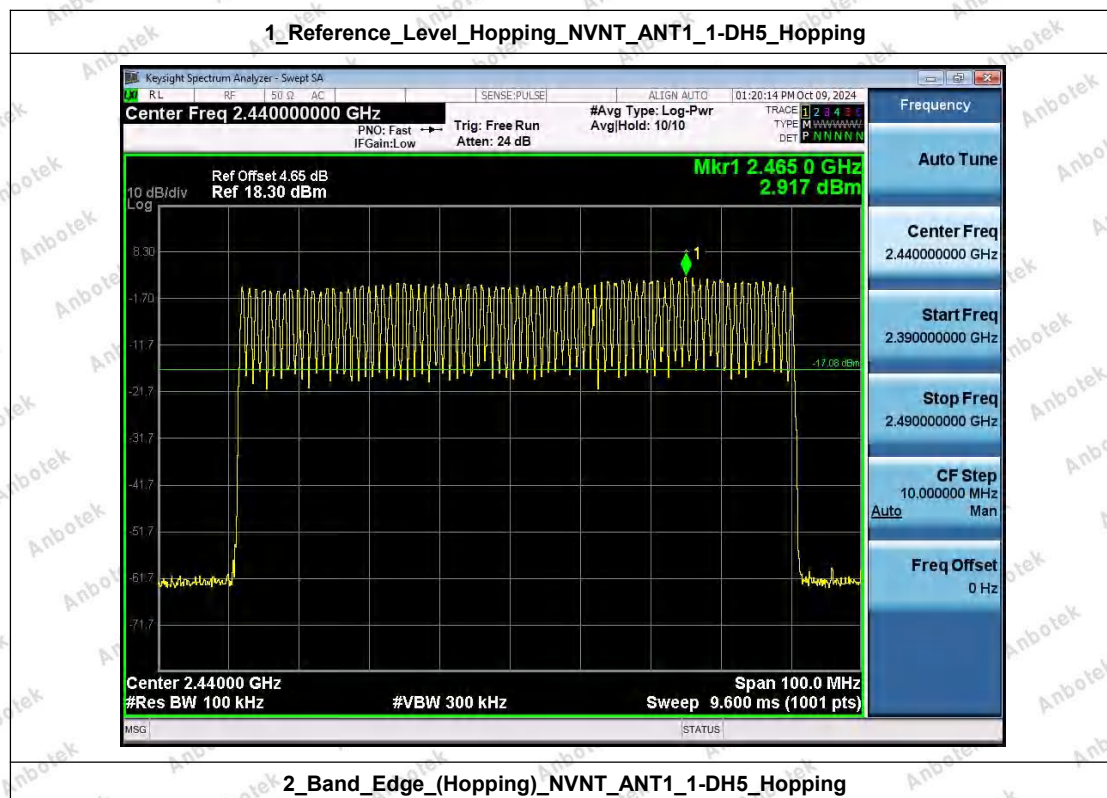


2_Bandedge_NVNT_ANT1_1-DH5_2480_00



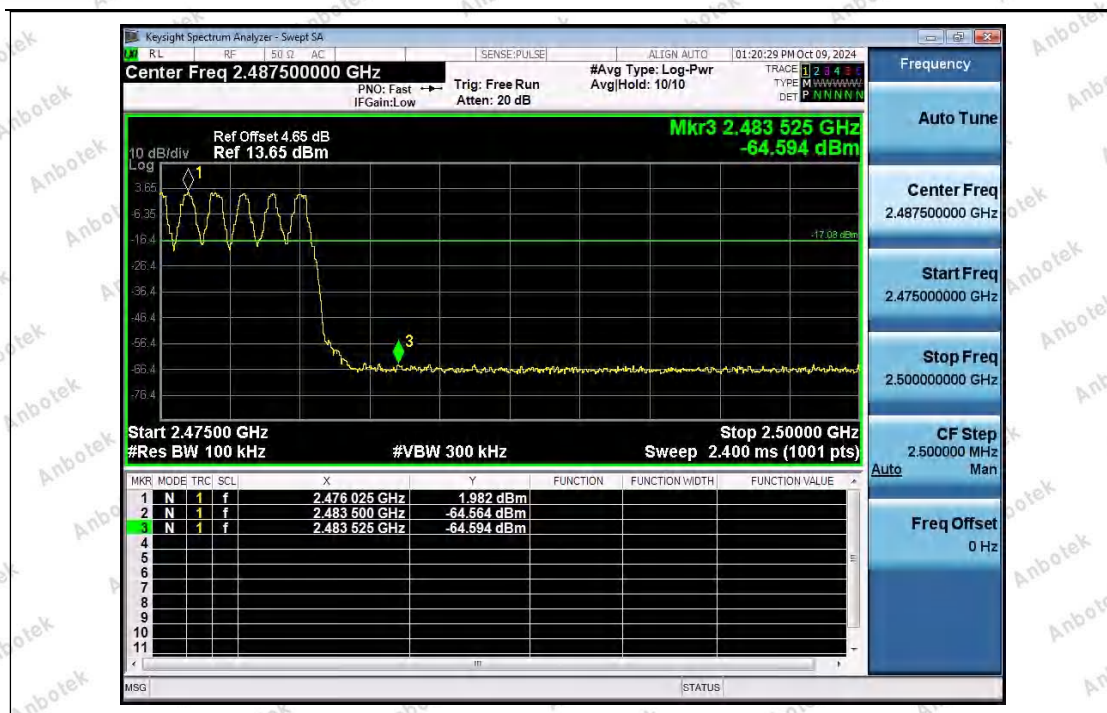


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

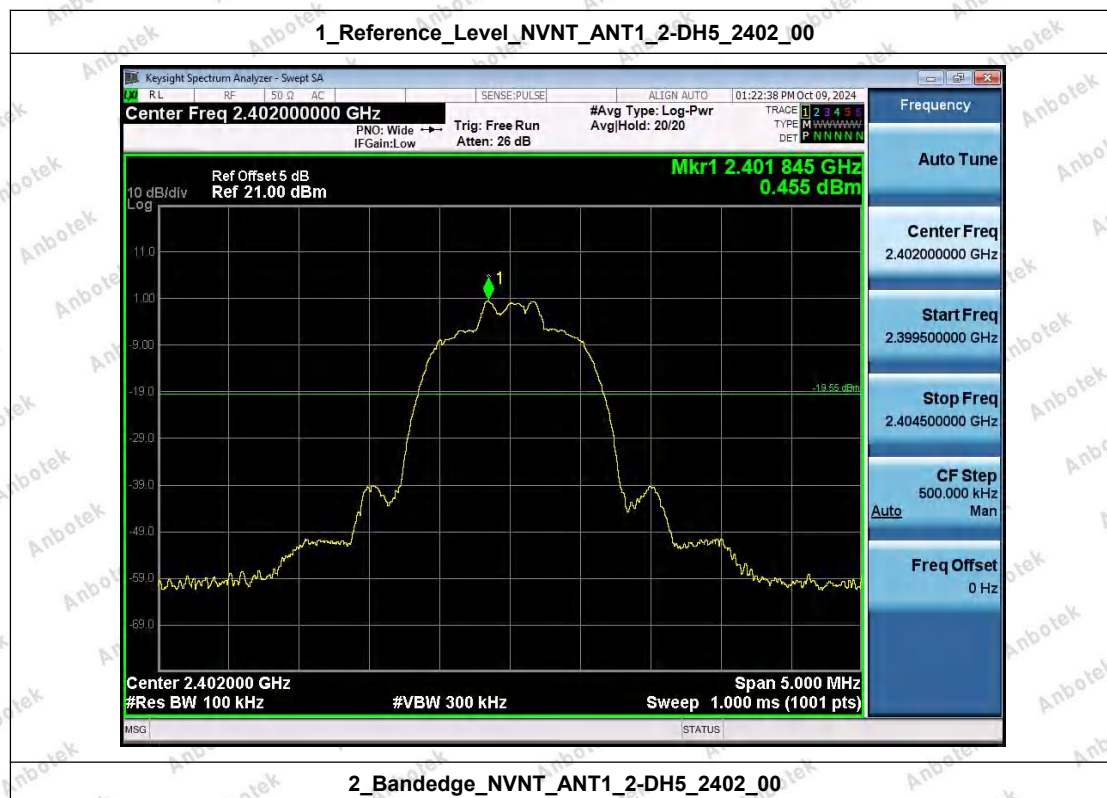


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



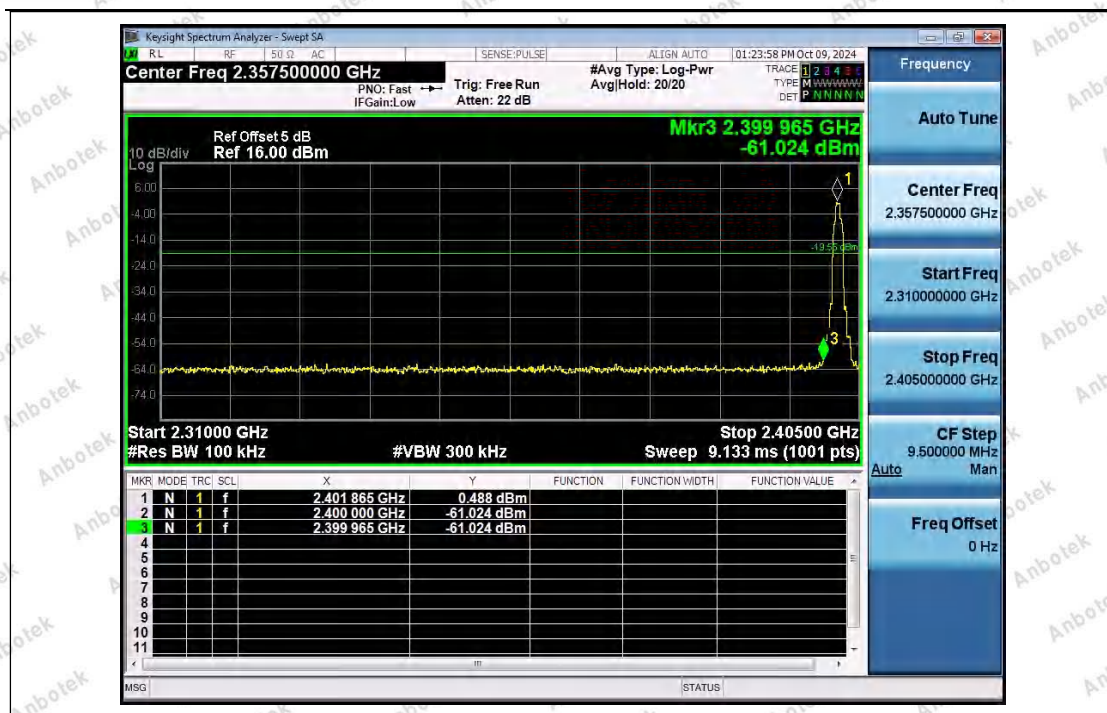


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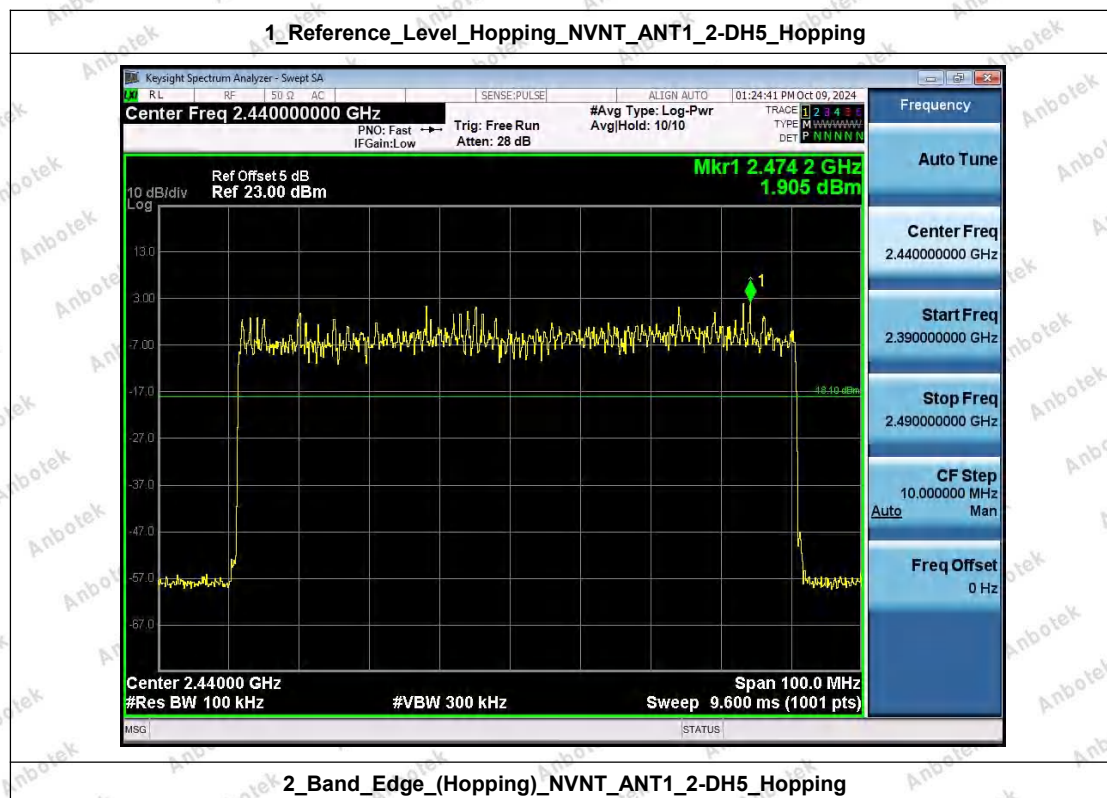


2_Bandedge_NVNT_ANT1_2-DH5_2402_00



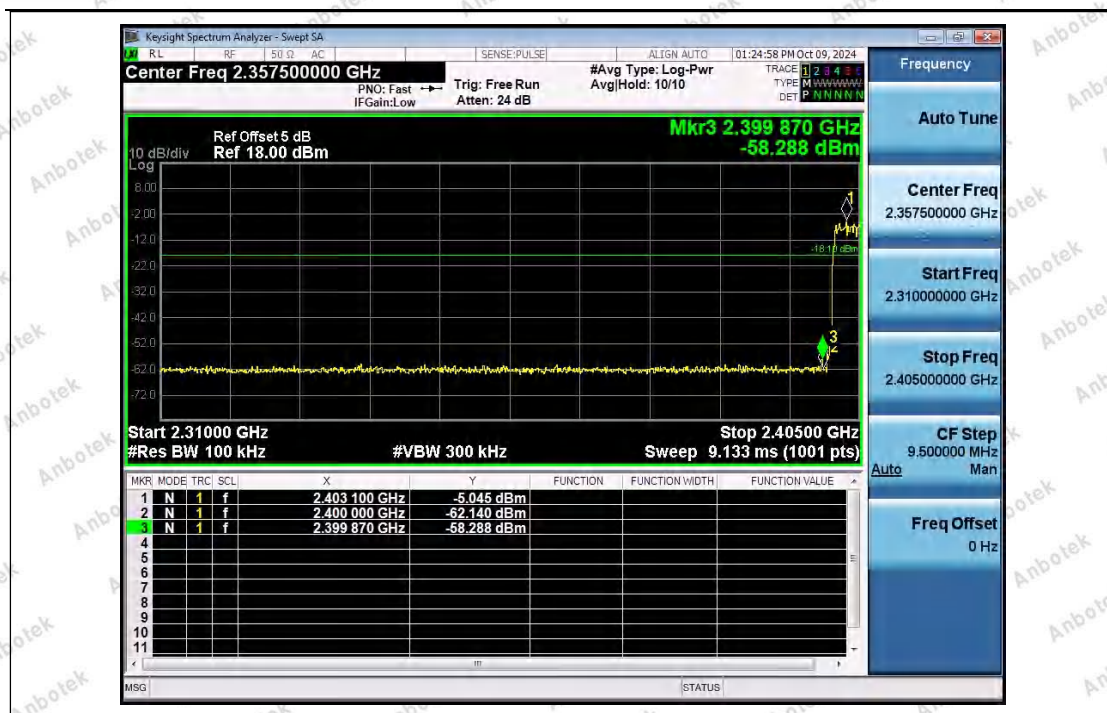


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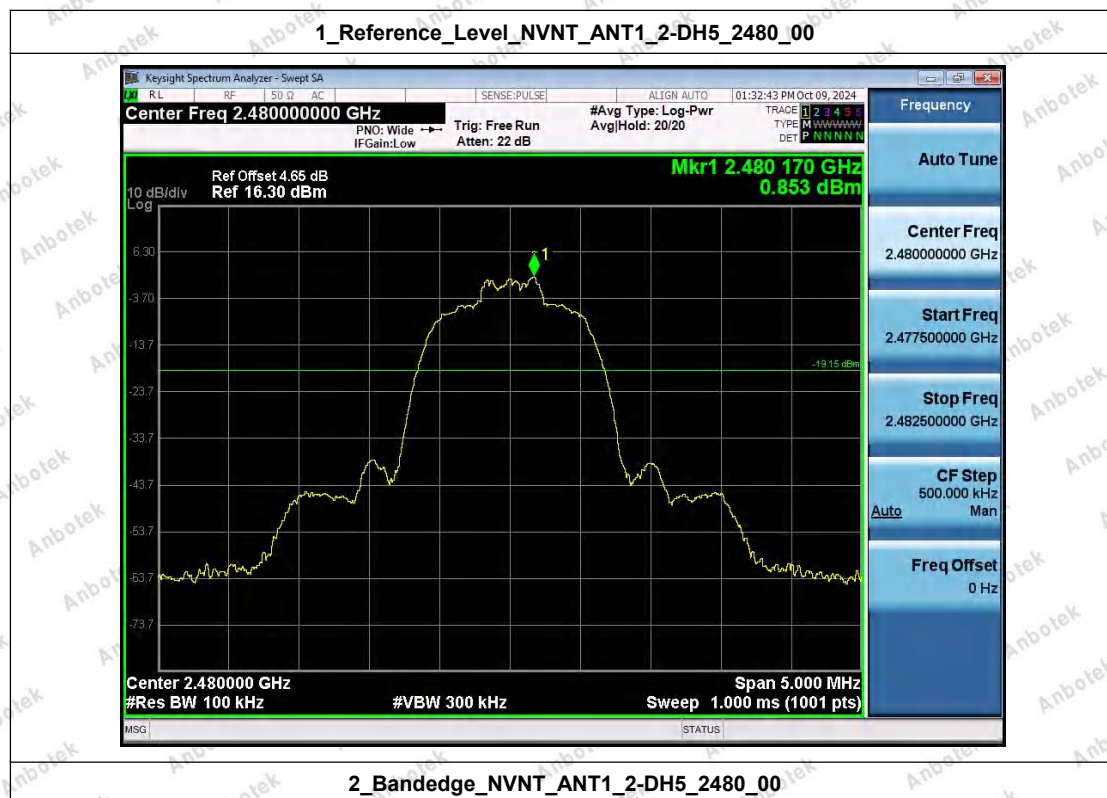


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



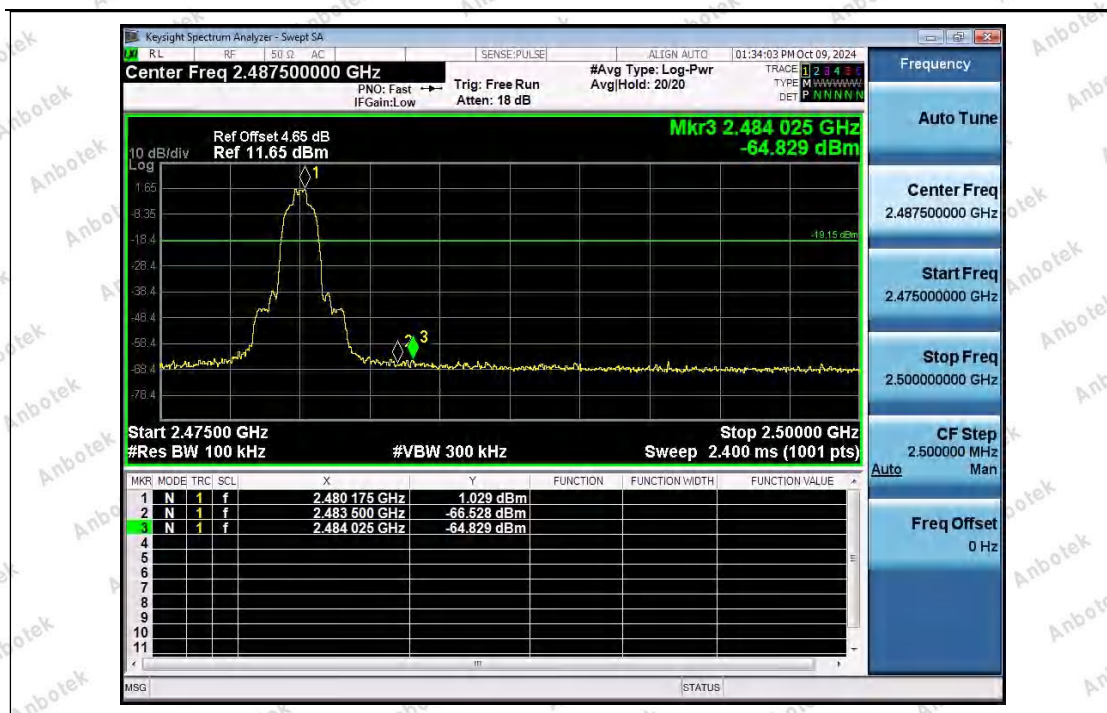


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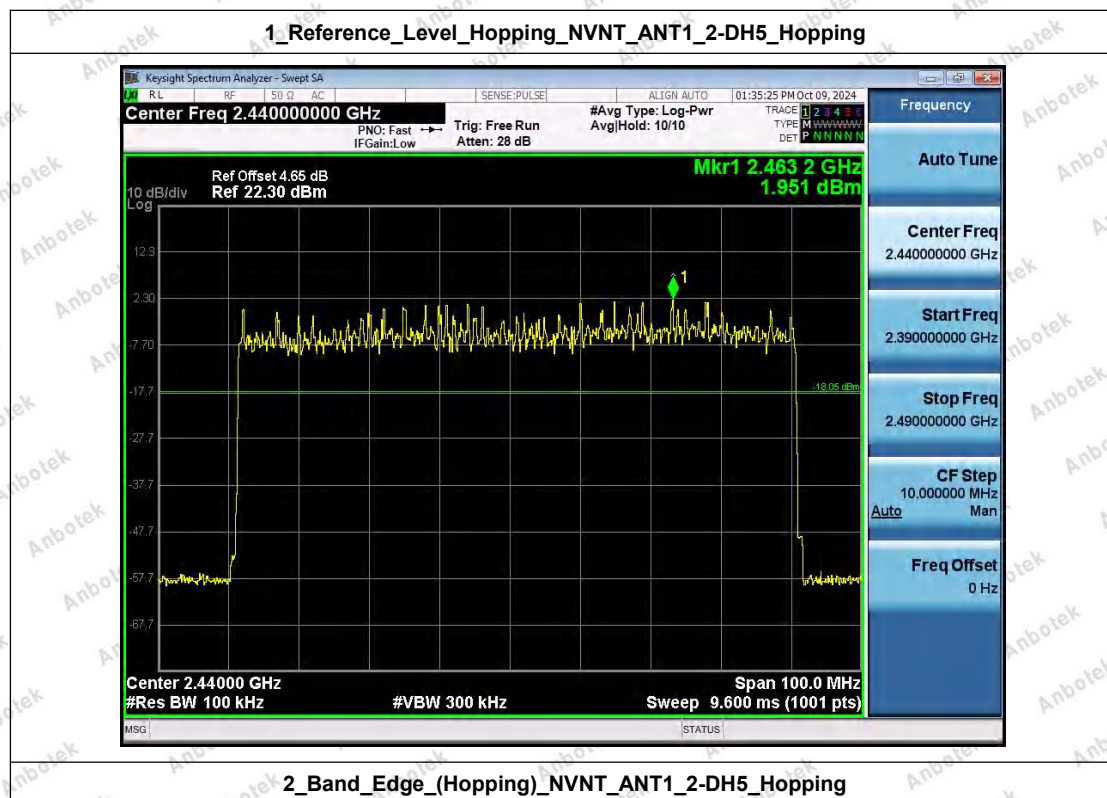


2_Bandedge_NVNT_ANT1_2-DH5_2480_00



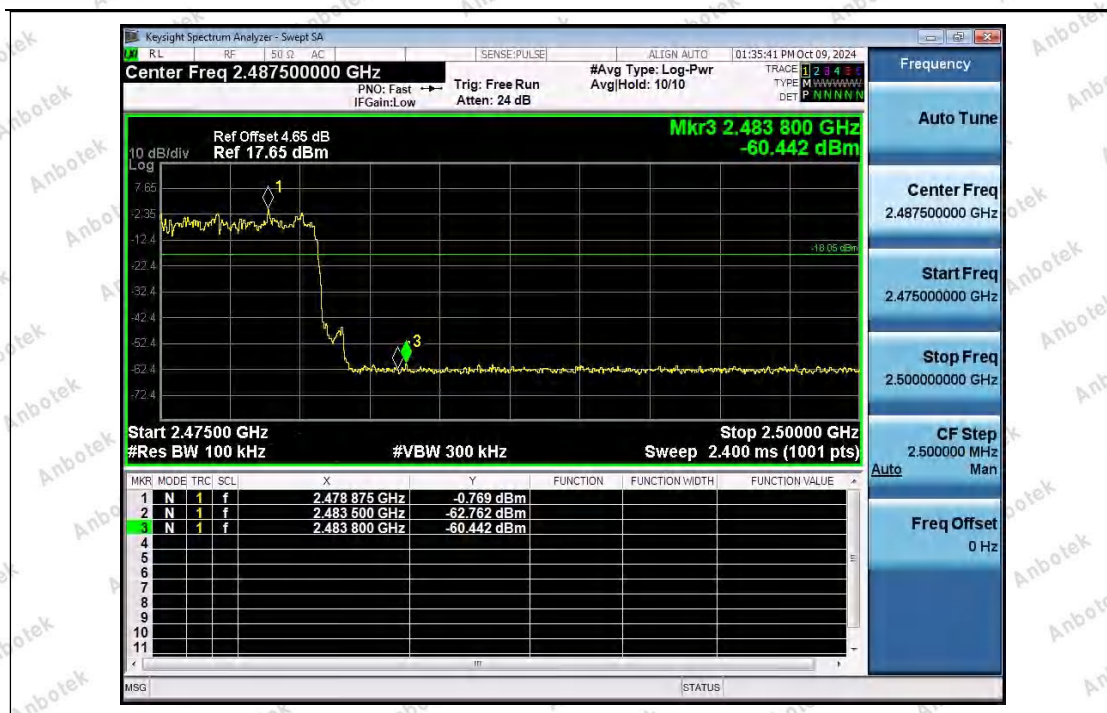


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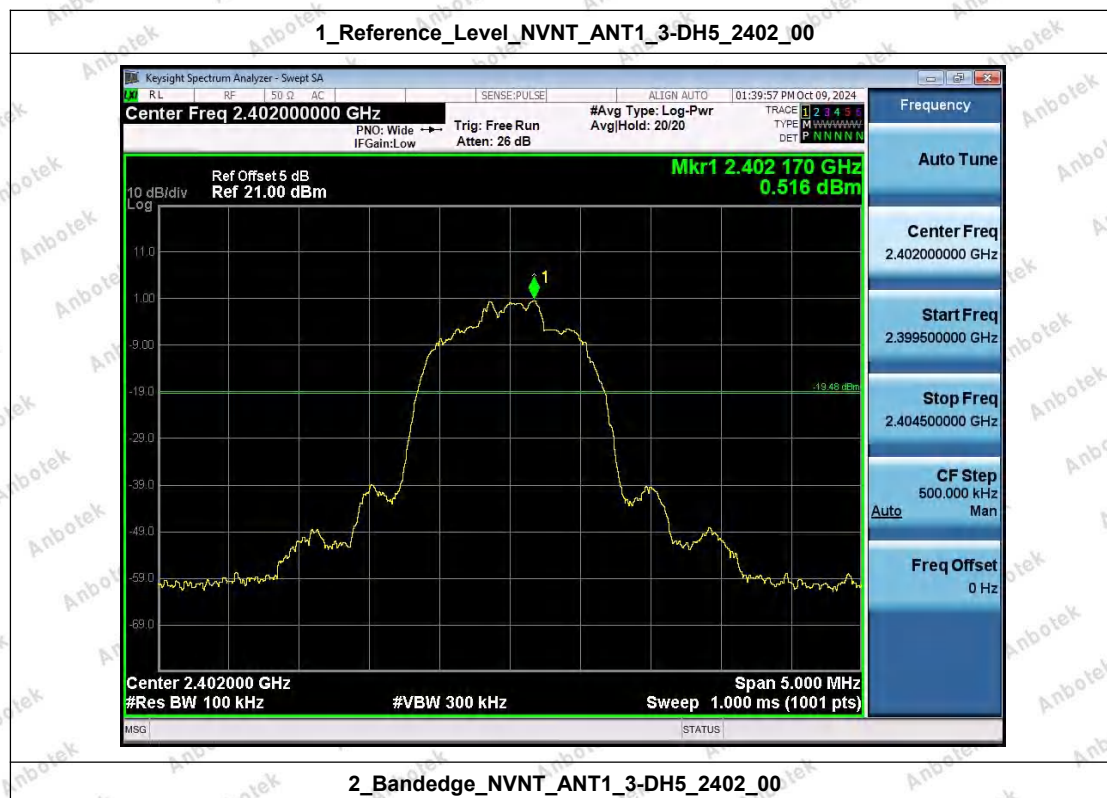


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



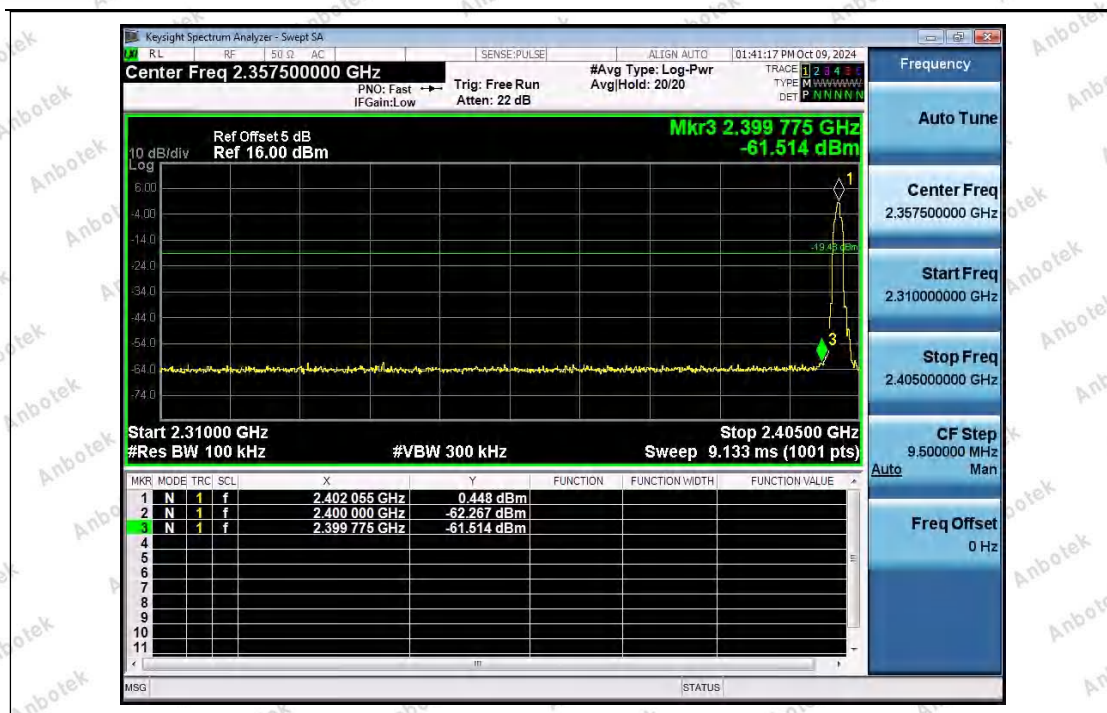


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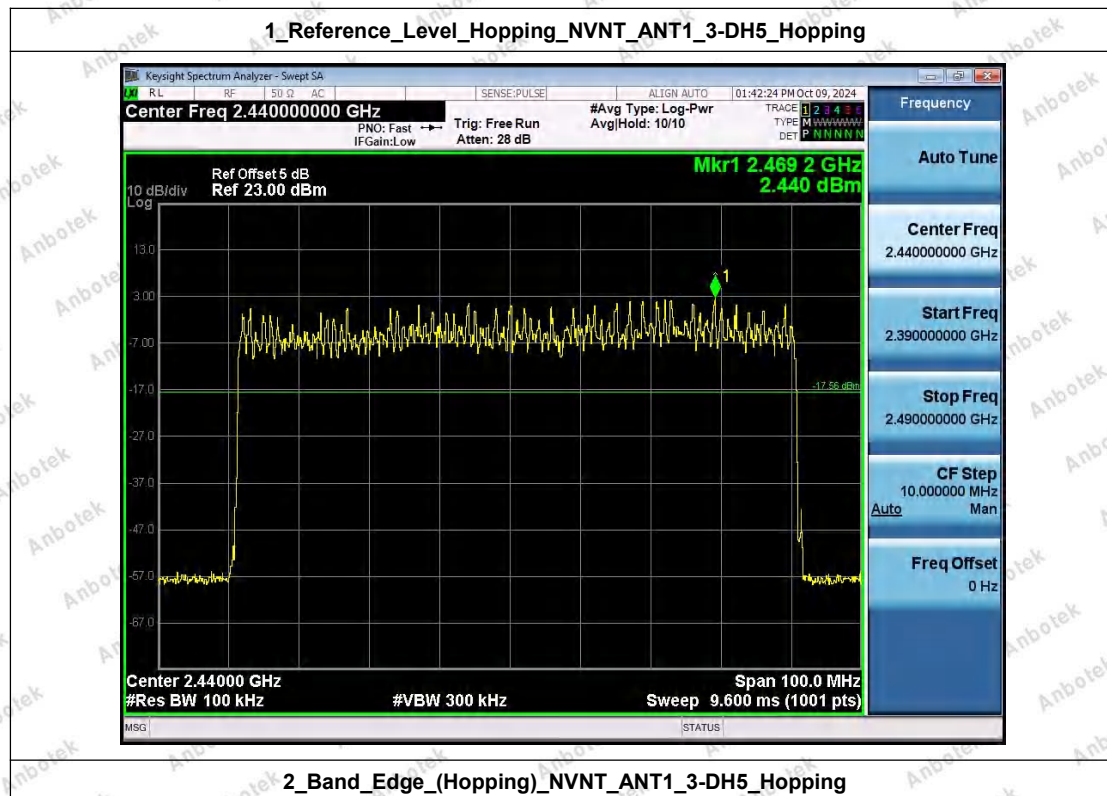


2_Bandedge_NVNT_ANT1_3-DH5_2402_00



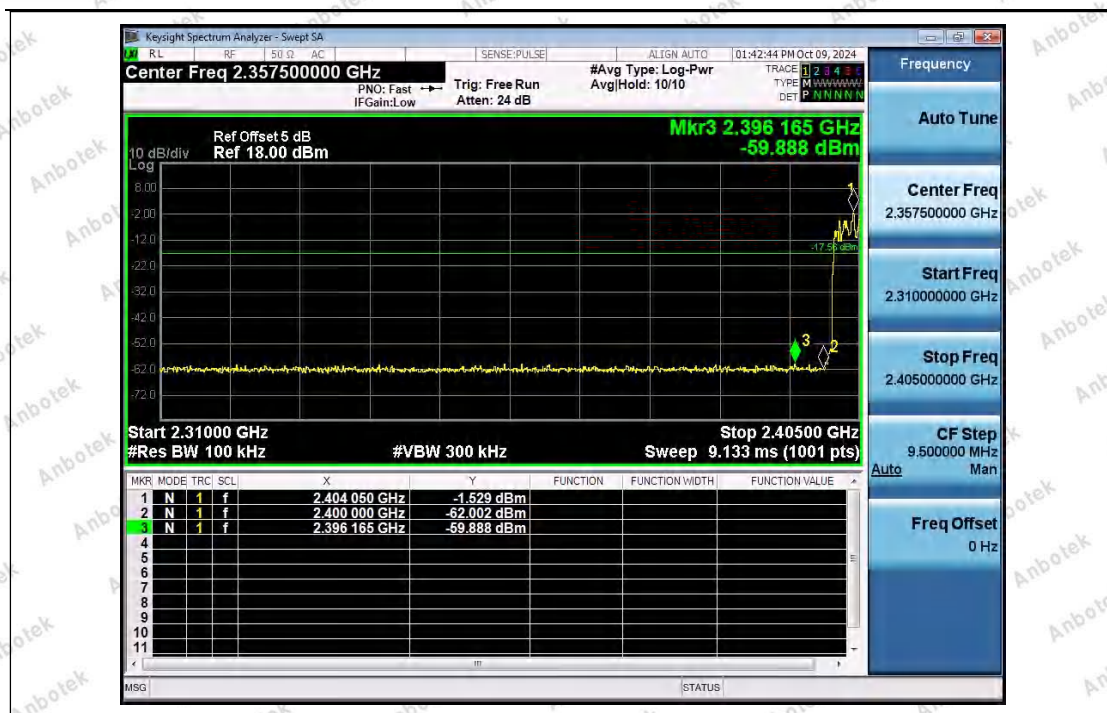


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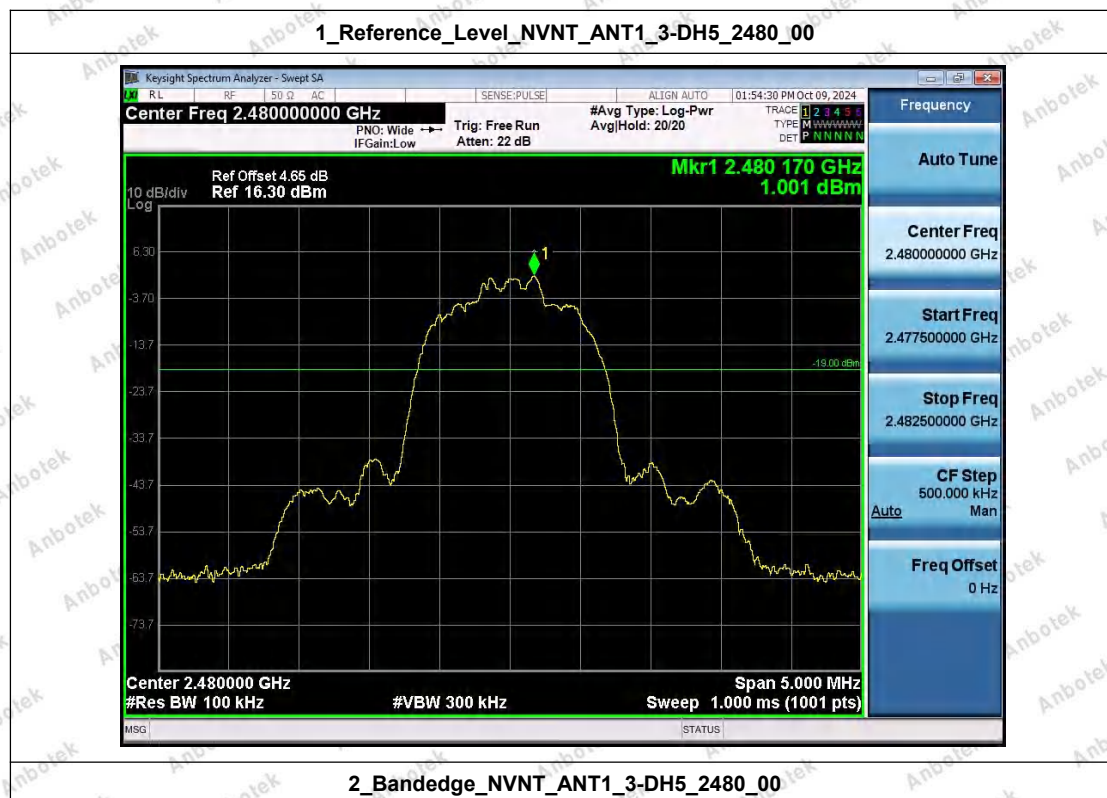


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



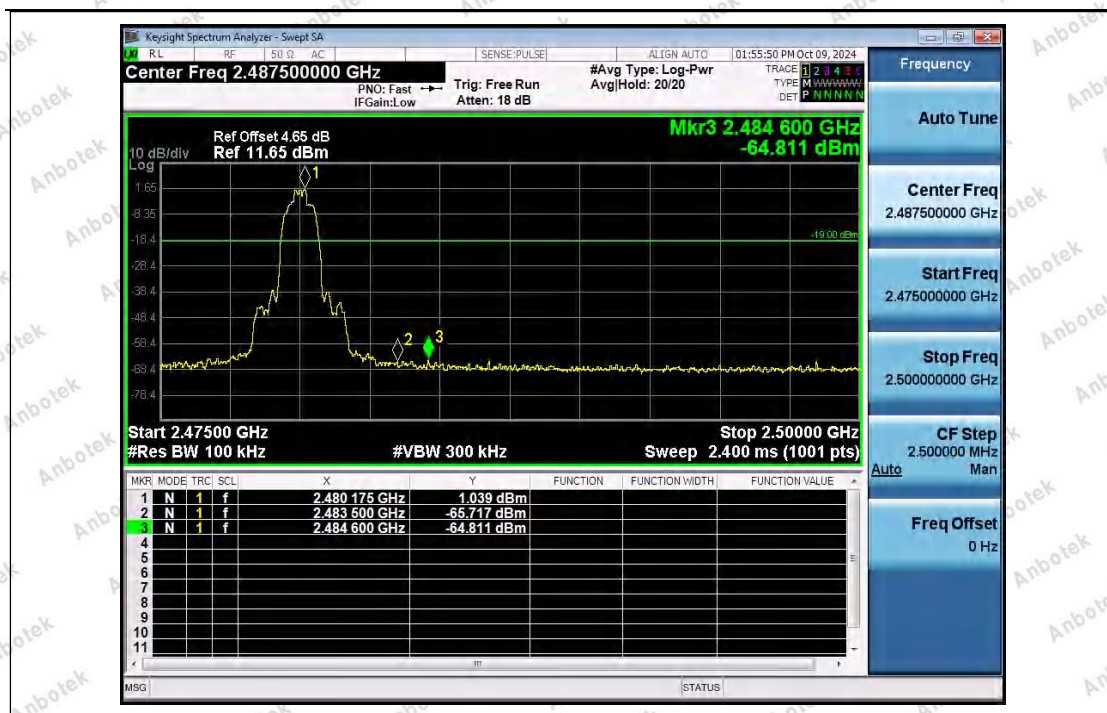


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00

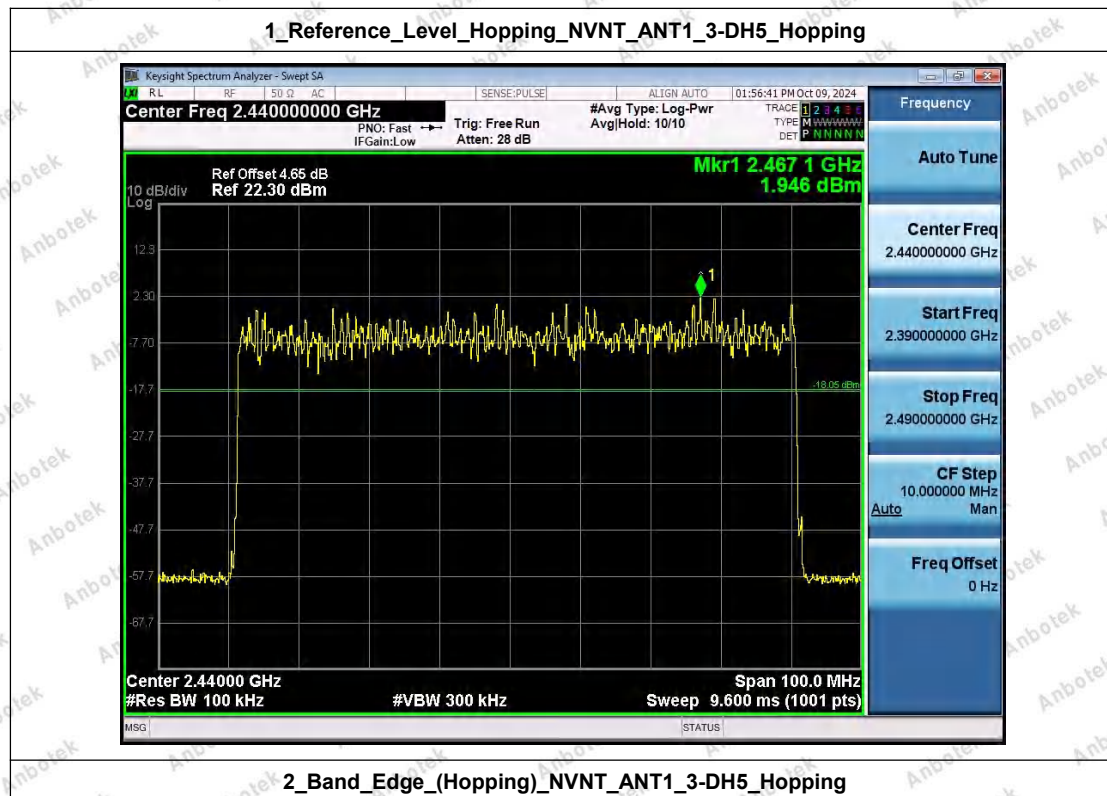


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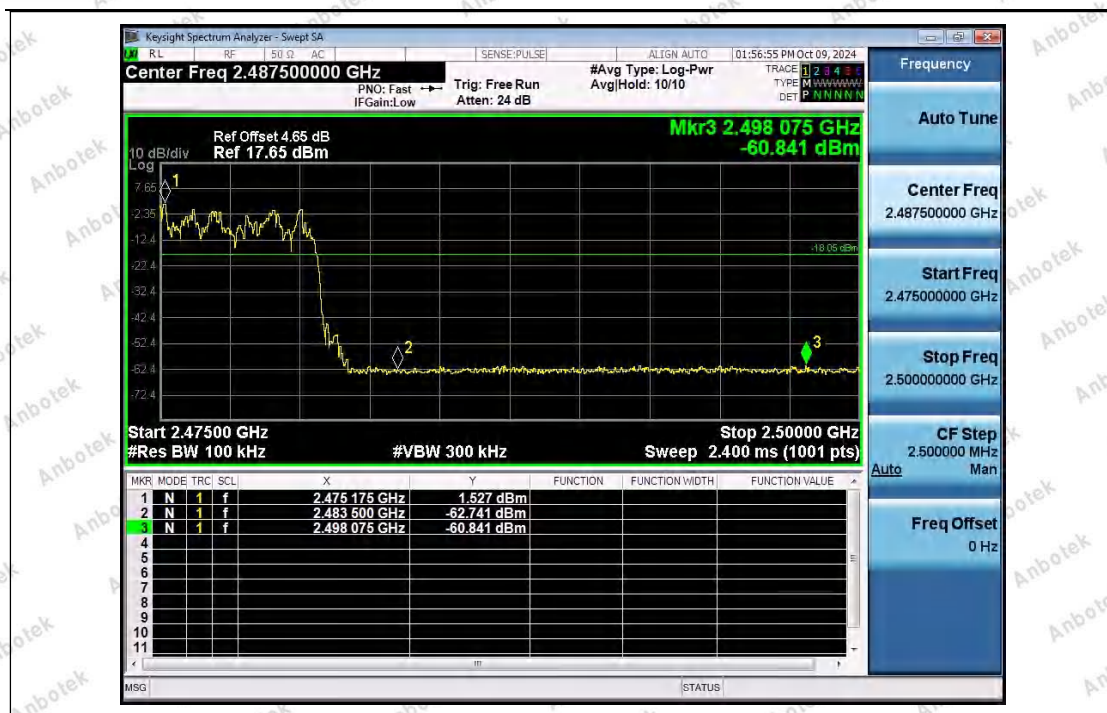


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping





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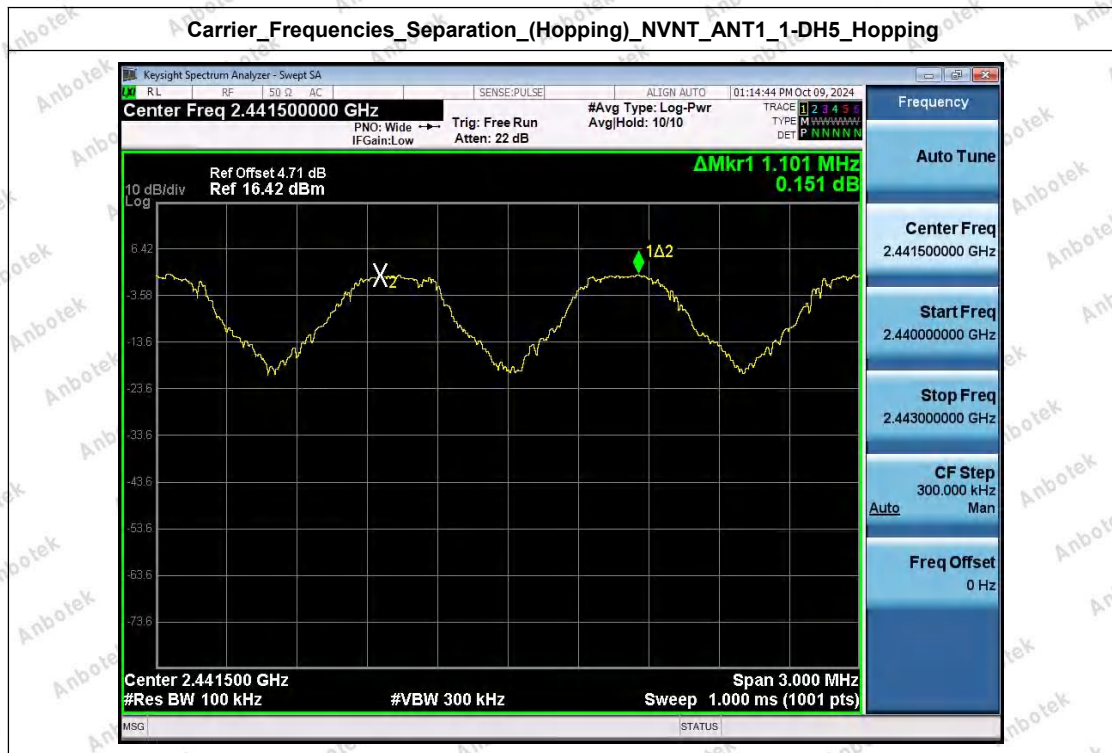


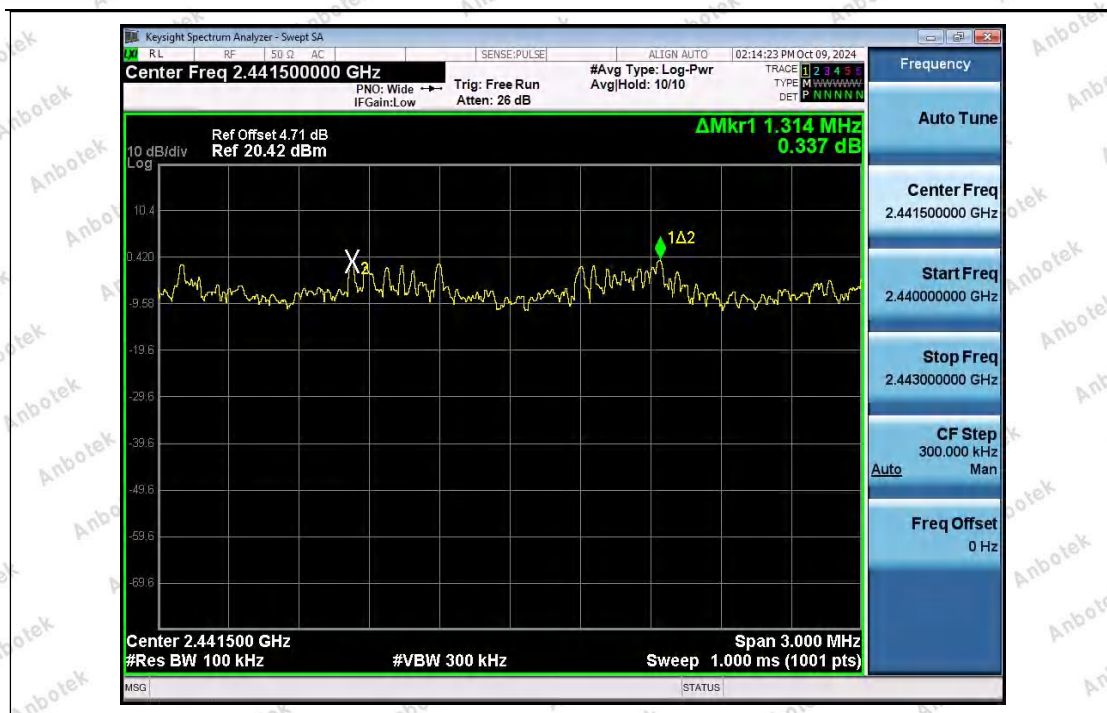
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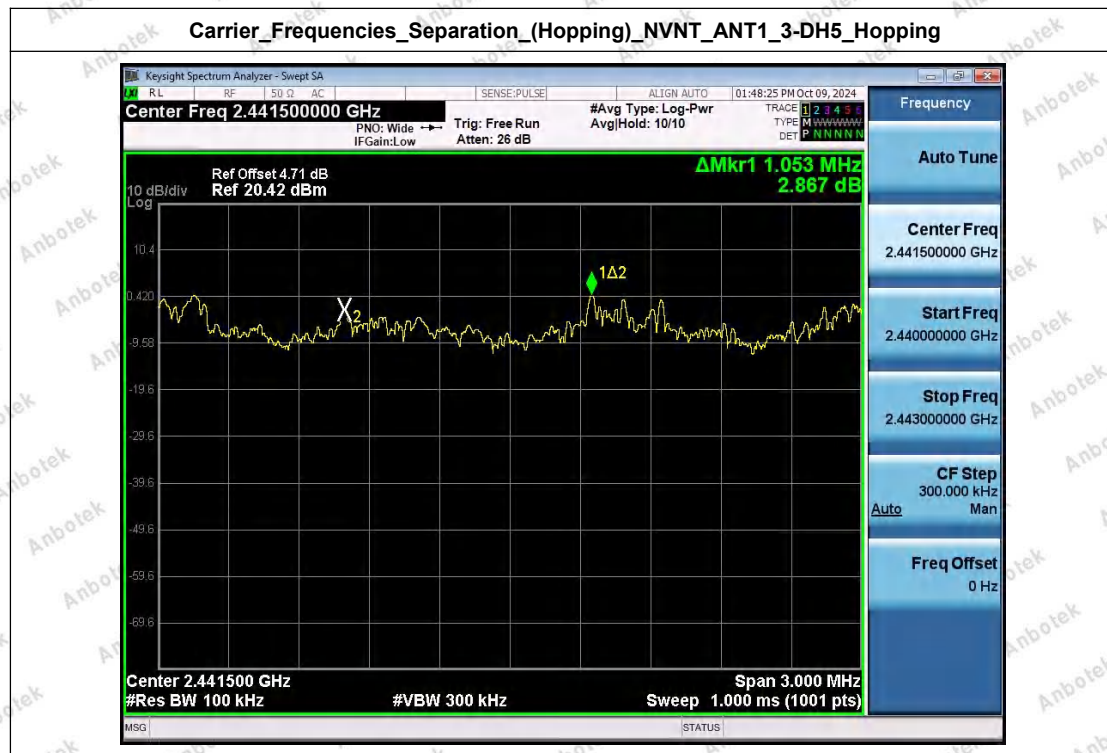
Appendix G: Carrier Frequencies Separation (Hopping)

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	2440.954	2442.055	1.10	0.567	Pass
NVNT	ANT1	2-DH5	2441.00	2440.825	2442.139	1.31	0.848	Pass
NVNT	ANT1	3-DH5	2441.00	2440.795	2441.848	1.05	0.841	Pass

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



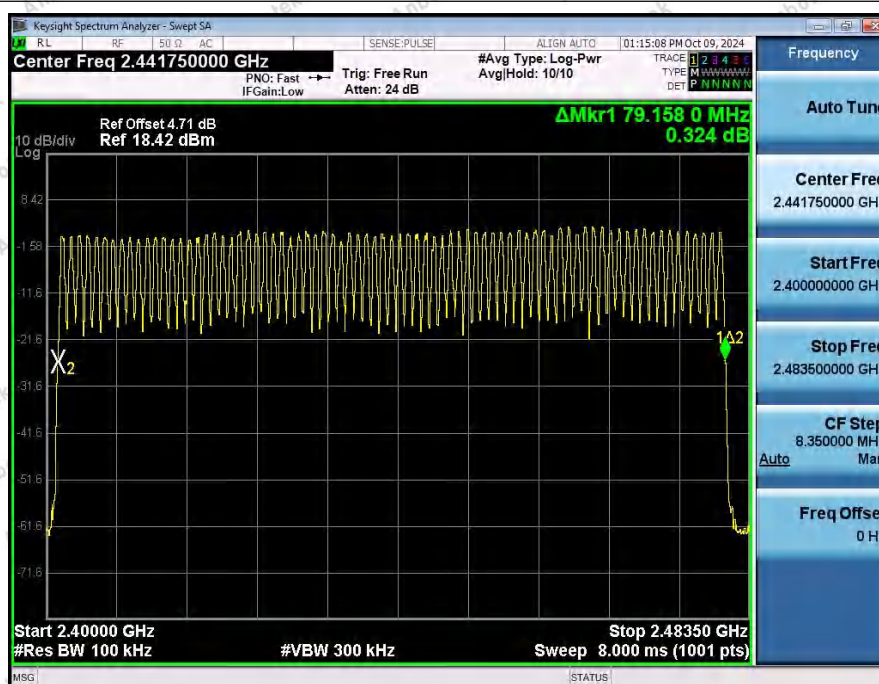
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



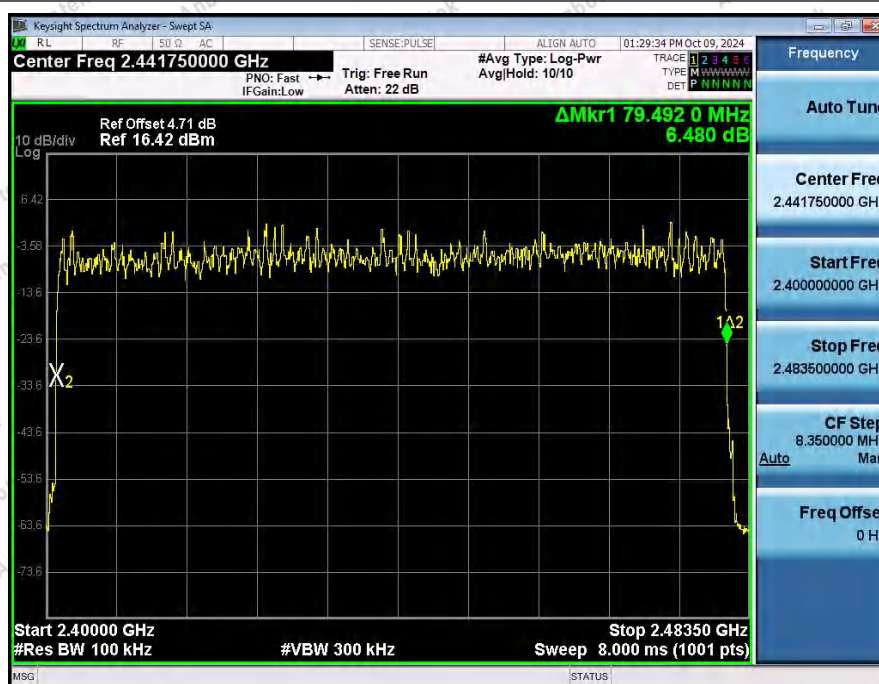
Appendix H: Number of Hopping Channel (Hopping)

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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Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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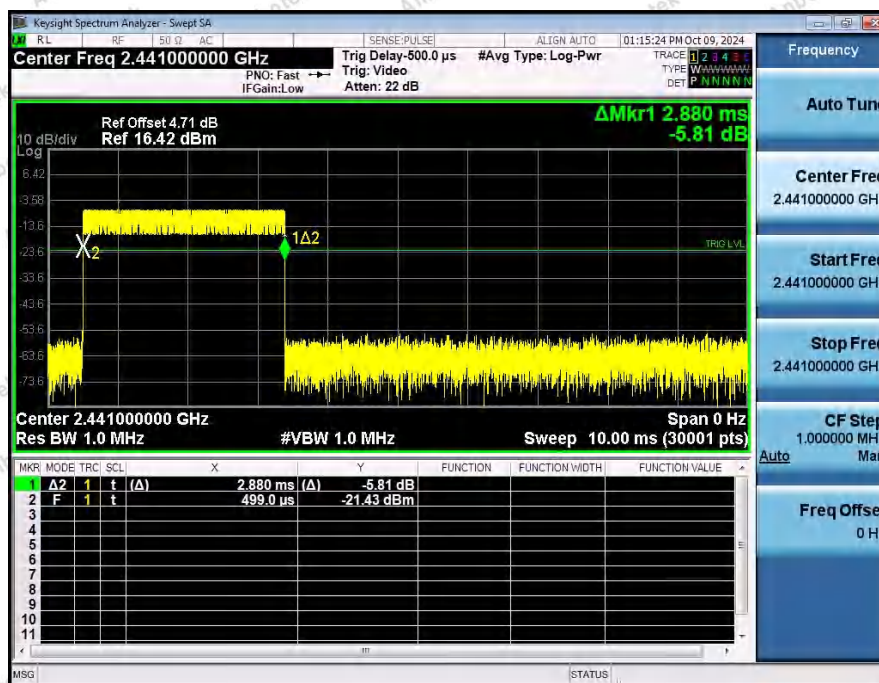


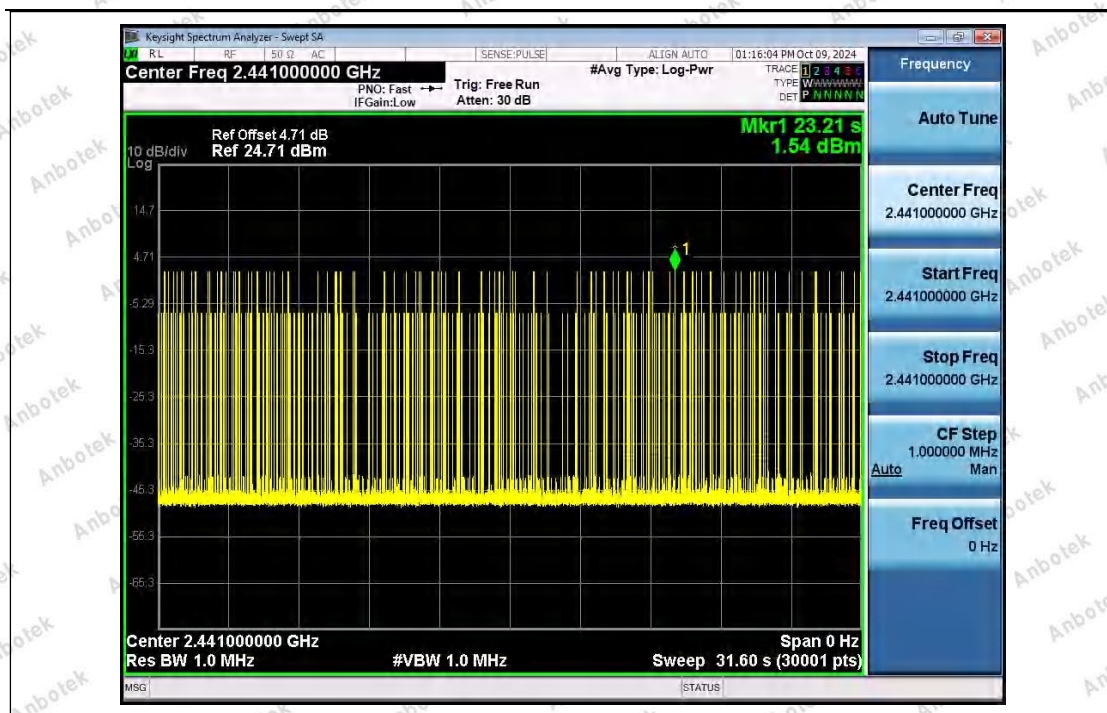
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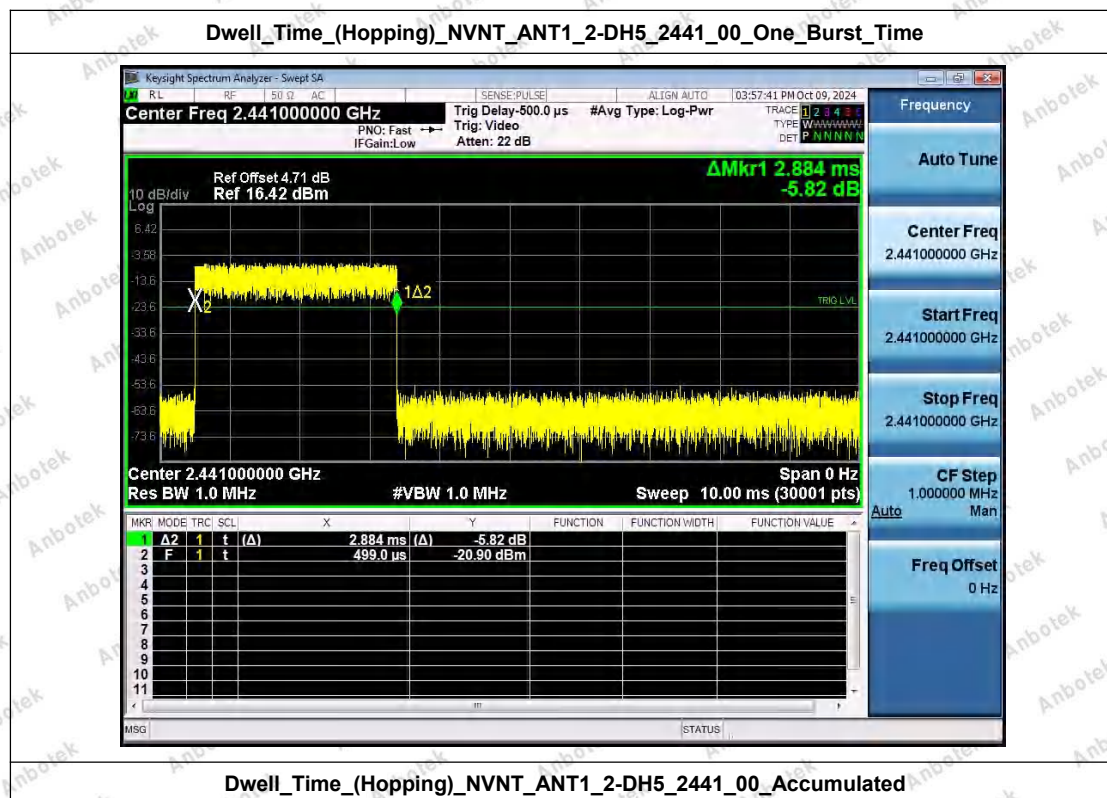
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.880	101.00	290.880	0.40	Pass
NVNT	ANT1	2-DH5	2.884	107.00	308.588	0.40	Pass
NVNT	ANT1	3-DH5	1.635	113.00	184.755	0.40	Pass
NVNT	ANT1	1-DH1	0.376	320.00	120.320	0.40	Pass
NVNT	ANT1	1-DH3	1.632	154.00	251.328	0.40	Pass
NVNT	ANT1	2-DH1	0.384	320.00	122.880	0.40	Pass
NVNT	ANT1	2-DH3	1.636	165.00	269.940	0.40	Pass
NVNT	ANT1	3-DH1	0.384	320.00	122.880	0.40	Pass
NVNT	ANT1	3-DH3	1.635	159.00	259.965	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**

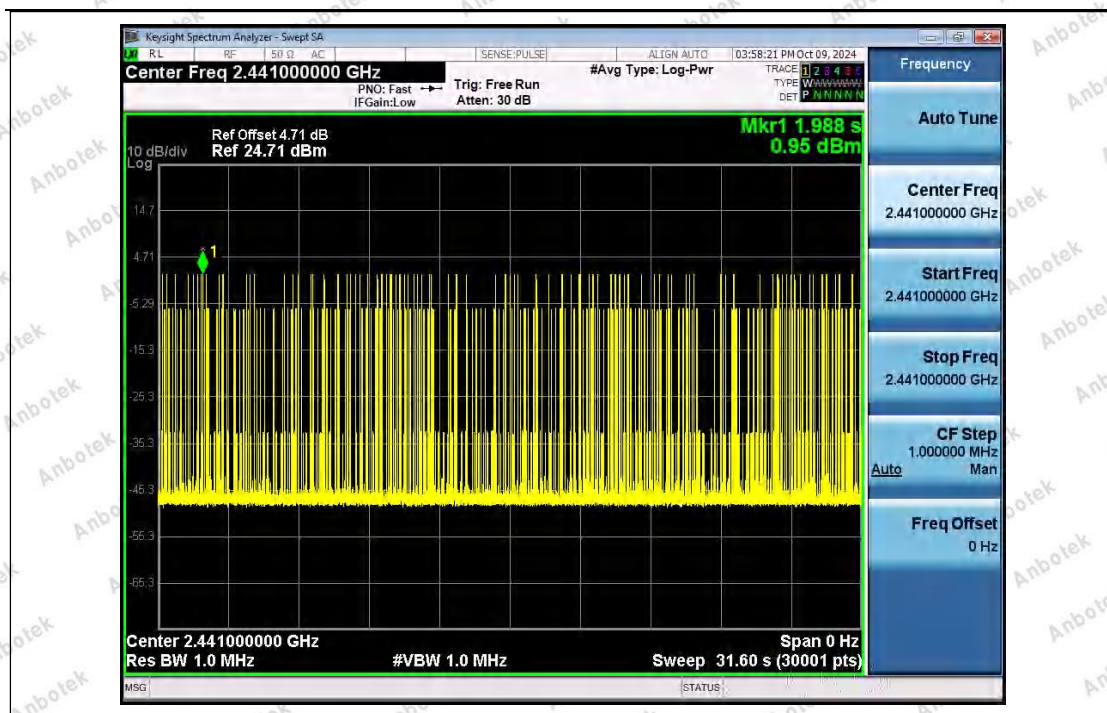


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time

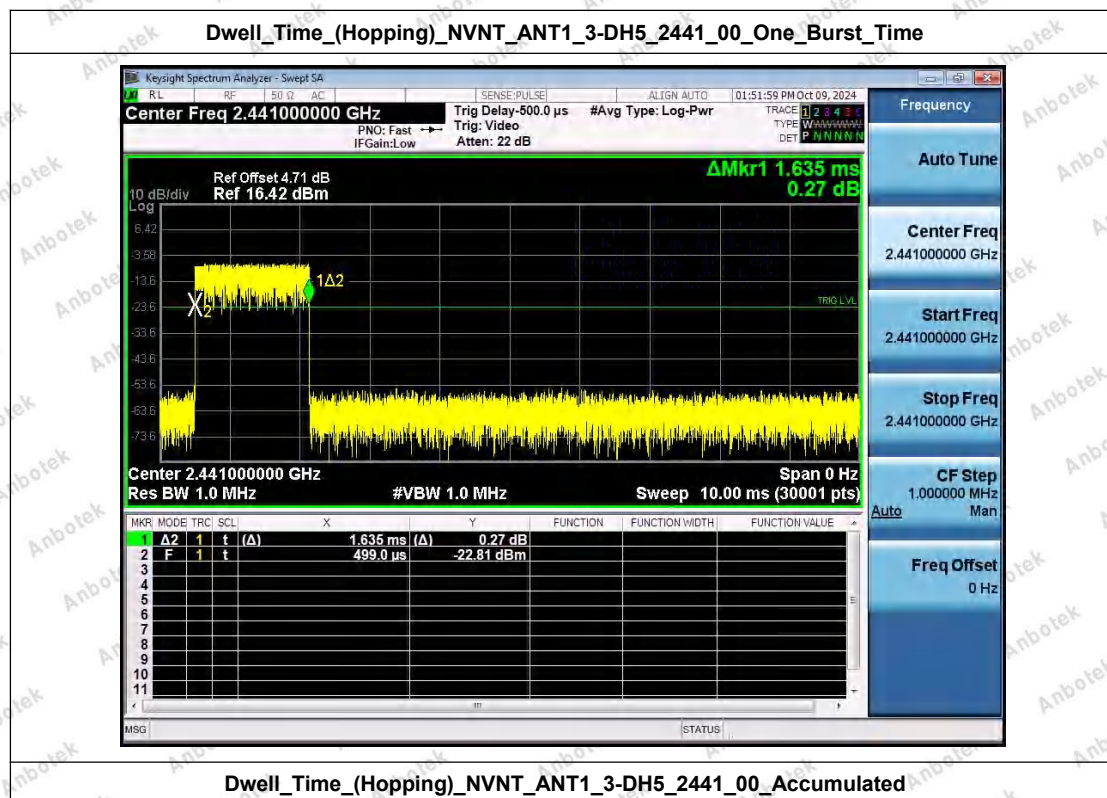


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated





Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated

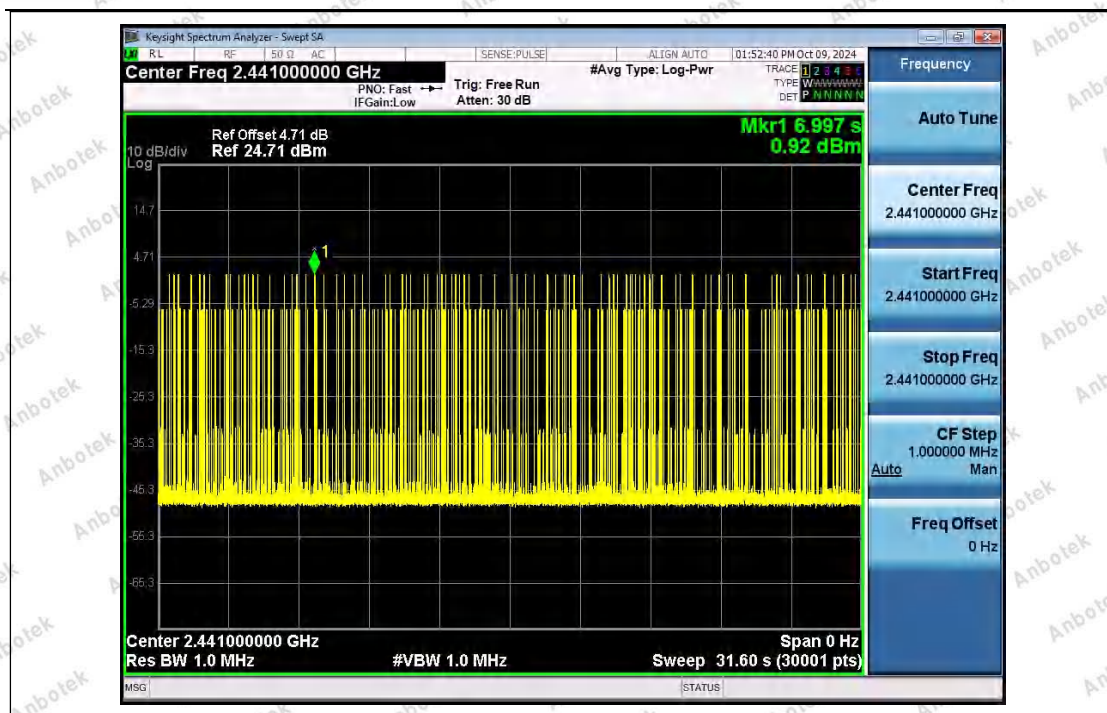
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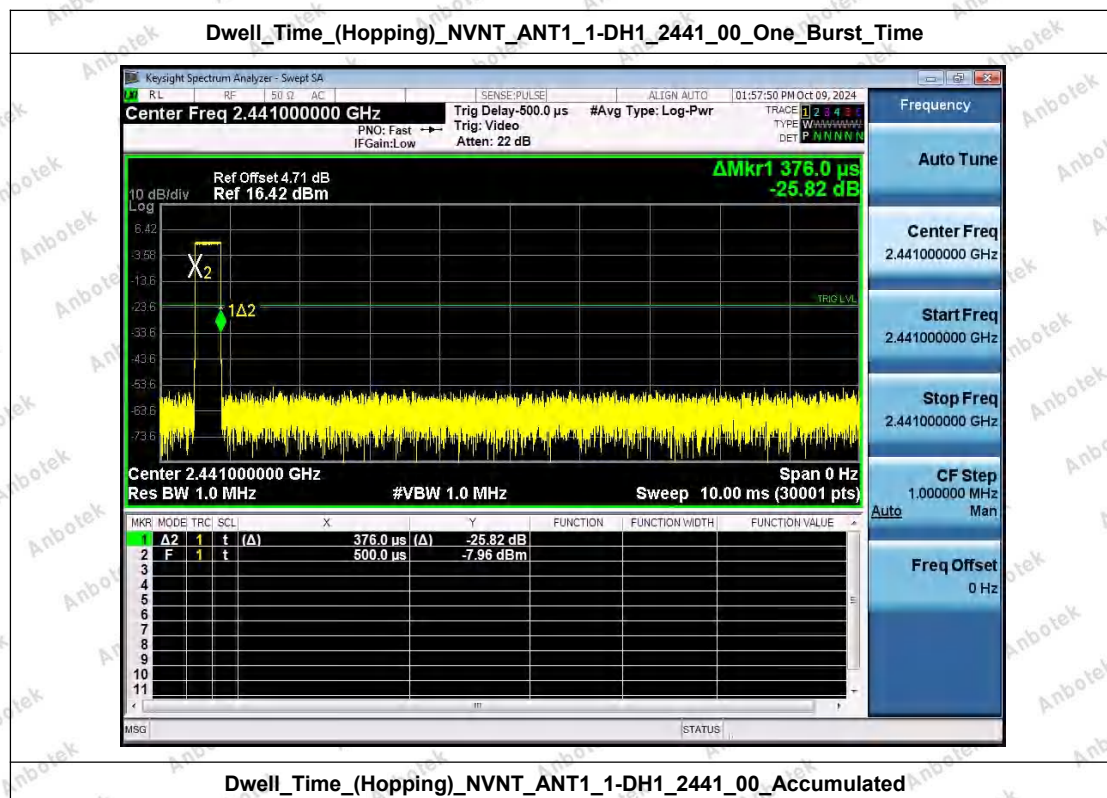


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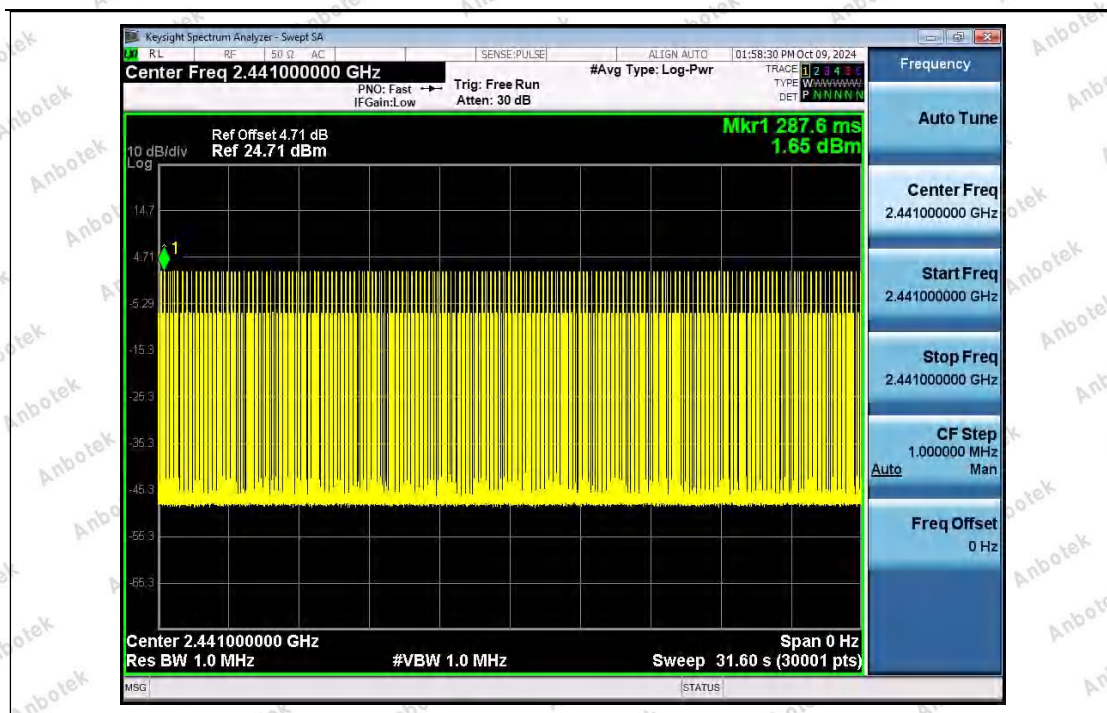


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time

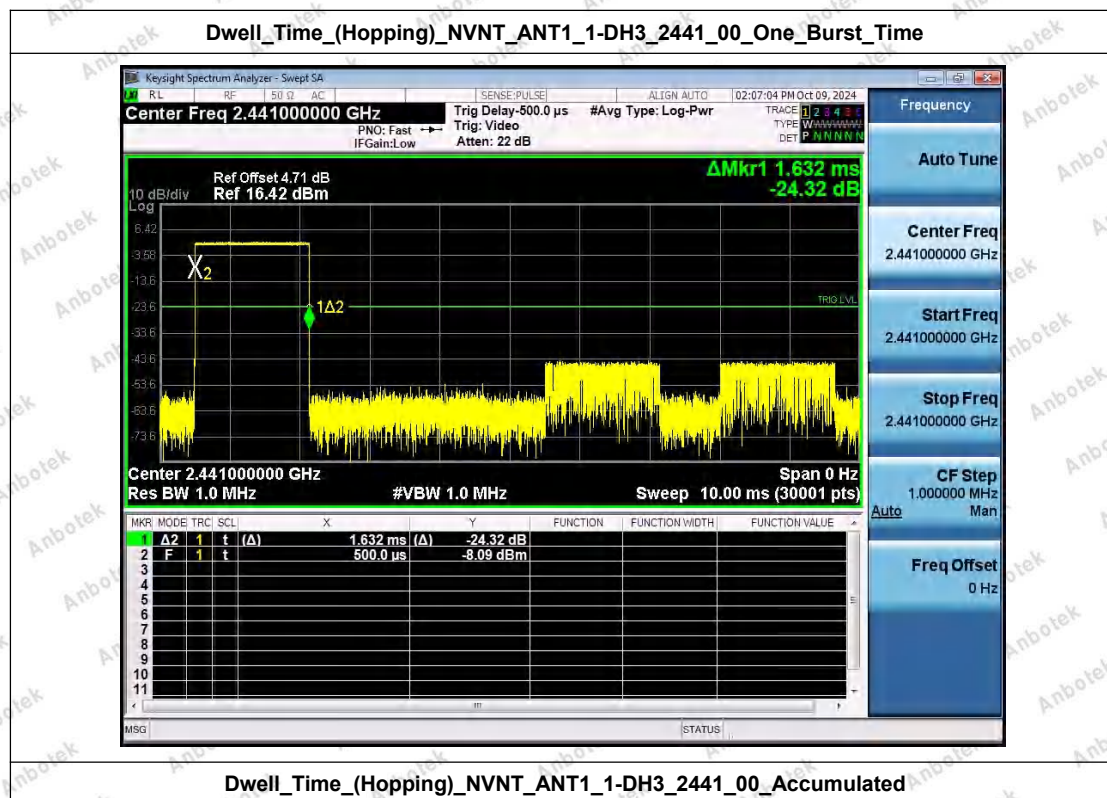


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_Accumulated



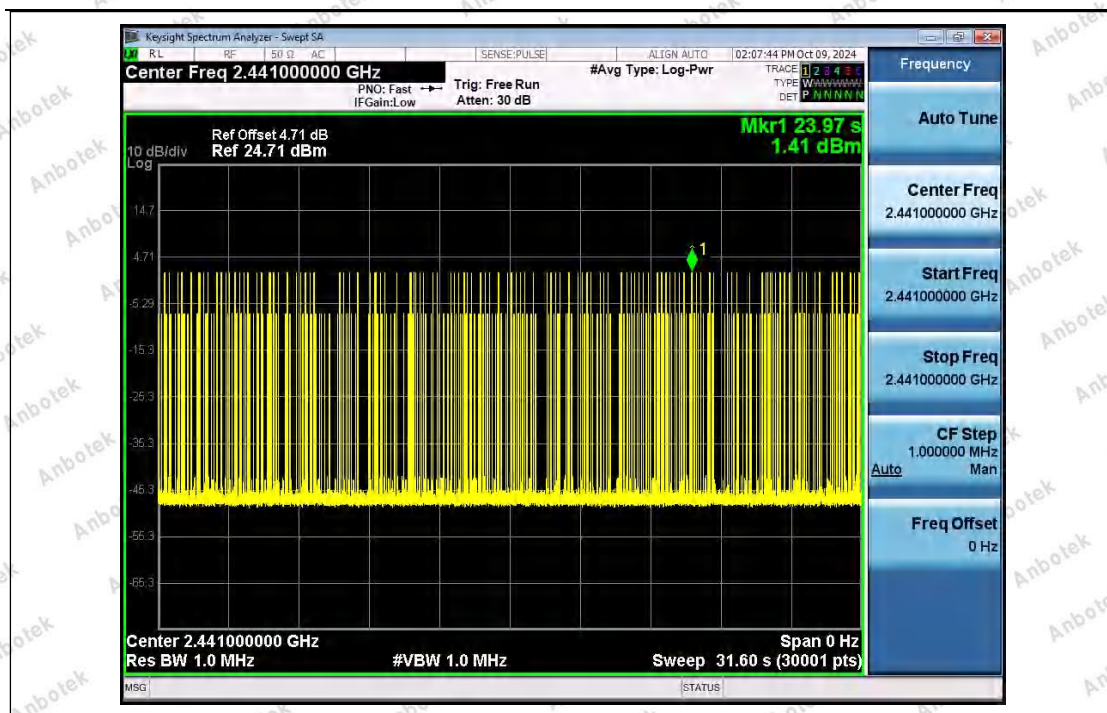


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time

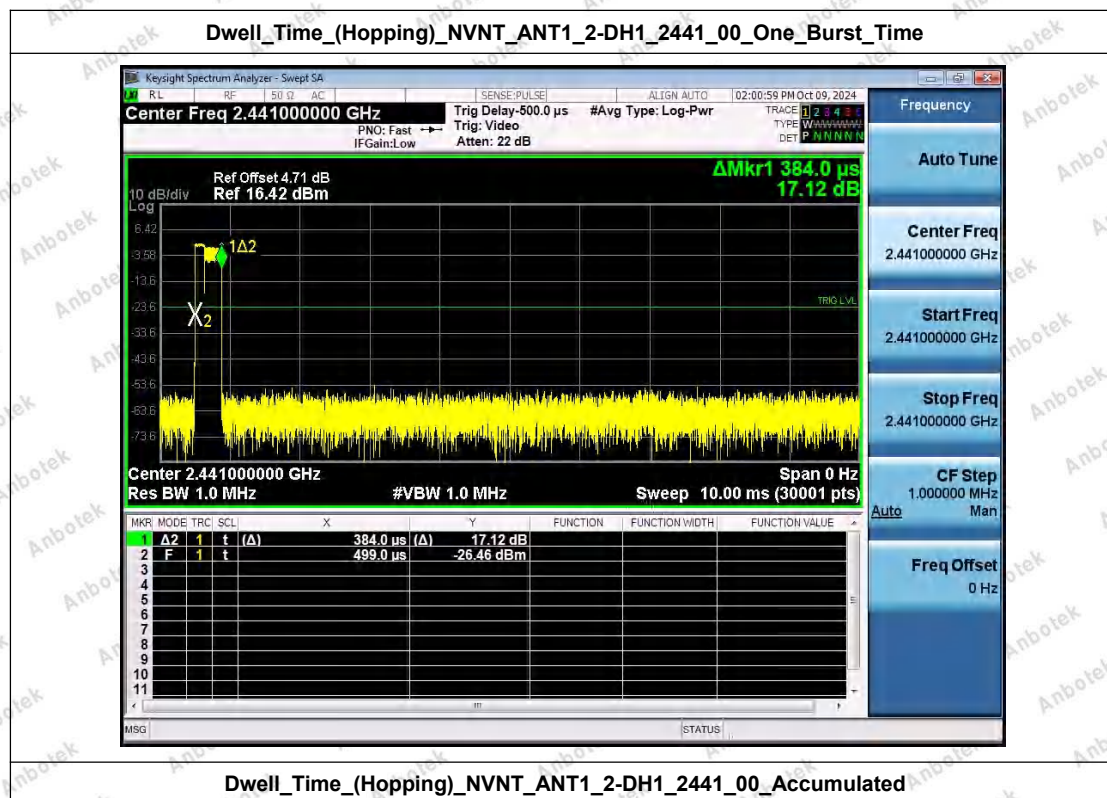


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated



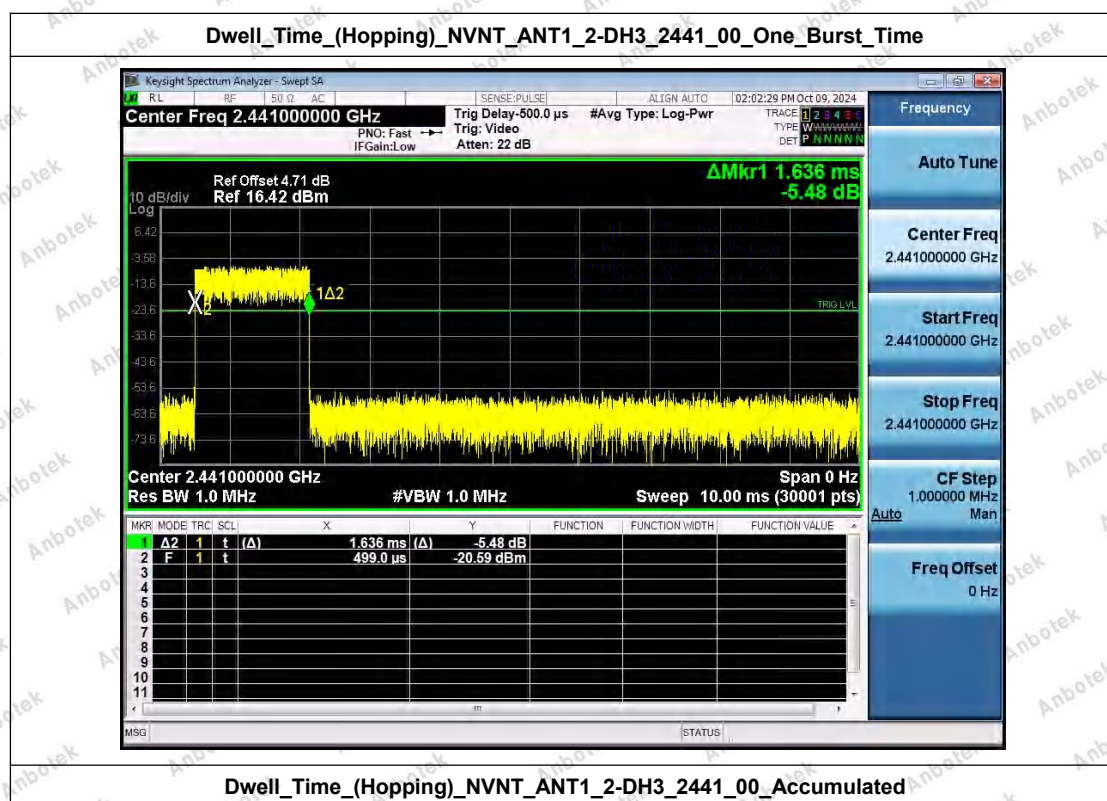
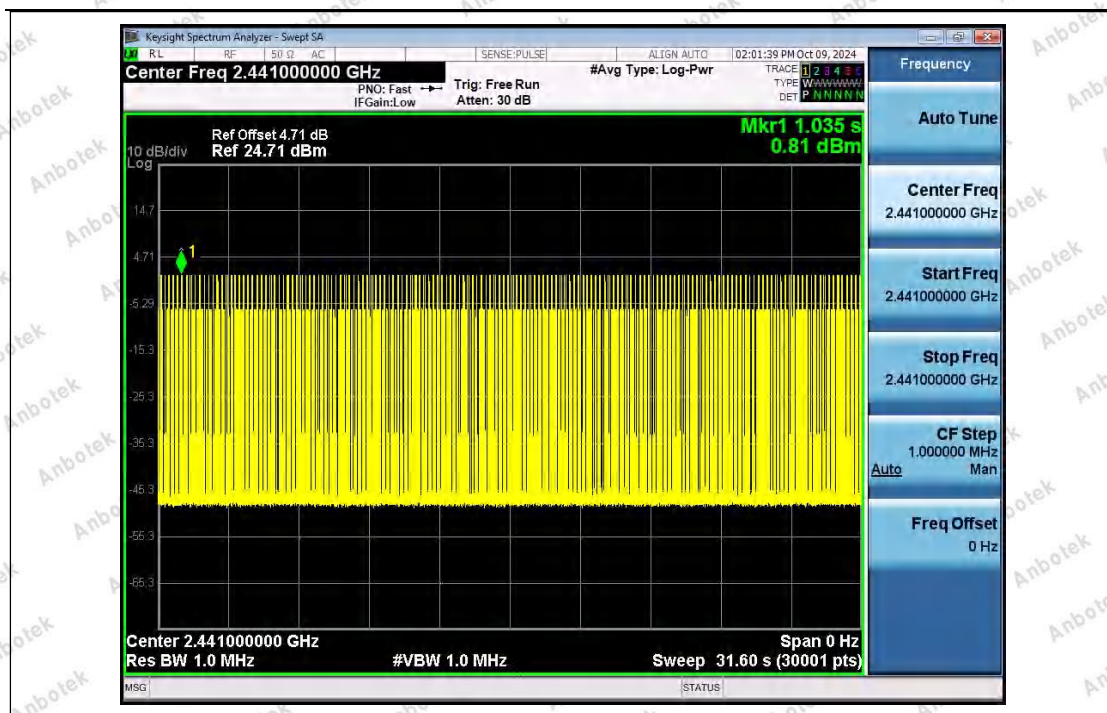


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_Accumulated





Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_Accumulated

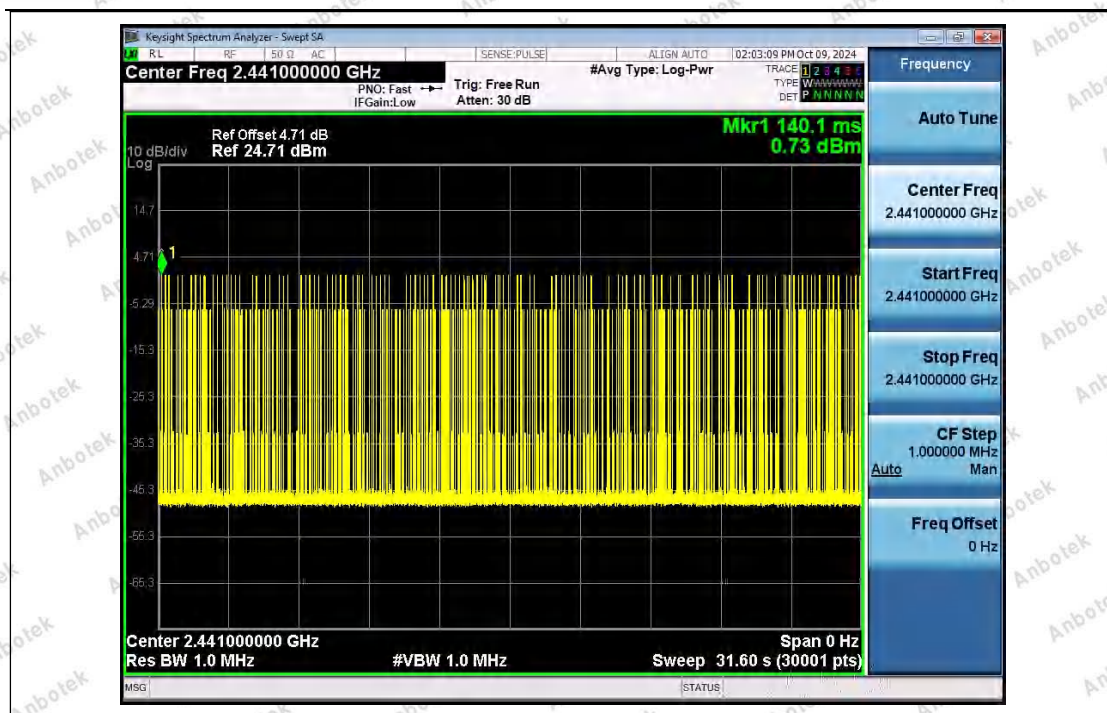
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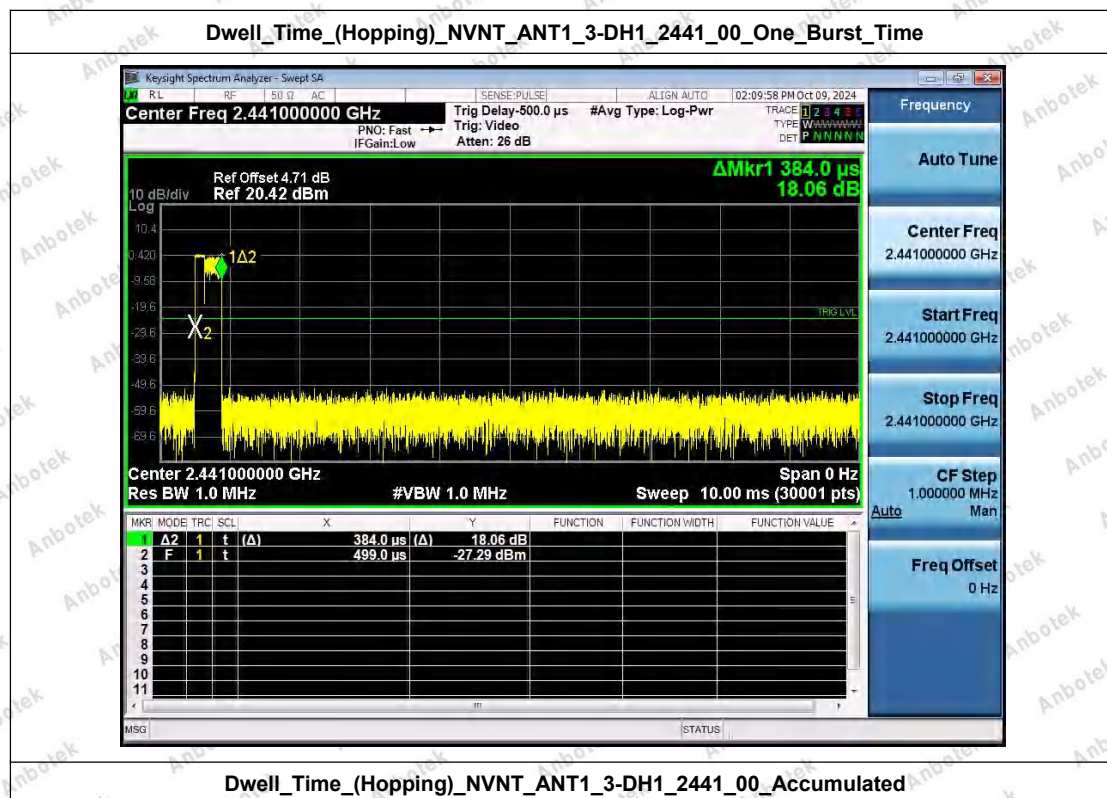


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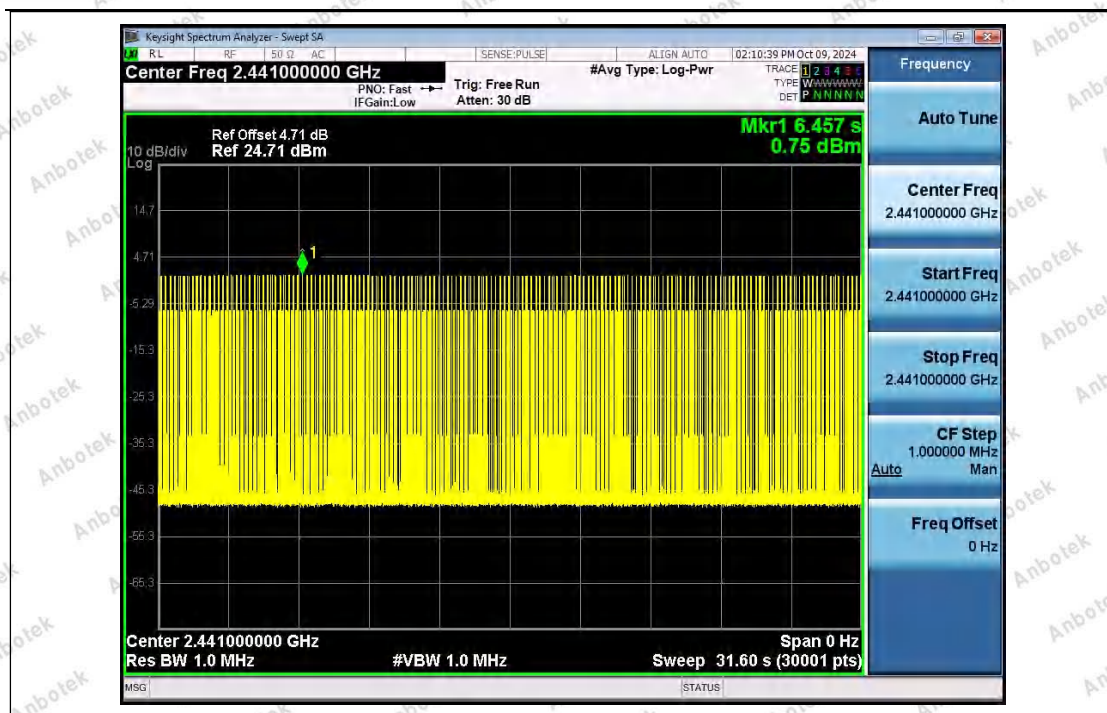


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time

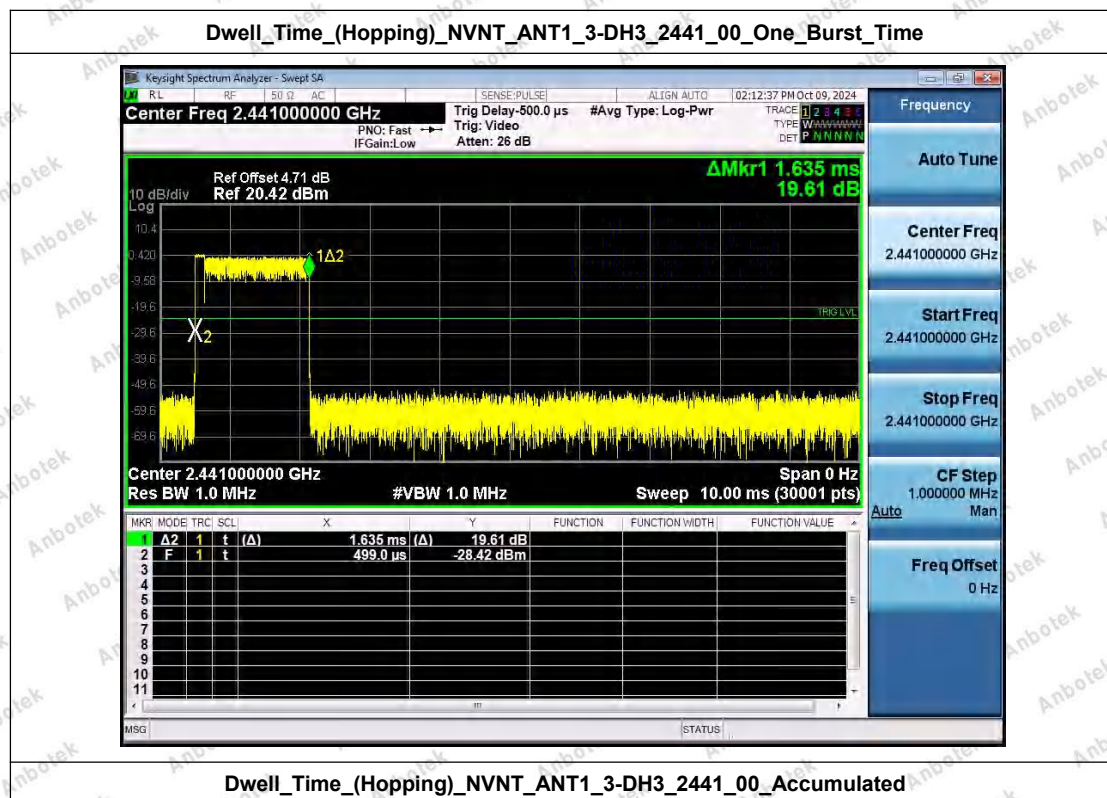


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated





Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



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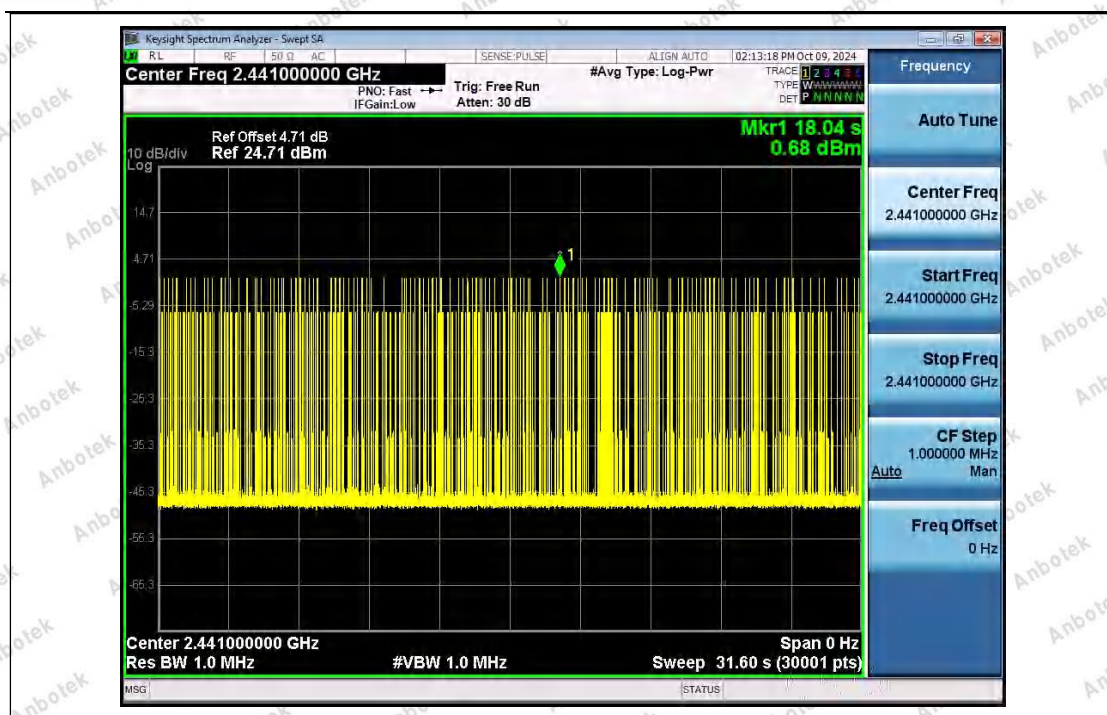
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