

Appendix Test Data

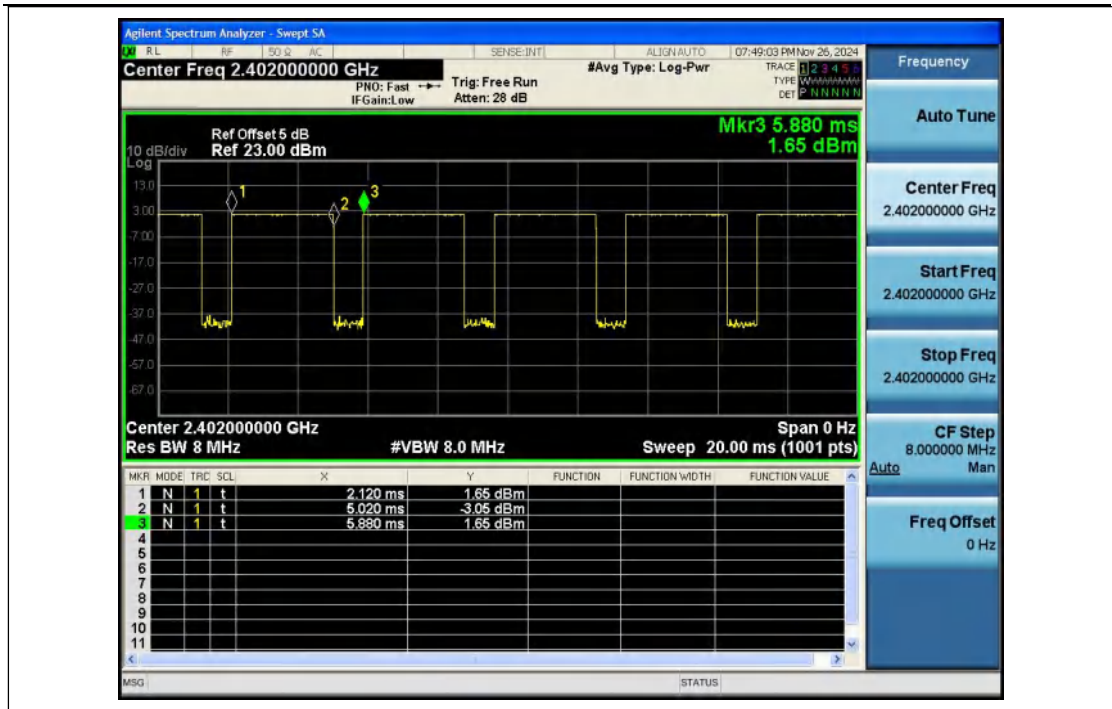
Report No.:	1812C40147812501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.21	Finish Test Date:	2025.3.25
Test Engineer:	<i>Foker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.3°C	Relative Humidity:	40%
Pressure:	101kPa		

Appendix A: Duty Cycle

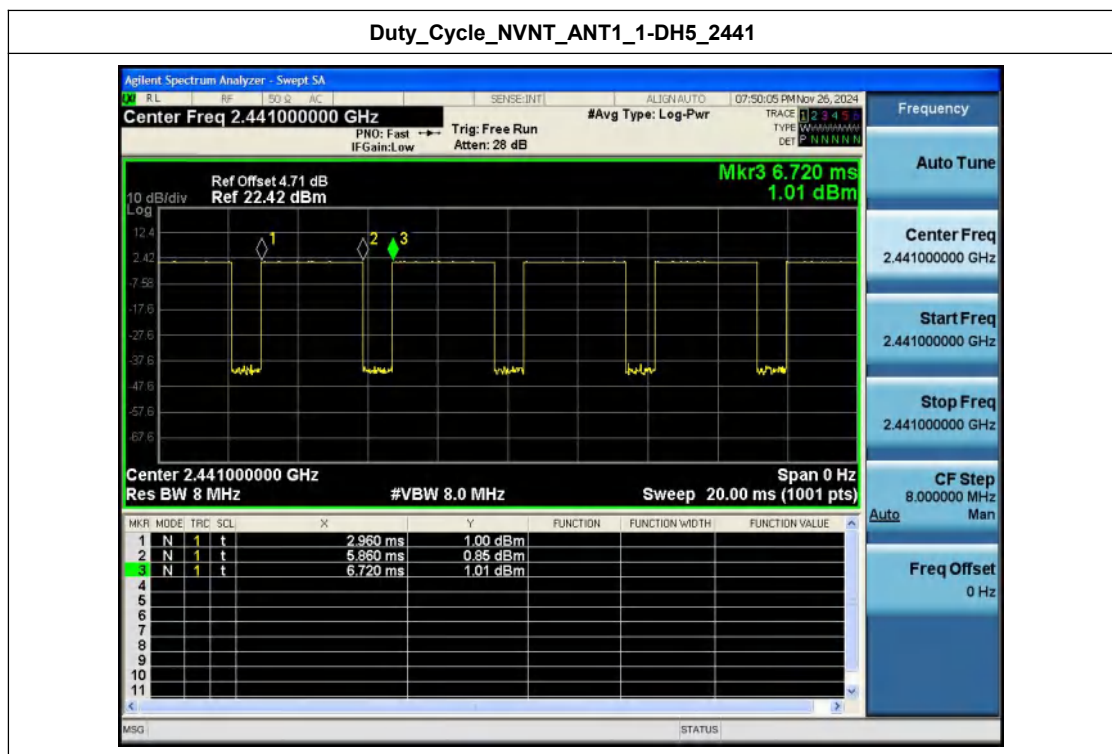
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.66	1.10
NVNT	ANT1	1-DH5	2441.00	77.66	1.10
NVNT	ANT1	1-DH5	2480.00	77.54	1.10
NVNT	ANT1	2-DH5	2402.00	77.13	1.13
NVNT	ANT1	2-DH5	2441.00	77.66	1.10
NVNT	ANT1	2-DH5	2480.00	77.54	1.10
NVNT	ANT1	3-DH5	2402.00	78.07	1.07
NVNT	ANT1	3-DH5	2441.00	77.66	1.10
NVNT	ANT1	3-DH5	2480.00	77.66	1.10

Duty_Cycle_NVNT_ANT1_1-DH5_2402



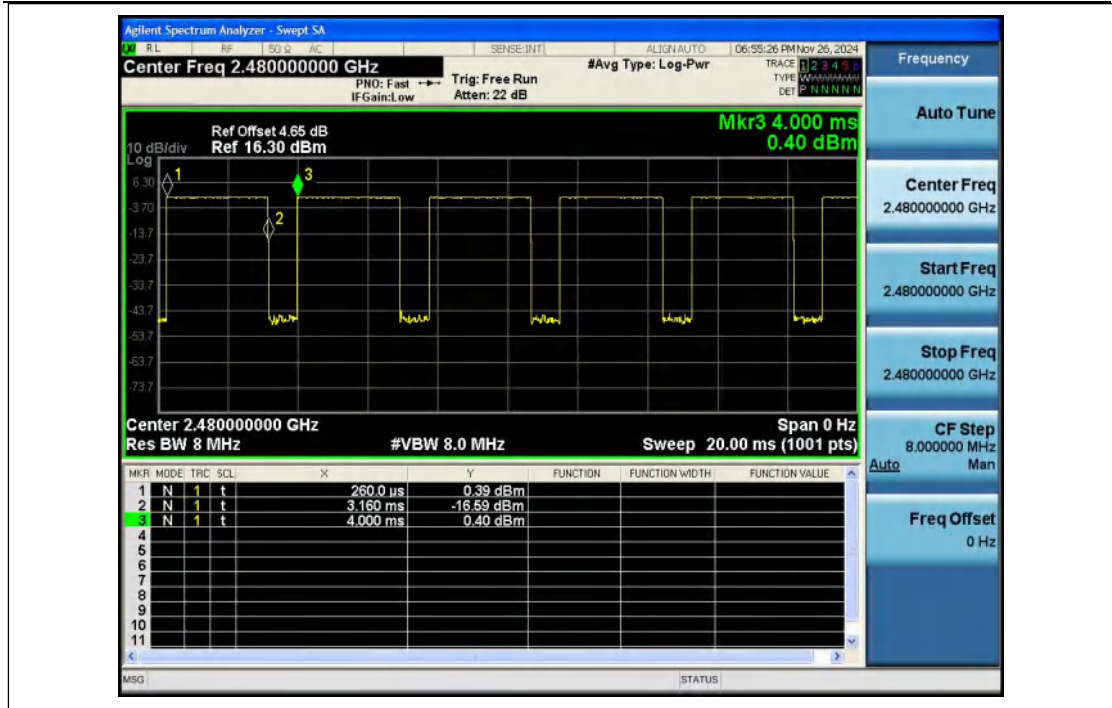


Duty_Cycle_NVNT_ANT1_1-DH5_2441

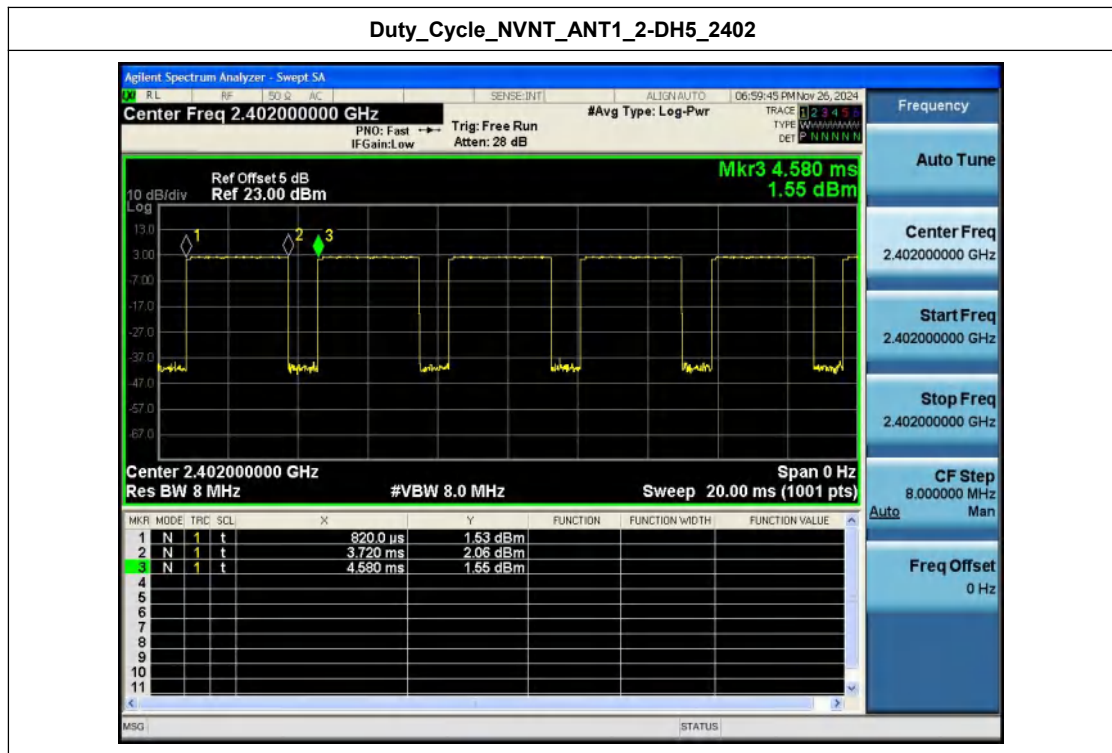


Duty_Cycle_NVNT_ANT1_1-DH5_2480



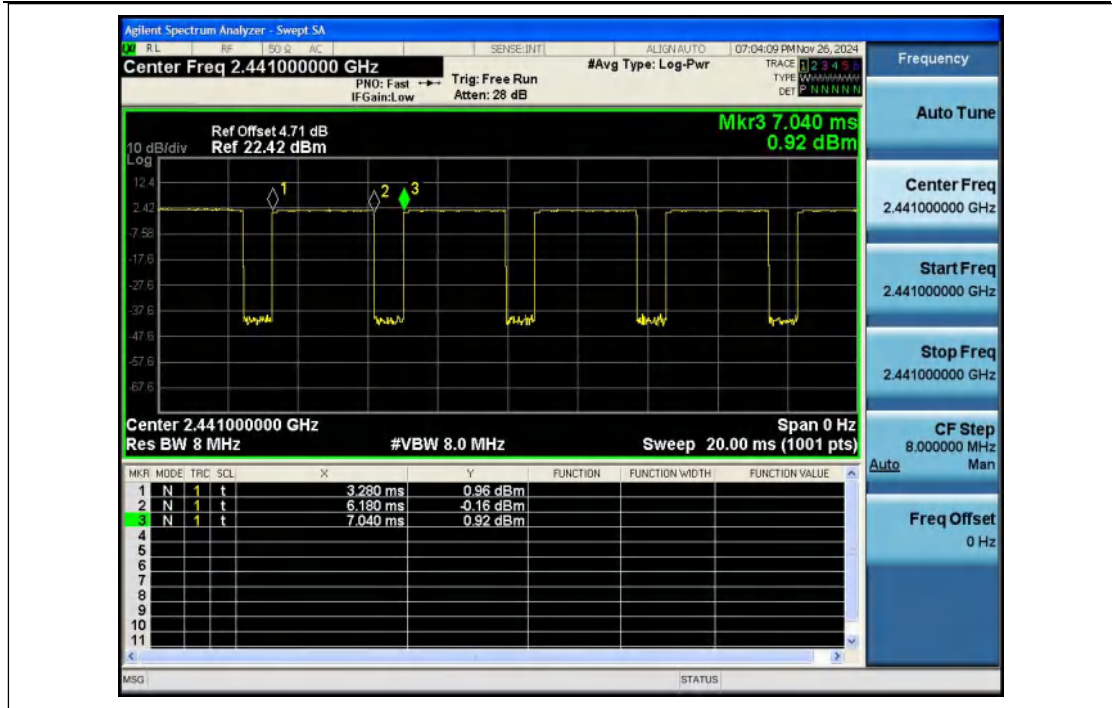


Duty_Cycle_NVNT_ANT1_2-DH5_2402

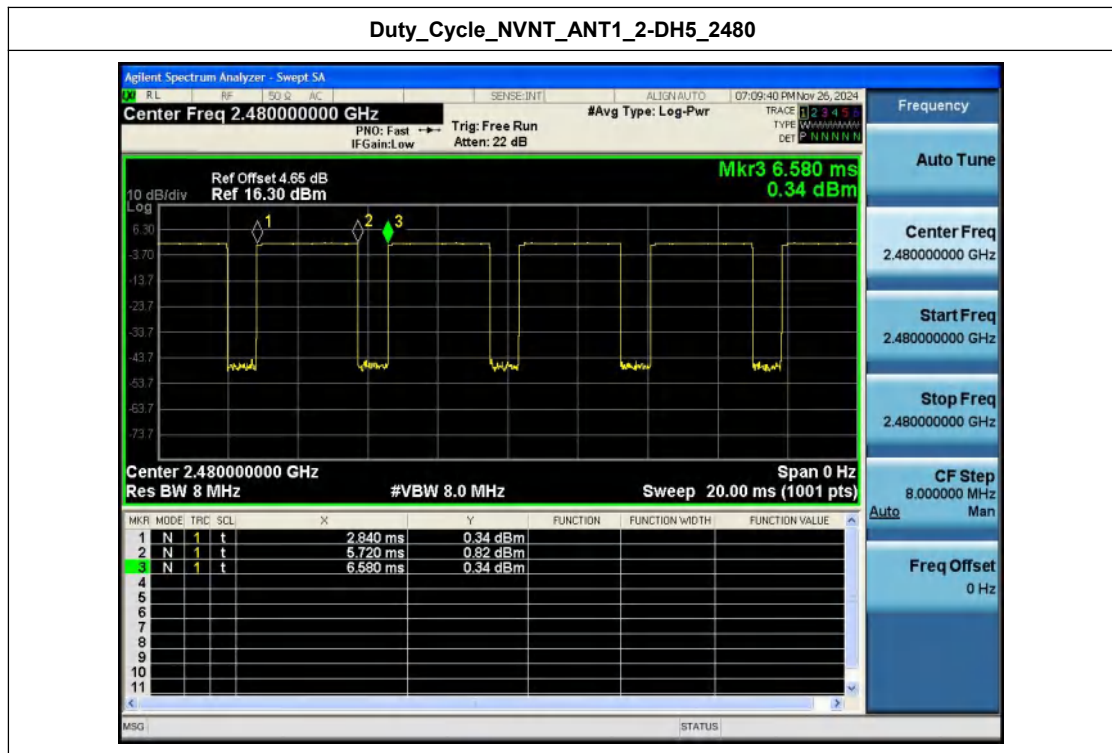


Duty_Cycle_NVNT_ANT1_2-DH5_2441



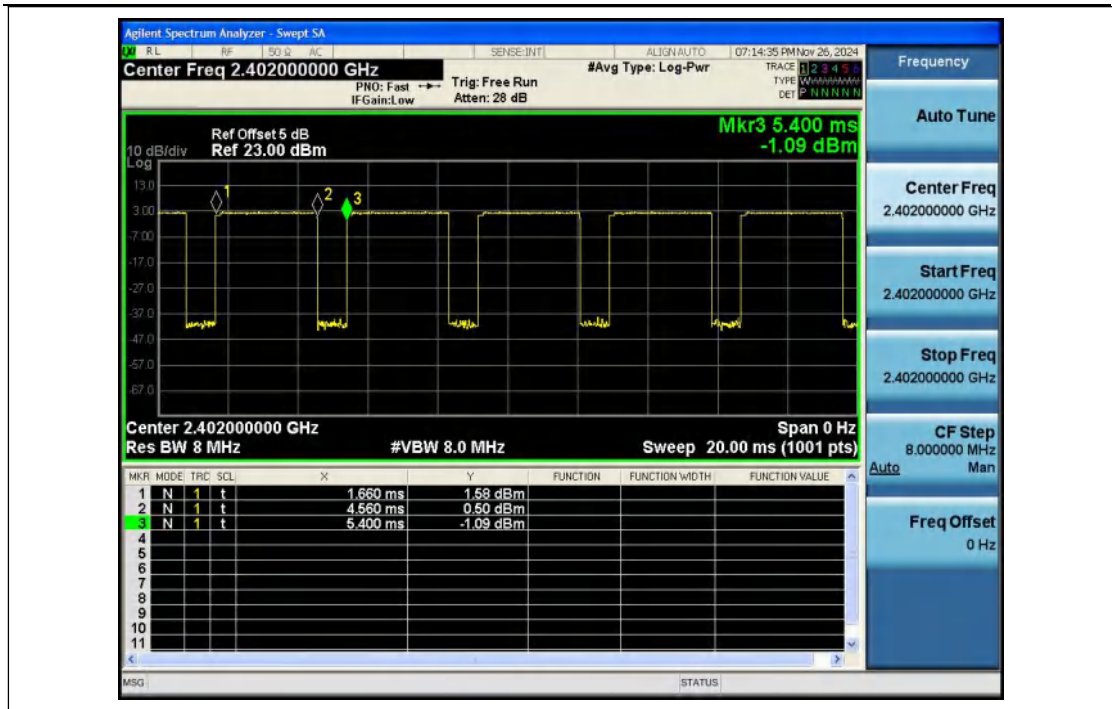


Duty_Cycle_NVNT_ANT1_2-DH5_2480

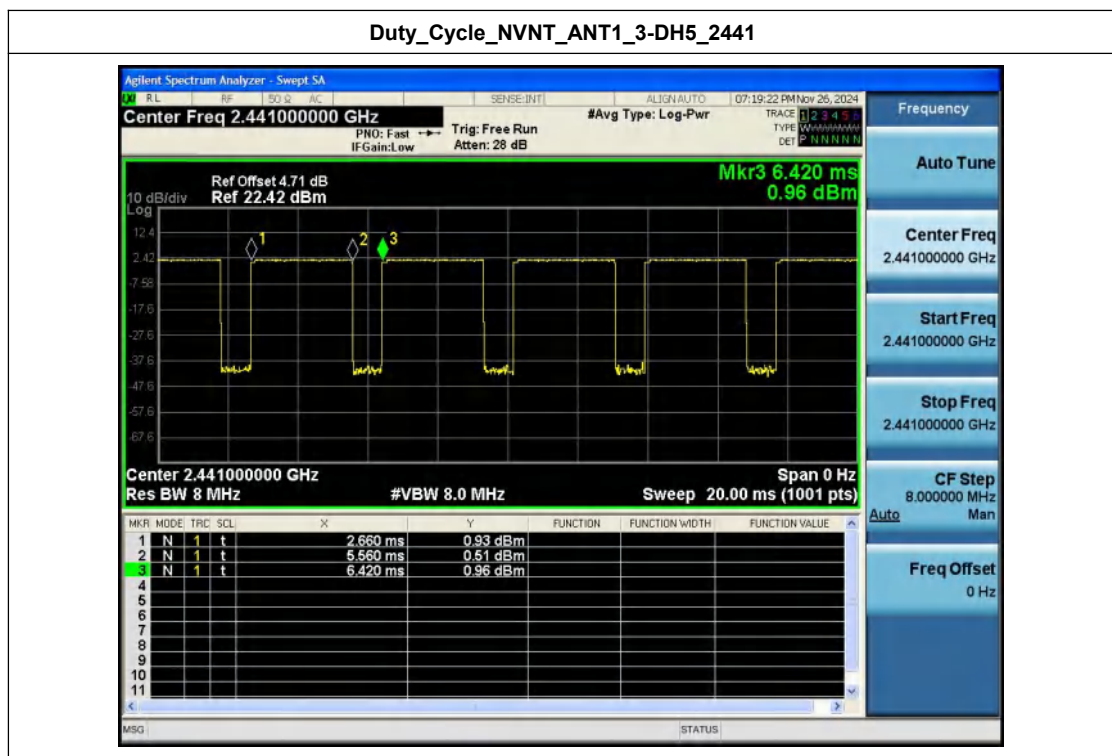


Duty_Cycle_NVNT_ANT1_3-DH5_2402



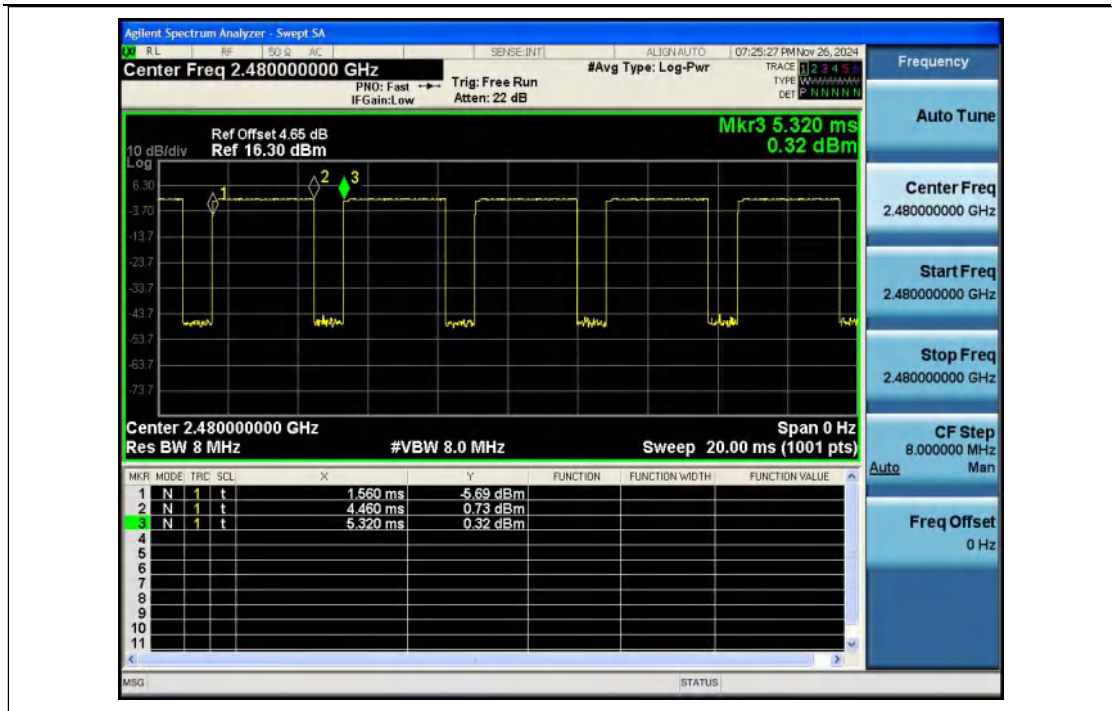


Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480





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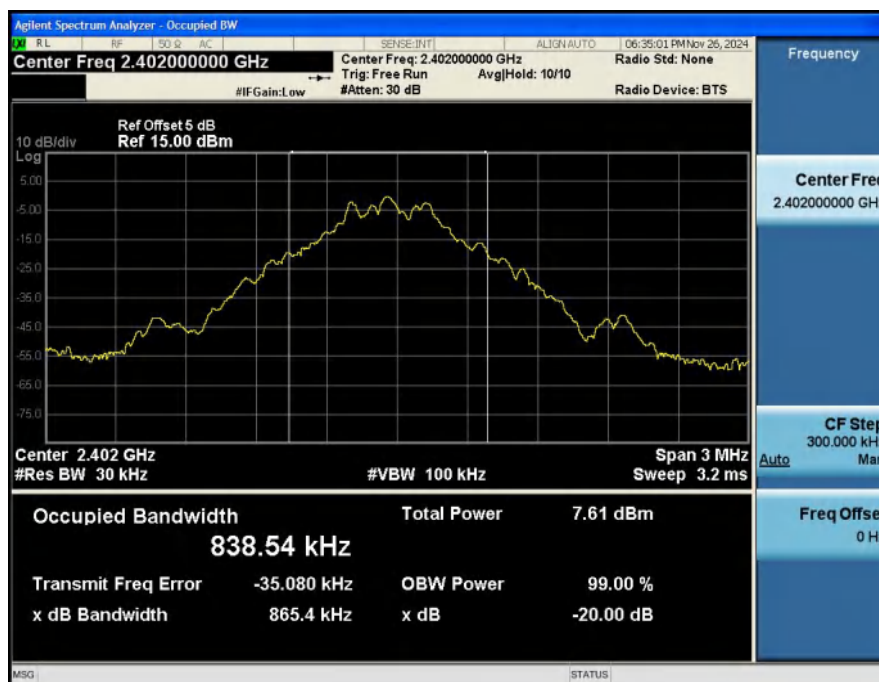
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Appendix B: -20dB Bandwidth

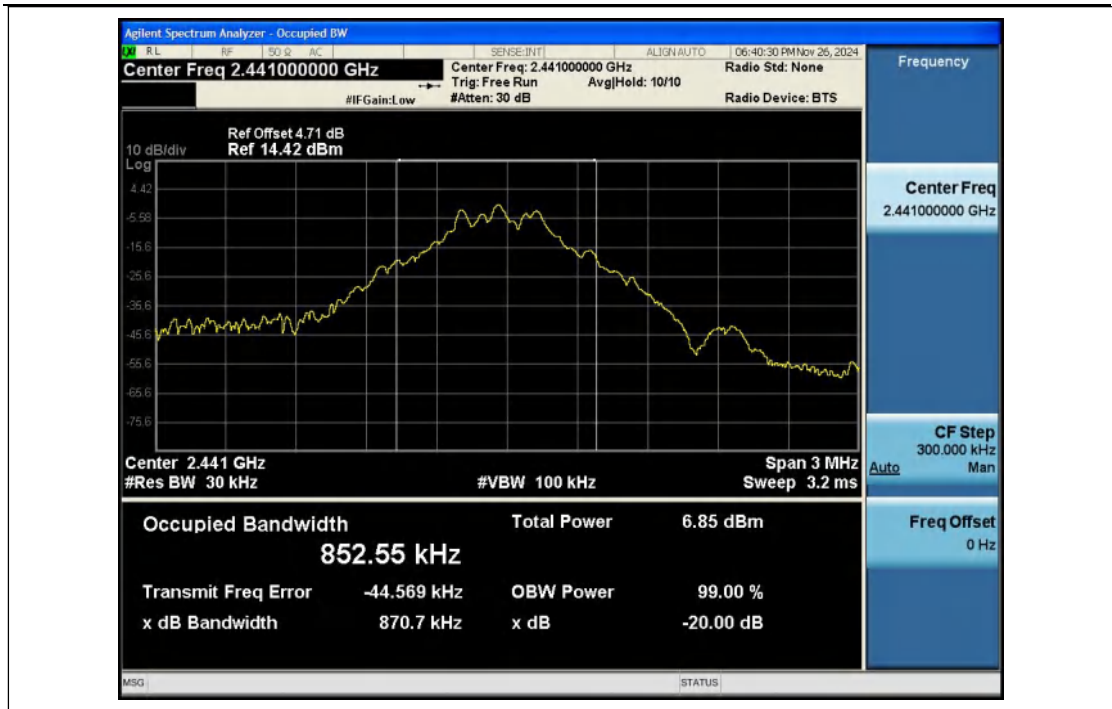
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.865	No
NVNT	ANT1	1-DH5	2441.00	0.871	No
NVNT	ANT1	1-DH5	2480.00	1.014	Yes
NVNT	ANT1	2-DH5	2402.00	1.286	Yes
NVNT	ANT1	2-DH5	2441.00	1.290	Yes
NVNT	ANT1	2-DH5	2480.00	1.312	Yes
NVNT	ANT1	3-DH5	2402.00	1.291	Yes
NVNT	ANT1	3-DH5	2441.00	1.299	Yes
NVNT	ANT1	3-DH5	2480.00	1.304	Yes

-20dB_Bandwidth_NVNT_ANT1_1-DH5_2402_00

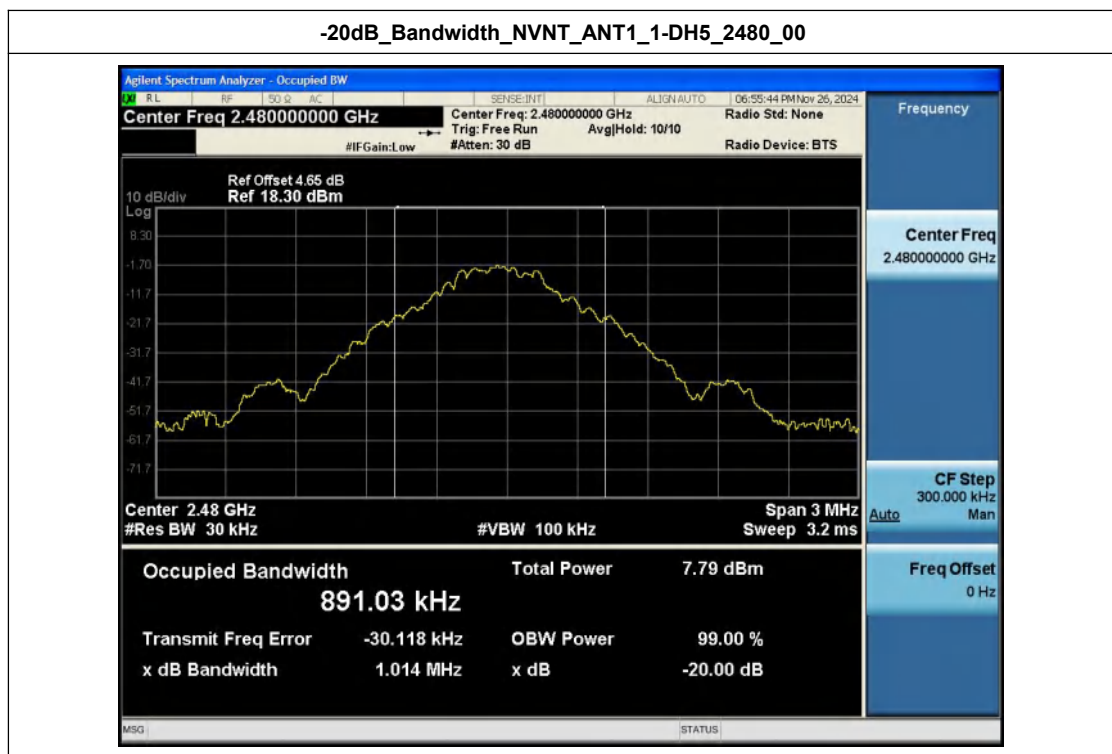


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



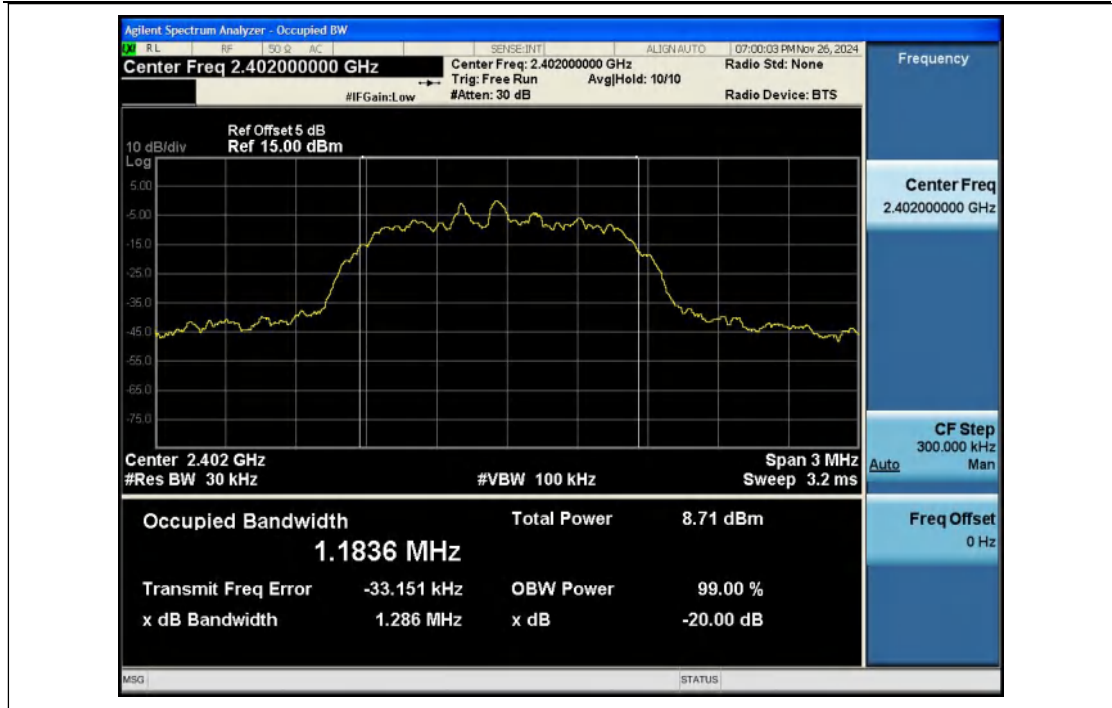


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00

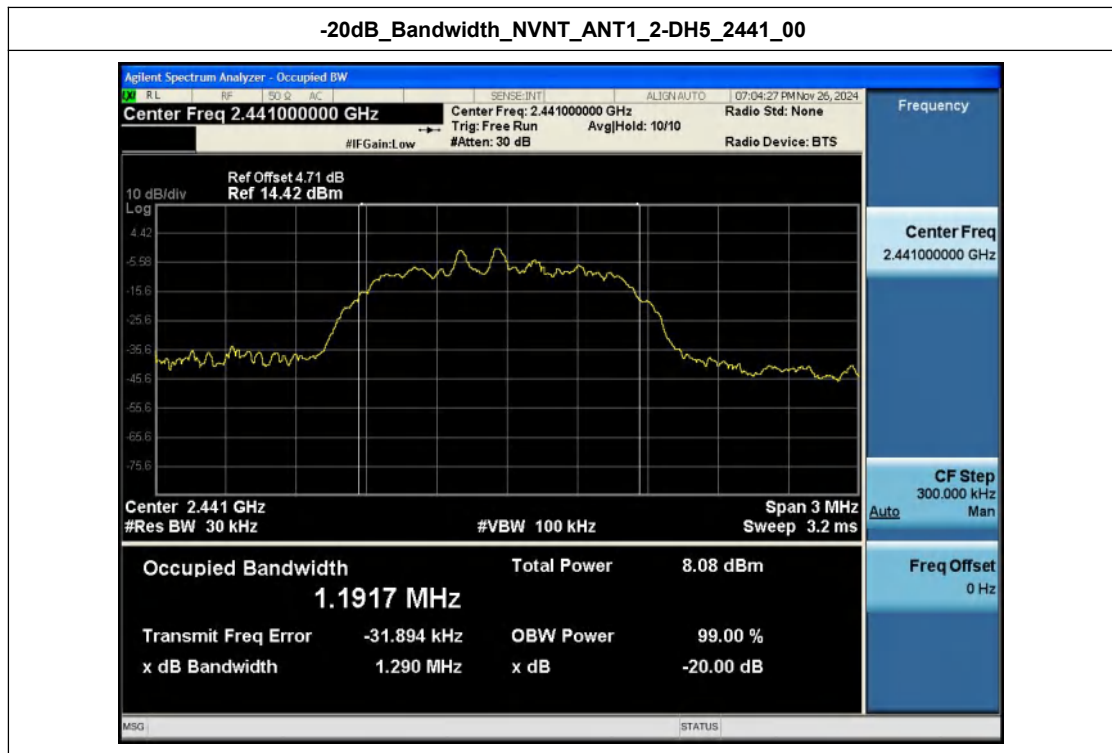


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



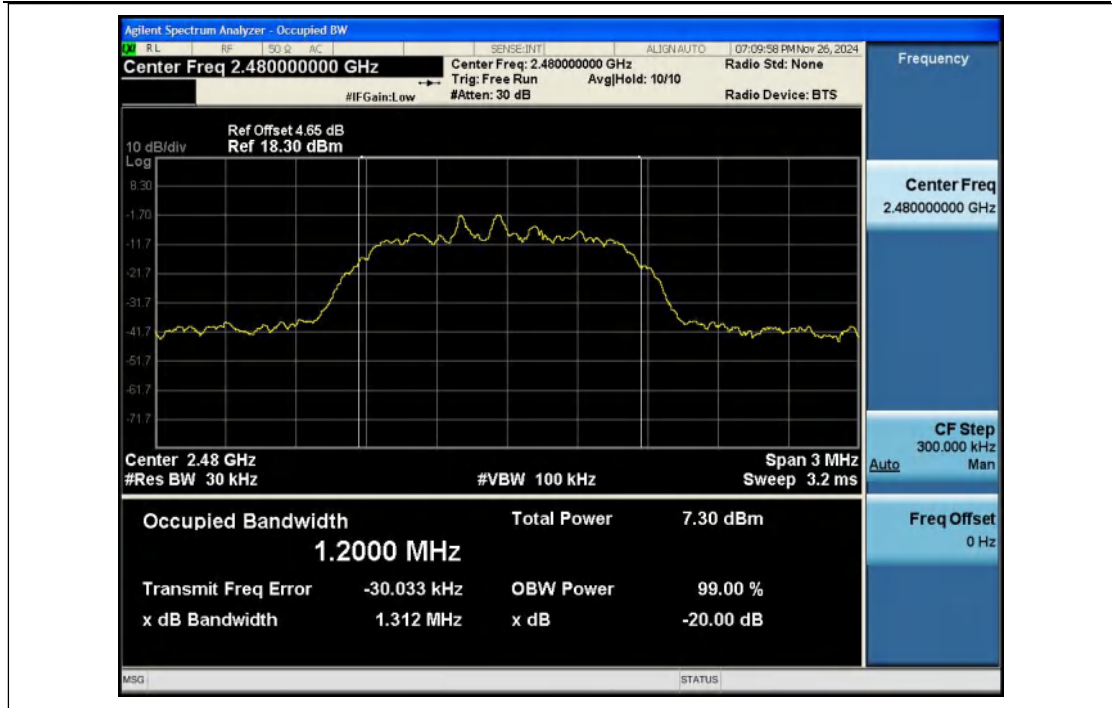


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441_00

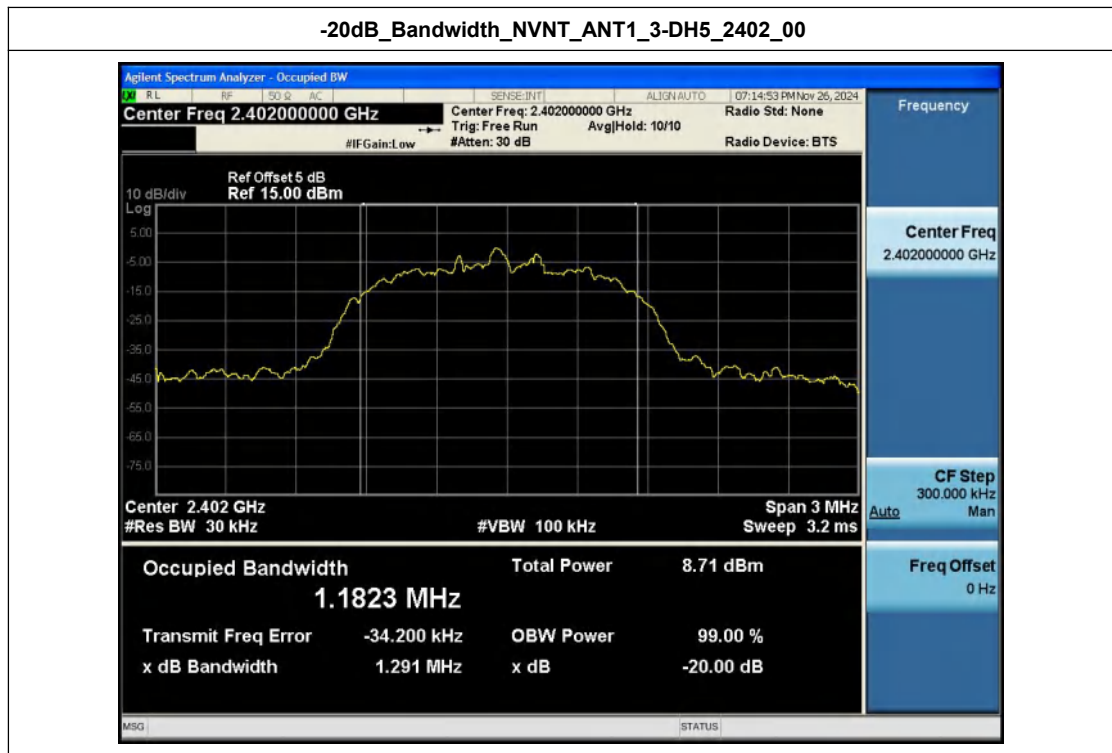


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



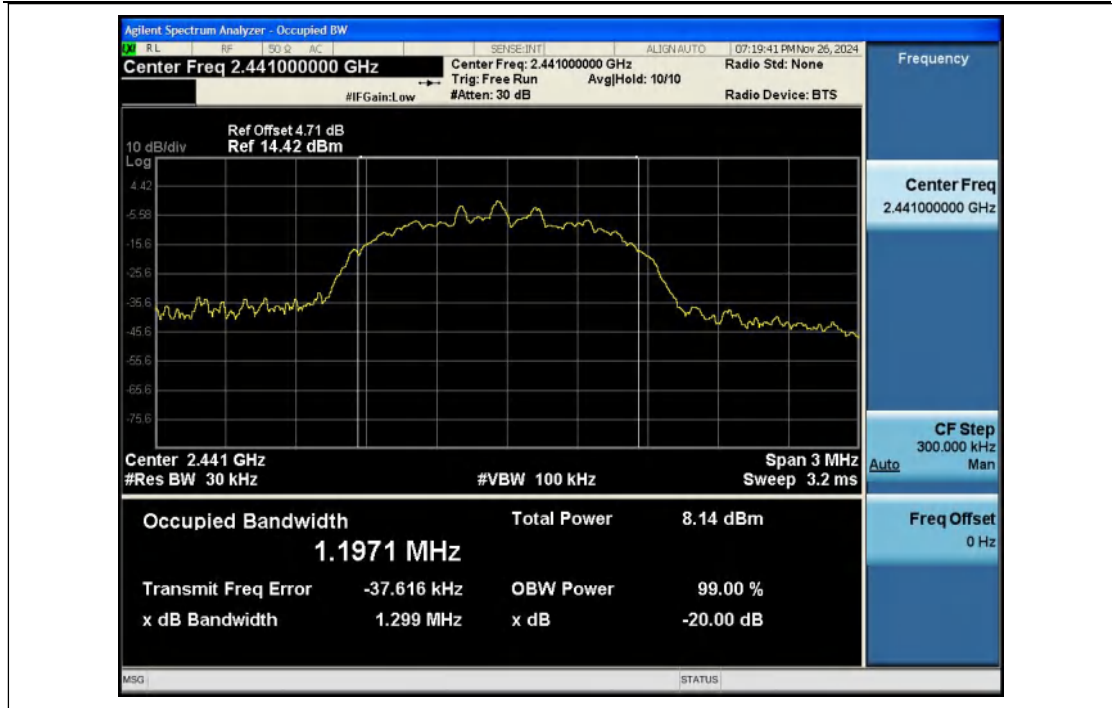


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00

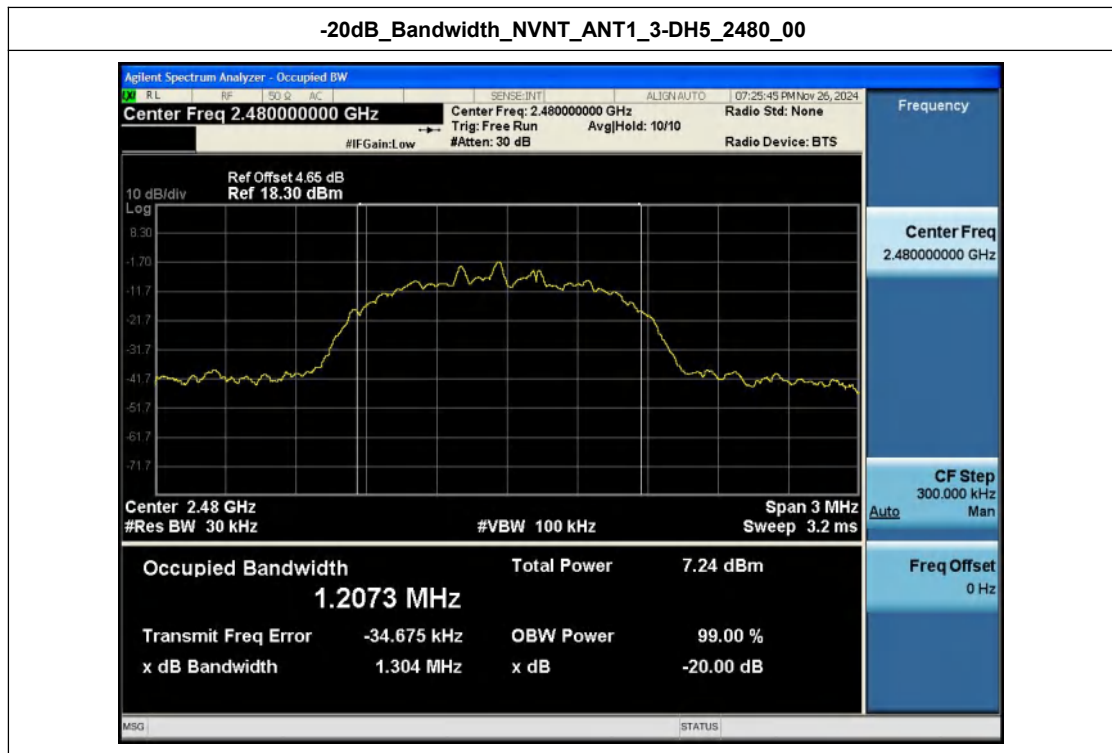


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00





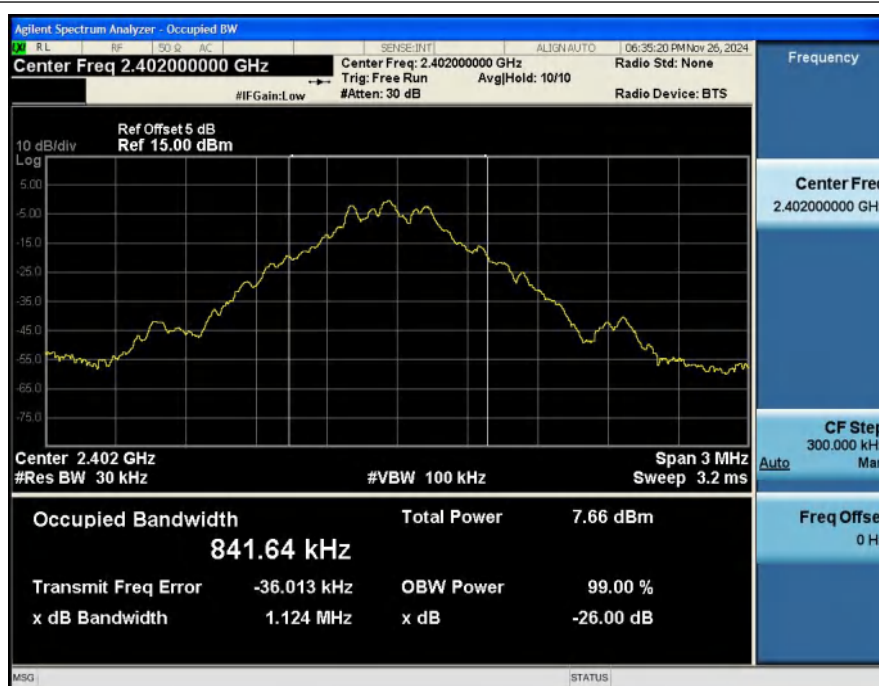
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix C: 99% Occupied Bandwidth

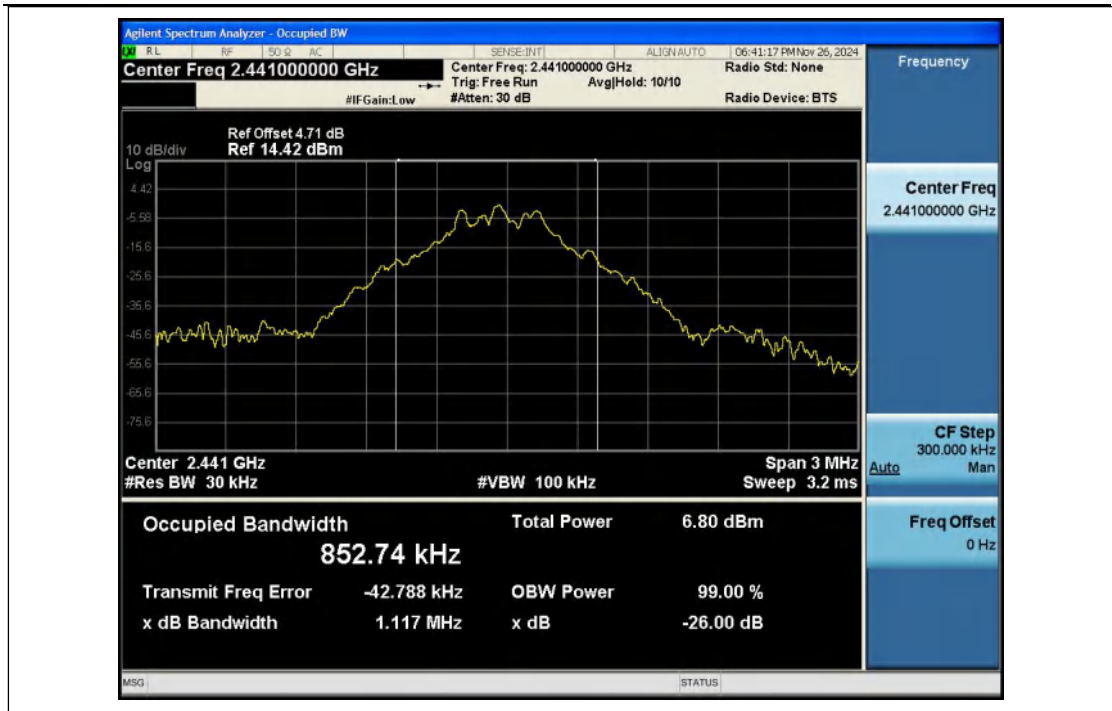
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH5	2402.00	0.842
NVNT	ANT1	1-DH5	2441.00	0.853
NVNT	ANT1	1-DH5	2480.00	0.896
NVNT	ANT1	2-DH5	2402.00	1.180
NVNT	ANT1	2-DH5	2441.00	1.195
NVNT	ANT1	2-DH5	2480.00	1.200
NVNT	ANT1	3-DH5	2402.00	1.177
NVNT	ANT1	3-DH5	2441.00	1.202
NVNT	ANT1	3-DH5	2480.00	1.205

99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00

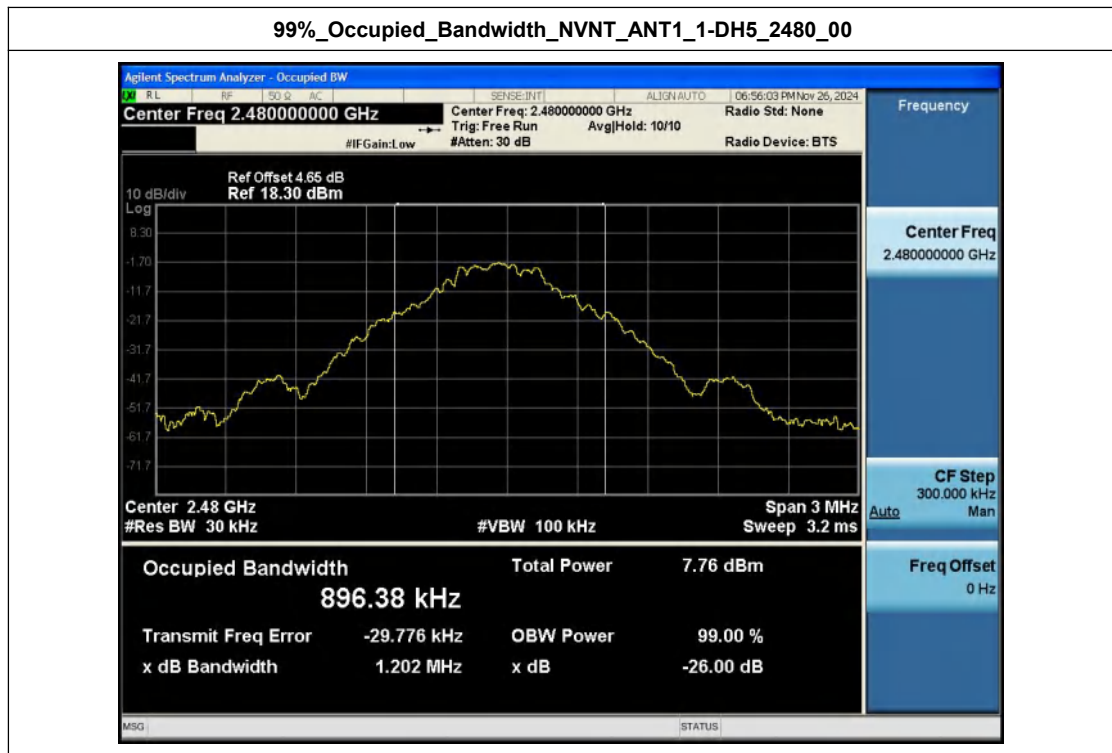


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



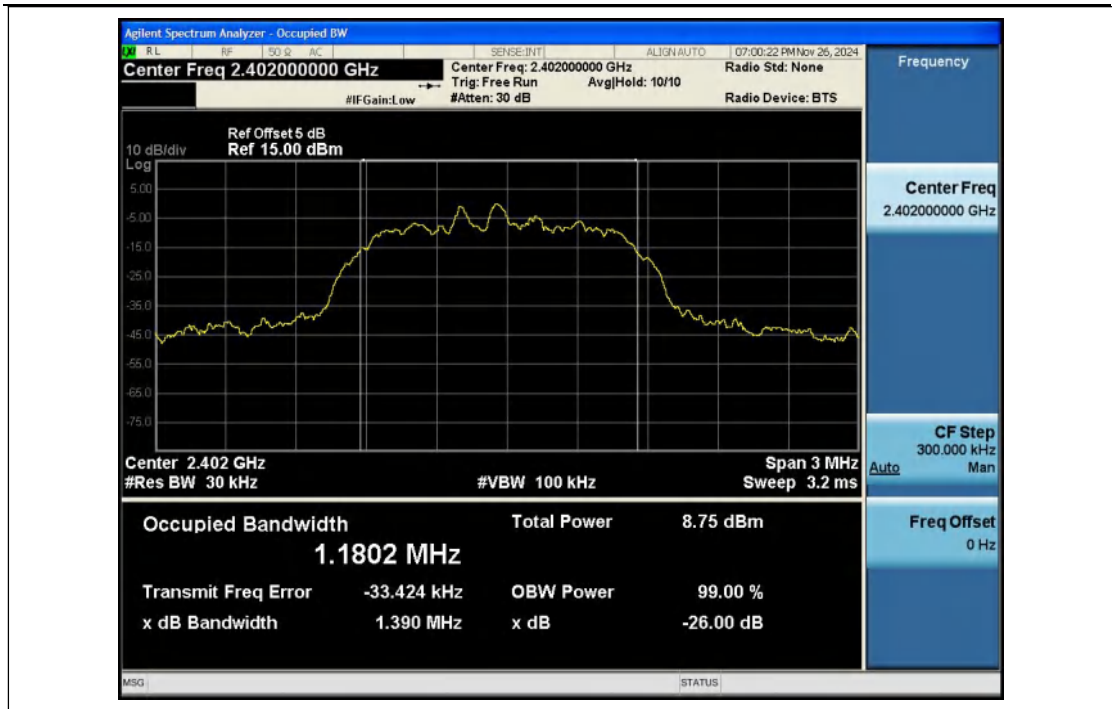


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00

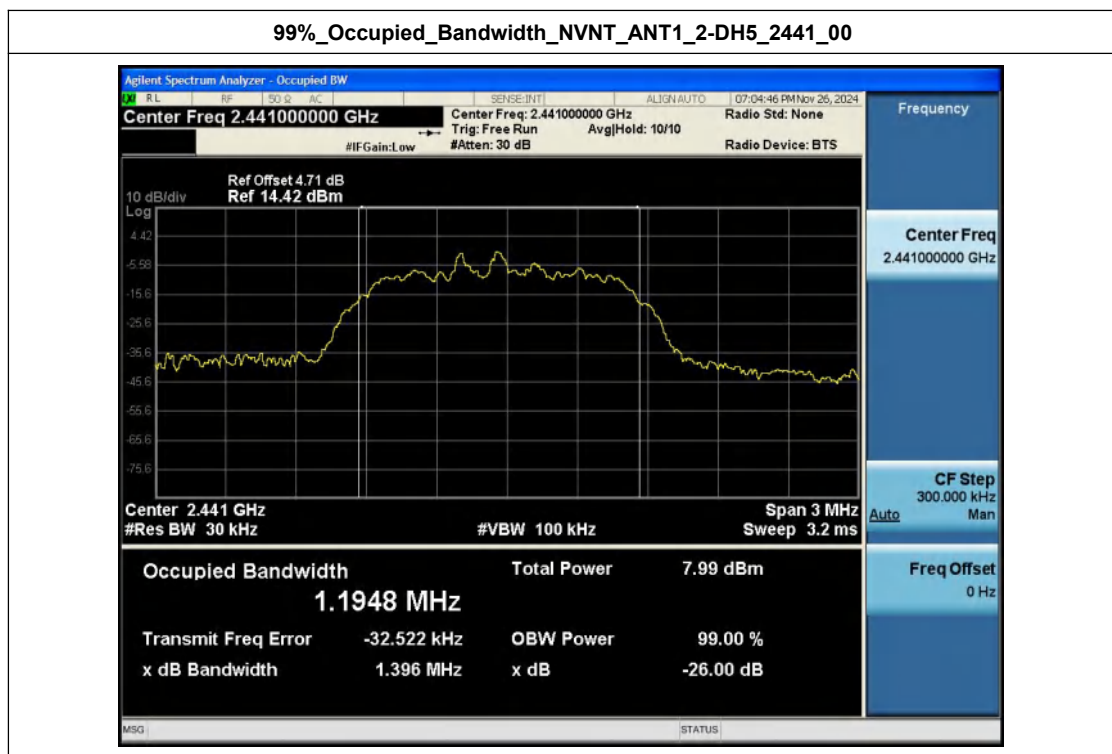


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



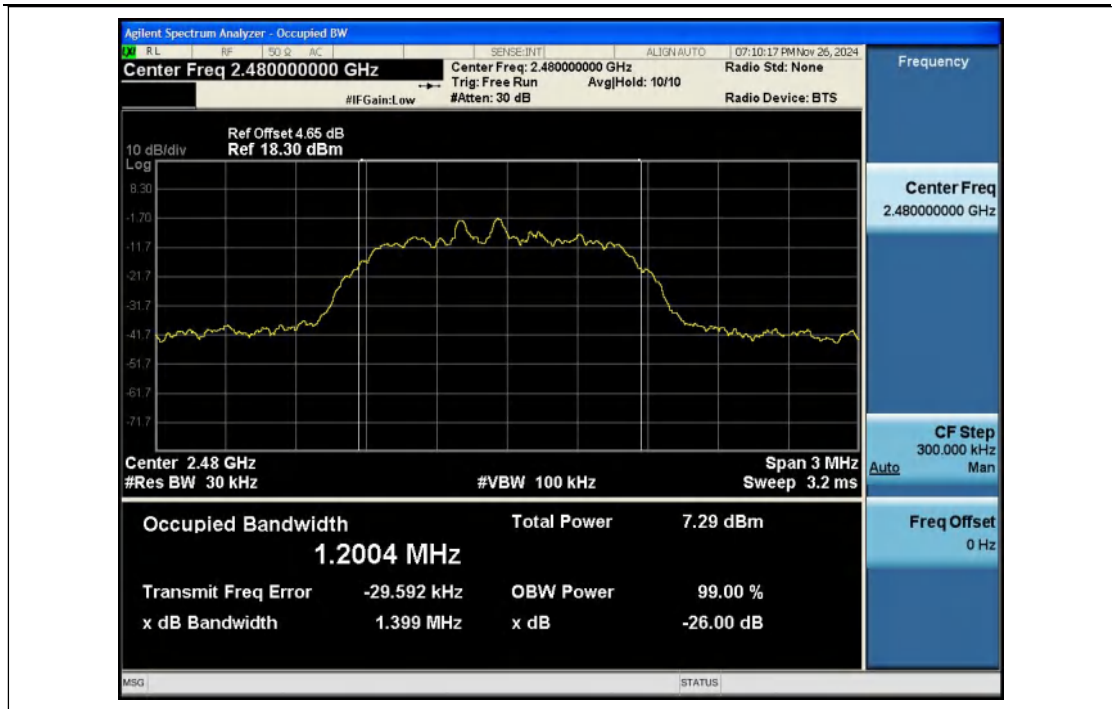


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00

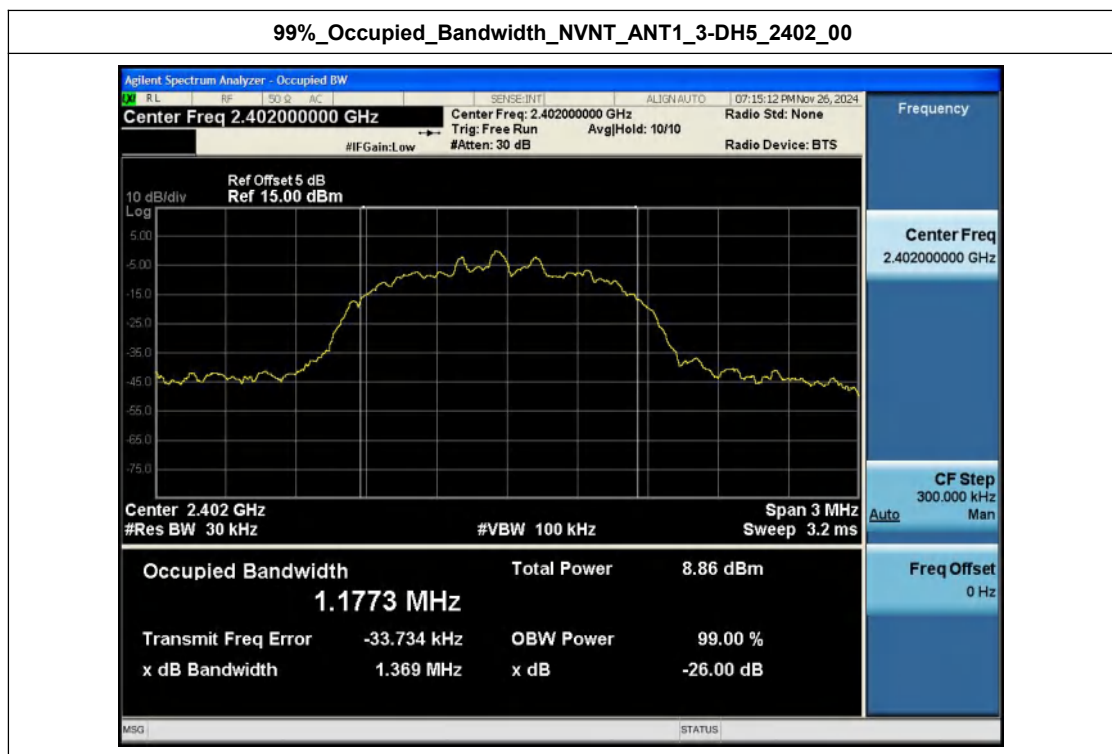


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



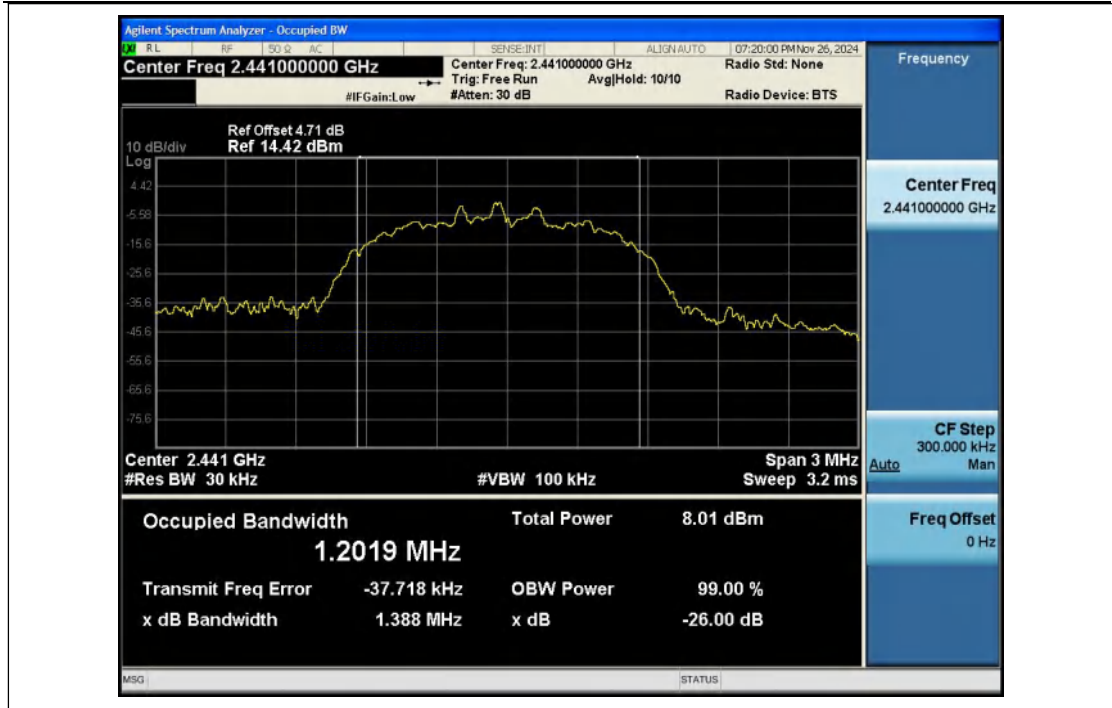


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00

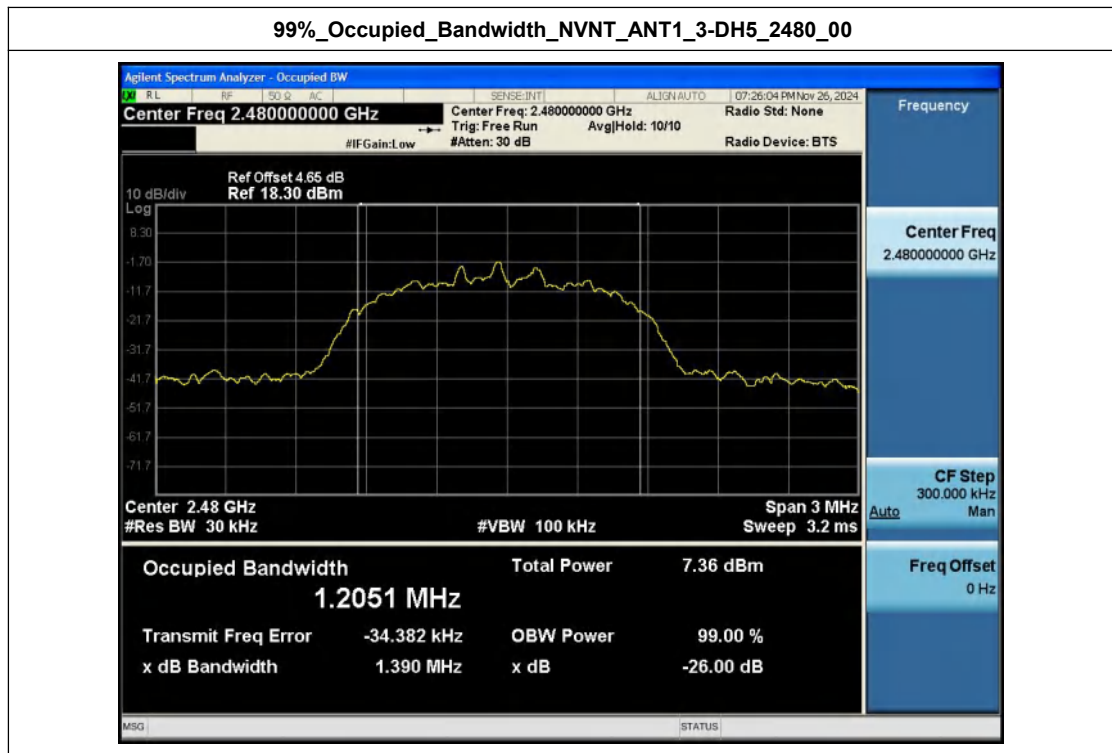


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00





99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix D: Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	1.45	1.40	125	Pass
NVNT	ANT1	1-DH5	2441.00	0.93	1.24	125	Pass
NVNT	ANT1	1-DH5	2480.00	0.35	1.08	125	Pass
NVNT	ANT1	2-DH5	2402.00	2.27	1.69	125	Pass
NVNT	ANT1	2-DH5	2441.00	1.99	1.58	125	Pass
NVNT	ANT1	2-DH5	2480.00	1.00	1.26	125	Pass
NVNT	ANT1	3-DH5	2402.00	2.60	1.82	125	Pass
NVNT	ANT1	3-DH5	2441.00	2.35	1.72	125	Pass
NVNT	ANT1	3-DH5	2480.00	1.18	1.31	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00

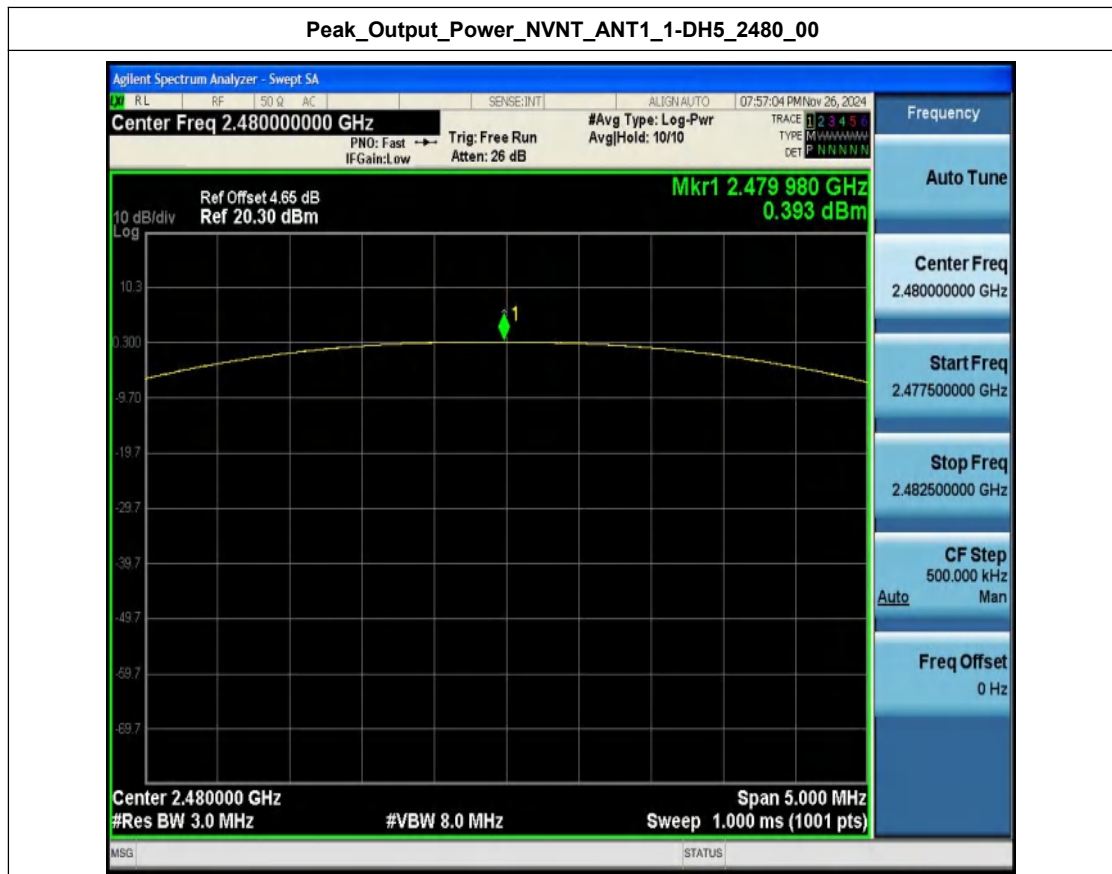


Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00

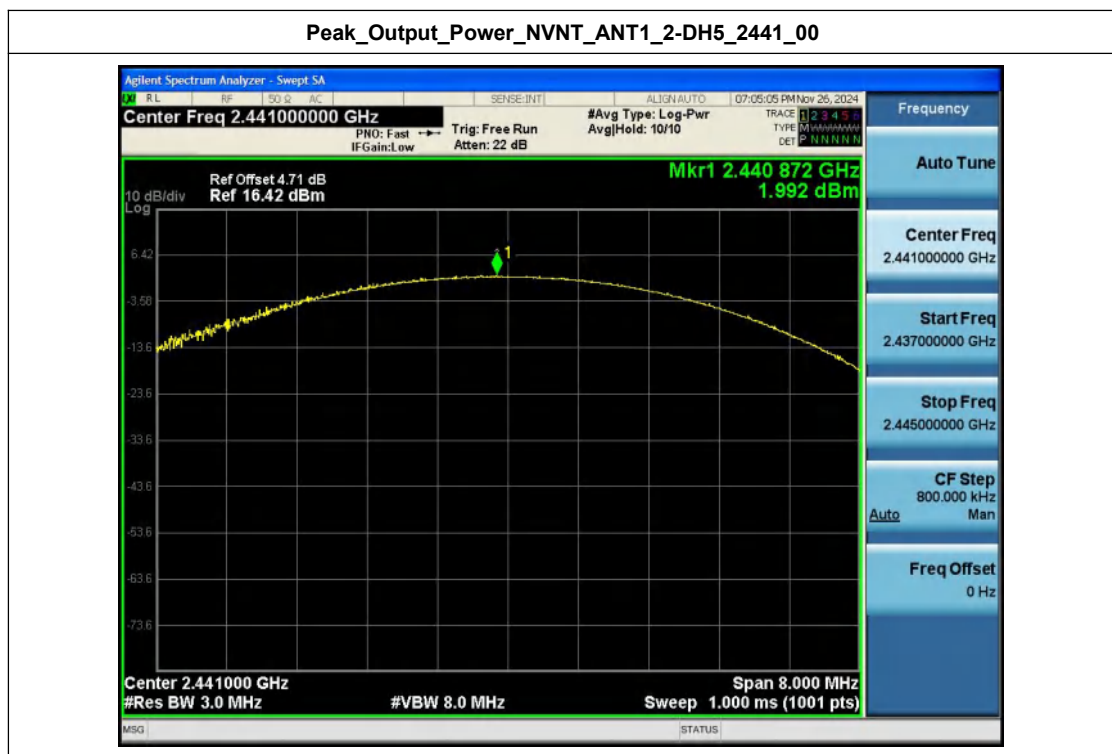


Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00





Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00

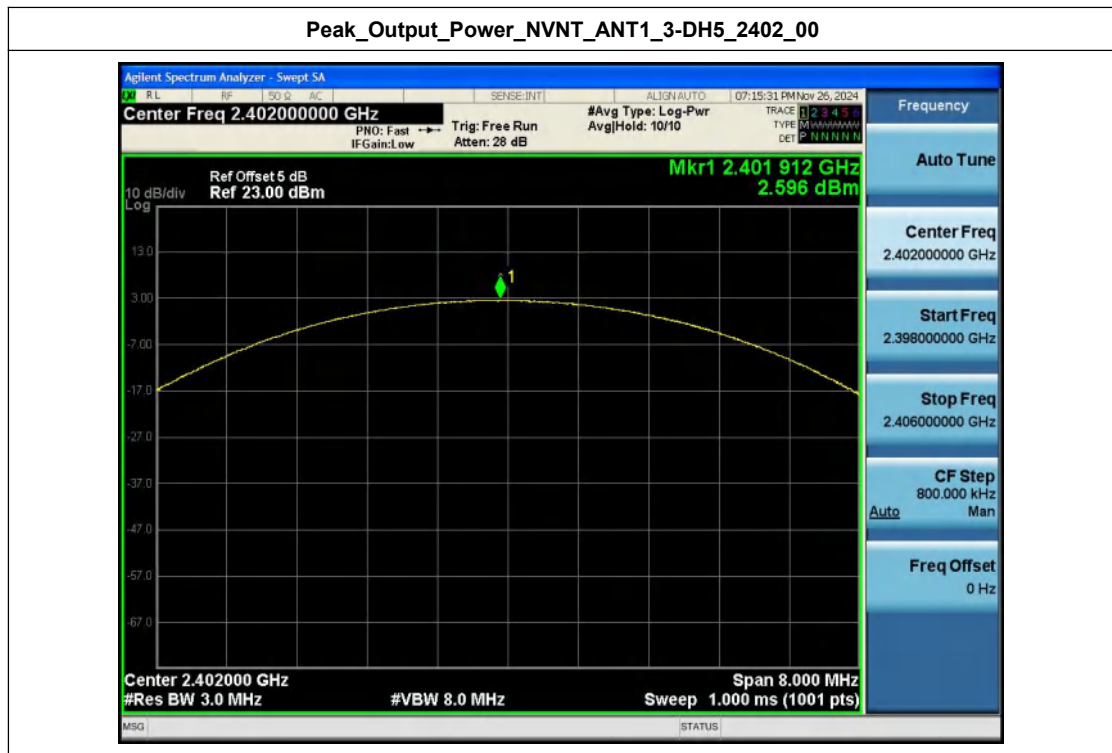


Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00

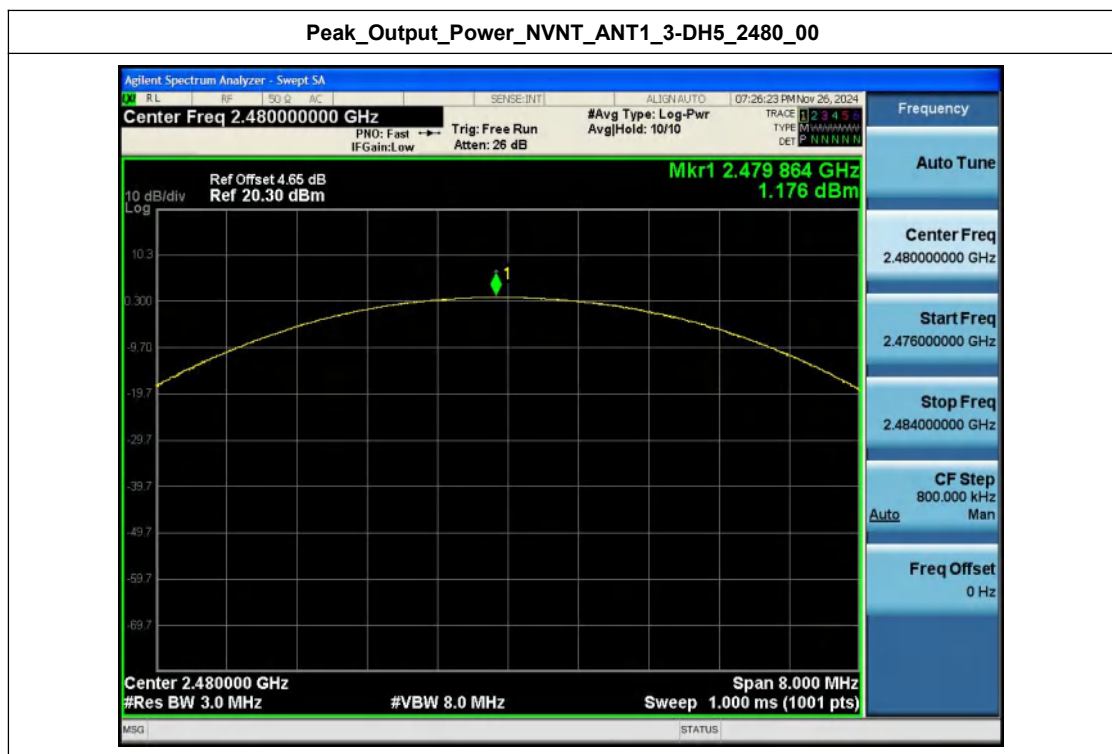


Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Spurious Emissions

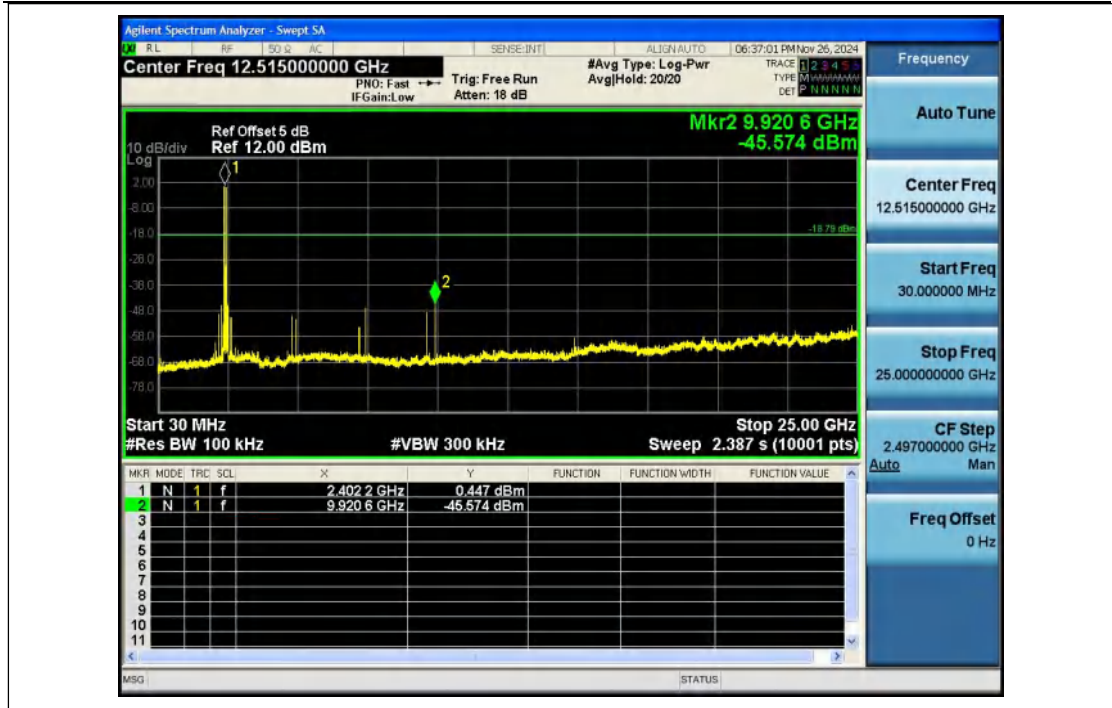
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-45.574	-18.786	Pass
NVNT	ANT1	1-DH5	2441.00	-45.457	-19.418	Pass
NVNT	ANT1	1-DH5	2480.00	-46.437	-19.819	Pass
NVNT	ANT1	2-DH5	2402.00	-48.130	-18.594	Pass
NVNT	ANT1	2-DH5	2441.00	-48.242	-19.215	Pass
NVNT	ANT1	2-DH5	2480.00	-46.684	-19.790	Pass
NVNT	ANT1	3-DH5	2402.00	-47.897	-18.720	Pass
NVNT	ANT1	3-DH5	2441.00	-48.360	-19.194	Pass
NVNT	ANT1	3-DH5	2480.00	-47.125	-19.829	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

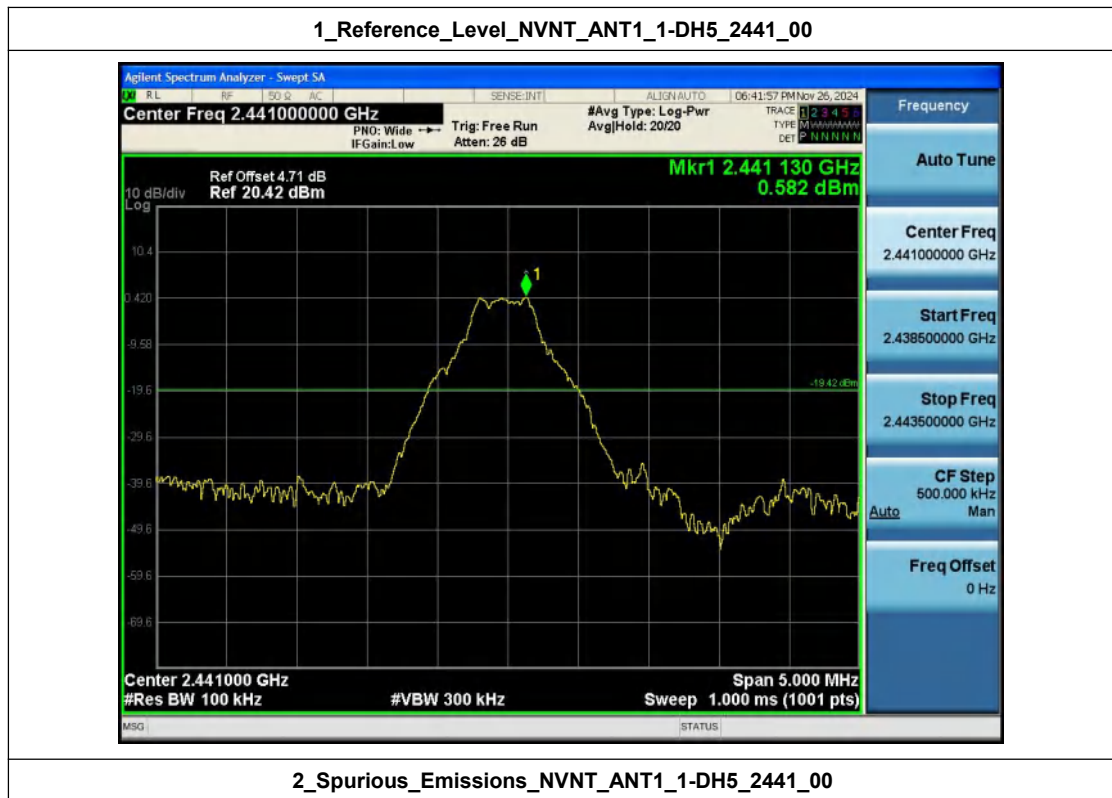


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



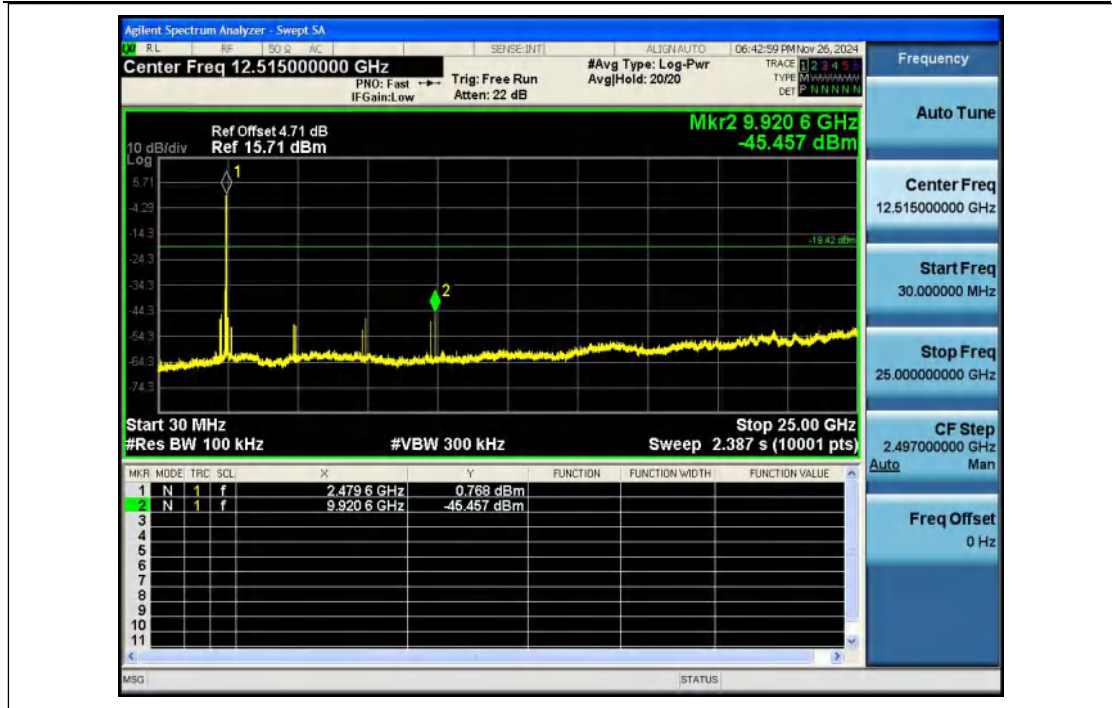


1_Reference_Level_NVNT_ANT1_1-DH5_2441_00

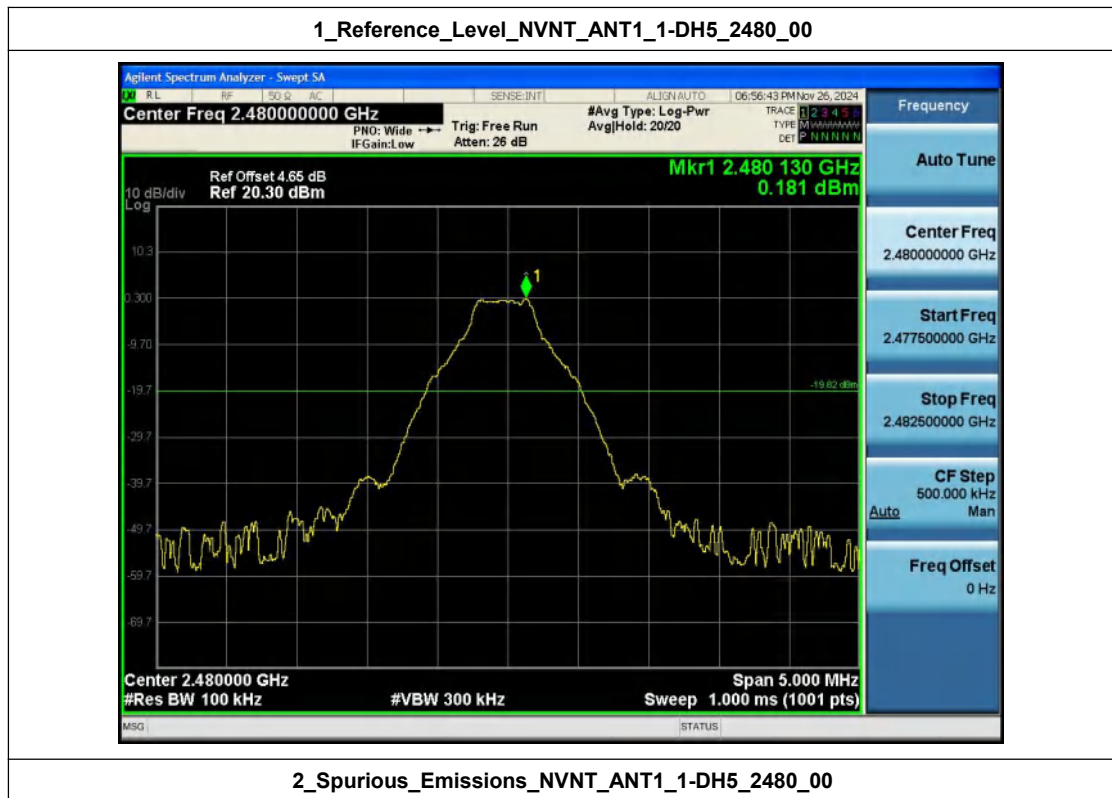


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00



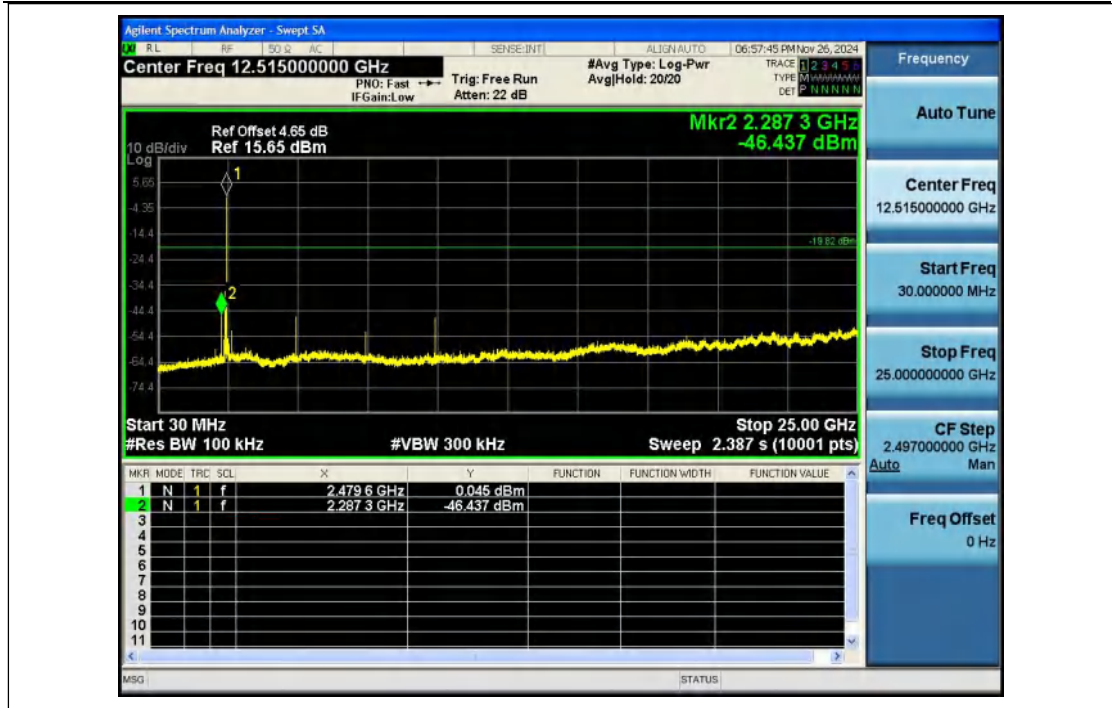


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

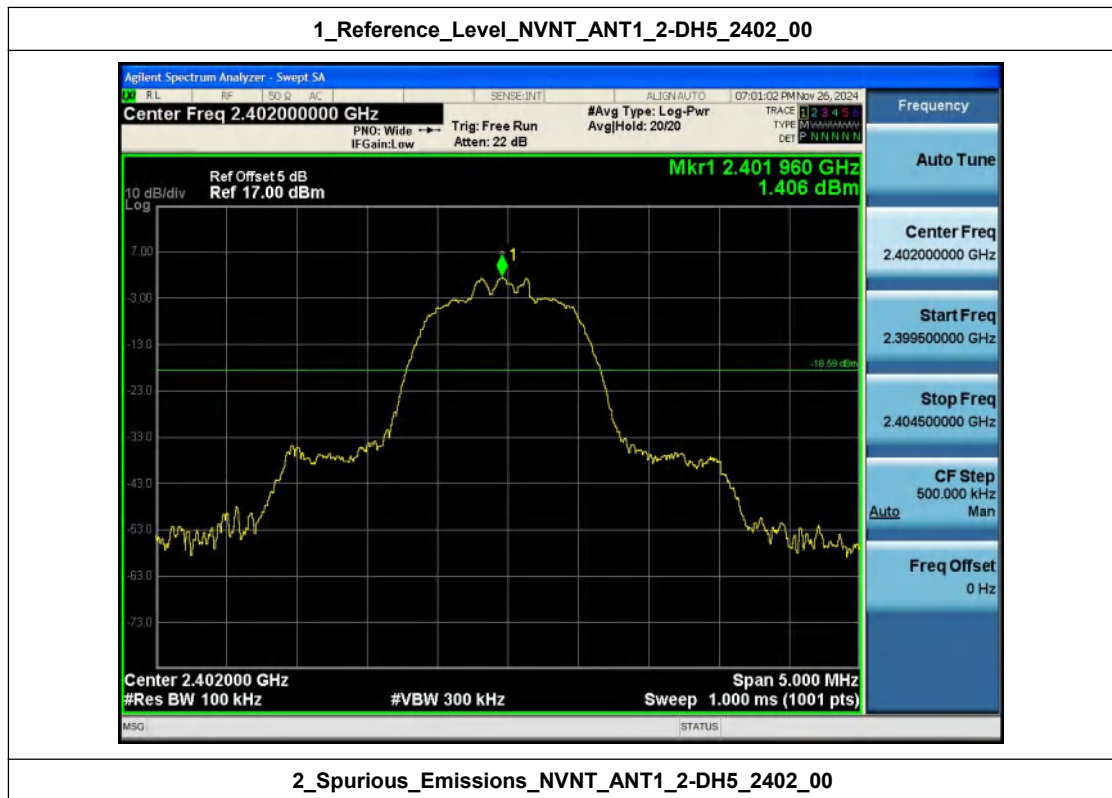


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



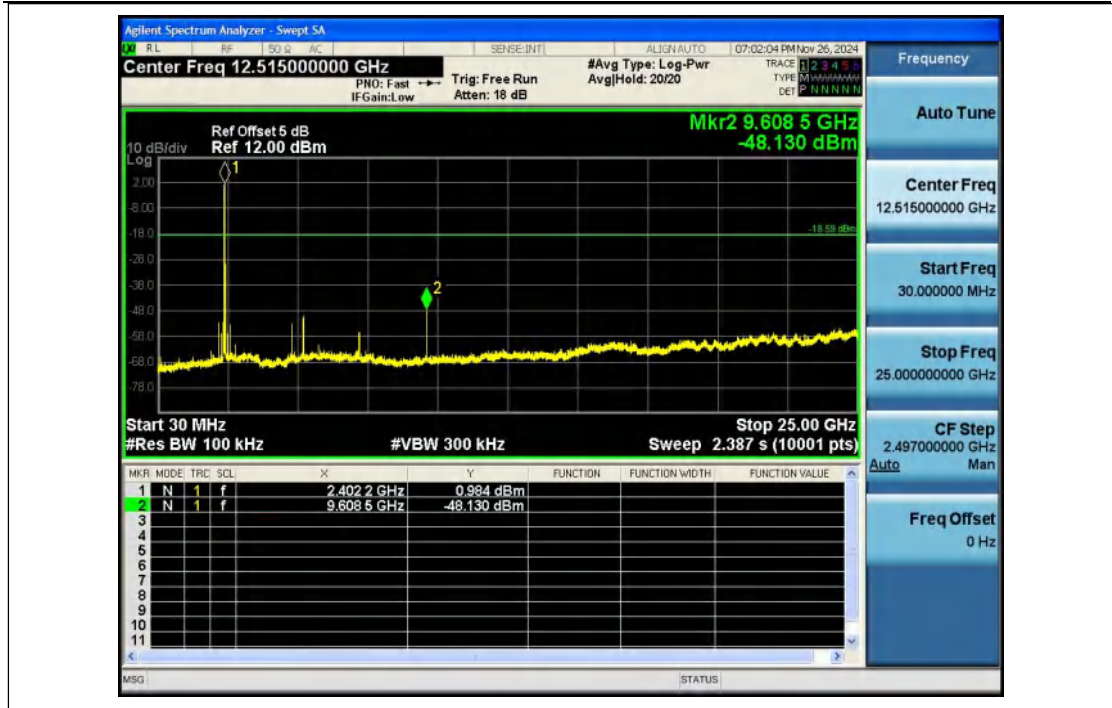


1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

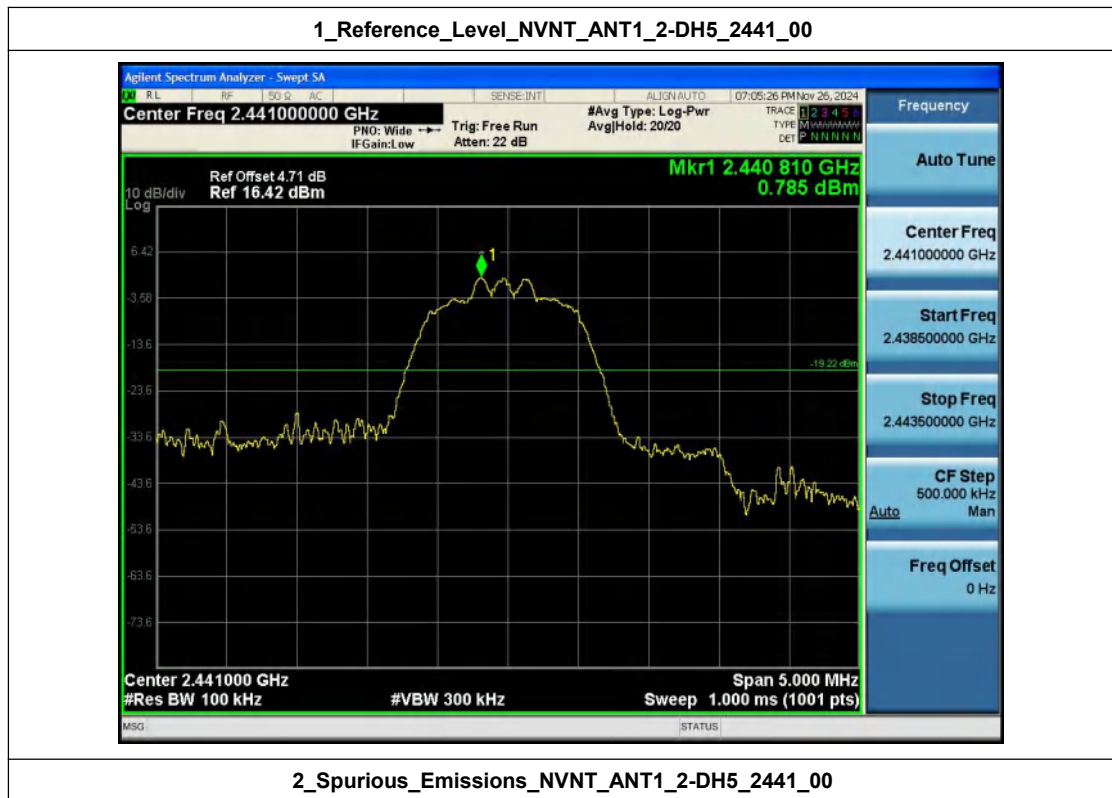


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



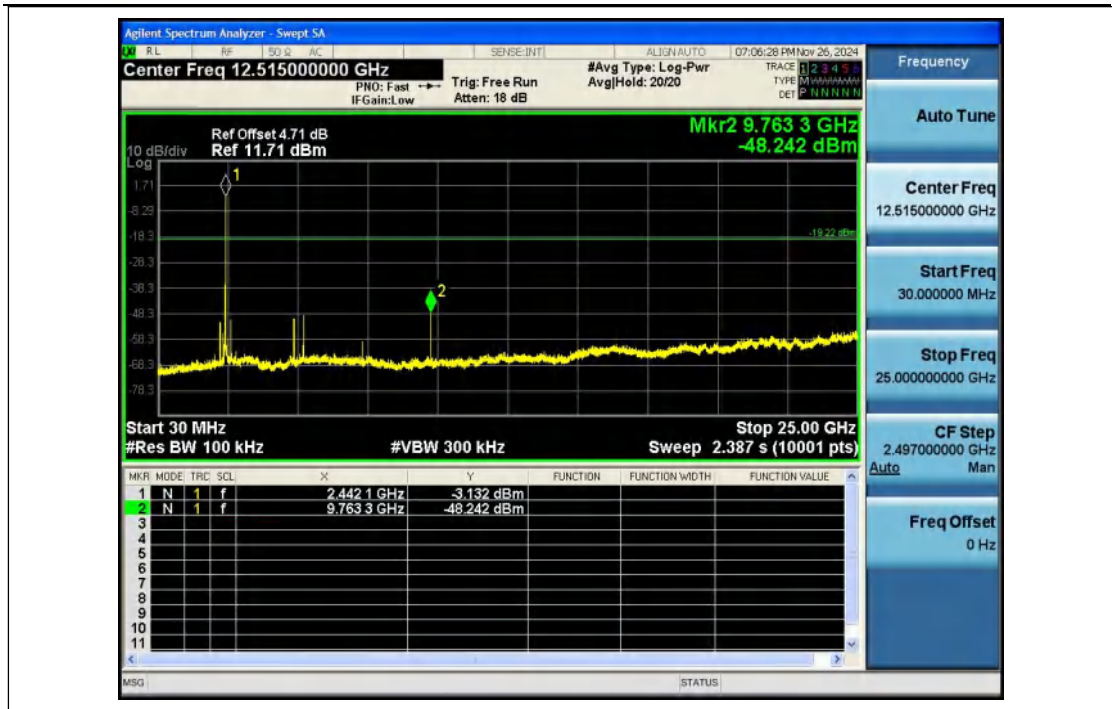


1_Reference_Level_NVNT_ANT1_2-DH5_2441_00

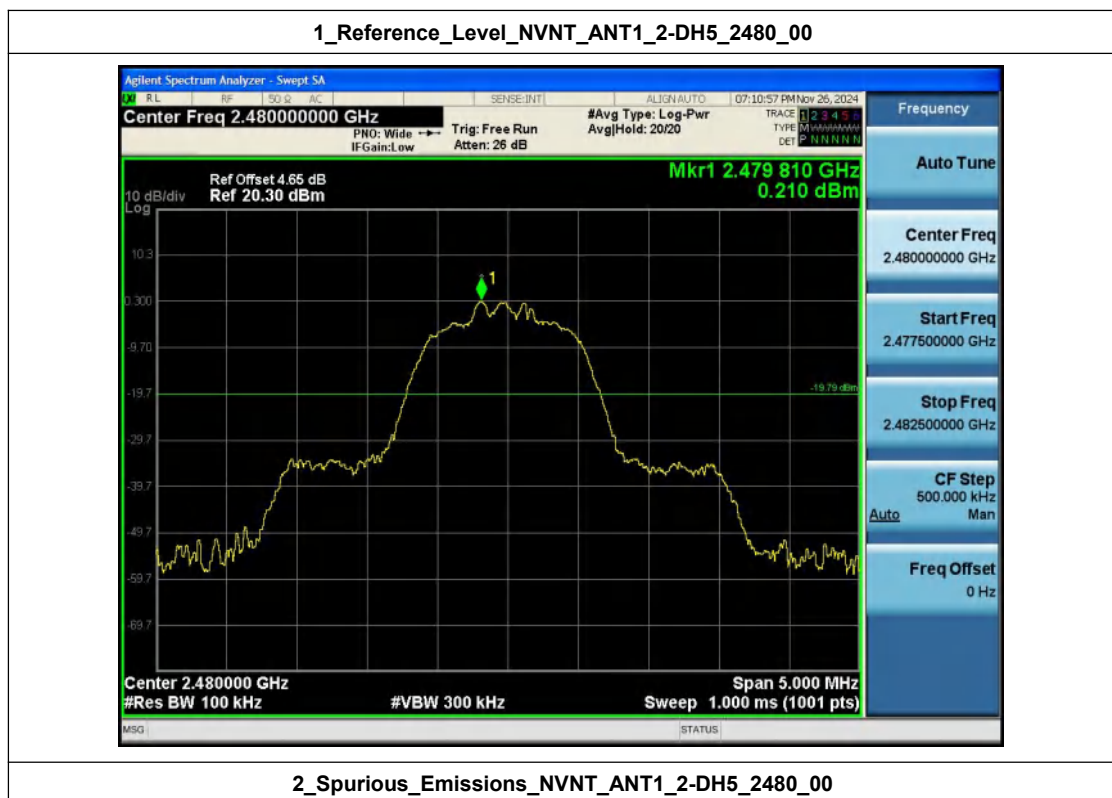


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00





1_Reference_Level_NVNT_ANT1_2-DH5_2480_00

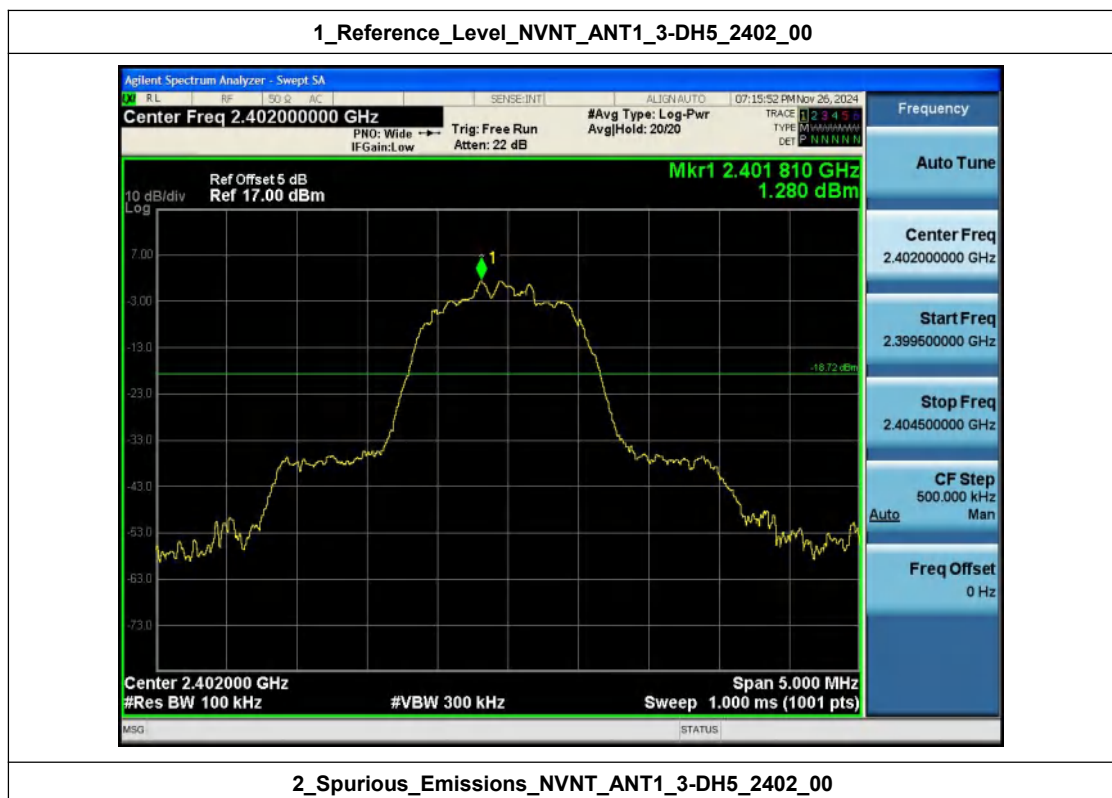


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



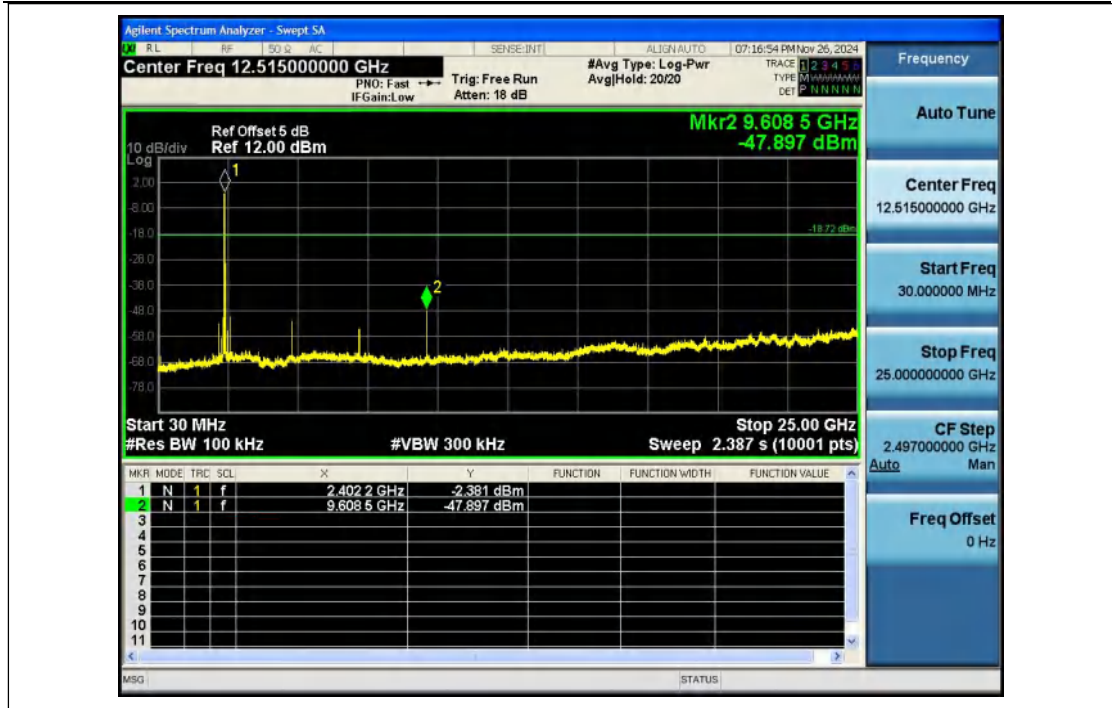


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

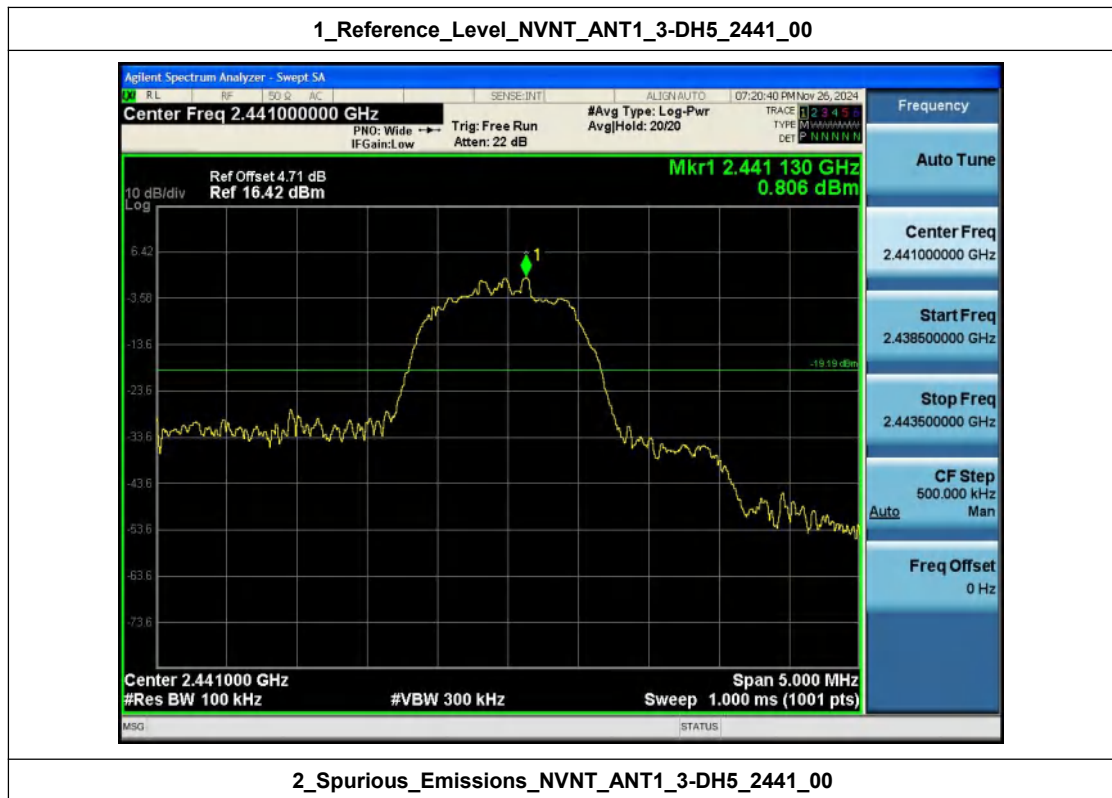


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00



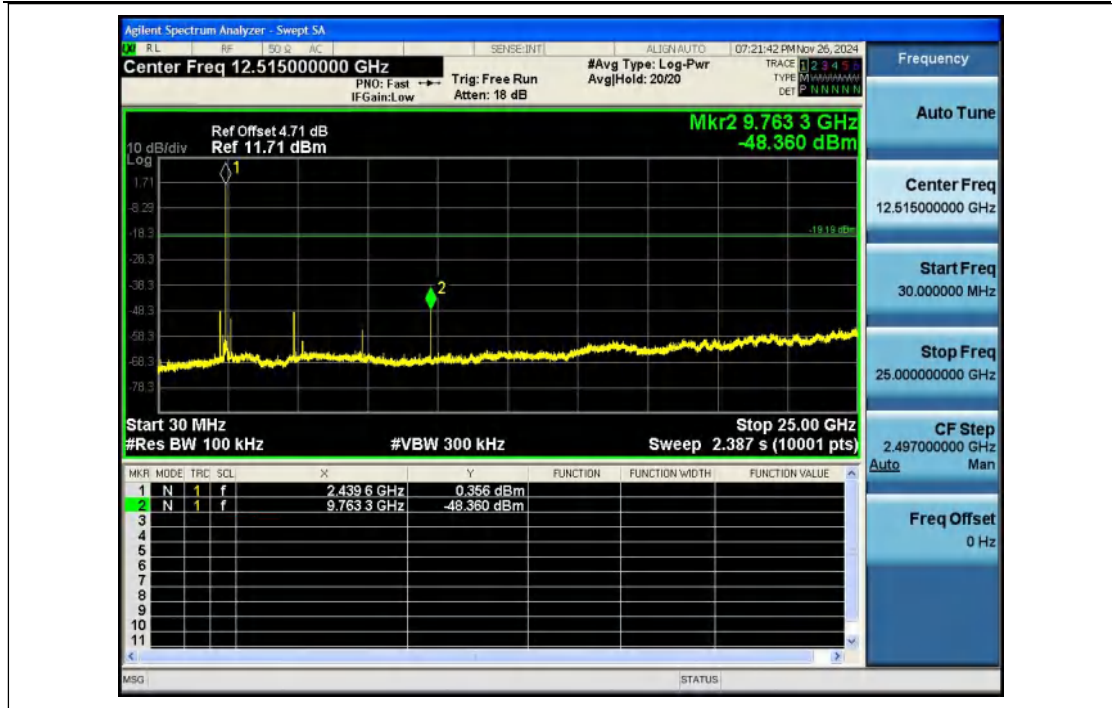


1_Reference_Level_NVNT_ANT1_3-DH5_2441_00

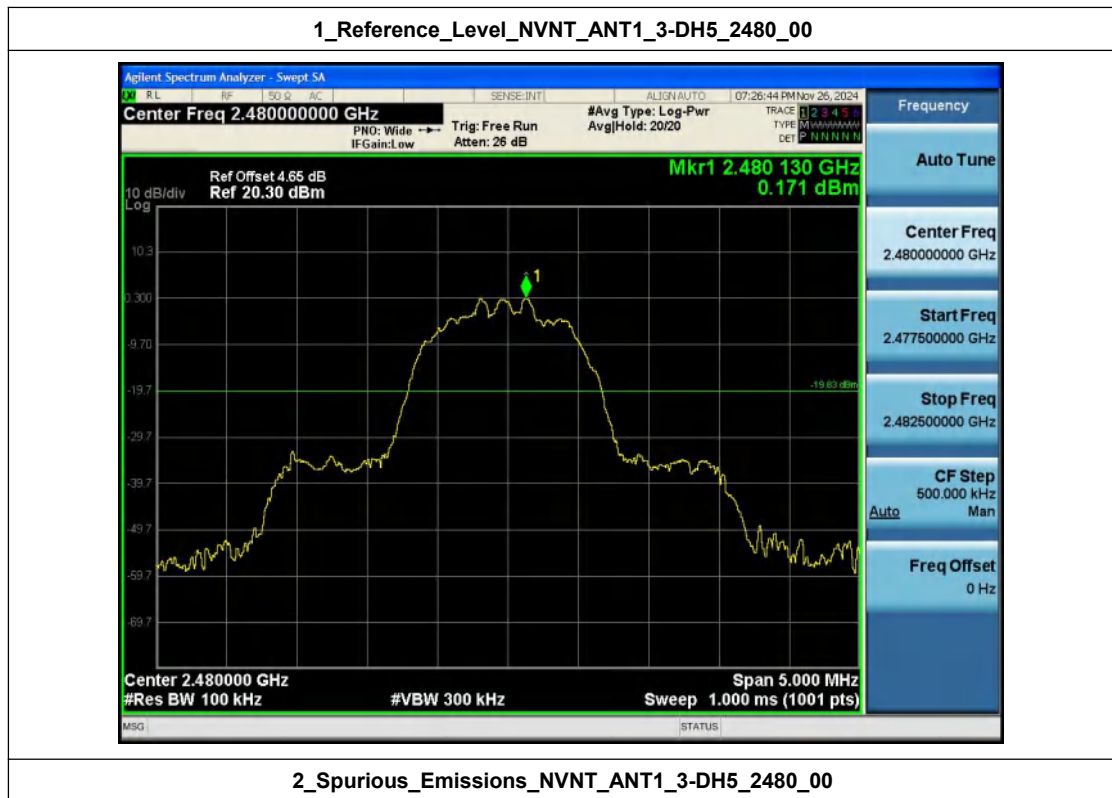


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



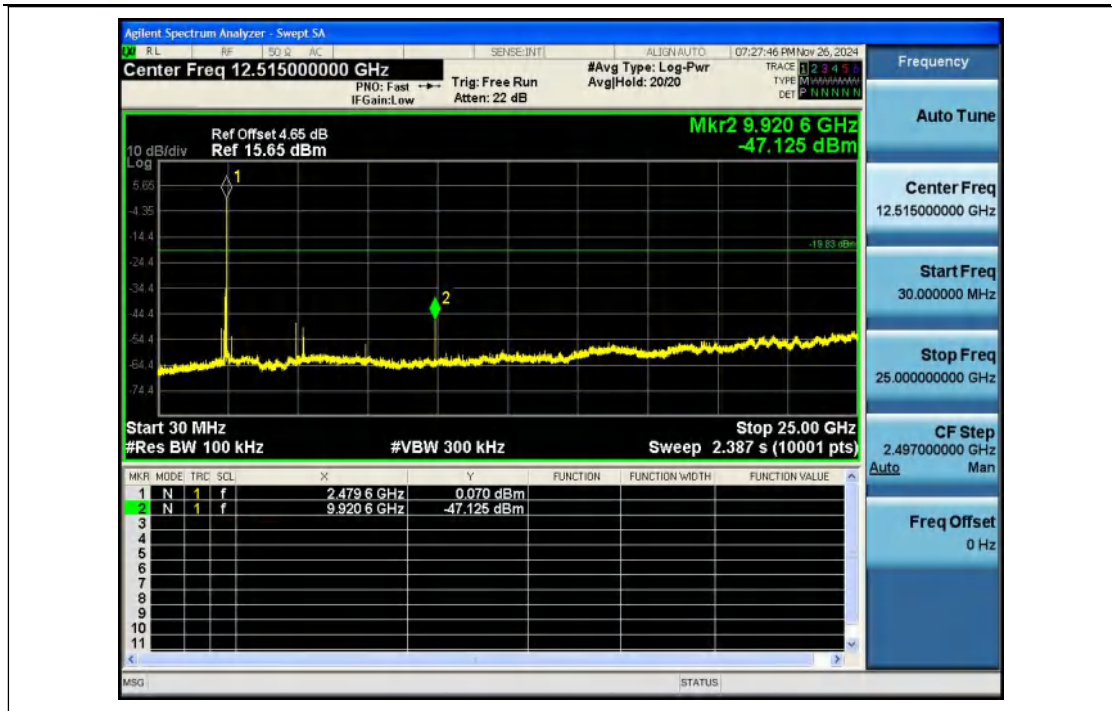


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00





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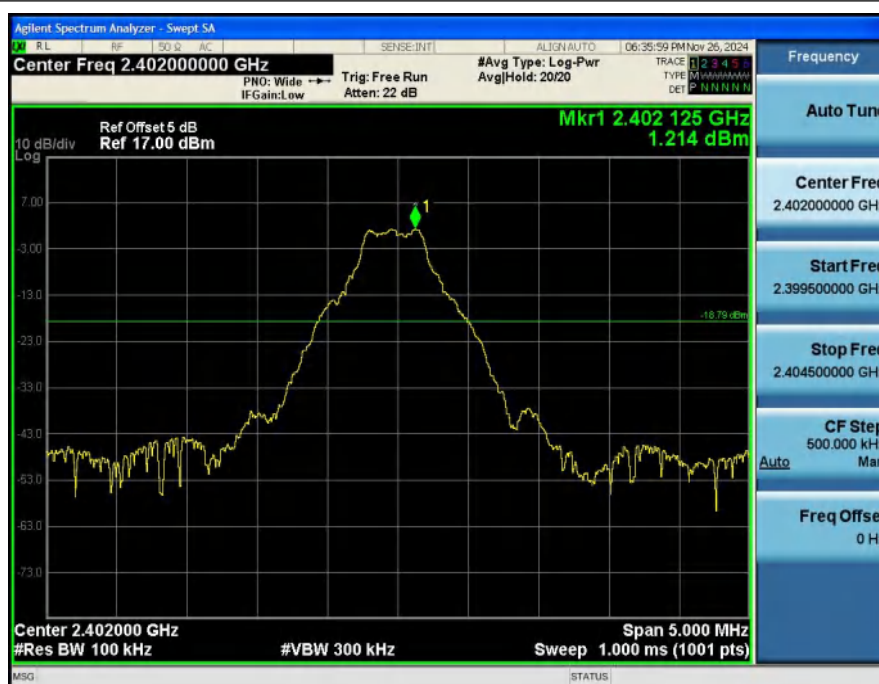
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Appendix F: Bandedge

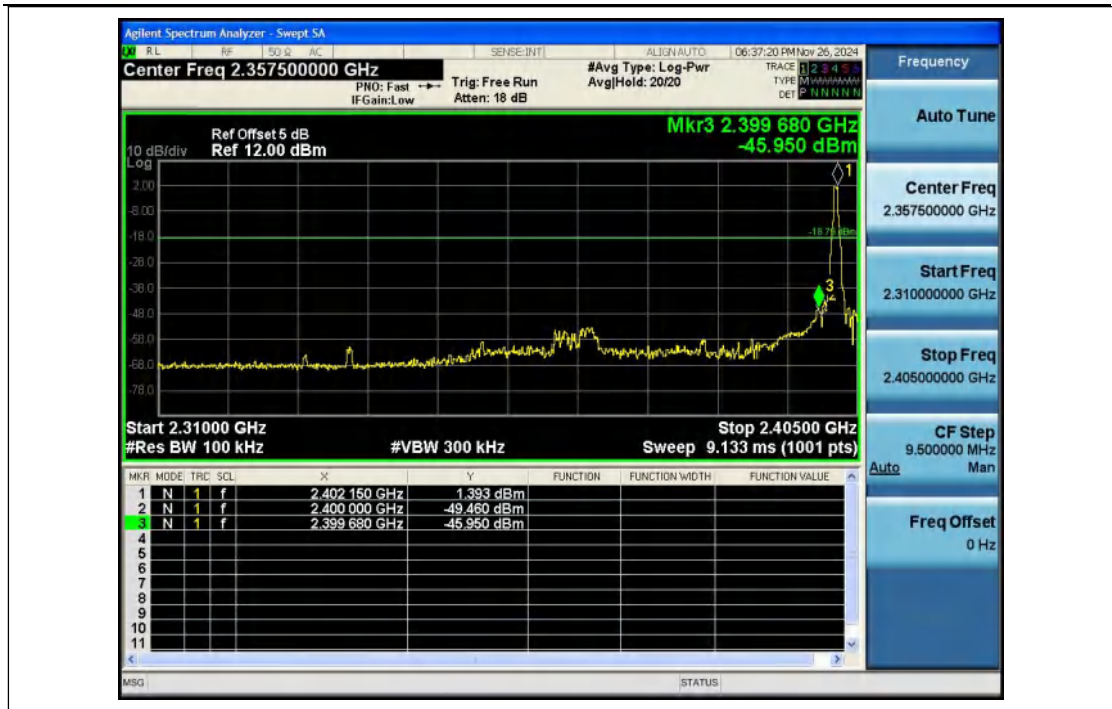
Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-45.950	-18.786	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-46.467	-17.617	Pass
NVNT	ANT1	1-DH5	2480.00	-58.284	-19.819	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-49.600	-19.258	Pass
NVNT	ANT1	2-DH5	2402.00	-51.935	-18.594	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-49.523	-18.547	Pass
NVNT	ANT1	2-DH5	2480.00	-58.576	-19.790	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-48.979	-18.899	Pass
NVNT	ANT1	3-DH5	2402.00	-51.057	-18.720	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-57.832	-18.581	Pass
NVNT	ANT1	3-DH5	2480.00	-59.627	-19.829	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-46.553	-19.068	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

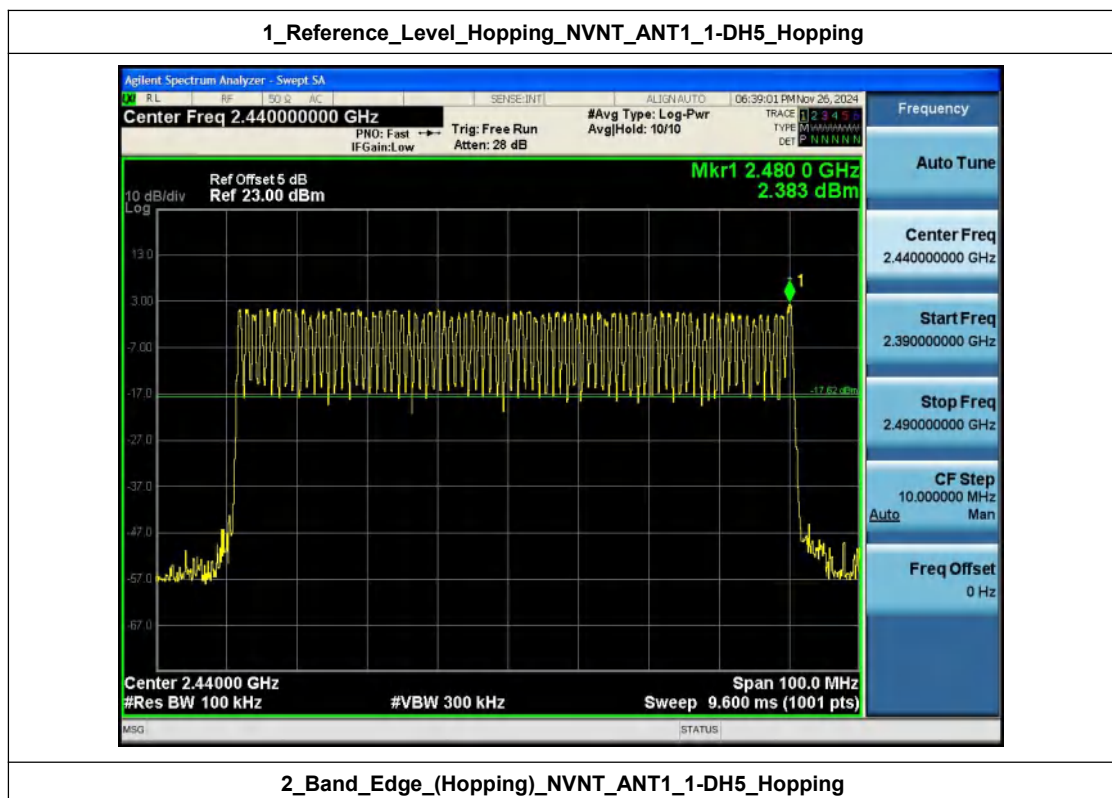


2_Bandedge_NVNT_ANT1_1-DH5_2402_00



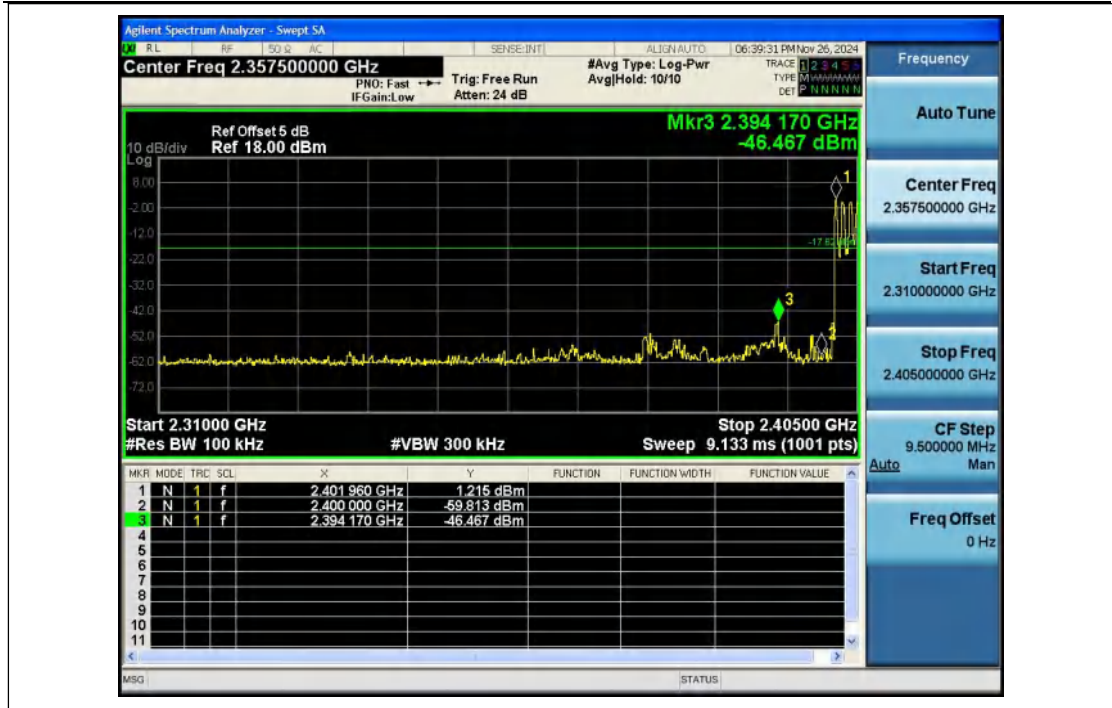


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

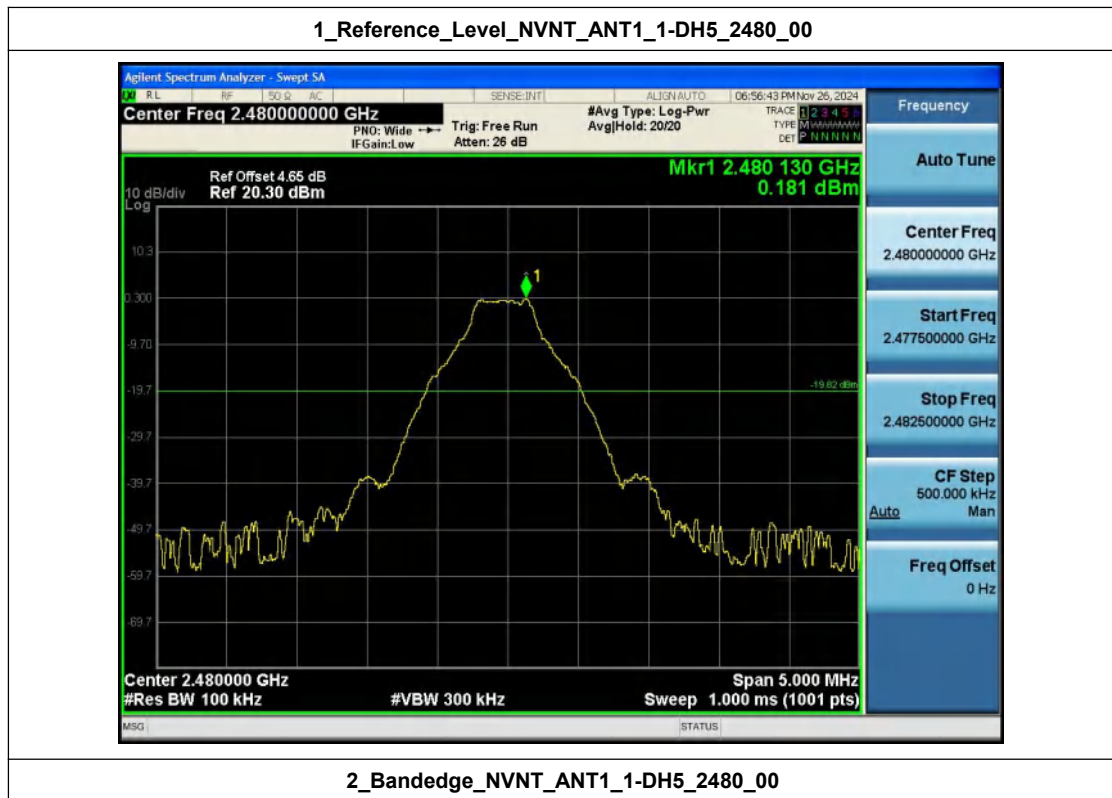


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping





1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

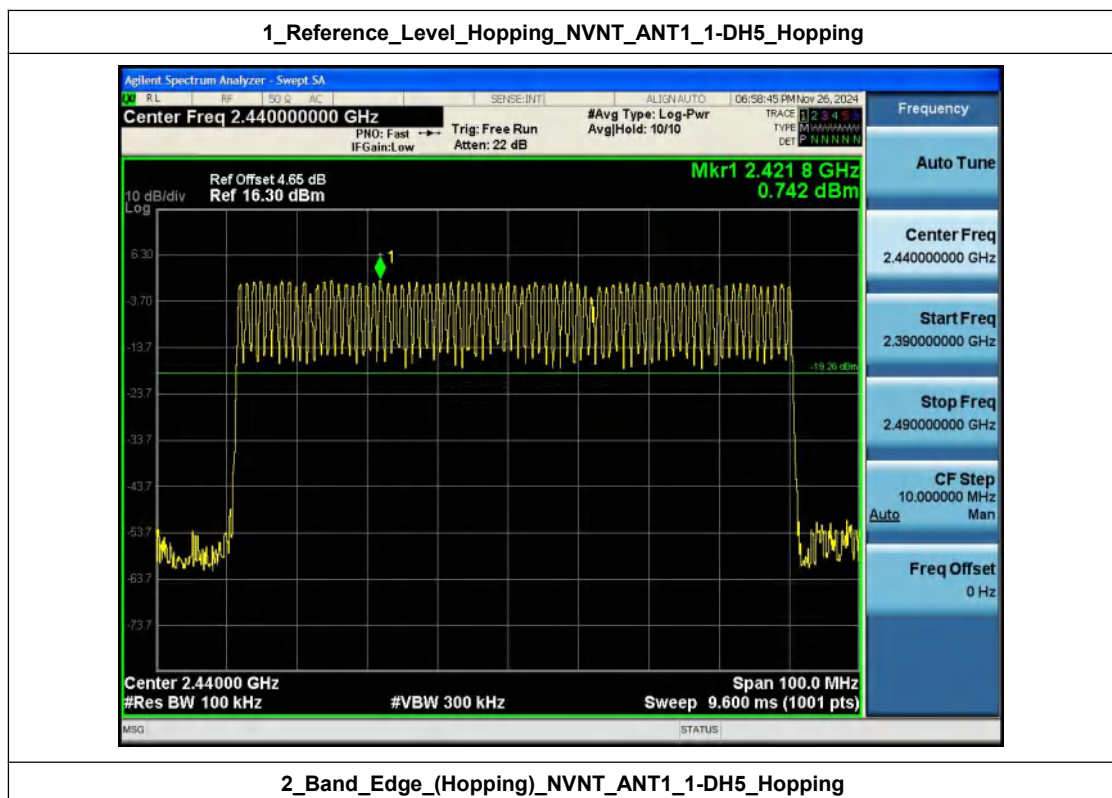


2_Bandedge_NVNT_ANT1_1-DH5_2480_00



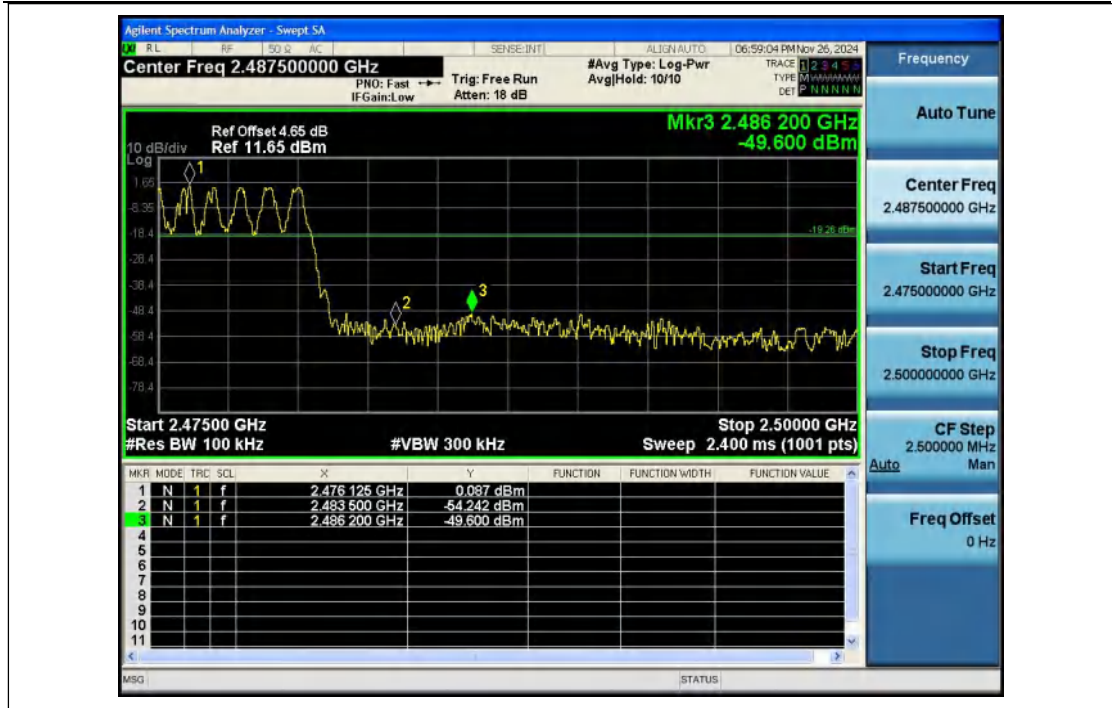


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

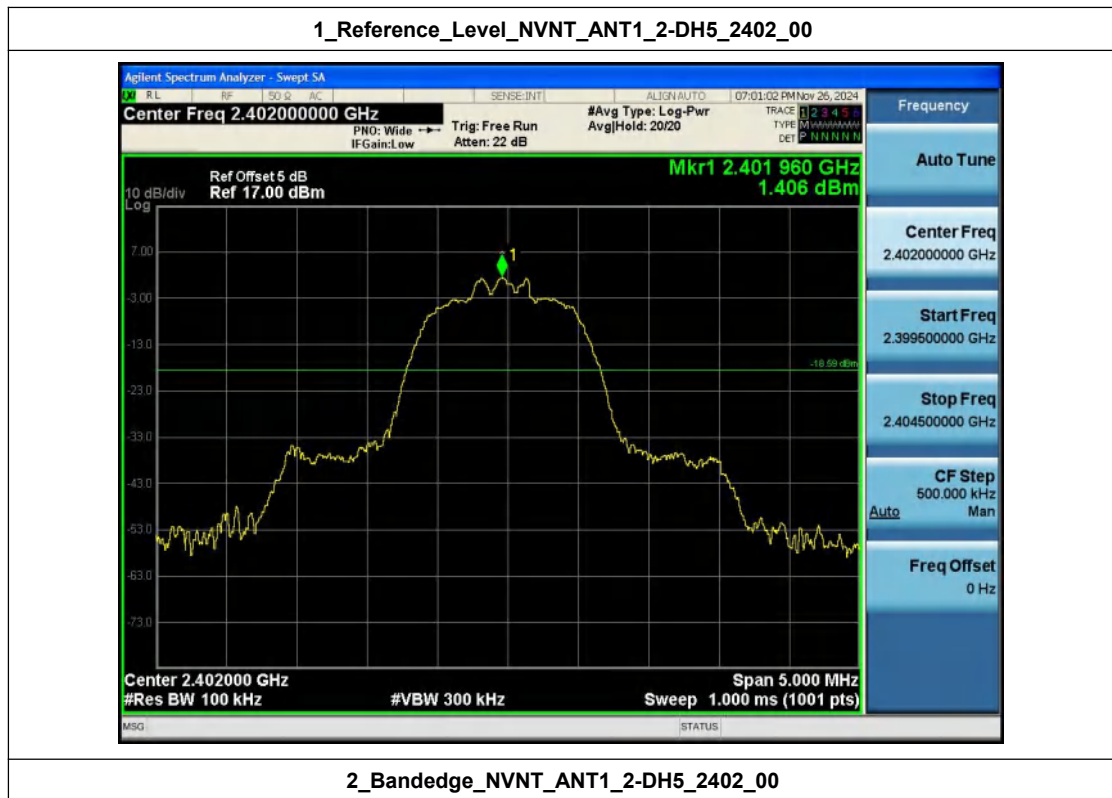


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping





1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

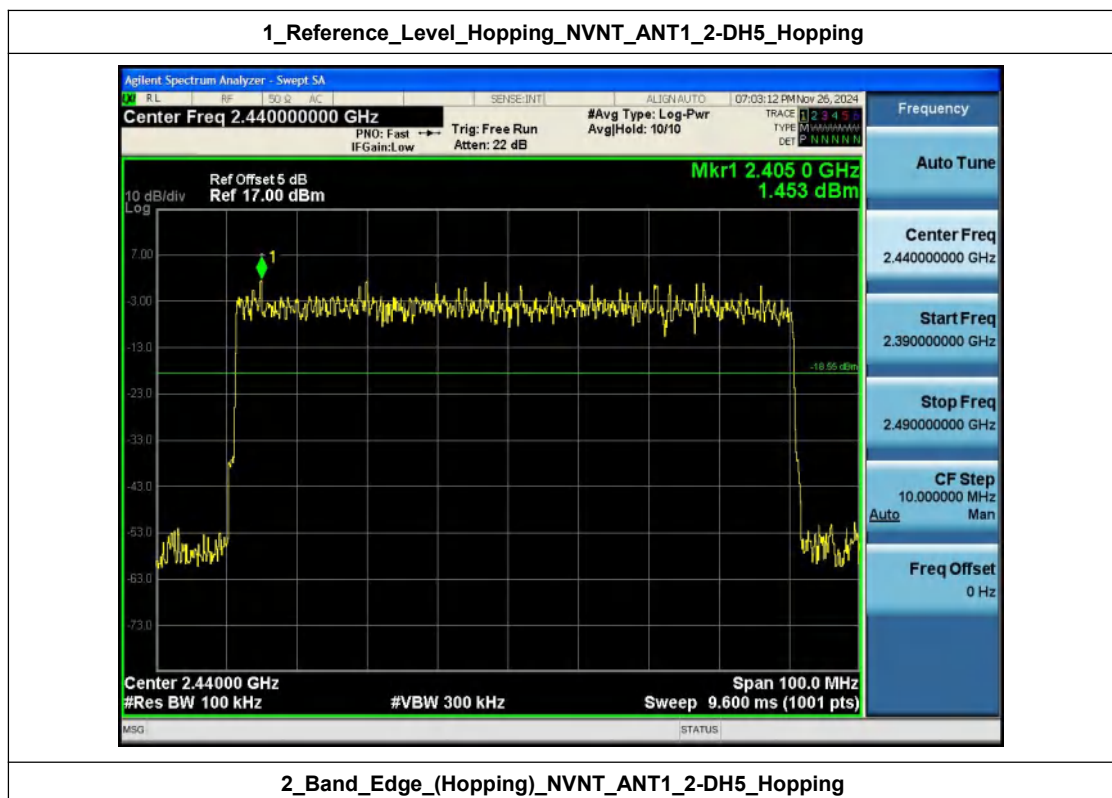


2_Bandedge_NVNT_ANT1_2-DH5_2402_00



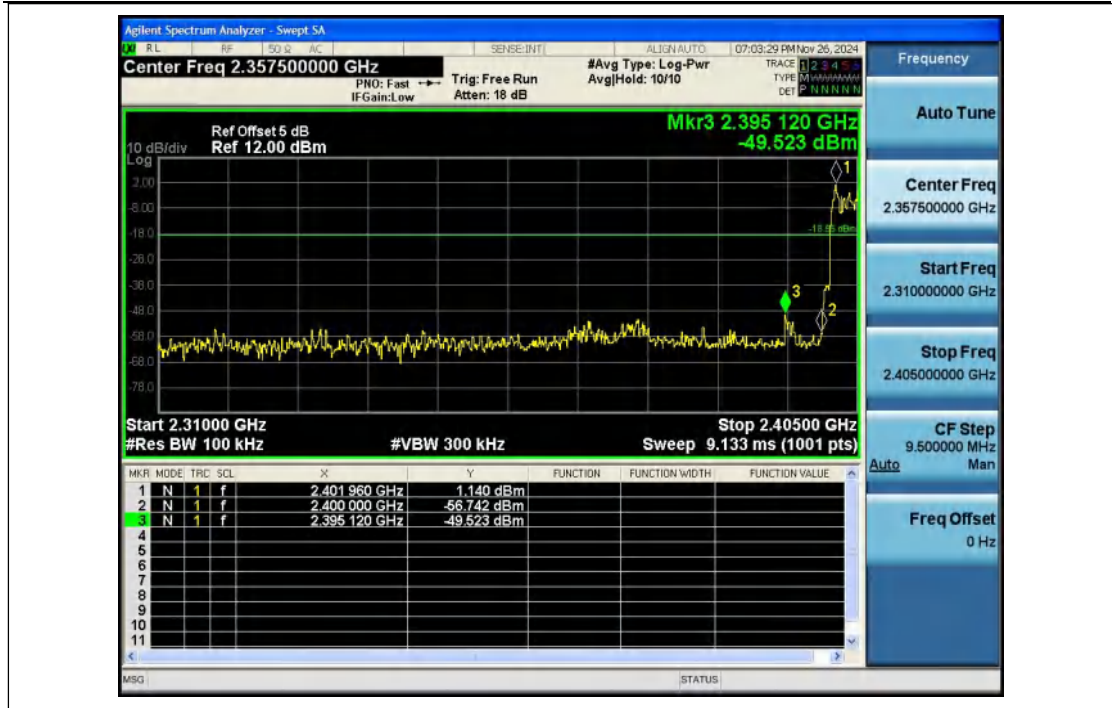


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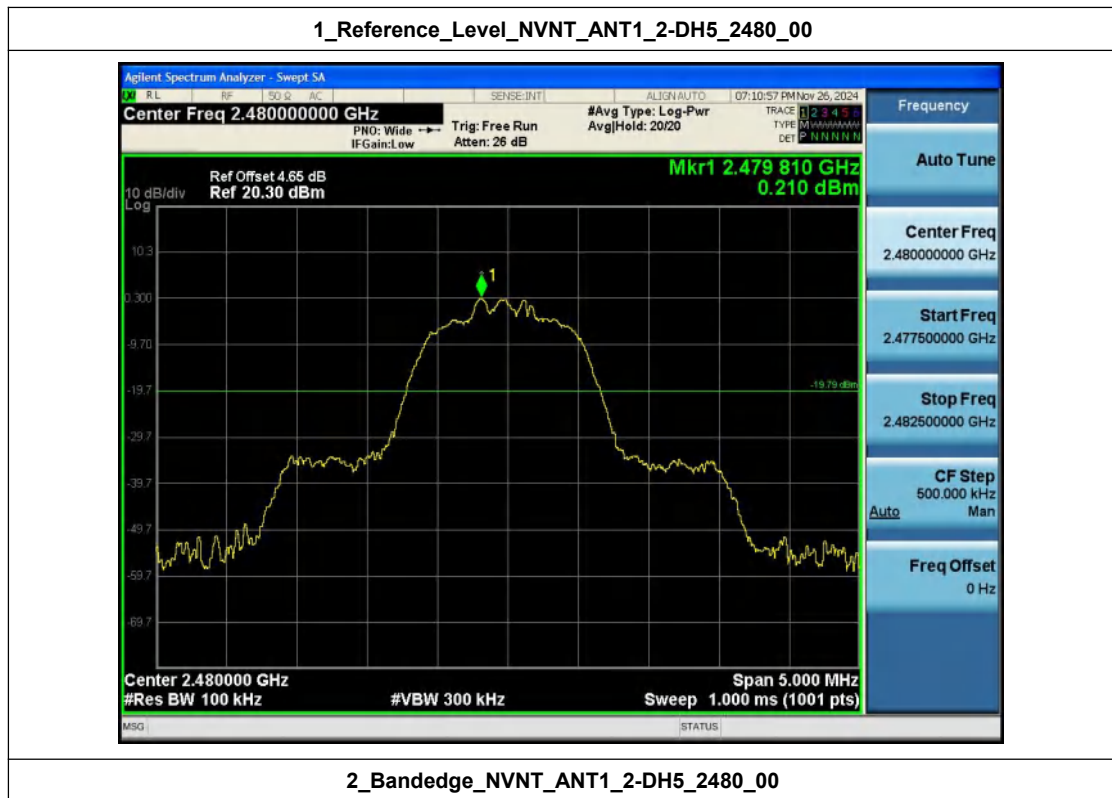


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping





1_Reference_Level_NVNT_ANT1_2-DH5_2480_00

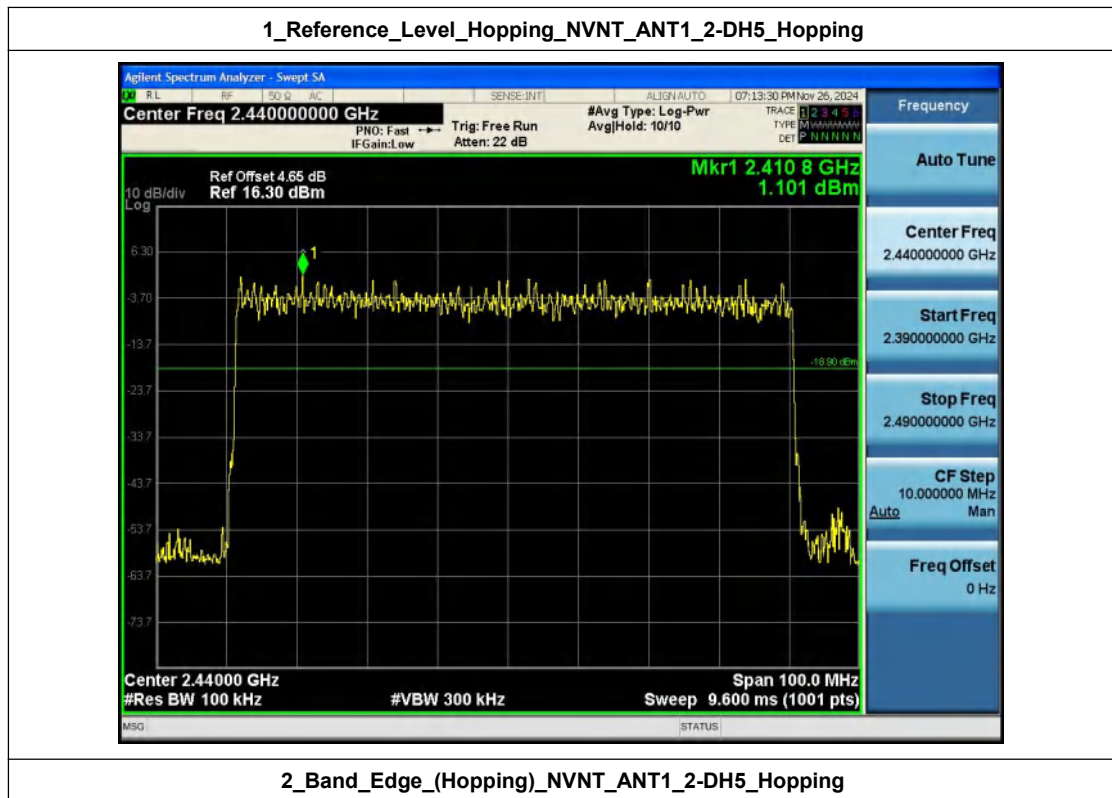


2_Bandedge_NVNT_ANT1_2-DH5_2480_00





1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping

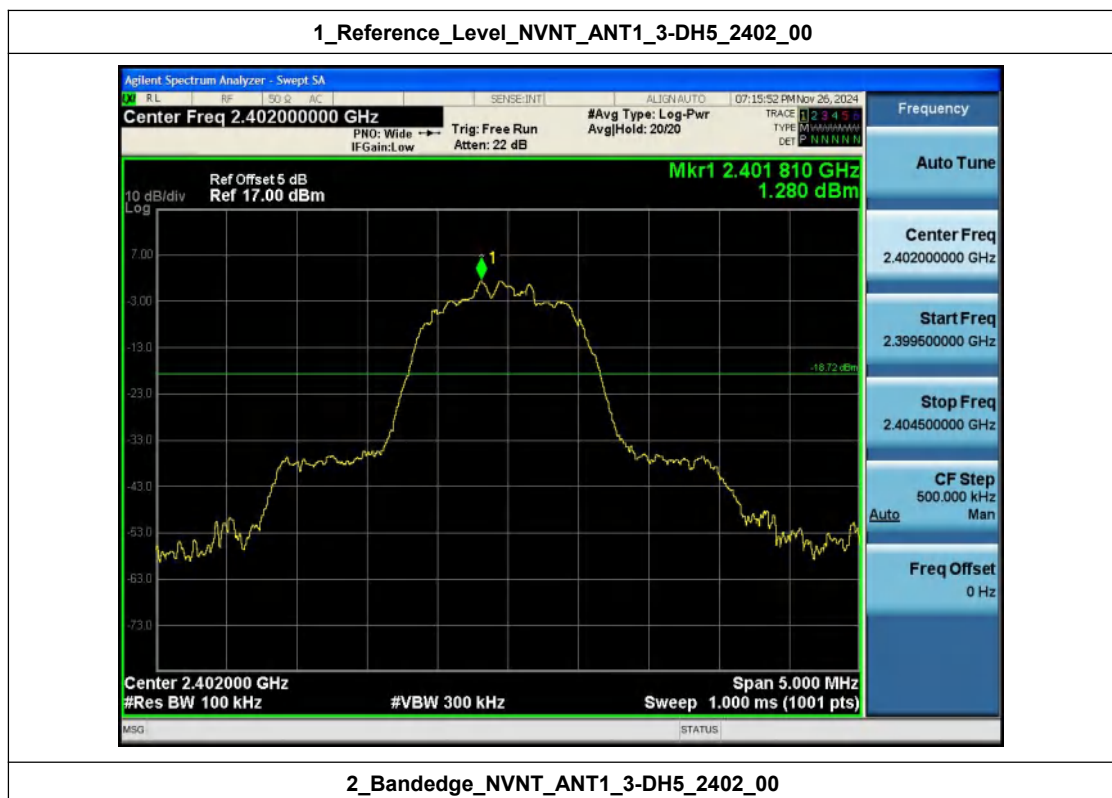


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping





1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

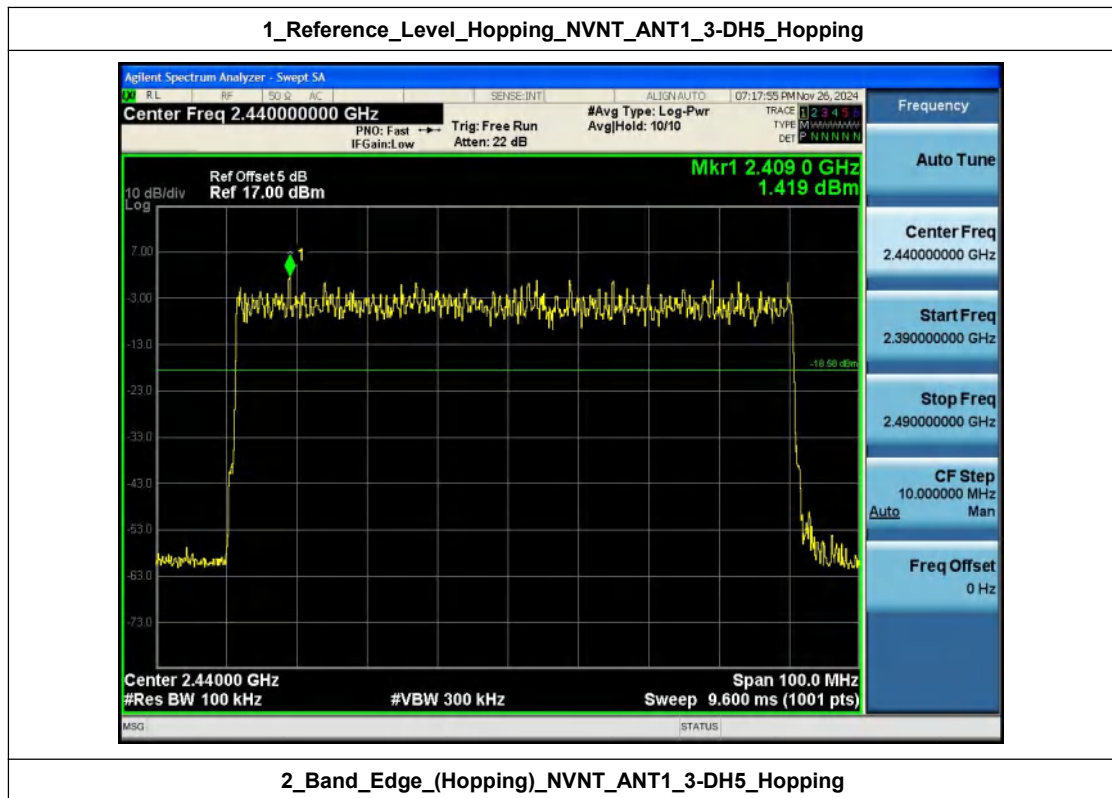


2_Bandedge_NVNT_ANT1_3-DH5_2402_00



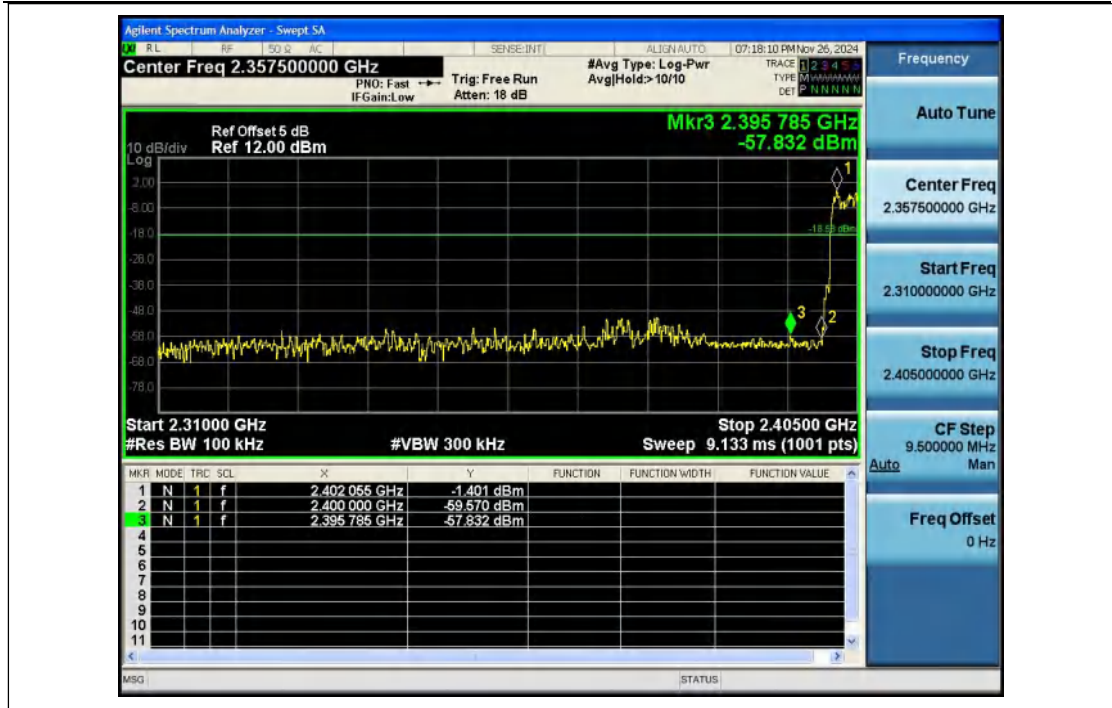


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping

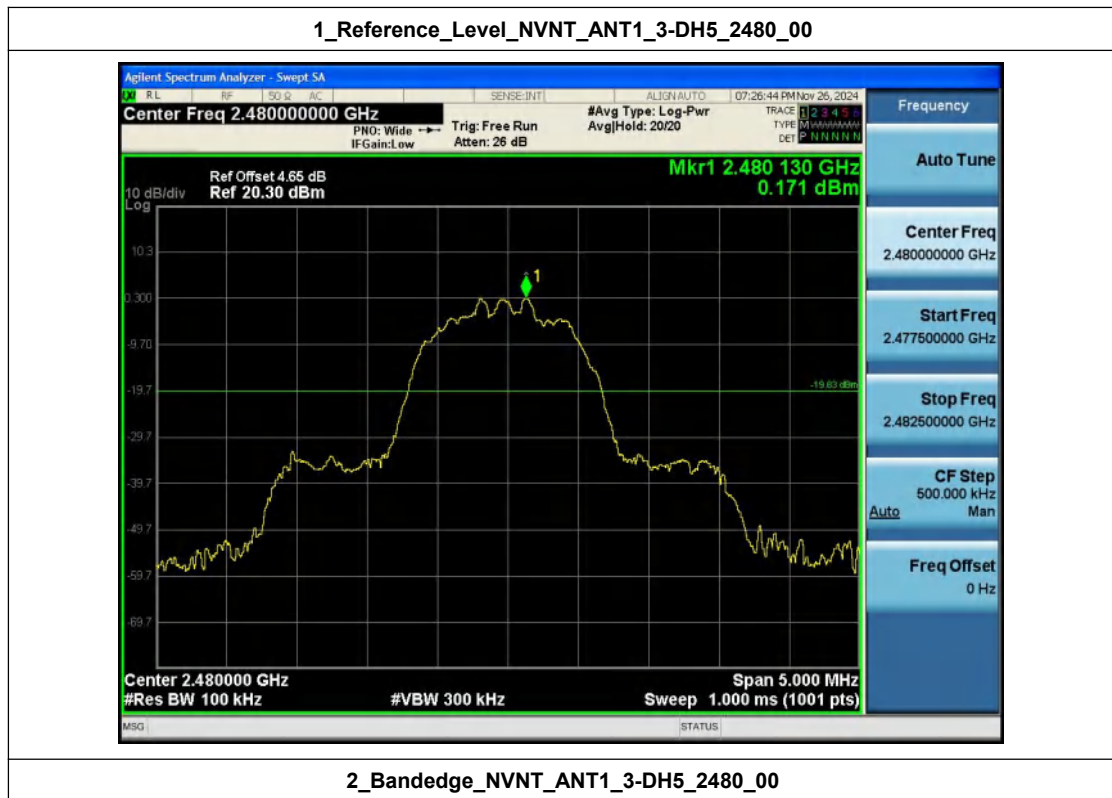


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



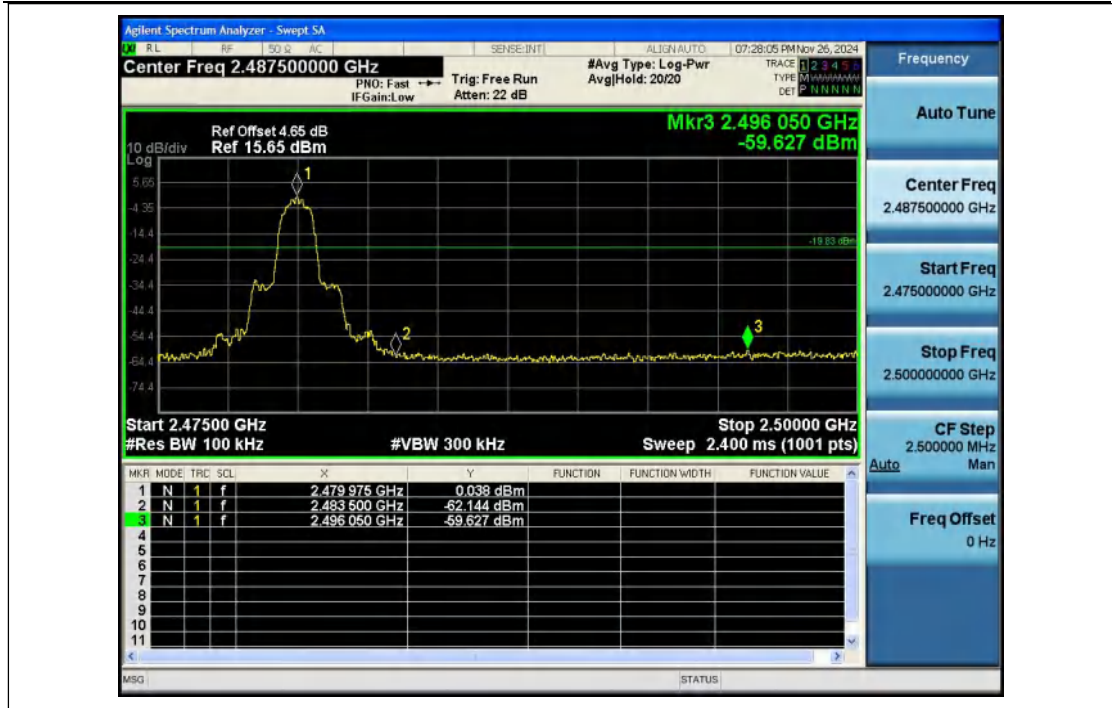


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00

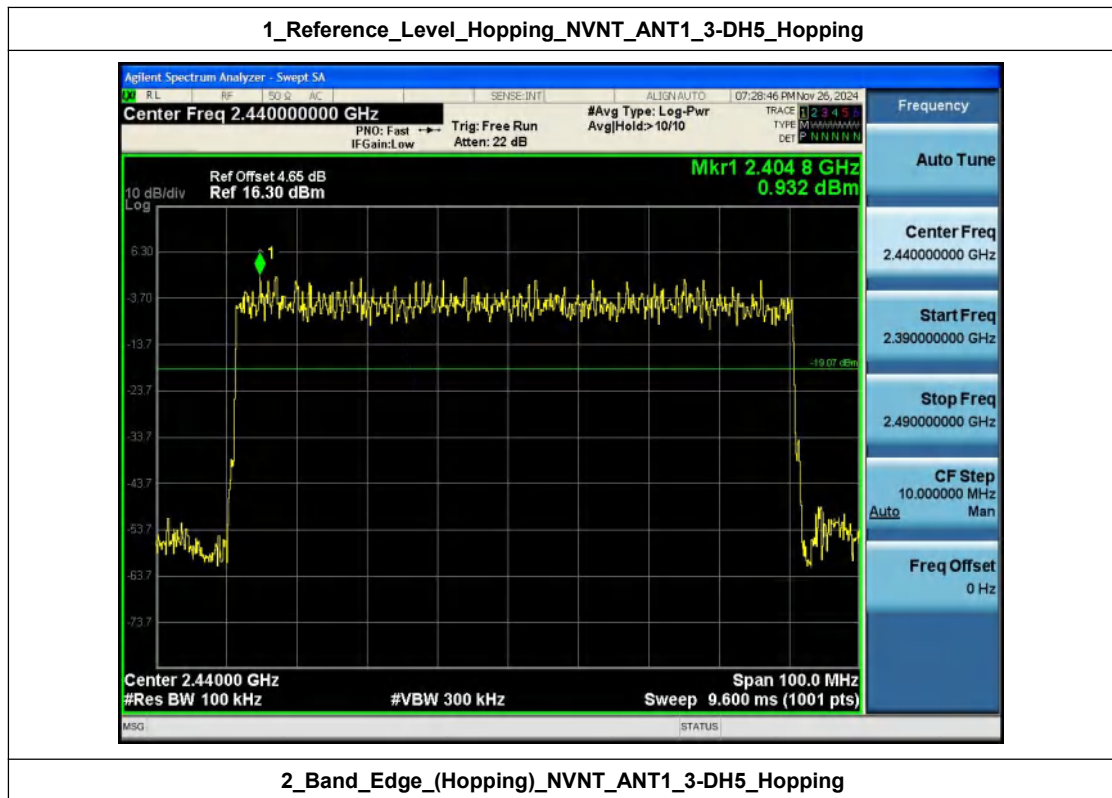


2_Bandedge_NVNT_ANT1_3-DH5_2480_00



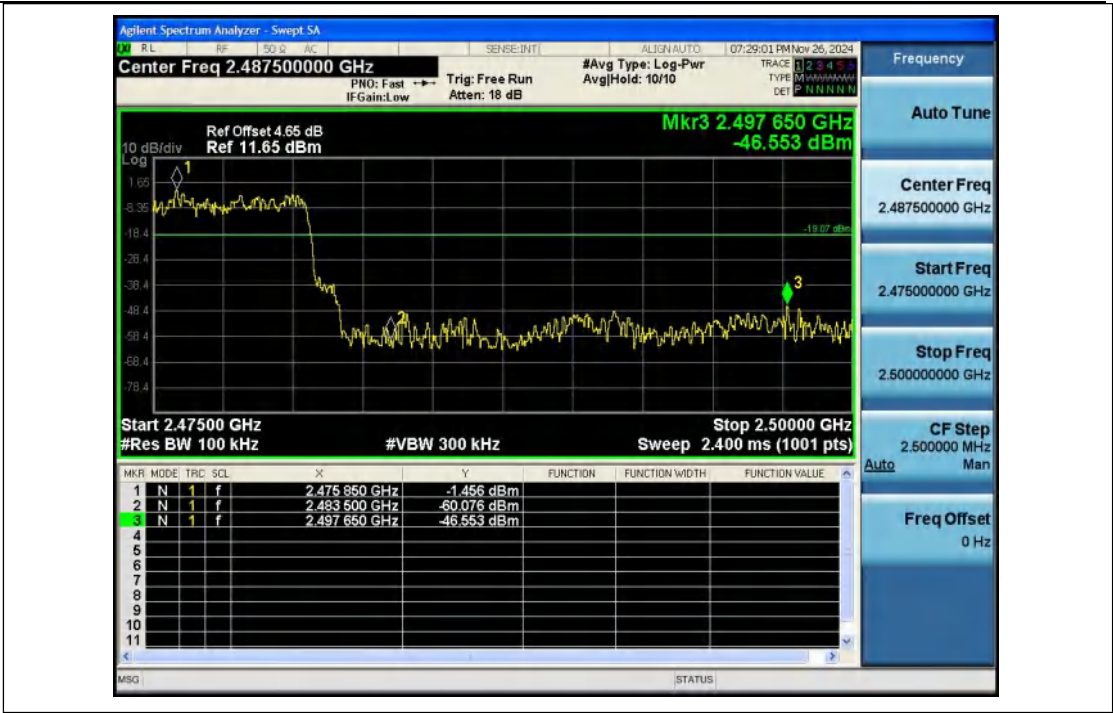


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping





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Hotline 400-003-0500
www.anbotech.com



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	2440.960	2441.959	1.00	0.676	Pass
NVNT	ANT1	2-DH5	2441.00	2441.077	2441.995	0.92	0.874	Pass
NVNT	ANT1	3-DH5	2441.00	2440.969	2442.136	1.17	0.869	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping

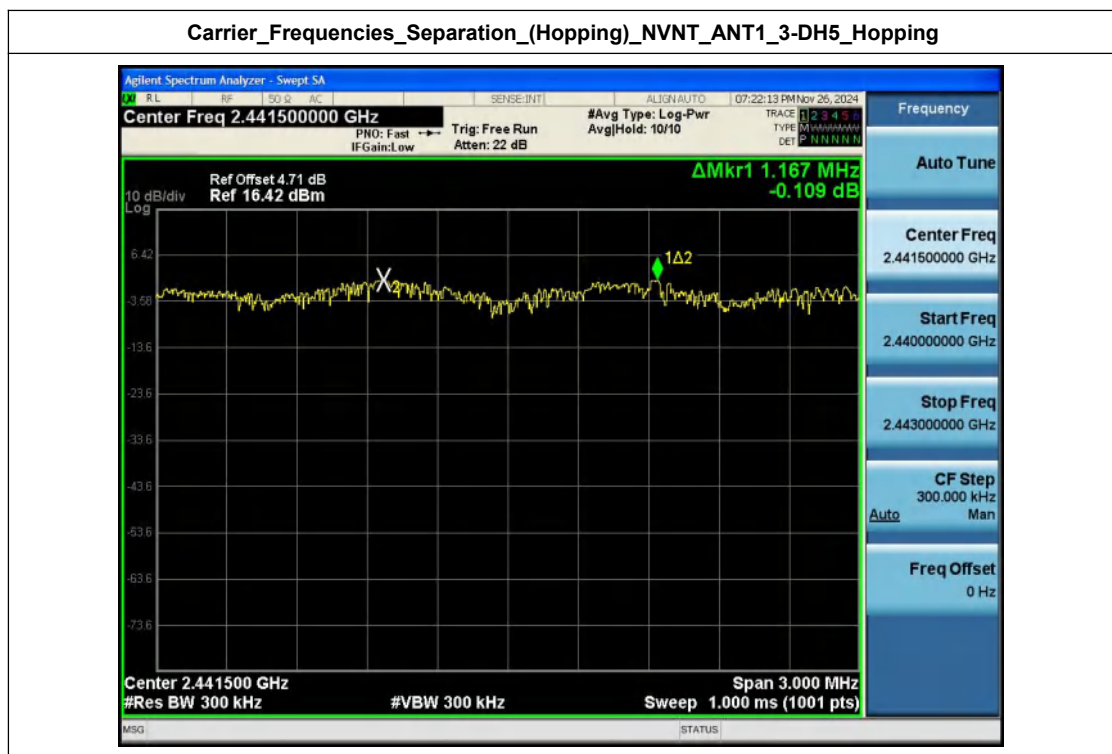


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping





Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



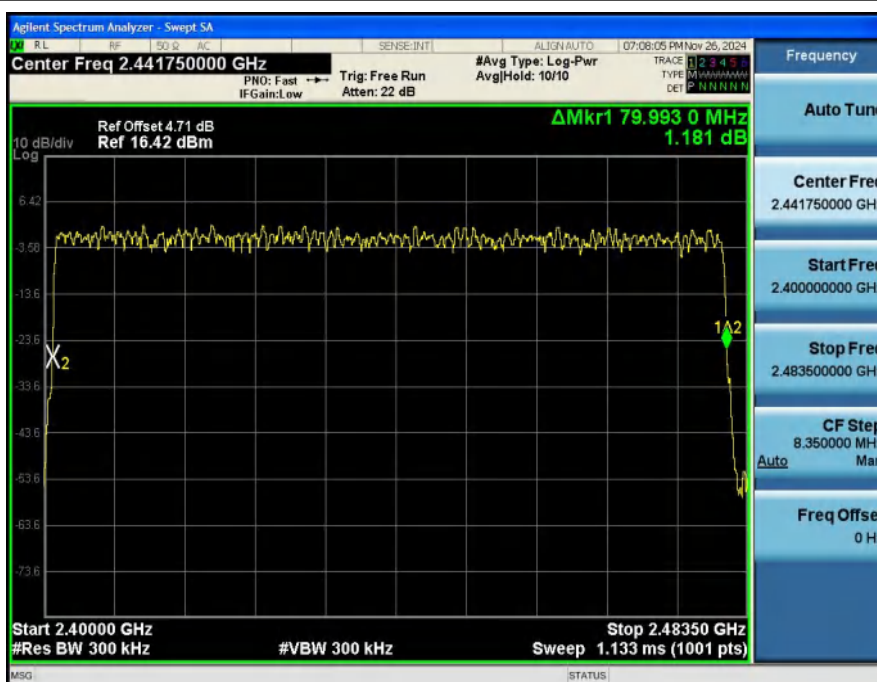
Appendix H: Number of Hopping Channel (Hopping)

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

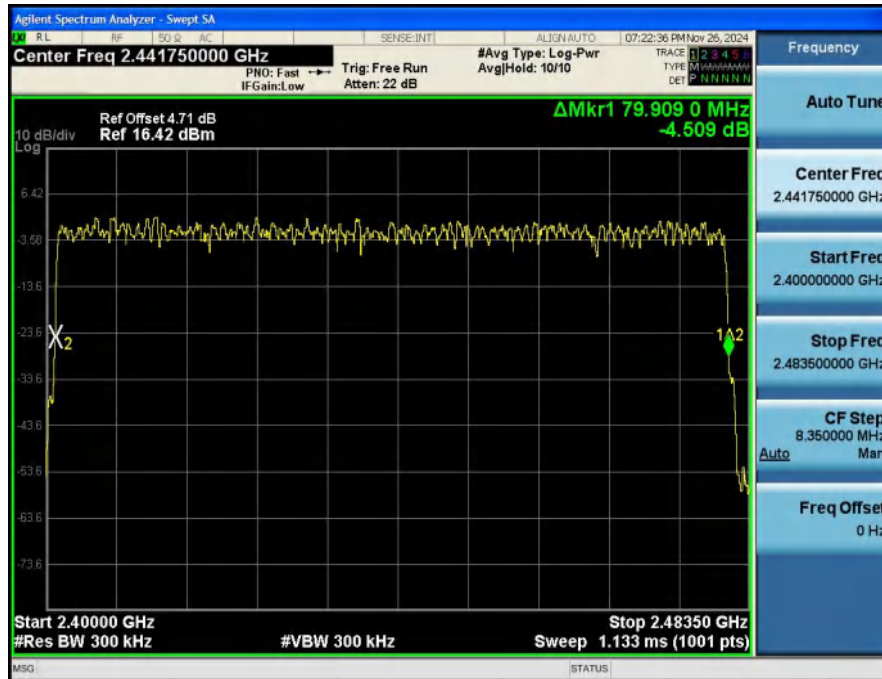
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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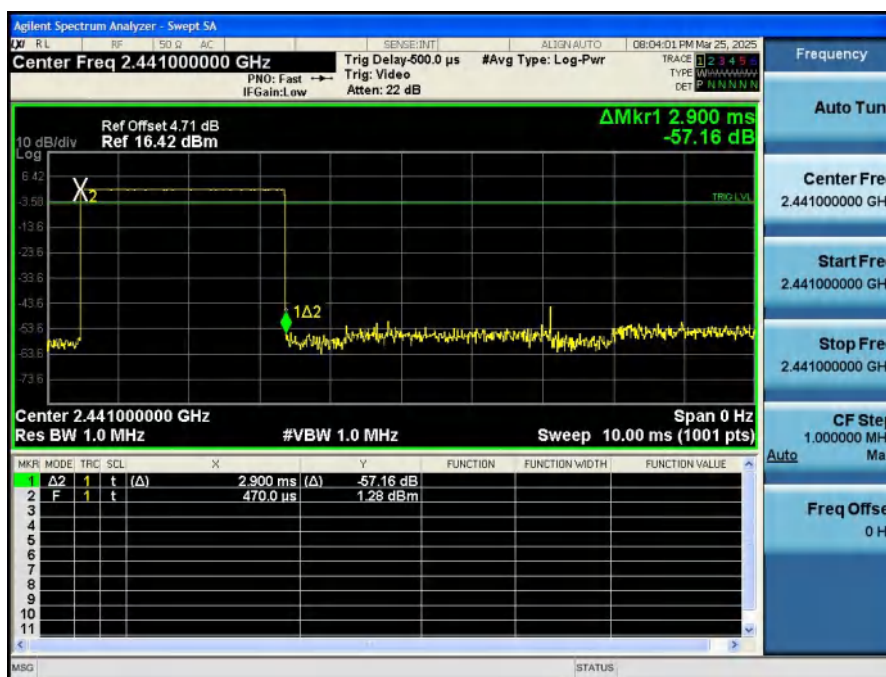
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Appendix I: Dwell Time (Hopping)

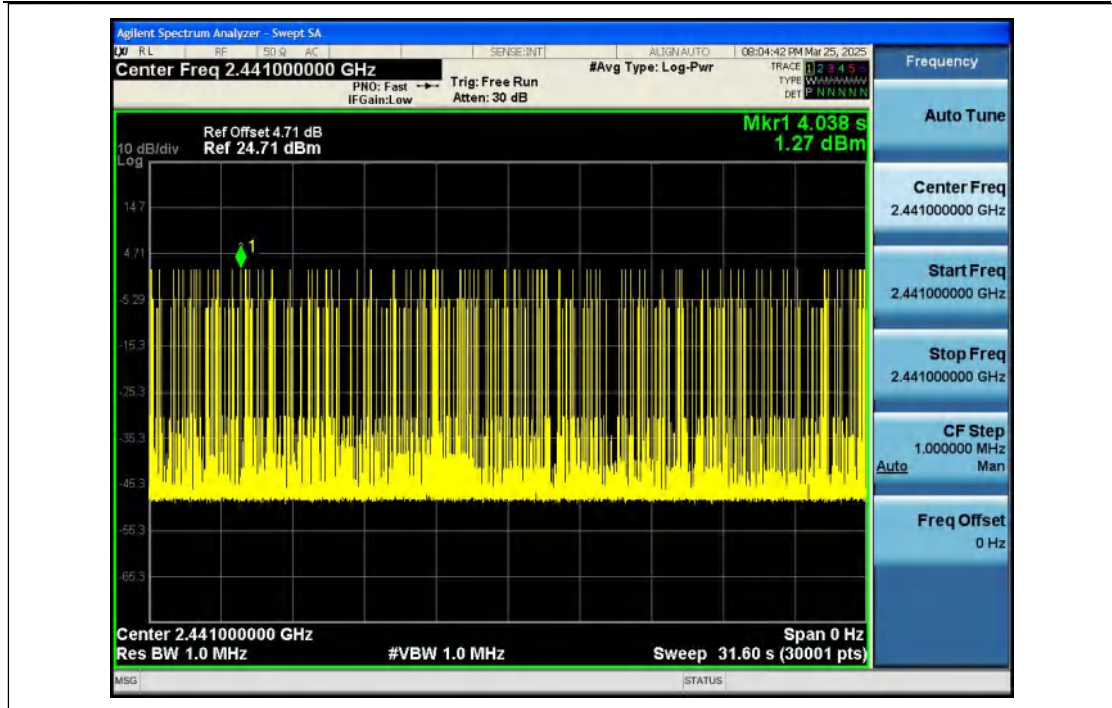
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.900	107.00	310.300	0.40	Pass
NVNT	ANT1	2-DH5	2.893	114.00	329.802	0.40	Pass
NVNT	ANT1	3-DH5	2.896	106.00	306.976	0.40	Pass
NVNT	ANT1	1-DH1	0.385	320.00	123.200	0.40	Pass
NVNT	ANT1	1-DH3	1.641	155.00	254.355	0.40	Pass
NVNT	ANT1	2-DH1	0.393	318.00	124.974	0.40	Pass
NVNT	ANT1	2-DH3	1.645	149.00	245.105	0.40	Pass
NVNT	ANT1	3-DH1	0.393	319.00	125.367	0.40	Pass
NVNT	ANT1	3-DH3	1.644	165.00	271.260	0.40	Pass

Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time

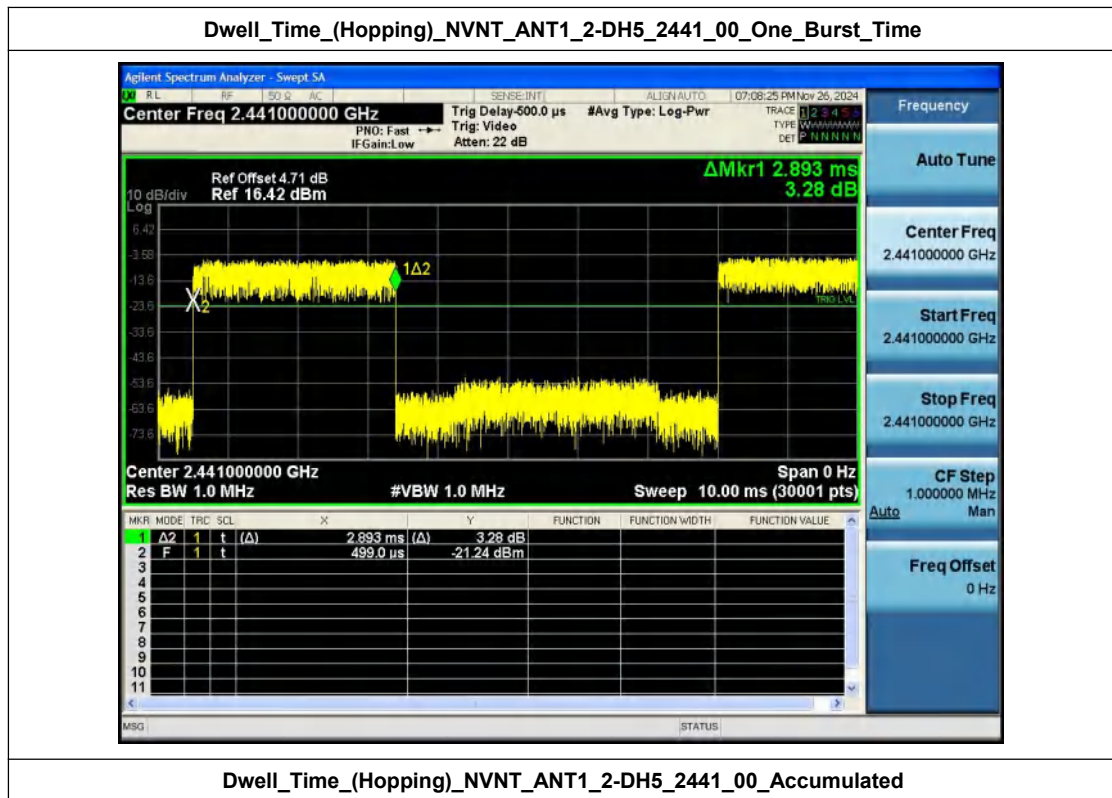


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



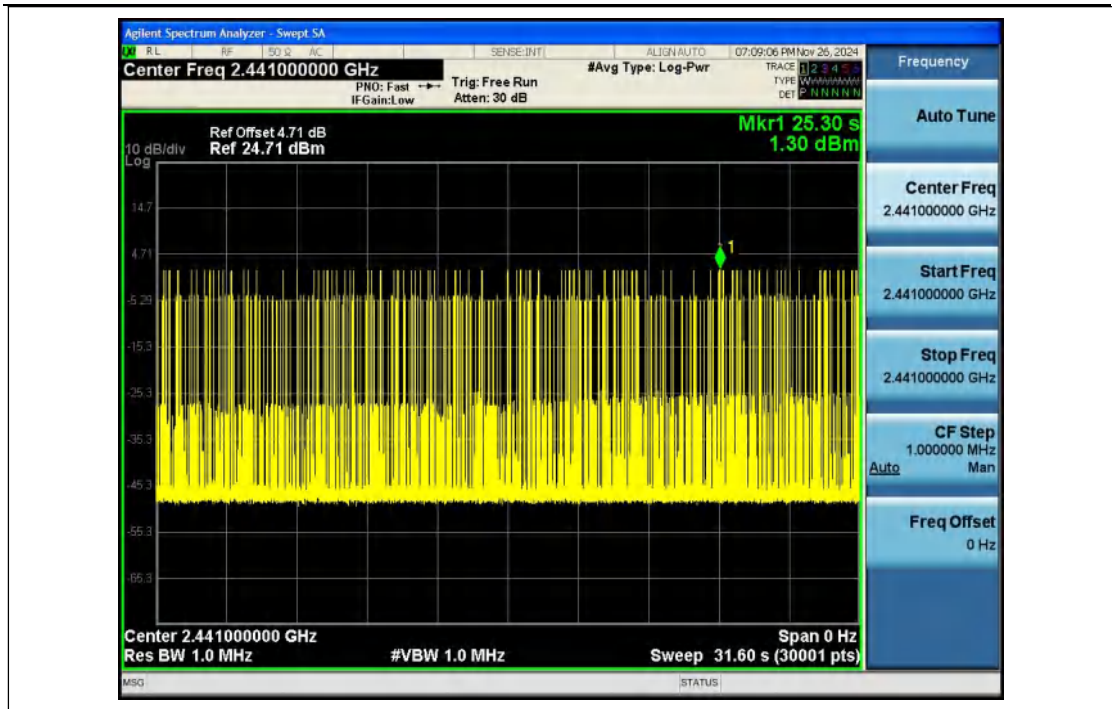


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time

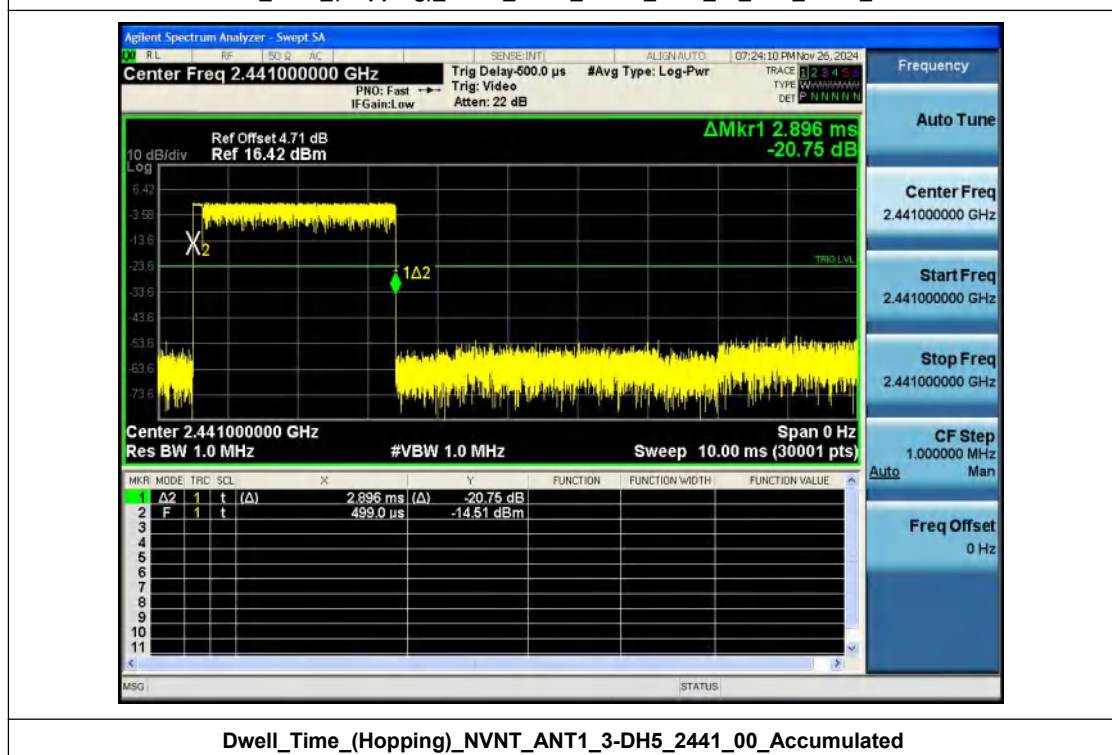


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



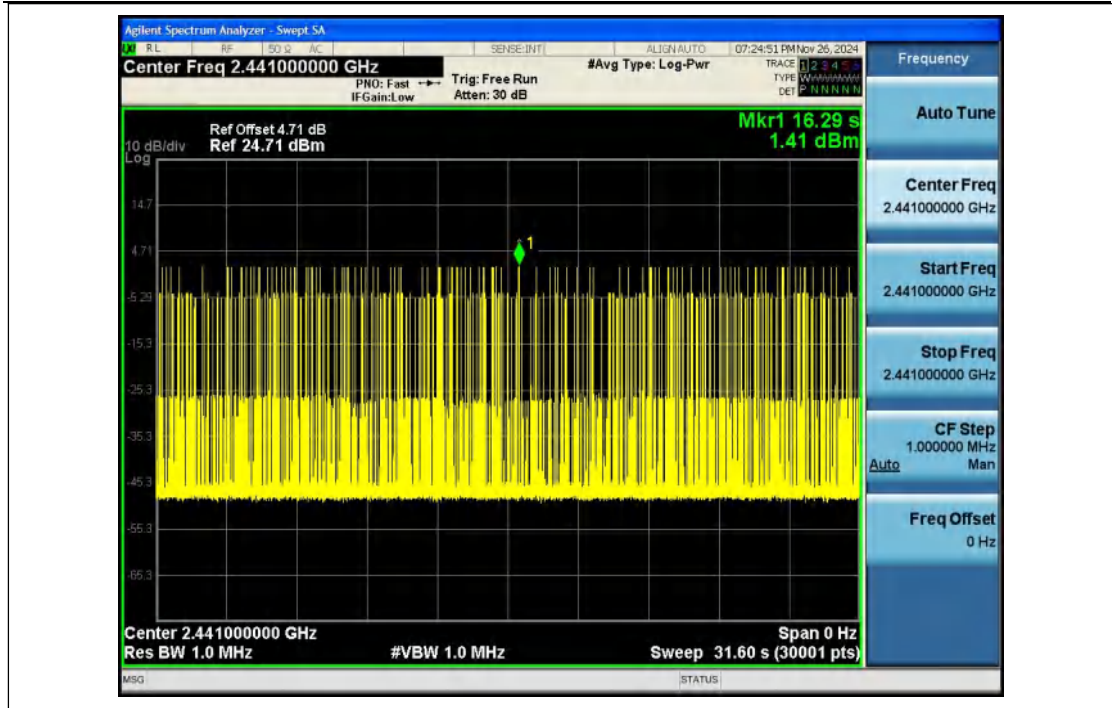


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time

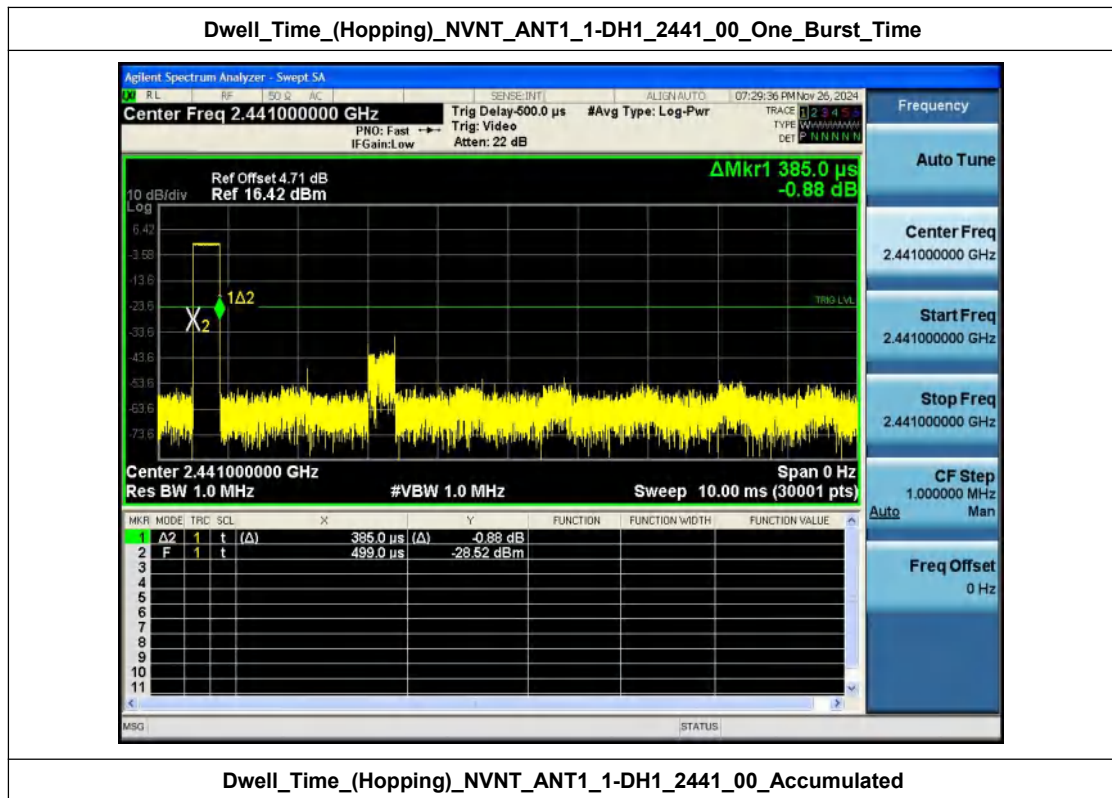


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated



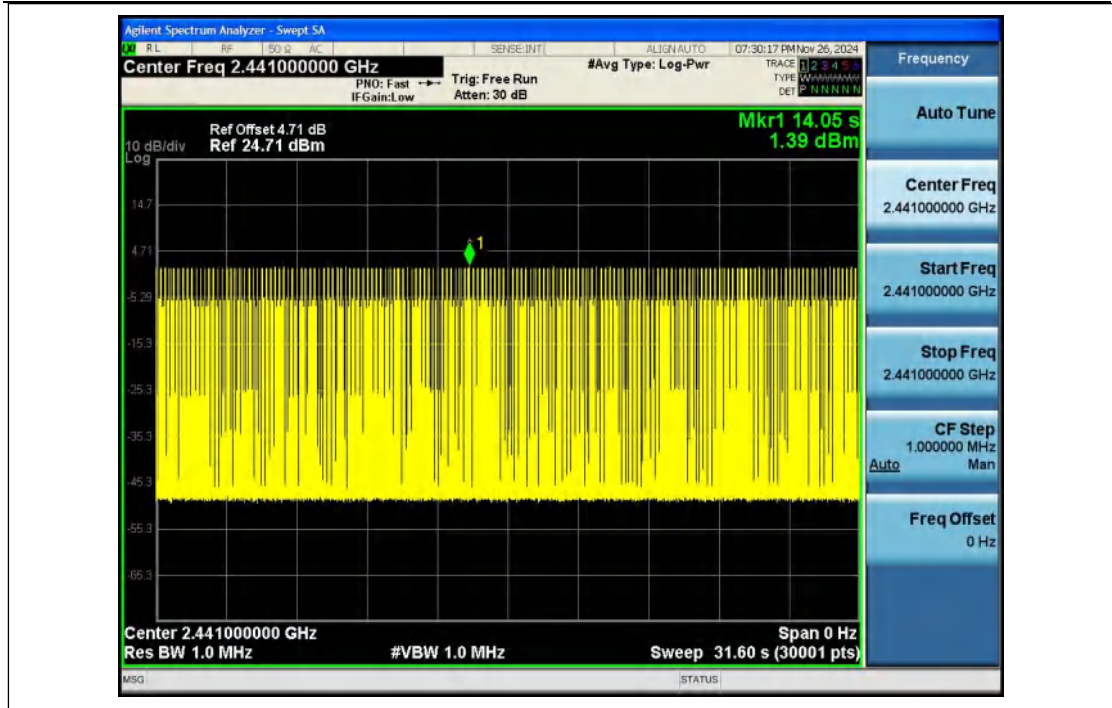


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time

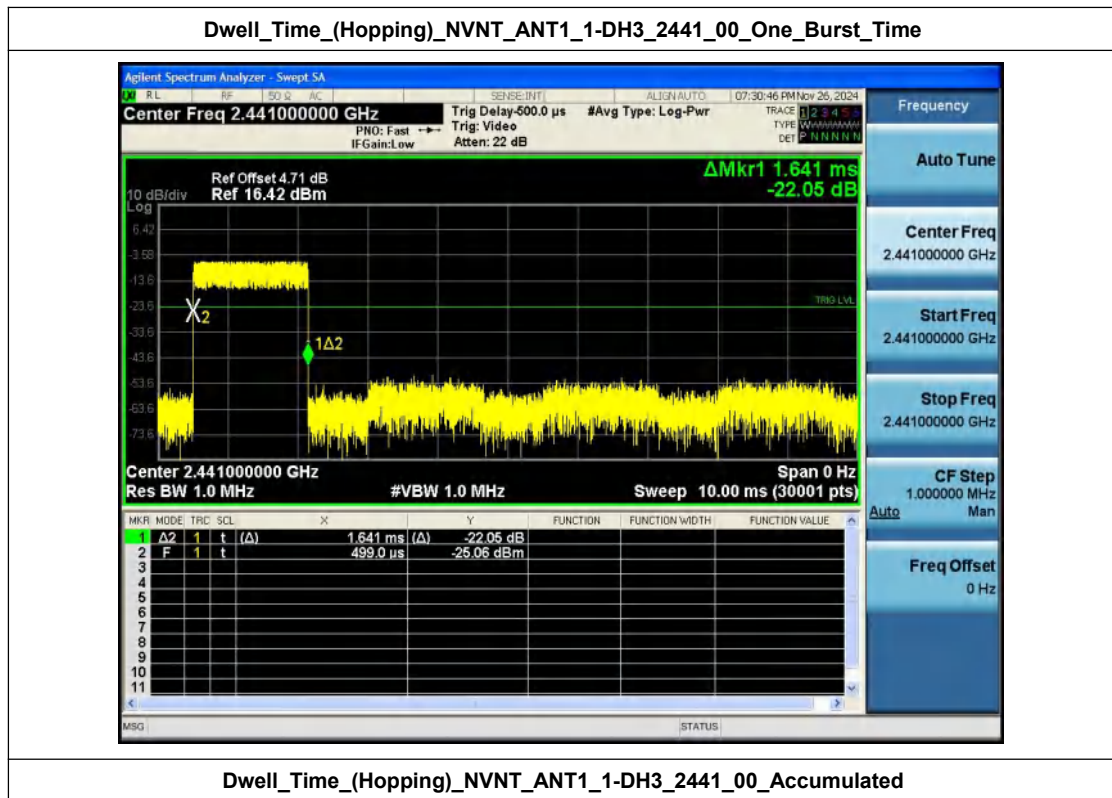


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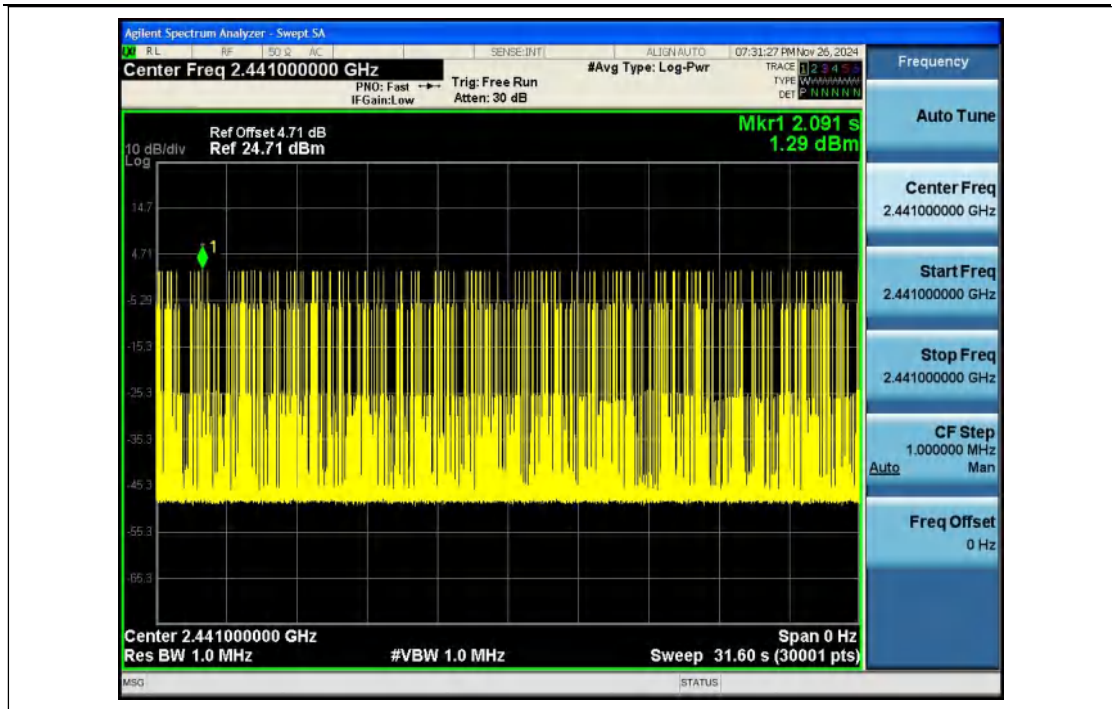


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time

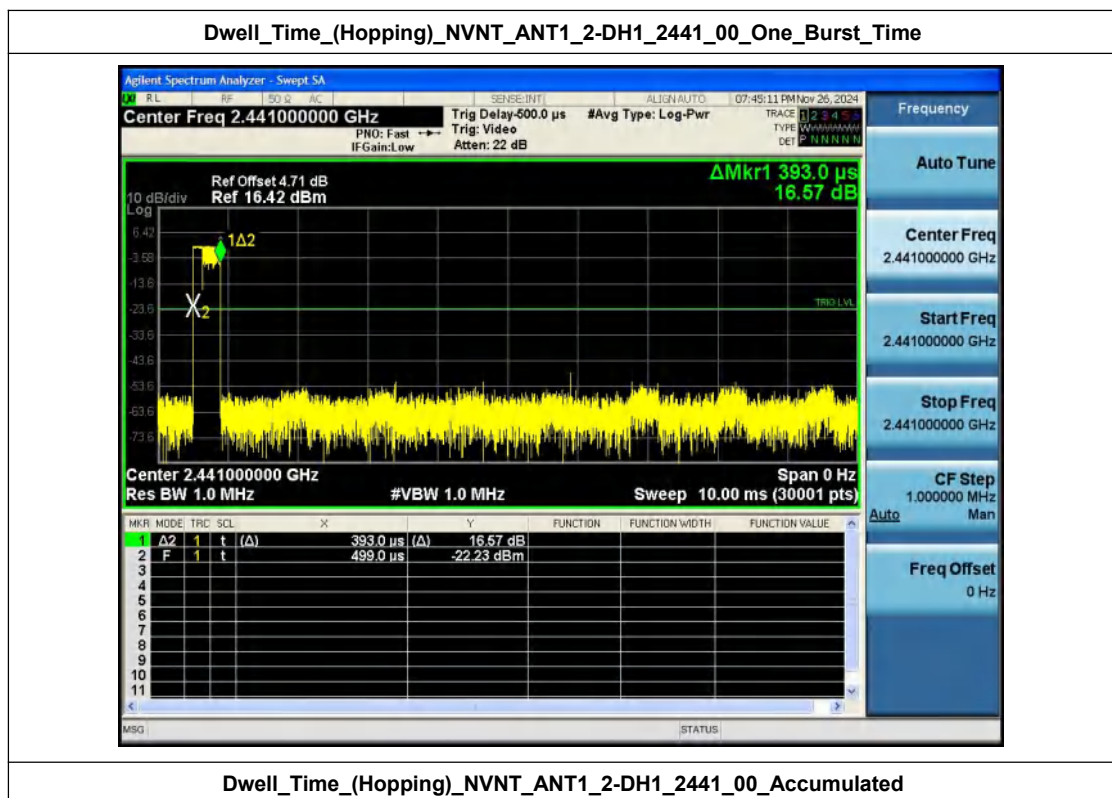


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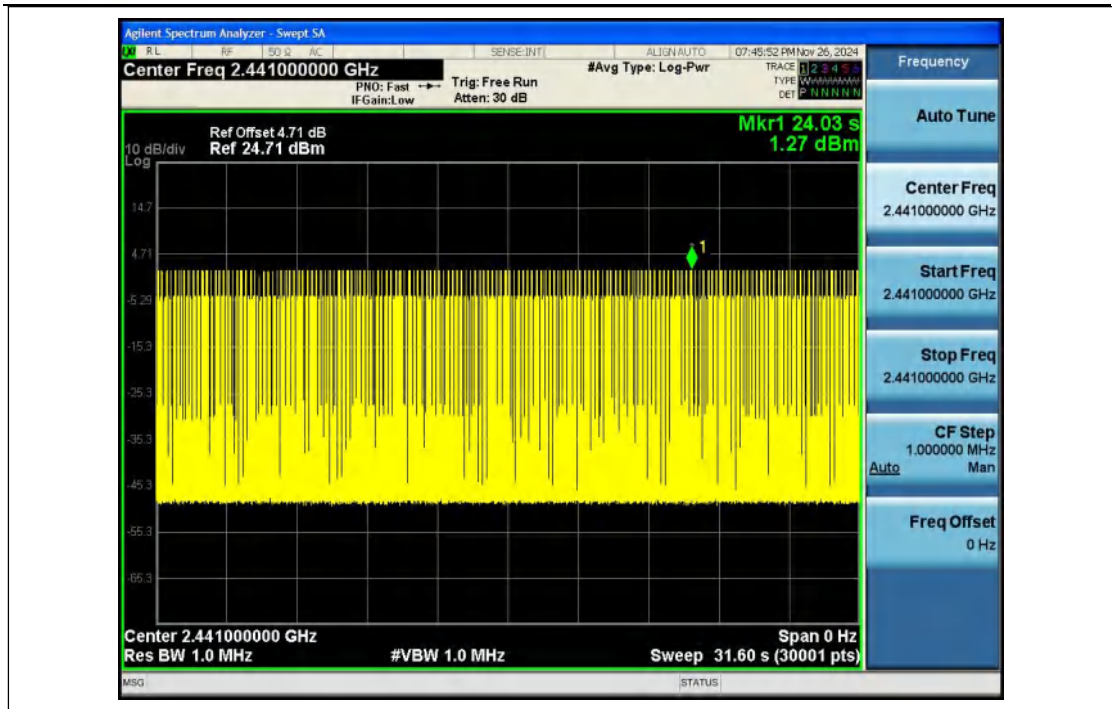


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time

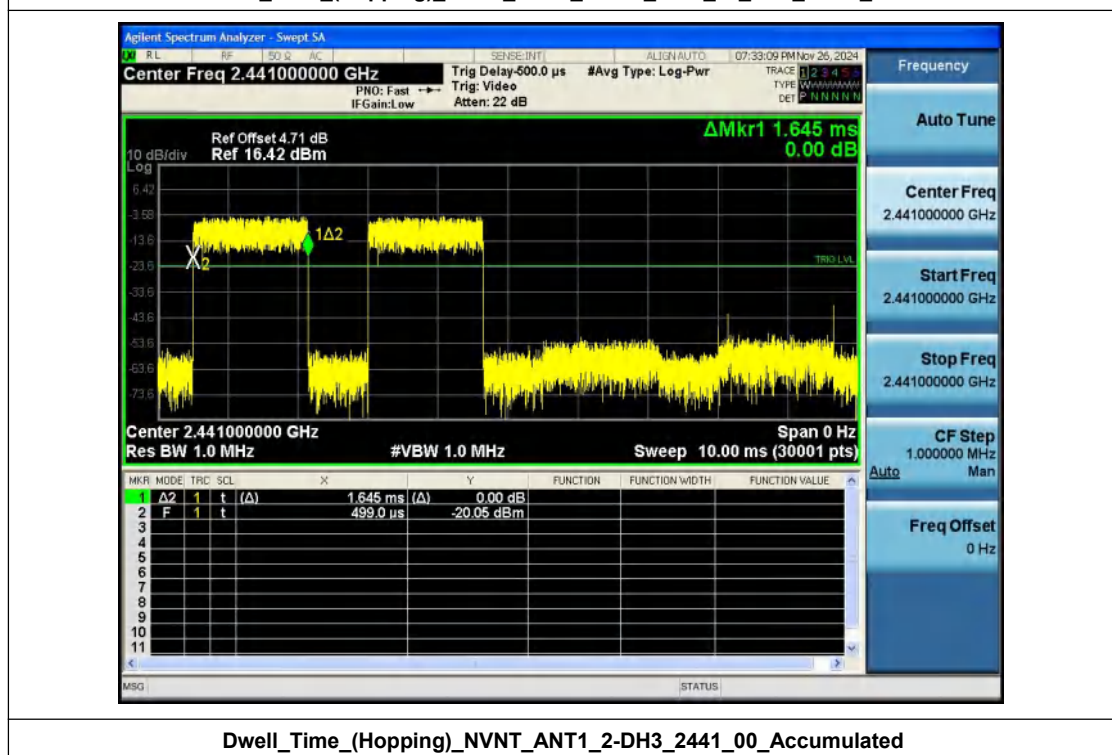


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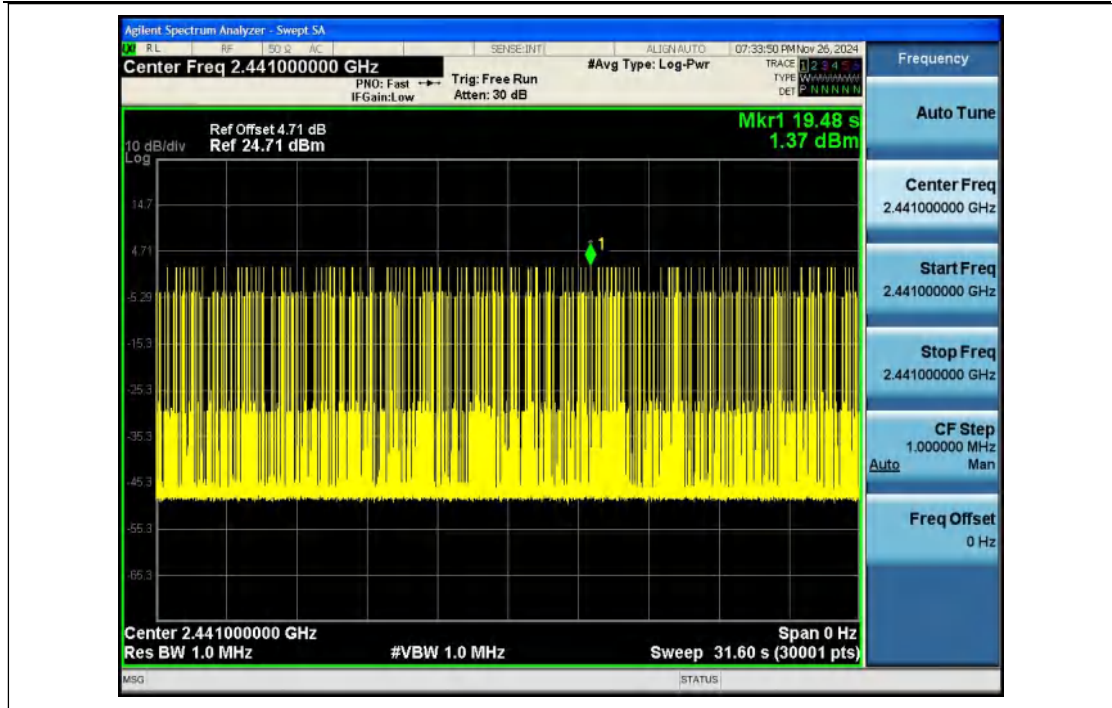


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time

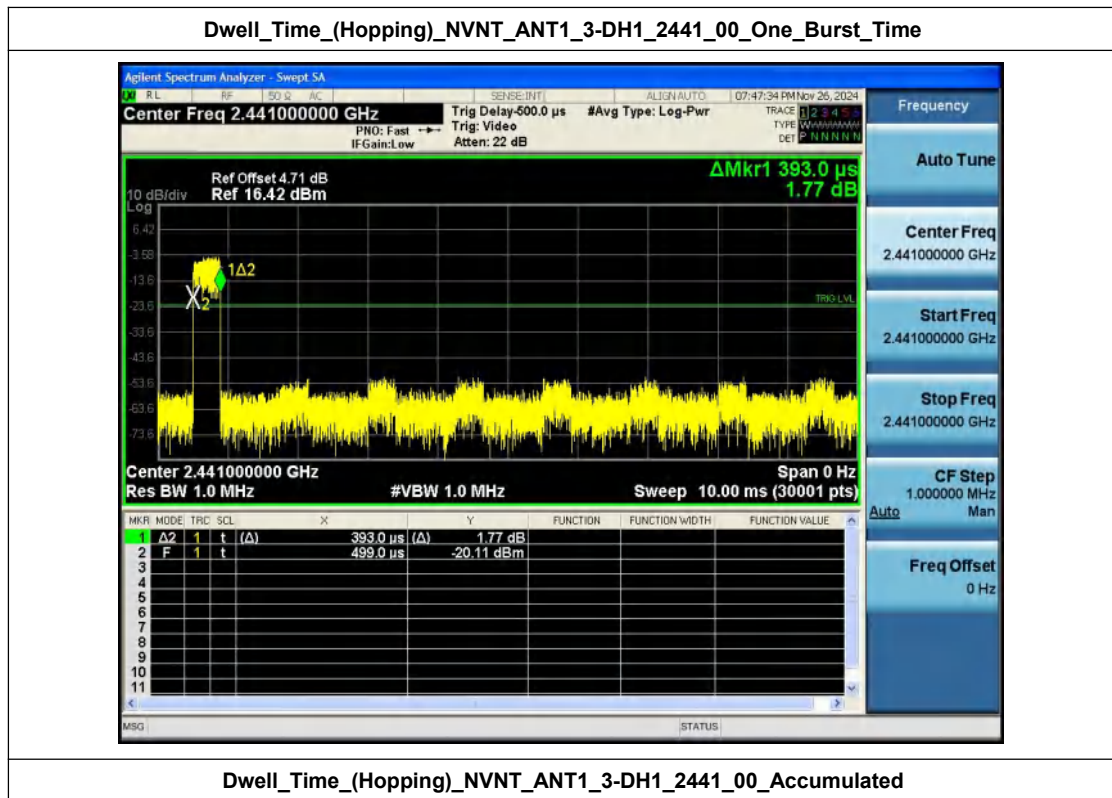


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_Accumulated



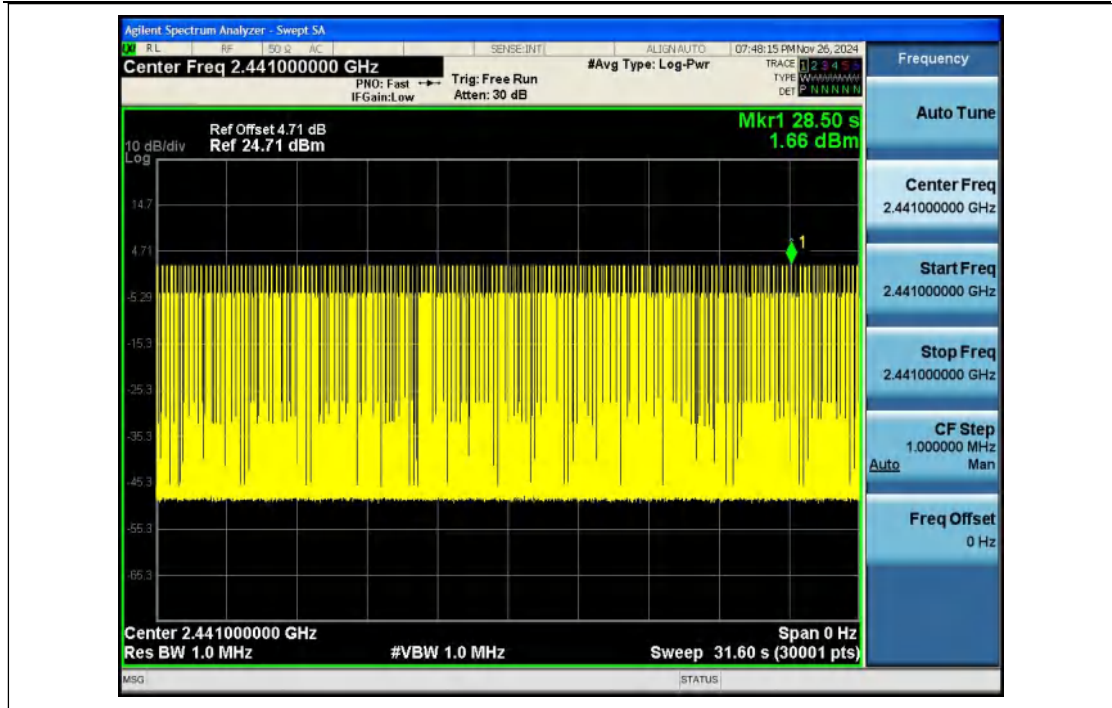


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time

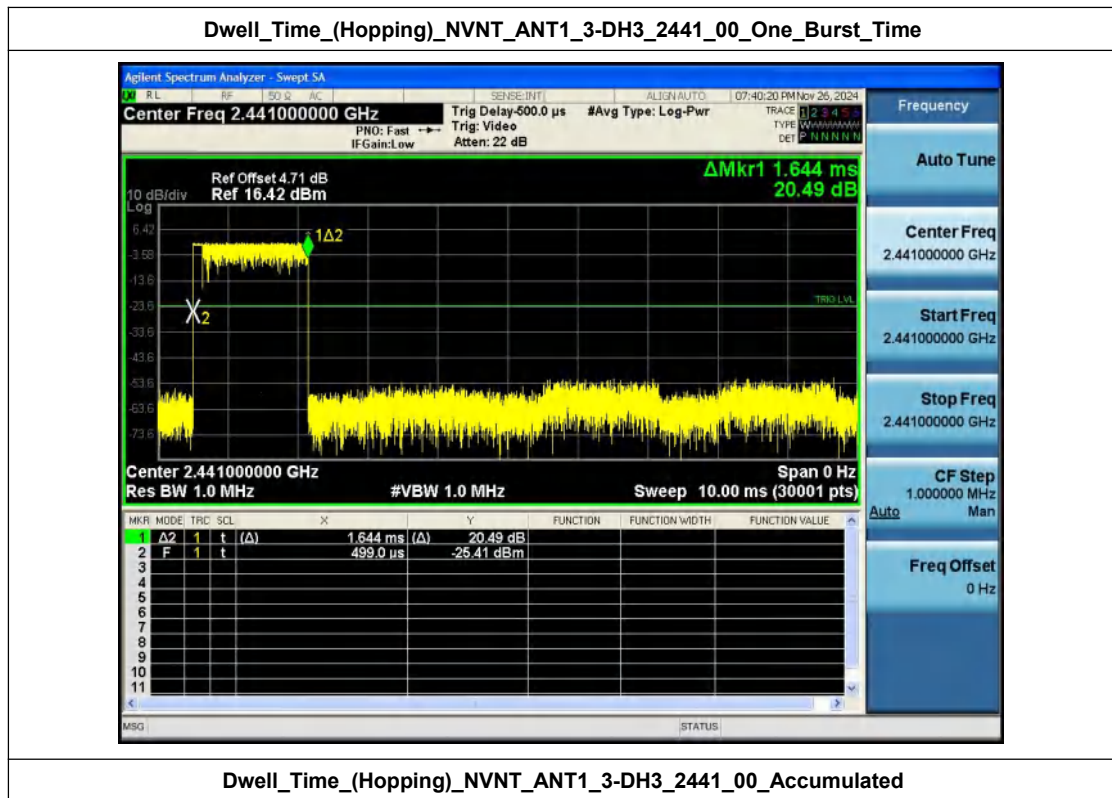


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



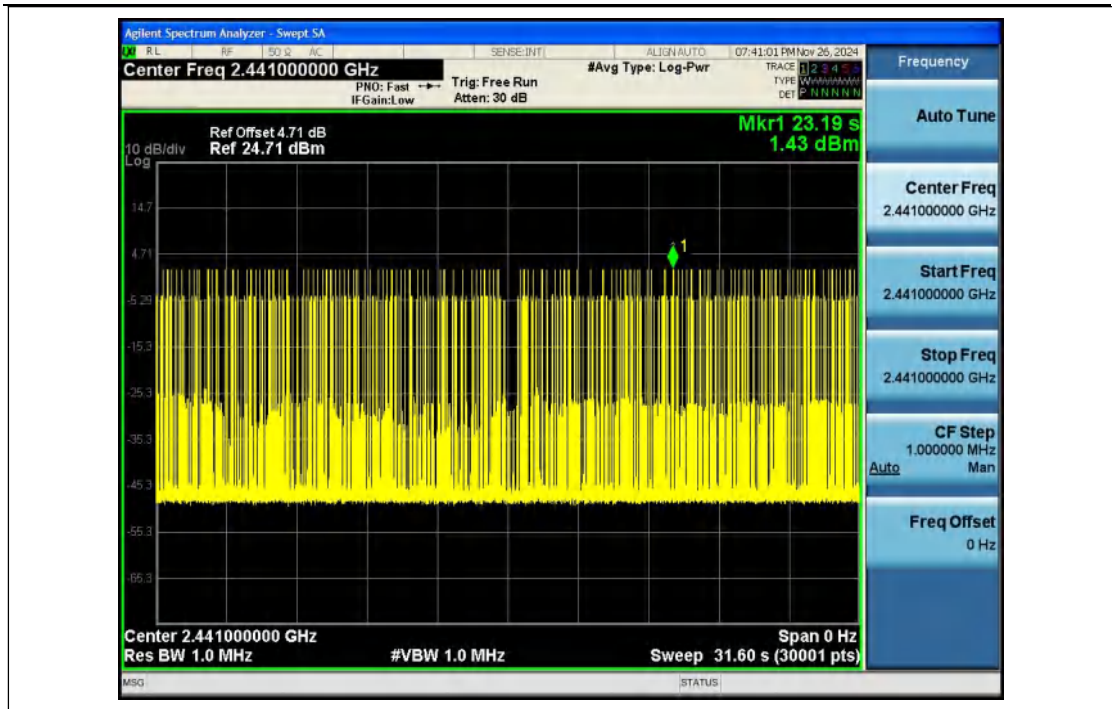


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated





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