

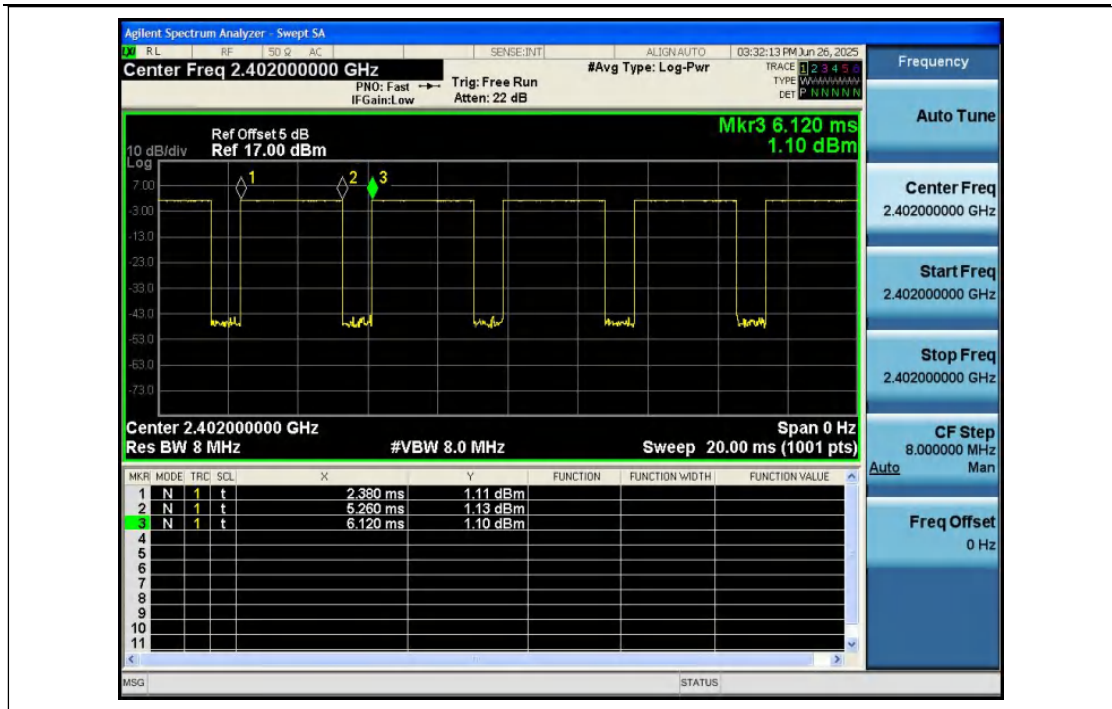
Appendix Test Data

Report No.:	1812C50307612501	Test Sample No.:	1-2-2
Start Test Date:	2025-06-24	Finish Test Date:	2025-06-26
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.4°C	Relative Humidity:	57%
Pressure:	101kPa		

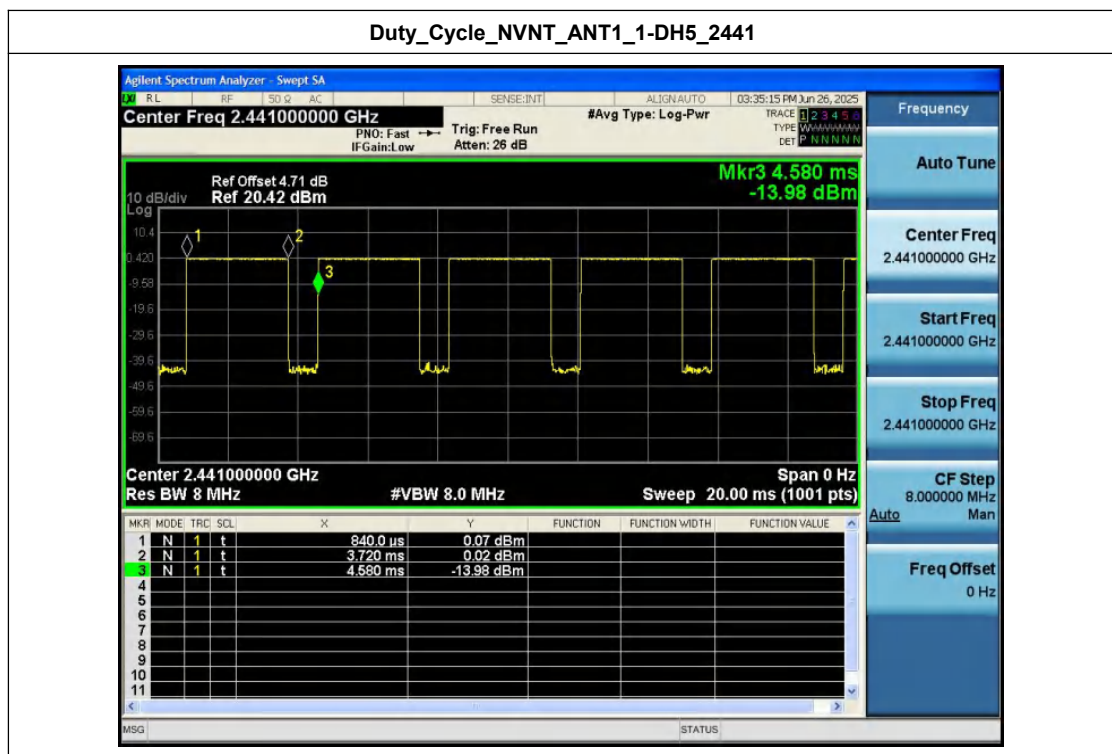
Appendix A: Duty Cycle

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

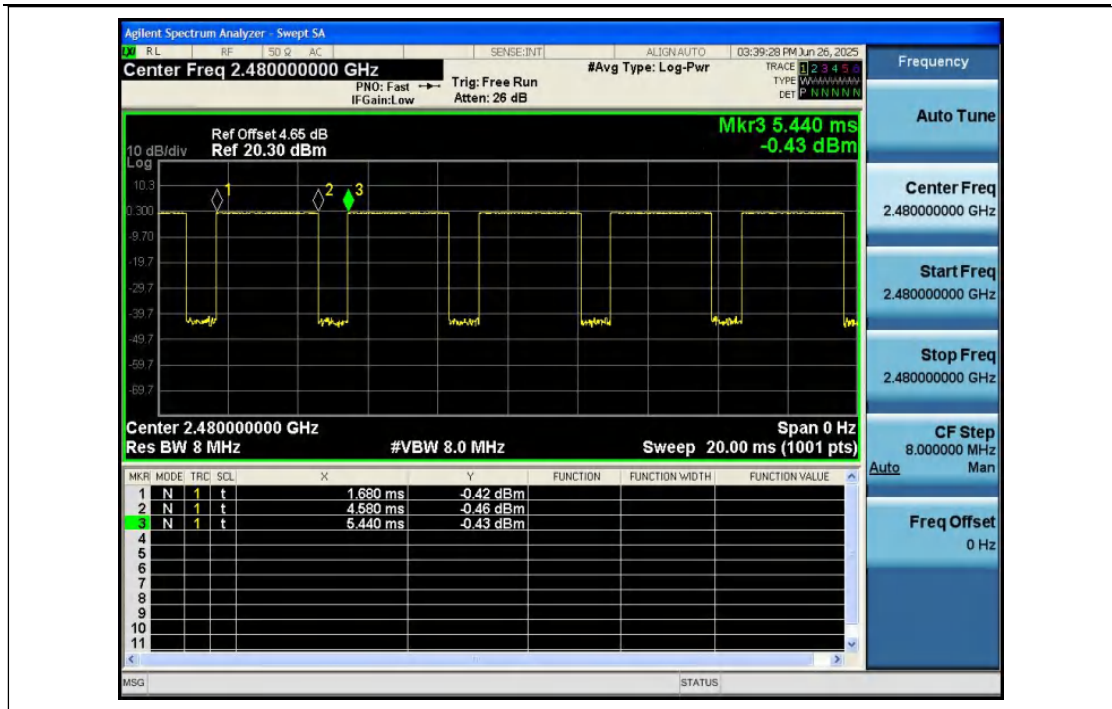
Duty_Cycle_NVNT_ANT1_1-DH5_2402



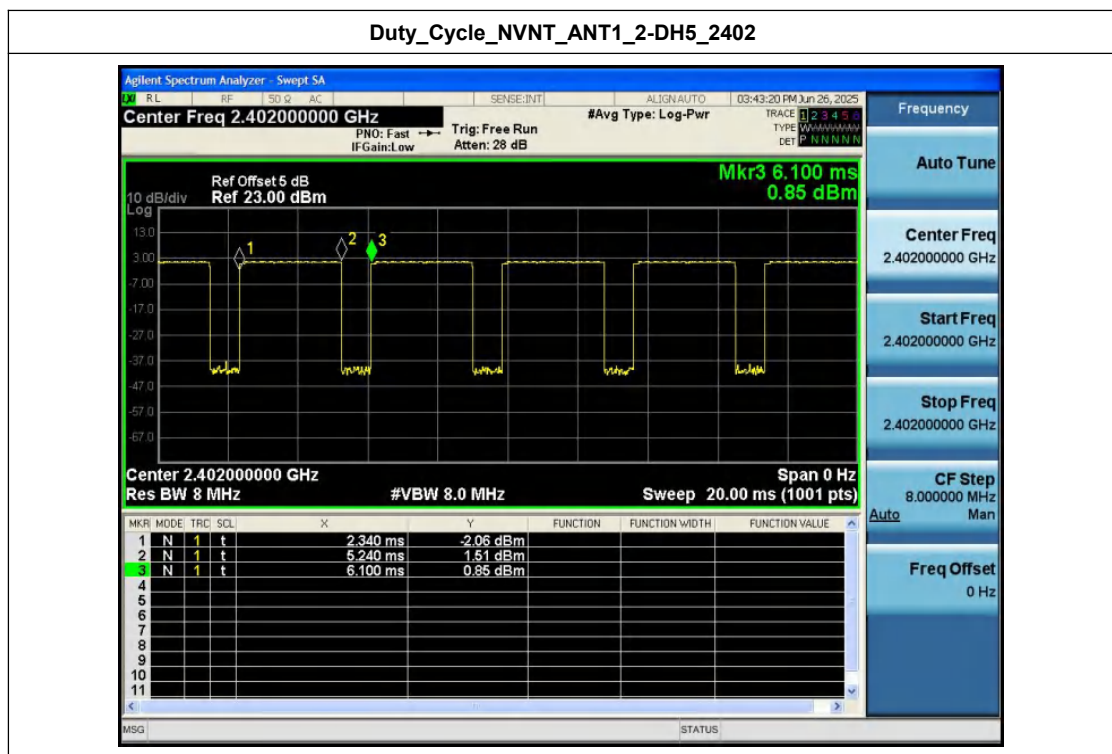
Duty_Cycle_NVNT_ANT1_1-DH5_2441



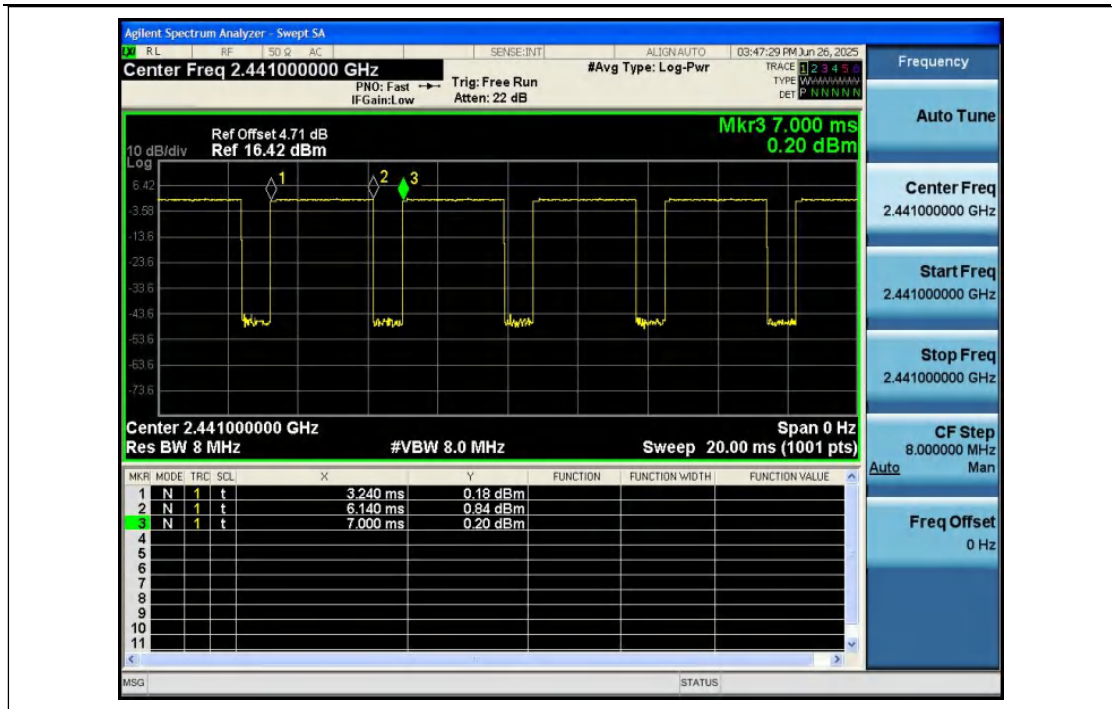
Duty_Cycle_NVNT_ANT1_1-DH5_2480



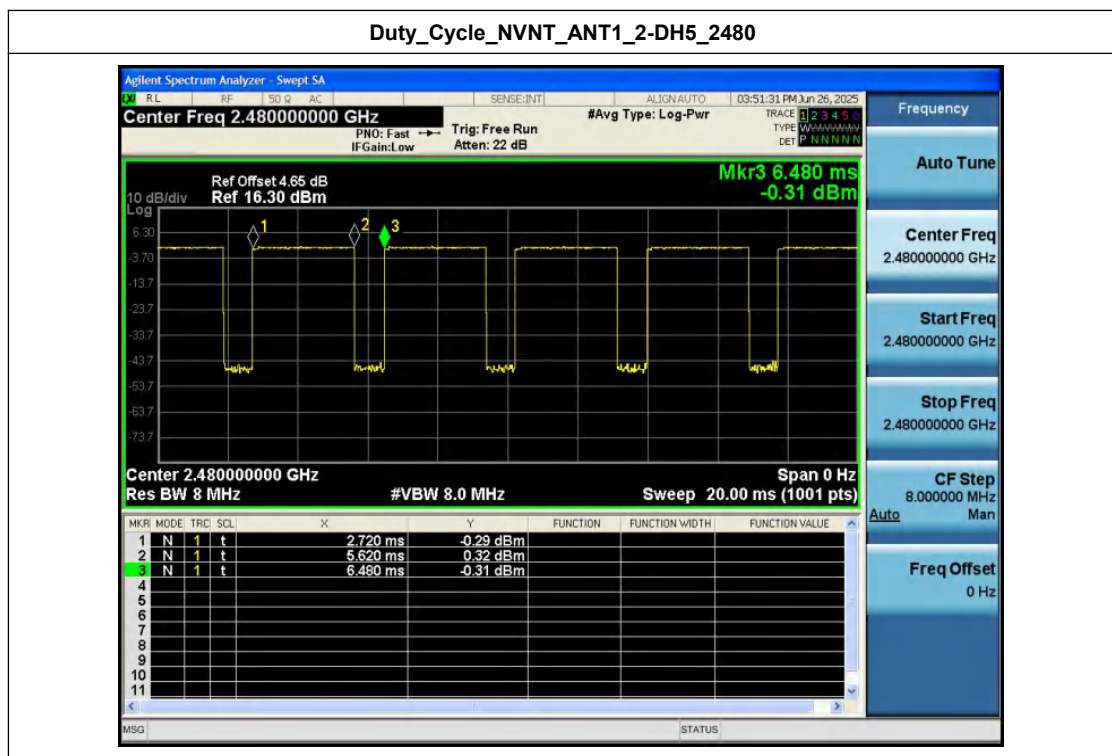
Duty_Cycle_NVNT_ANT1_2-DH5_2402



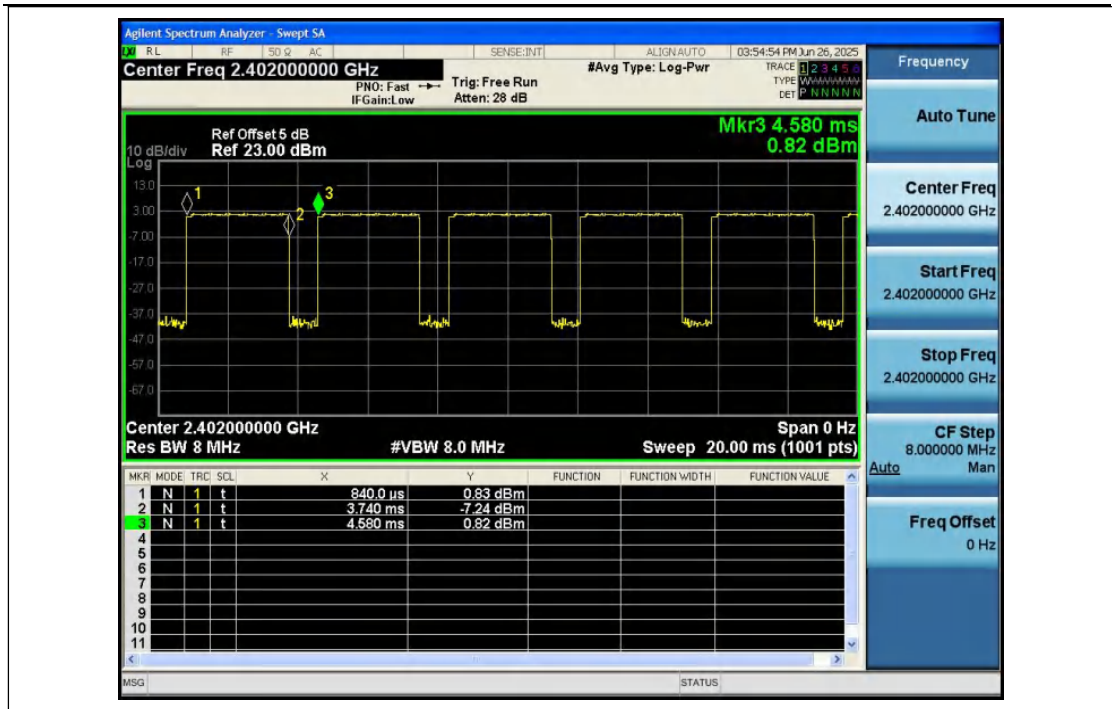
Duty_Cycle_NVNT_ANT1_2-DH5_2441



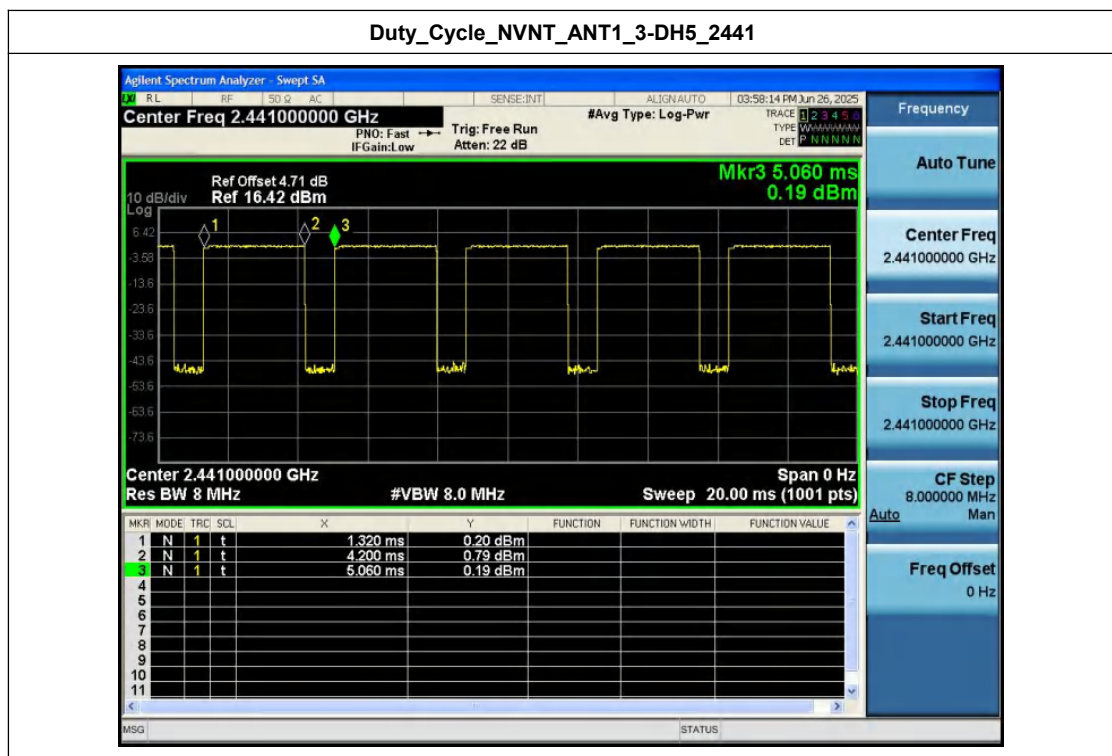
Duty_Cycle_NVNT_ANT1_2-DH5_2480



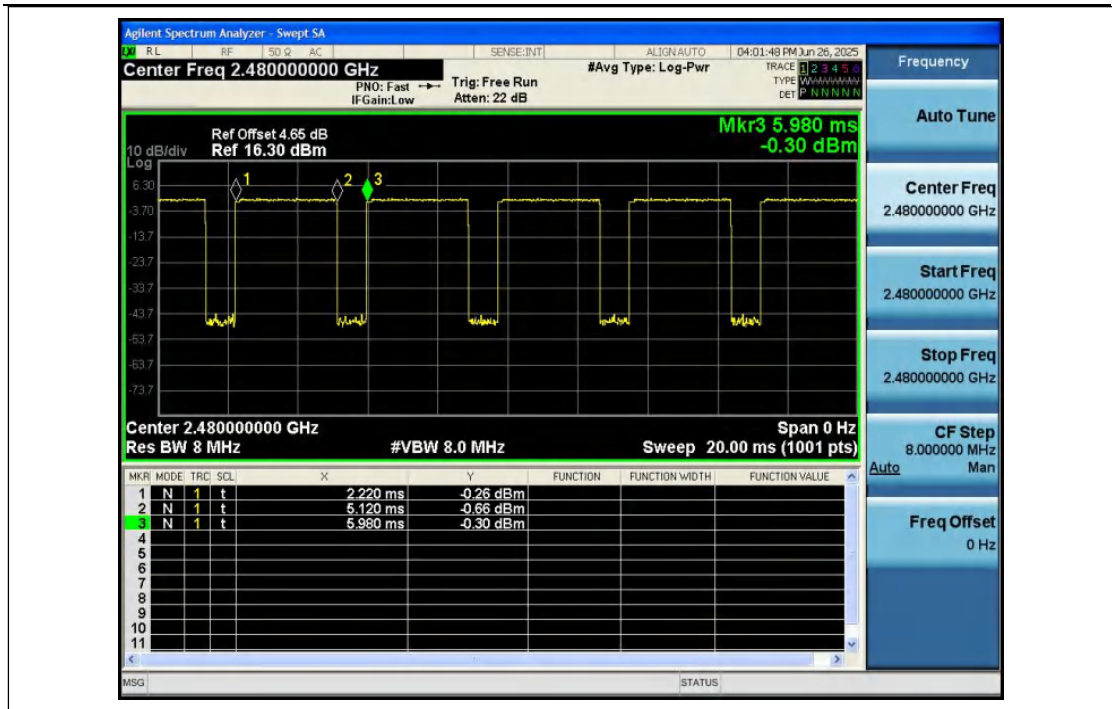
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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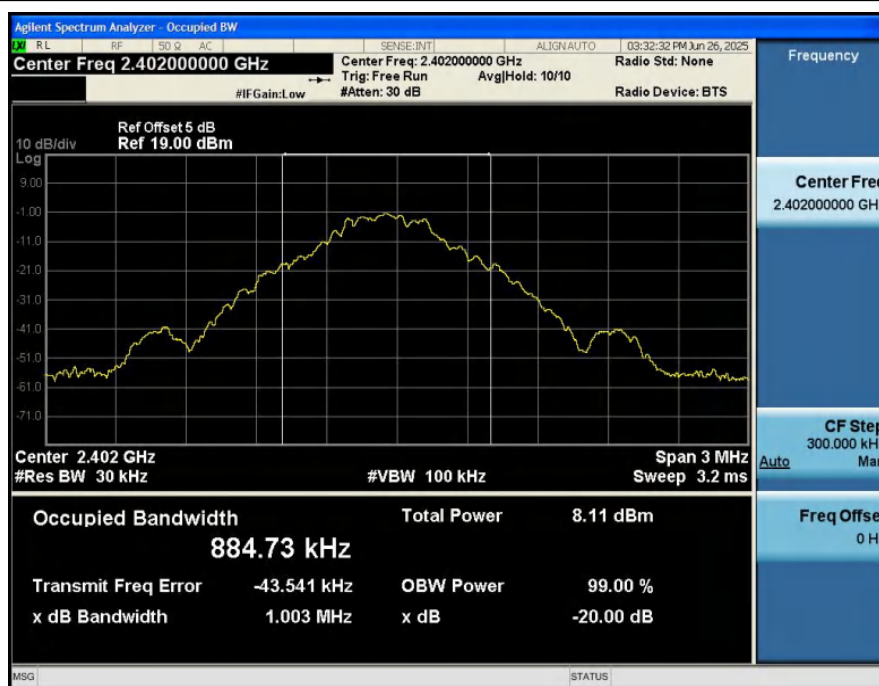
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

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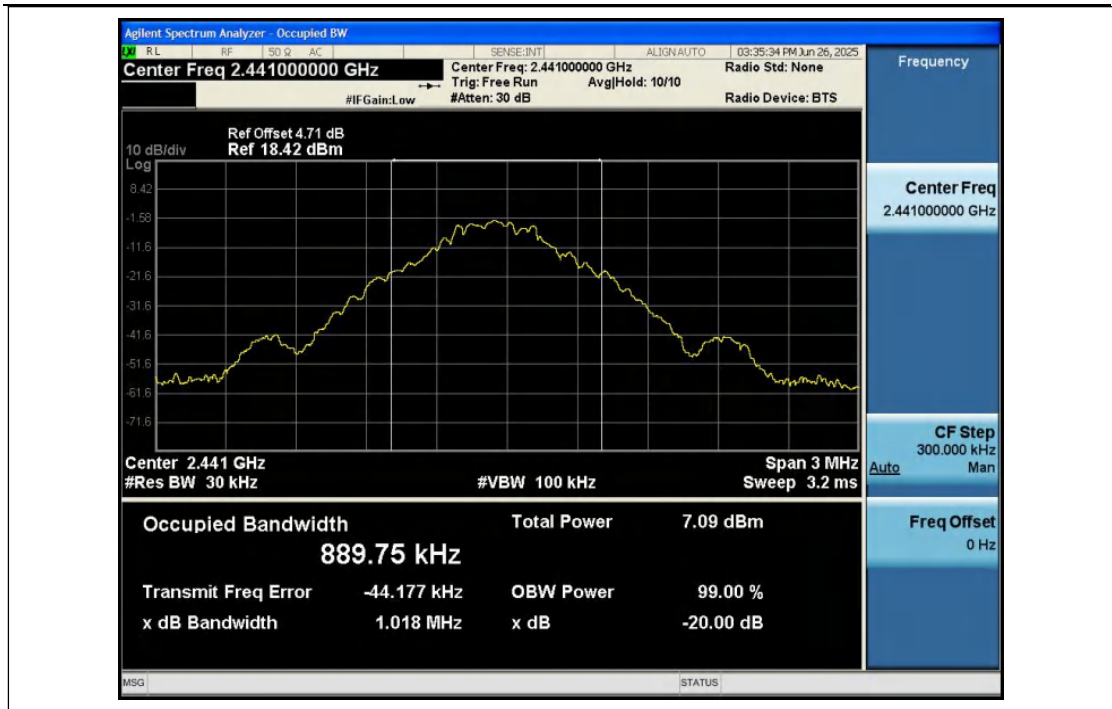
Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	1.003	Yes
NVNT	ANT1	1-DH5	2441.00	1.018	Yes
NVNT	ANT1	1-DH5	2480.00	0.996	No
NVNT	ANT1	2-DH5	2402.00	1.314	Yes
NVNT	ANT1	2-DH5	2441.00	1.288	Yes
NVNT	ANT1	2-DH5	2480.00	1.285	Yes
NVNT	ANT1	3-DH5	2402.00	1.295	Yes
NVNT	ANT1	3-DH5	2441.00	1.301	Yes
NVNT	ANT1	3-DH5	2480.00	1.303	Yes

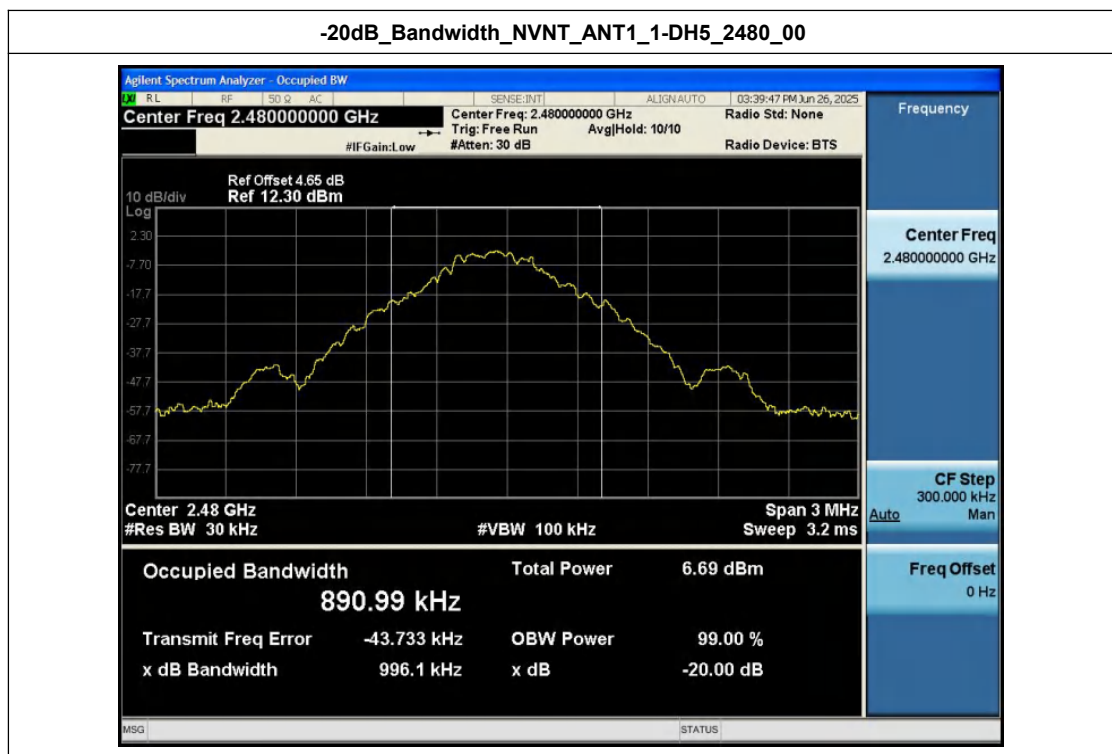
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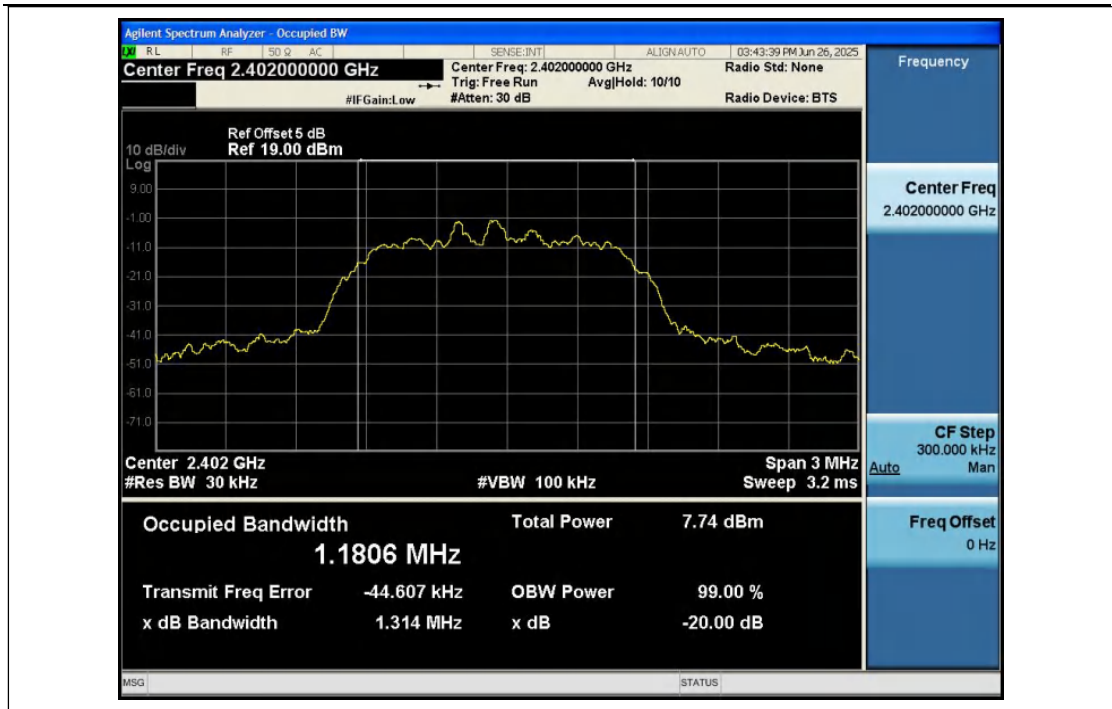
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



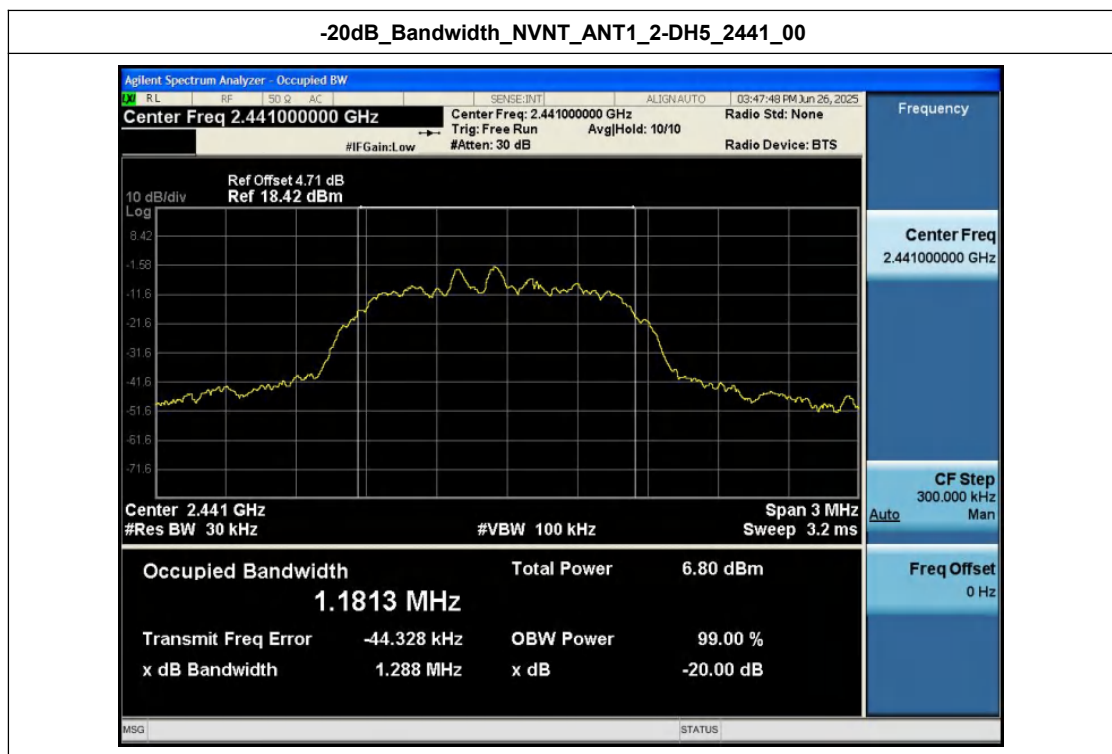
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00



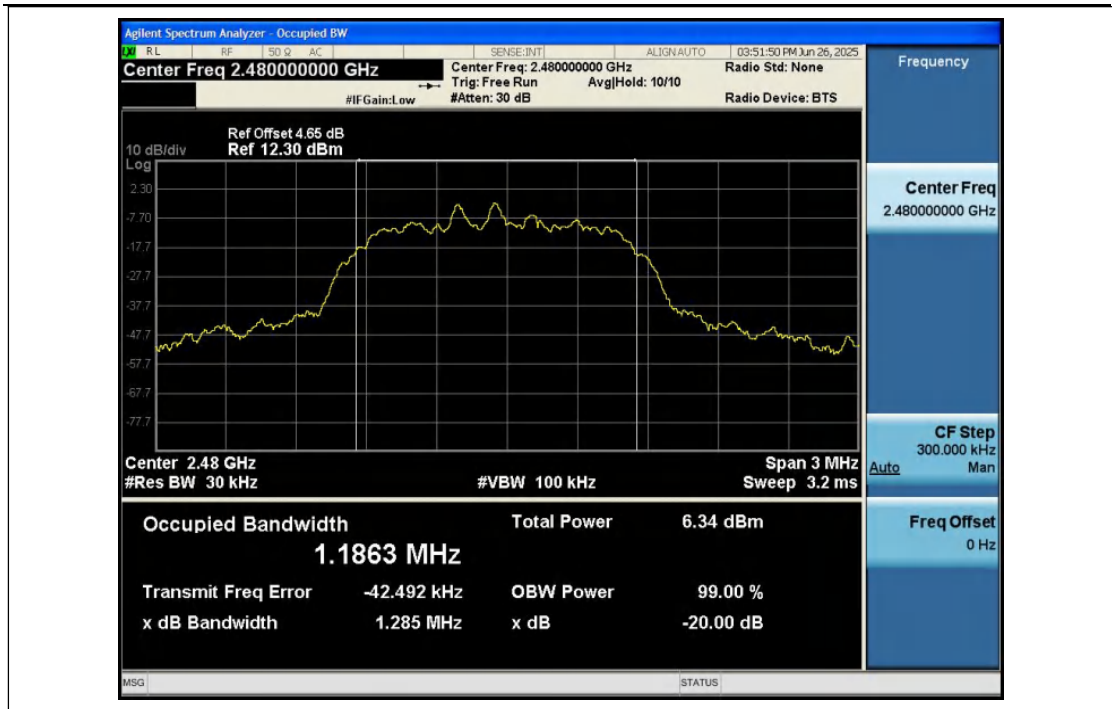
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



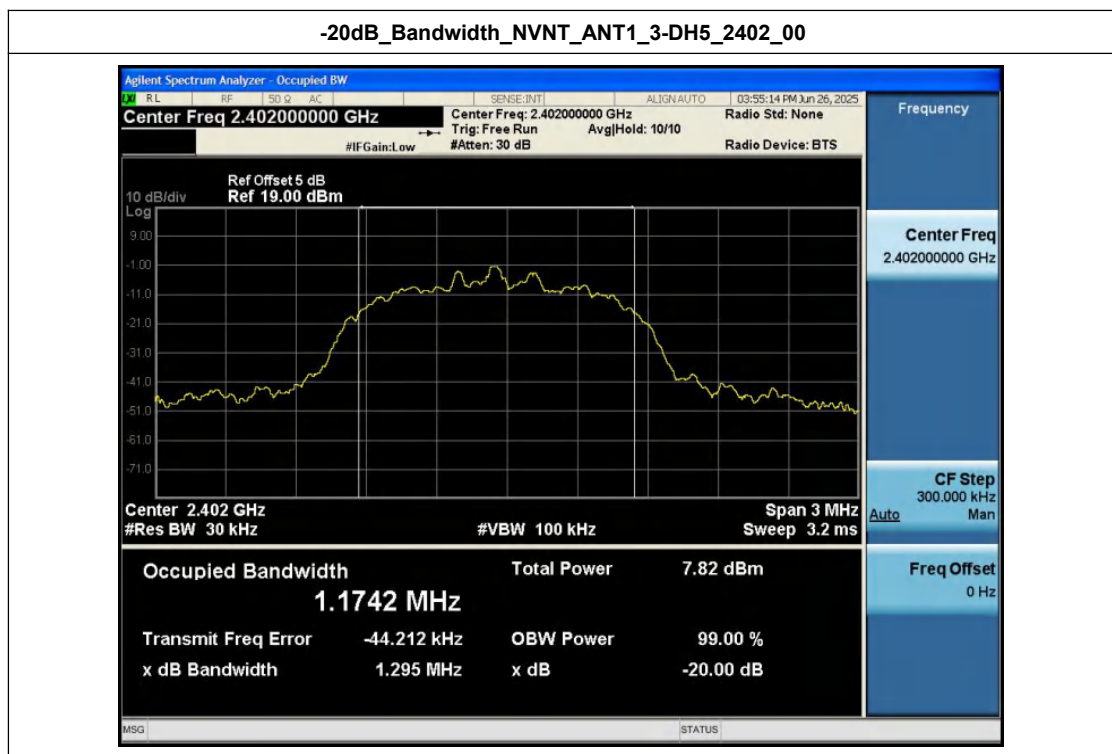
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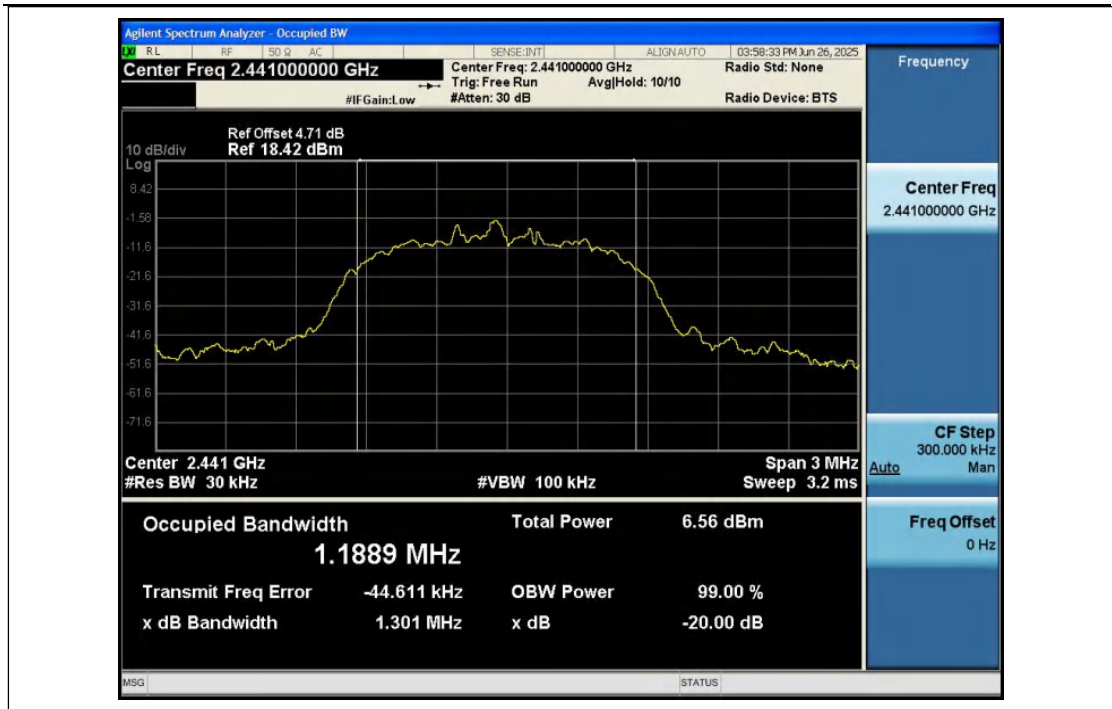
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



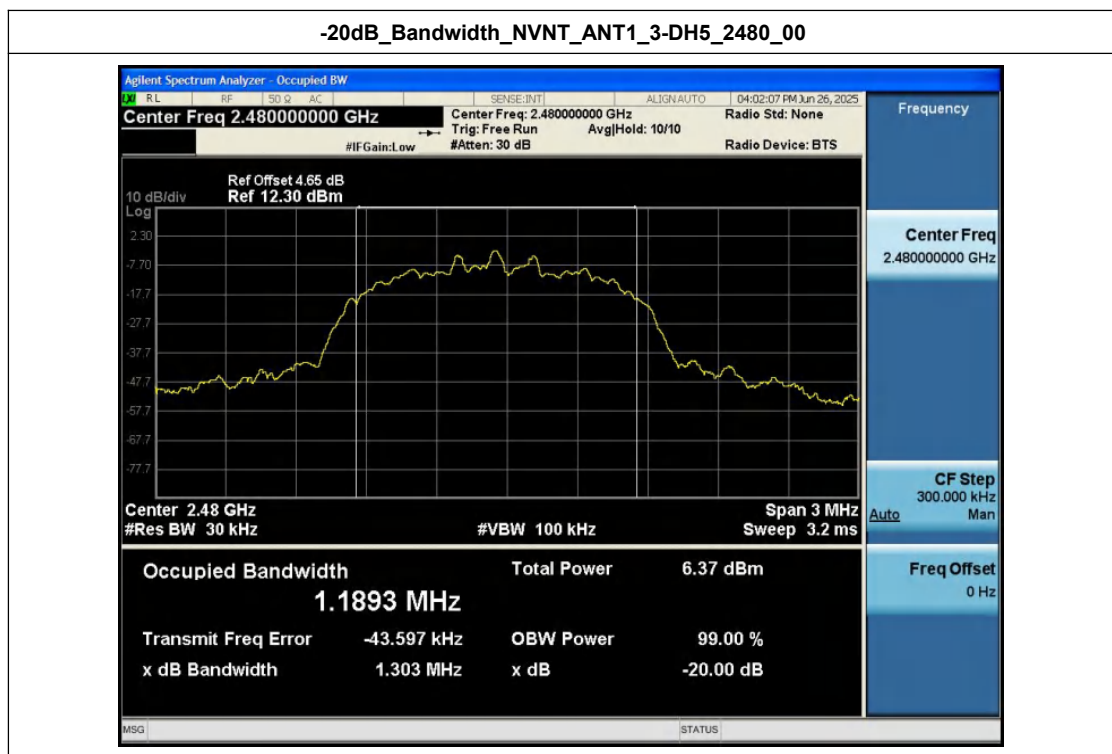
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00



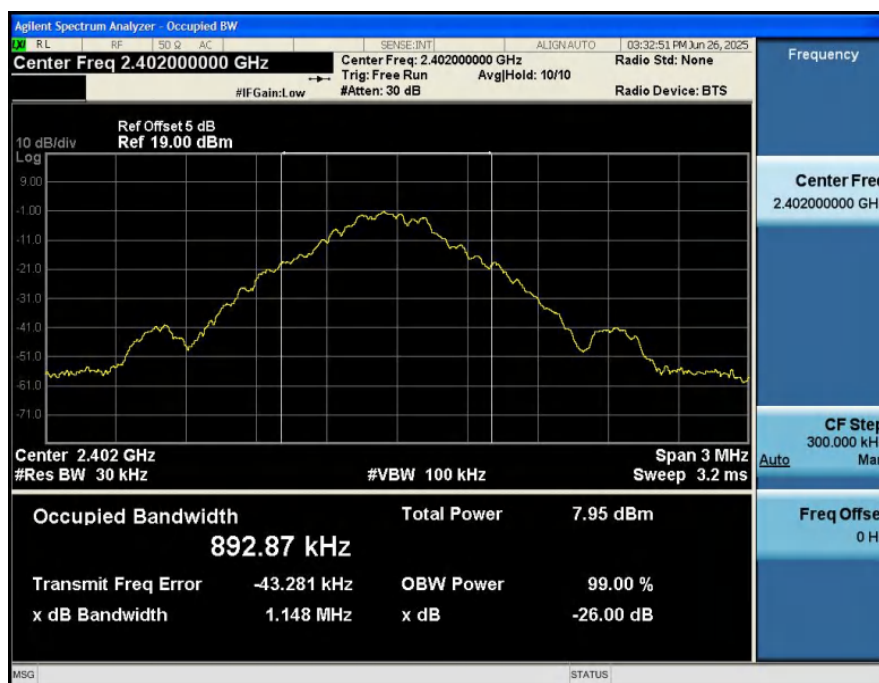
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00



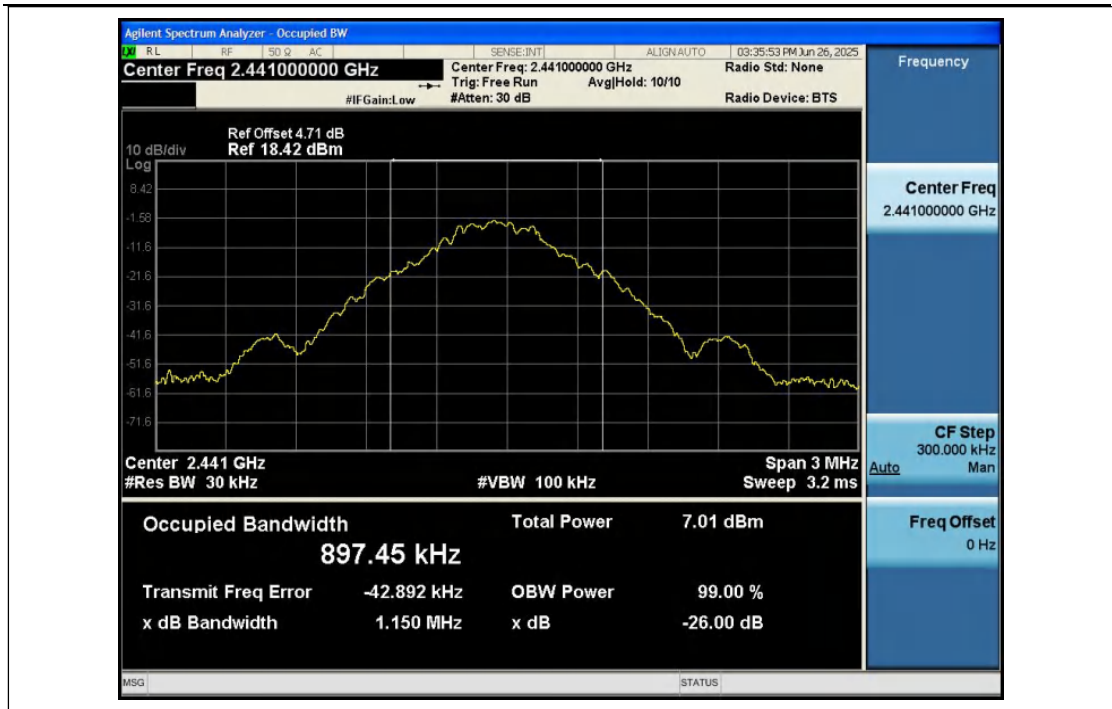
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.893
NVNT	ANT1	1-DH5	2441.00	0.897
NVNT	ANT1	1-DH5	2480.00	0.890
NVNT	ANT1	2-DH5	2402.00	1.180
NVNT	ANT1	2-DH5	2441.00	1.185
NVNT	ANT1	2-DH5	2480.00	1.190
NVNT	ANT1	3-DH5	2402.00	1.179
NVNT	ANT1	3-DH5	2441.00	1.182
NVNT	ANT1	3-DH5	2480.00	1.187

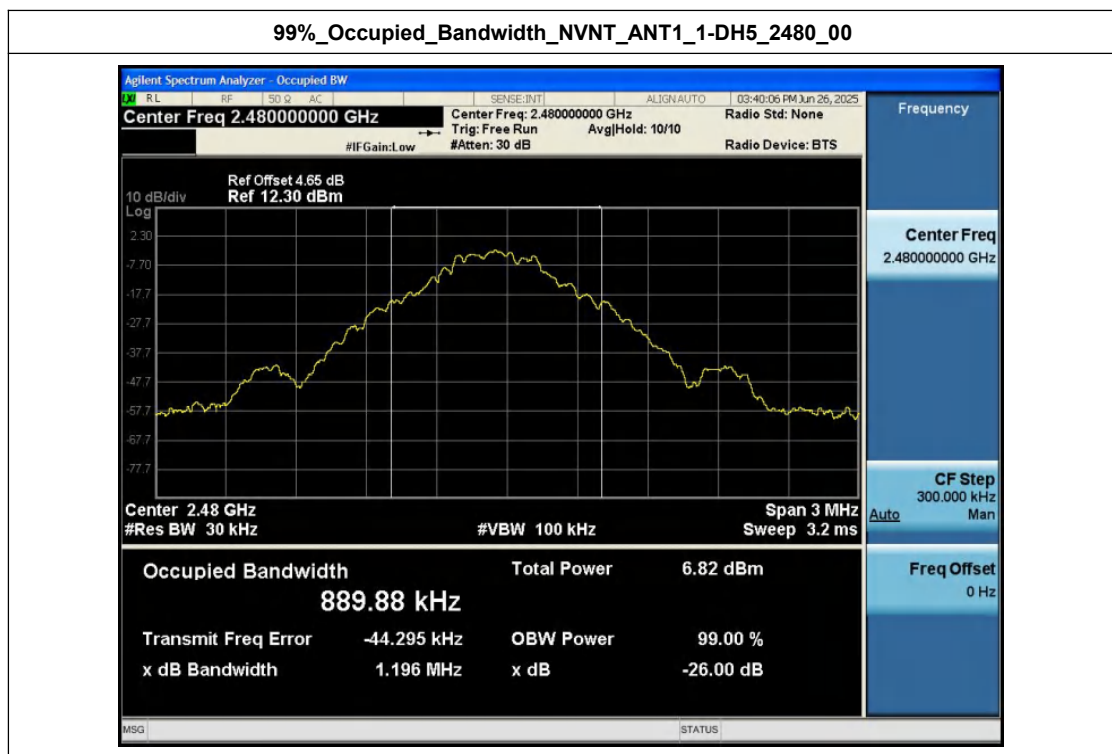
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00



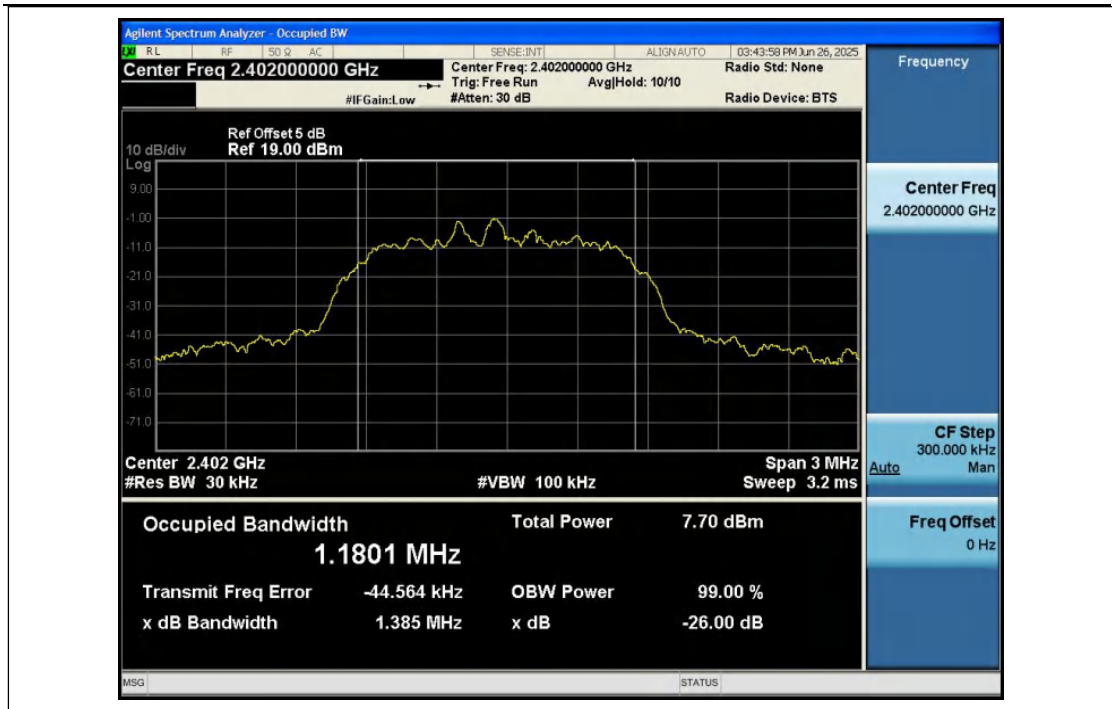
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



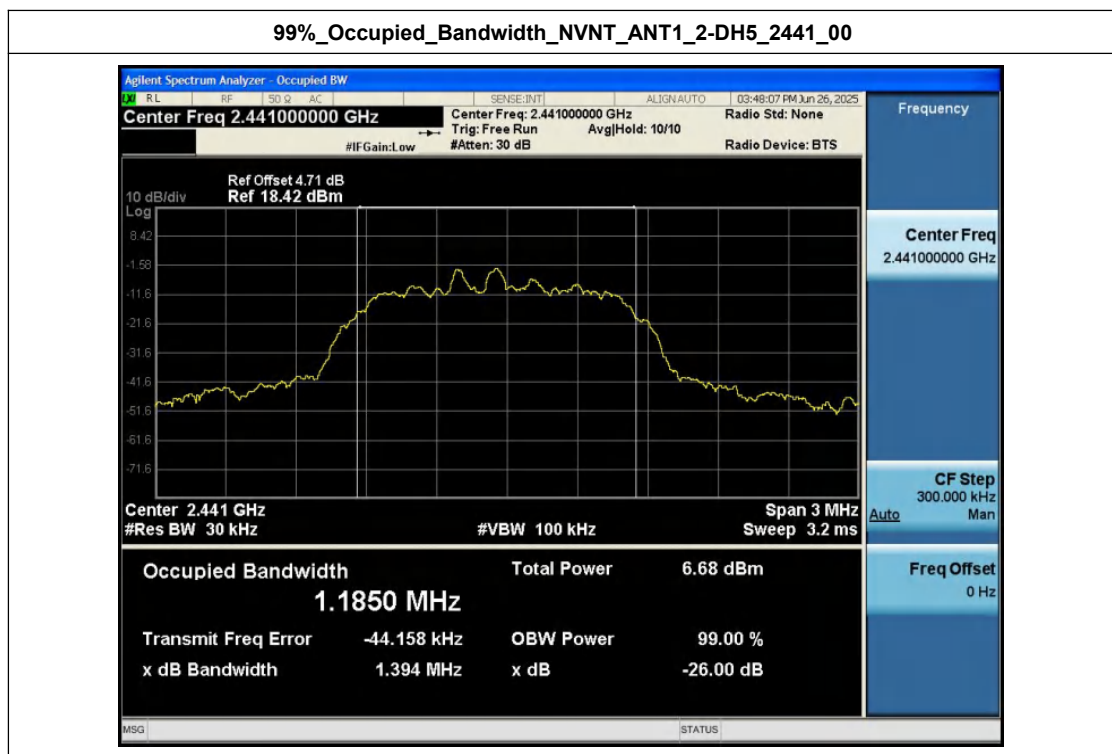
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



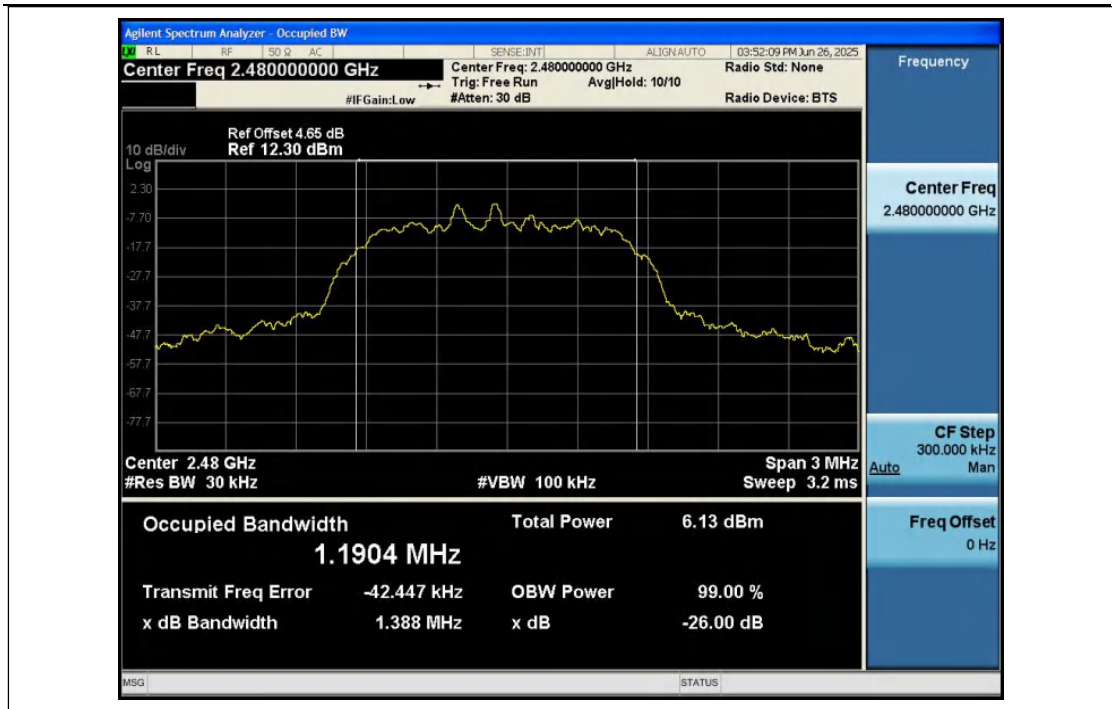
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



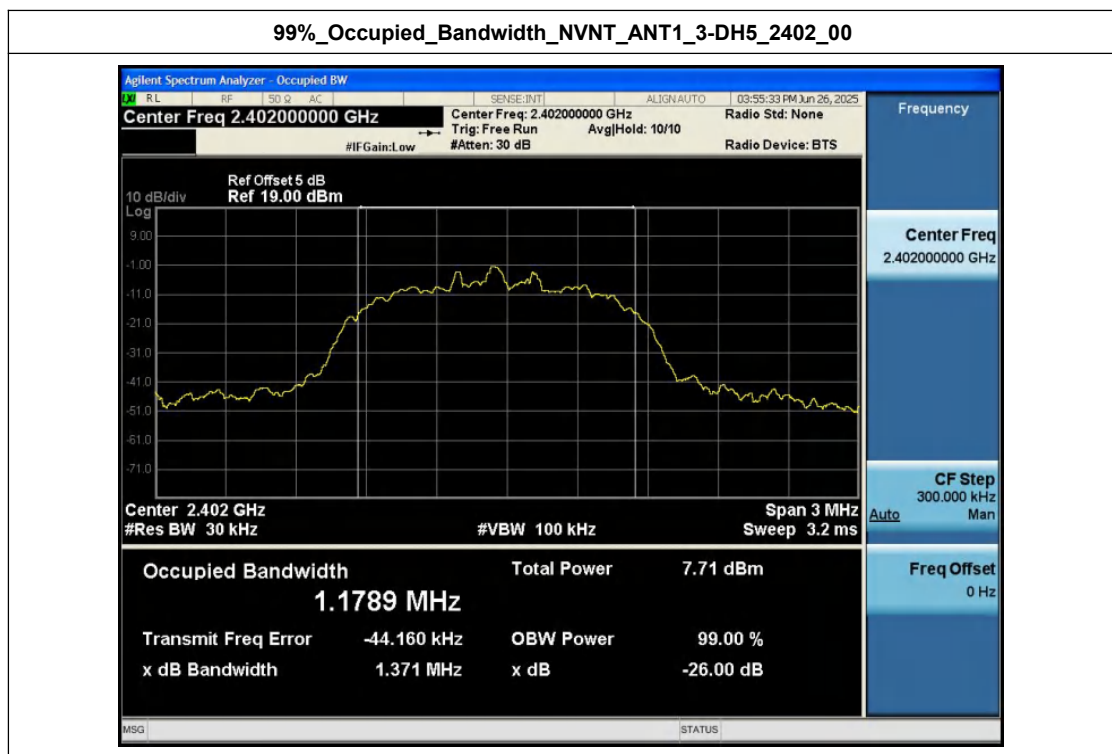
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00



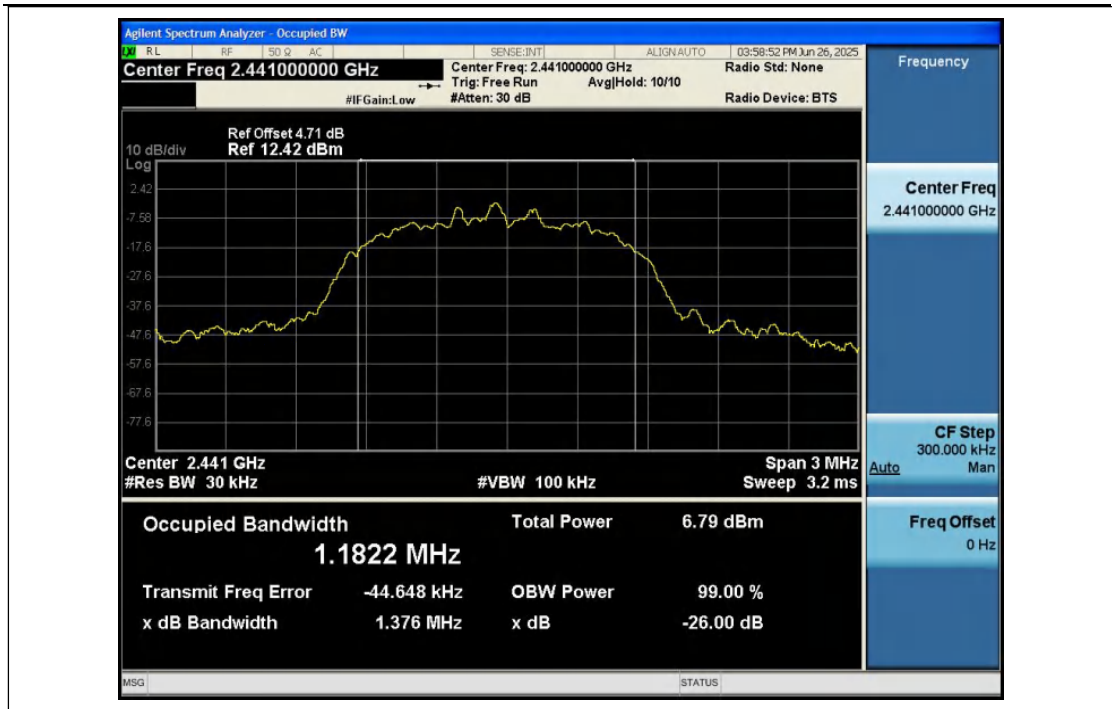
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



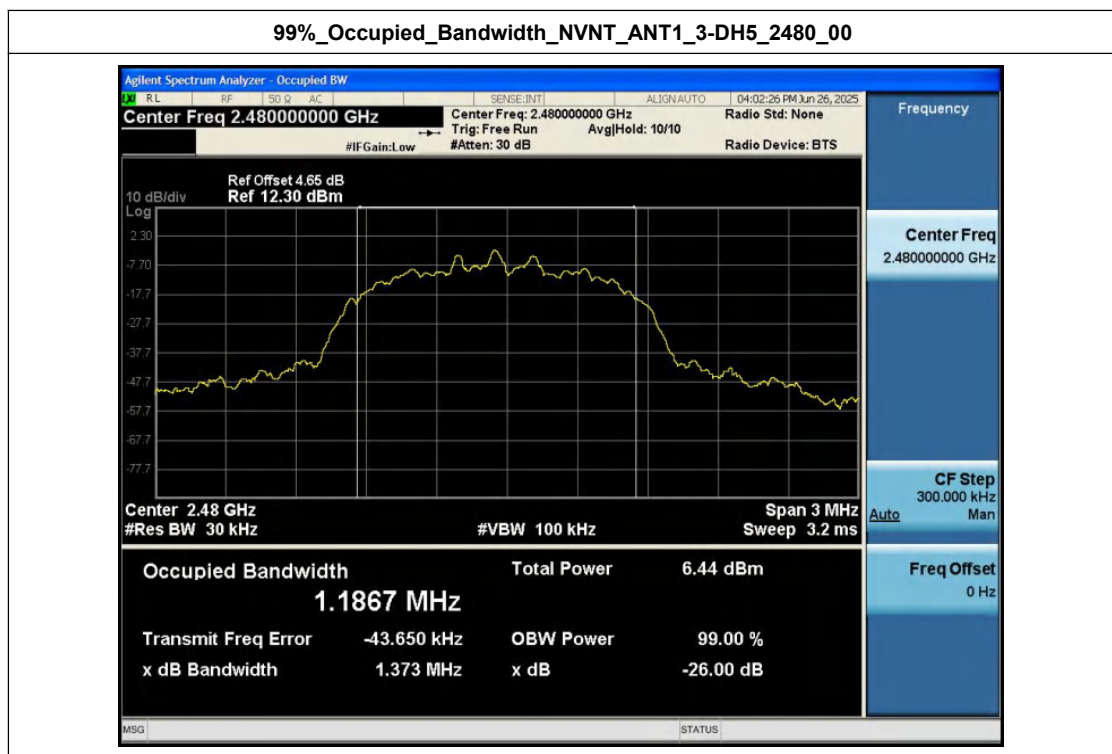
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00



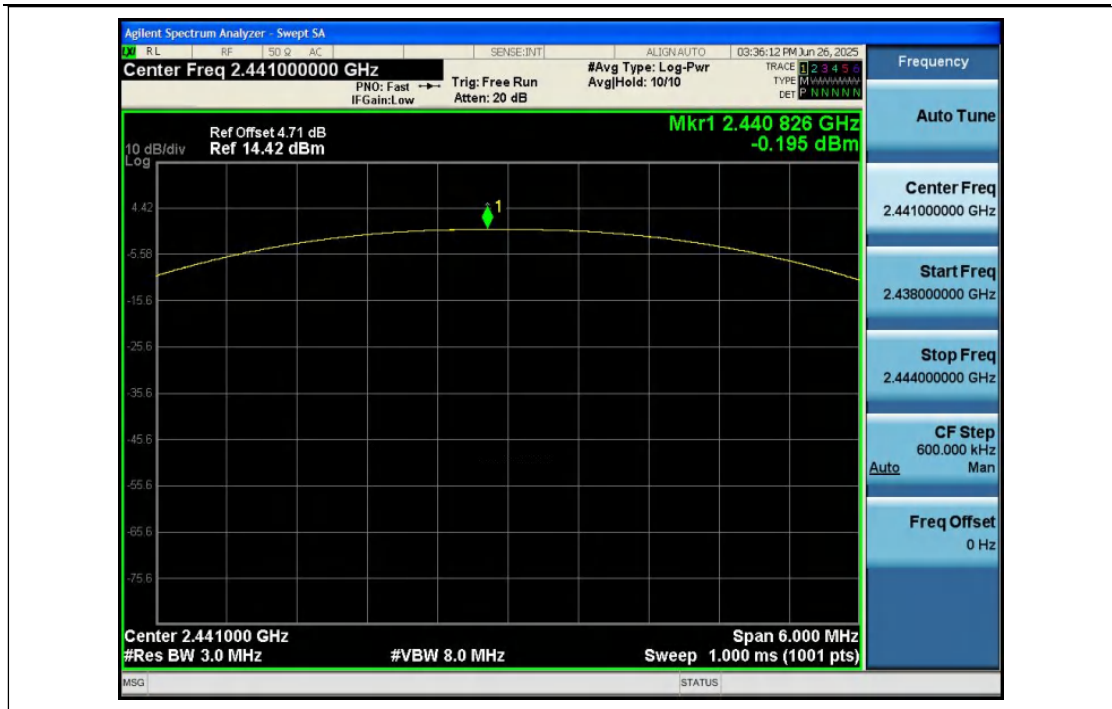
Appendix D: Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	0.98	1.25	125	Pass
NVNT	ANT1	1-DH5	2441.00	-0.20	0.96	125	Pass
NVNT	ANT1	1-DH5	2480.00	-0.71	0.85	125	Pass
NVNT	ANT1	2-DH5	2402.00	1.88	1.54	125	Pass
NVNT	ANT1	2-DH5	2441.00	0.93	1.24	125	Pass
NVNT	ANT1	2-DH5	2480.00	0.47	1.11	125	Pass
NVNT	ANT1	3-DH5	2402.00	2.27	1.69	125	Pass
NVNT	ANT1	3-DH5	2441.00	1.33	1.36	125	Pass
NVNT	ANT1	3-DH5	2480.00	0.92	1.23	125	Pass

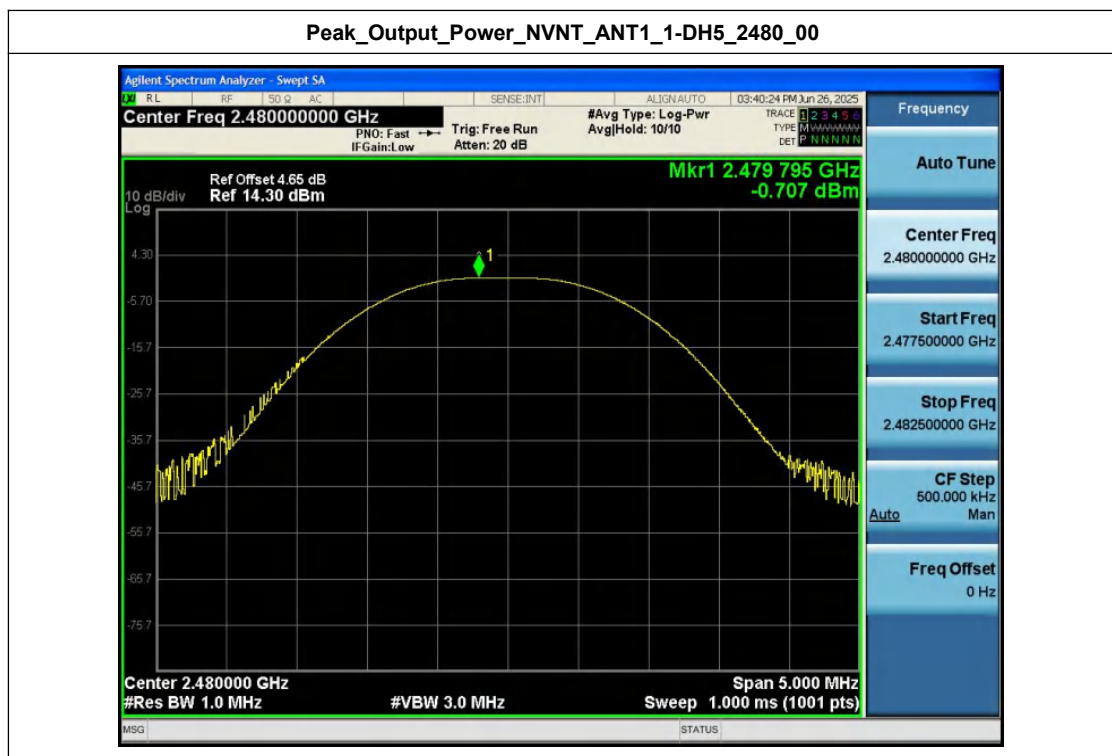
Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



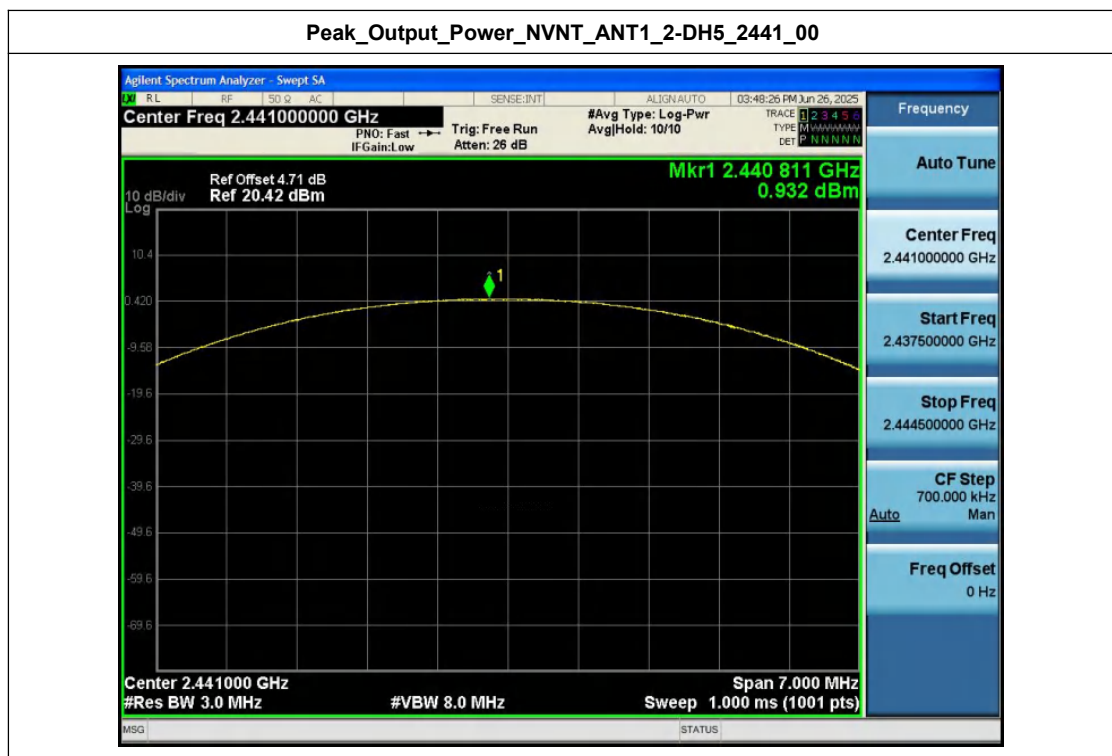
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



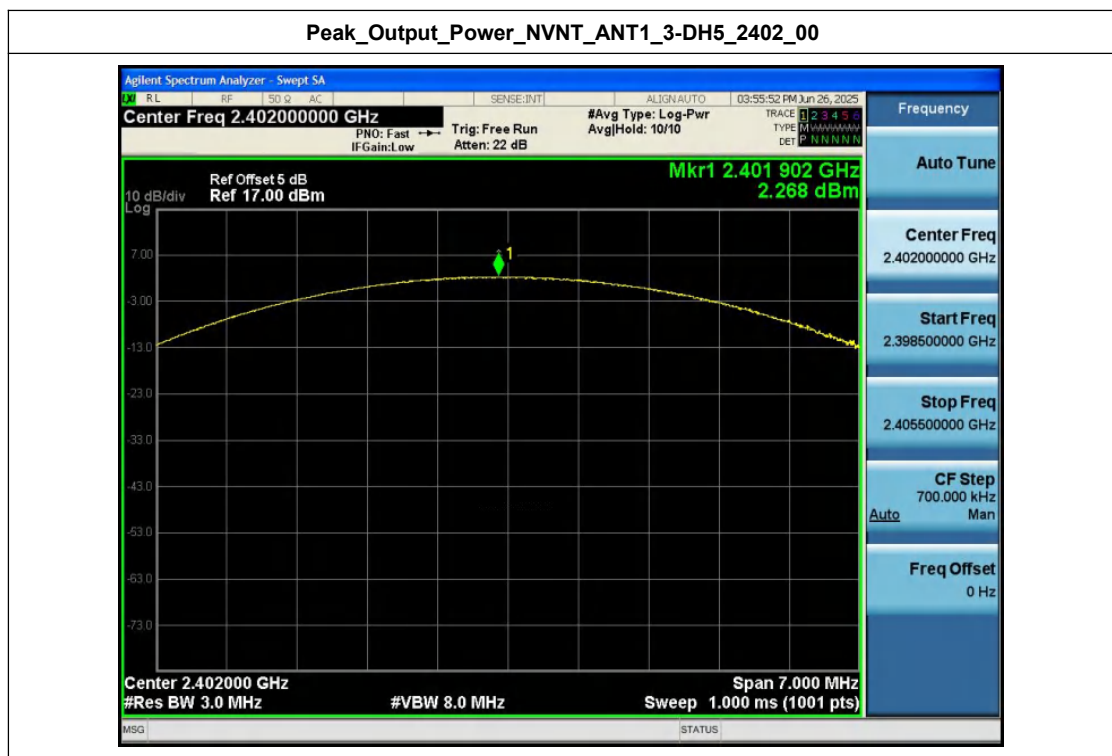
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



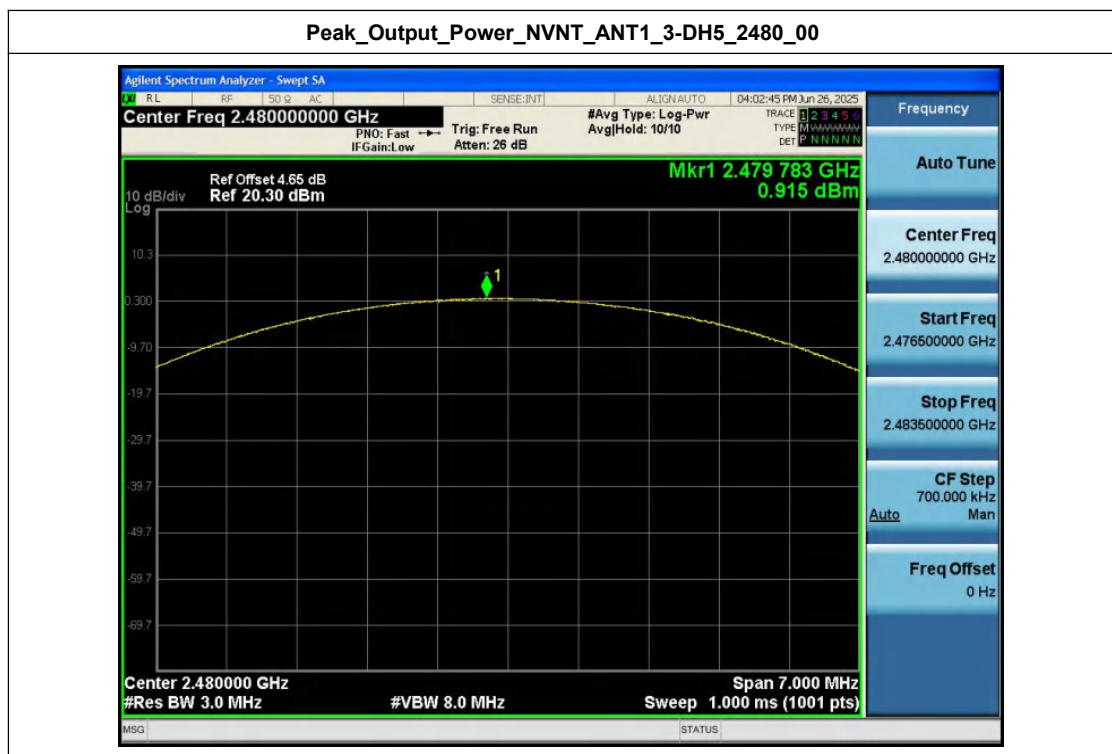
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



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Appendix E: Spurious Emissions

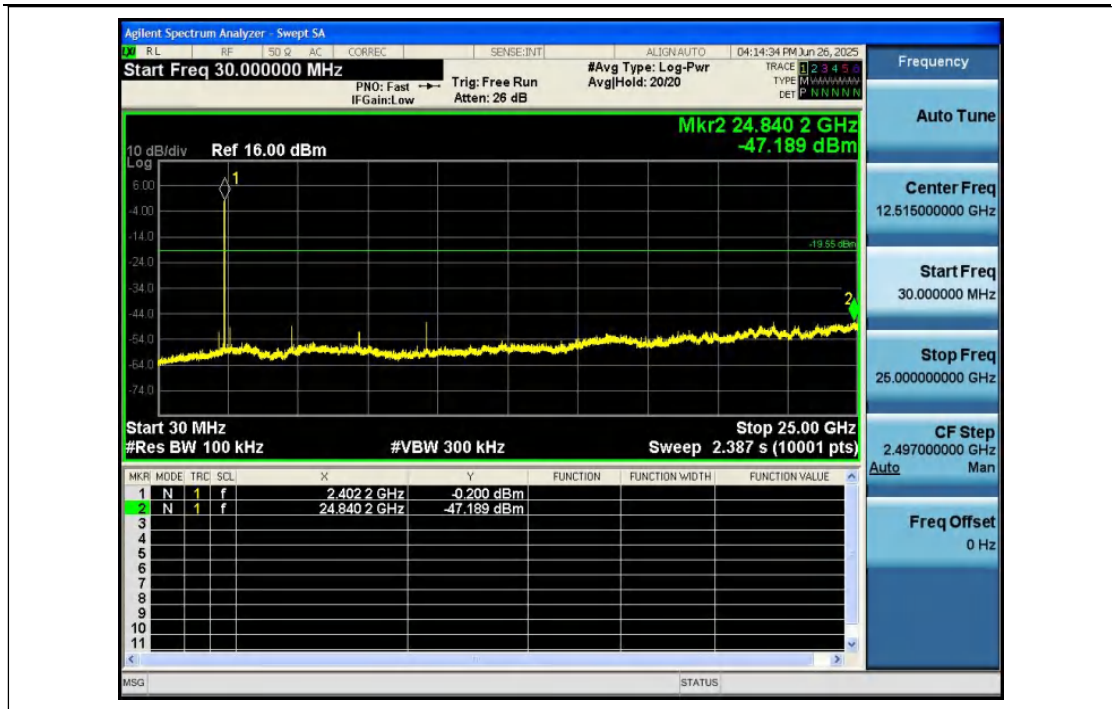
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	0.450	-47.189	-19.550	Pass
NVNT	ANT1	1-DH5	2441.00	-0.627	-36.907	-20.627	Pass
NVNT	ANT1	1-DH5	2480.00	-1.238	-36.635	-21.238	Pass
NVNT	ANT1	2-DH5	2402.00	-0.159	-45.015	-20.159	Pass
NVNT	ANT1	2-DH5	2441.00	-0.865	-45.211	-20.865	Pass
NVNT	ANT1	2-DH5	2480.00	-1.060	-44.799	-21.060	Pass
NVNT	ANT1	3-DH5	2402.00	0.032	-46.837	-19.968	Pass
NVNT	ANT1	3-DH5	2441.00	-0.768	-44.741	-20.768	Pass
NVNT	ANT1	3-DH5	2480.00	-1.497	-45.223	-21.497	Pass

Note: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

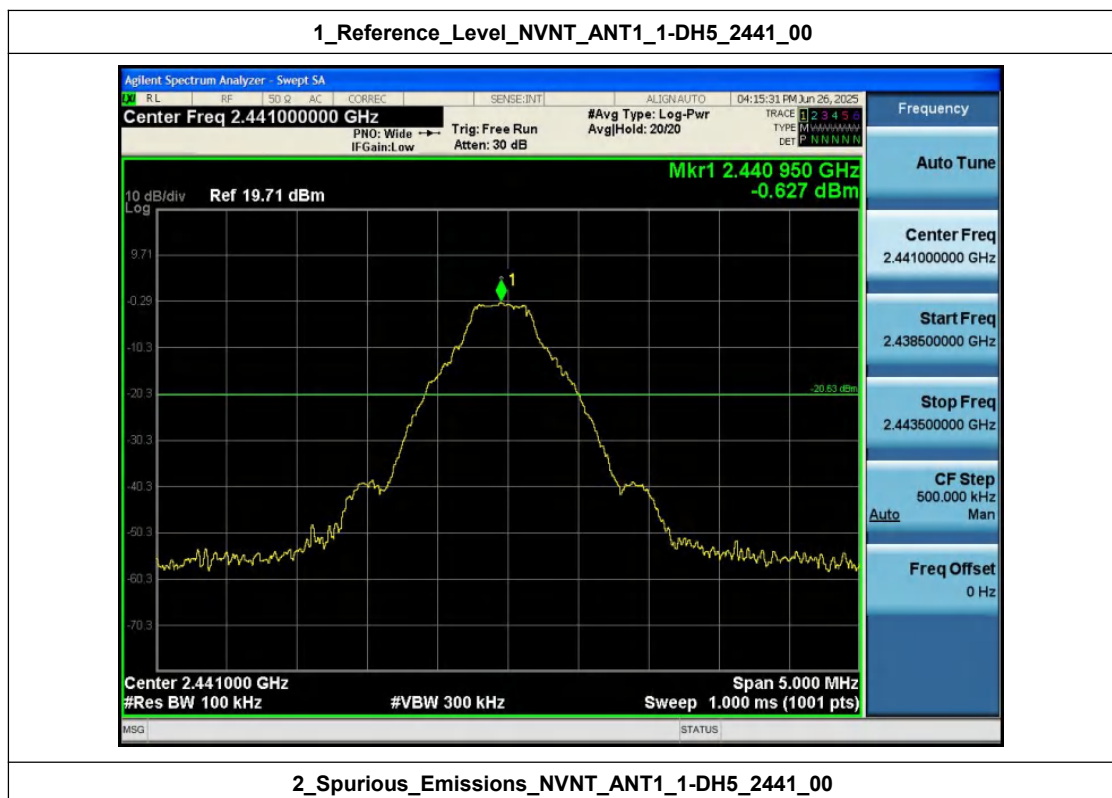
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



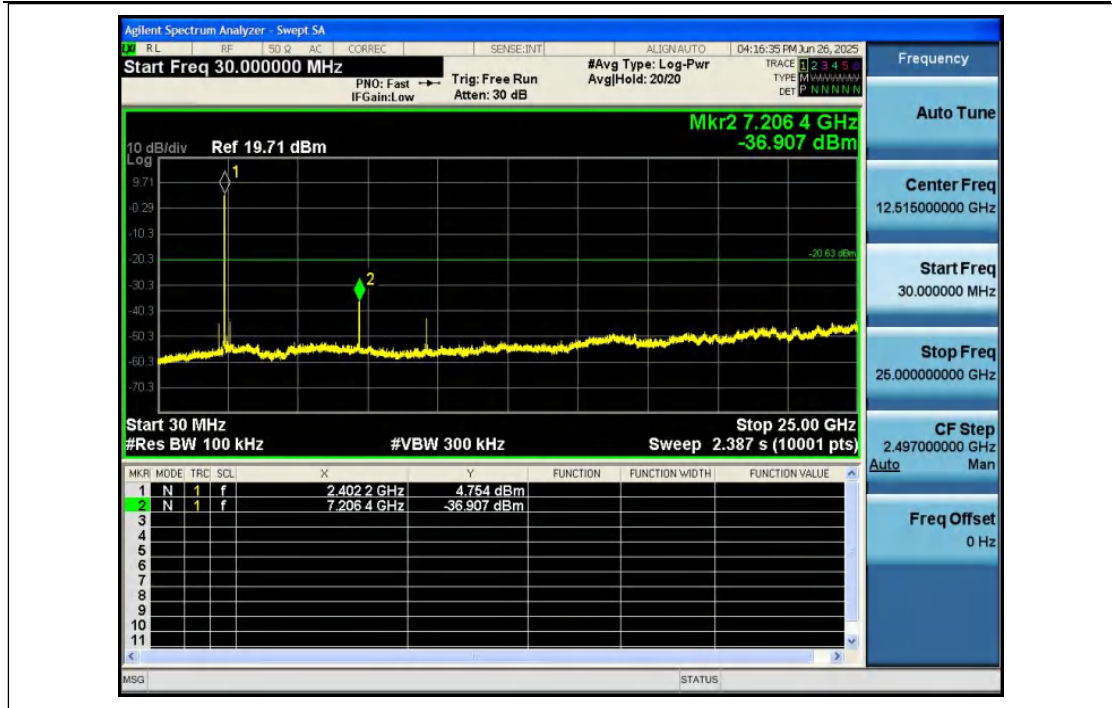
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



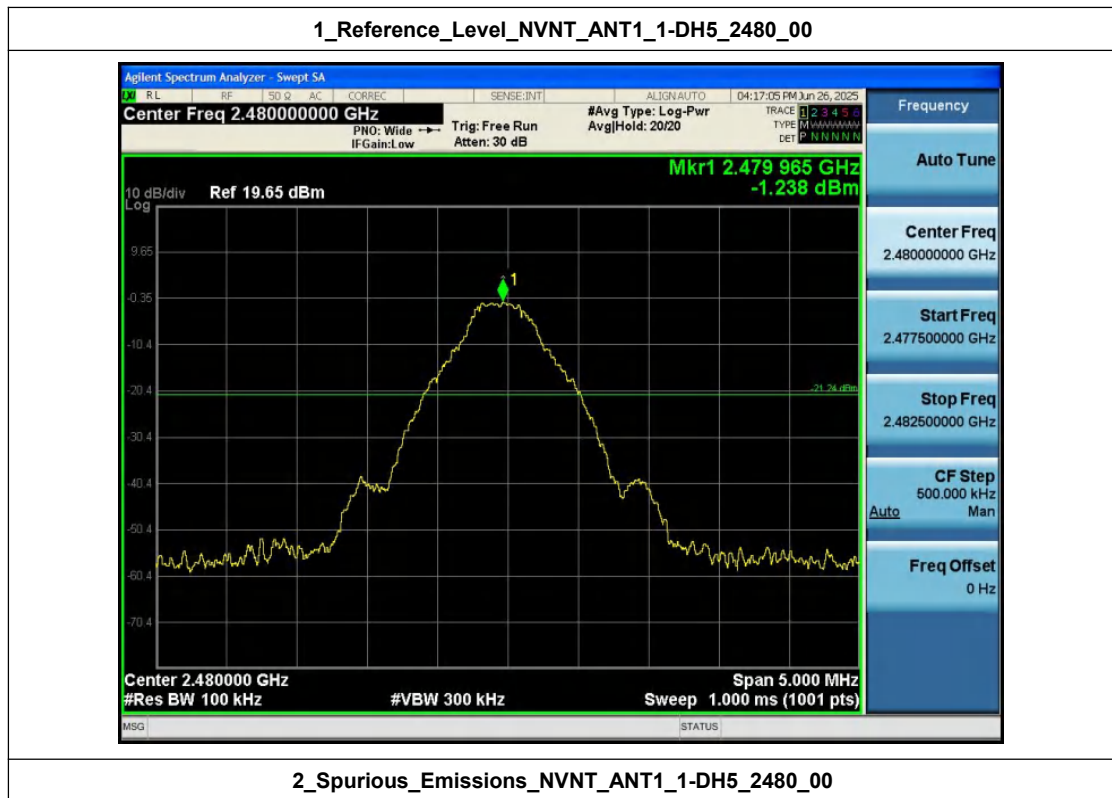
1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



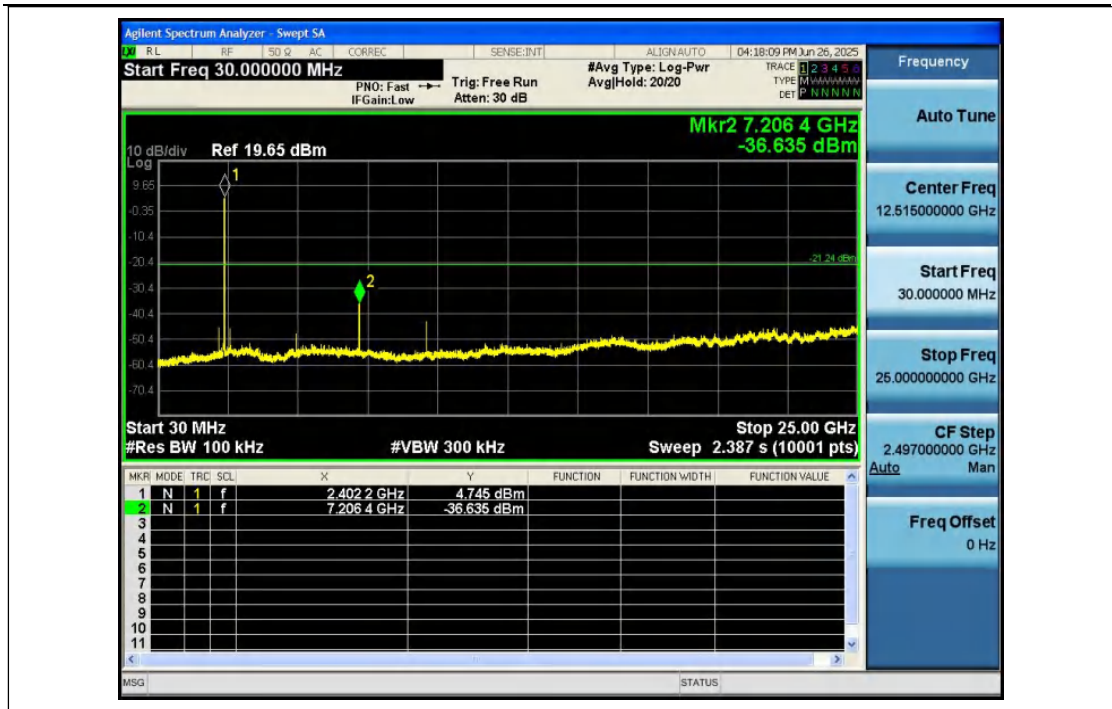
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00



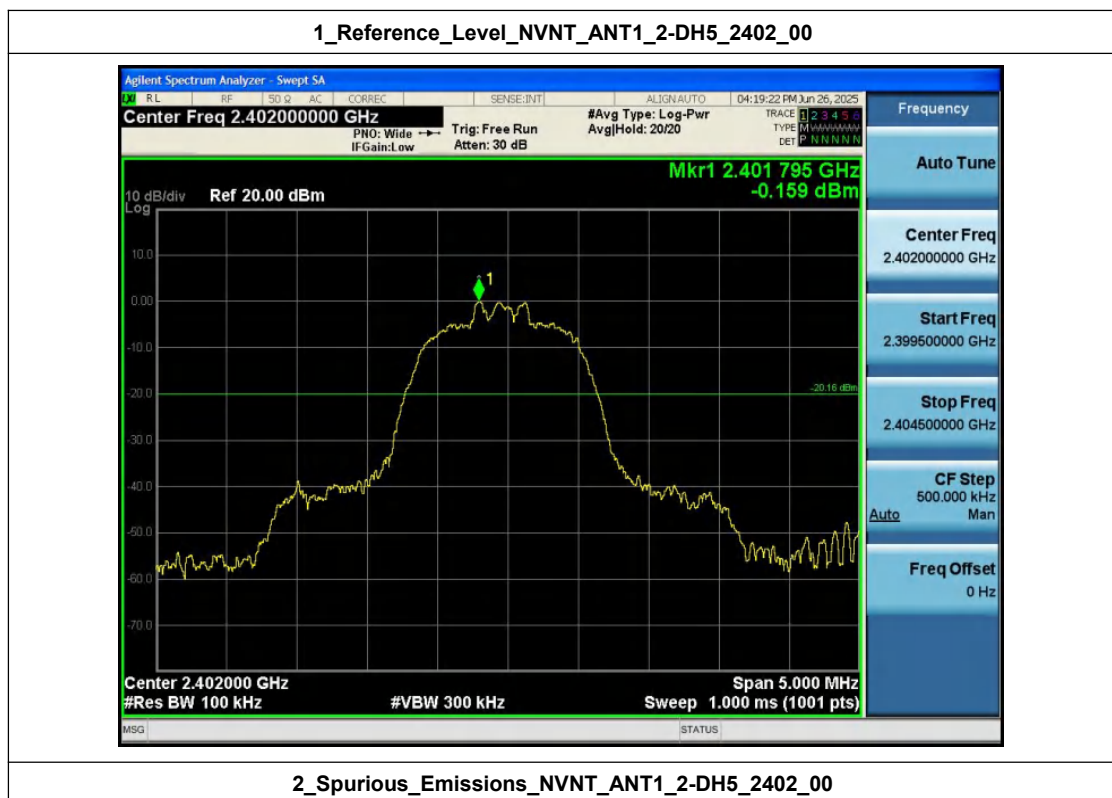
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



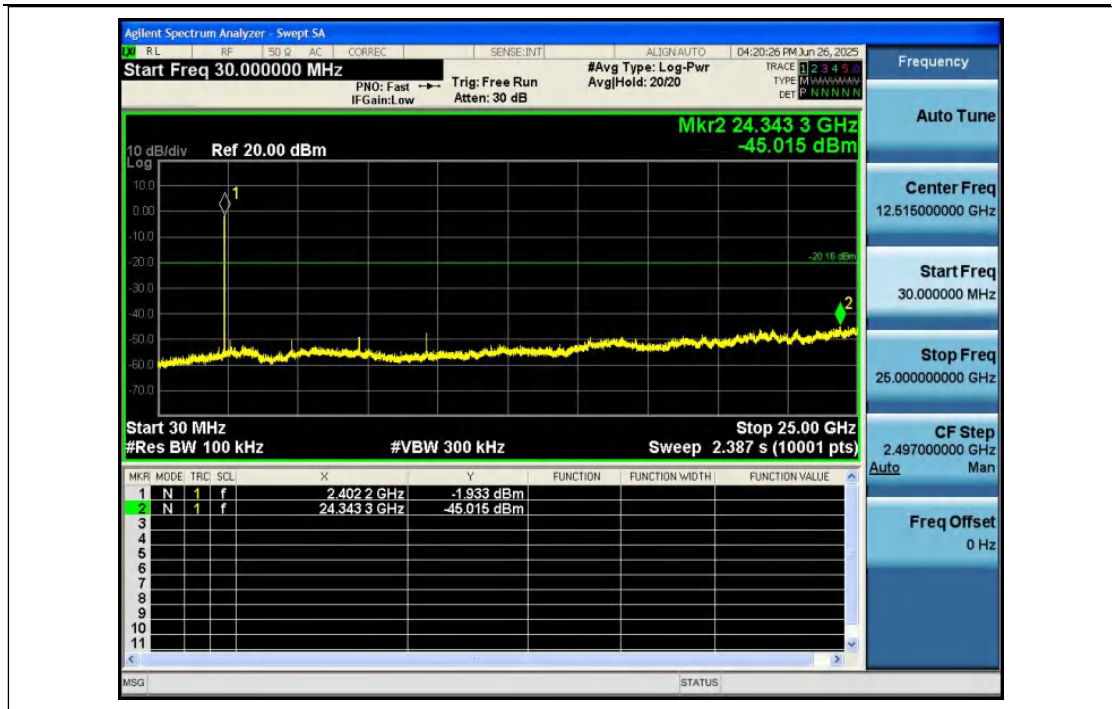
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



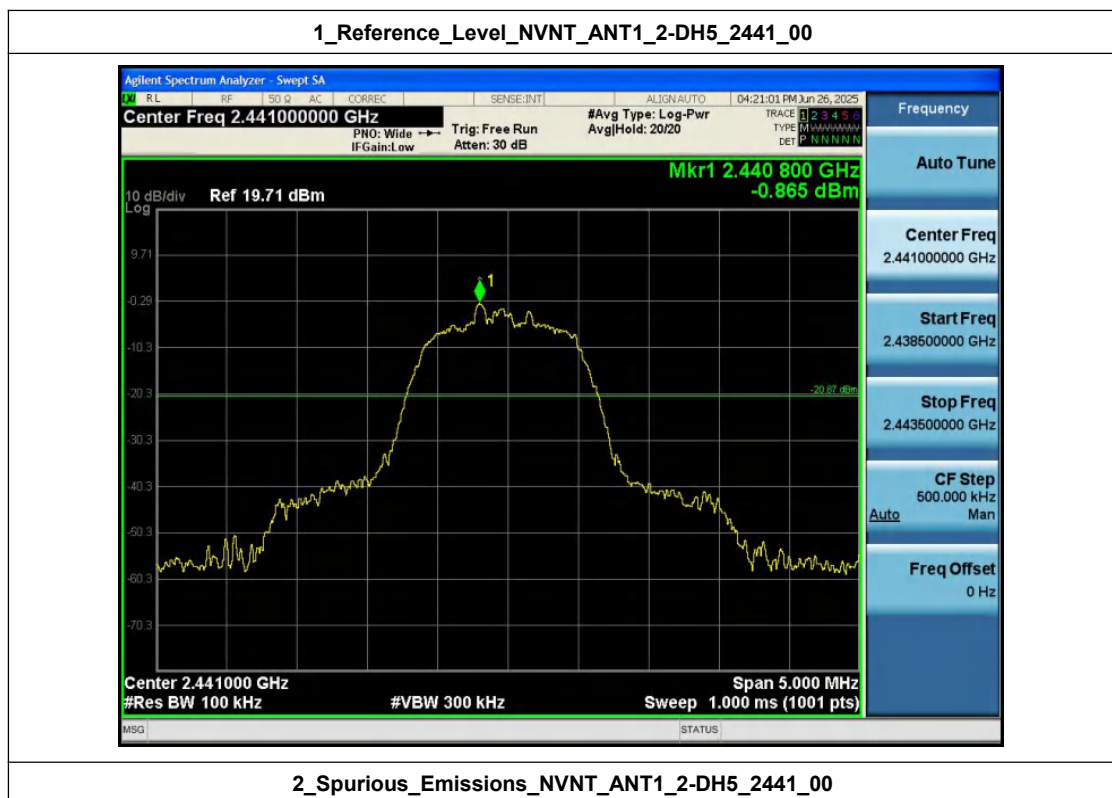
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



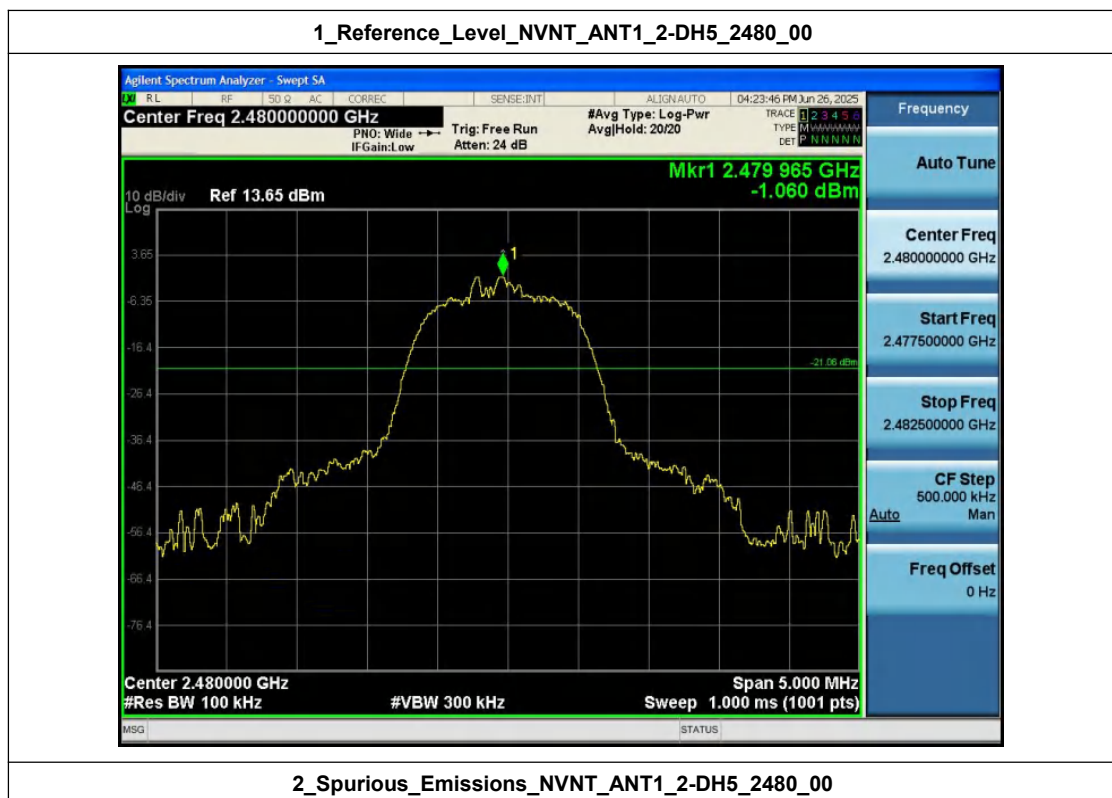
1_Reference_Level_NVNT_ANT1_2-DH5_2441_00



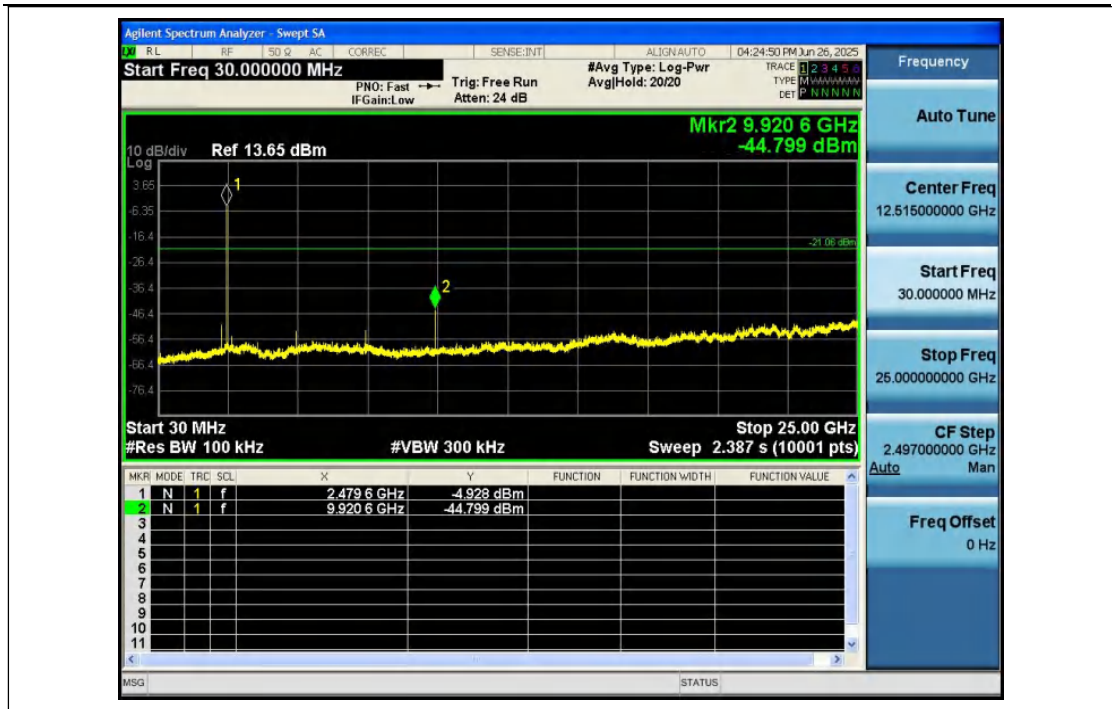
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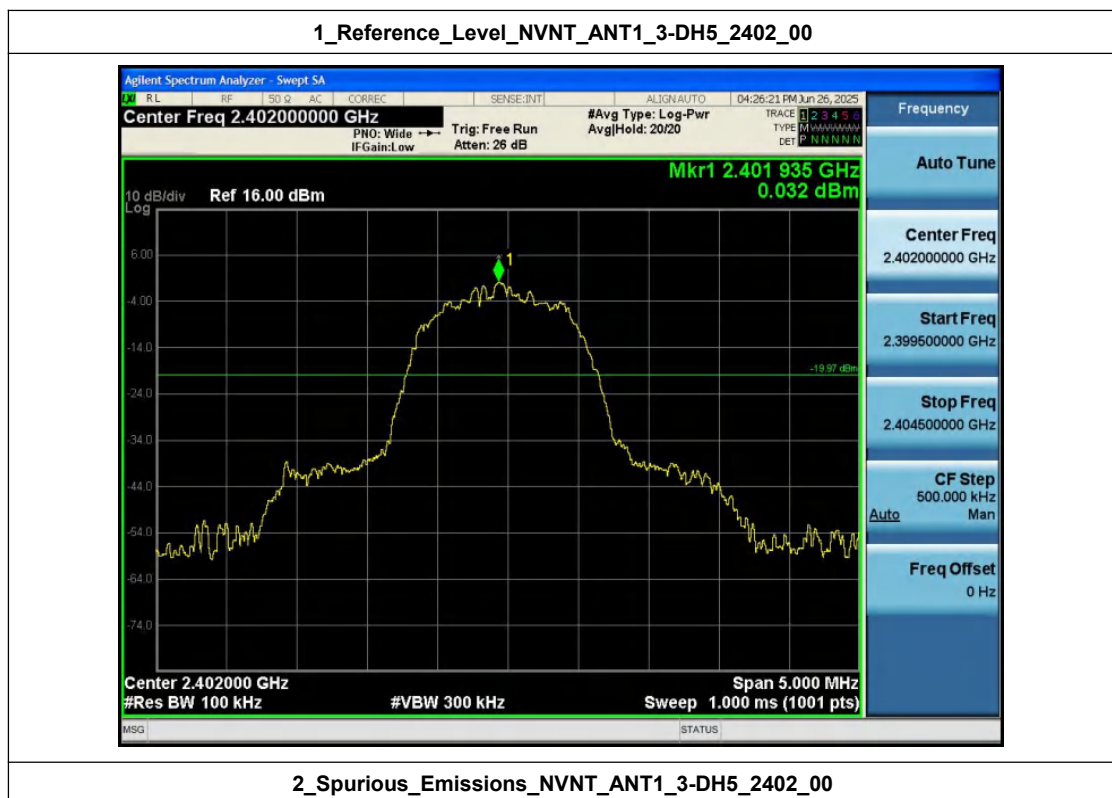
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



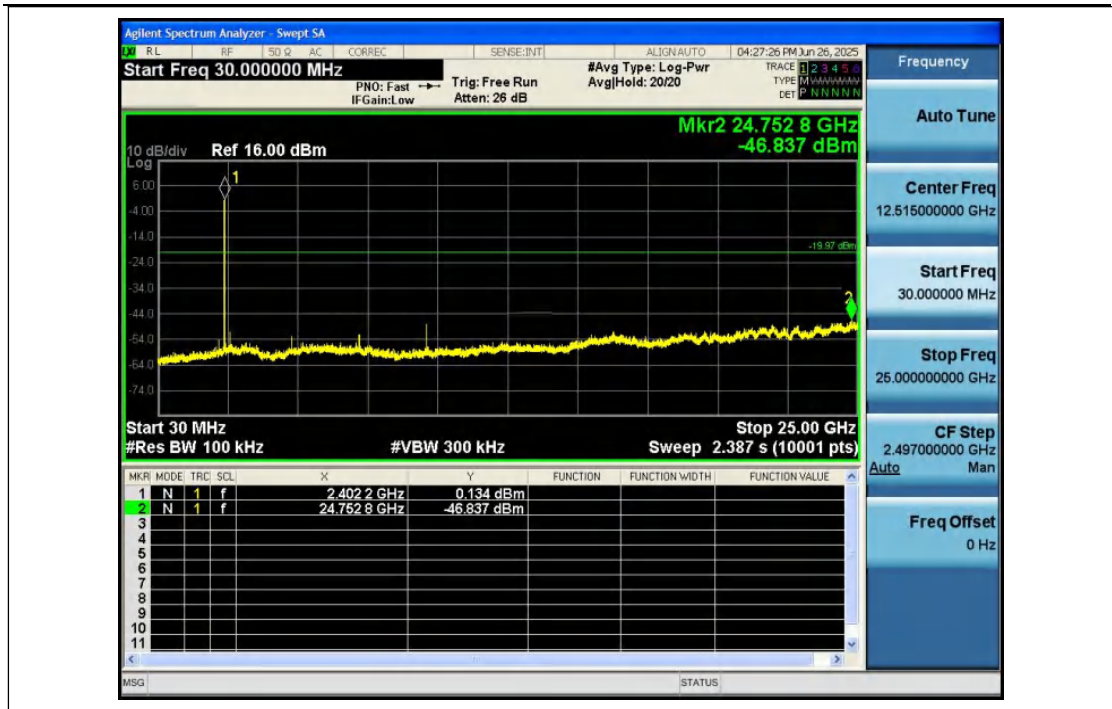
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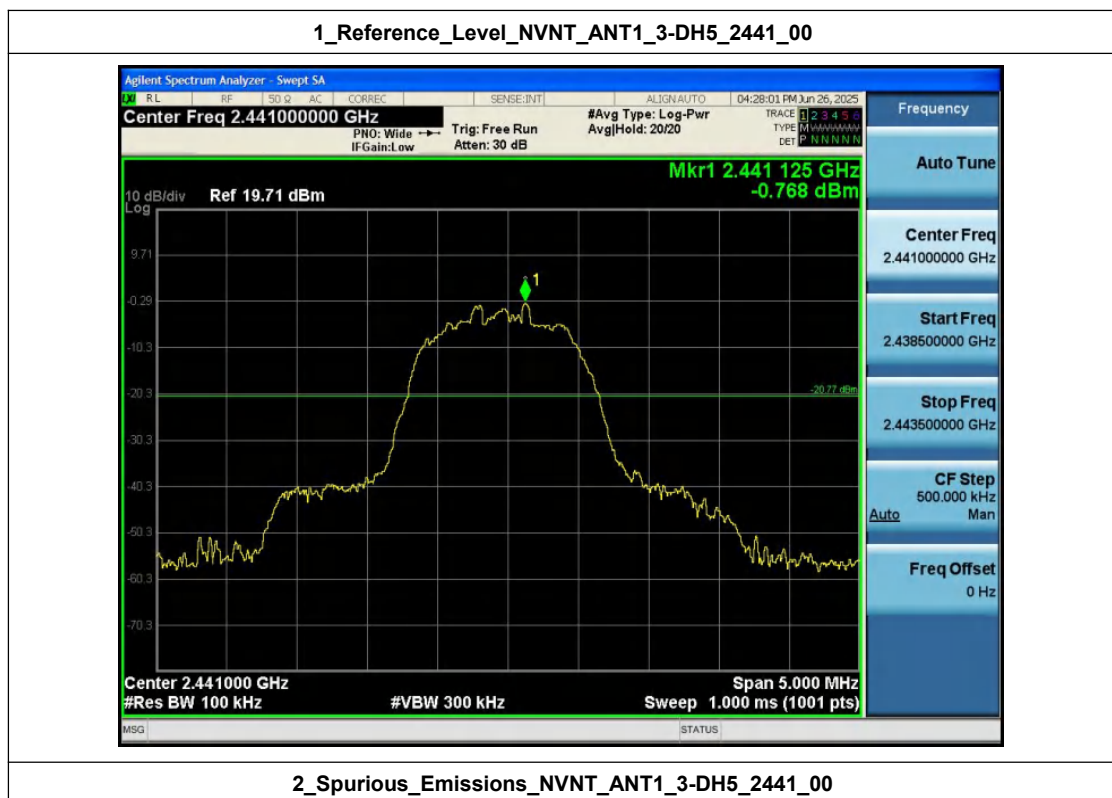
1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



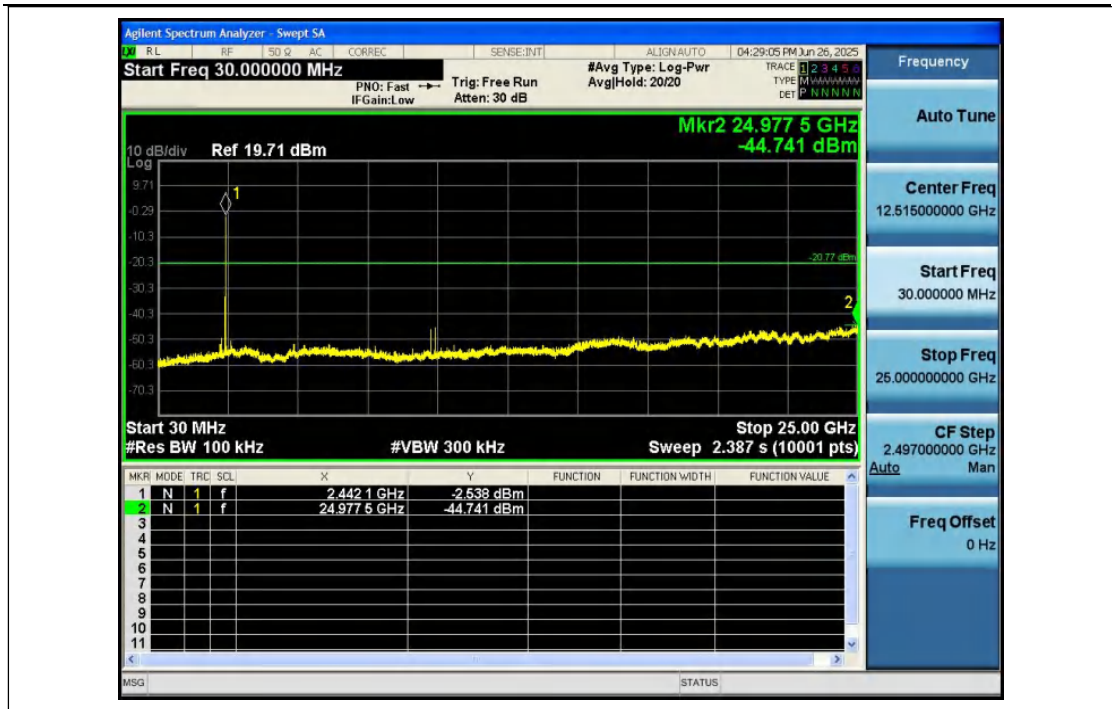
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00



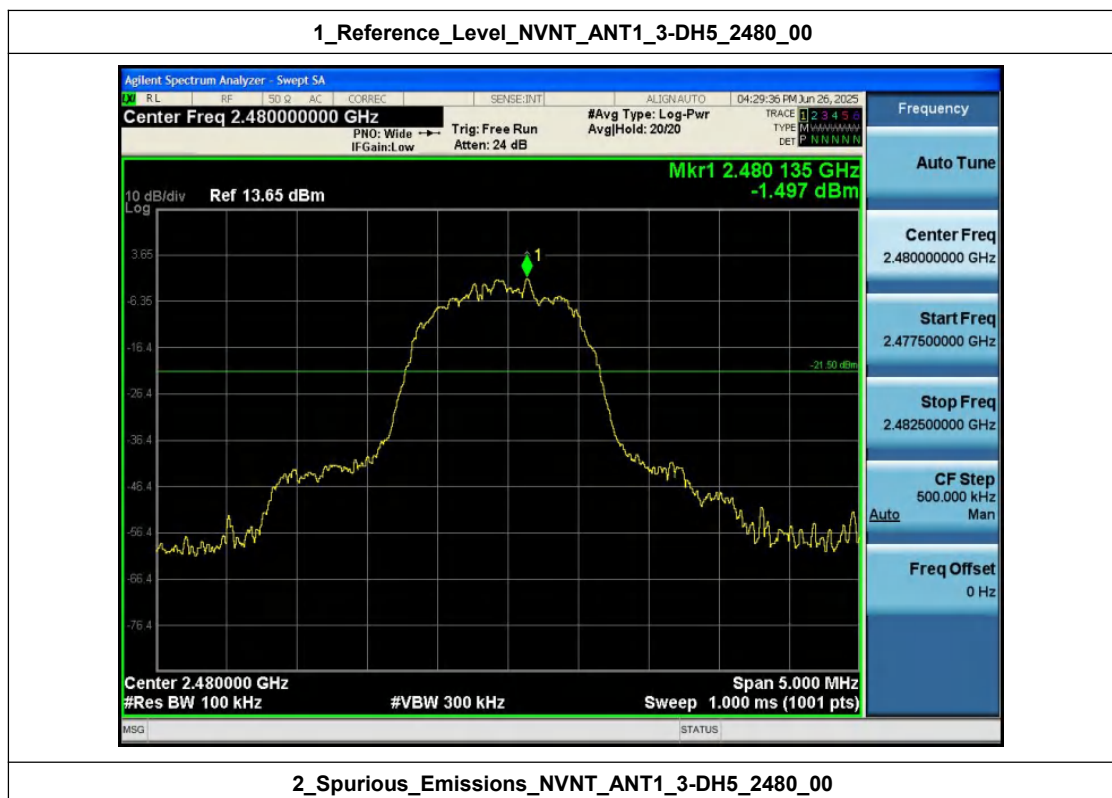
1_Reference_Level_NVNT_ANT1_3-DH5_2441_00



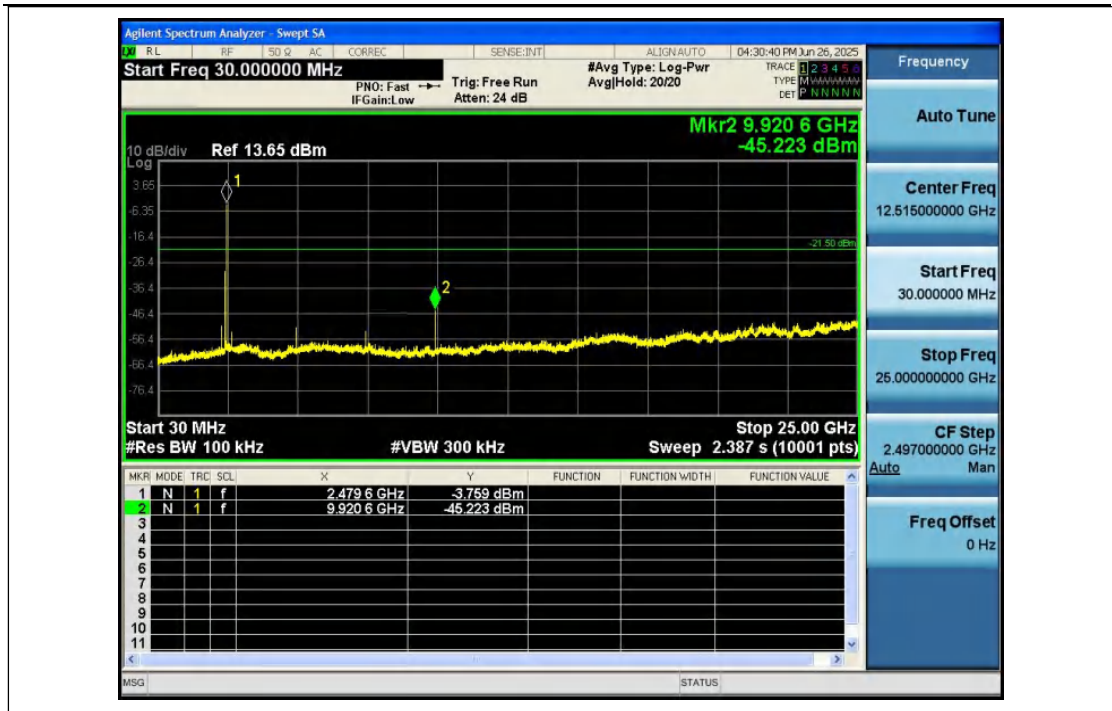
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00



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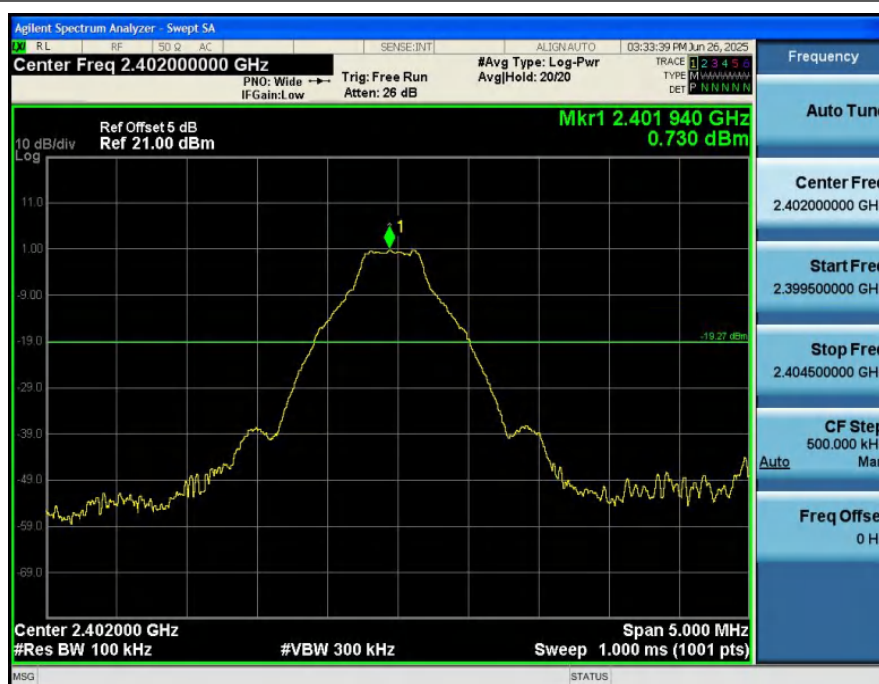
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Appendix F: Bandedge

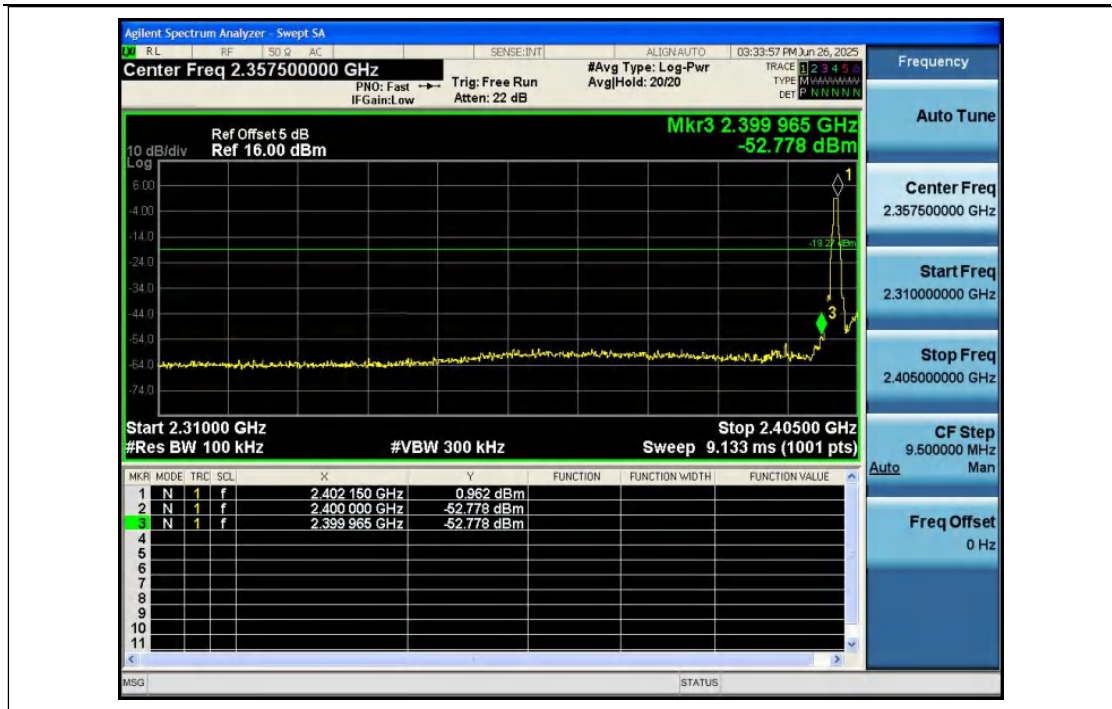
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	0.730	-52.778	-19.270	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	0.698	-54.667	-19.302	Pass
NVNT	ANT1	1-DH5	2480.00	-0.924	-61.448	-20.924	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-3.009	-60.260	-23.009	Pass
NVNT	ANT1	2-DH5	2402.00	0.735	-47.756	-19.265	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	0.736	-58.591	-19.264	Pass
NVNT	ANT1	2-DH5	2480.00	-1.033	-62.007	-21.033	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-0.099	-55.114	-20.099	Pass
NVNT	ANT1	3-DH5	2402.00	0.714	-49.477	-19.286	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	0.420	-59.888	-19.580	Pass
NVNT	ANT1	3-DH5	2480.00	-0.943	-62.341	-20.943	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	0.231	-56.598	-19.769	Pass

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

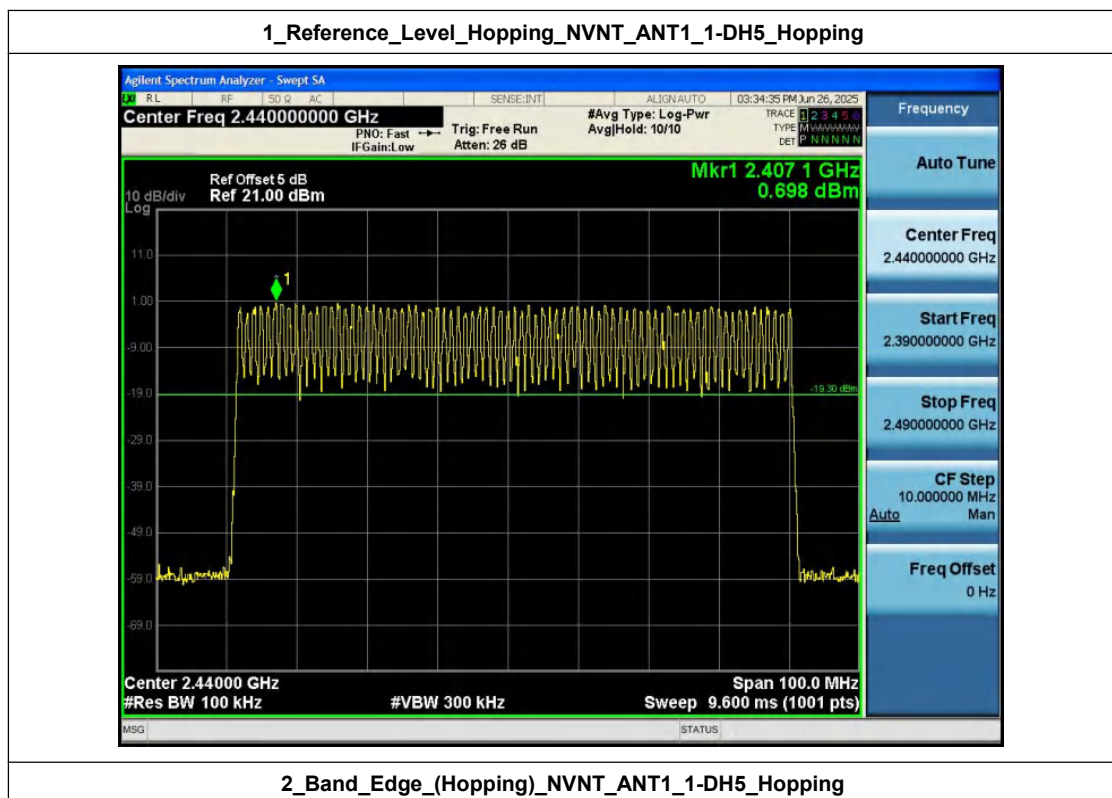
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



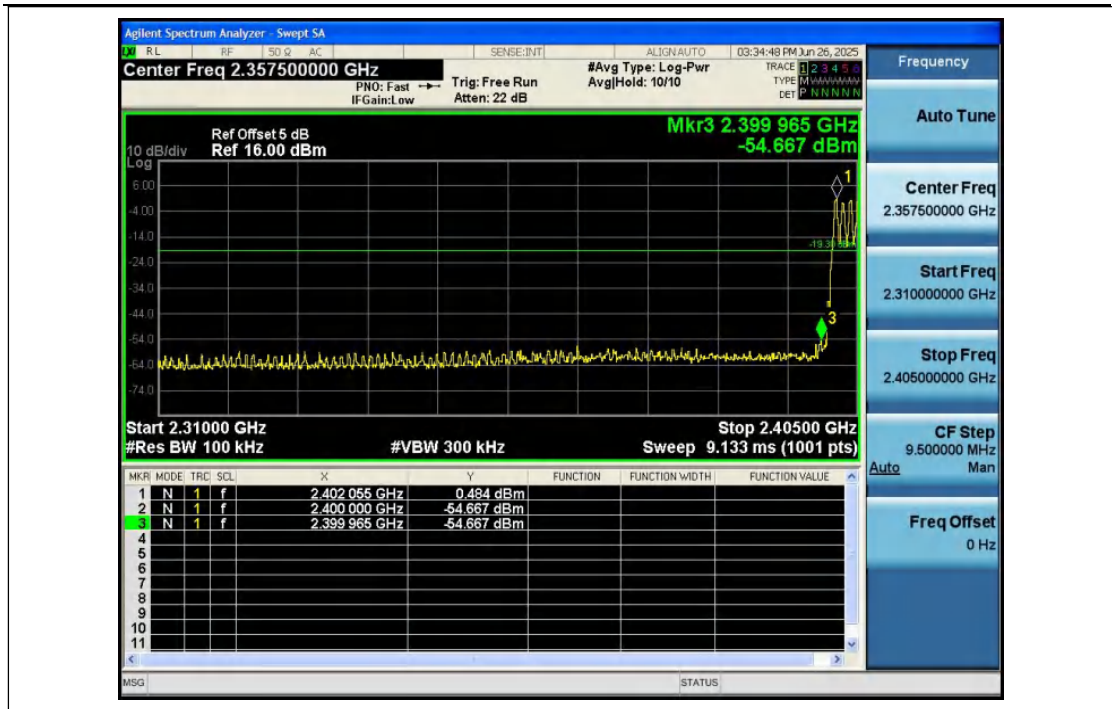
2_Bandedge_NVNT_ANT1_1-DH5_2402_00



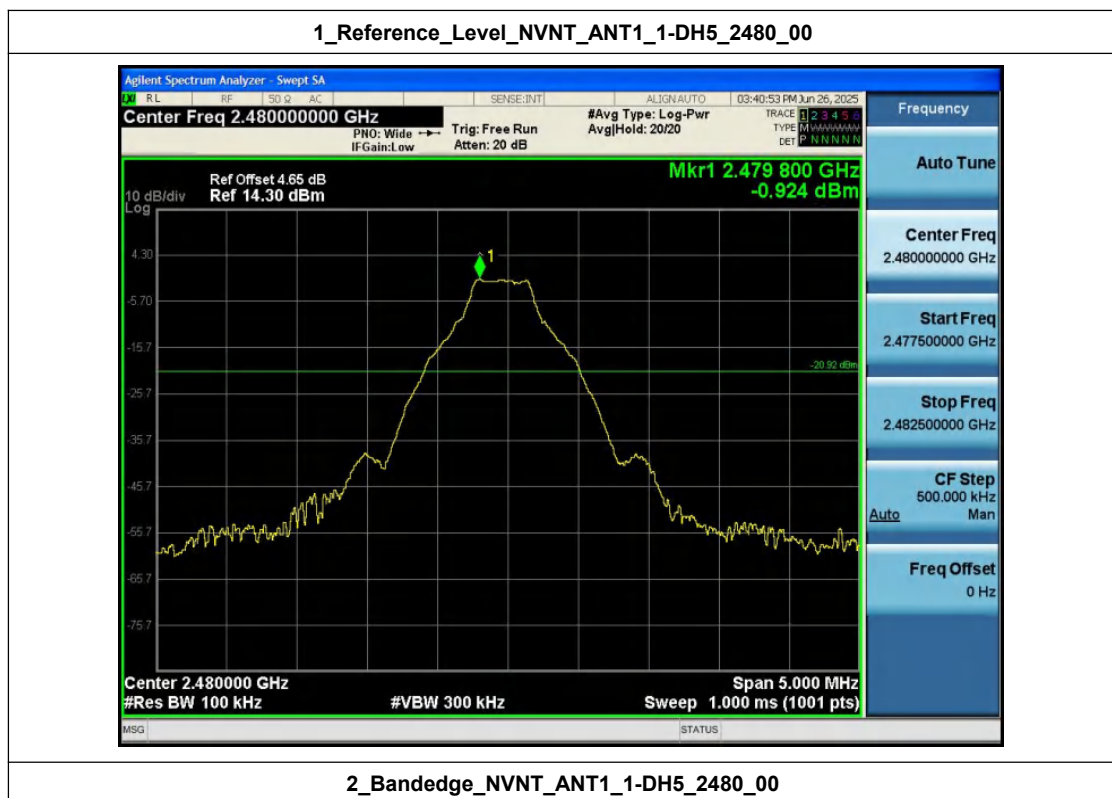
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



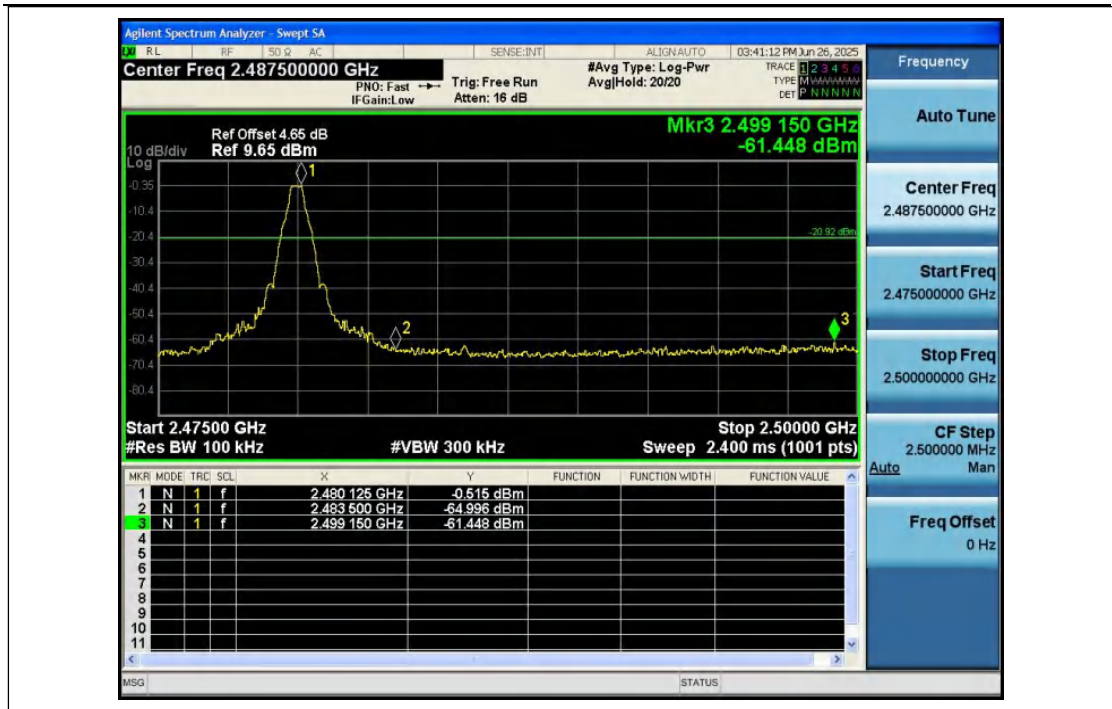
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



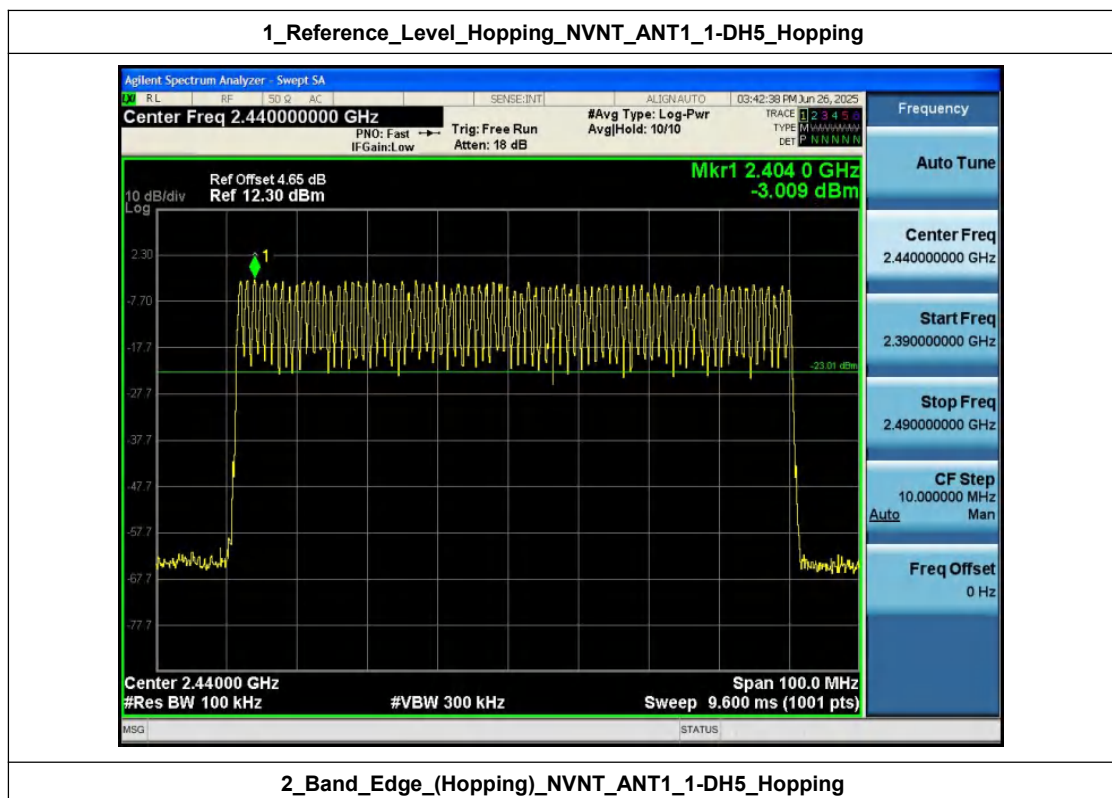
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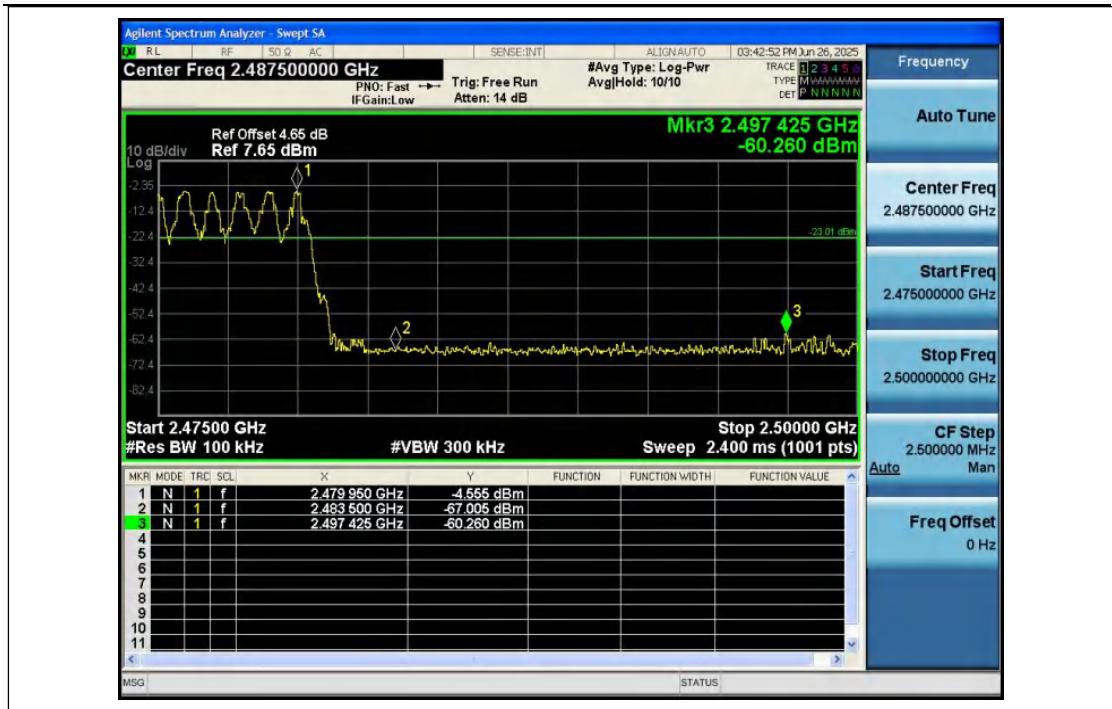
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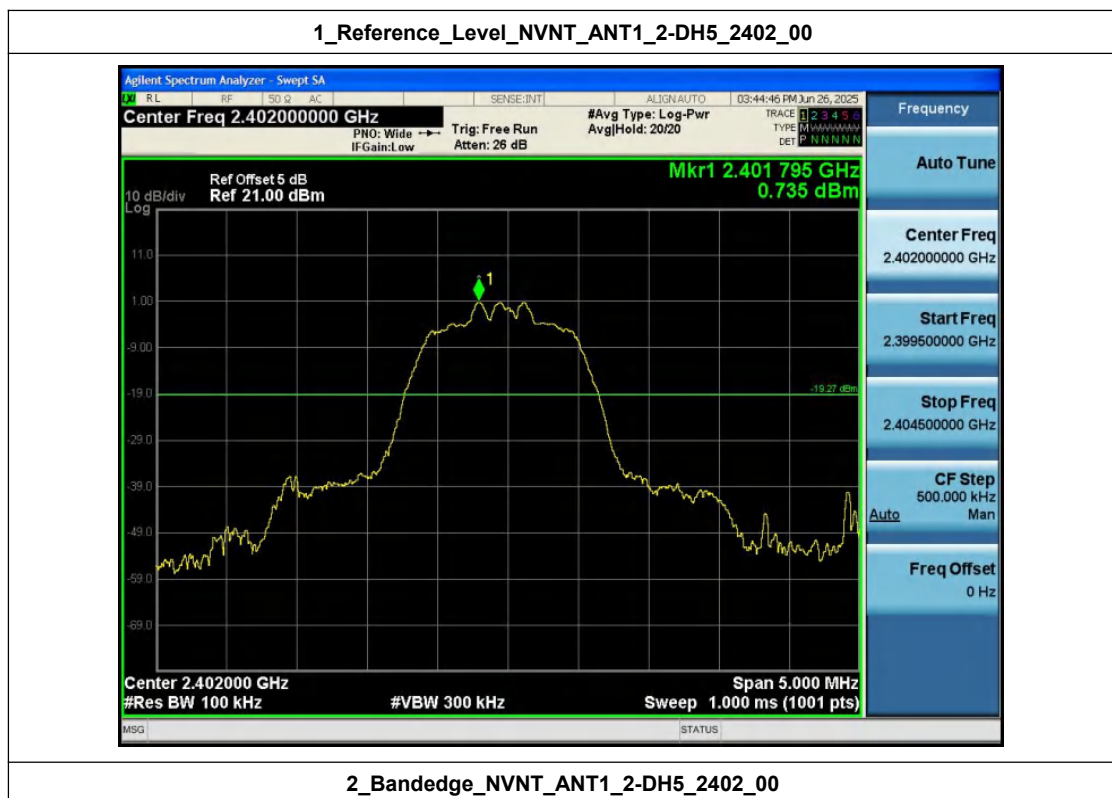
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2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



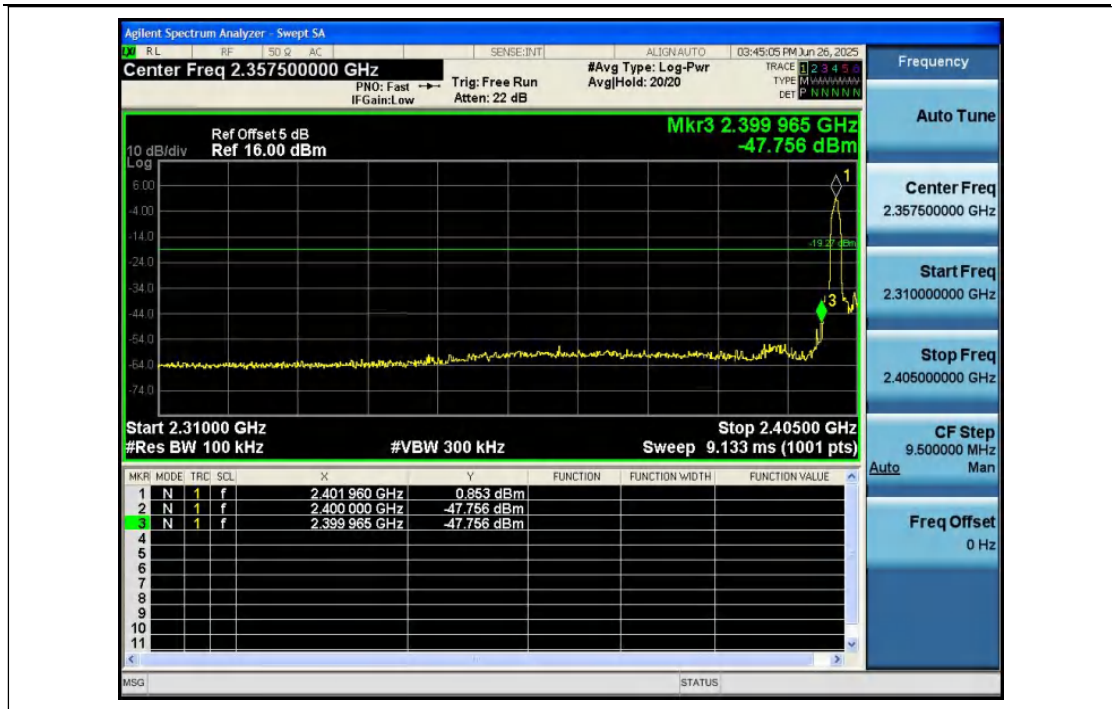
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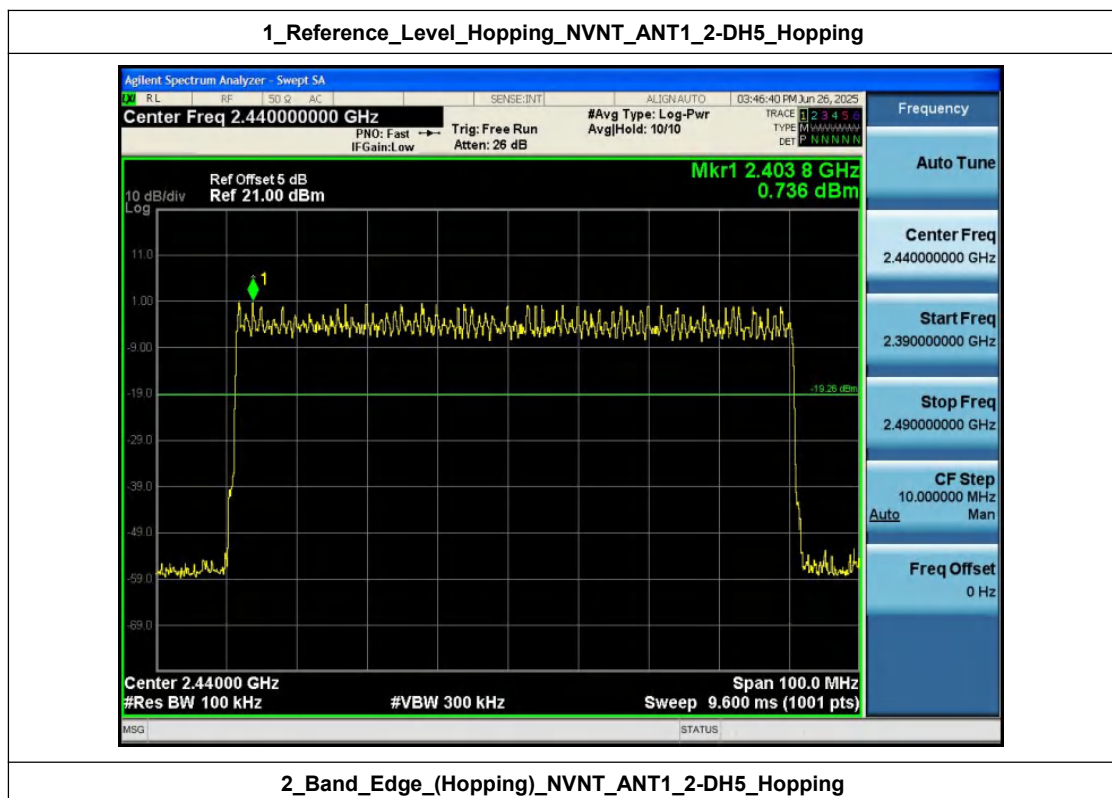
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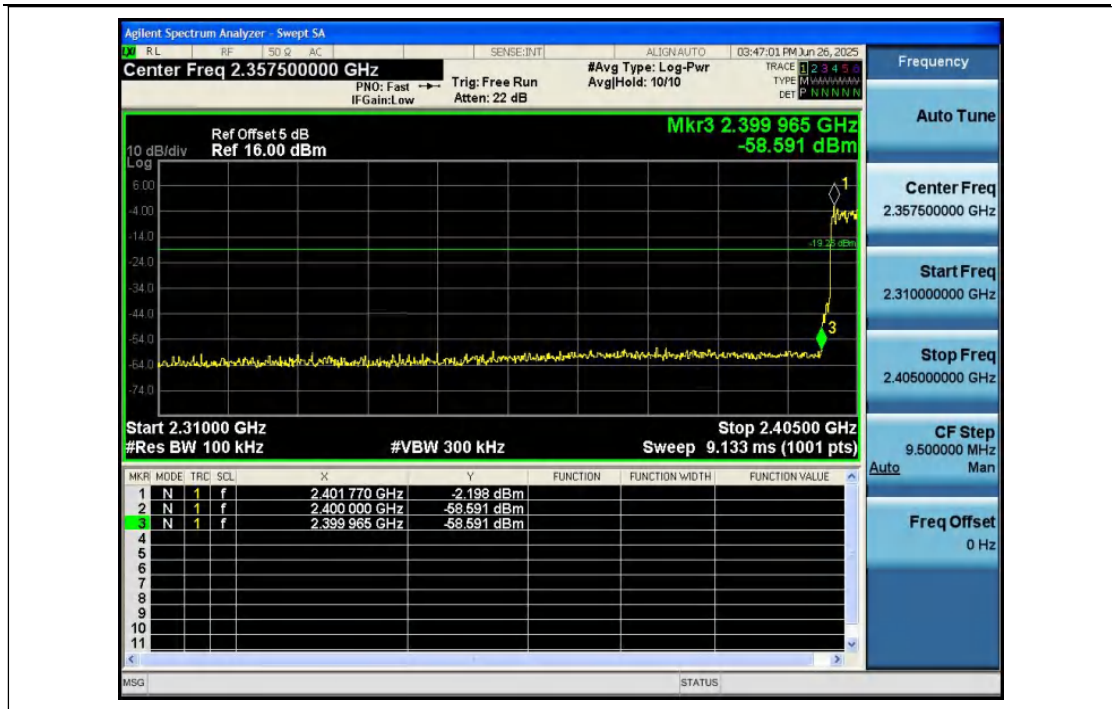
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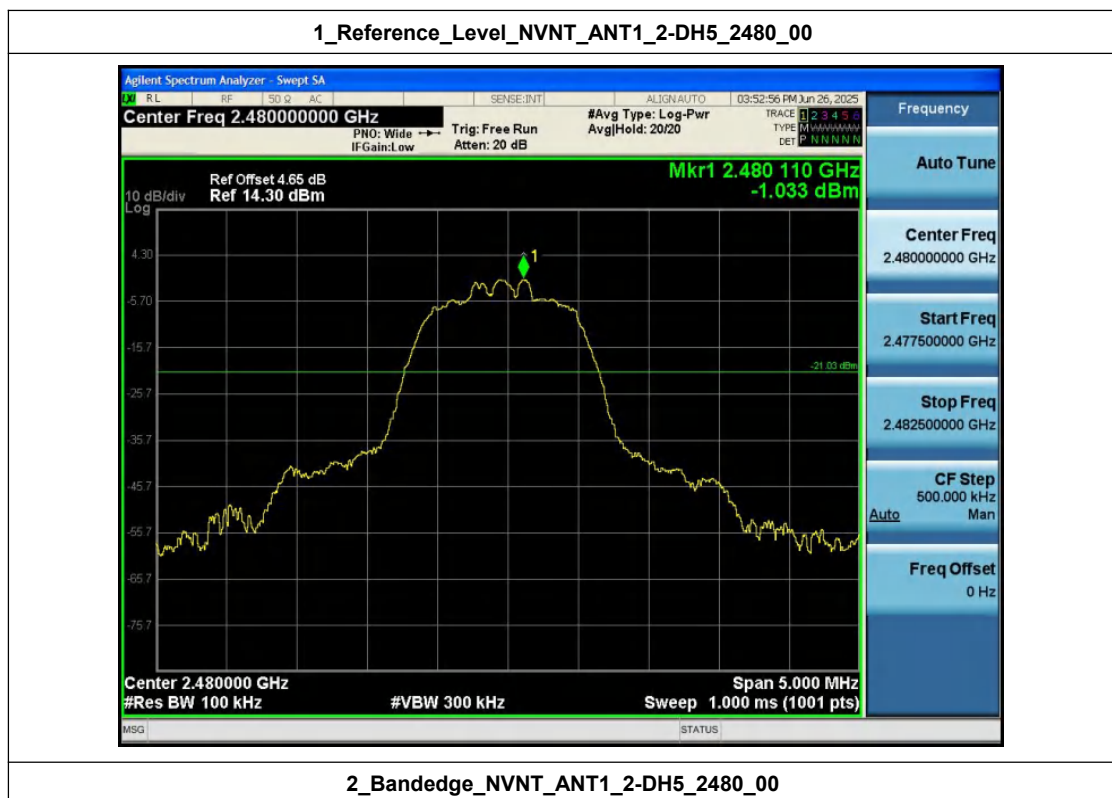
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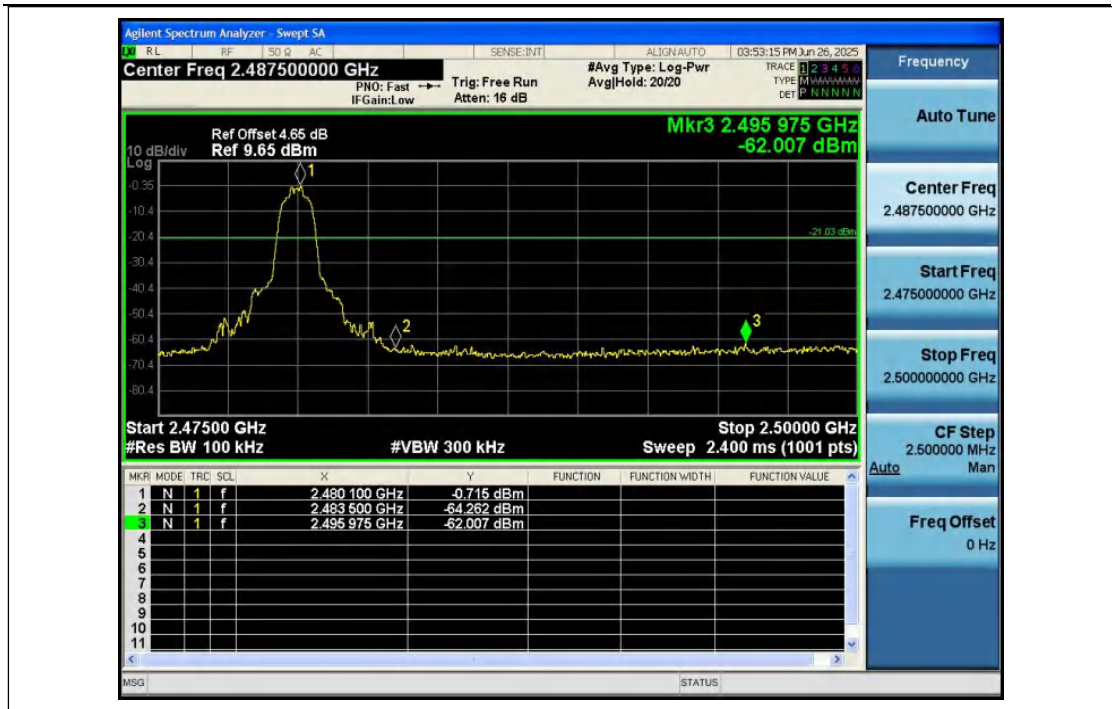
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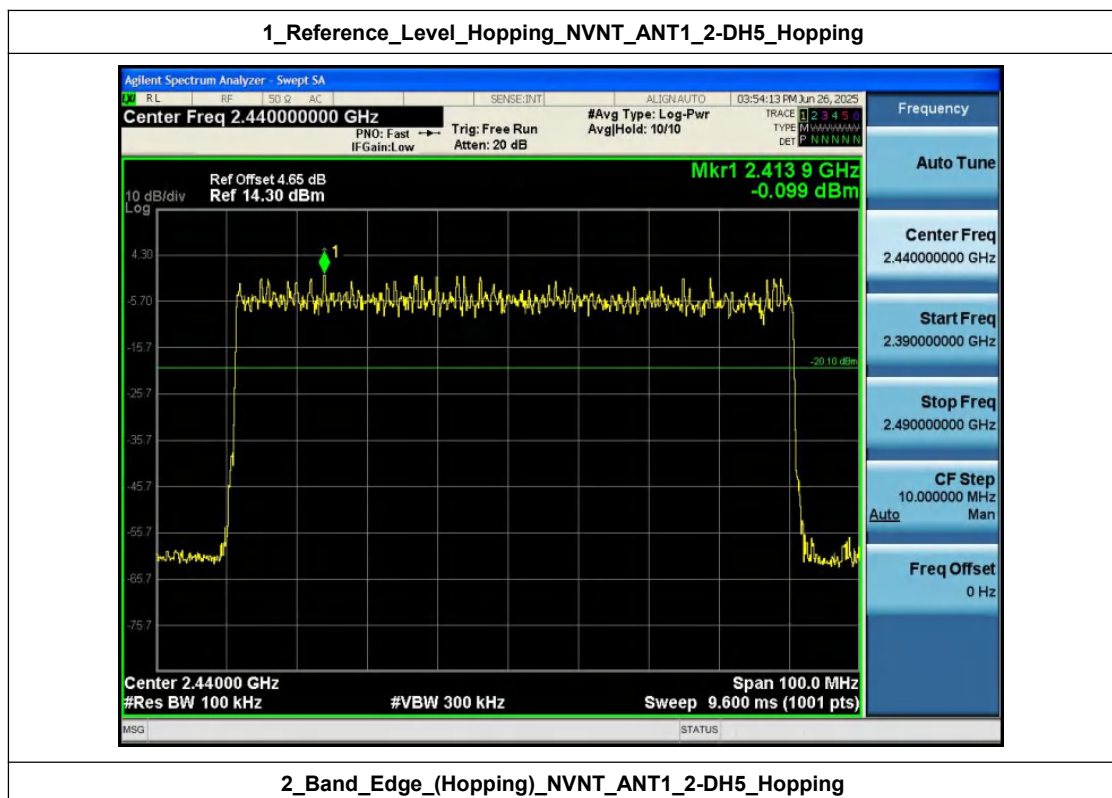
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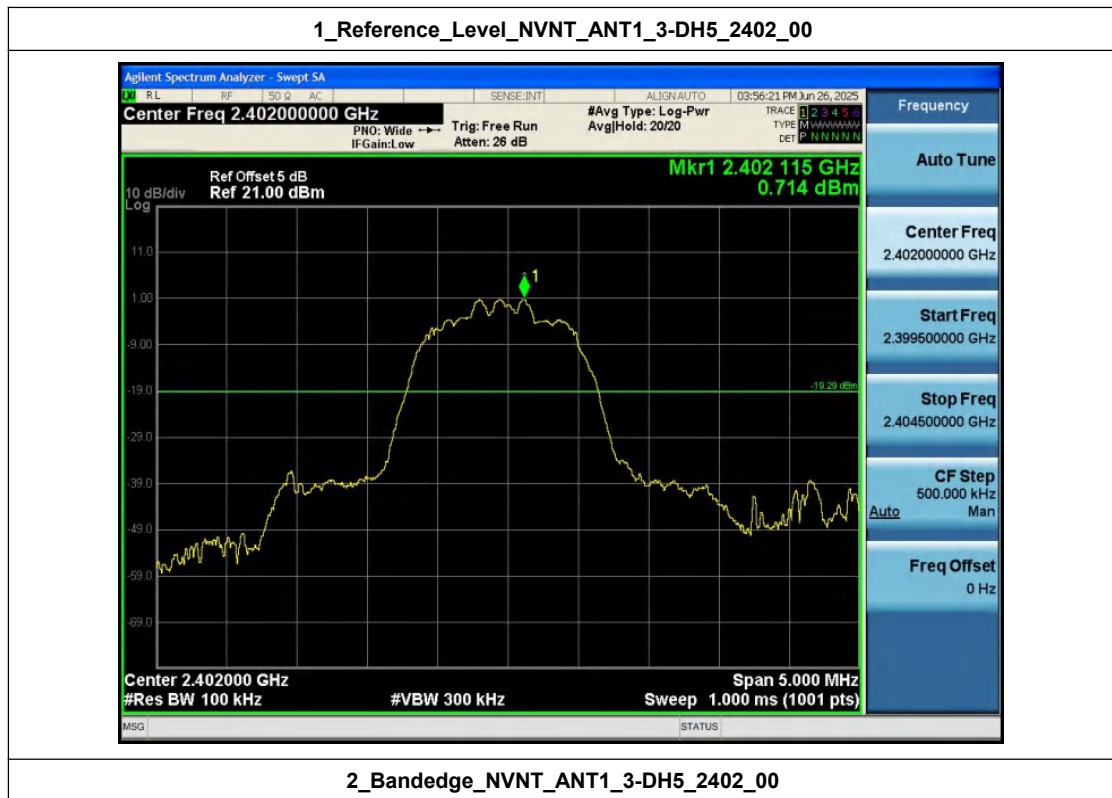
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2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

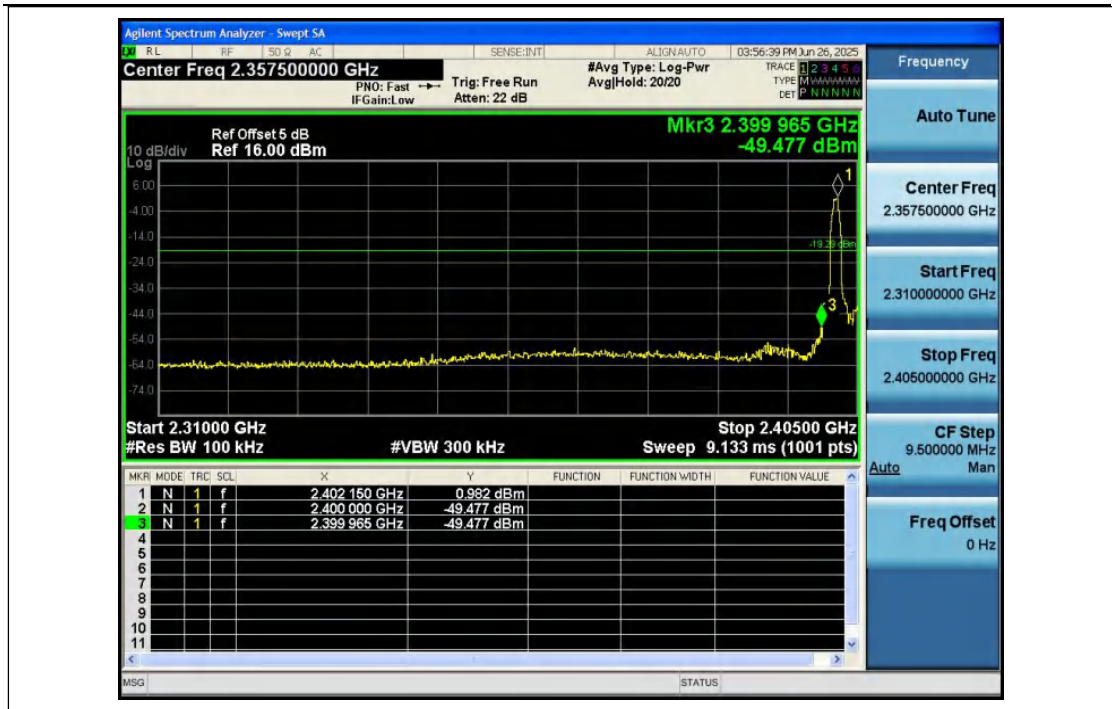


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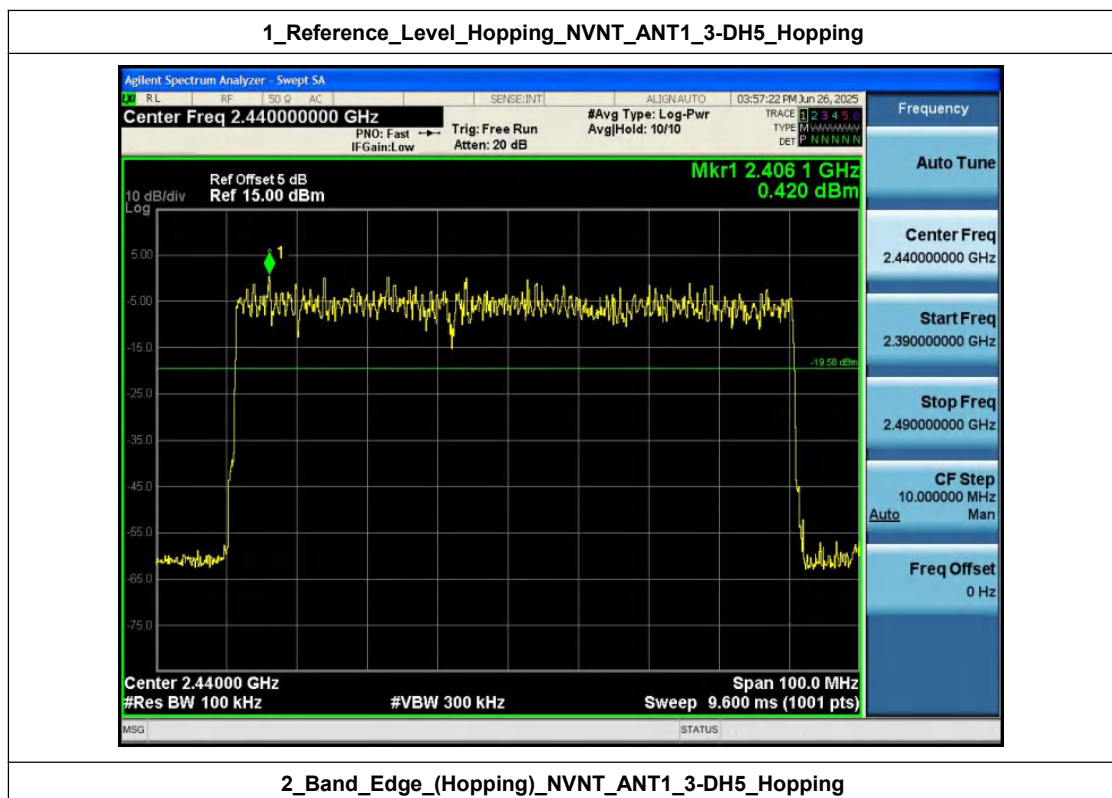
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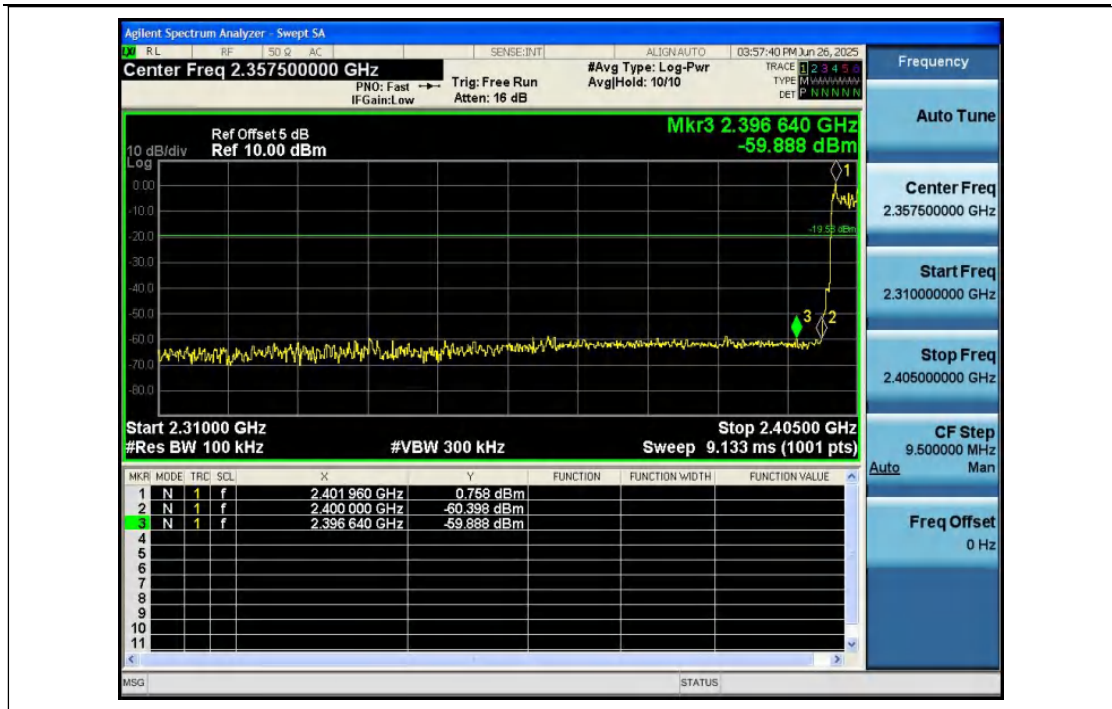
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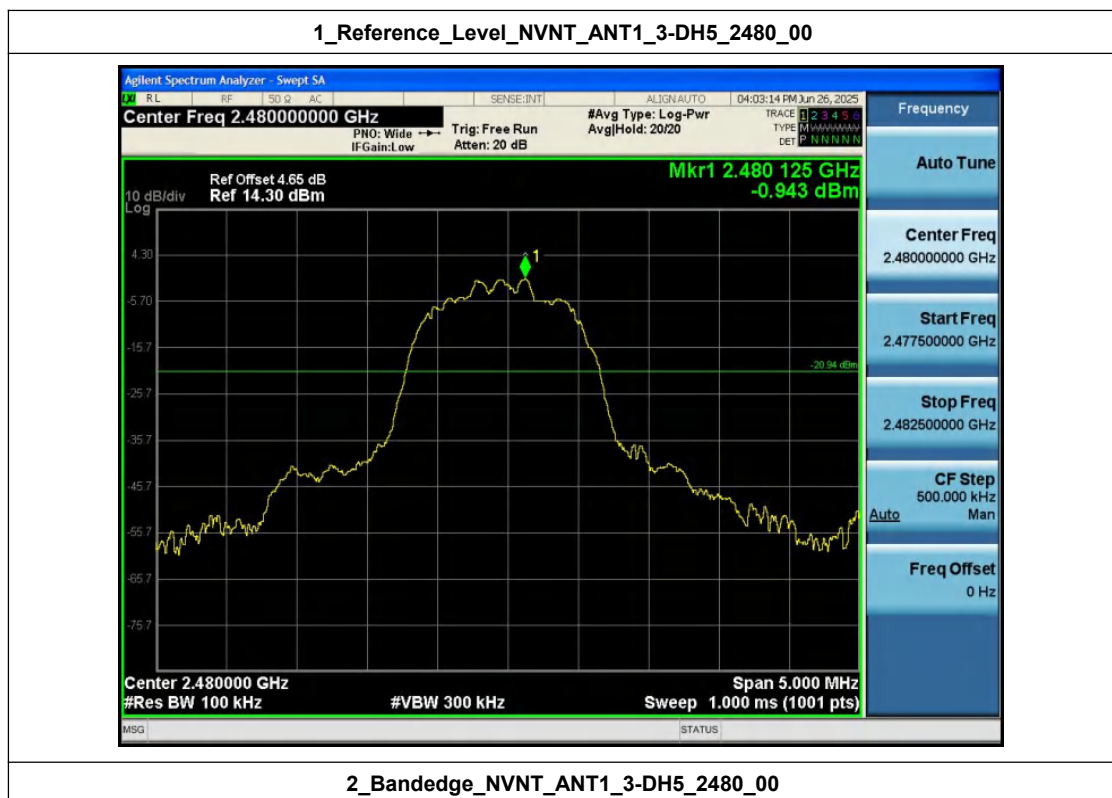
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2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



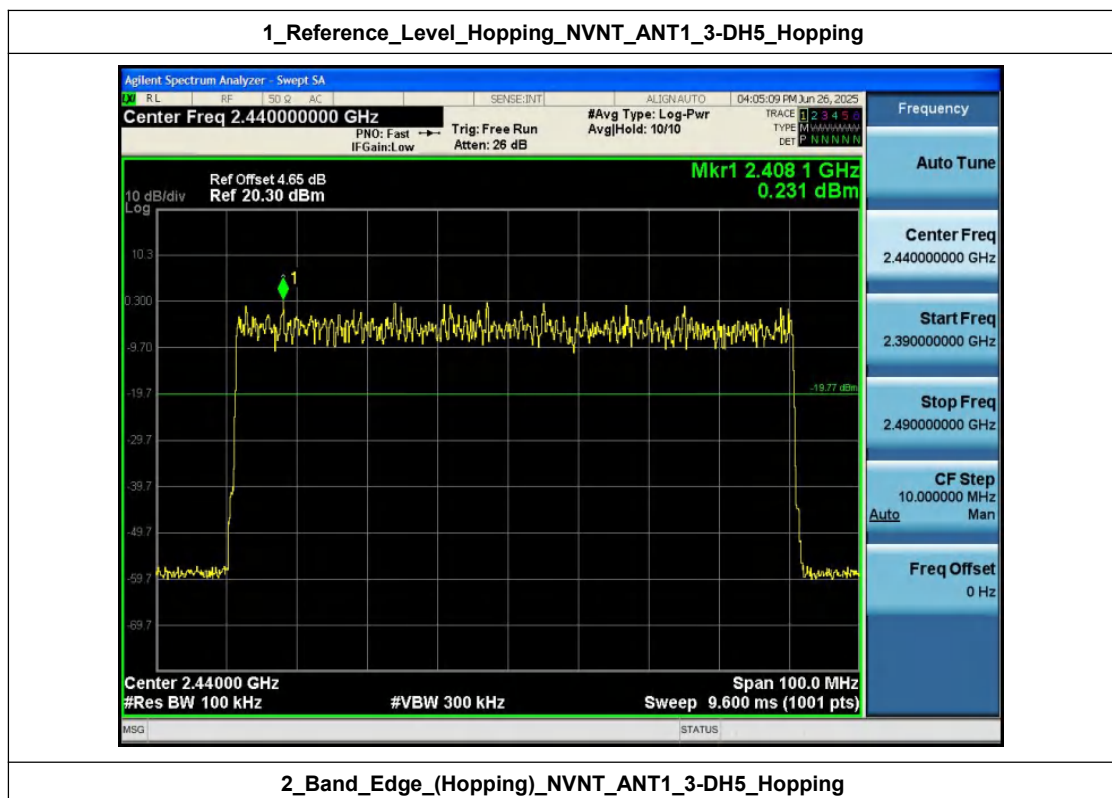
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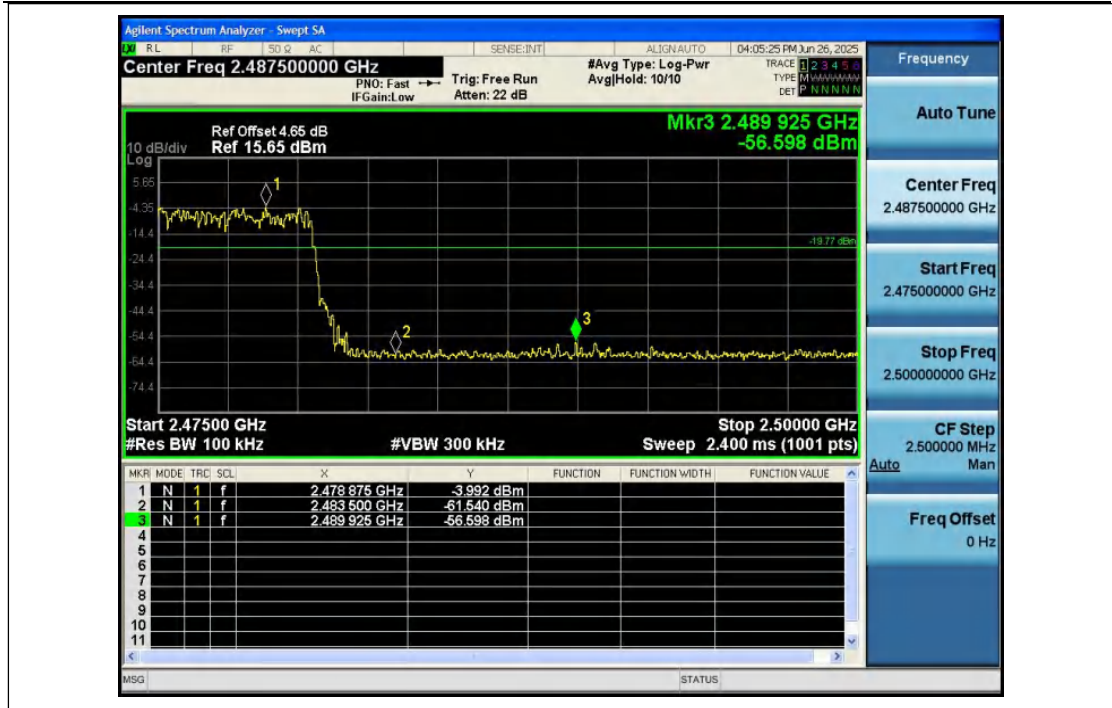
2_Bandedge_NVNT_ANT1_3-DH5_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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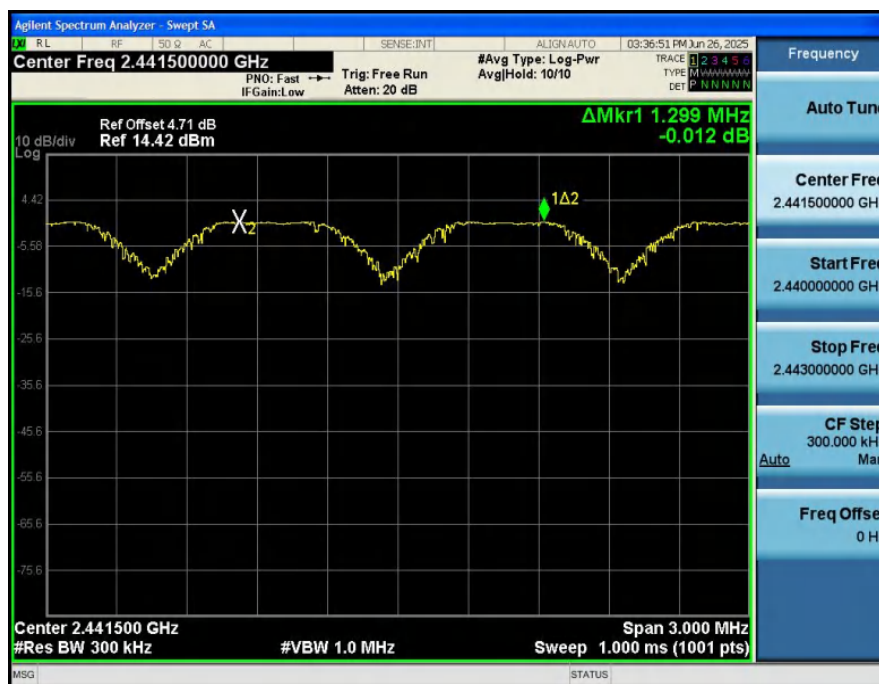


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Appendix G: Carrier Frequencies Separation (Hopping)

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	2440.822	2442.121	1.30	0.679	Pass
NVNT	ANT1	2-DH5	2441.00	2440.795	2441.851	1.06	0.876	Pass
NVNT	ANT1	3-DH5	2441.00	2440.831	2441.947	1.12	0.869	Pass

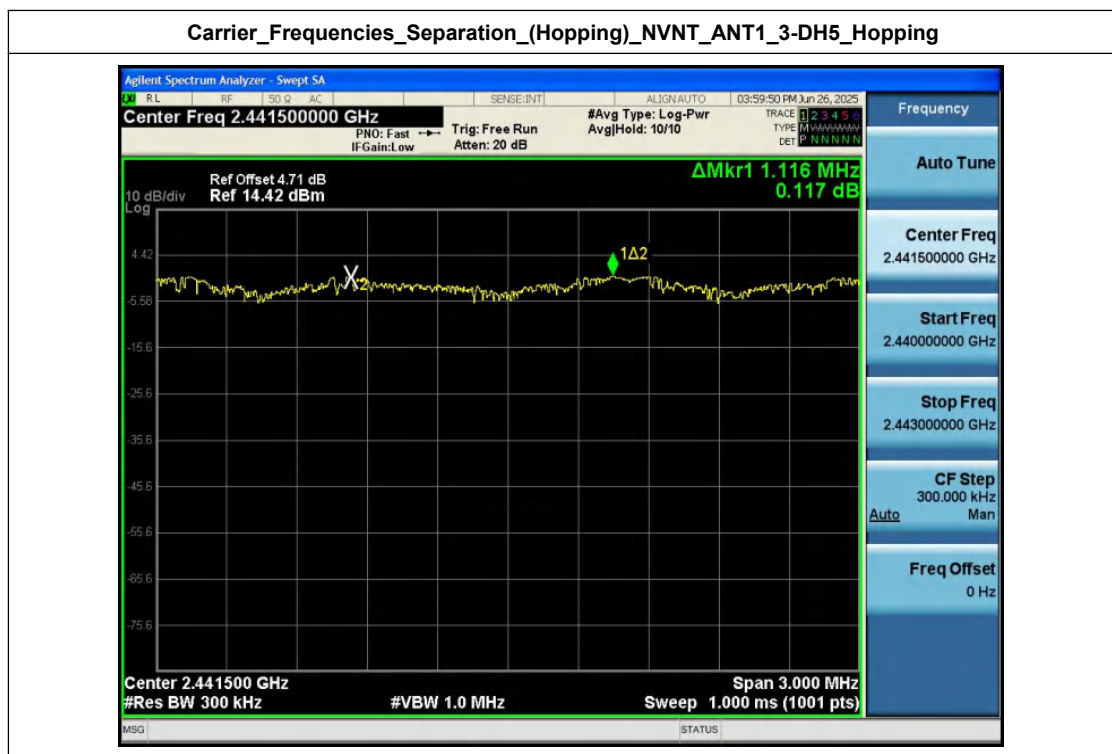
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



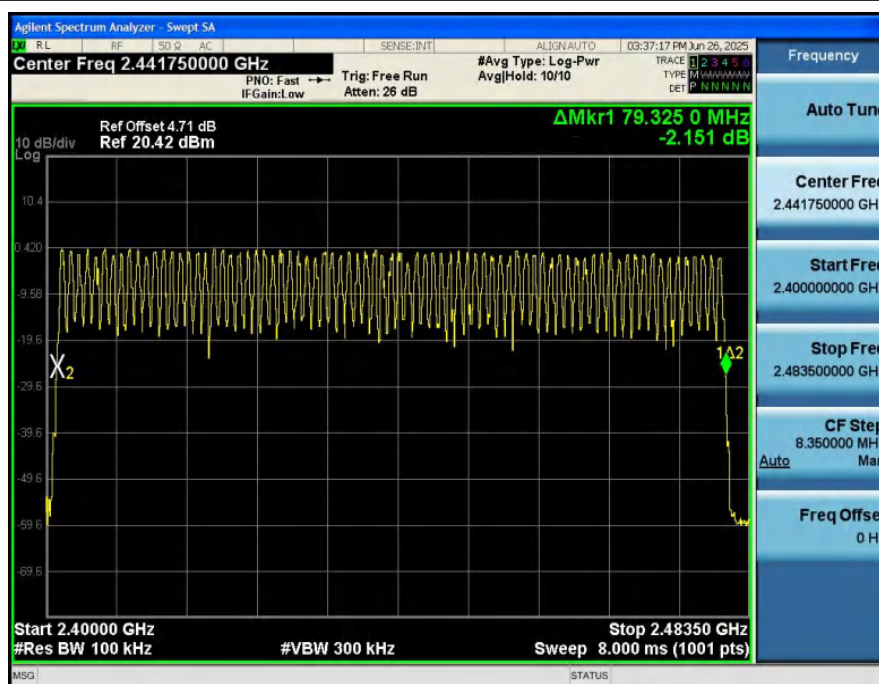
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



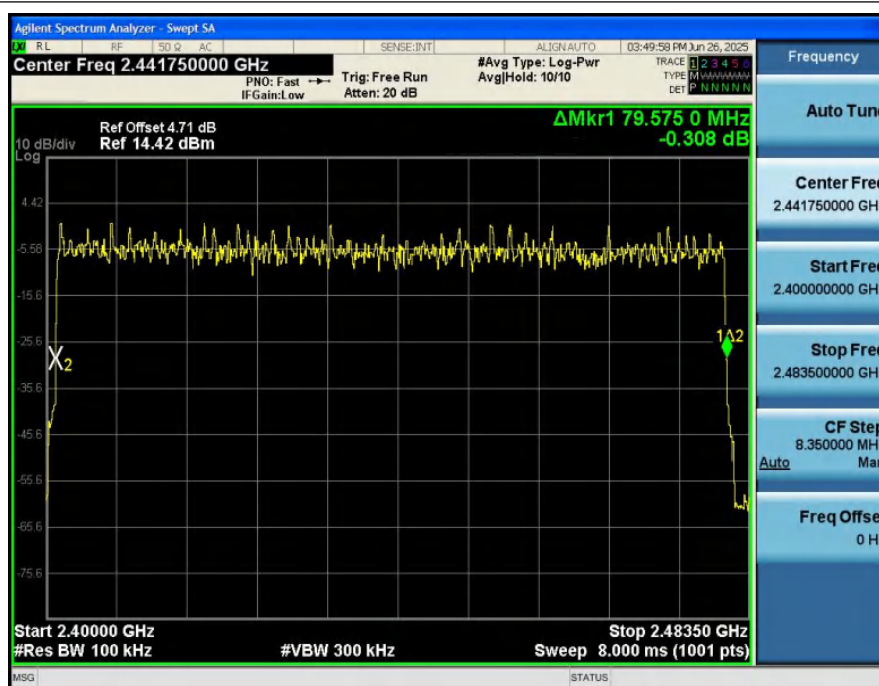
Appendix H: Number of Hopping Channel (Hopping)

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

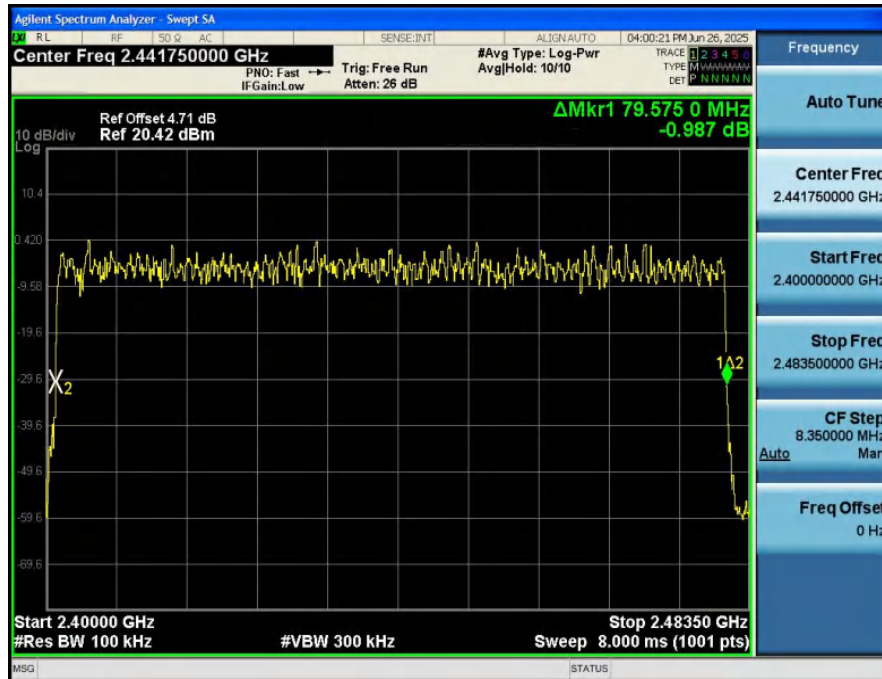
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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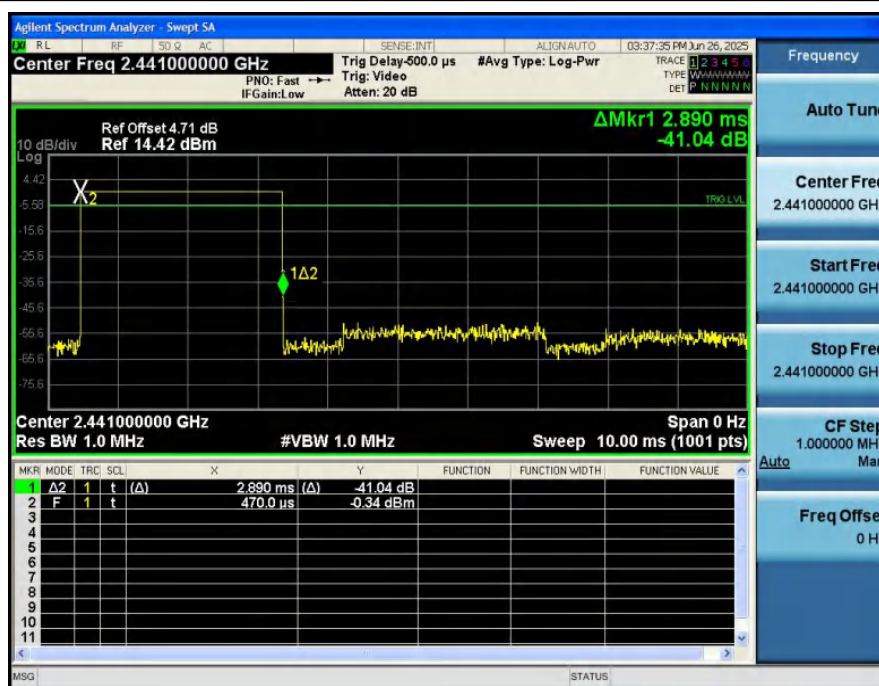
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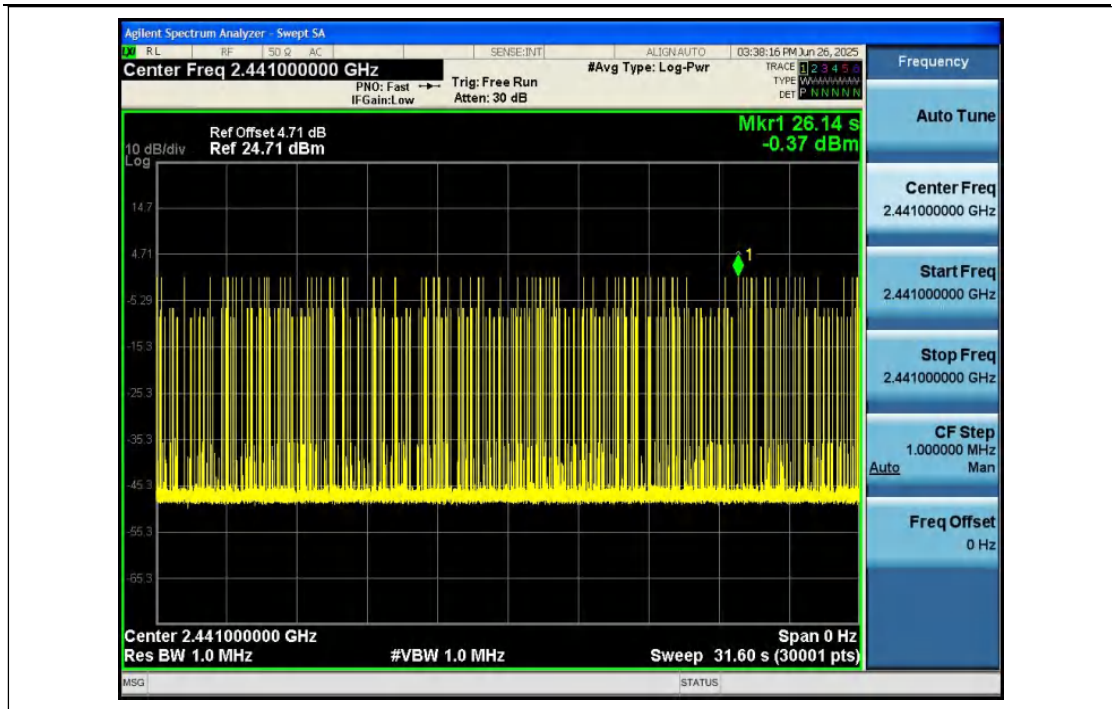
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.890	92.00	265.880	0.40	Pass
NVNT	ANT1	2-DH5	2.900	103.00	298.700	0.40	Pass
NVNT	ANT1	3-DH5	2.910	99.00	288.090	0.40	Pass
NVNT	ANT1	1-DH1	0.390	319.00	124.410	0.40	Pass
NVNT	ANT1	1-DH3	1.650	157.00	259.050	0.40	Pass
NVNT	ANT1	2-DH1	0.410	320.00	131.200	0.40	Pass
NVNT	ANT1	2-DH3	1.660	161.00	267.260	0.40	Pass
NVNT	ANT1	3-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	3-DH3	1.660	158.00	262.280	0.40	Pass

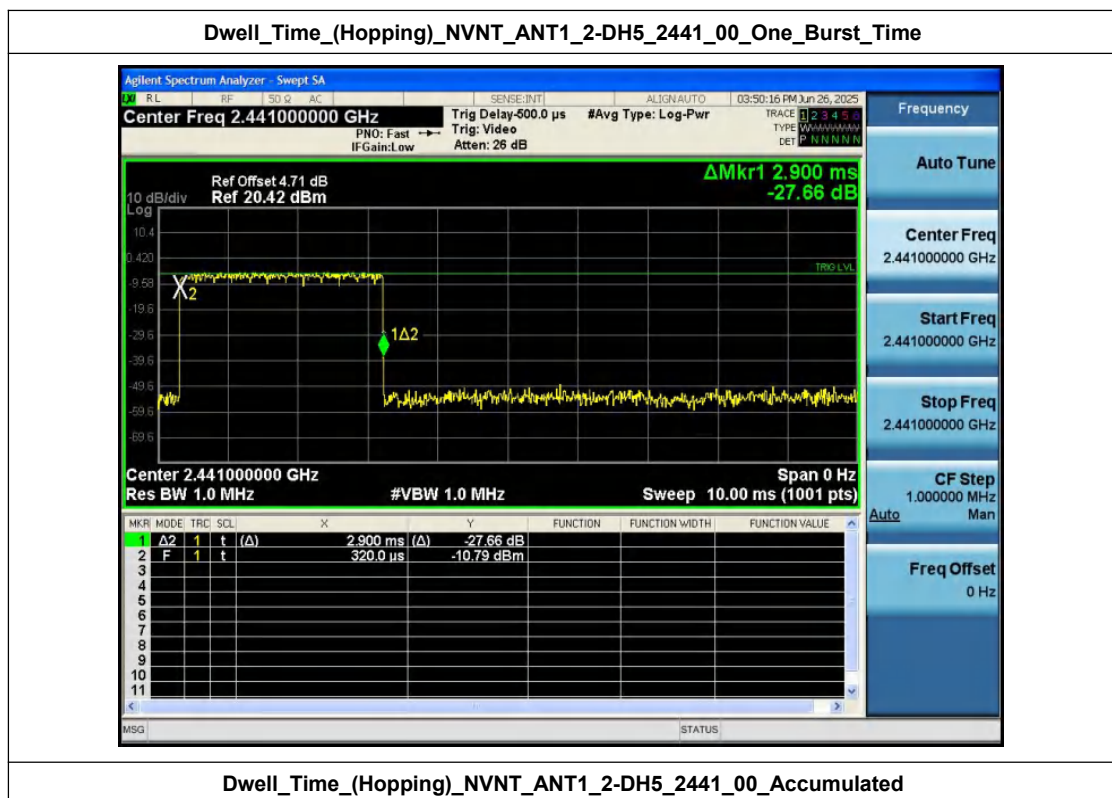
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



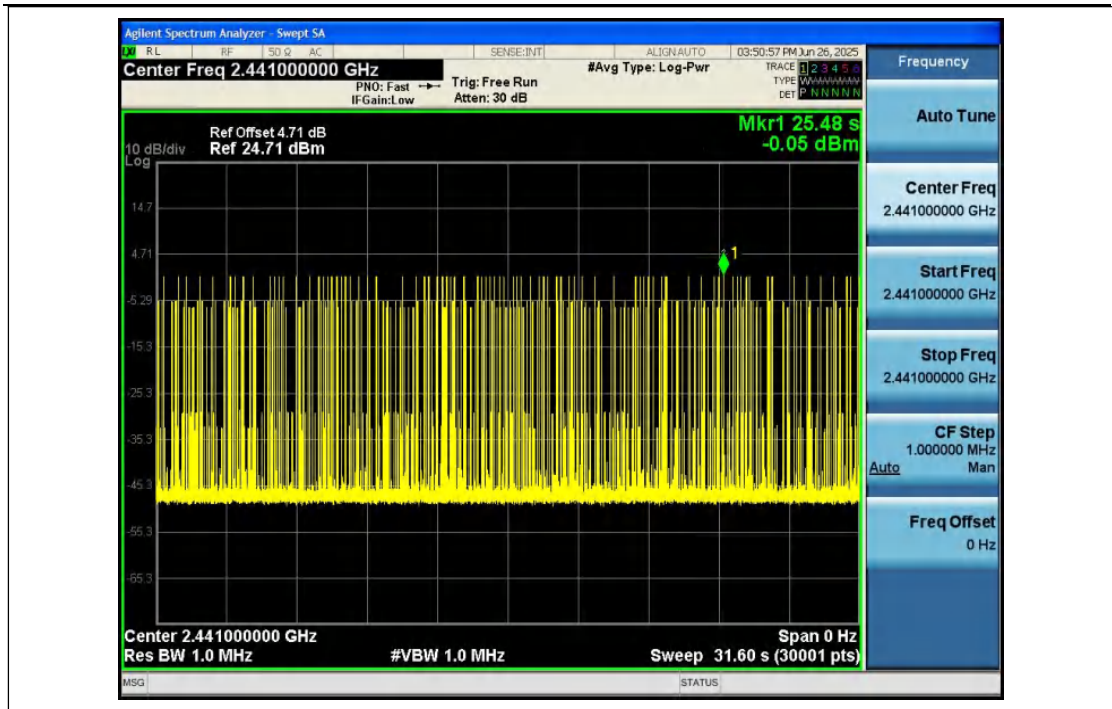
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



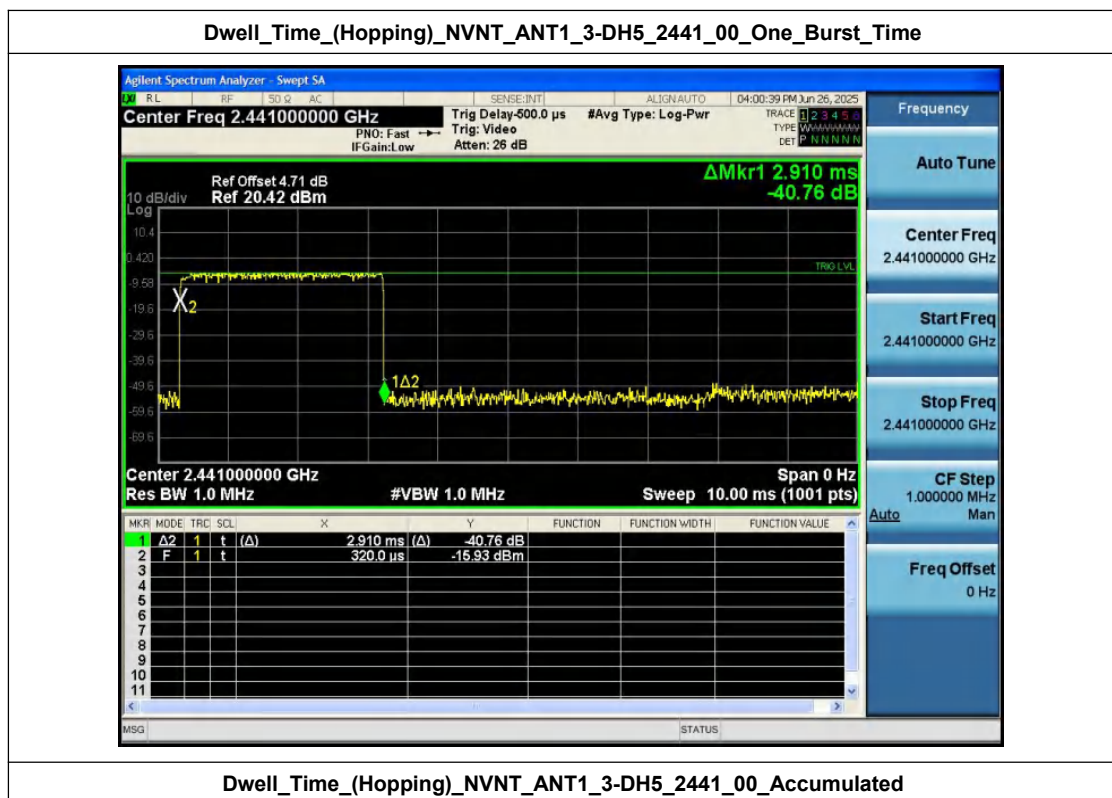
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



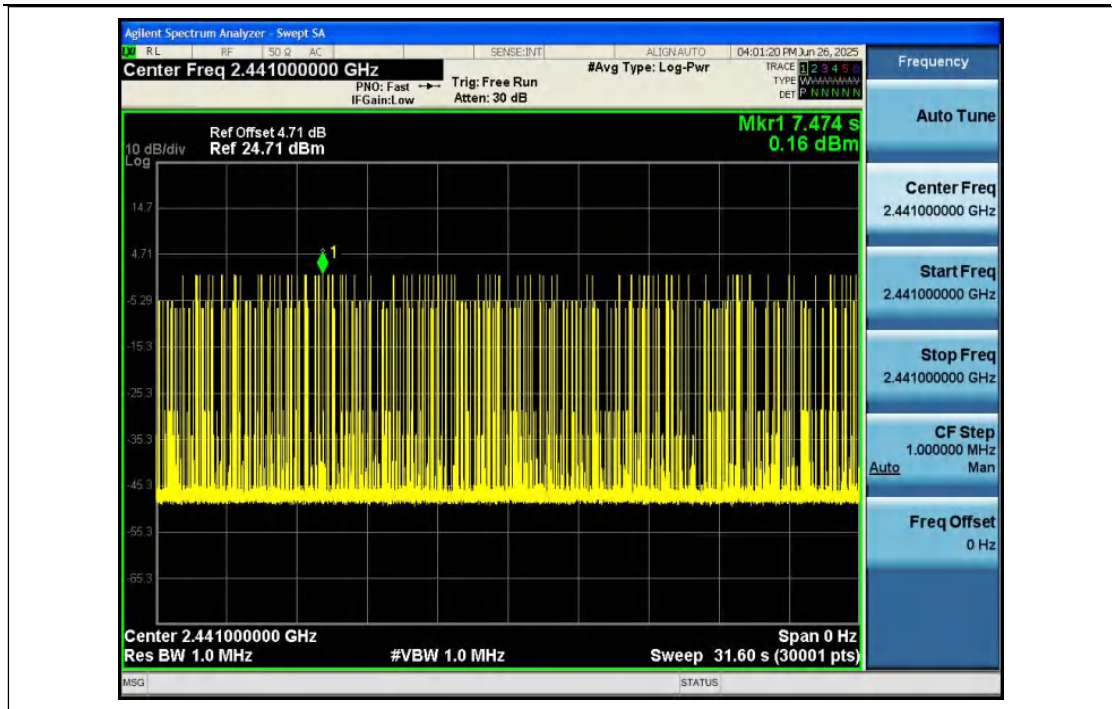
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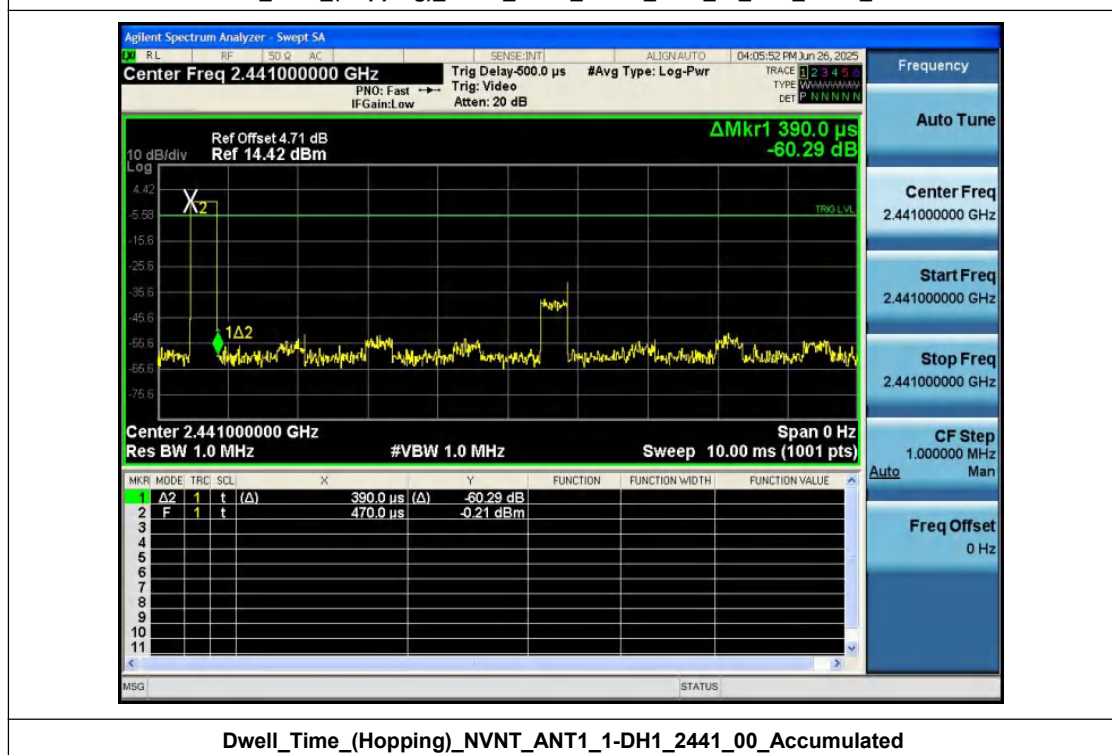
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



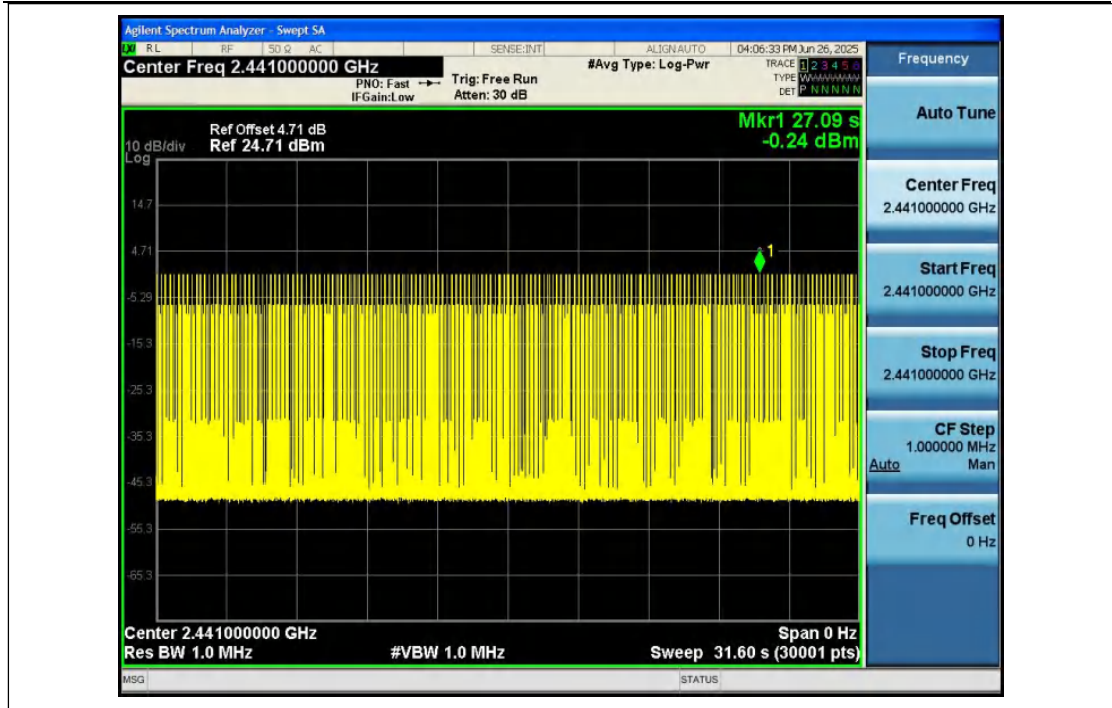
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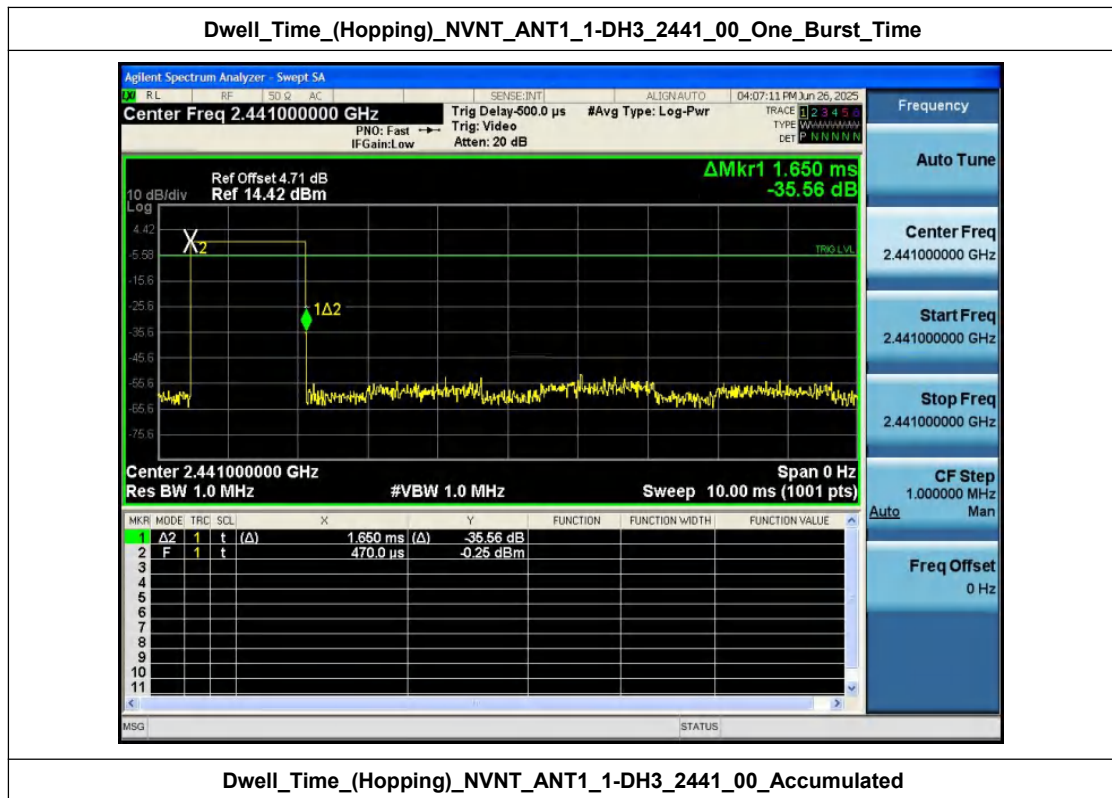
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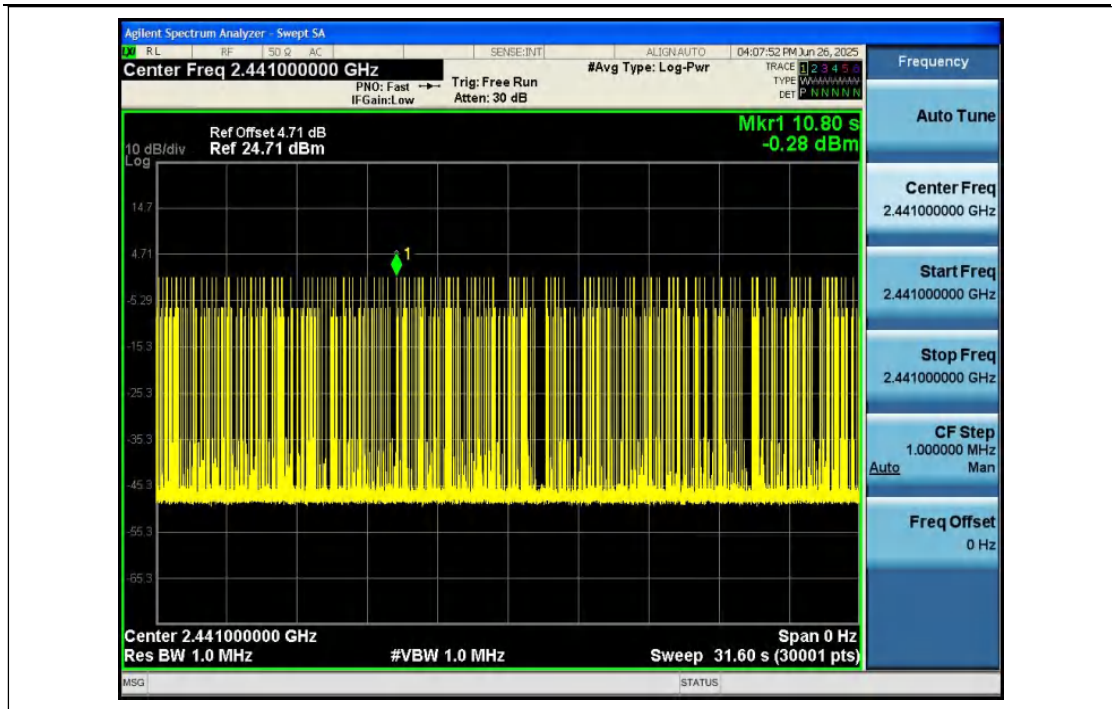
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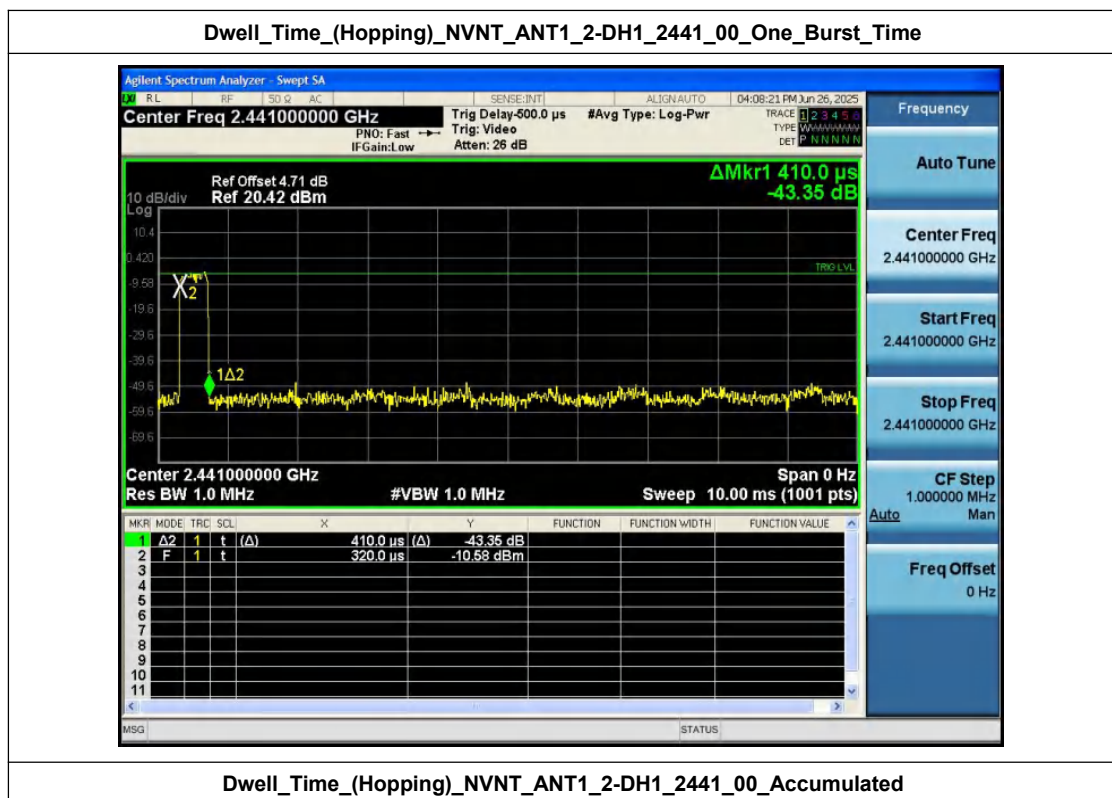
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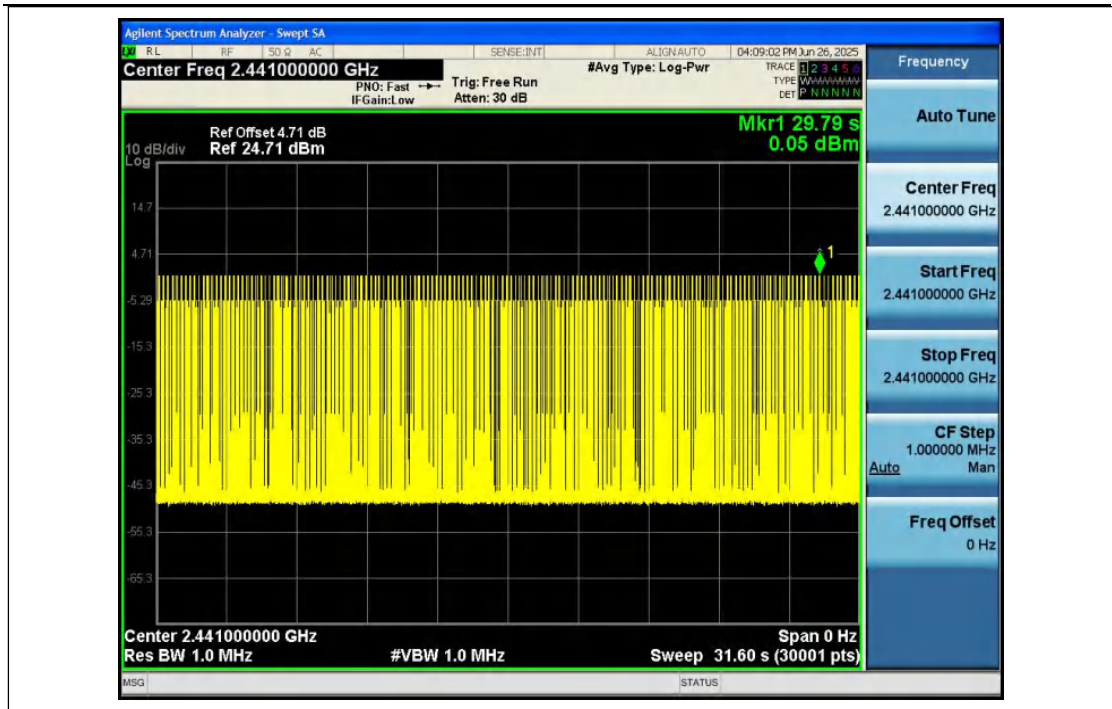
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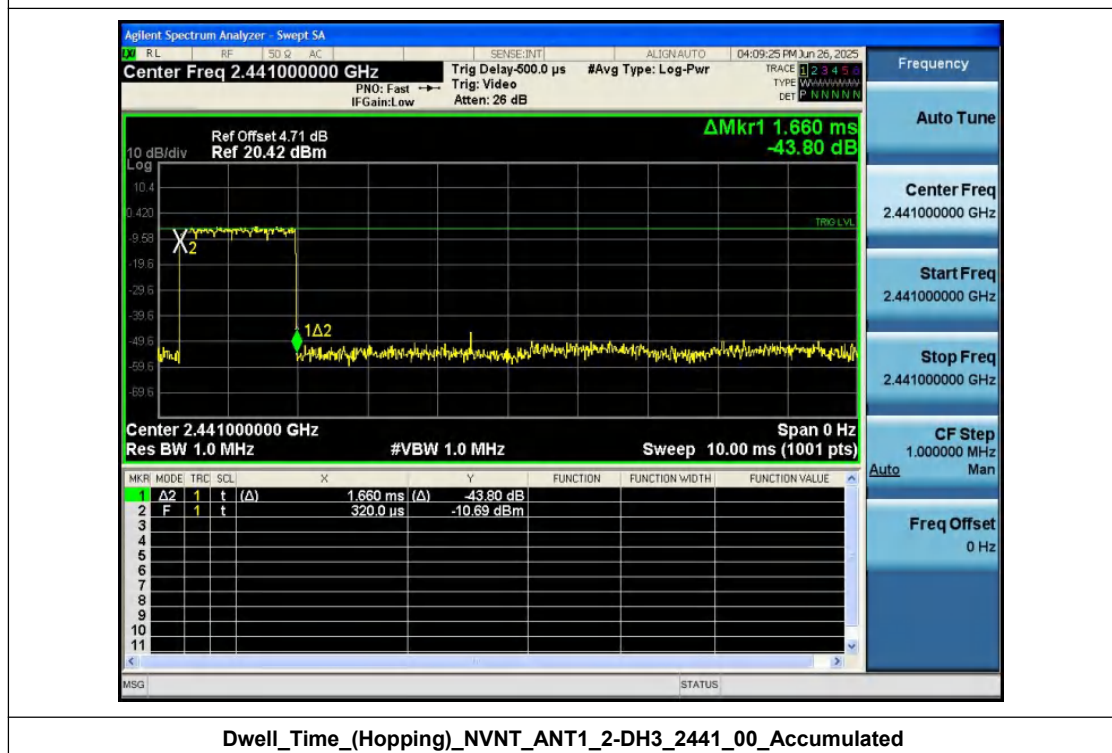
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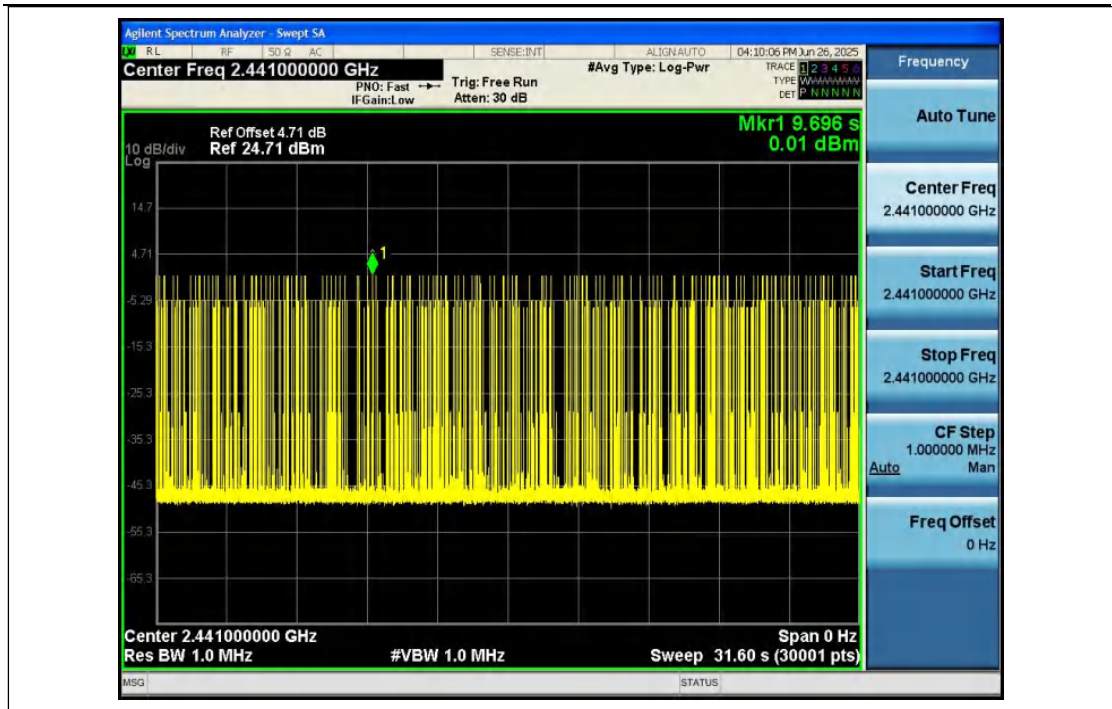
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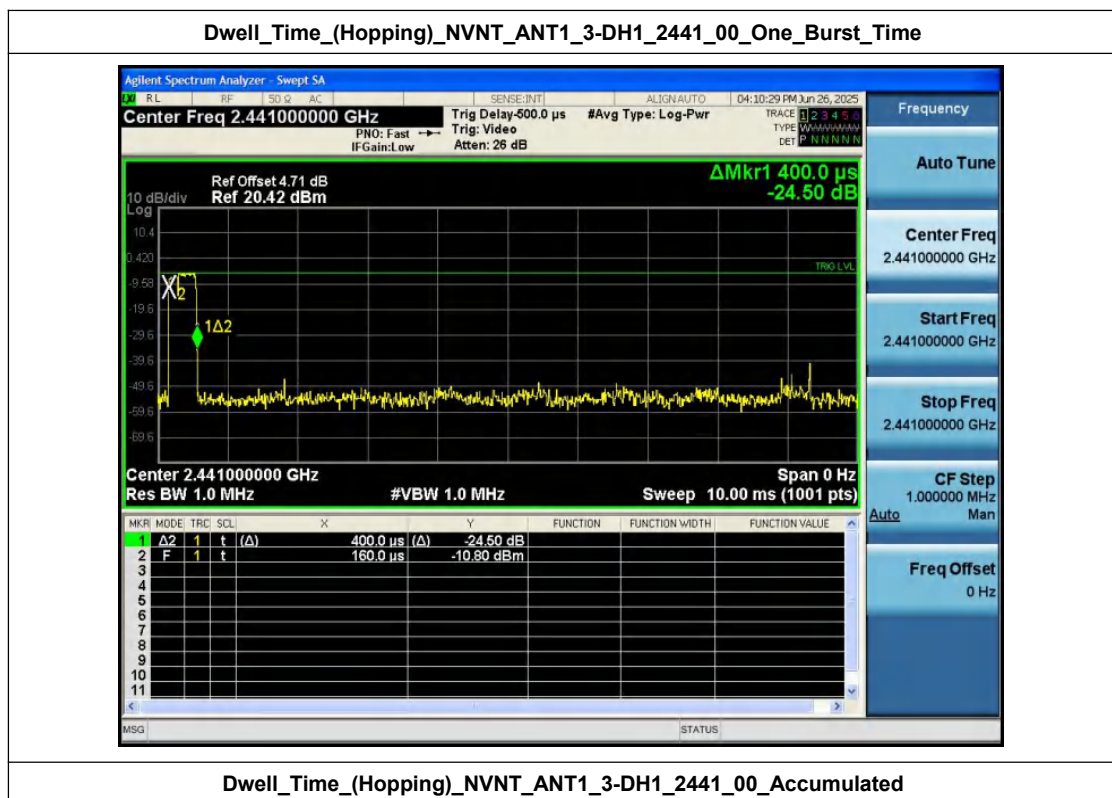
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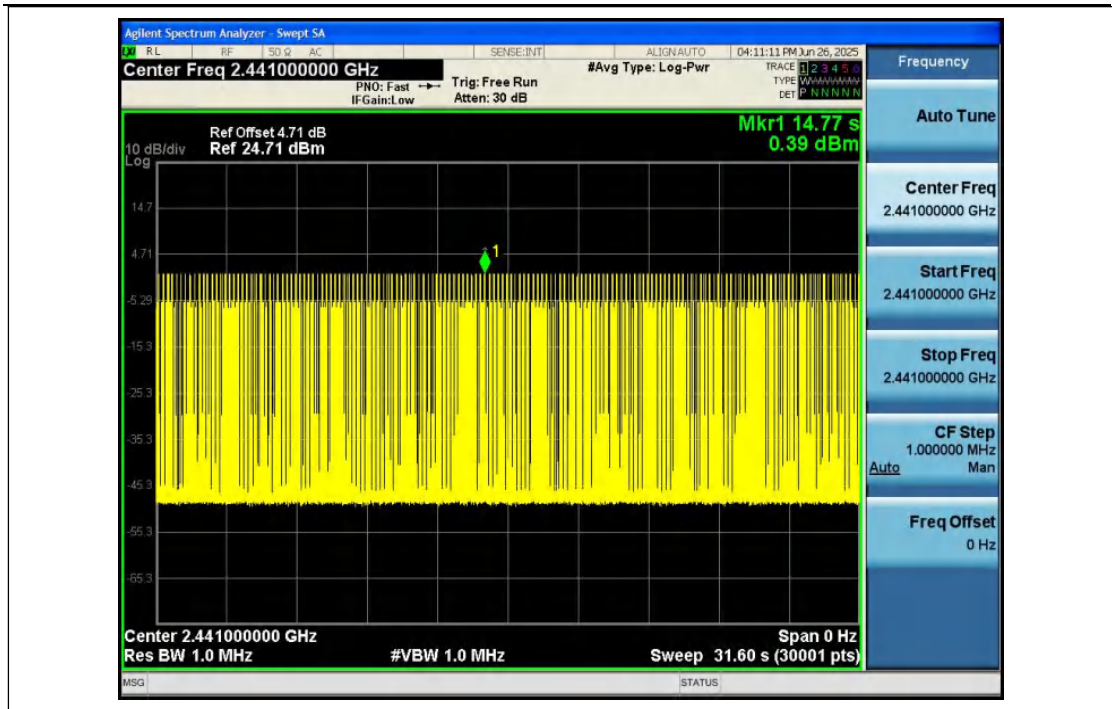
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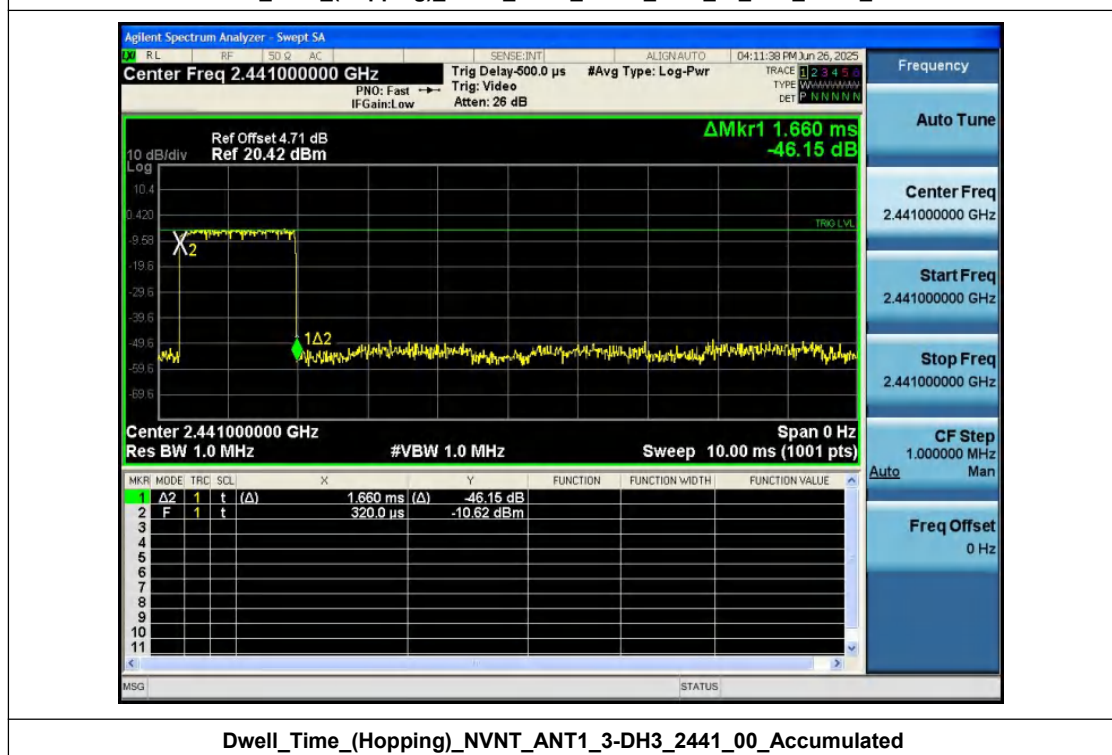
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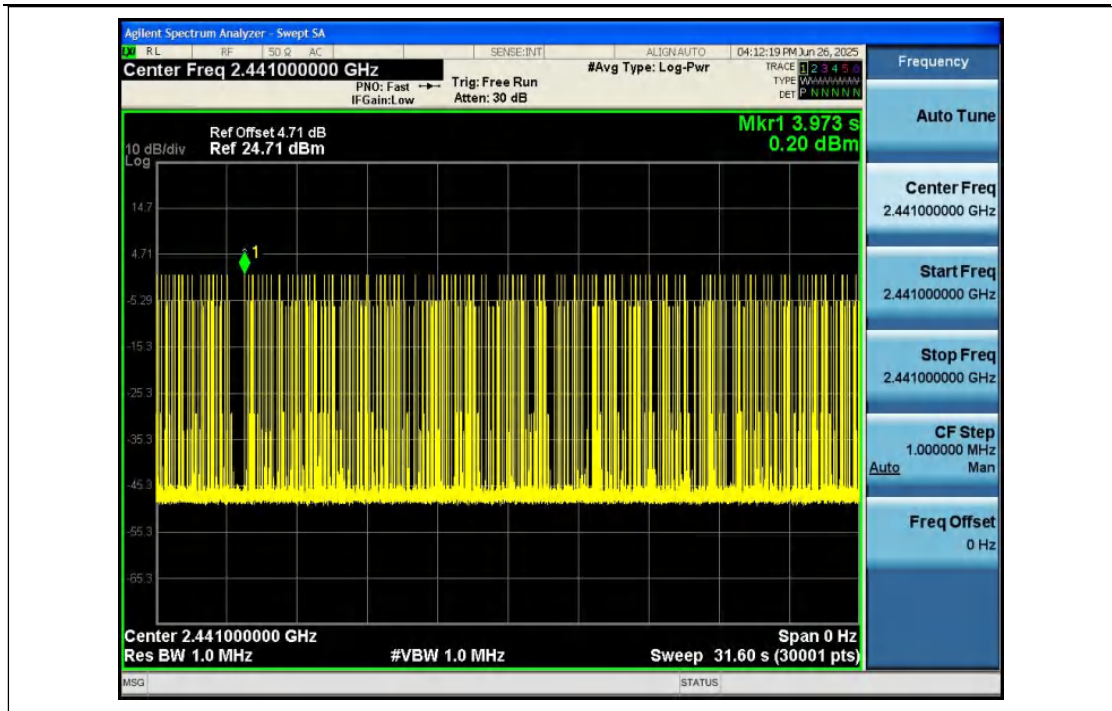
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated



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