

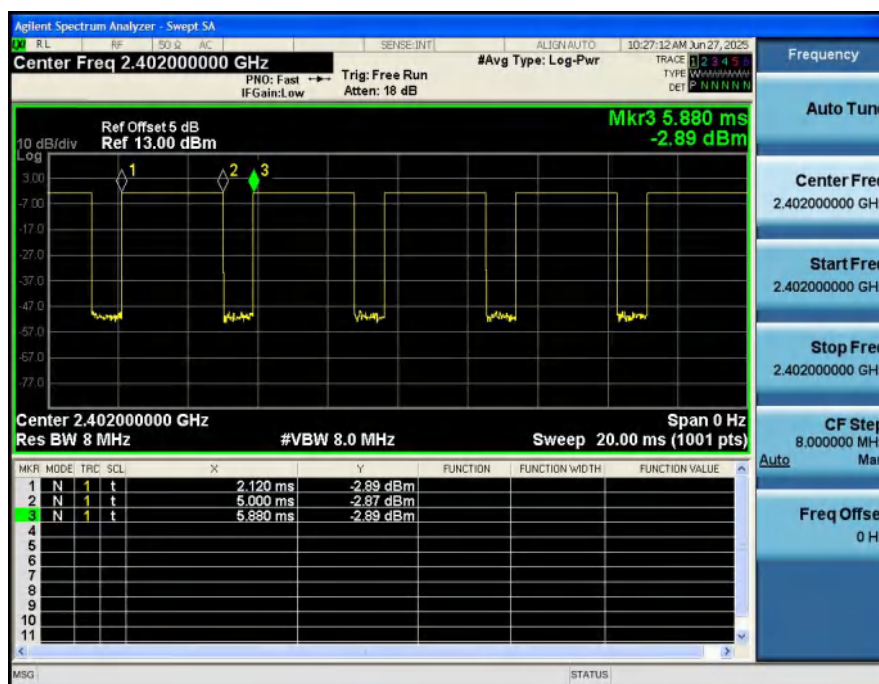
Appendix Test Data

Report No.:	1812C50311512501	Test Sample No.:	1-2-2
Start Test Date:	2025.6.17	Finish Test Date:	2025.6.27
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.5°C	Relative Humidity:	45%
Pressure:	101kPa		

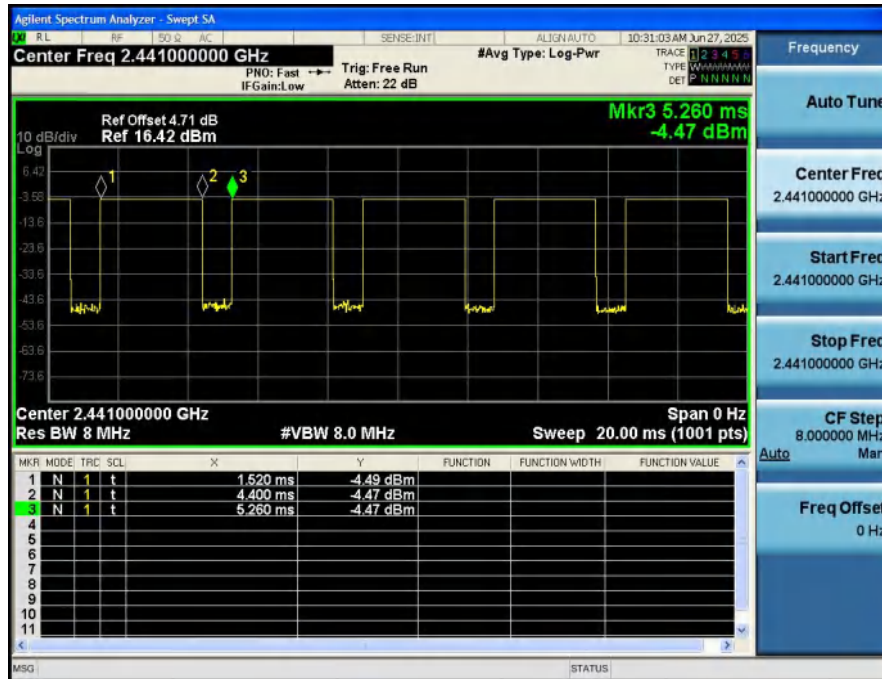
Appendix A: Duty Cycle

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

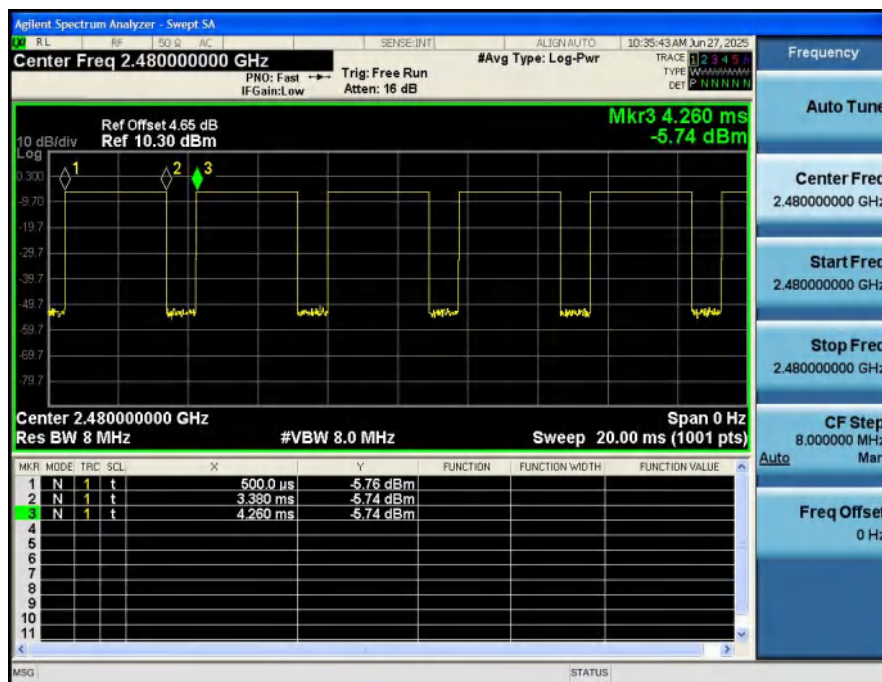
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Duty_Cycle_NVNT_ANT1_1-DH5_2441



Duty_Cycle_NVNT_ANT1_1-DH5_2480

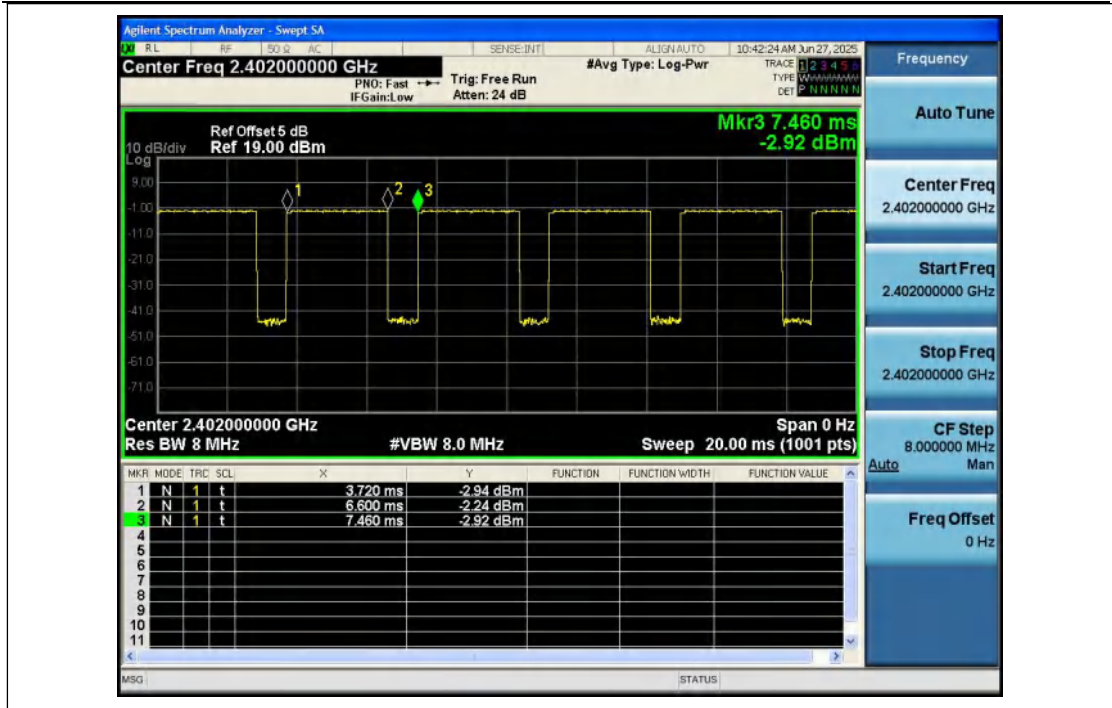


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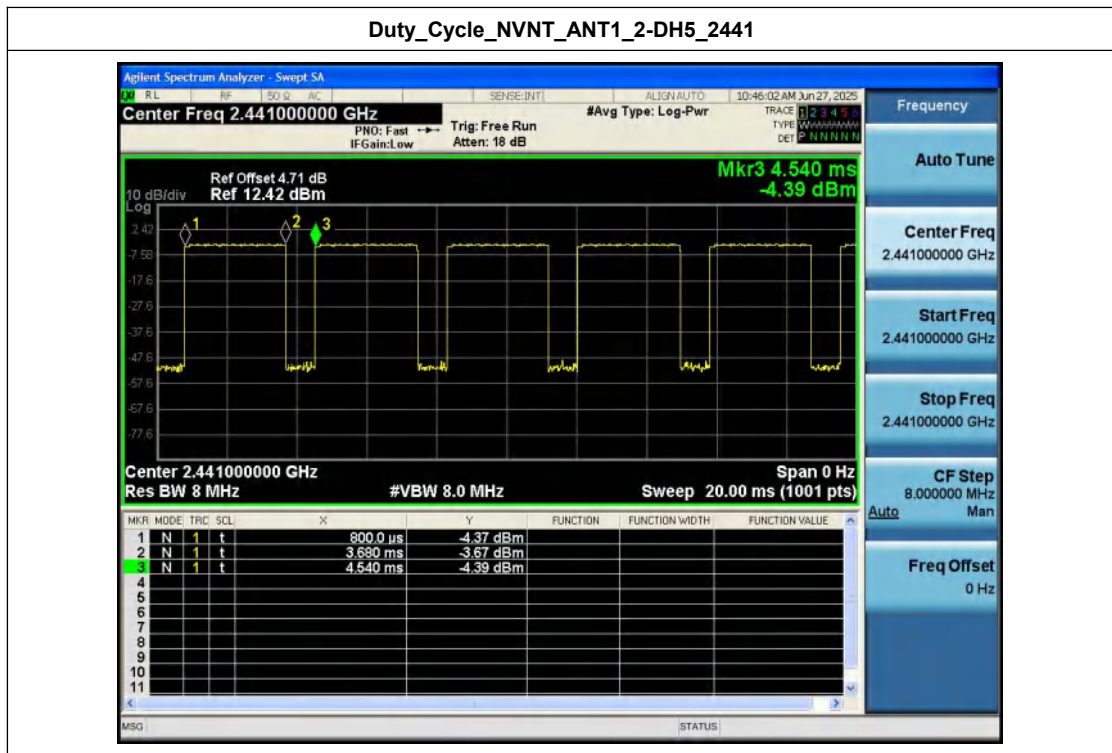
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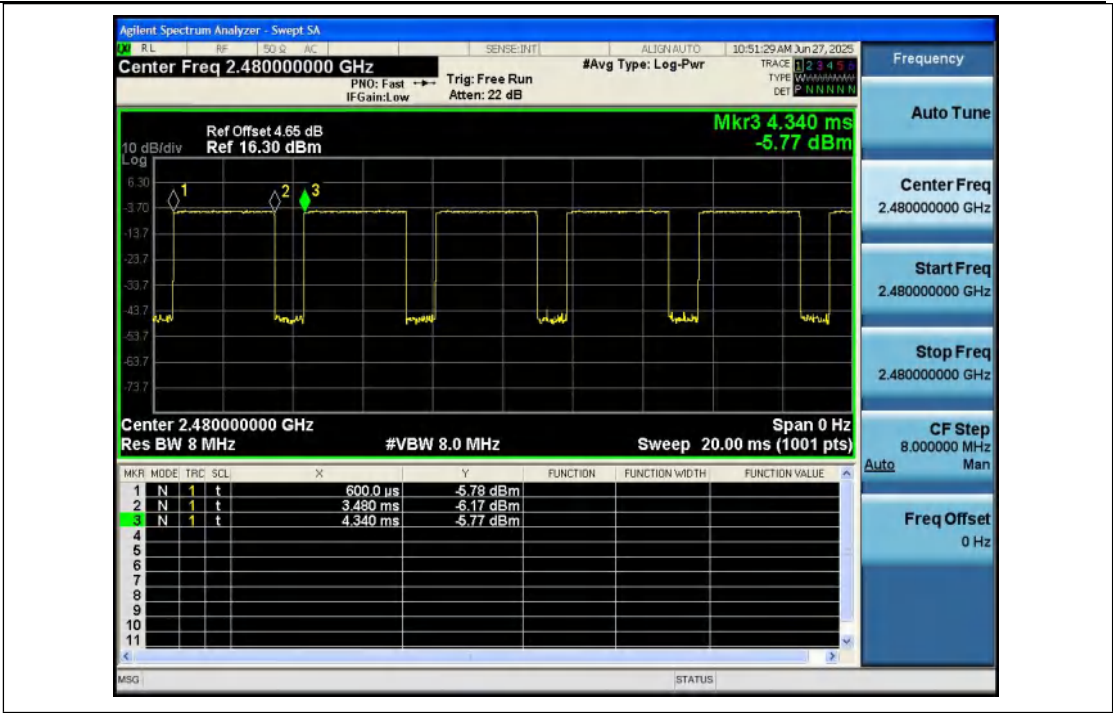
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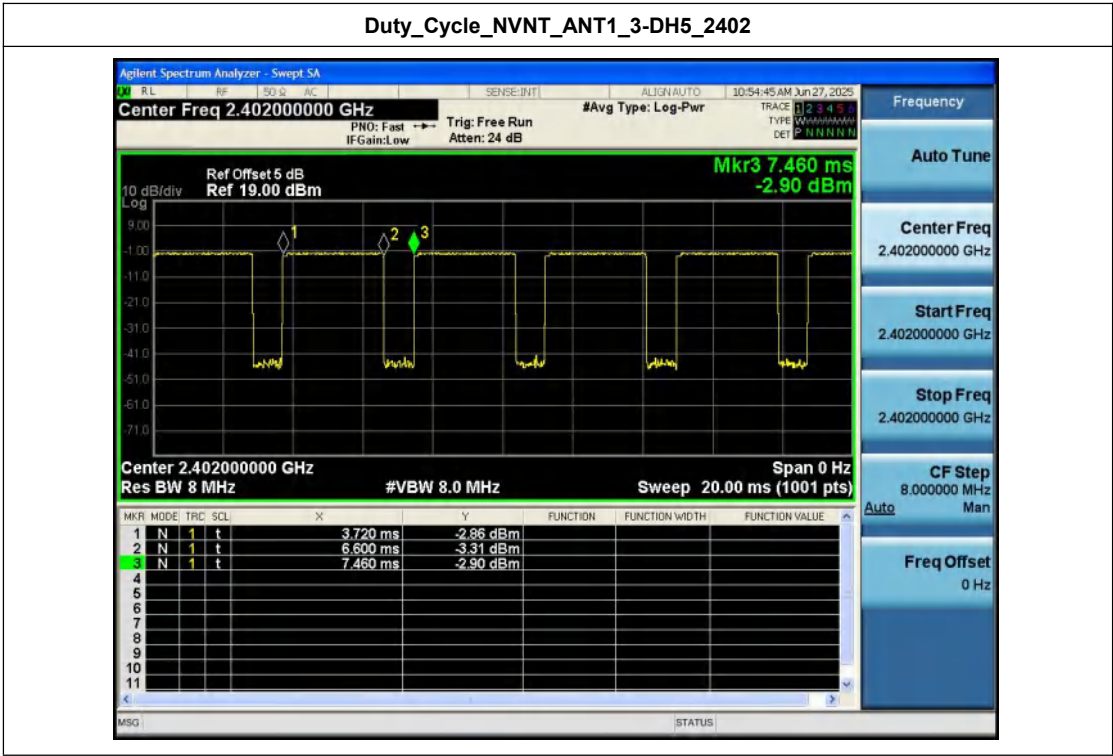
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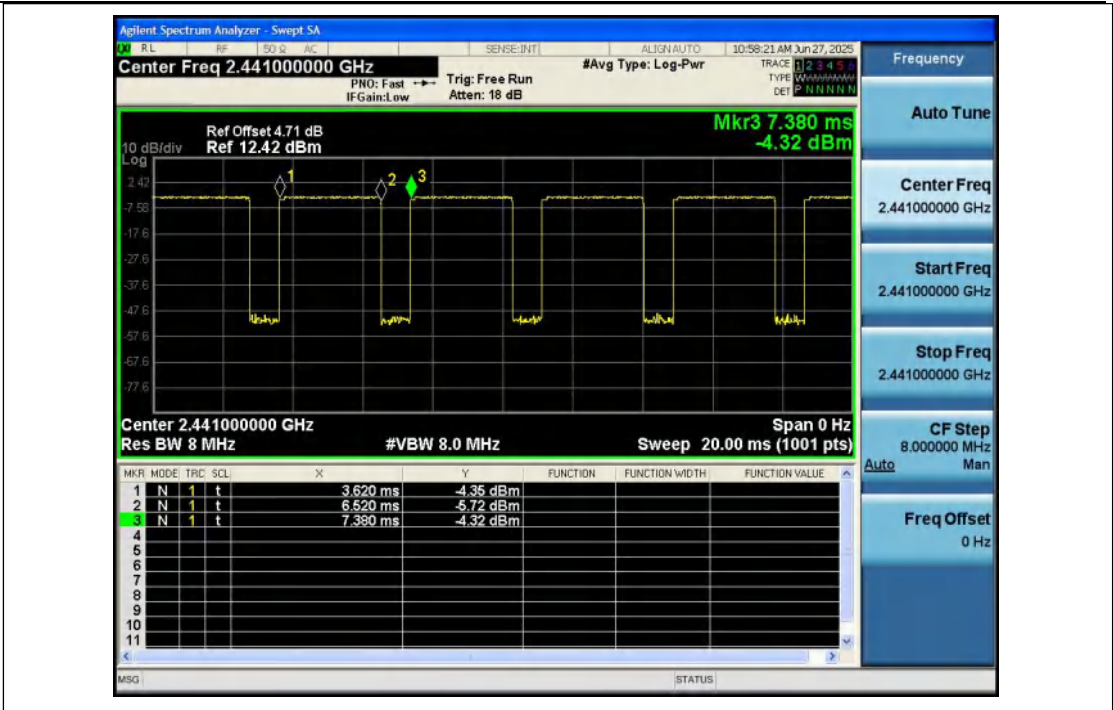
Duty_Cycle_NVNT_ANT1_2-DH5_2480



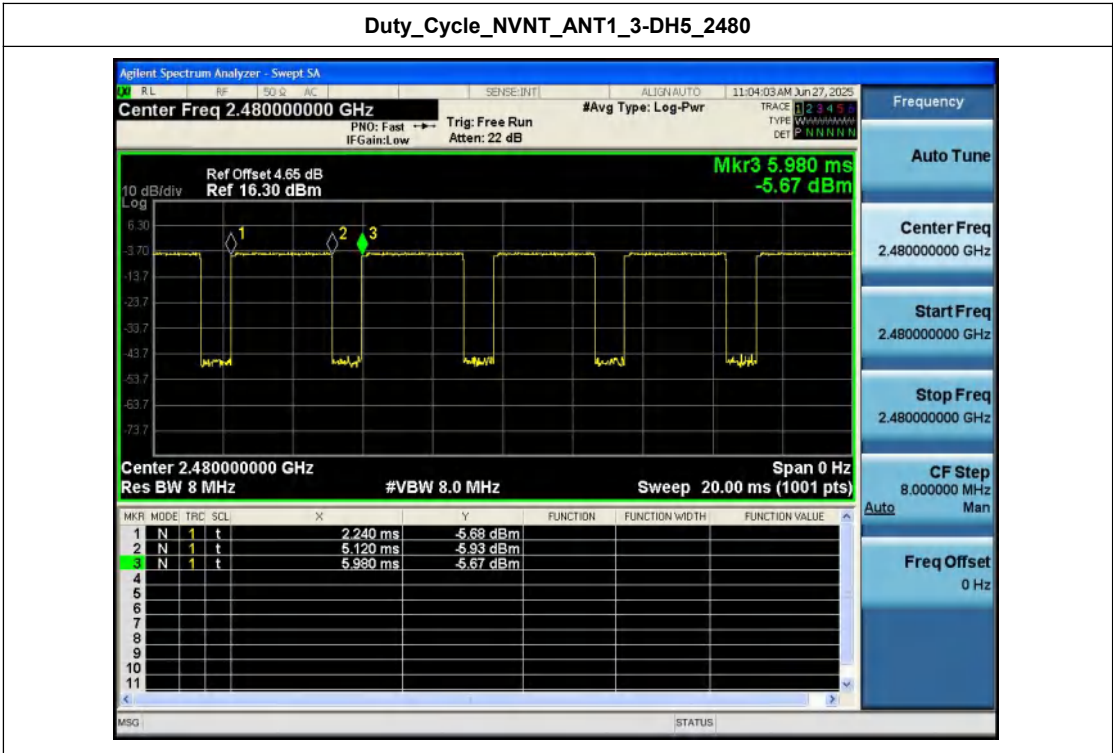
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



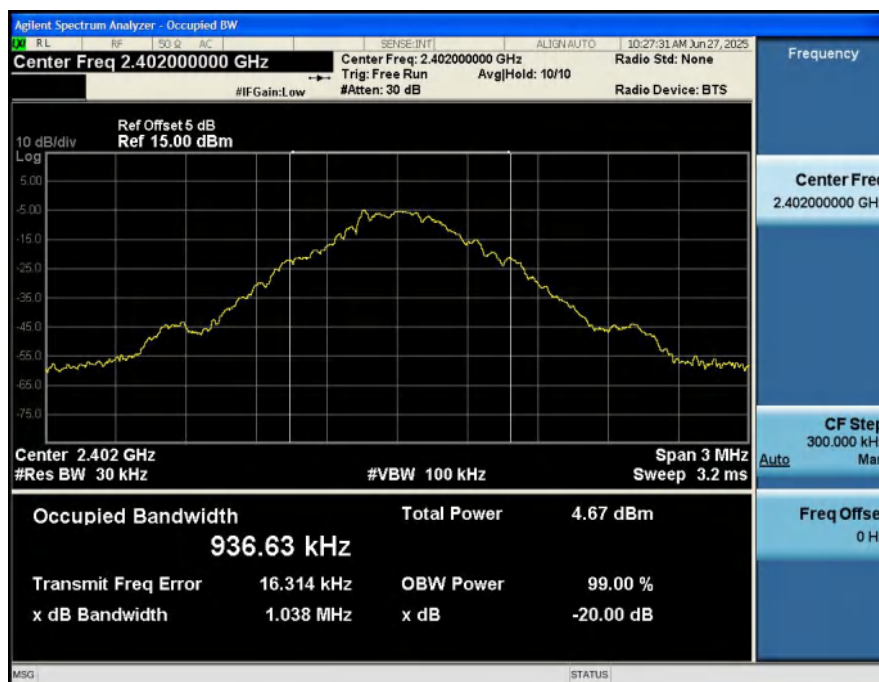
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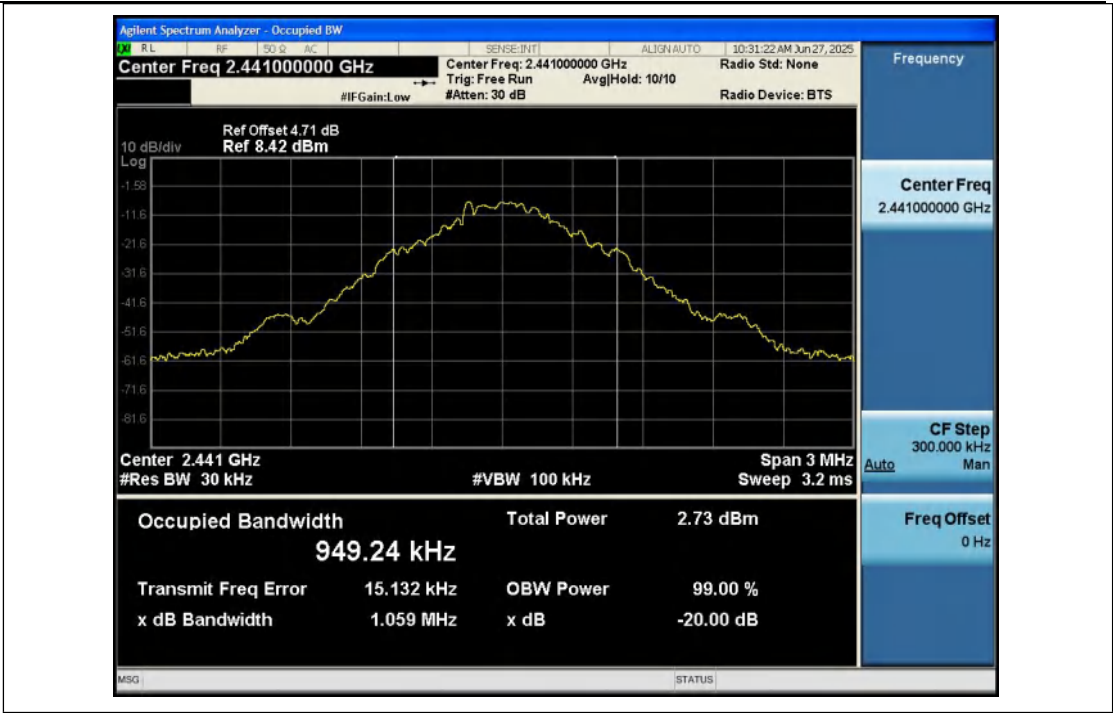
Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	1.038	Yes
NVNT	ANT1	1-DH5	2441.00	1.059	Yes
NVNT	ANT1	1-DH5	2480.00	1.052	Yes
NVNT	ANT1	2-DH5	2402.00	1.336	Yes
NVNT	ANT1	2-DH5	2441.00	1.335	Yes
NVNT	ANT1	2-DH5	2480.00	1.337	Yes
NVNT	ANT1	3-DH5	2402.00	1.297	Yes
NVNT	ANT1	3-DH5	2441.00	1.293	Yes
NVNT	ANT1	3-DH5	2480.00	1.292	Yes

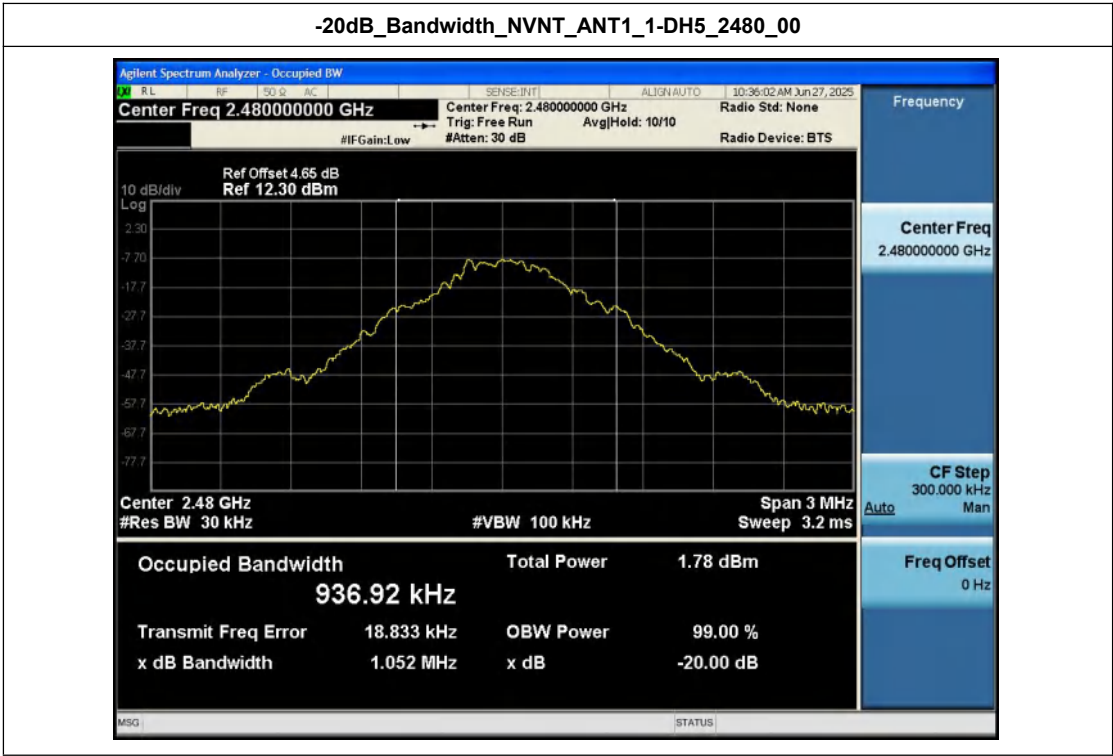
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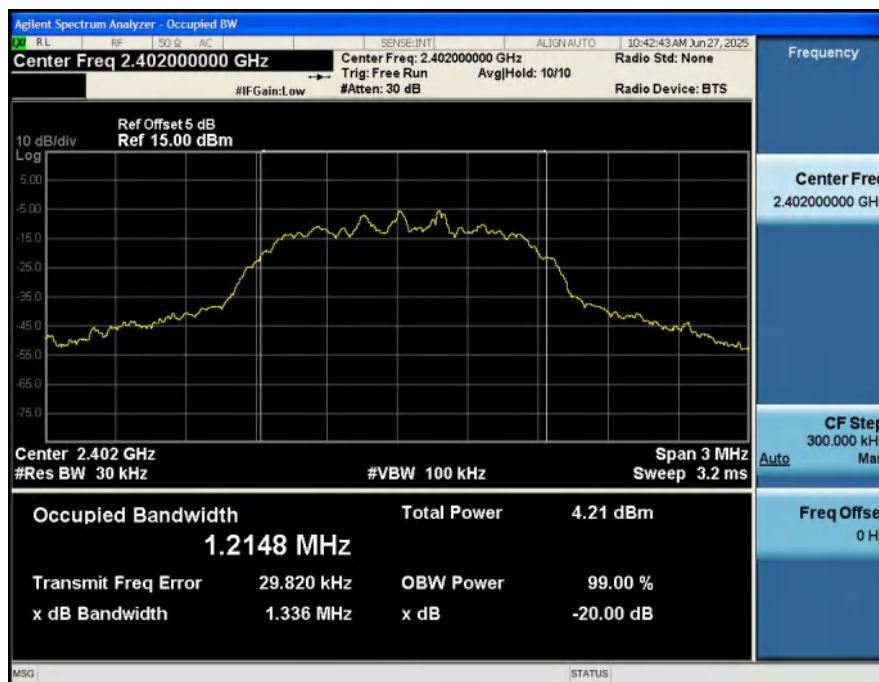
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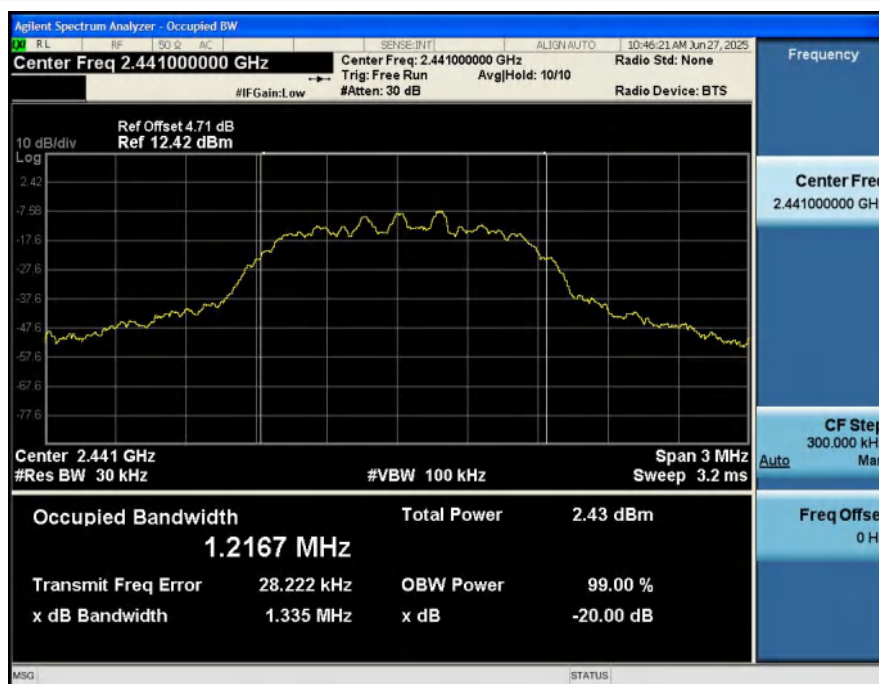
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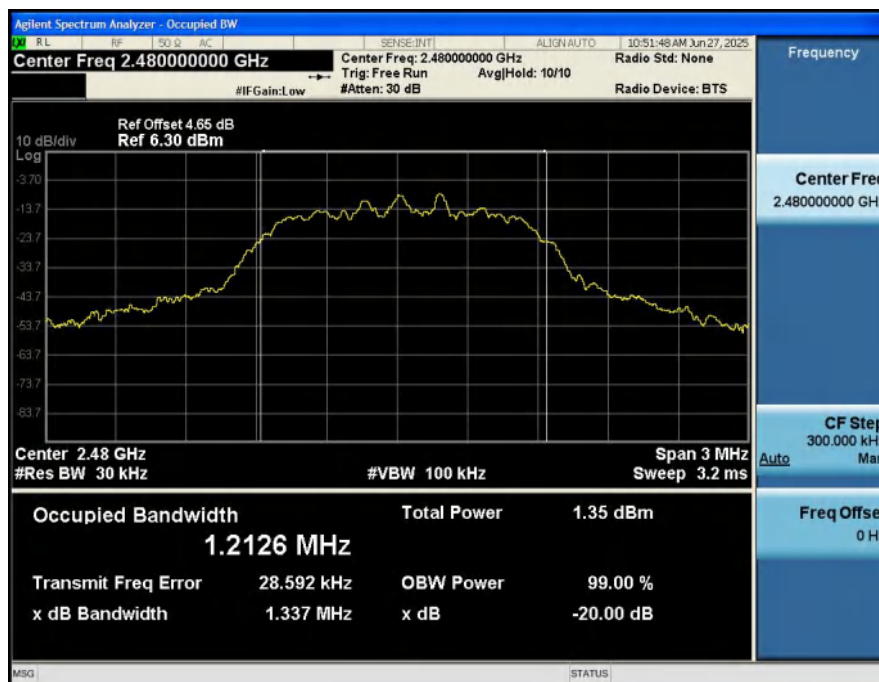
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-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441_00



-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00

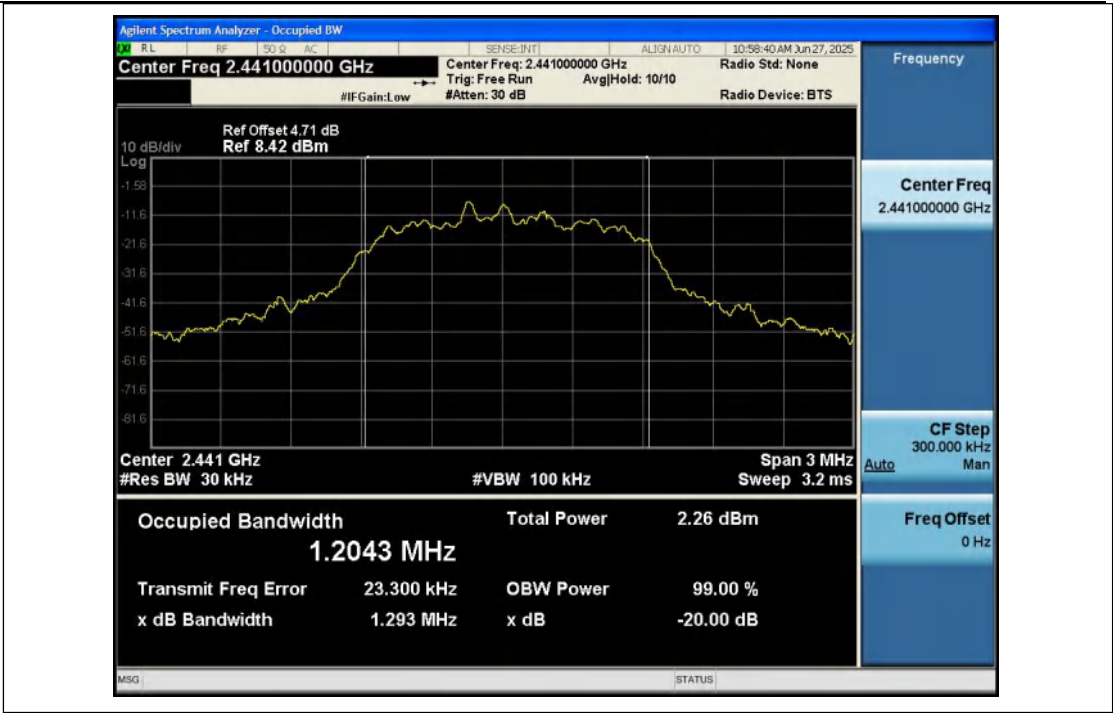


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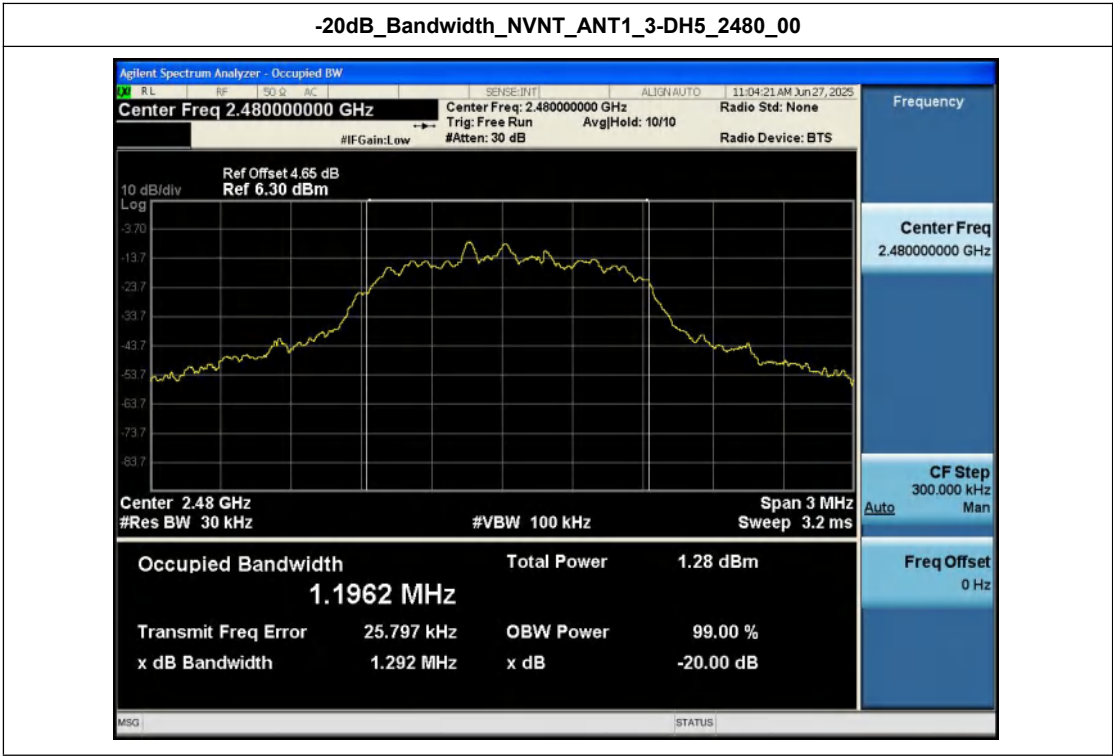
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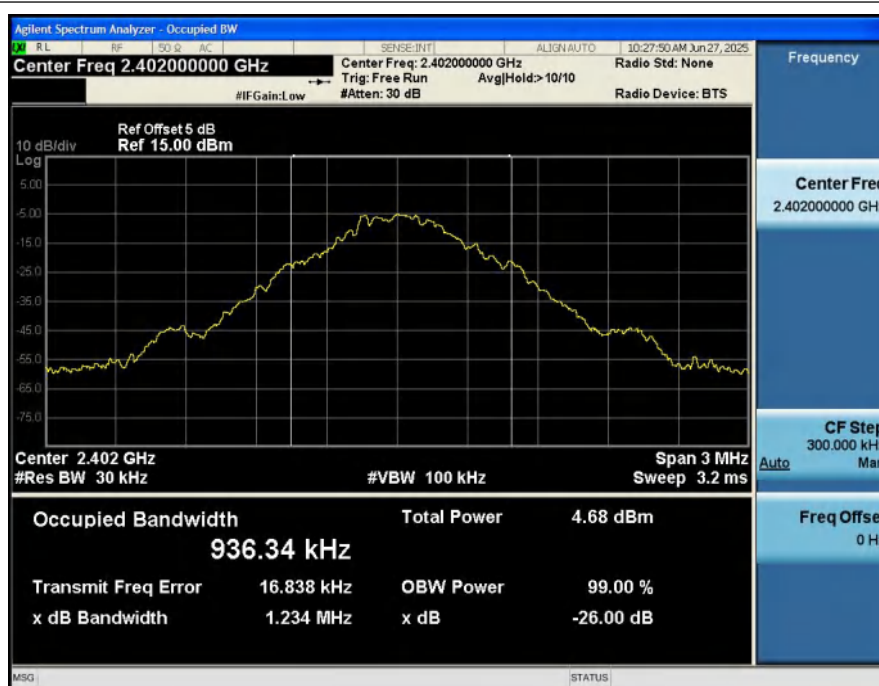
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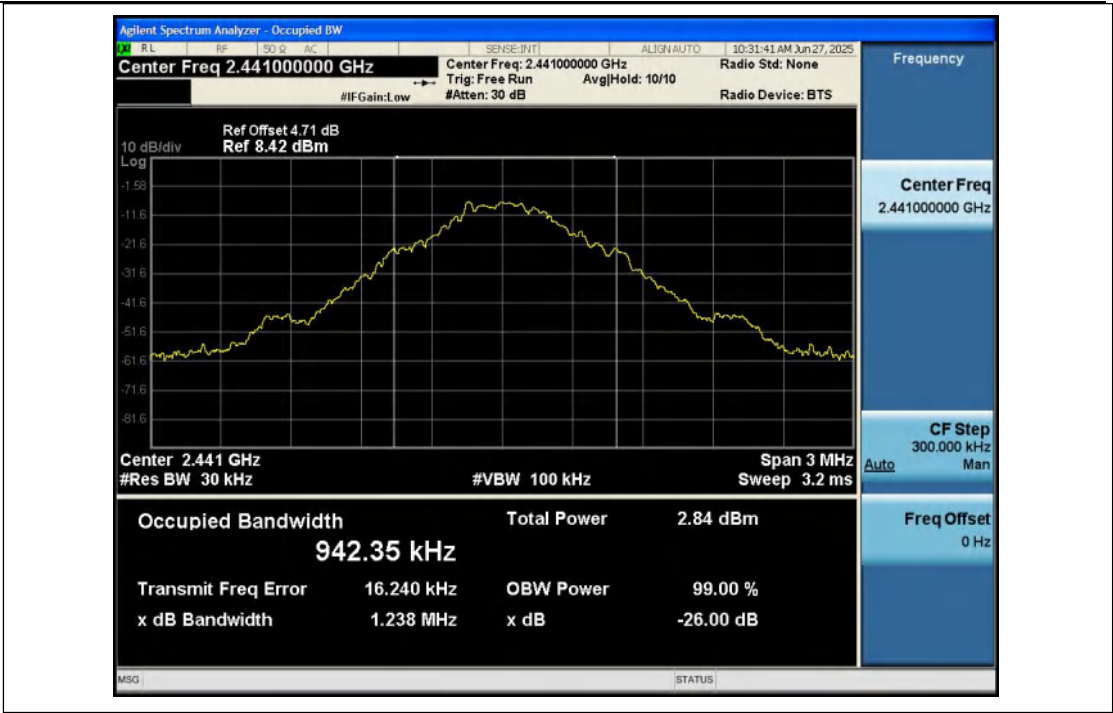
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.936
NVNT	ANT1	1-DH5	2441.00	0.942
NVNT	ANT1	1-DH5	2480.00	0.940
NVNT	ANT1	2-DH5	2402.00	1.210
NVNT	ANT1	2-DH5	2441.00	1.222
NVNT	ANT1	2-DH5	2480.00	1.210
NVNT	ANT1	3-DH5	2402.00	1.209
NVNT	ANT1	3-DH5	2441.00	1.204
NVNT	ANT1	3-DH5	2480.00	1.195

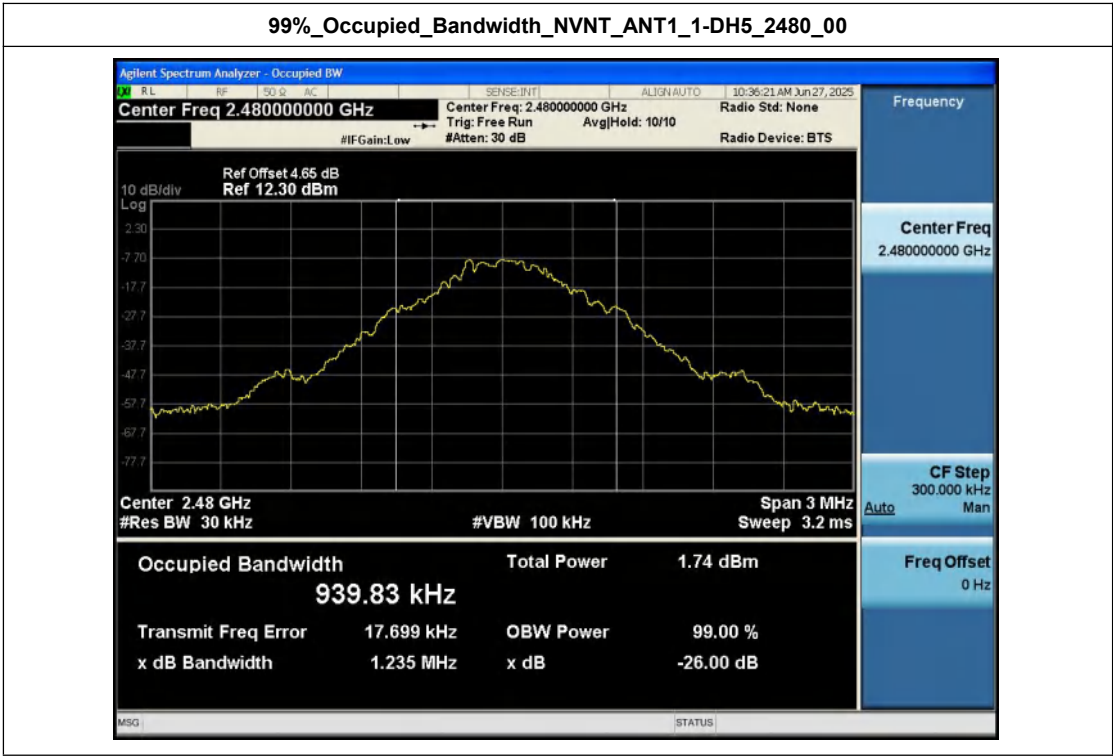
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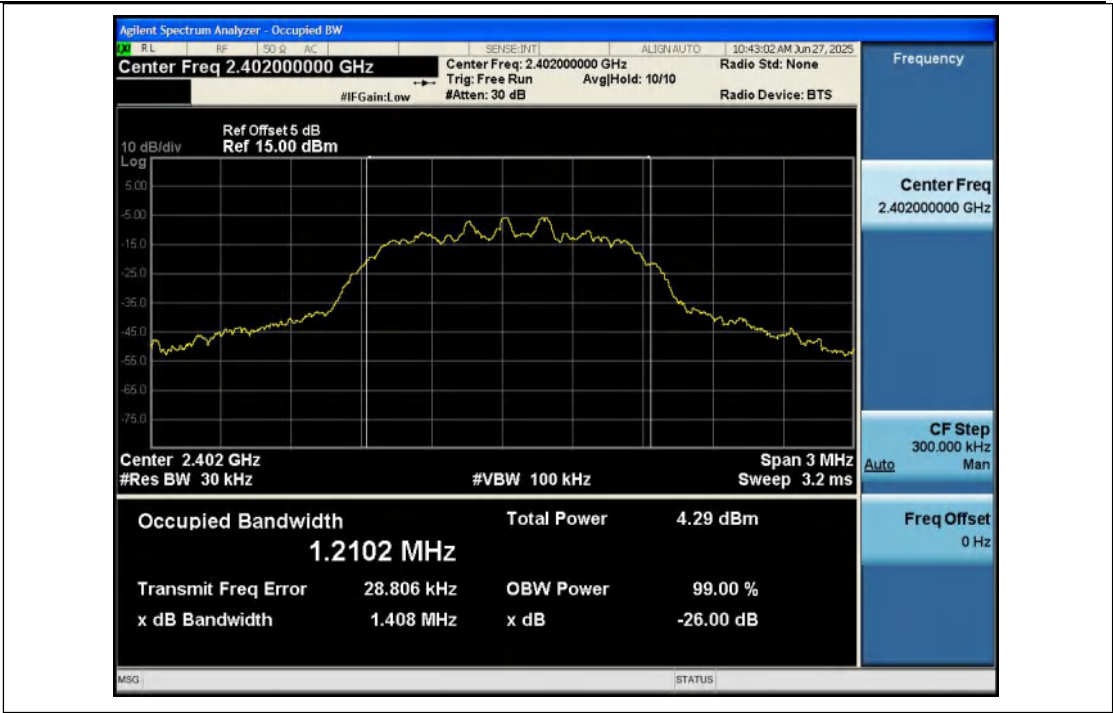
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



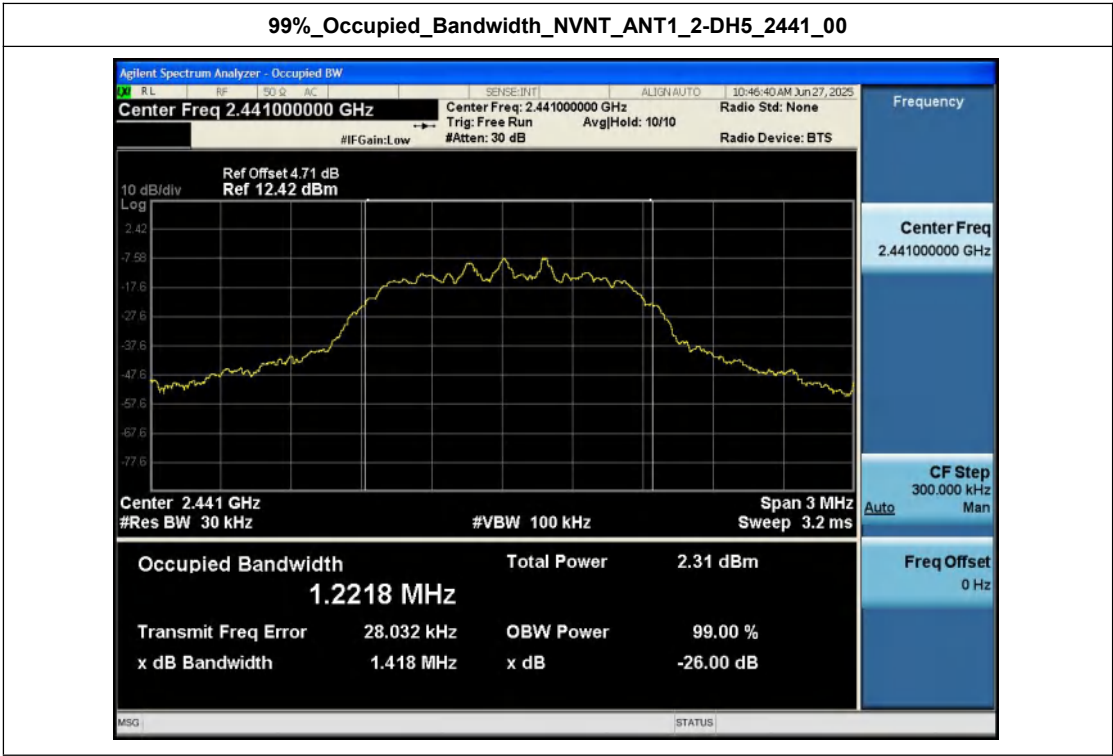
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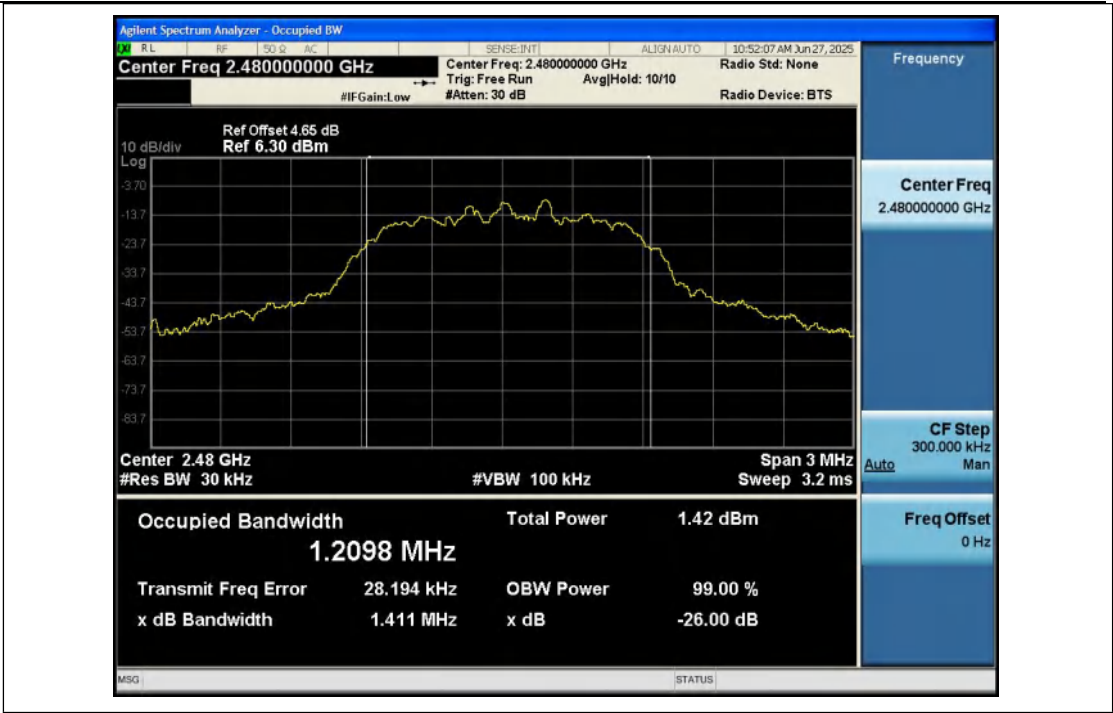
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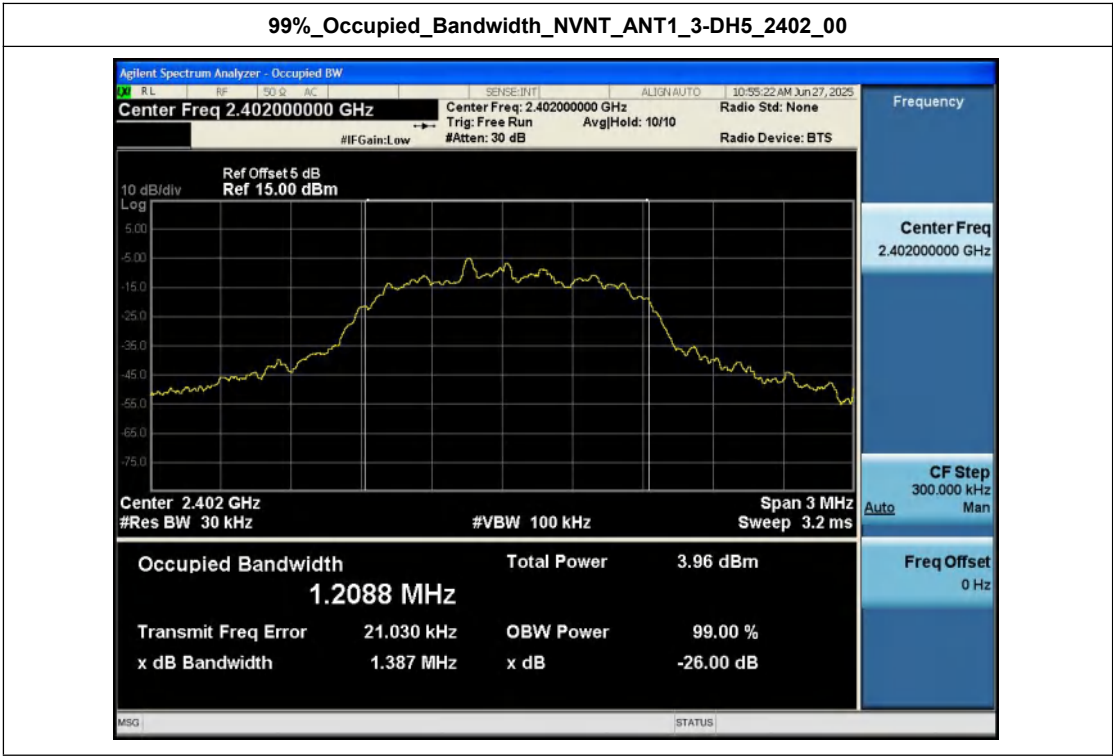
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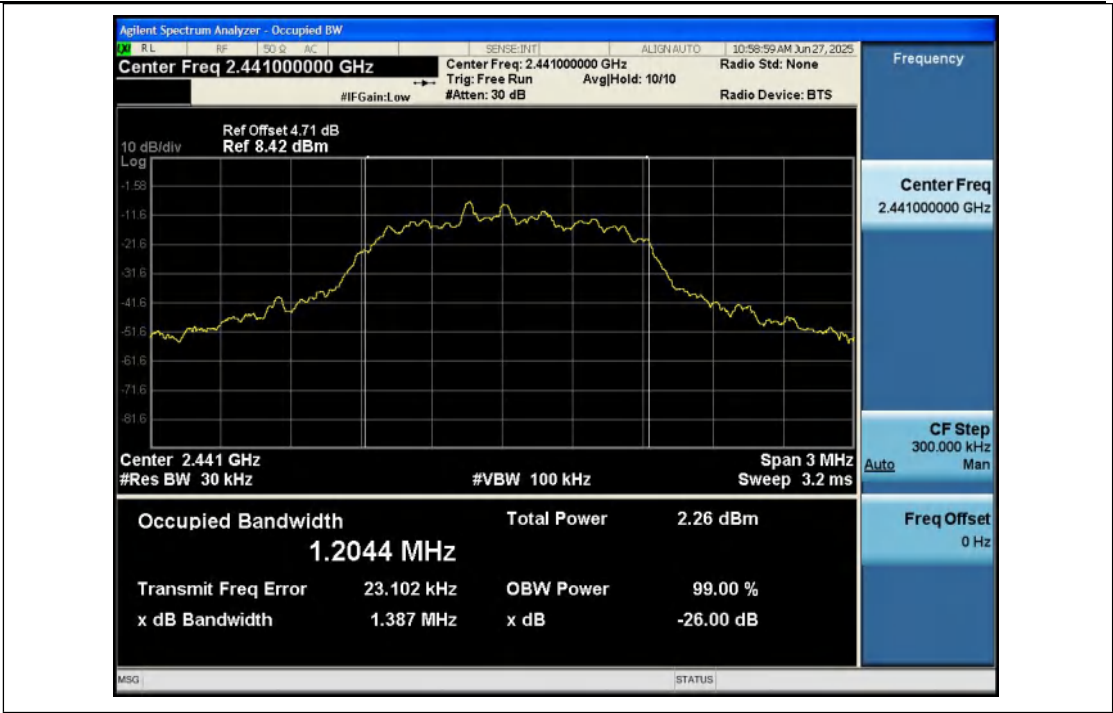
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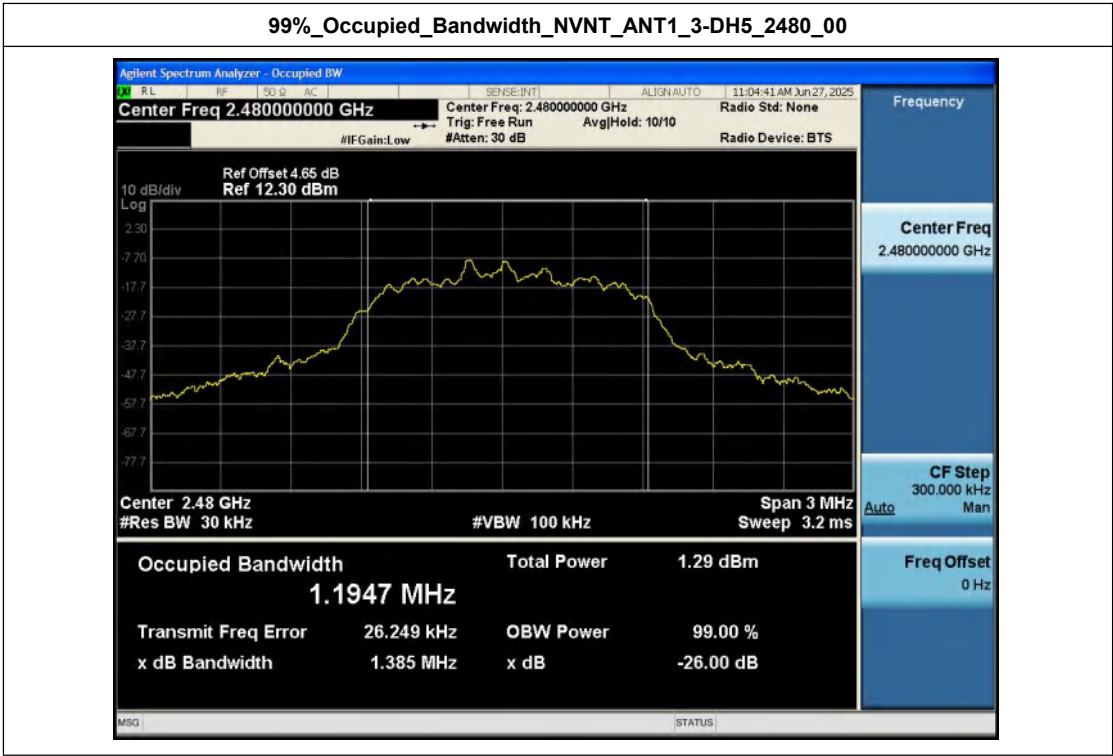
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00



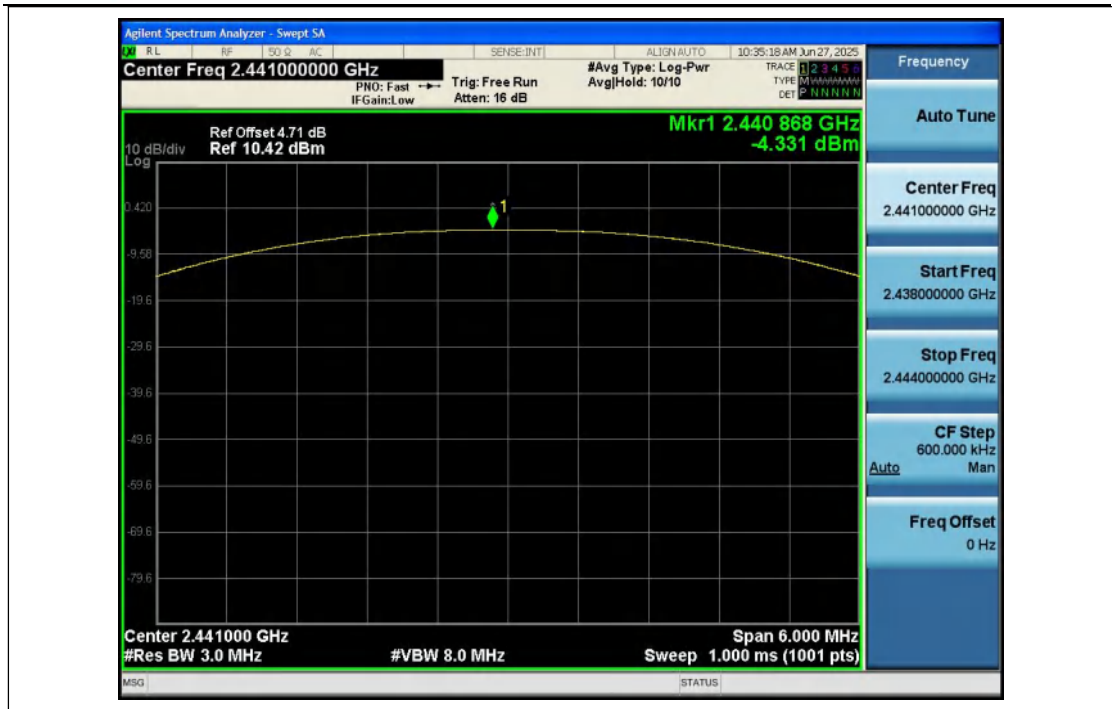
Appendix D: Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	-2.86	0.52	125	Pass
NVNT	ANT1	1-DH5	2441.00	-4.33	0.37	125	Pass
NVNT	ANT1	1-DH5	2480.00	-5.80	0.26	125	Pass
NVNT	ANT1	2-DH5	2402.00	-1.95	0.64	125	Pass
NVNT	ANT1	2-DH5	2441.00	-3.43	0.45	125	Pass
NVNT	ANT1	2-DH5	2480.00	-4.72	0.34	125	Pass
NVNT	ANT1	3-DH5	2402.00	-1.48	0.71	125	Pass
NVNT	ANT1	3-DH5	2441.00	-3.02	0.50	125	Pass
NVNT	ANT1	3-DH5	2480.00	-4.32	0.37	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



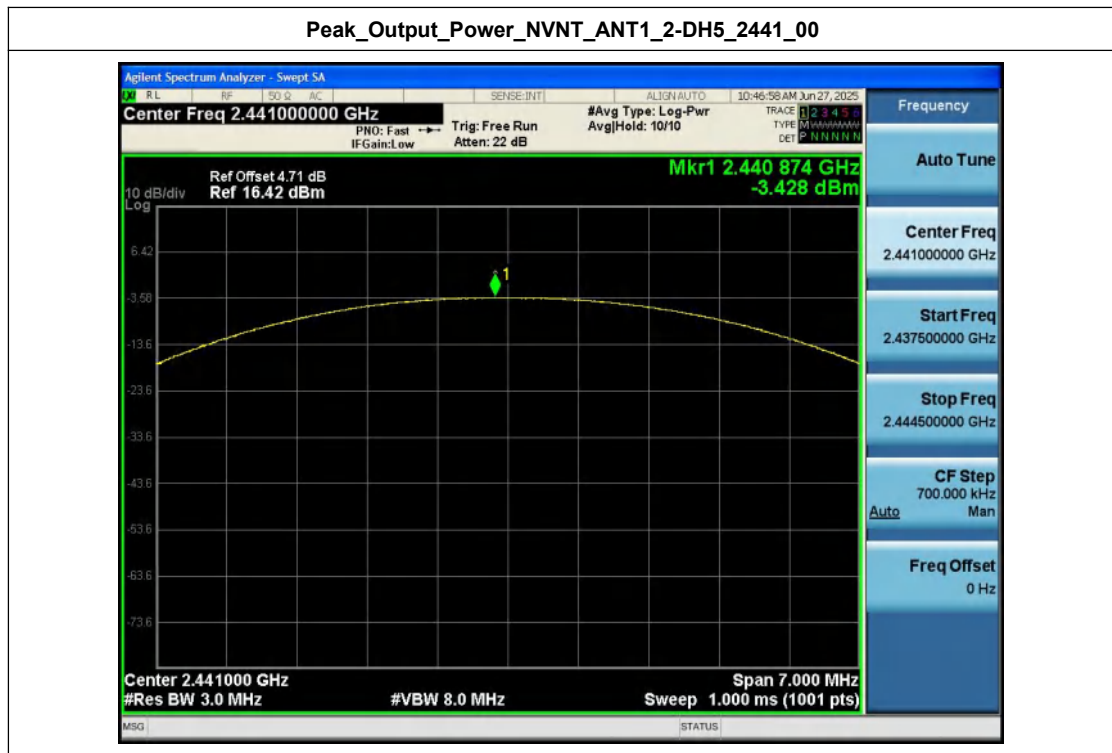
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



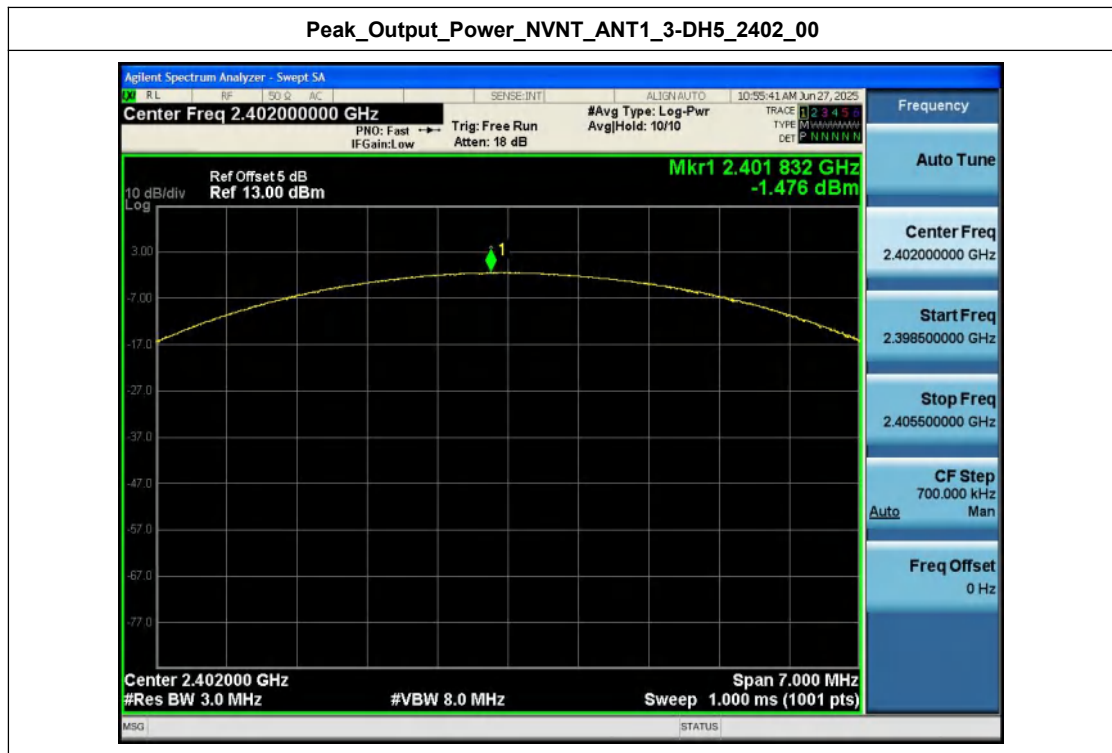
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



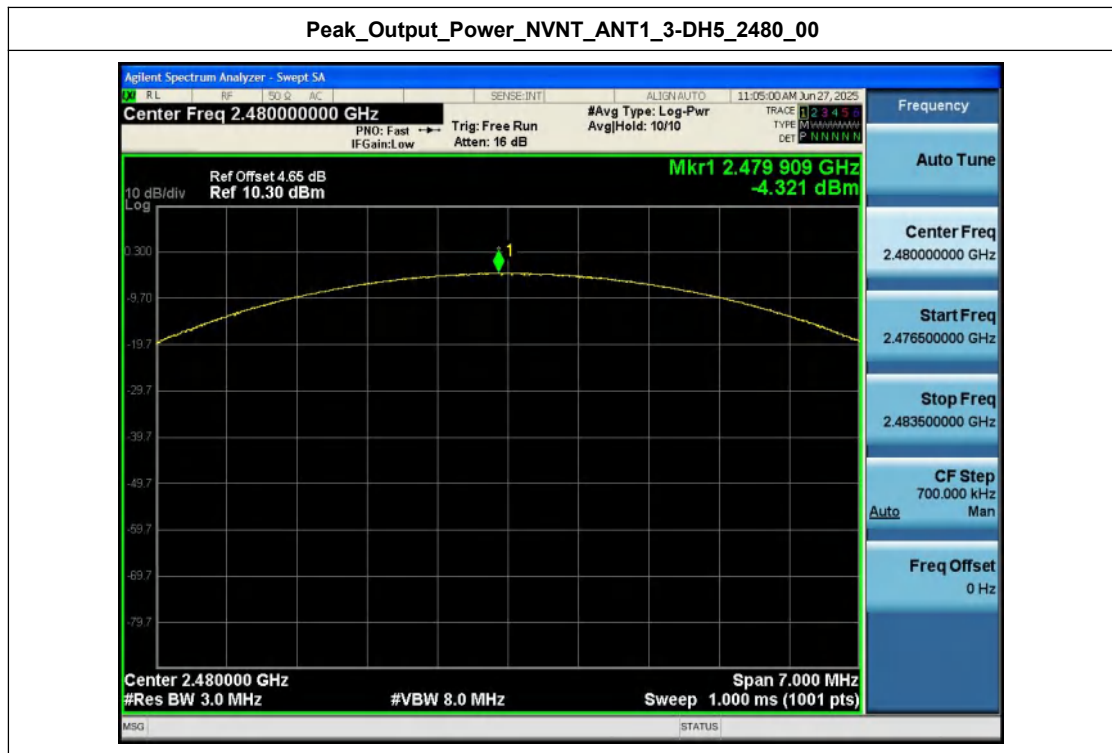
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Spurious Emissions

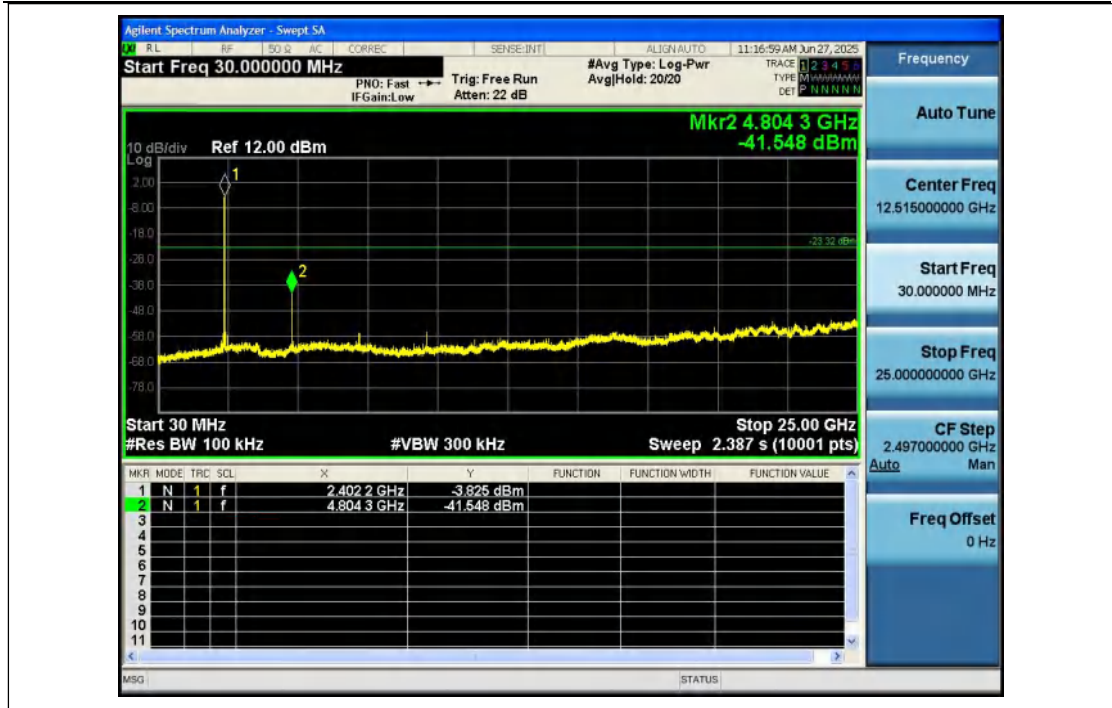
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-3.318	-41.548	-23.318	Pass
NVNT	ANT1	1-DH5	2441.00	-4.605	-26.593	-24.605	Pass
NVNT	ANT1	1-DH5	2480.00	-5.914	-42.099	-25.914	Pass
NVNT	ANT1	2-DH5	2402.00	-4.243	-41.395	-24.243	Pass
NVNT	ANT1	2-DH5	2441.00	-4.603	-42.262	-24.603	Pass
NVNT	ANT1	2-DH5	2480.00	-5.938	-45.561	-25.938	Pass
NVNT	ANT1	3-DH5	2402.00	-3.506	-42.827	-23.506	Pass
NVNT	ANT1	3-DH5	2441.00	-4.826	-43.708	-24.826	Pass
NVNT	ANT1	3-DH5	2480.00	-6.114	-43.589	-26.114	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.

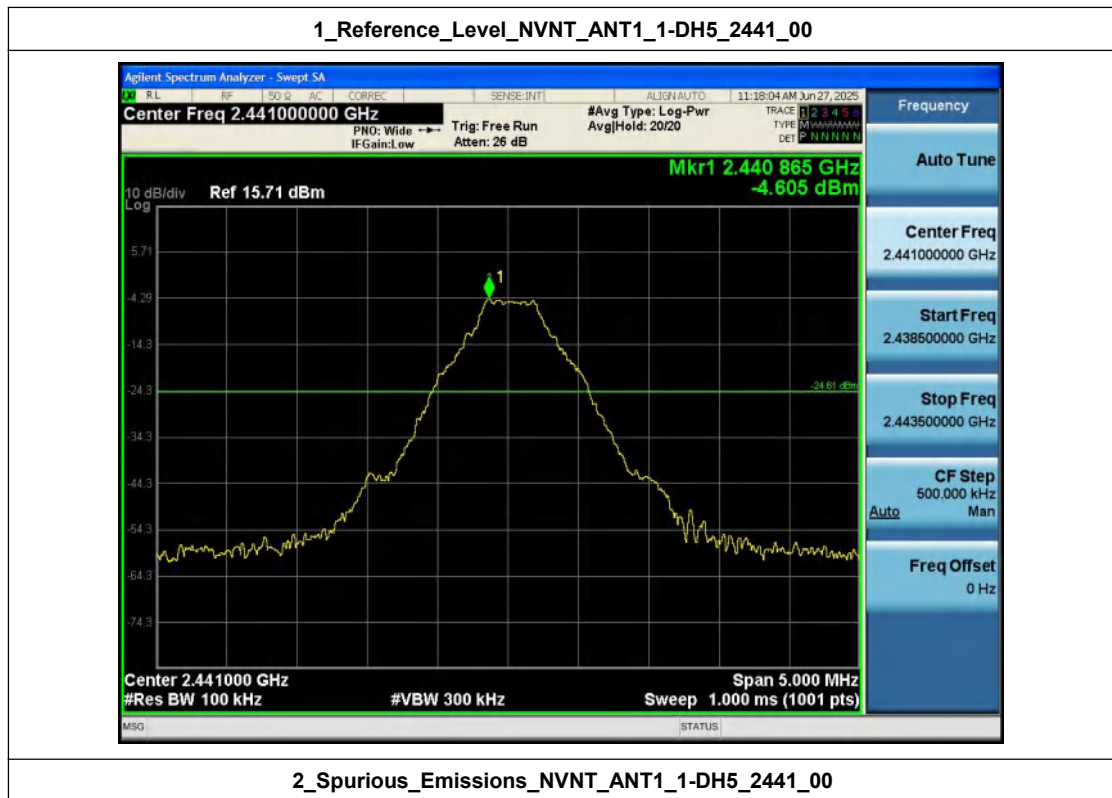
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2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



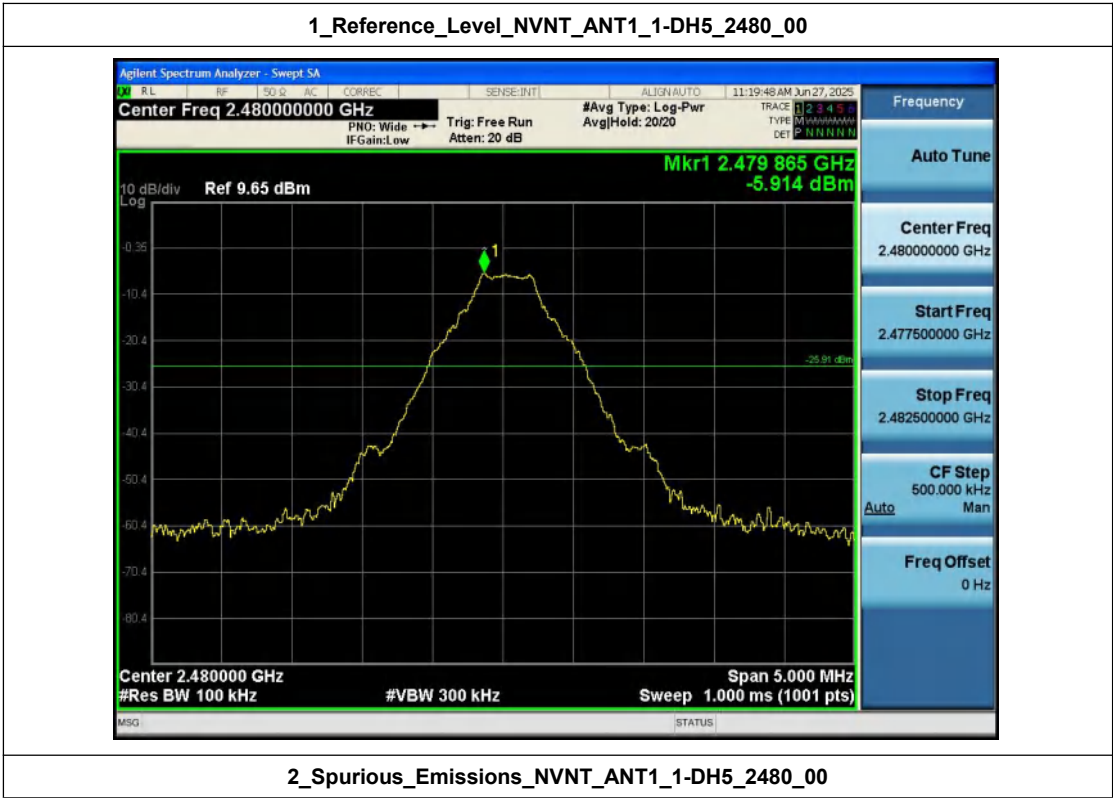
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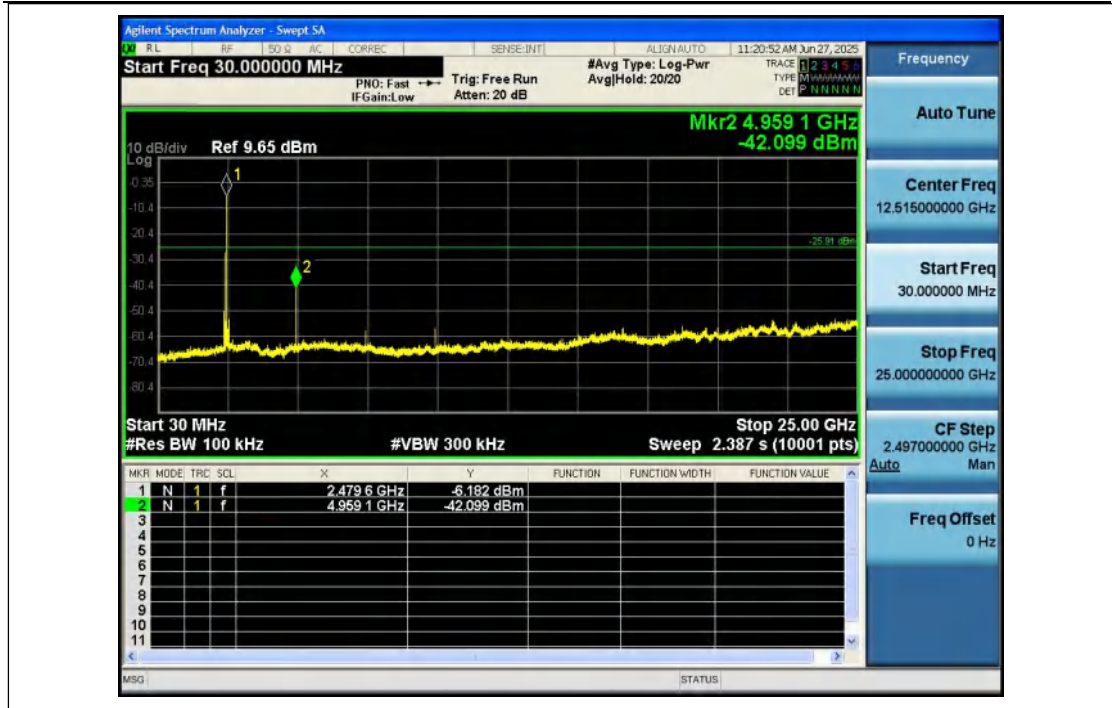
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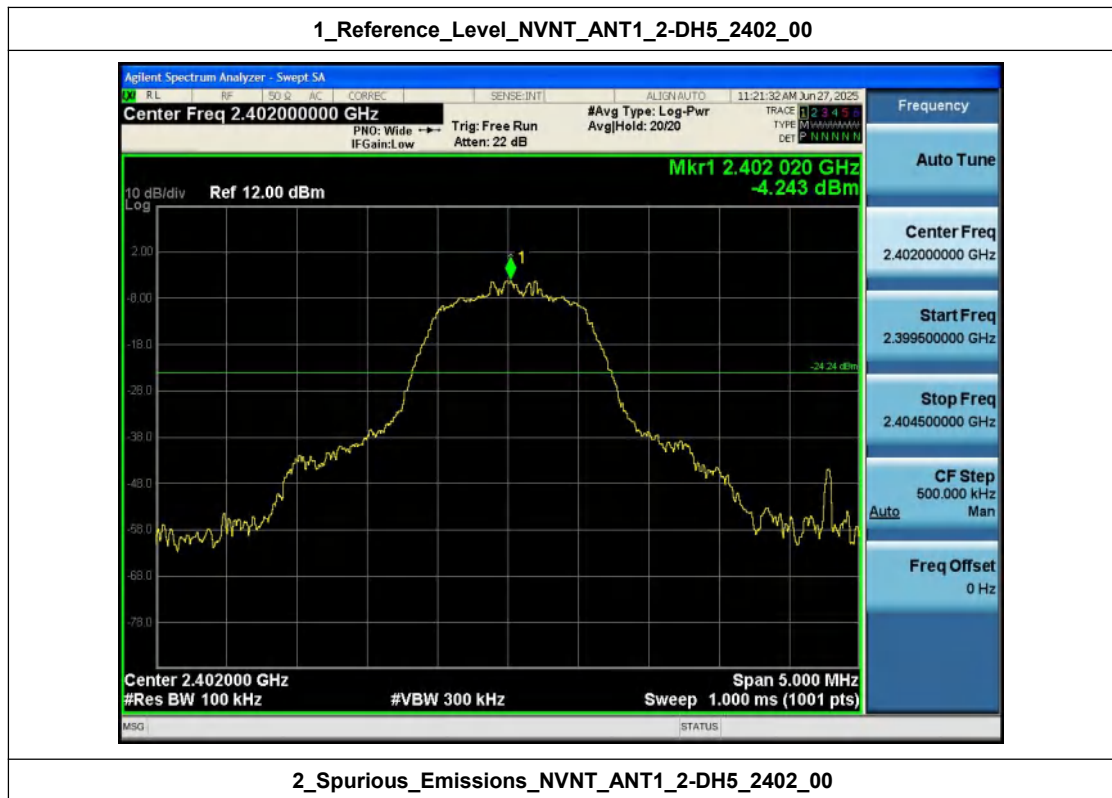
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1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

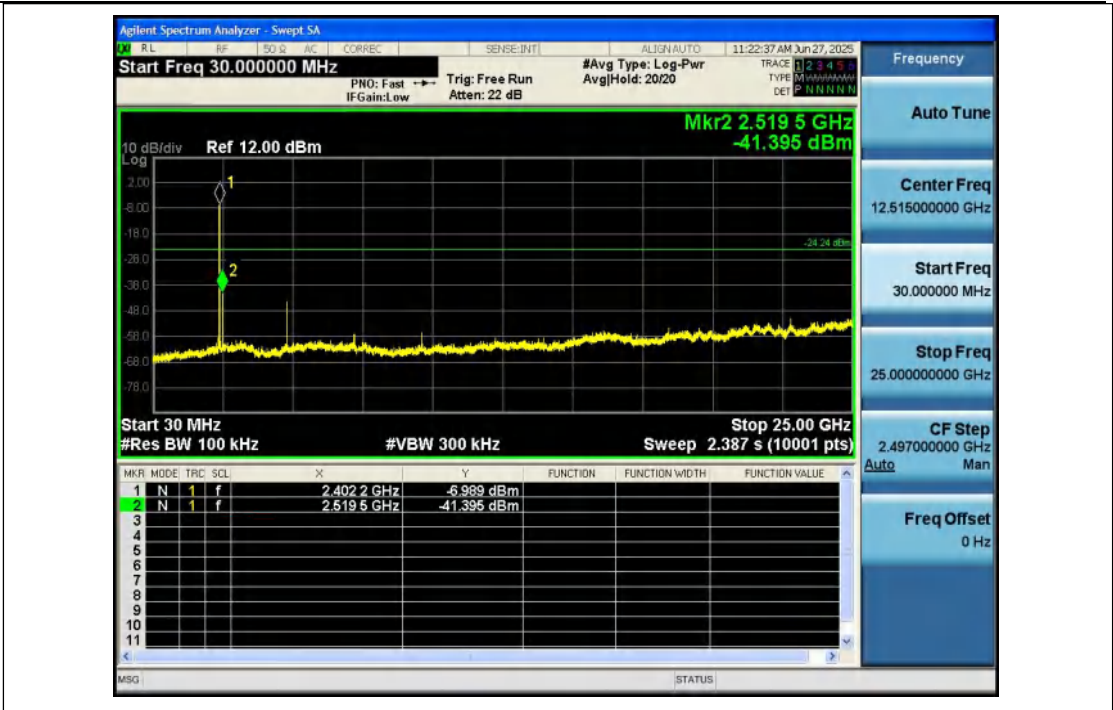


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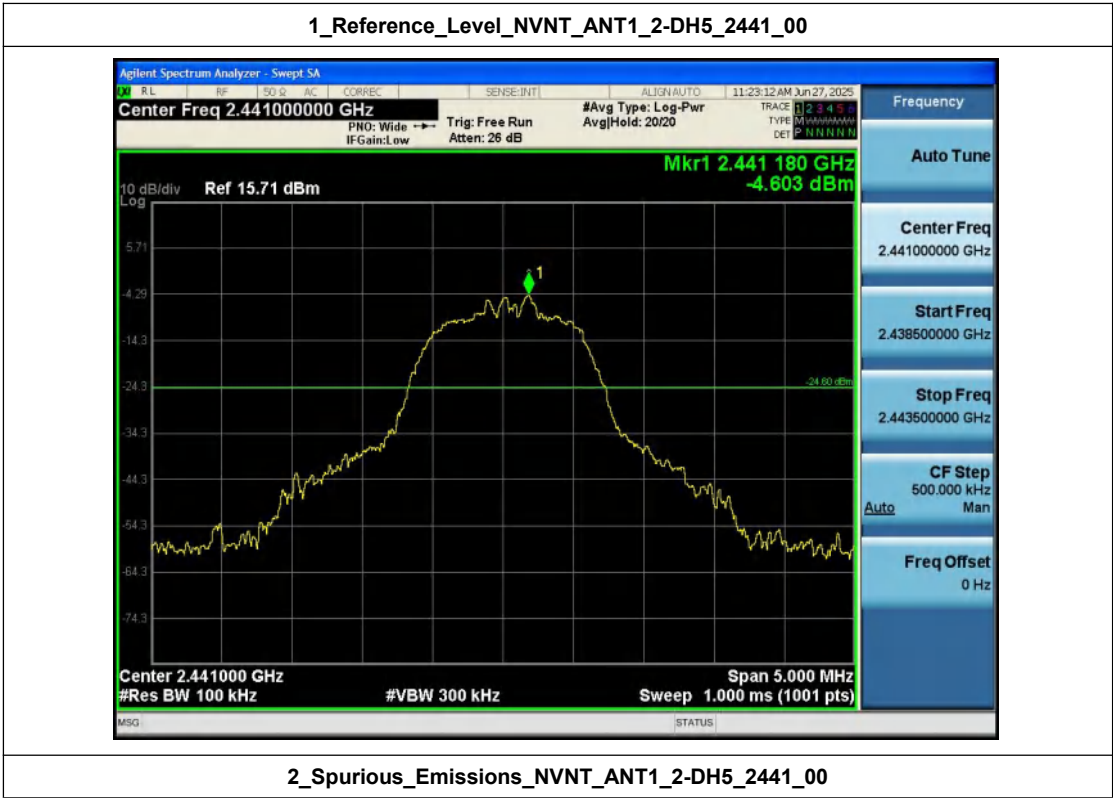
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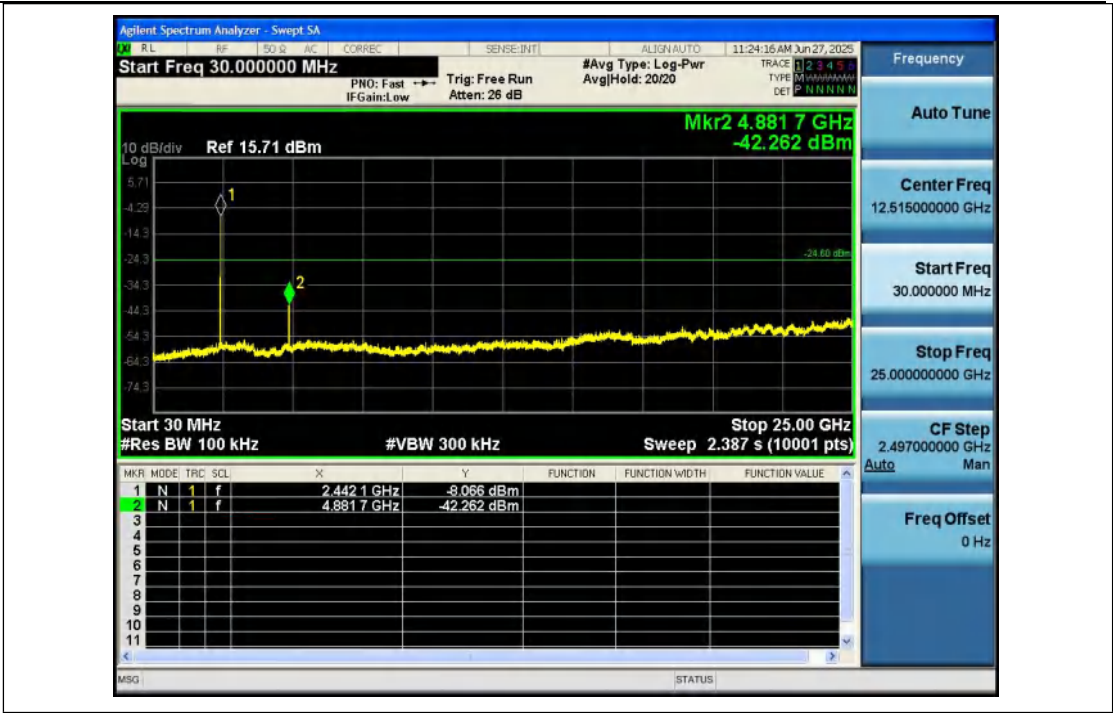
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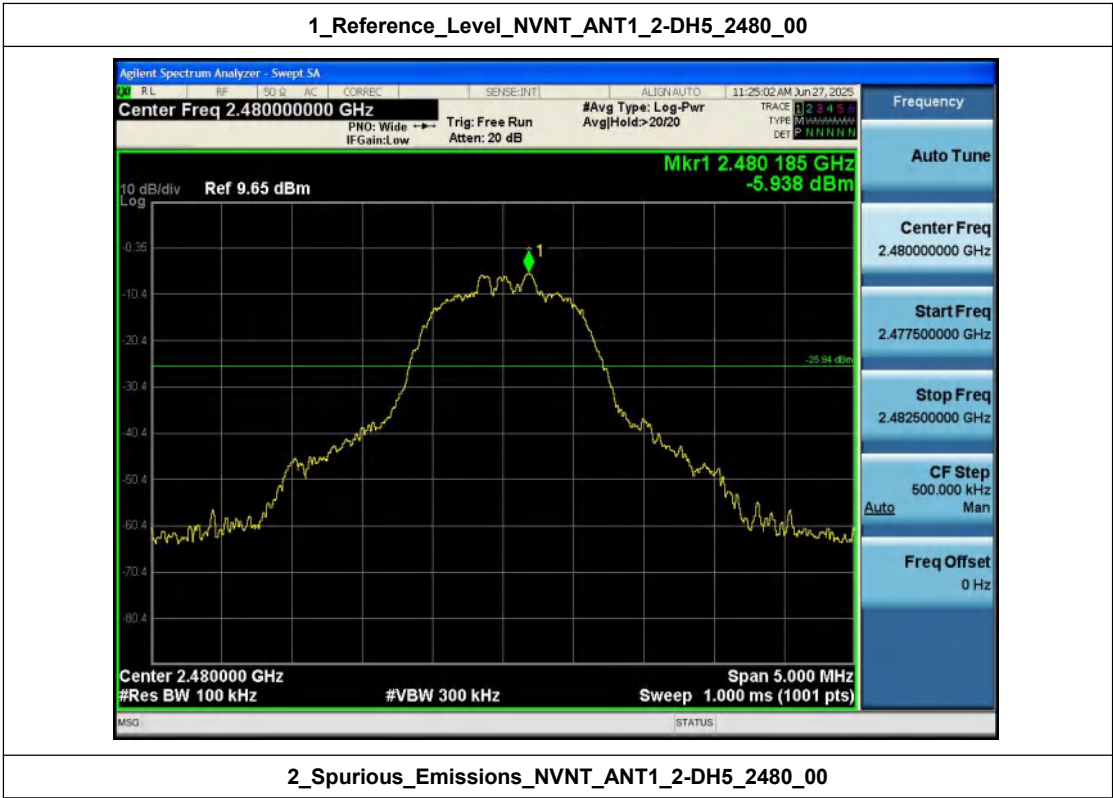
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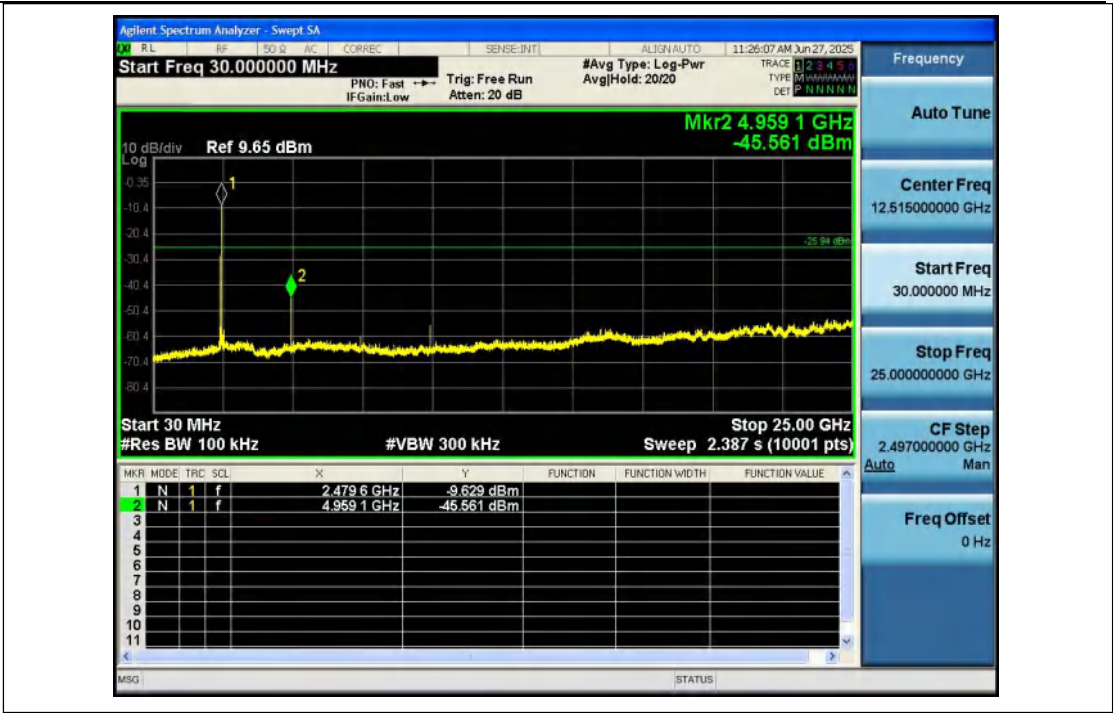
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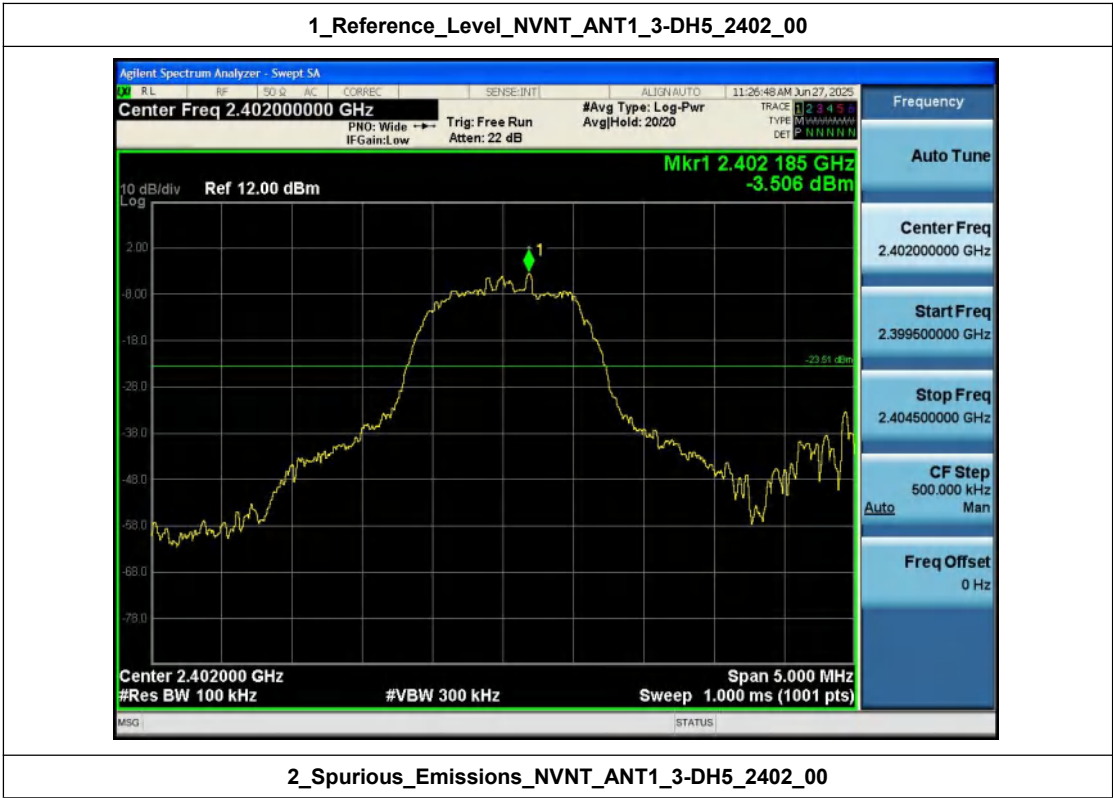
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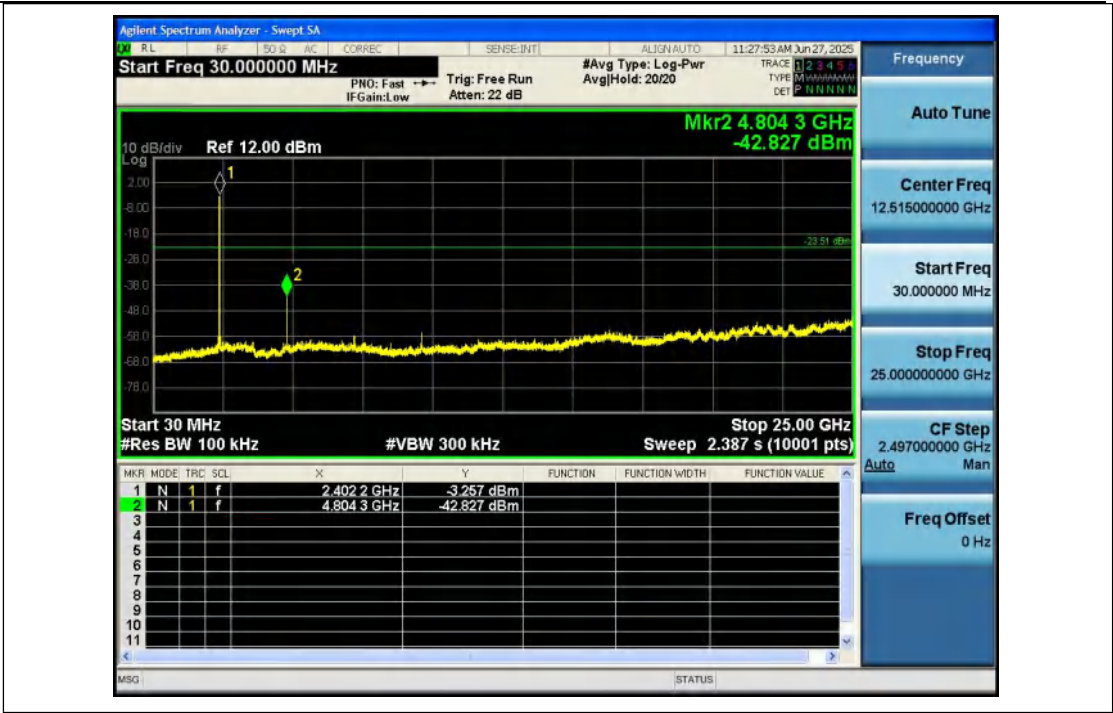
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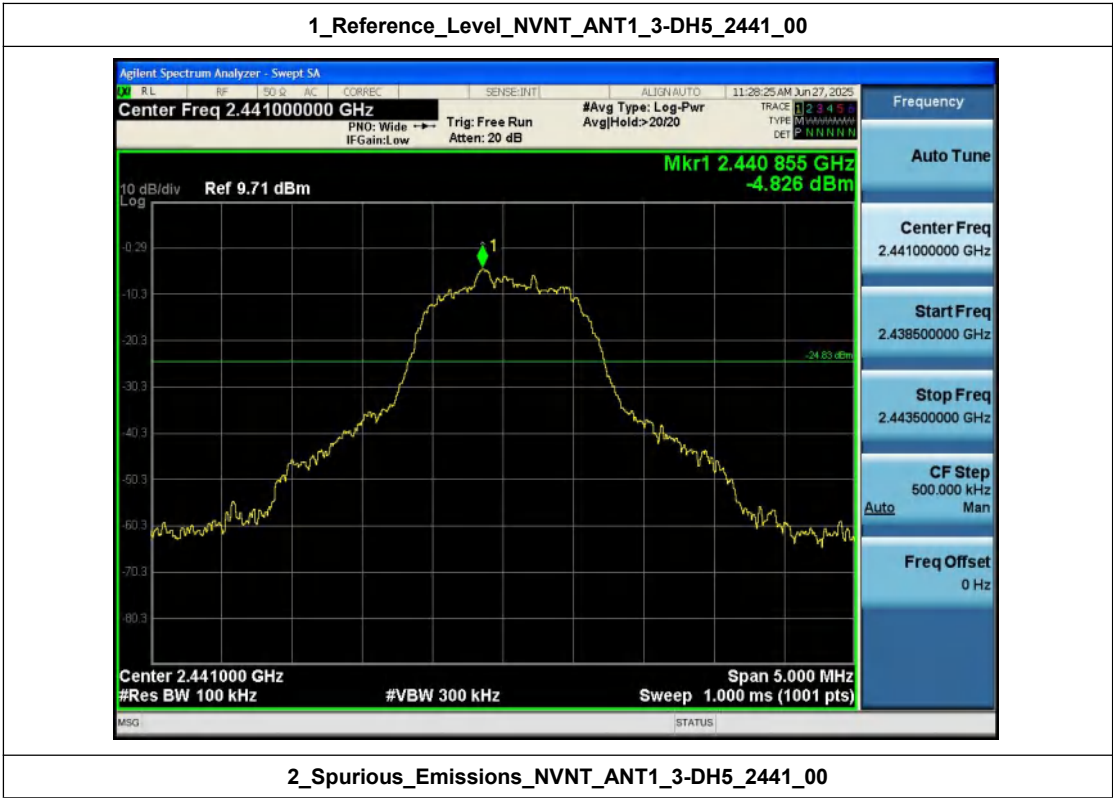
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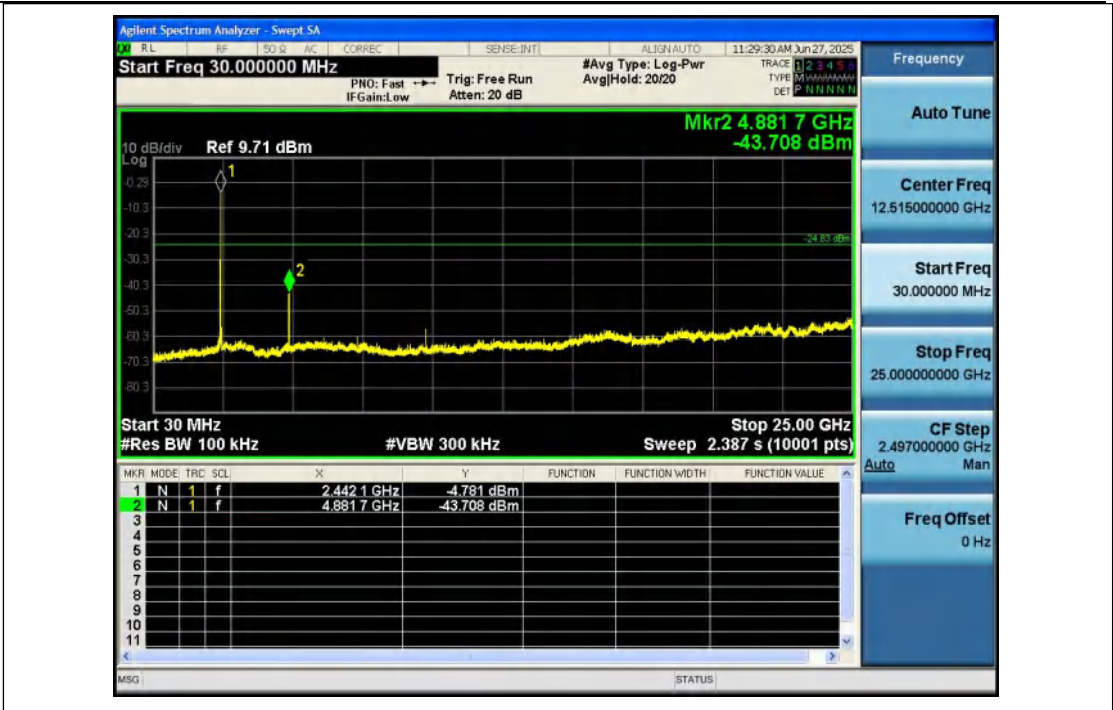
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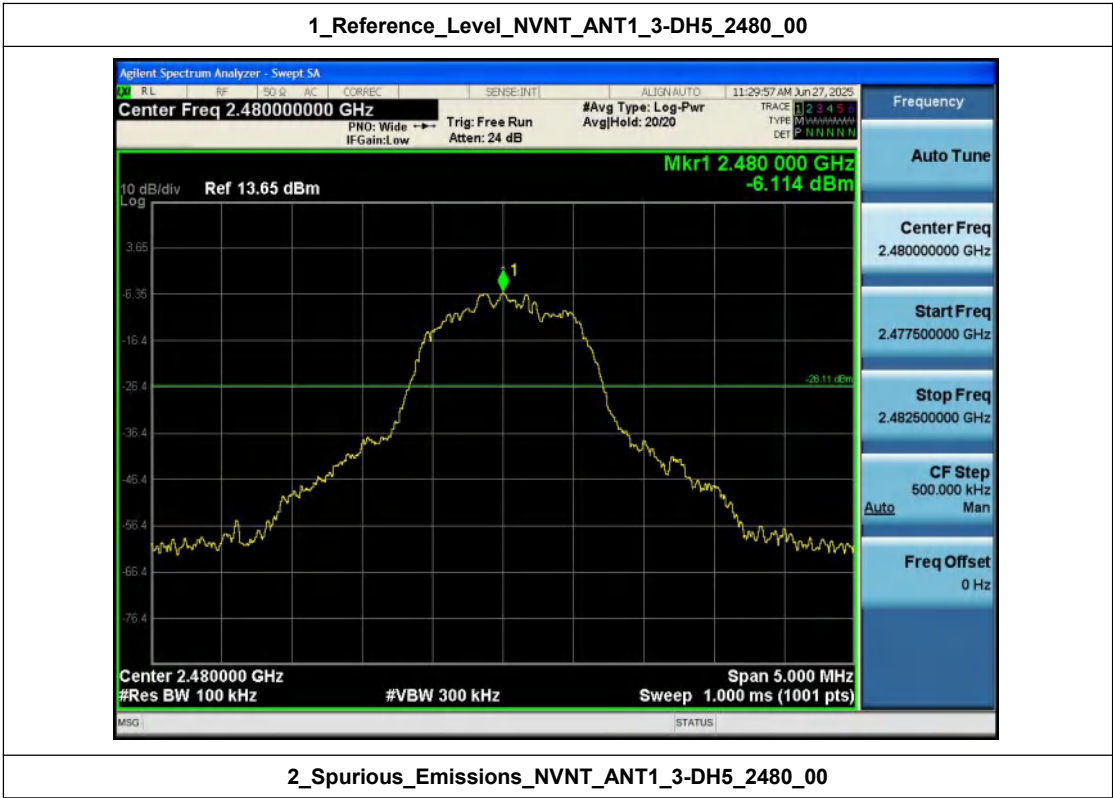
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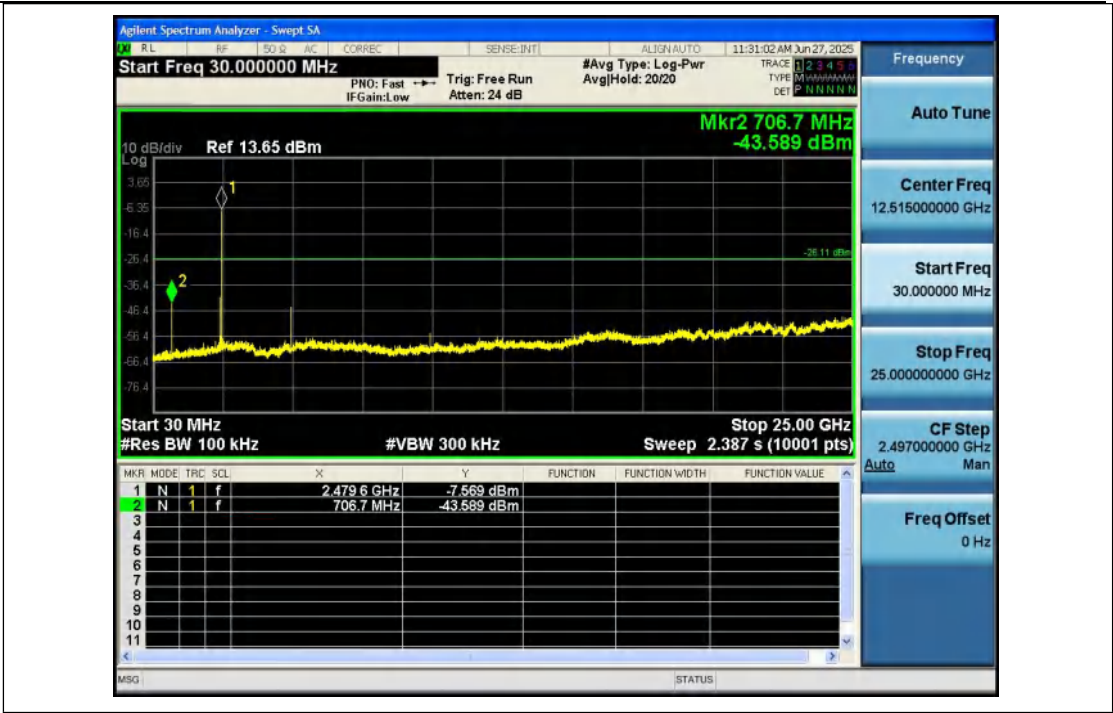
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1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00



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Appendix F: Bandedge

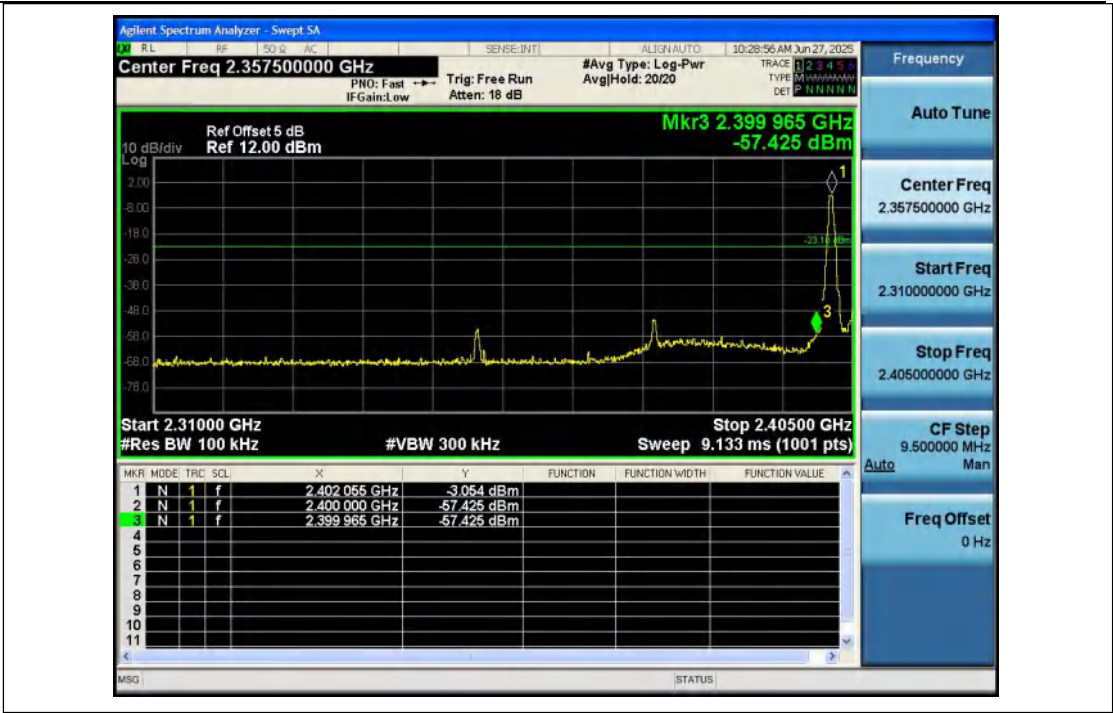
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-3.175	-57.425	-23.175	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-3.437	-52.195	-23.437	Pass
NVNT	ANT1	1-DH5	2480.00	-6.085	-62.591	-26.085	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-4.028	-55.680	-24.028	Pass
NVNT	ANT1	2-DH5	2402.00	-3.118	-56.817	-23.118	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-3.452	-53.128	-23.452	Pass
NVNT	ANT1	2-DH5	2480.00	-6.064	-61.914	-26.064	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-3.793	-55.710	-23.793	Pass
NVNT	ANT1	3-DH5	2402.00	-3.159	-58.131	-23.159	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-4.319	-54.374	-24.319	Pass
NVNT	ANT1	3-DH5	2480.00	-6.004	-62.173	-26.004	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-3.727	-54.936	-23.727	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.

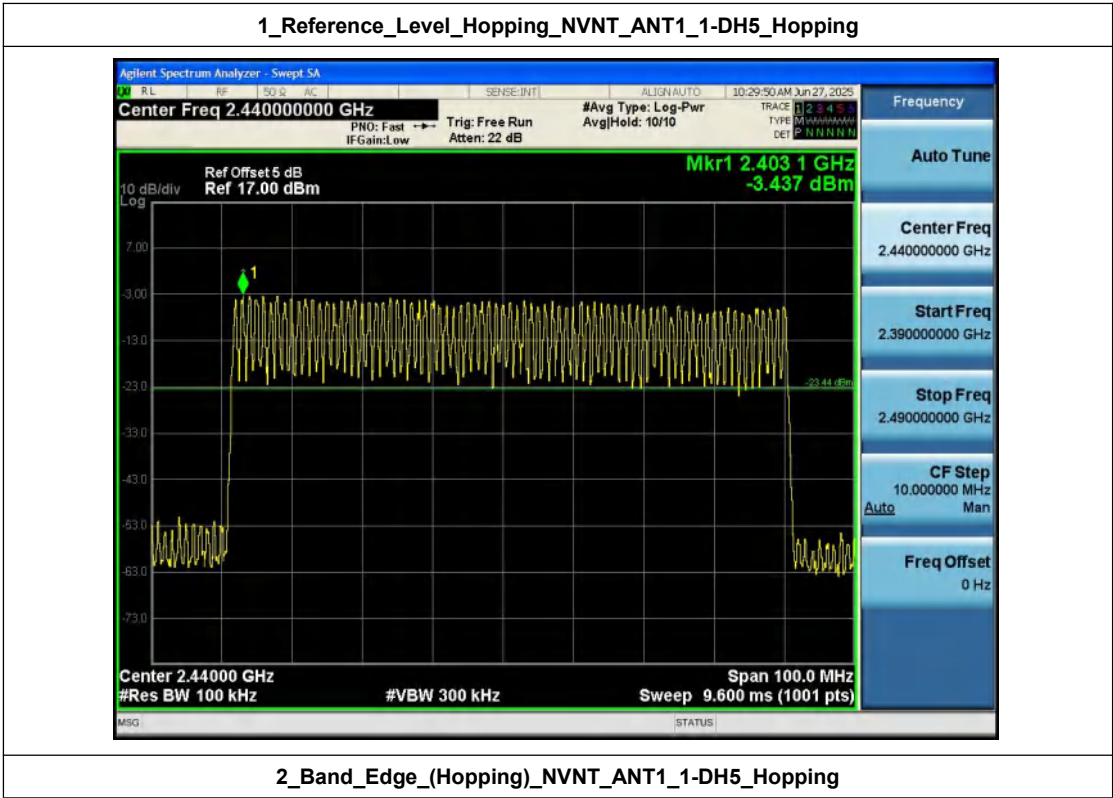
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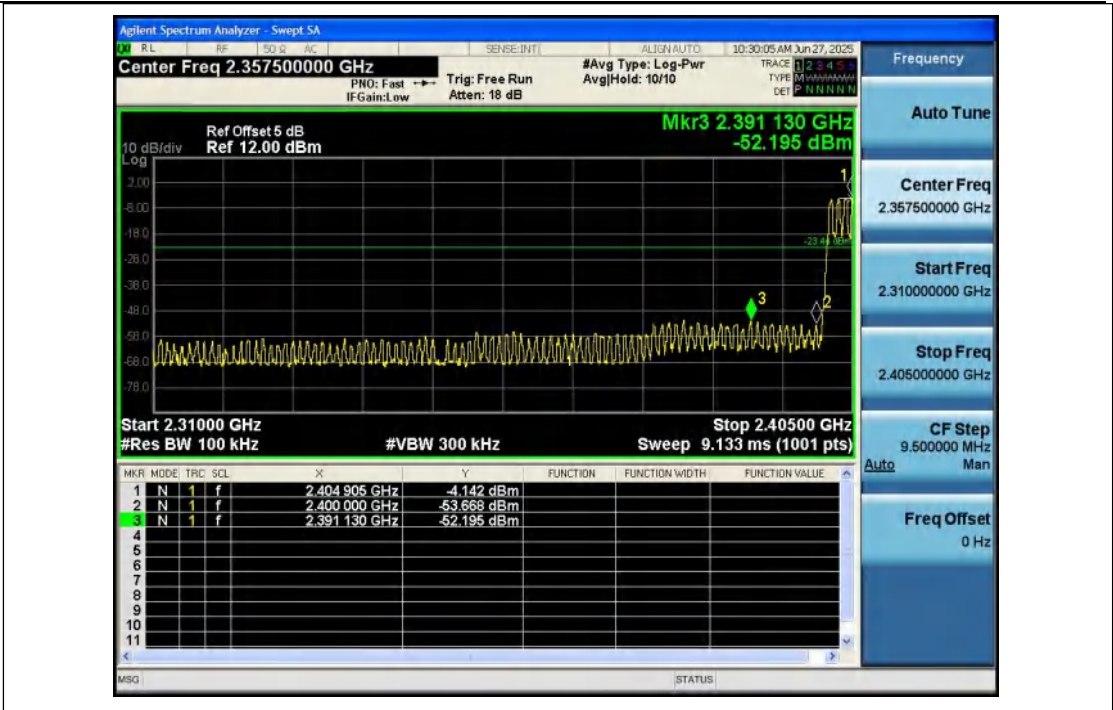
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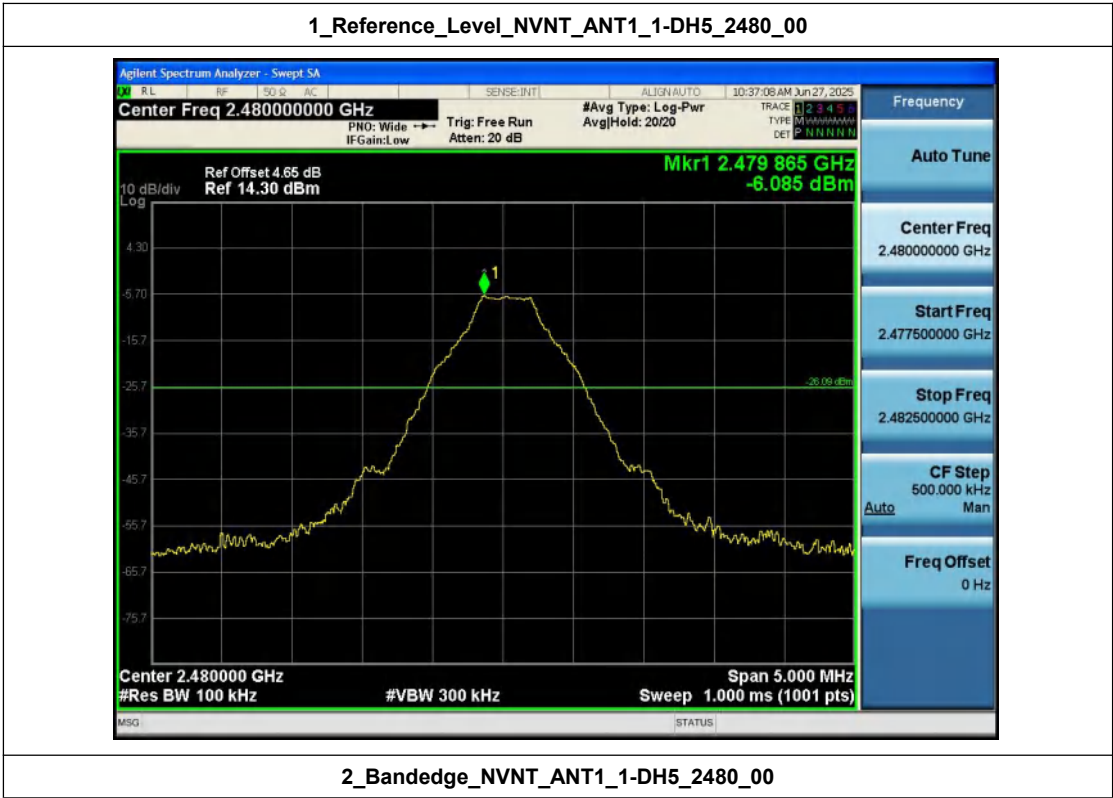
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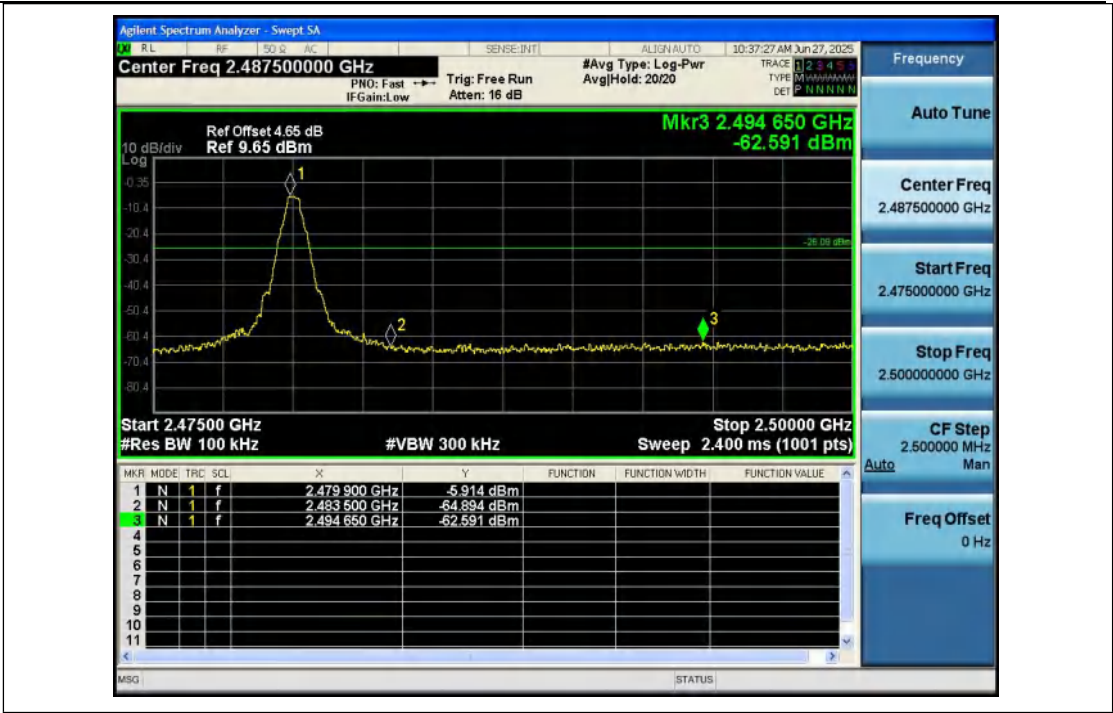
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



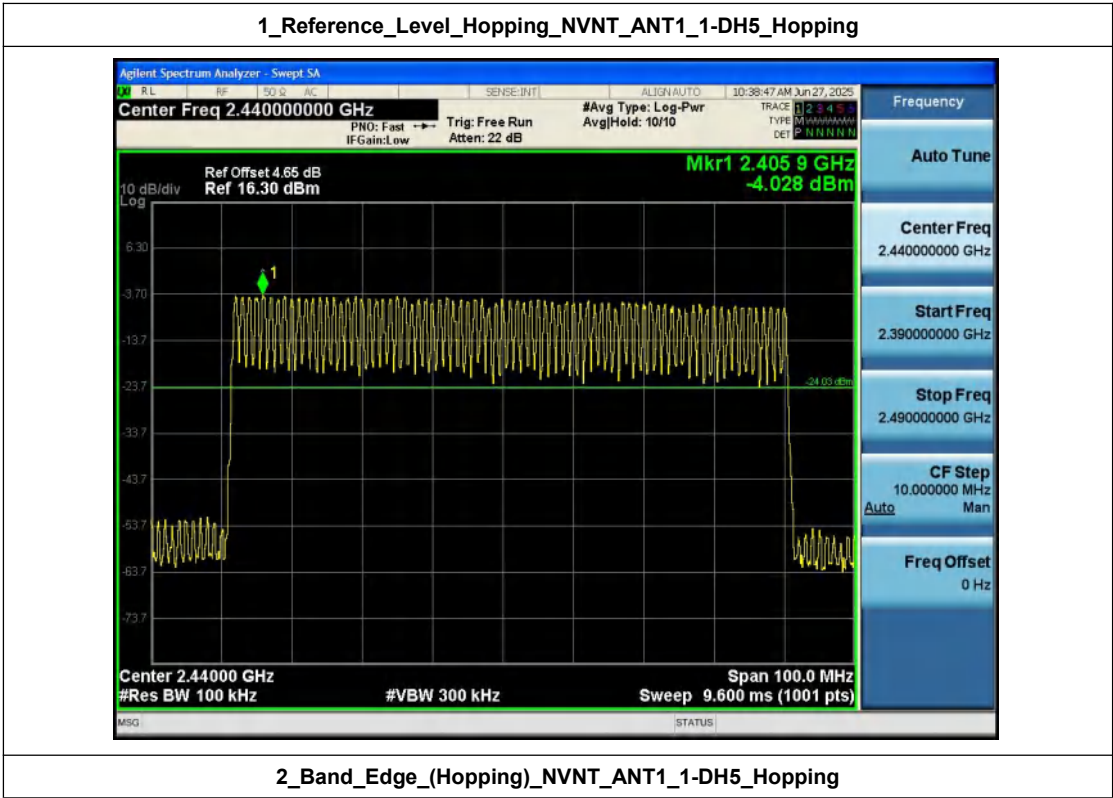
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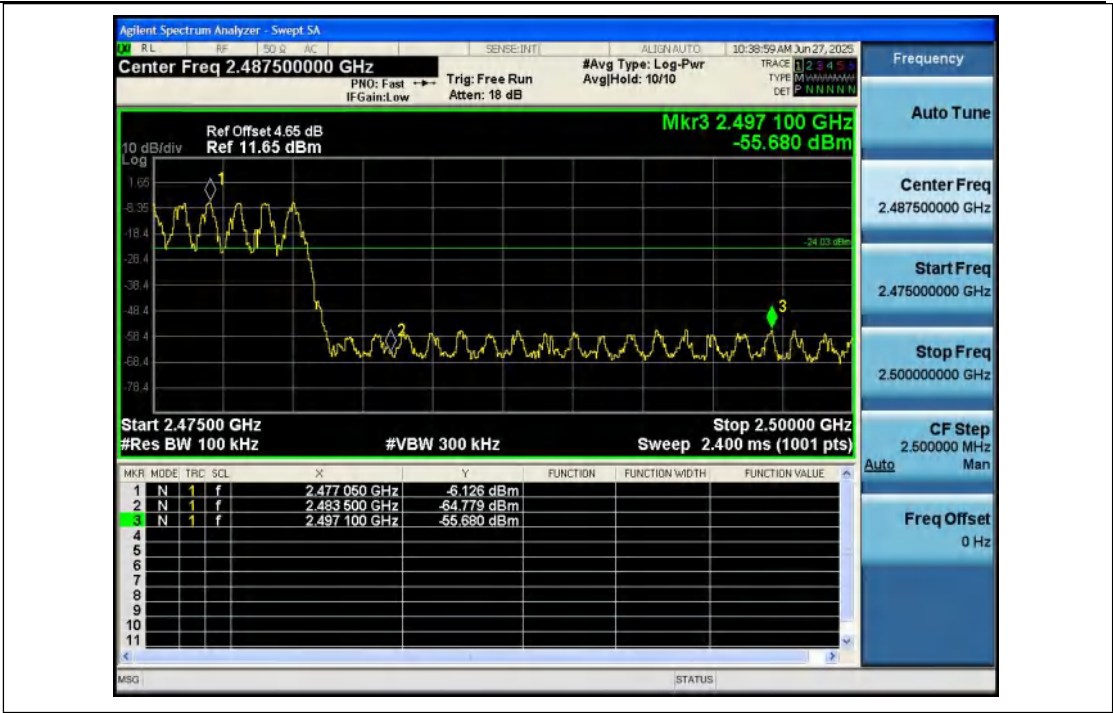
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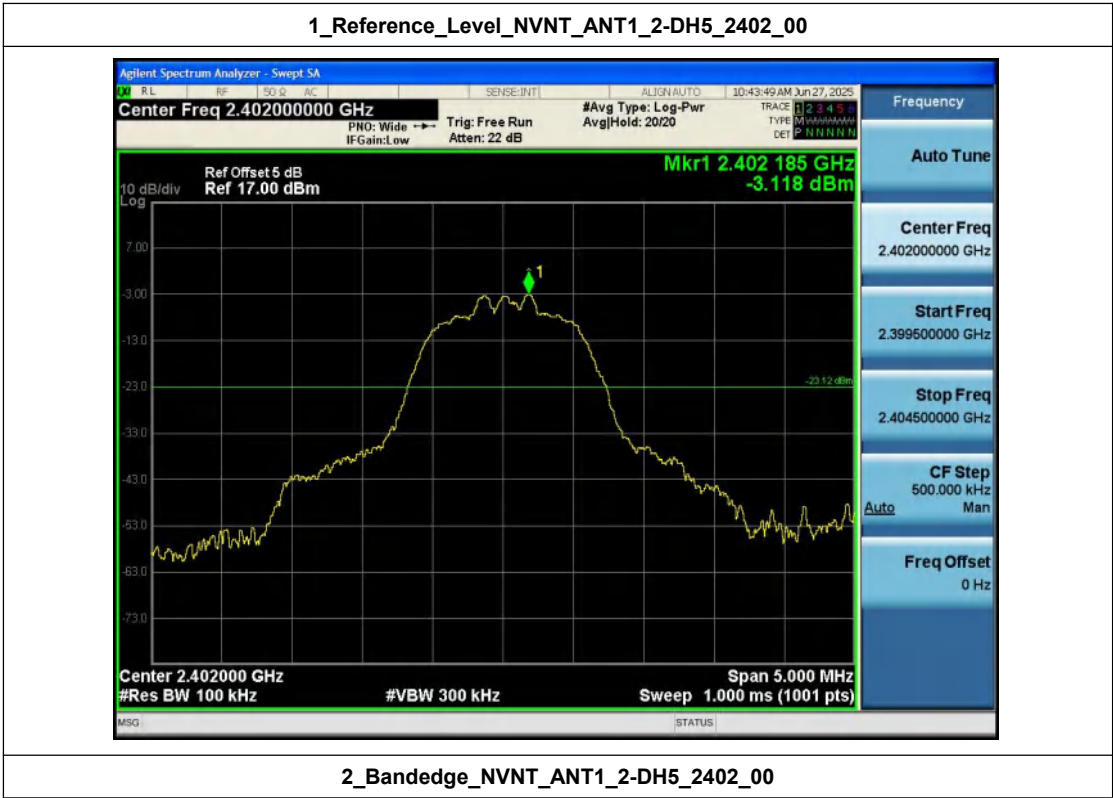
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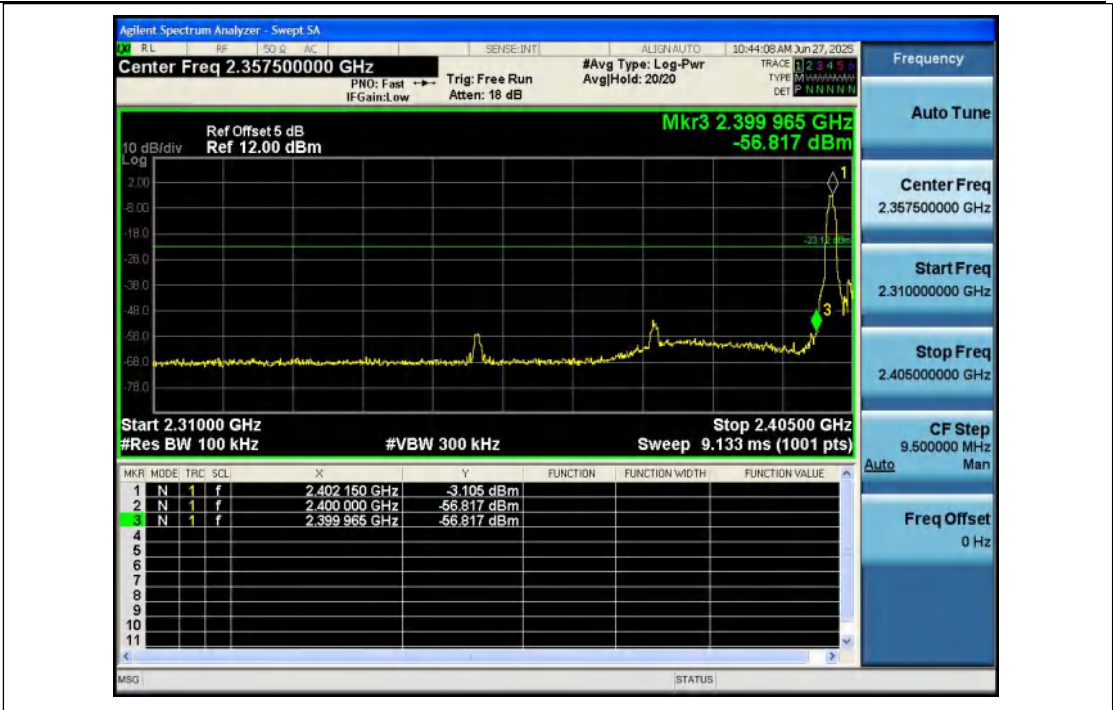
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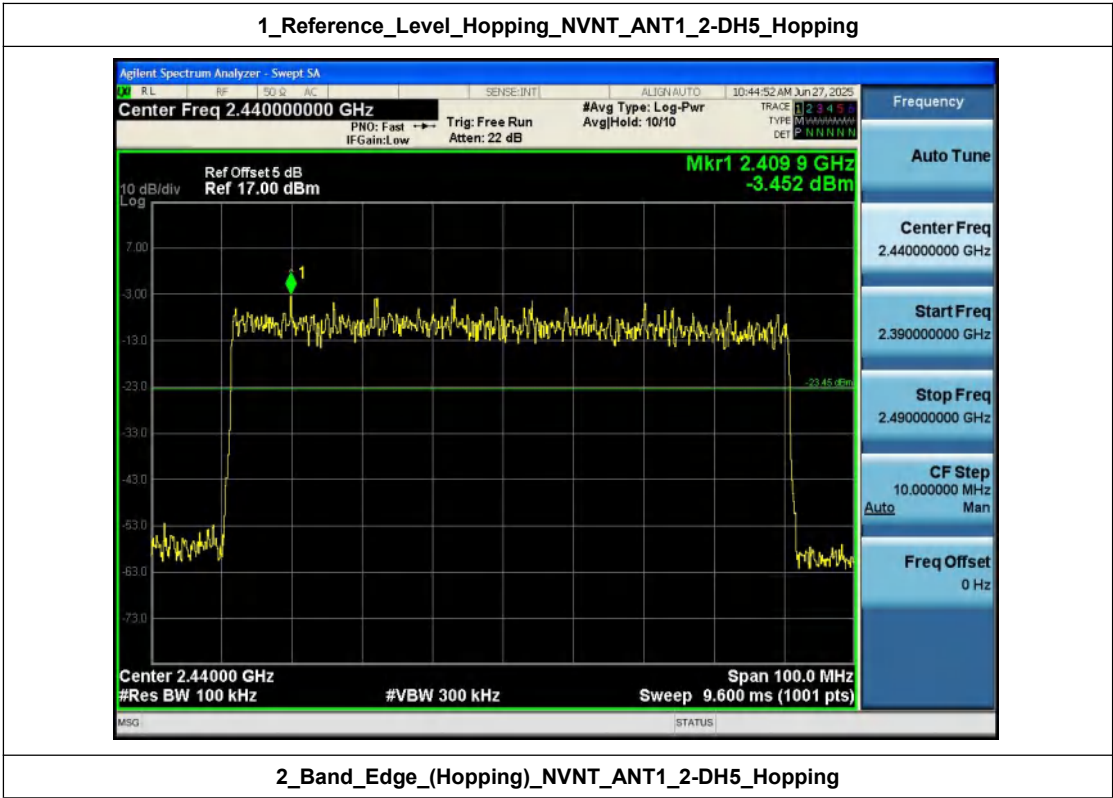
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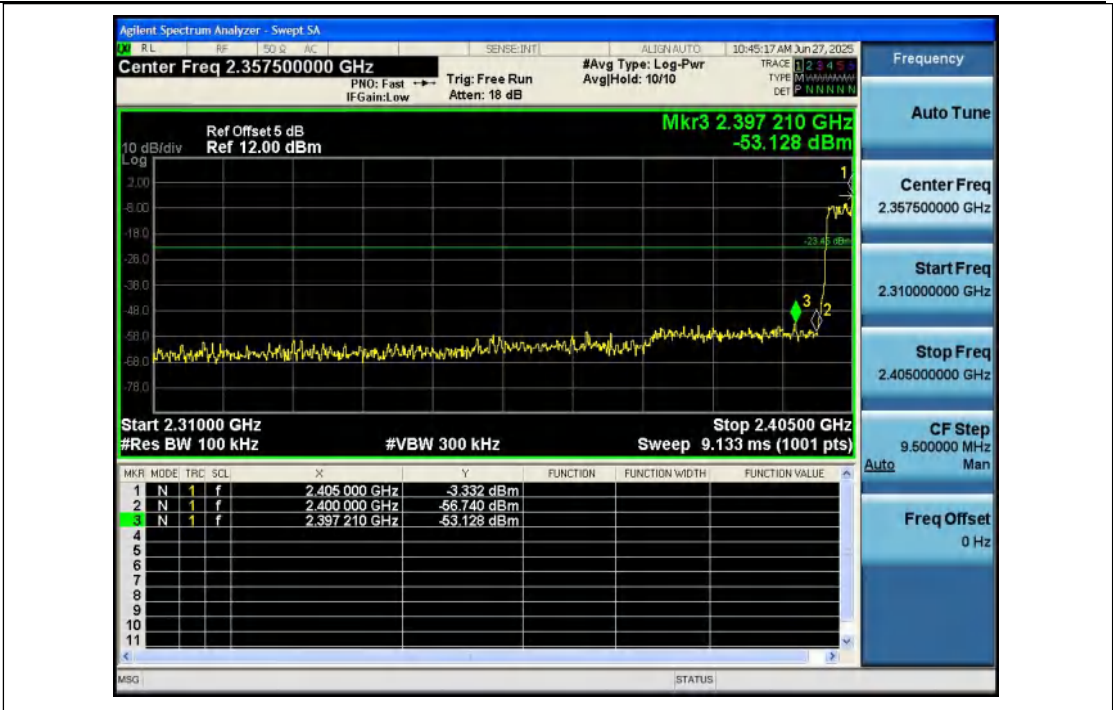
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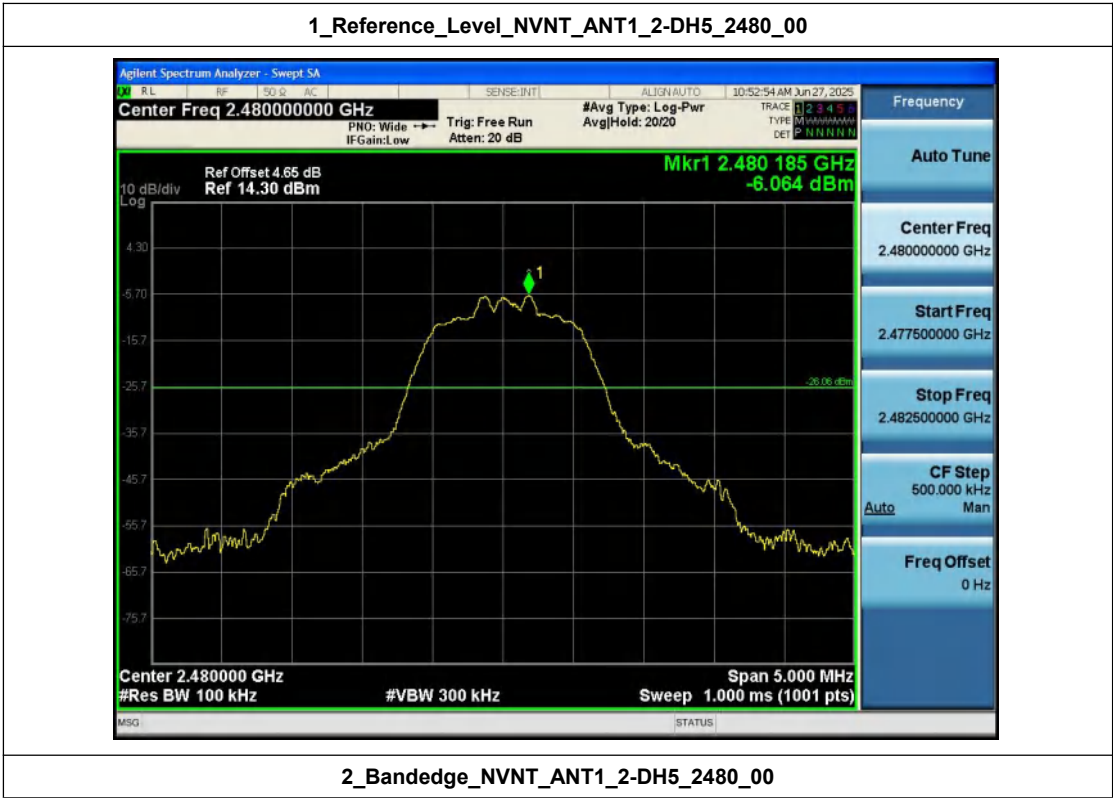
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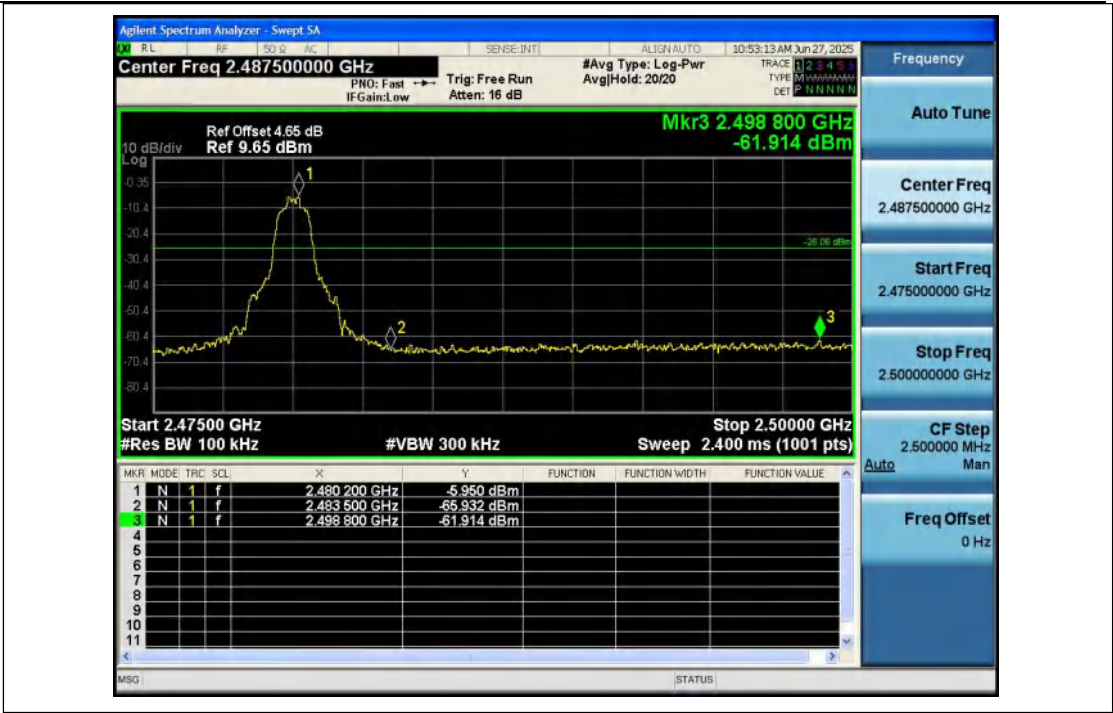
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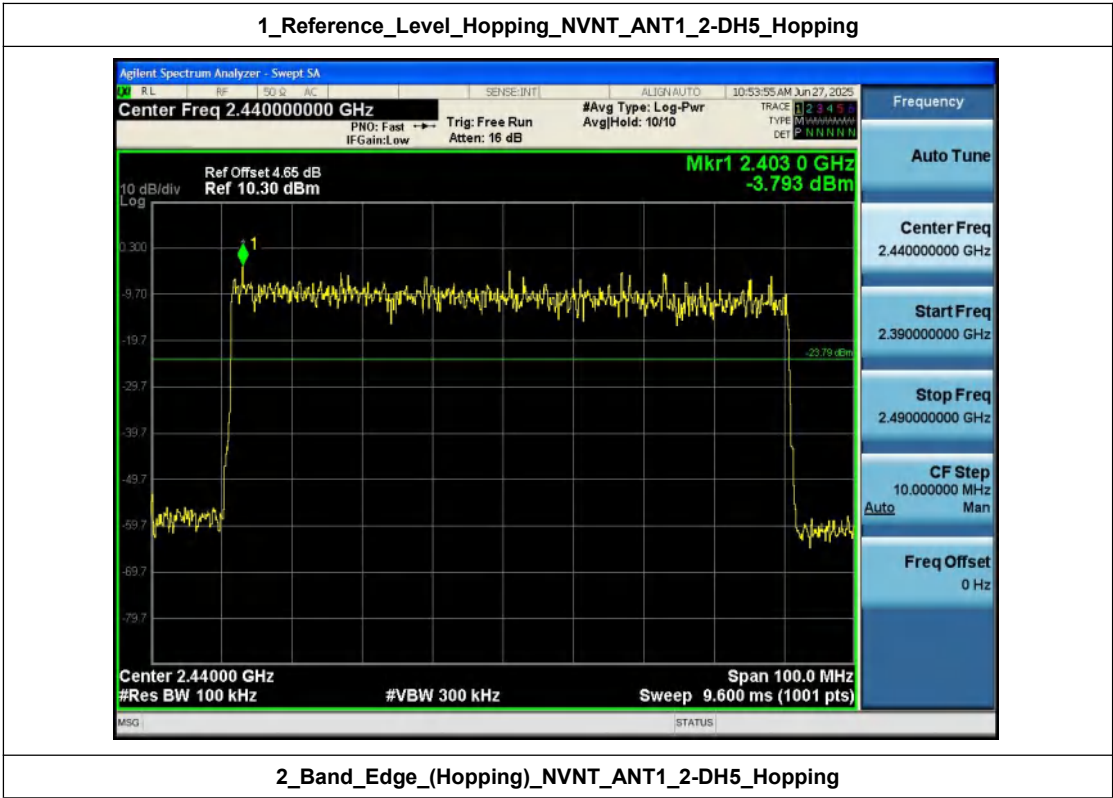
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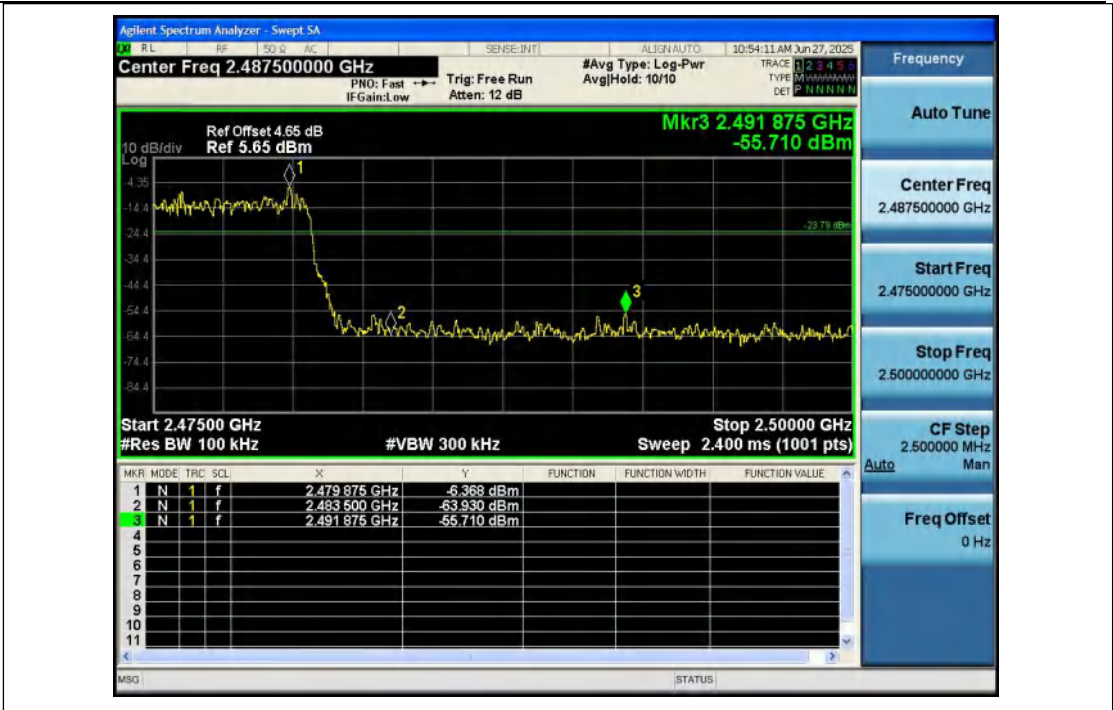
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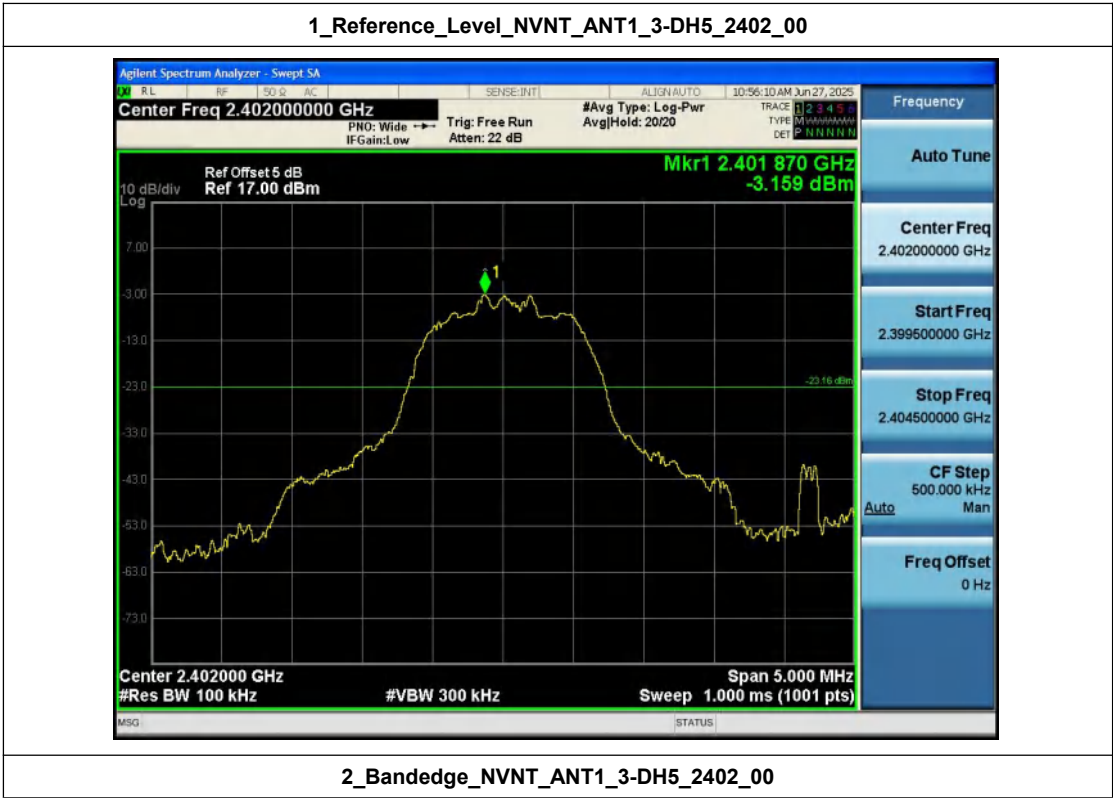
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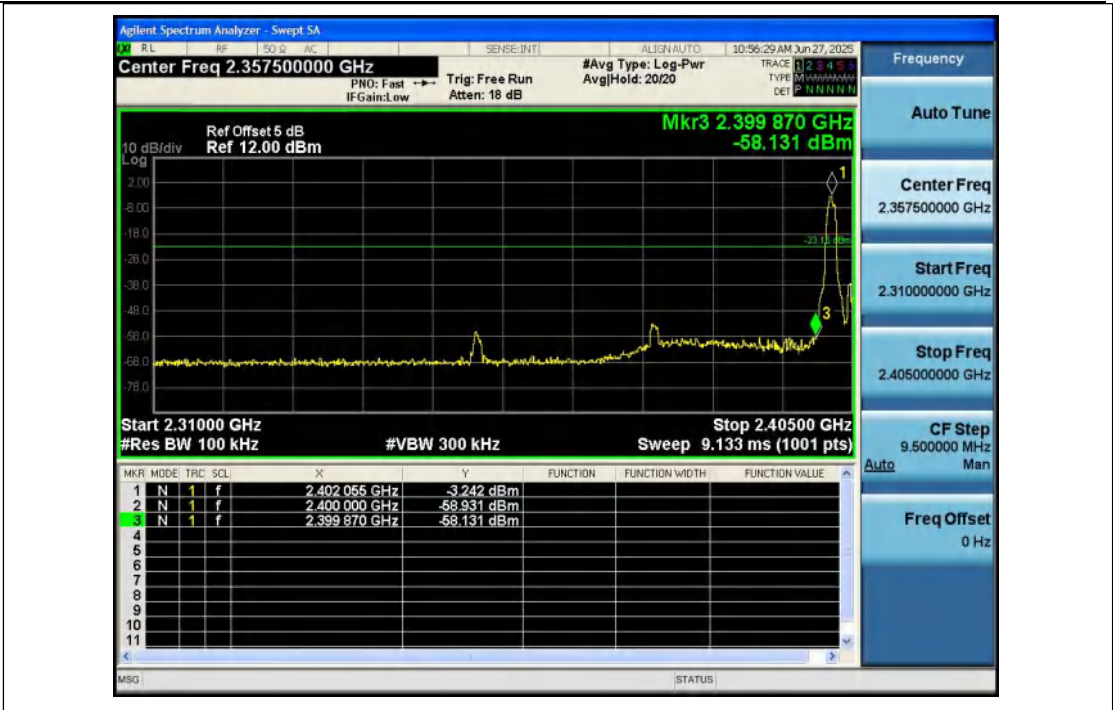
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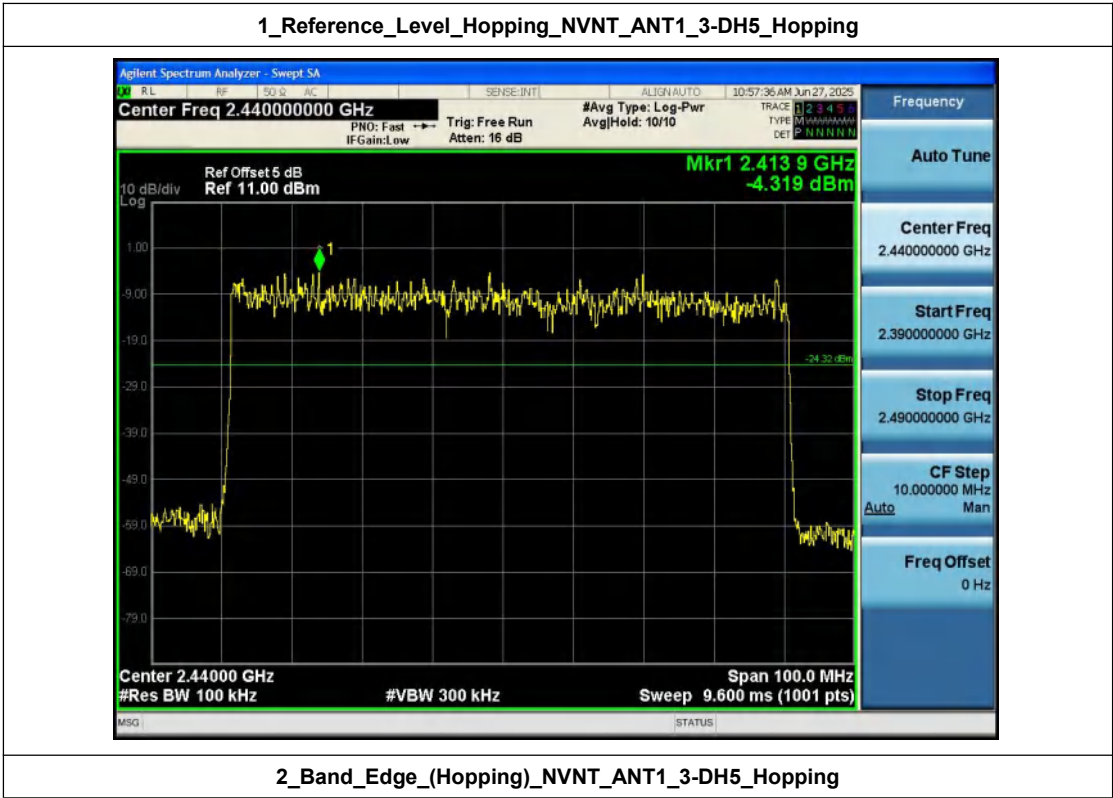
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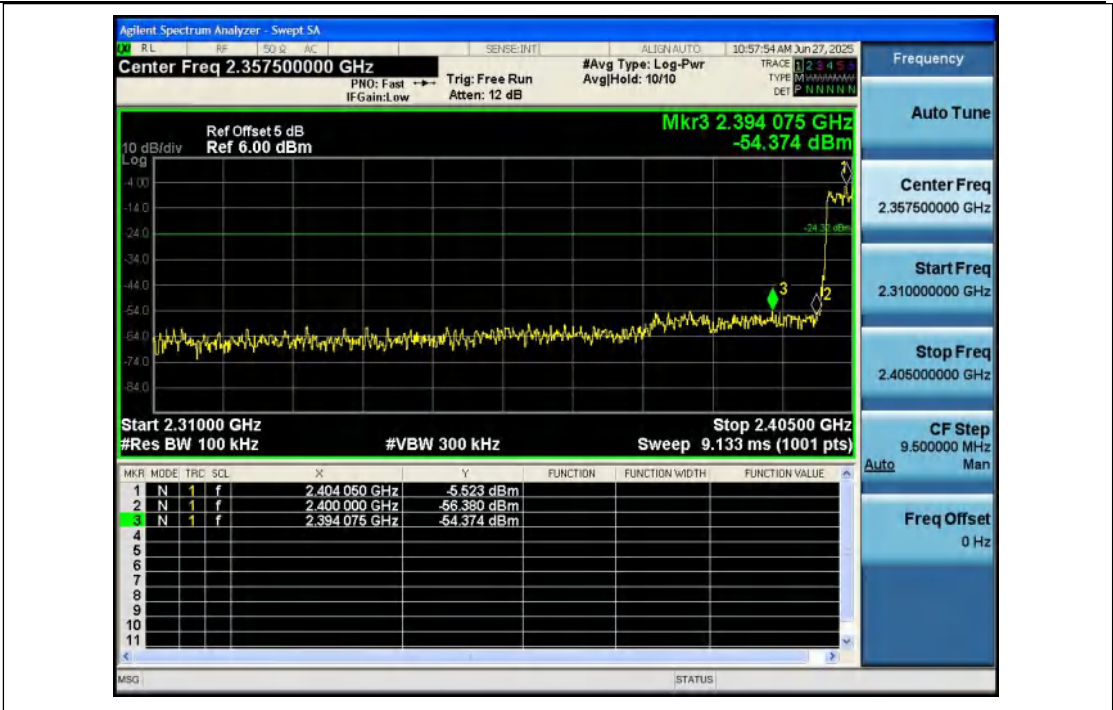
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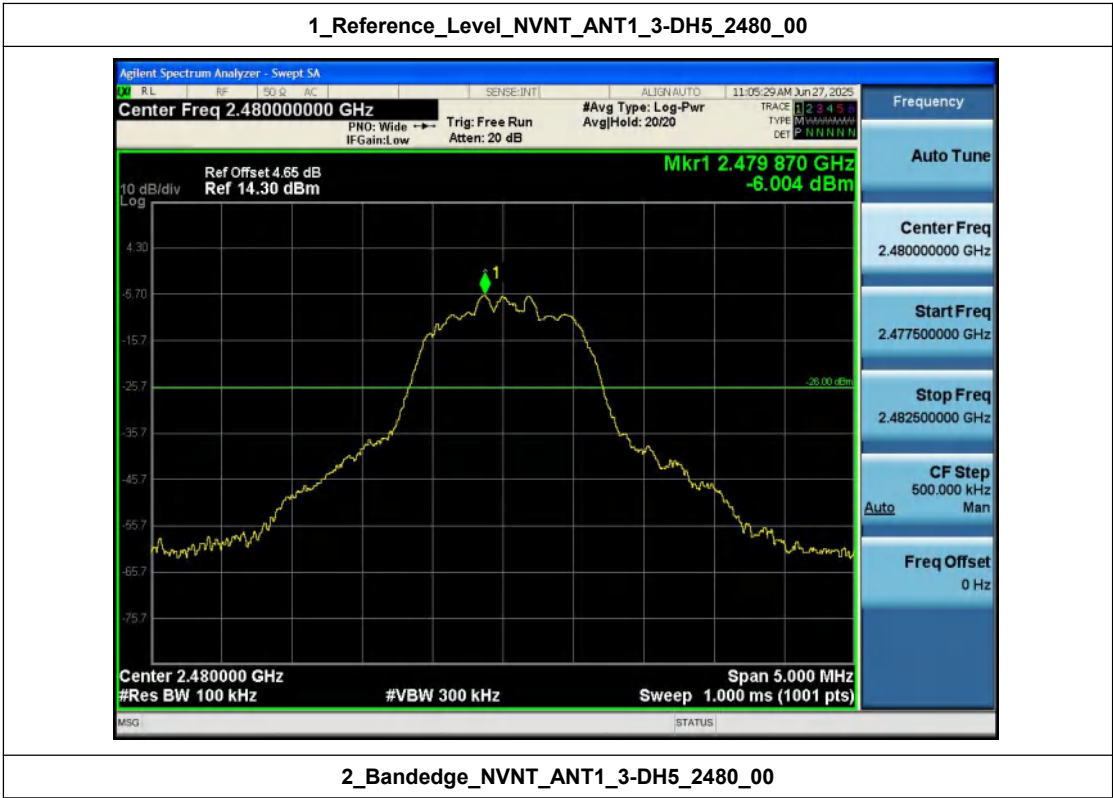
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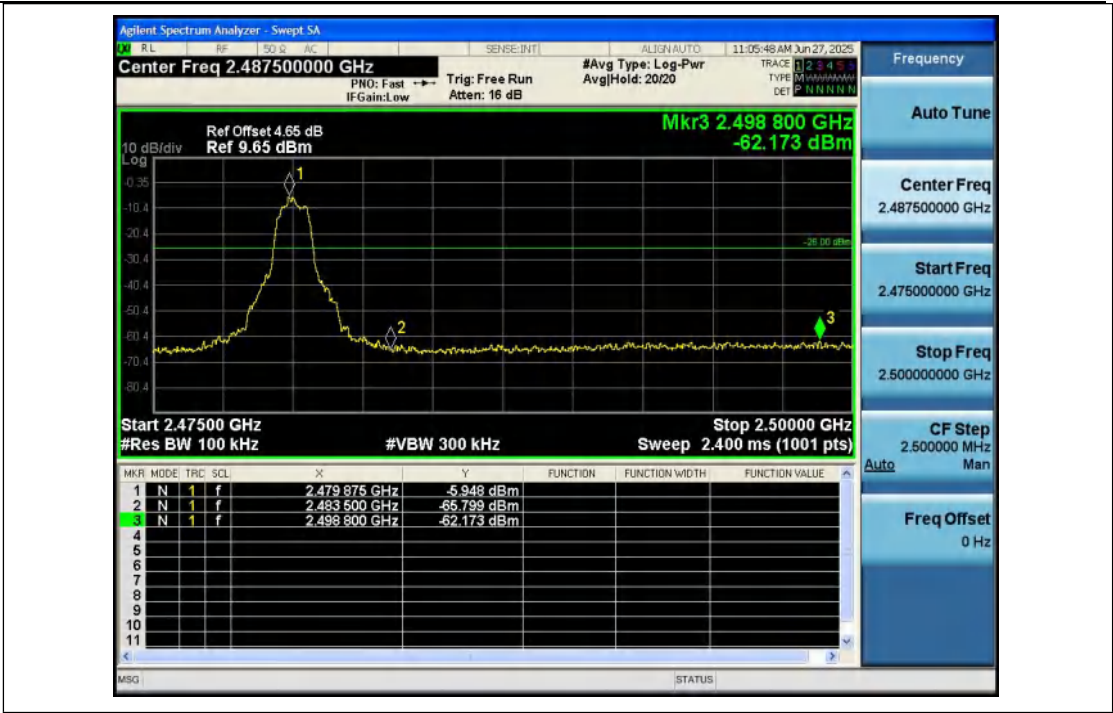
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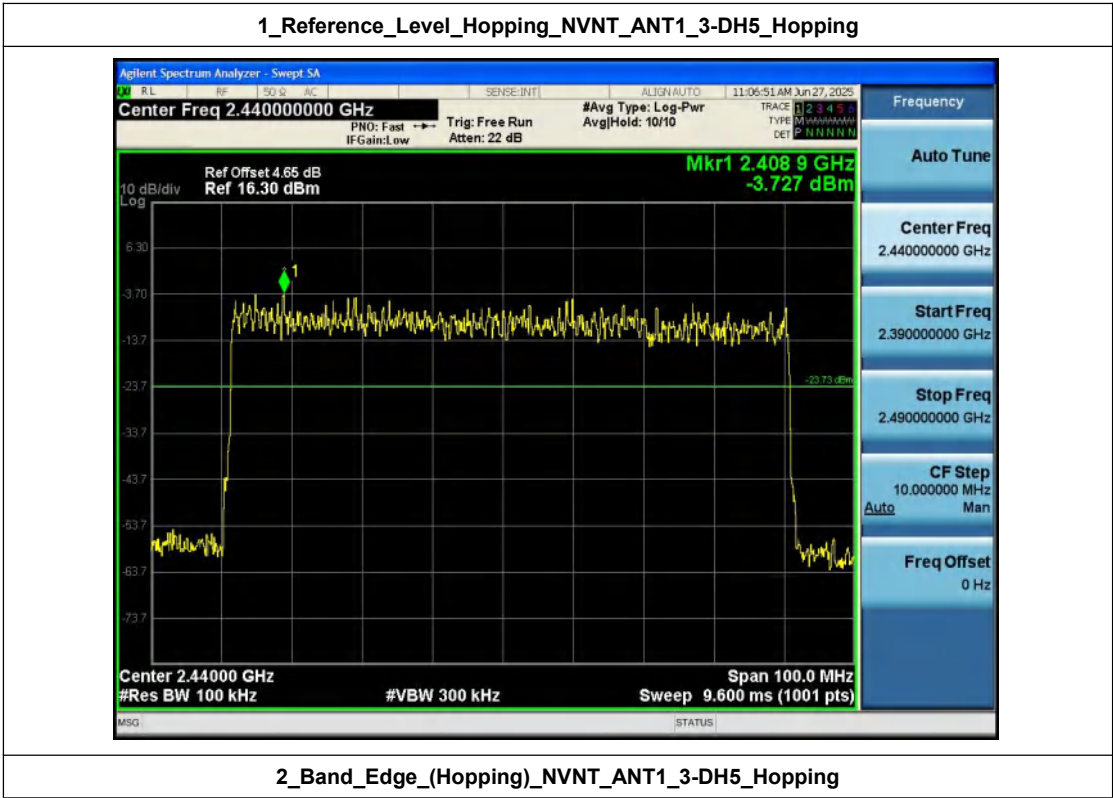
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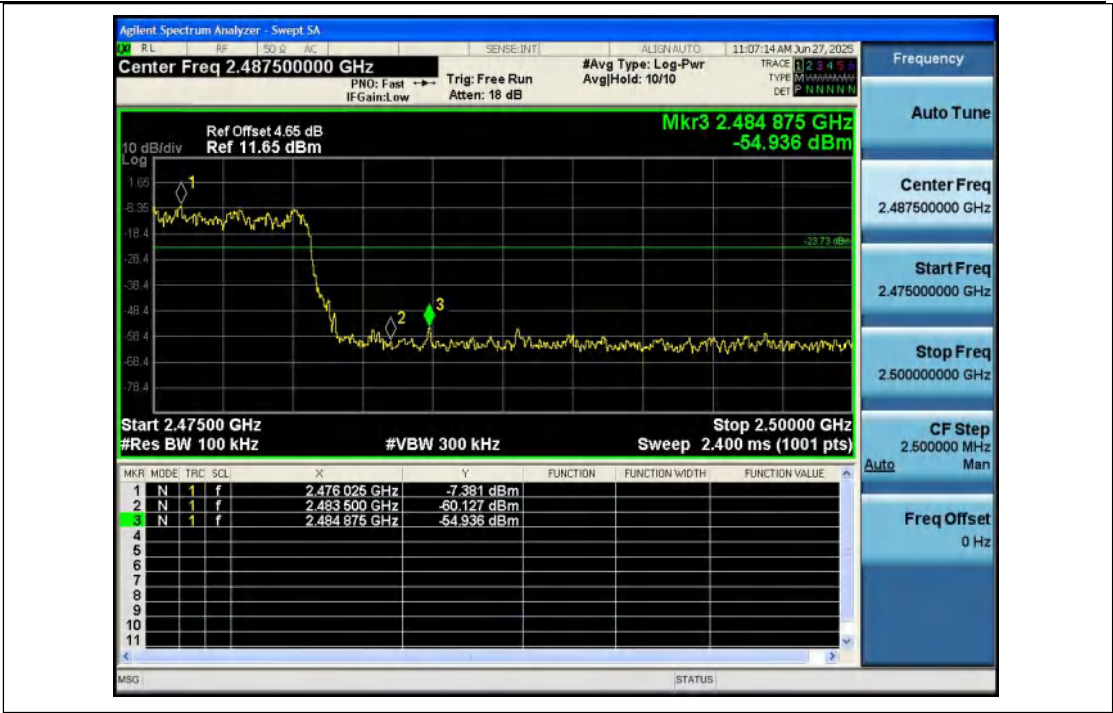
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1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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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	2441.122	2441.926	0.80	0.706	Pass
NVNT	ANT1	2-DH5	2441.00	2440.972	2442.223	1.25	0.891	Pass
NVNT	ANT1	3-DH5	2441.00	2440.897	2442.199	1.30	0.865	Pass

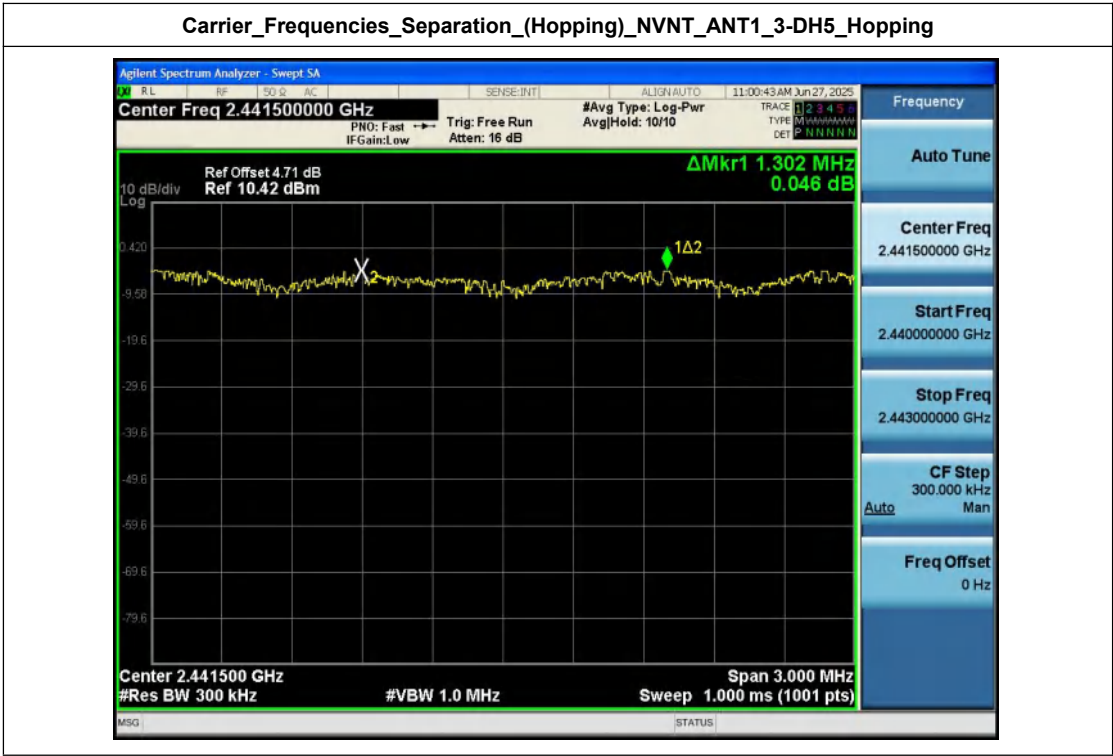
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



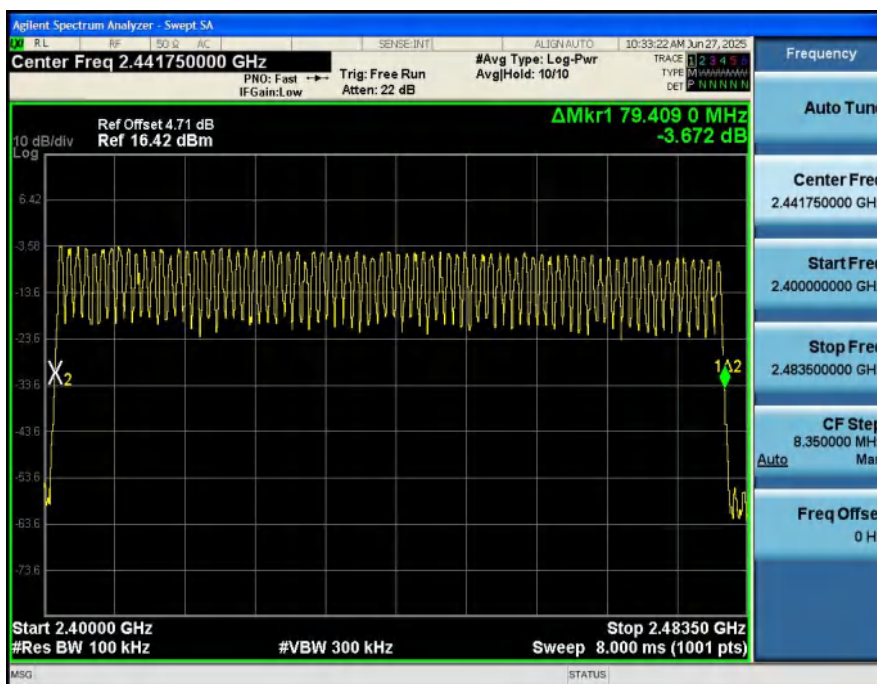
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



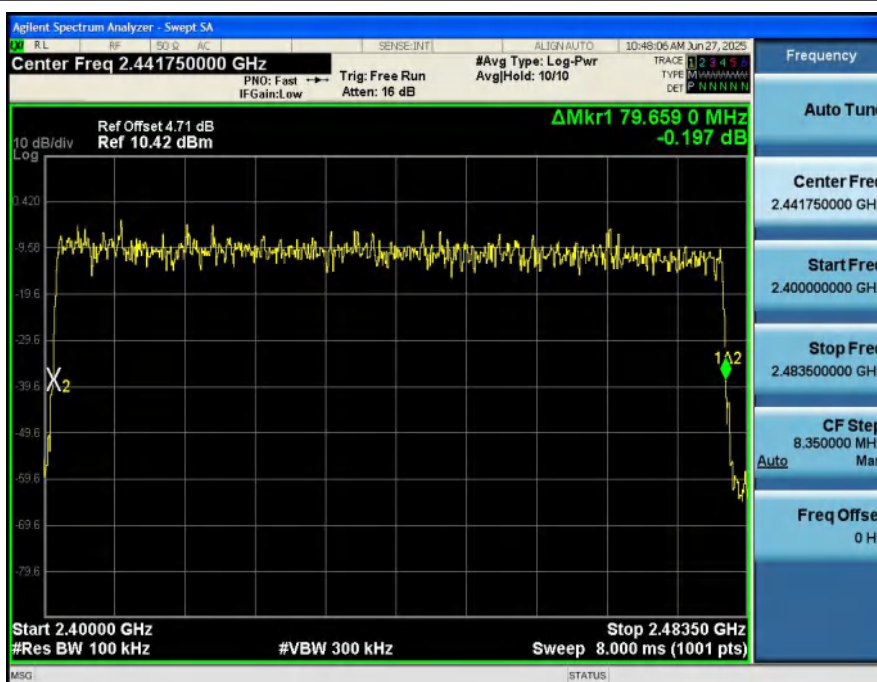
Appendix H: Number of Hopping Channel (Hopping)

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

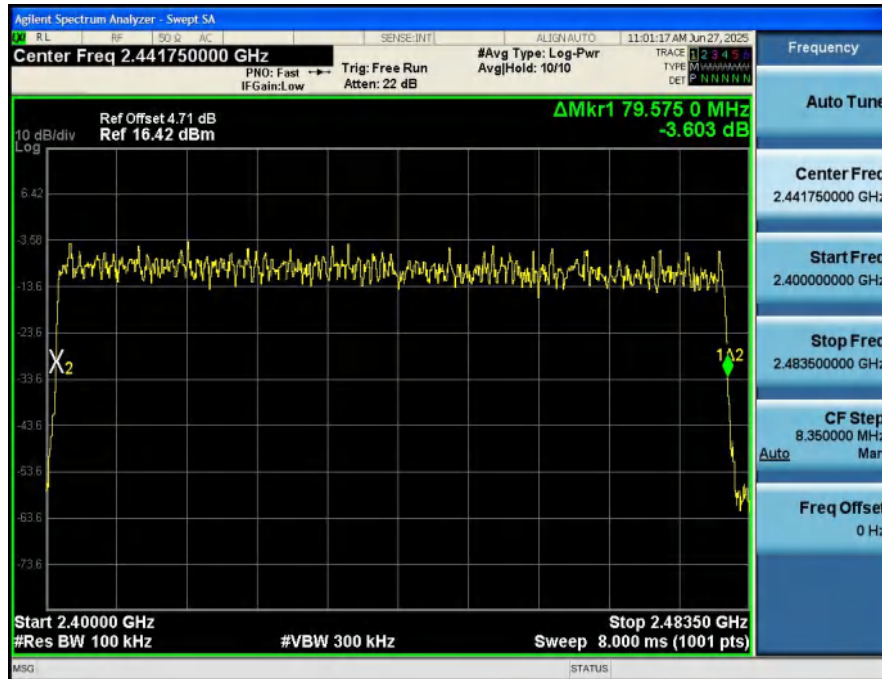
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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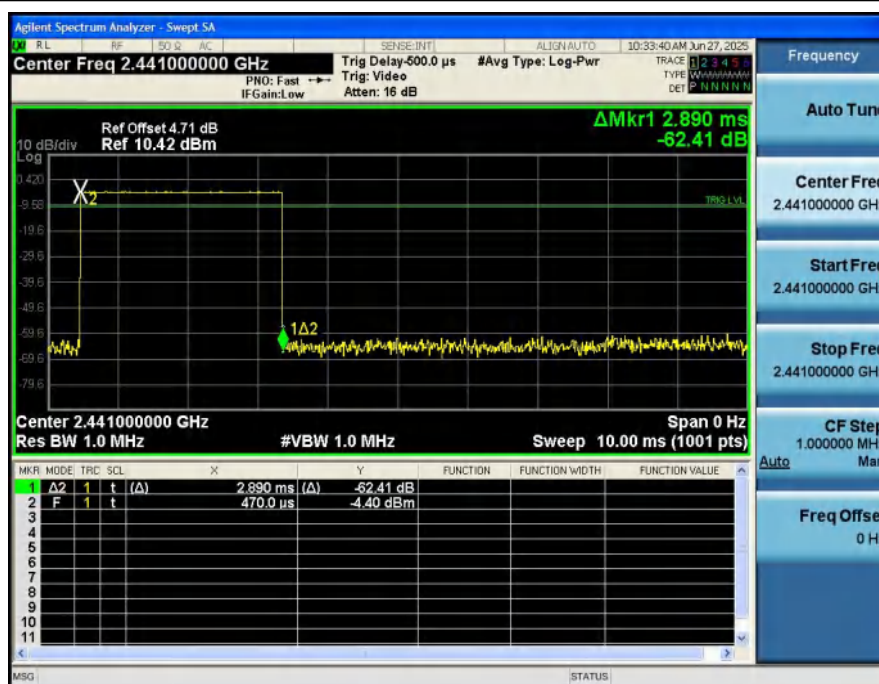
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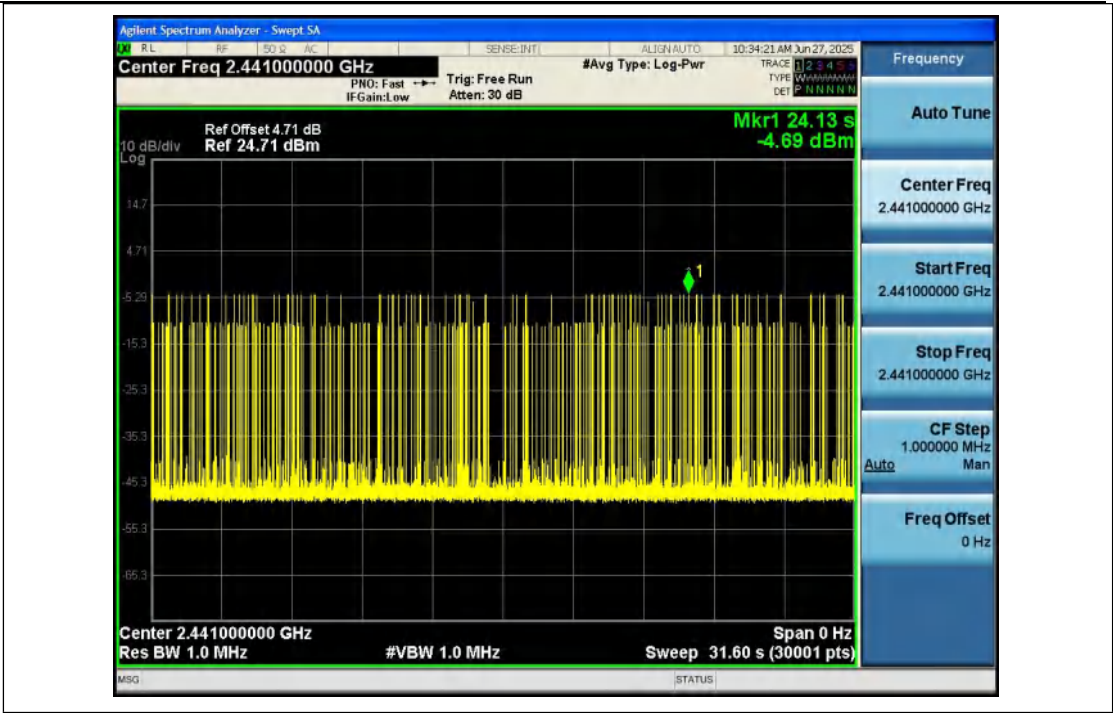
Appendix I: Dwell Time (Hopping)

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	109.00	316.100	0.40	Pass
NVNT	ANT1	3-DH5	2.900	93.00	269.700	0.40	Pass
NVNT	ANT1	1-DH1	0.390	319.00	124.410	0.40	Pass
NVNT	ANT1	1-DH3	1.640	156.00	255.840	0.40	Pass
NVNT	ANT1	2-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	2-DH3	1.640	165.00	270.600	0.40	Pass
NVNT	ANT1	3-DH1	0.390	318.00	124.020	0.40	Pass
NVNT	ANT1	3-DH3	1.640	166.00	272.240	0.40	Pass

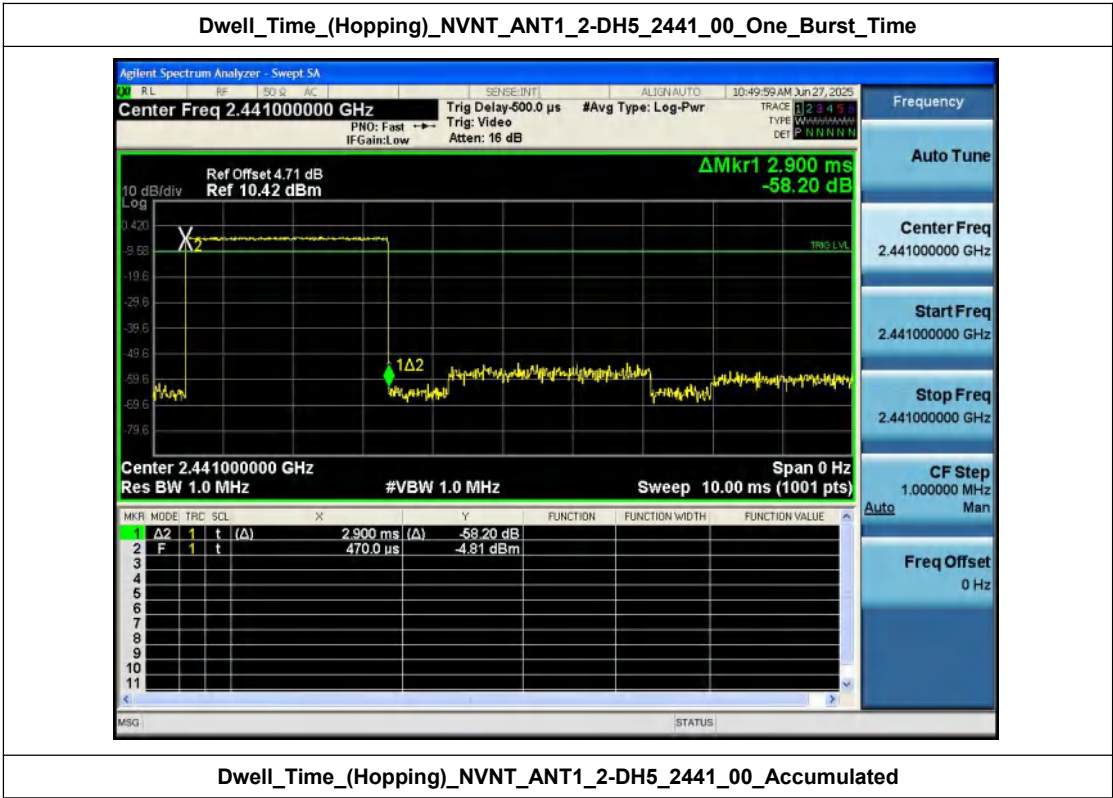
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



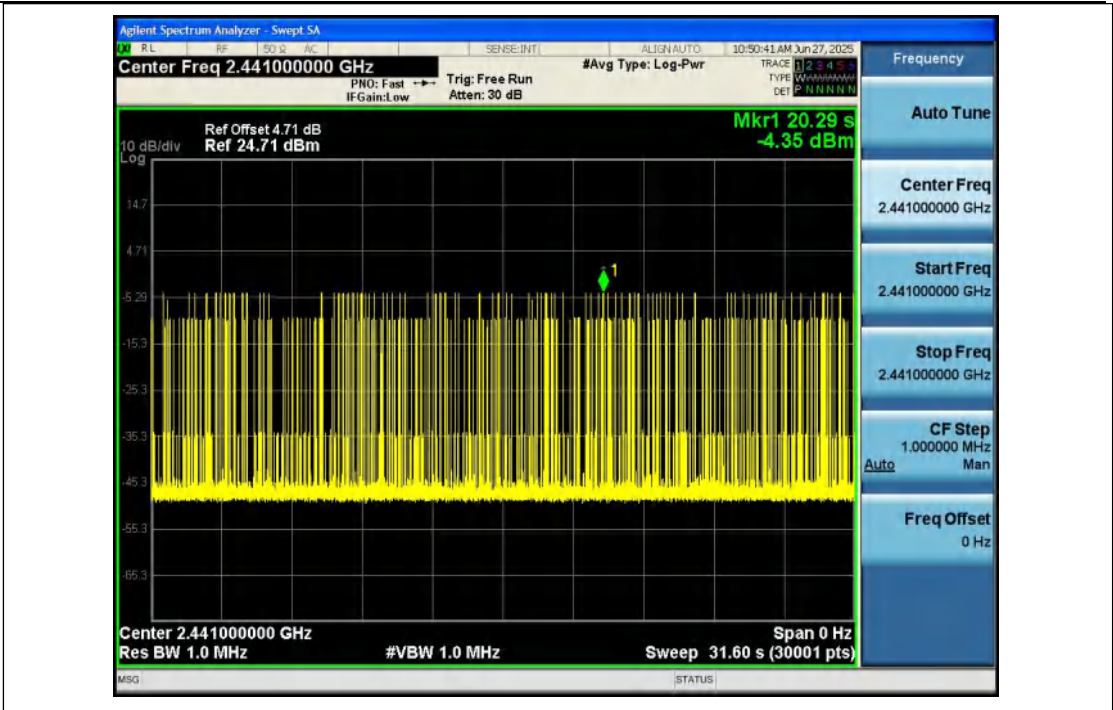
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



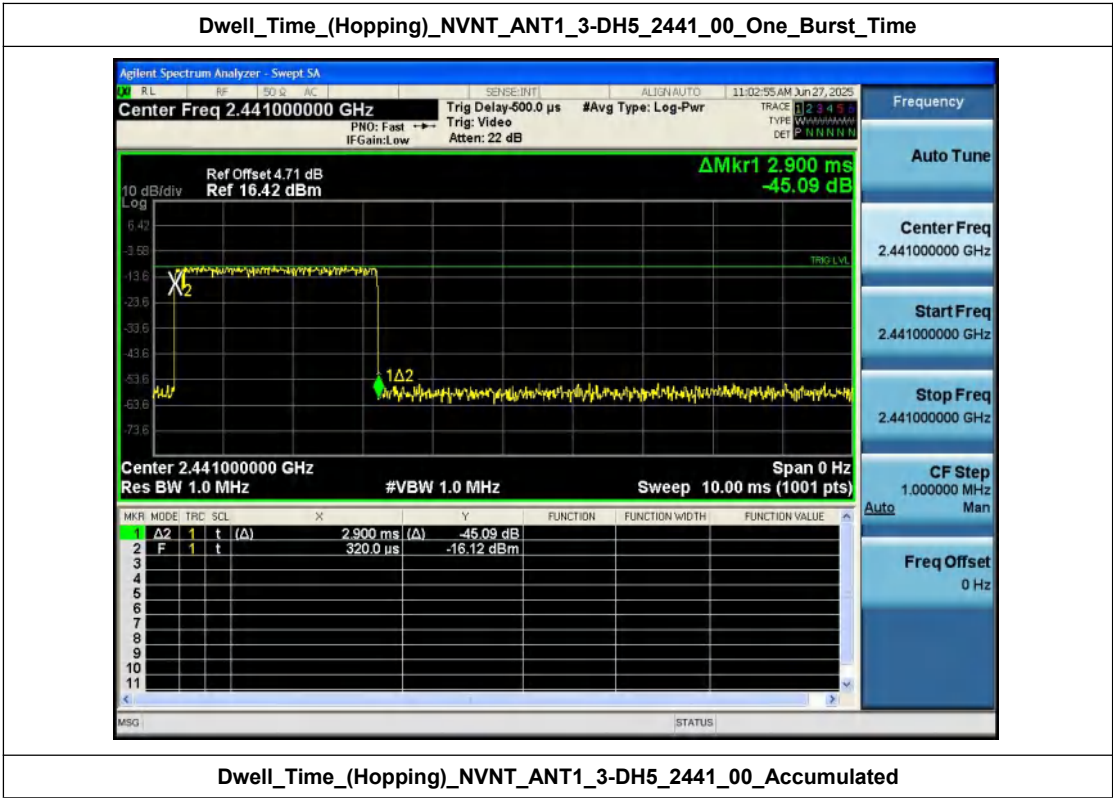
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



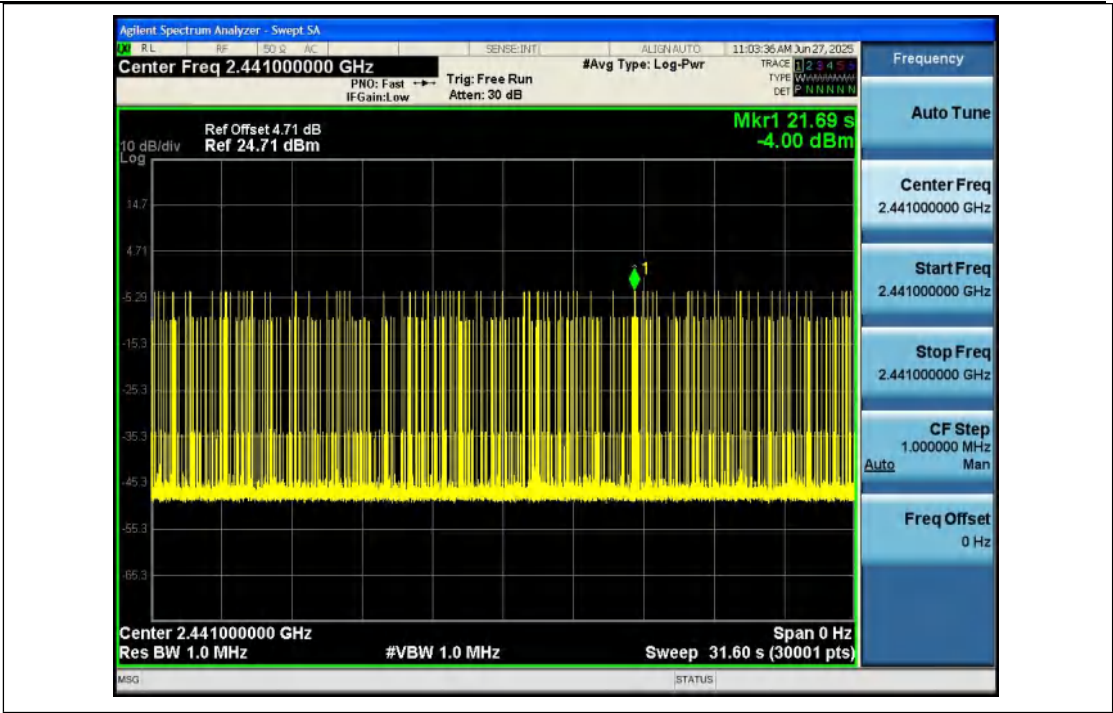
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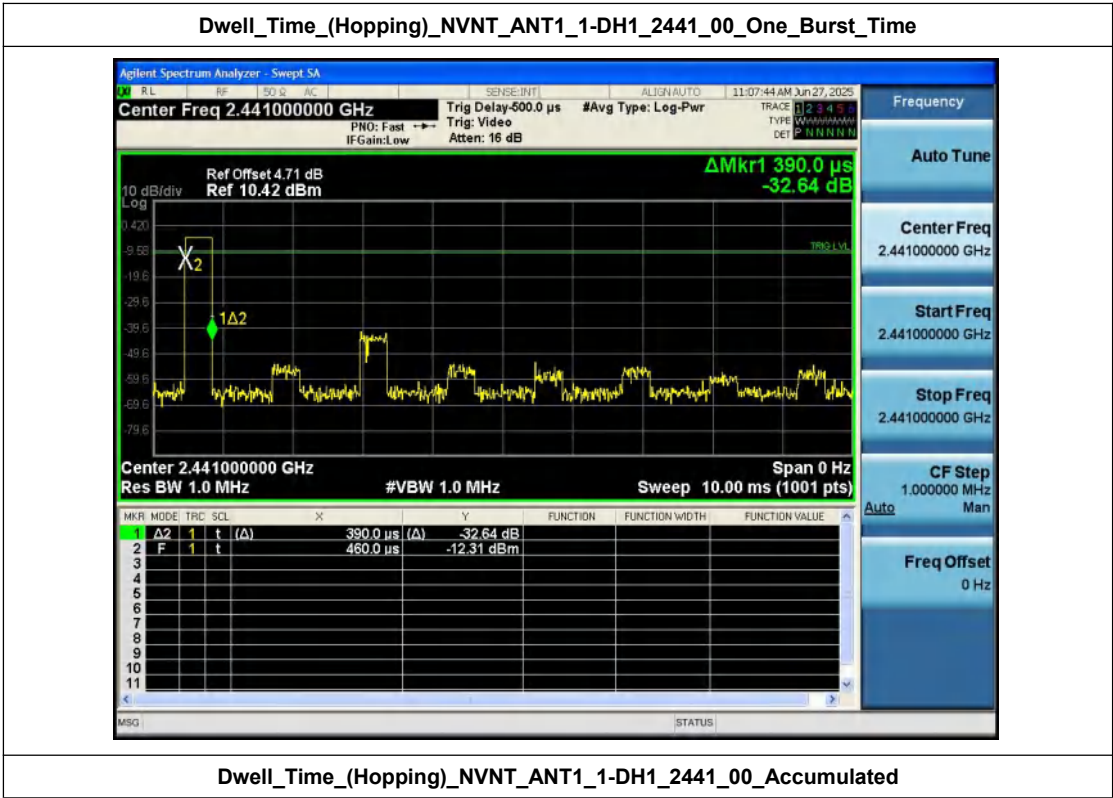
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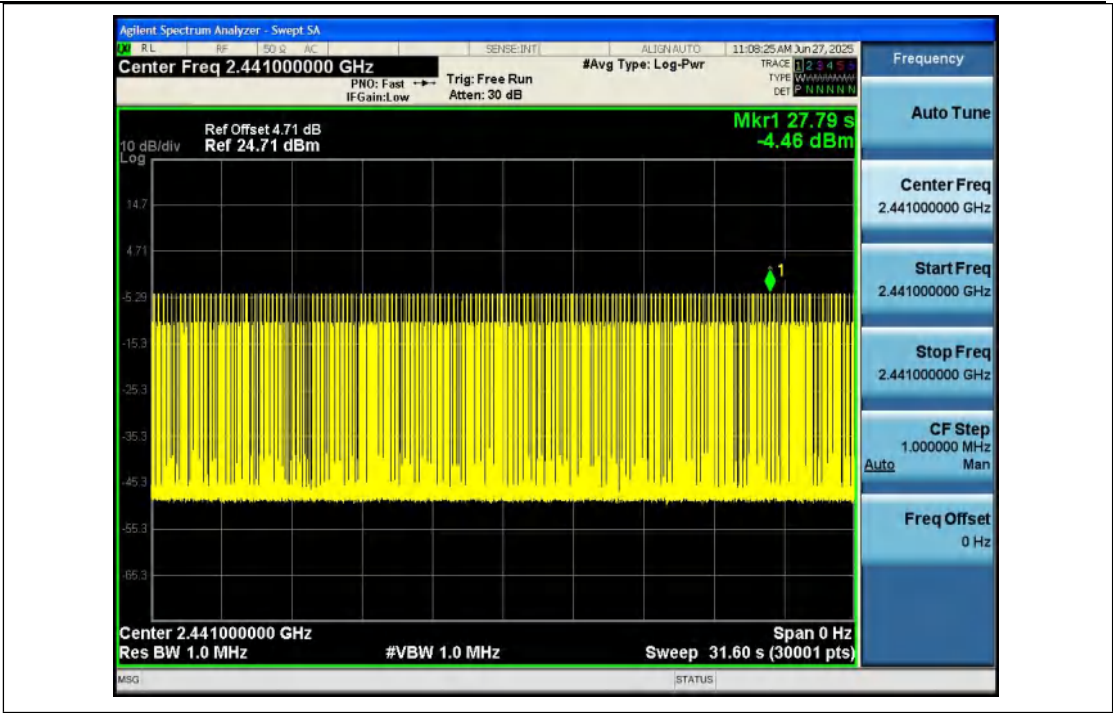
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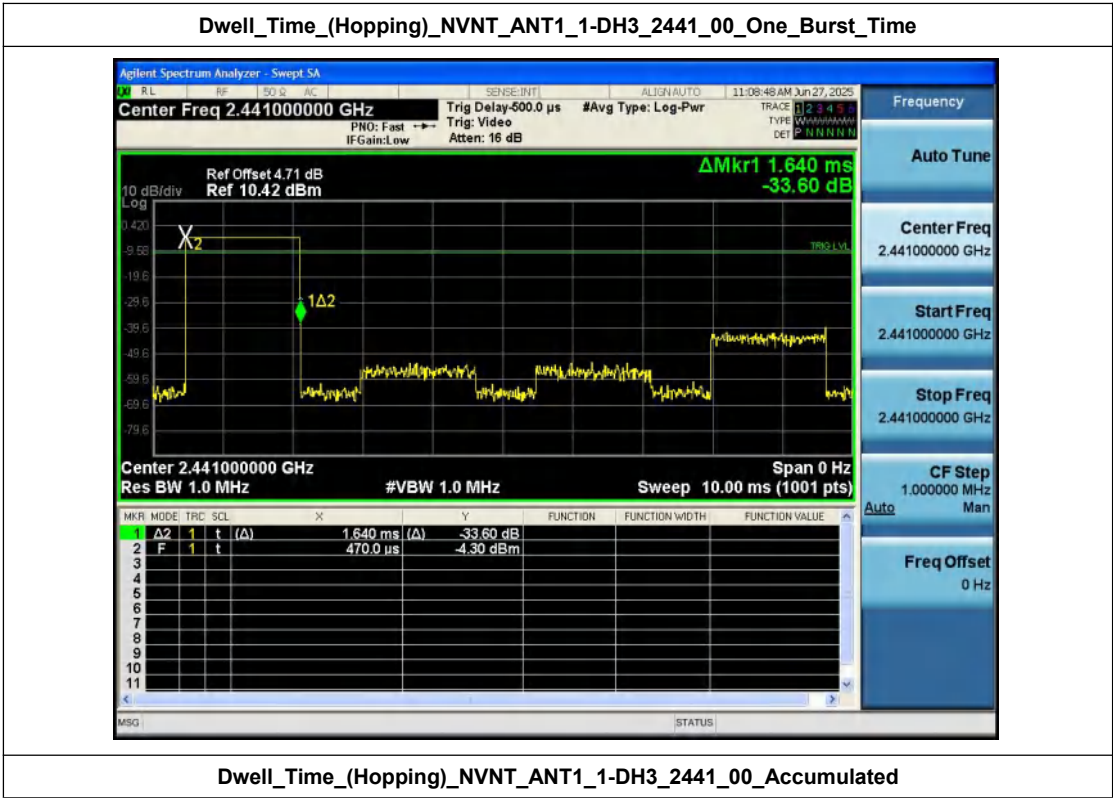
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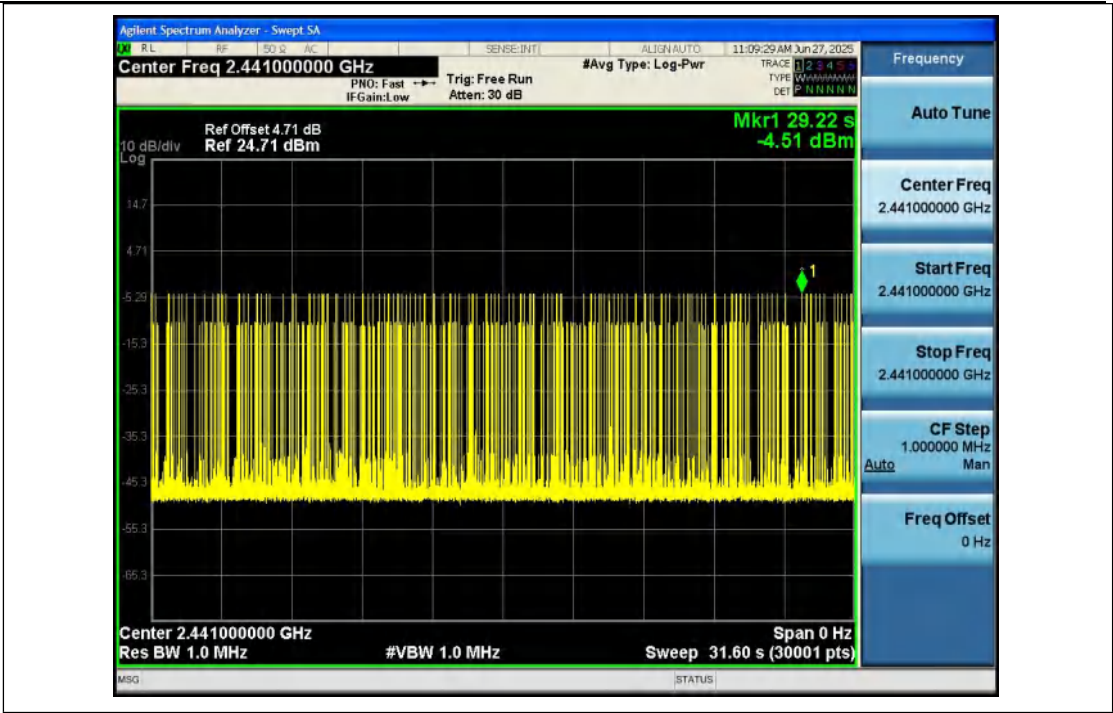
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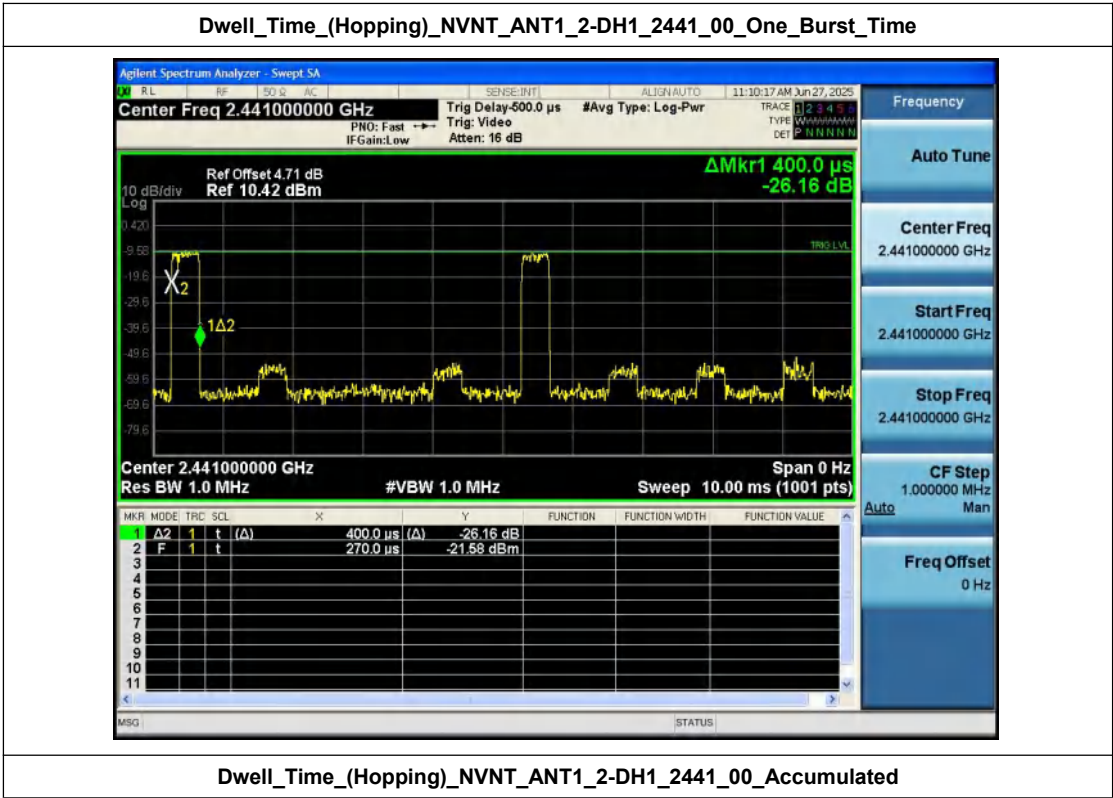
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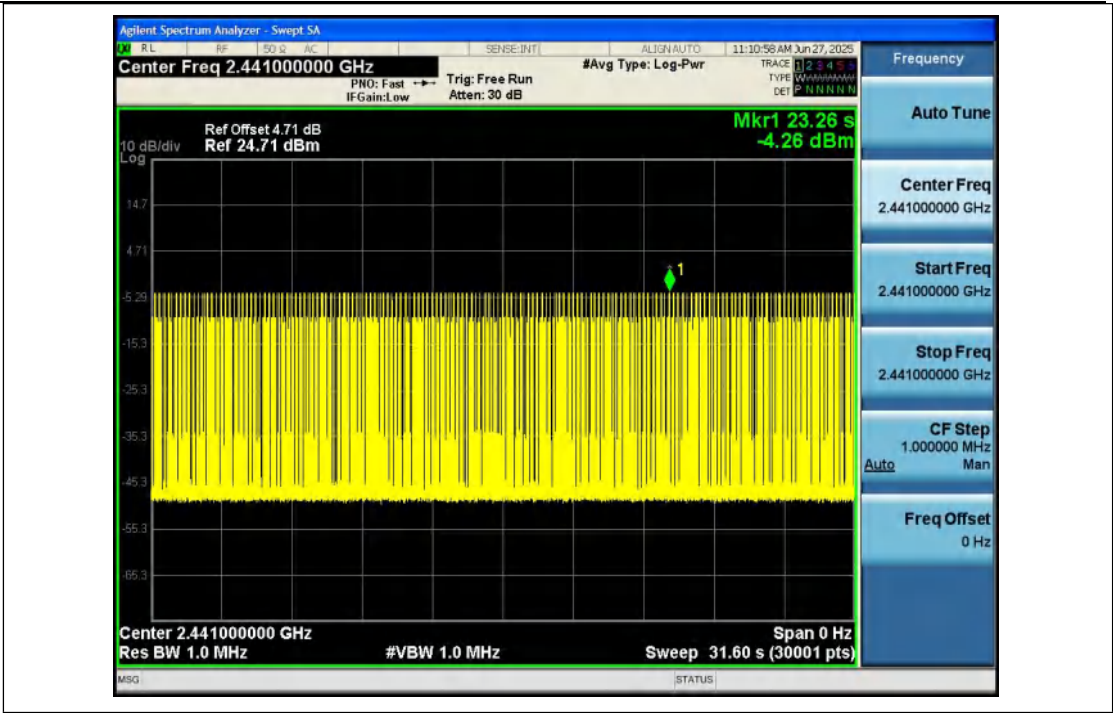
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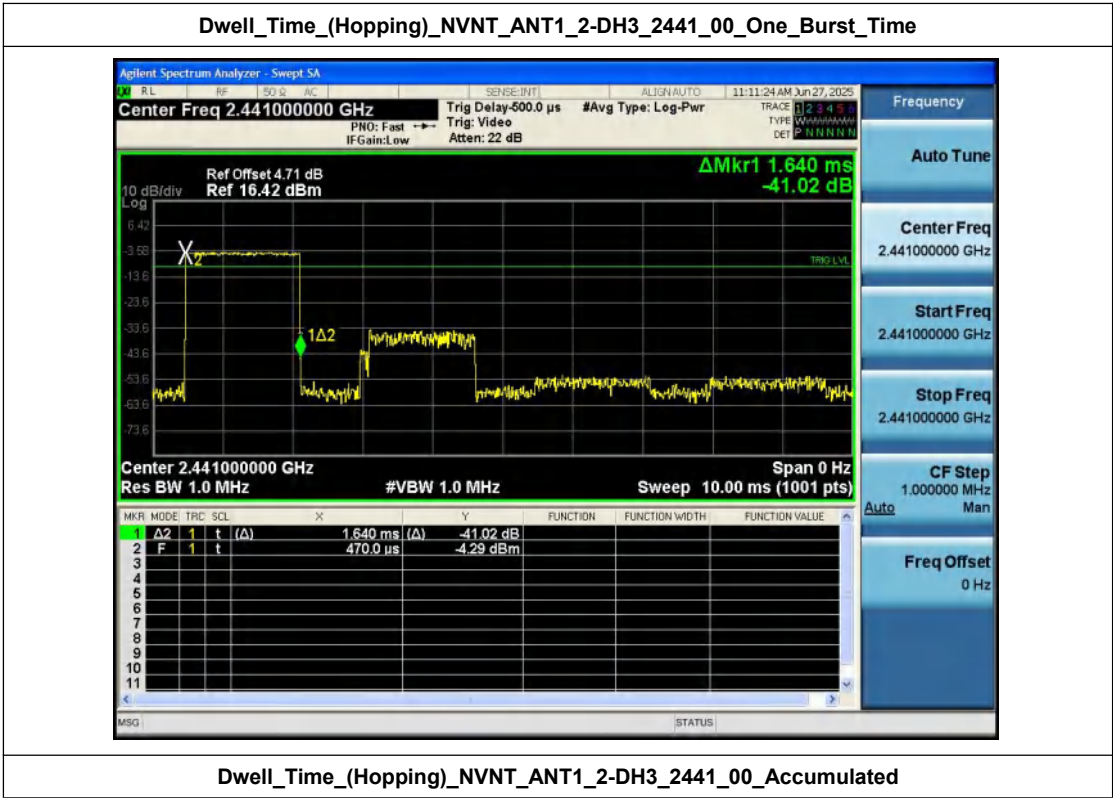
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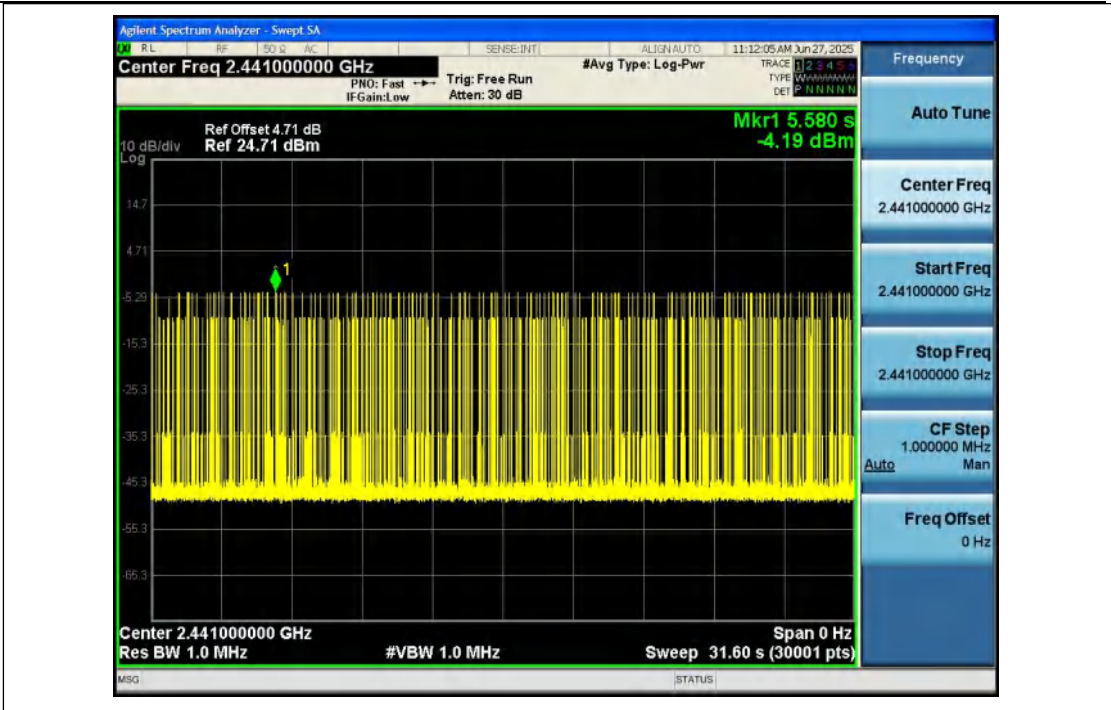
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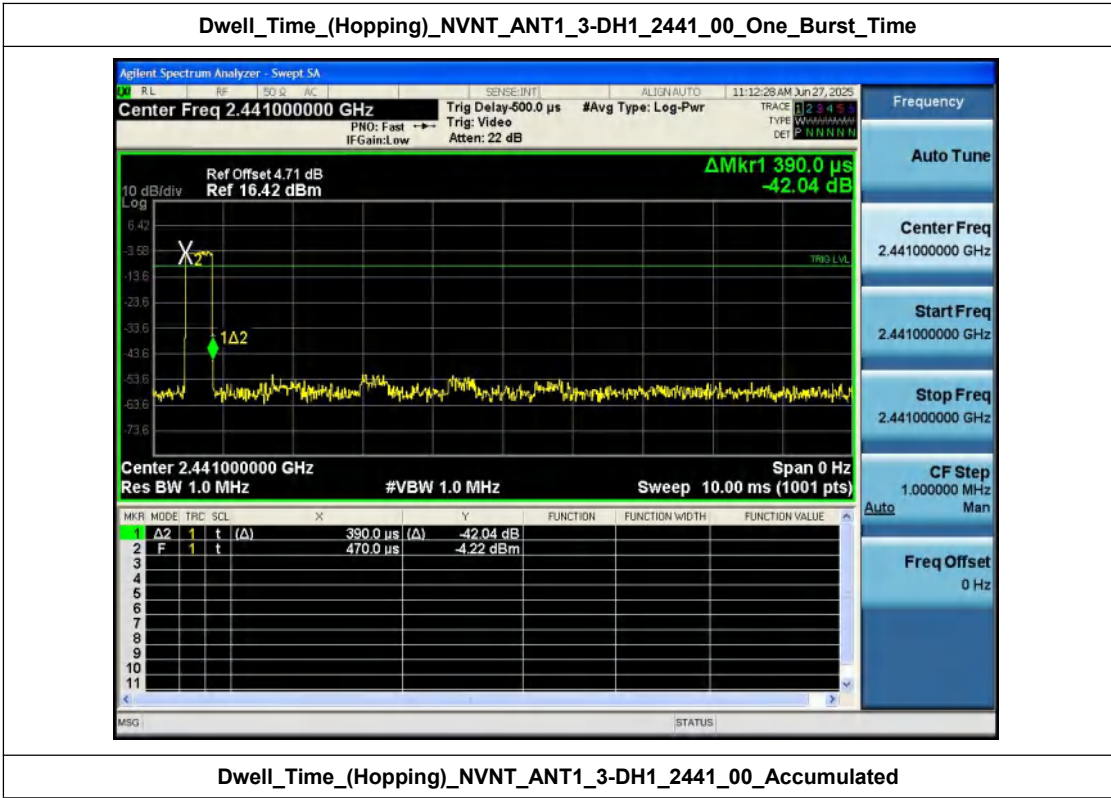
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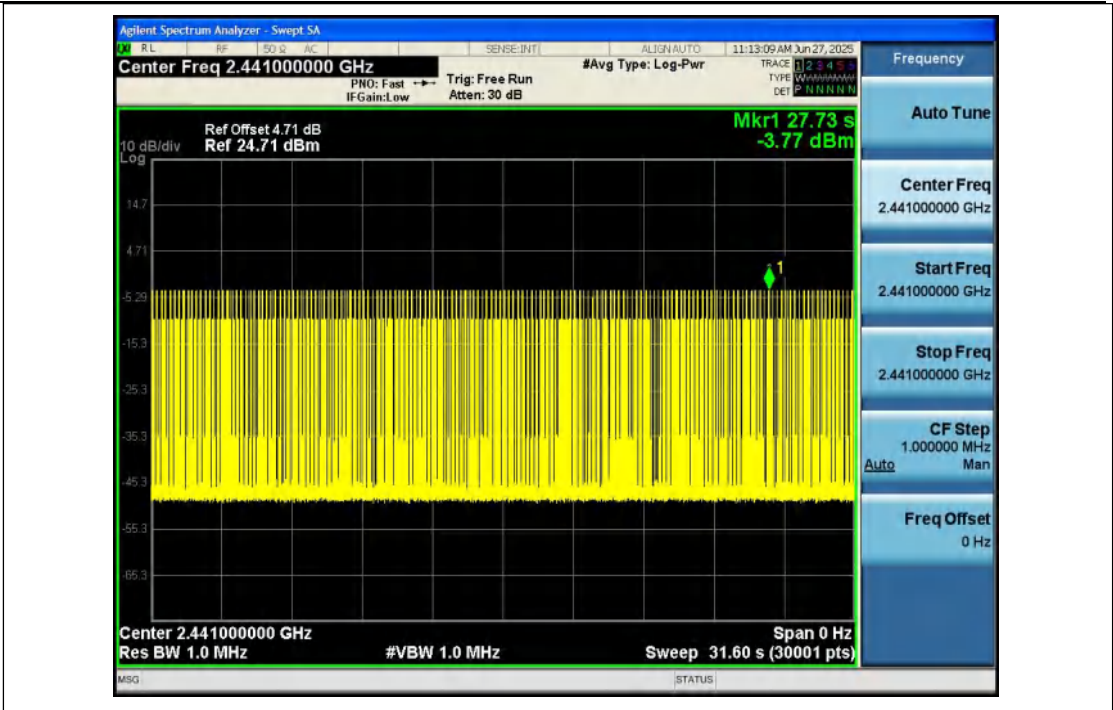
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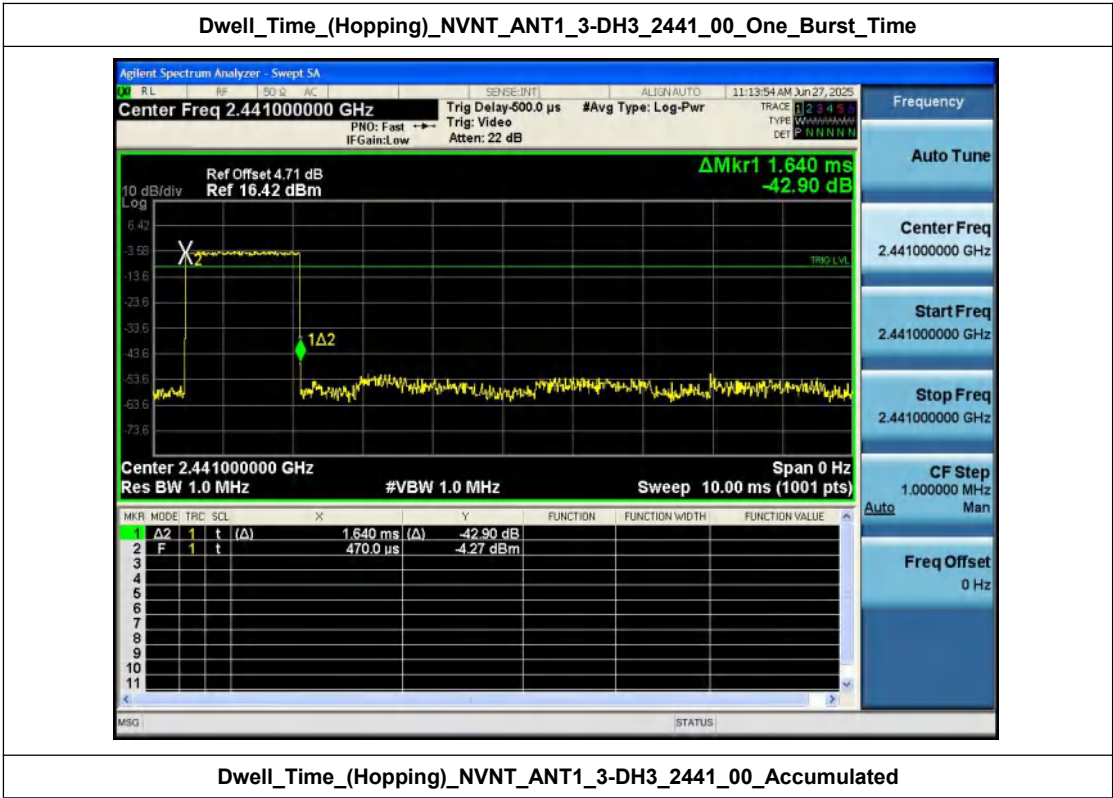
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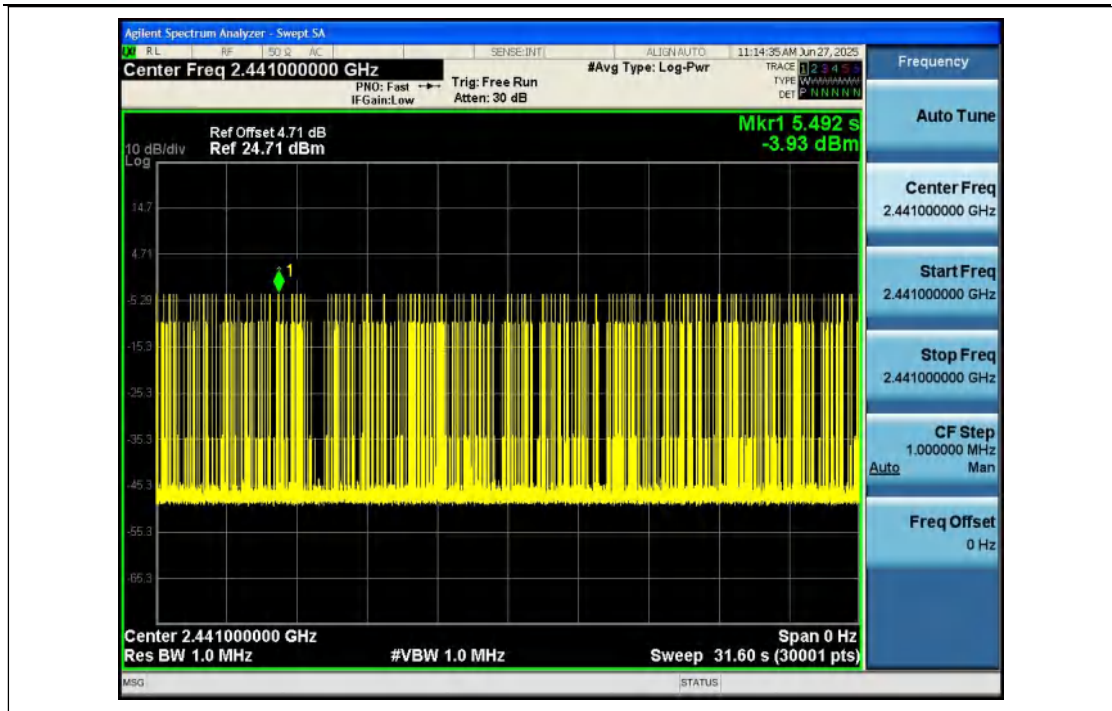
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Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated



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