

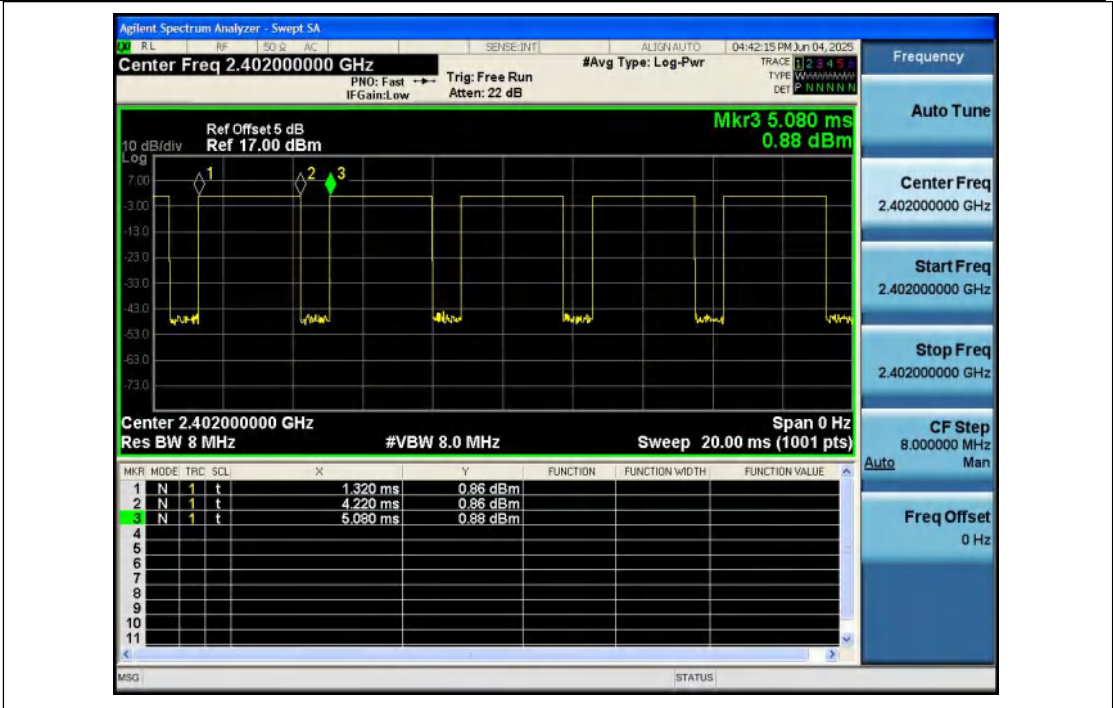
Appendix Test Data

Report No.:	1812C50261812501	Test Sample No.:	1-2-2
Start Test Date:	2025.5.29	Finish Test Date:	2025.6.4
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.2°C	Relative Humidity:	61%
Pressure:	101kPa		

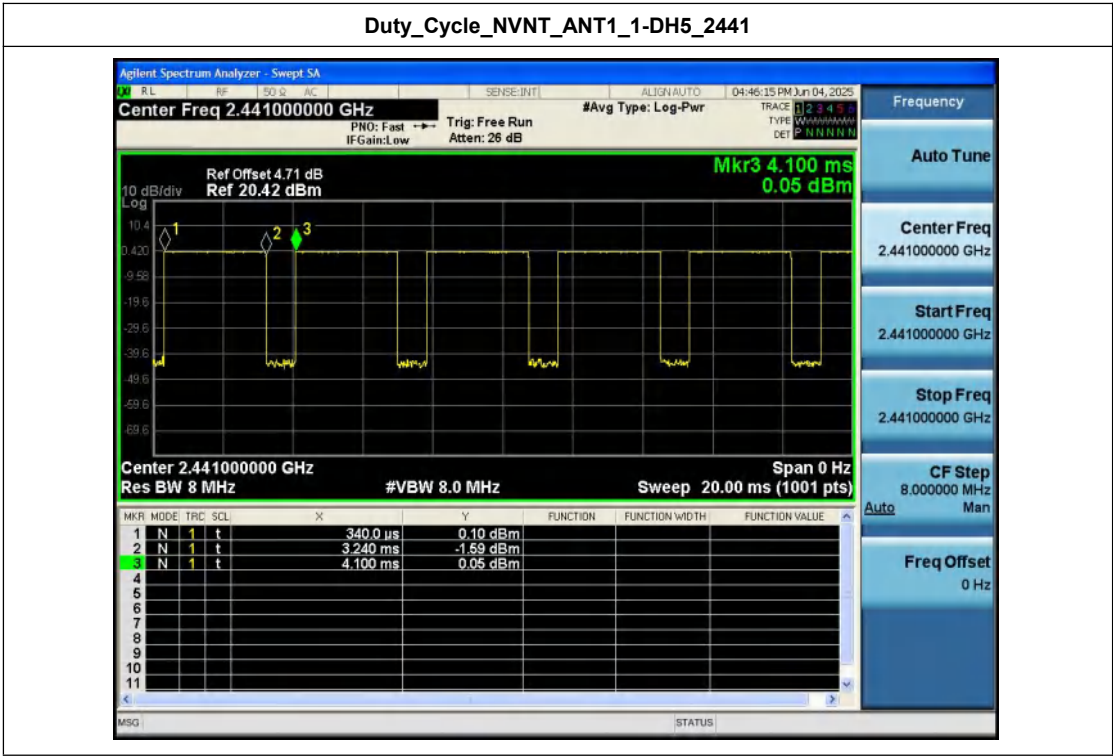
Appendix A: Duty Cycle

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

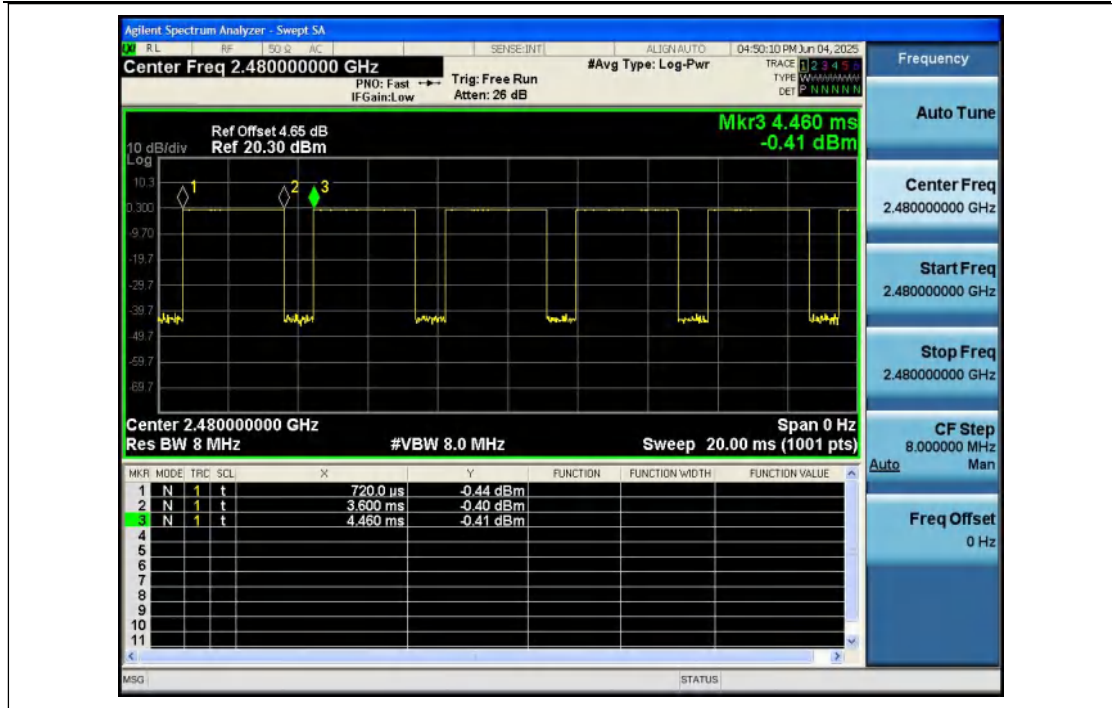
Duty_Cycle_NVNT_ANT1_1-DH5_2402



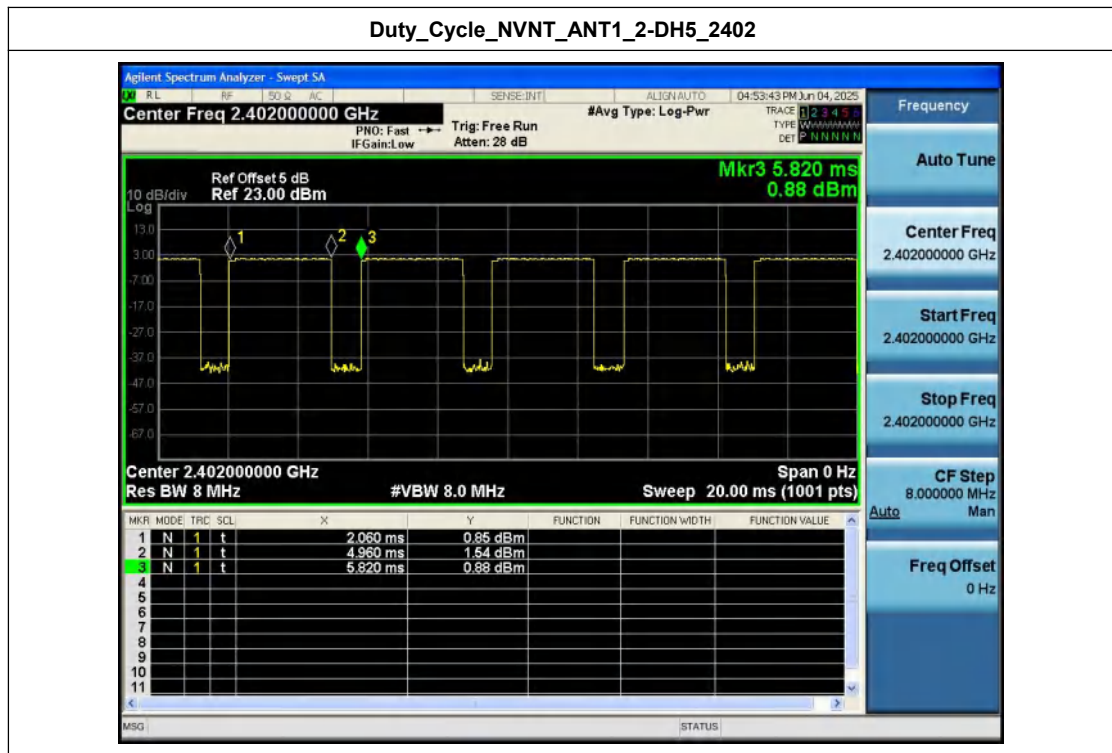
Duty_Cycle_NVNT_ANT1_1-DH5_2441



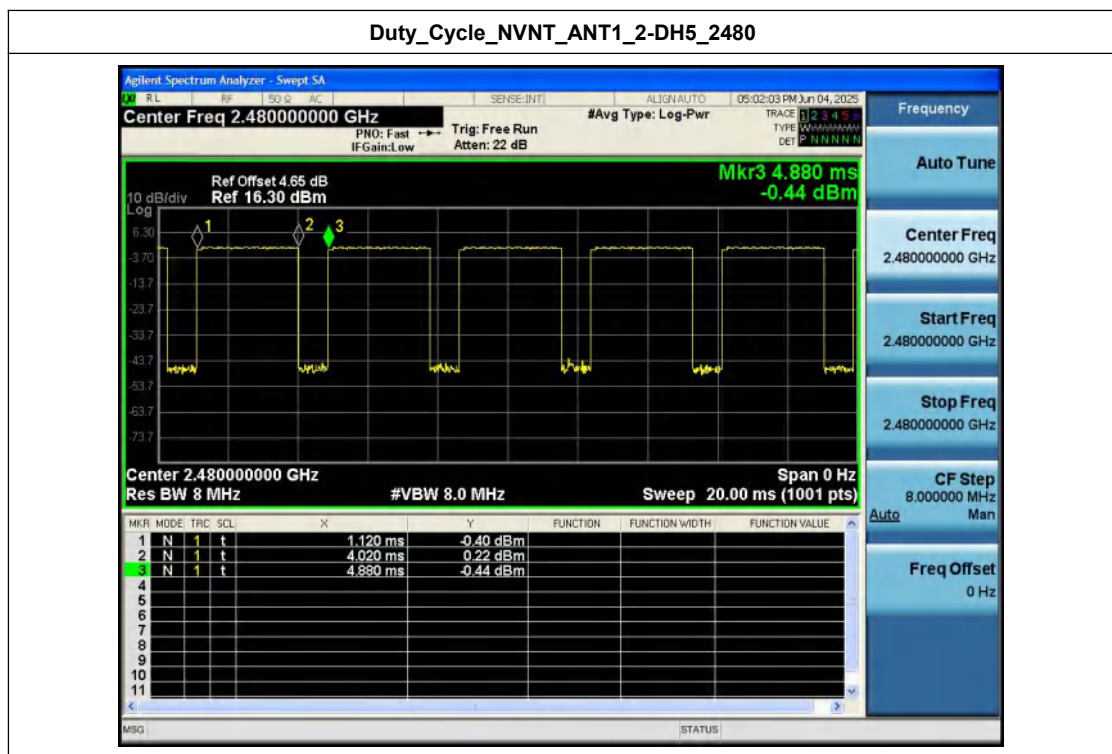
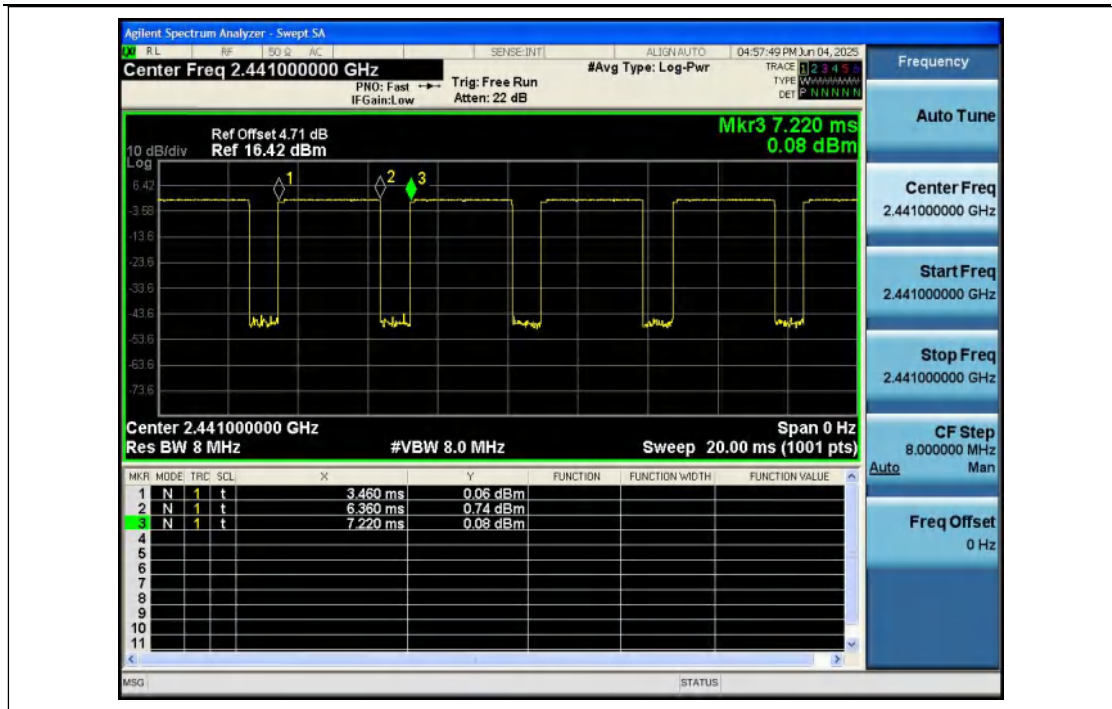
Duty_Cycle_NVNT_ANT1_1-DH5_2480

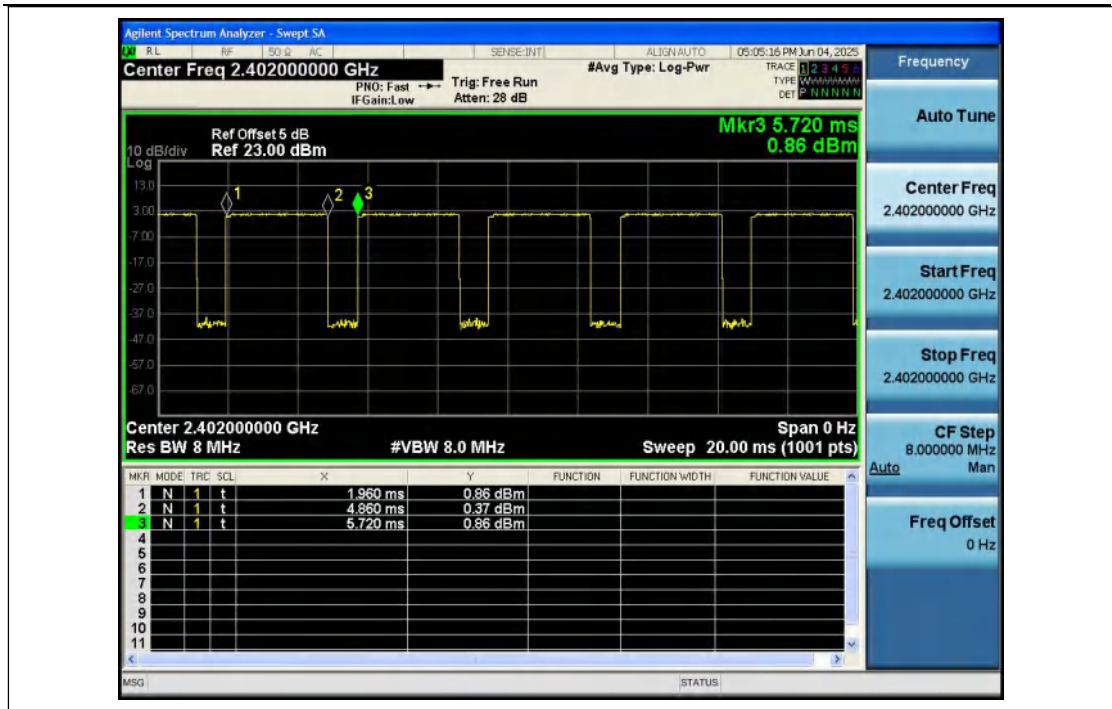


Duty_Cycle_NVNT_ANT1_2-DH5_2402

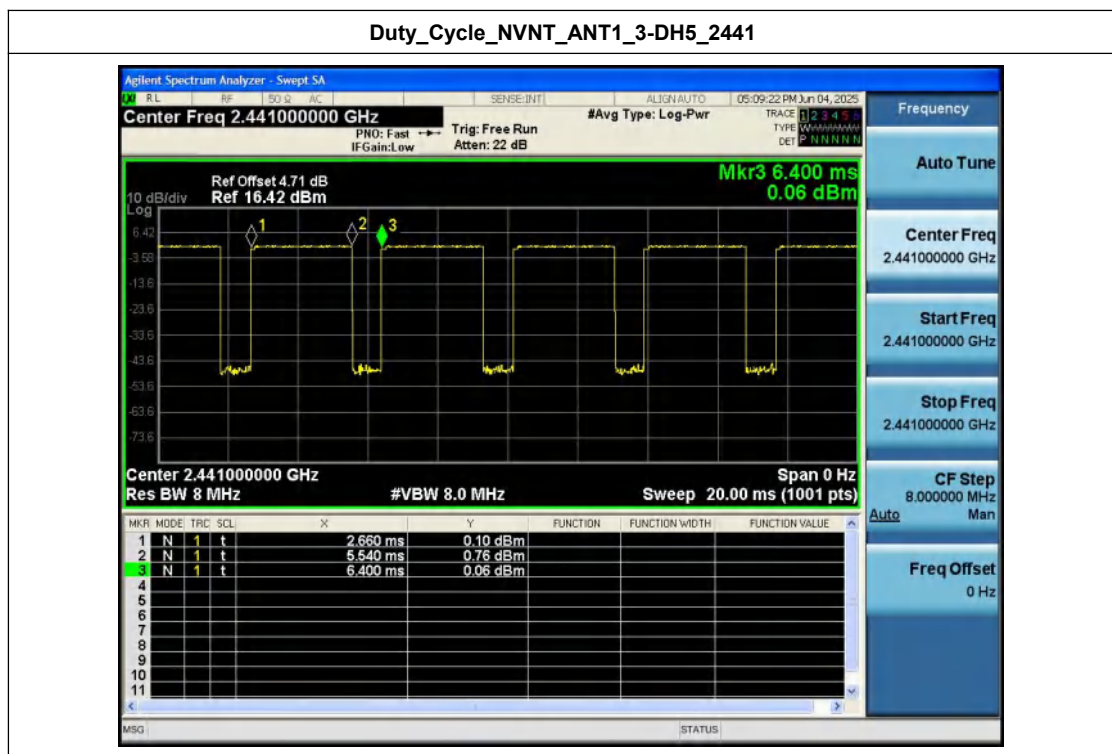


Duty_Cycle_NVNT_ANT1_2-DH5_2441

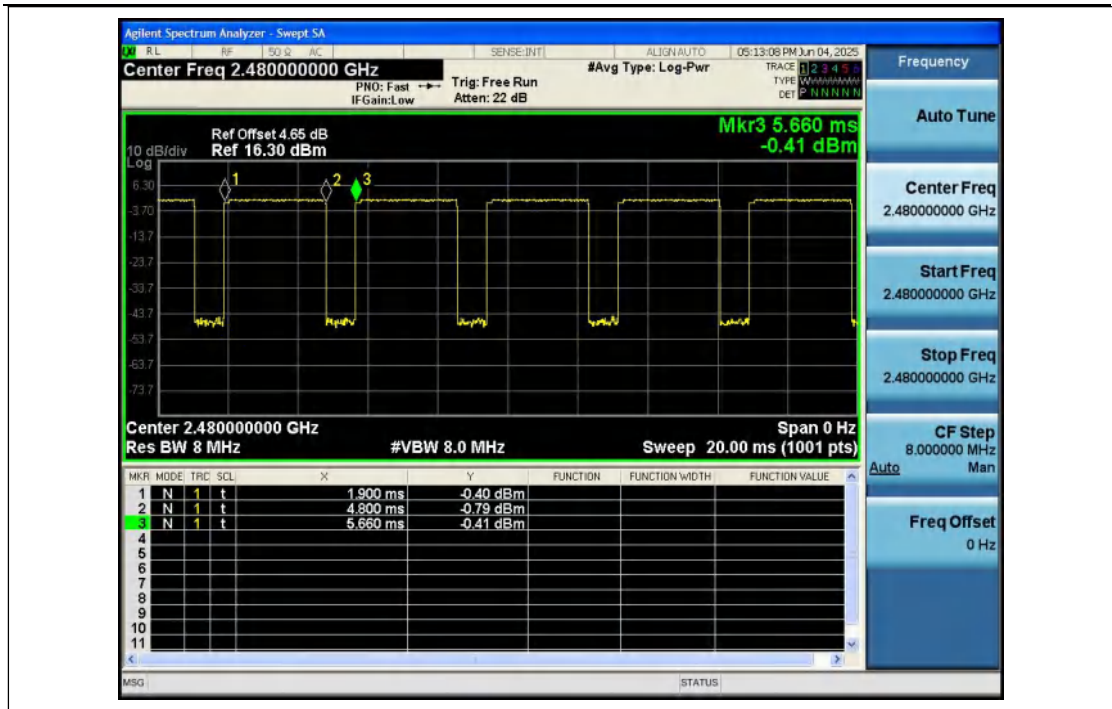




Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotech.com

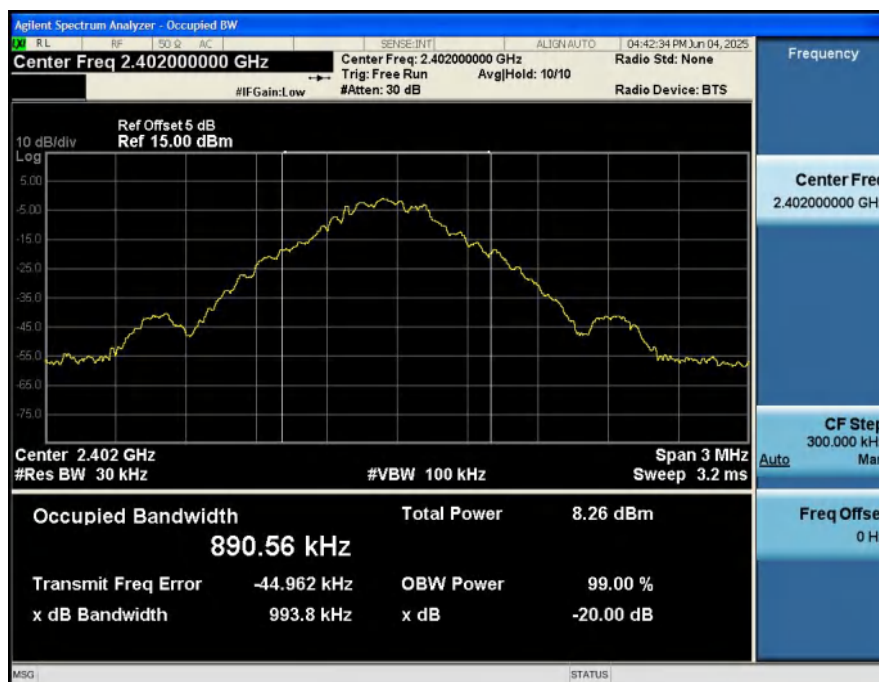


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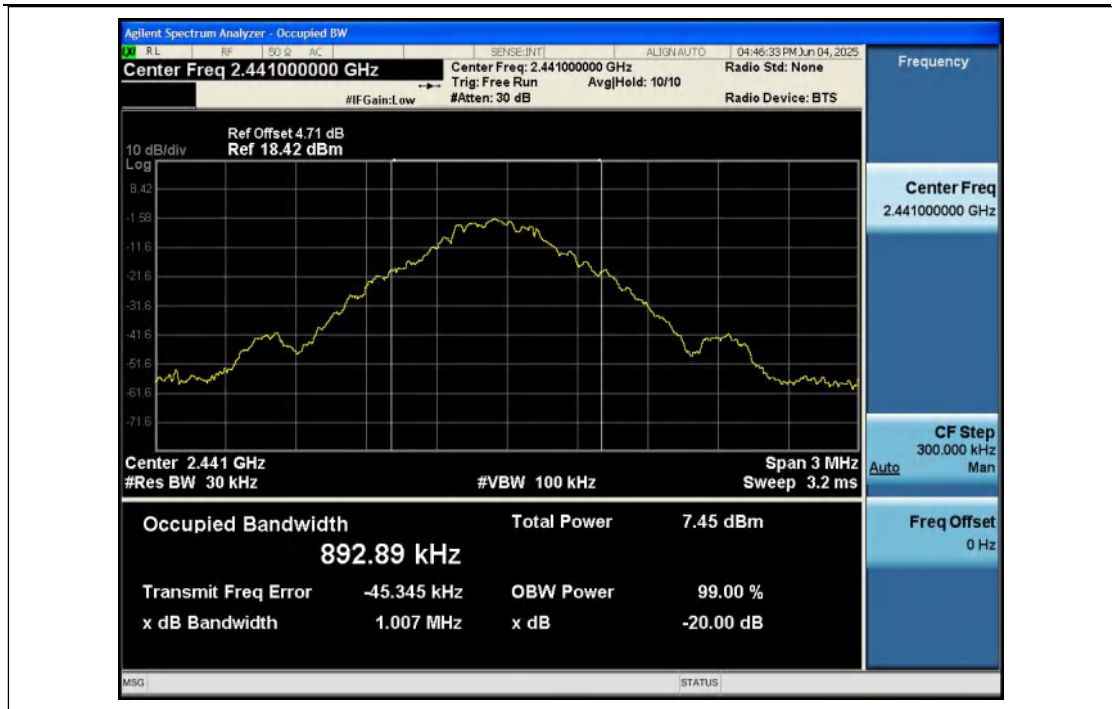
Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.994	No
NVNT	ANT1	1-DH5	2441.00	1.007	Yes
NVNT	ANT1	1-DH5	2480.00	1.034	Yes
NVNT	ANT1	2-DH5	2402.00	1.286	Yes
NVNT	ANT1	2-DH5	2441.00	1.313	Yes
NVNT	ANT1	2-DH5	2480.00	1.286	Yes
NVNT	ANT1	3-DH5	2402.00	1.290	Yes
NVNT	ANT1	3-DH5	2441.00	1.300	Yes
NVNT	ANT1	3-DH5	2480.00	1.299	Yes

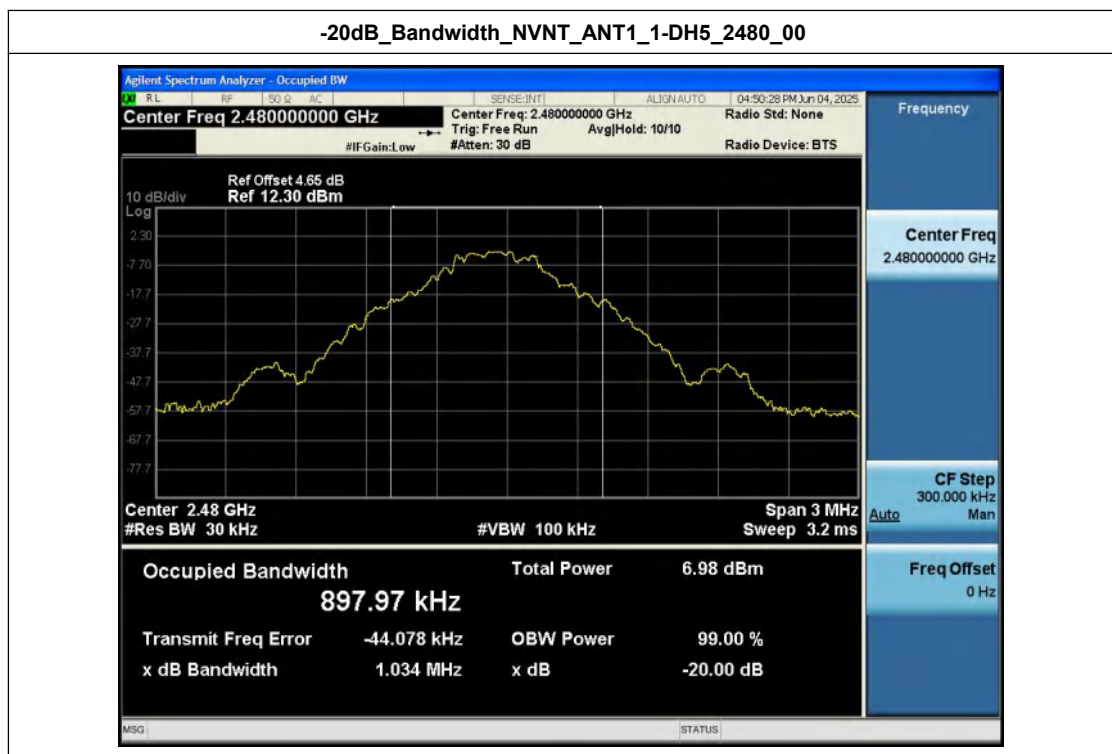
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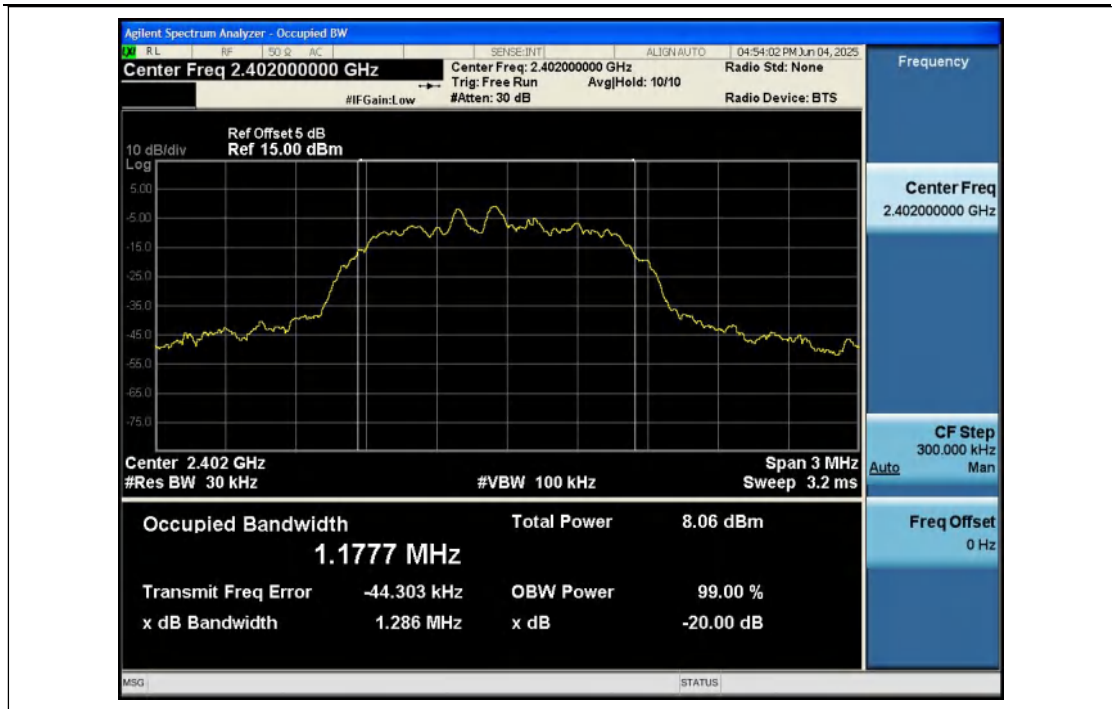
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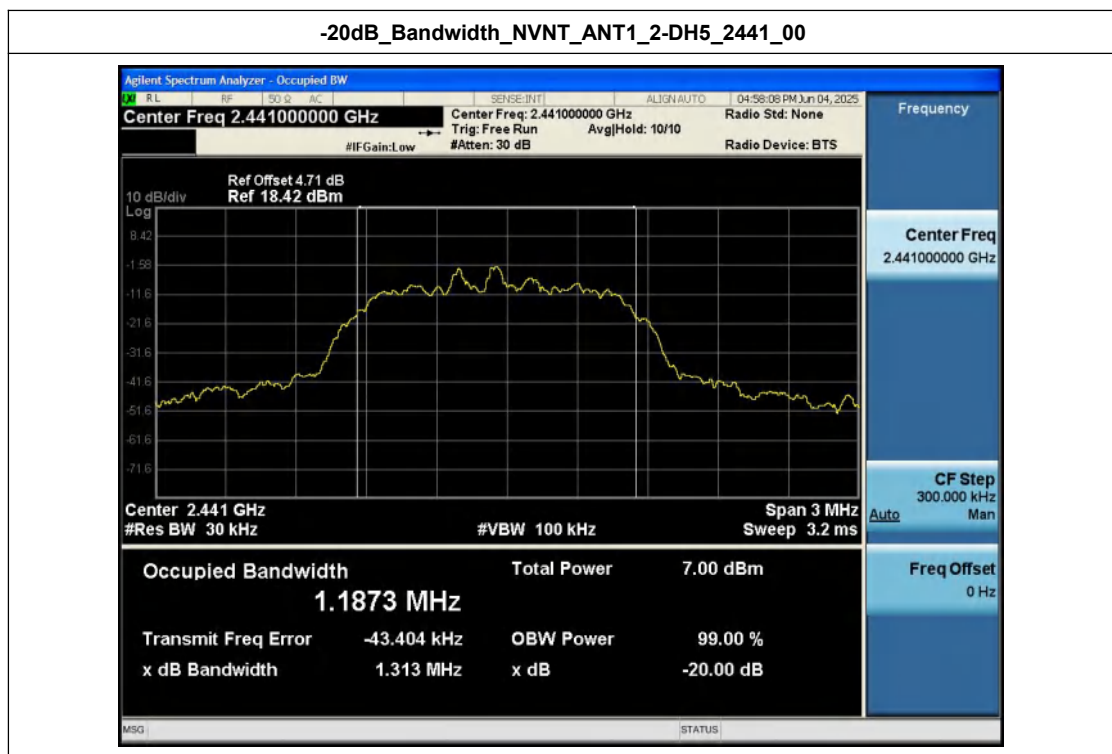
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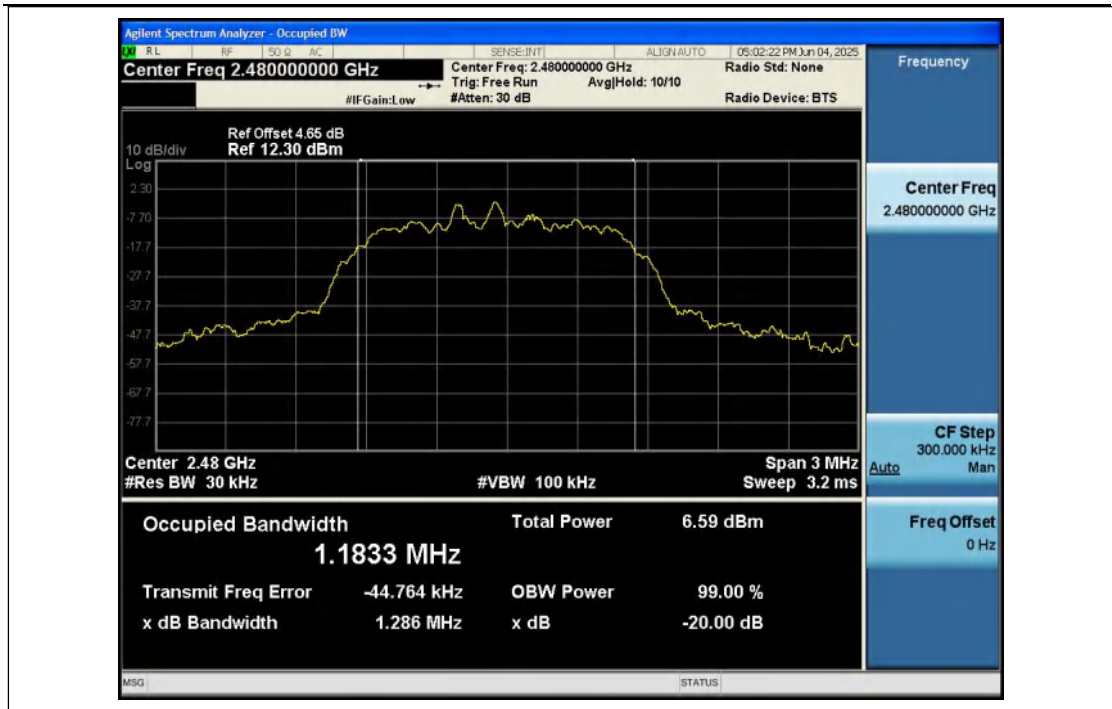
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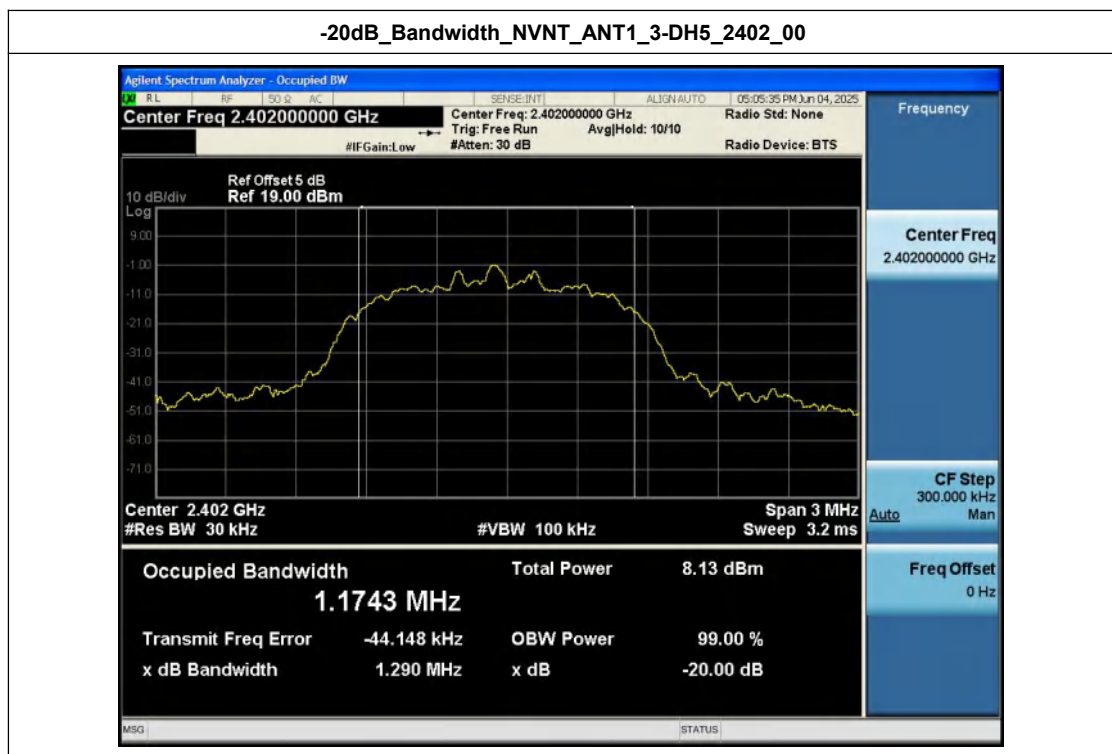
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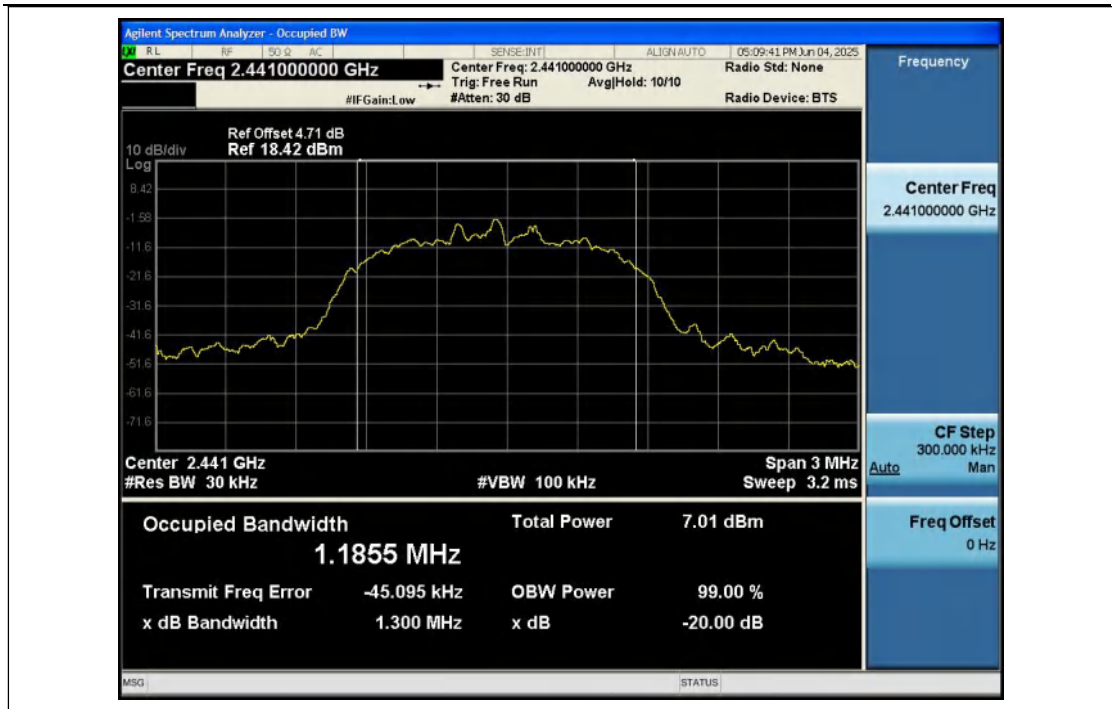
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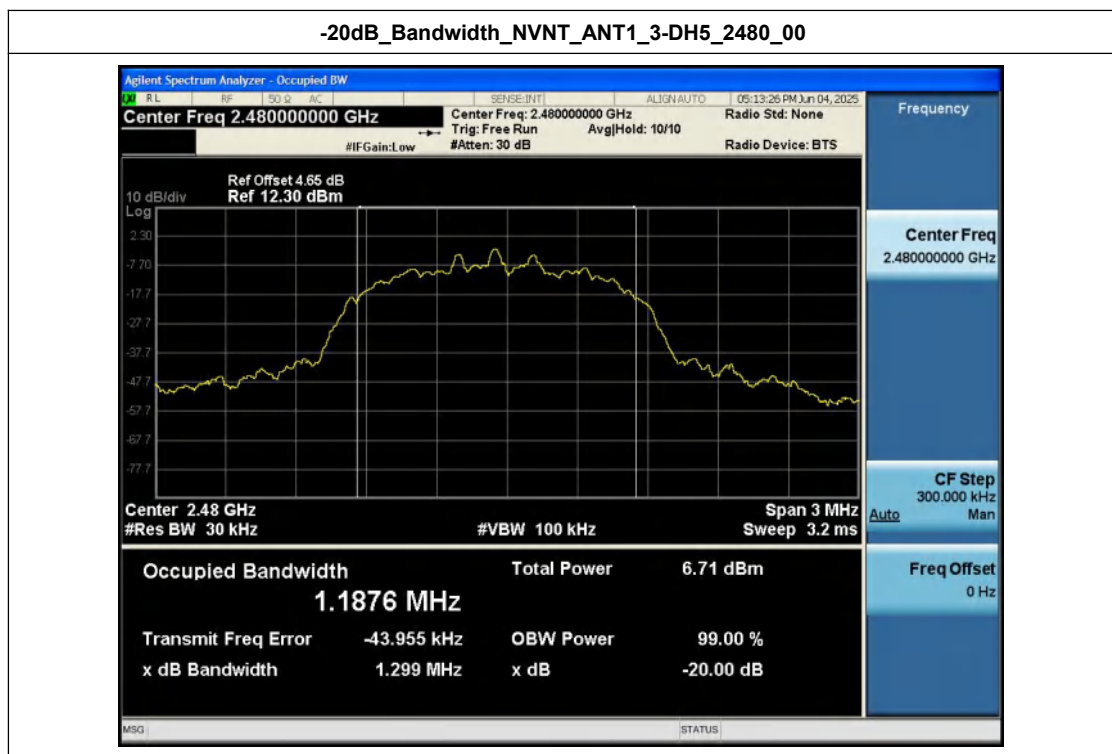
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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00



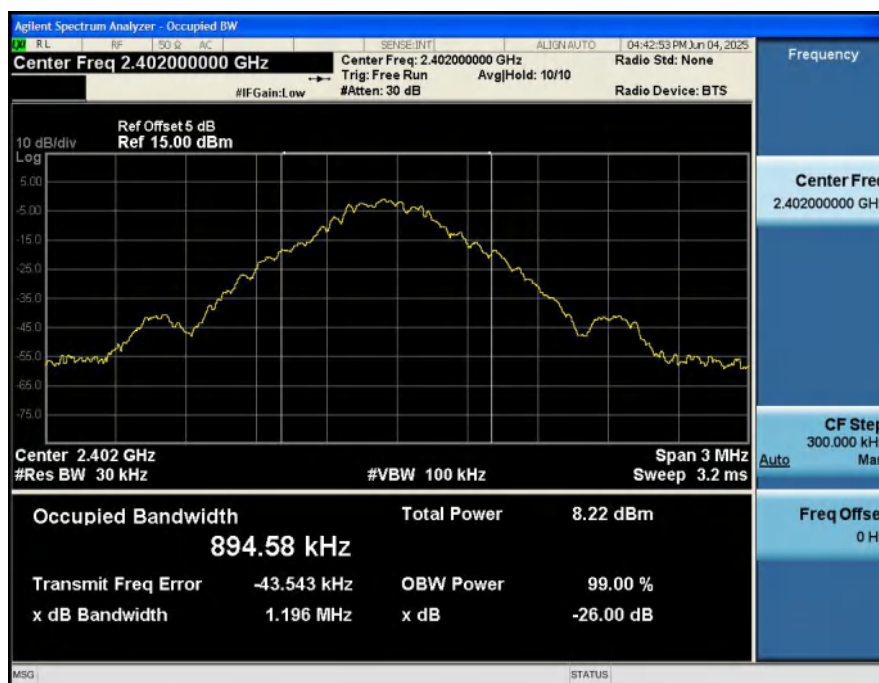
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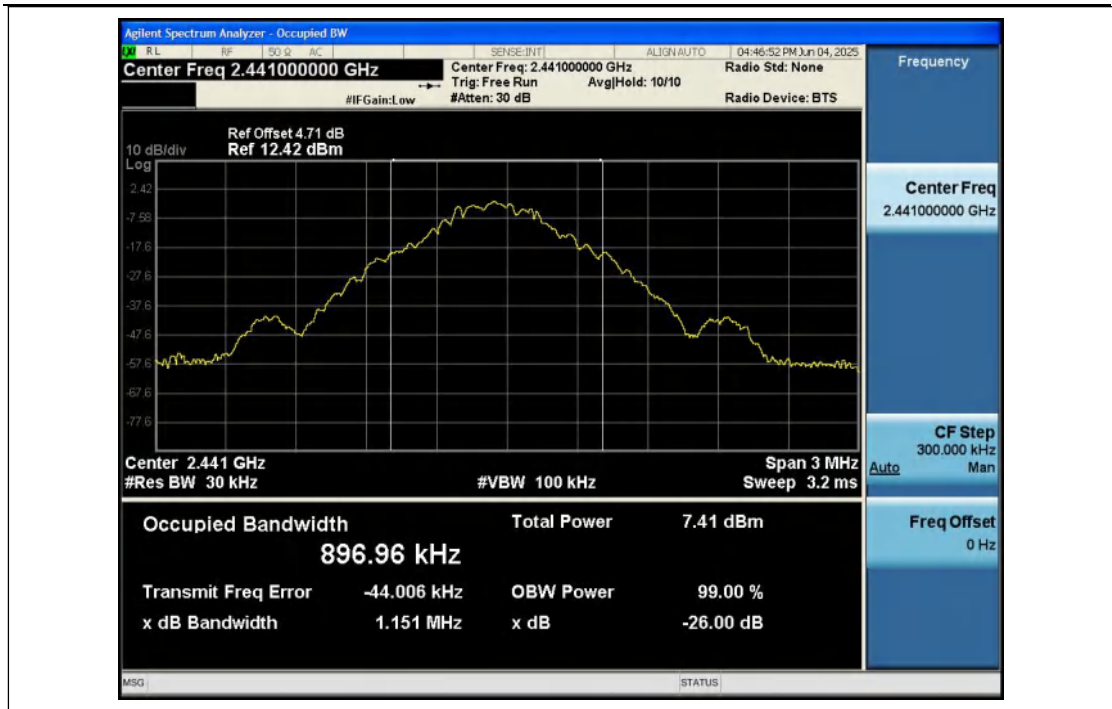
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.895
NVNT	ANT1	1-DH5	2441.00	0.897
NVNT	ANT1	1-DH5	2480.00	0.896
NVNT	ANT1	2-DH5	2402.00	1.185
NVNT	ANT1	2-DH5	2441.00	1.187
NVNT	ANT1	2-DH5	2480.00	1.186
NVNT	ANT1	3-DH5	2402.00	1.174
NVNT	ANT1	3-DH5	2441.00	1.186
NVNT	ANT1	3-DH5	2480.00	1.192

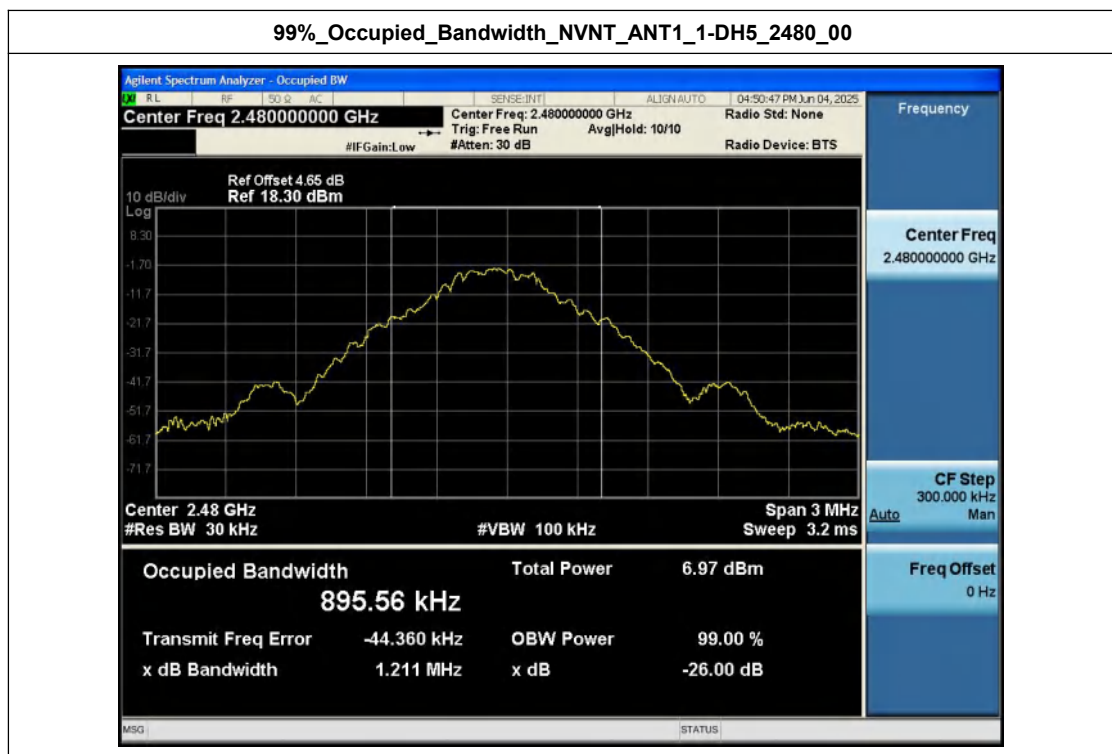
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00



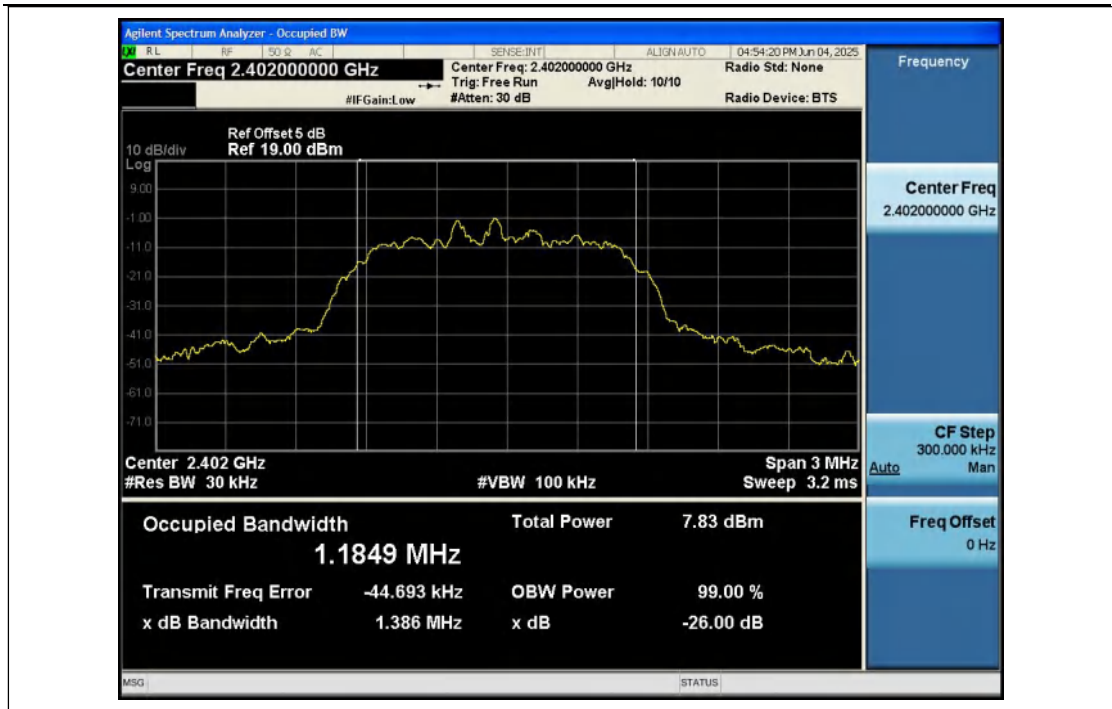
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



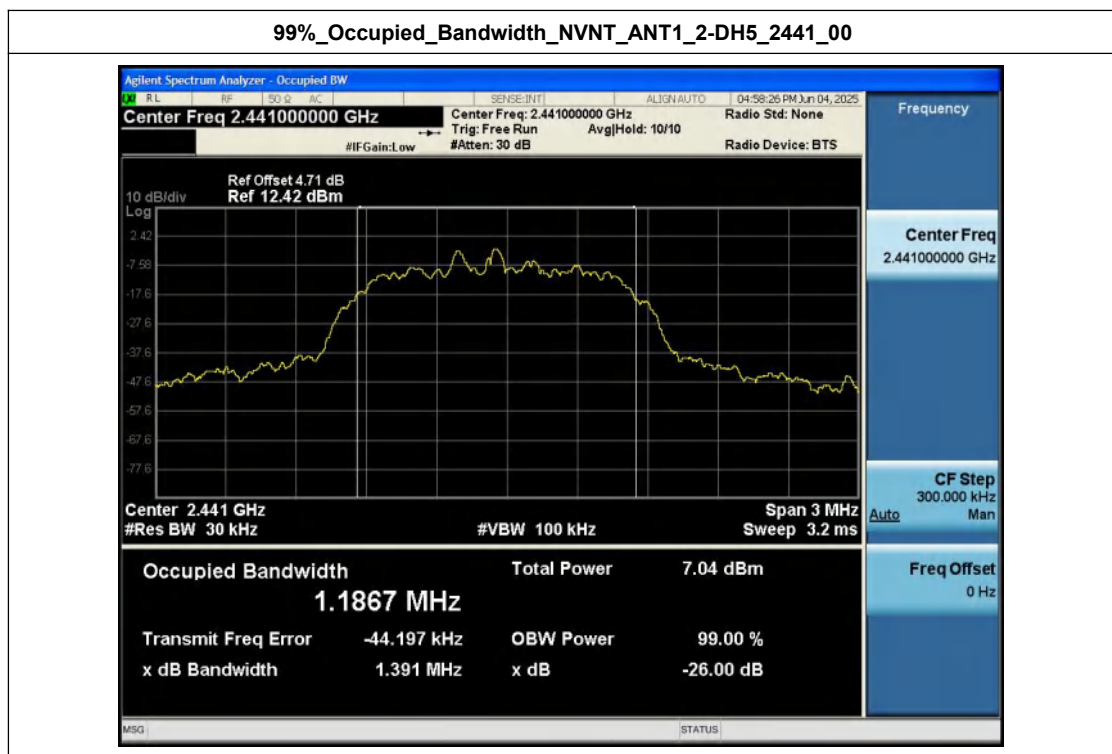
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



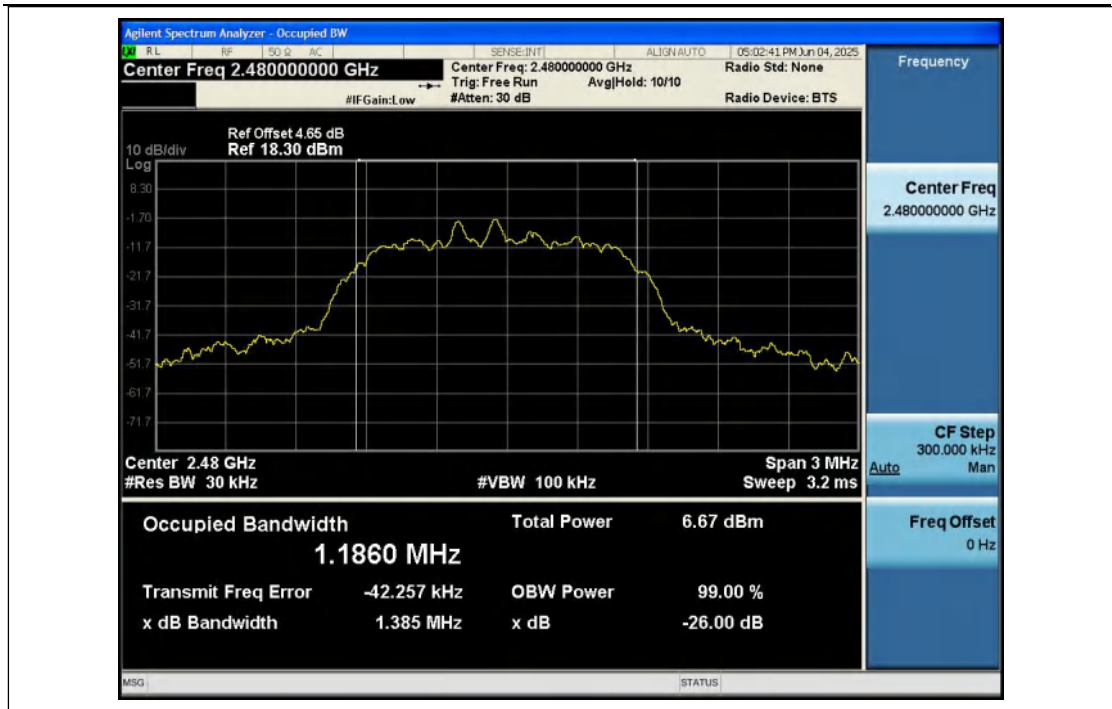
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



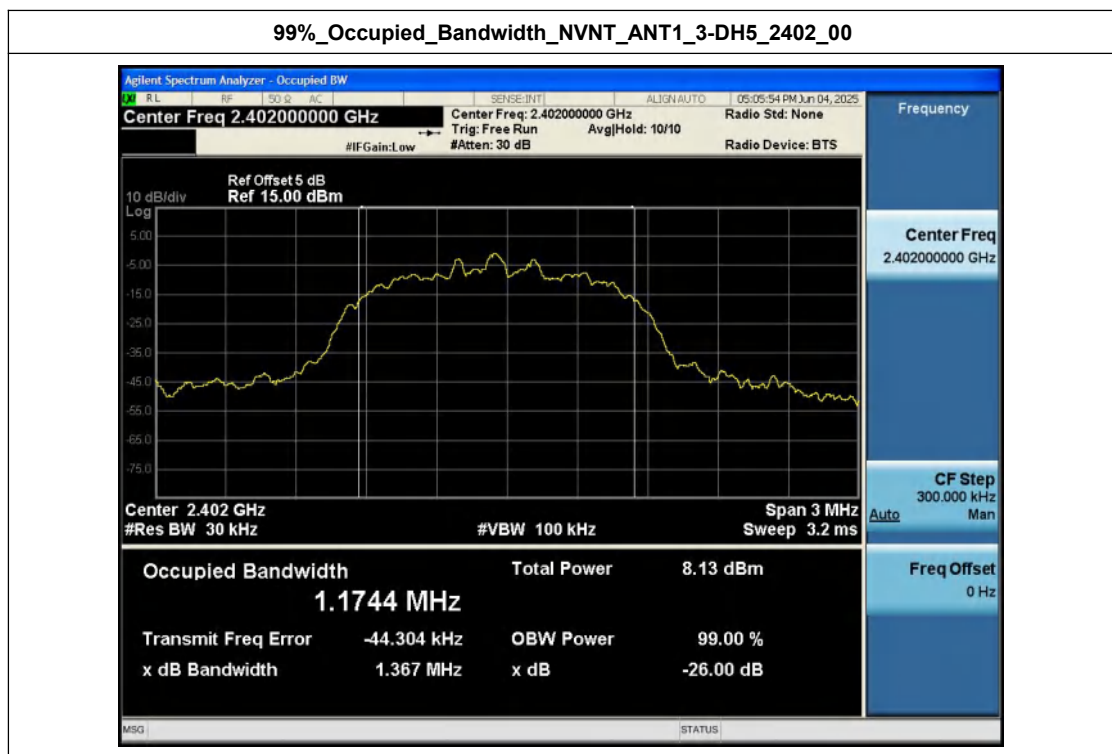
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00



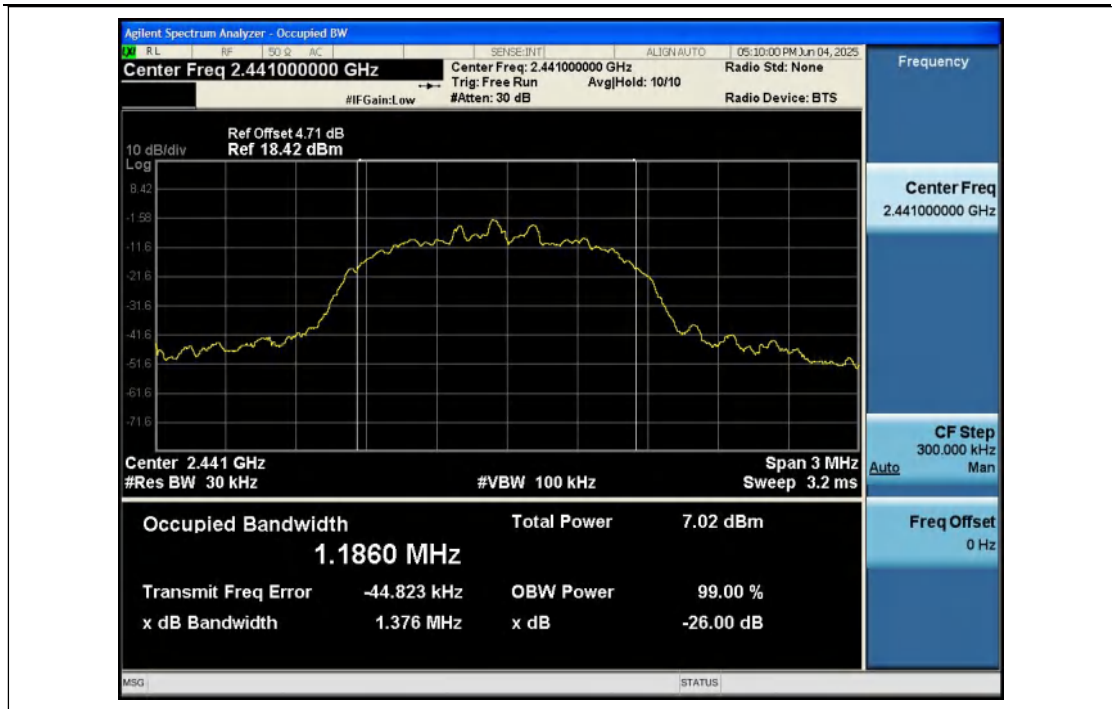
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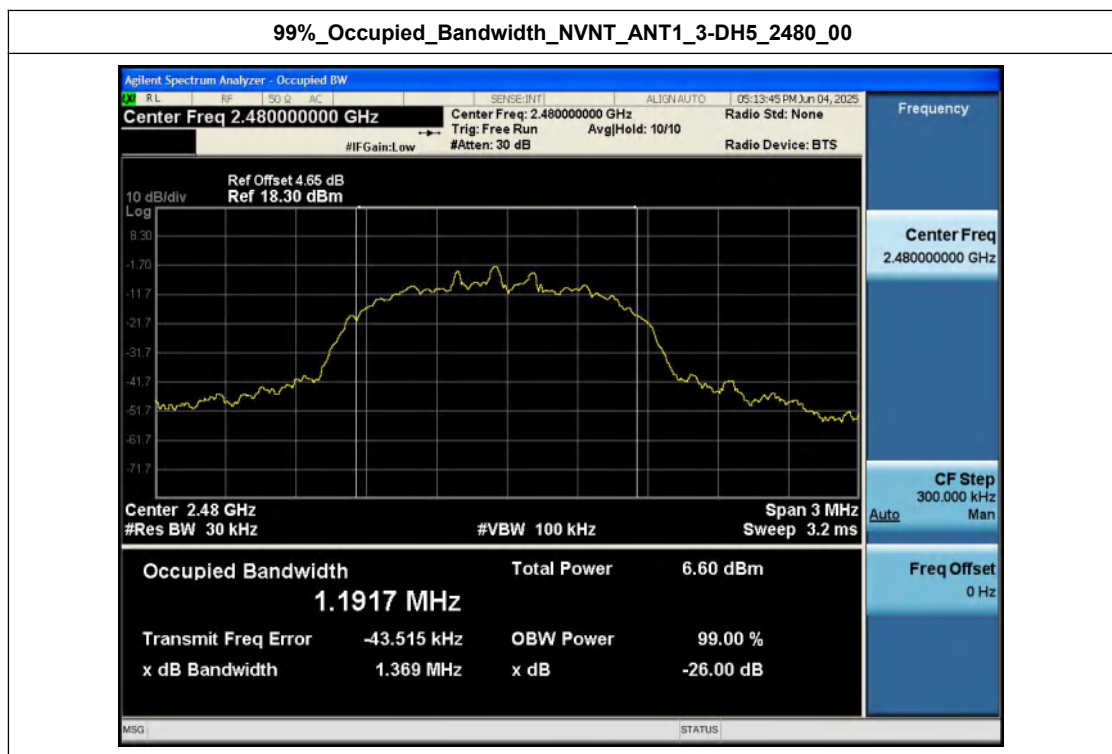
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



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	0.85	1.22	1000	Pass
NVNT	ANT1	1-DH5	2441.00	0.12	1.03	125	Pass
NVNT	ANT1	1-DH5	2480.00	-0.40	0.91	125	Pass
NVNT	ANT1	2-DH5	2402.00	1.73	1.49	125	Pass
NVNT	ANT1	2-DH5	2441.00	0.94	1.24	125	Pass
NVNT	ANT1	2-DH5	2480.00	0.76	1.19	125	Pass
NVNT	ANT1	3-DH5	2402.00	2.16	1.64	125	Pass
NVNT	ANT1	3-DH5	2441.00	1.37	1.37	125	Pass
NVNT	ANT1	3-DH5	2480.00	0.93	1.24	125	Pass

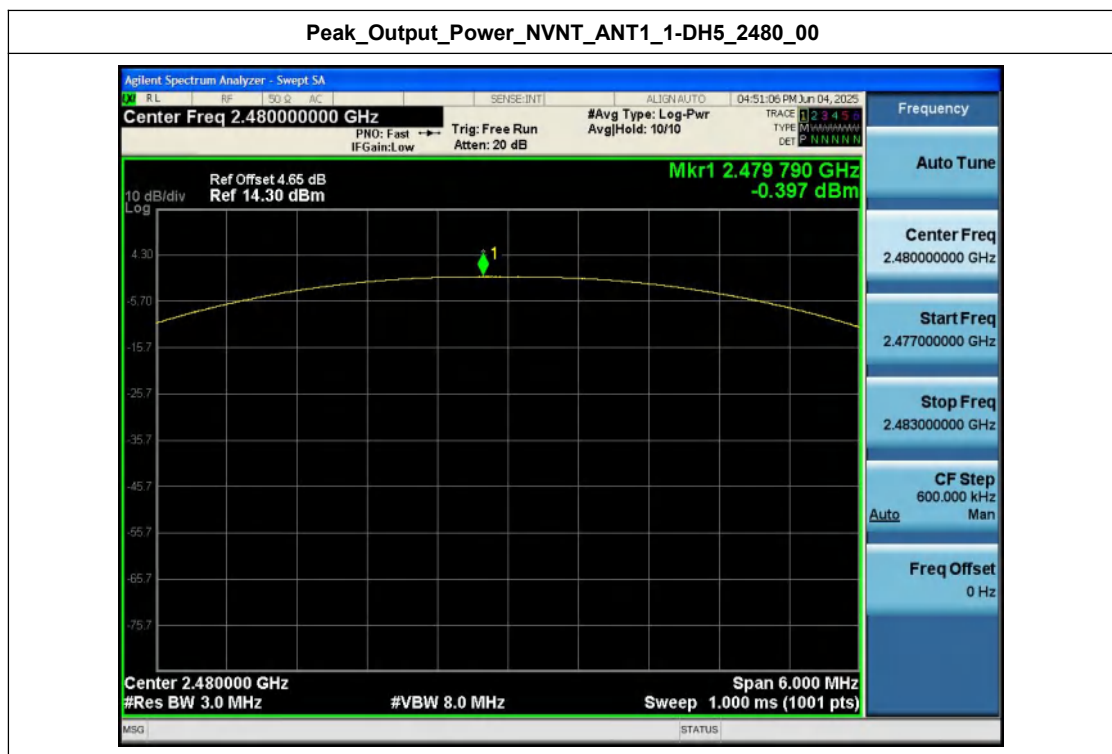
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Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



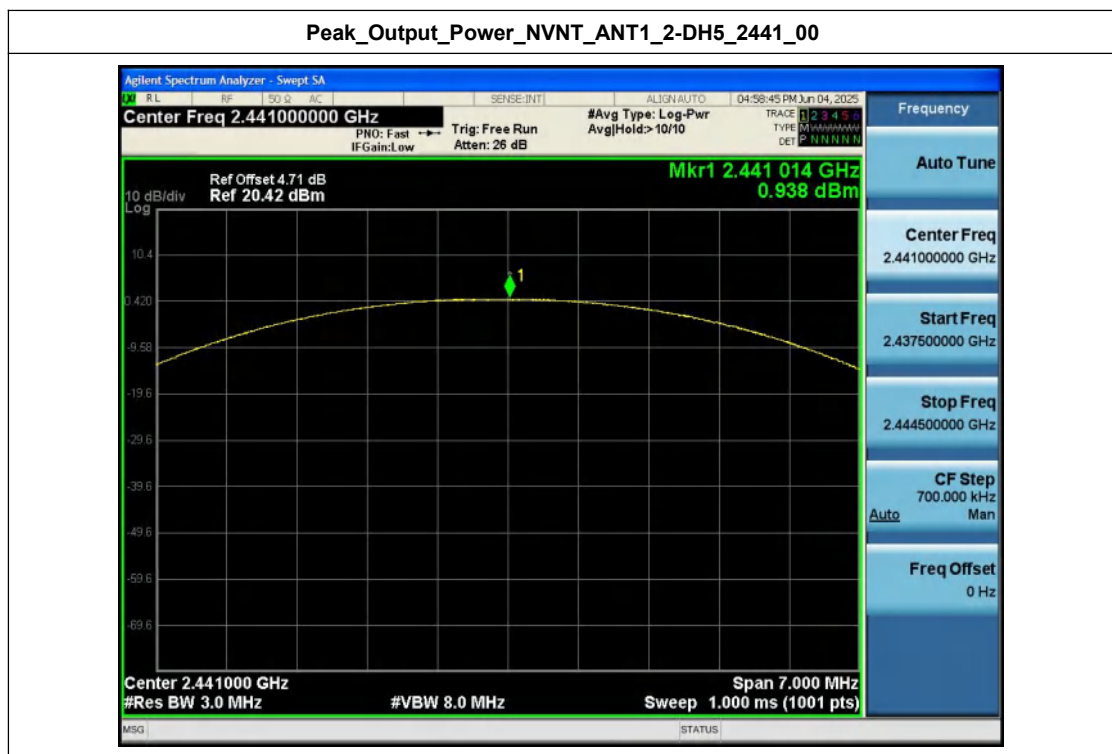
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Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



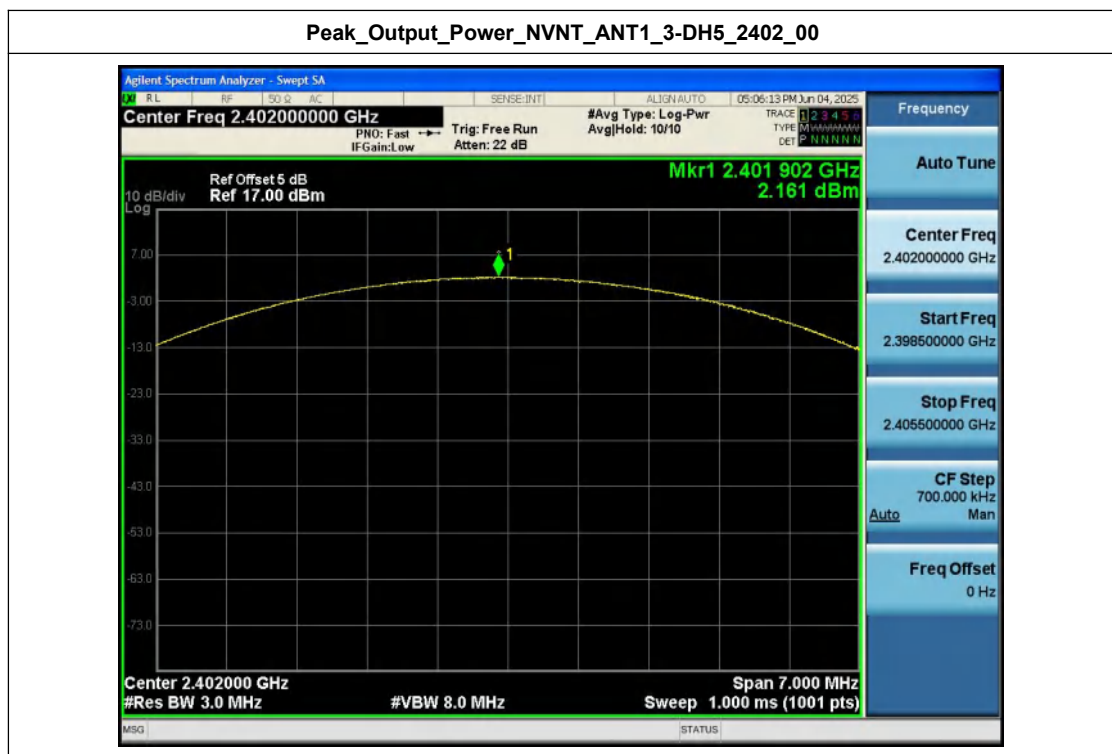
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



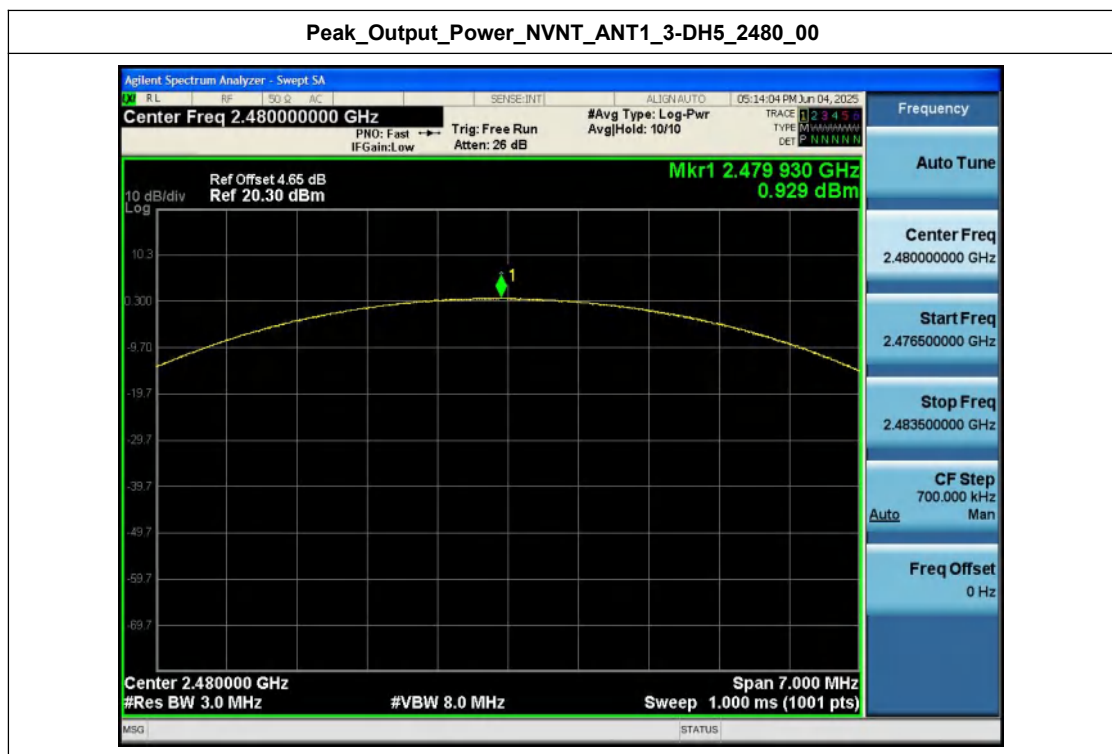
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Spurious Emissions

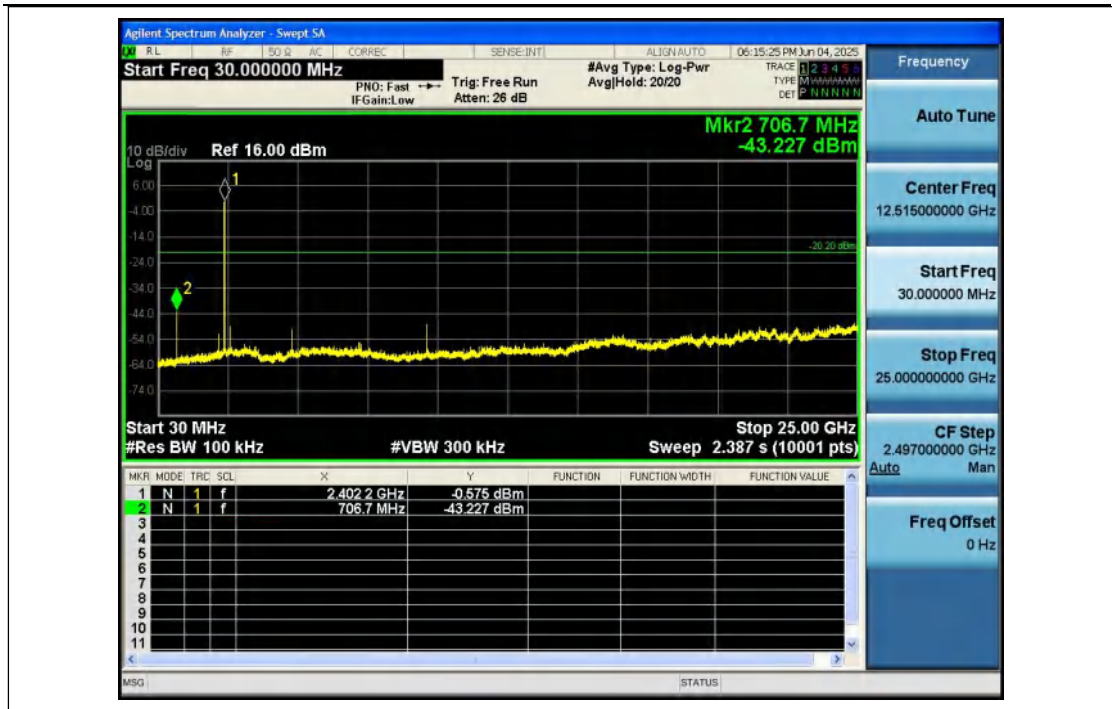
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-0.204	-43.227	-20.204	Pass
NVNT	ANT1	1-DH5	2441.00	-0.956	-44.711	-20.956	Pass
NVNT	ANT1	1-DH5	2480.00	-1.323	-32.681	-21.323	Pass
NVNT	ANT1	2-DH5	2402.00	-0.277	-45.943	-20.277	Pass
NVNT	ANT1	2-DH5	2441.00	-0.827	-45.705	-20.827	Pass
NVNT	ANT1	2-DH5	2480.00	-1.096	-45.099	-21.096	Pass
NVNT	ANT1	3-DH5	2402.00	-0.442	-45.615	-20.442	Pass
NVNT	ANT1	3-DH5	2441.00	-0.781	-45.033	-20.781	Pass
NVNT	ANT1	3-DH5	2480.00	-1.082	-44.697	-21.082	Pass

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

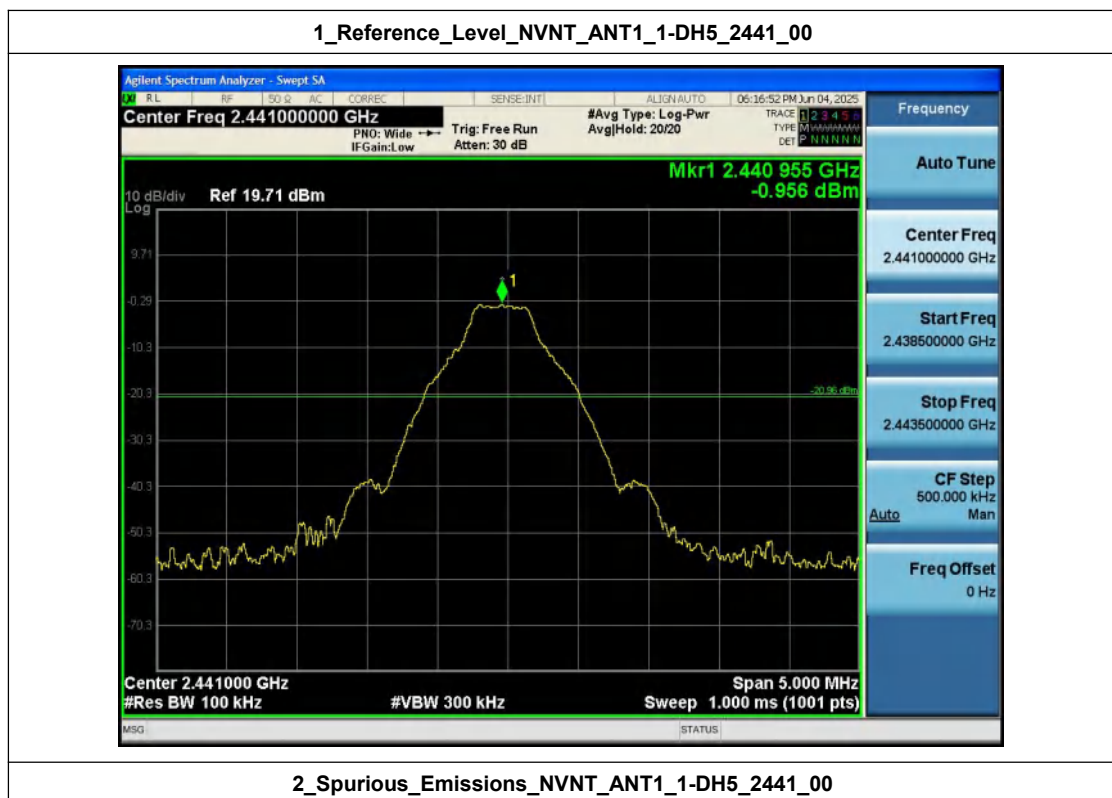
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



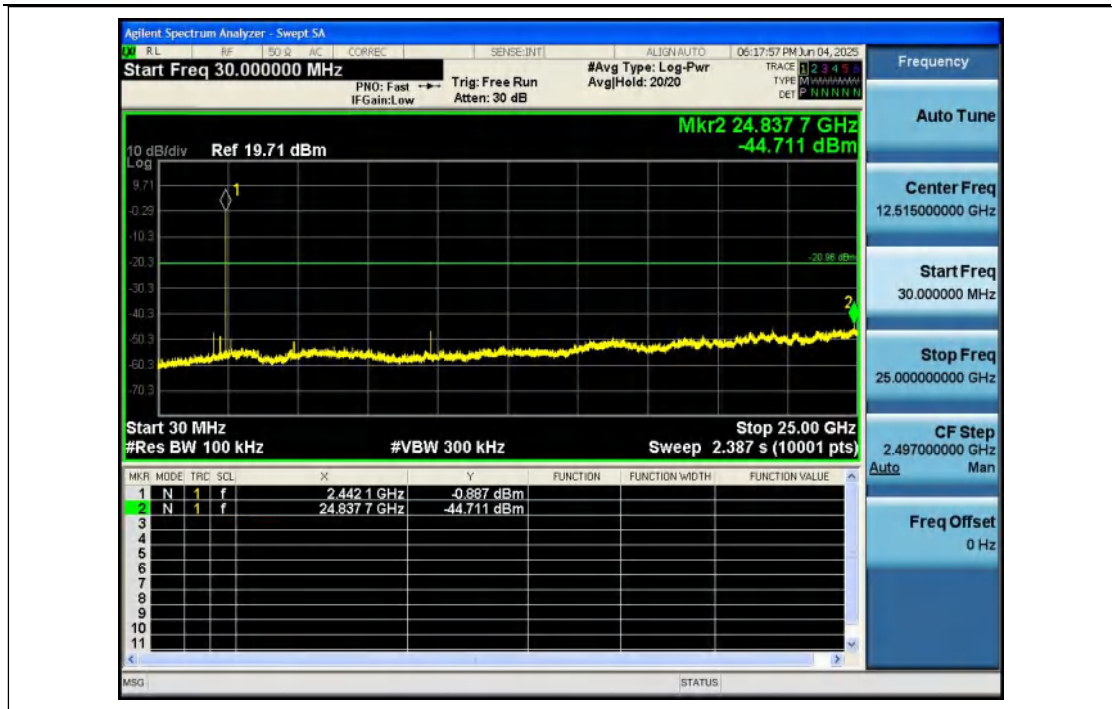
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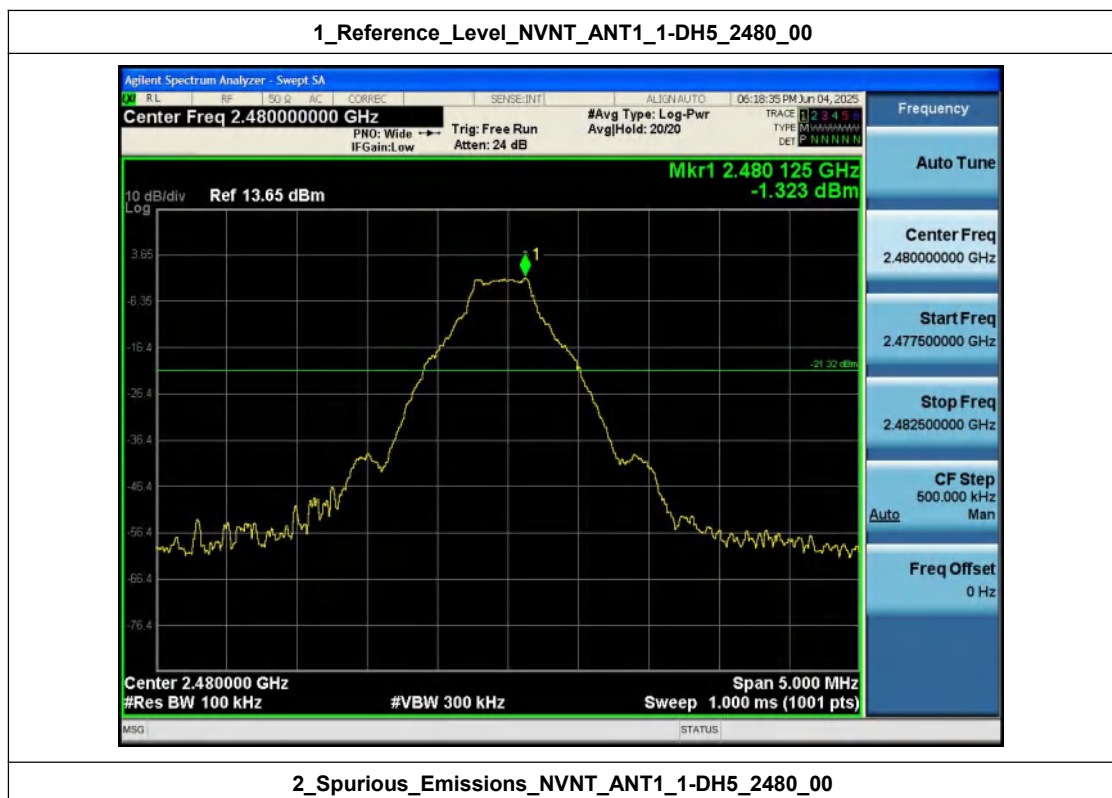
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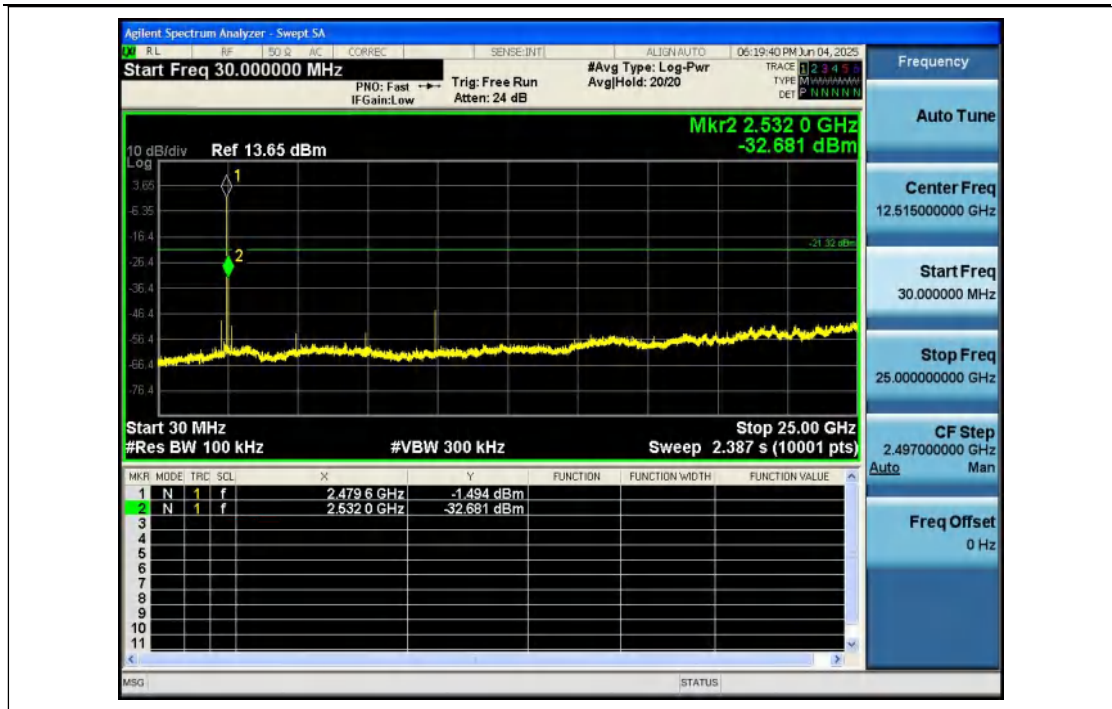
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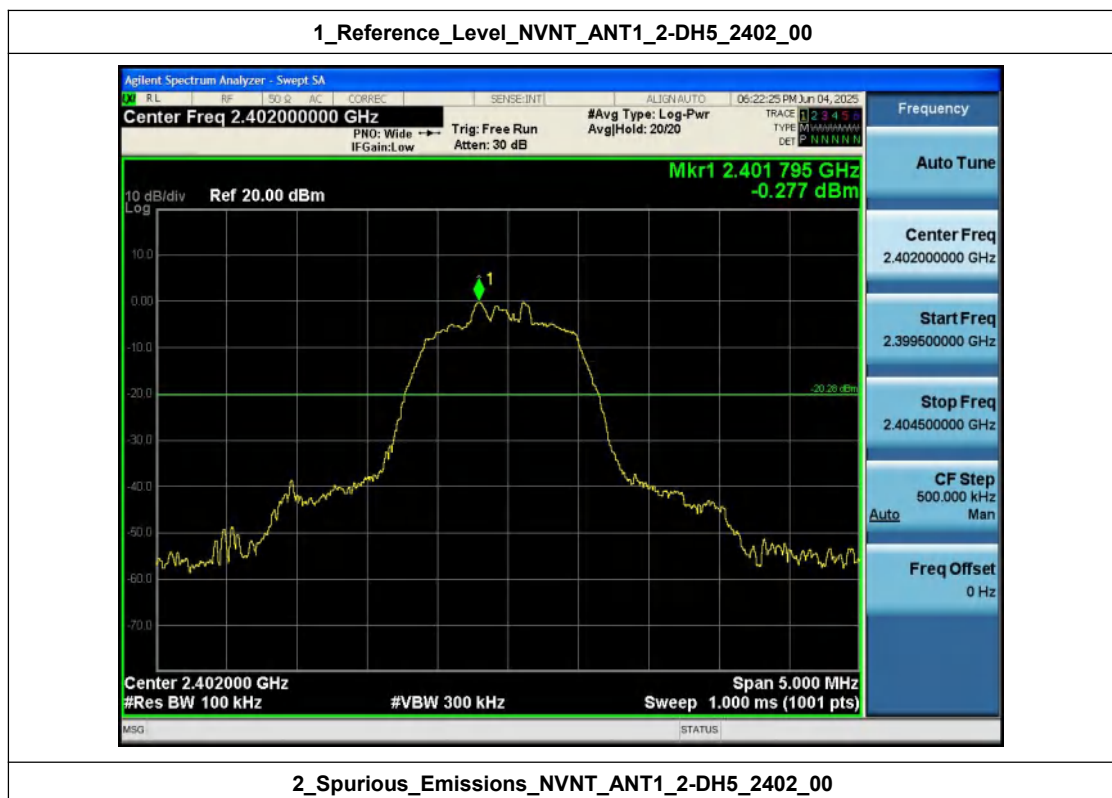
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



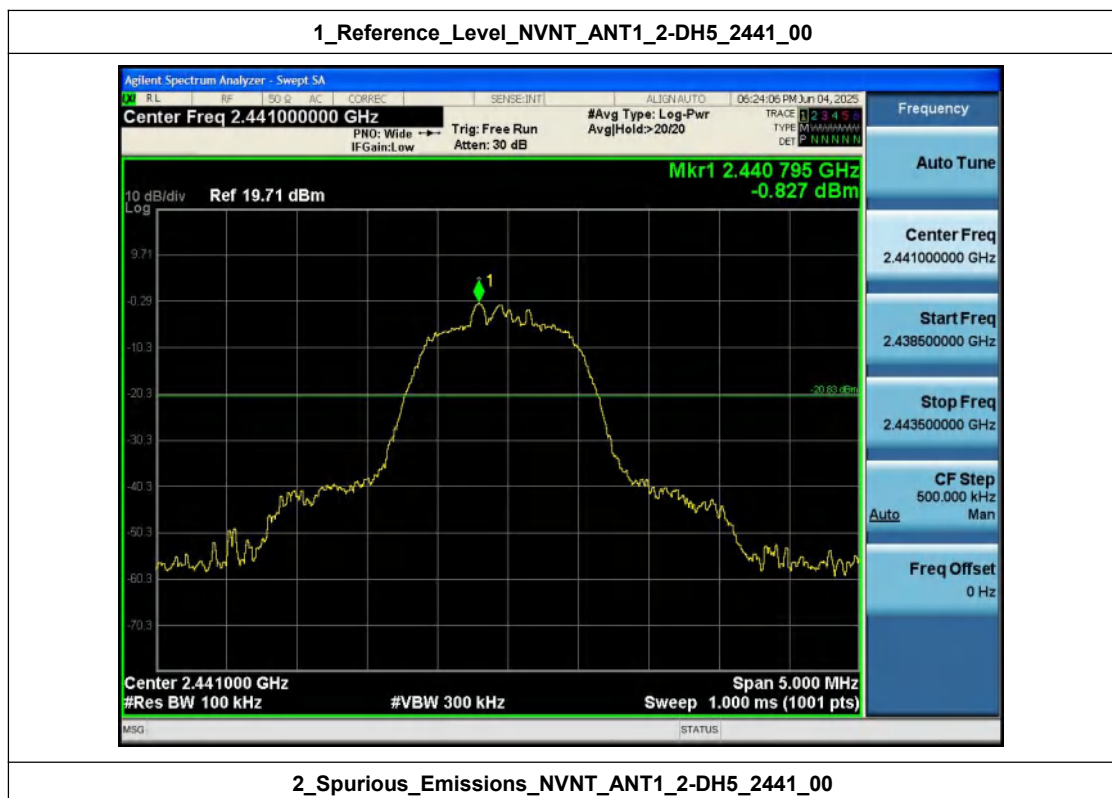
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



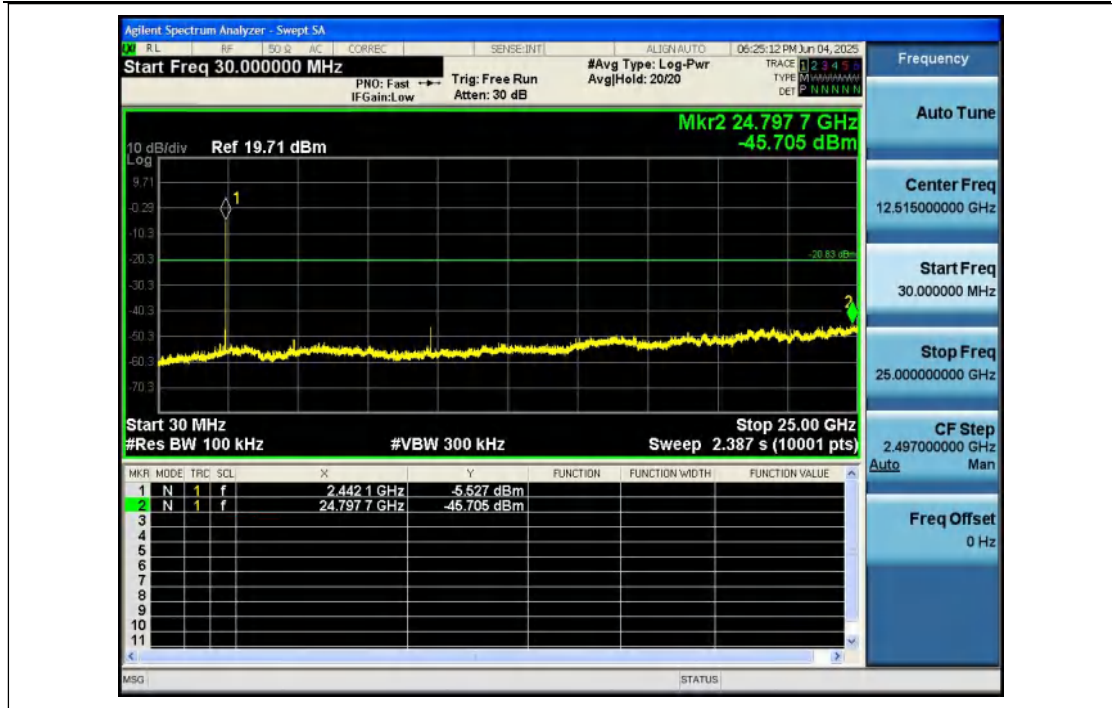
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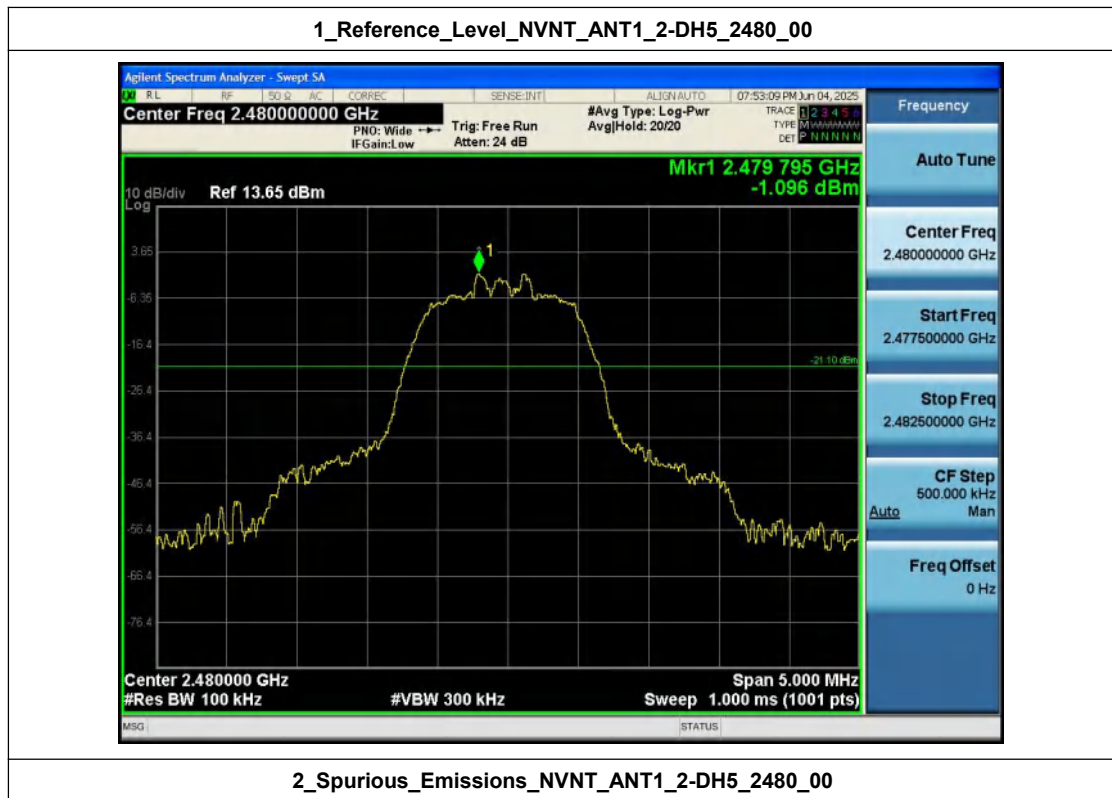
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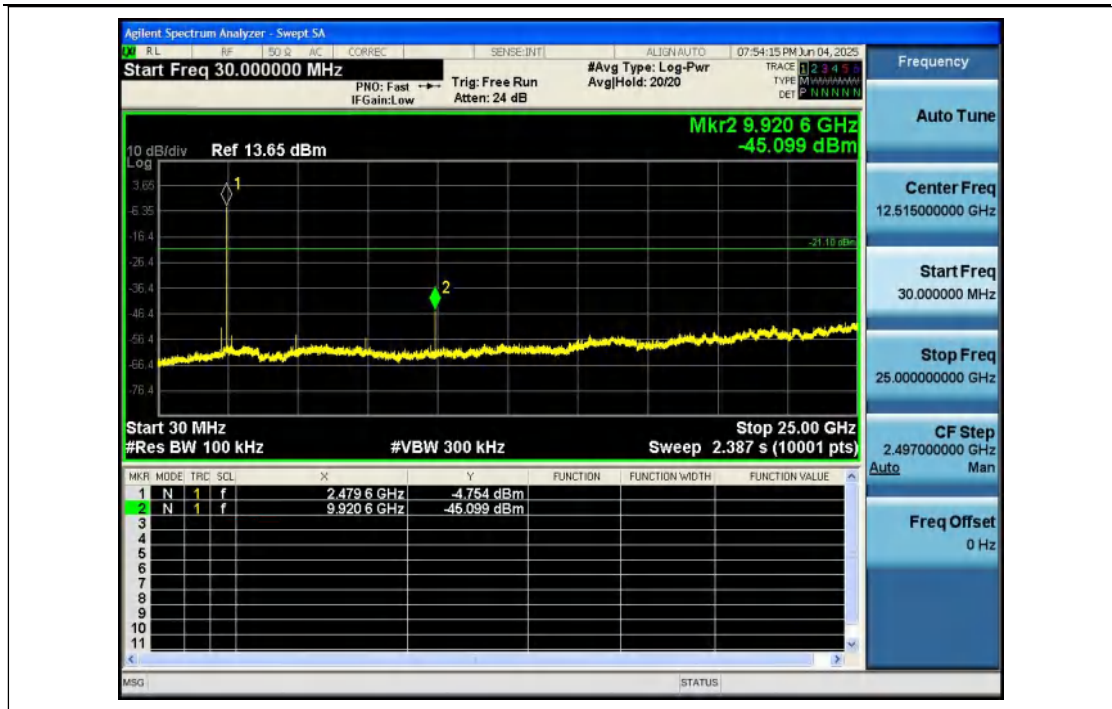
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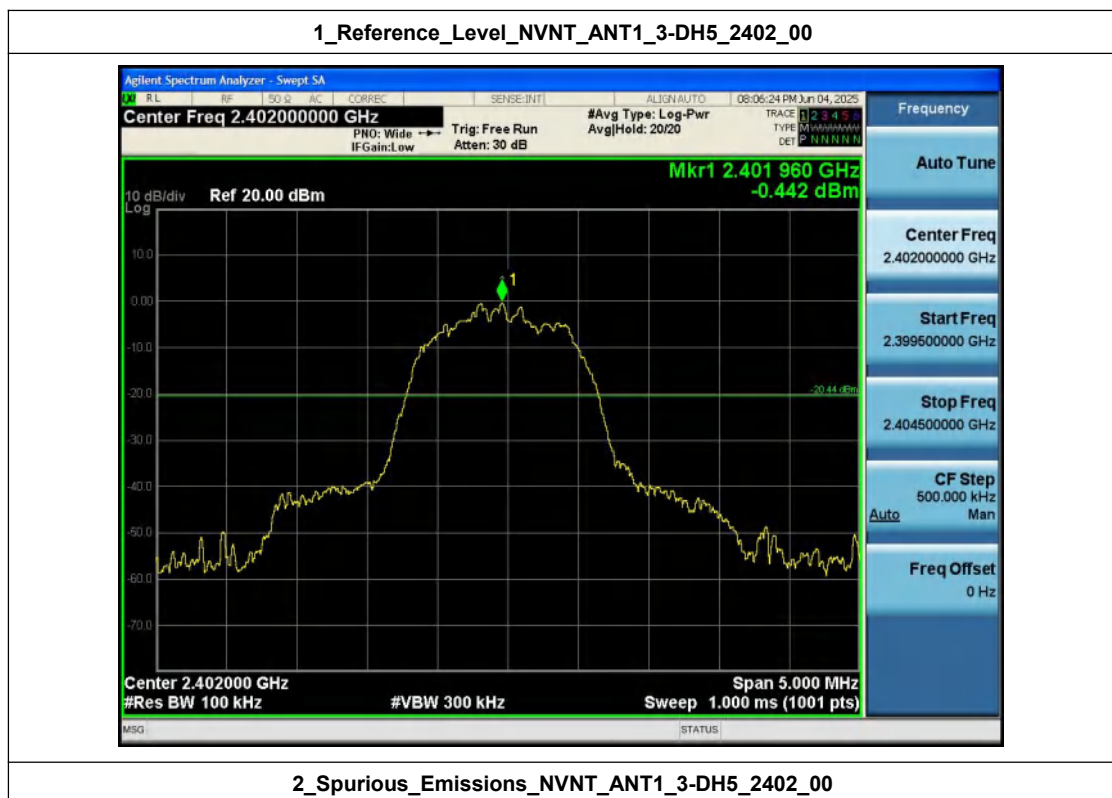
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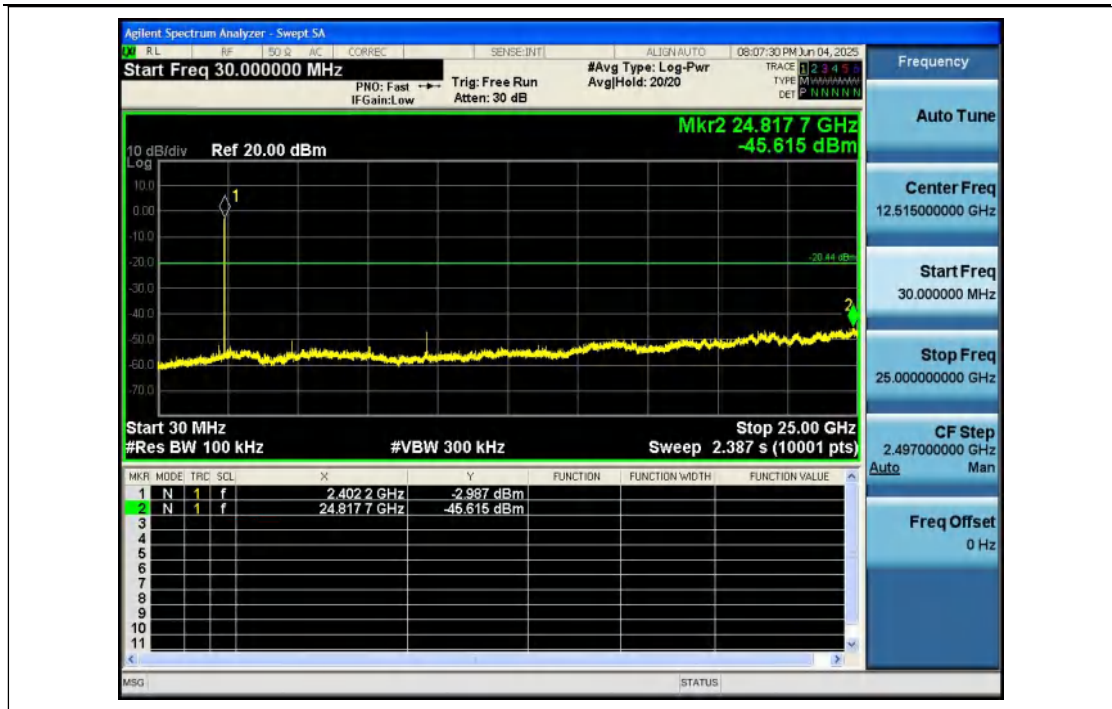
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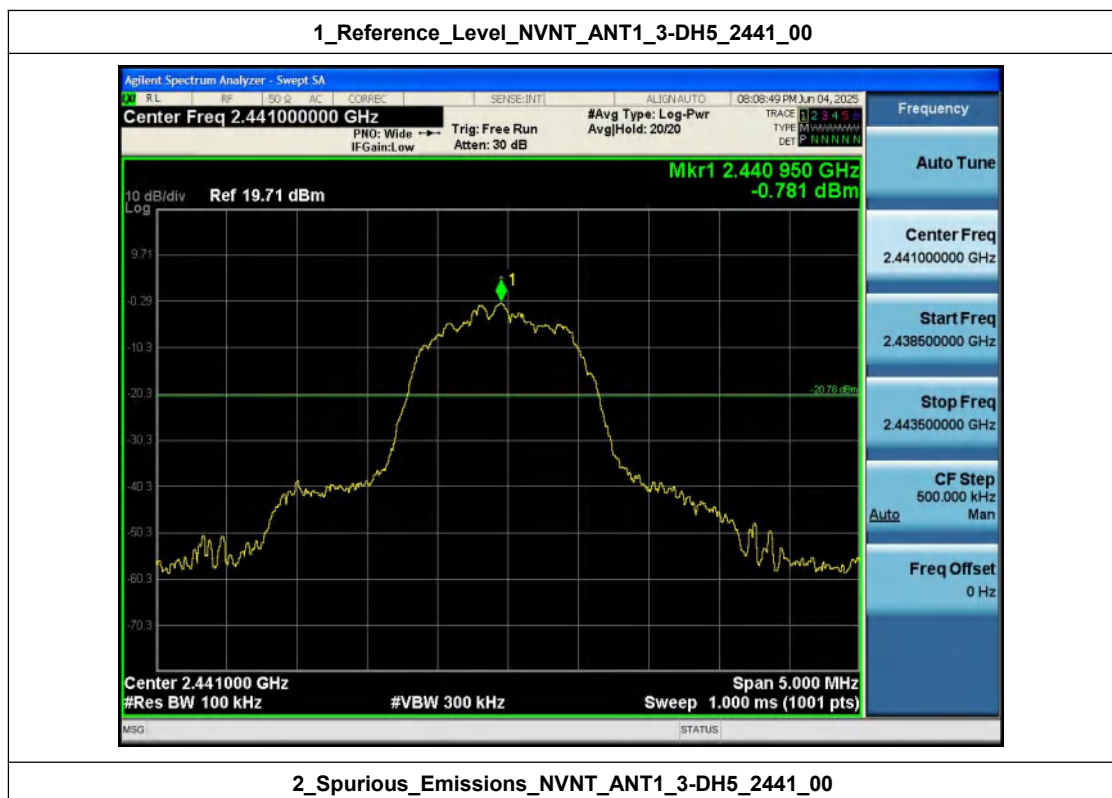
1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



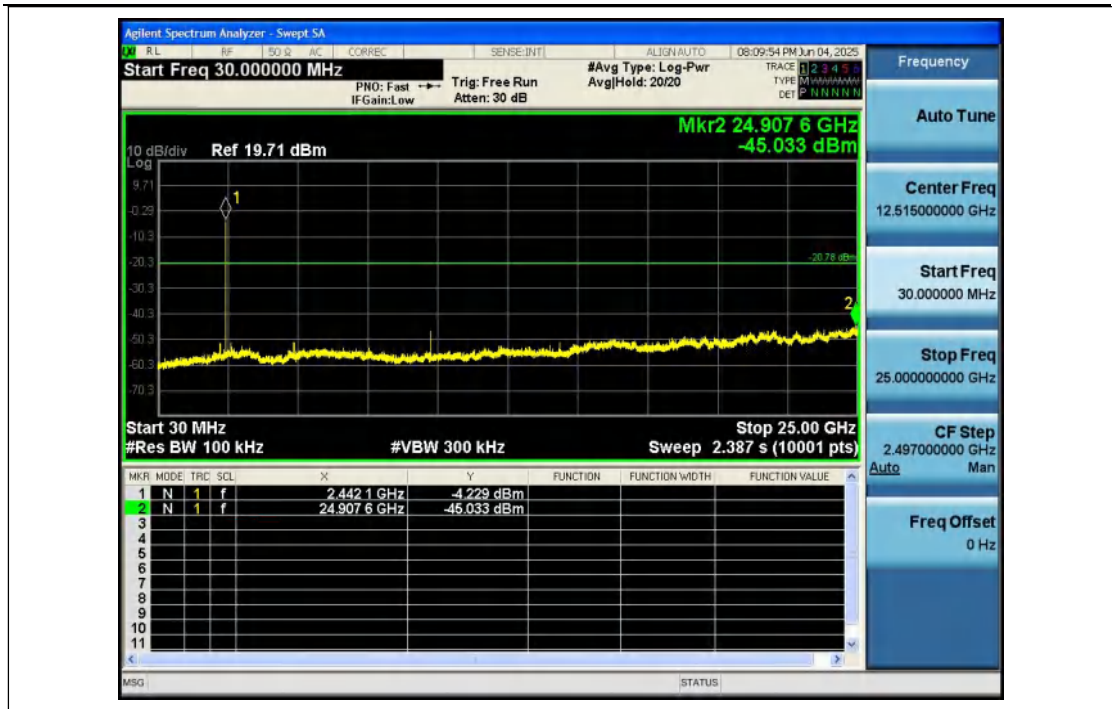
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00



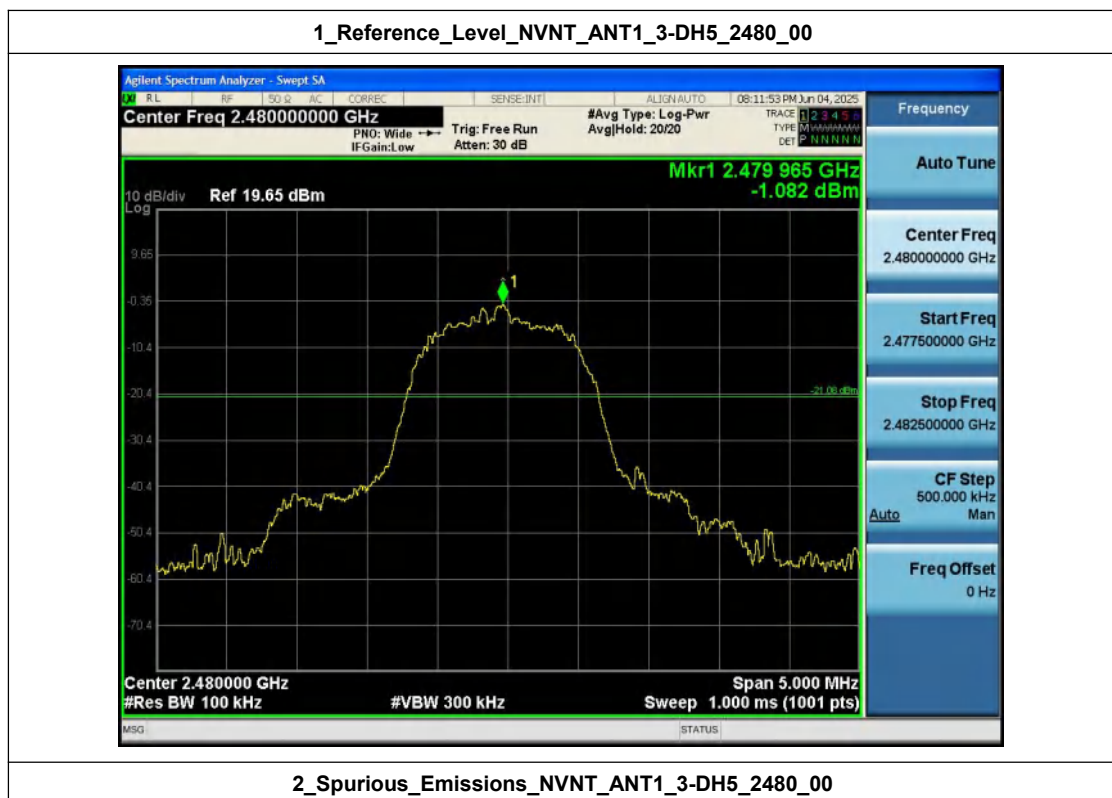
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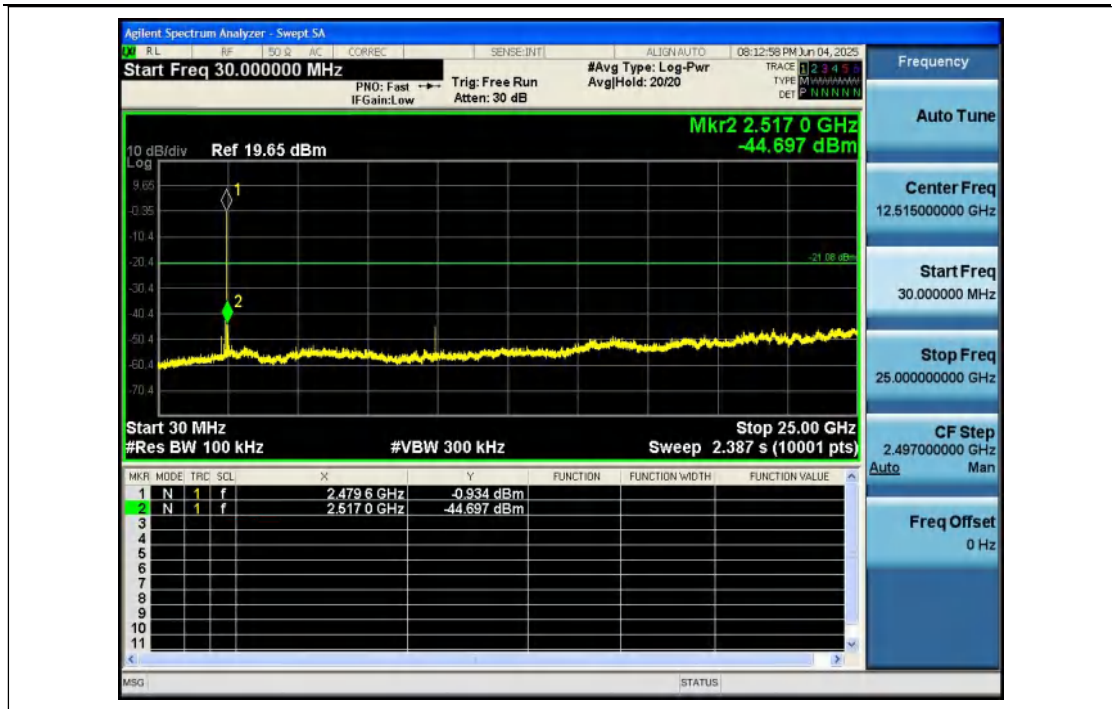
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00



Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

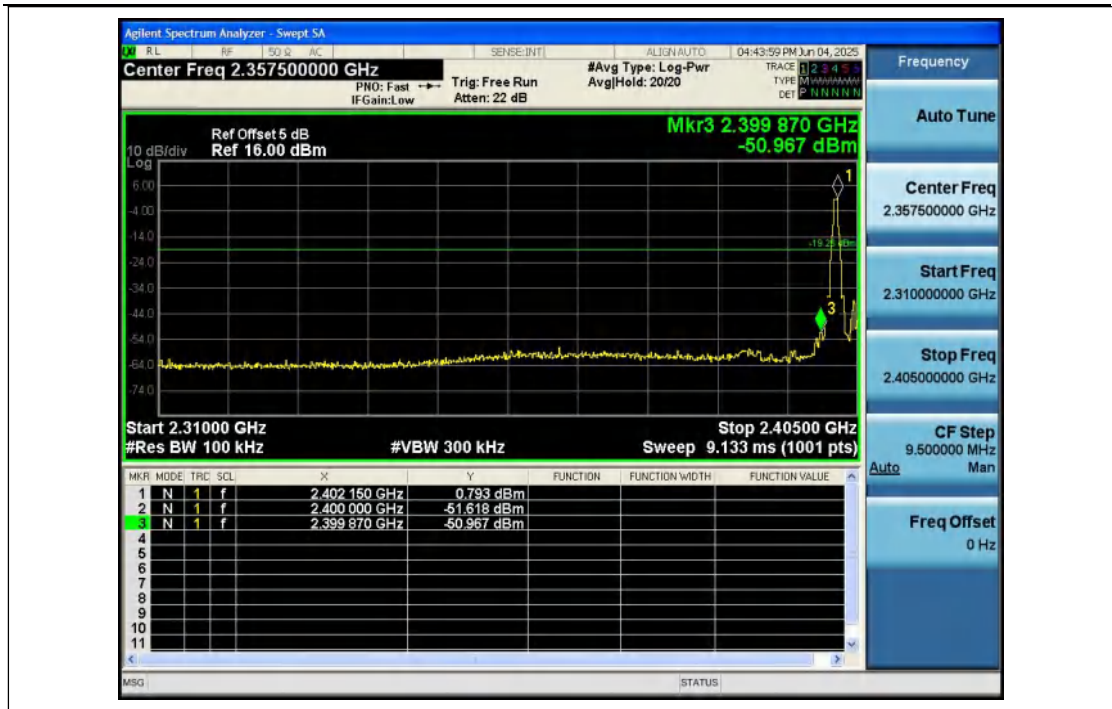
Appendix F: Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	0.737	-50.967	-19.263	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	0.284	-58.872	-19.716	Pass
NVNT	ANT1	1-DH5	2480.00	-0.575	-62.619	-20.575	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	0.116	-57.320	-19.884	Pass
NVNT	ANT1	2-DH5	2402.00	0.737	-51.332	-19.263	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	0.153	-57.545	-19.847	Pass
NVNT	ANT1	2-DH5	2480.00	-0.546	-61.788	-20.546	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	0.119	-58.922	-19.881	Pass
NVNT	ANT1	3-DH5	2402.00	0.665	-49.001	-19.335	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	0.624	-56.371	-19.376	Pass
NVNT	ANT1	3-DH5	2480.00	-0.570	-61.977	-20.570	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	0.098	-59.071	-19.902	Pass

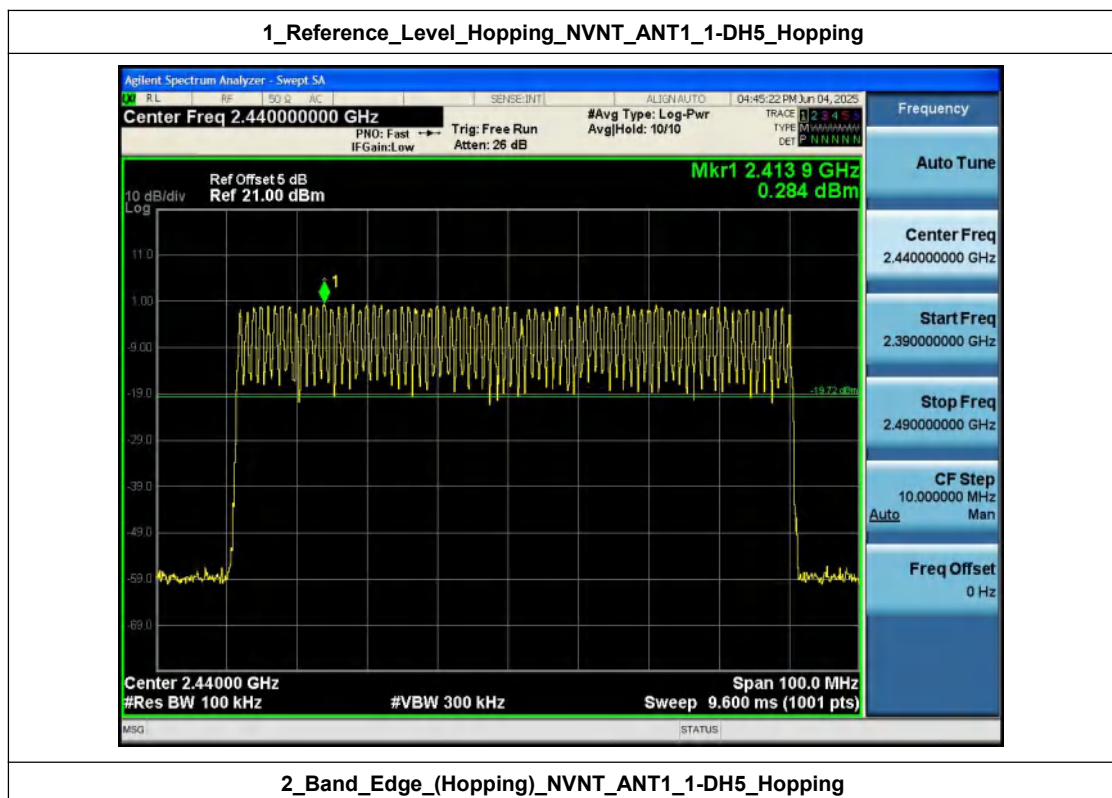
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



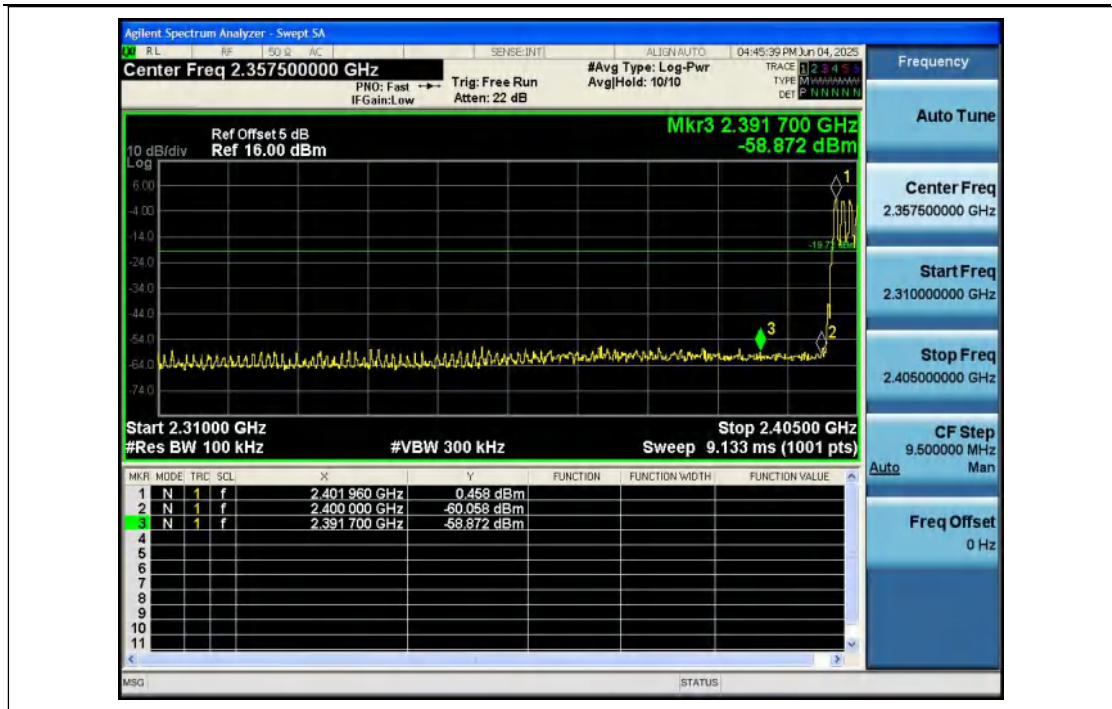
2_Bandedge_NVNT_ANT1_1-DH5_2402_00



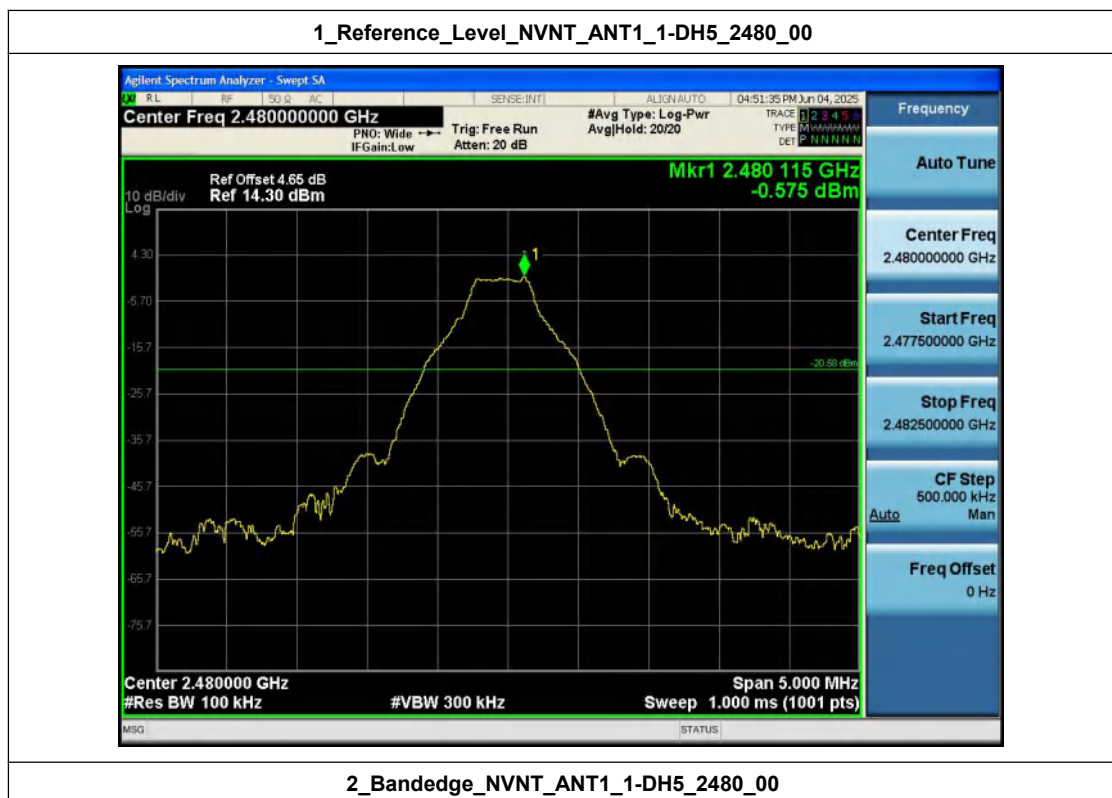
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



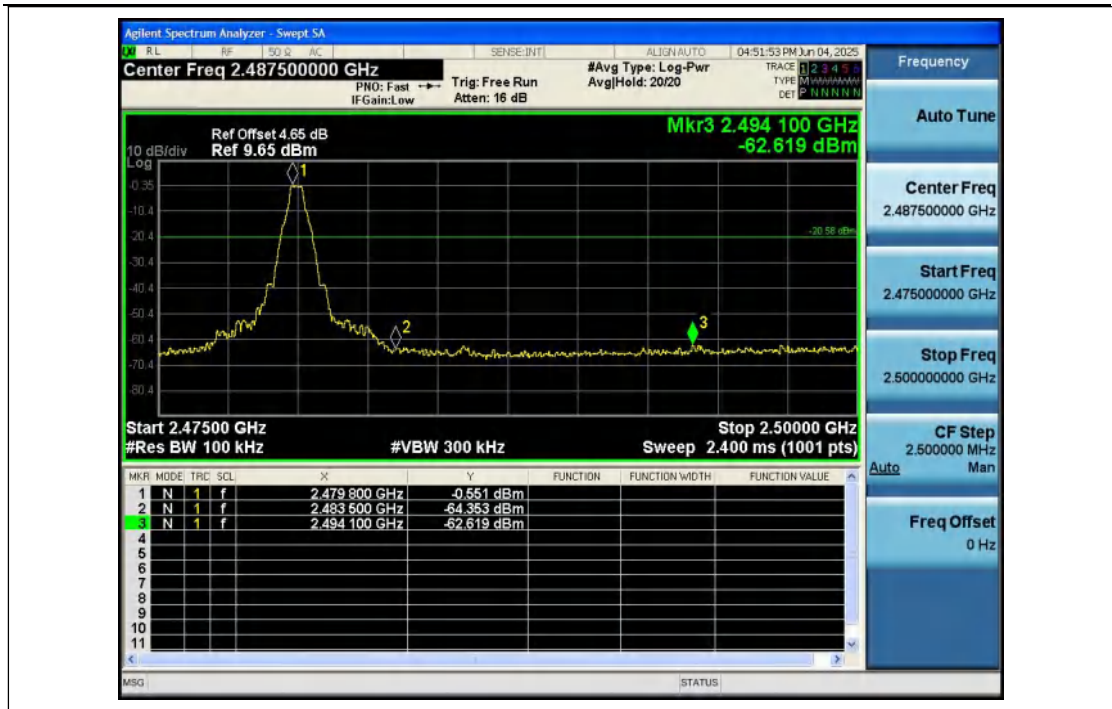
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



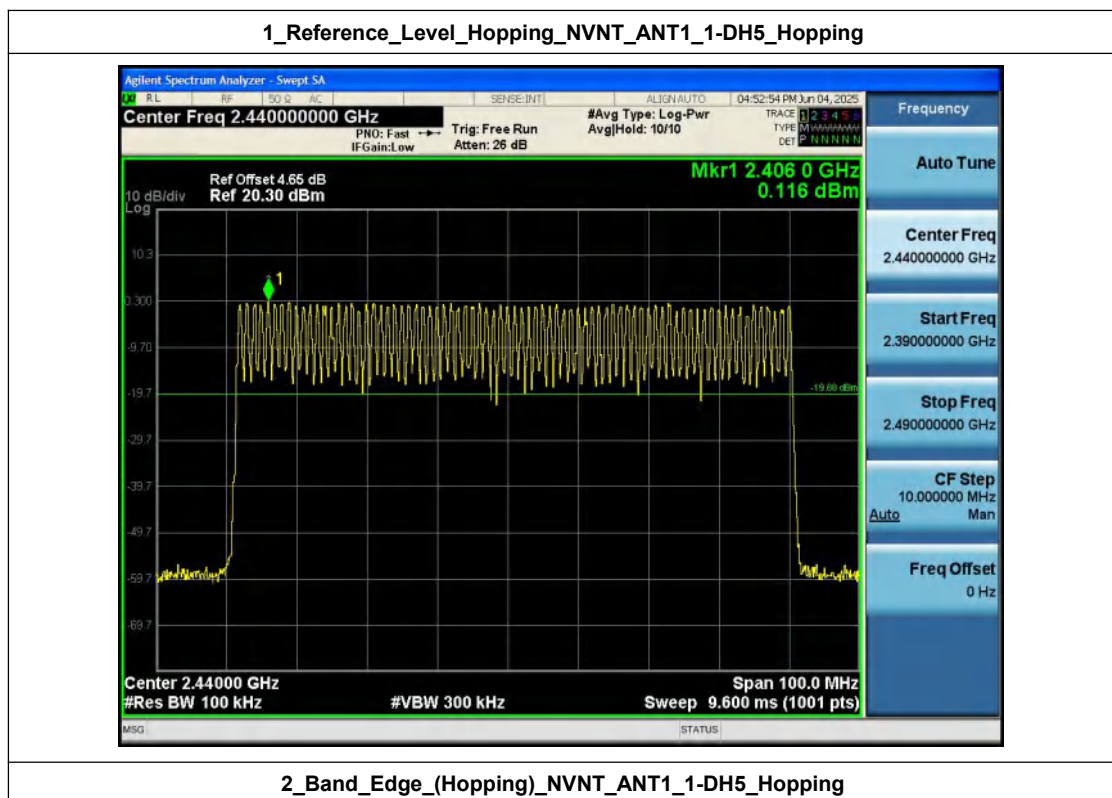
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



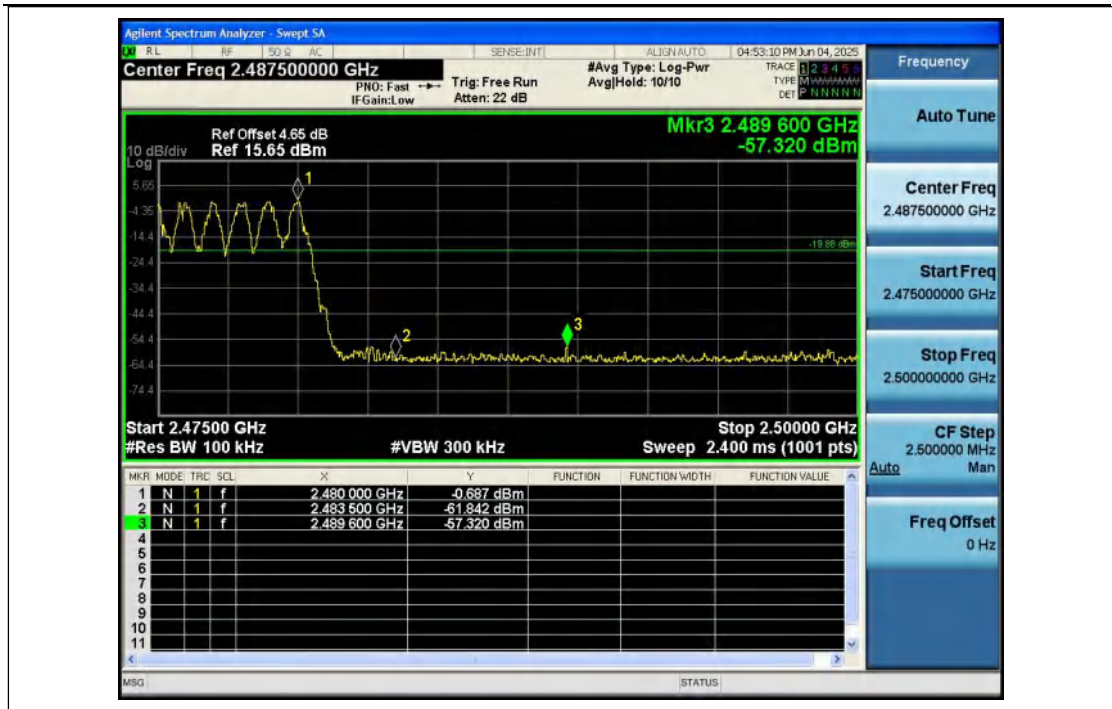
2_Bandedge_NVNT_ANT1_1-DH5_2480_00



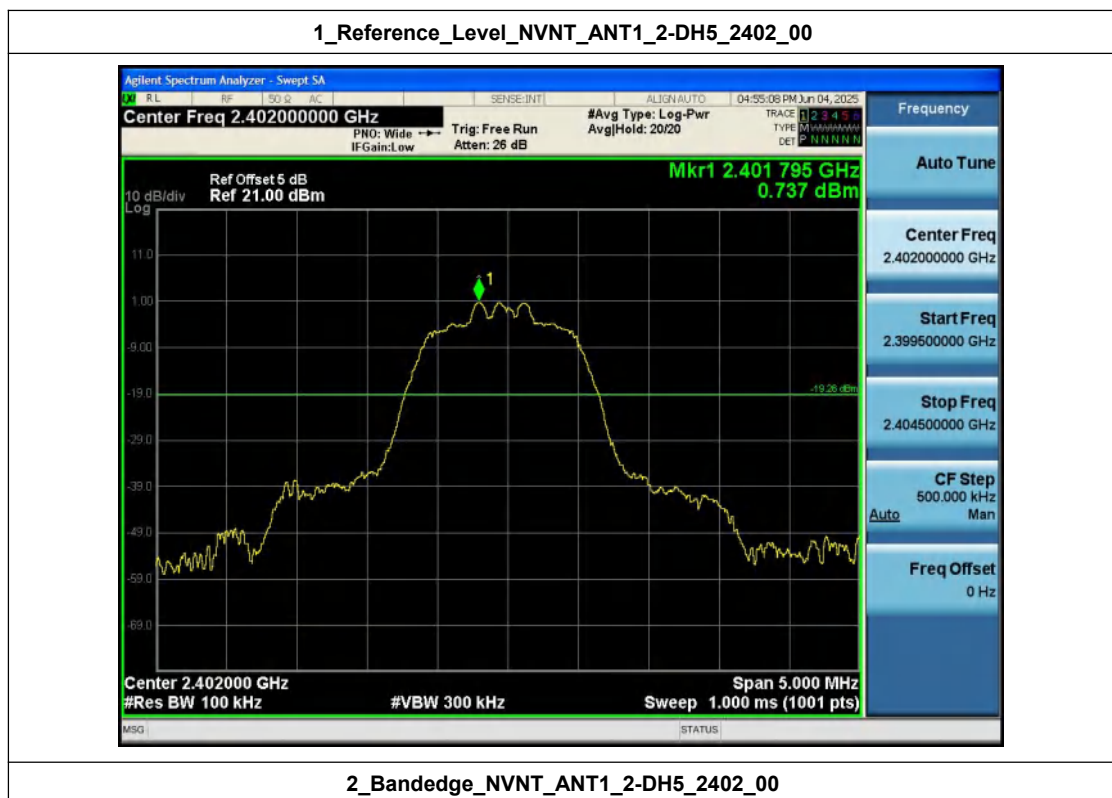
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



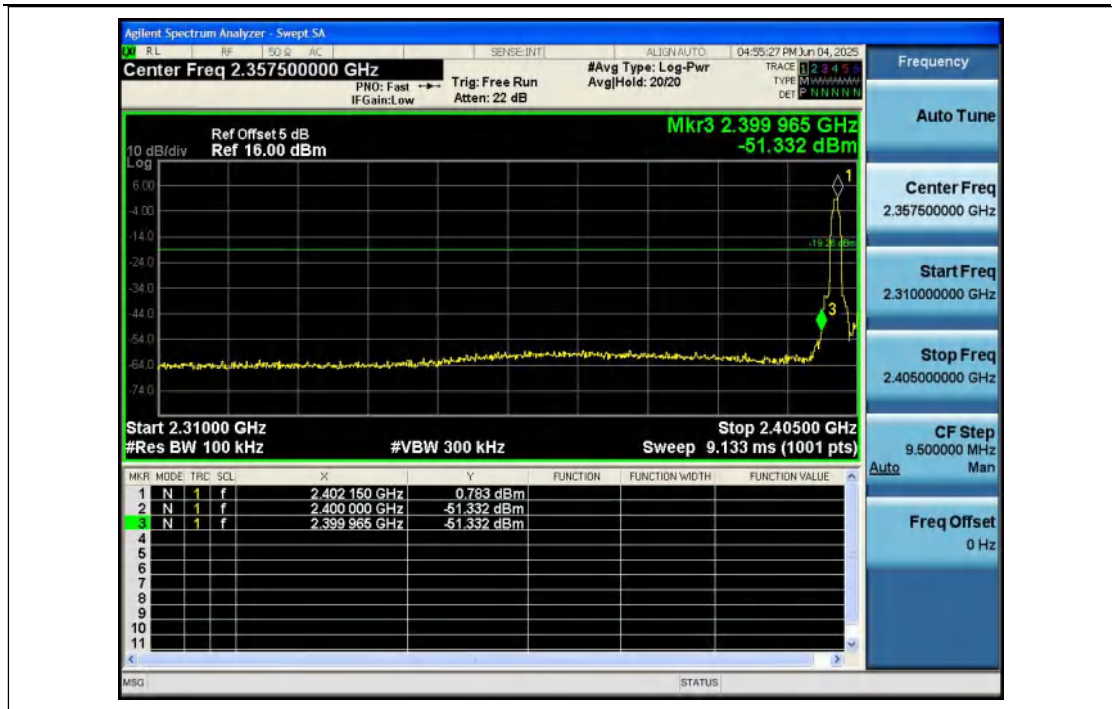
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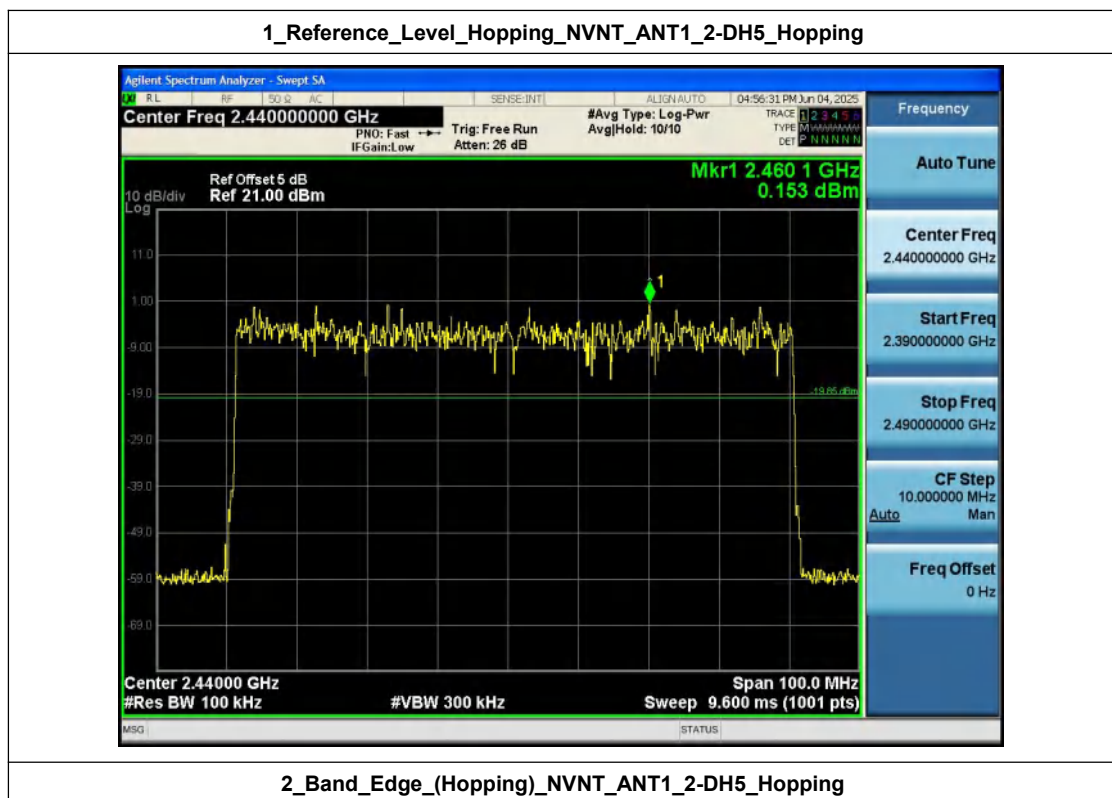
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotech.com



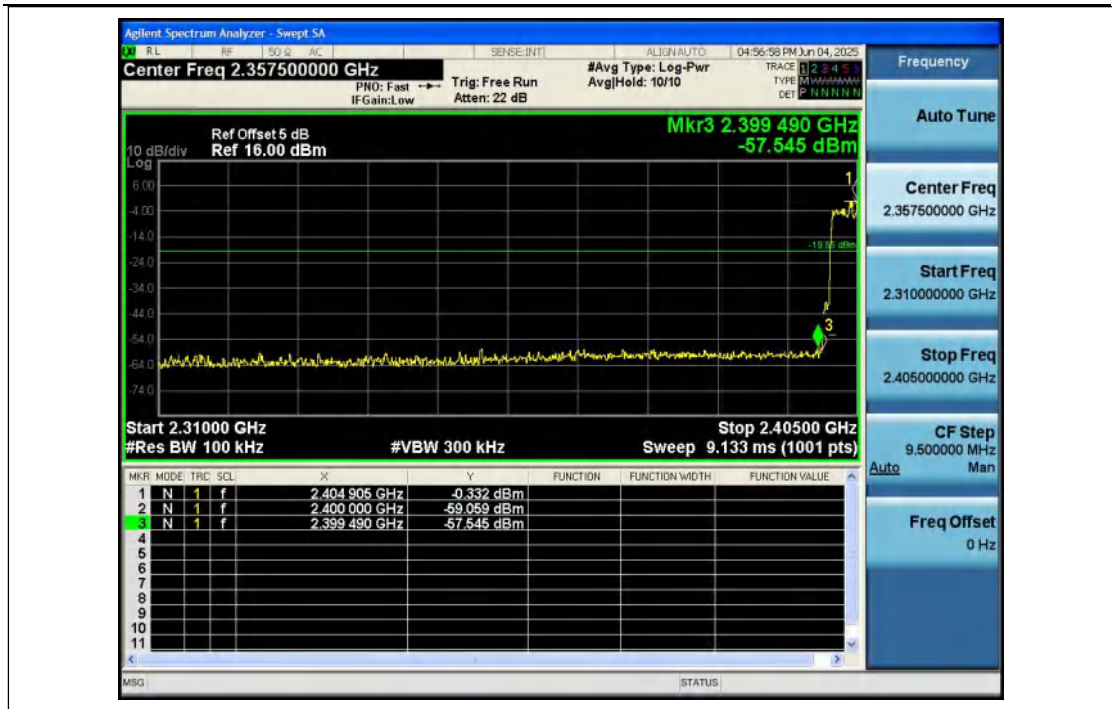
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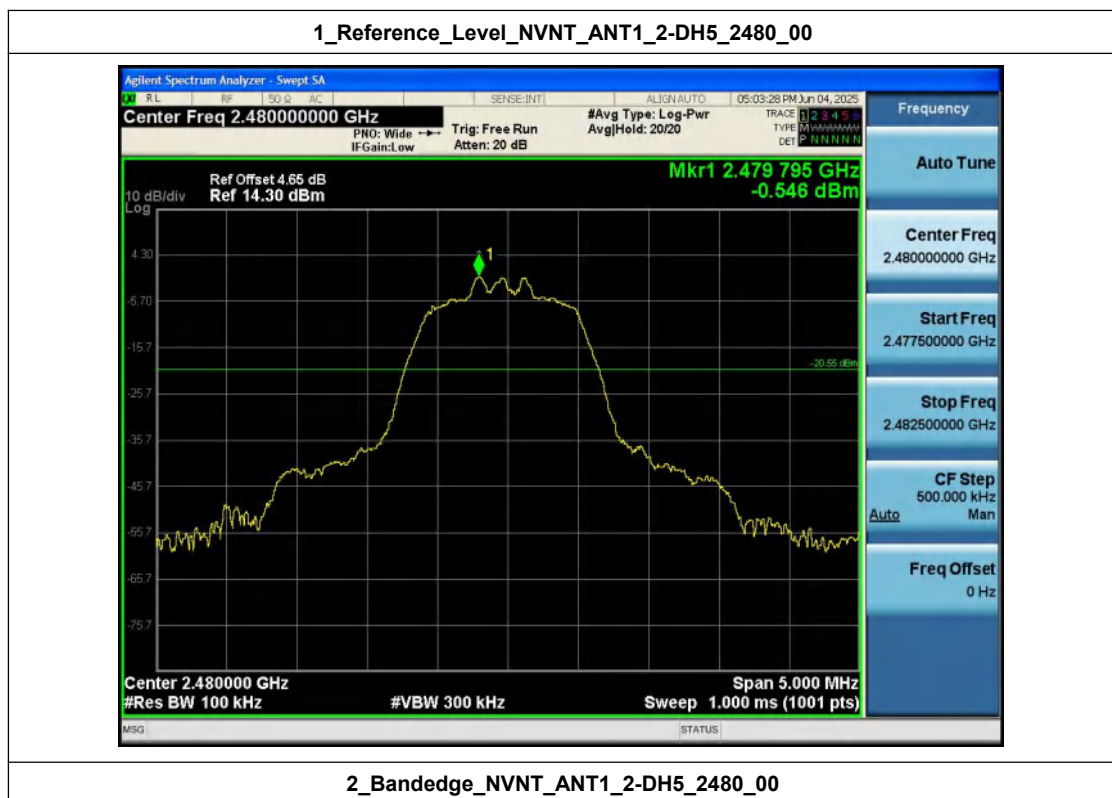
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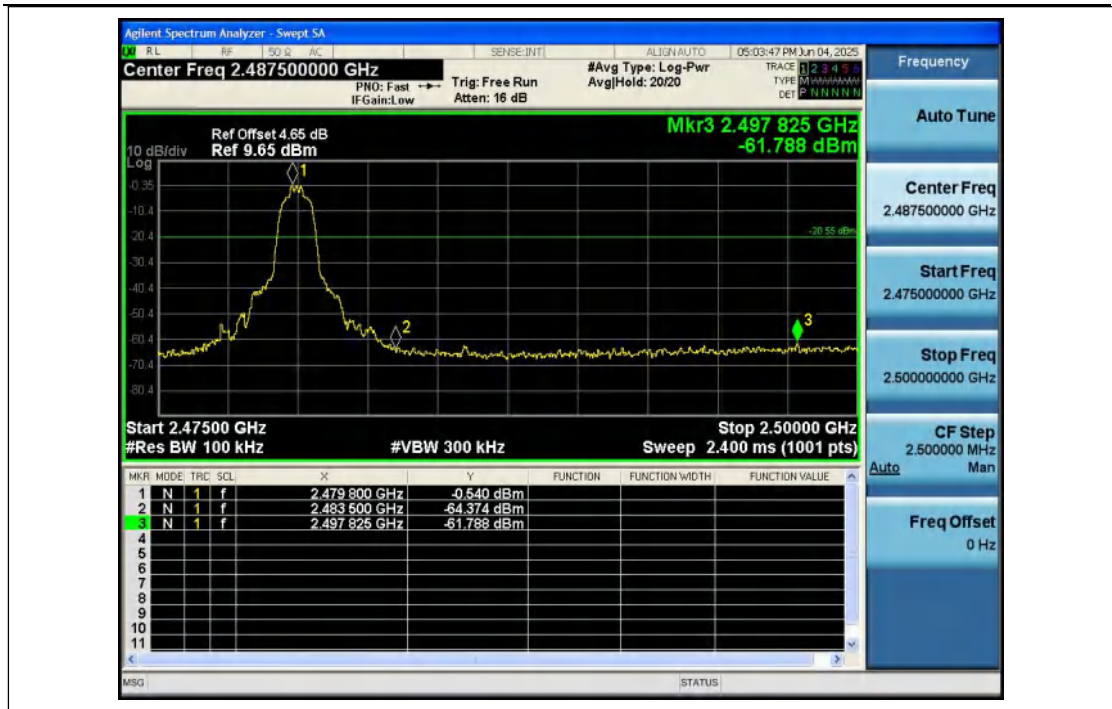
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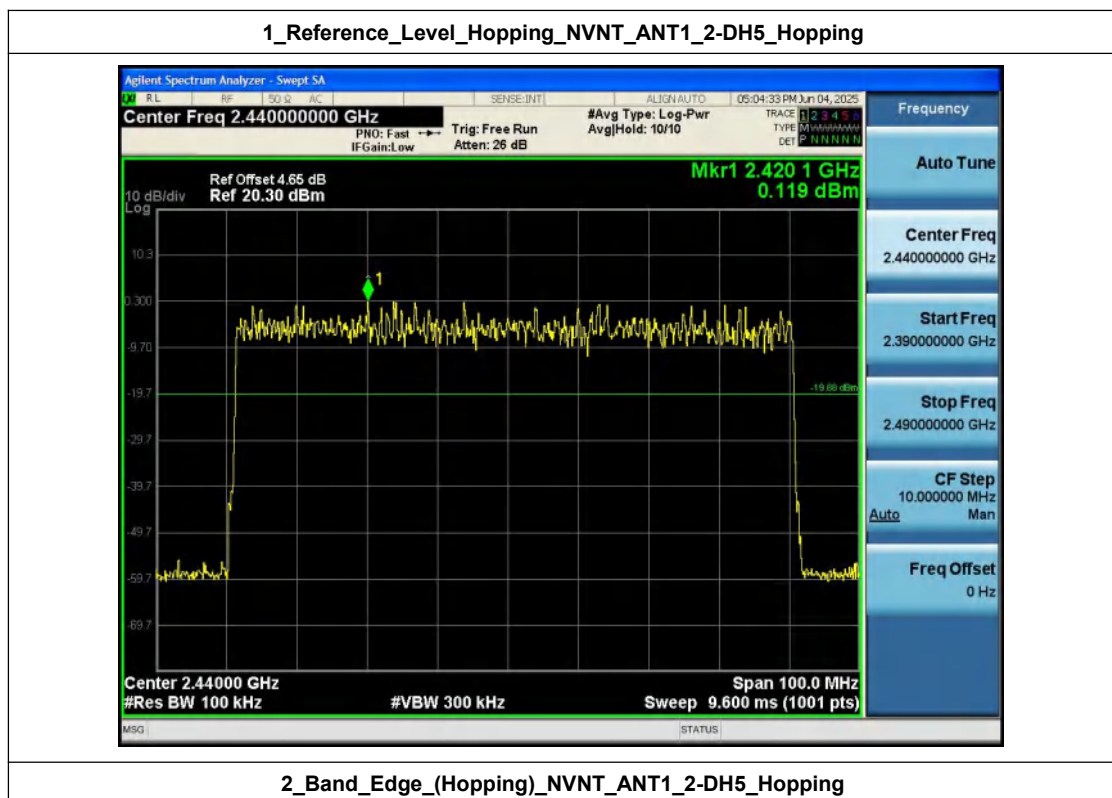
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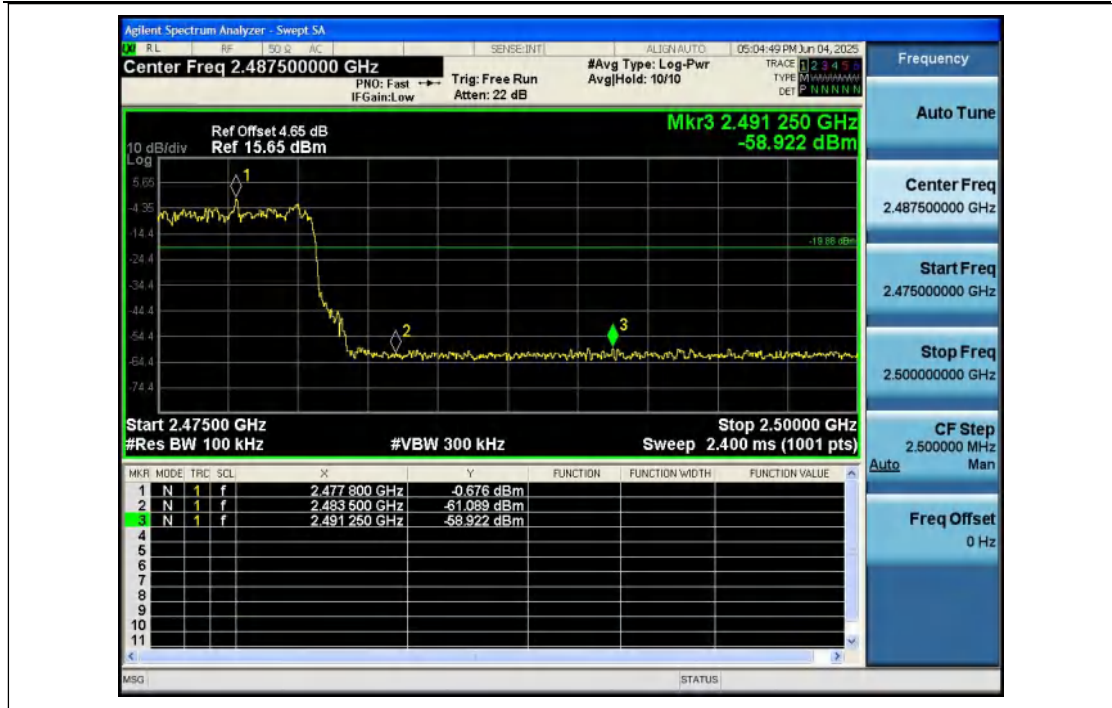
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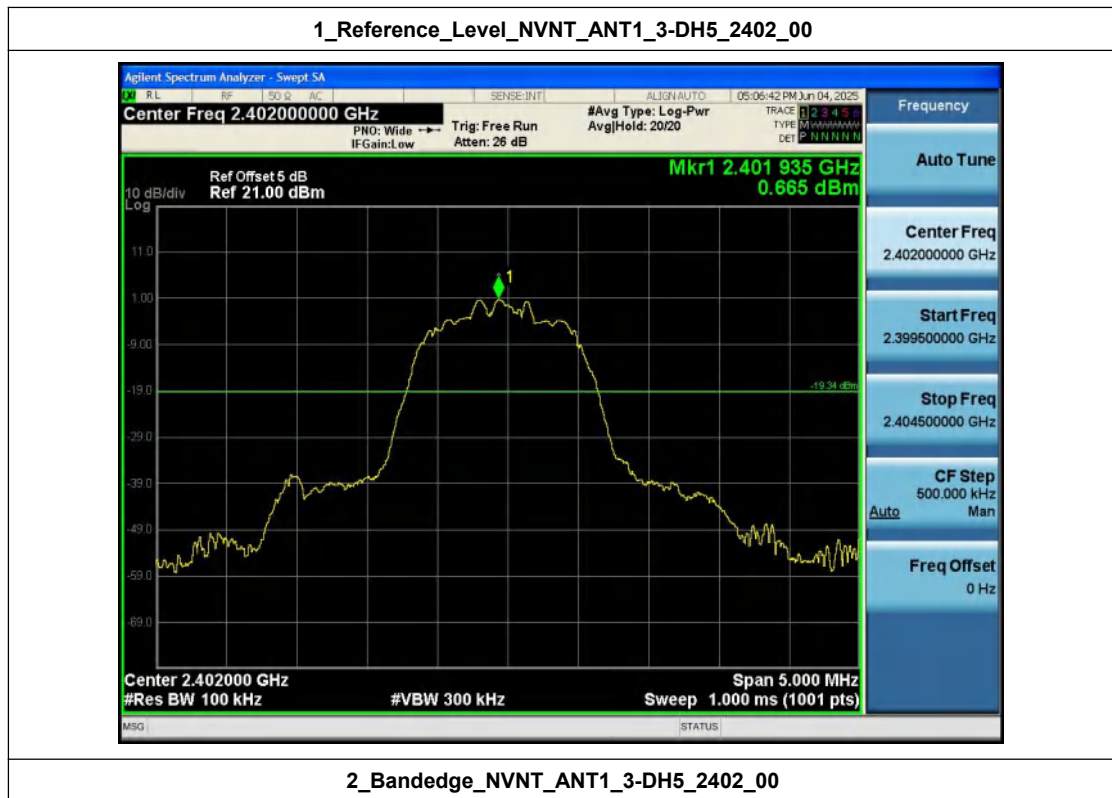
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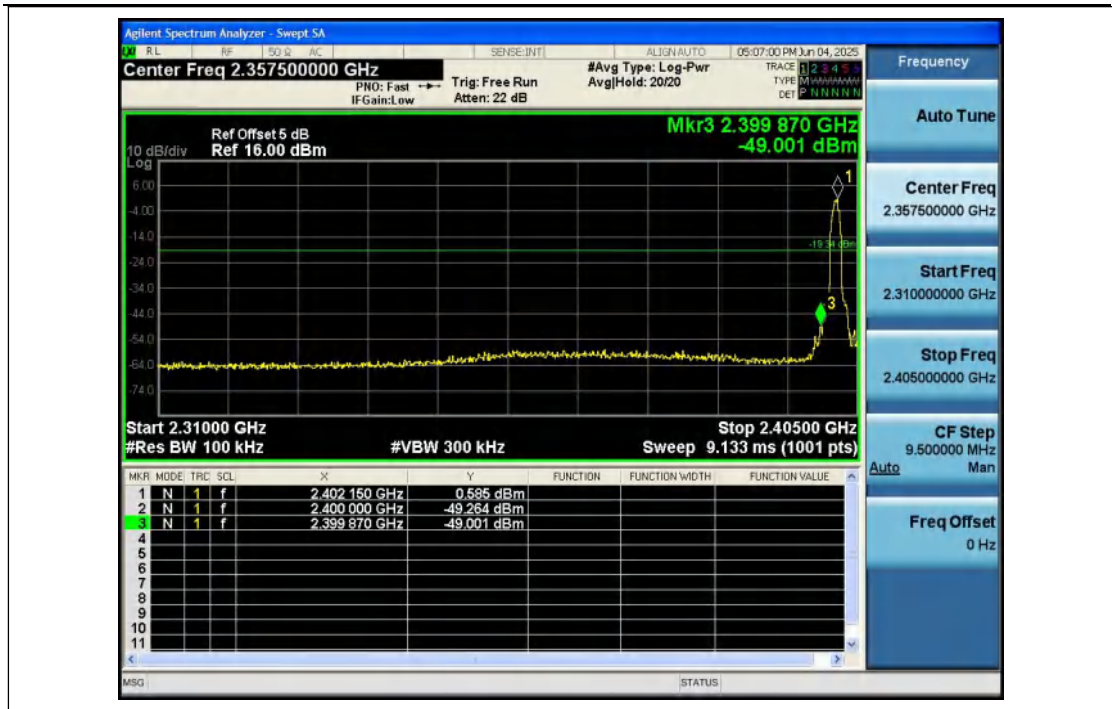
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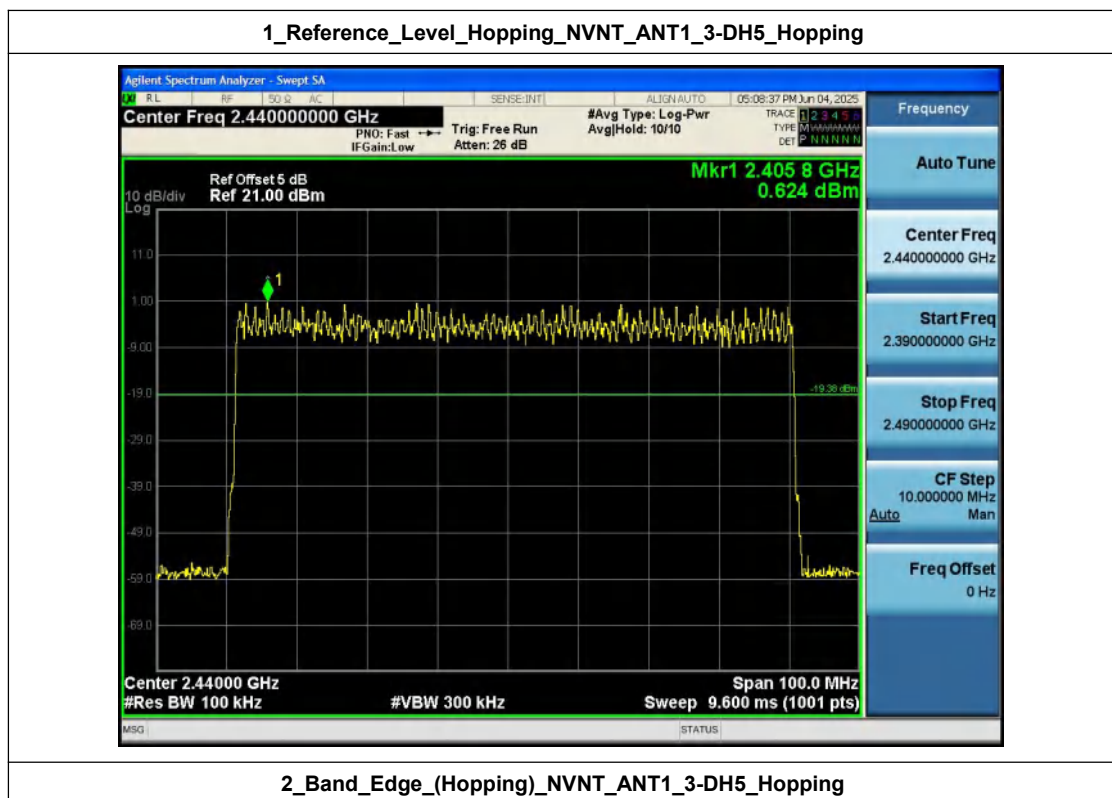
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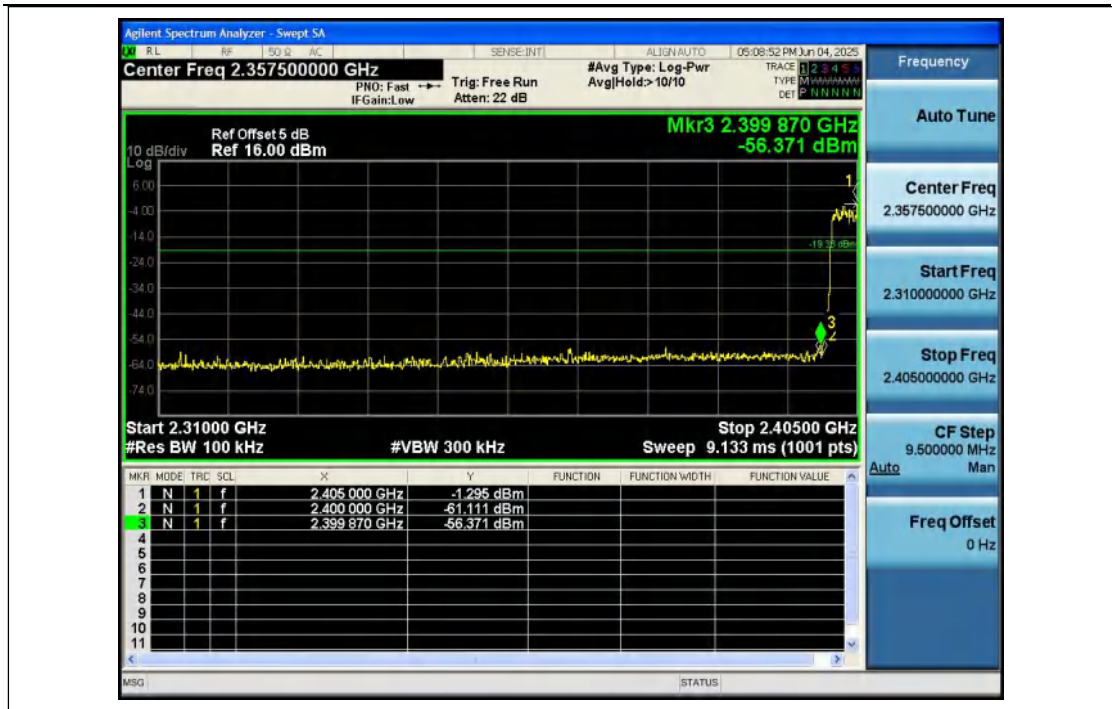
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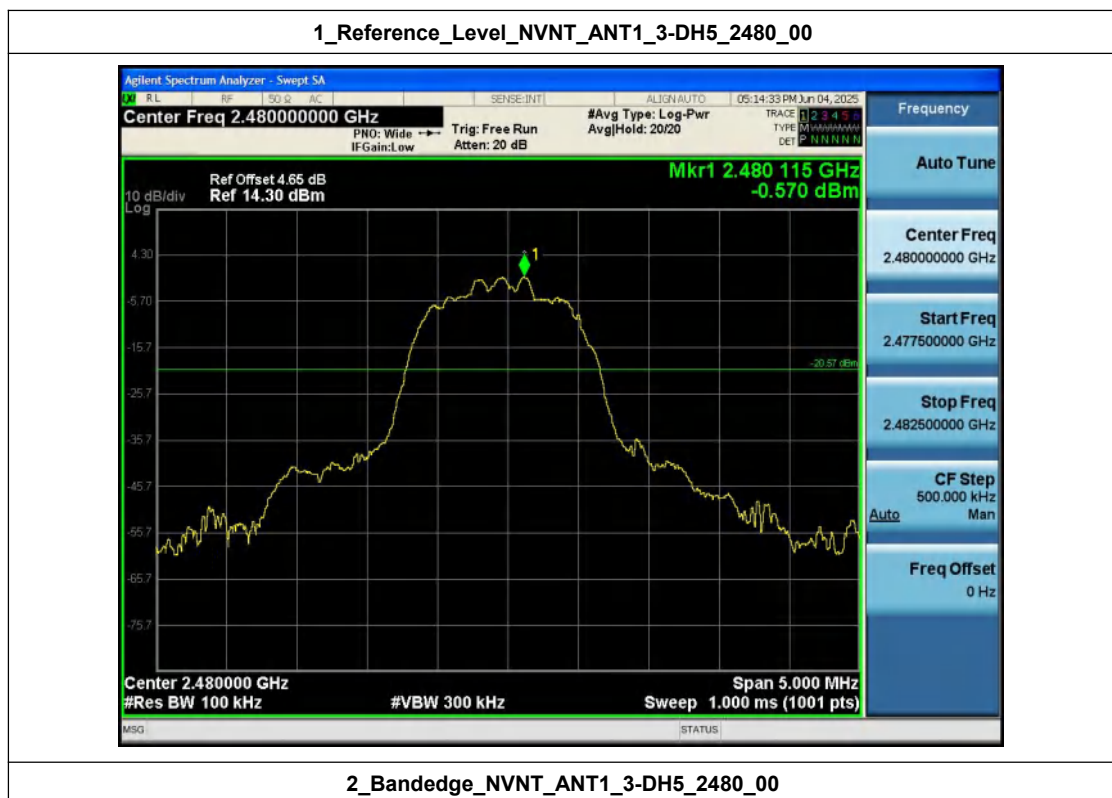
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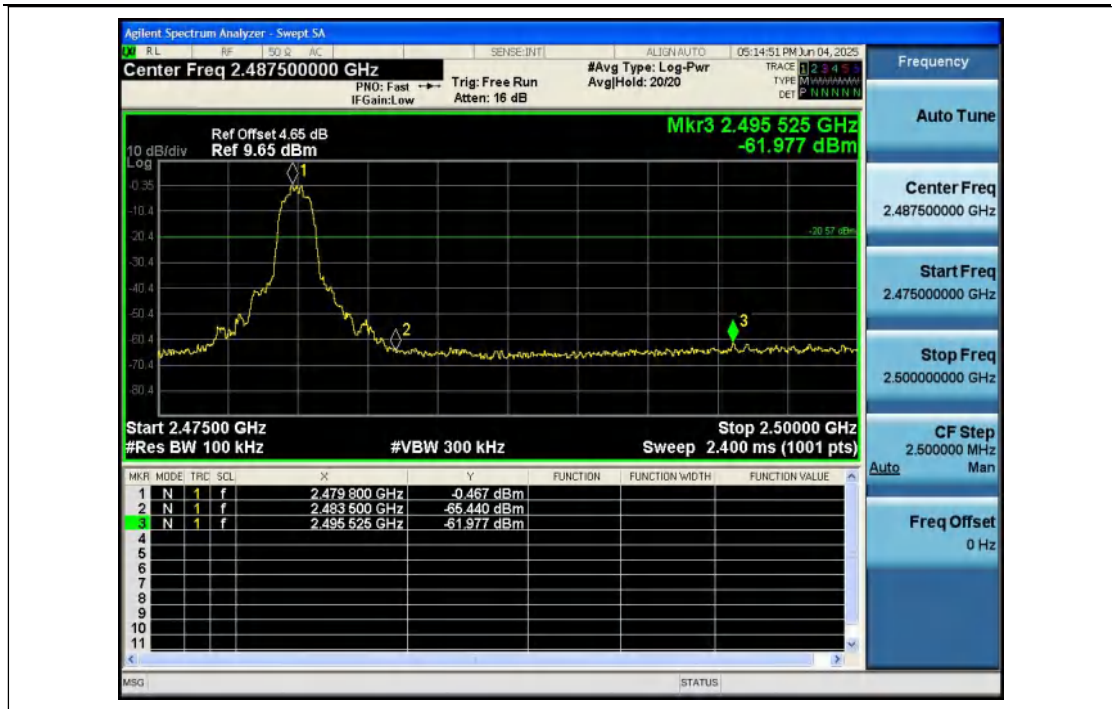
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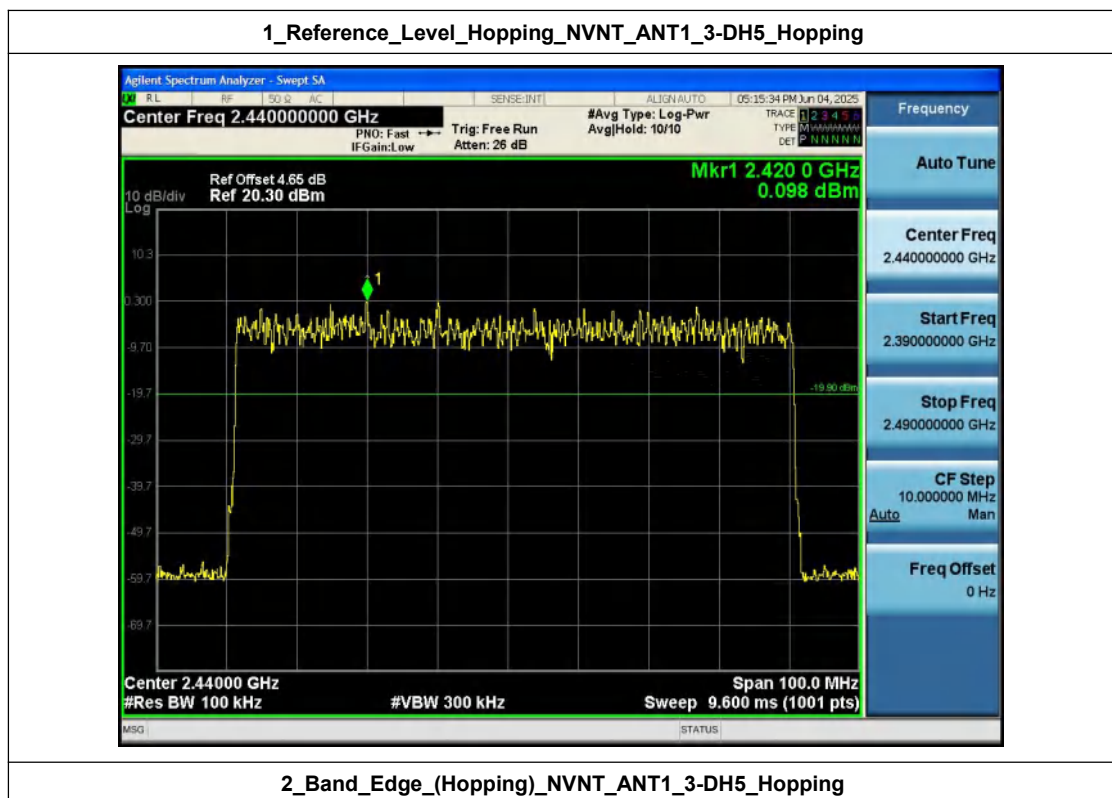
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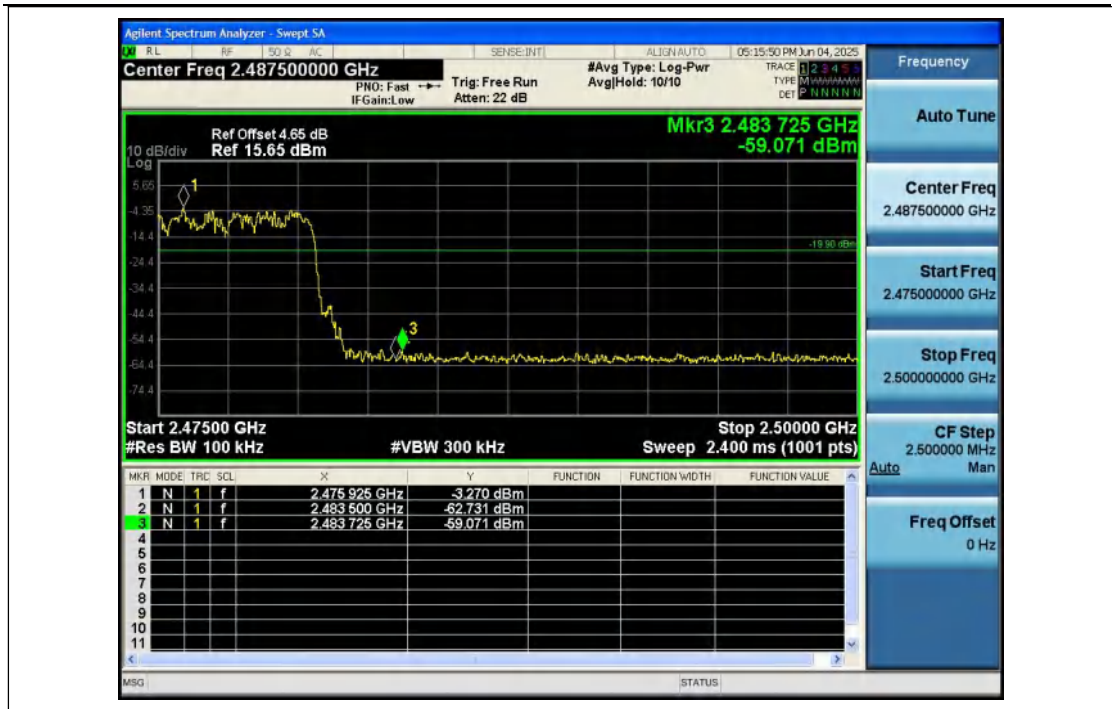
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1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



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	2441.110	2441.815	0.70	0.689	Pass
NVNT	ANT1	2-DH5	2441.00	2441.089	2442.094	1.00	0.875	Pass
NVNT	ANT1	3-DH5	2441.00	2440.801	2441.674	0.87	0.867	Pass

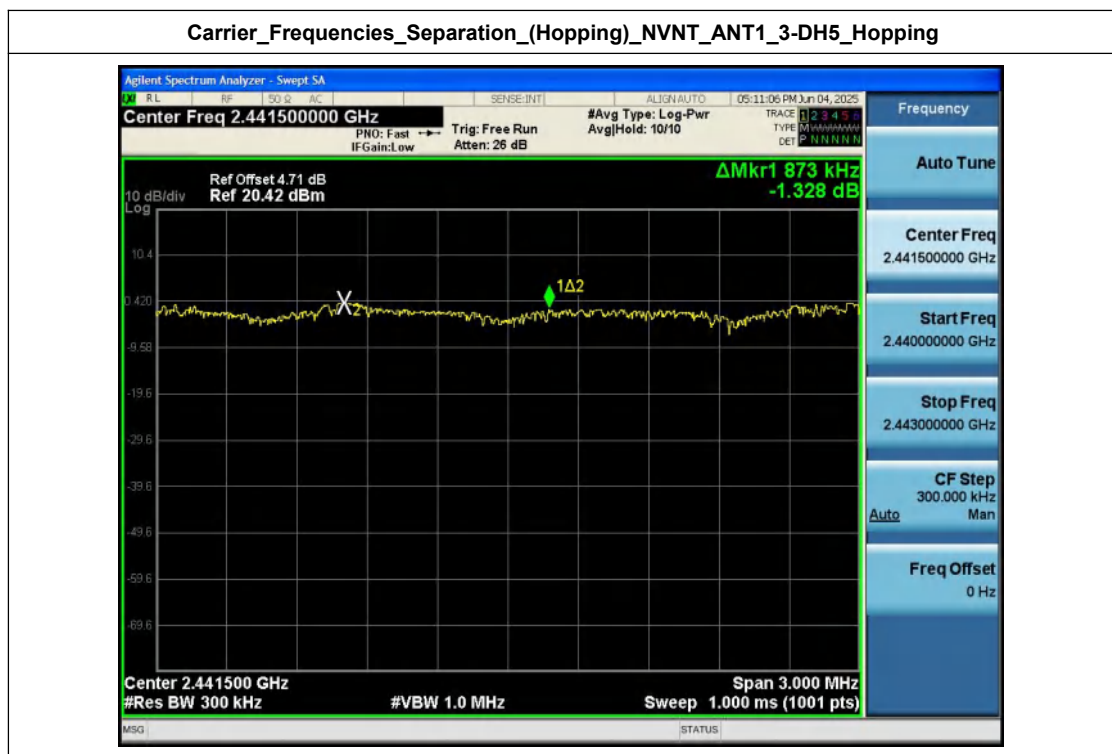
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Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



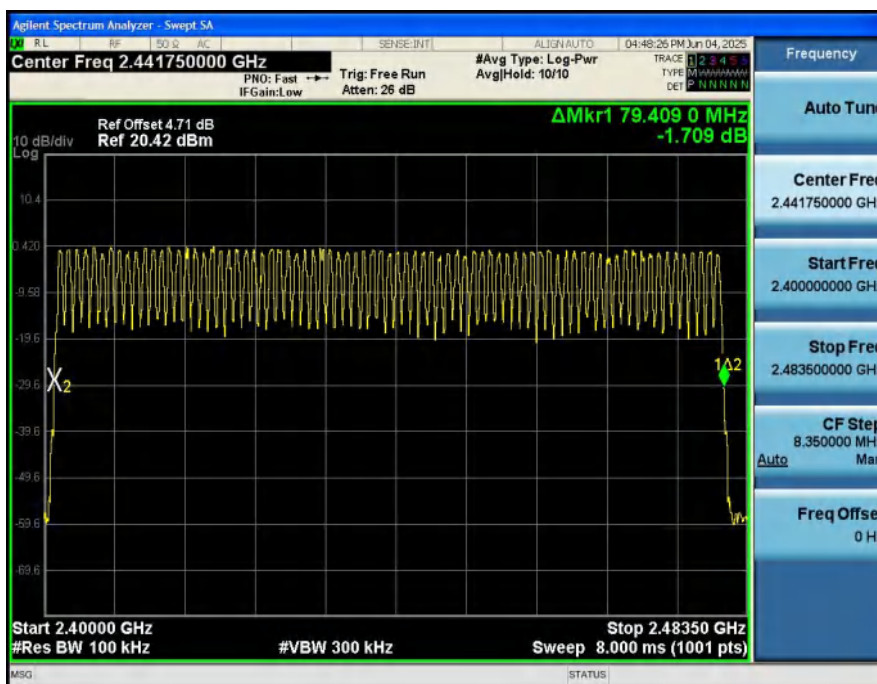
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



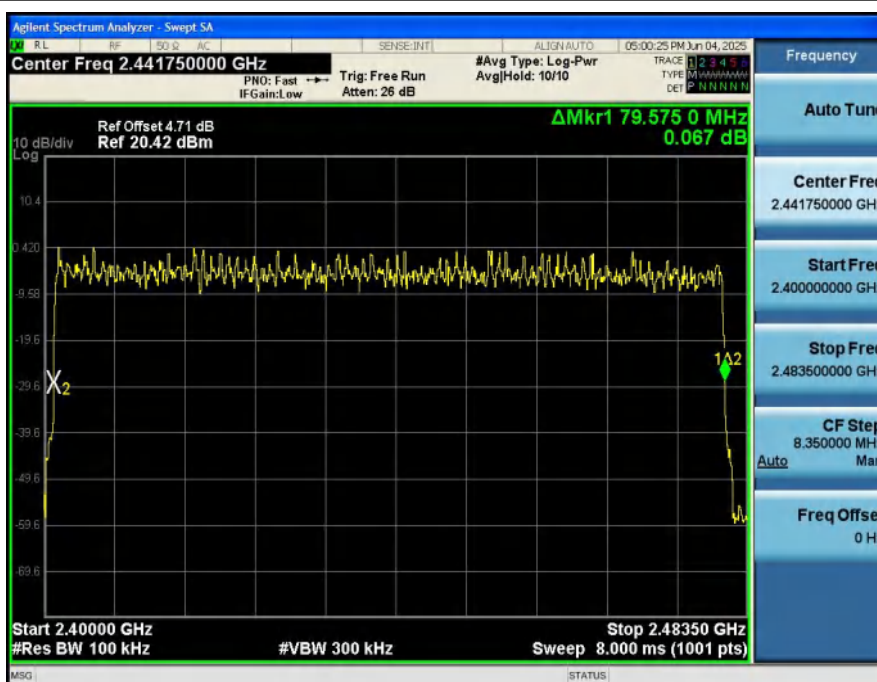
Appendix H: Number of Hopping Channel (Hopping)

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

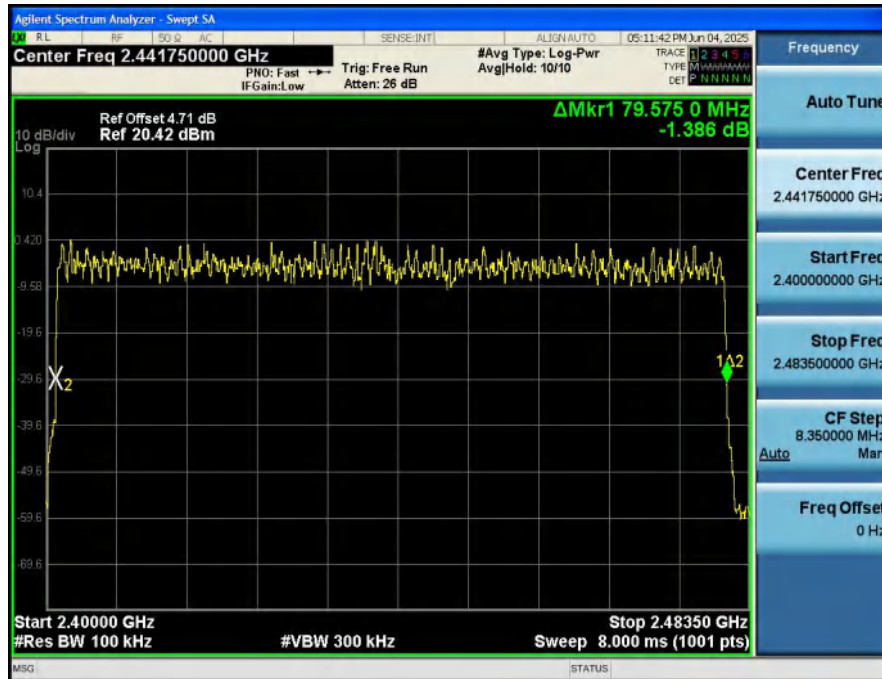
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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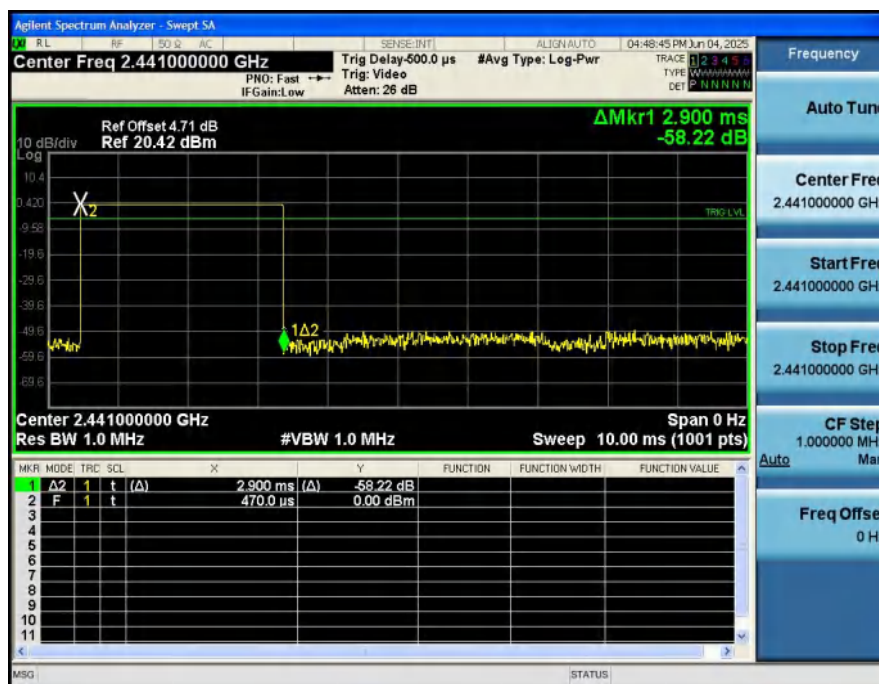
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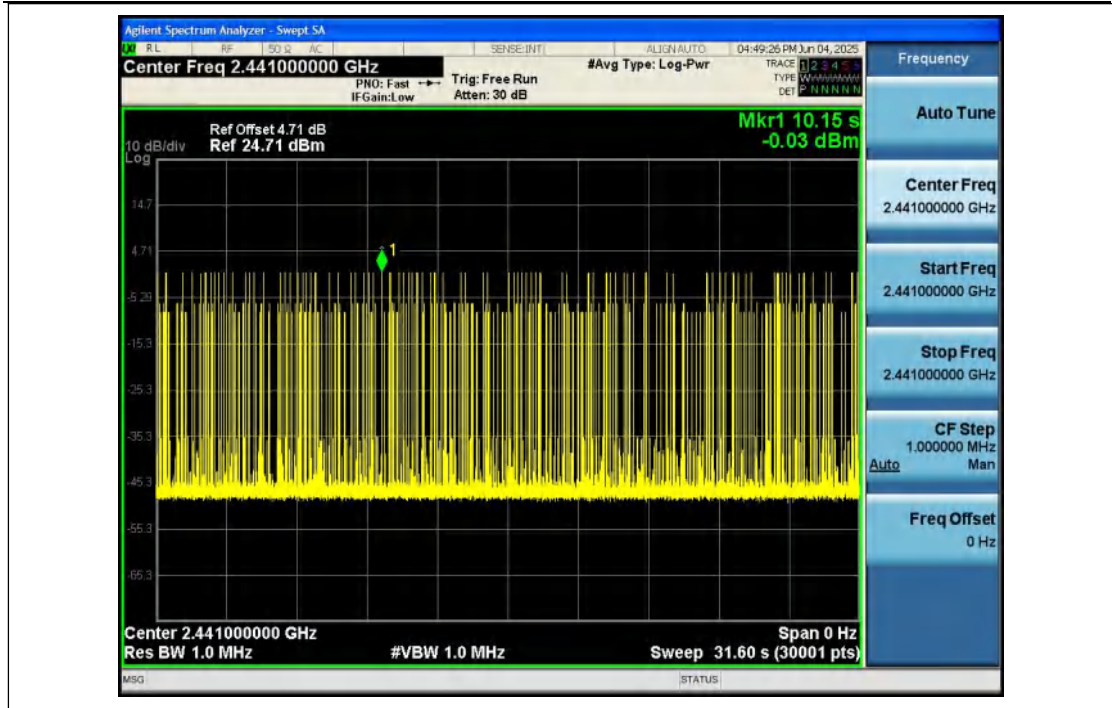
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.900	103.00	298.700	0.40	Pass
NVNT	ANT1	2-DH5	2.910	121.00	352.110	0.40	Pass
NVNT	ANT1	3-DH5	2.910	120.00	349.200	0.40	Pass
NVNT	ANT1	1-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	1-DH3	1.650	164.00	270.600	0.40	Pass
NVNT	ANT1	2-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	2-DH3	1.660	162.00	268.920	0.40	Pass
NVNT	ANT1	3-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	3-DH3	1.660	157.00	260.620	0.40	Pass

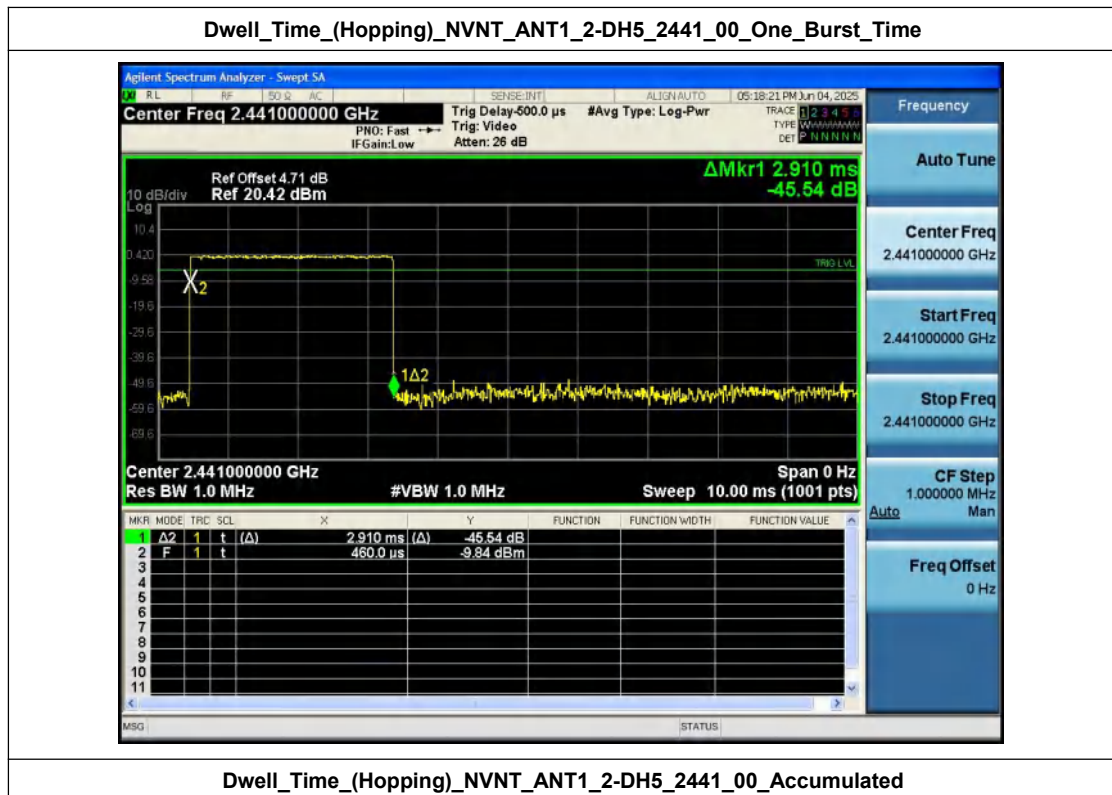
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



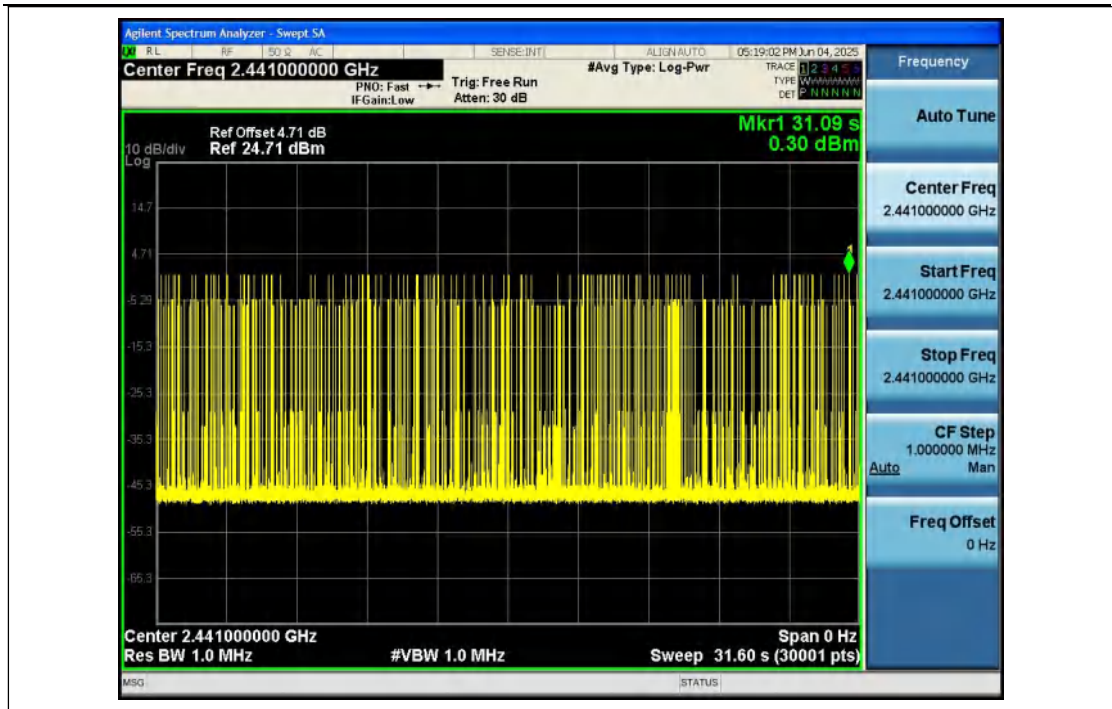
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



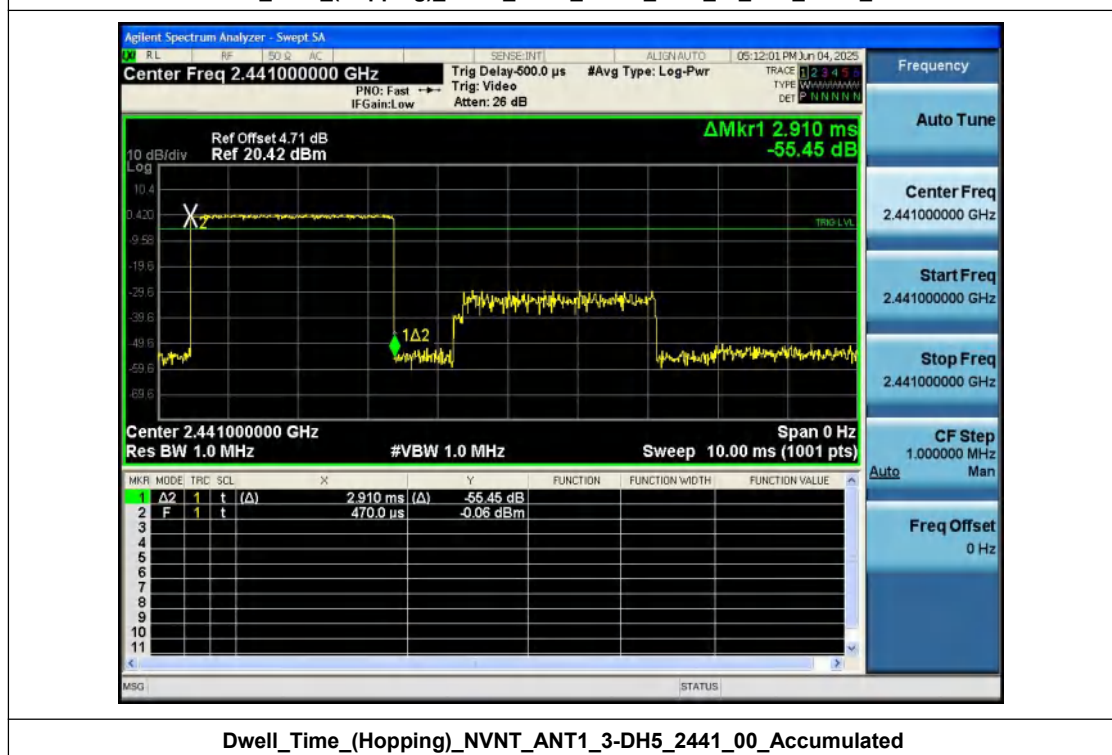
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



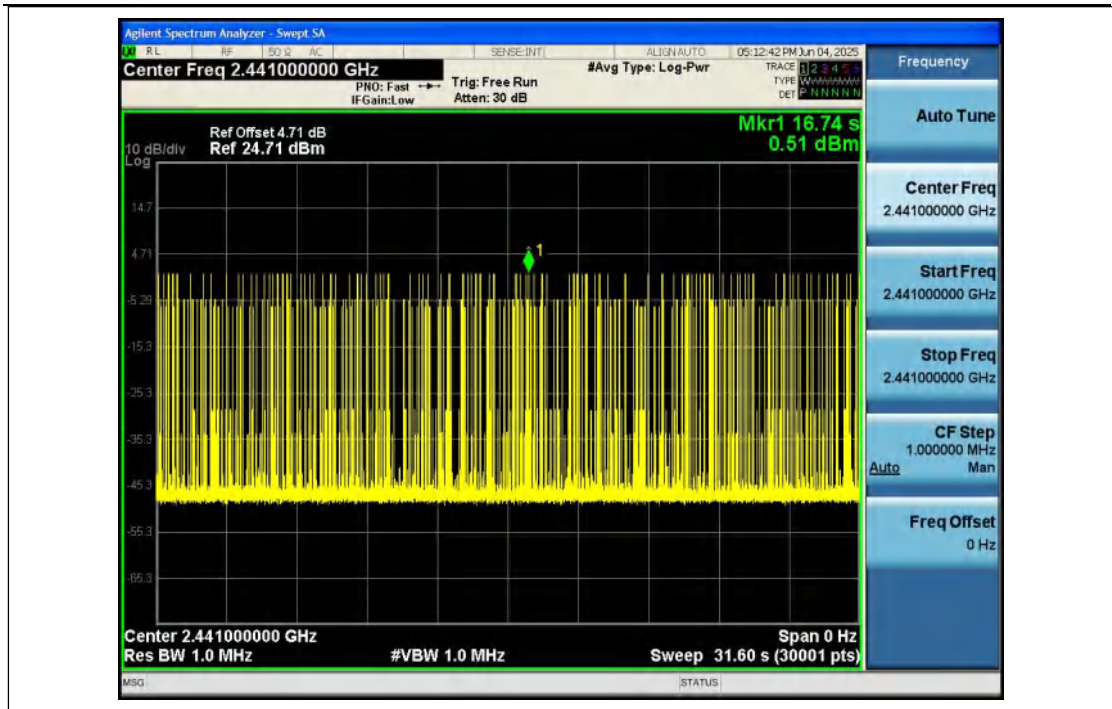
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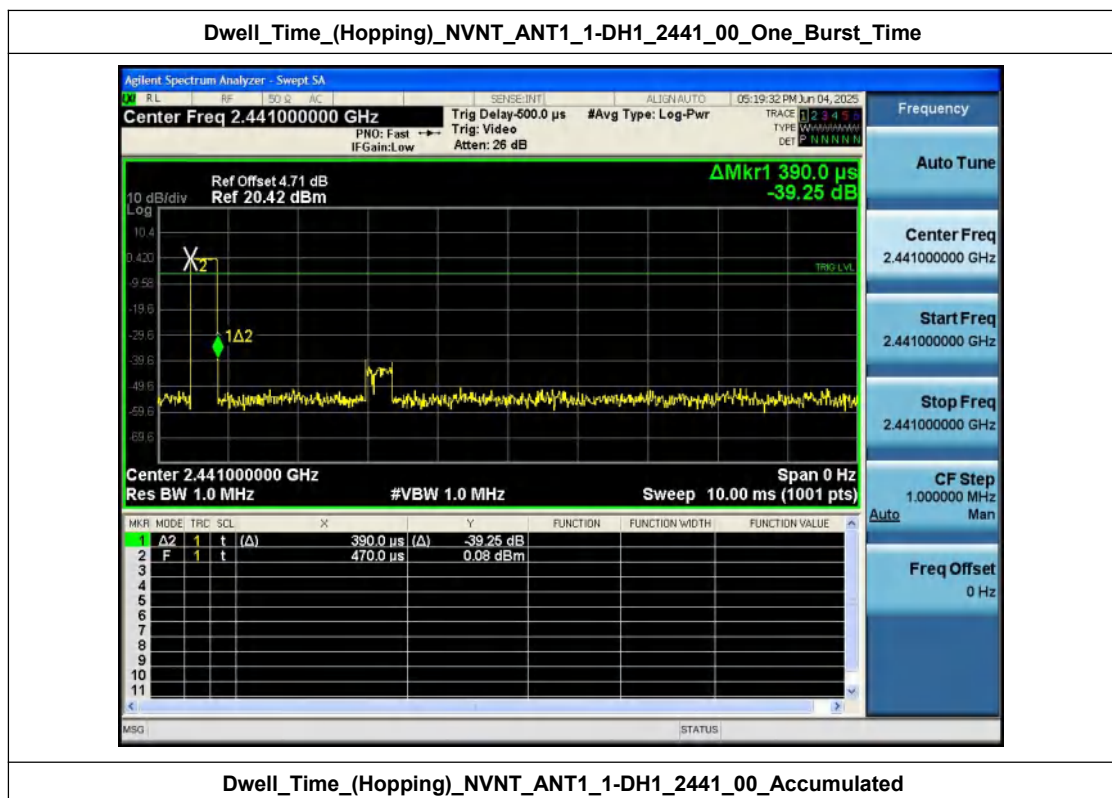
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



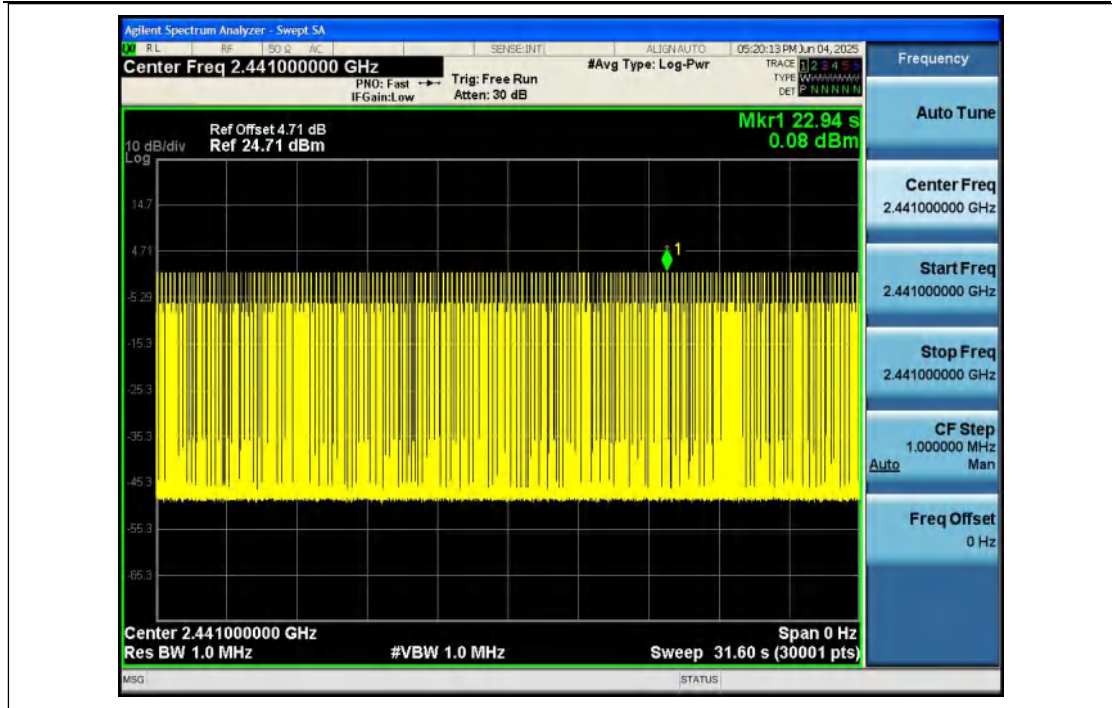
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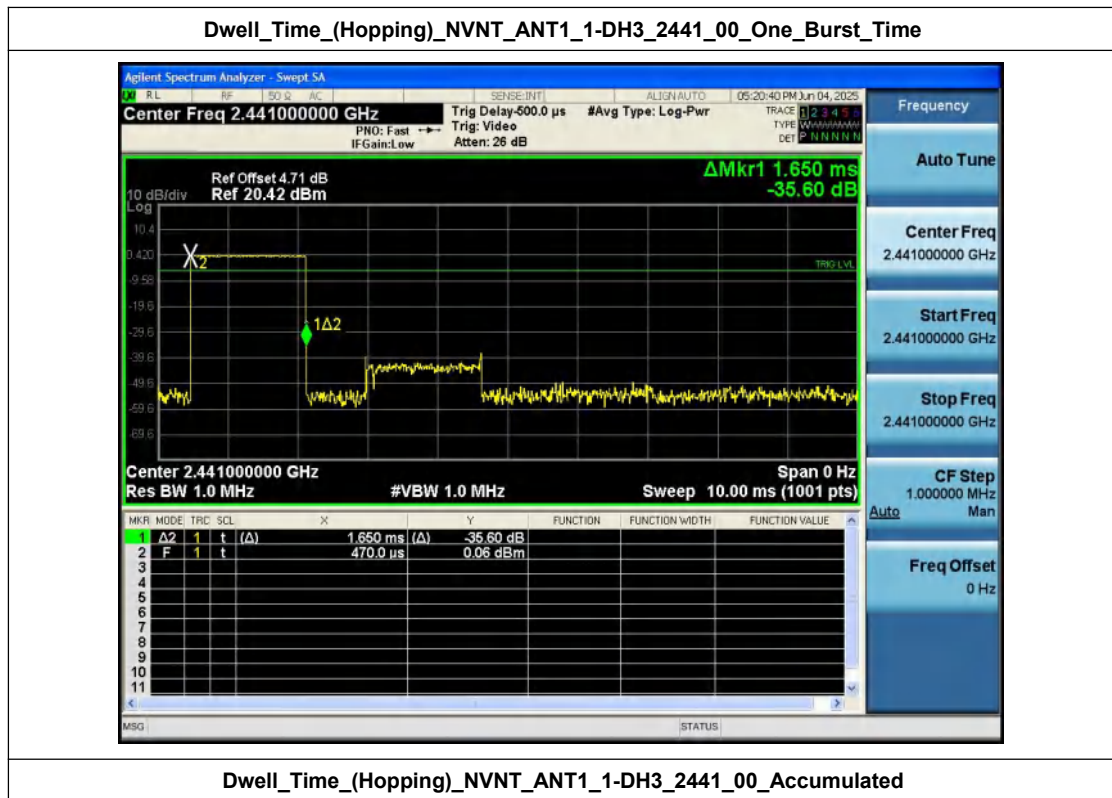
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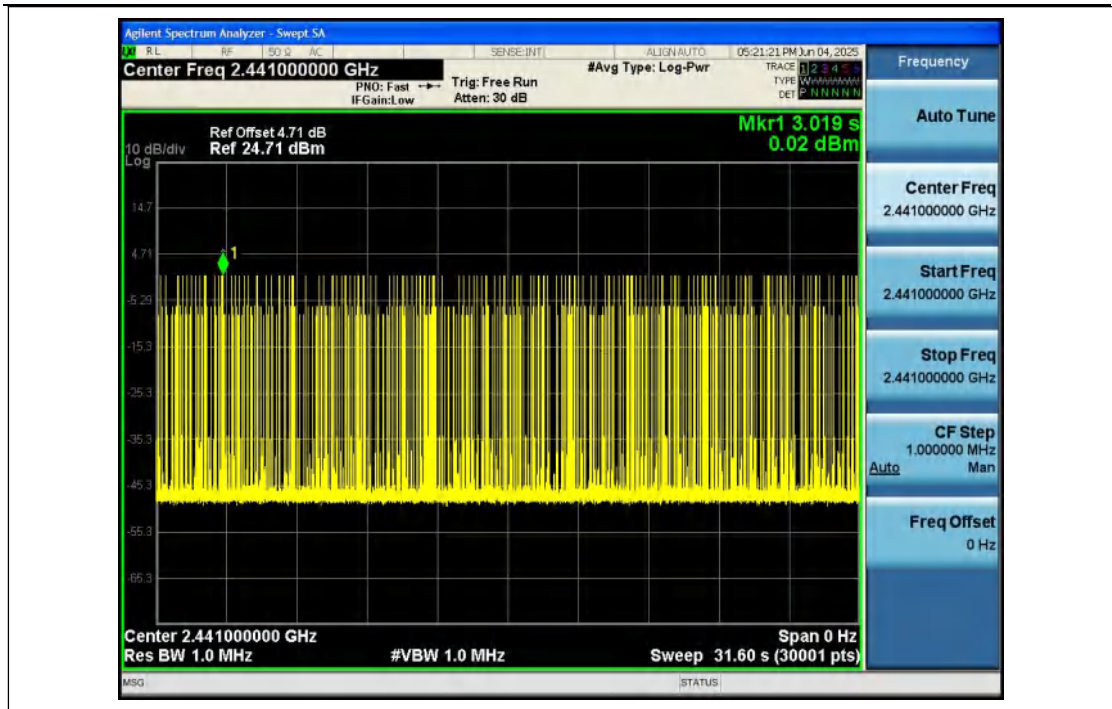
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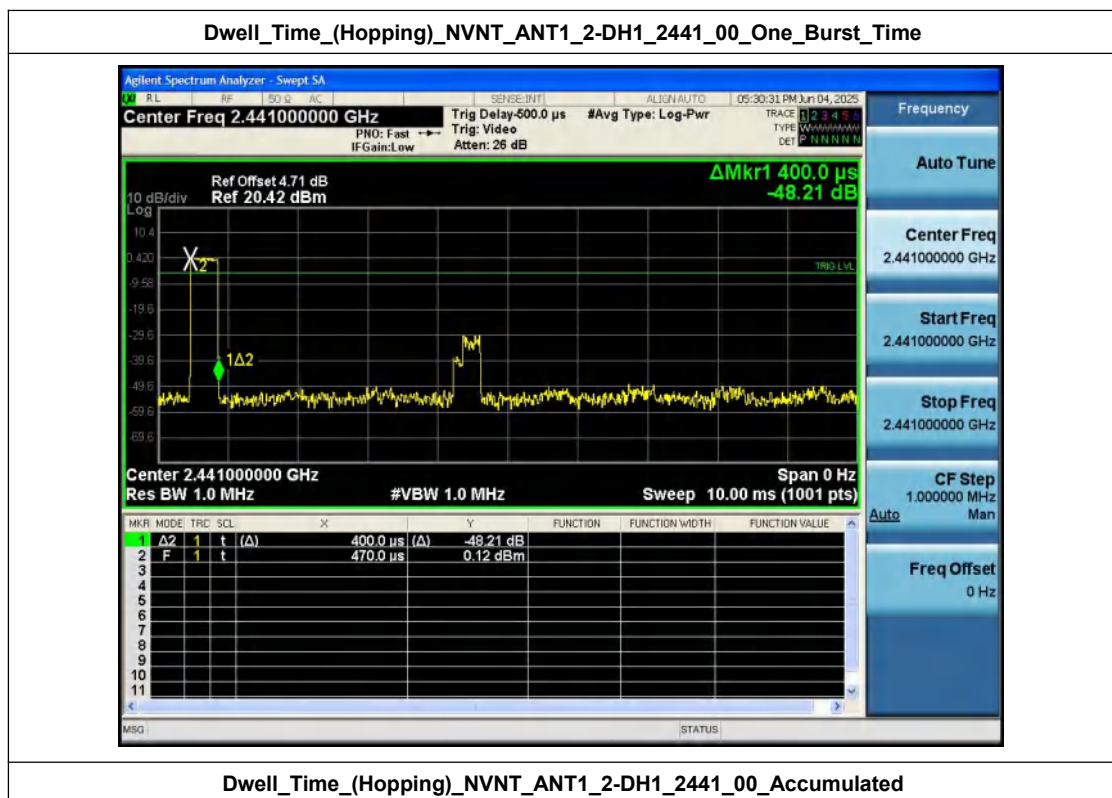
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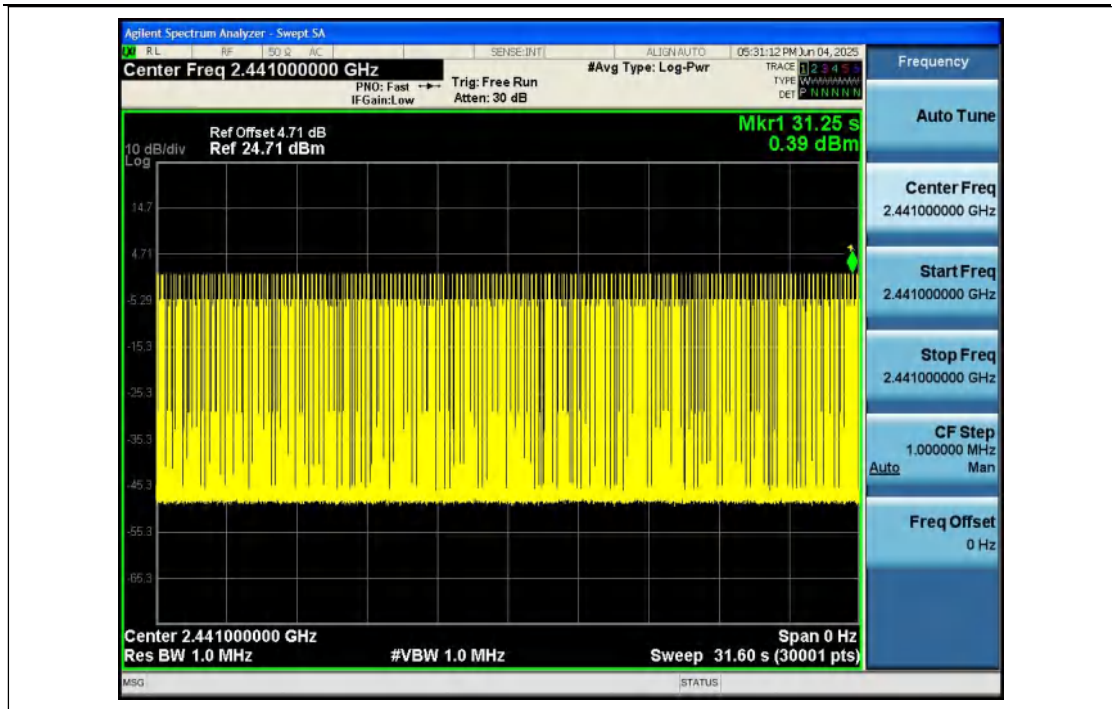
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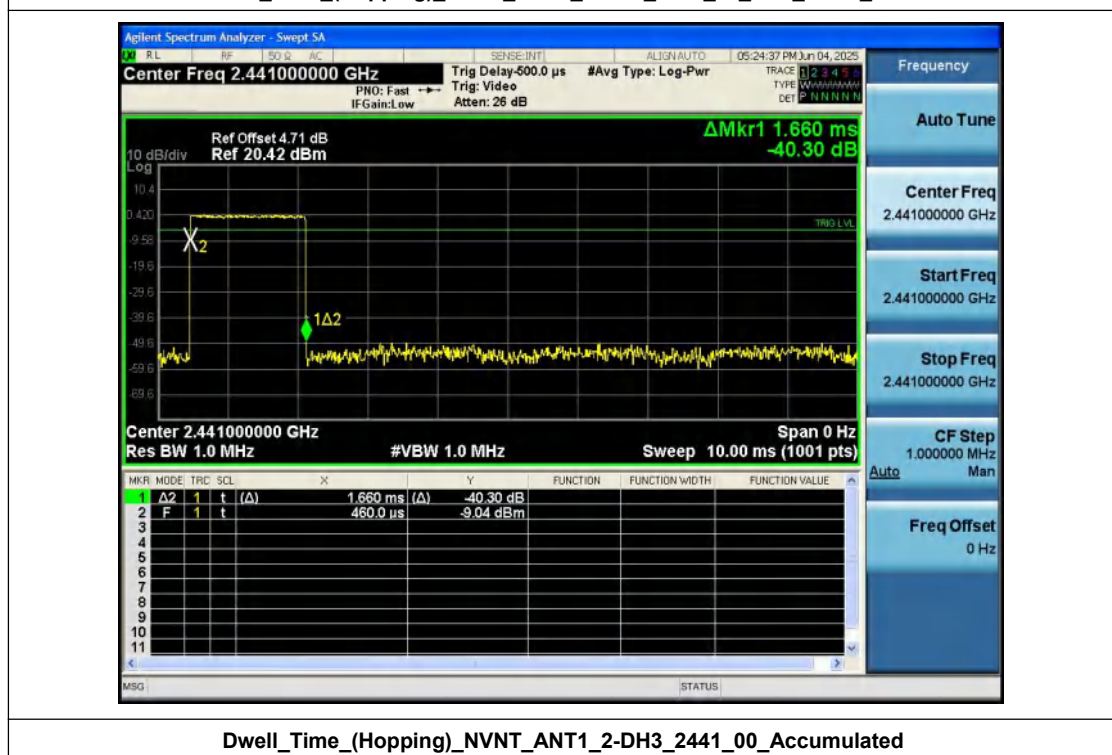
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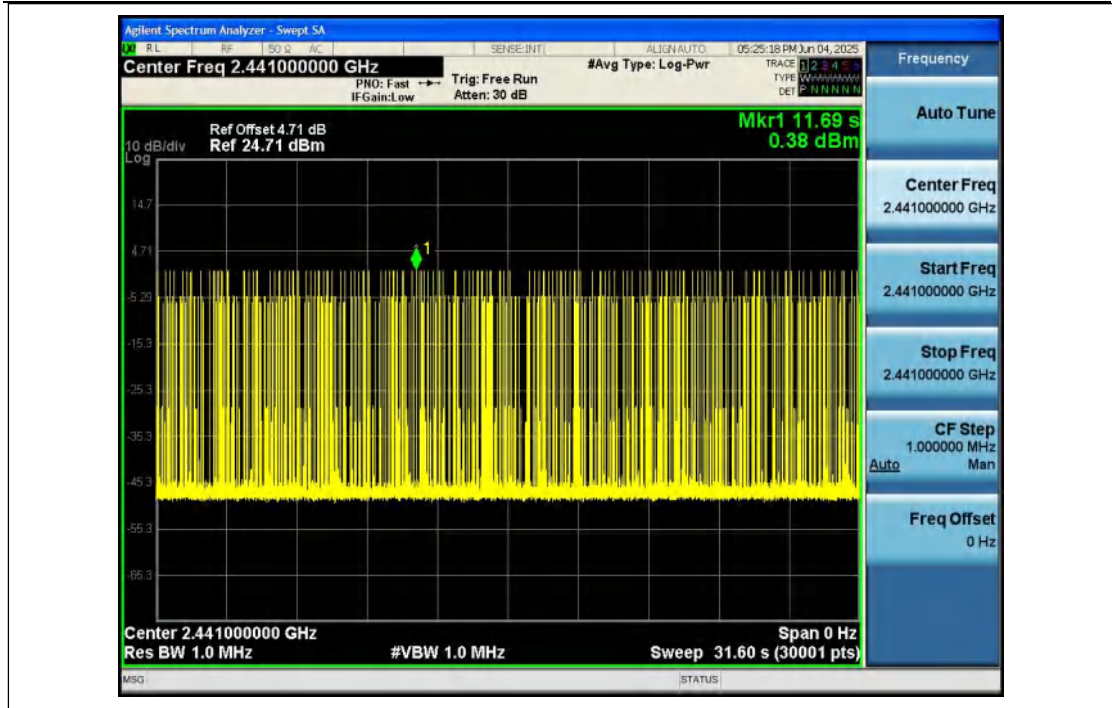
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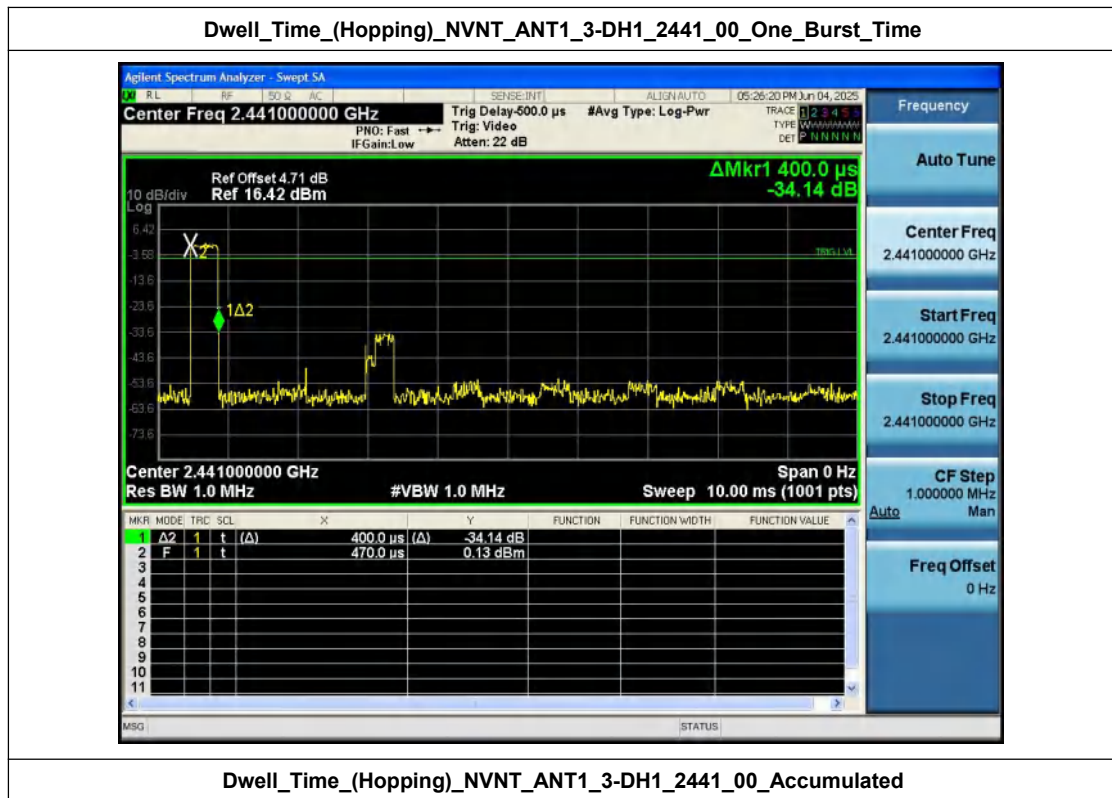
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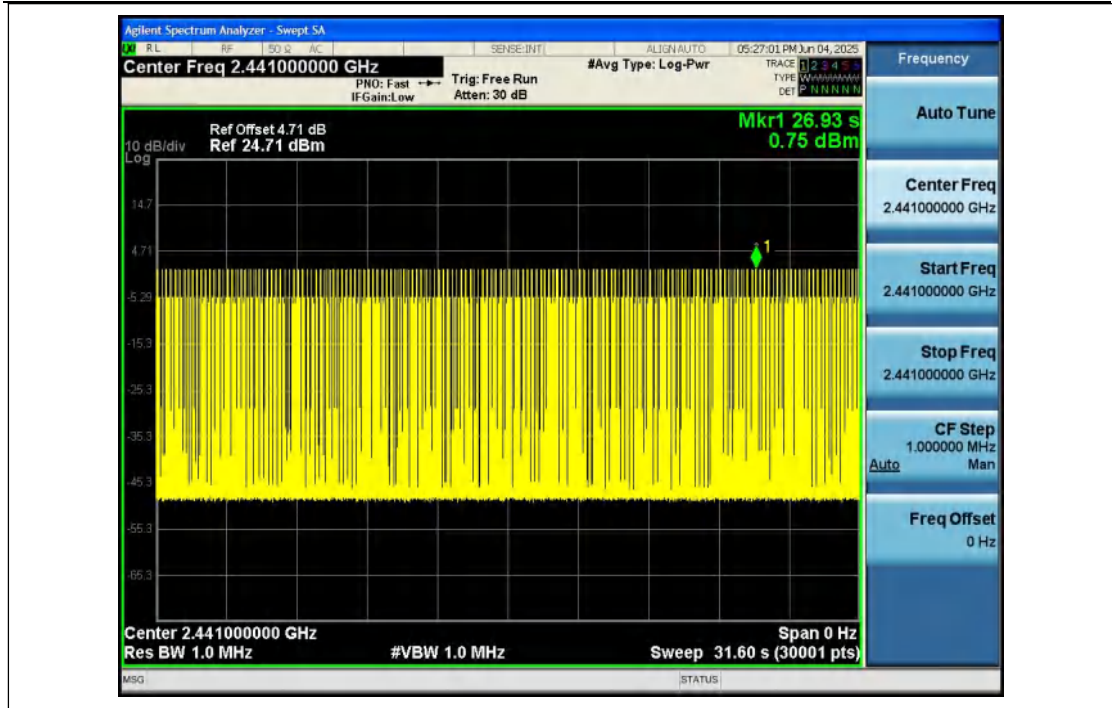
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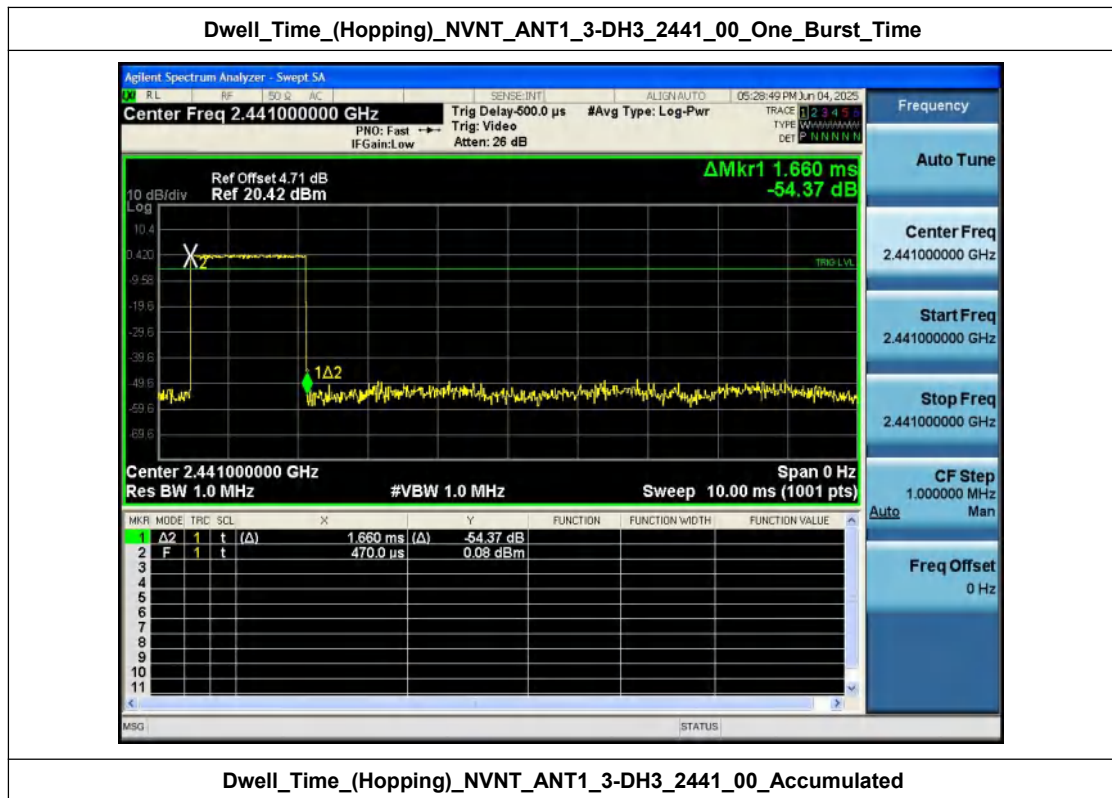
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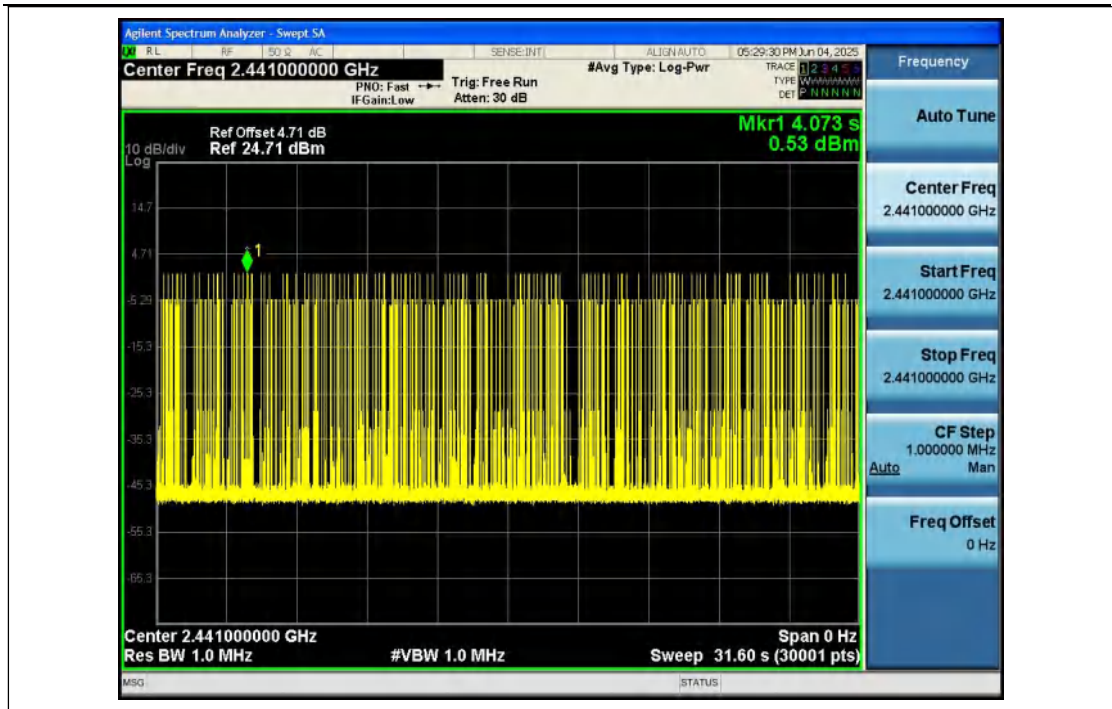
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Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated



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Tel: (86) 0755-26066440 Email: service@anbotek.com



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