

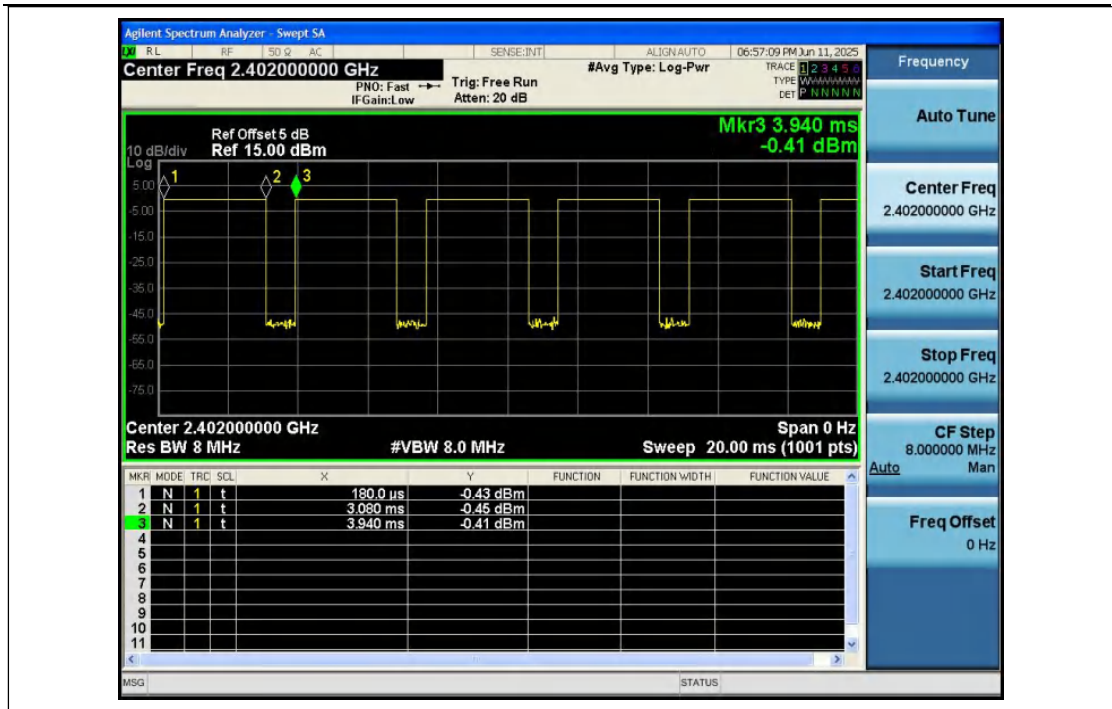
Appendix Test Data

Report No.:	1812C50275312501	Test Sample No.:	1-2-2
Start Test Date:	2025-06-10	Finish Test Date:	2025-06-11
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.4°C	Relative Humidity:	52%
Pressure:	101kPa		

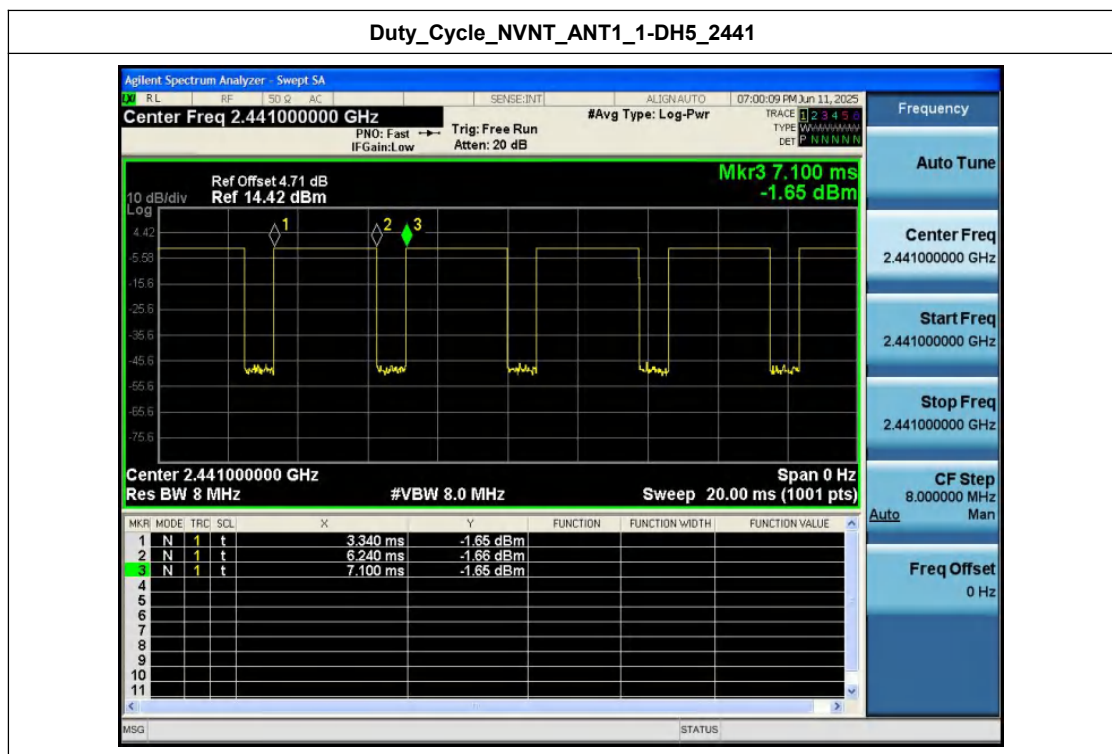
Appendix A: Duty Cycle

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

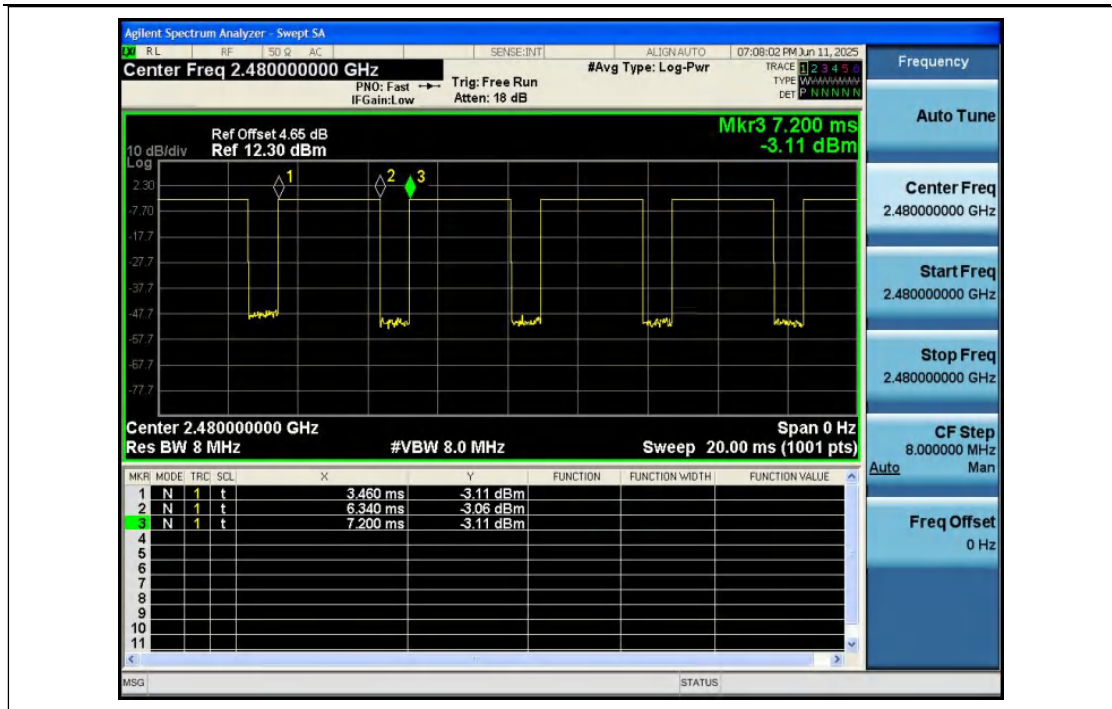
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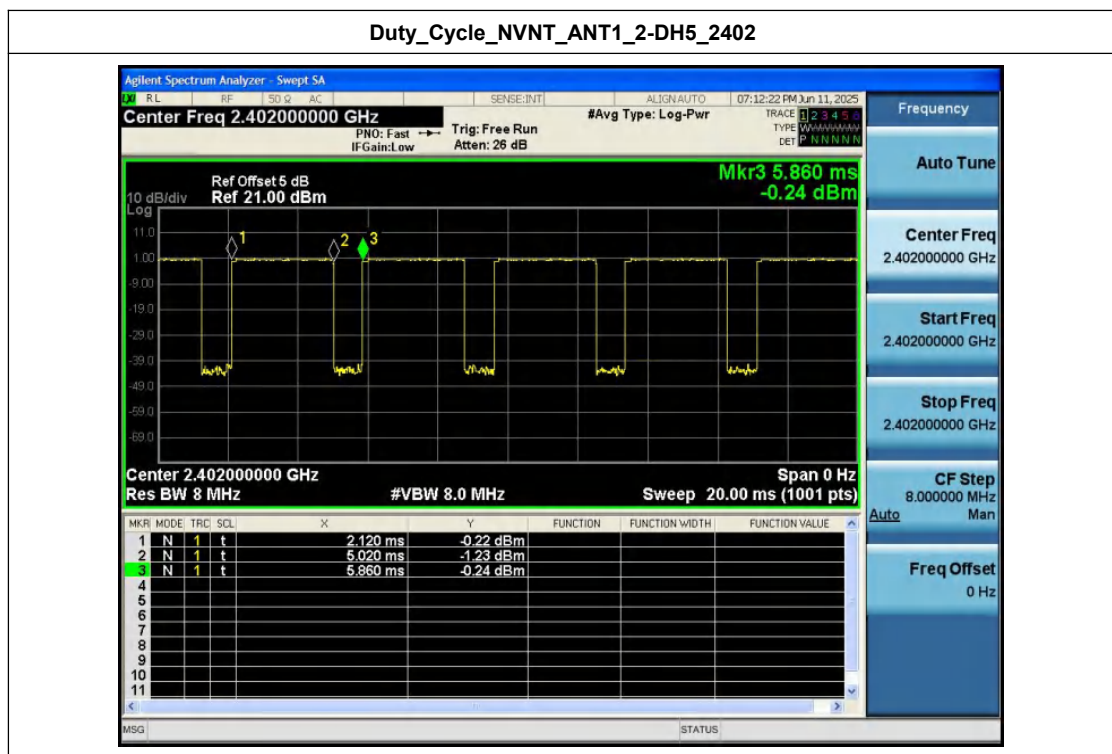
Duty_Cycle_NVNT_ANT1_1-DH5_2441



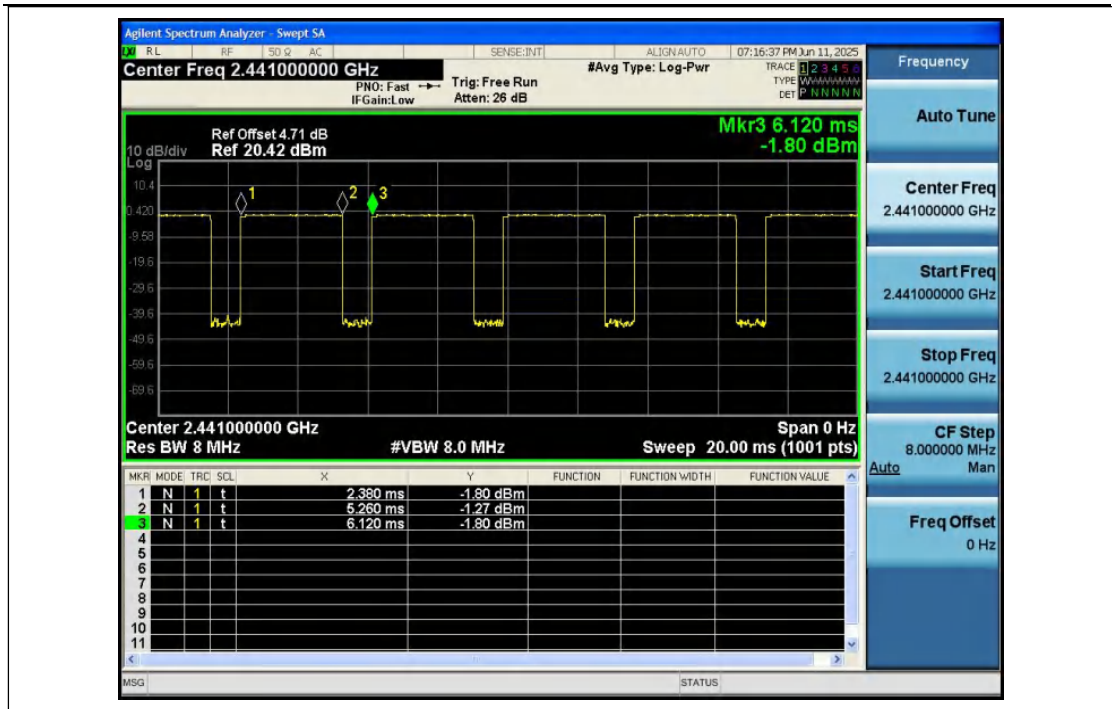
Duty_Cycle_NVNT_ANT1_1-DH5_2480



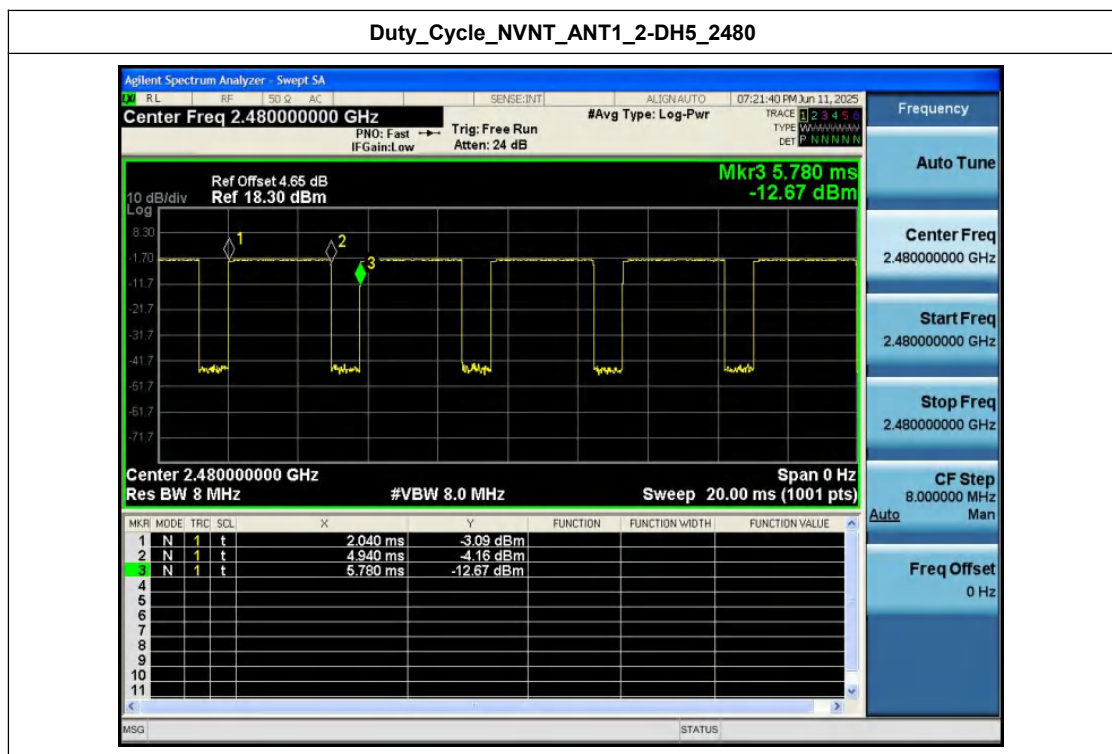
Duty_Cycle_NVNT_ANT1_2-DH5_2402



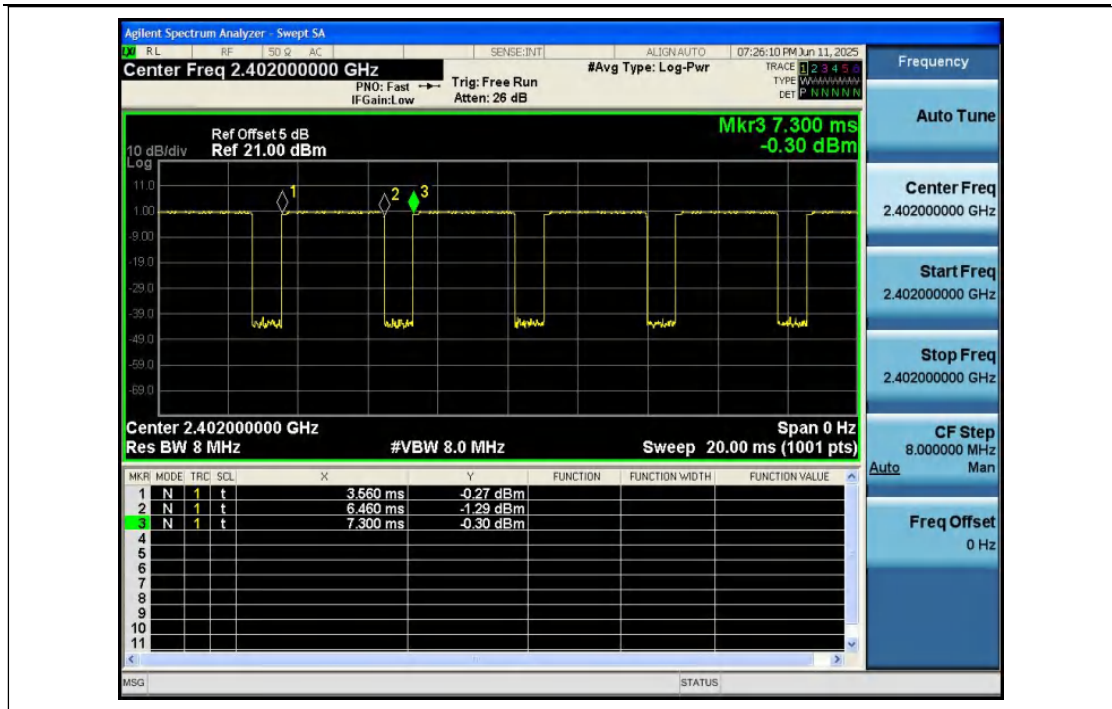
Duty_Cycle_NVNT_ANT1_2-DH5_2441



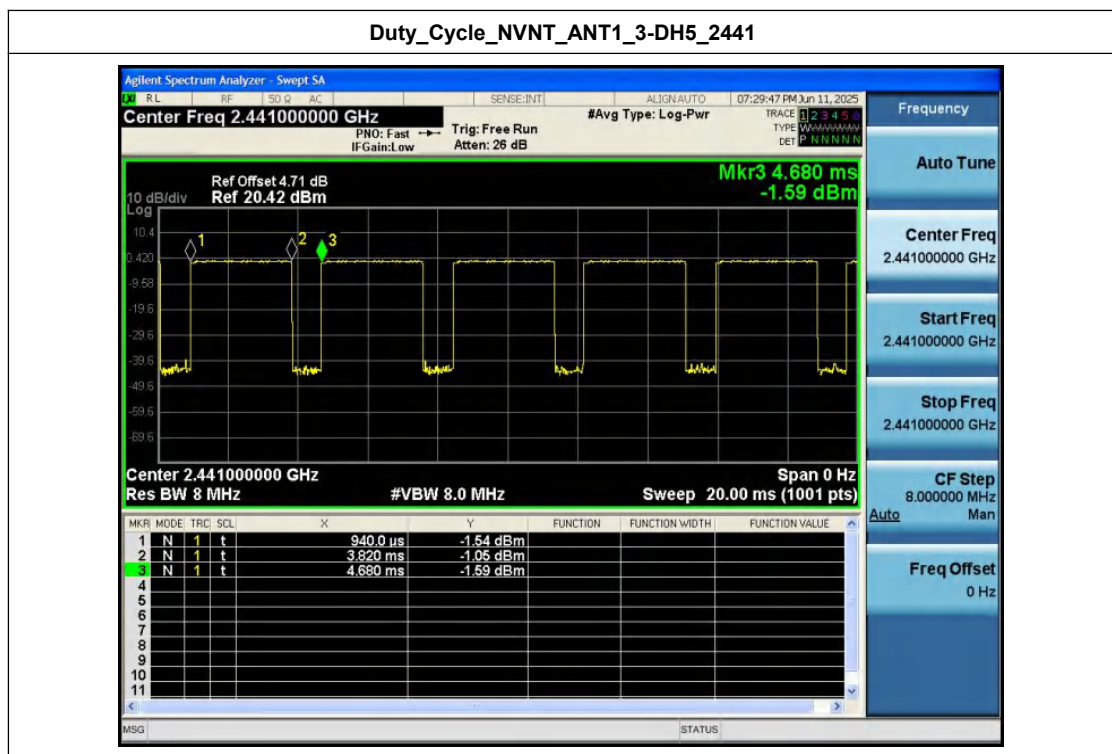
Duty_Cycle_NVNT_ANT1_2-DH5_2480



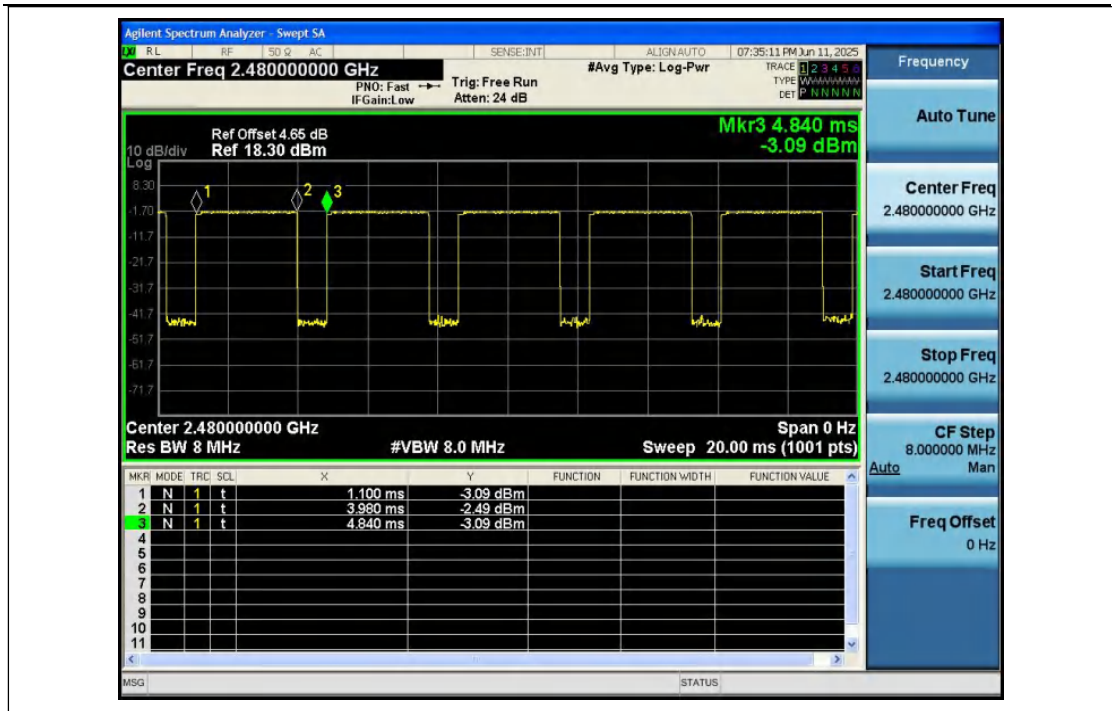
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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

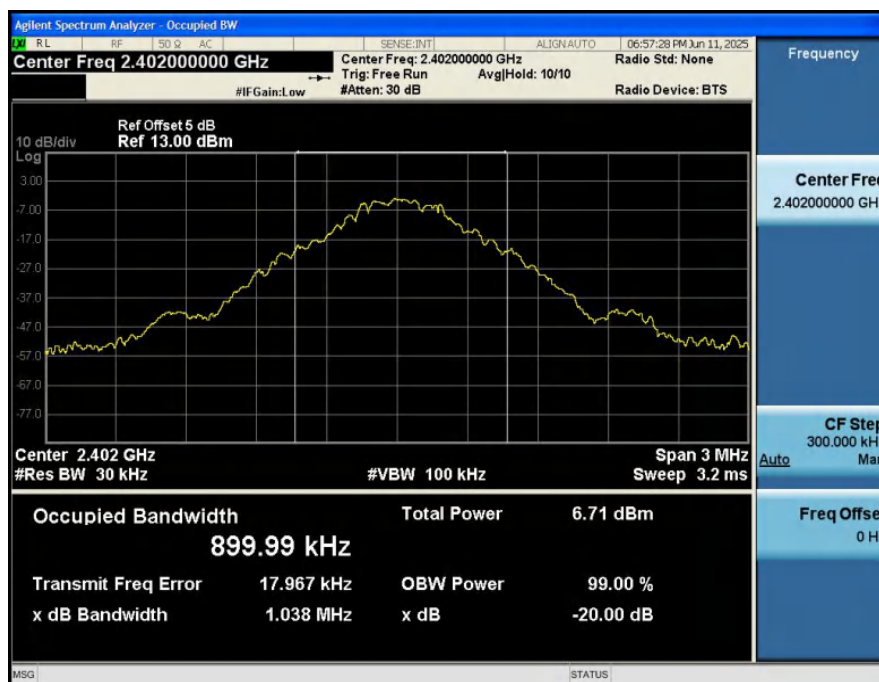


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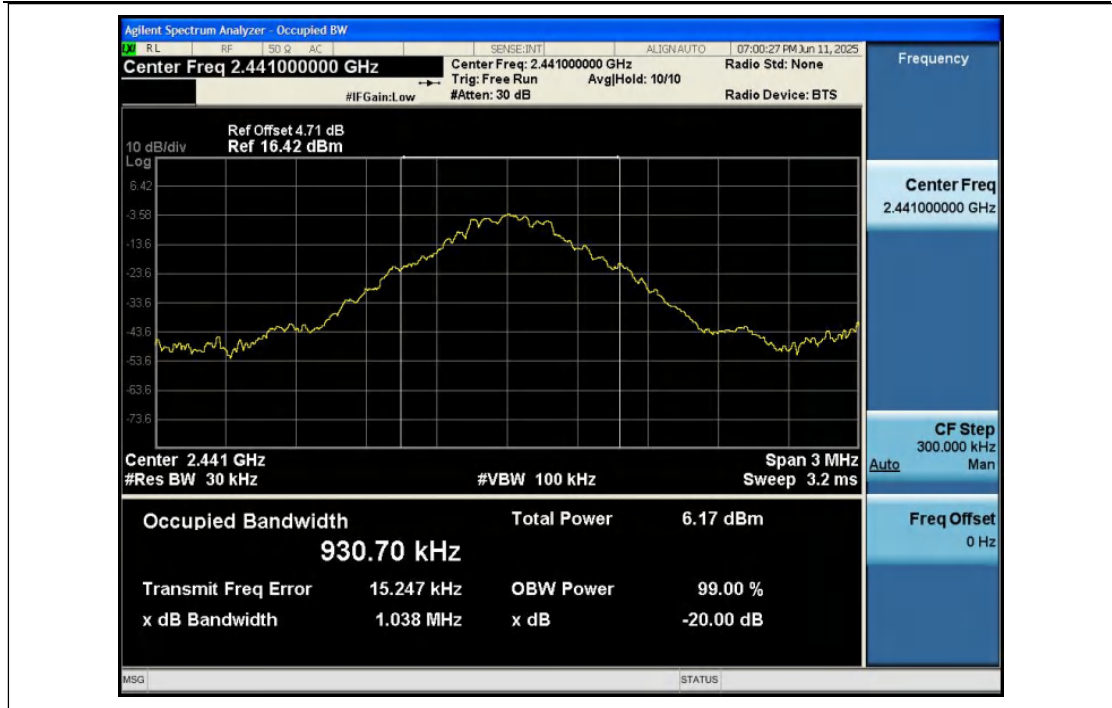
Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	1.038	Yes
NVNT	ANT1	1-DH5	2441.00	1.038	Yes
NVNT	ANT1	1-DH5	2480.00	1.038	Yes
NVNT	ANT1	2-DH5	2402.00	1.324	Yes
NVNT	ANT1	2-DH5	2441.00	1.322	Yes
NVNT	ANT1	2-DH5	2480.00	1.318	Yes
NVNT	ANT1	3-DH5	2402.00	1.306	Yes
NVNT	ANT1	3-DH5	2441.00	1.306	Yes
NVNT	ANT1	3-DH5	2480.00	1.311	Yes

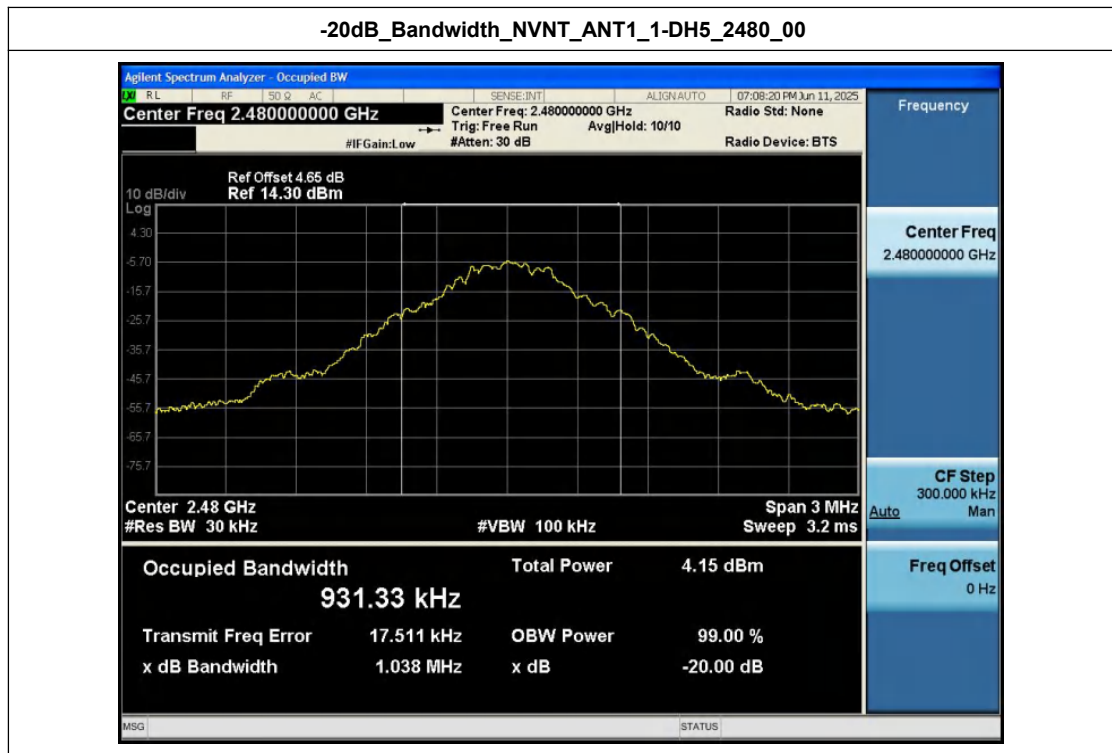
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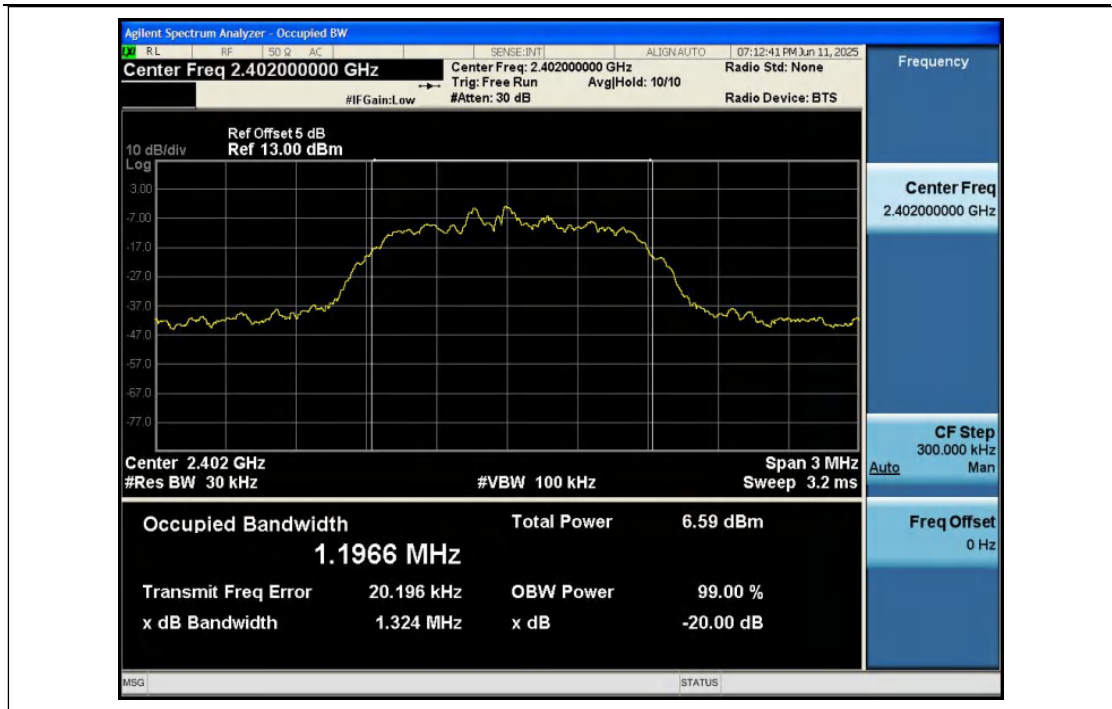
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



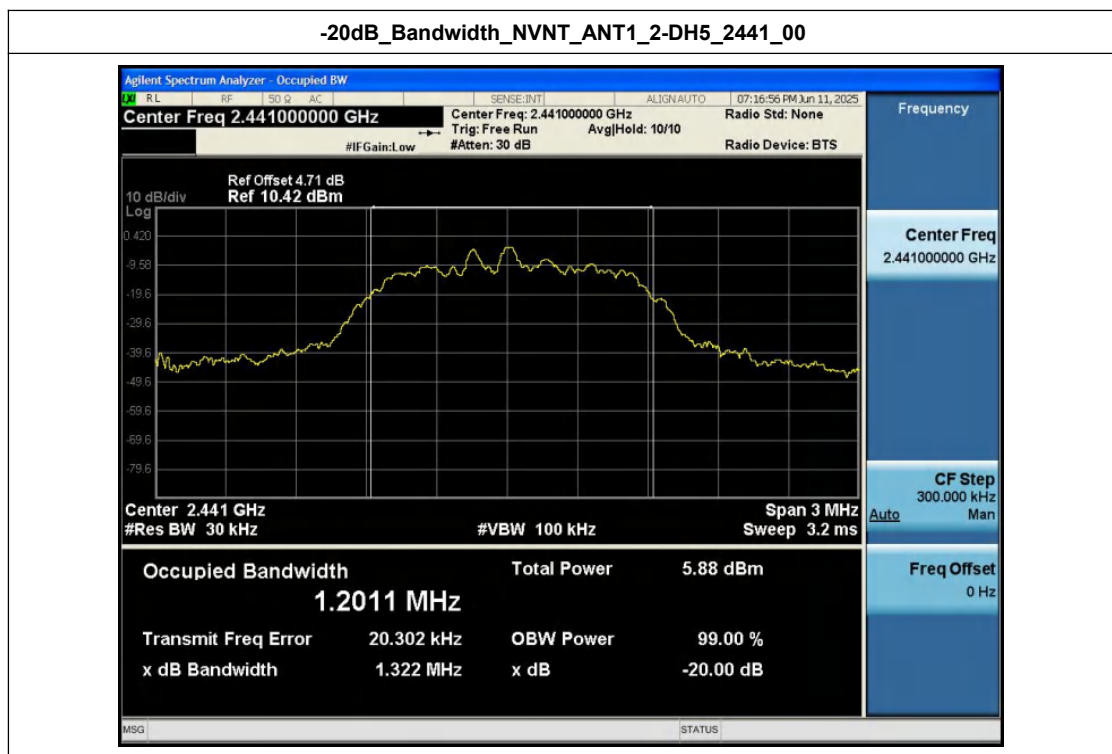
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00



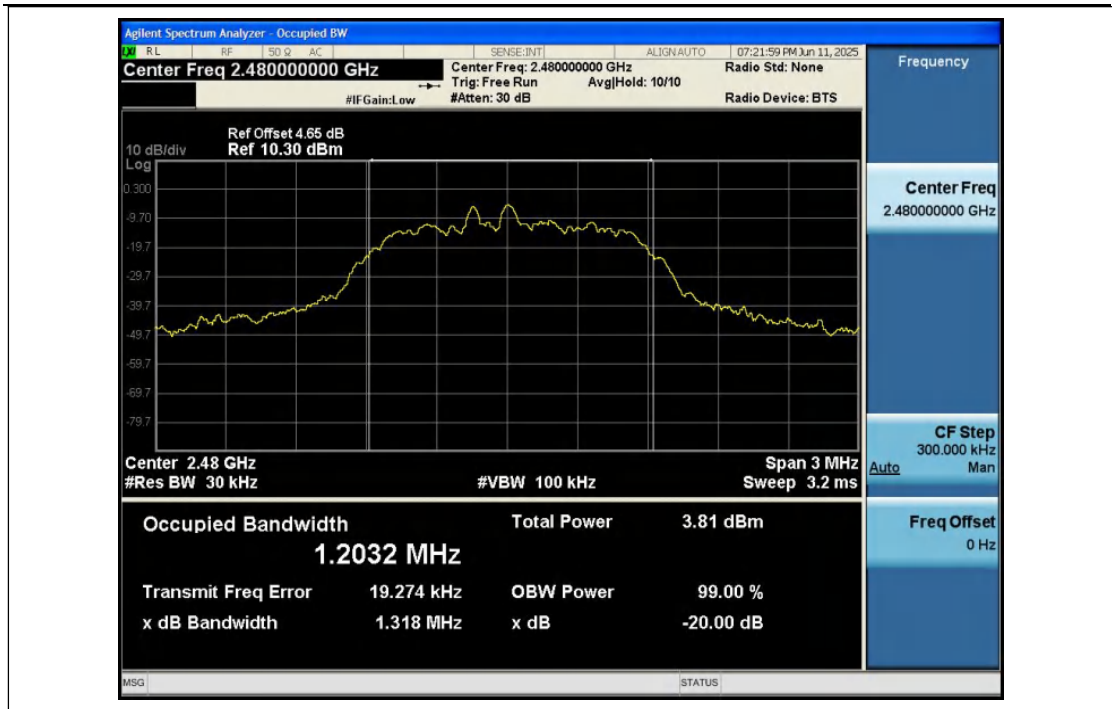
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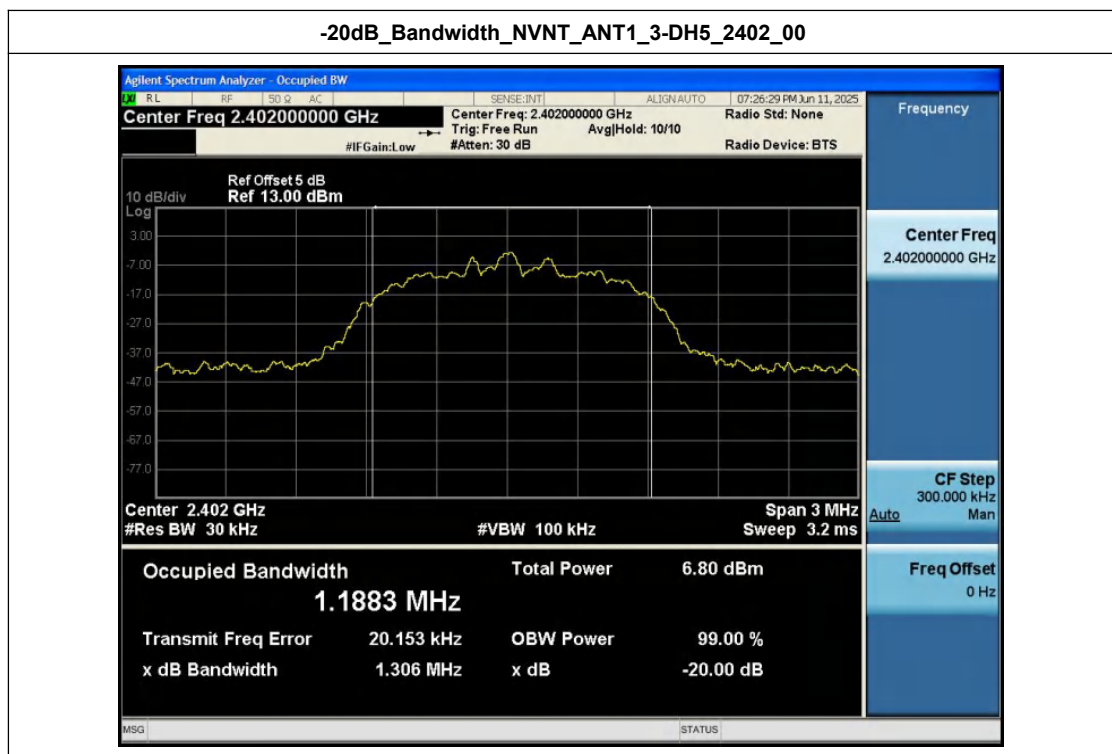
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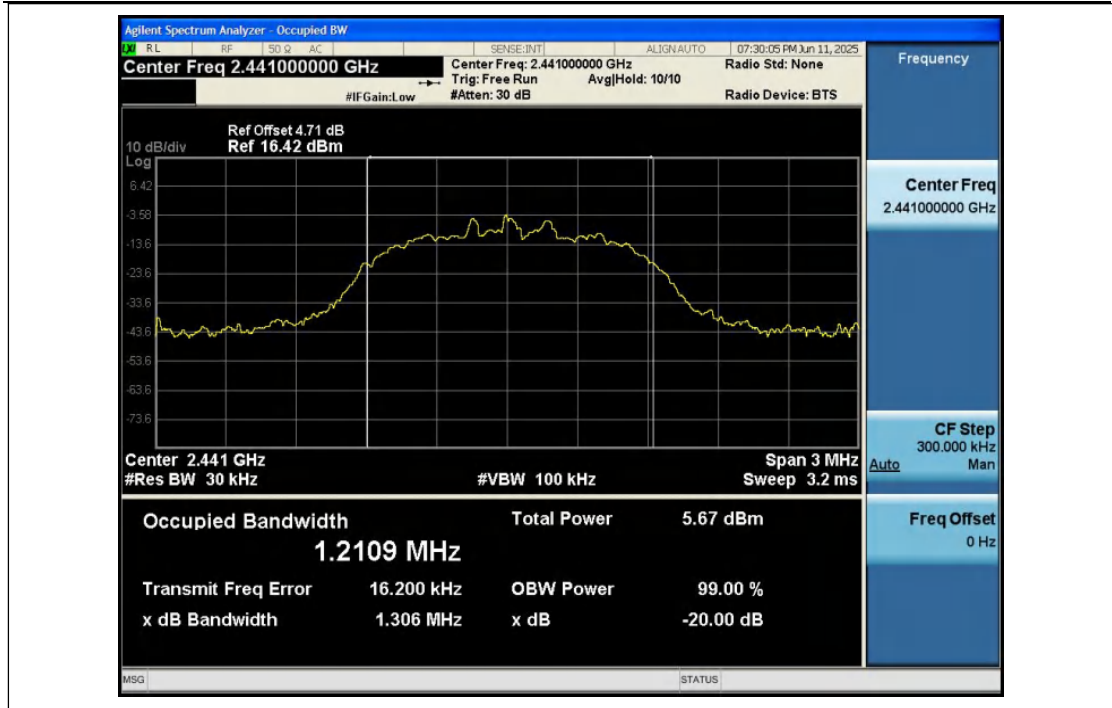
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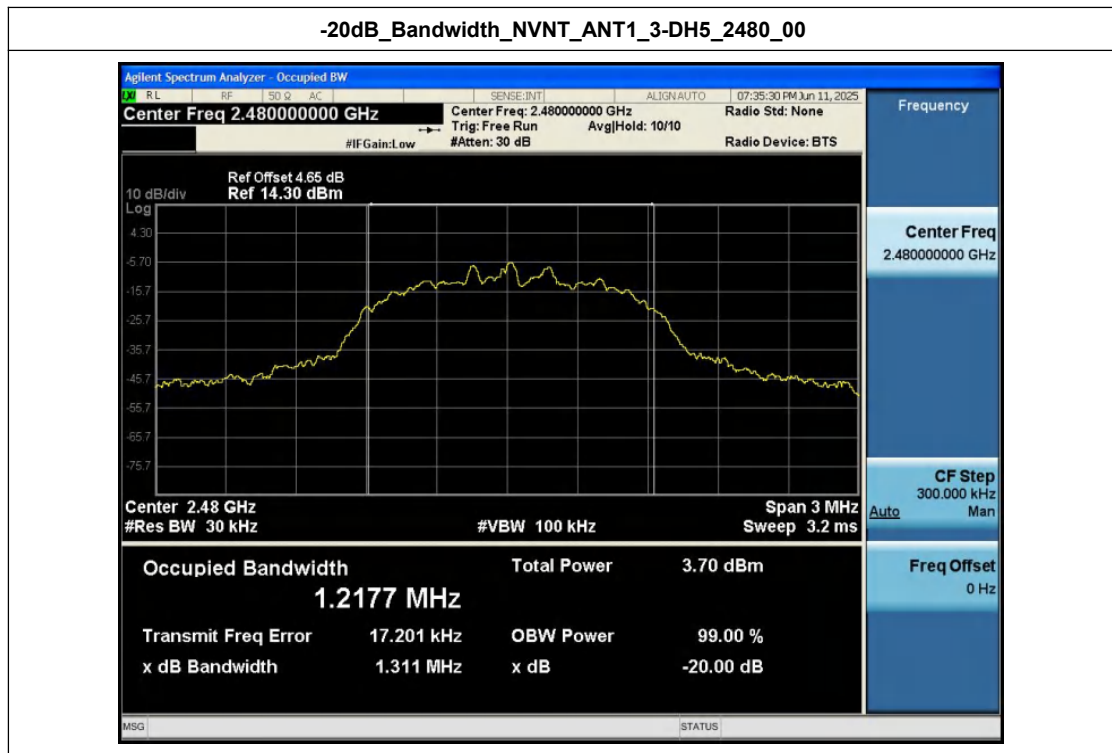
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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00



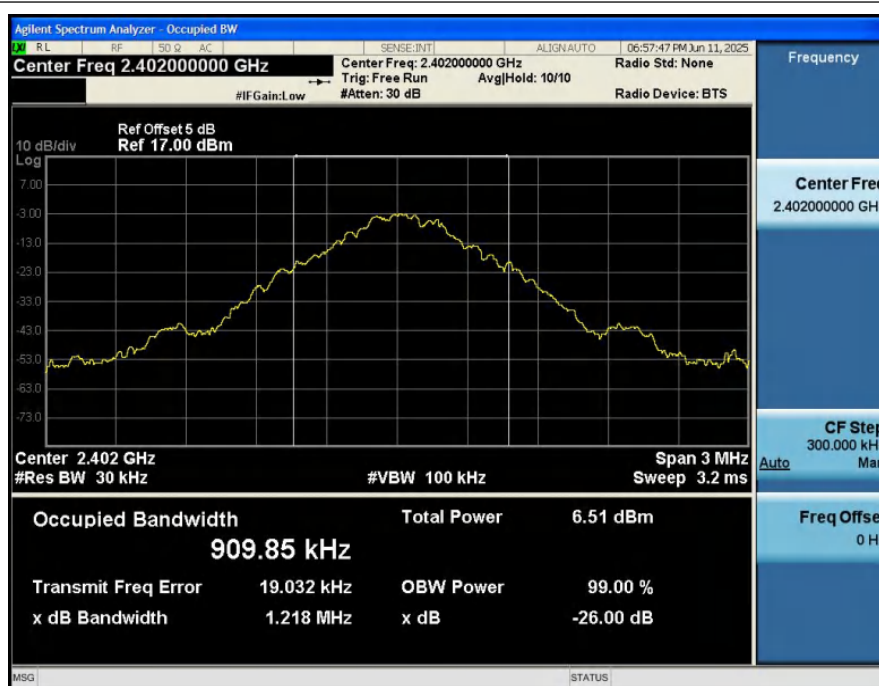
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00



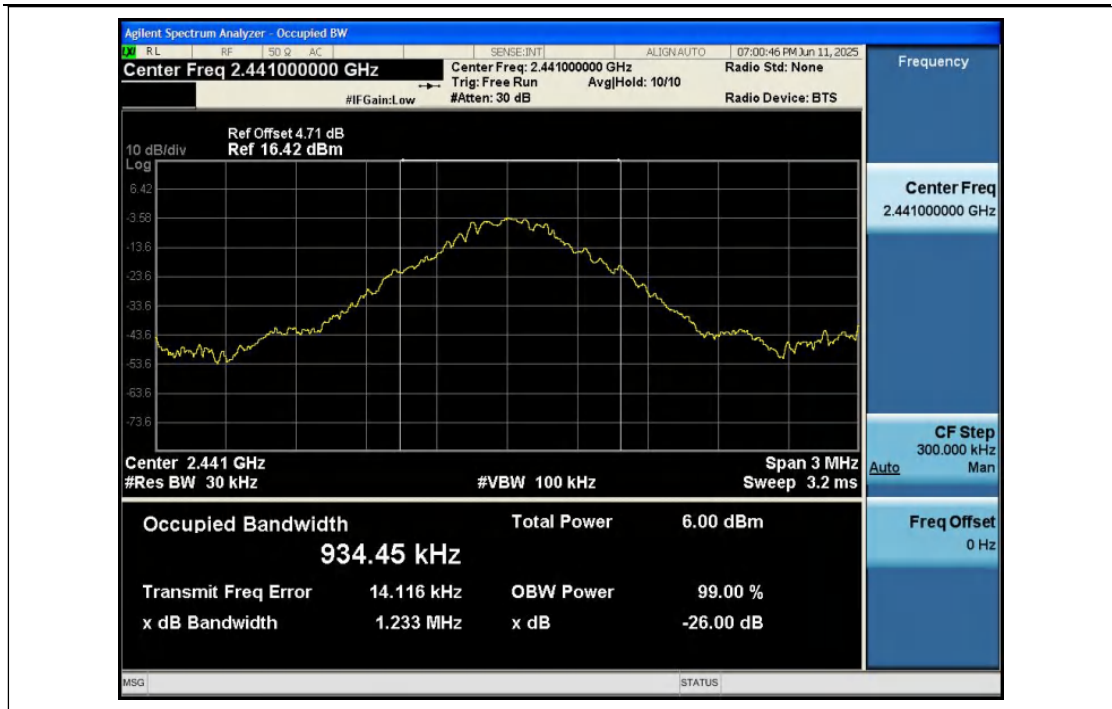
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.910
NVNT	ANT1	1-DH5	2441.00	0.934
NVNT	ANT1	1-DH5	2480.00	0.936
NVNT	ANT1	2-DH5	2402.00	1.197
NVNT	ANT1	2-DH5	2441.00	1.203
NVNT	ANT1	2-DH5	2480.00	1.200
NVNT	ANT1	3-DH5	2402.00	1.196
NVNT	ANT1	3-DH5	2441.00	1.208
NVNT	ANT1	3-DH5	2480.00	1.216

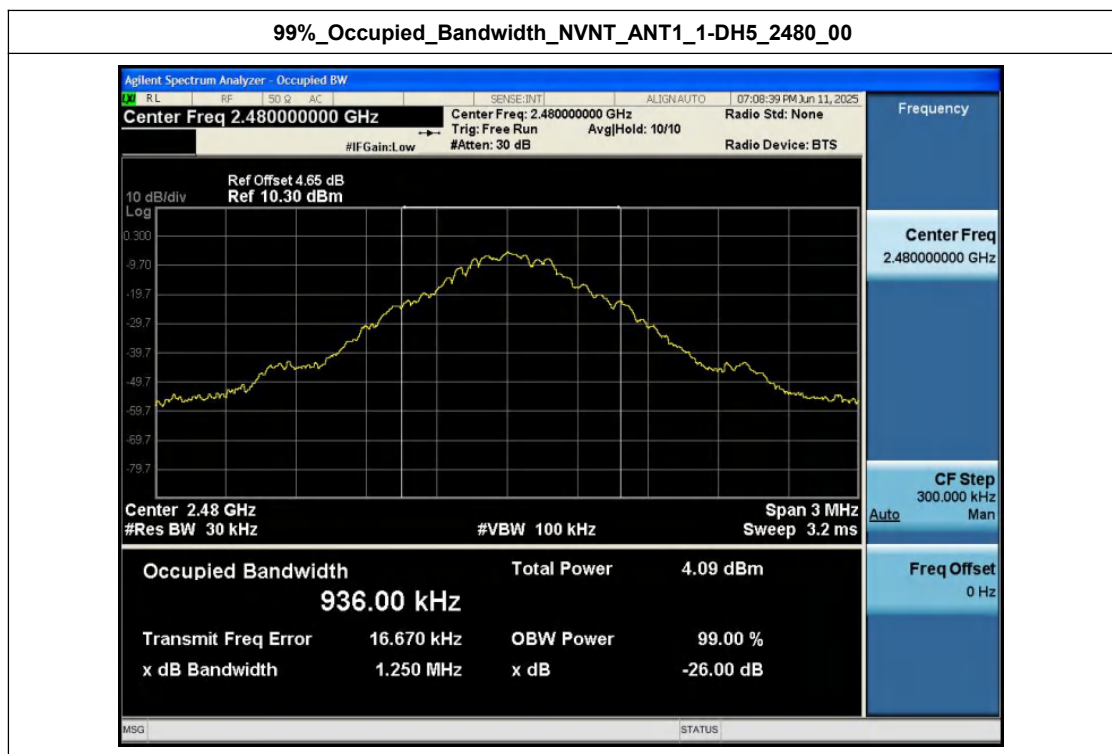
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00



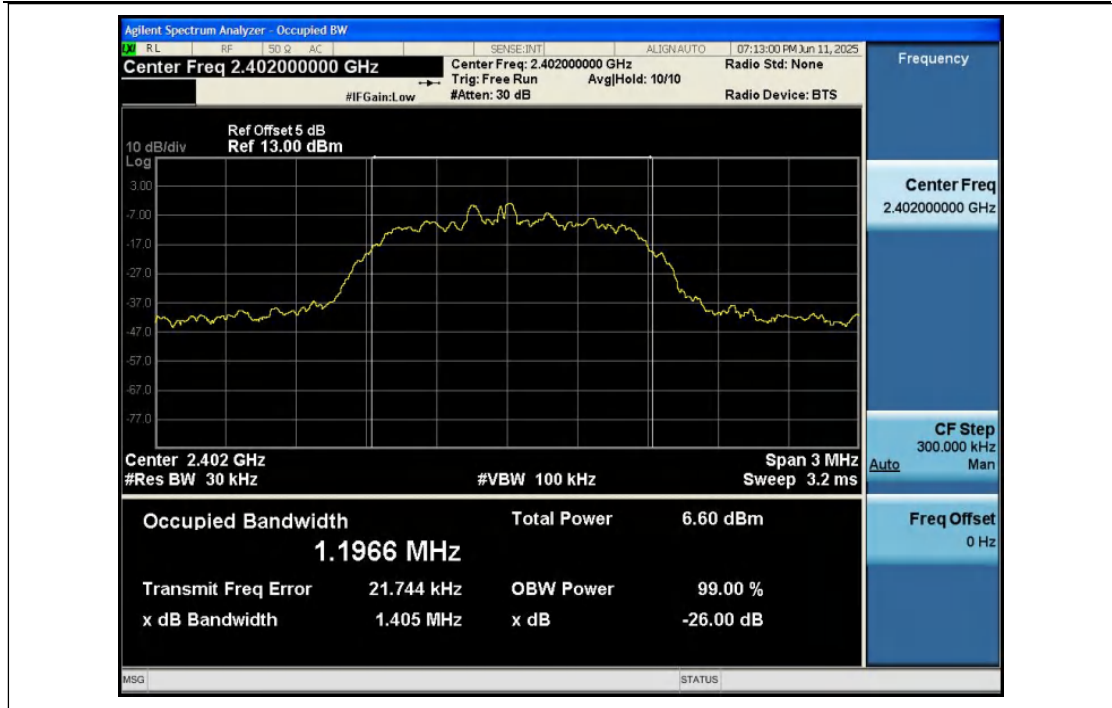
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



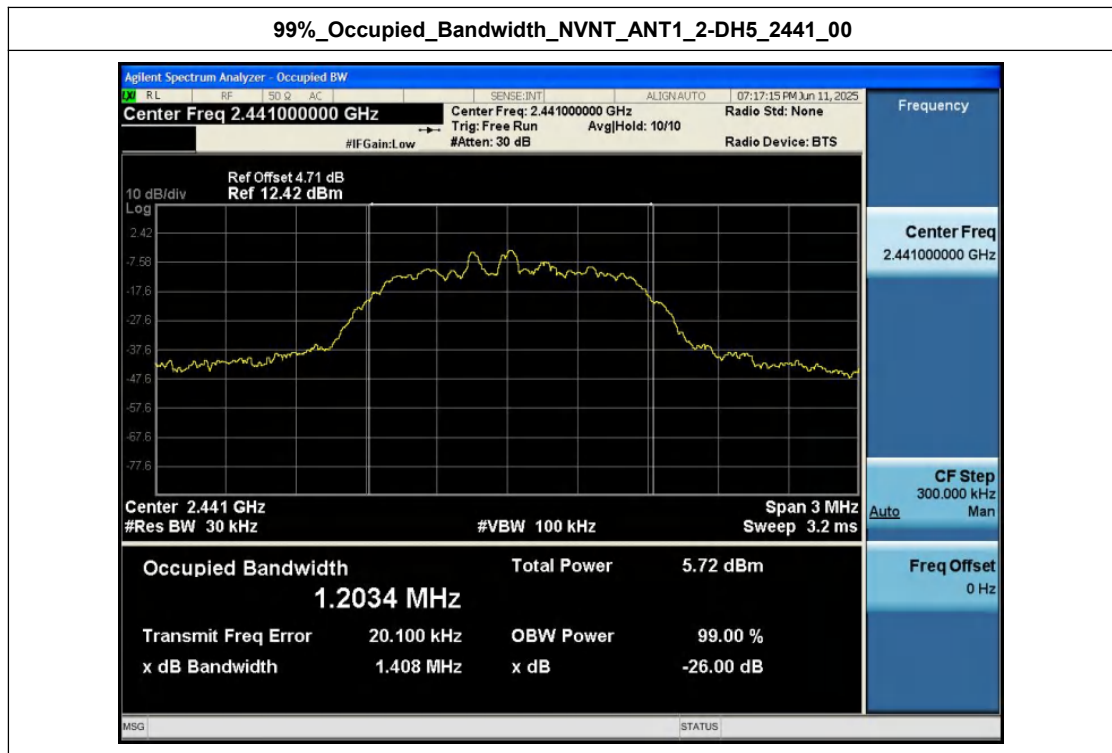
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00



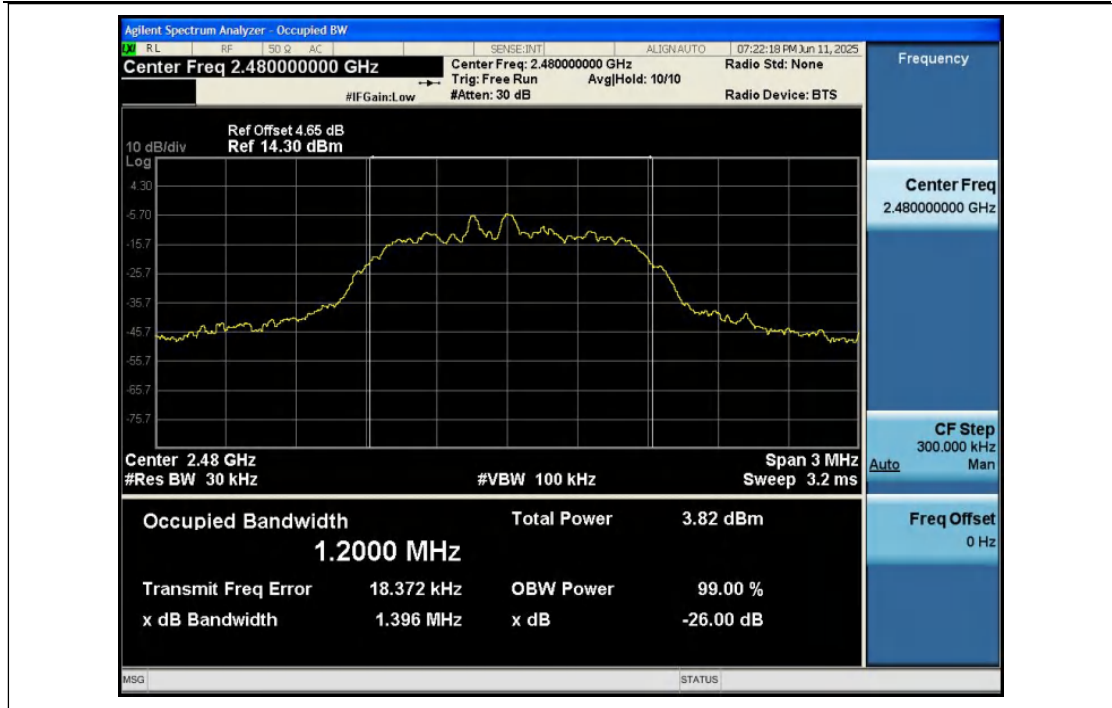
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



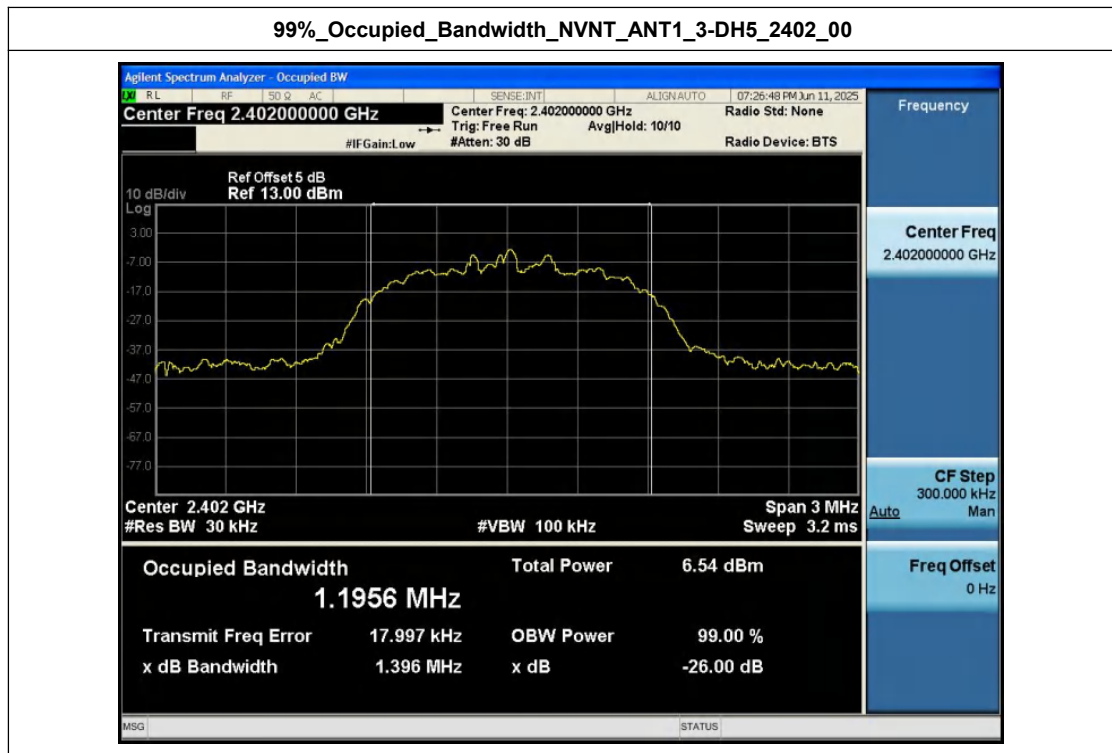
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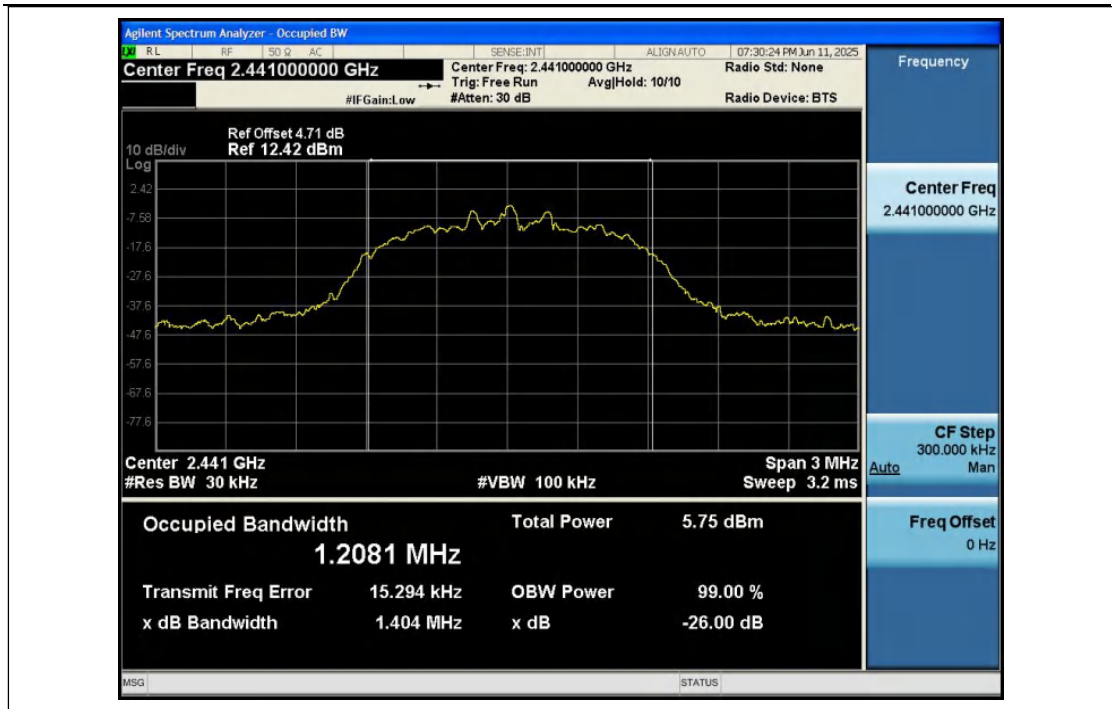
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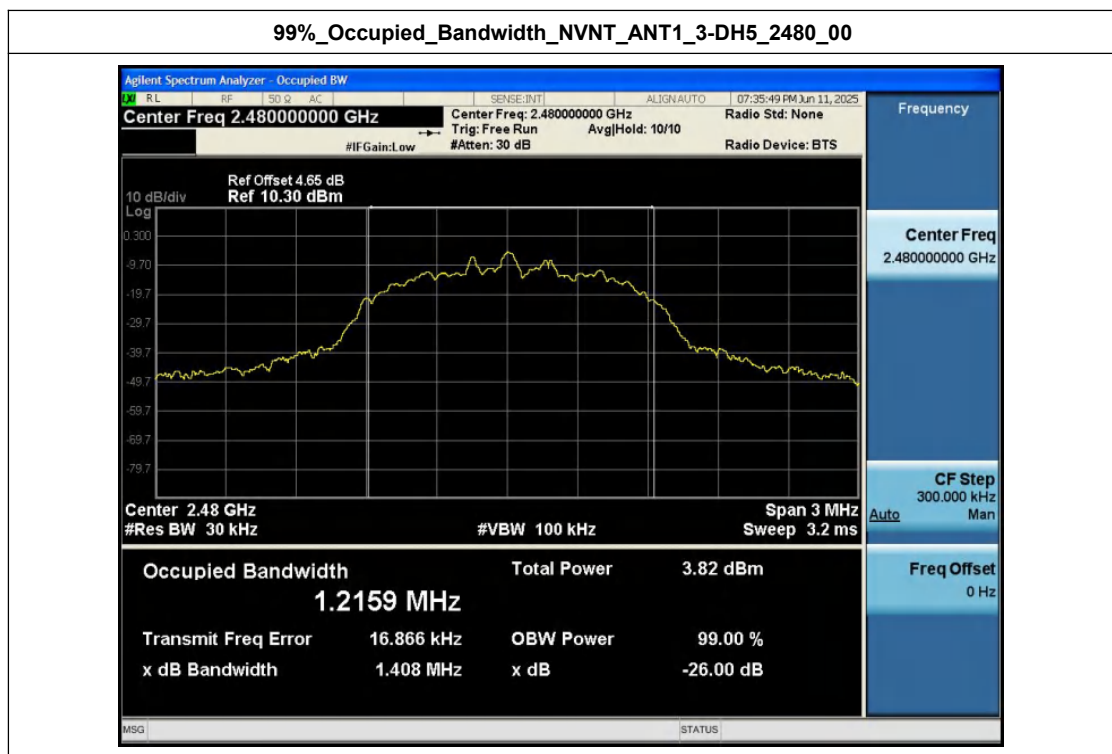
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



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	-0.21	0.95	125	Pass
NVNT	ANT1	1-DH5	2441.00	-1.17	0.76	125	Pass
NVNT	ANT1	1-DH5	2480.00	-3.02	0.50	125	Pass
NVNT	ANT1	2-DH5	2402.00	0.55	1.14	125	Pass
NVNT	ANT1	2-DH5	2441.00	-0.75	0.84	125	Pass
NVNT	ANT1	2-DH5	2480.00	-2.19	0.60	125	Pass
NVNT	ANT1	3-DH5	2402.00	0.75	1.19	125	Pass
NVNT	ANT1	3-DH5	2441.00	-0.52	0.89	125	Pass
NVNT	ANT1	3-DH5	2480.00	-1.94	0.64	125	Pass

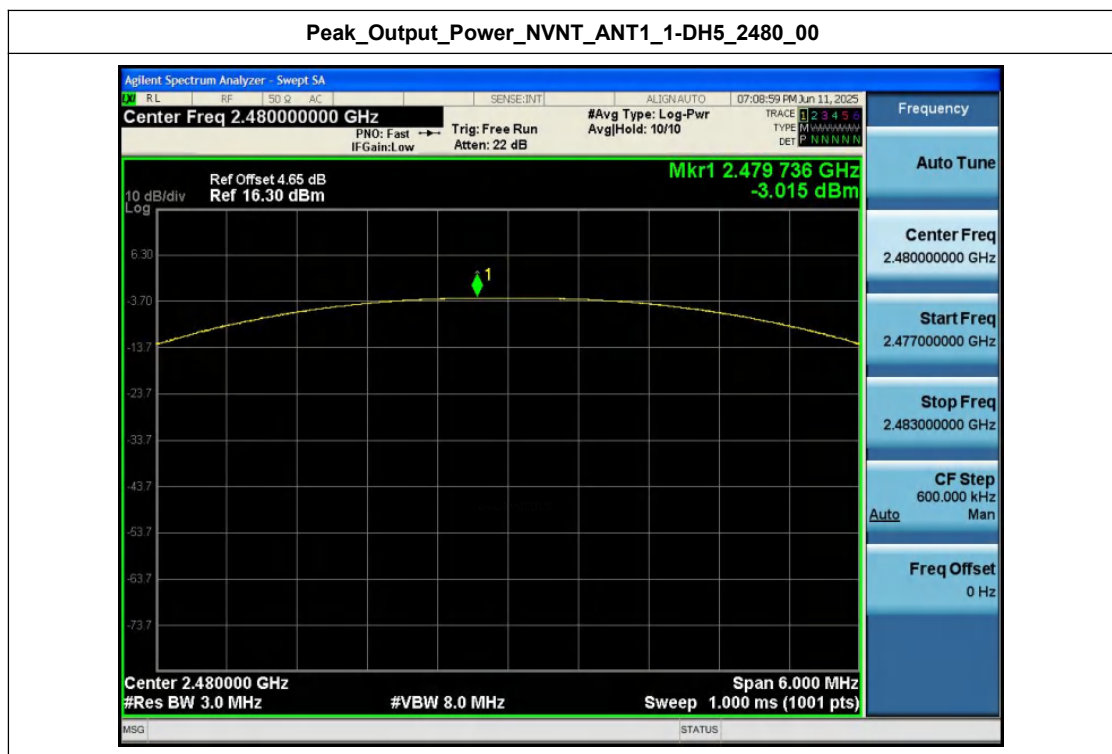
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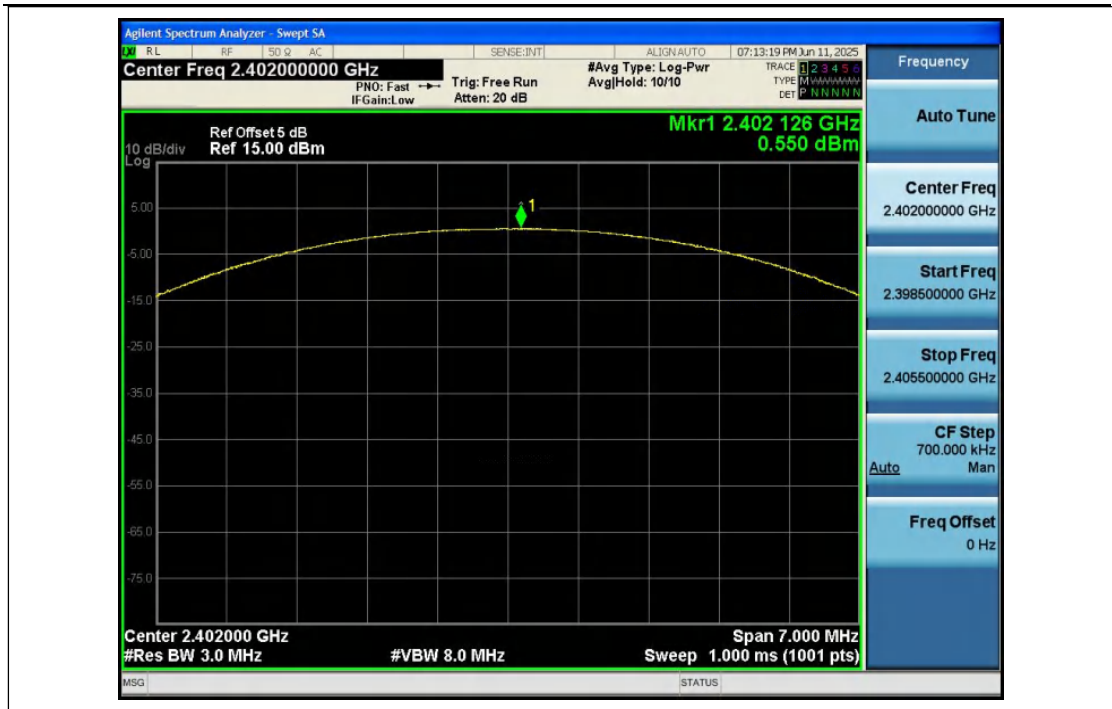
Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



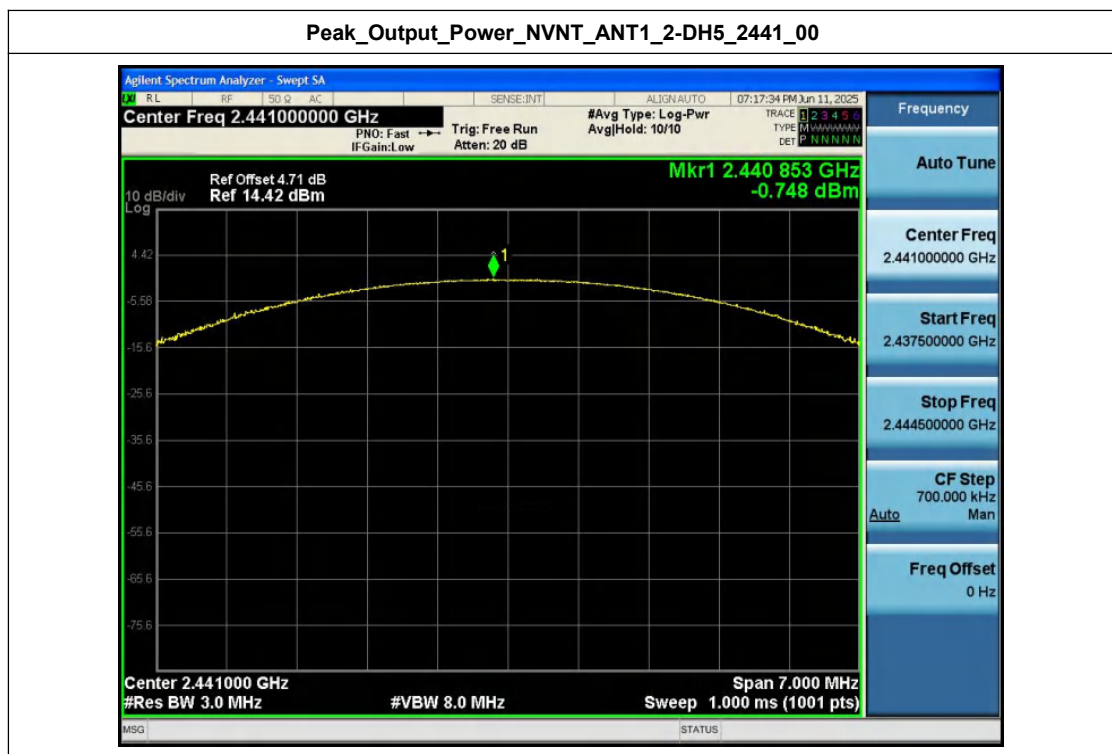
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



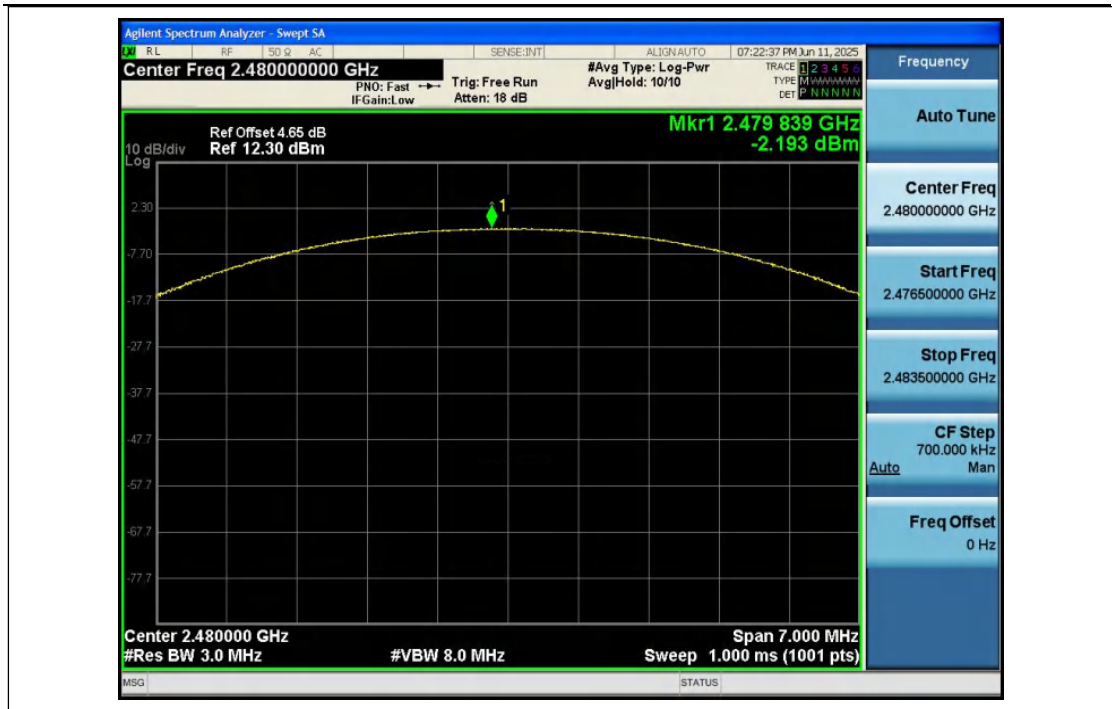
Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



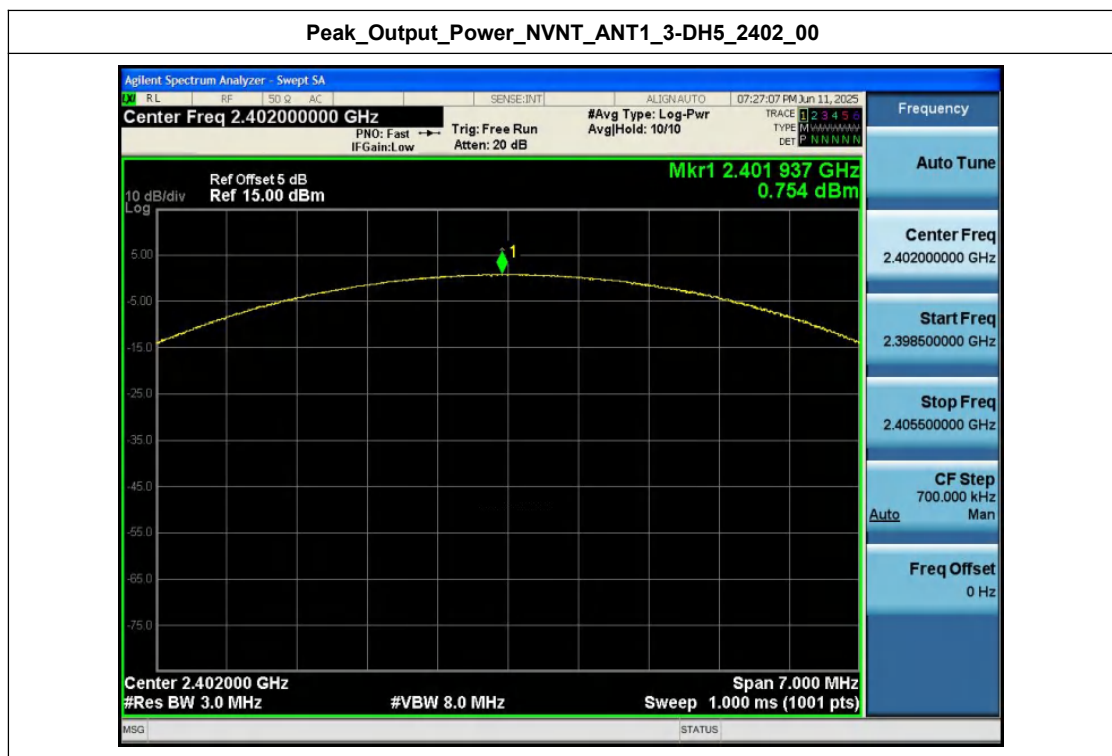
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Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



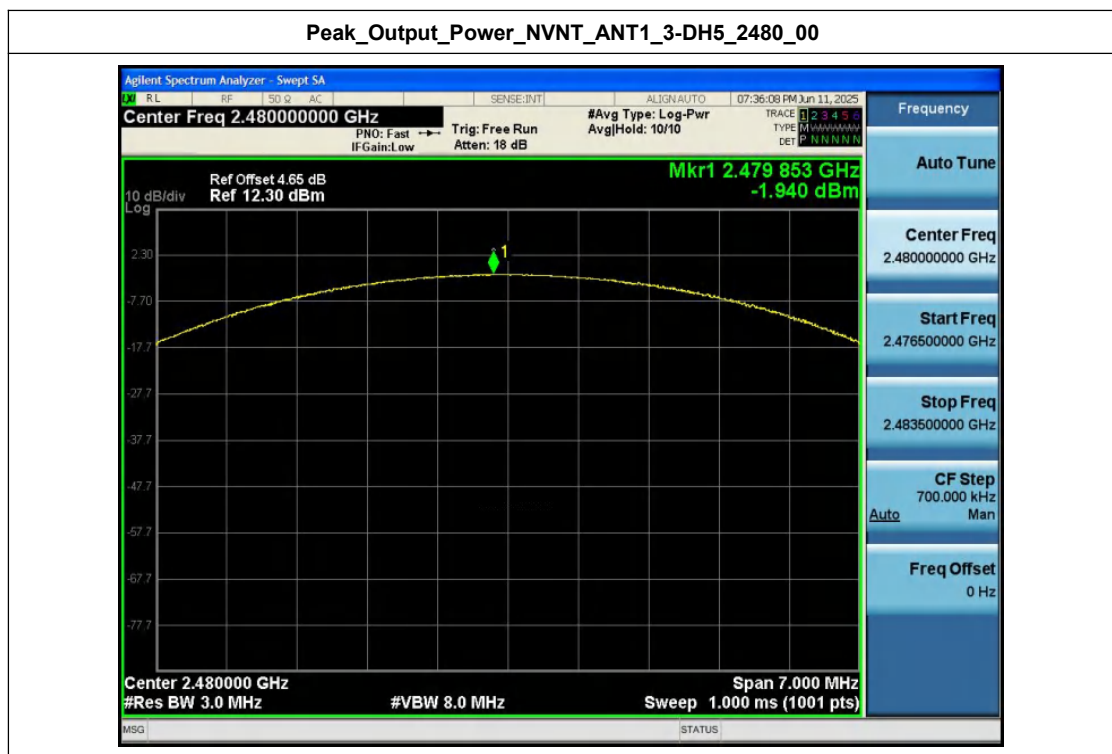
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



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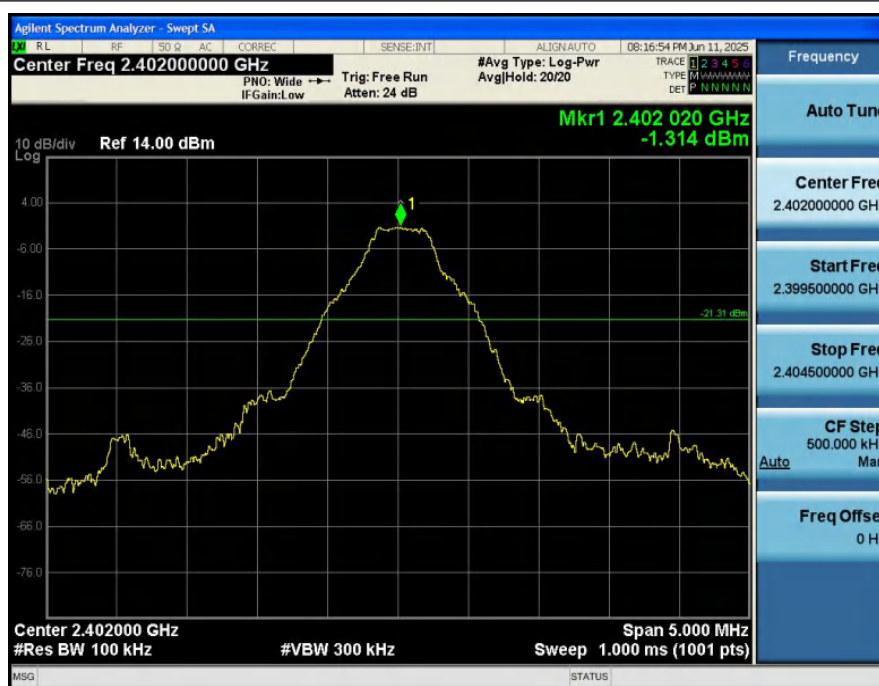
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Appendix E: Spurious Emissions

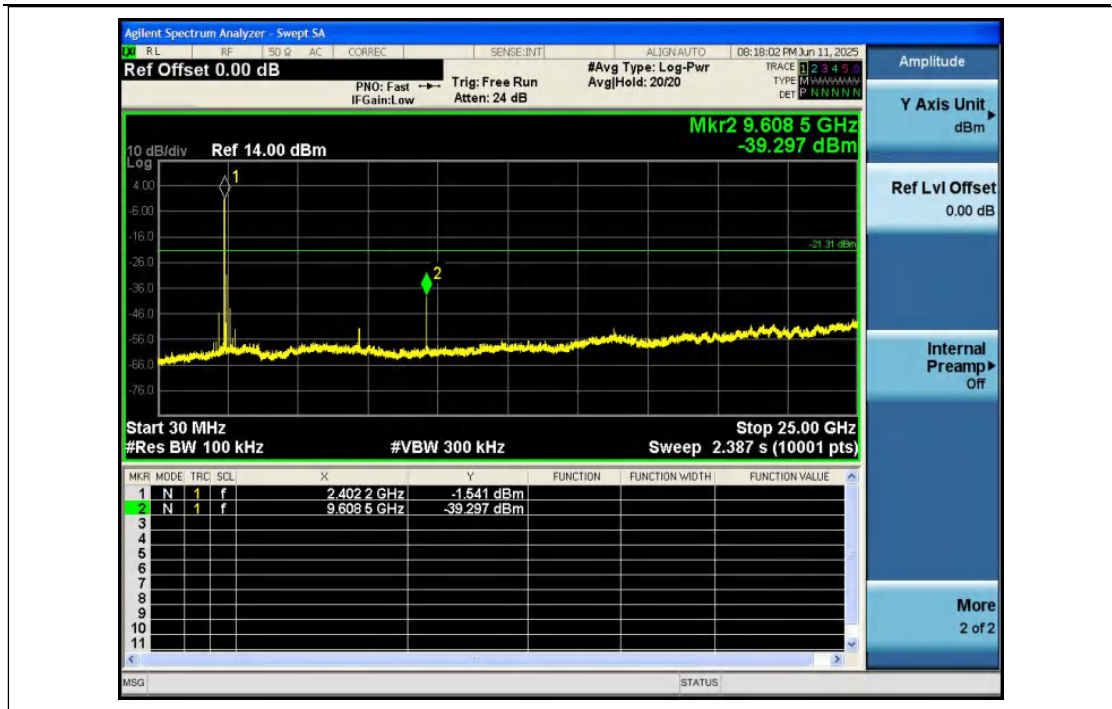
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-1.314	-39.297	-21.314	Pass
NVNT	ANT1	1-DH5	2441.00	-2.170	-39.841	-22.170	Pass
NVNT	ANT1	1-DH5	2480.00	-3.400	-40.781	-23.400	Pass
NVNT	ANT1	2-DH5	2402.00	-1.170	-41.348	-21.170	Pass
NVNT	ANT1	2-DH5	2441.00	-2.653	-40.856	-22.653	Pass
NVNT	ANT1	2-DH5	2480.00	-3.957	-39.670	-23.957	Pass
NVNT	ANT1	3-DH5	2402.00	-0.776	-41.011	-20.776	Pass
NVNT	ANT1	3-DH5	2441.00	-3.119	-41.382	-23.119	Pass
NVNT	ANT1	3-DH5	2480.00	-3.473	-39.524	-23.473	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.

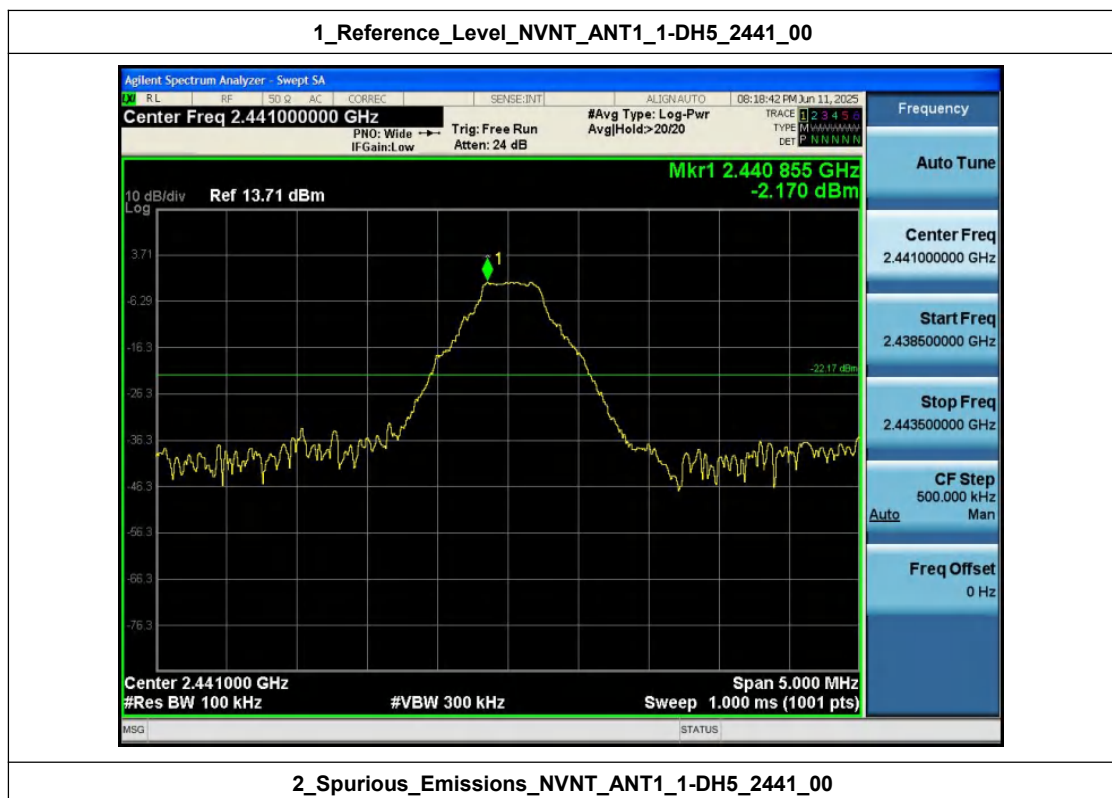
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



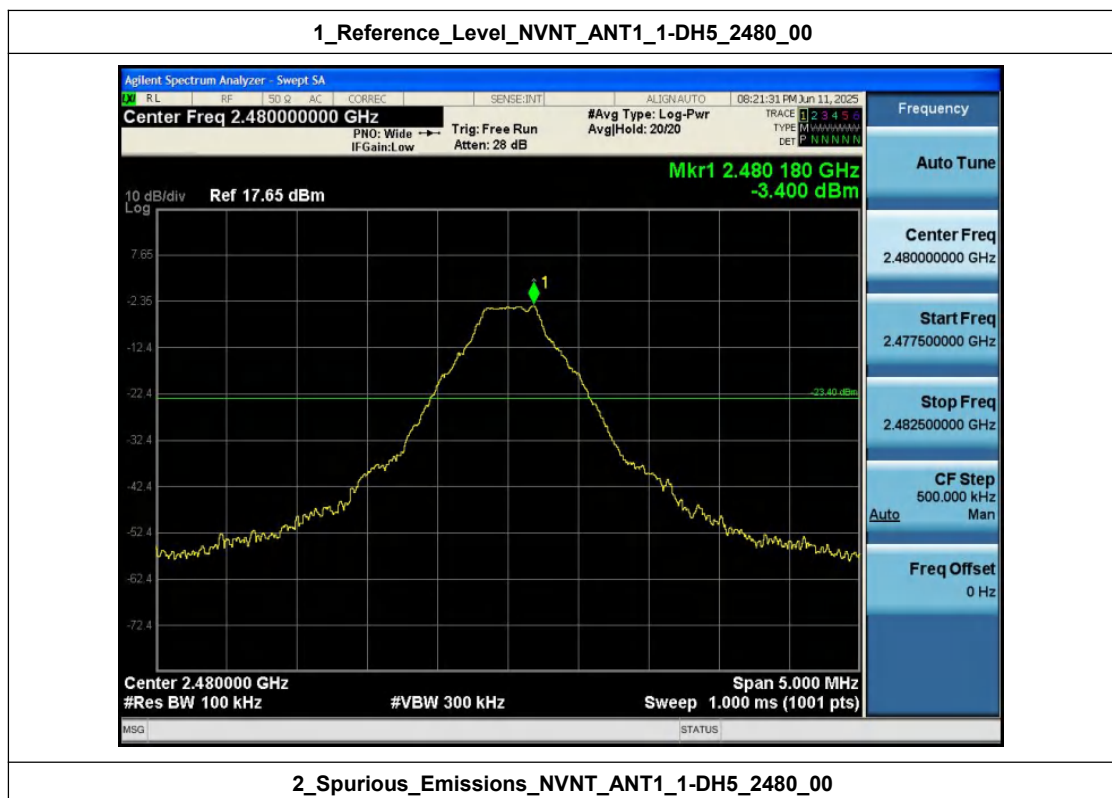
1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



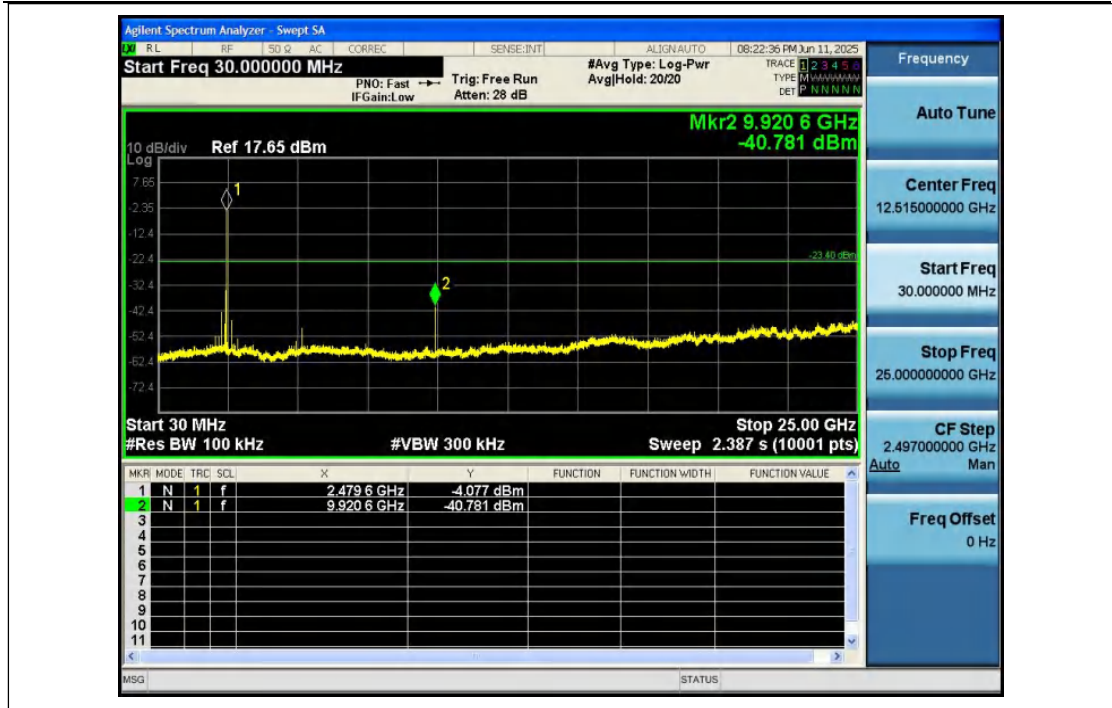
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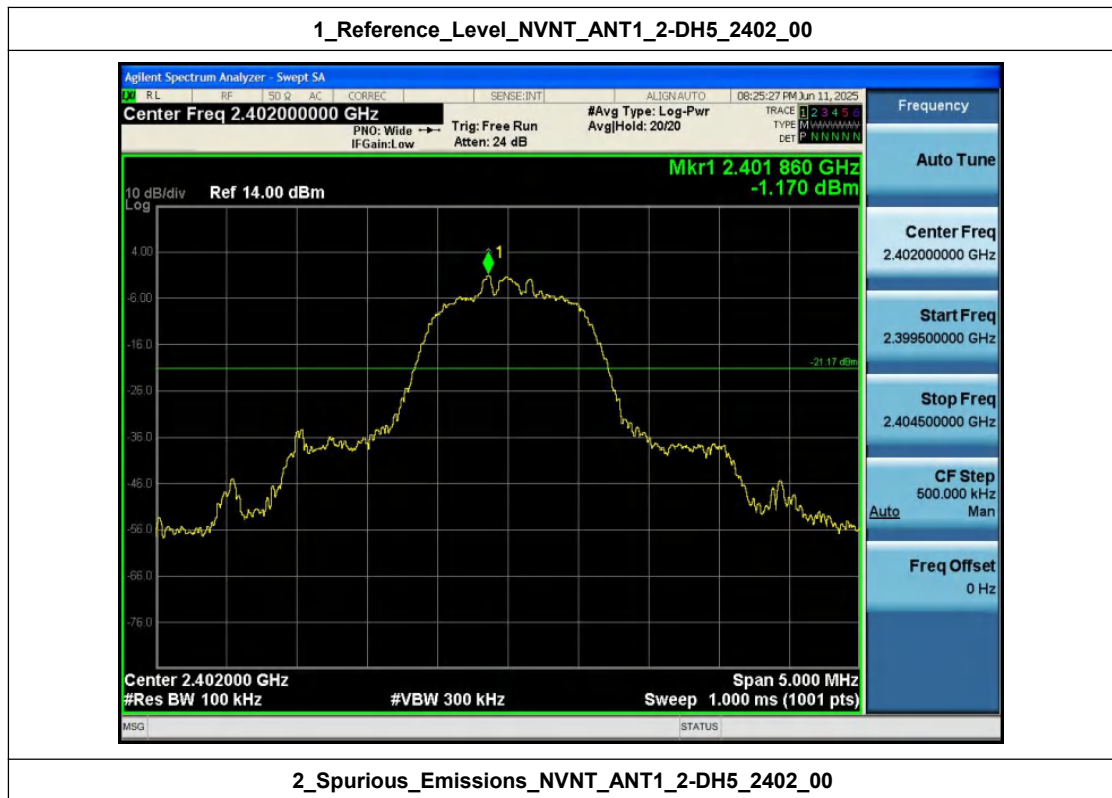
1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



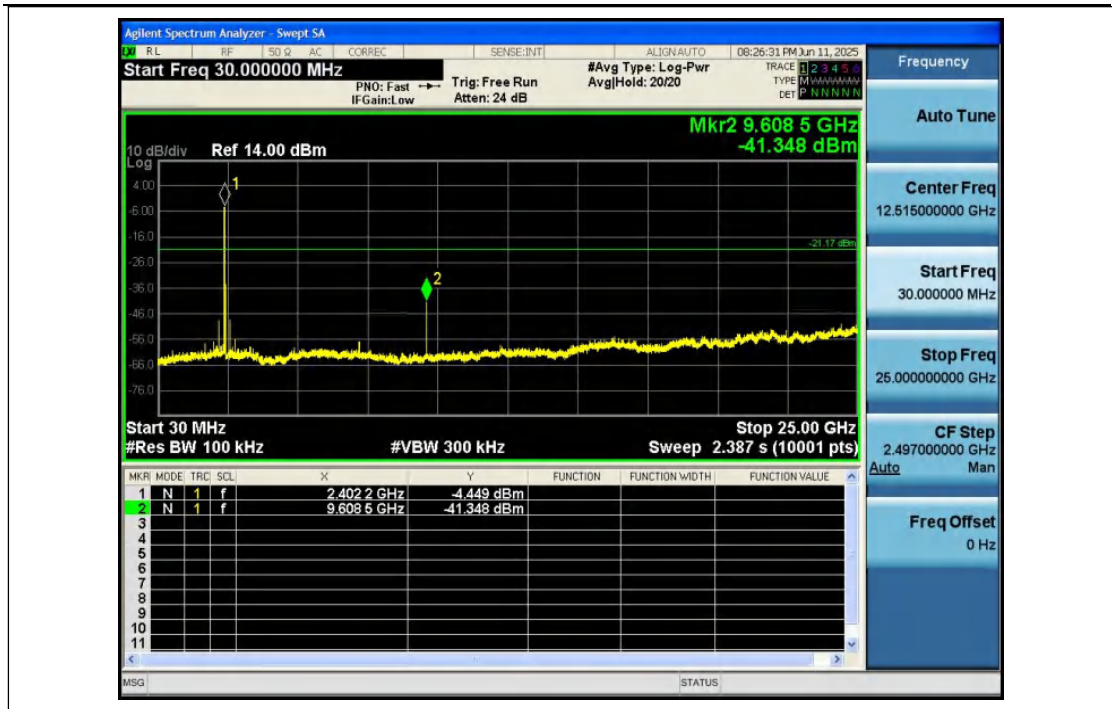
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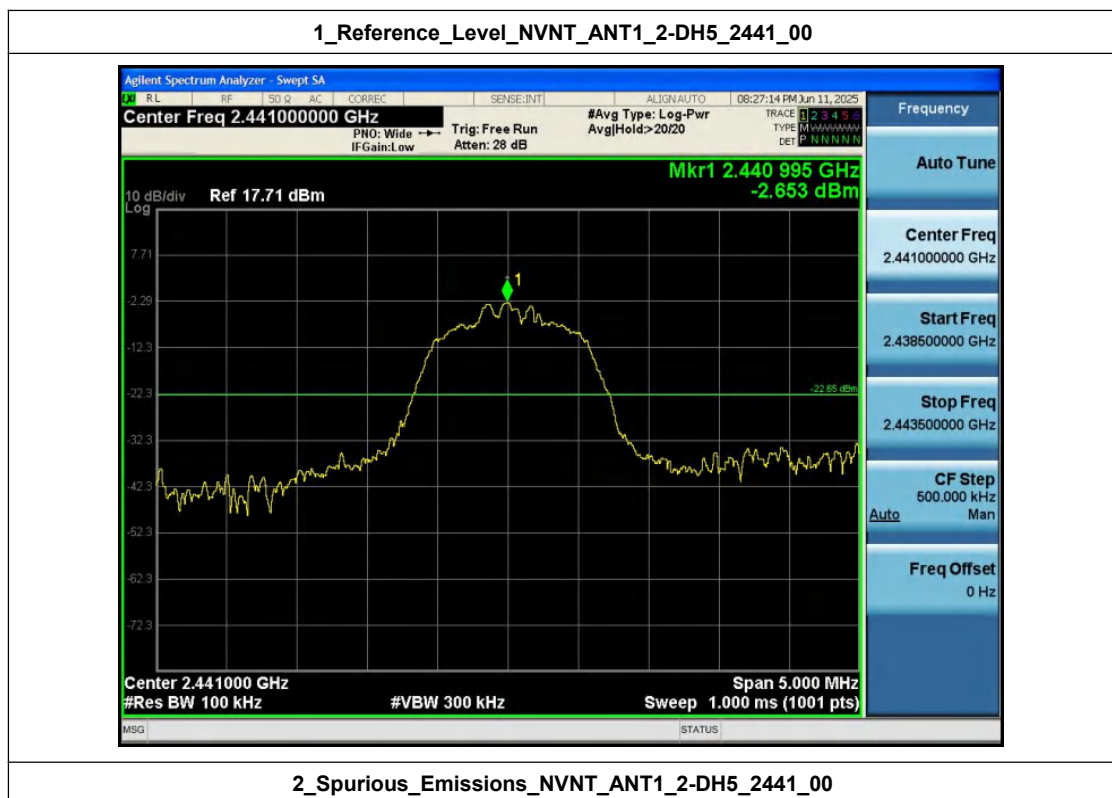
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



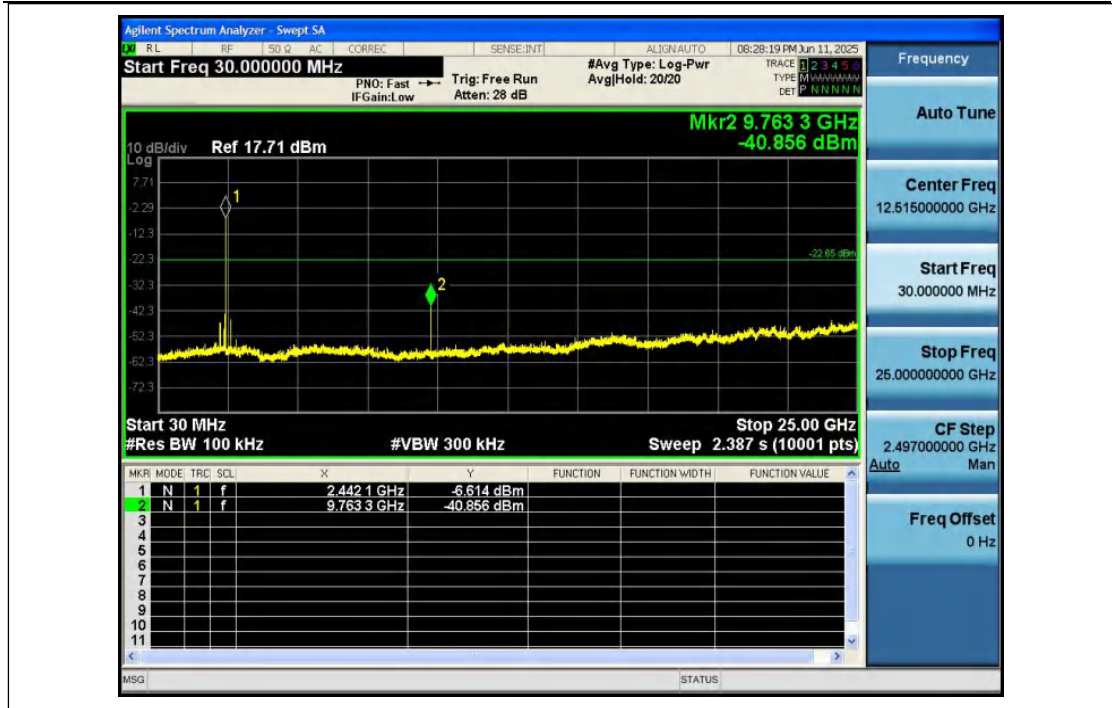
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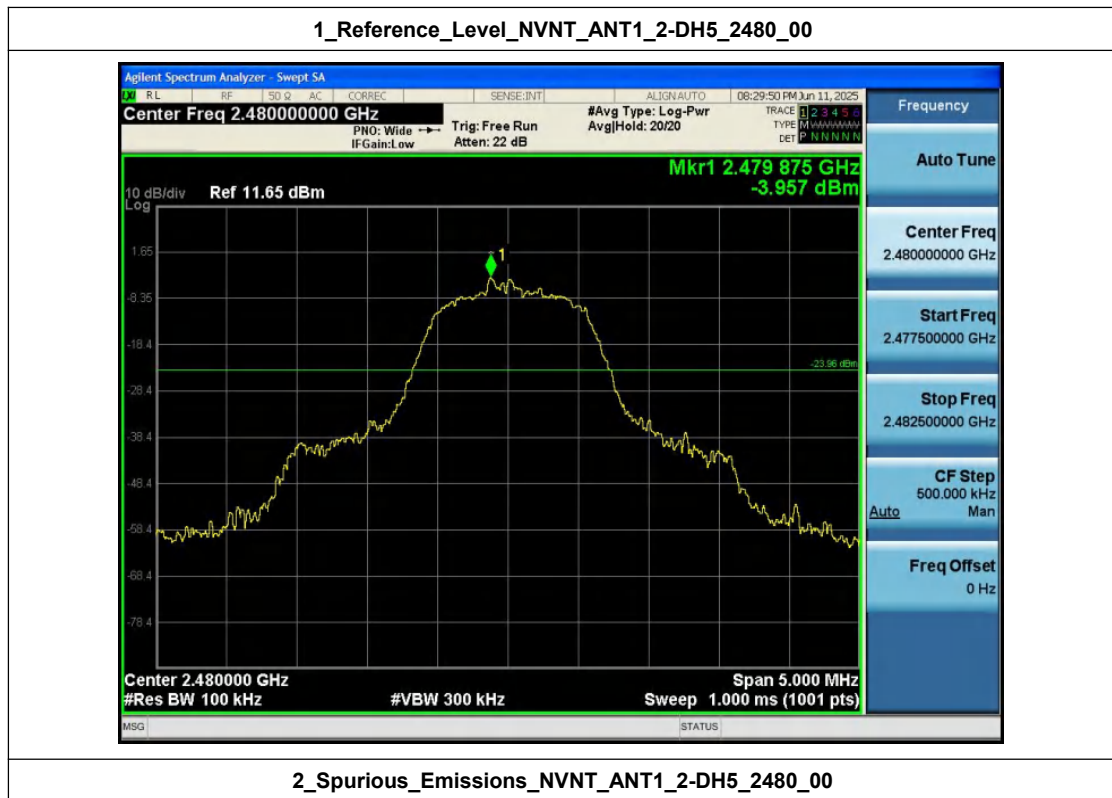
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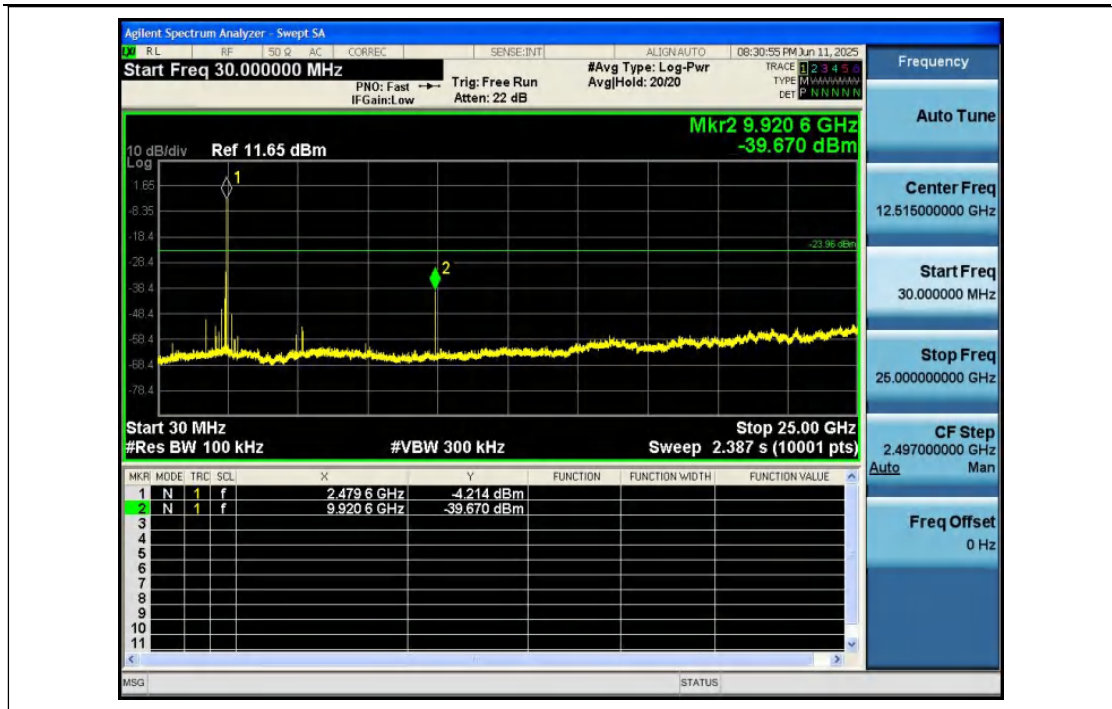
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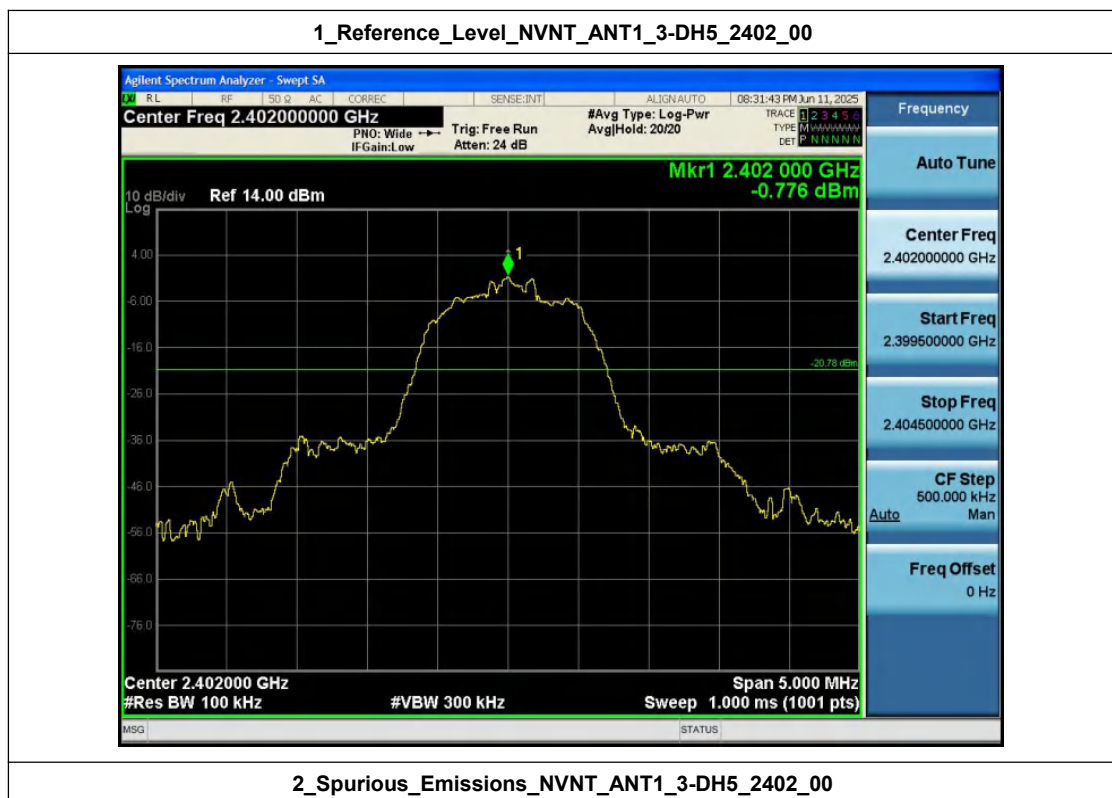
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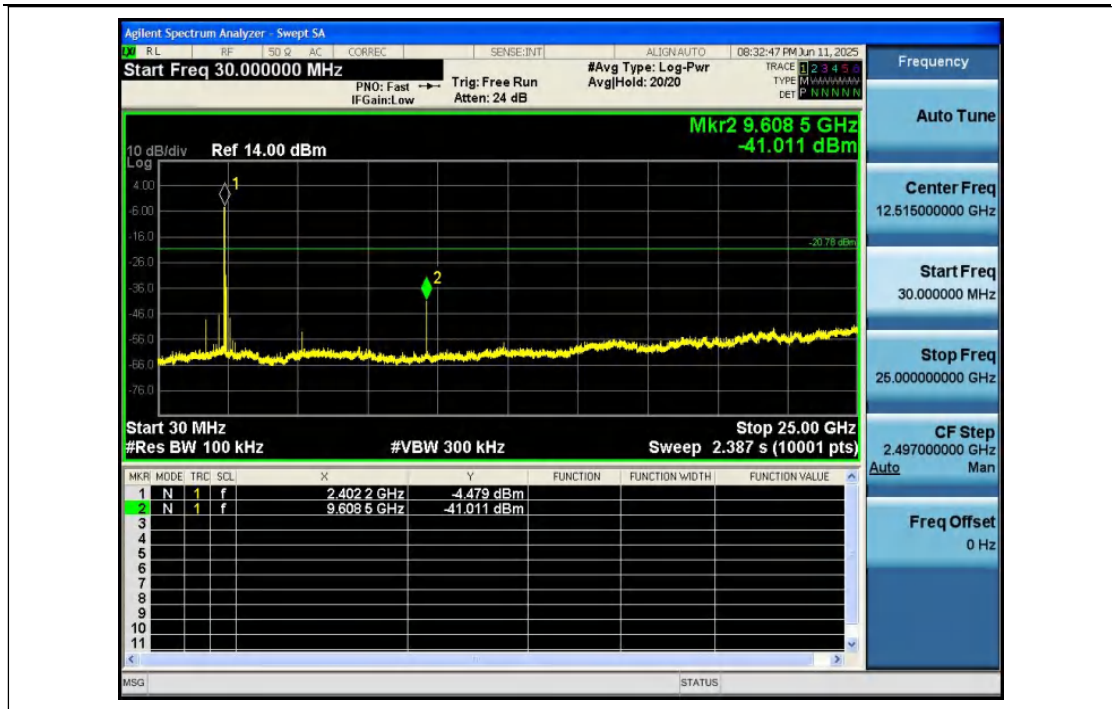
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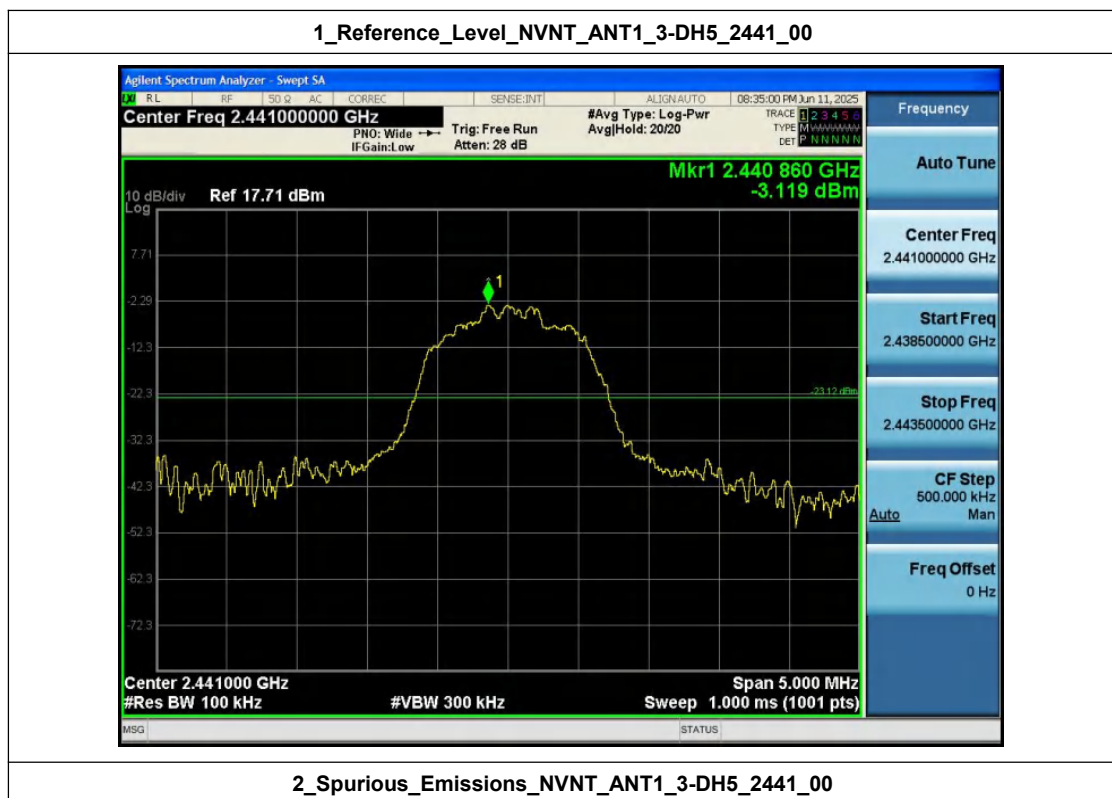
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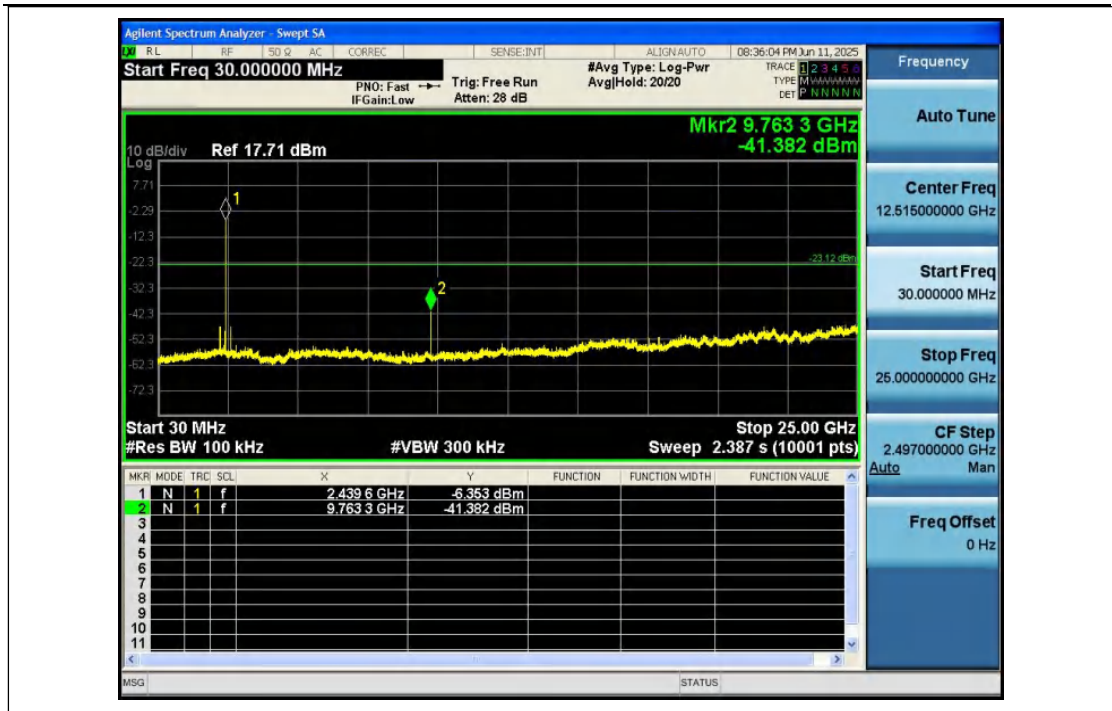
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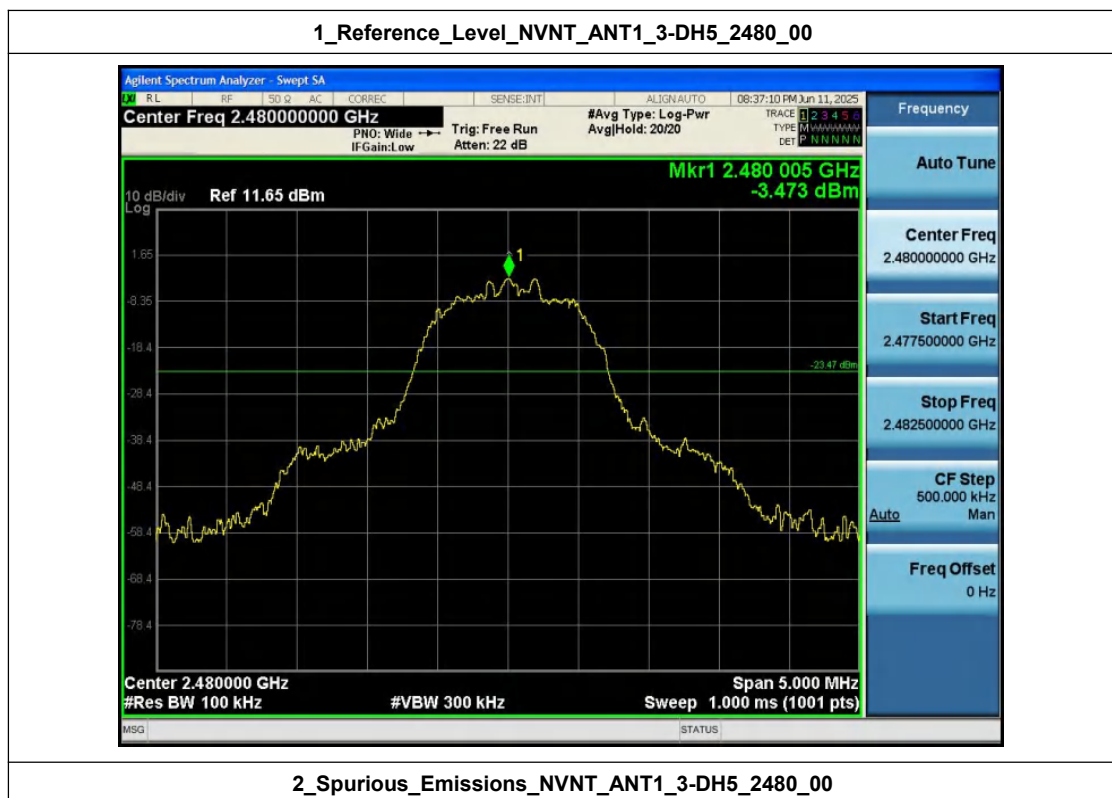
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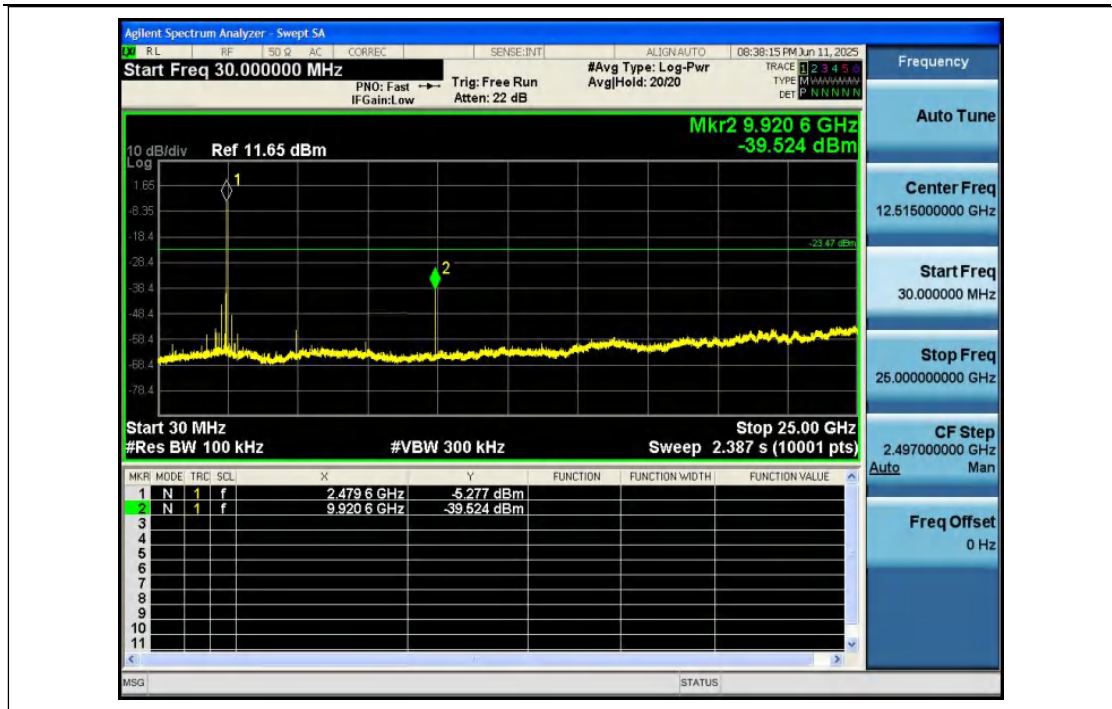
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00



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Appendix F: Bandedge

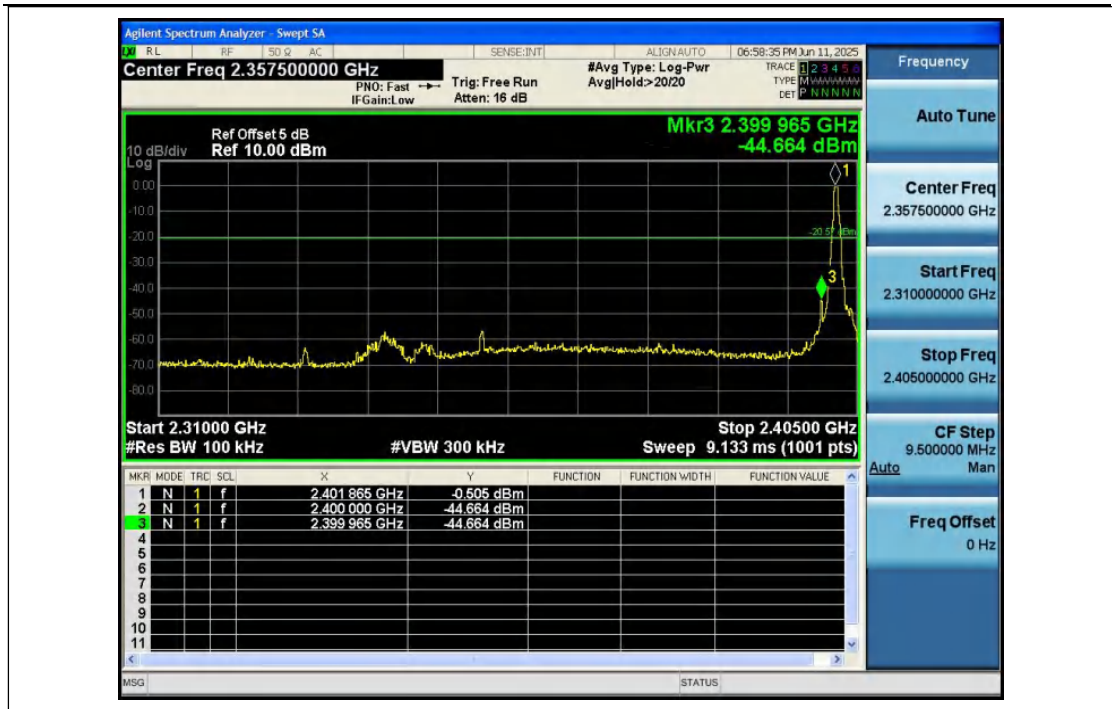
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-0.565	-44.664	-20.565	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-0.473	-51.395	-20.473	Pass
NVNT	ANT1	1-DH5	2480.00	-3.310	-62.898	-23.310	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-4.097	-65.566	-24.097	Pass
NVNT	ANT1	2-DH5	2402.00	-0.225	-43.709	-20.225	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-0.607	-50.446	-20.607	Pass
NVNT	ANT1	2-DH5	2480.00	-3.186	-61.296	-23.186	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-2.525	-69.276	-22.525	Pass
NVNT	ANT1	3-DH5	2402.00	-0.324	-48.593	-20.324	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-0.724	-53.185	-20.724	Pass
NVNT	ANT1	3-DH5	2480.00	-3.300	-63.588	-23.300	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-2.748	-69.399	-22.748	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.

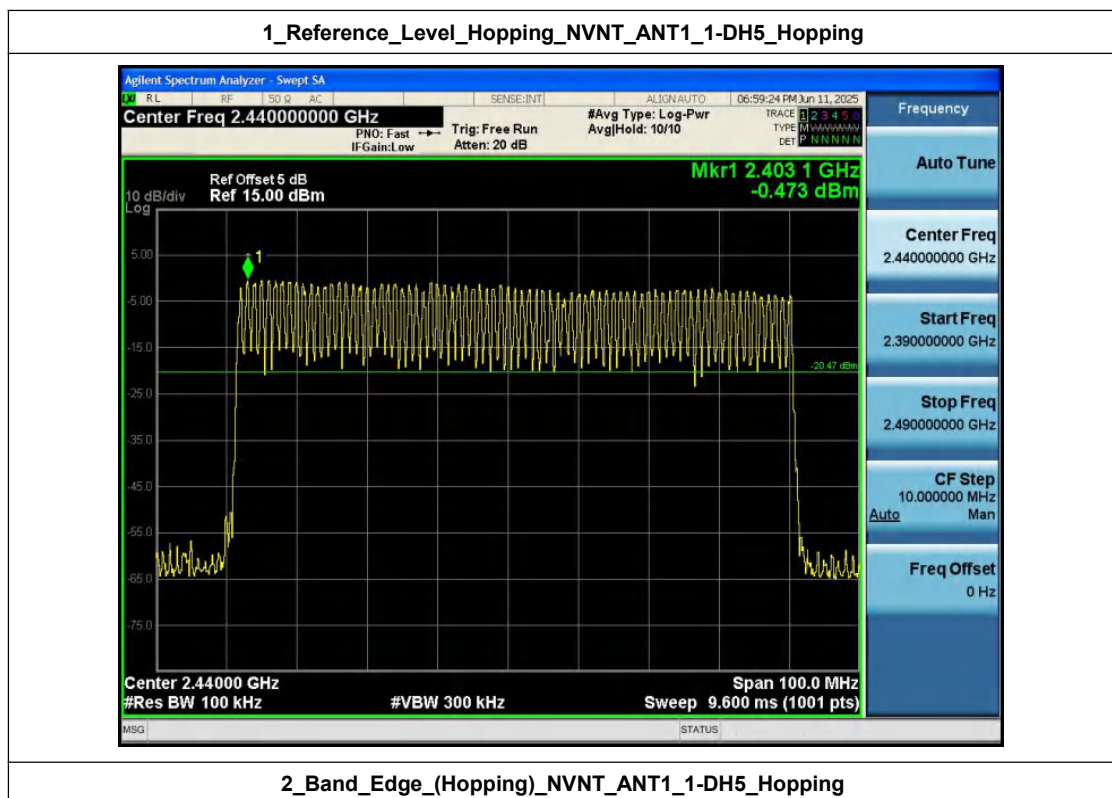
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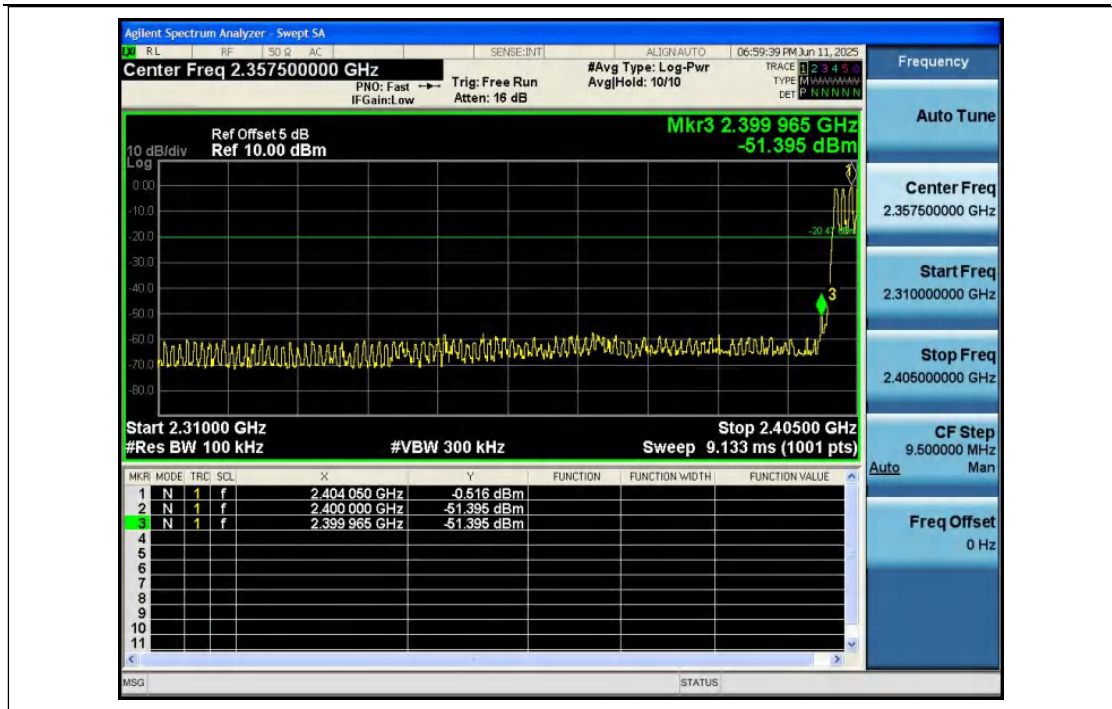
2_Bandedge_NVNT_ANT1_1-DH5_2402_00



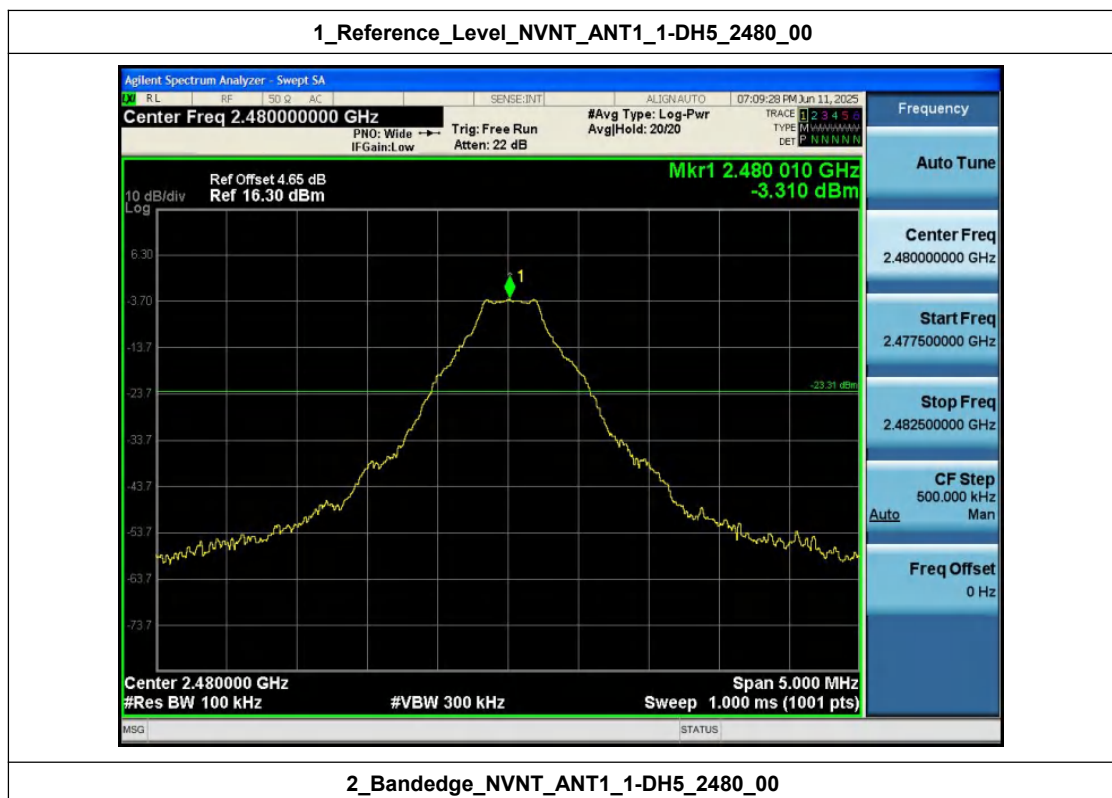
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



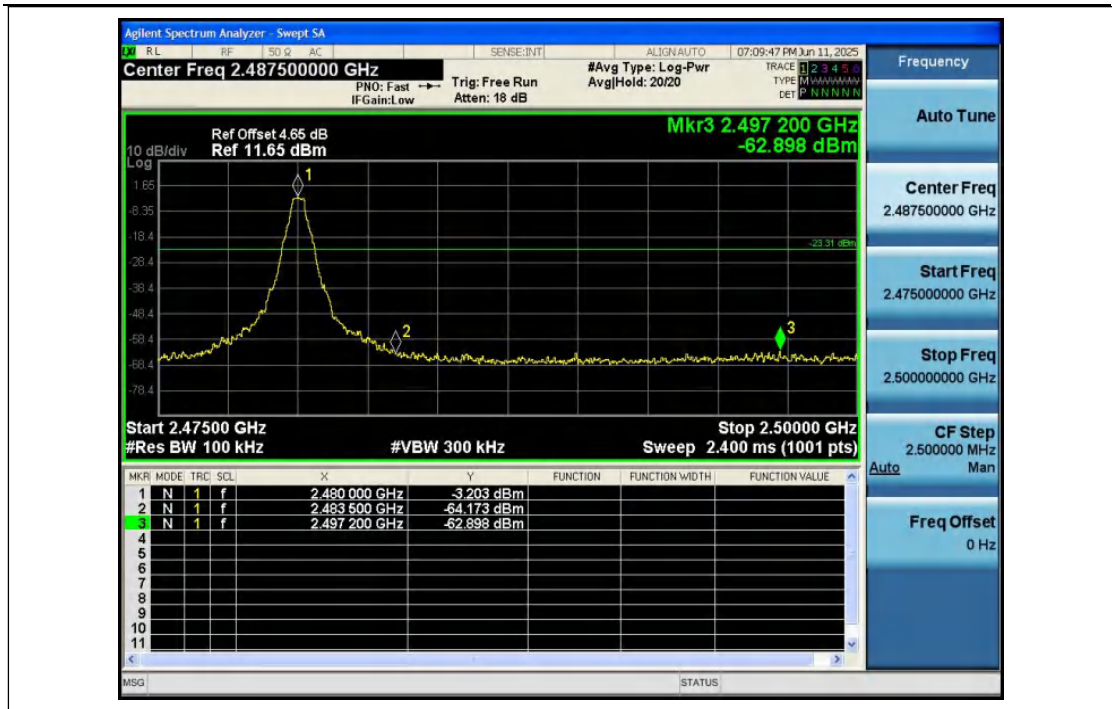
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



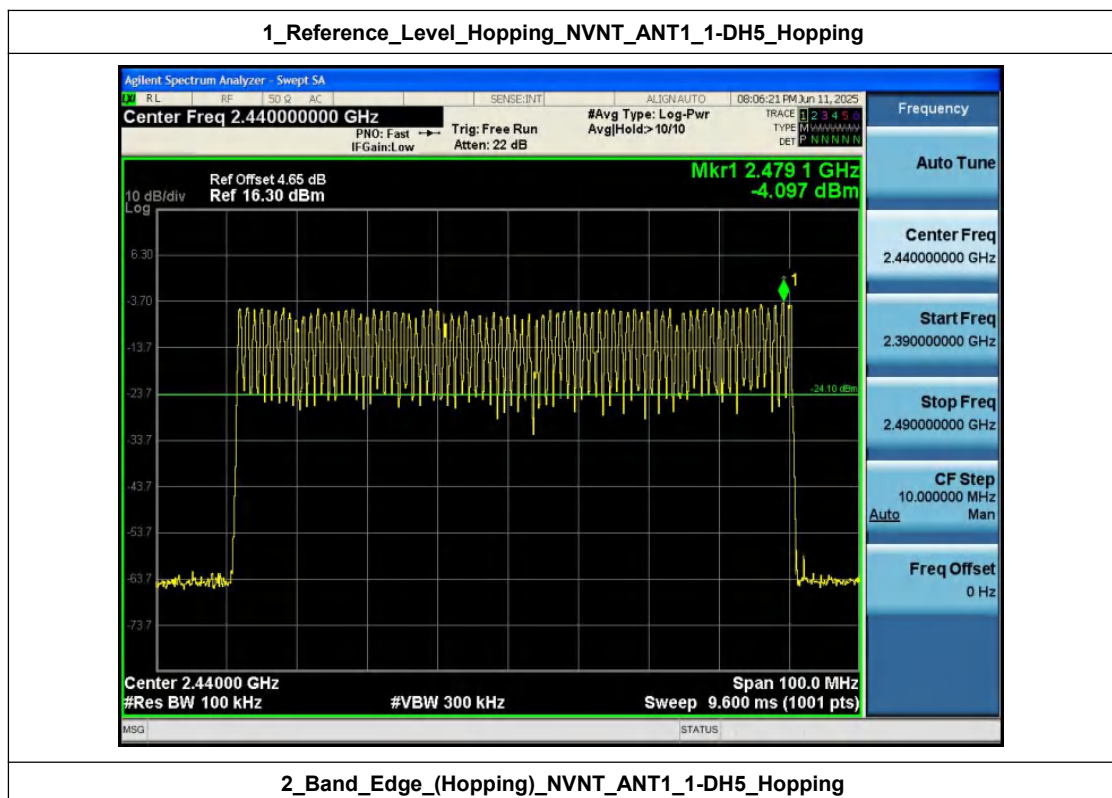
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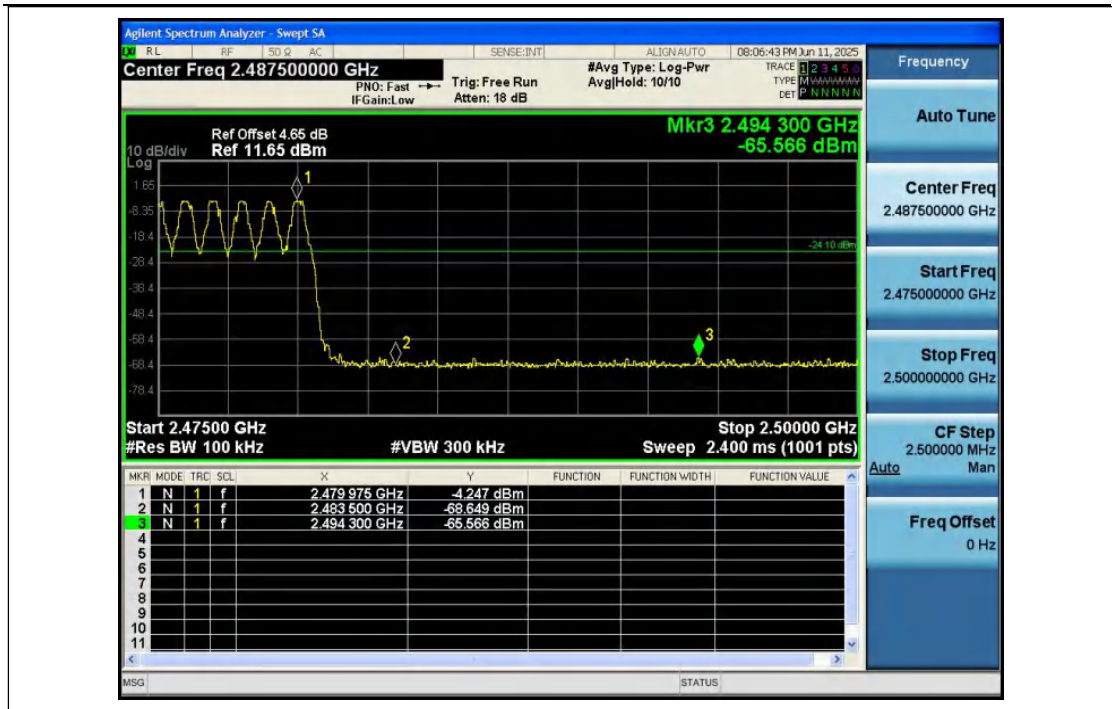
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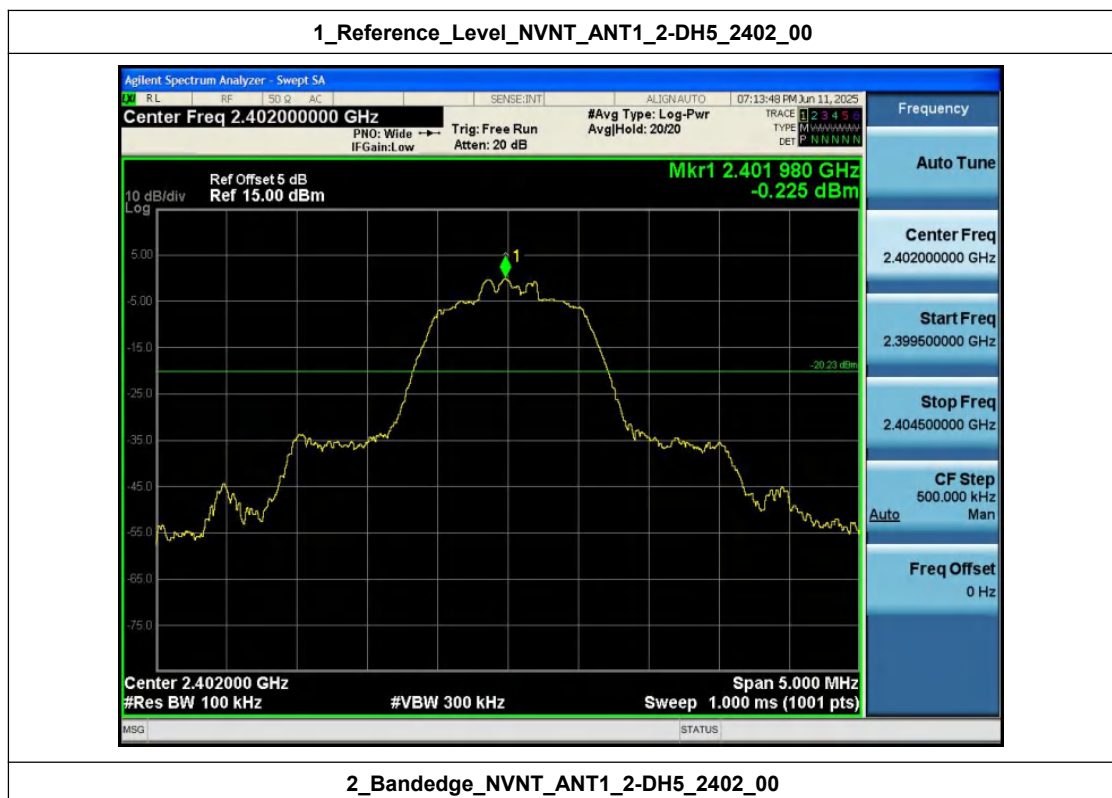
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2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



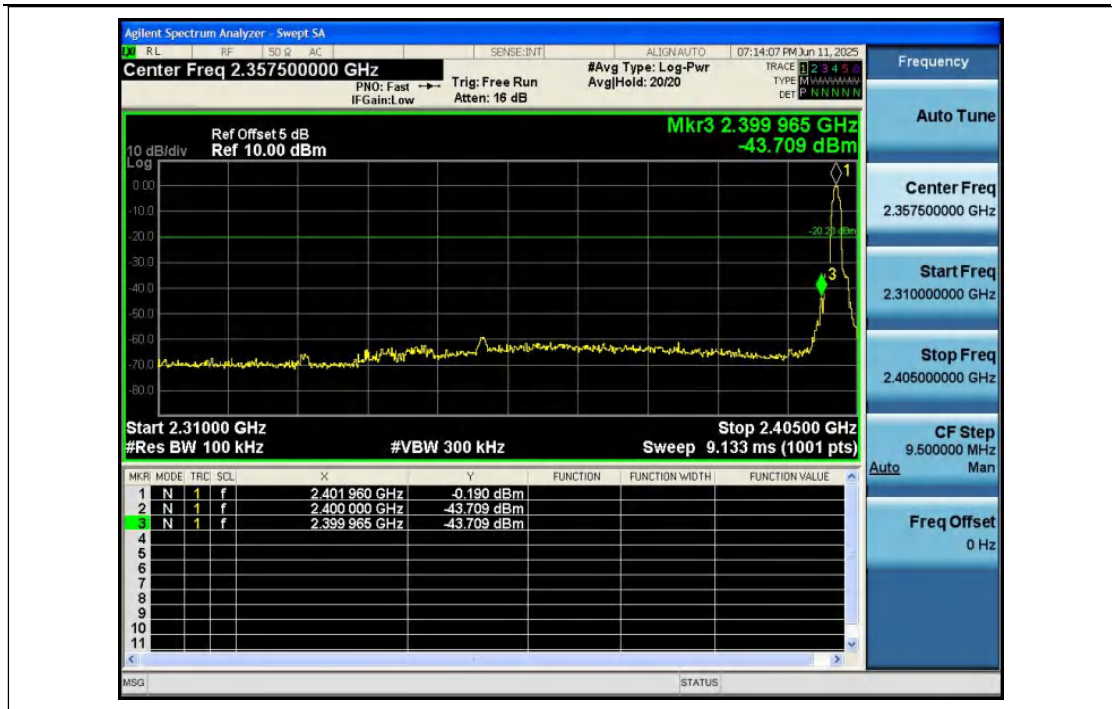
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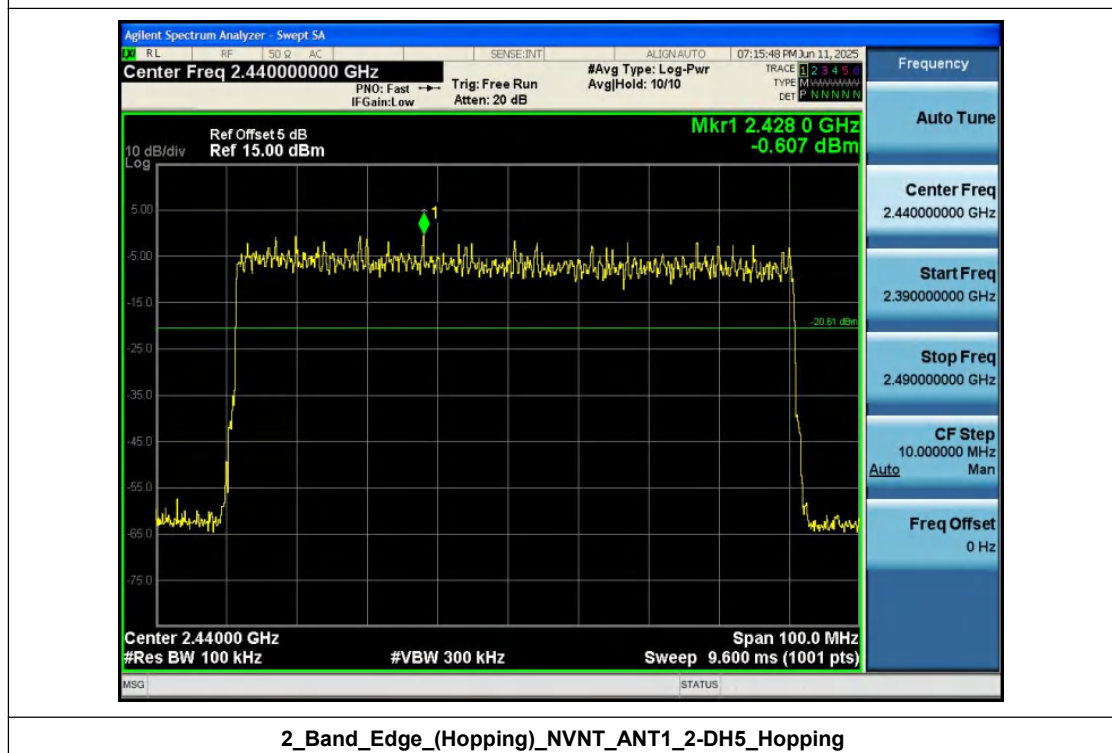
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com



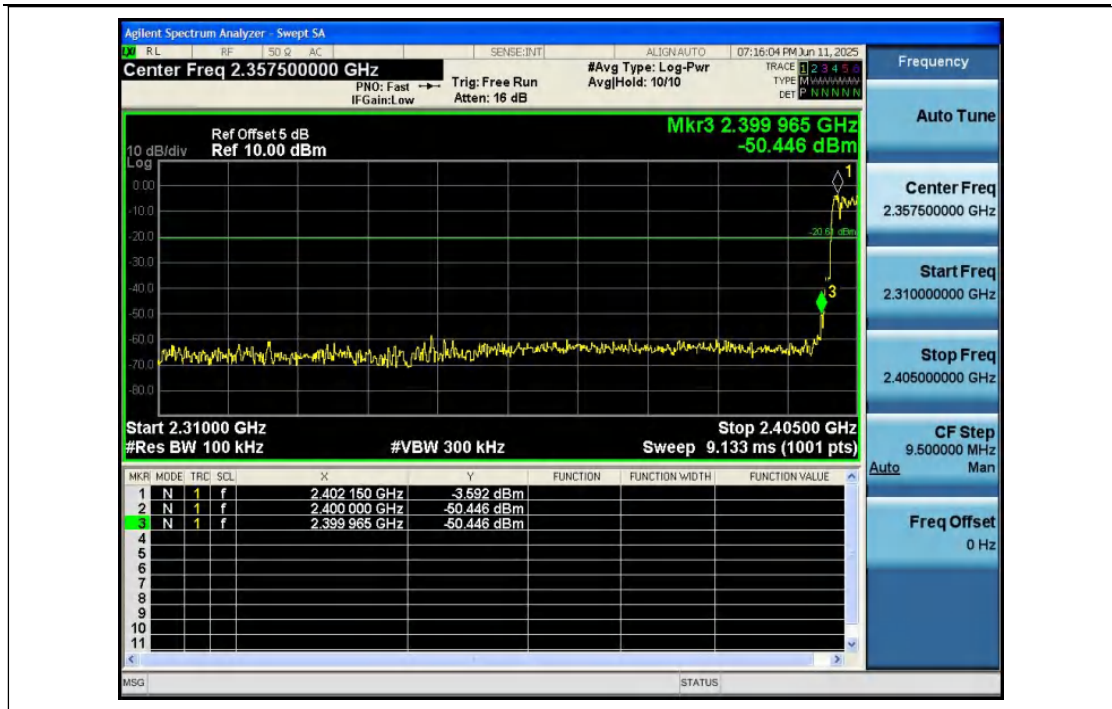
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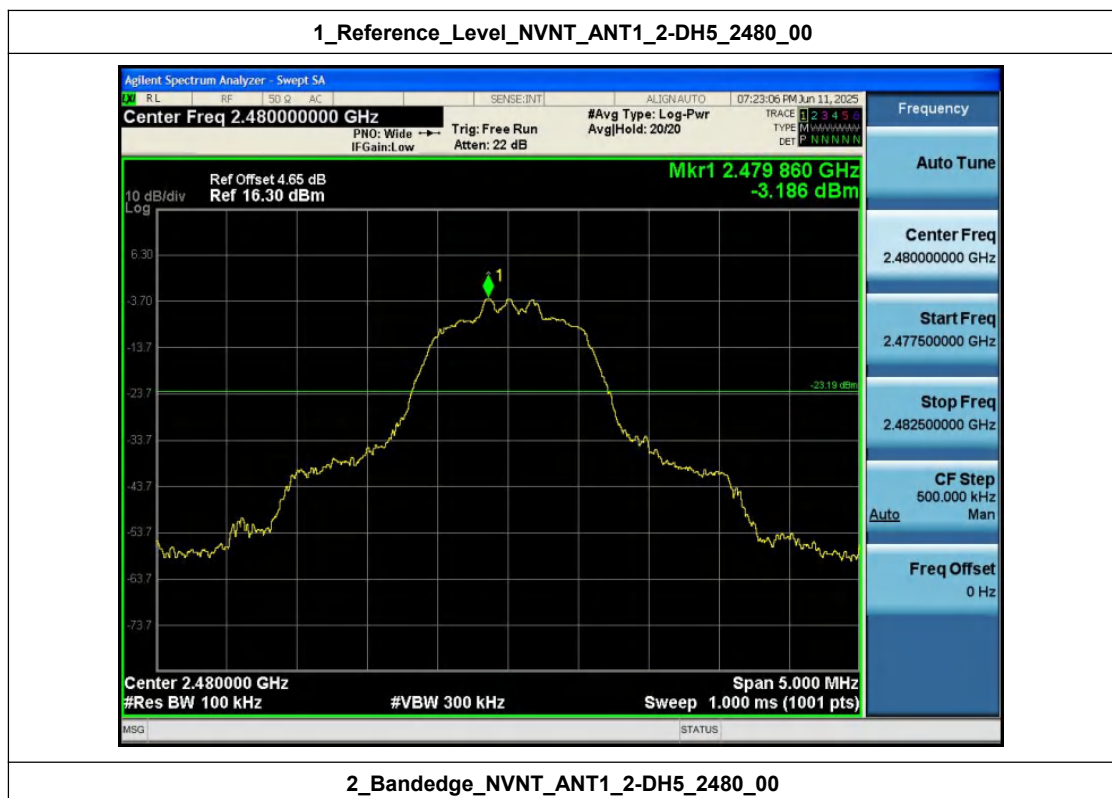
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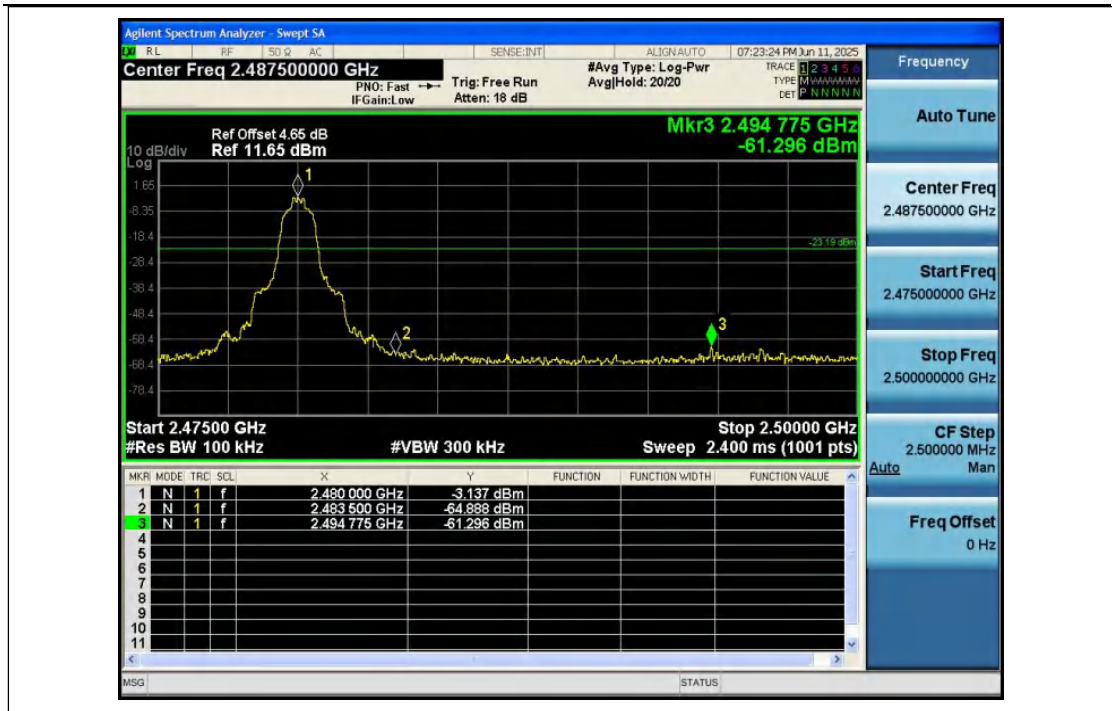
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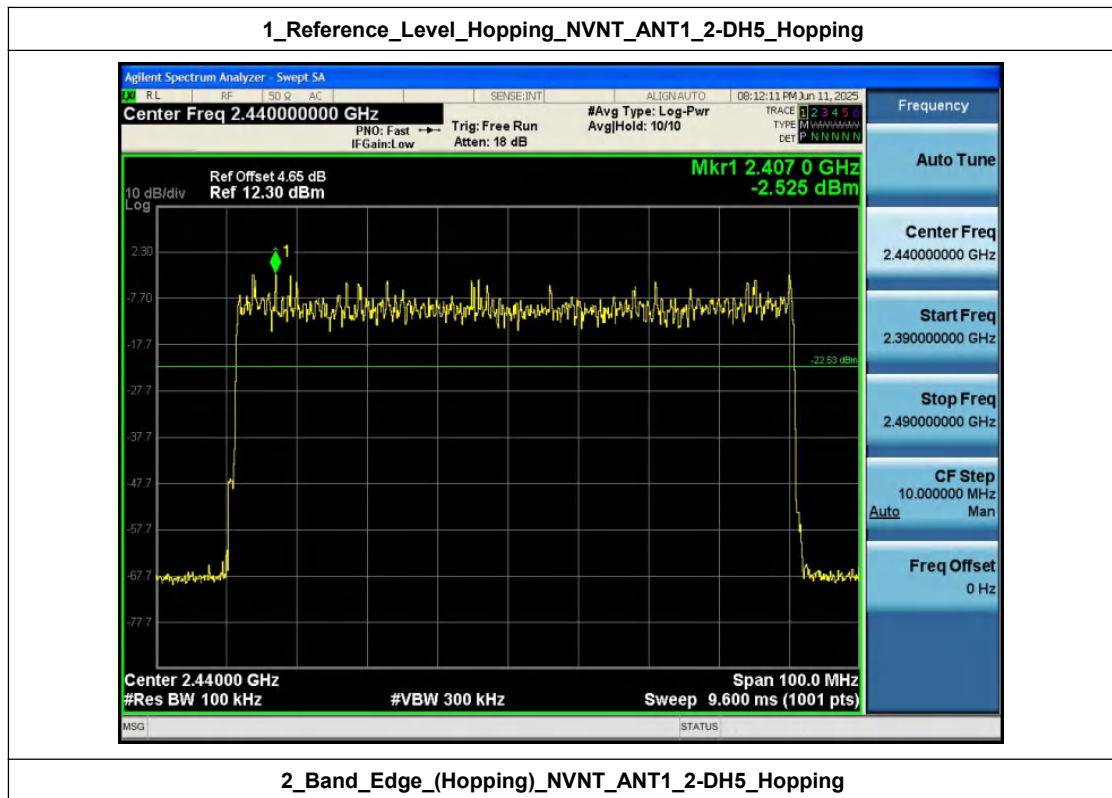
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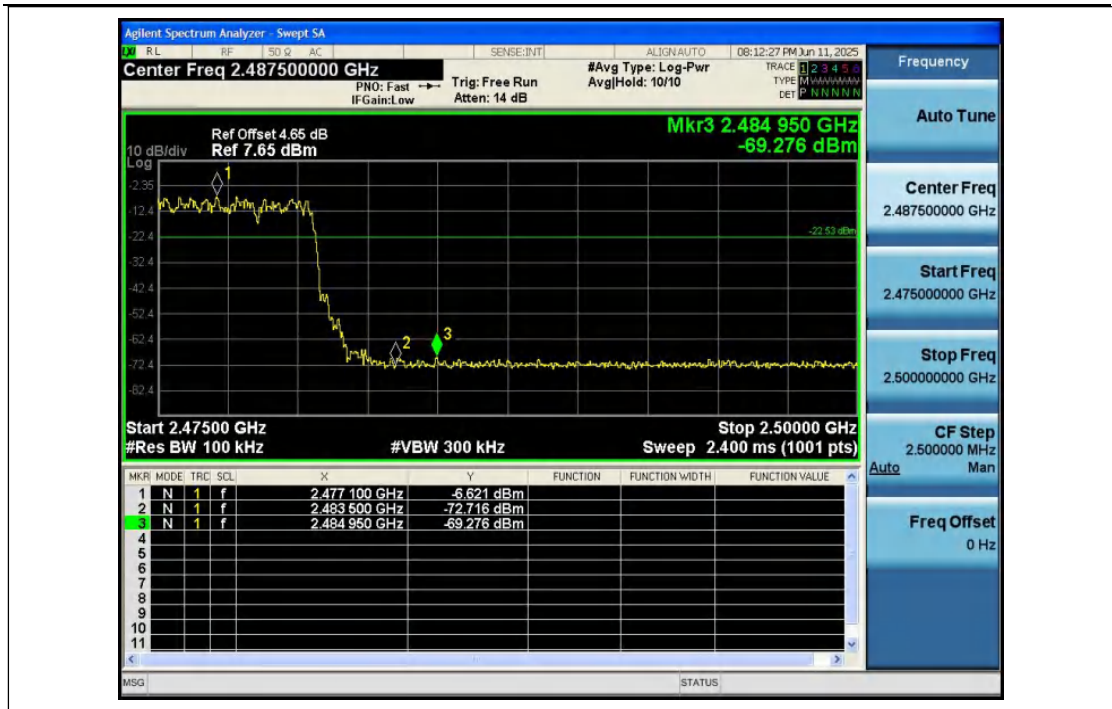
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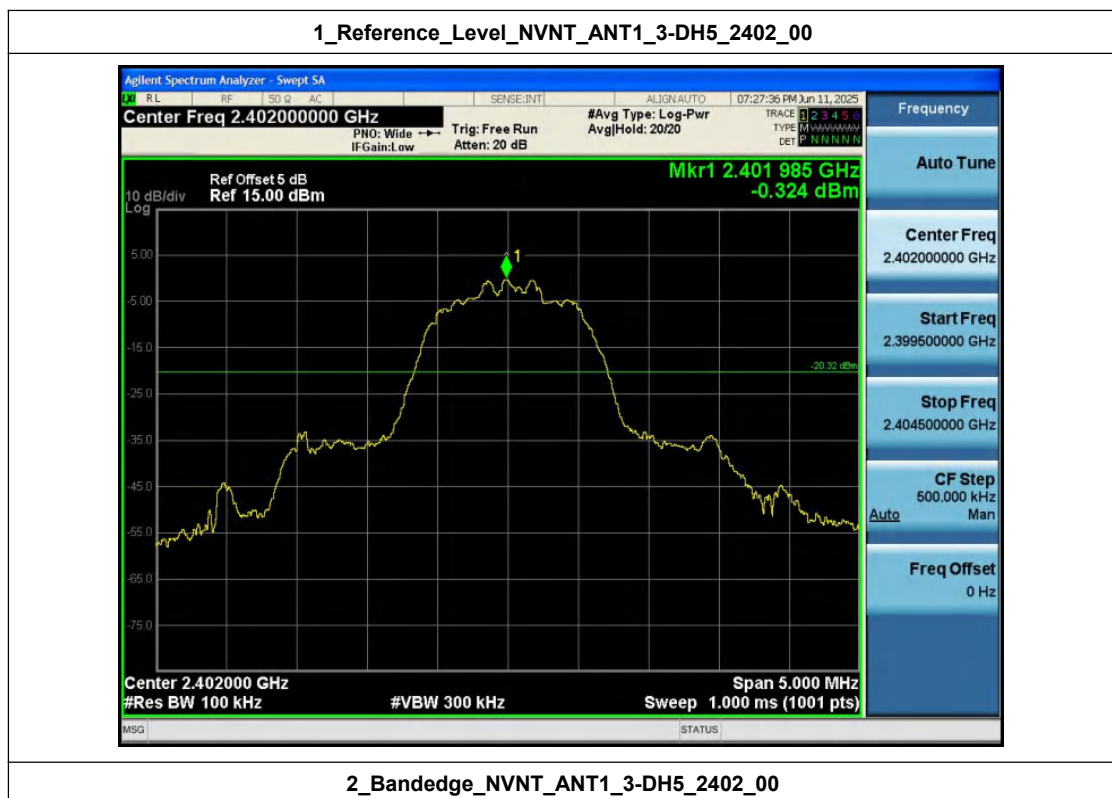
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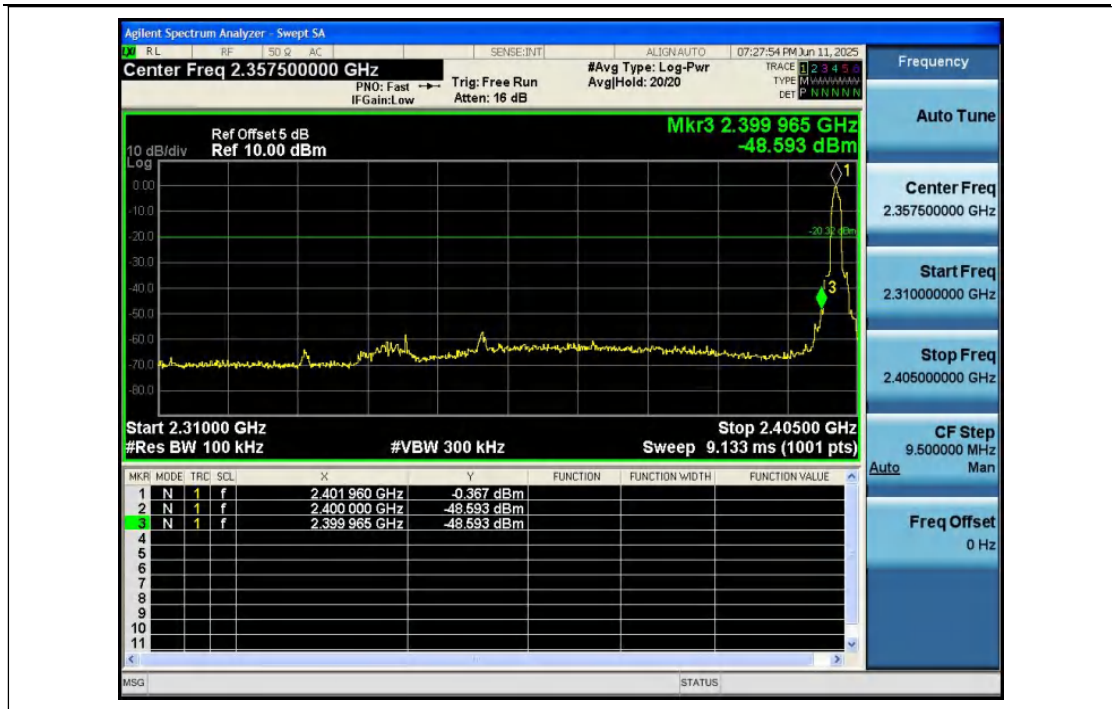
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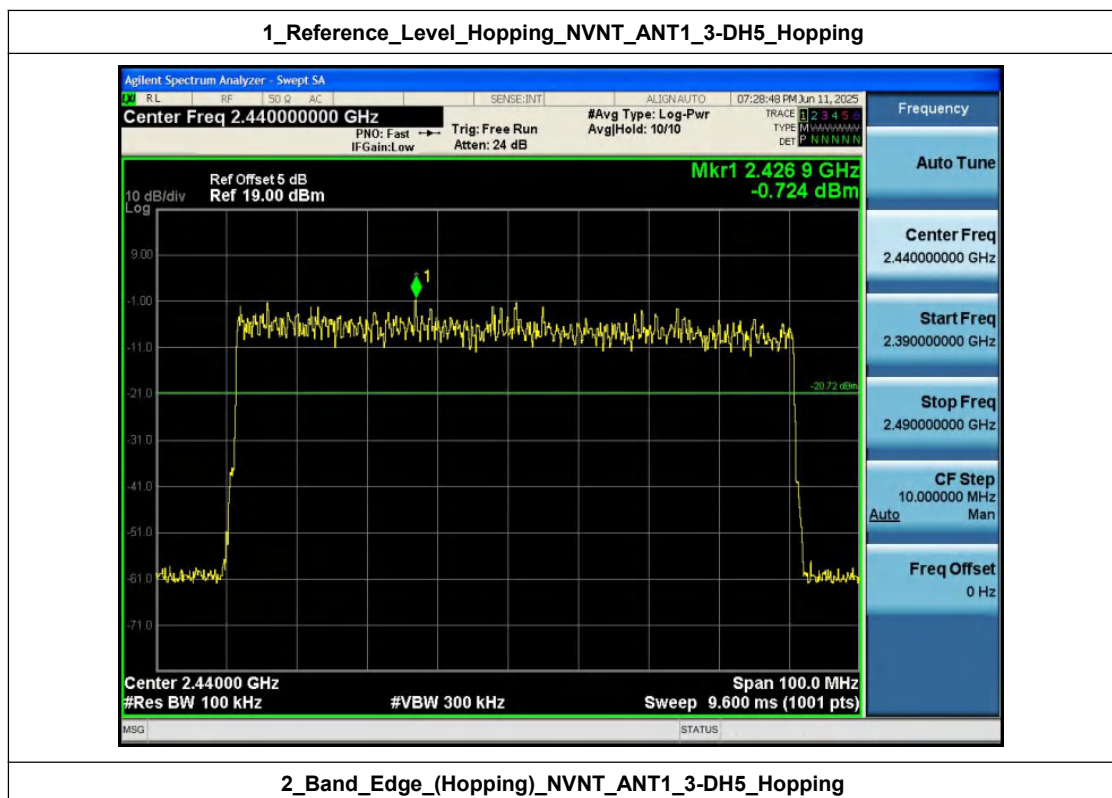
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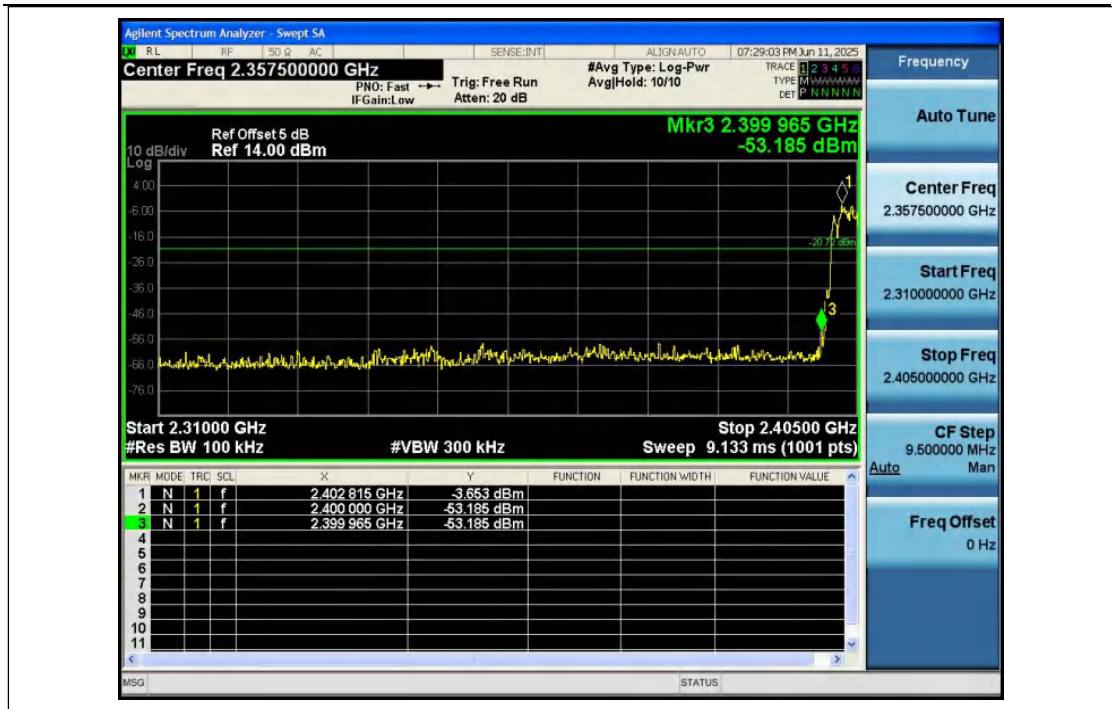
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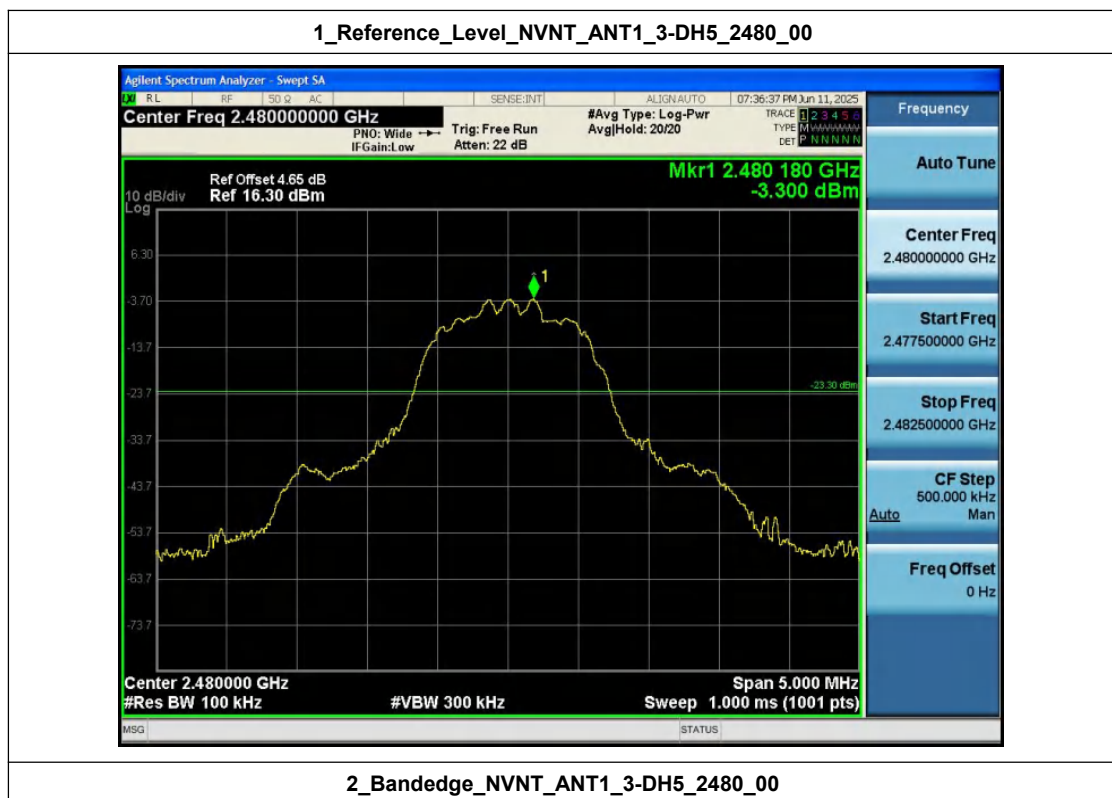
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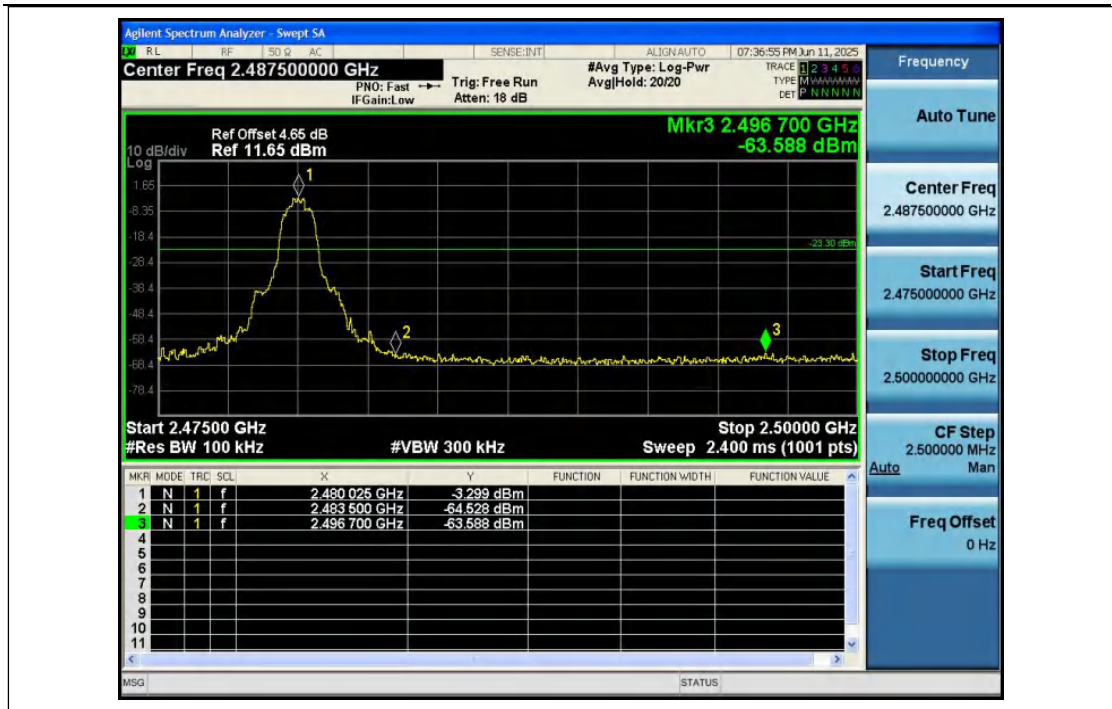
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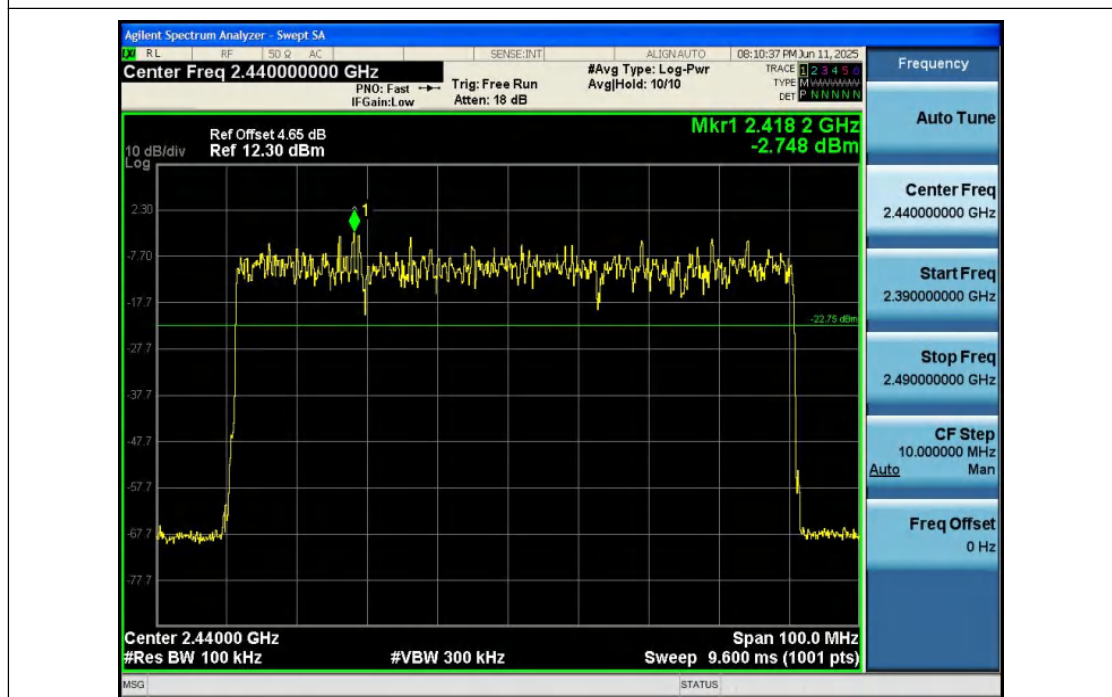
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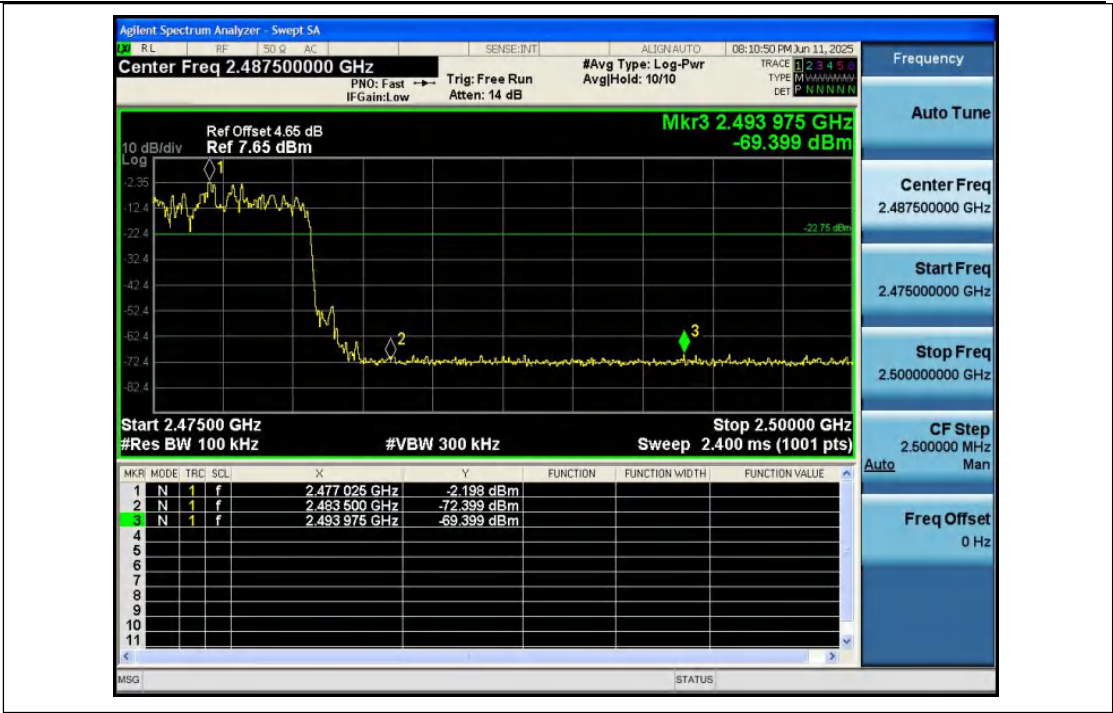
2_Bandedge_NVNT_ANT1_3-DH5_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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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	2441.179	2441.998	0.82	0.692	Pass
NVNT	ANT1	2-DH5	2441.00	2440.969	2442.049	1.08	0.883	Pass
NVNT	ANT1	3-DH5	2441.00	2440.867	2441.869	1.00	0.874	Pass

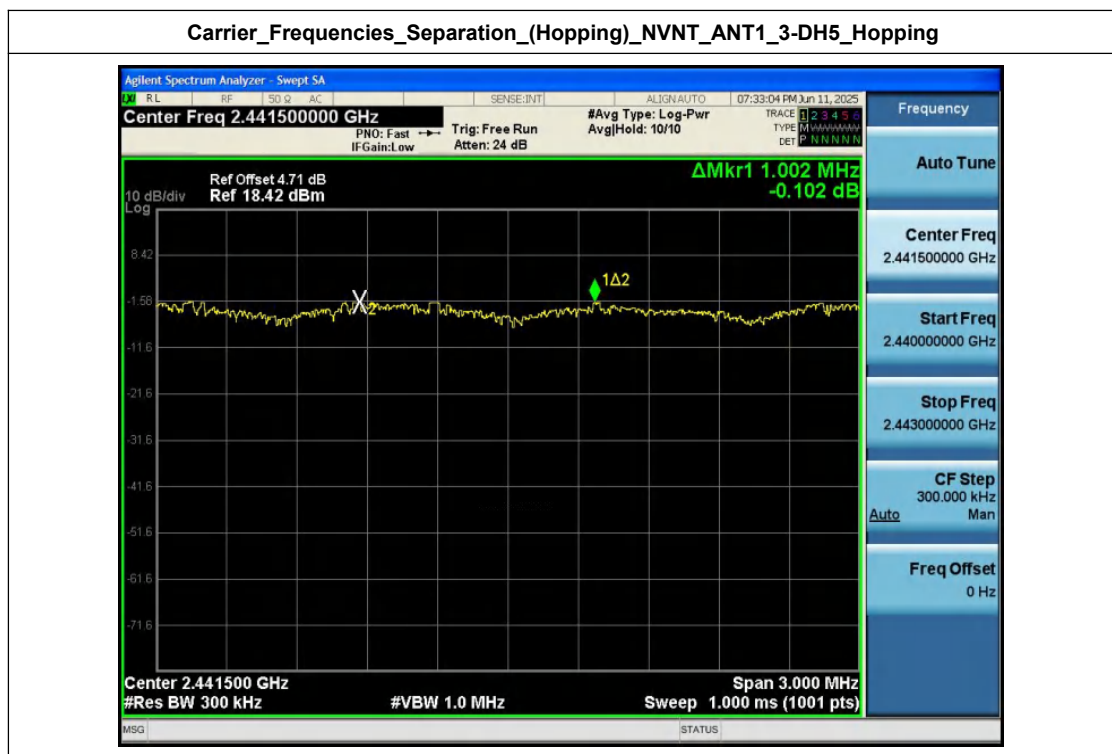
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



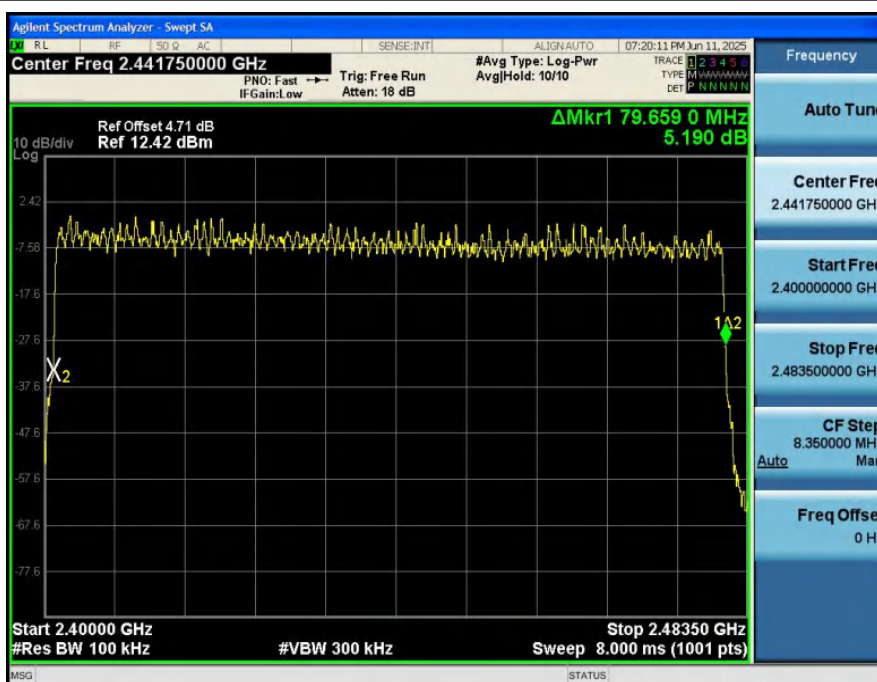
Appendix H: Number of Hopping Channel (Hopping)

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

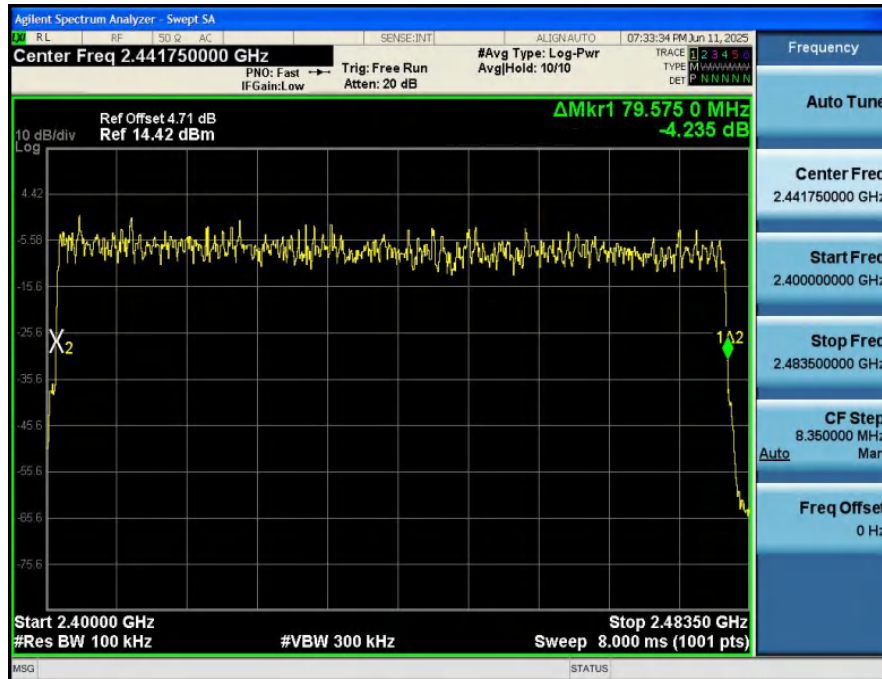
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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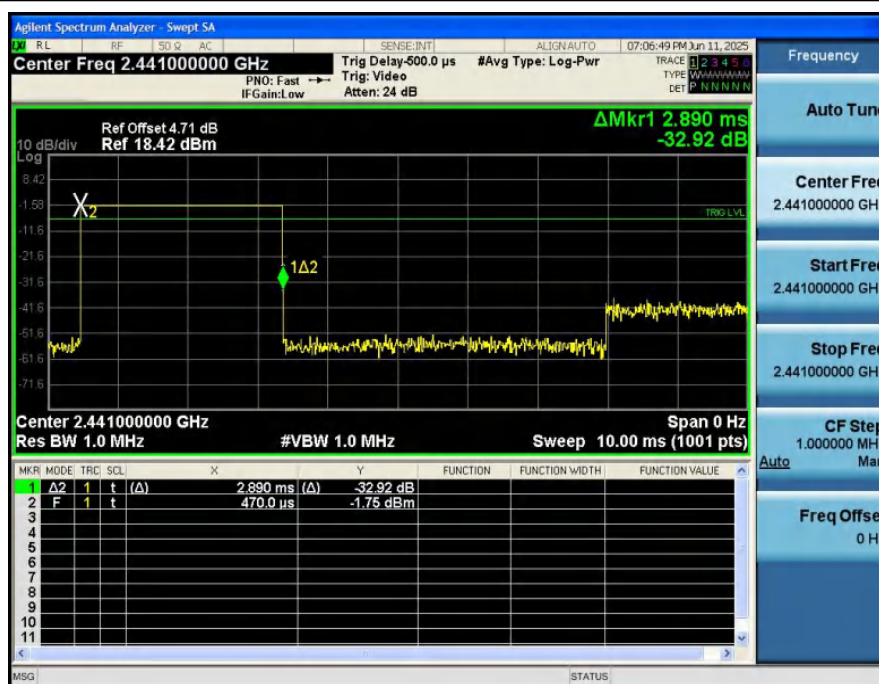
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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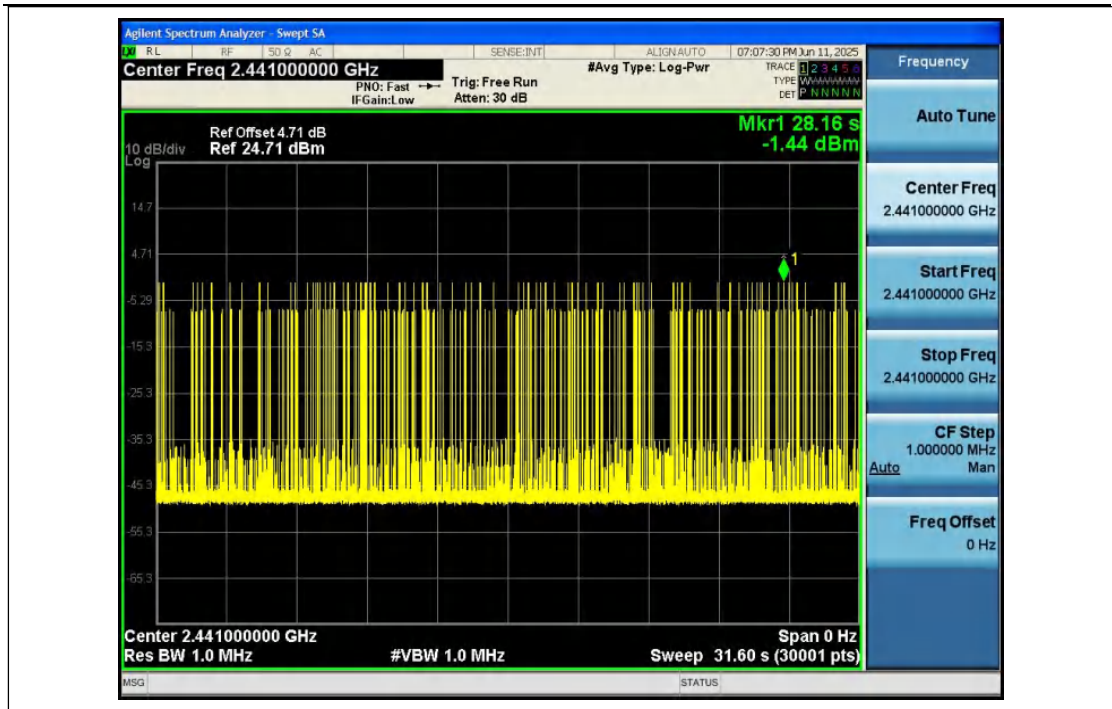
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.890	103.00	297.670	0.40	Pass
NVNT	ANT1	2-DH5	2.910	113.00	328.830	0.40	Pass
NVNT	ANT1	3-DH5	2.910	113.00	328.830	0.40	Pass
NVNT	ANT1	1-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	1-DH3	1.650	153.00	252.450	0.40	Pass
NVNT	ANT1	2-DH1	0.400	319.00	127.600	0.40	Pass
NVNT	ANT1	2-DH3	1.650	162.00	267.300	0.40	Pass
NVNT	ANT1	3-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	3-DH3	1.660	173.00	287.180	0.40	Pass

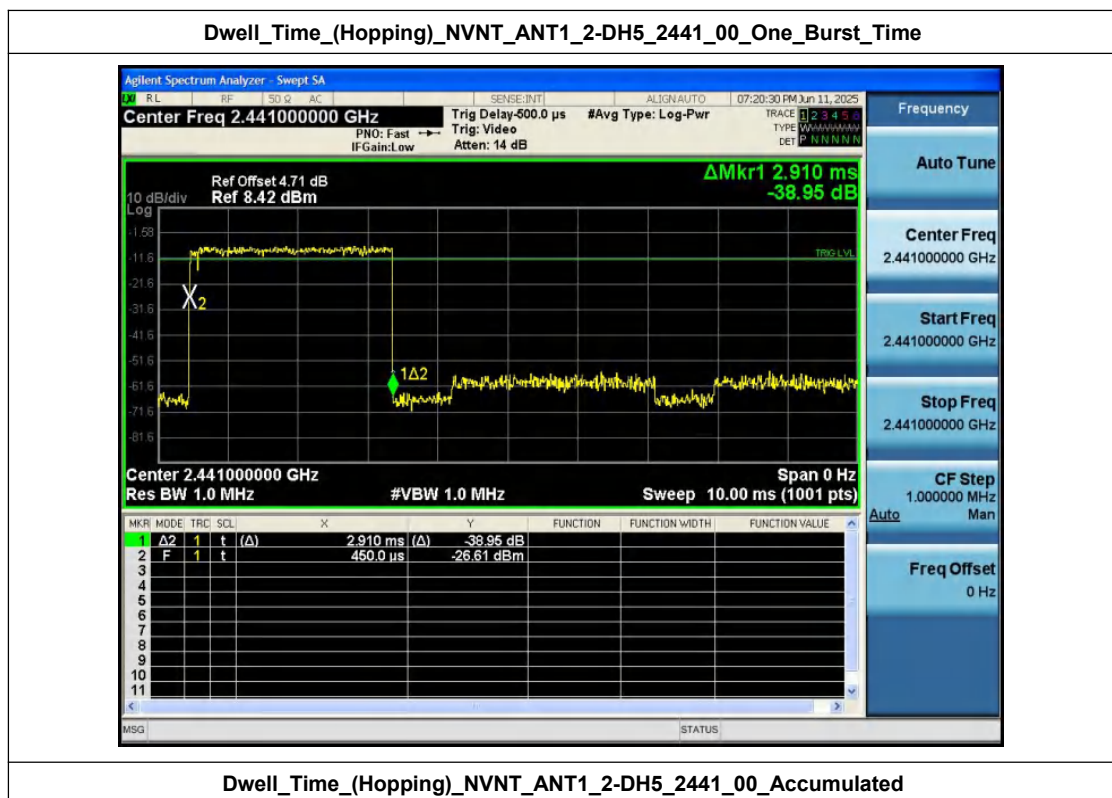
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



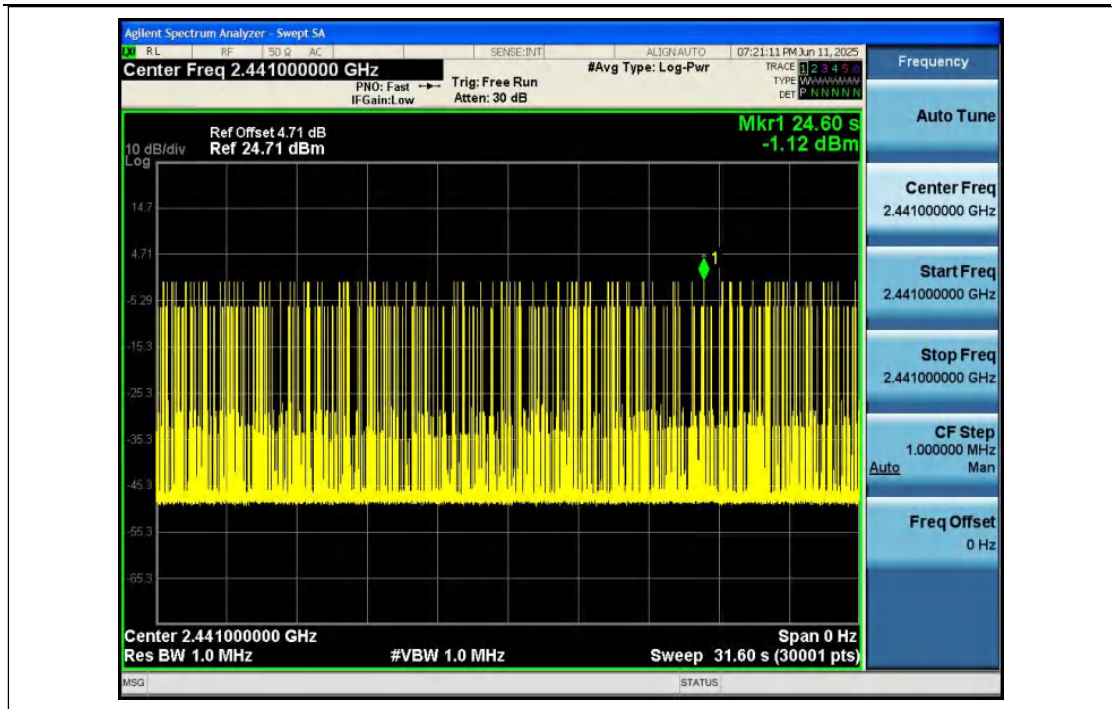
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



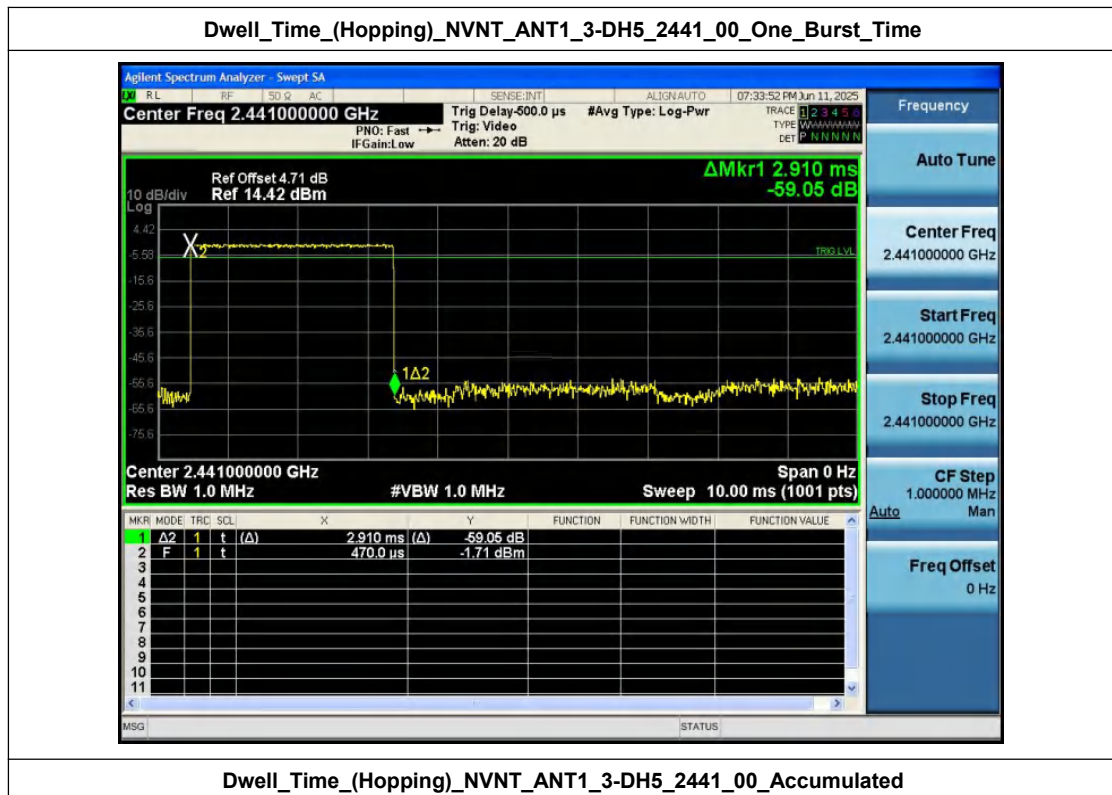
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



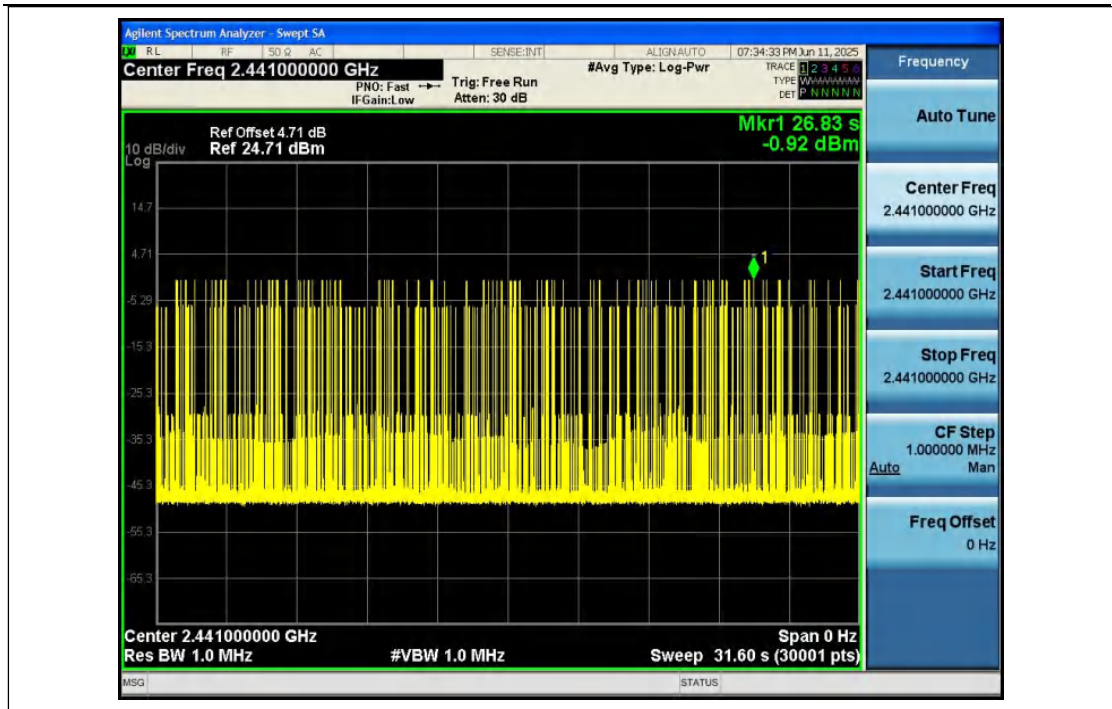
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



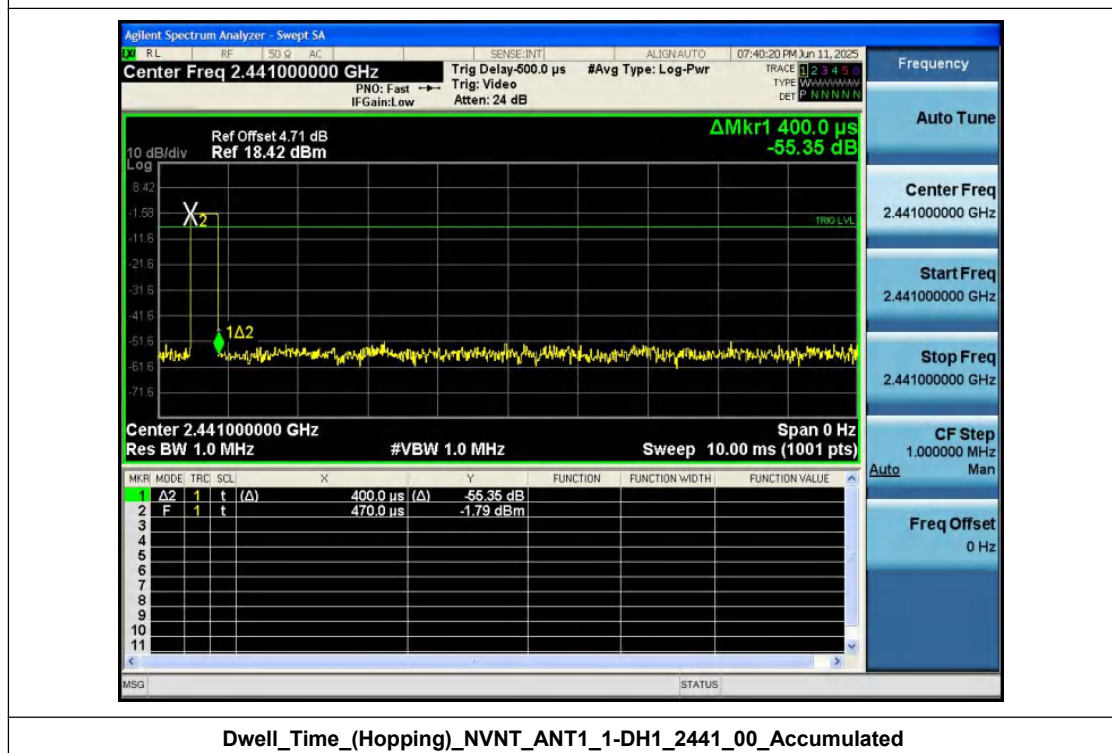
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



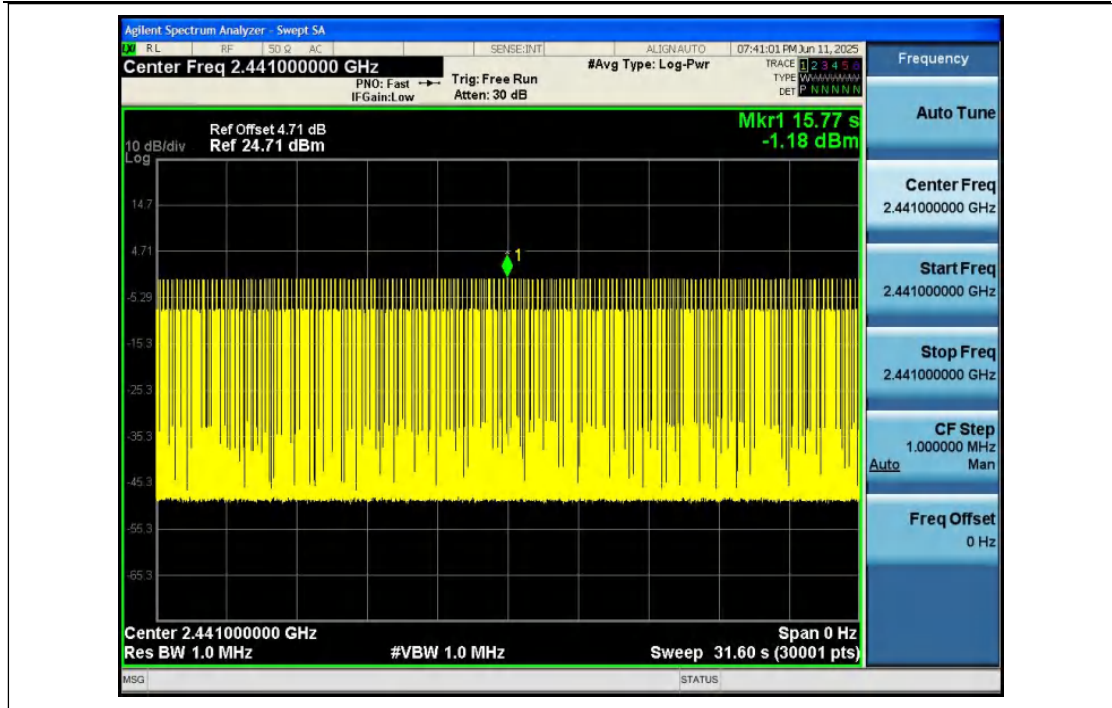
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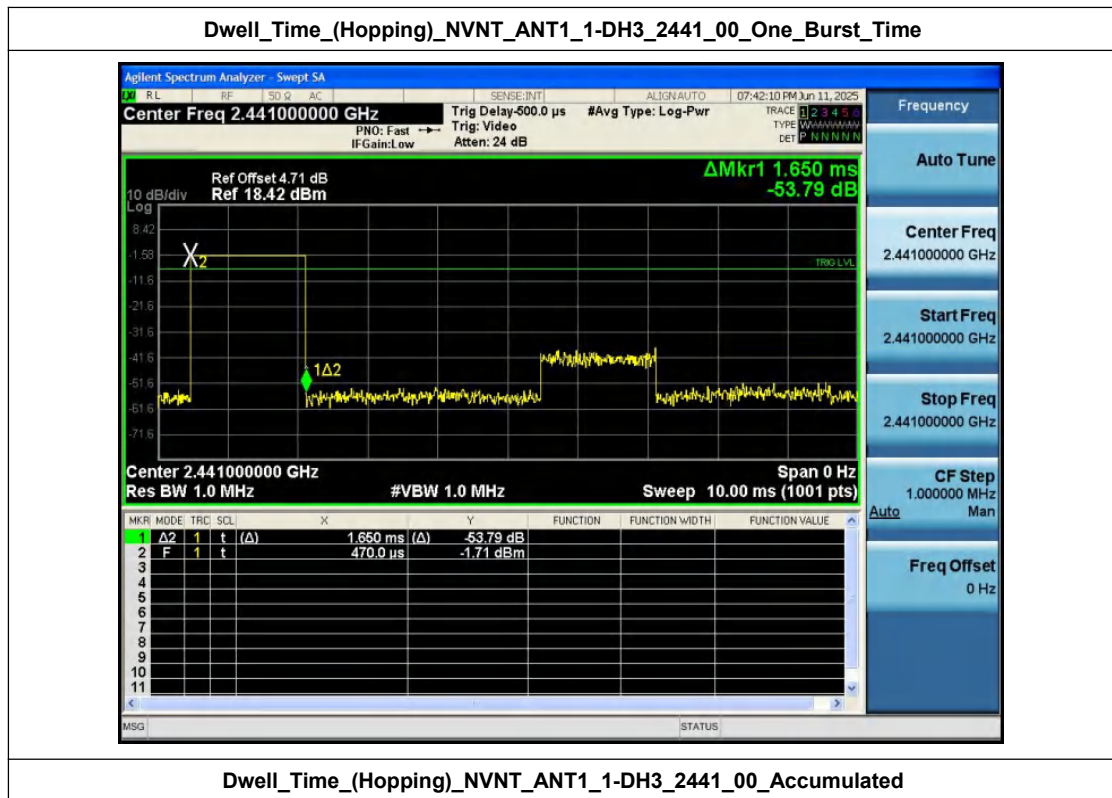
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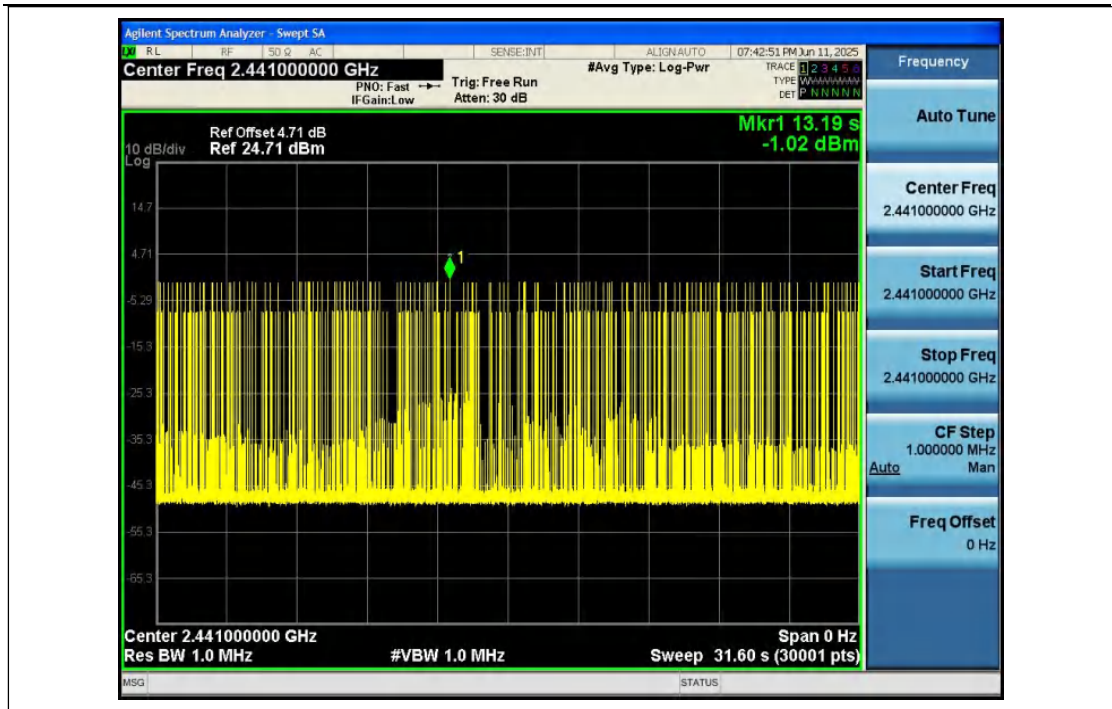
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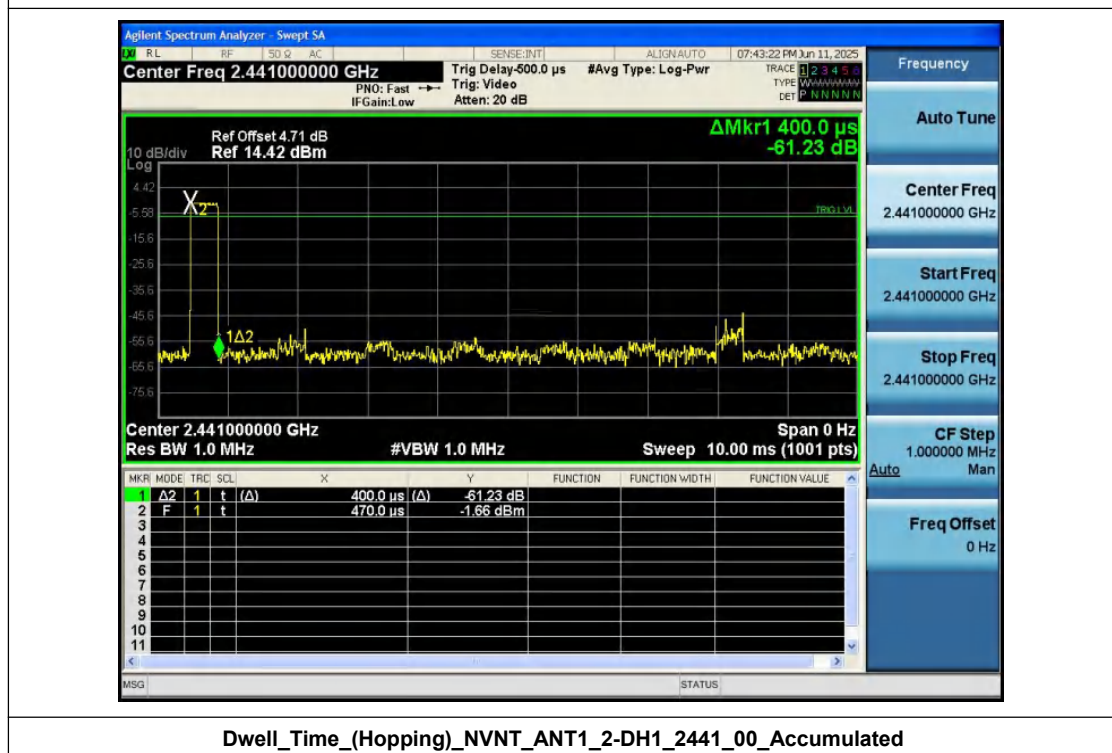
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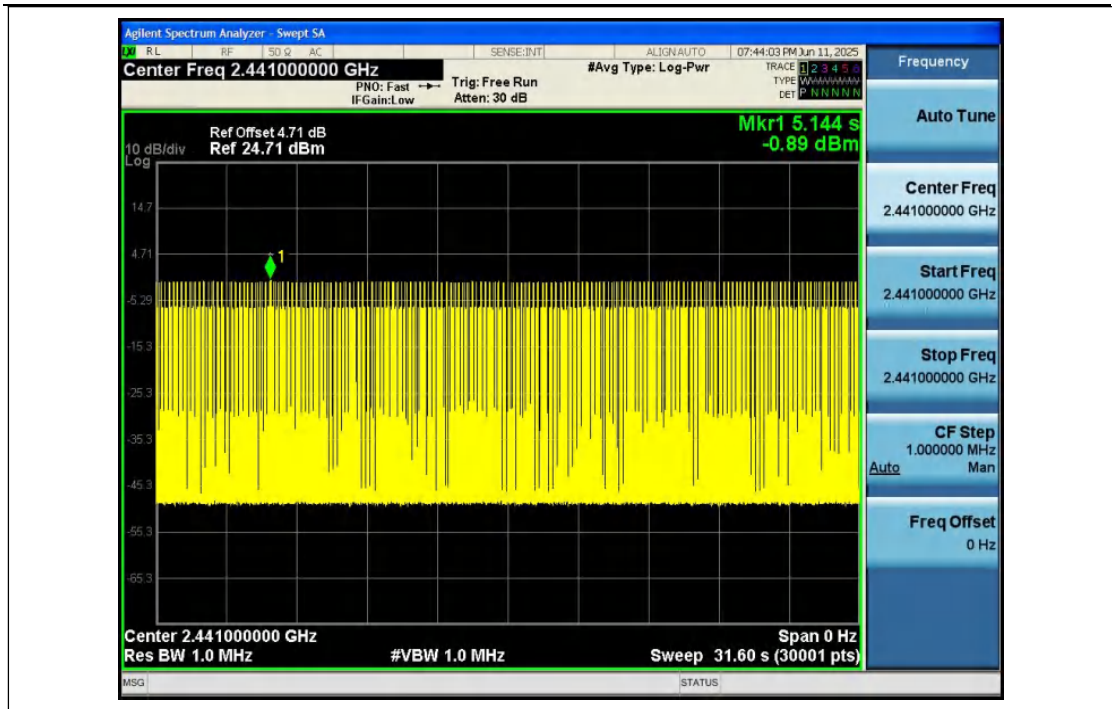
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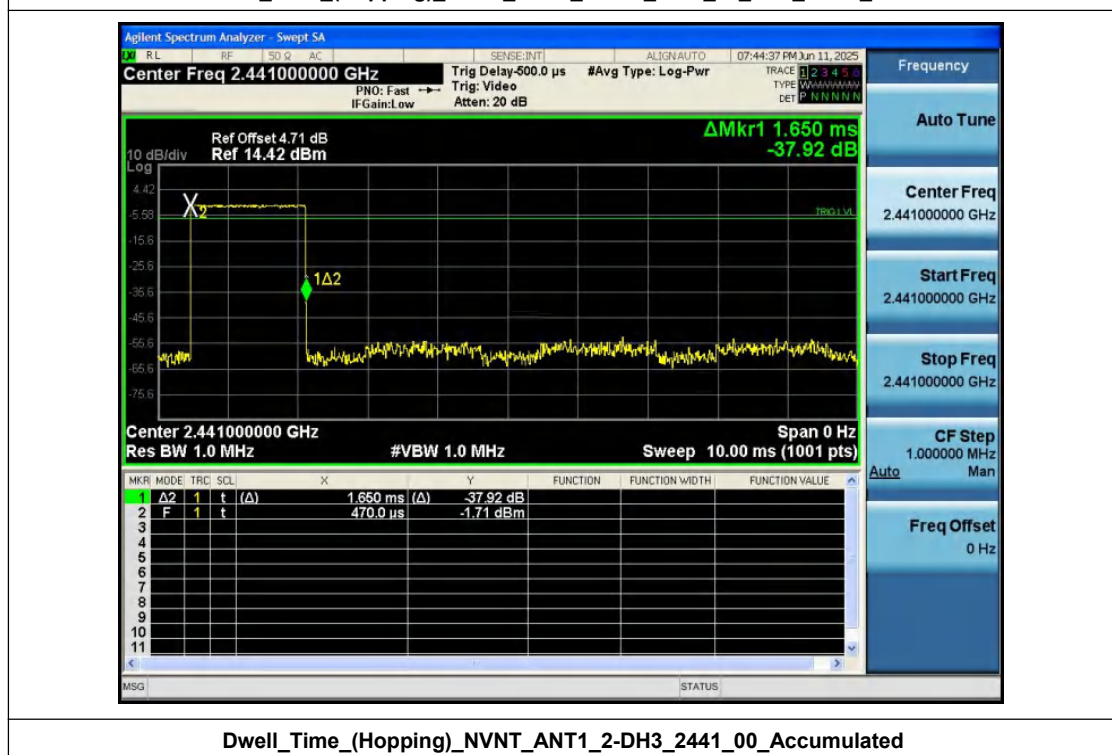
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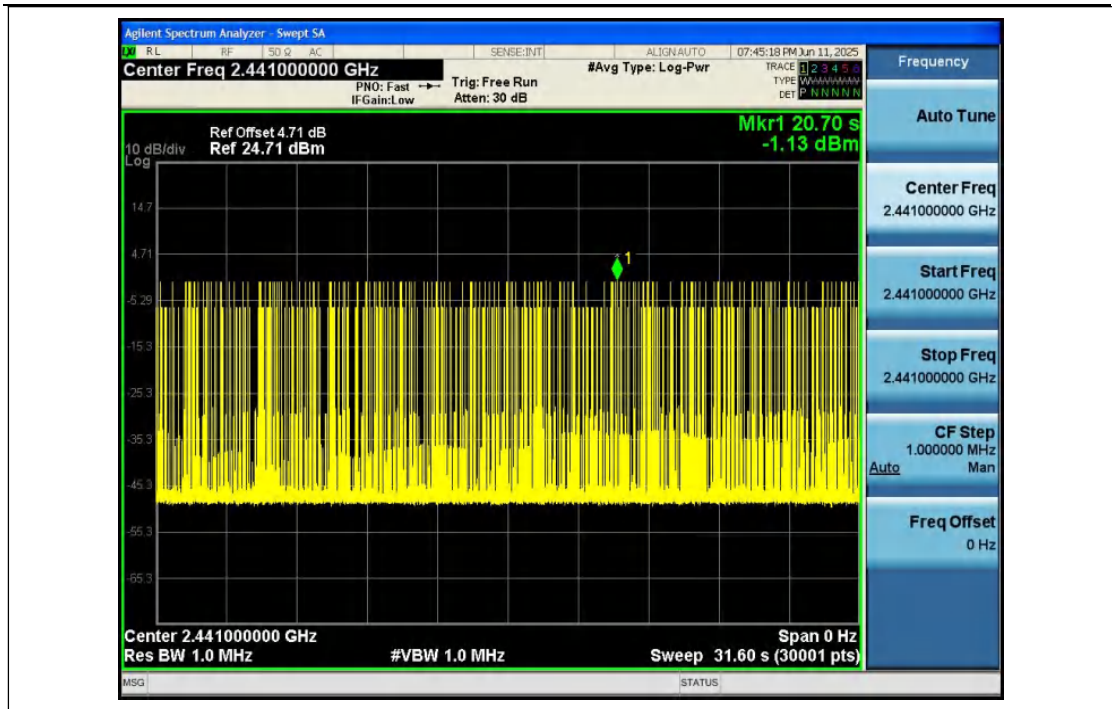
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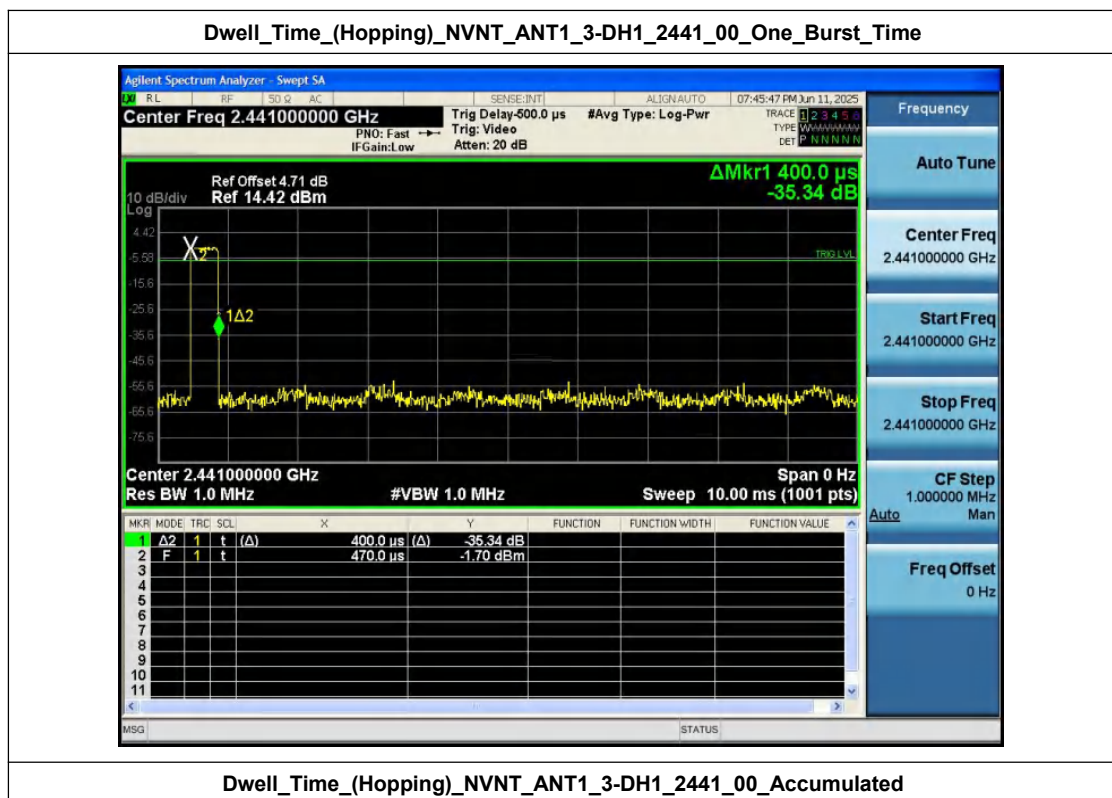
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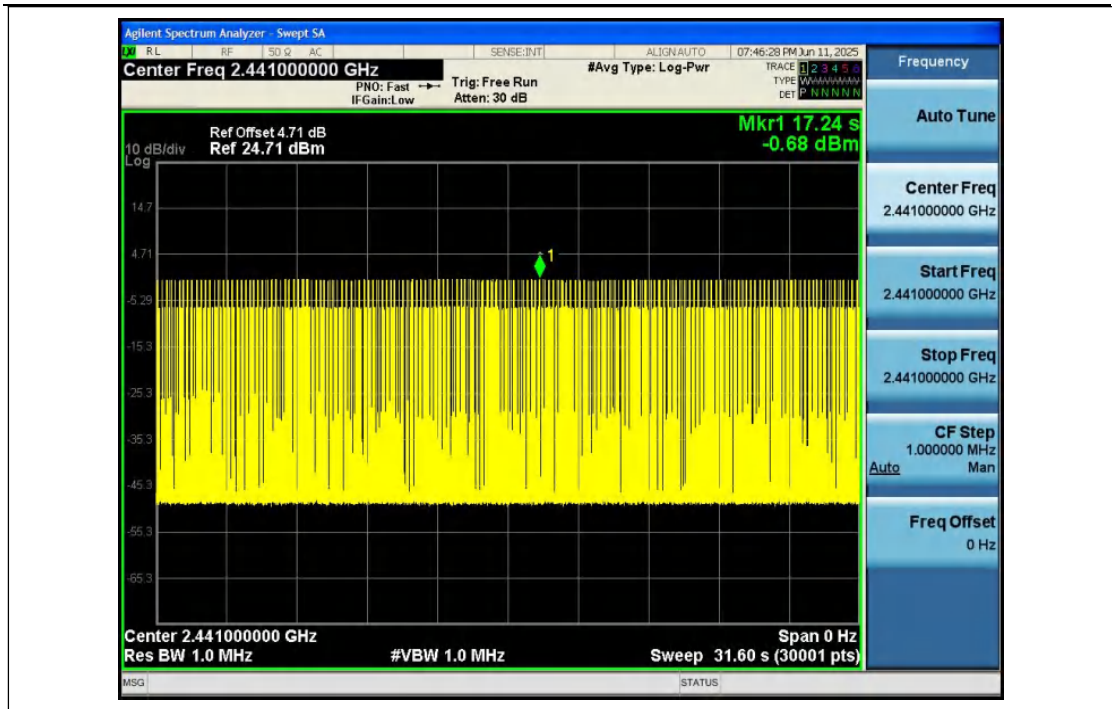
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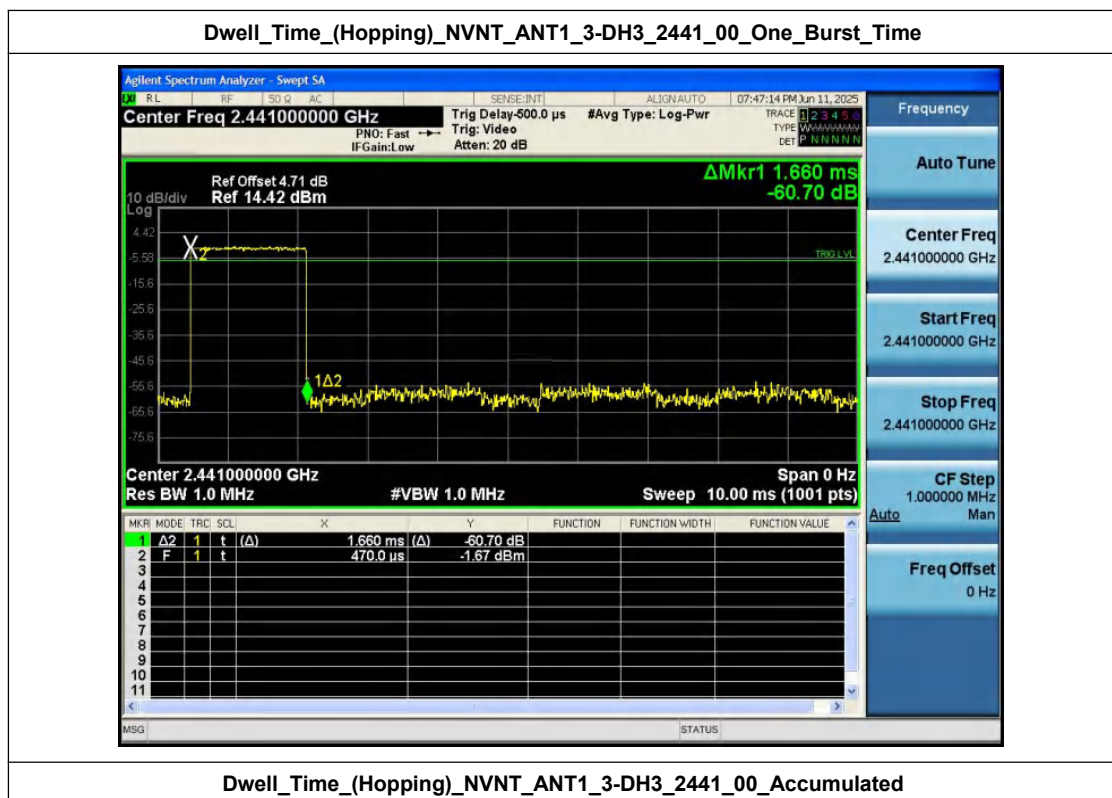
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



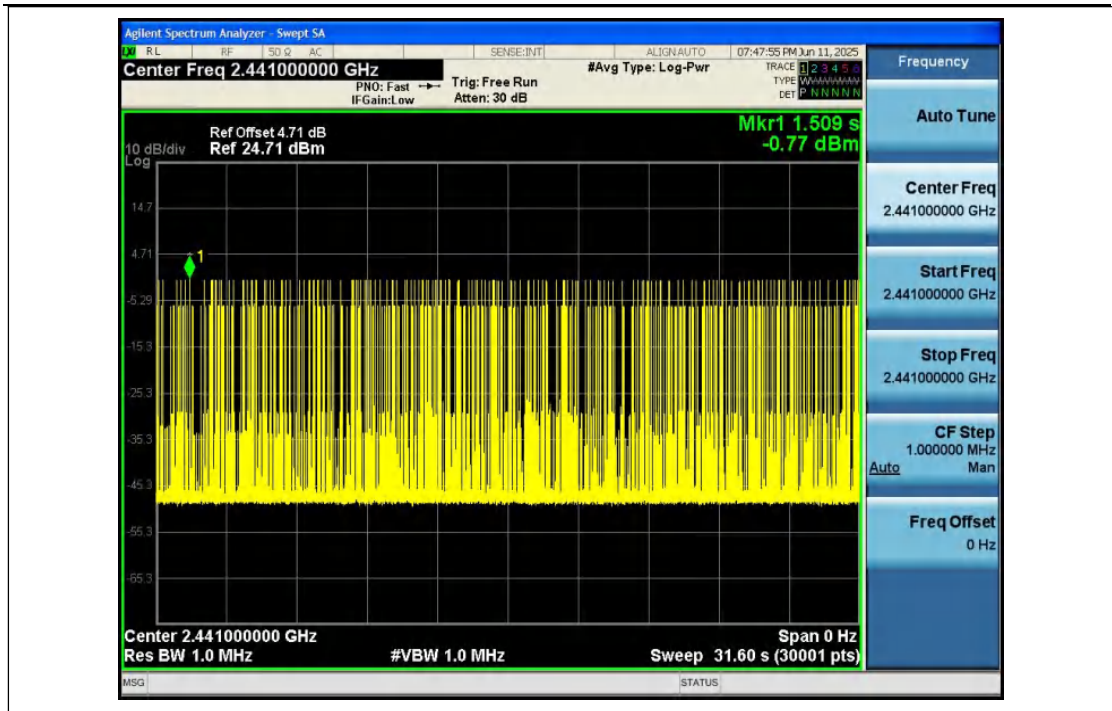
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Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated



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