

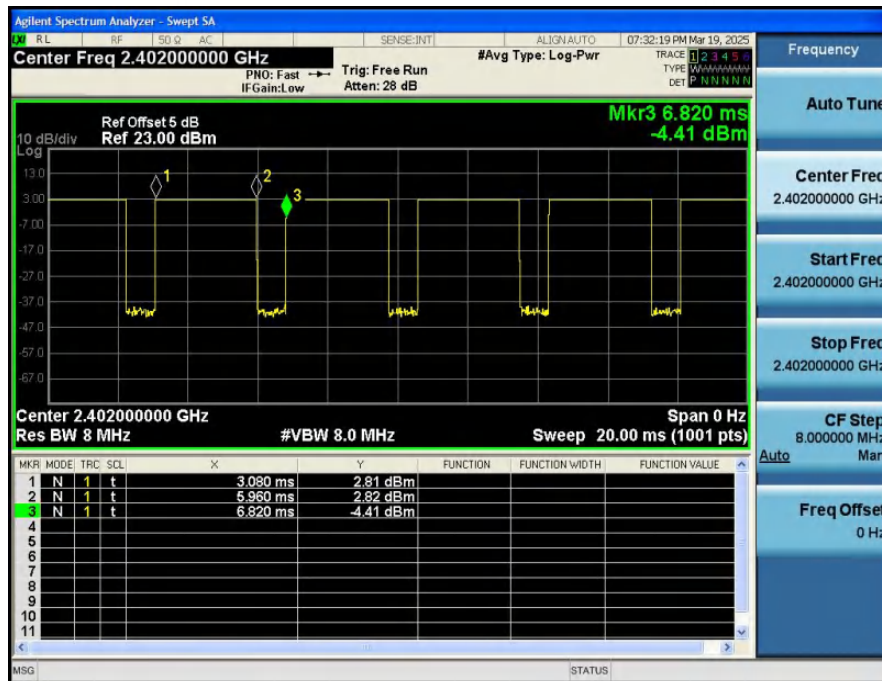
Appendix Test Data

Report No.:	1812C50094512501	Test Sample No.:	1-2-2
Start Test Date:	2025-03-19	Finish Test Date:	2025-03-19
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	19.7°C	Relative Humidity:	32%
Pressure:	101kPa		

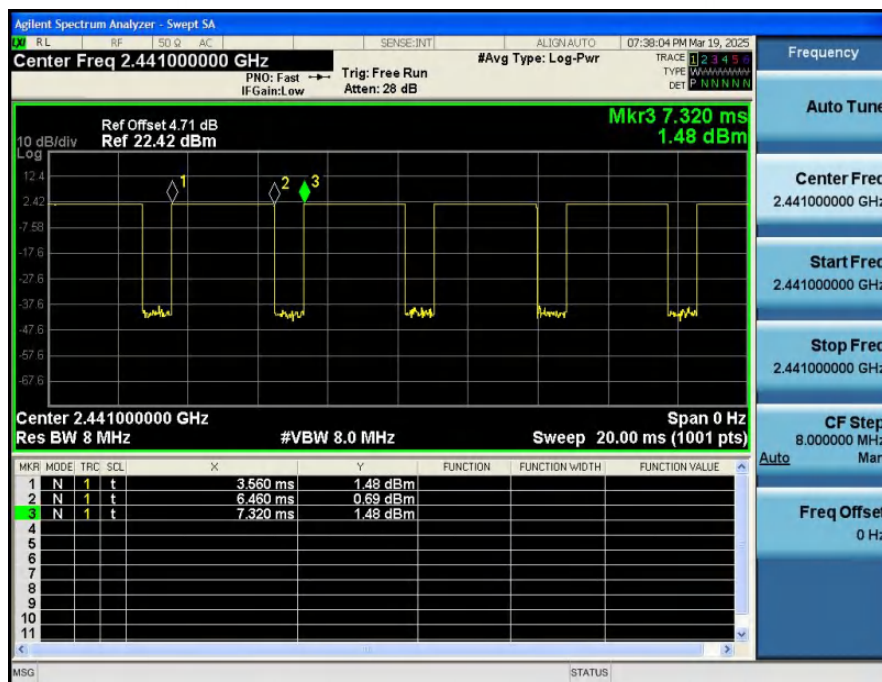
Appendix A: Duty Cycle

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

Duty_Cycle_NVNT_ANT1_1-DH5_2402



Duty_Cycle_NVNT_ANT1_1-DH5_2441

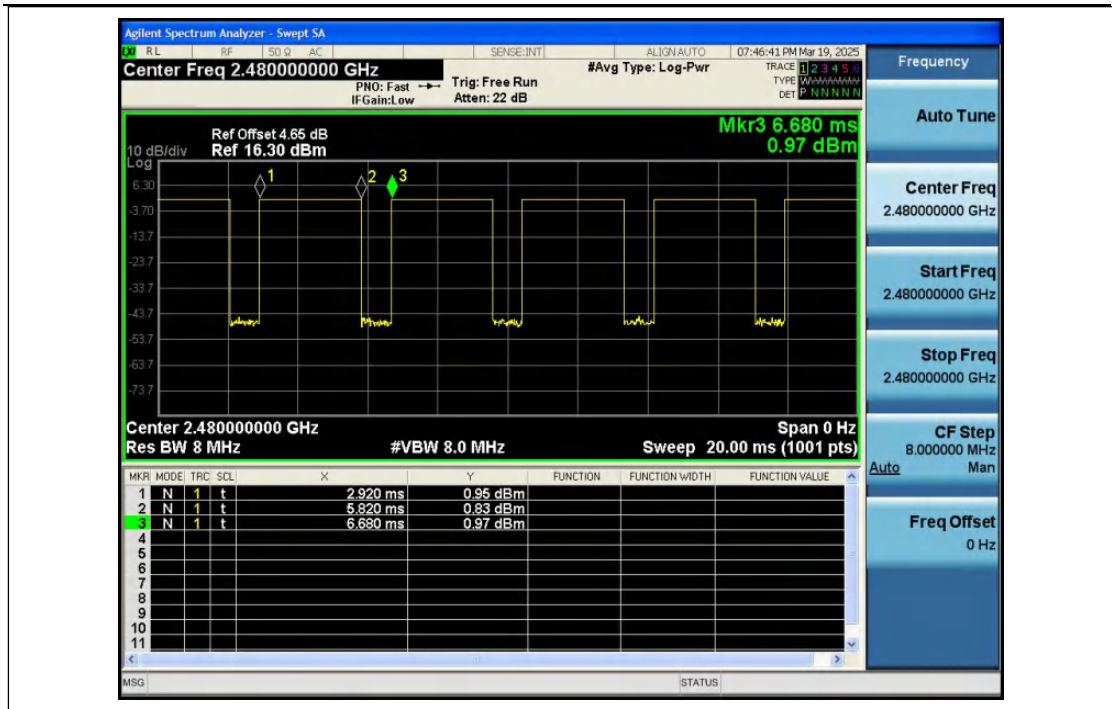


Duty_Cycle_NVNT_ANT1_1-DH5_2480

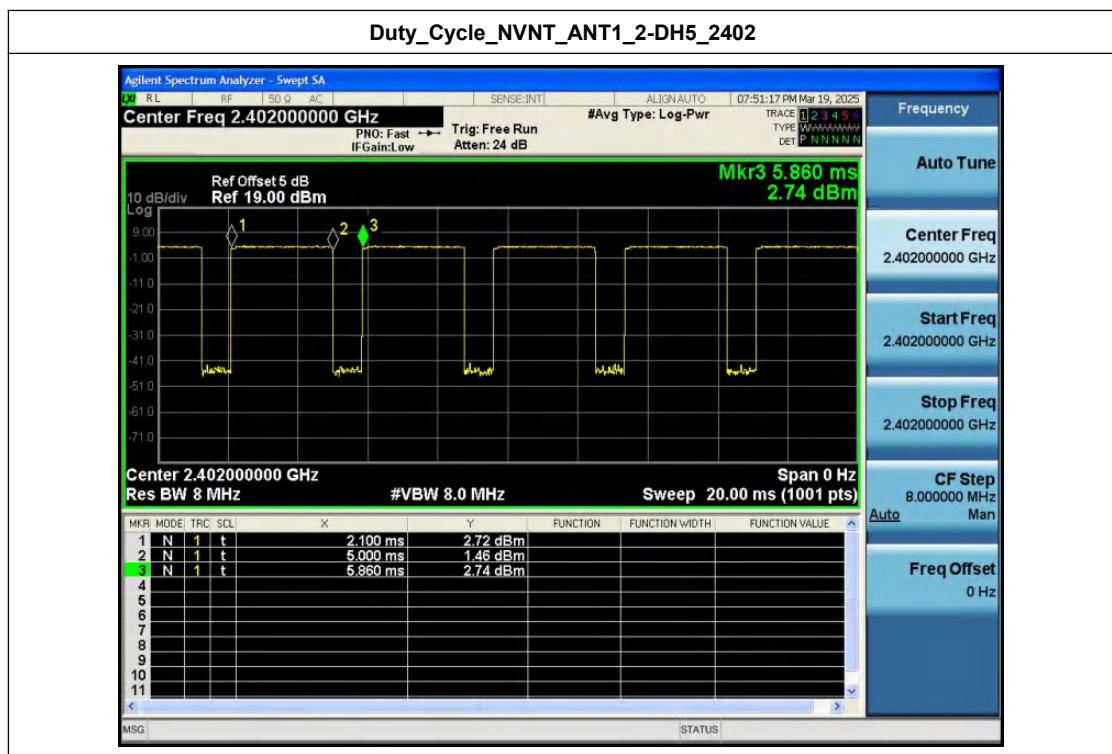
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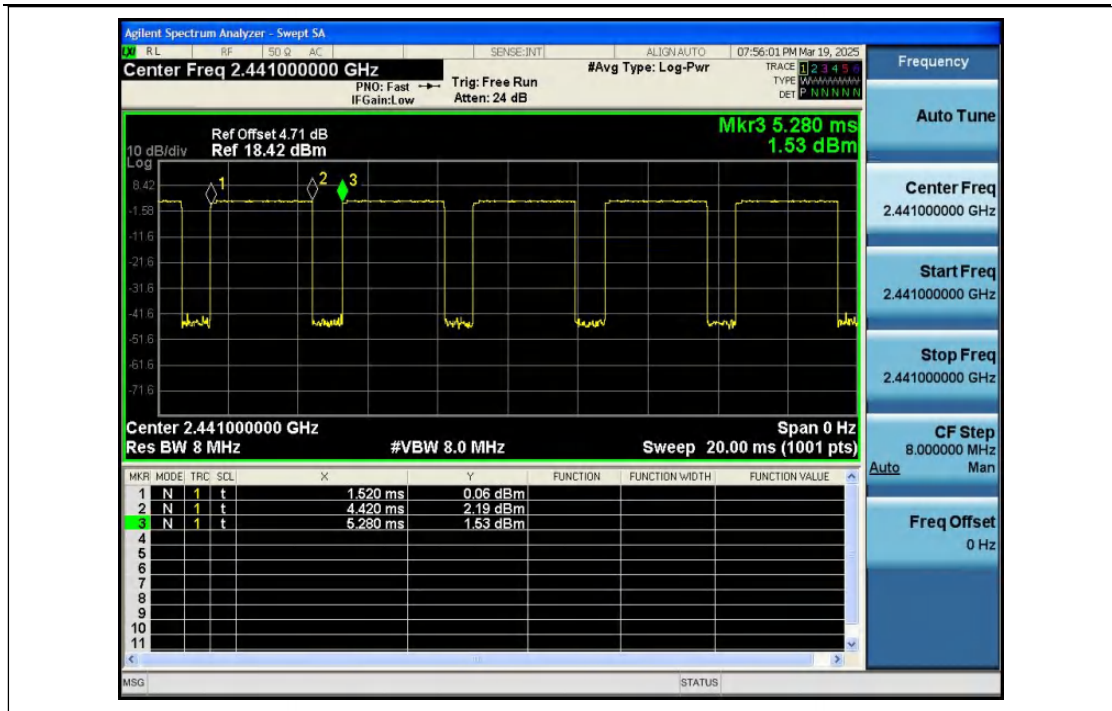
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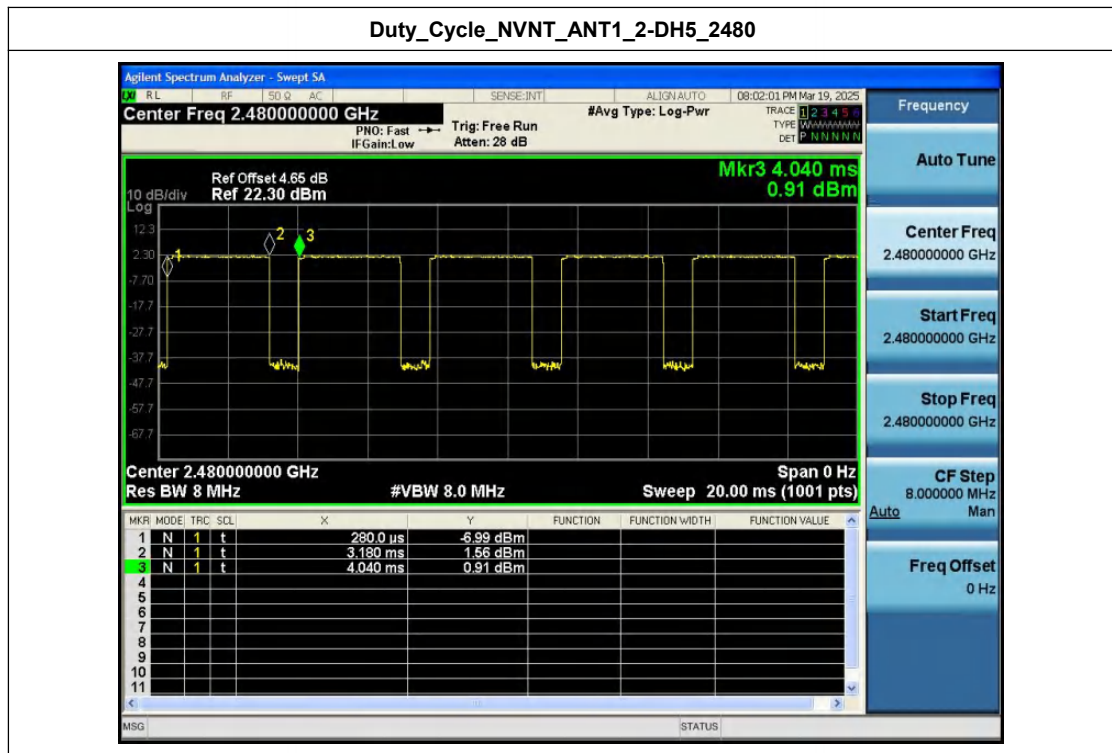
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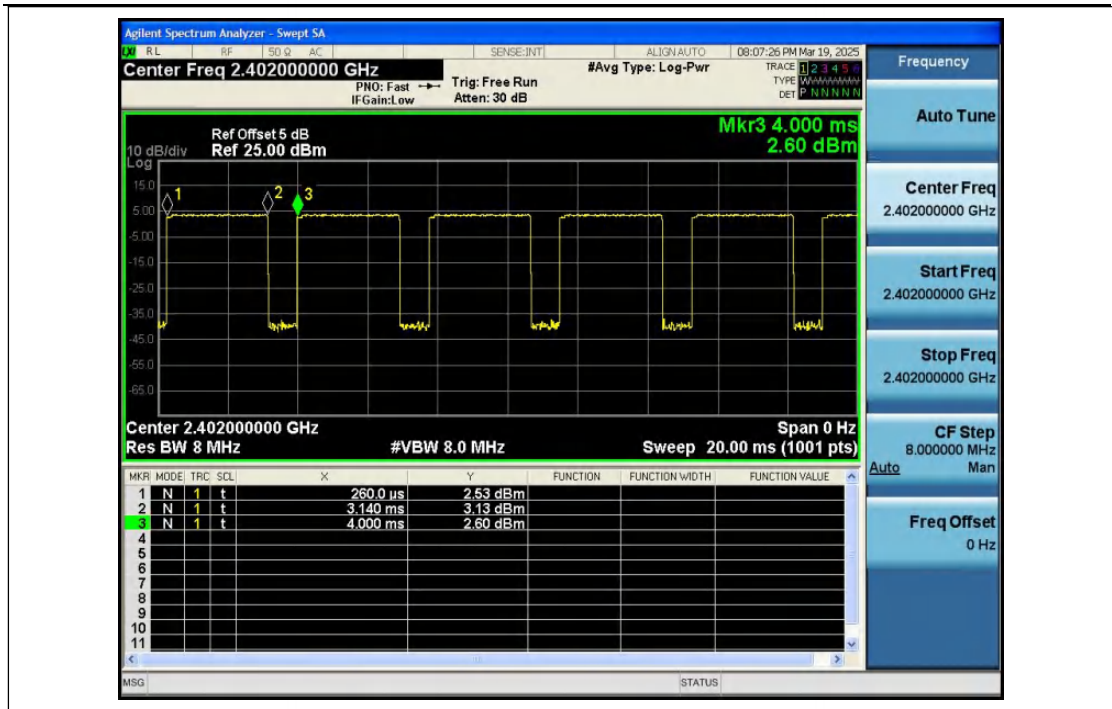
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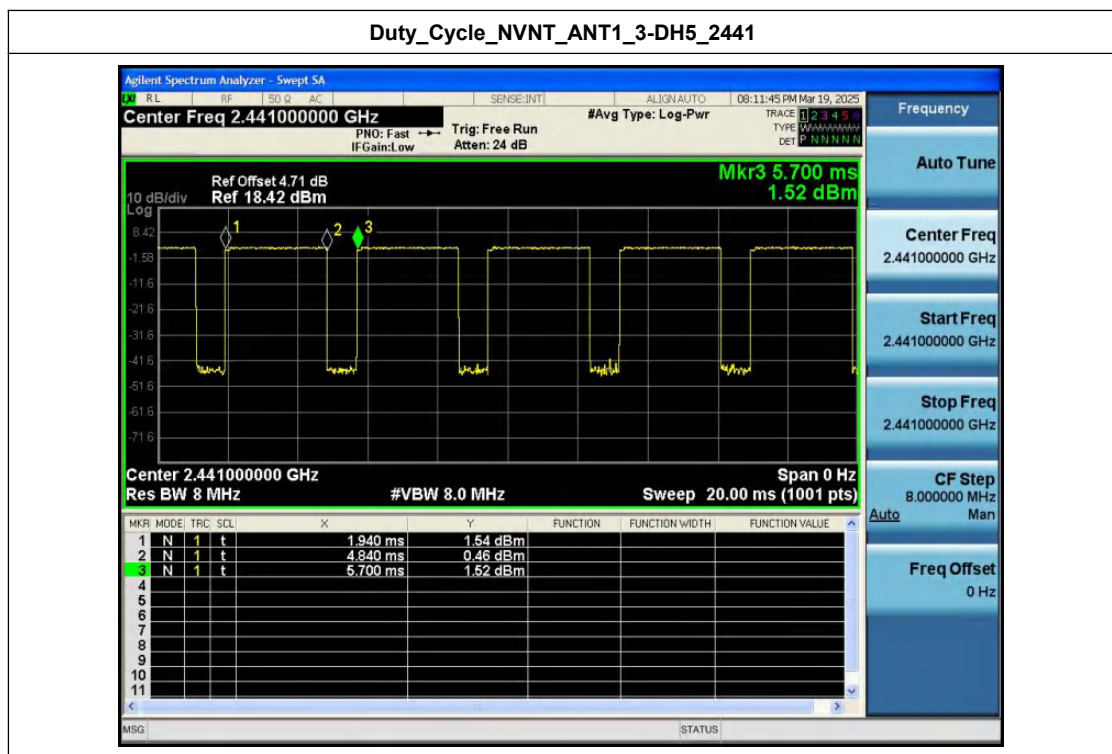
Duty_Cycle_NVNT_ANT1_2-DH5_2480



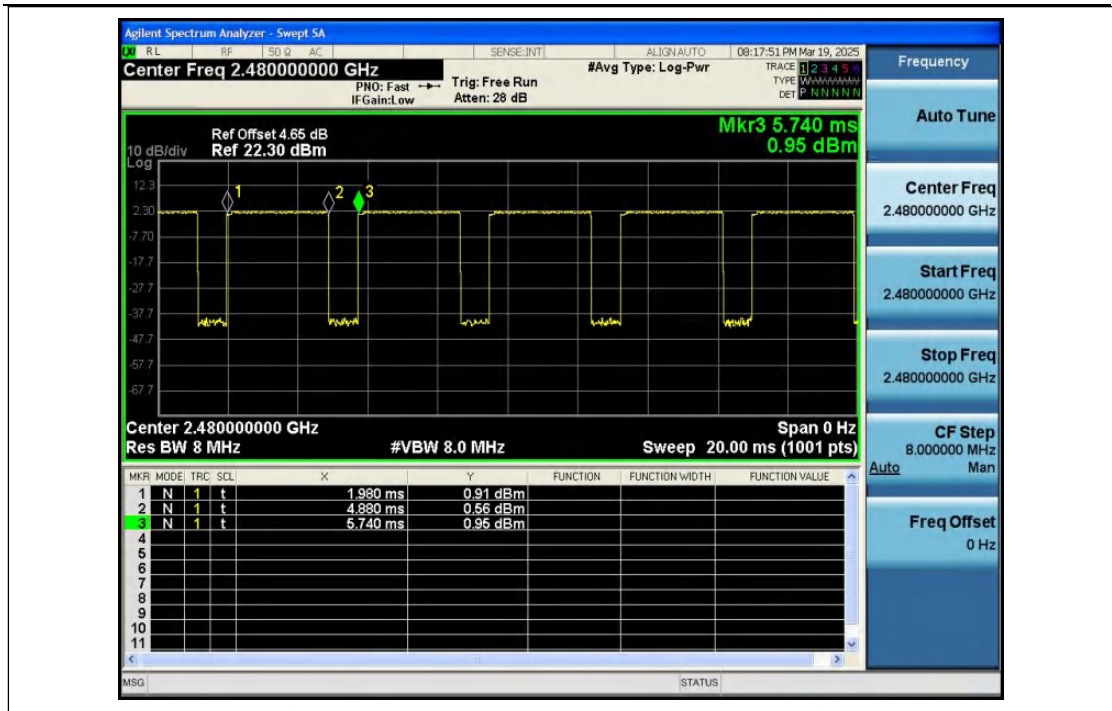
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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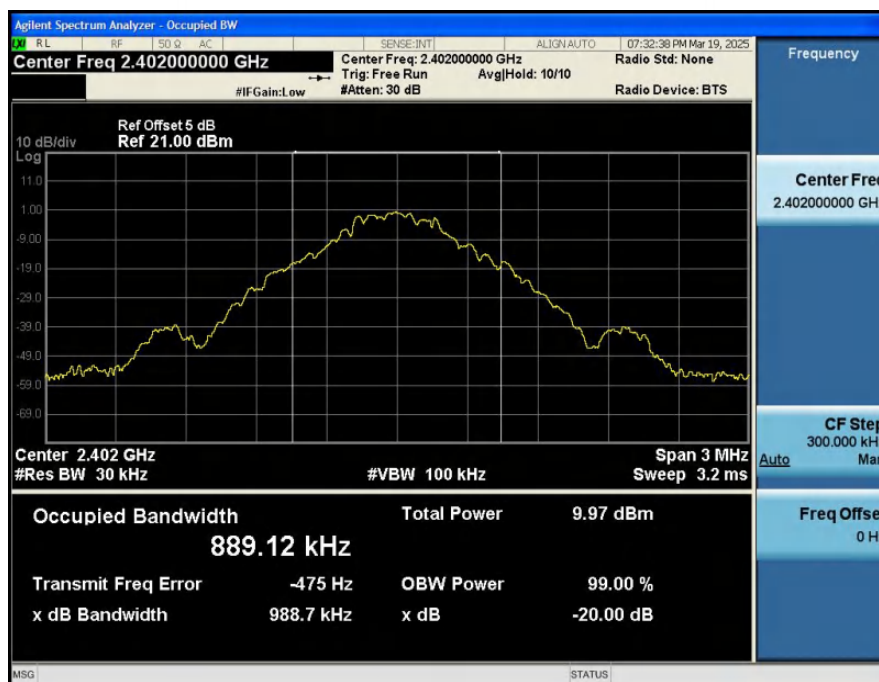


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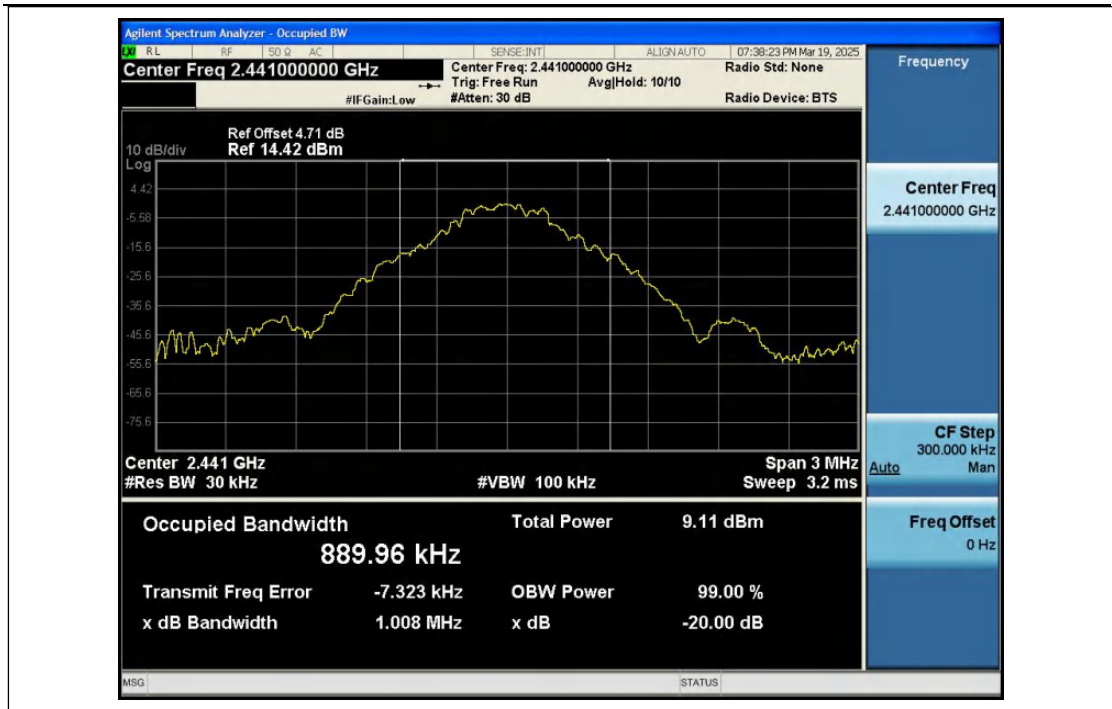
Appendix B: -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.989	No
NVNT	ANT1	1-DH5	2441.00	1.008	Yes
NVNT	ANT1	1-DH5	2480.00	1.004	Yes
NVNT	ANT1	2-DH5	2402.00	1.290	Yes
NVNT	ANT1	2-DH5	2441.00	1.315	Yes
NVNT	ANT1	2-DH5	2480.00	1.310	Yes
NVNT	ANT1	3-DH5	2402.00	1.306	Yes
NVNT	ANT1	3-DH5	2441.00	1.304	Yes
NVNT	ANT1	3-DH5	2480.00	1.305	Yes

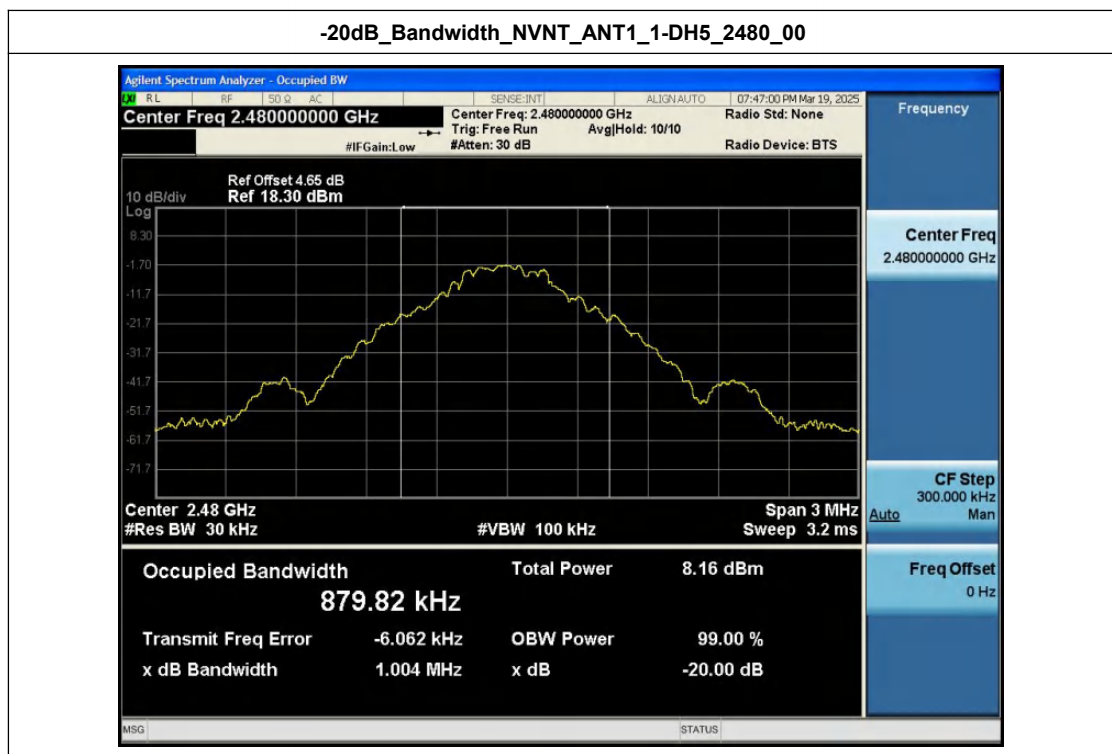
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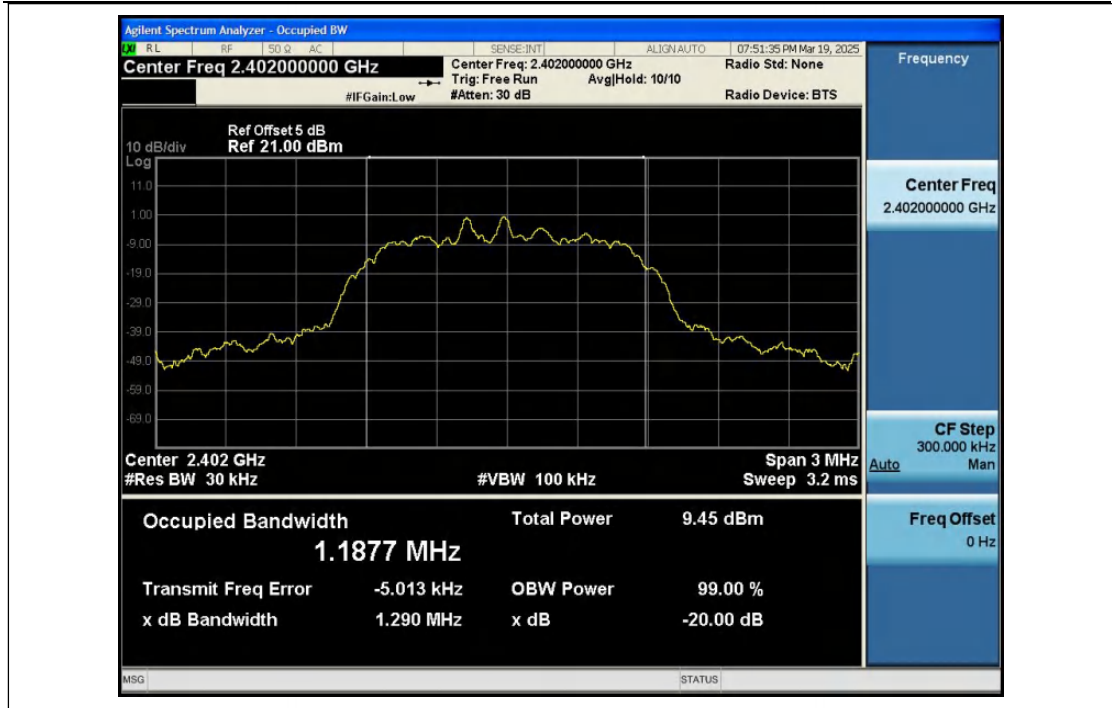
-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



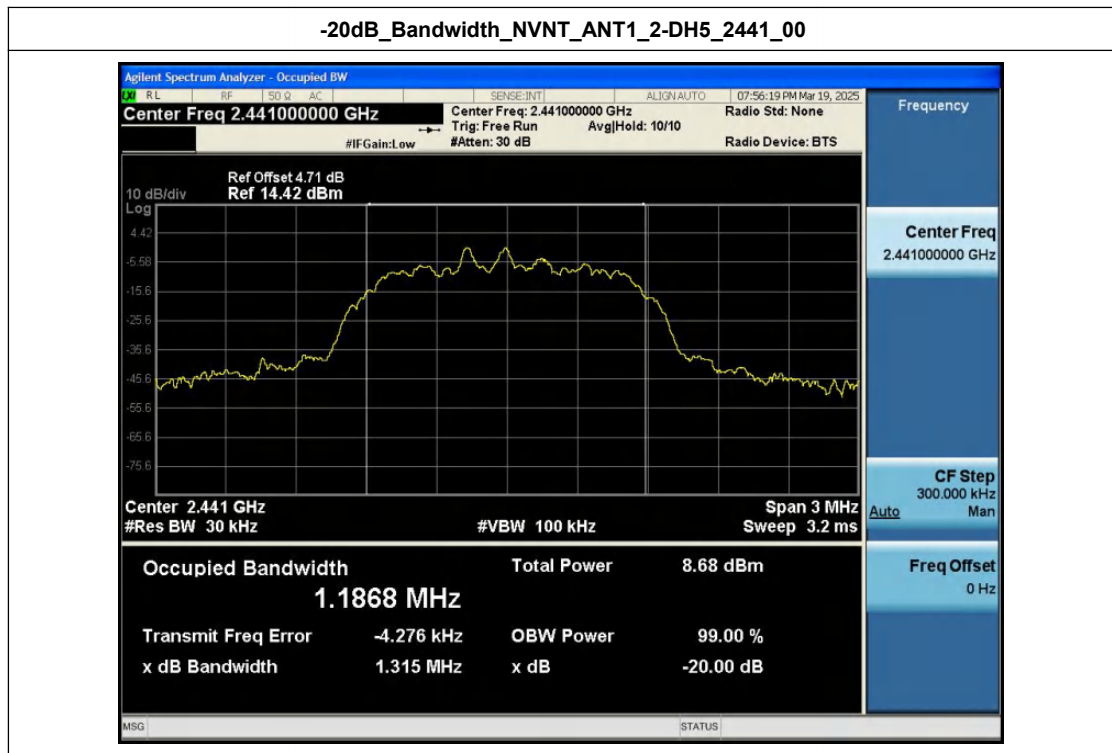
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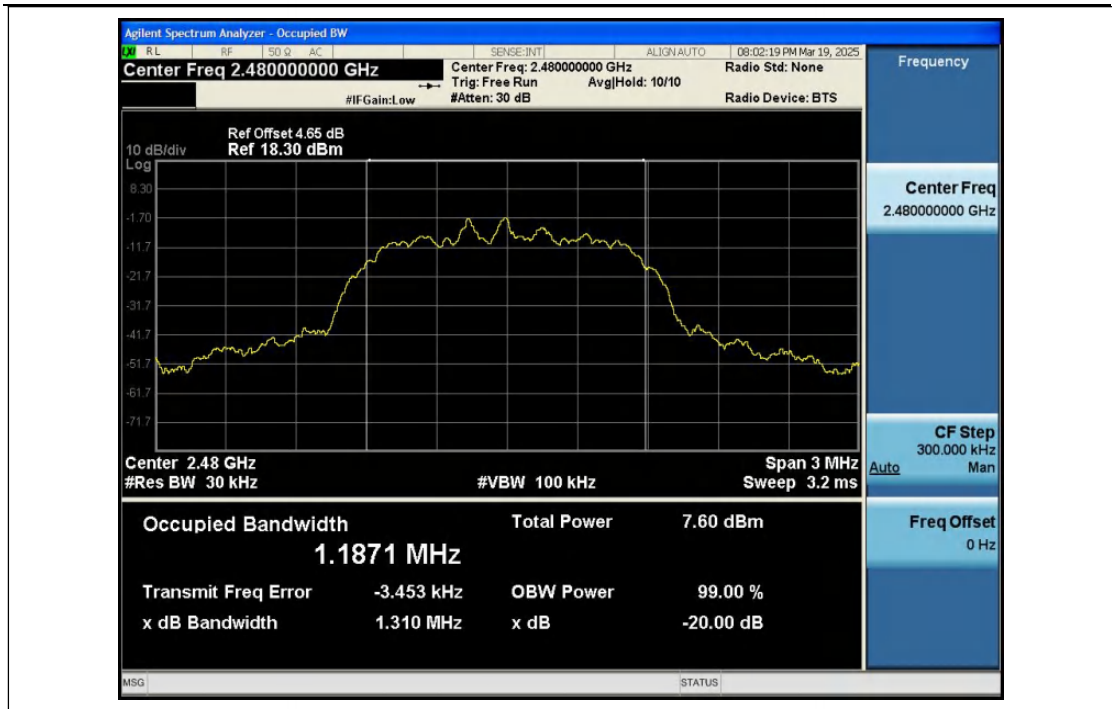
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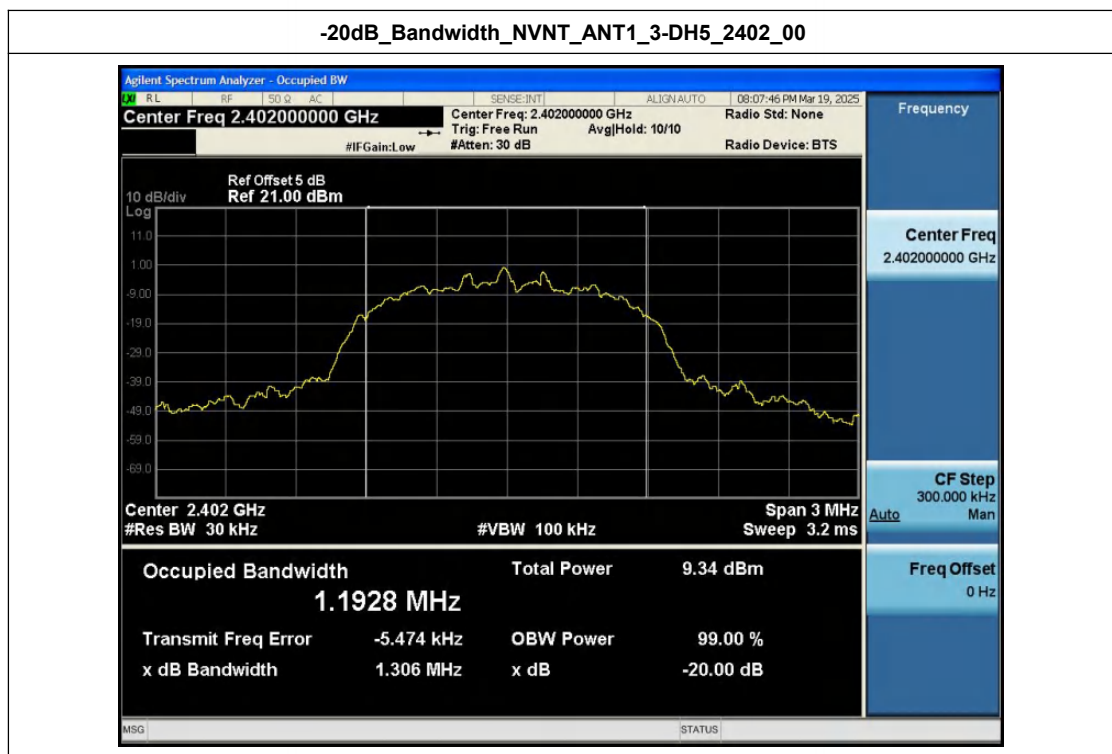
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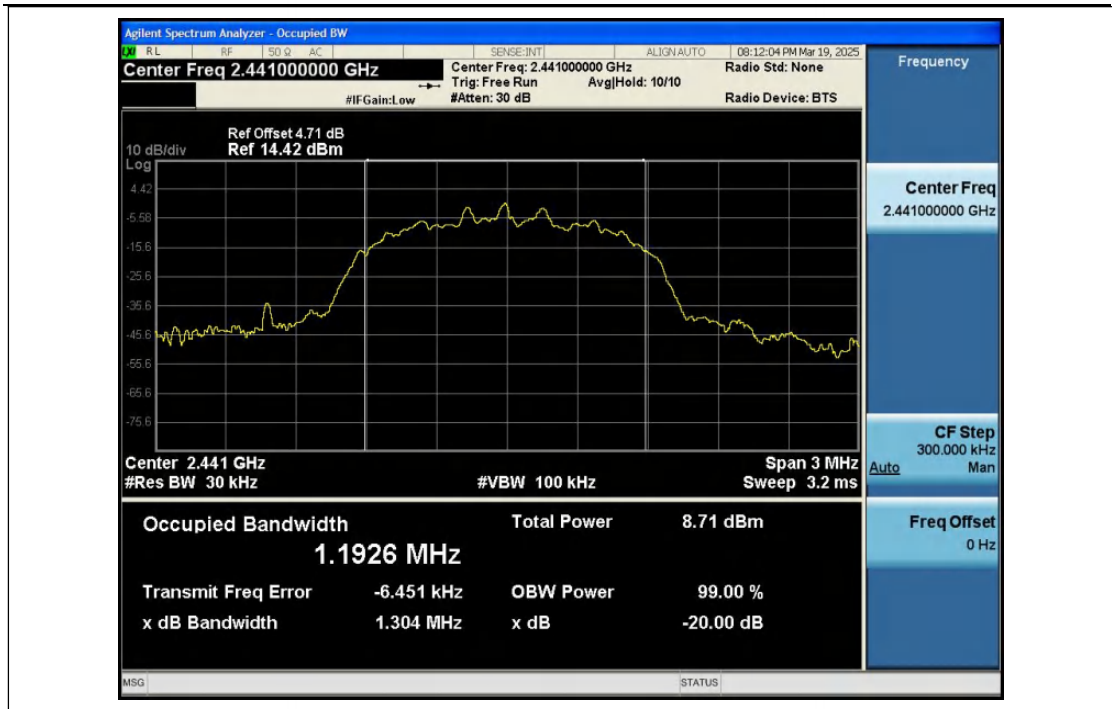
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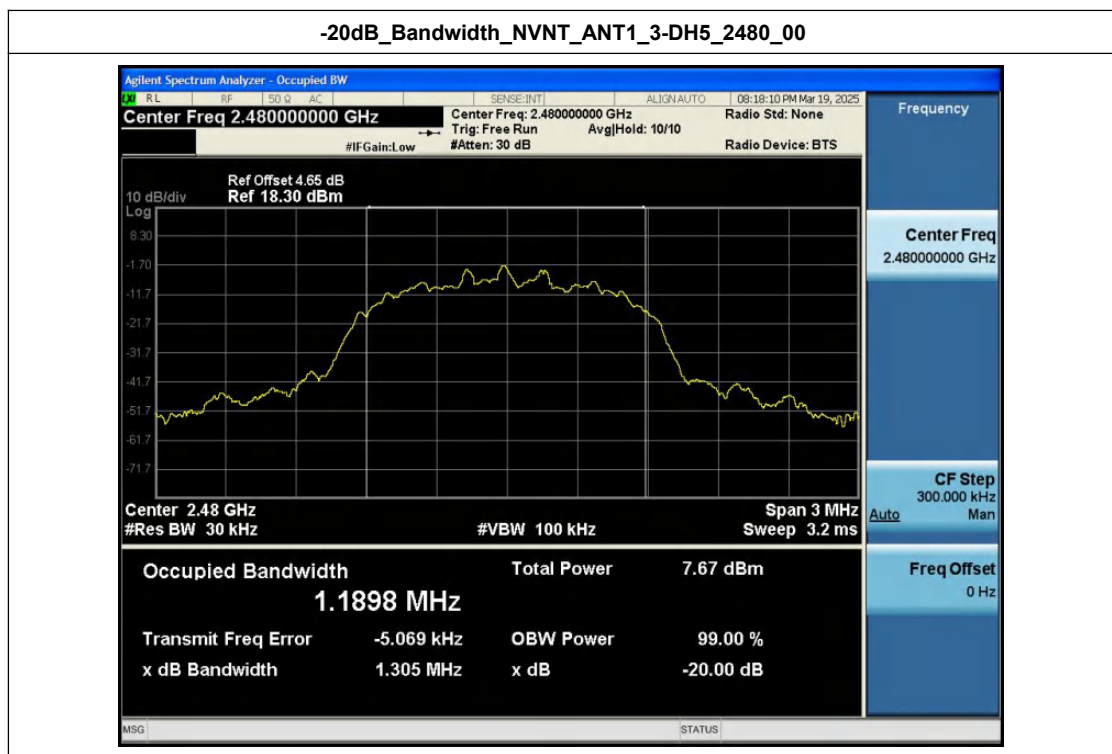
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-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00



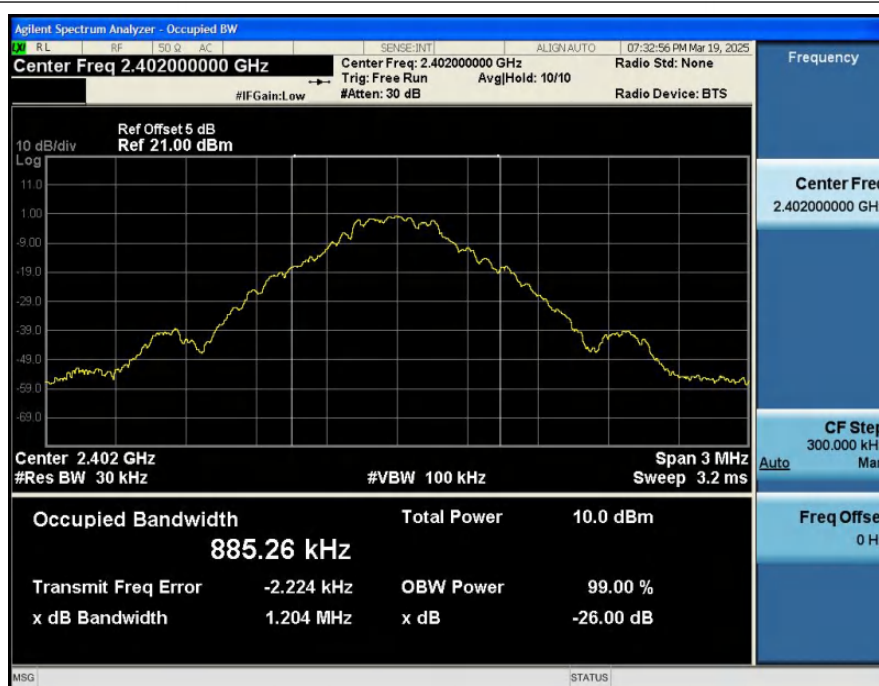
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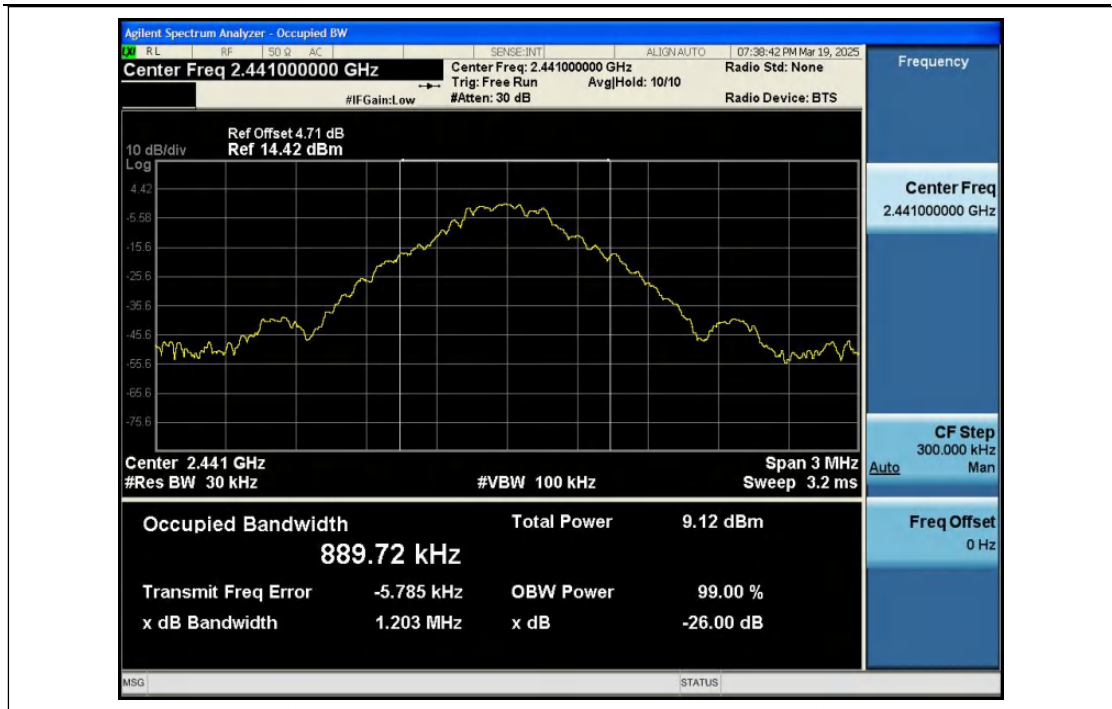
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.885
NVNT	ANT1	1-DH5	2441.00	0.890
NVNT	ANT1	1-DH5	2480.00	0.886
NVNT	ANT1	2-DH5	2402.00	1.182
NVNT	ANT1	2-DH5	2441.00	1.184
NVNT	ANT1	2-DH5	2480.00	1.183
NVNT	ANT1	3-DH5	2402.00	1.189
NVNT	ANT1	3-DH5	2441.00	1.191
NVNT	ANT1	3-DH5	2480.00	1.188

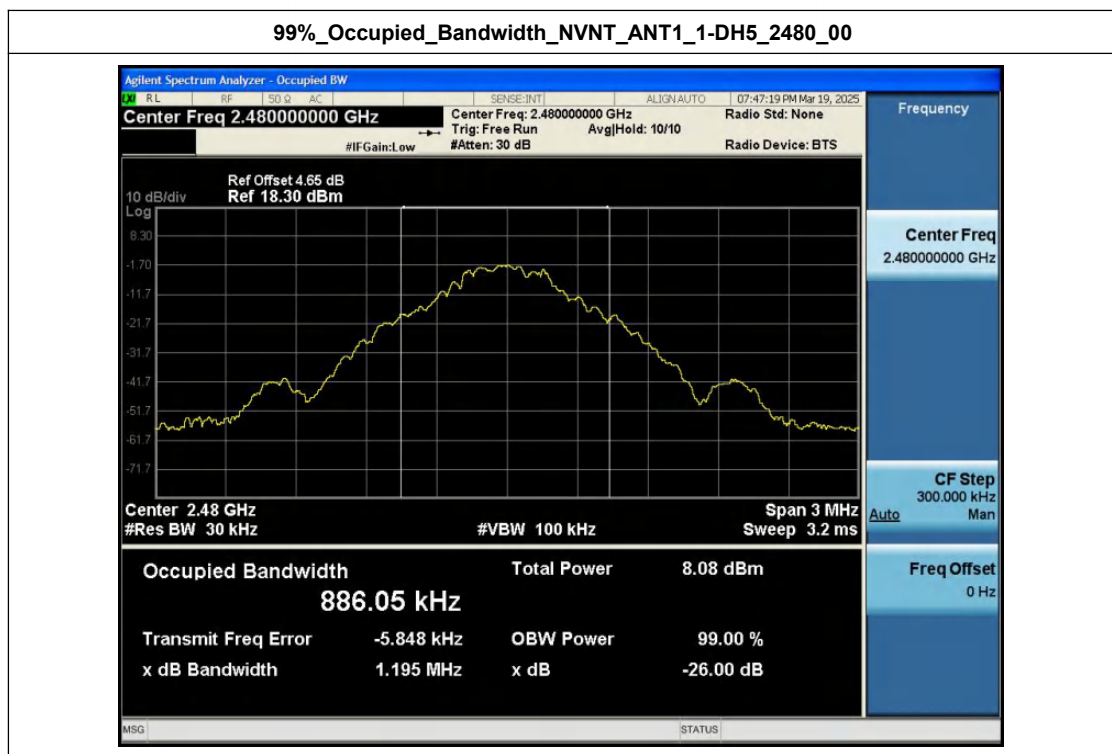
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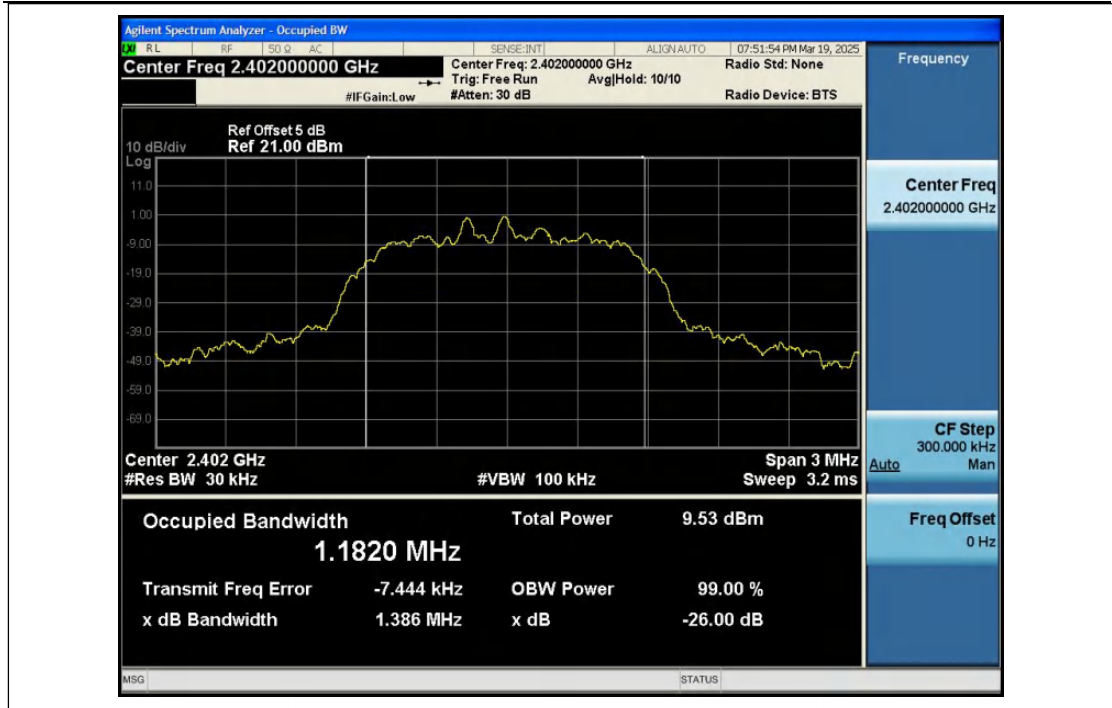
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



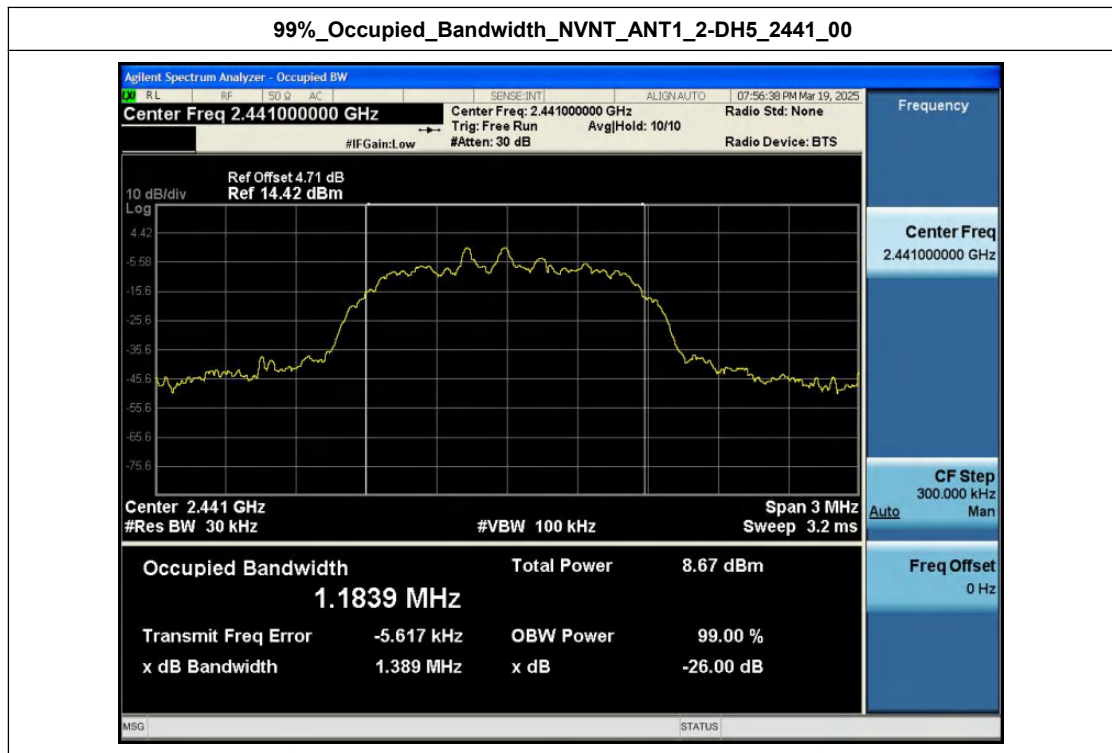
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99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00

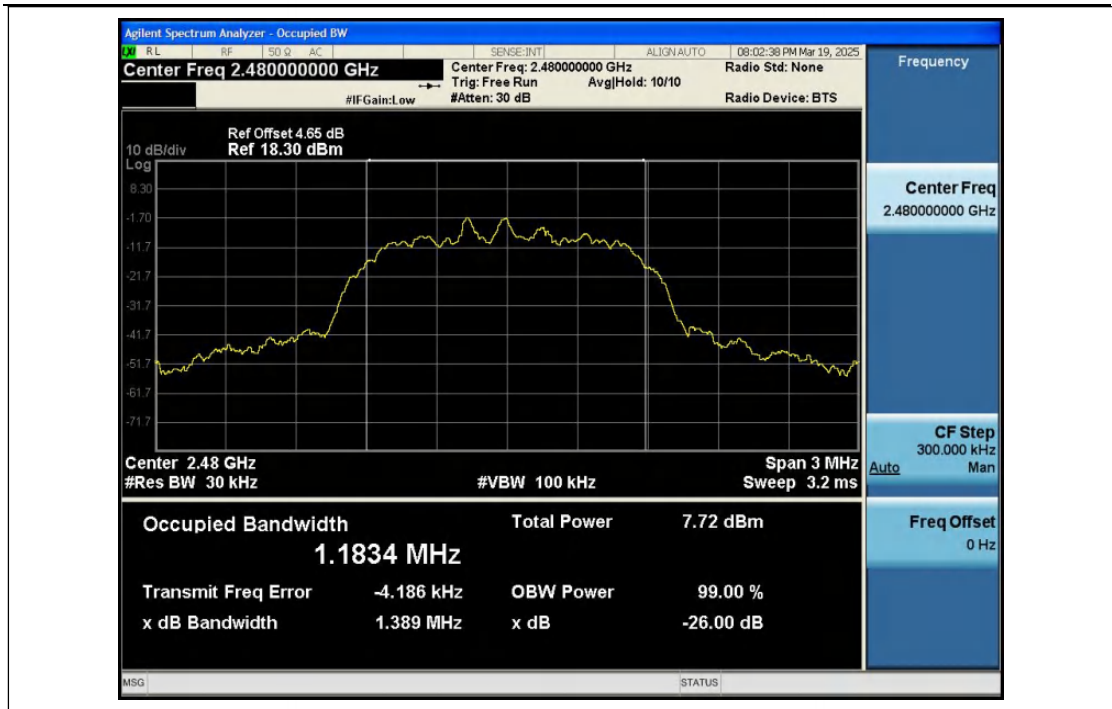


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00

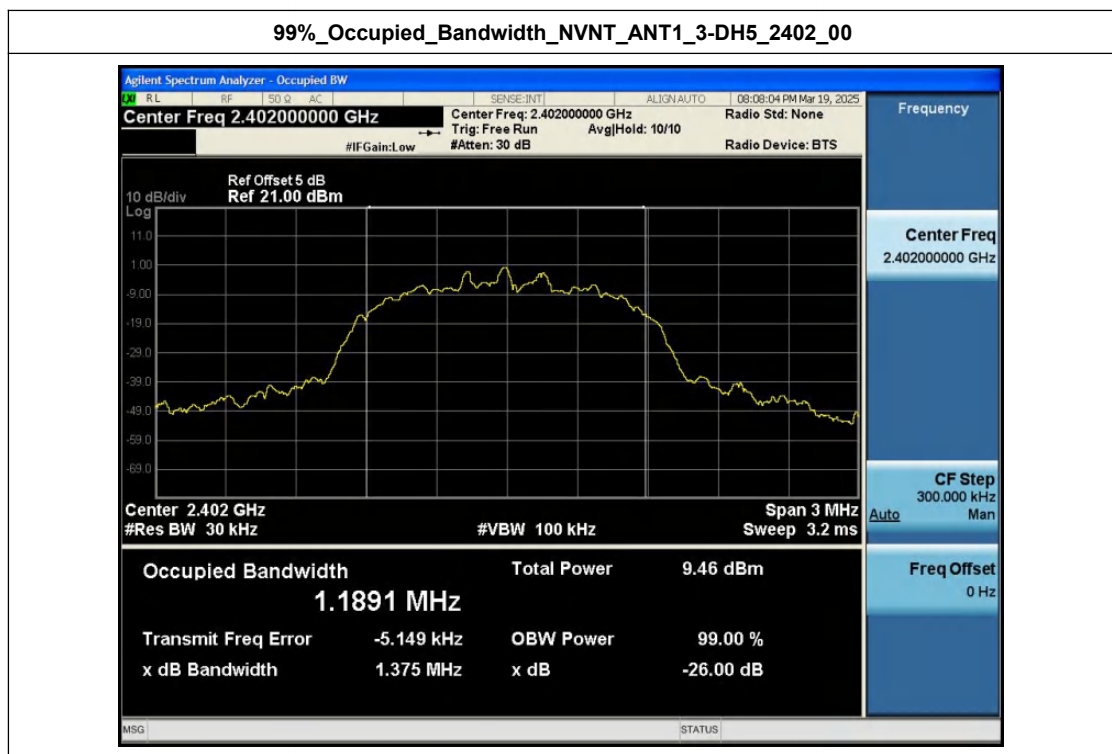


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00

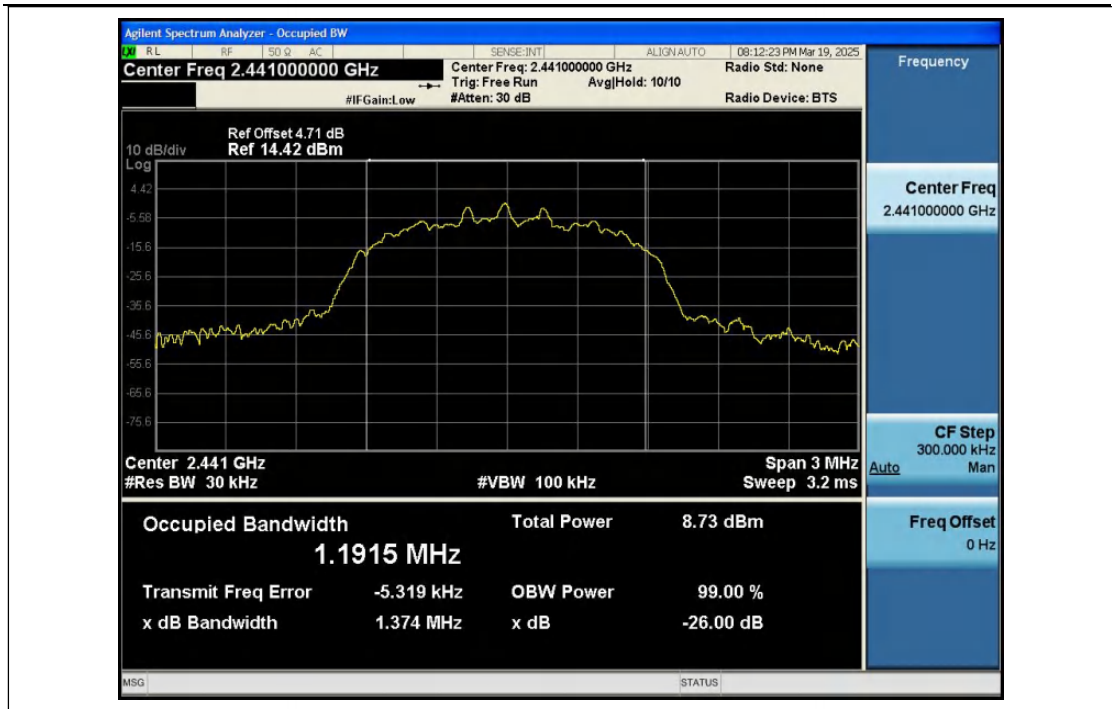




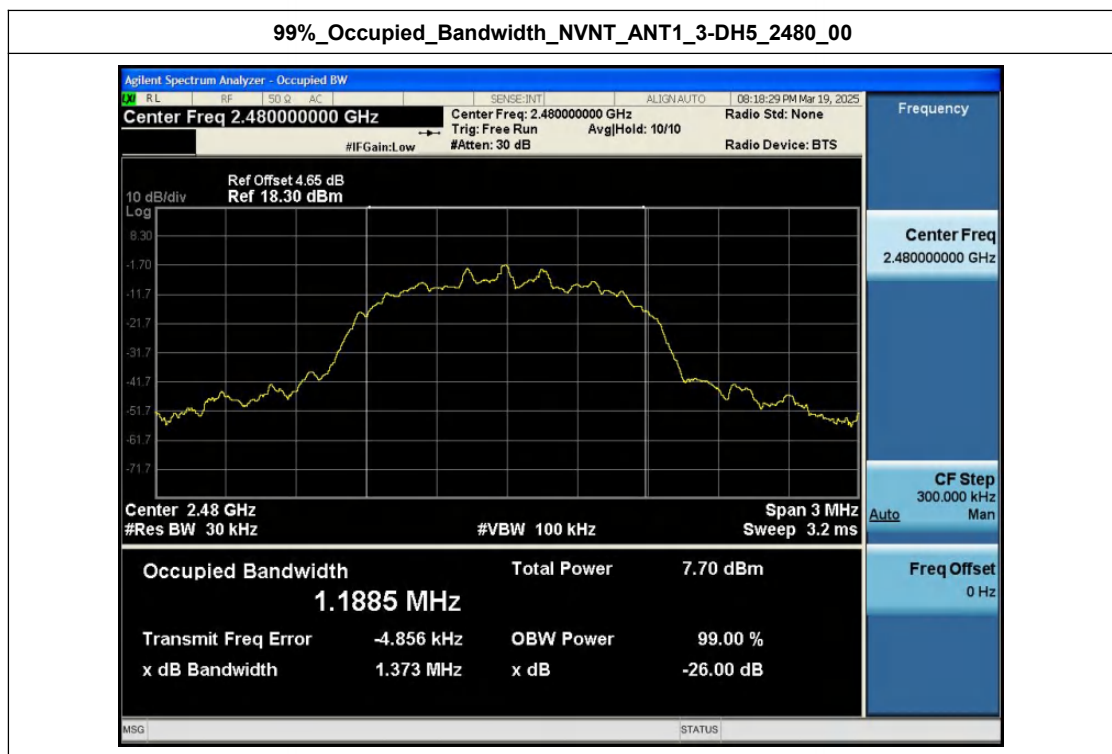
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00



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	2.72	1.87	125	Pass
NVNT	ANT1	1-DH5	2441.00	1.84	1.53	125	Pass
NVNT	ANT1	1-DH5	2480.00	1.03	1.27	125	Pass
NVNT	ANT1	2-DH5	2402.00	3.60	2.29	125	Pass
NVNT	ANT1	2-DH5	2441.00	2.45	1.76	125	Pass
NVNT	ANT1	2-DH5	2480.00	1.94	1.56	125	Pass
NVNT	ANT1	3-DH5	2402.00	4.01	2.52	125	Pass
NVNT	ANT1	3-DH5	2441.00	2.82	1.91	125	Pass
NVNT	ANT1	3-DH5	2480.00	2.28	1.69	125	Pass

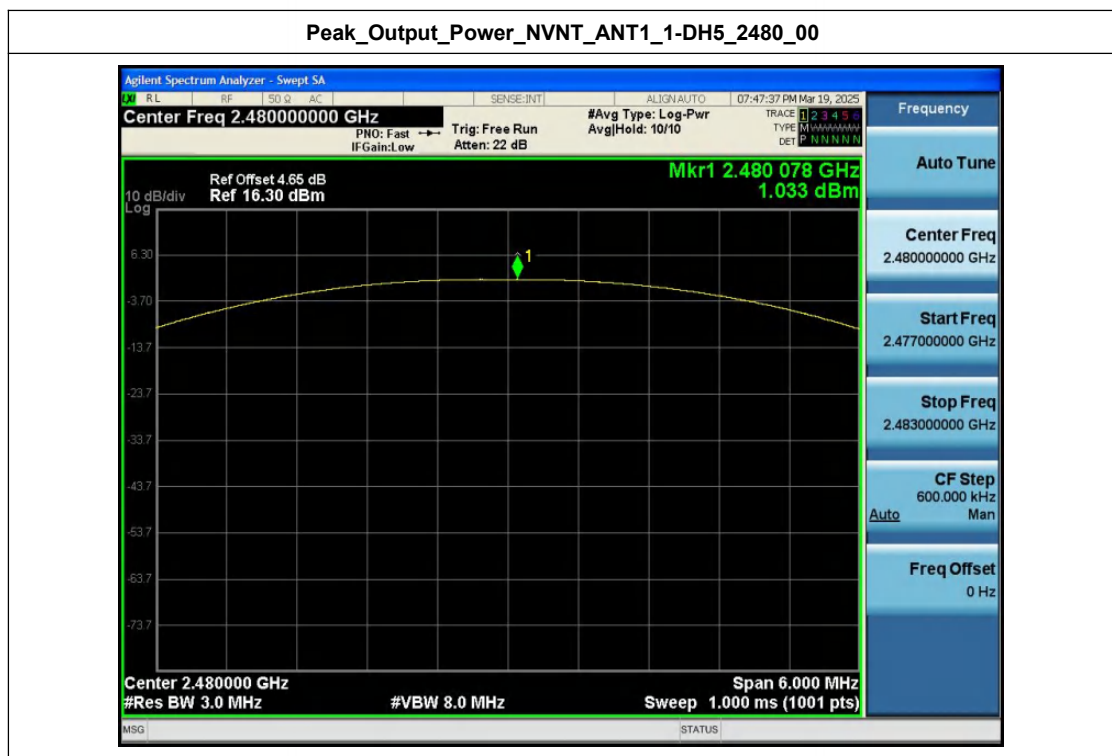
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Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



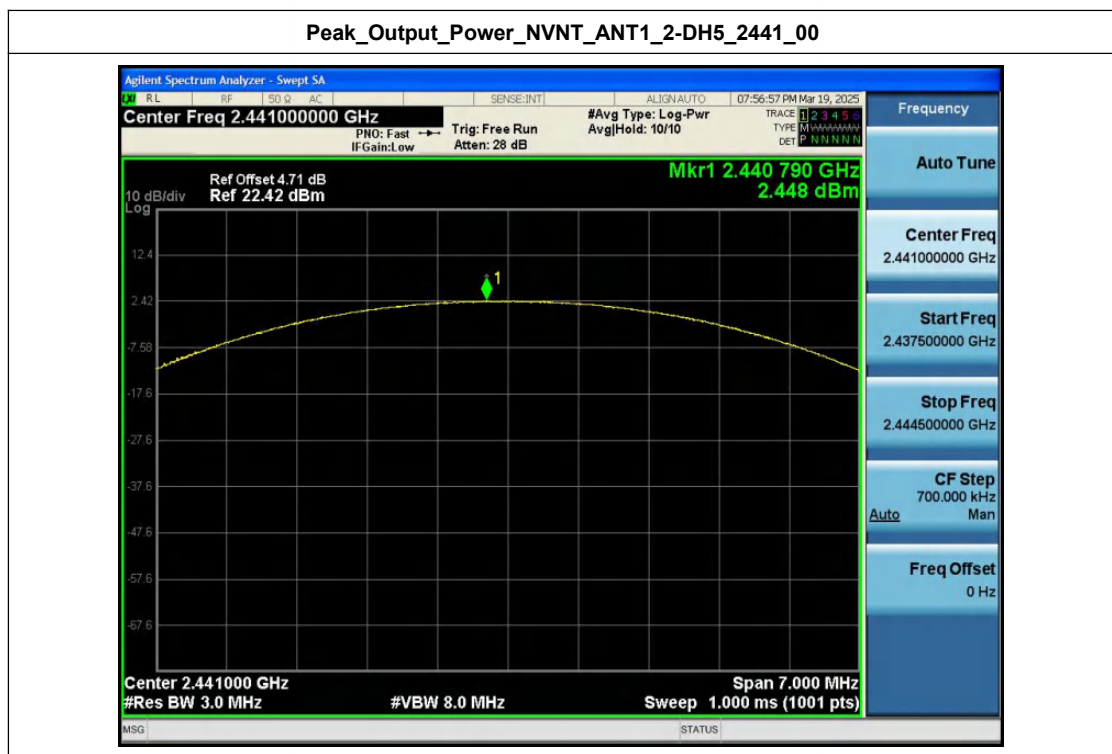
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00



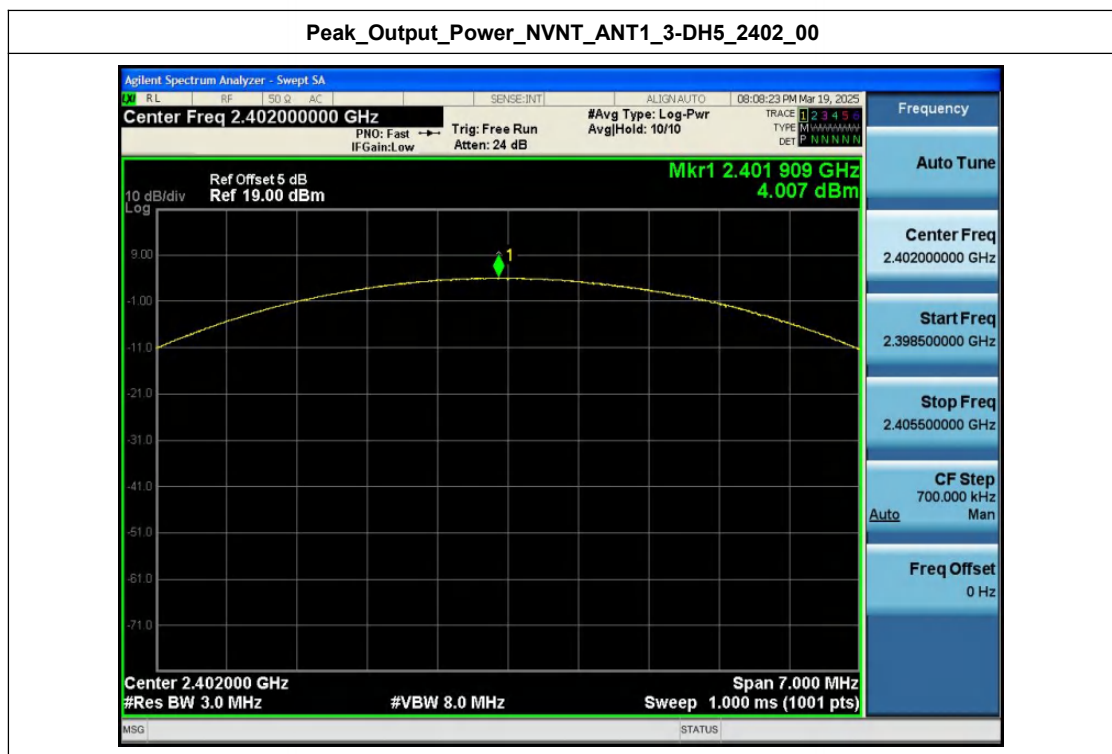
Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



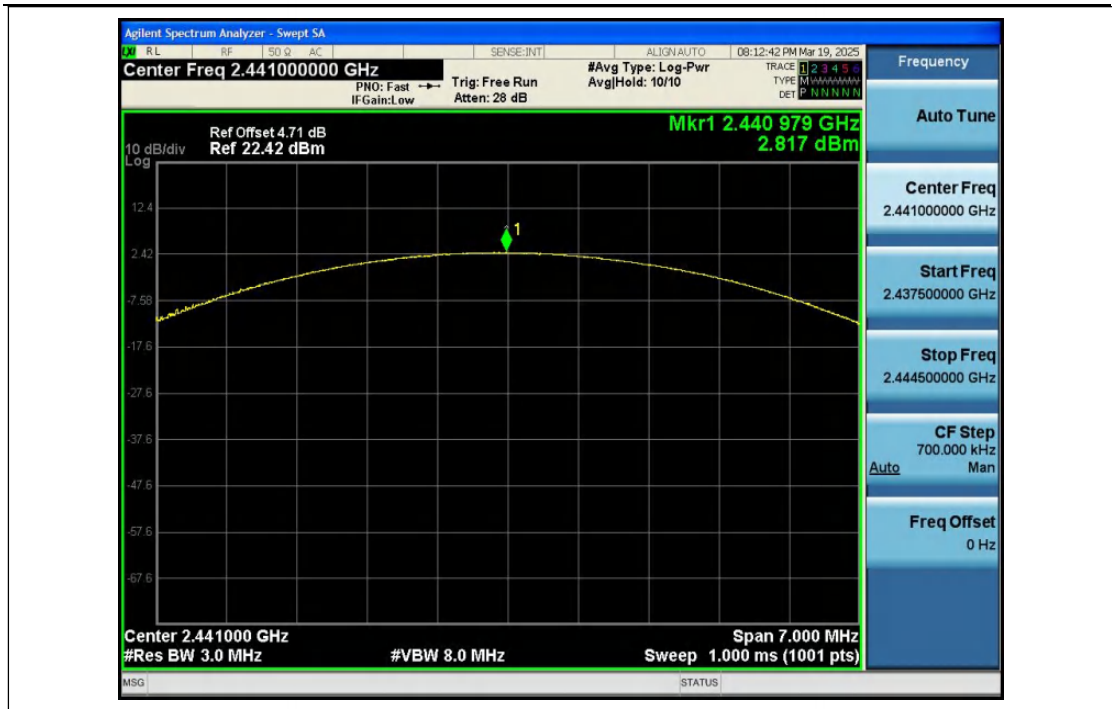
Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



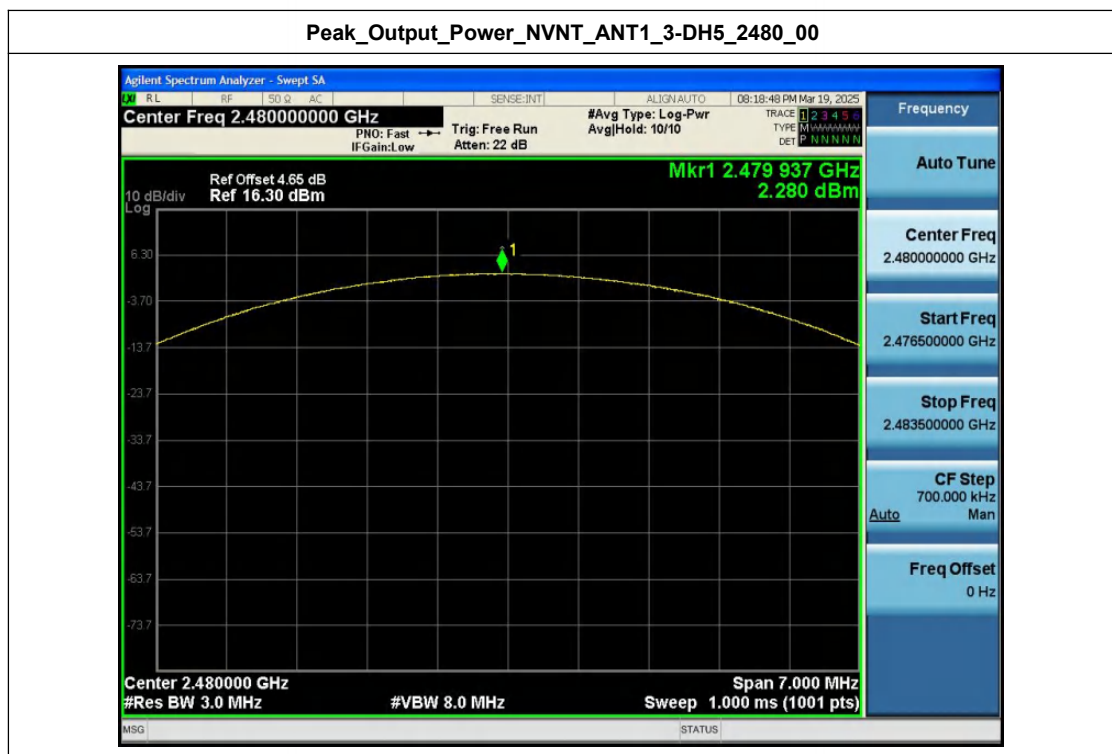
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



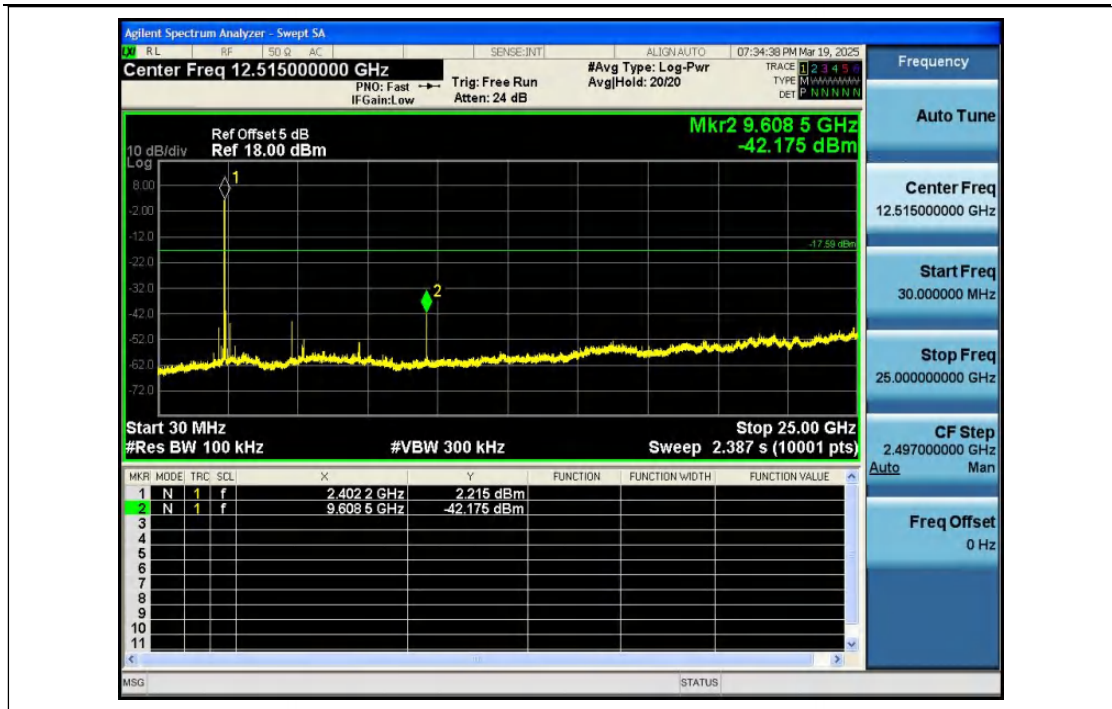
Appendix E: Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit [dBm]	Result
NVNT	ANT1	1-DH5	2402.00	2.408	-42.175	-17.592	Pass
NVNT	ANT1	1-DH5	2441.00	1.335	-42.595	-18.665	Pass
NVNT	ANT1	1-DH5	2480.00	0.571	-43.335	-19.429	Pass
NVNT	ANT1	2-DH5	2402.00	2.497	-41.929	-17.503	Pass
NVNT	ANT1	2-DH5	2441.00	1.209	-42.392	-18.791	Pass
NVNT	ANT1	2-DH5	2480.00	0.530	-42.959	-19.470	Pass
NVNT	ANT1	3-DH5	2402.00	2.446	-42.053	-17.554	Pass
NVNT	ANT1	3-DH5	2441.00	1.282	-42.764	-18.718	Pass
NVNT	ANT1	3-DH5	2480.00	0.749	-42.930	-19.251	Pass

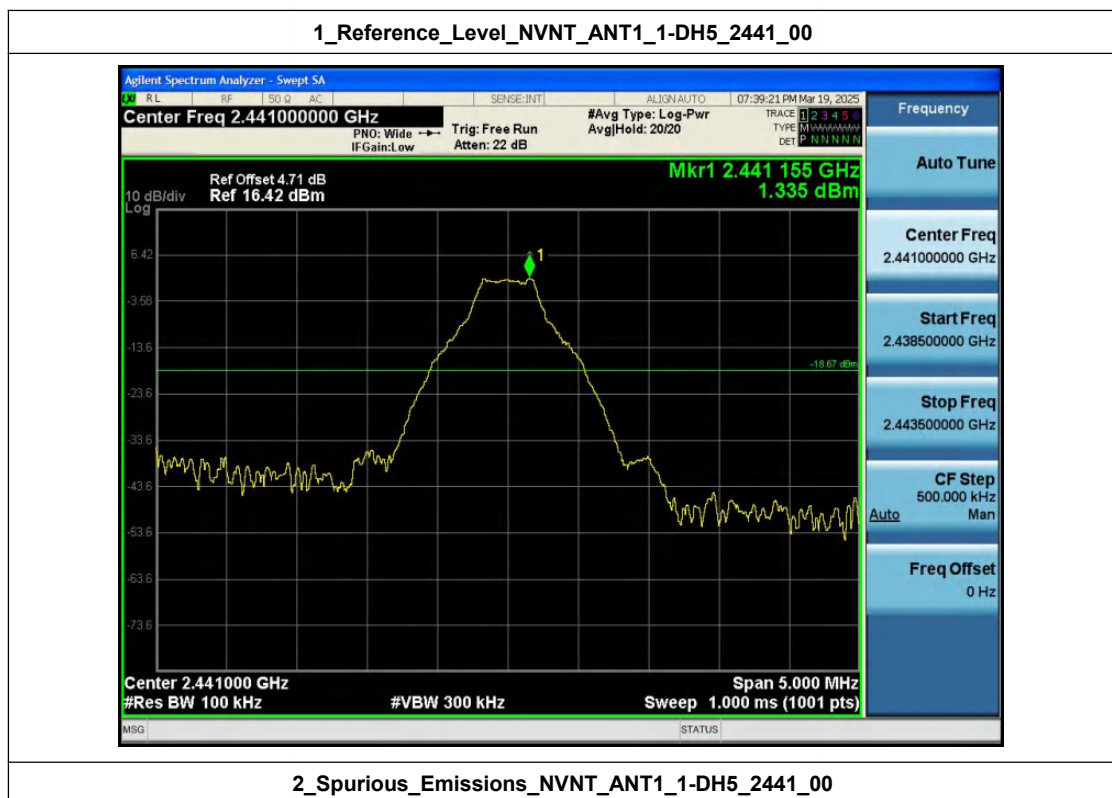
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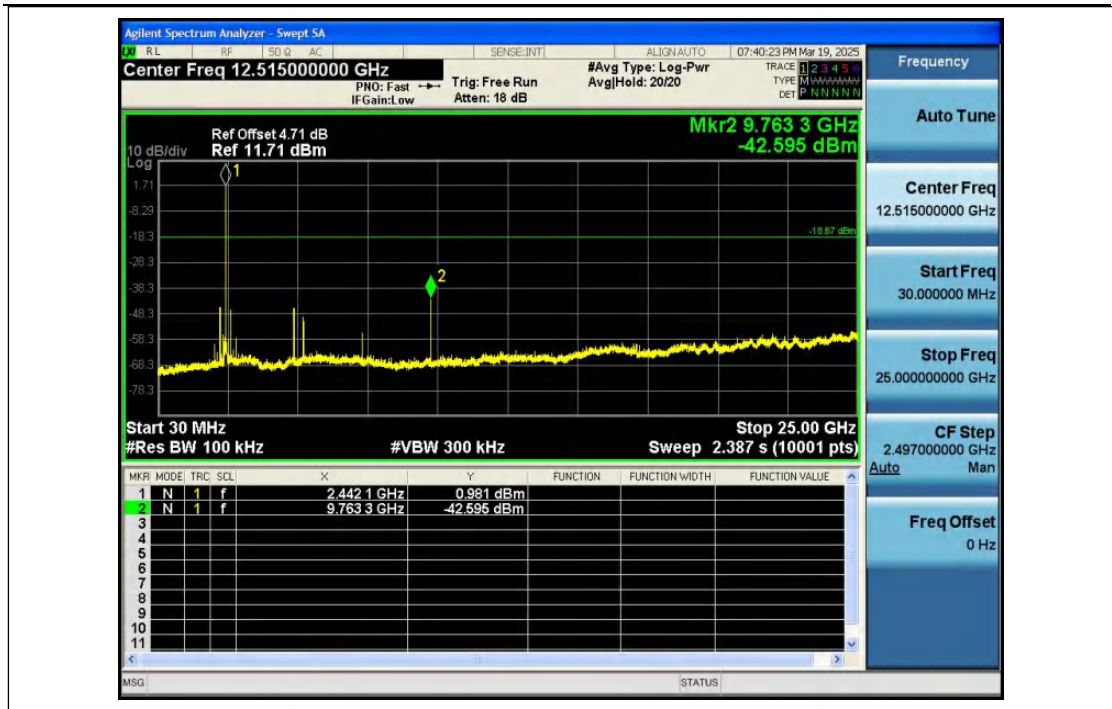
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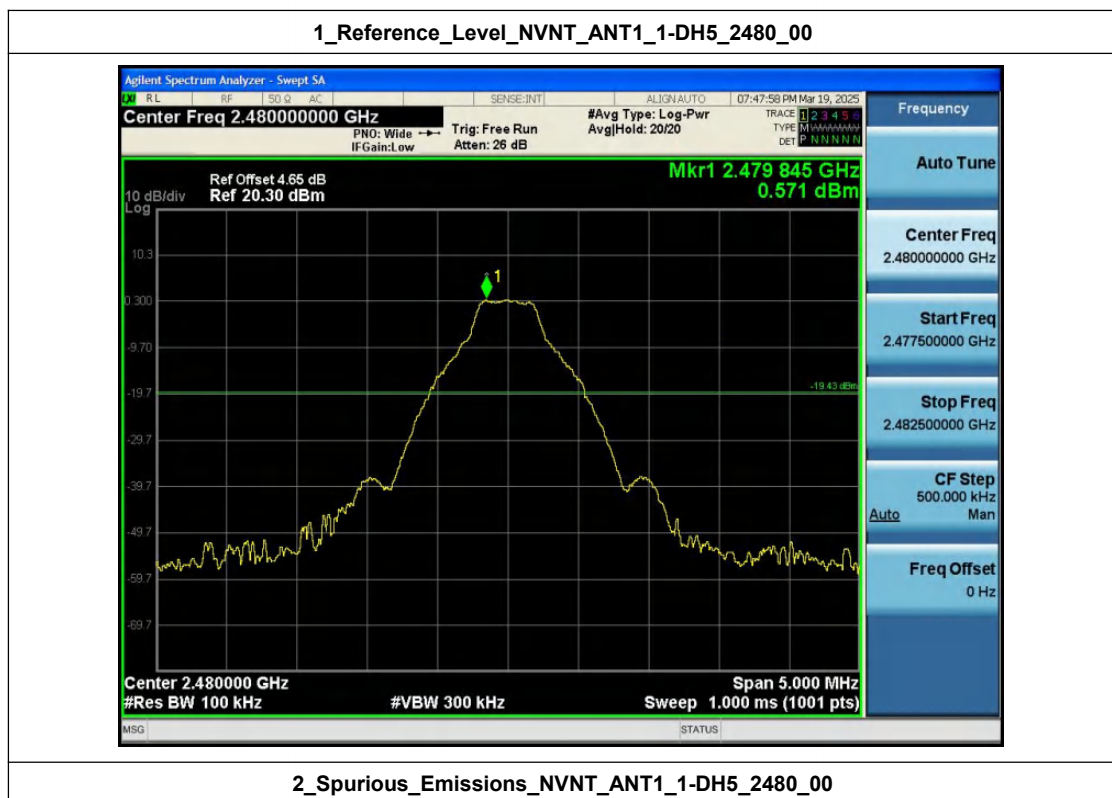
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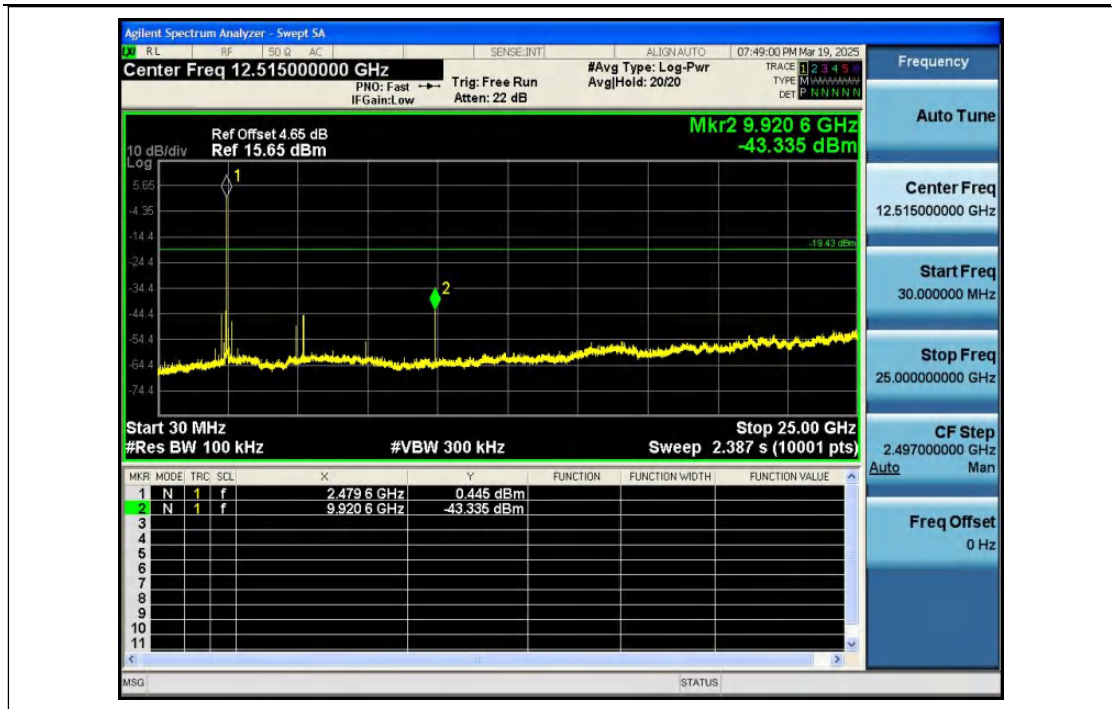
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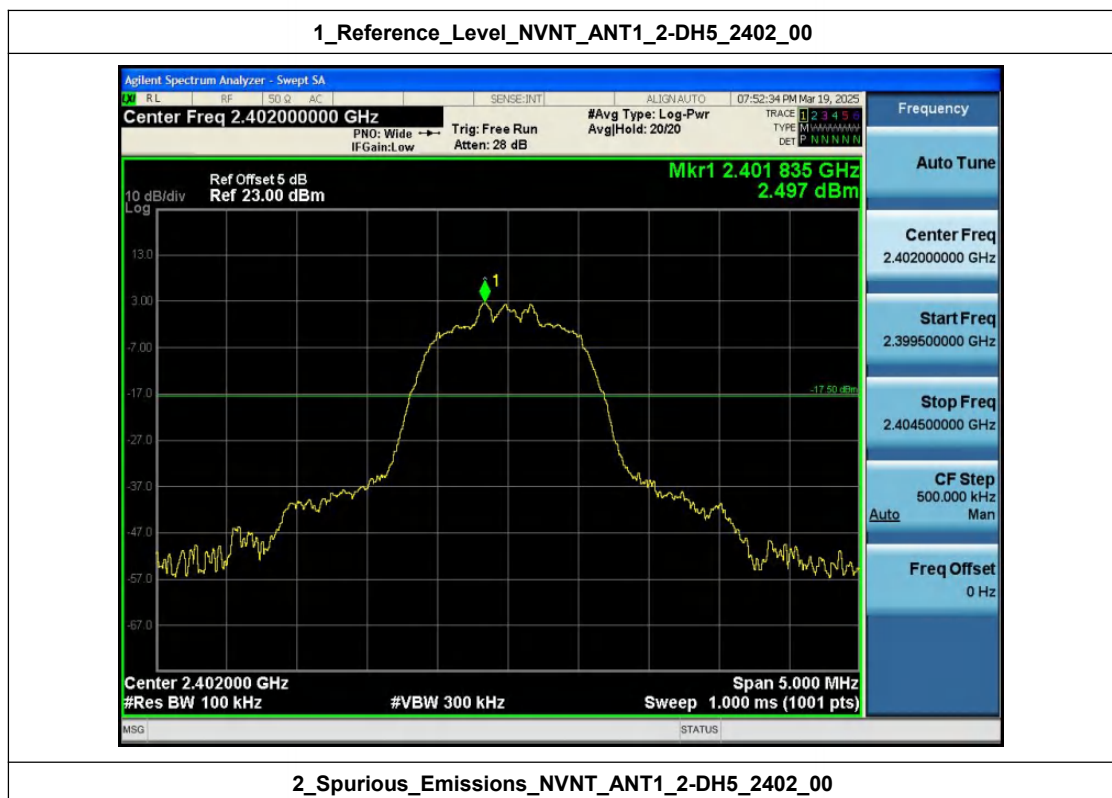
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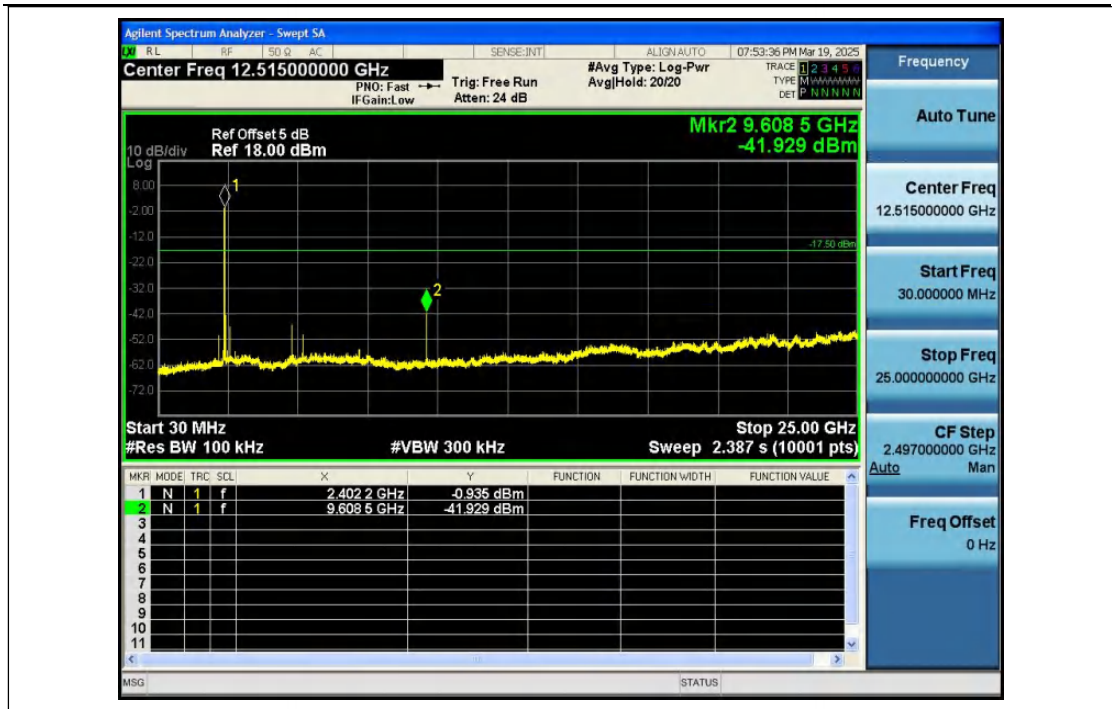
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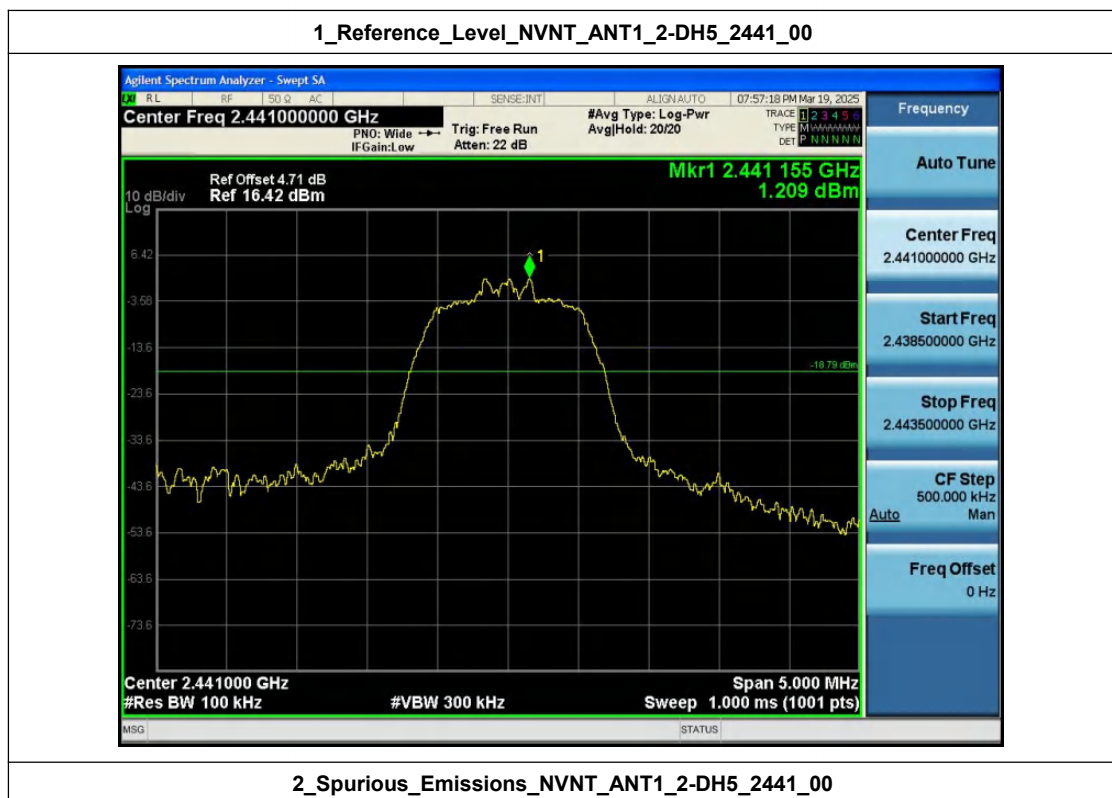
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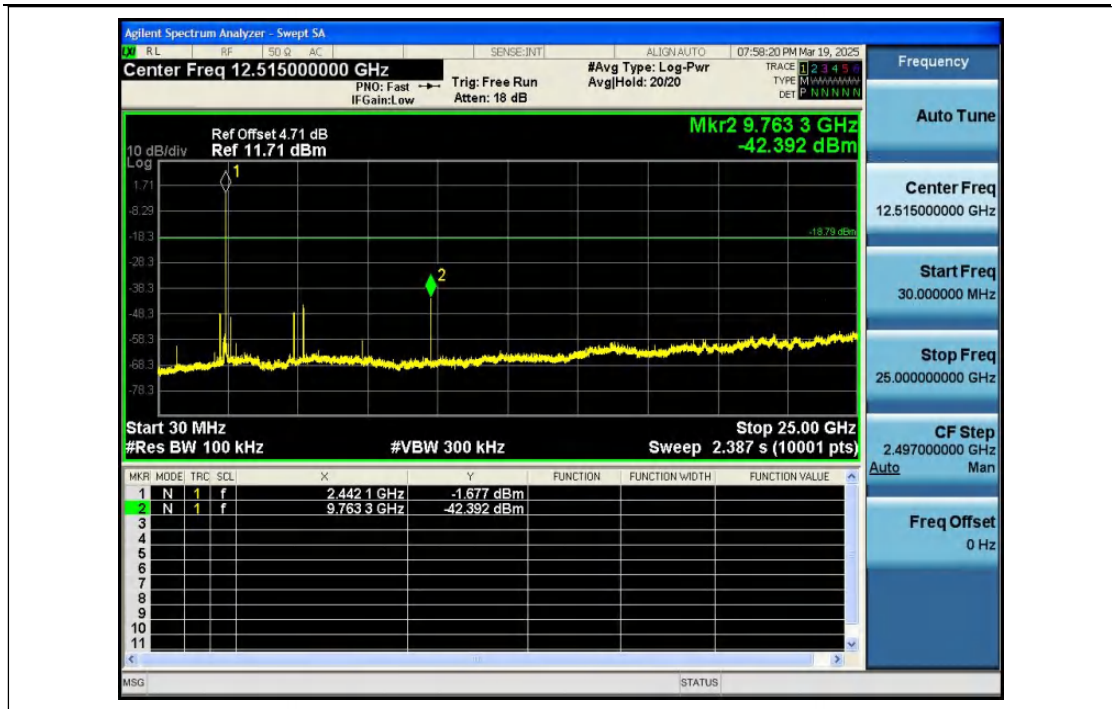
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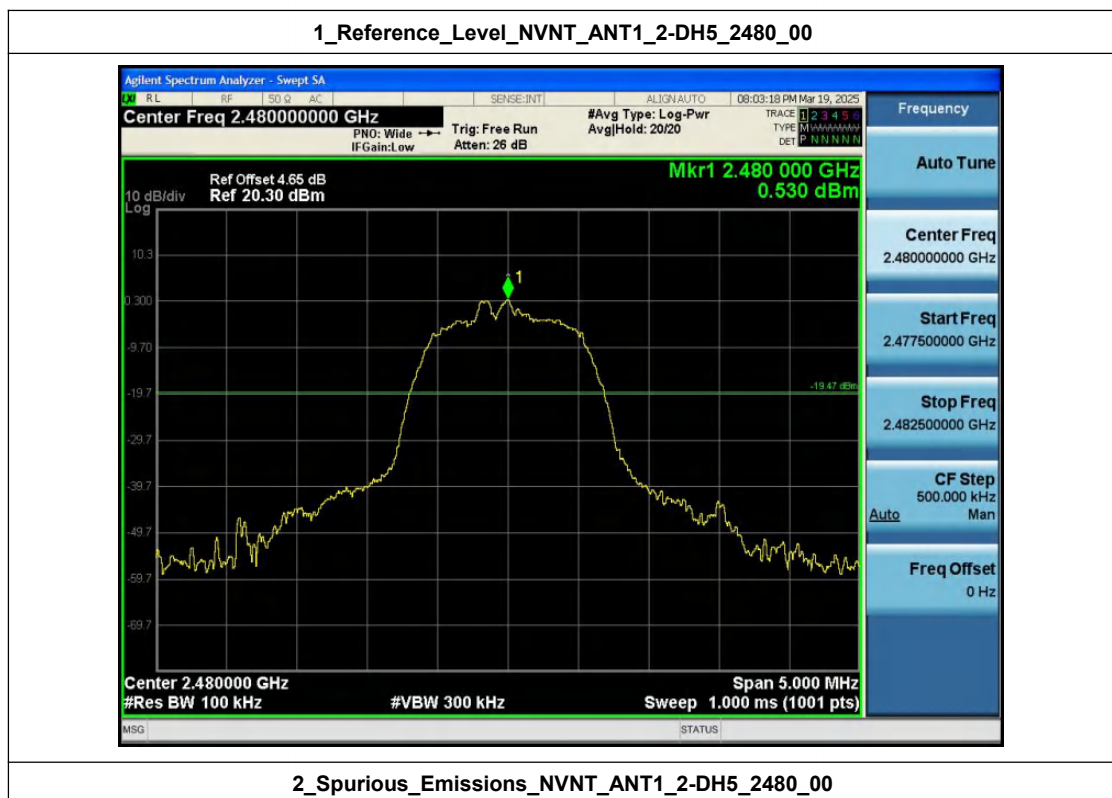
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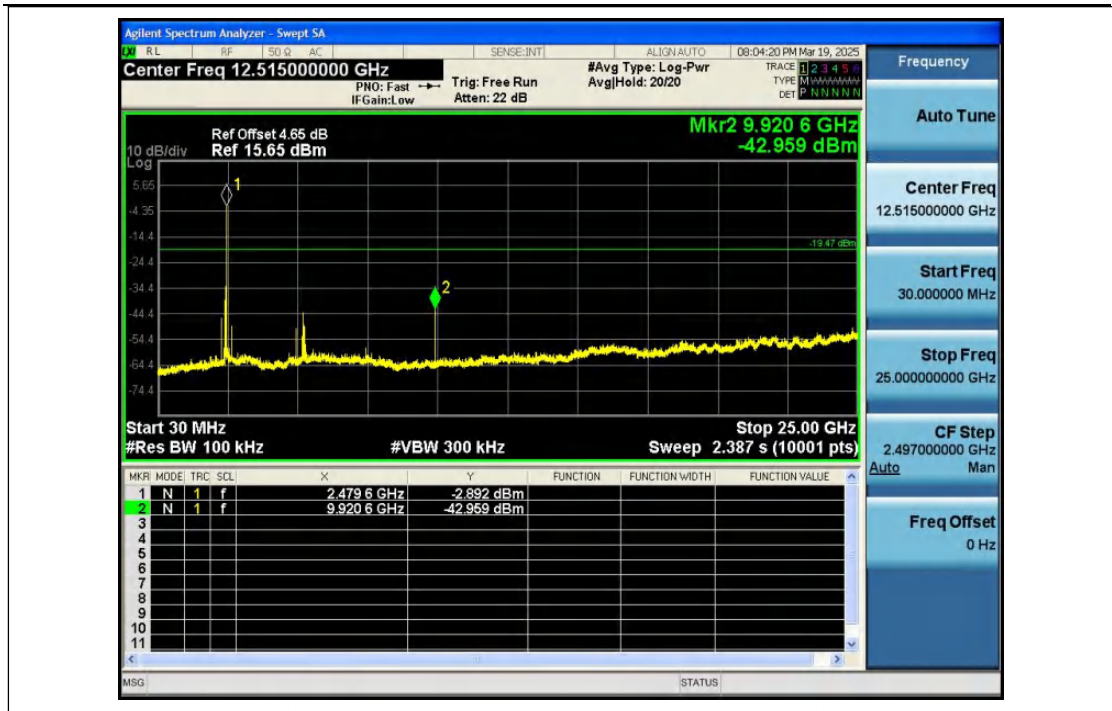
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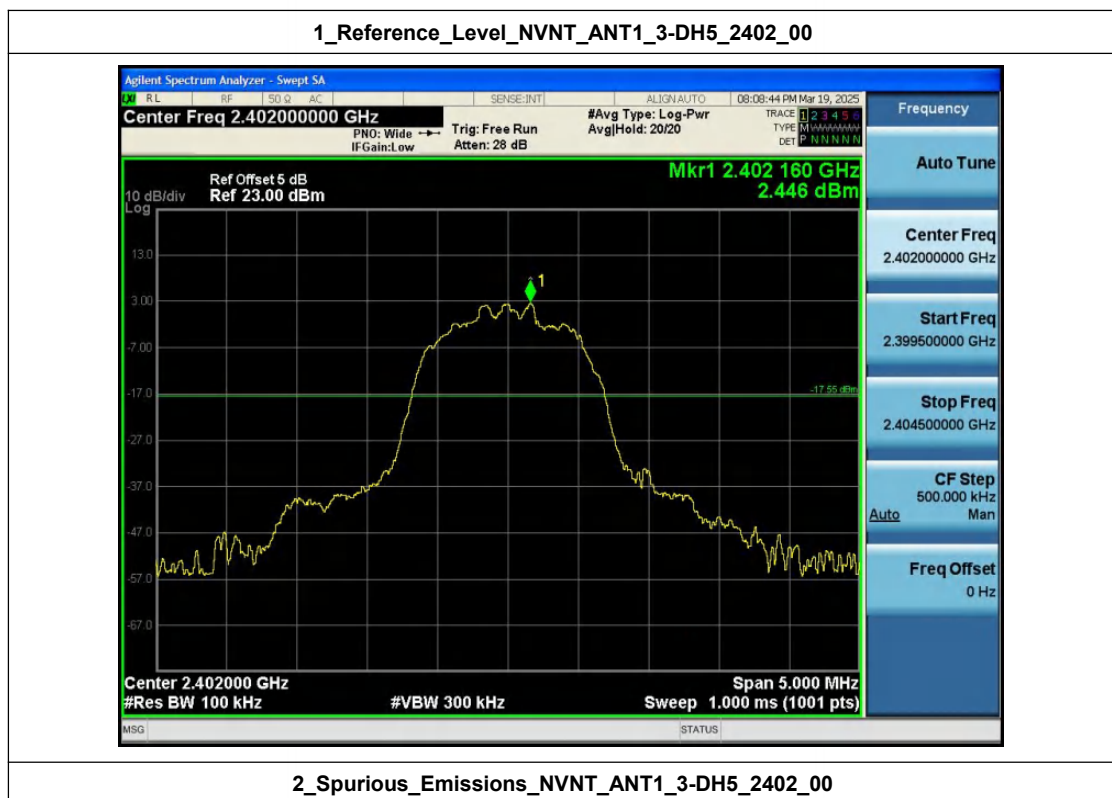
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2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



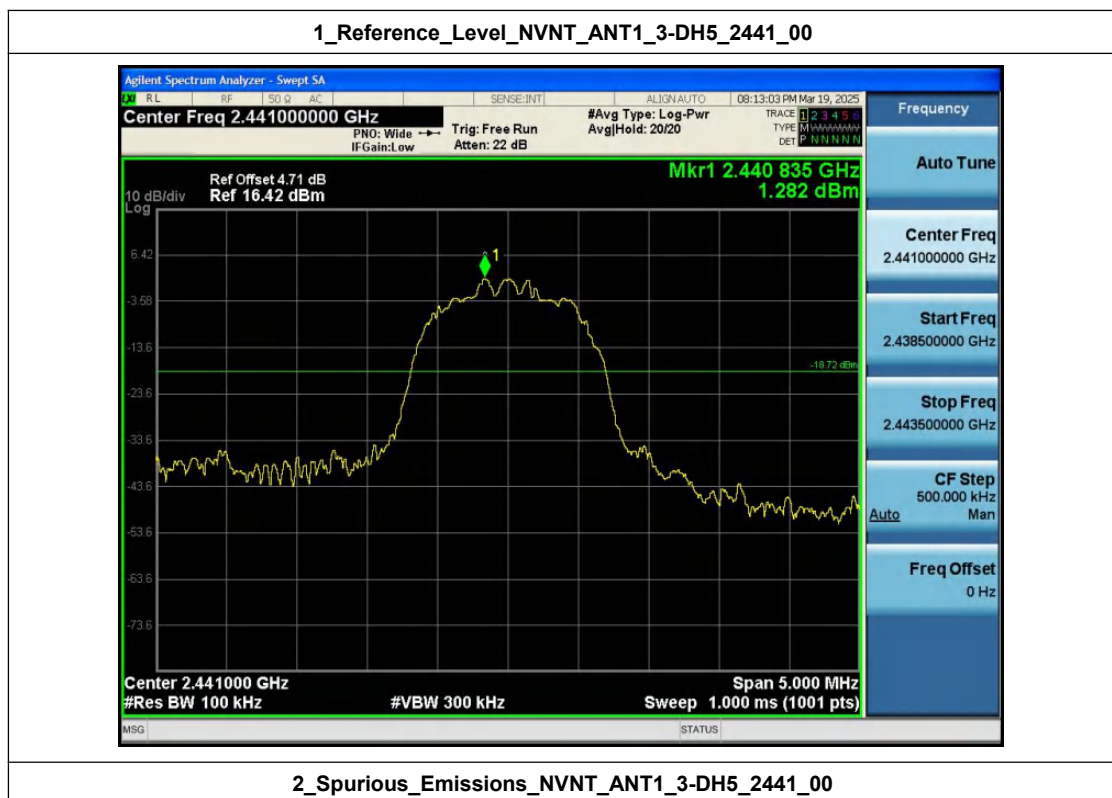
1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



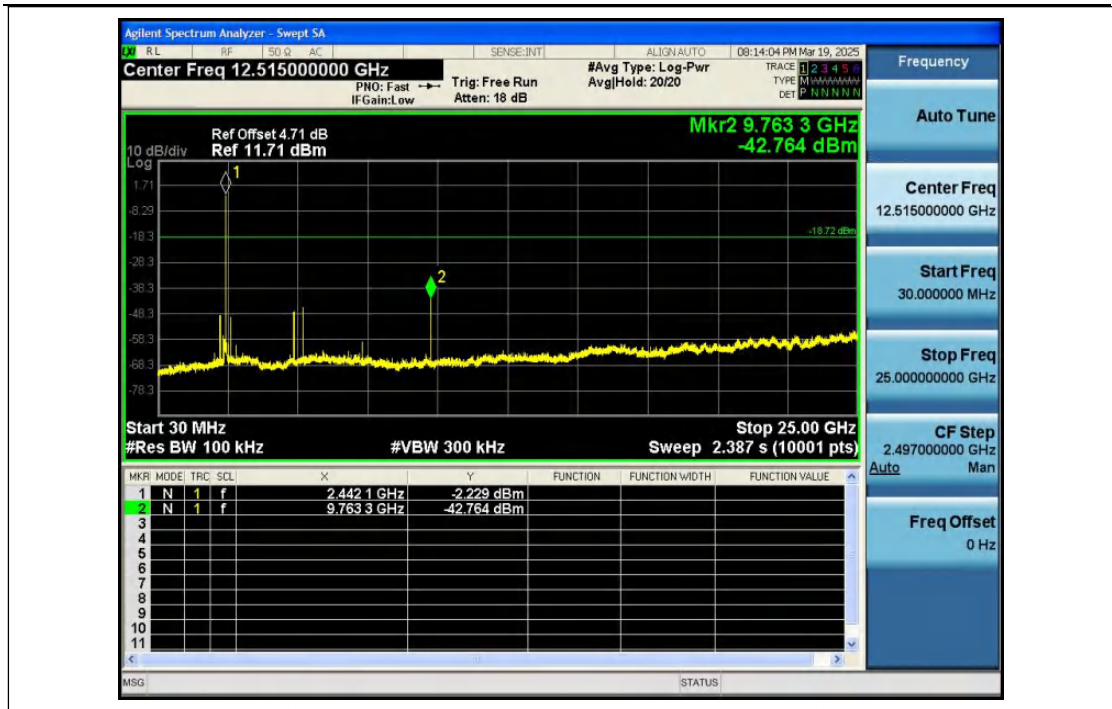
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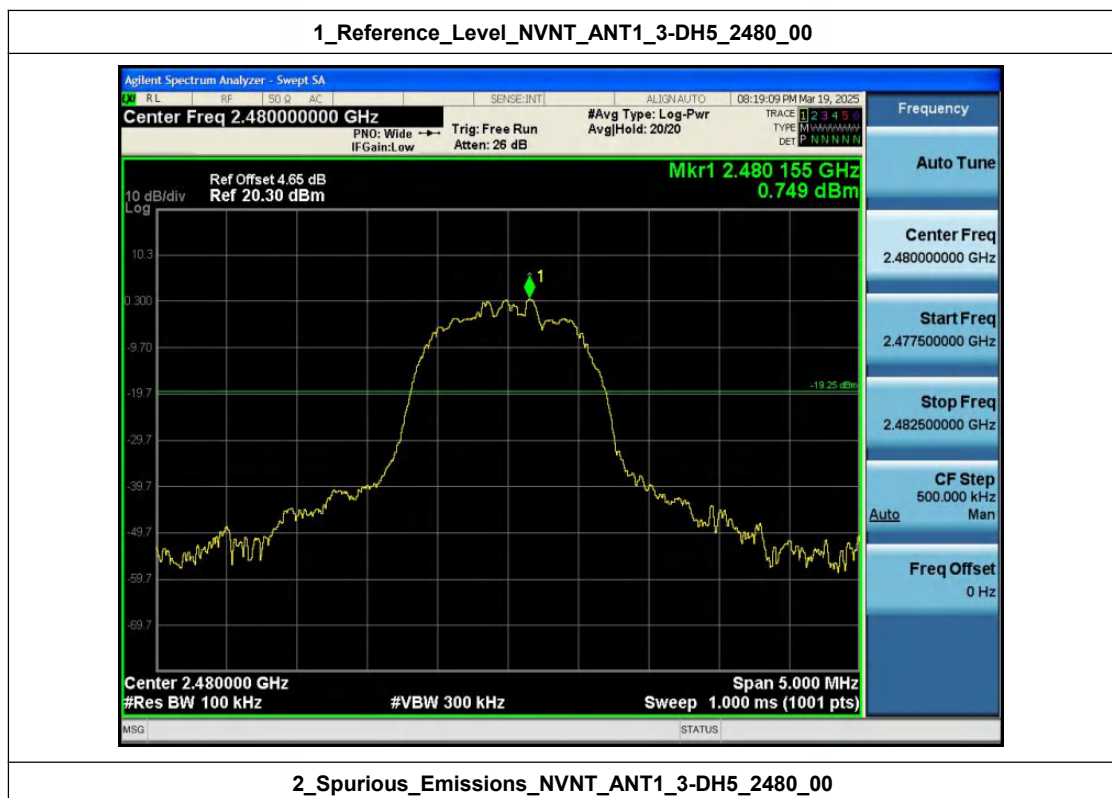
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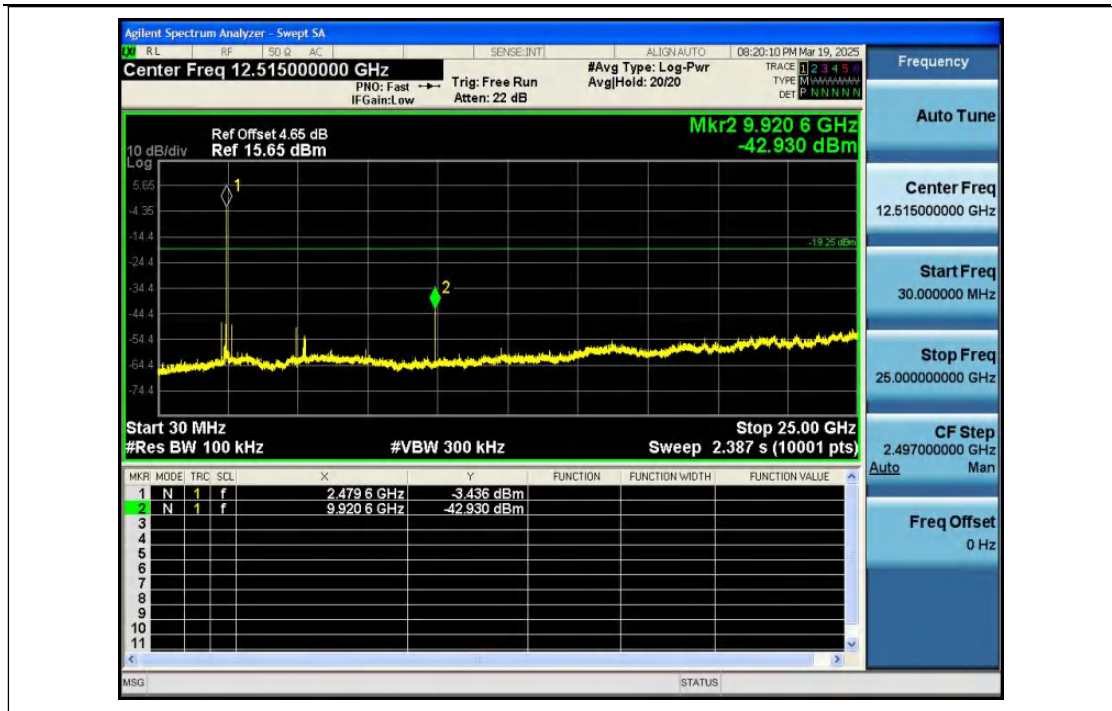
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



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(dBm)	Limit dBm	Result
NVNT	ANT1	1-DH5	2402.00	2.408	-49.288	-17.592	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	2.279	-50.165	-17.721	Pass
NVNT	ANT1	1-DH5	2480.00	0.571	-59.180	-19.429	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-0.771	-59.472	-20.771	Pass
NVNT	ANT1	2-DH5	2402.00	2.497	-50.009	-17.503	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	2.485	-56.286	-17.515	Pass
NVNT	ANT1	2-DH5	2480.00	0.530	-59.087	-19.470	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	2.171	-55.665	-17.829	Pass
NVNT	ANT1	3-DH5	2402.00	2.446	-49.365	-17.554	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	2.328	-56.081	-17.672	Pass
NVNT	ANT1	3-DH5	2480.00	0.749	-59.362	-19.251	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	2.009	-56.383	-17.991	Pass

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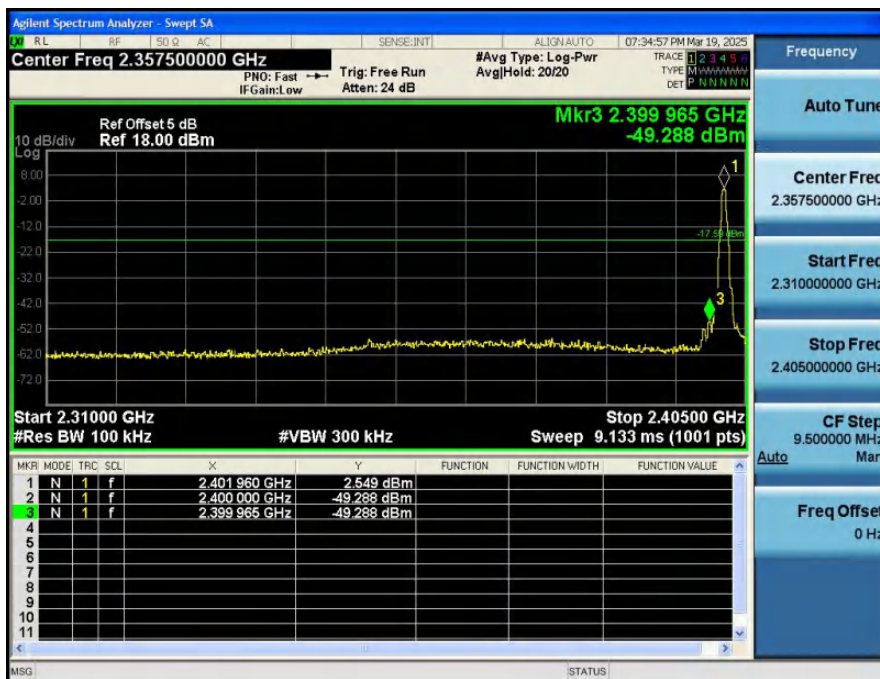
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

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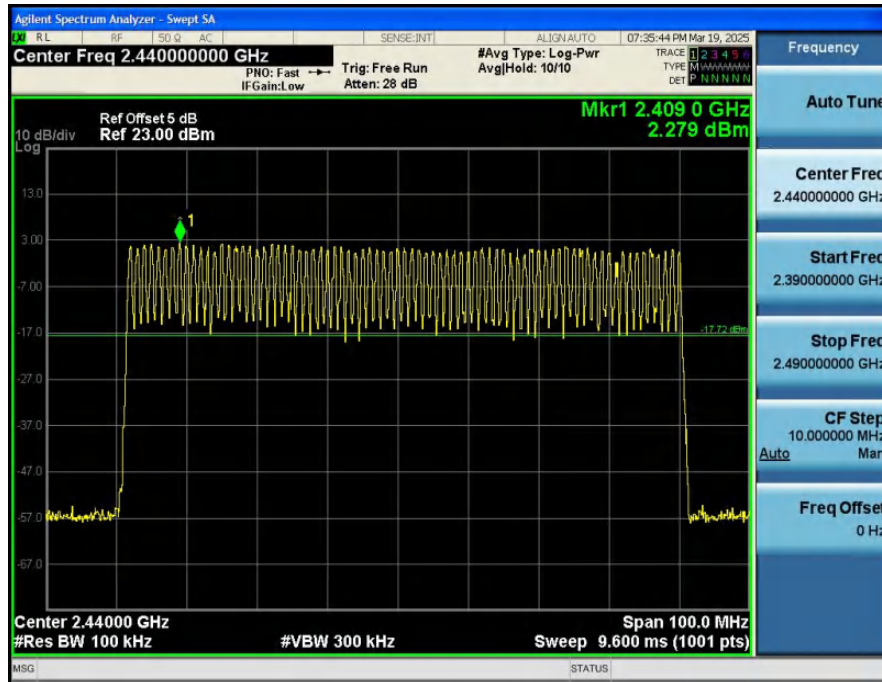
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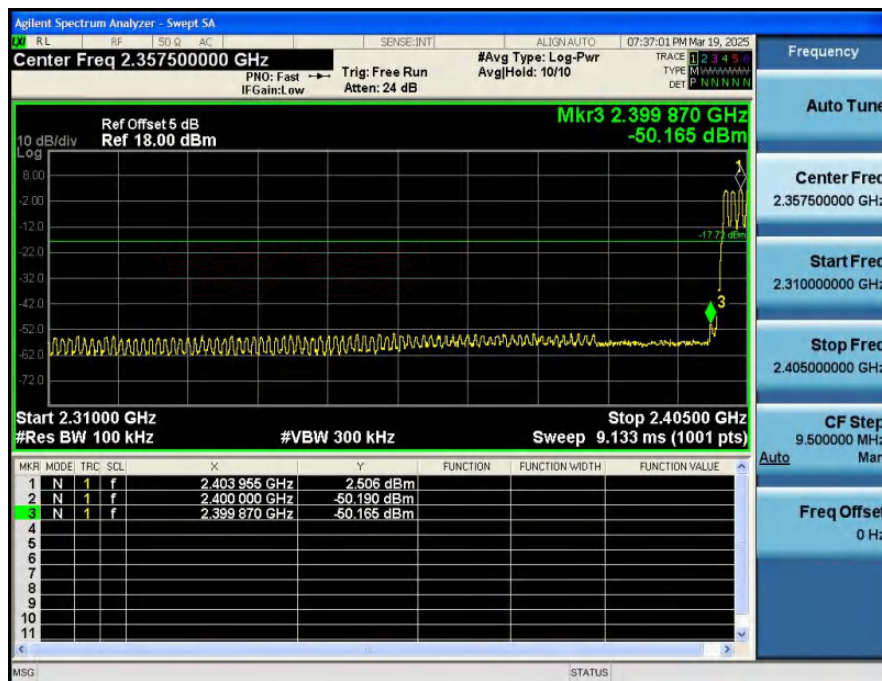
2_Bandedge_NVNT_ANT1_1-DH5_2402_00



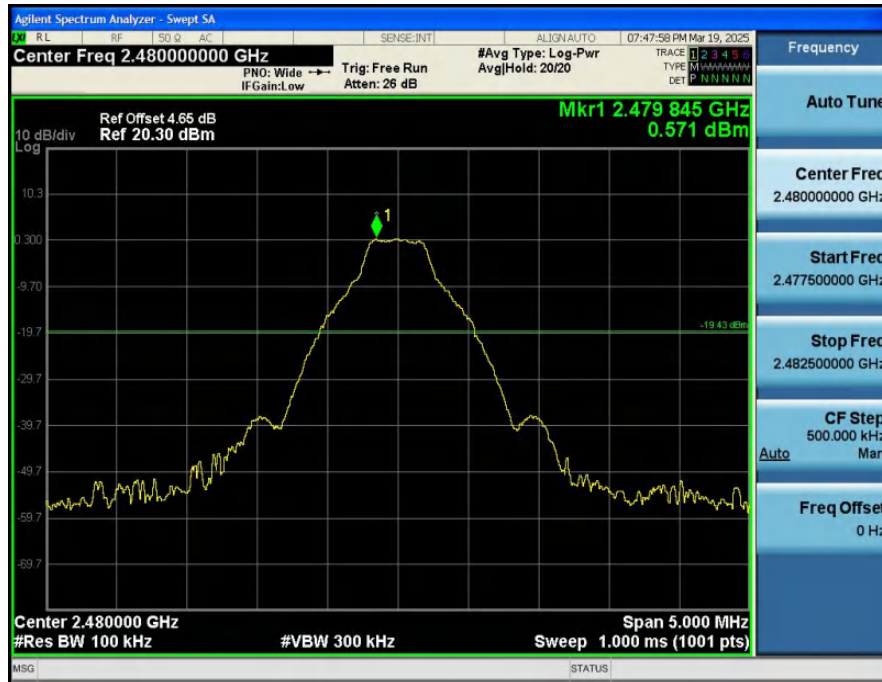
1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



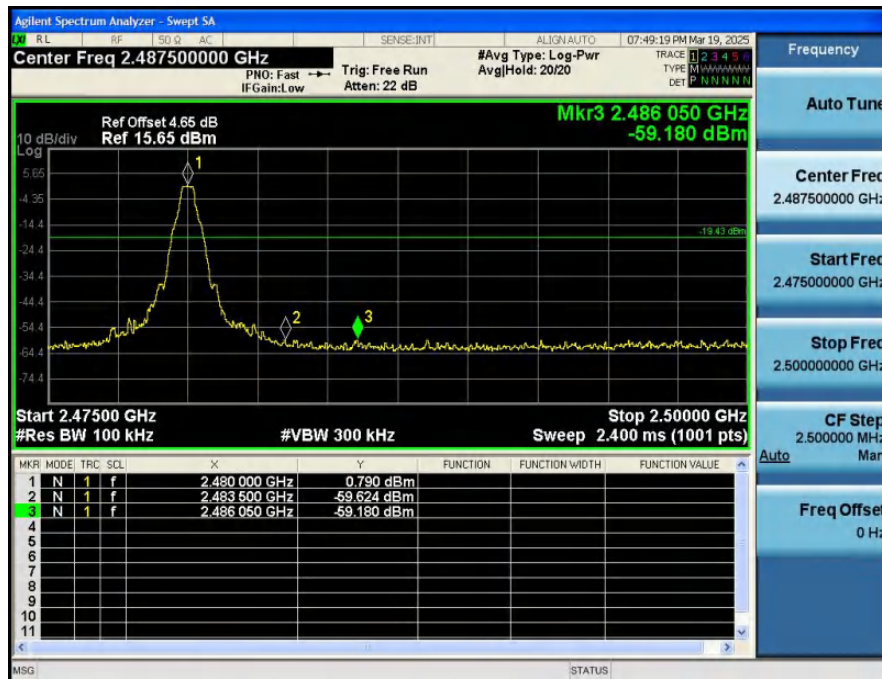
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



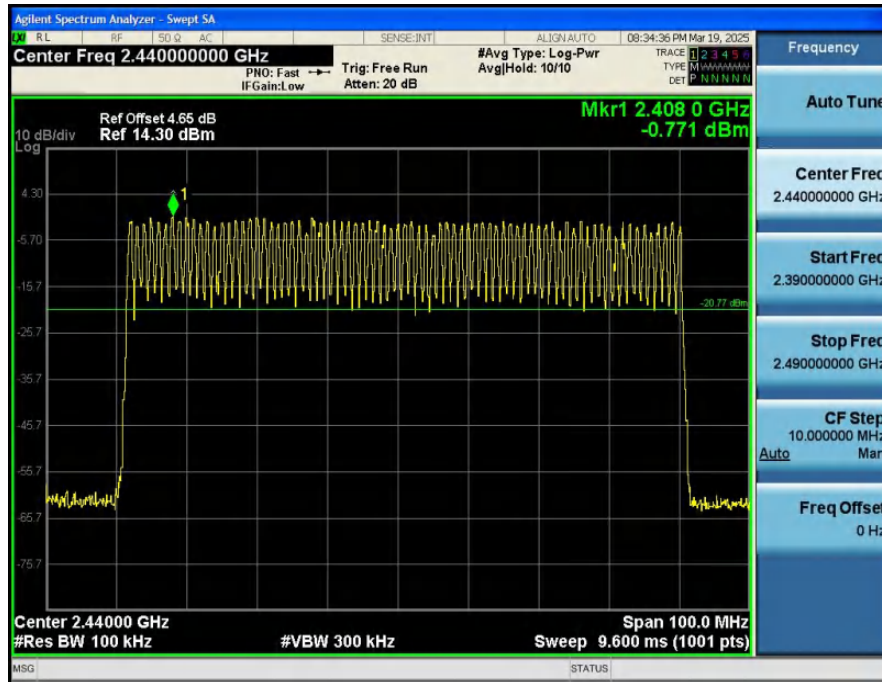
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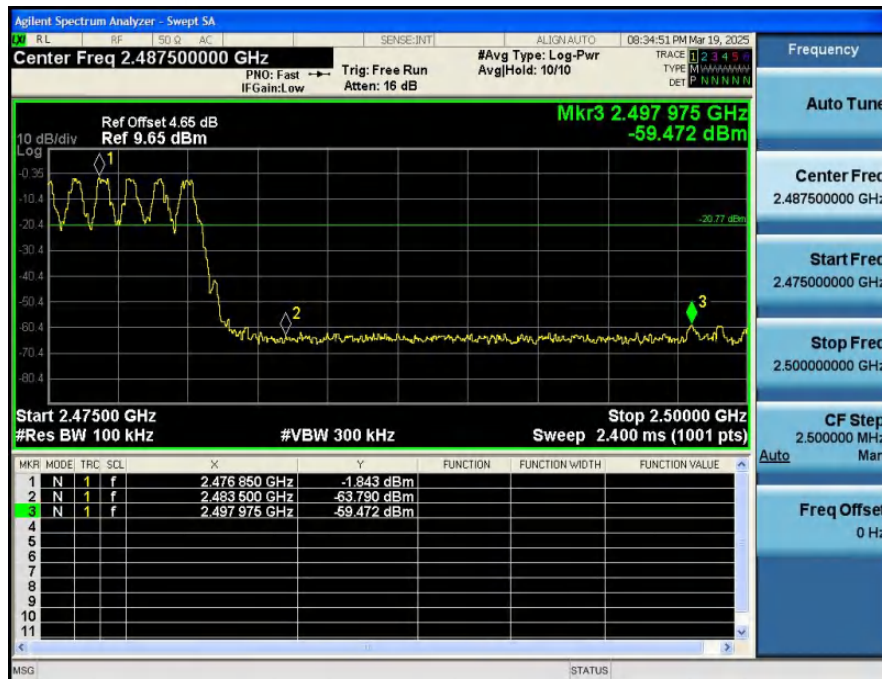
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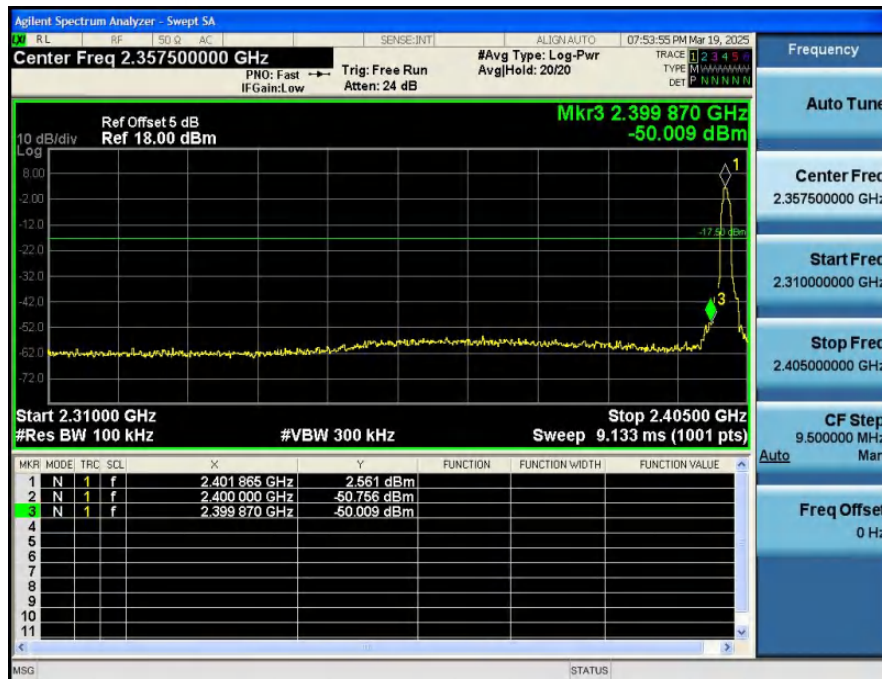
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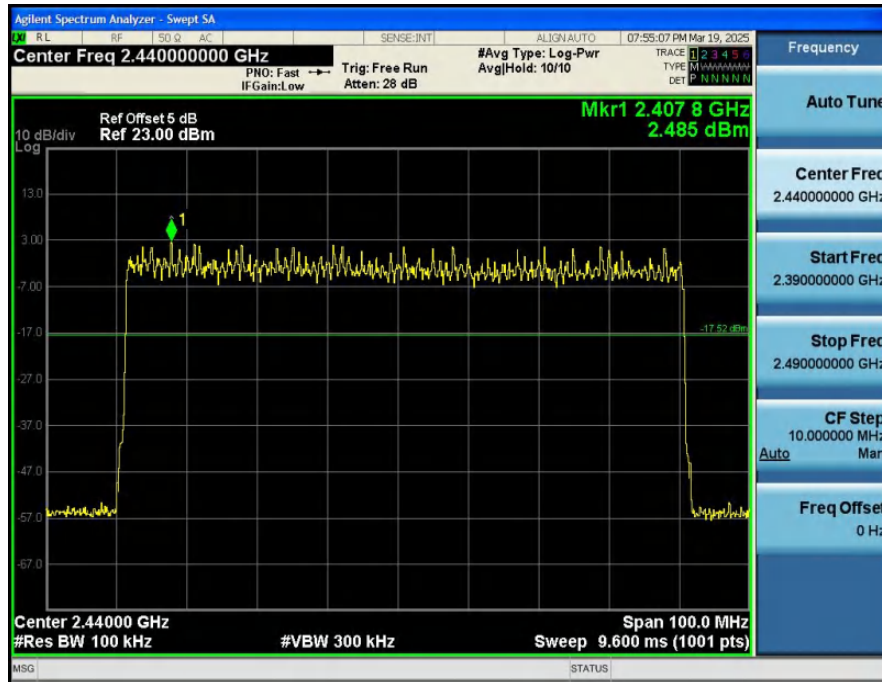
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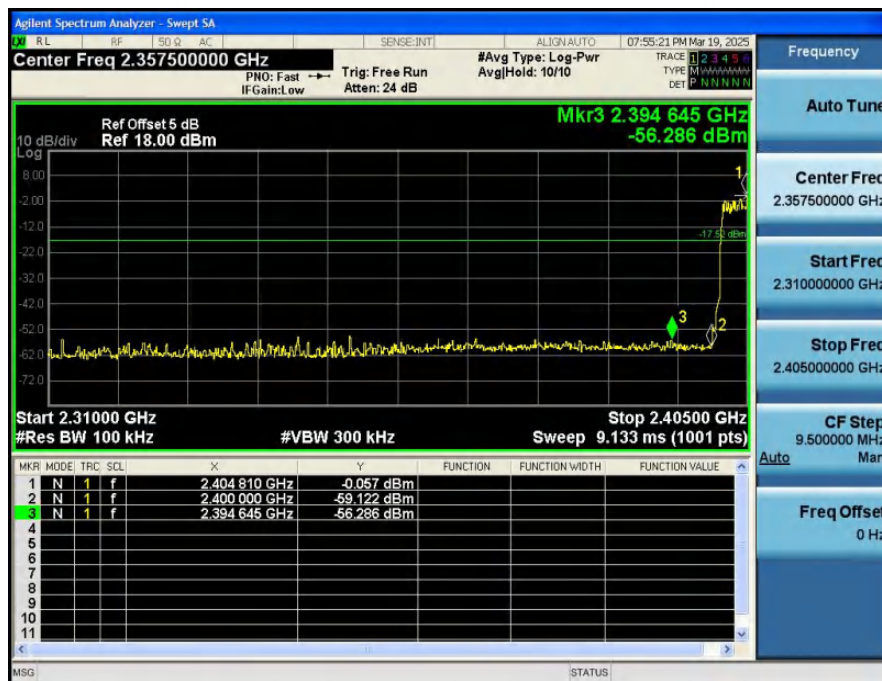
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1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



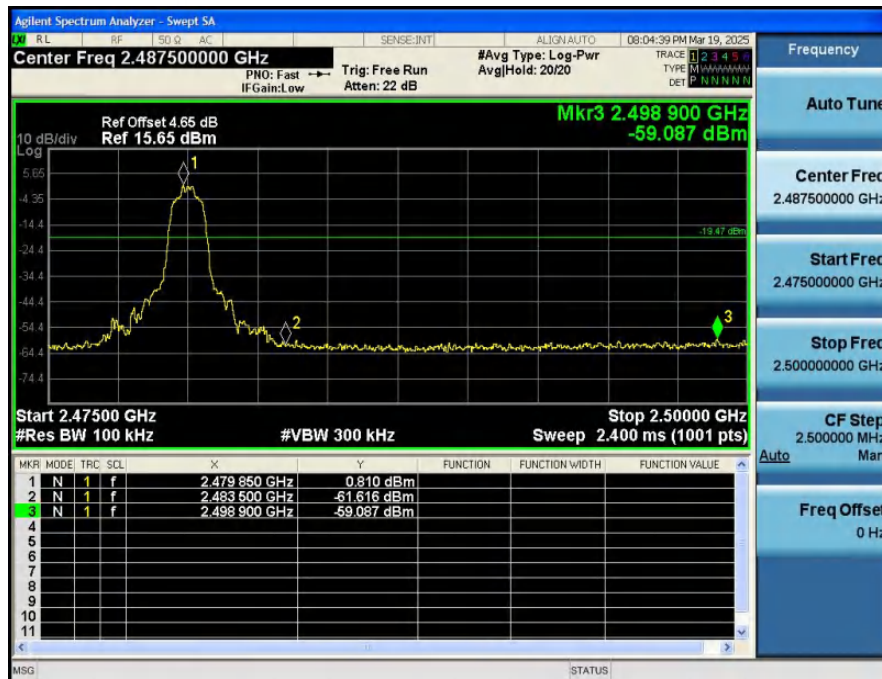
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



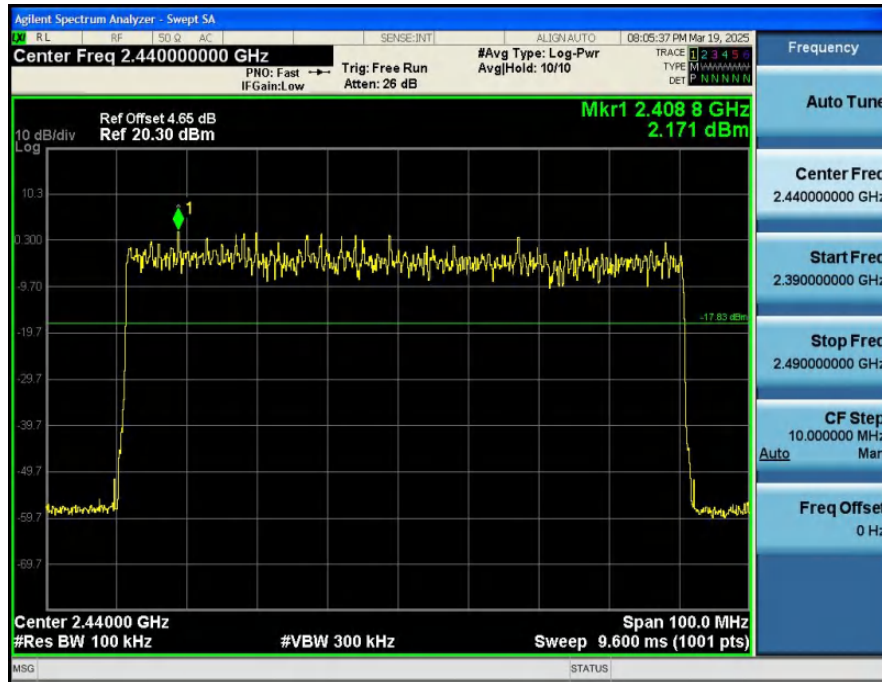
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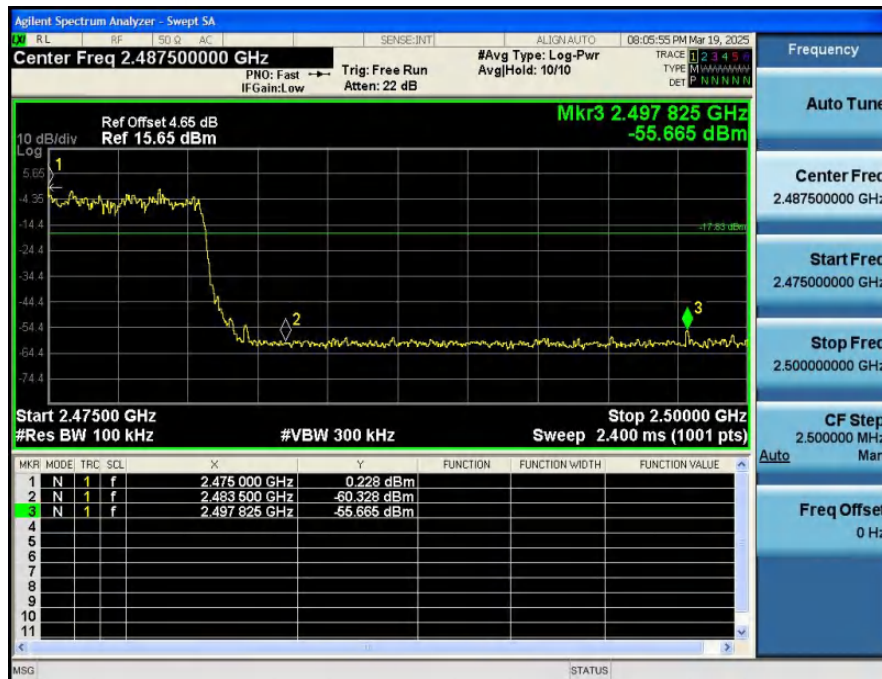
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1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



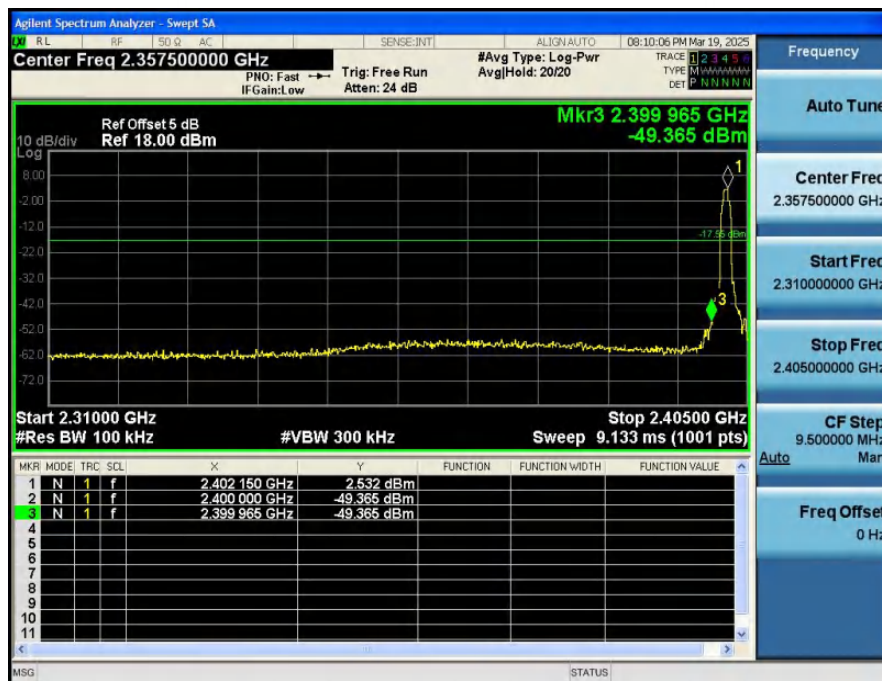
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



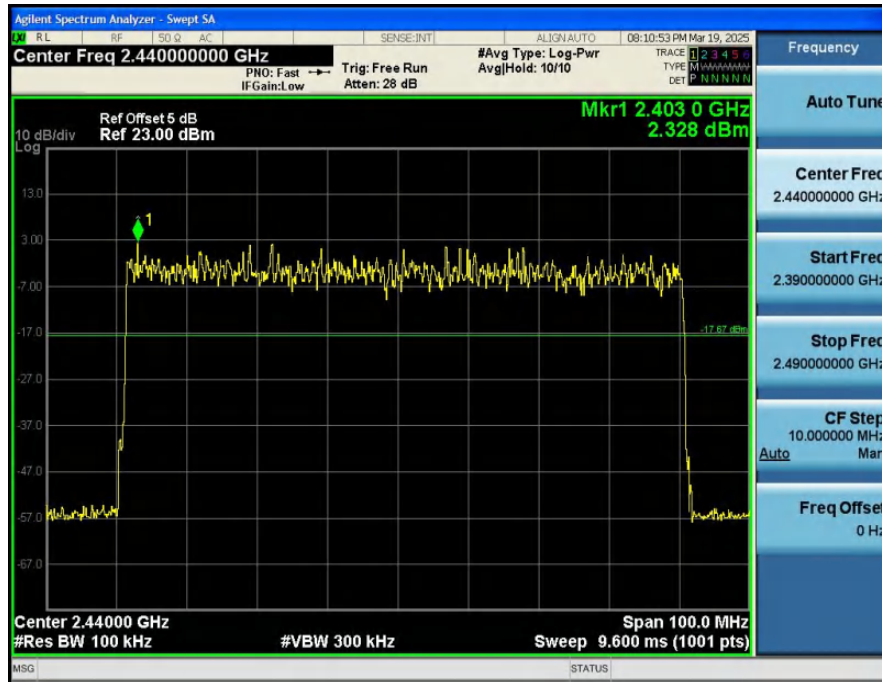
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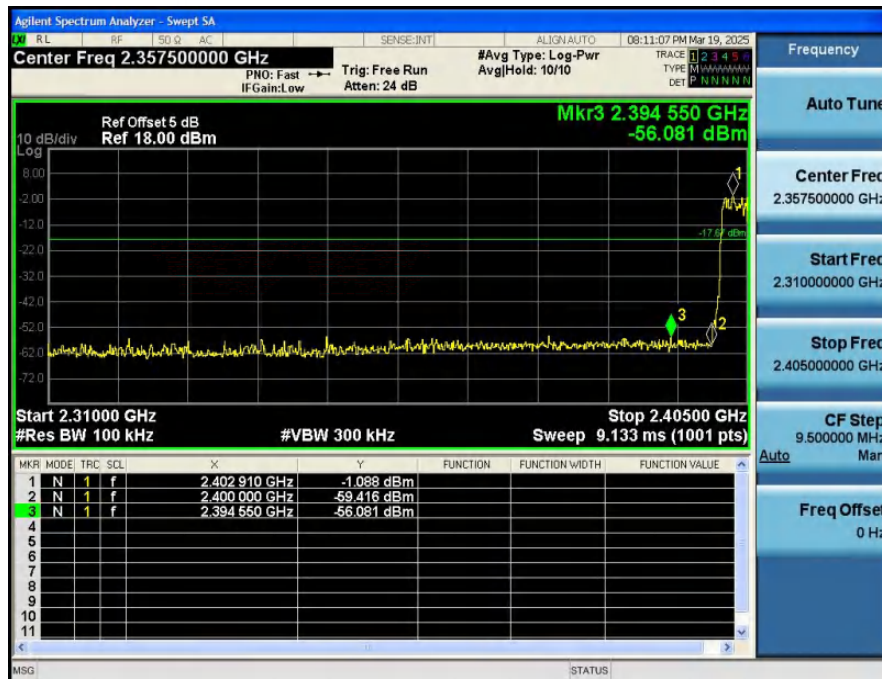
2_Bandedge_NVNT_ANT1_3-DH5_2402_00



1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



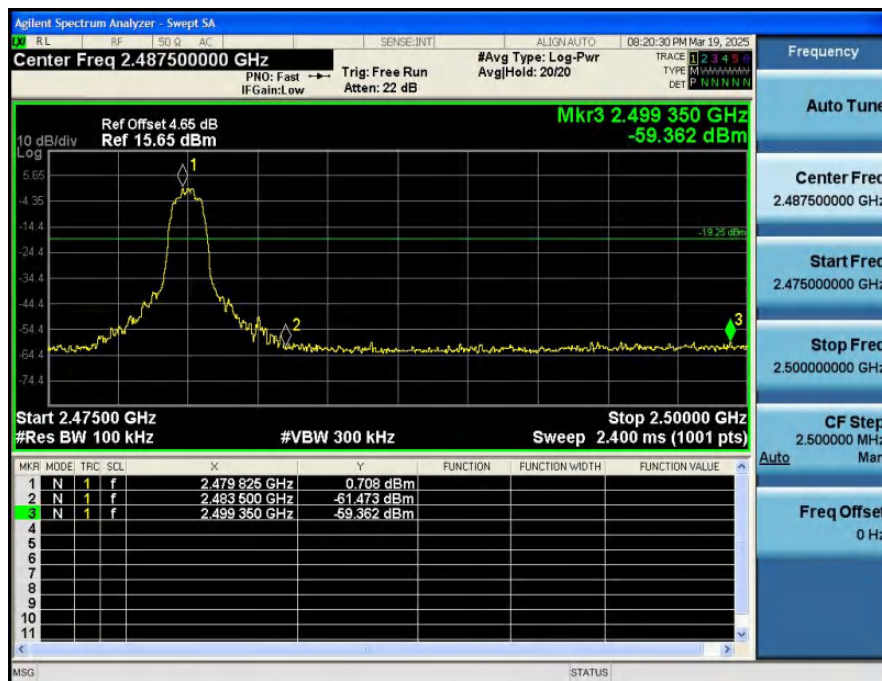
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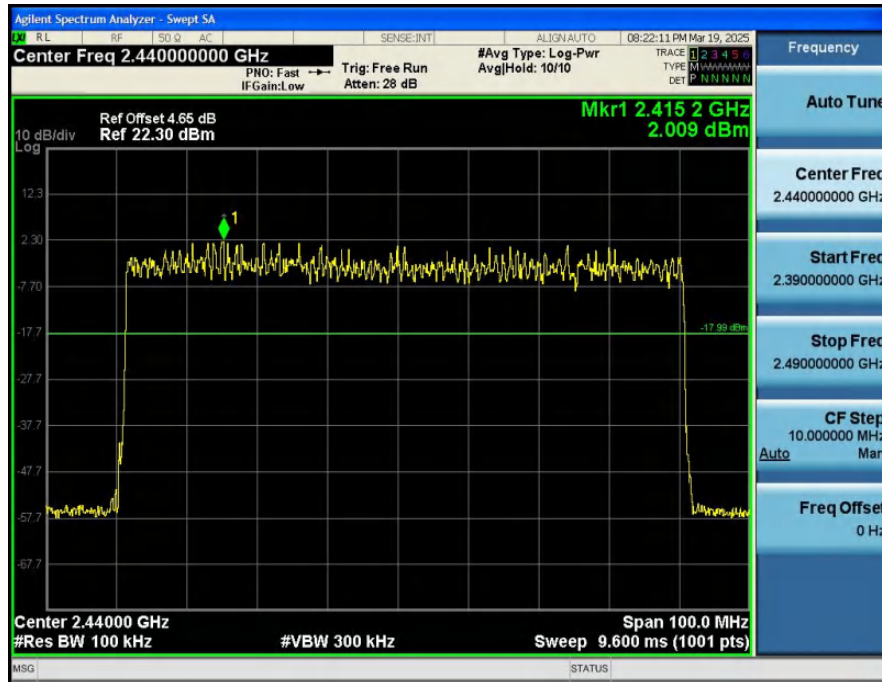
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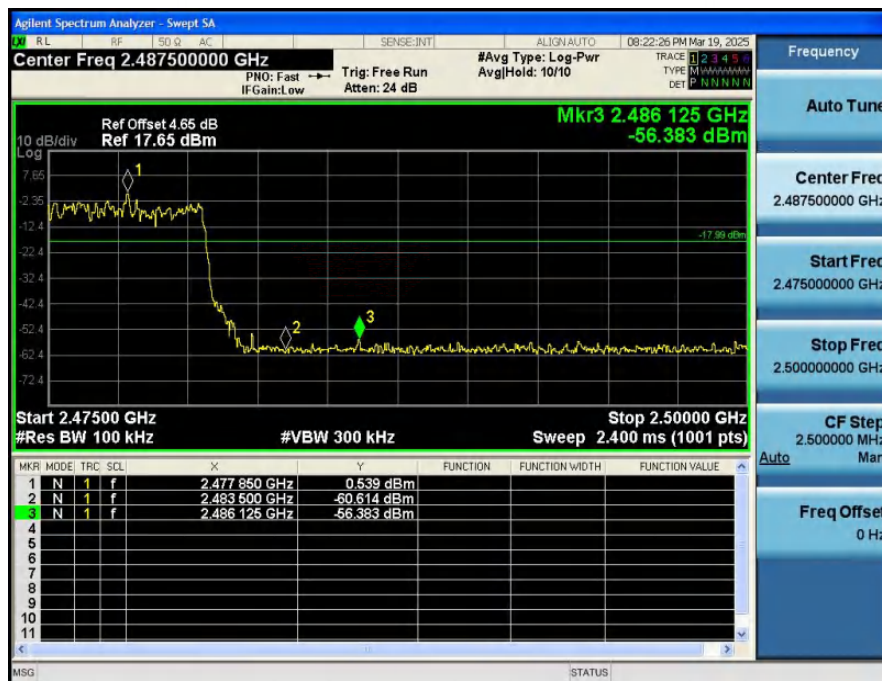
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1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



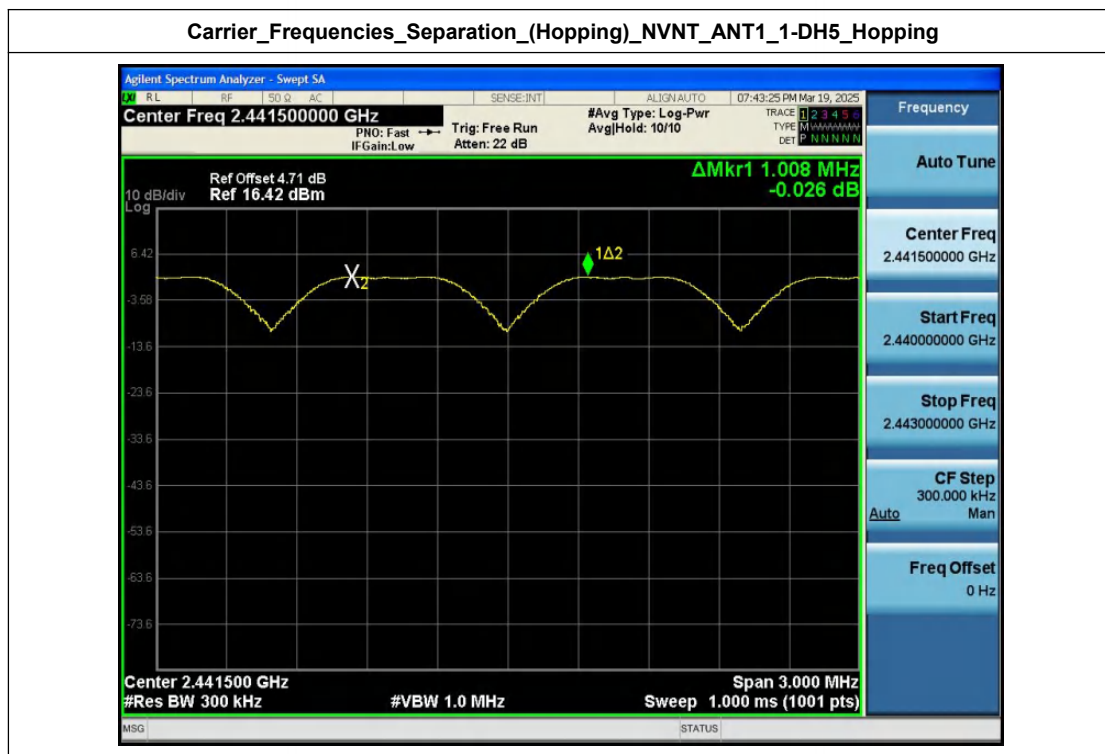
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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Appendix G: Carrier Frequencies Separation (Hopping)

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	2440.834	2441.842	1.01	0.672	Pass
NVNT	ANT1	2-DH5	2441.00	2440.831	2441.833	1.00	0.877	Pass
NVNT	ANT1	3-DH5	2441.00	2440.990	2442.133	1.14	0.871	Pass



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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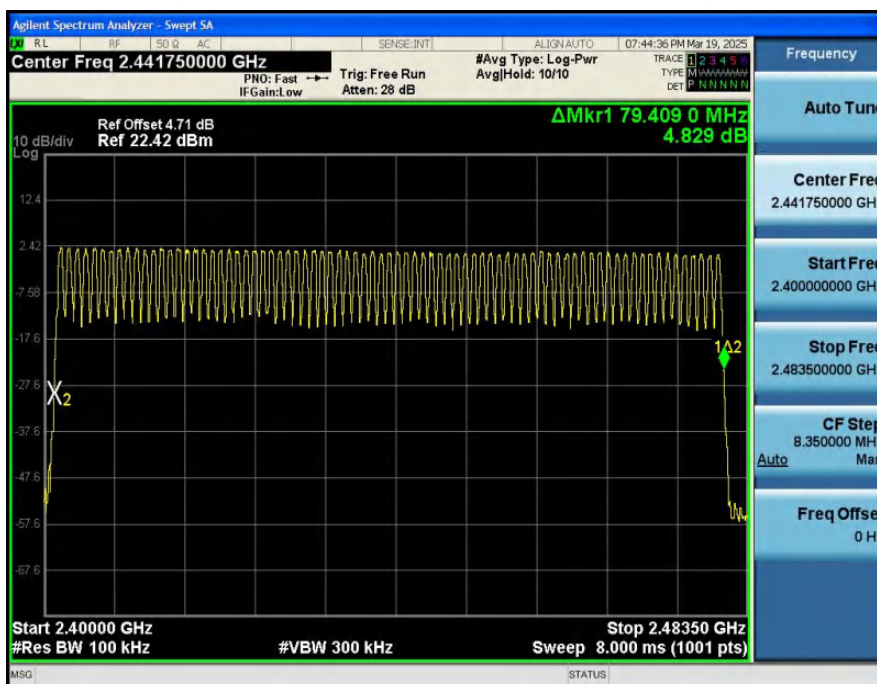
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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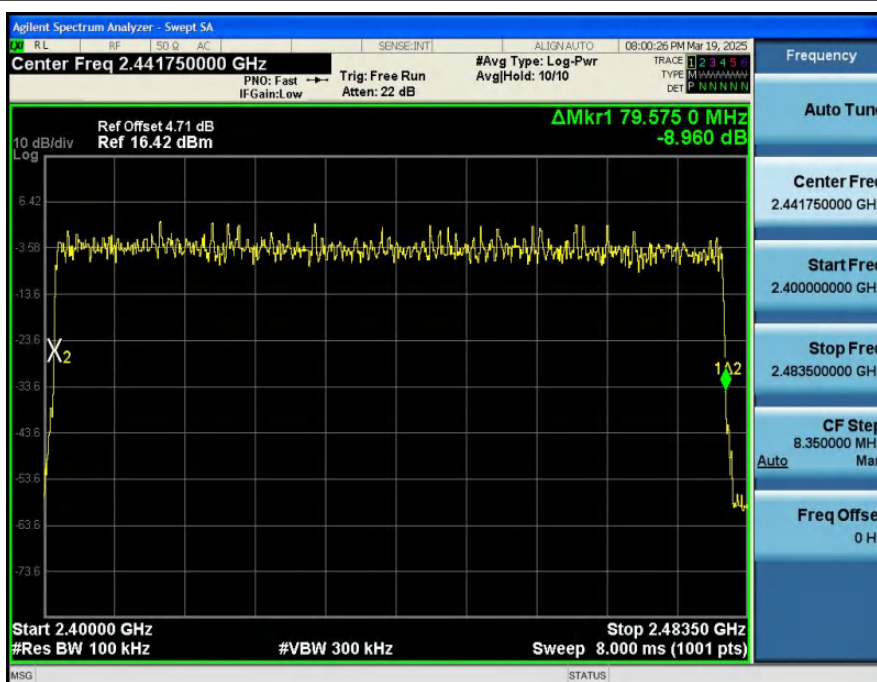
Appendix H: Number of Hopping Channel (Hopping)

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

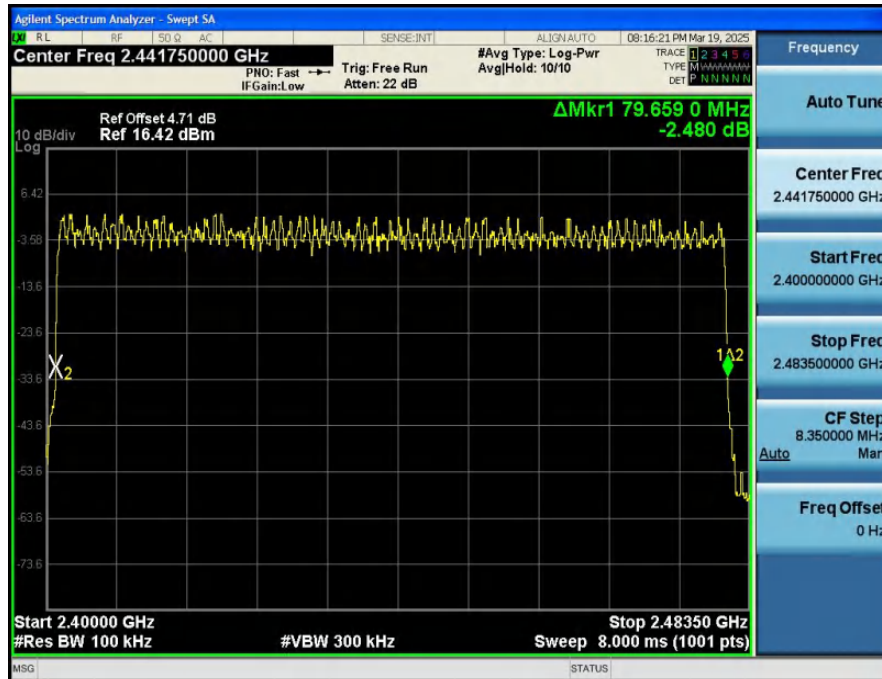
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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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	114.00	330.600	0.40	Pass
NVNT	ANT1	2-DH5	2.900	99.00	287.100	0.40	Pass
NVNT	ANT1	3-DH5	2.900	109.00	316.100	0.40	Pass
NVNT	ANT1	1-DH1	0.400	319.00	127.600	0.40	Pass
NVNT	ANT1	1-DH3	1.650	174.00	287.100	0.40	Pass
NVNT	ANT1	2-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	2-DH3	1.650	155.00	255.750	0.40	Pass
NVNT	ANT1	3-DH1	0.410	320.00	131.200	0.40	Pass
NVNT	ANT1	3-DH3	1.650	158.00	260.700	0.40	Pass

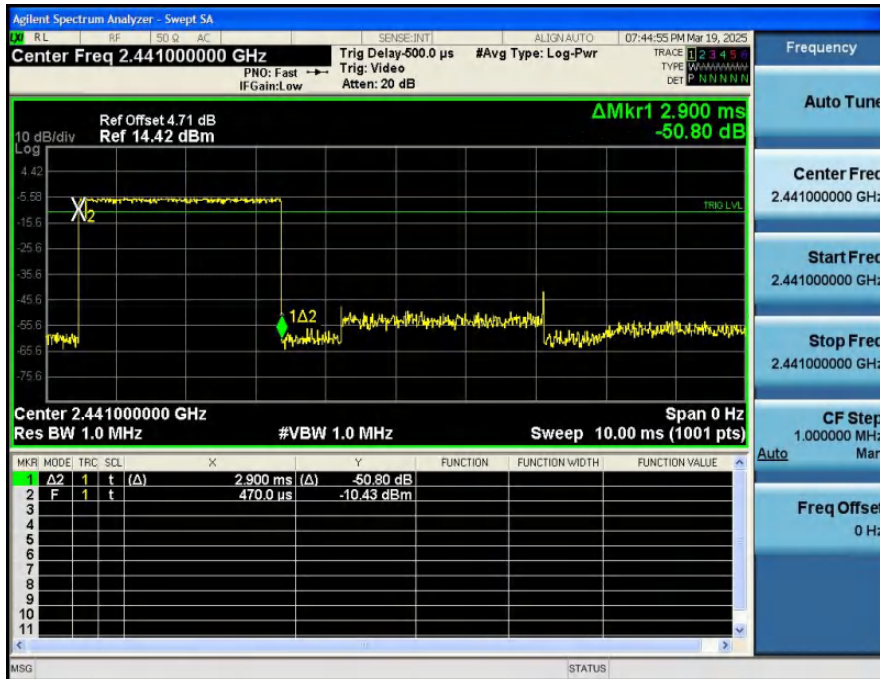
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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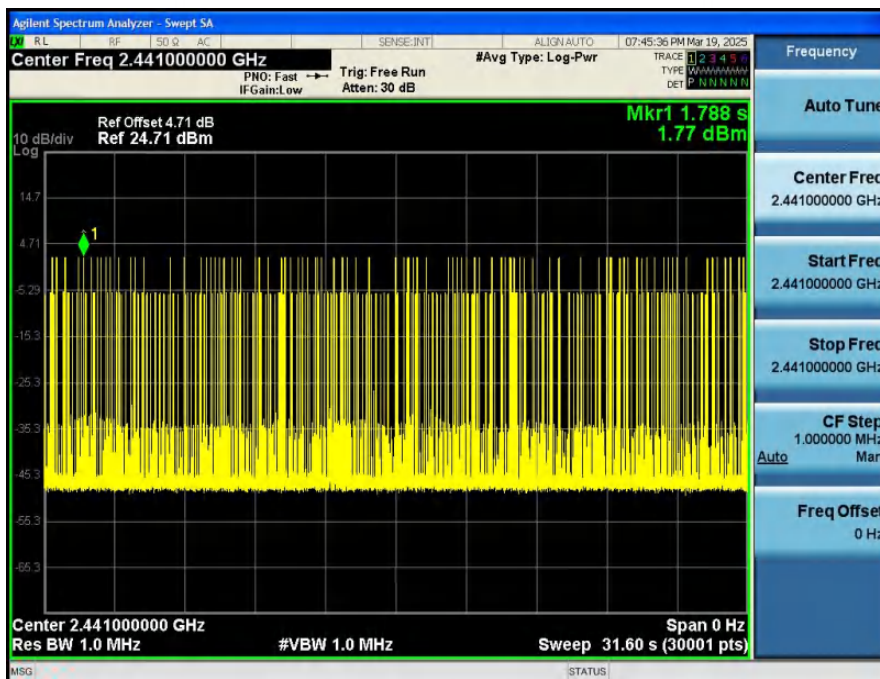


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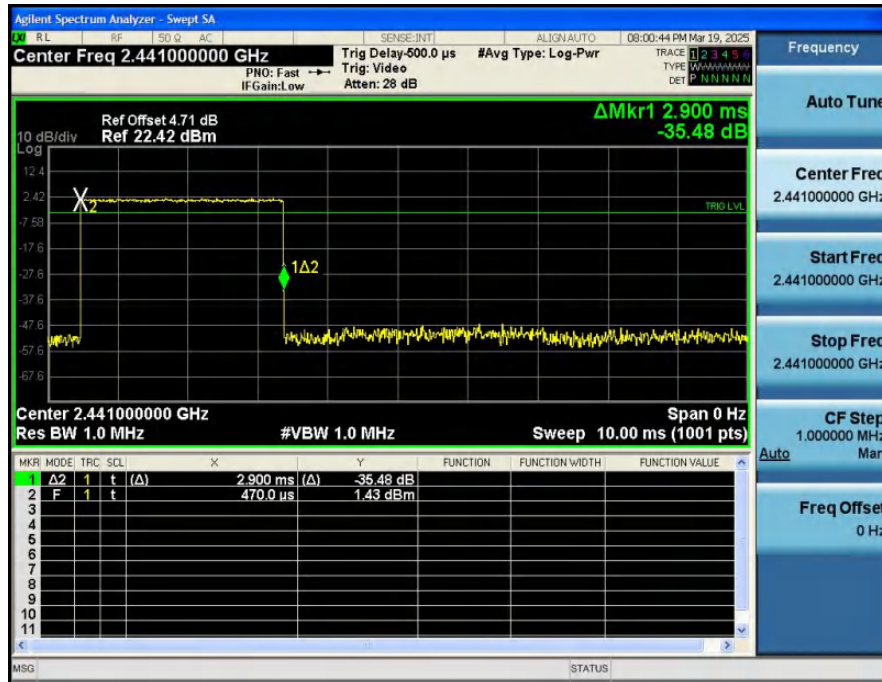
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



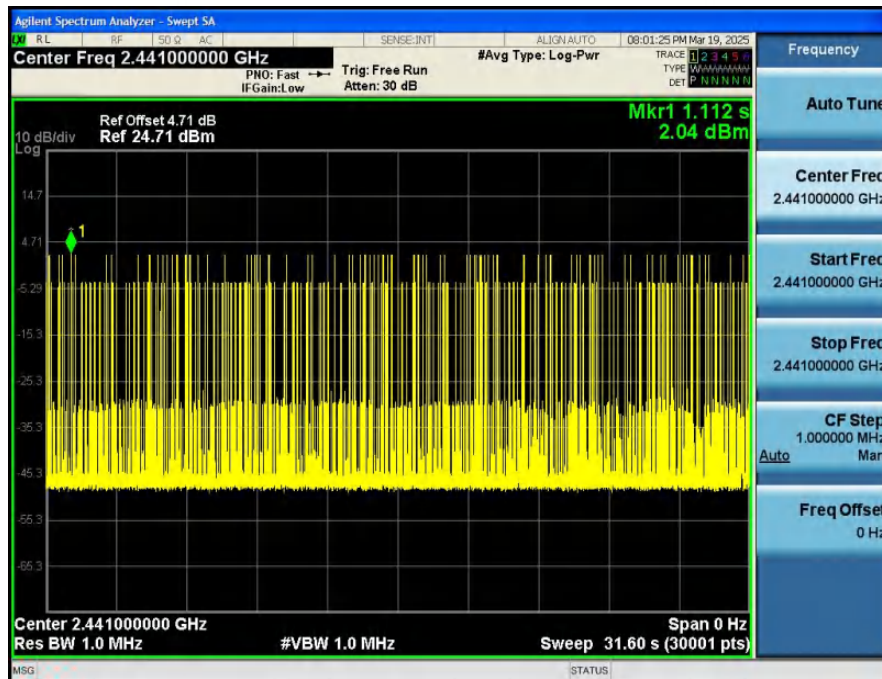
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



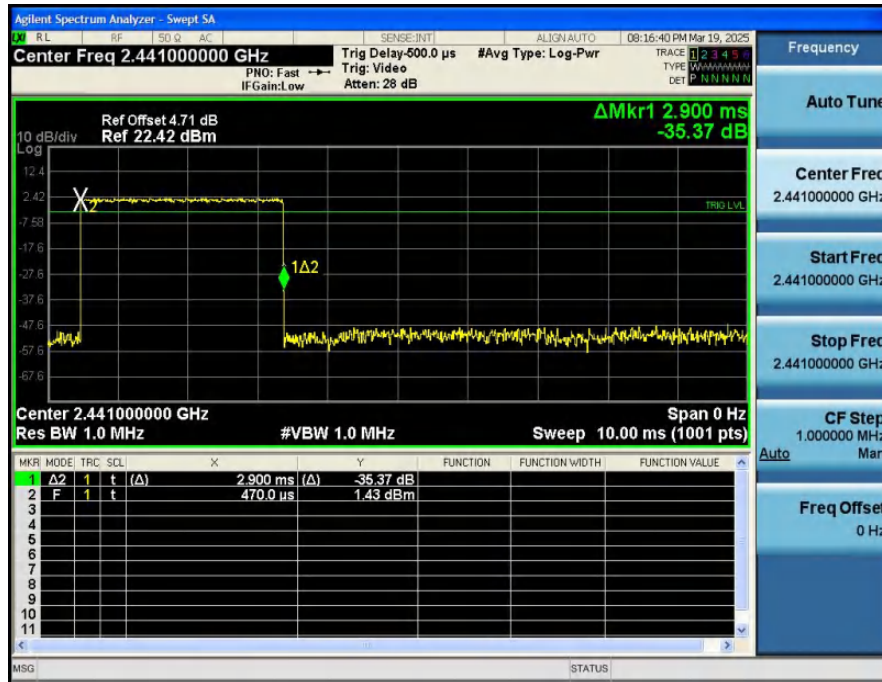
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



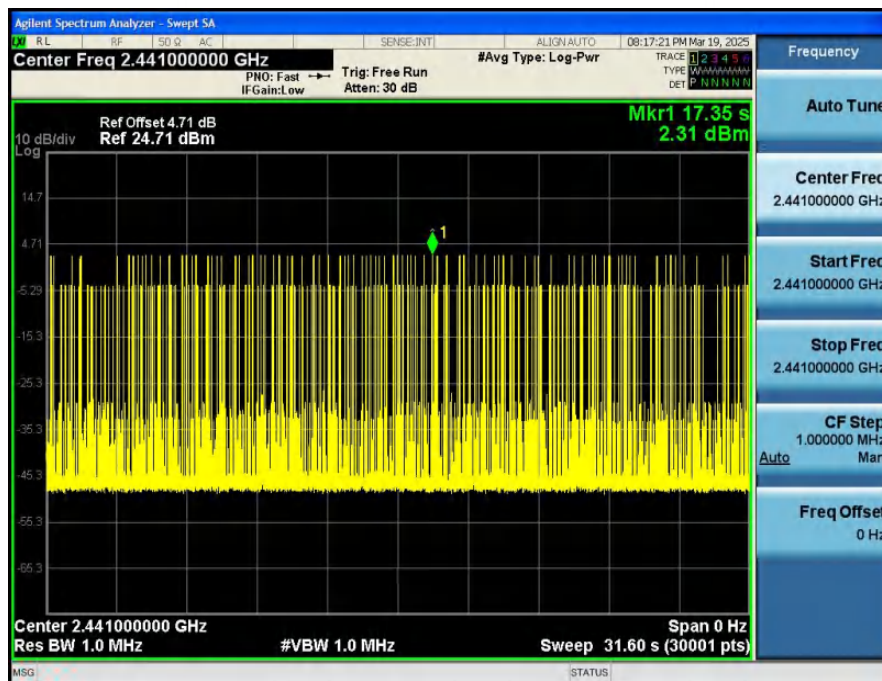
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



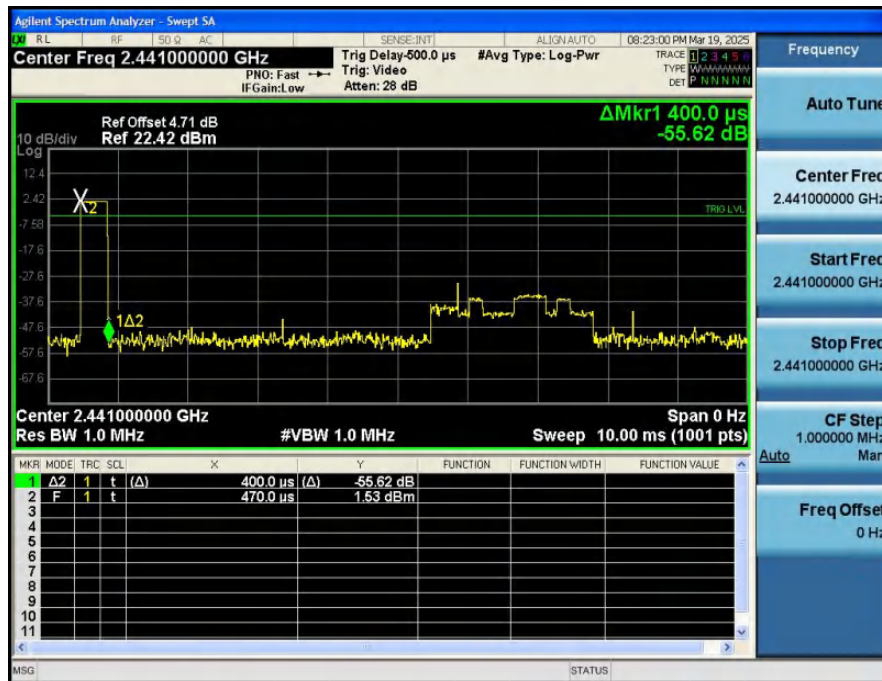
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



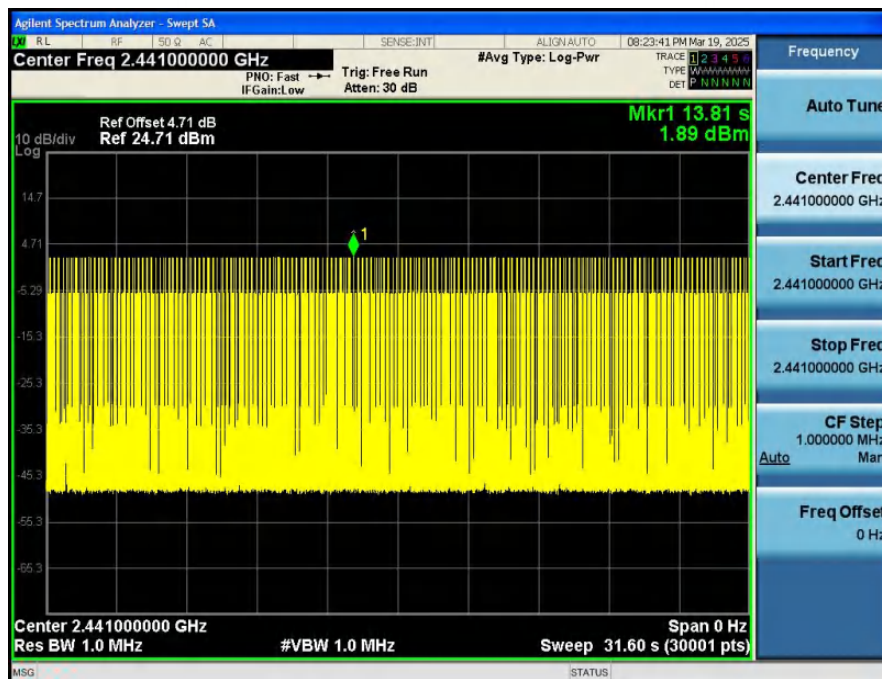
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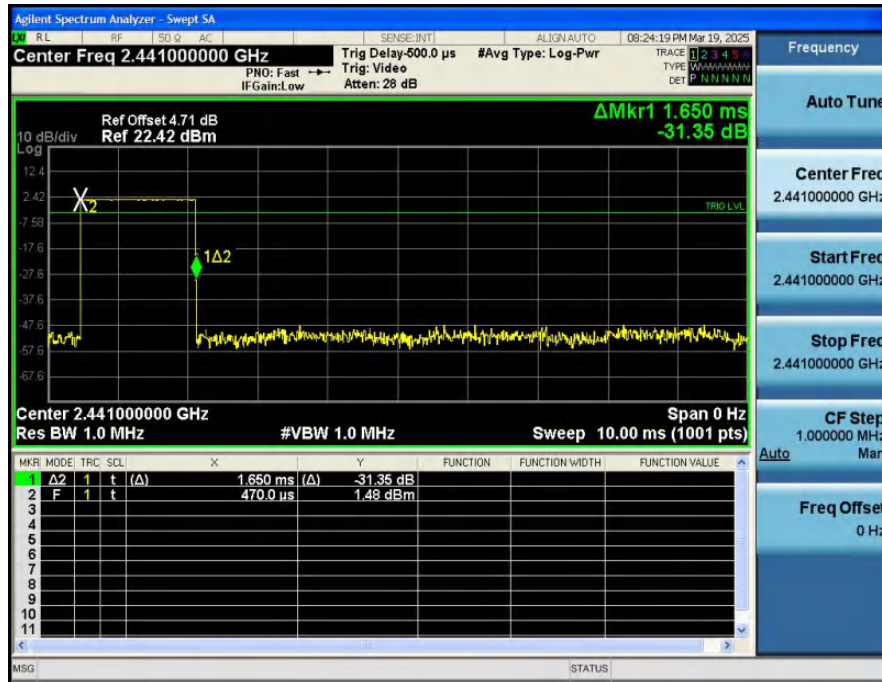
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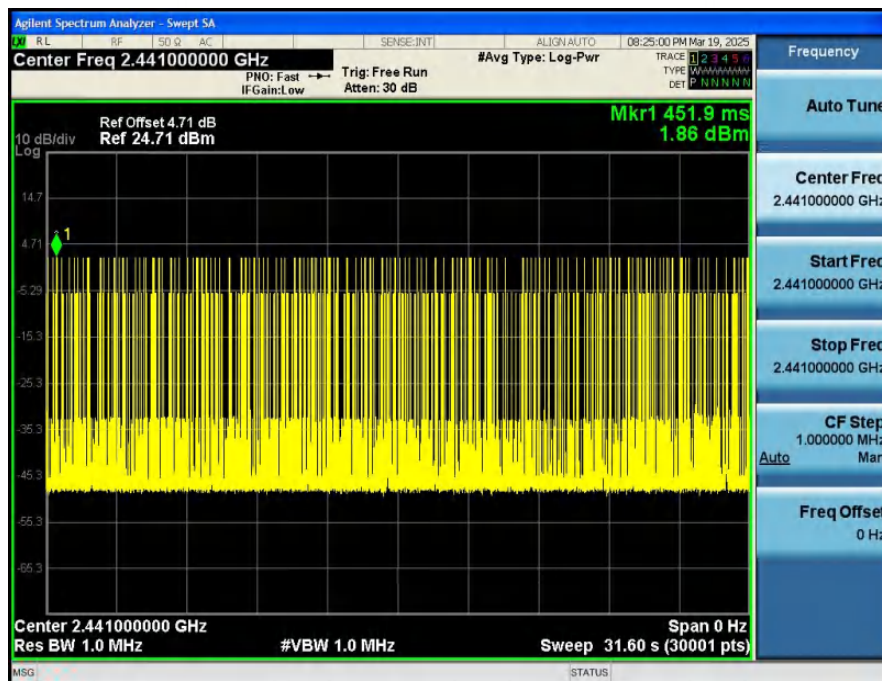
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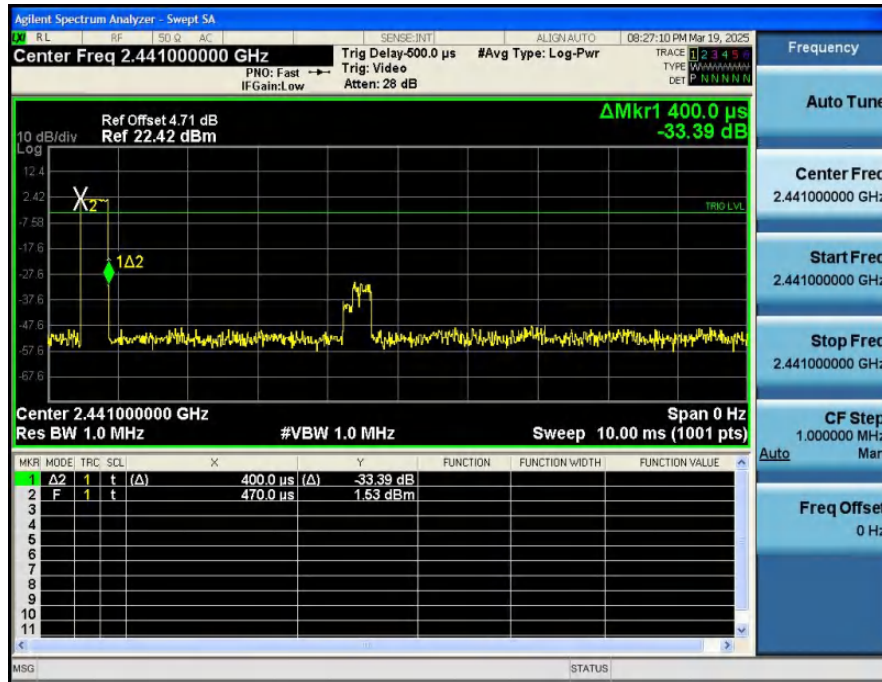
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time



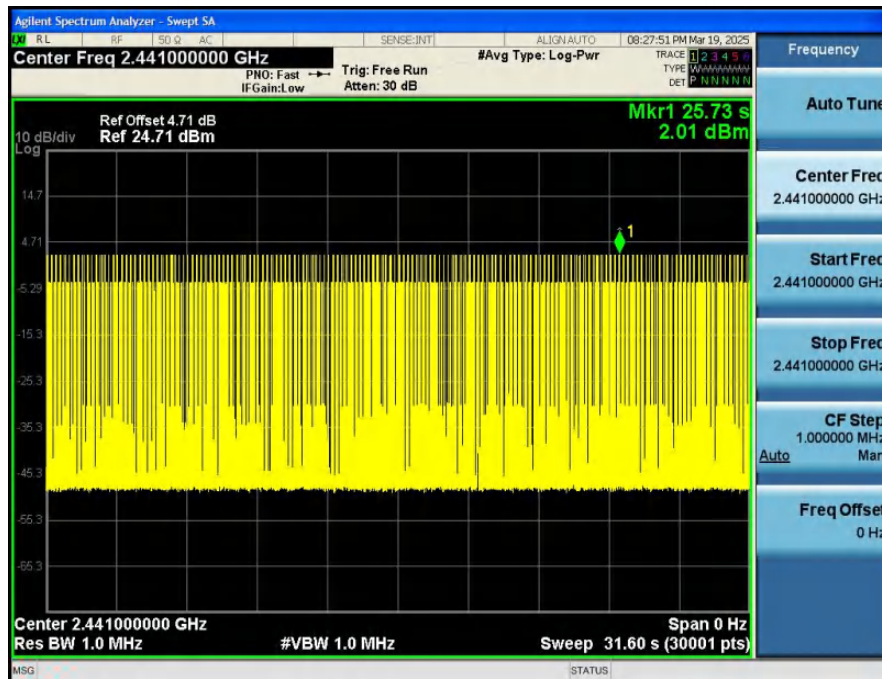
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated



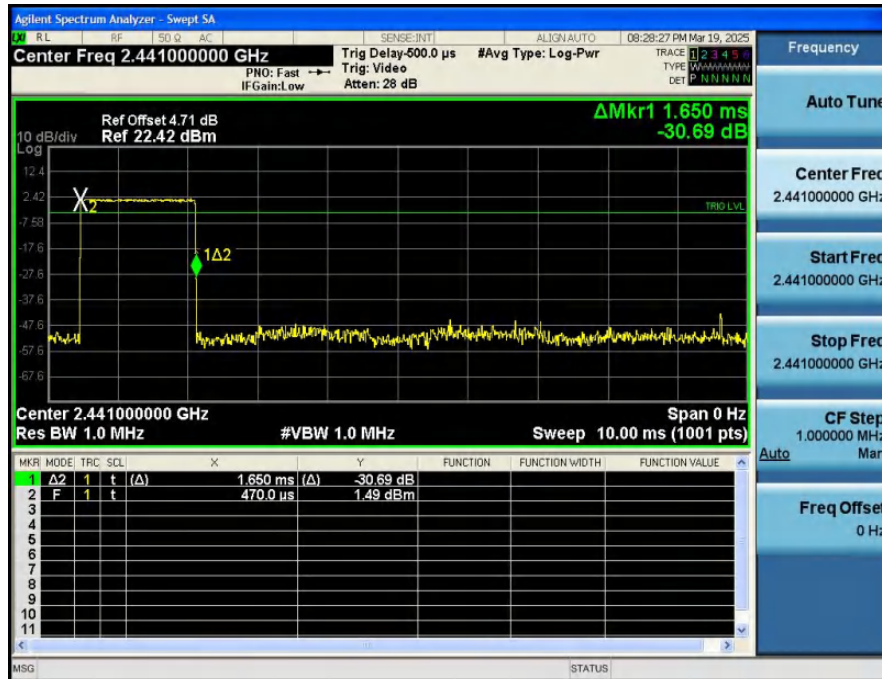
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time



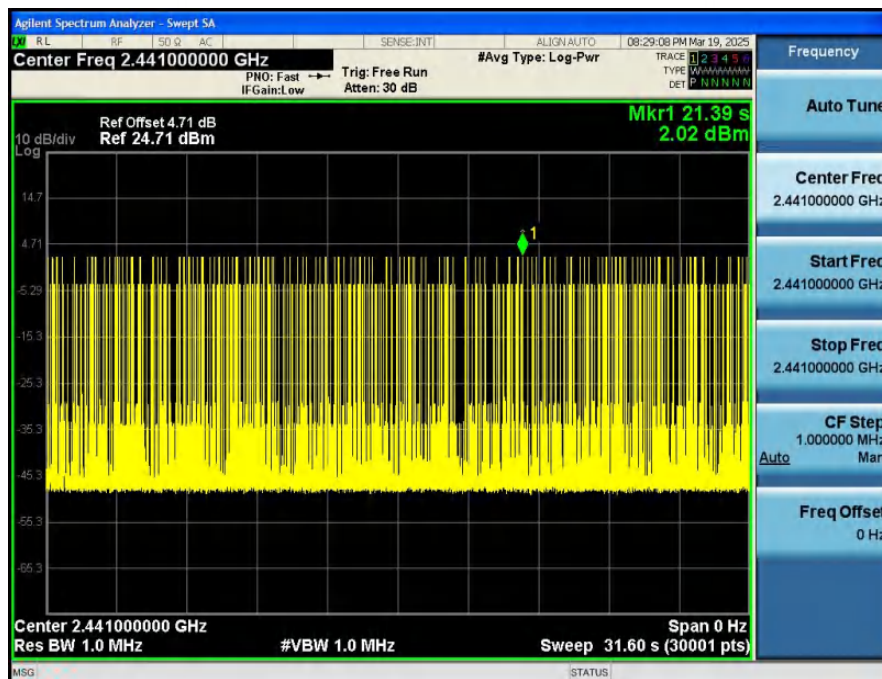
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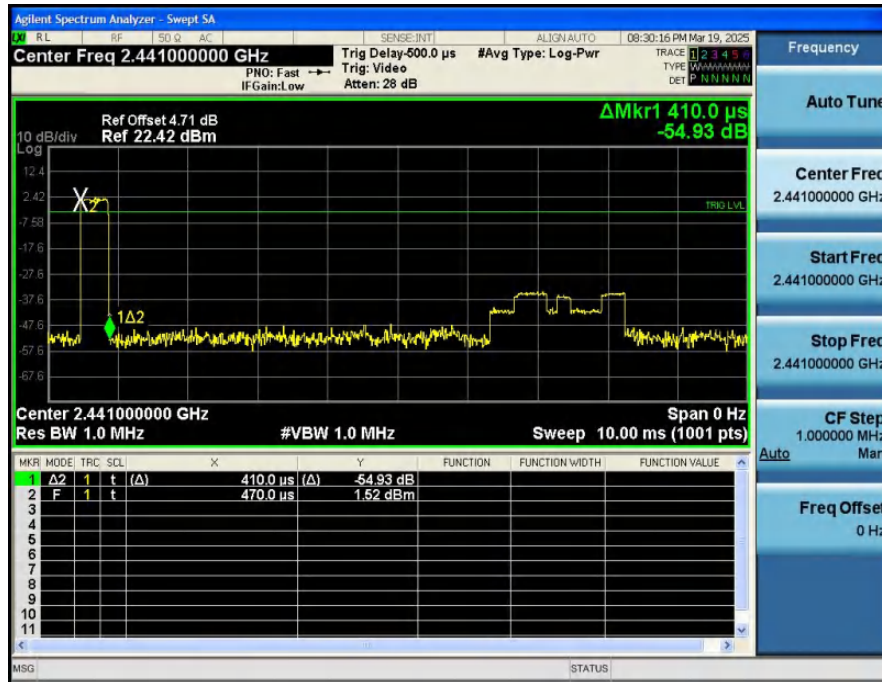
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time



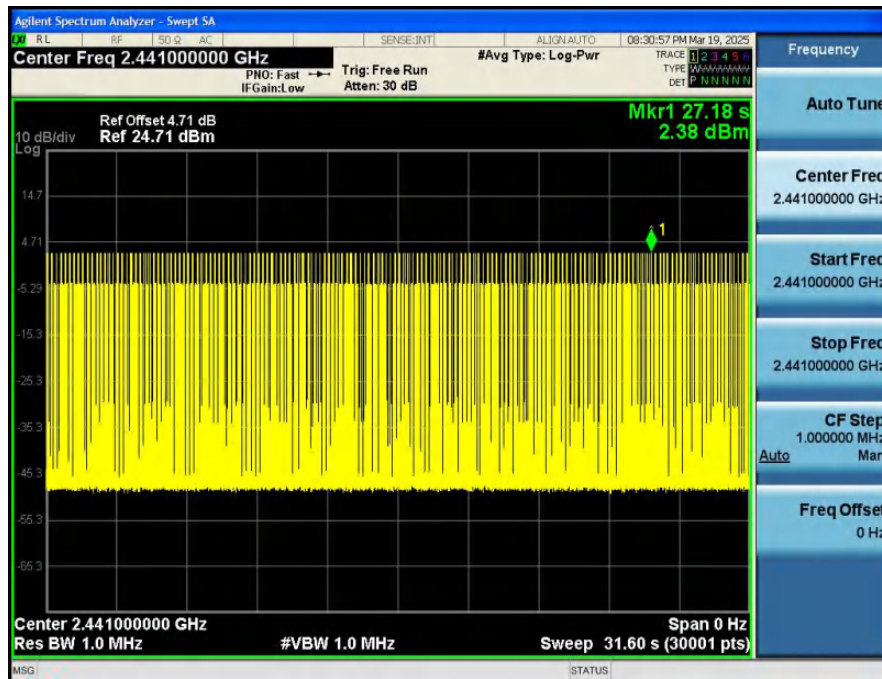
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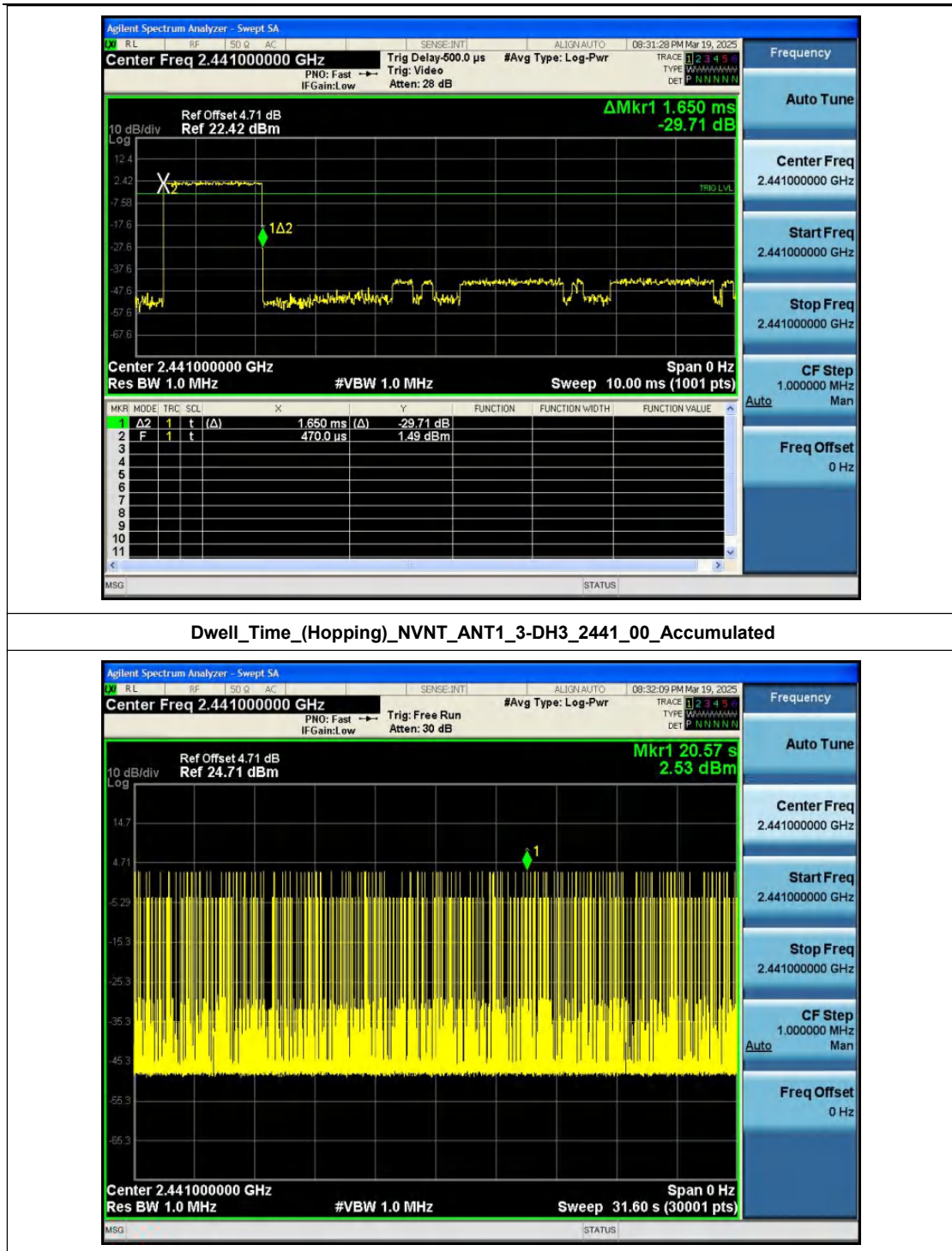
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



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