

FCC TEST DATA

FCC ID: 2A5N2-A50

Product: Bluetooth headset

Model Name : A50

Right Headphone

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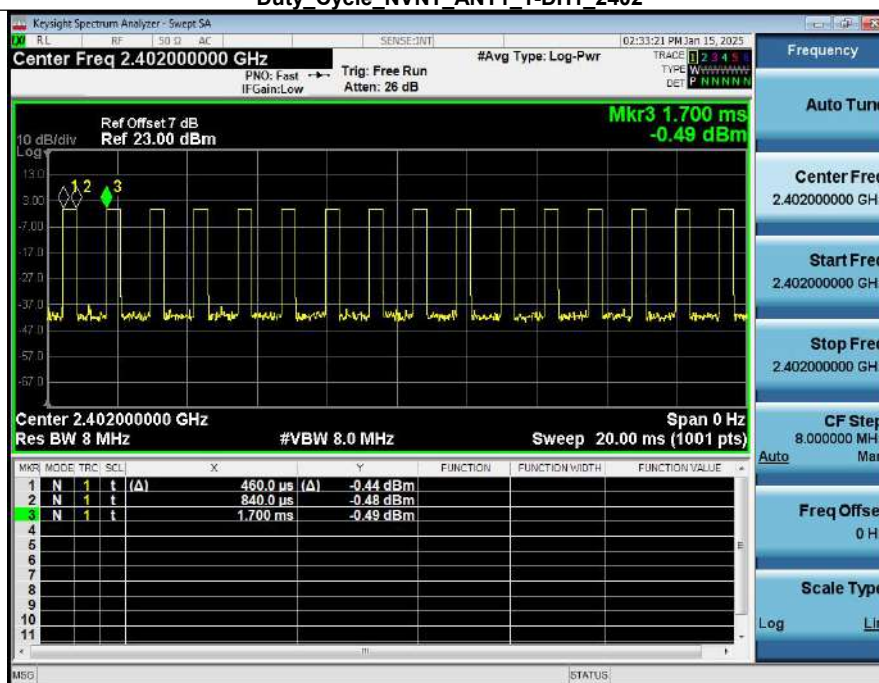
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FCC ID EDR FCC_BT (Part15.247) Test Data

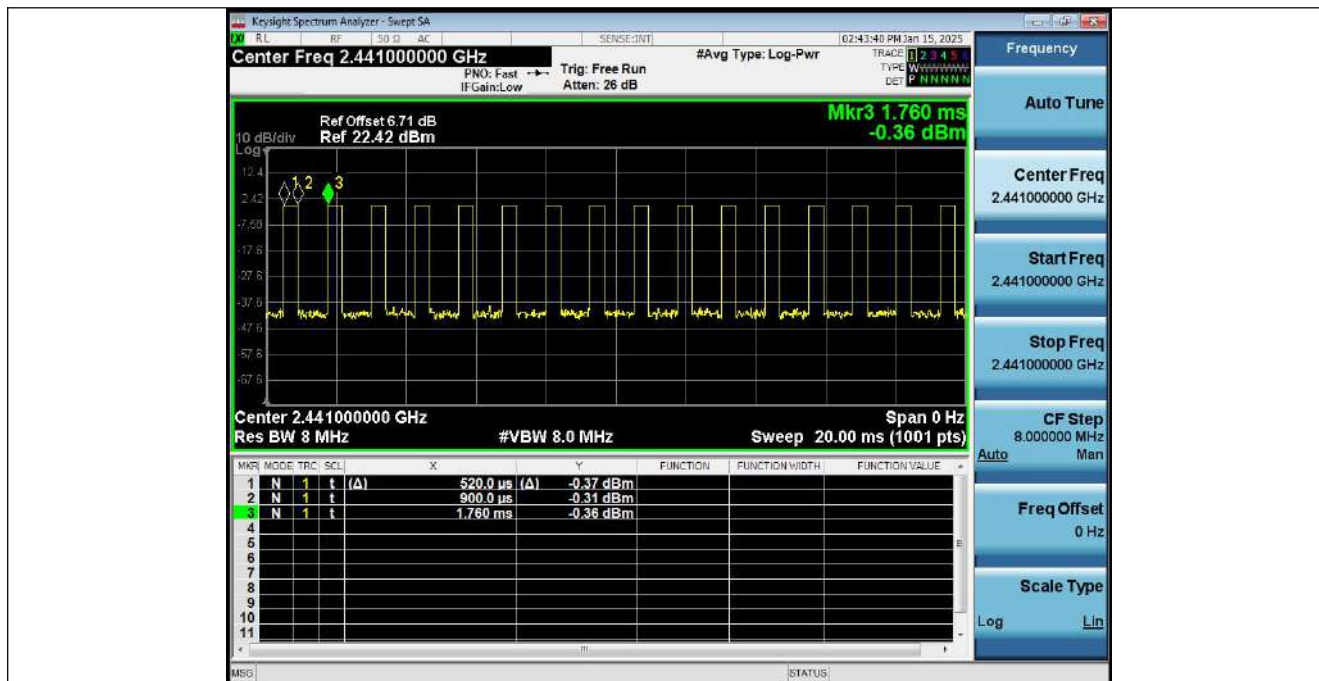
1. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	30.65	5.14
NVNT	ANT1	1-DH1	2441.00	30.65	5.14
NVNT	ANT1	1-DH1	2480.00	31.75	4.98
NVNT	ANT1	2-DH1	2402.00	31.75	4.98
NVNT	ANT1	2-DH1	2441.00	32.26	4.91
NVNT	ANT1	2-DH1	2480.00	30.65	5.14
NVNT	ANT1	3-DH1	2402.00	33.33	4.77
NVNT	ANT1	3-DH1	2441.00	32.26	4.91
NVNT	ANT1	3-DH1	2480.00	31.75	4.98

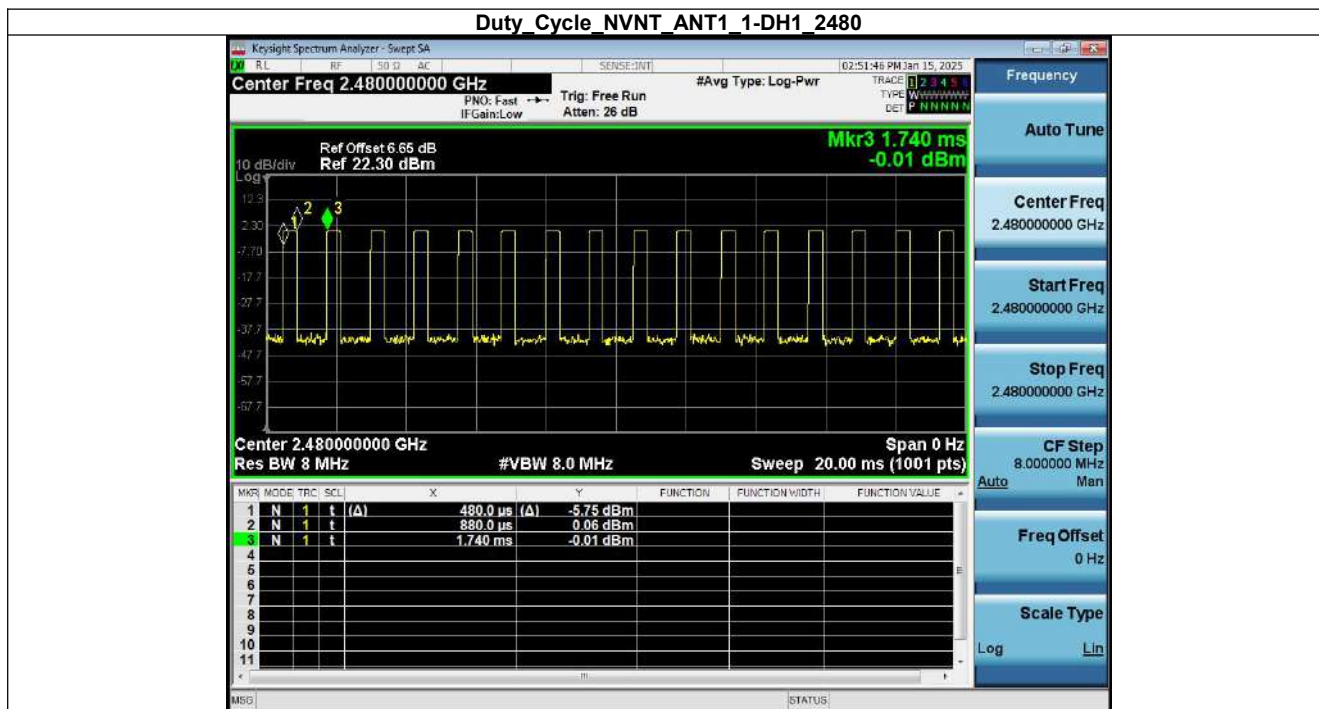
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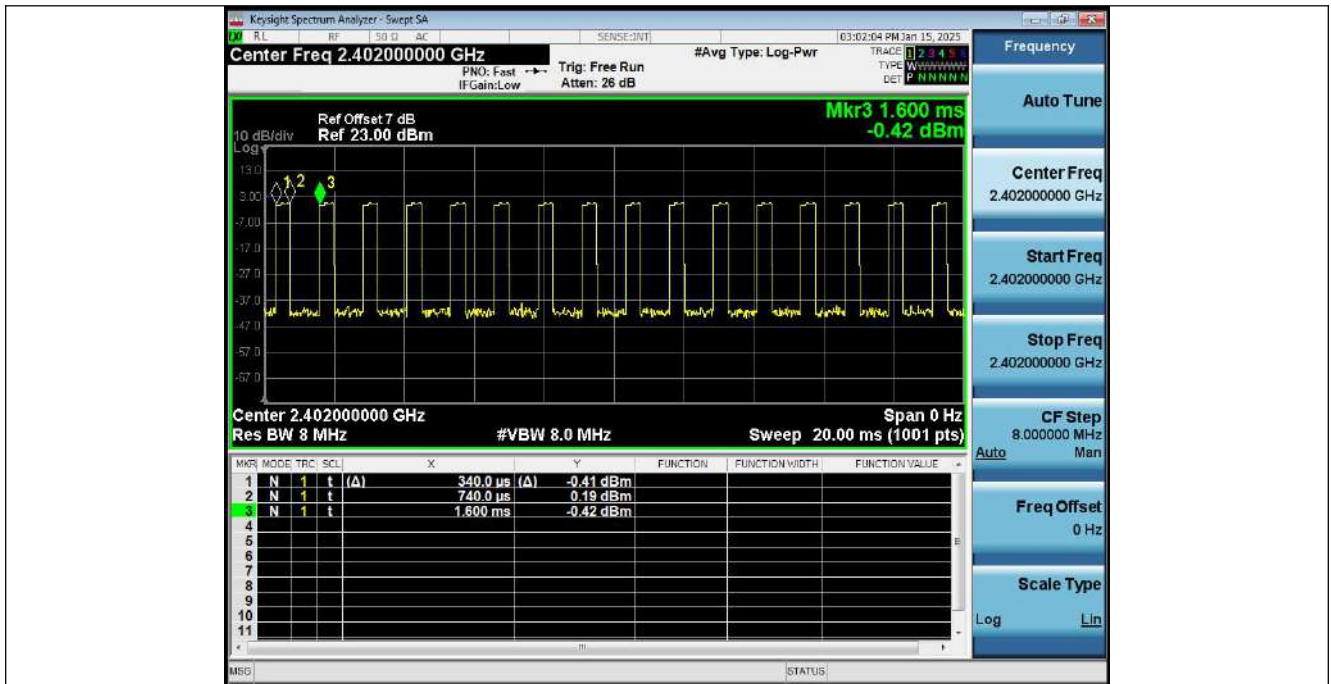
Duty_Cycle_NVNT_ANT1_1-DH1_2441



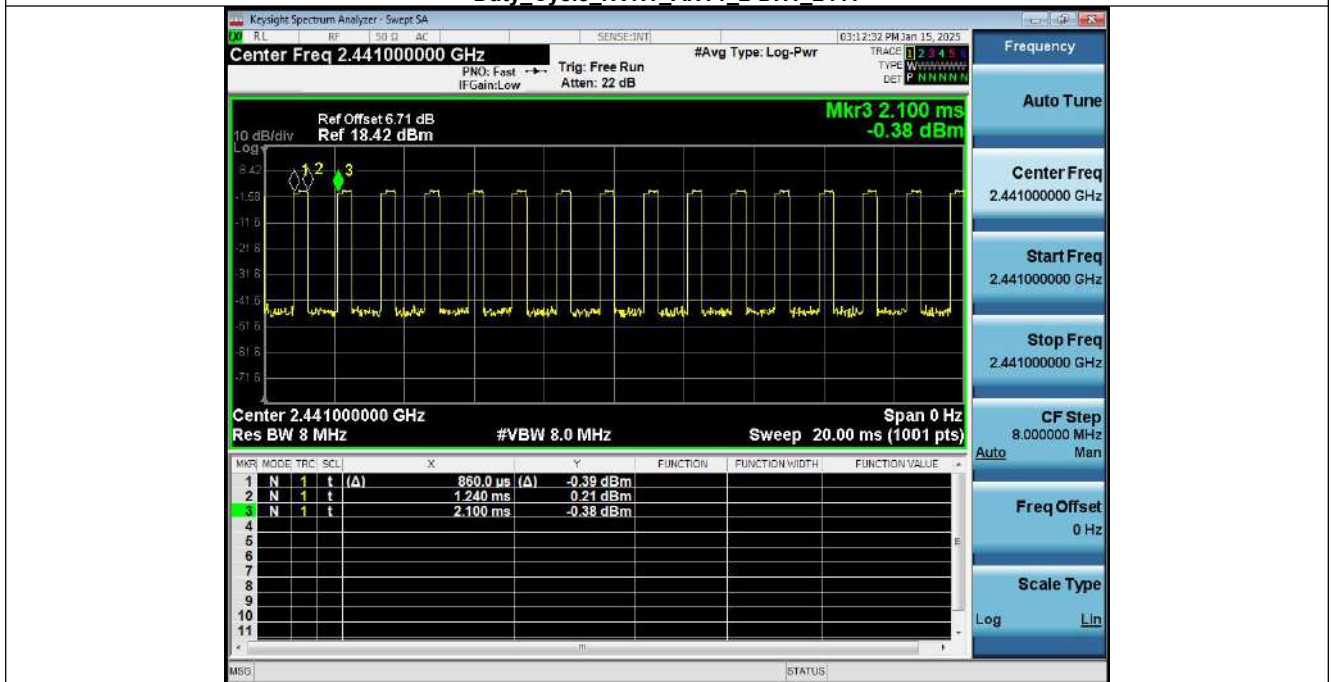
Duty Cycle_NVNT_ANT1 1-DH1_2480



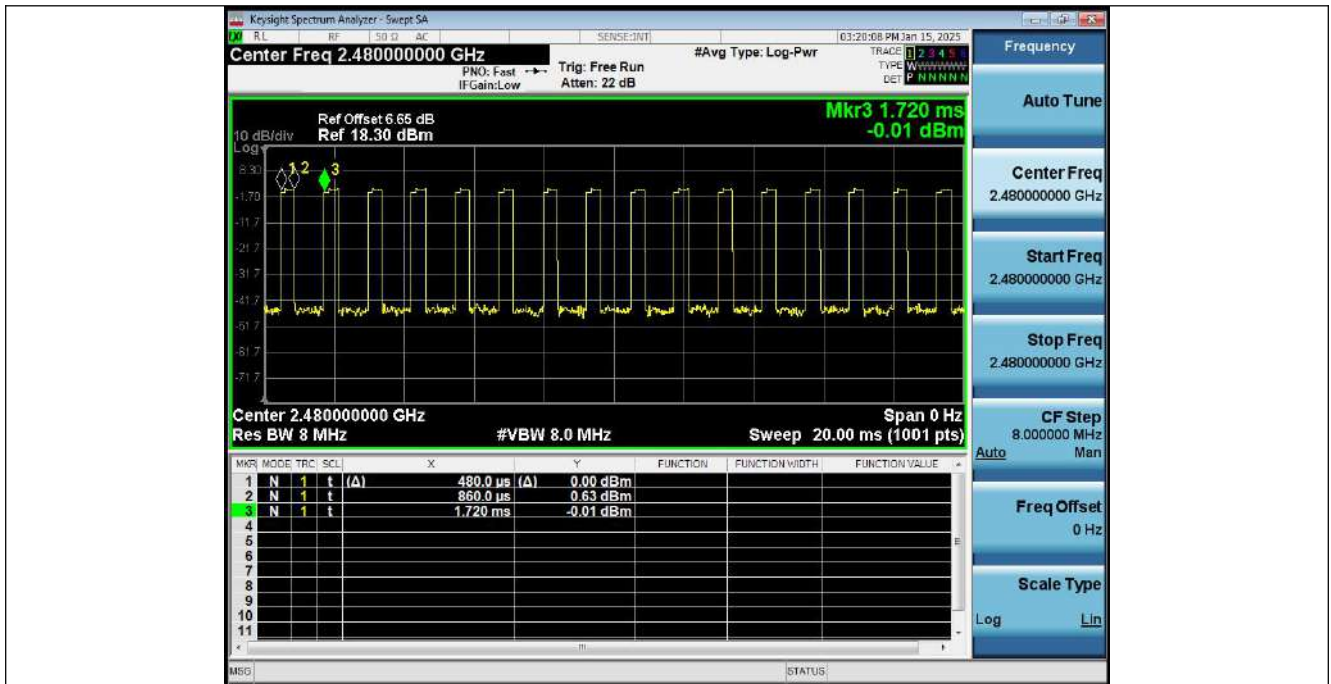
Duty Cycle_NVNT_ANT1 2-DH1_2402



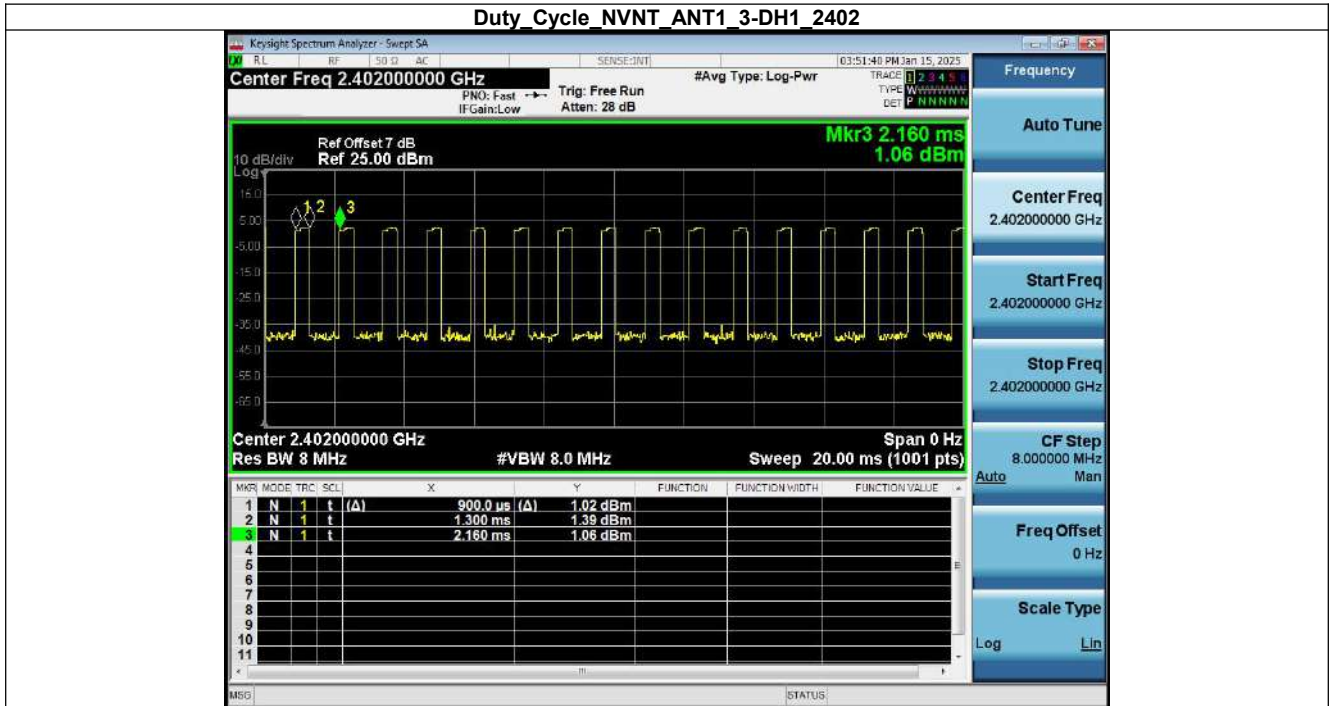
Duty Cycle_NVNT_ANT1_2-DH1_2441



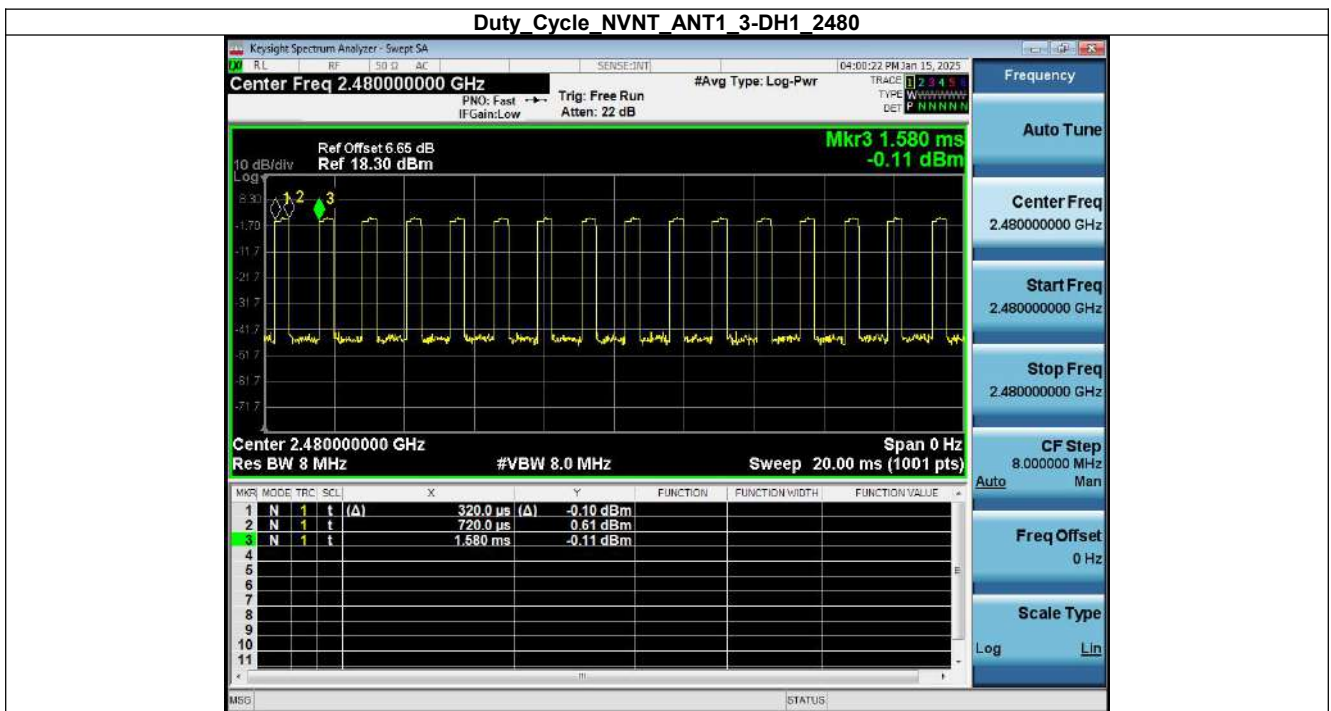
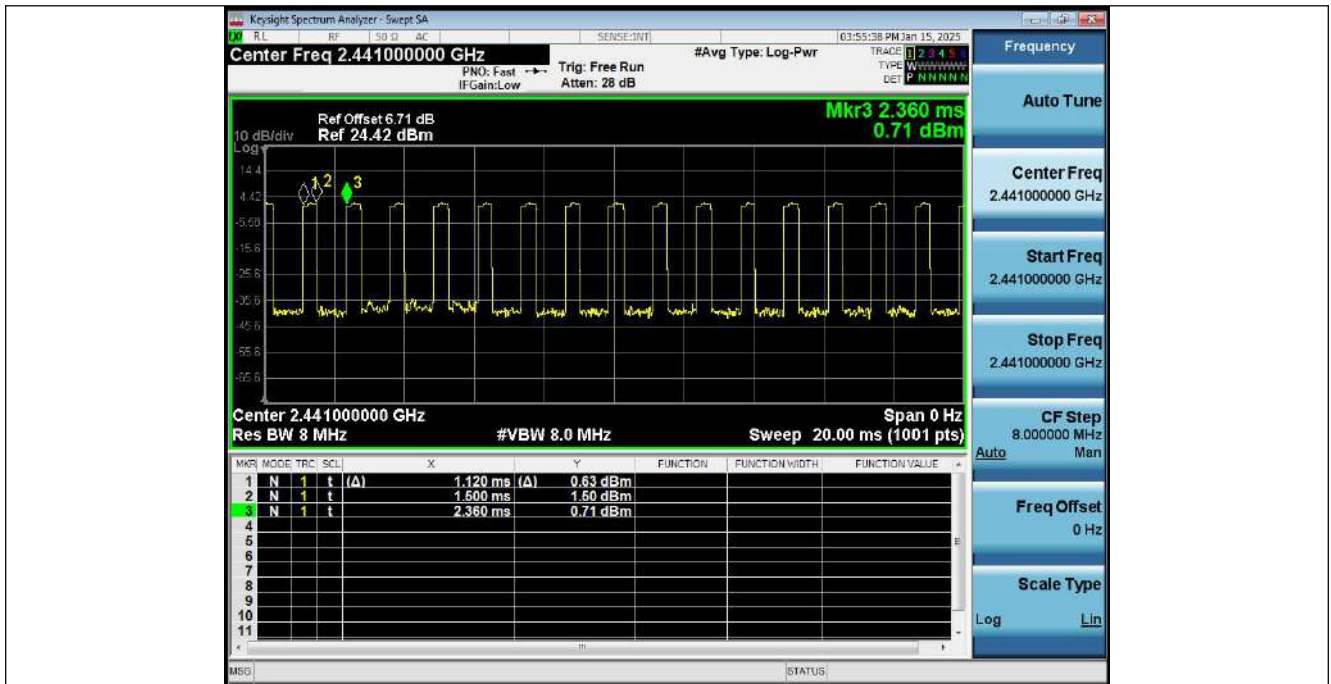
Duty Cycle_NVNT_ANT1_2-DH1_2480



Duty Cycle_NVNT_ANT1_3-DH1_2402



Duty Cycle_NVNT_ANT1_3-DH1_2441



2. -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	1.072	Yes
NVNT	ANT1	1-DH1	2441.00	1.070	Yes
NVNT	ANT1	1-DH1	2480.00	1.088	Yes
NVNT	ANT1	2-DH1	2402.00	1.271	Yes
NVNT	ANT1	2-DH1	2441.00	1.276	Yes
NVNT	ANT1	2-DH1	2480.00	1.271	Yes
NVNT	ANT1	3-DH1	2402.00	1.224	Yes
NVNT	ANT1	3-DH1	2441.00	1.227	Yes
NVNT	ANT1	3-DH1	2480.00	1.250	Yes



-20dB_Bandwidth_NVNT_ANT1_1-DH1_2480_00



-20dB_Bandwidth_NVNT_ANT1_2-DH1_2402_00



-20dB_Bandwidth_NVNT_ANT1_2-DH1_2441_00



-20dB_Bandwidth_NVNT_ANT1_2-DH1_2480_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2441_00

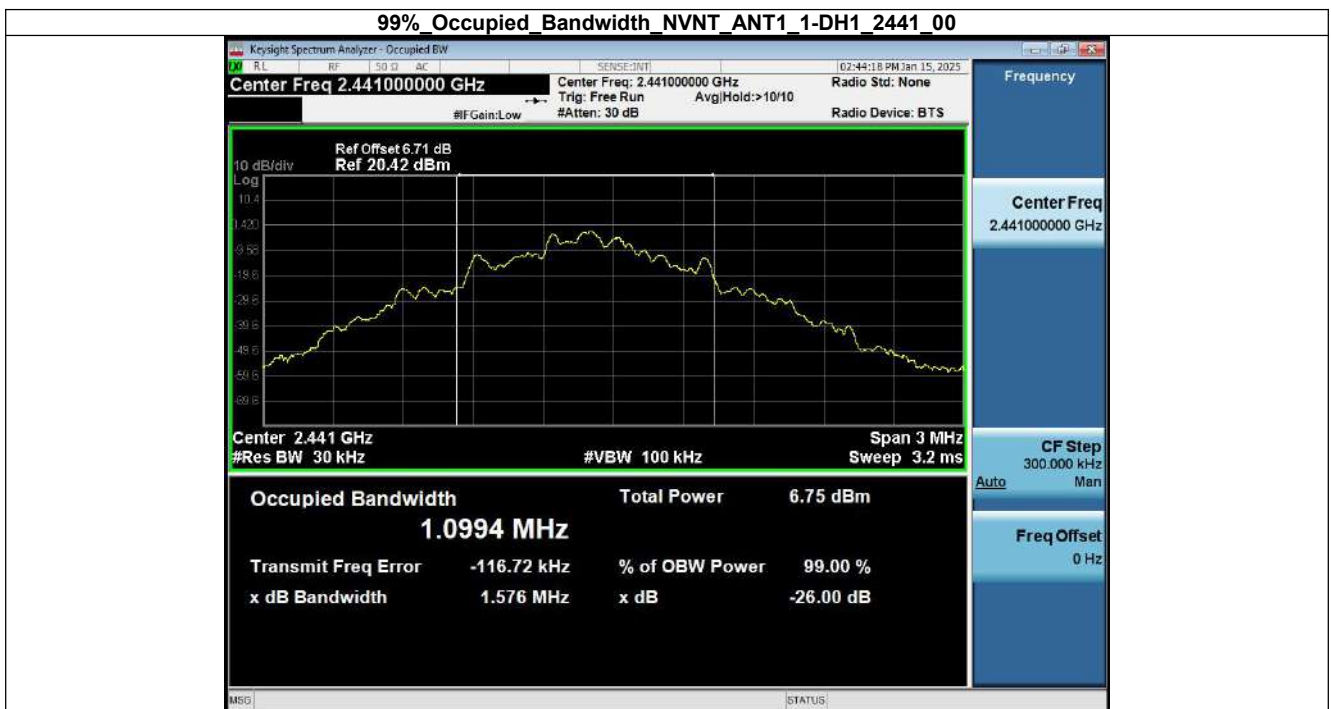


-20dB_Bandwidth_NVNT_ANT1_3-DH1_2480_00



3. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH1	2402.00	1.091
NVNT	ANT1	1-DH1	2441.00	1.099
NVNT	ANT1	1-DH1	2480.00	1.252
NVNT	ANT1	2-DH1	2402.00	1.172
NVNT	ANT1	2-DH1	2441.00	1.174
NVNT	ANT1	2-DH1	2480.00	1.175
NVNT	ANT1	3-DH1	2402.00	1.149
NVNT	ANT1	3-DH1	2441.00	1.155
NVNT	ANT1	3-DH1	2480.00	1.156



99% Occupied Bandwidth NVNT_ANT1_1-DH1_2480_00



99% Occupied Bandwidth NVNT_ANT1_2-DH1_2402_00



99% Occupied Bandwidth NVNT_ANT1_2-DH1_2441_00



99% Occupied Bandwidth NVNT_ANT1_2-DH1_2480_00



99% Occupied Bandwidth NVNT_ANT1_3-DH1_2402_00



99% Occupied Bandwidth NVNT_ANT1_3-DH1_2441_00



99% Occupied Bandwidth NVNT_ANT1_3-DH1_2480_00



4. Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	-0.42	0.91	125	Pass
NVNT	ANT1	1-DH1	2441.00	-0.28	0.94	125	Pass
NVNT	ANT1	1-DH1	2480.00	0.14	1.03	125	Pass
NVNT	ANT1	2-DH1	2402.00	0.57	1.14	125	Pass
NVNT	ANT1	2-DH1	2441.00	0.66	1.16	125	Pass
NVNT	ANT1	2-DH1	2480.00	1.11	1.29	125	Pass
NVNT	ANT1	3-DH1	2402.00	-0.47	0.90	125	Pass
NVNT	ANT1	3-DH1	2441.00	-0.38	0.92	125	Pass
NVNT	ANT1	3-DH1	2480.00	0.37	1.09	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH1_2402_00



Peak_Output_Power_NVNT_ANT1_1-DH1_2441_00



Peak_Output_Power_NVNT_ANT1_1-DH1_2480_00



Peak_Output_Power_NVNT_ANT1_2-DH1_2402_00



Peak_Output_Power_NVNT_ANT1_2-DH1_2441_00



Peak Output Power NVNT_ANT1_2-DH1_2480_00



Peak Output Power NVNT_ANT1_3-DH1_2402_00



Peak Output Power NVNT_ANT1_3-DH1_2441_00



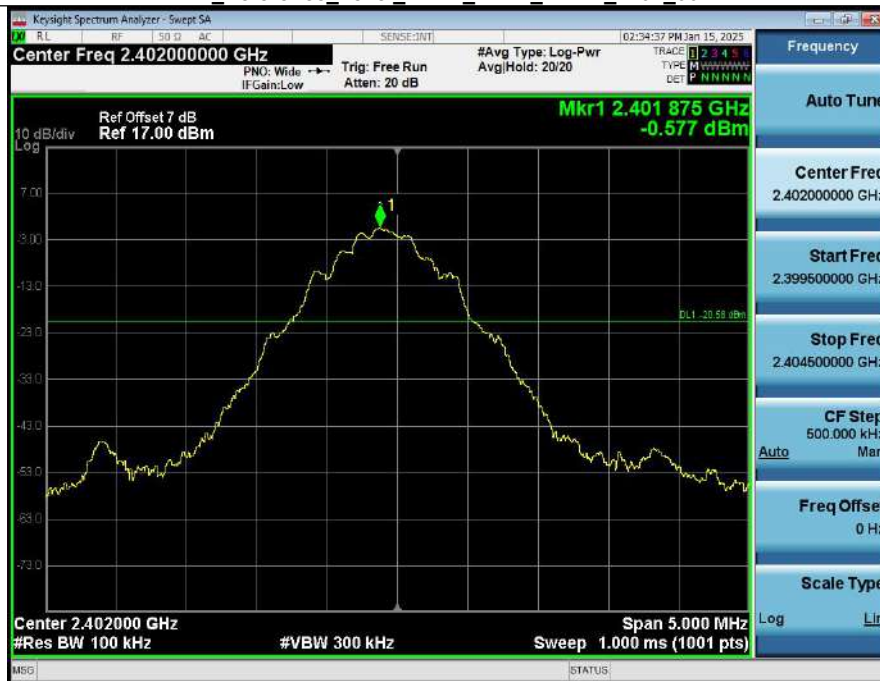
Peak Output Power NVNT_ANT1_3-DH1_2480_00



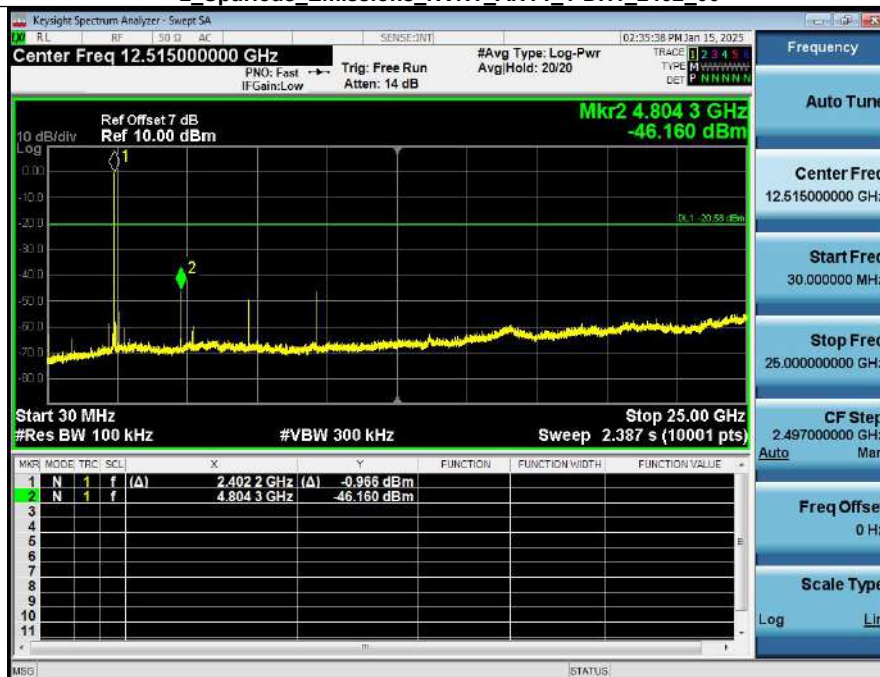
5. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-0.577	-46.160	-20.577	Pass
NVNT	ANT1	1-DH1	2441.00	-0.475	-45.097	-20.475	Pass
NVNT	ANT1	1-DH1	2480.00	-0.156	-39.547	-20.156	Pass
NVNT	ANT1	2-DH1	2402.00	-0.543	-45.523	-20.543	Pass
NVNT	ANT1	2-DH1	2441.00	-0.518	-41.709	-20.518	Pass
NVNT	ANT1	2-DH1	2480.00	-0.079	-39.520	-20.079	Pass
NVNT	ANT1	3-DH1	2402.00	0.917	-46.129	-19.083	Pass
NVNT	ANT1	3-DH1	2441.00	0.592	-39.960	-19.408	Pass
NVNT	ANT1	3-DH1	2480.00	-0.155	-46.679	-20.155	Pass

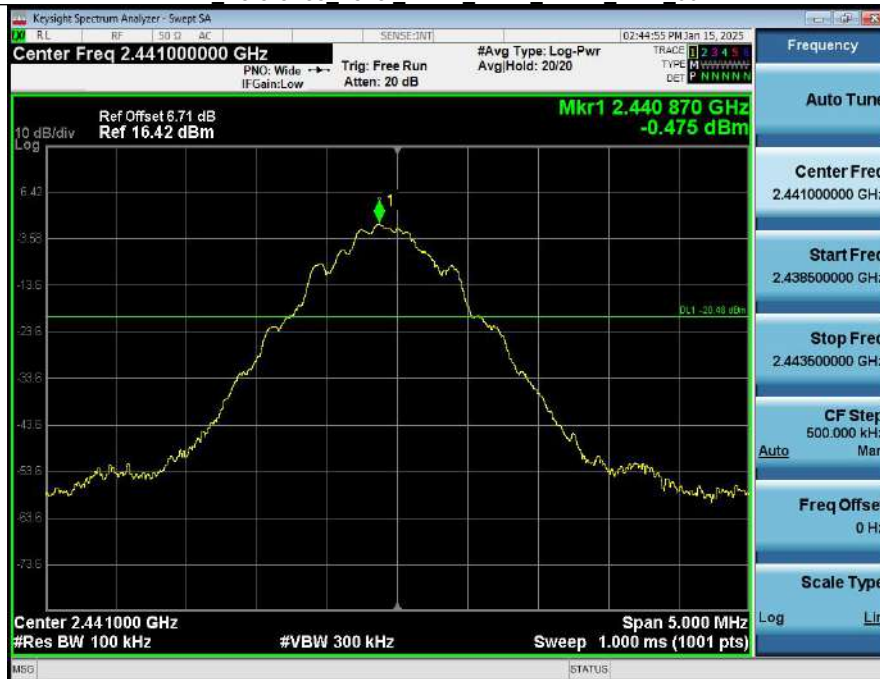
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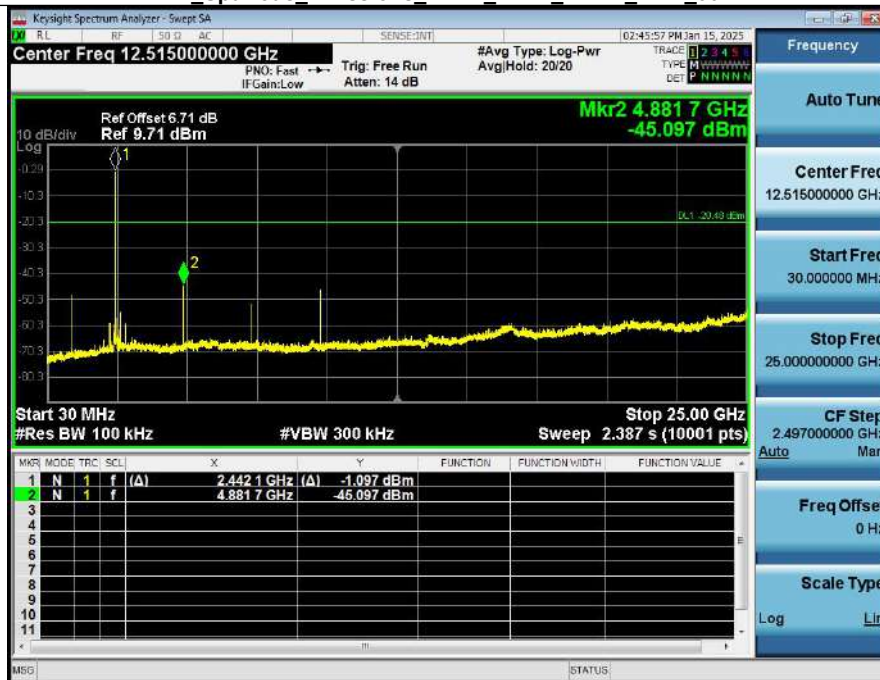
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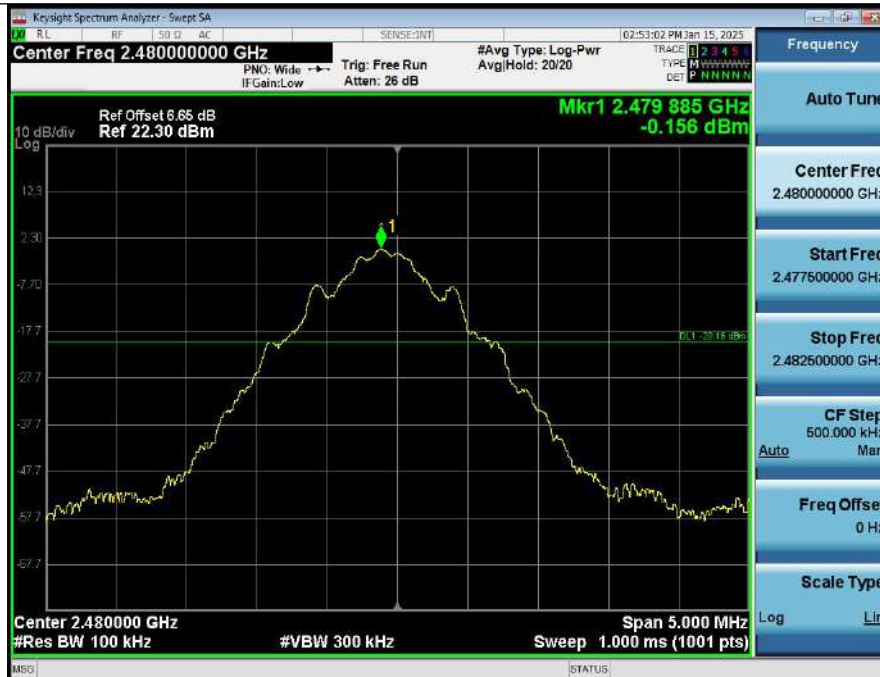
1 Reference Level NVNT ANT1 1-DH1 2441_00



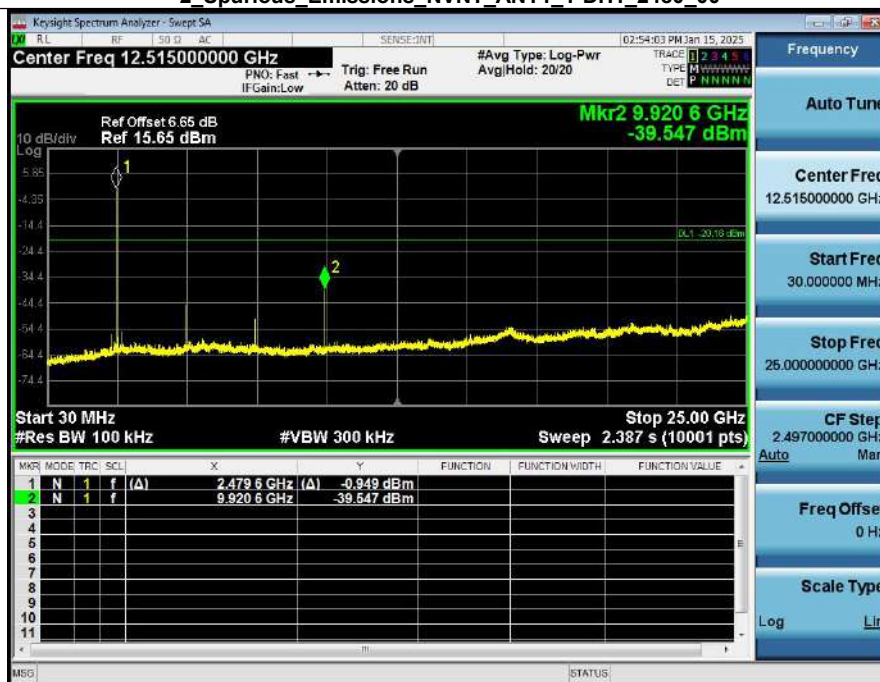
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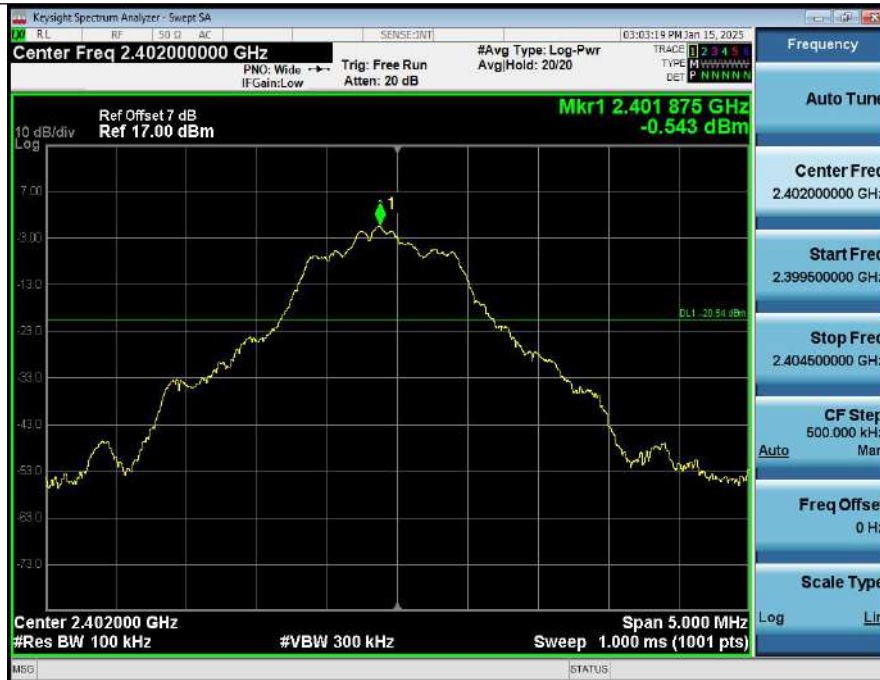
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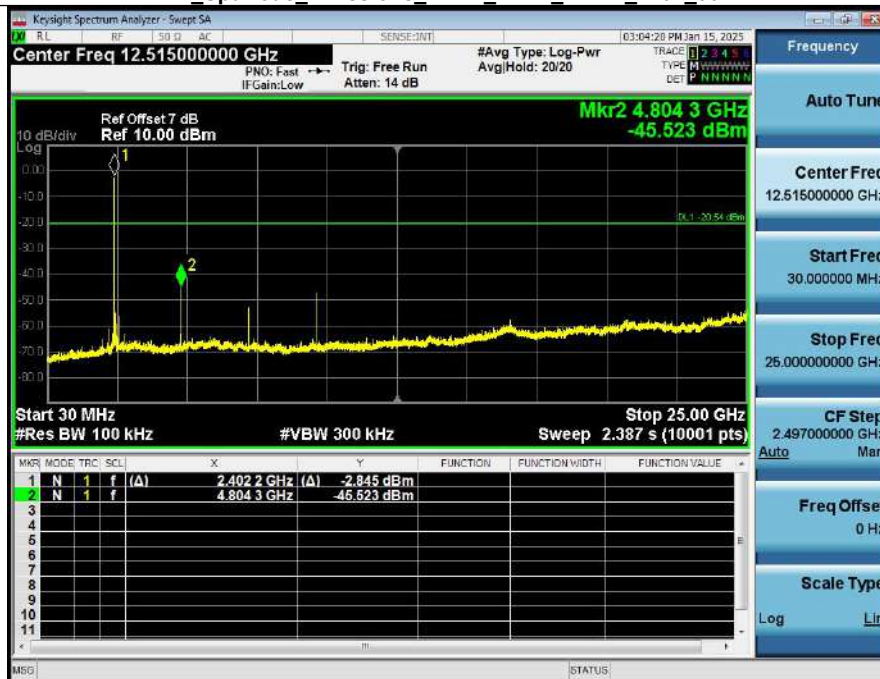
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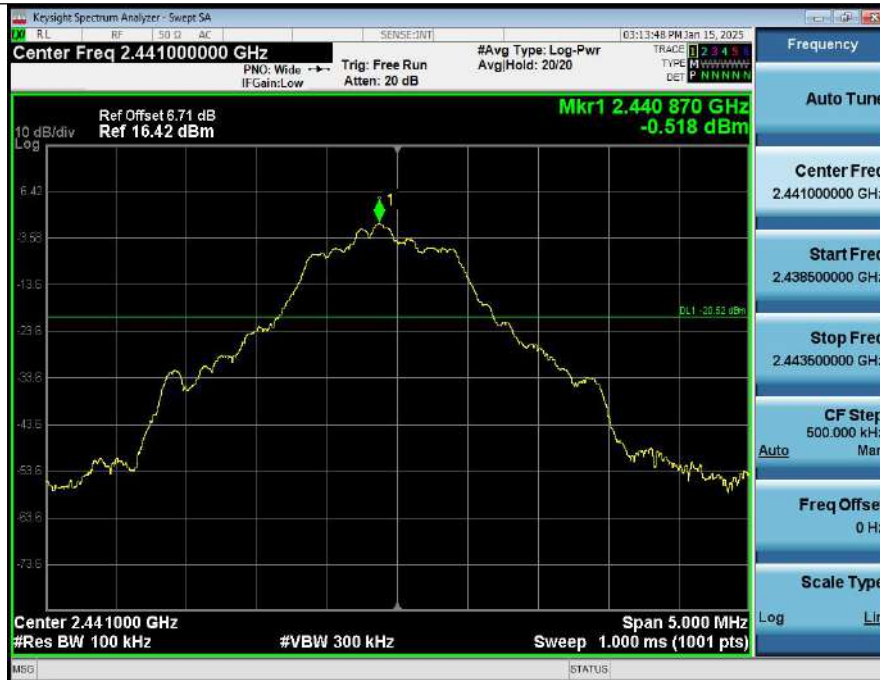
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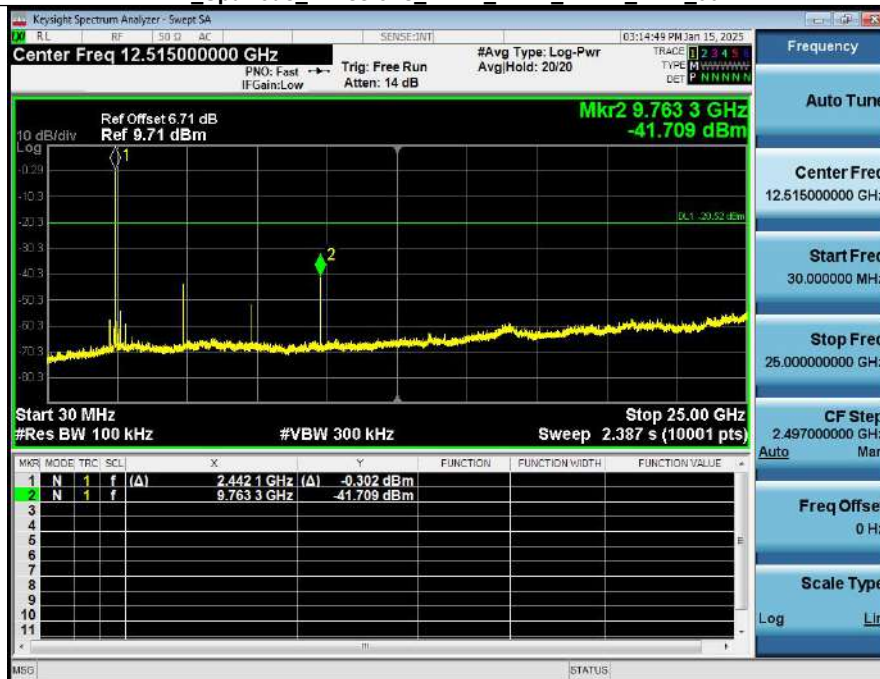
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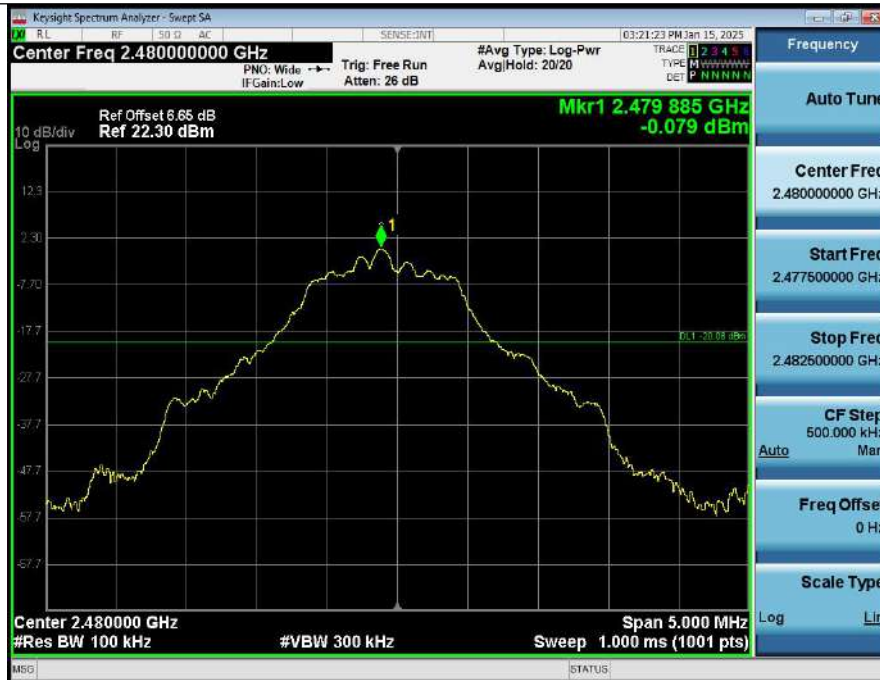
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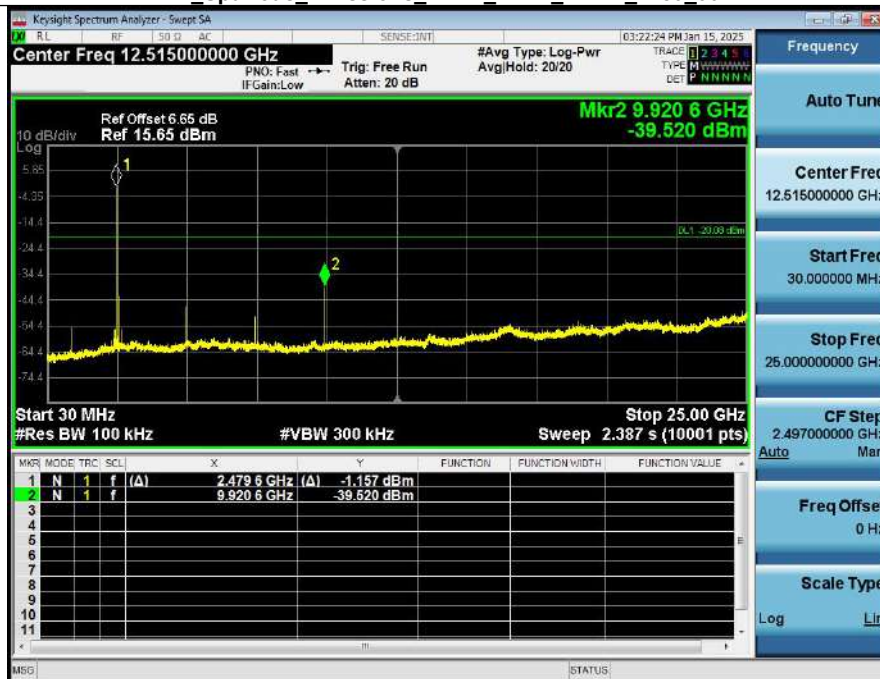
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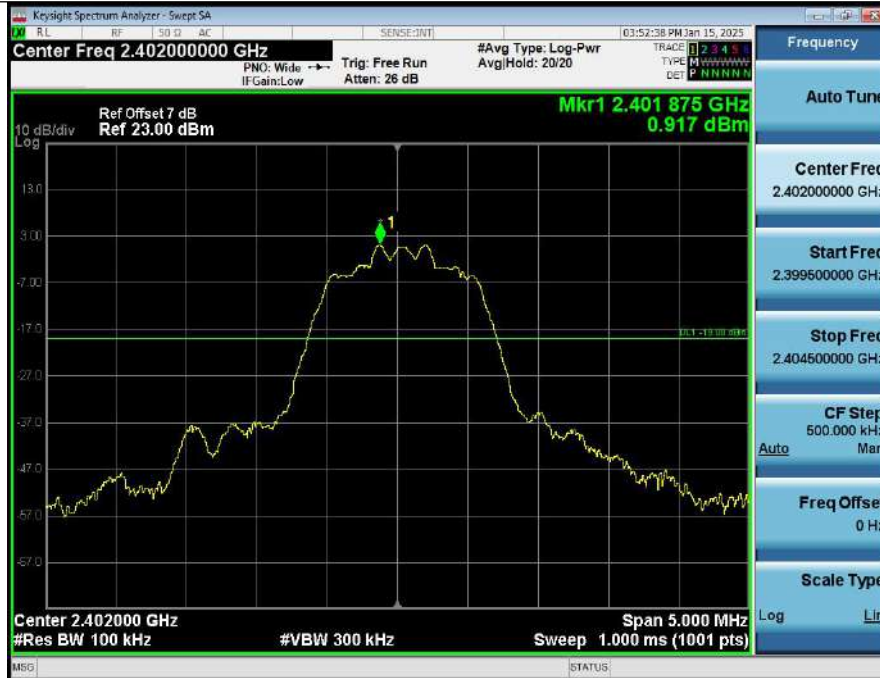
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2_Spurious_Emissions_NVNT_ANT1_2-DH1_2480_00



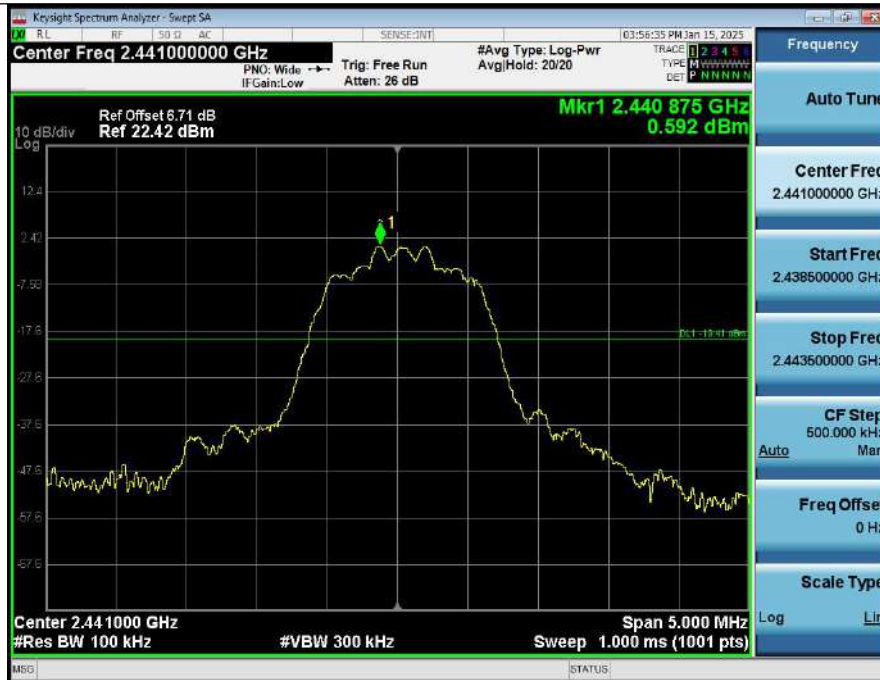
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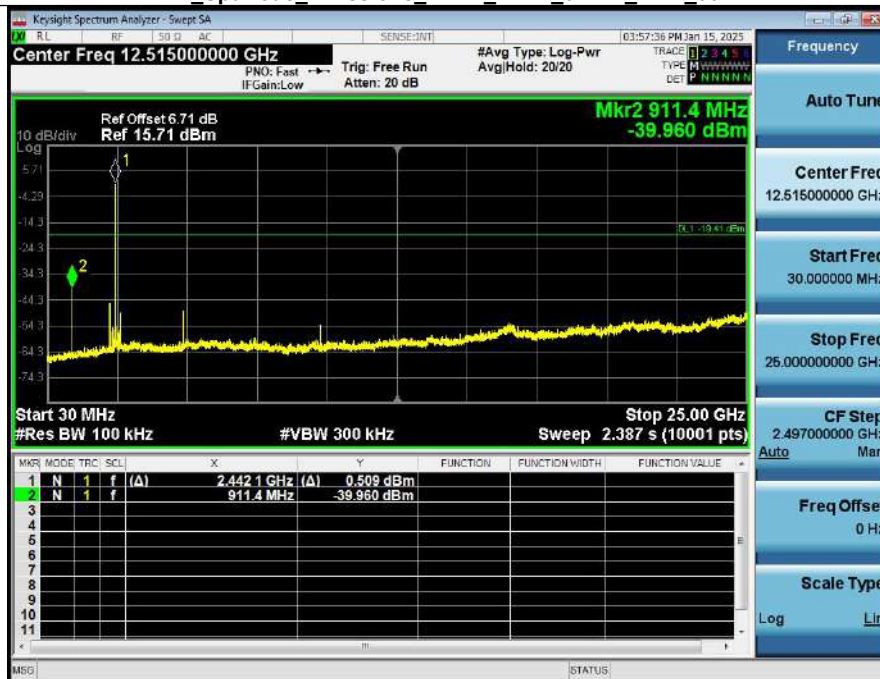
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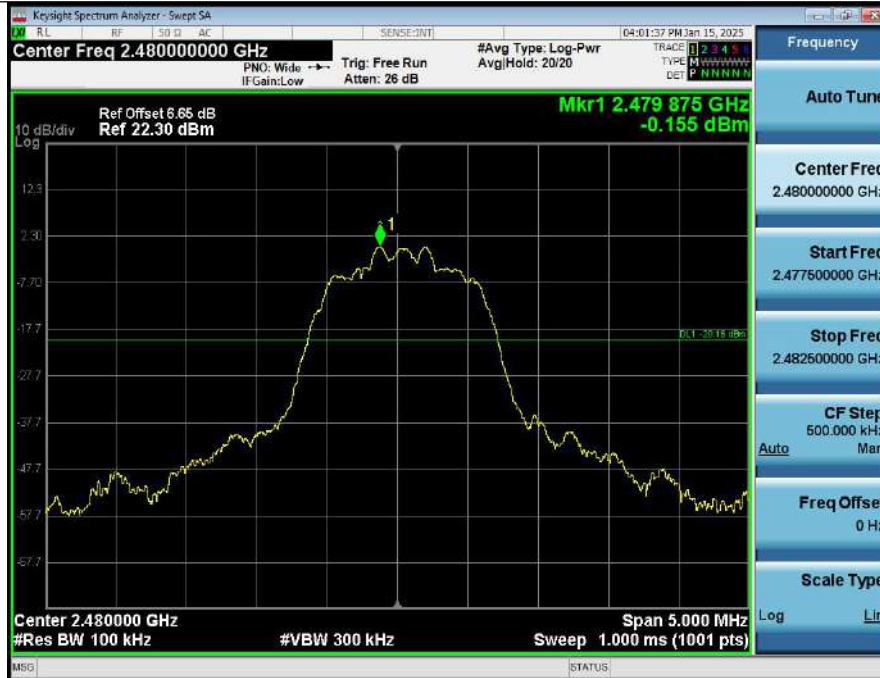
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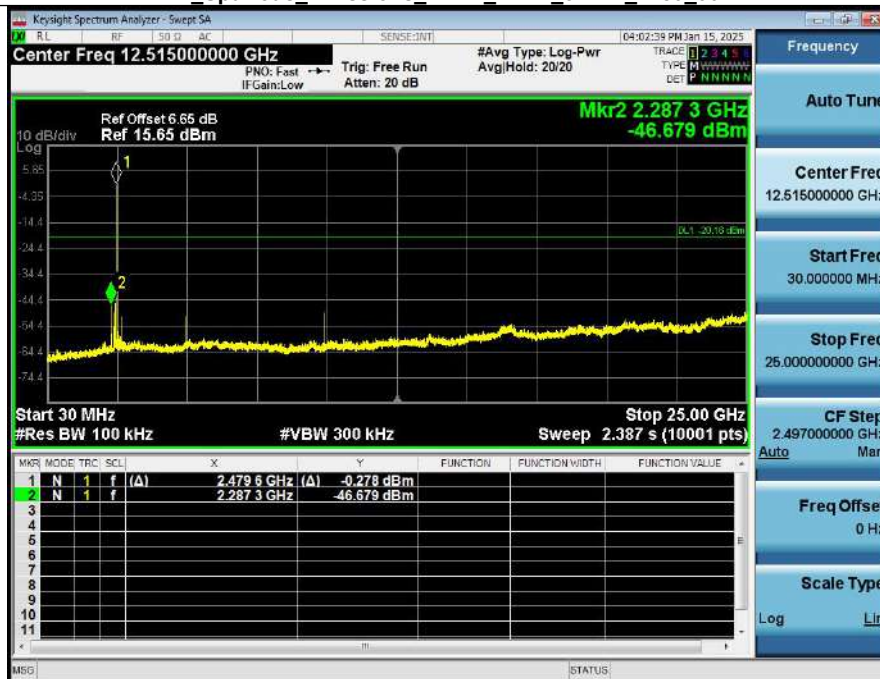
2_Spurious_Emissions_NVNT_ANT1_3-DH1_2441_00



1_Reference_Level_NVNT_ANT1_3-DH1_2480_00



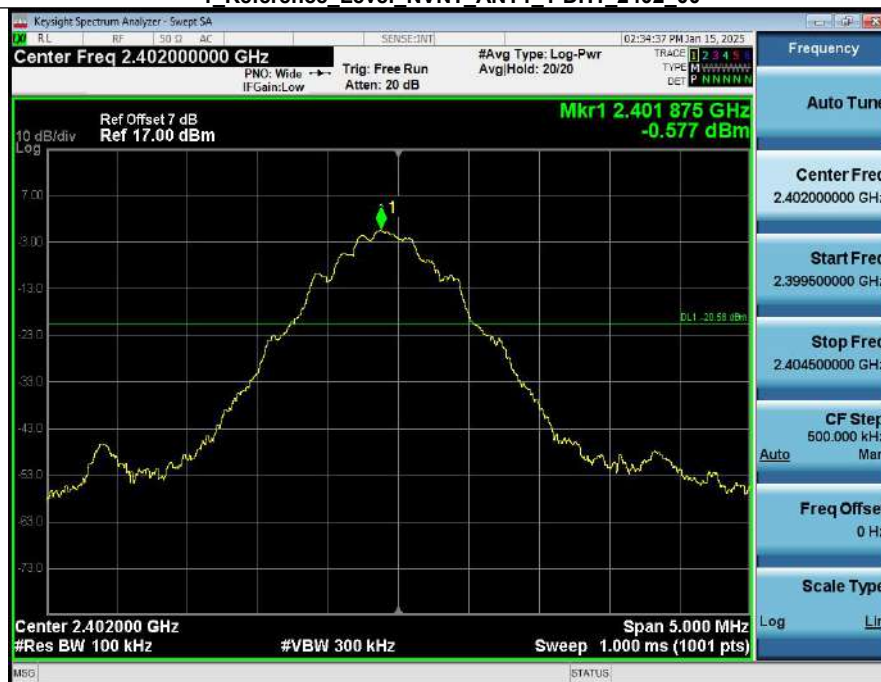
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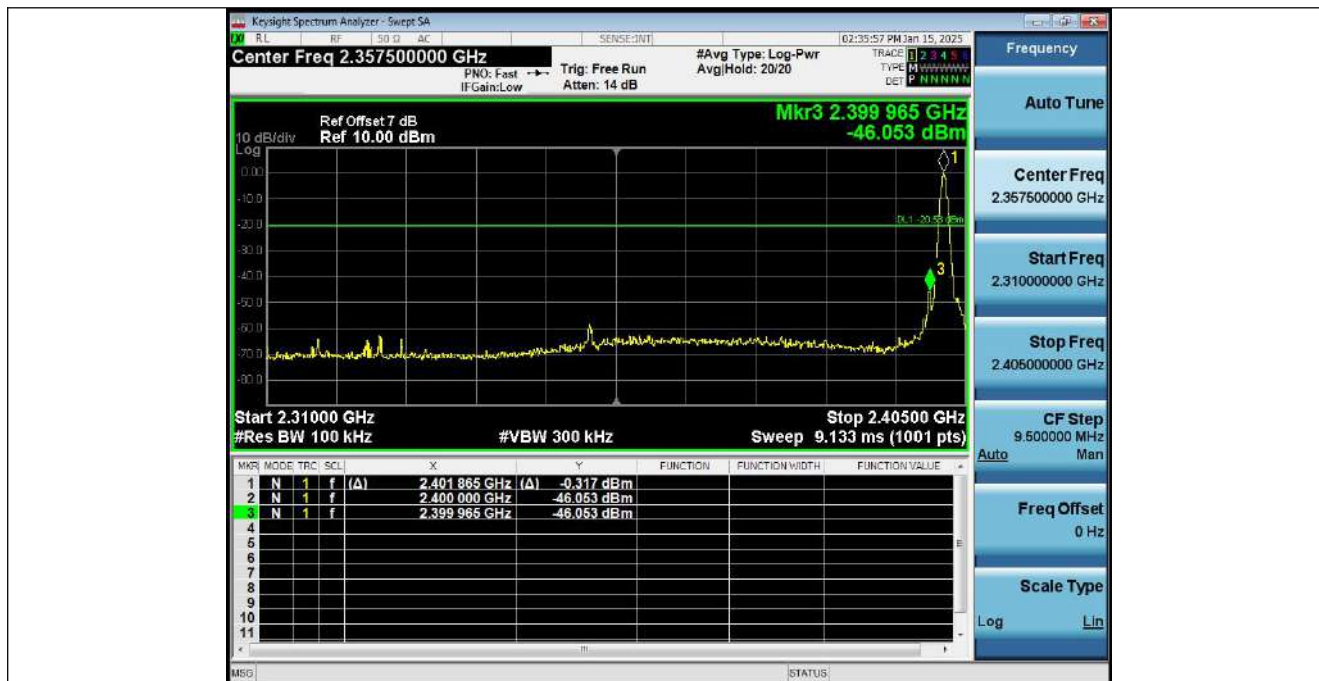
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-0.577	-46.053	-20.577	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	0.464	-47.448	-19.536	Pass
NVNT	ANT1	1-DH1	2480.00	-0.156	-60.572	-20.156	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	0.142	-50.872	-19.858	Pass
NVNT	ANT1	2-DH1	2402.00	-0.543	-46.163	-20.543	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	0.407	-46.568	-19.593	Pass
NVNT	ANT1	2-DH1	2480.00	-0.079	-60.499	-20.079	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	0.038	-39.234	-19.962	Pass
NVNT	ANT1	3-DH1	2402.00	0.917	-47.542	-19.083	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	0.294	-47.541	-19.706	Pass
NVNT	ANT1	3-DH1	2480.00	-0.155	-59.356	-20.155	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	0.771	-53.948	-19.229	Pass

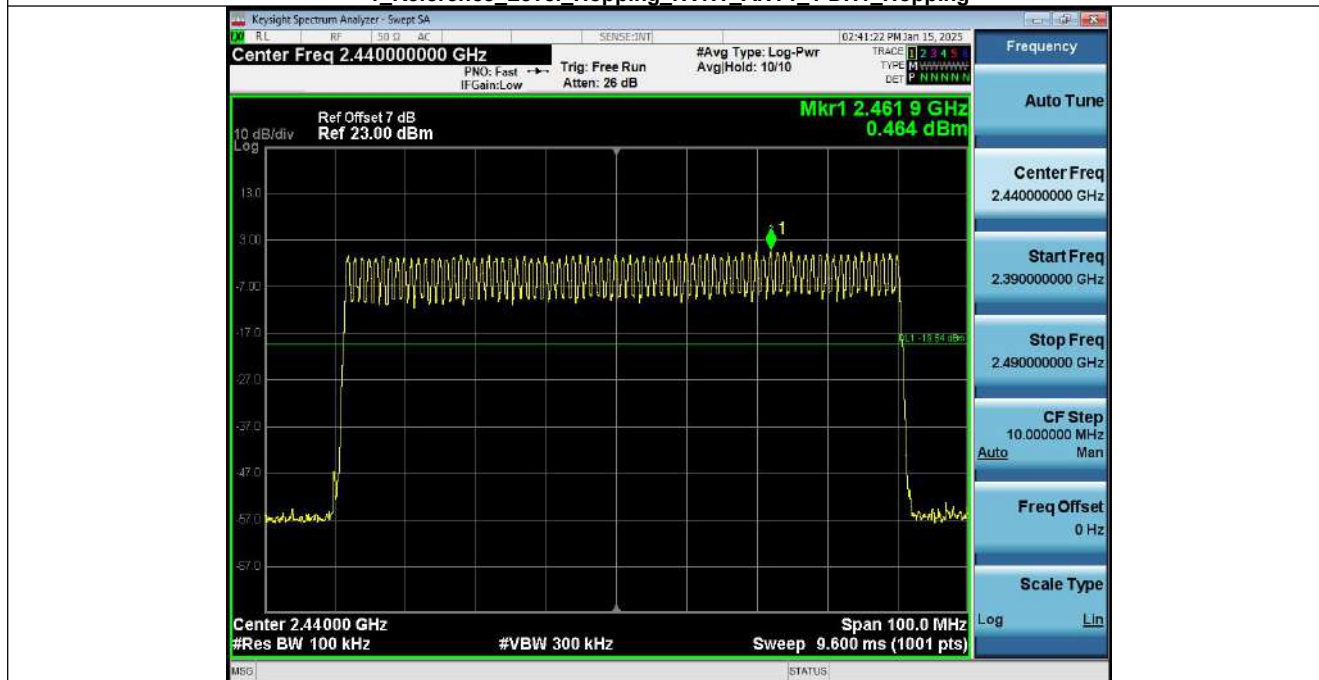
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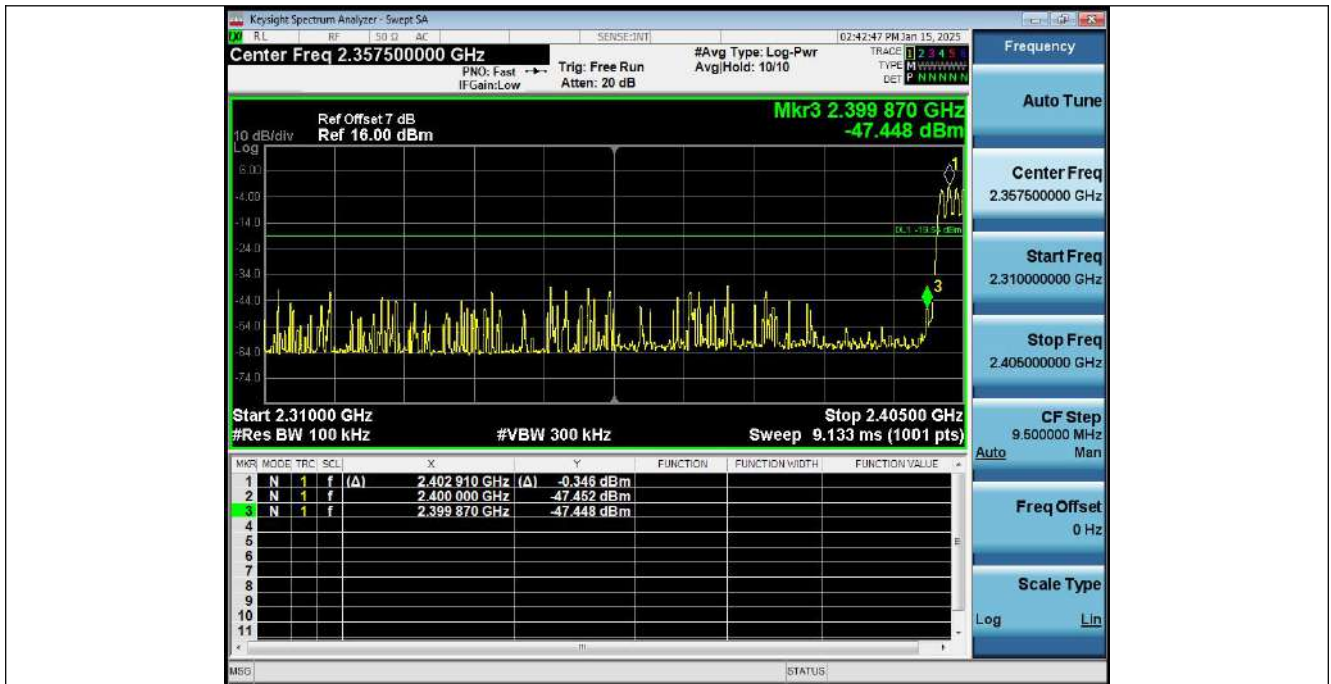
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1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



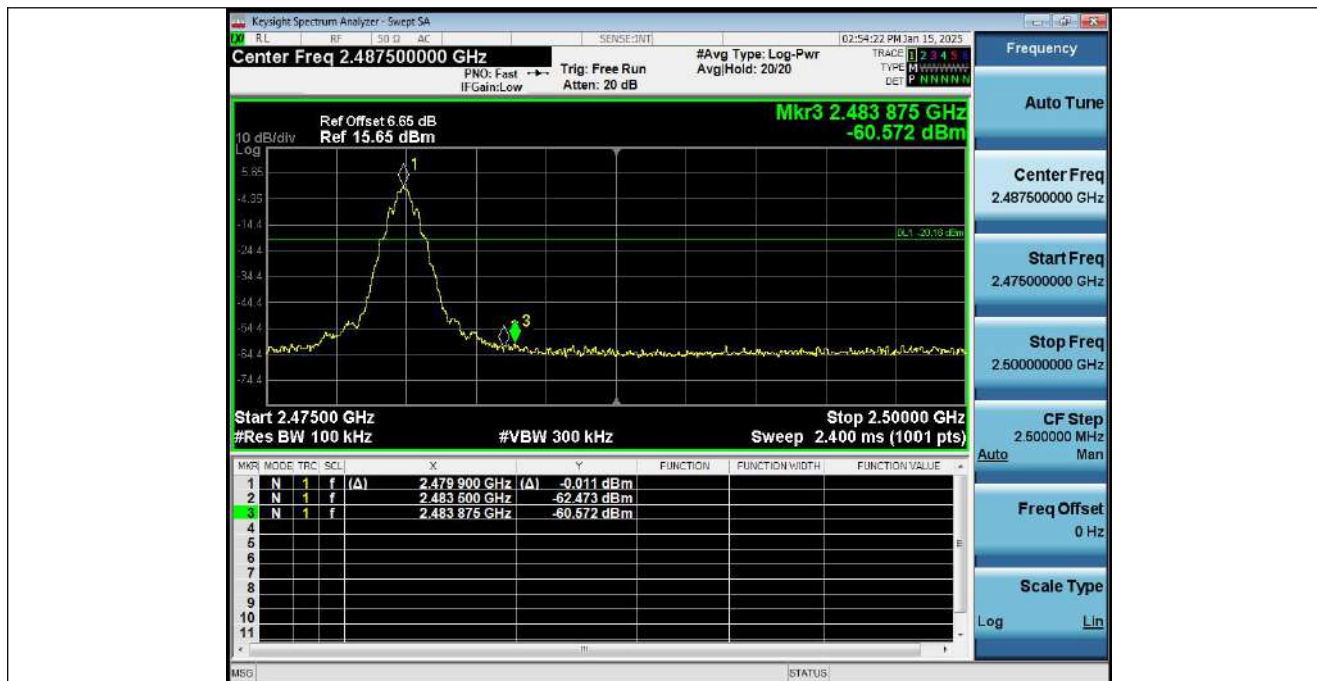
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



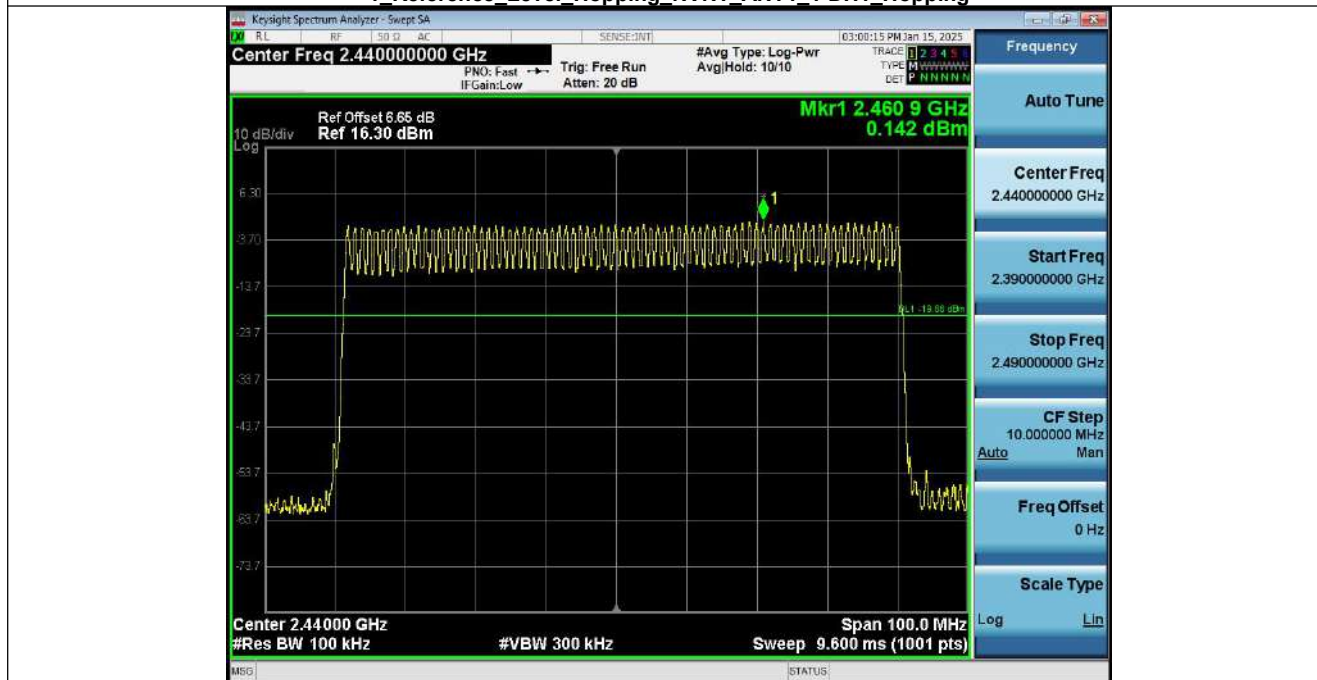
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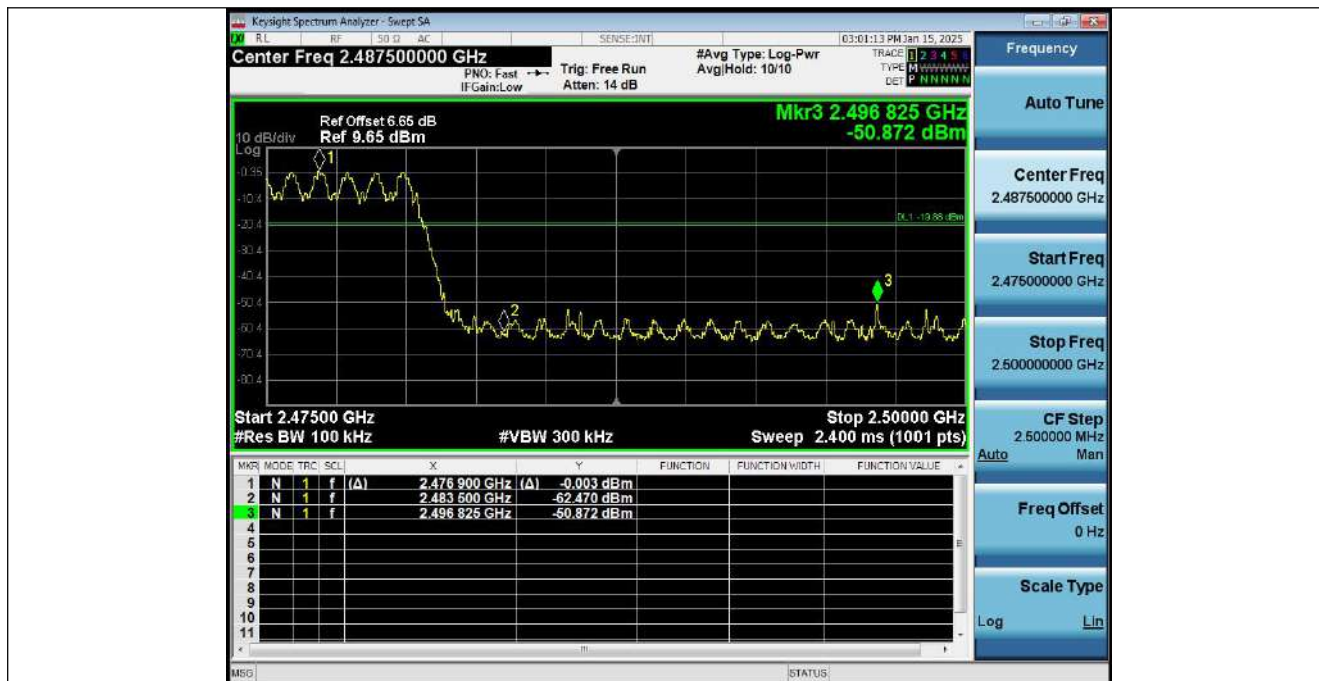
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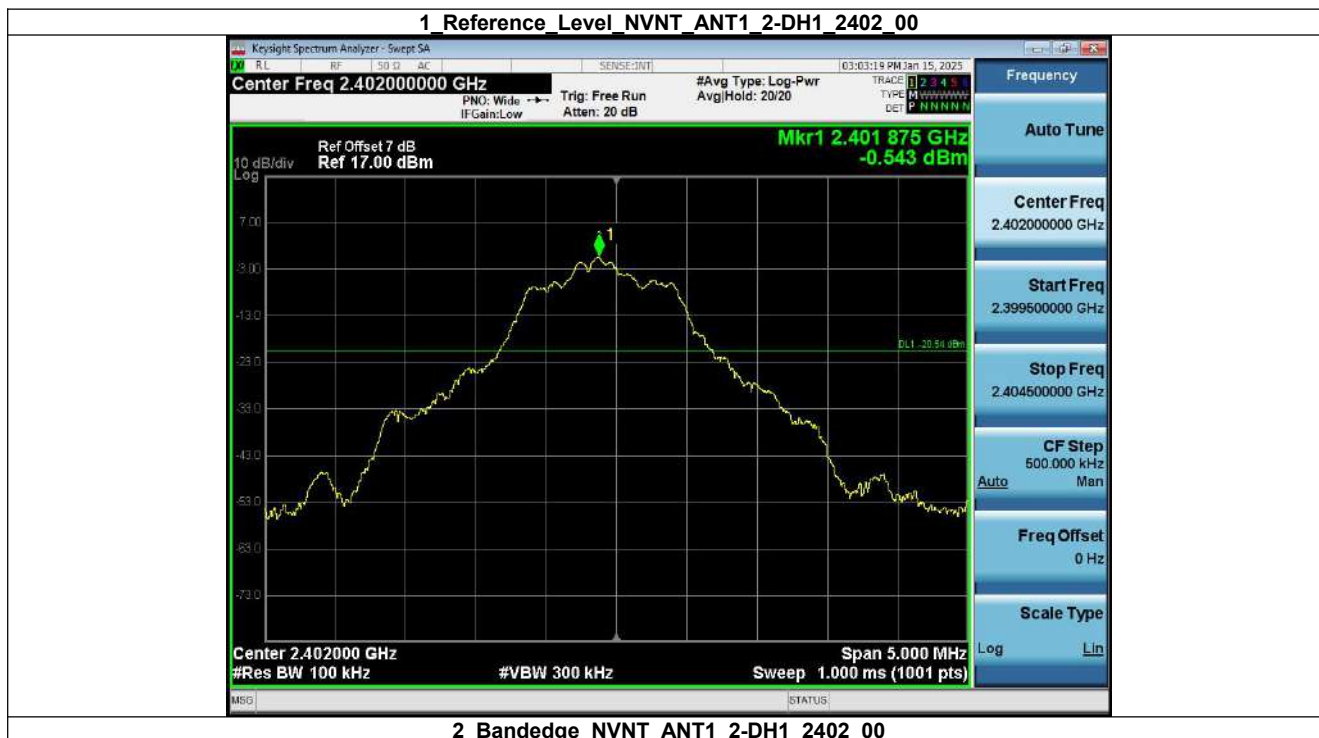
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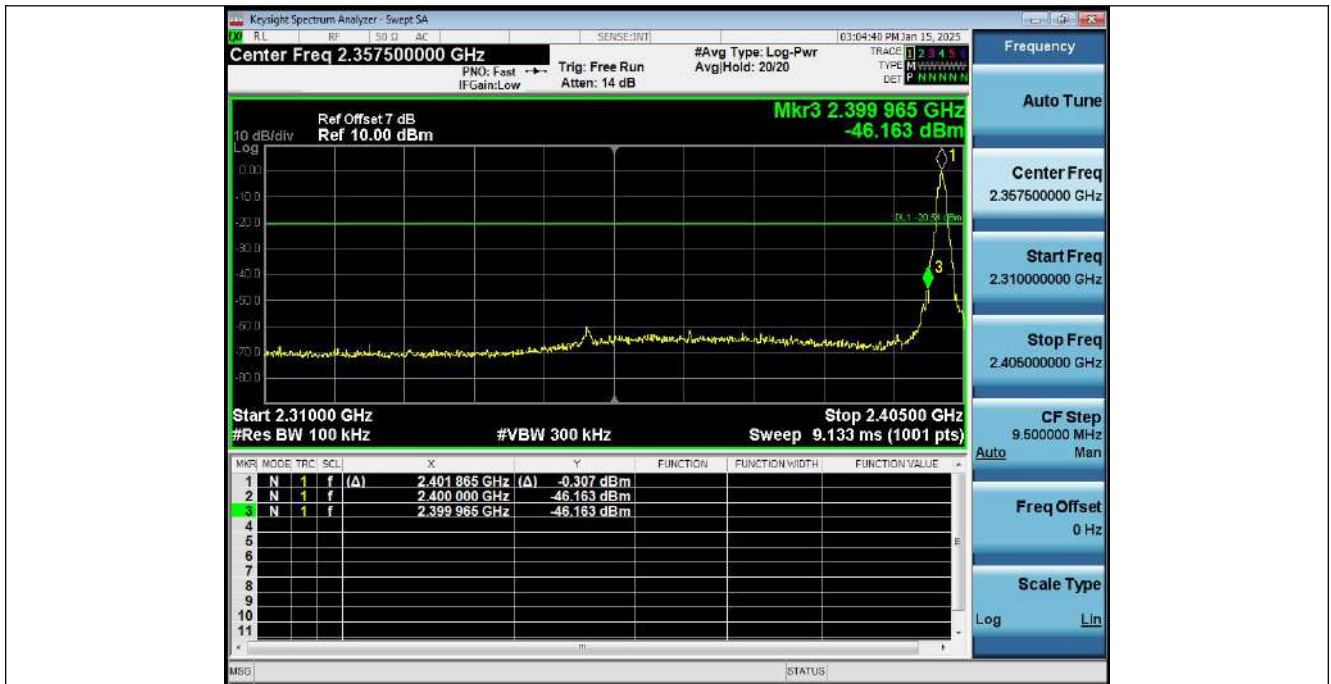
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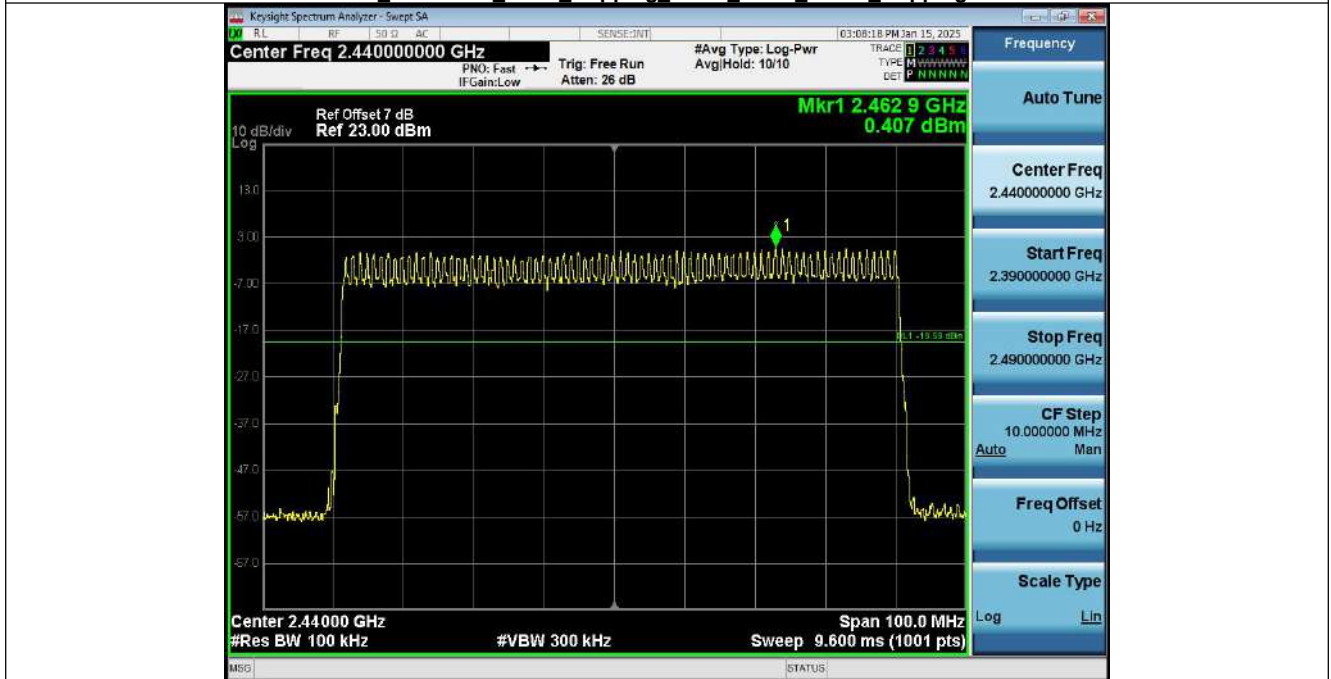
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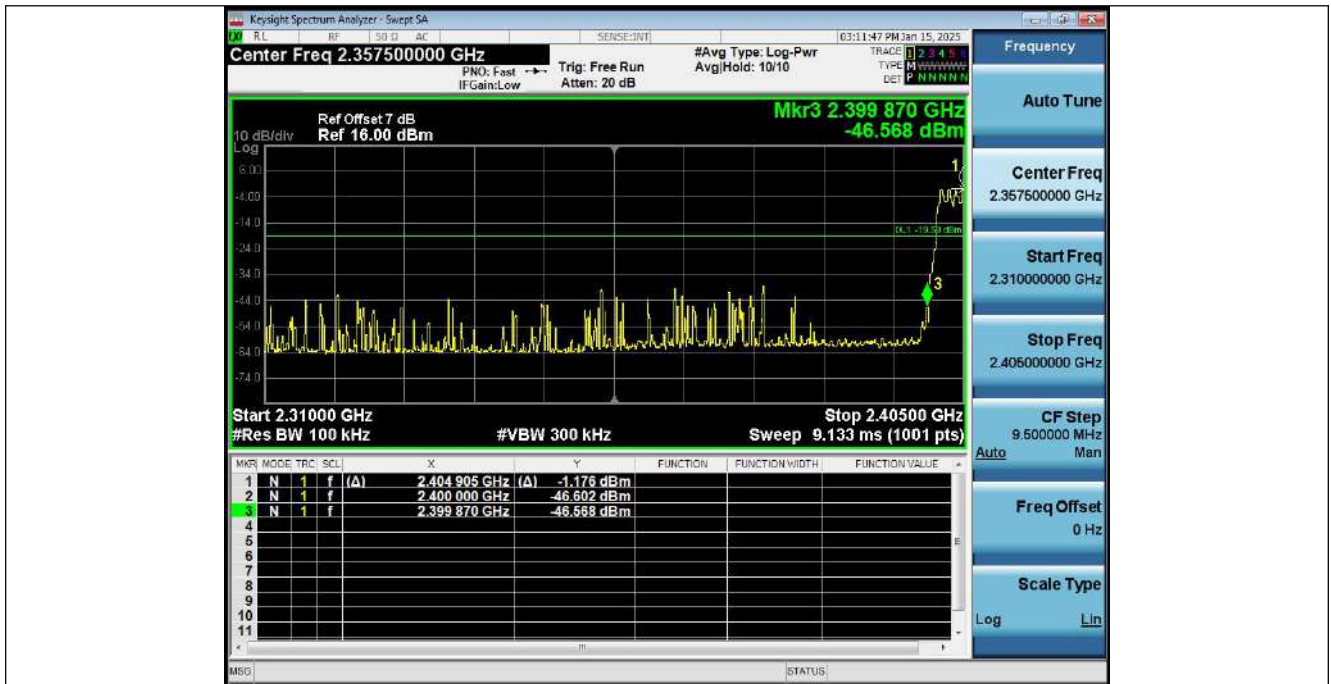
2 Bandedge NVNT ANT1 2-DH1 2402 00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



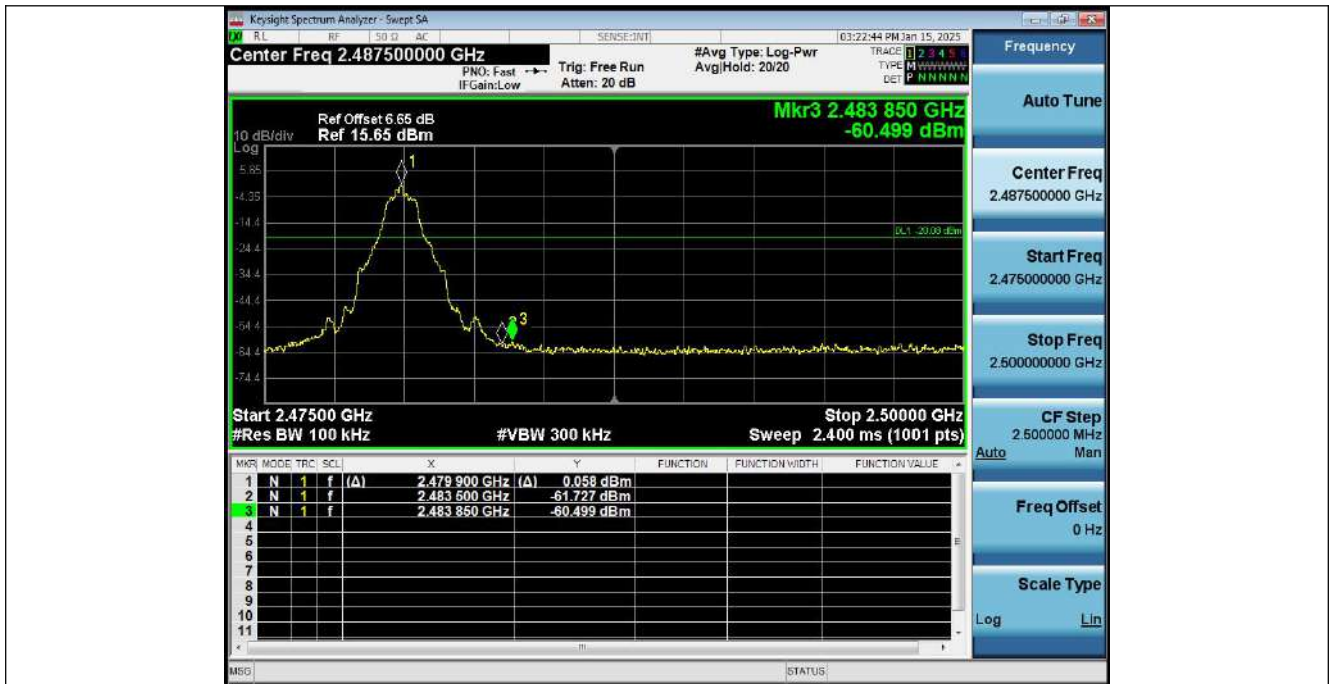
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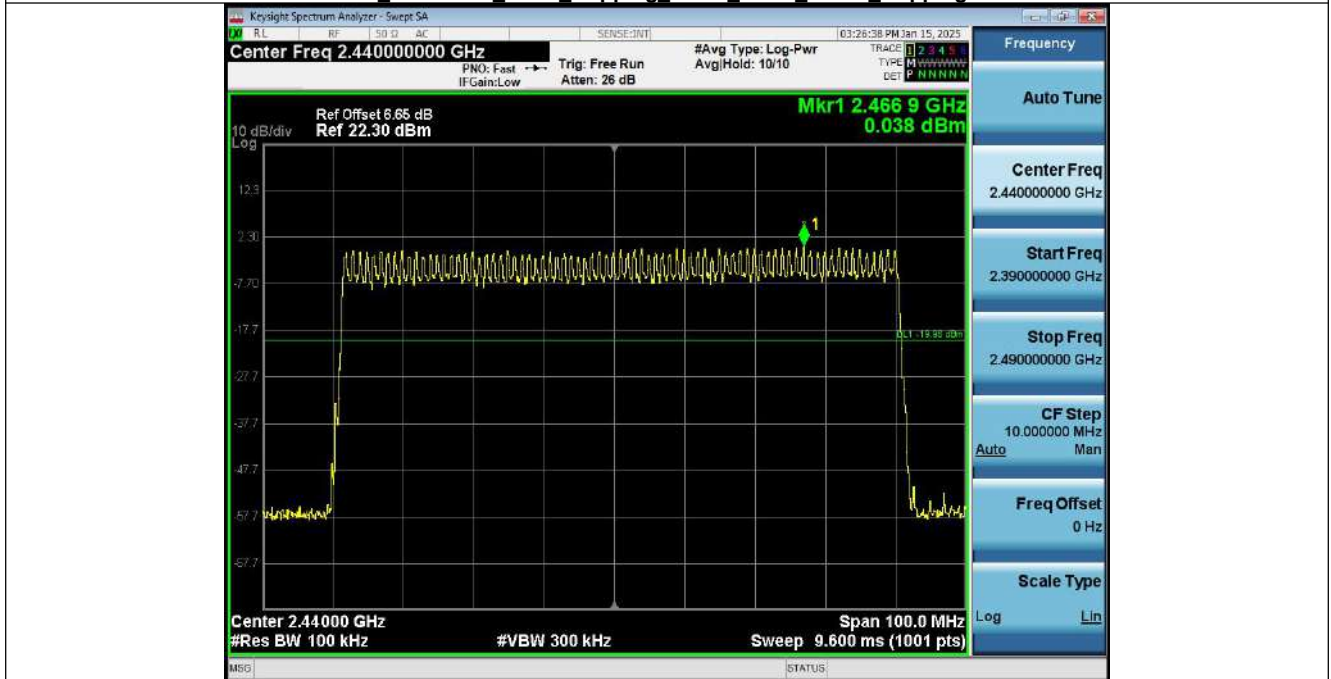
1 Reference Level NVNT ANT1 2-DH1 2480 00



2 Bandedge NVNT ANT1 2-DH1 2480 00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



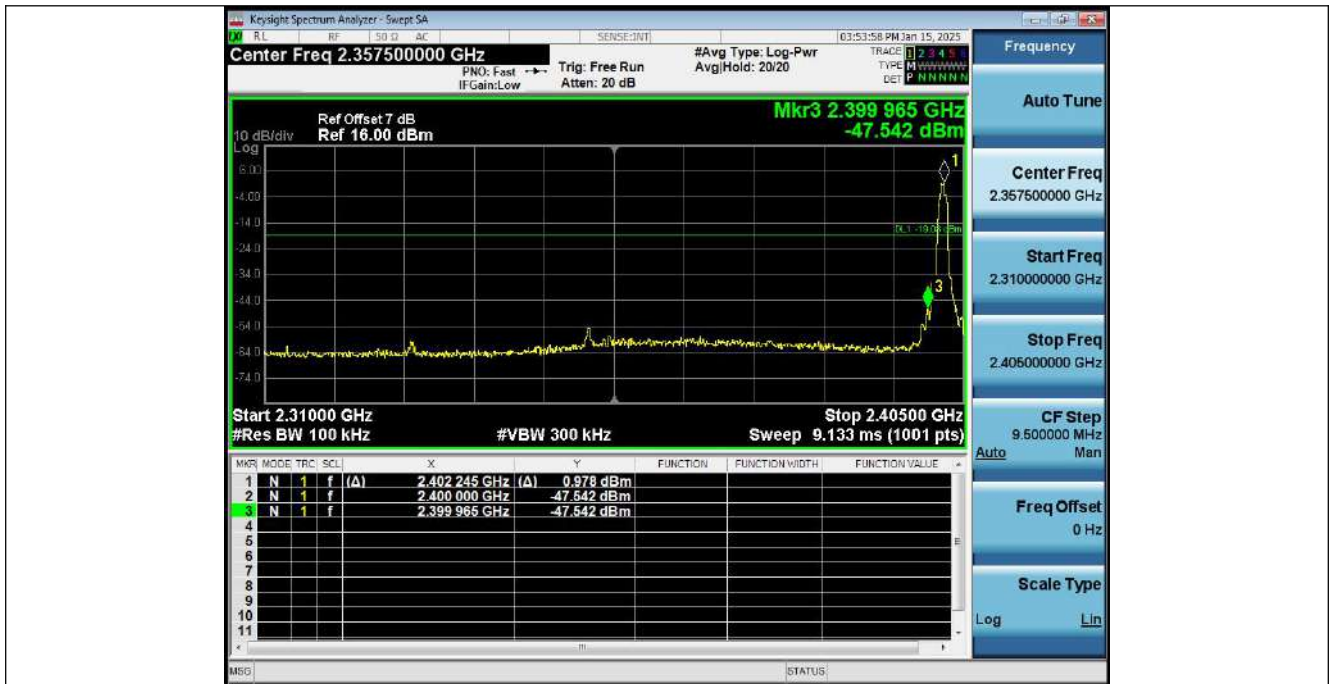
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



1 Reference Level NVNT ANT1 3-DH1 2402 00



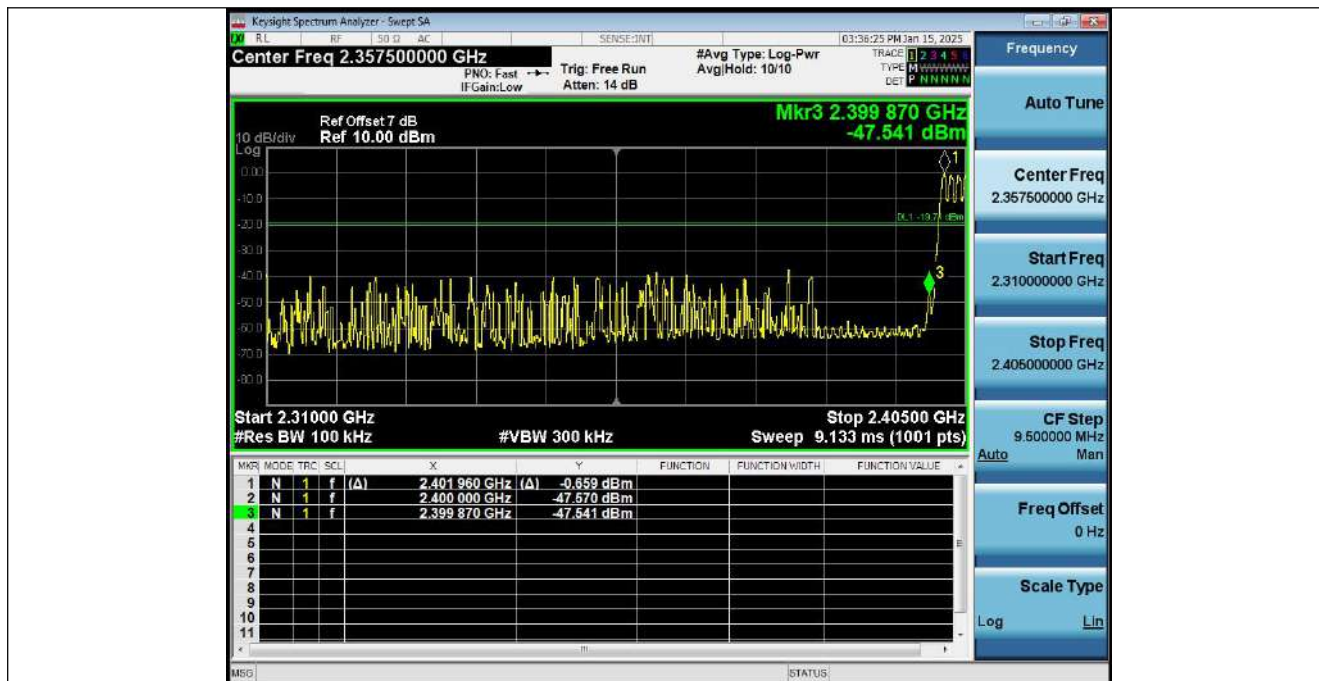
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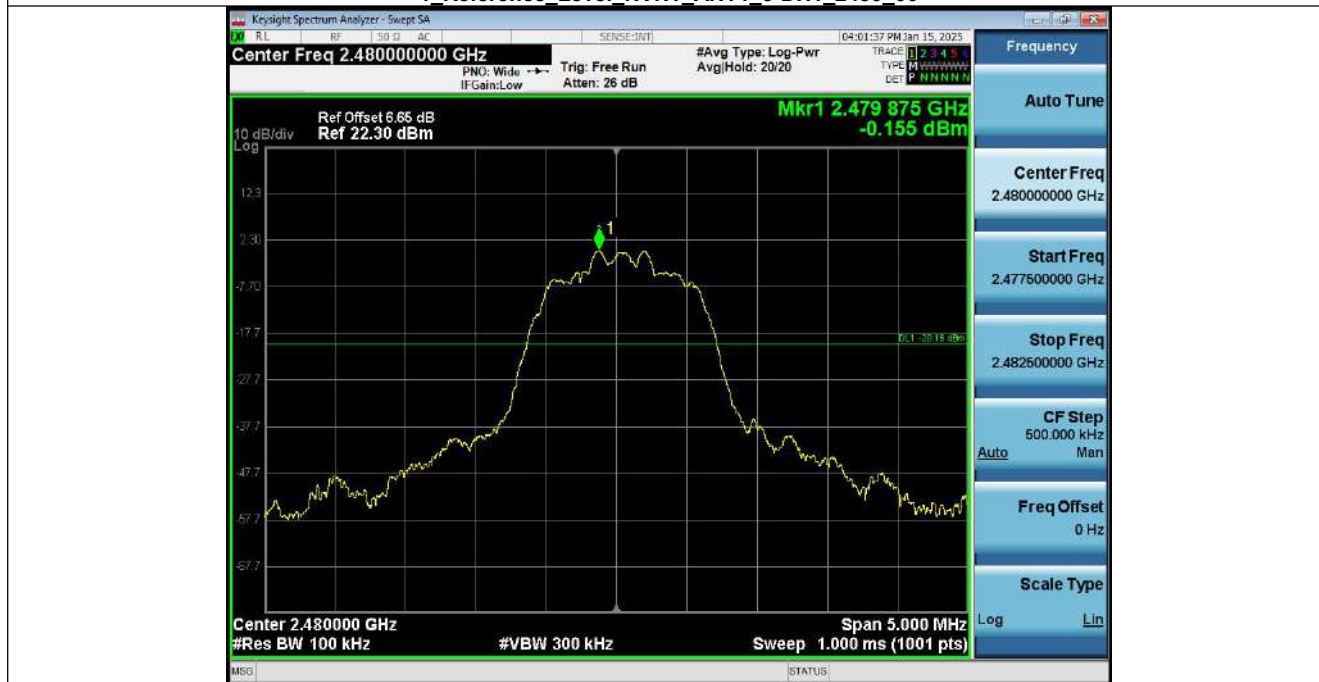
1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



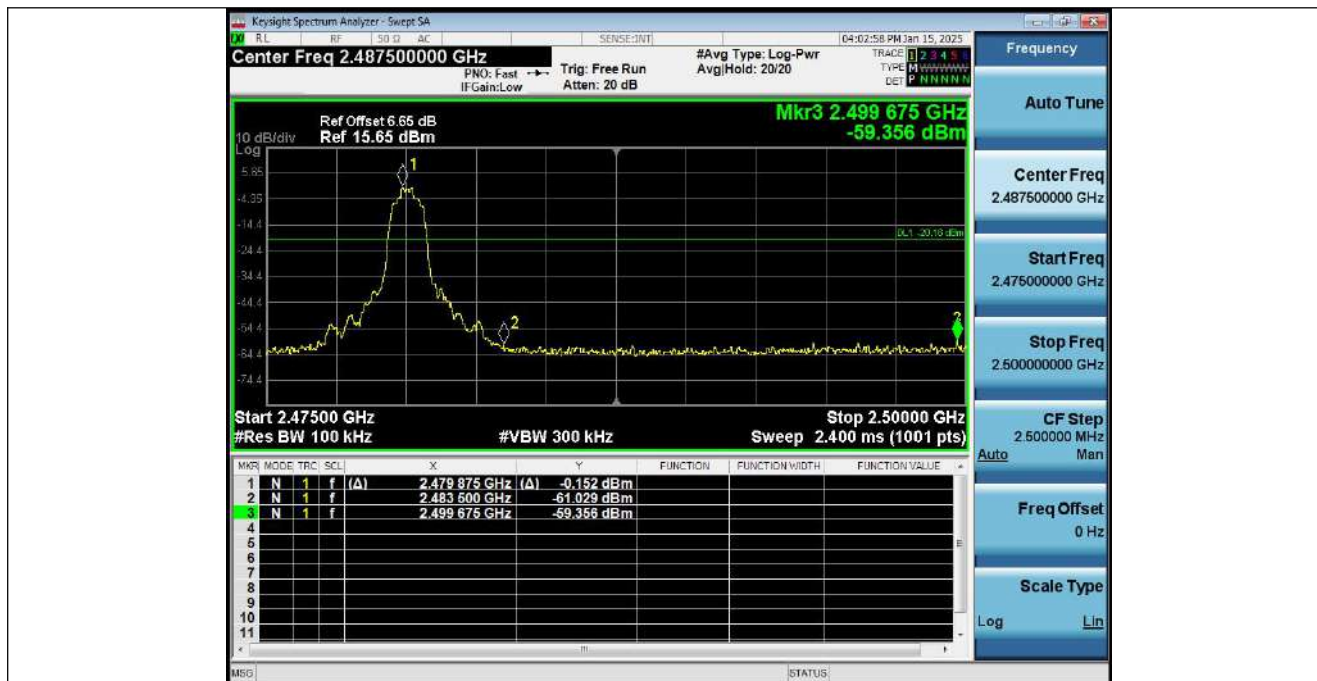
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



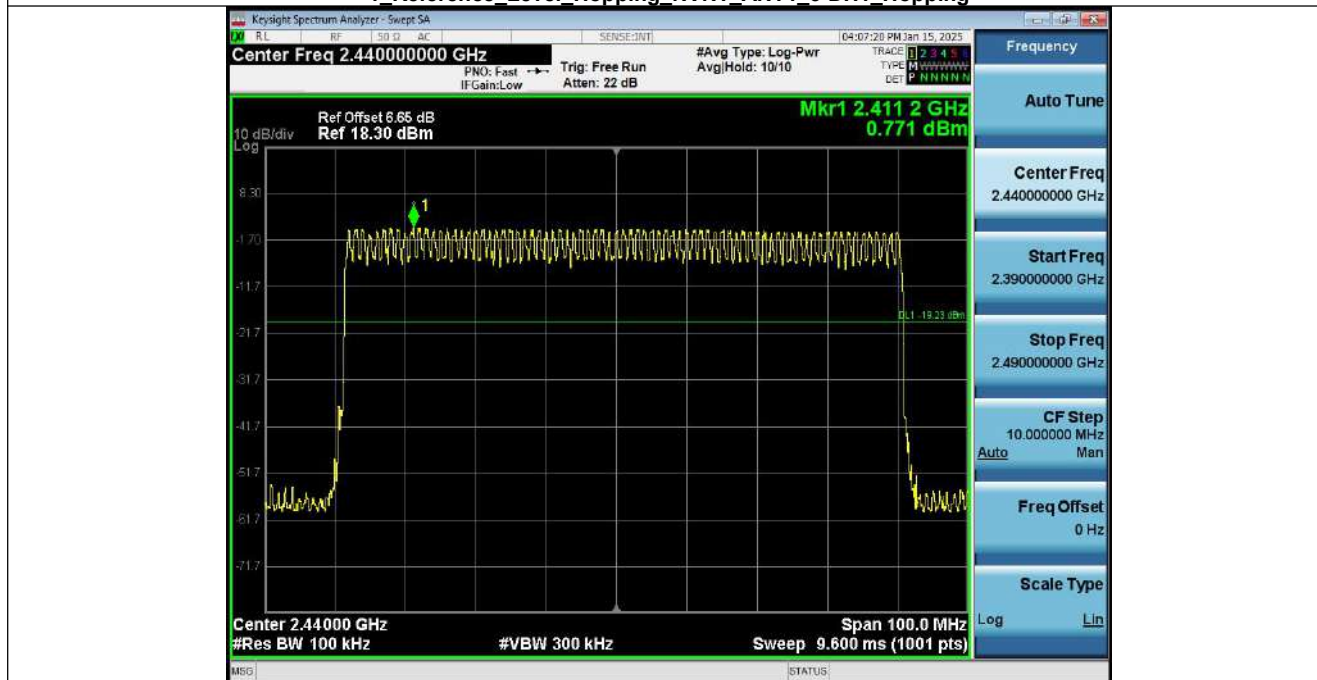
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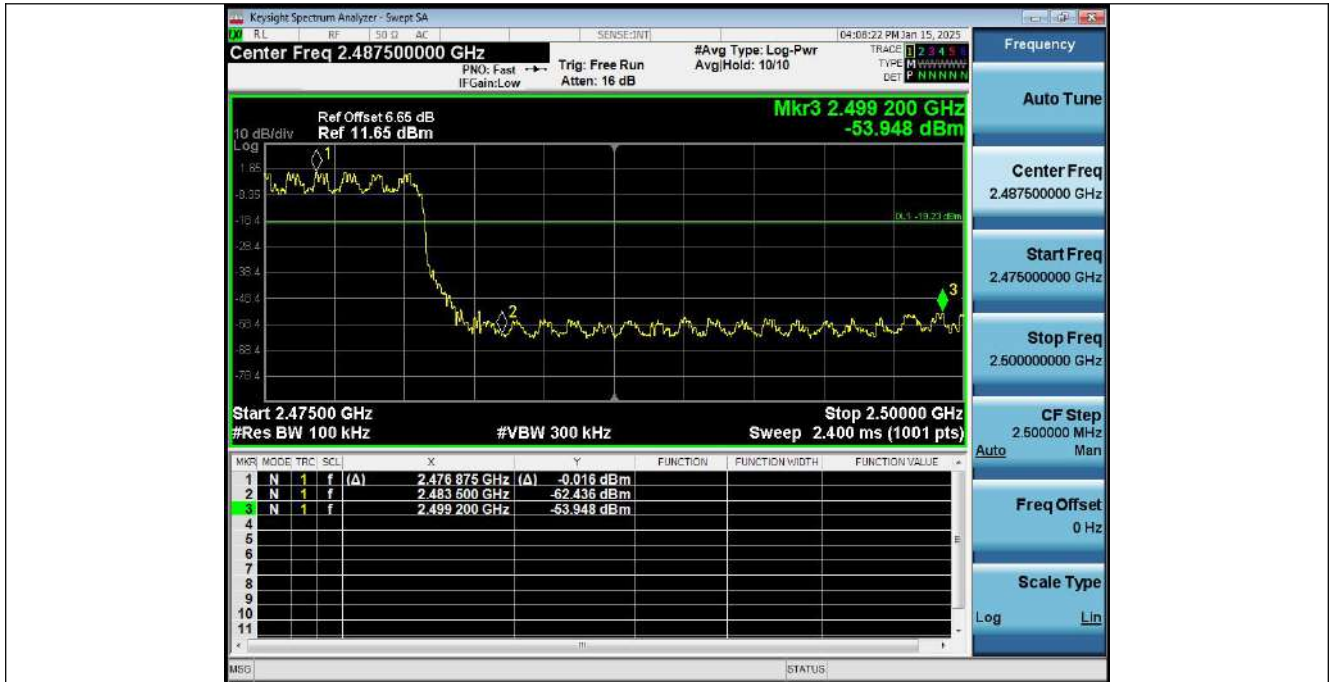
2 Bandedge NVNT ANT1 3-DH1 2480 00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



2 Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



7. 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-DH1	2402.00	2402.185	2403.187	1.00	0.715	Pass
NVNT	ANT1	1-DH1	2441.00	2440.879	2441.842	0.96	0.713	Pass
NVNT	ANT1	1-DH1	2480.00	2478.876	2479.872	1.00	0.725	Pass
NVNT	ANT1	2-DH1	2402.00	2402.032	2403.052	1.02	0.847	Pass
NVNT	ANT1	2-DH1	2441.00	2440.861	2441.878	1.02	0.850	Fail
NVNT	ANT1	2-DH1	2480.00	2478.882	2479.875	0.99	0.847	Pass
NVNT	ANT1	3-DH1	2402.00	2402.047	2403.046	1.00	0.816	Pass
NVNT	ANT1	3-DH1	2441.00	2440.885	2441.884	1.00	0.817	Fail
NVNT	ANT1	3-DH1	2480.00	2478.882	2479.878	1.00	0.833	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



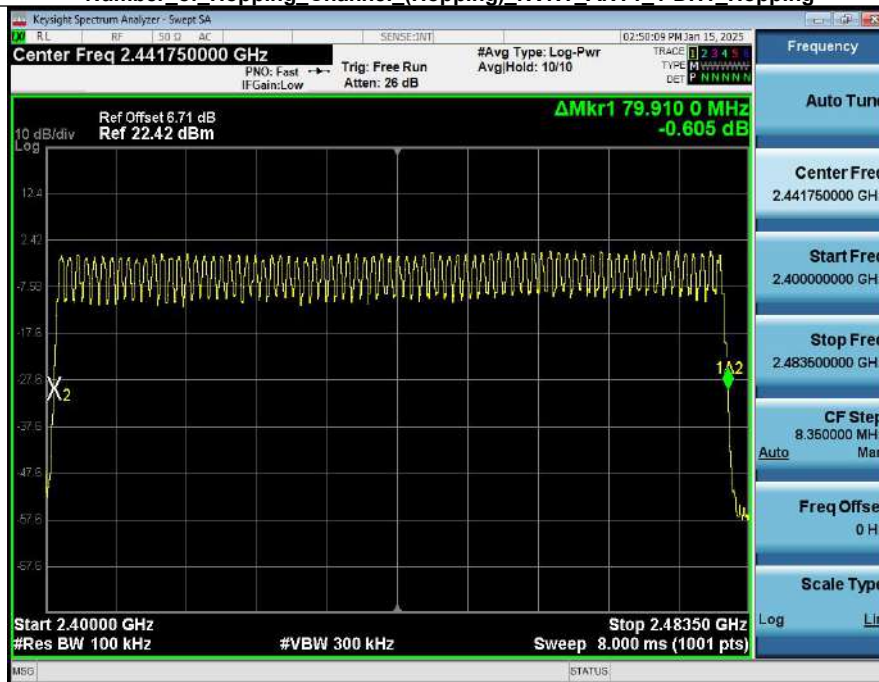
Carrier Frequencies Separation (Hopping) NVNT ANT1 3-DH1 Hopping



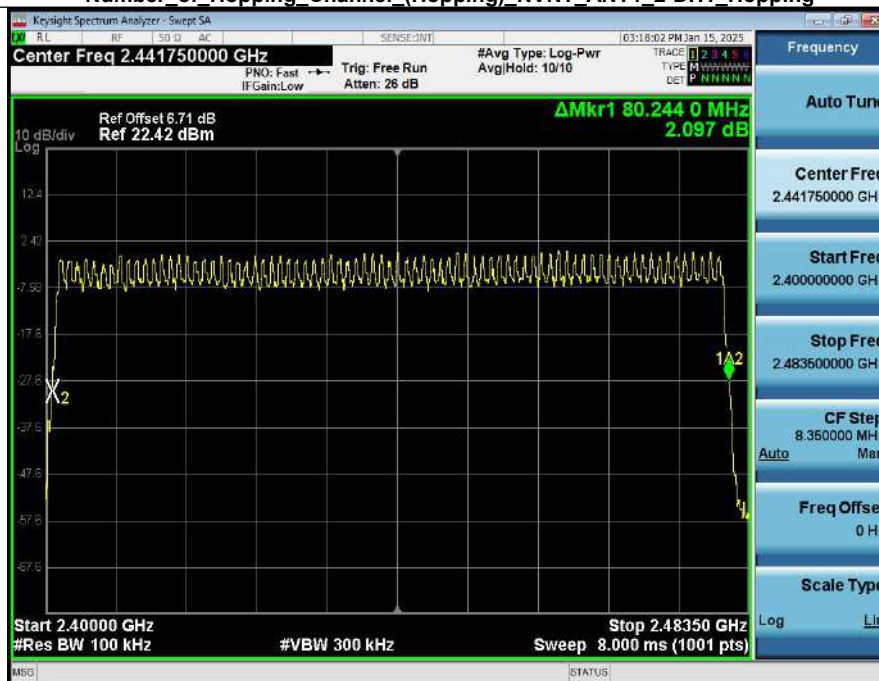
8. Number of Hopping Channel (Hopping)

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH1	79	15	Pass
NVNT	ANT1	2-DH1	80	15	Pass
NVNT	ANT1	3-DH1	79	15	Pass

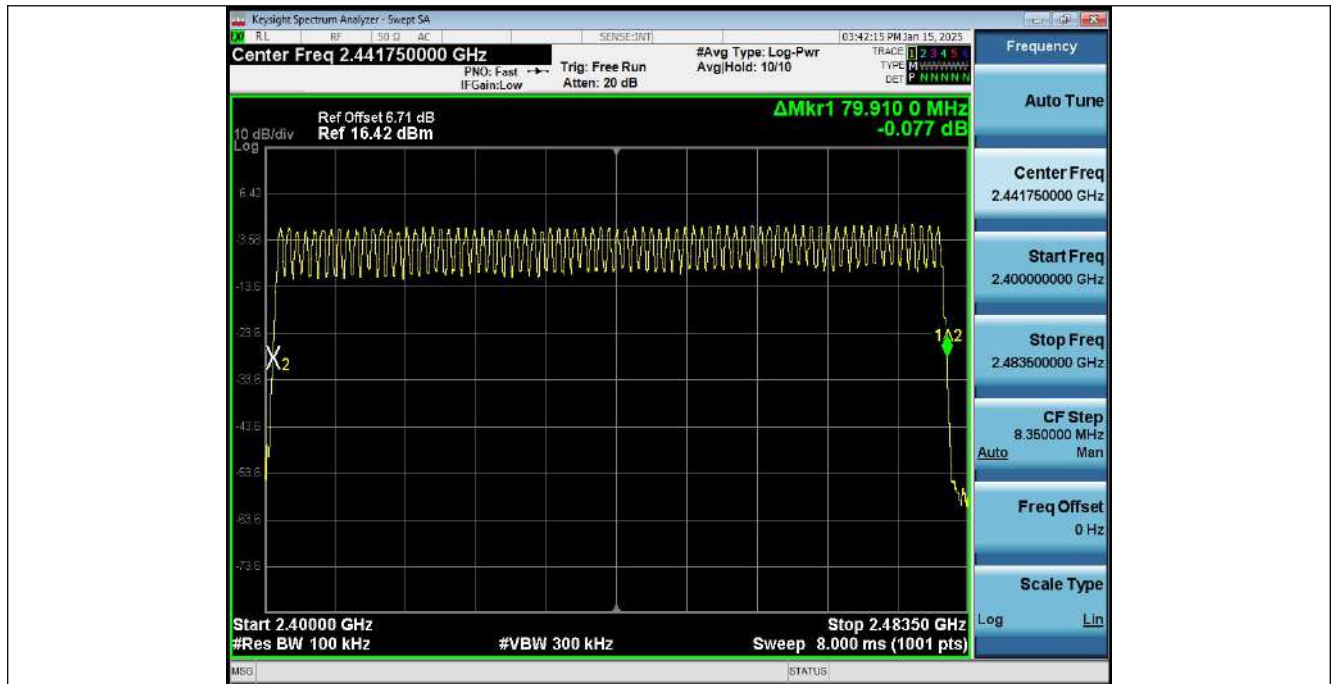
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH1_Hopping



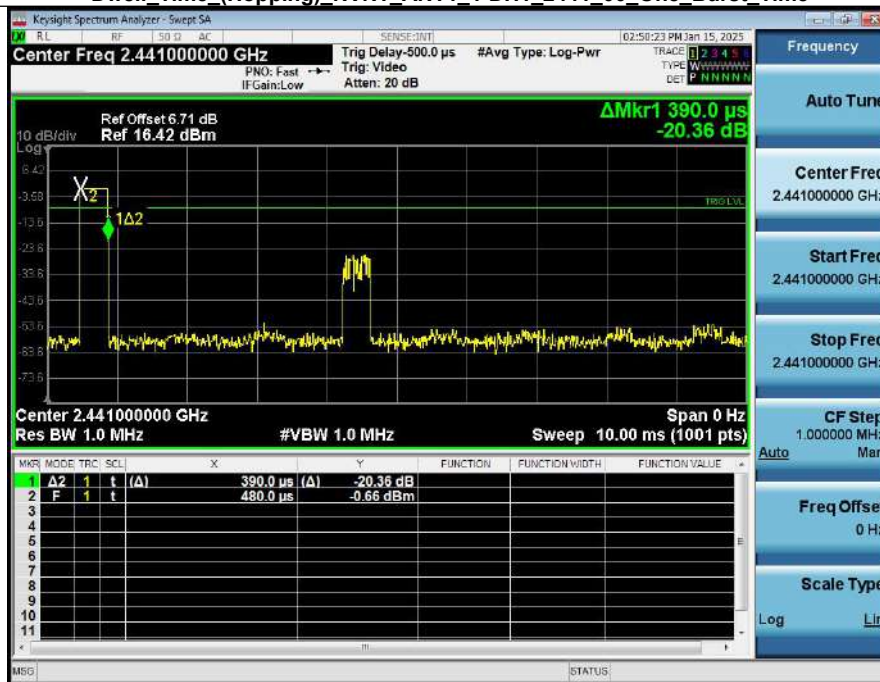
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping



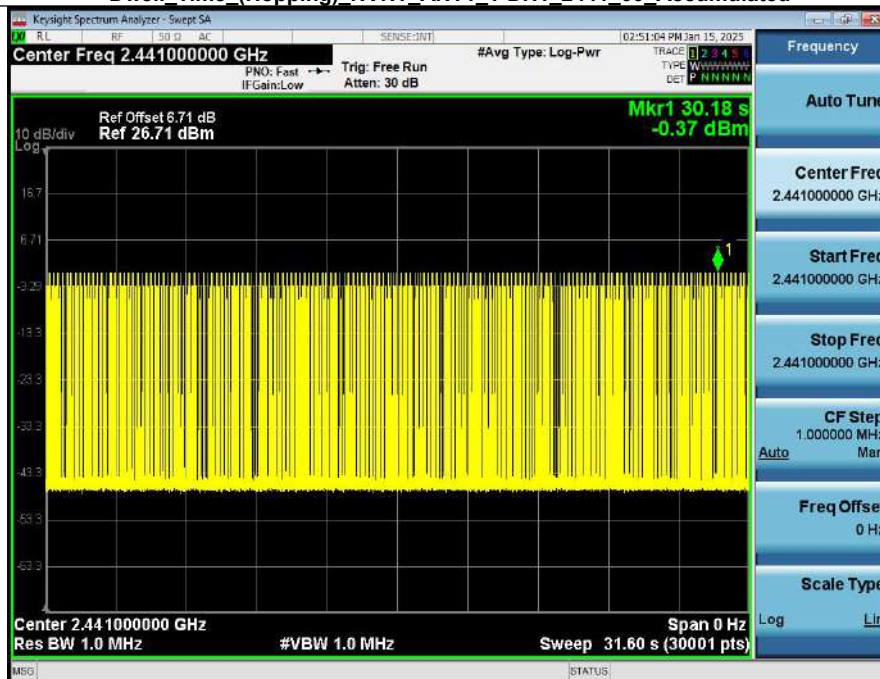
9. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.390	636.00	248.040	0.40	Pass
NVNT	ANT1	2-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	3-DH1	0.400	319.00	127.600	0.40	Pass
NVNT	ANT1	1-DH5	1.650	153.00	252.450	0.40	Pass
NVNT	ANT1	2-DH3	1.650	157.00	259.050	0.40	Pass
NVNT	ANT1	2-DH5	2.900	108.00	313.200	0.40	Pass
NVNT	ANT1	3-DH3	1.650	162.00	267.300	0.40	Pass
NVNT	ANT1	3-DH5	2.910	104.00	302.640	0.40	Pass

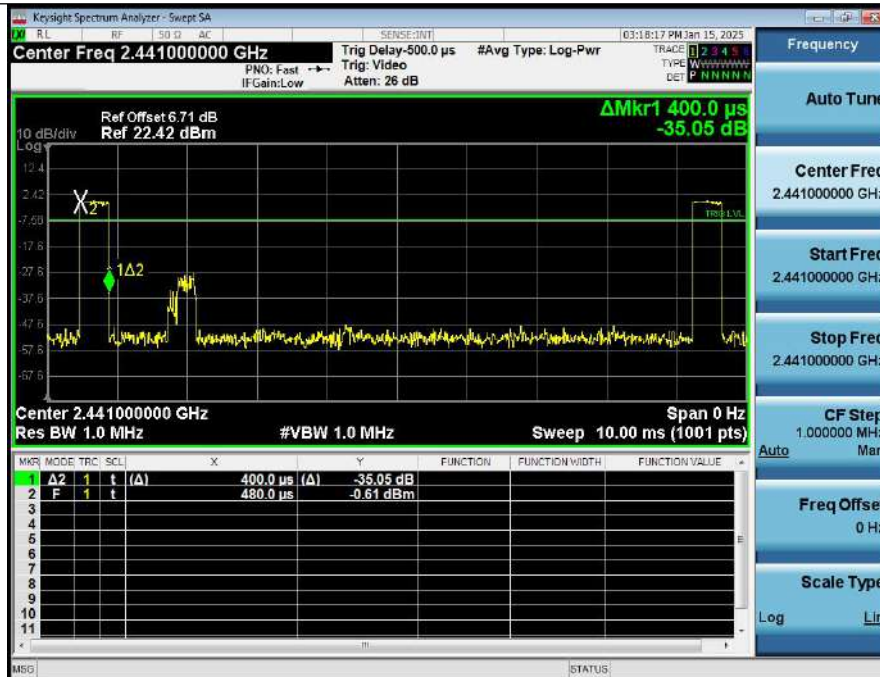
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 One Burst Time



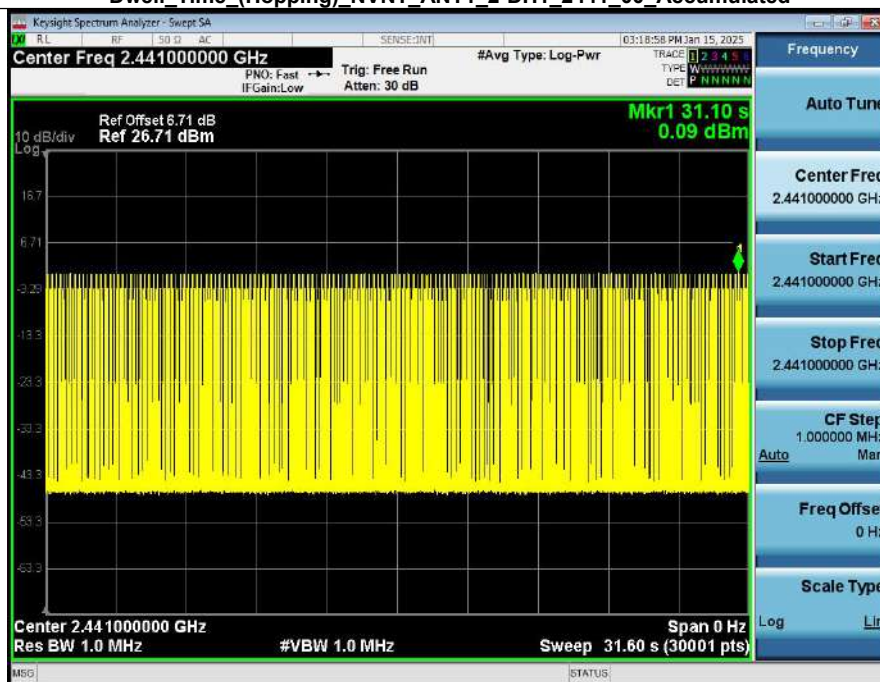
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 Accumulated



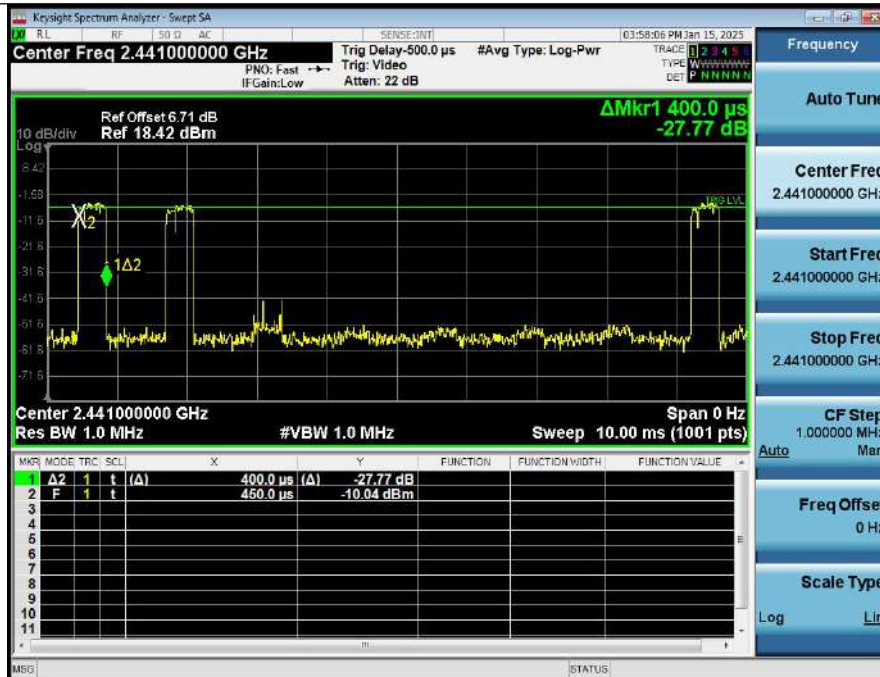
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 00 One Burst Time



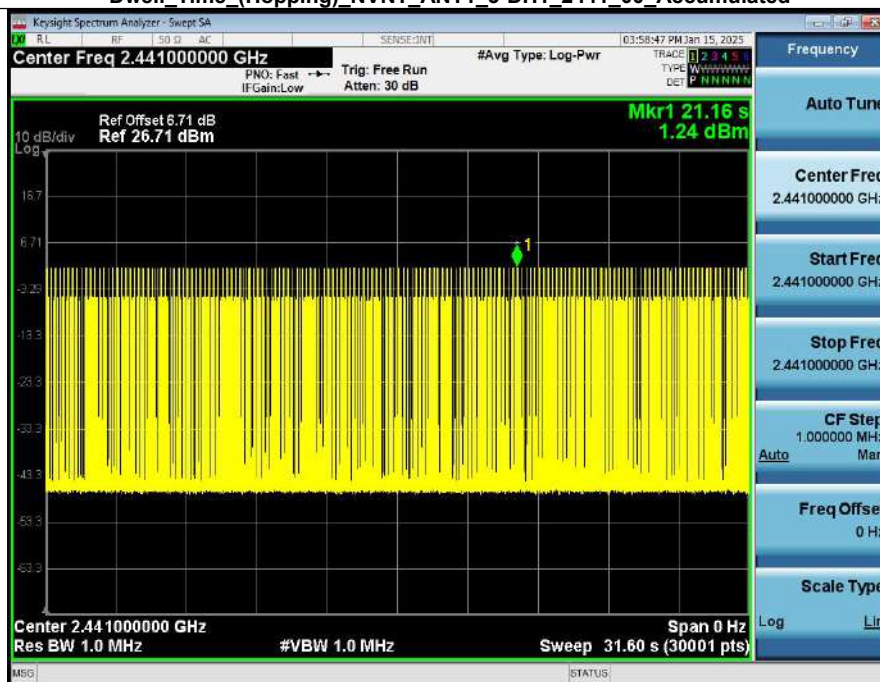
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_Accumulated



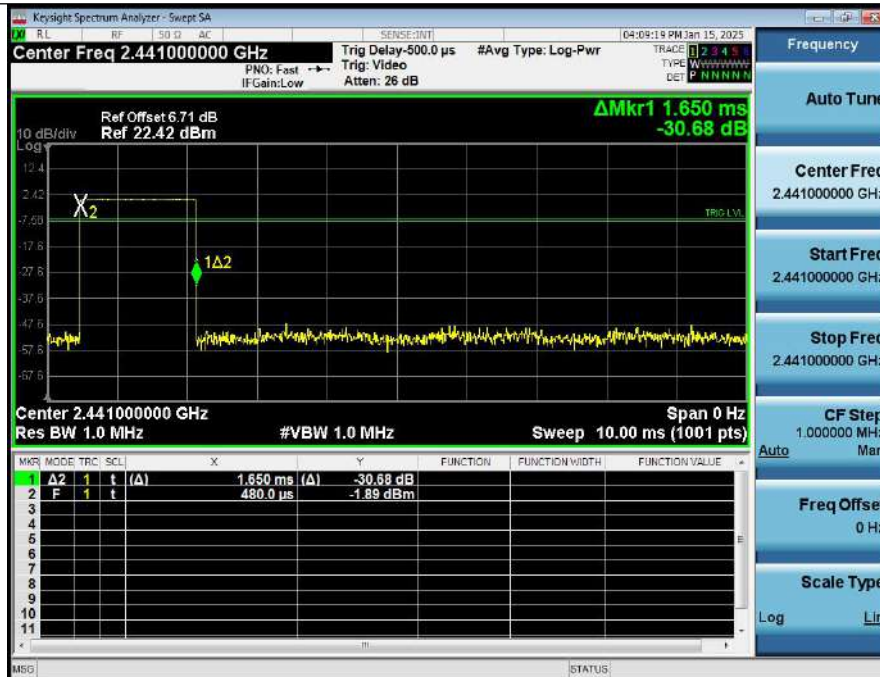
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_One_Burst Time



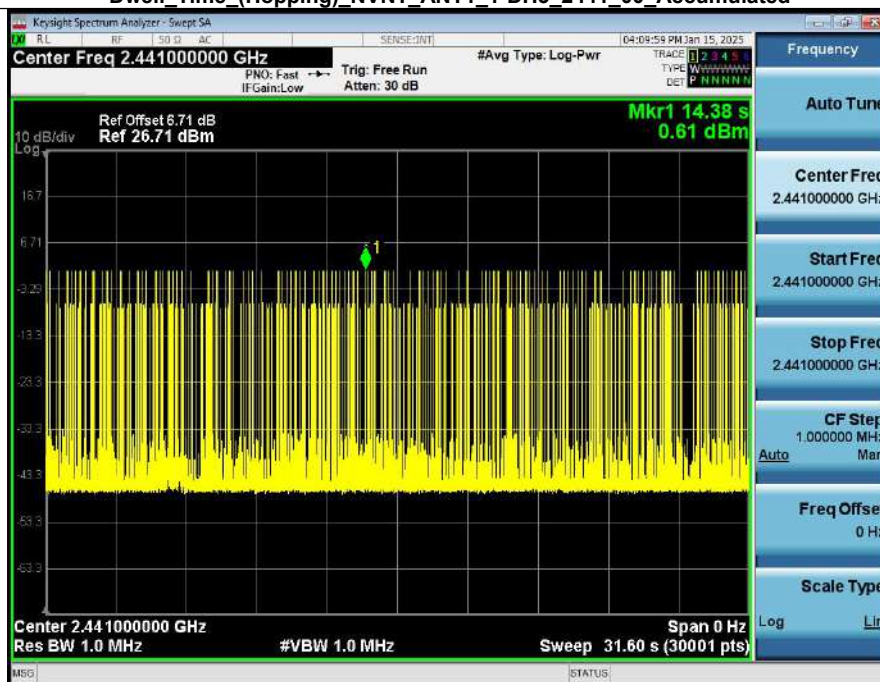
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_Accumulated



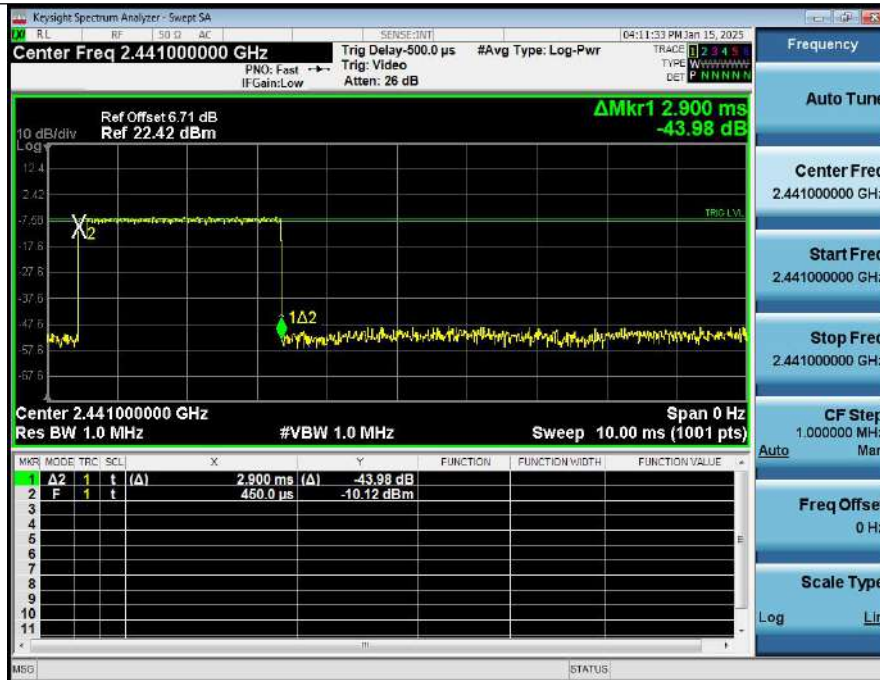
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_One Burst Time



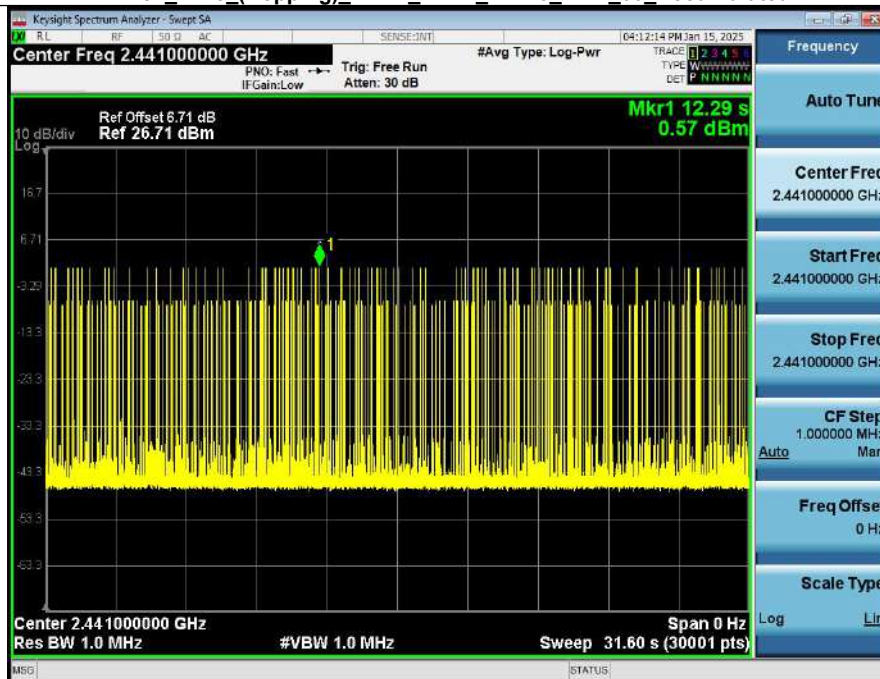
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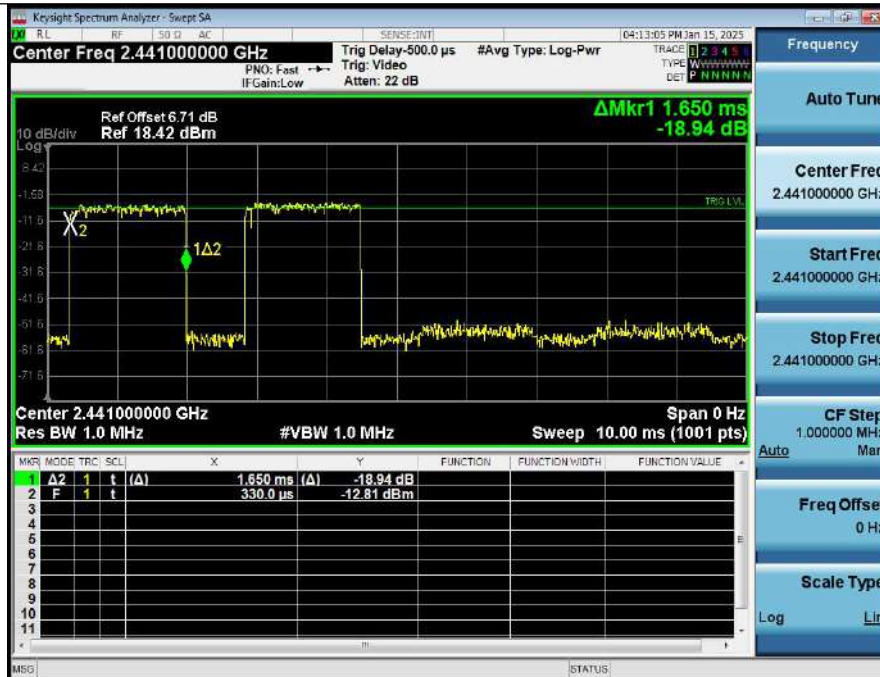
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_One Burst Time



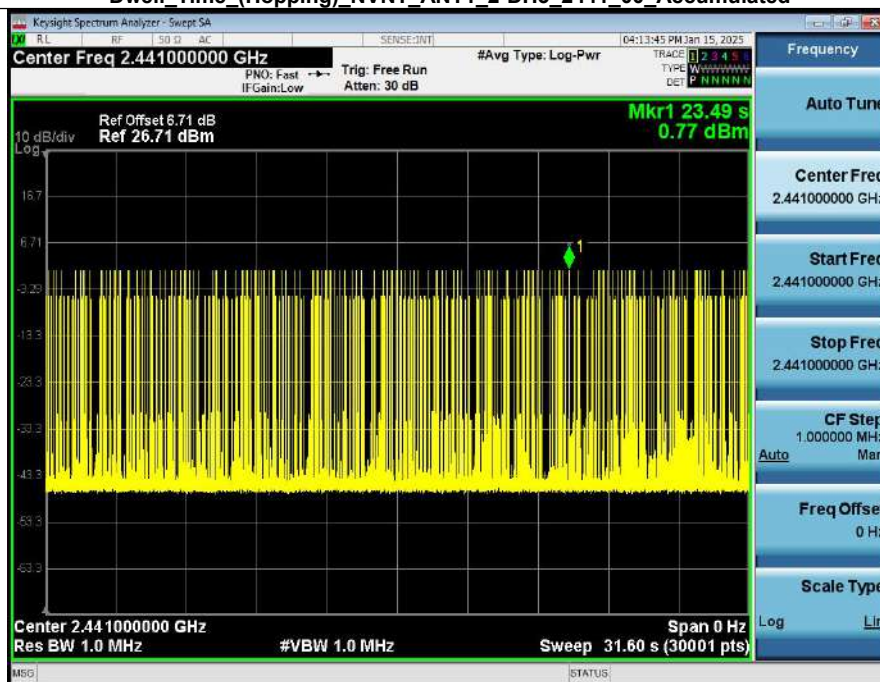
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_One Burst Time



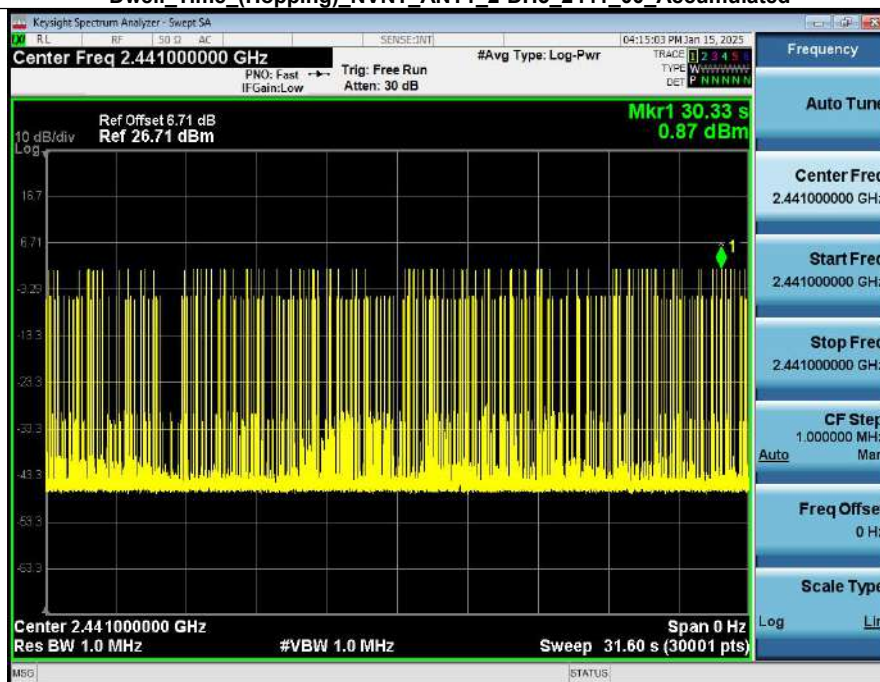
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_Accumulated



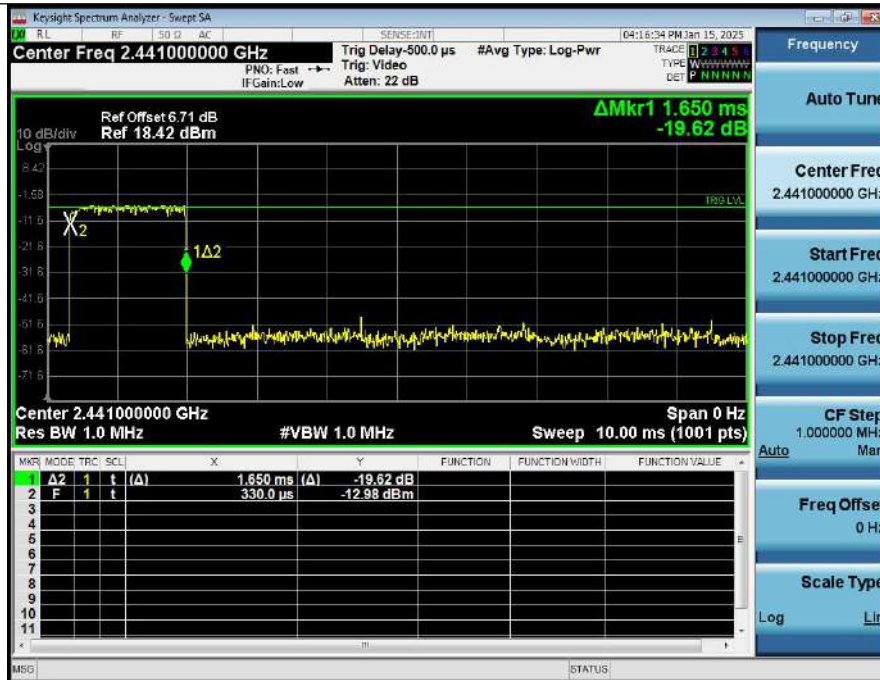
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_One Burst Time



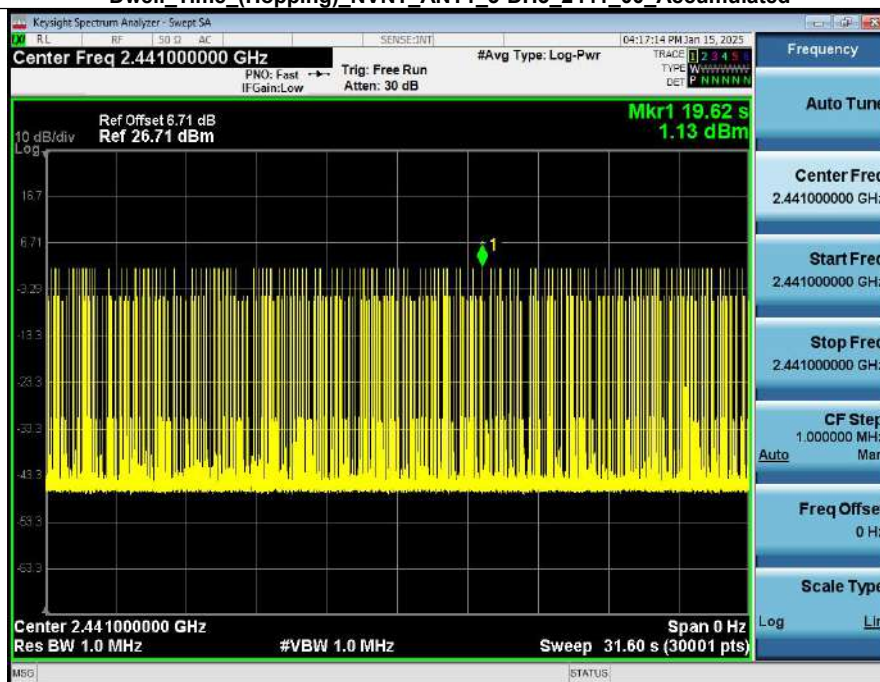
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_Accumulated



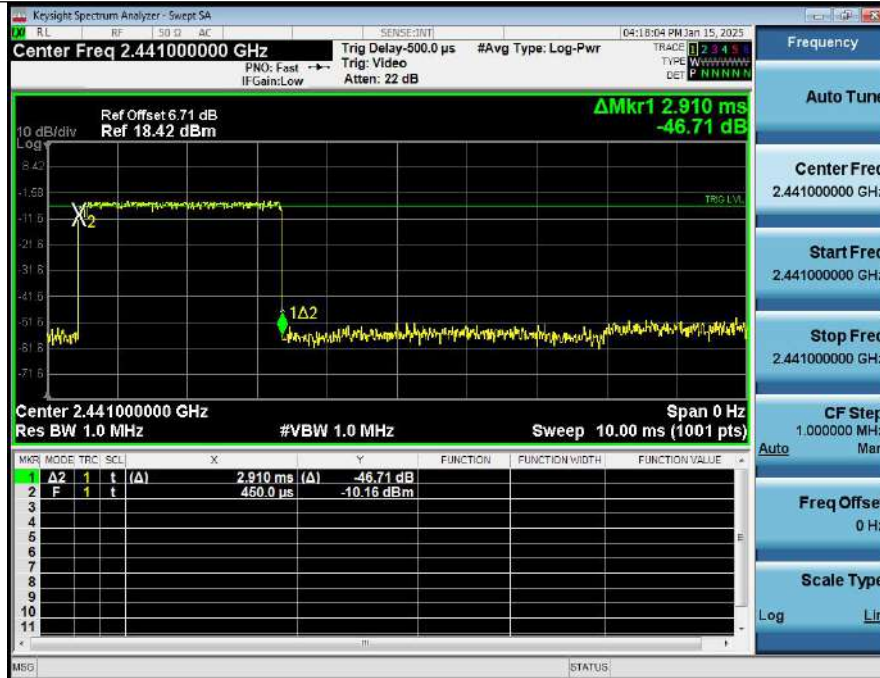
Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_One_Burst Time



Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_One Burst Time



Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_Accumulated

