

FCC TEST DATA

FCC ID: 2A5N2-A39

Product: Bluetooth headset

Model Name : A39

Right Earphone

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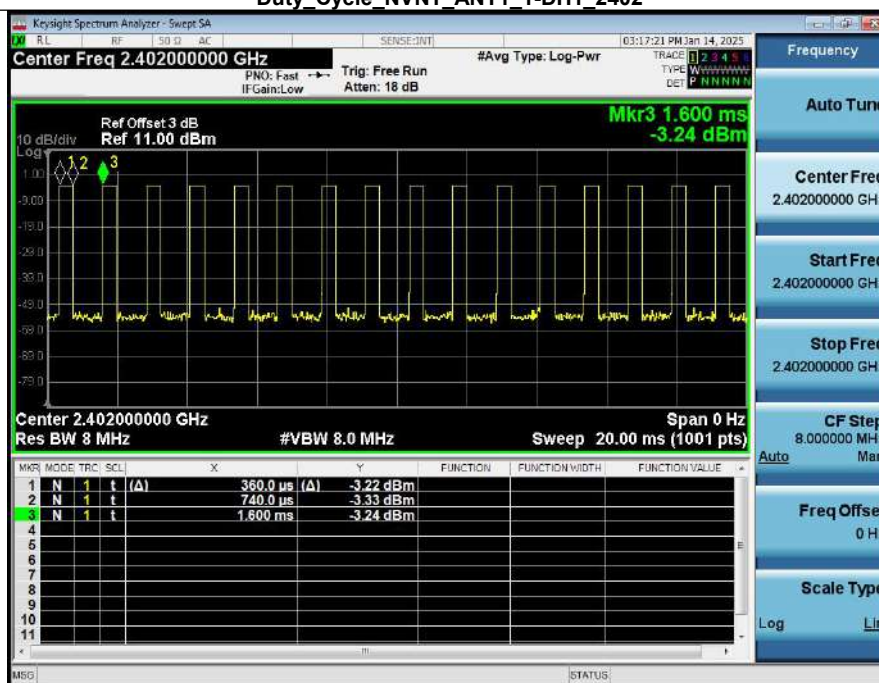
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240114 FCC ID EDR FCC_BT (Part15.247) Test Data

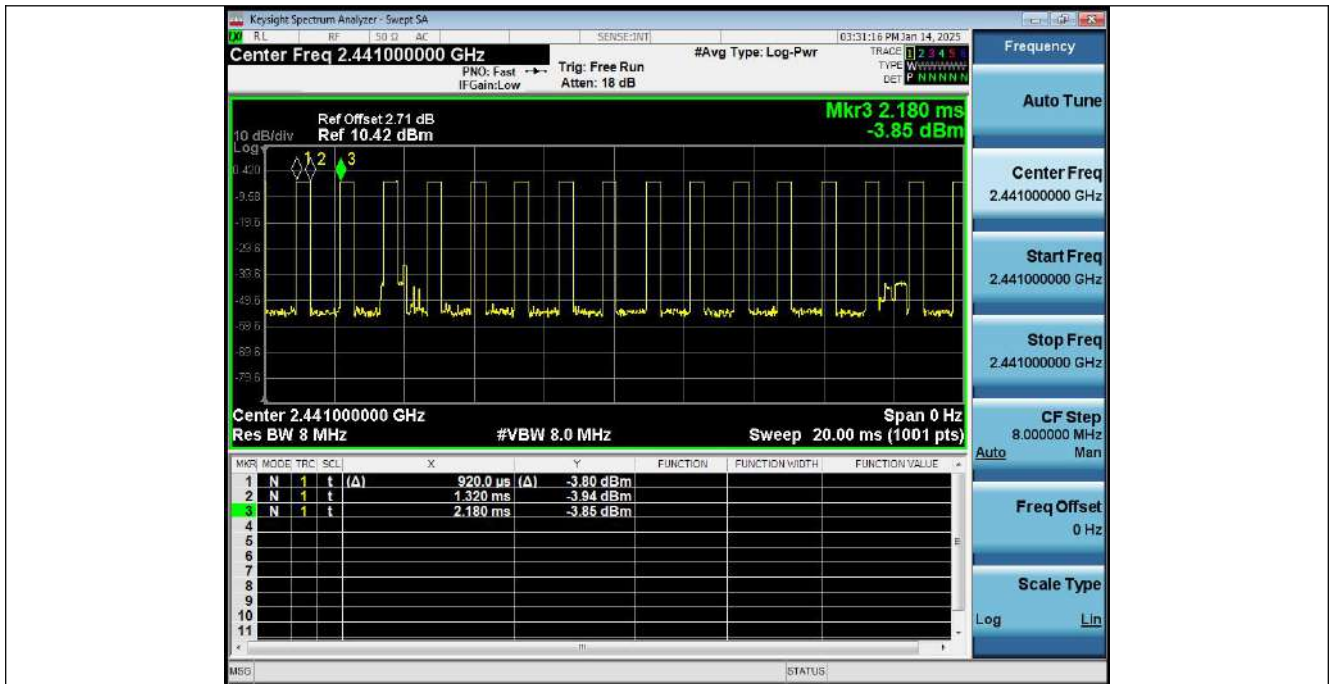
1. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	30.65	5.14
NVNT	ANT1	1-DH1	2441.00	33.33	4.77
NVNT	ANT1	1-DH1	2480.00	30.16	5.21
NVNT	ANT1	2-DH1	2402.00	33.33	4.77
NVNT	ANT1	2-DH1	2441.00	33.33	4.77
NVNT	ANT1	2-DH1	2480.00	32.26	4.91
NVNT	ANT1	3-DH1	2402.00	31.75	4.98
NVNT	ANT1	3-DH1	2441.00	33.87	4.70
NVNT	ANT1	3-DH1	2480.00	30.65	5.14

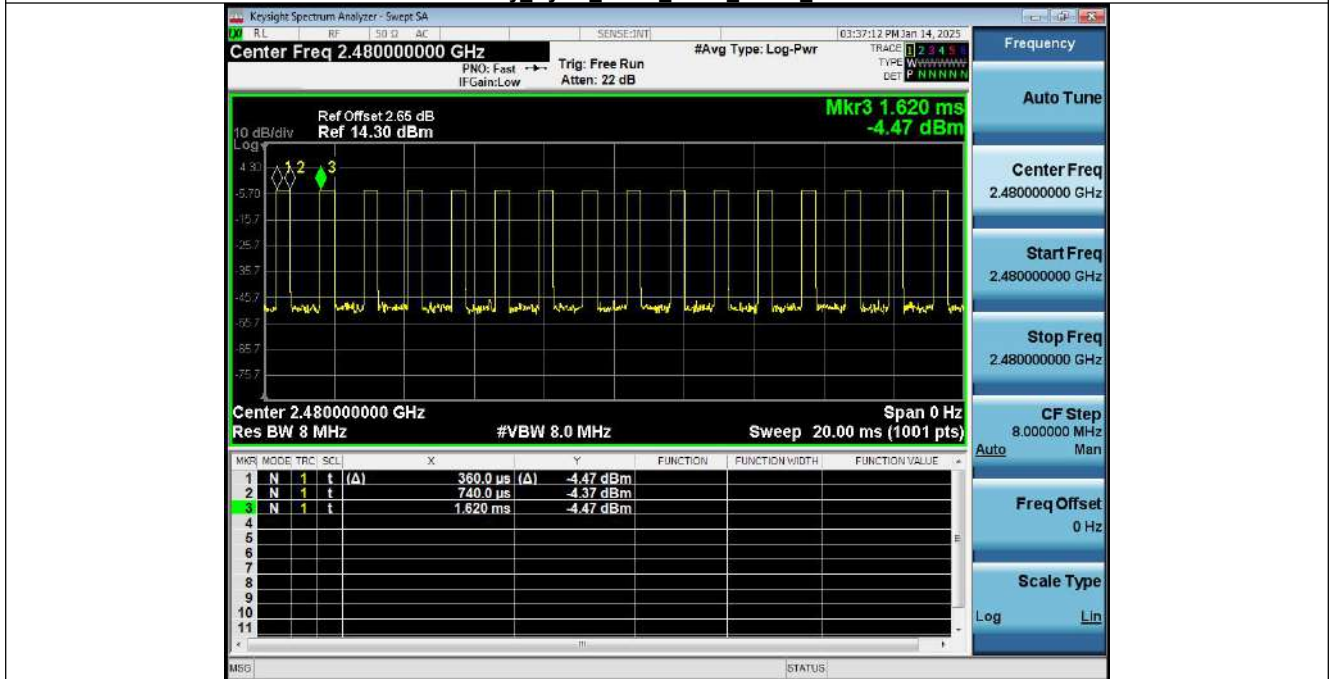
Duty_Cycle_NVNT_ANT1_1-DH1_2402



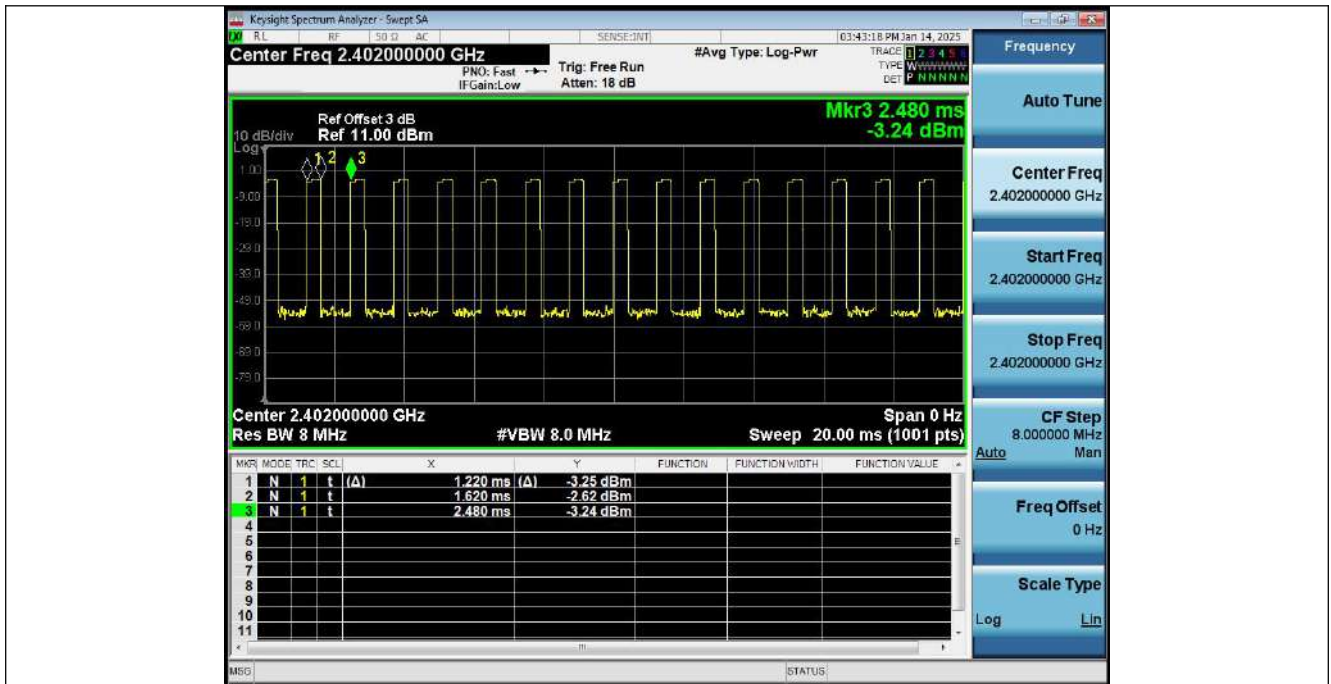
Duty_Cycle_NVNT_ANT1_1-DH1_2441



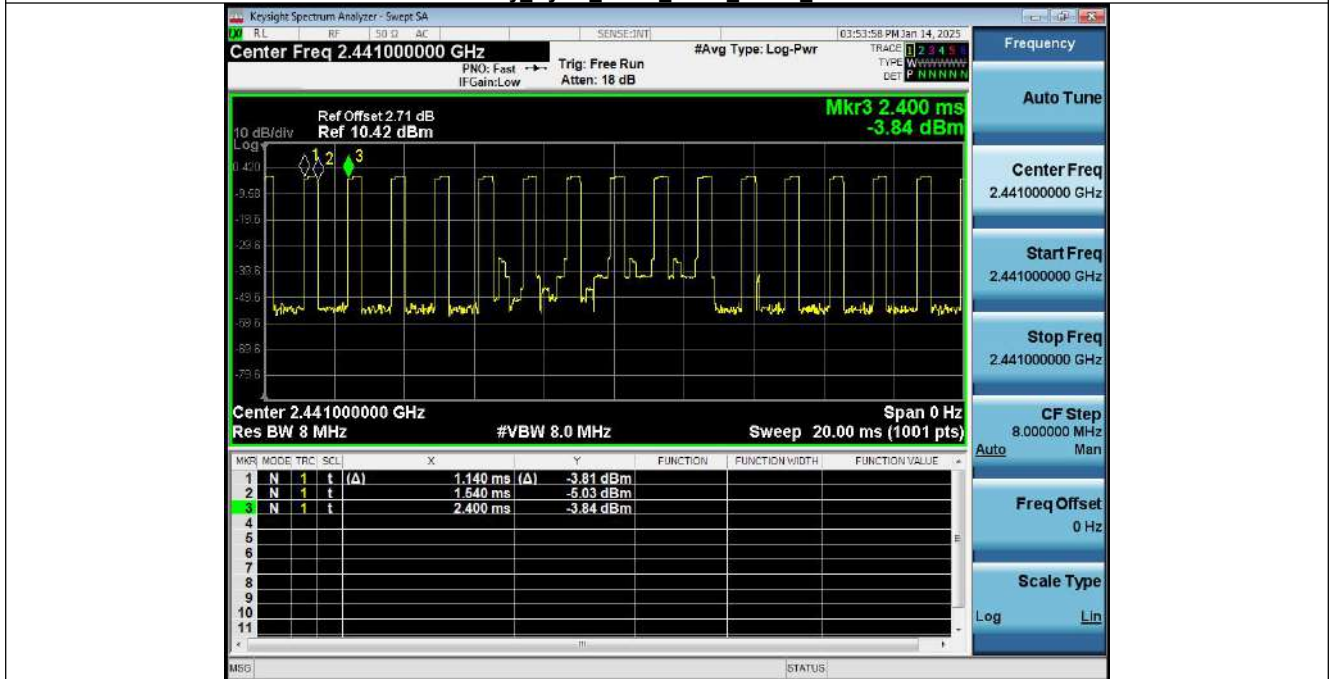
Duty Cycle_NVNT_ANT1 1-DH1_2480



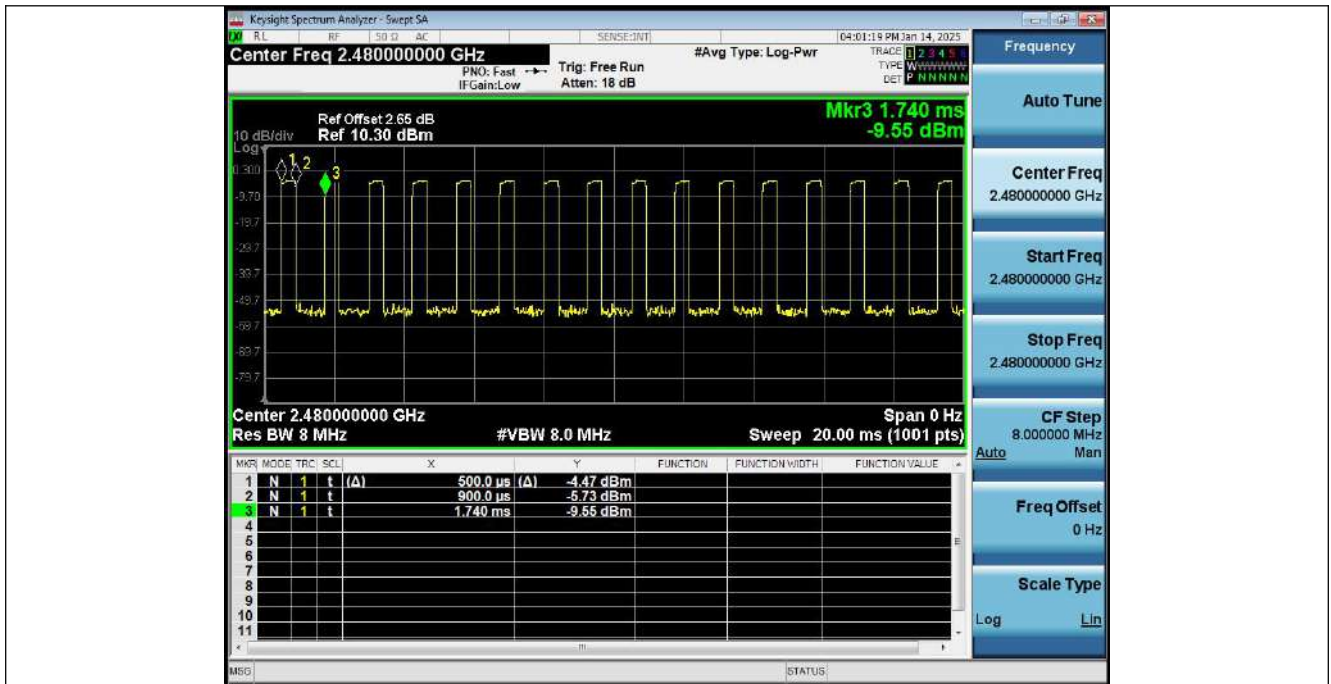
Duty Cycle_NVNT_ANT1 2-DH1_2402



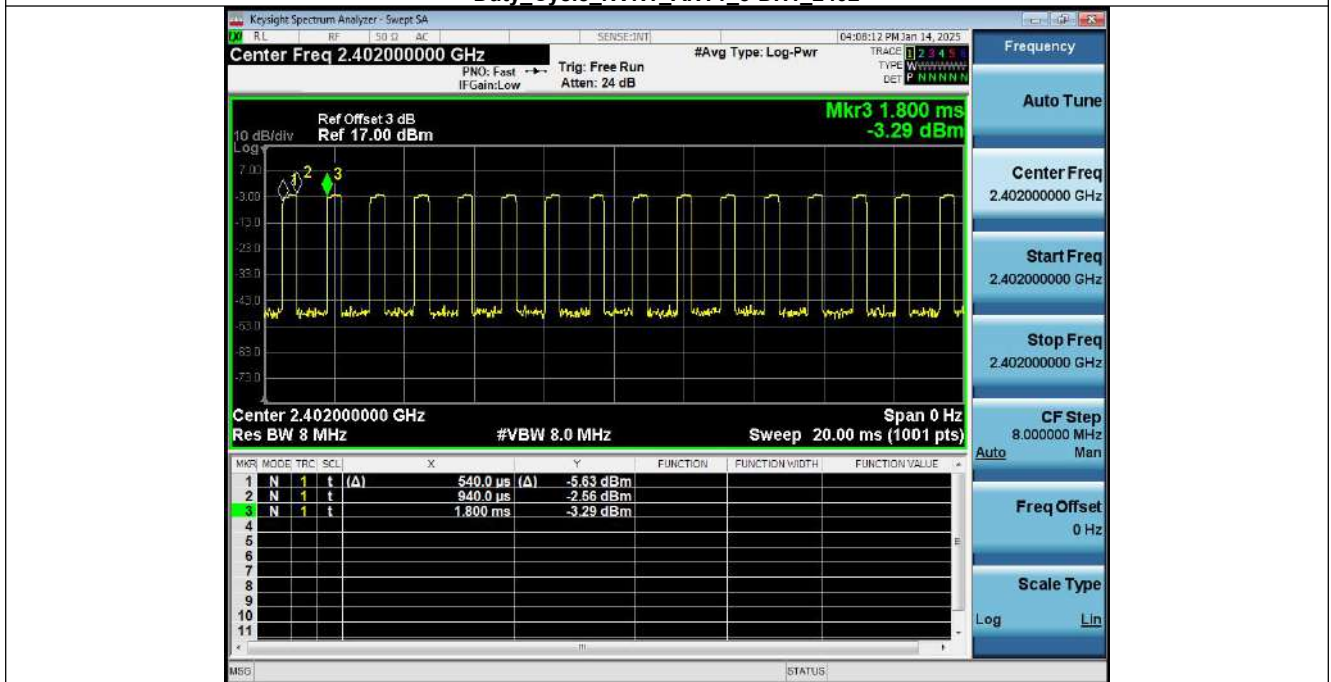
Duty Cycle_NVNT_ANT1_2-DH1_2441



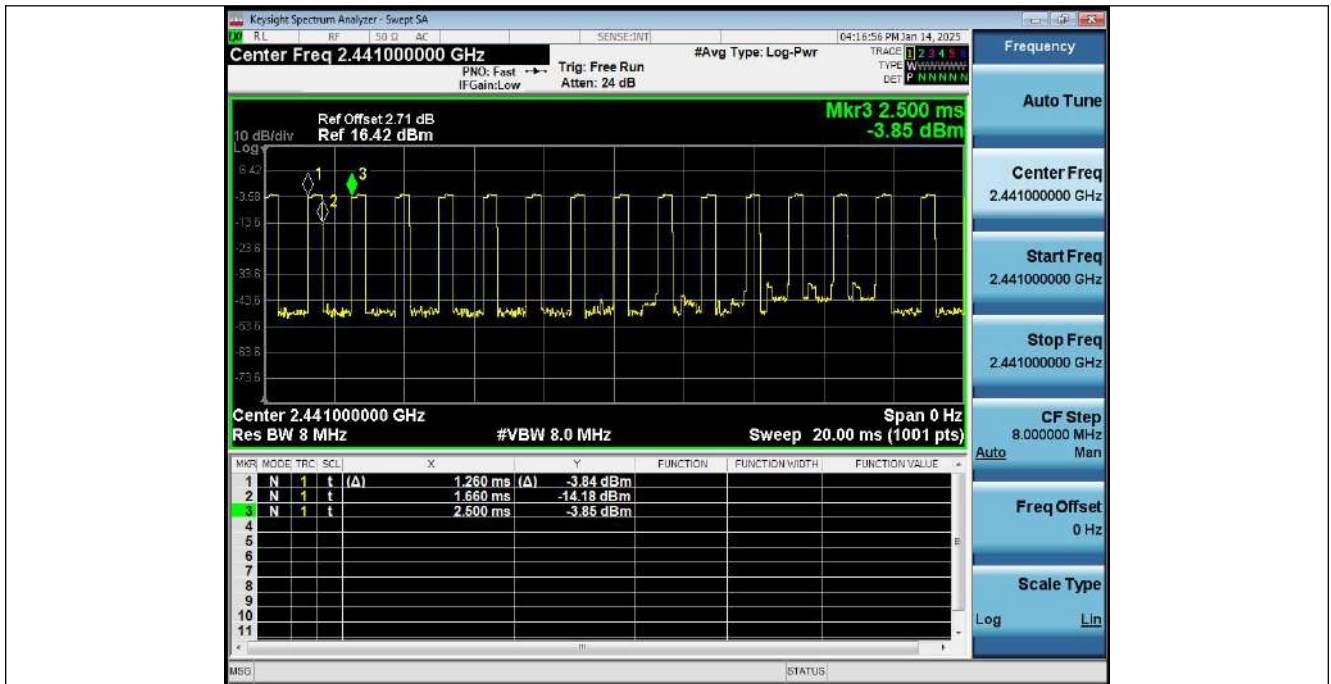
Duty Cycle_NVNT_ANT1_2-DH1_2480



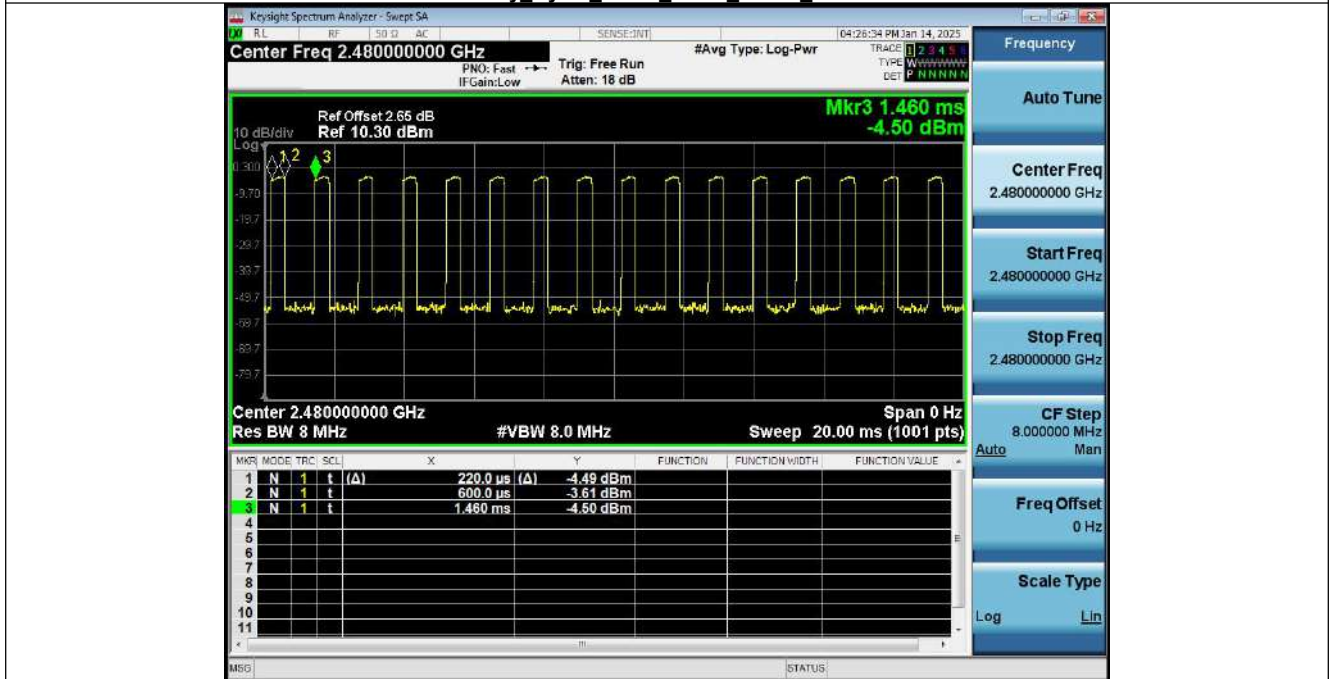
Duty Cycle_NVNT_ANT1_3-DH1_2402



Duty Cycle_NVNT_ANT1_3-DH1_2441



Duty Cycle_NVNT_ANT1 3-DH1 2480



2. -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.879	No
NVNT	ANT1	1-DH1	2441.00	0.975	No
NVNT	ANT1	1-DH1	2480.00	0.926	No
NVNT	ANT1	2-DH1	2402.00	1.269	Yes
NVNT	ANT1	2-DH1	2441.00	1.265	Yes
NVNT	ANT1	2-DH1	2480.00	1.273	Yes
NVNT	ANT1	3-DH1	2402.00	1.226	Yes
NVNT	ANT1	3-DH1	2441.00	1.228	Yes
NVNT	ANT1	3-DH1	2480.00	1.252	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



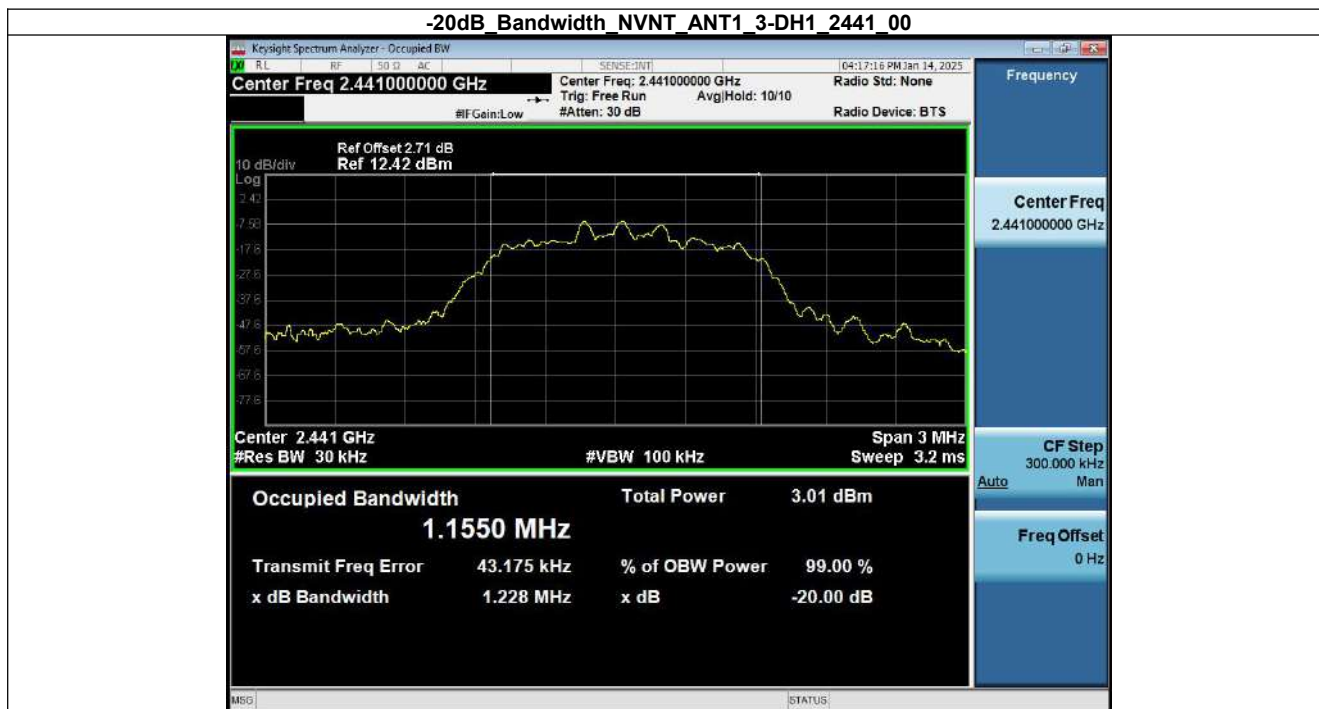
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-20dB_Bandwidth_NVNT_ANT1_3-DH1_2402_00



-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	0.838
NVNT	ANT1	1-DH1	2441.00	0.847
NVNT	ANT1	1-DH1	2480.00	0.852
NVNT	ANT1	2-DH1	2402.00	1.172
NVNT	ANT1	2-DH1	2441.00	1.174
NVNT	ANT1	2-DH1	2480.00	1.176
NVNT	ANT1	3-DH1	2402.00	1.149
NVNT	ANT1	3-DH1	2441.00	1.156
NVNT	ANT1	3-DH1	2480.00	1.156

99% Occupied Bandwidth NVNT ANT1 1-DH1 2402 00



99% Occupied Bandwidth NVNT ANT1 1-DH1 2441 00



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



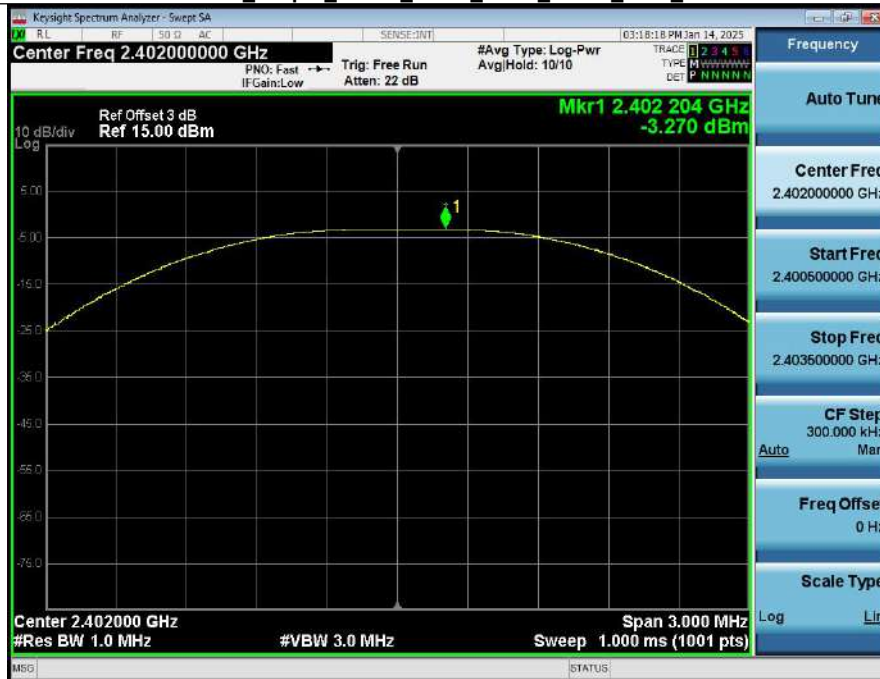
99% Occupied Bandwidth NVNT_ANT1_3-DH1_2480_00



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	-3.27	0.47	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-3.81	0.42	1000	Pass
NVNT	ANT1	1-DH1	2480.00	-4.44	0.36	1000	Pass
NVNT	ANT1	2-DH1	2402.00	-3.53	0.44	125	Pass
NVNT	ANT1	2-DH1	2441.00	-3.02	0.50	125	Pass
NVNT	ANT1	2-DH1	2480.00	-3.64	0.43	125	Pass
NVNT	ANT1	3-DH1	2402.00	-3.98	0.40	125	Pass
NVNT	ANT1	3-DH1	2441.00	-3.50	0.45	125	Pass
NVNT	ANT1	3-DH1	2480.00	-3.05	0.50	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



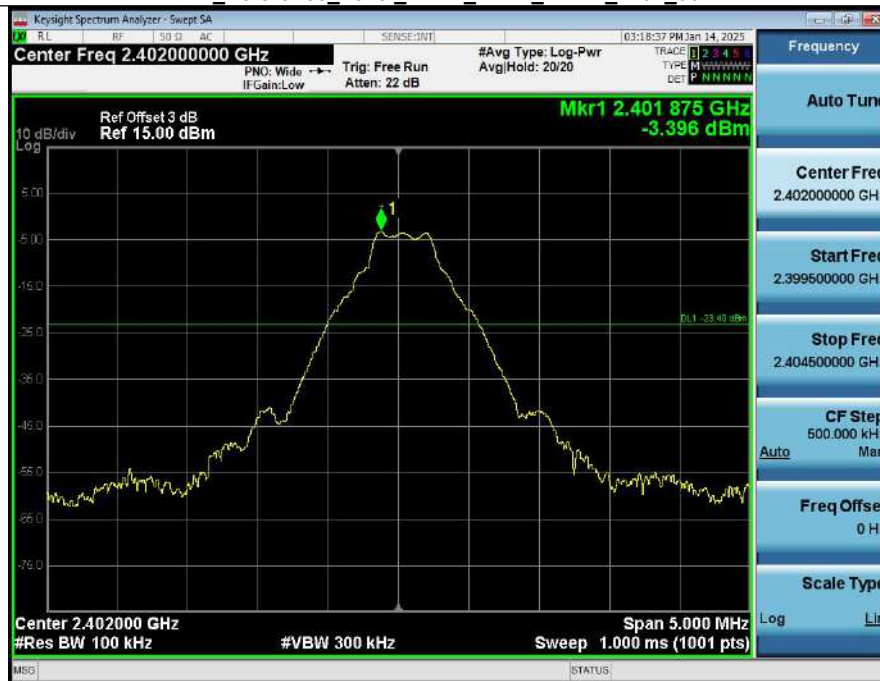
Peak Output Power NVNT_ANT1_3-DH1_2480_00



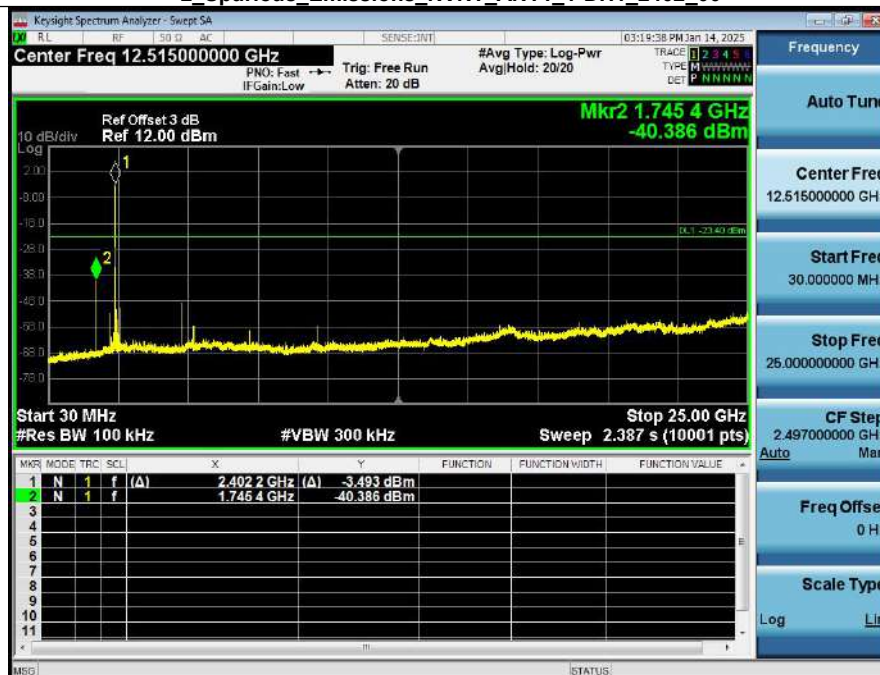
5. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-3.396	-40.386	-23.396	Pass
NVNT	ANT1	1-DH1	2441.00	-3.968	-51.813	-23.968	Pass
NVNT	ANT1	1-DH1	2480.00	-4.565	-48.996	-24.565	Pass
NVNT	ANT1	2-DH1	2402.00	-3.416	-50.346	-23.416	Pass
NVNT	ANT1	2-DH1	2441.00	-3.928	-50.760	-23.928	Pass
NVNT	ANT1	2-DH1	2480.00	-4.569	-49.729	-24.569	Pass
NVNT	ANT1	3-DH1	2402.00	-3.414	-50.890	-23.414	Pass
NVNT	ANT1	3-DH1	2441.00	-3.968	-50.818	-23.968	Pass
NVNT	ANT1	3-DH1	2480.00	-4.597	-49.880	-24.597	Pass

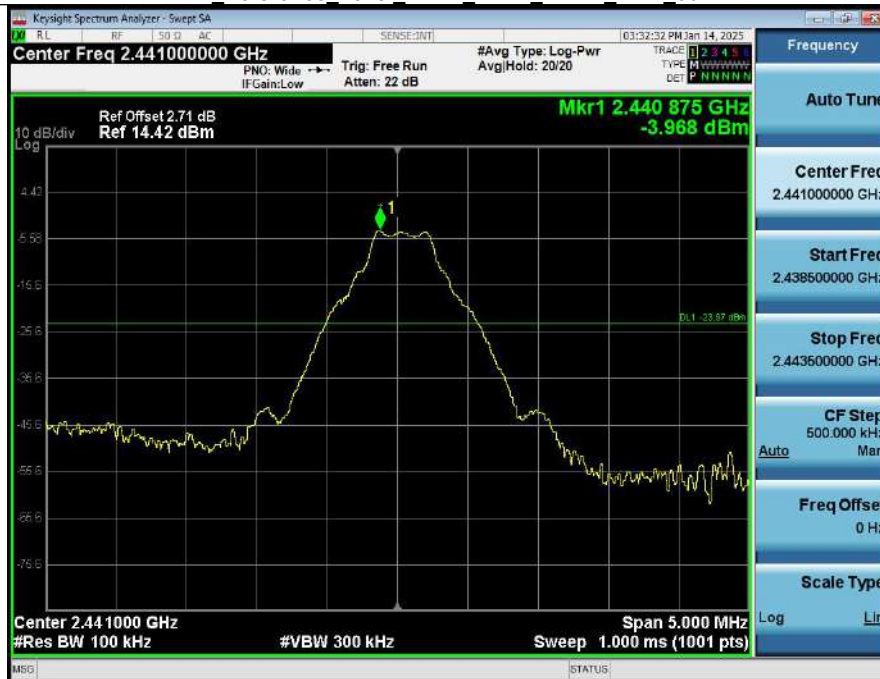
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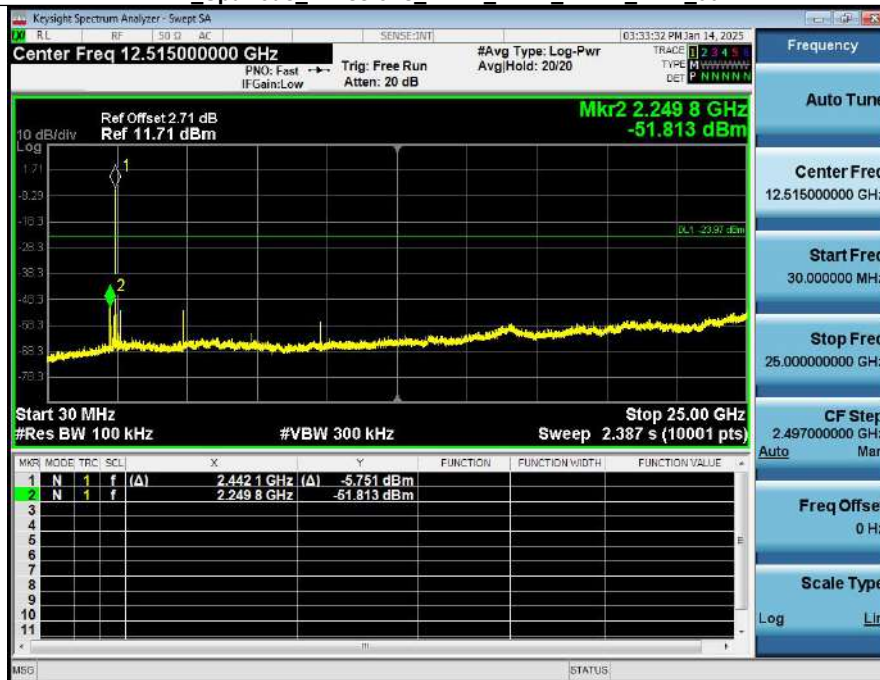
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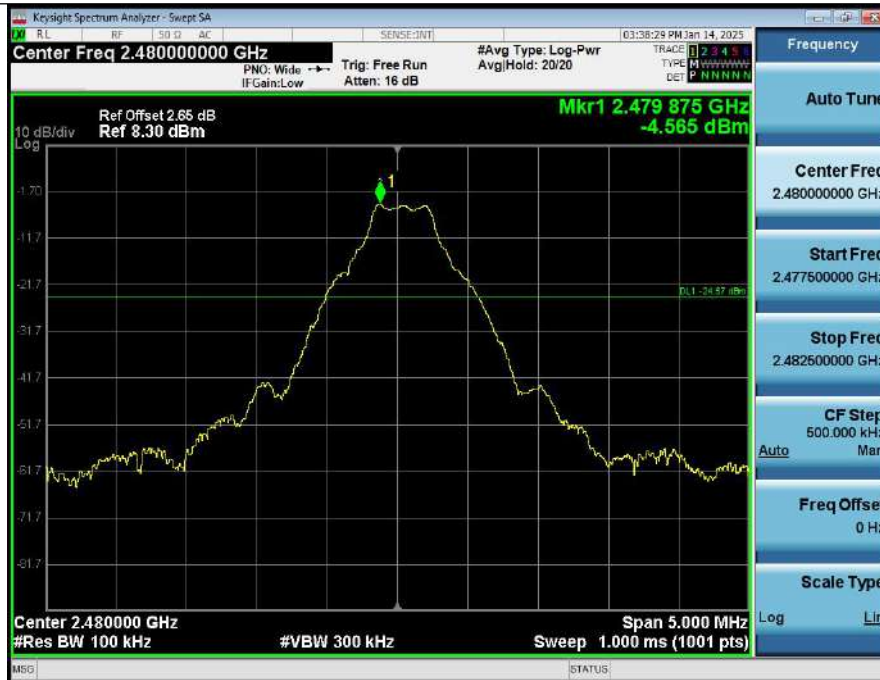
1 Reference Level NVNT ANT1 1-DH1 2441 00



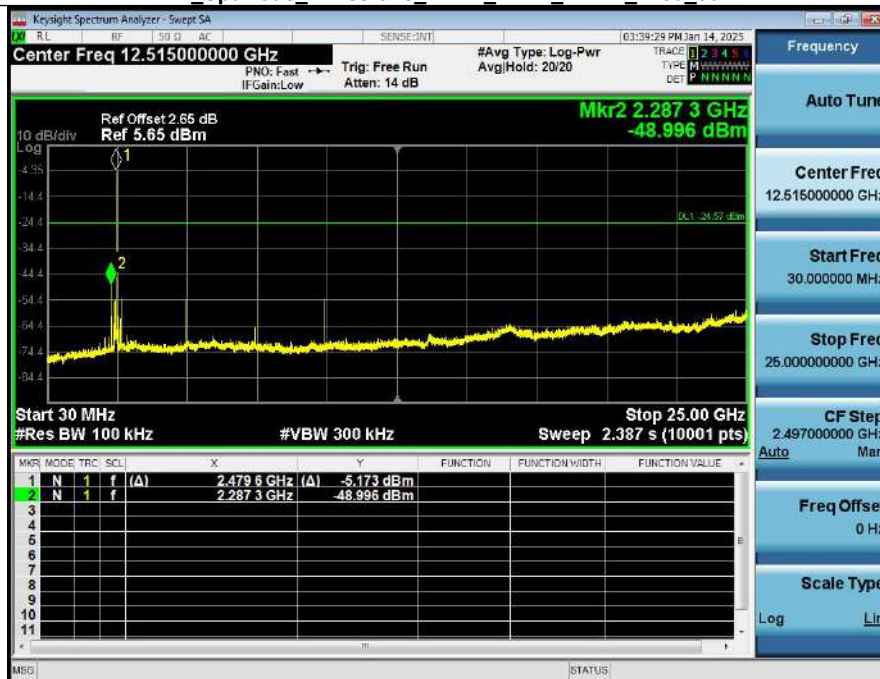
2 Spurious Emissions NVNT ANT1 1-DH1 2441 00



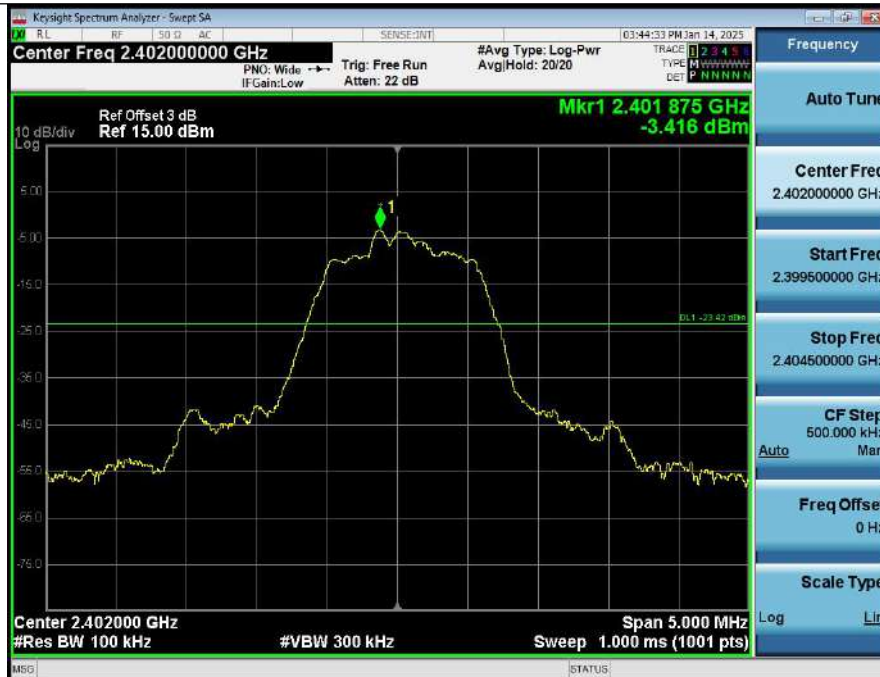
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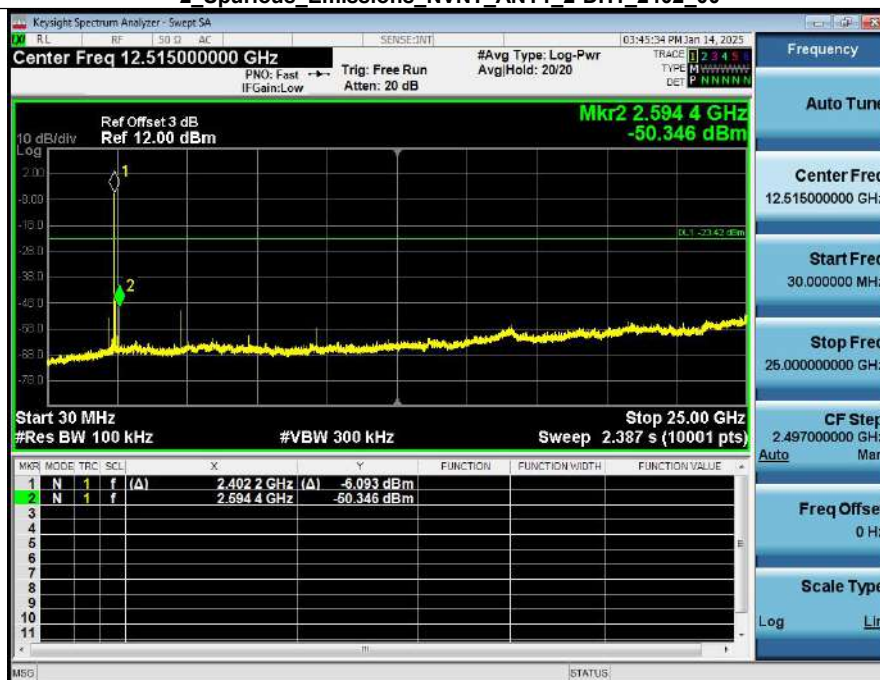
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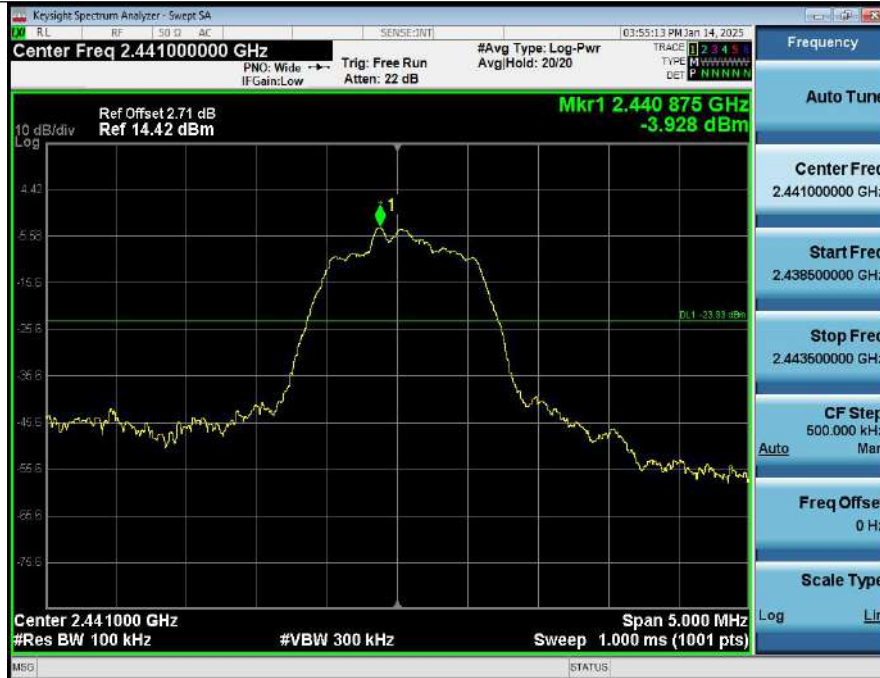
1_Reference_Level_NVNT_ANT1_2-DH1_2402_00



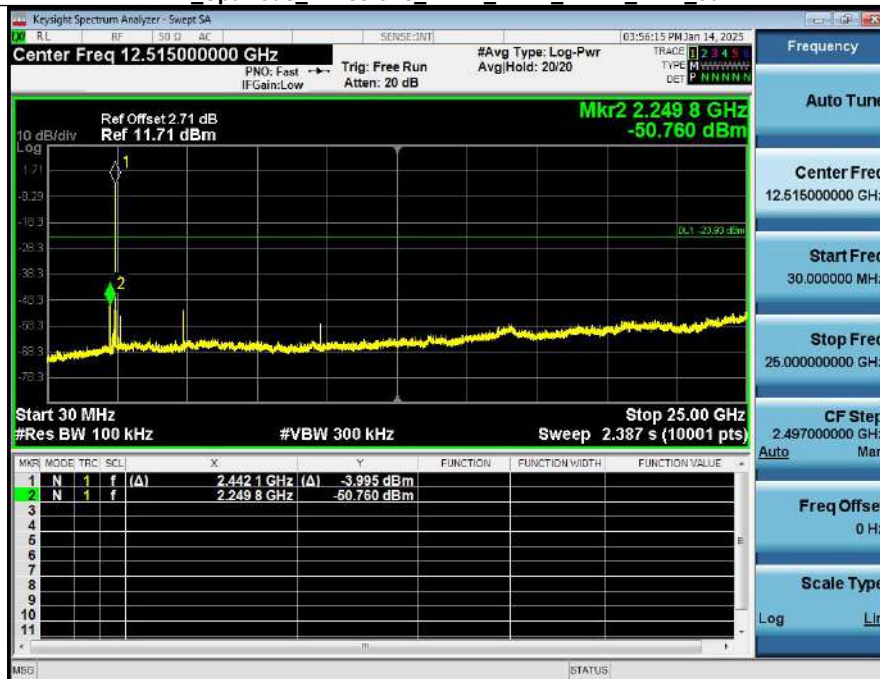
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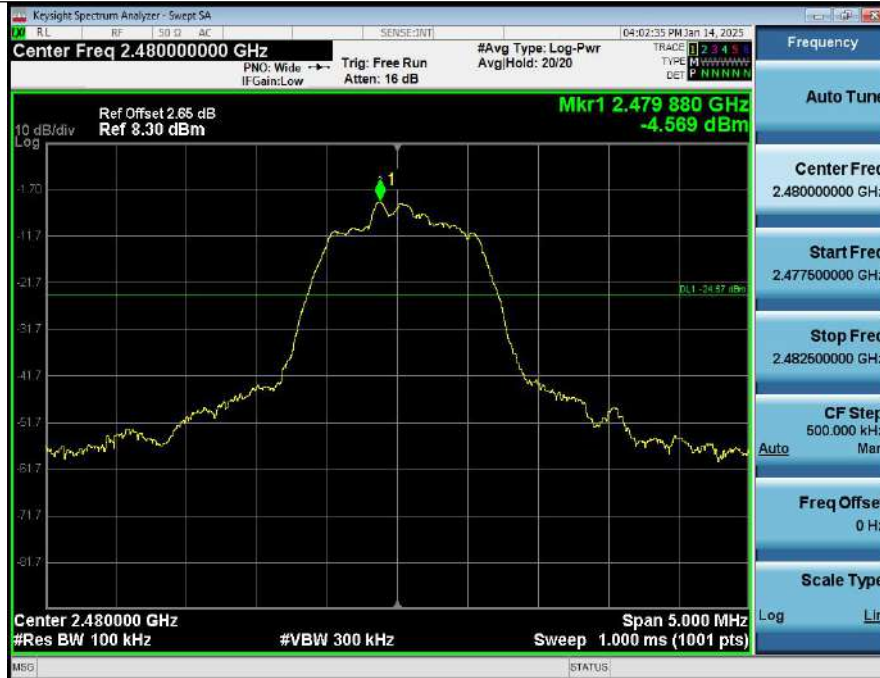
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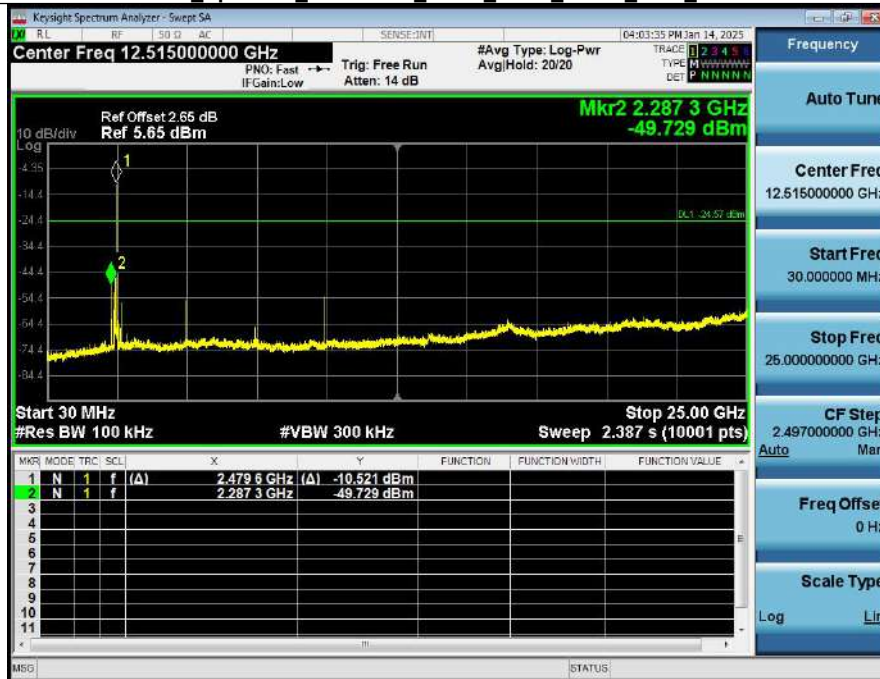
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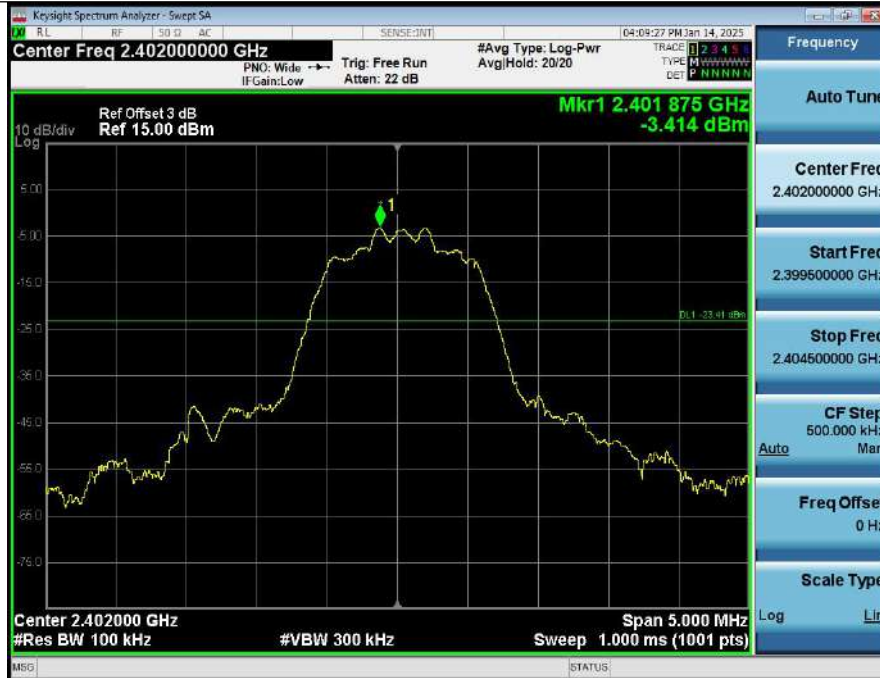
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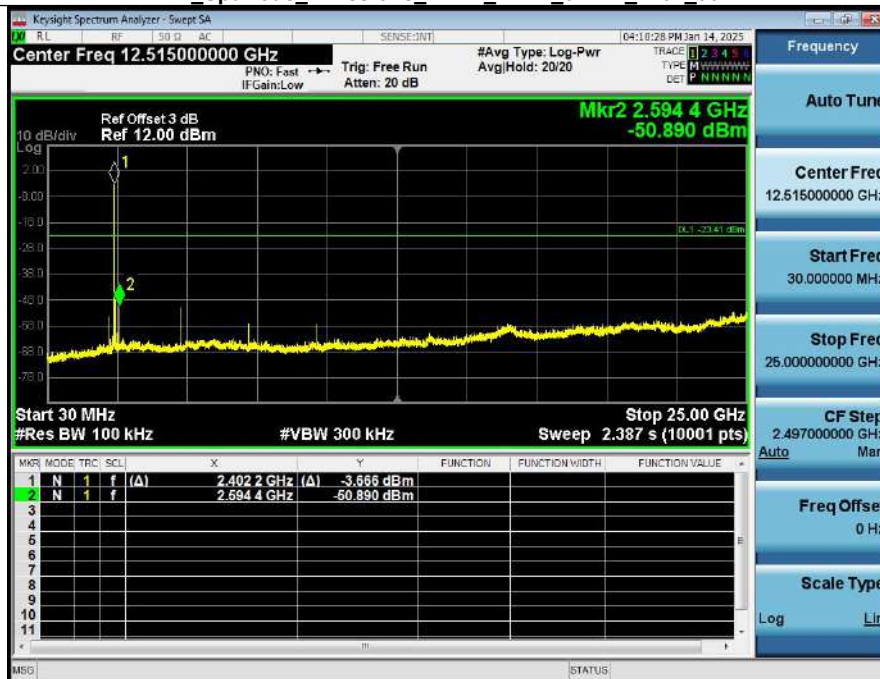
2_Spurious_Emissions_NVNT_ANT1_2-DH1_2480_00



1_Reference_Level_NVNT_ANT1_3-DH1_2402_00



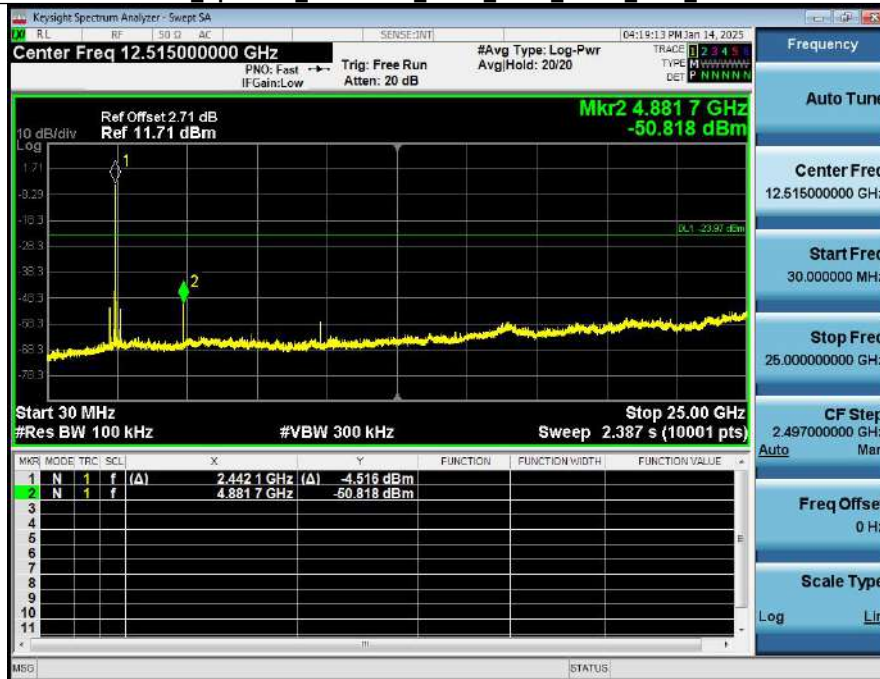
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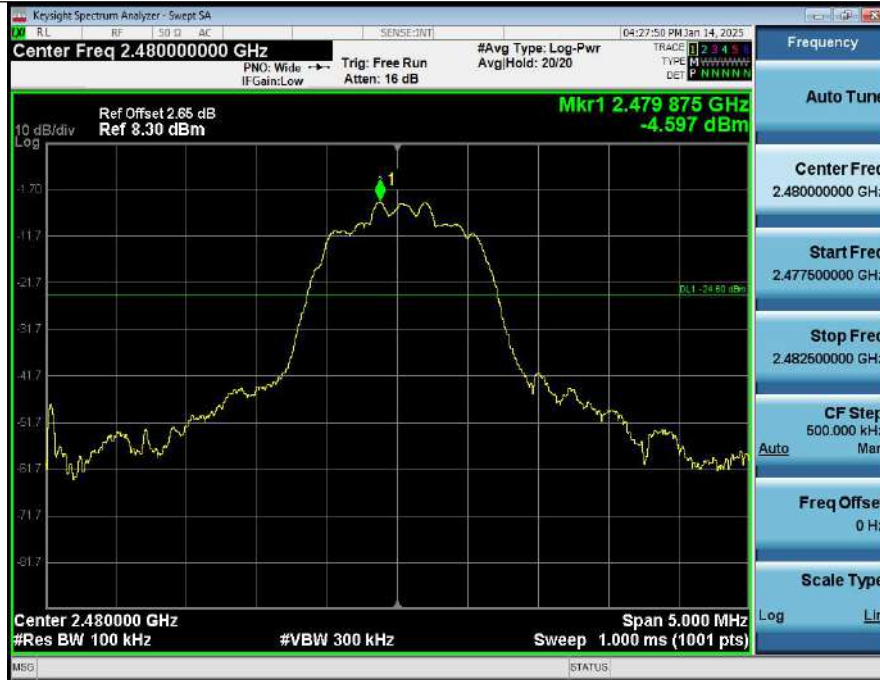
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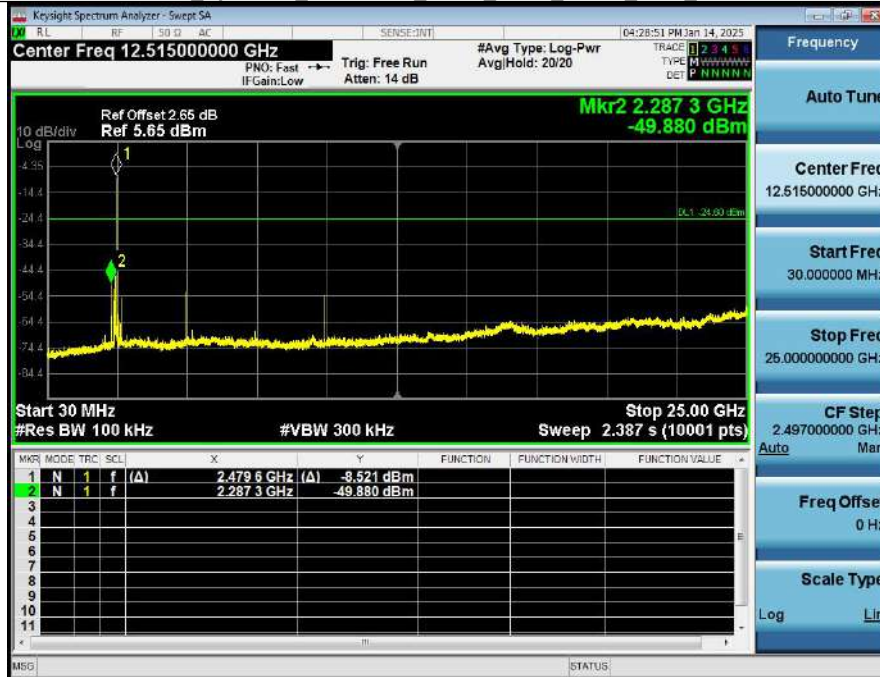
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1_Reference_Level_NVNT_ANT1_3-DH1_2480_00



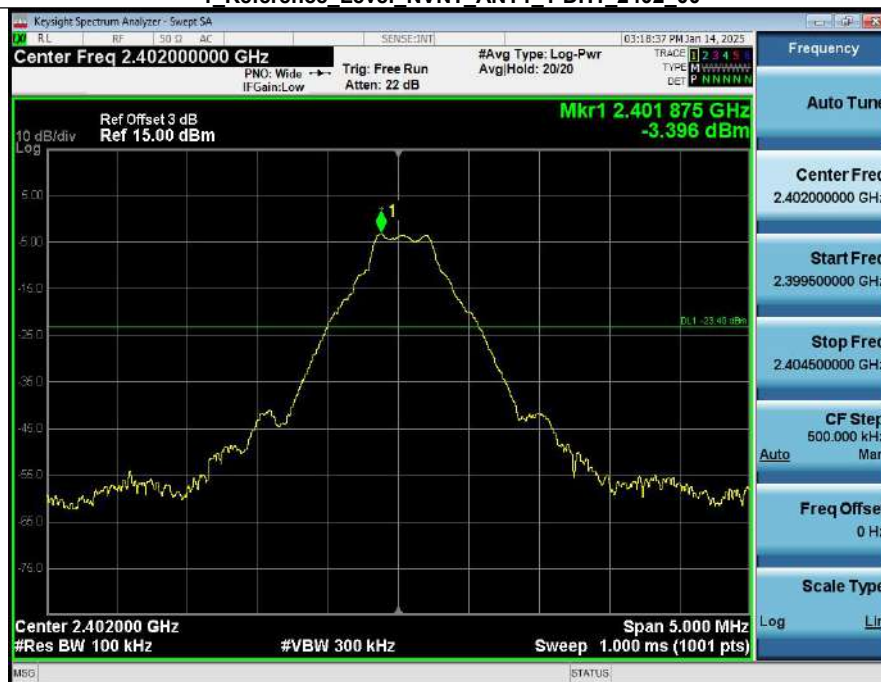
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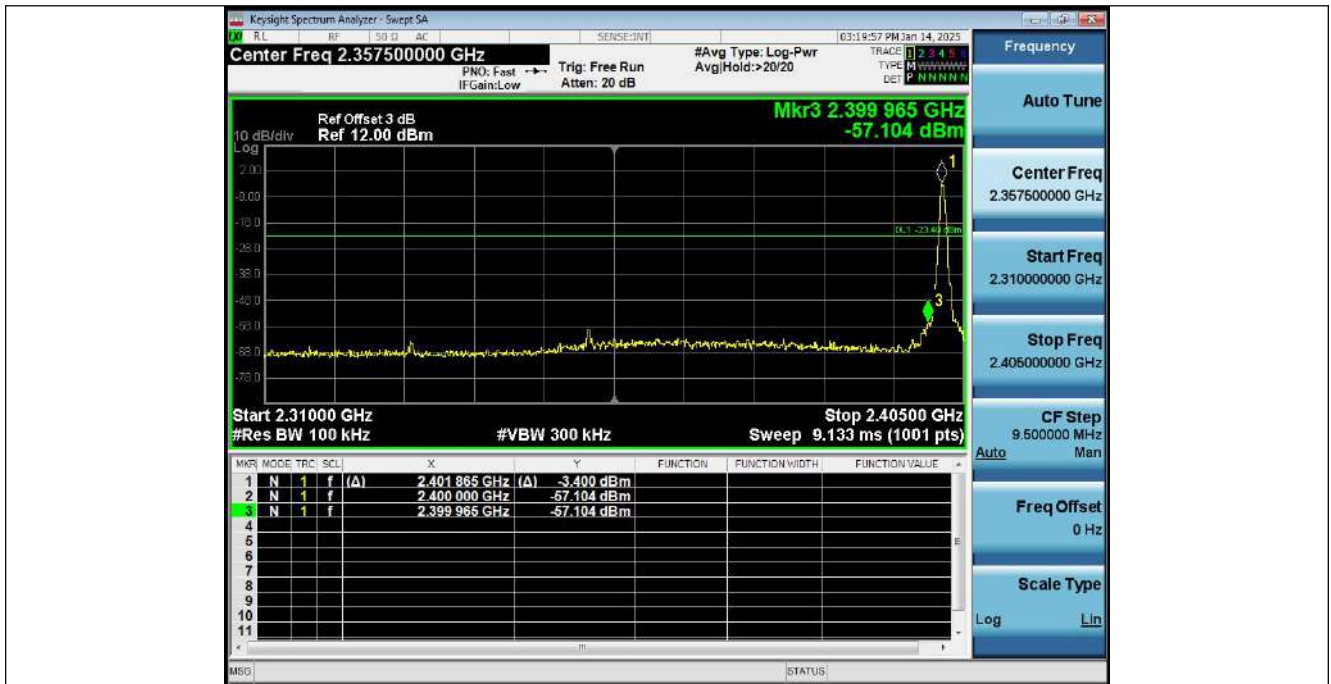
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-3.396	-57.104	-23.396	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-3.237	-59.450	-23.237	Pass
NVNT	ANT1	1-DH1	2480.00	-4.565	-65.869	-24.565	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-3.593	-58.035	-23.593	Pass
NVNT	ANT1	2-DH1	2402.00	-3.416	-53.446	-23.416	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-3.223	-52.089	-23.223	Pass
NVNT	ANT1	2-DH1	2480.00	-4.569	-64.428	-24.569	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-3.652	-59.438	-23.652	Pass
NVNT	ANT1	3-DH1	2402.00	-3.414	-53.416	-23.414	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-3.264	-52.815	-23.264	Pass
NVNT	ANT1	3-DH1	2480.00	-4.597	-67.186	-24.597	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-3.598	-59.295	-23.598	Pass

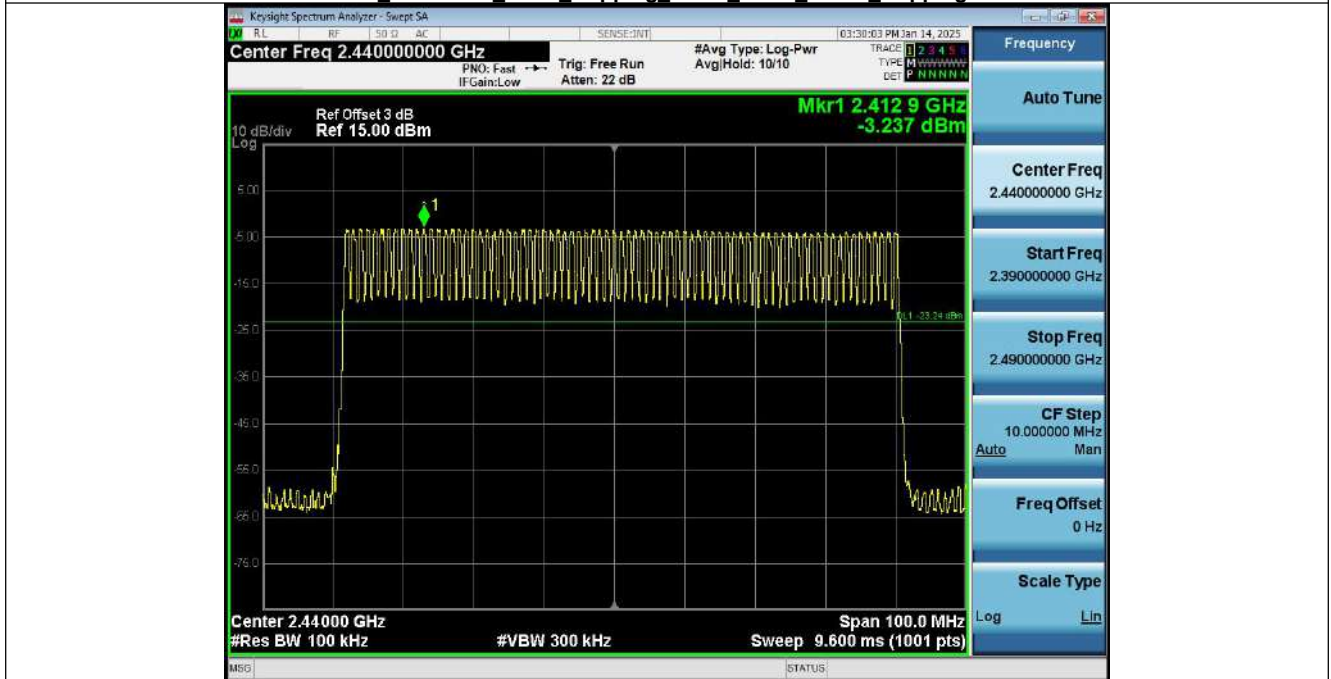
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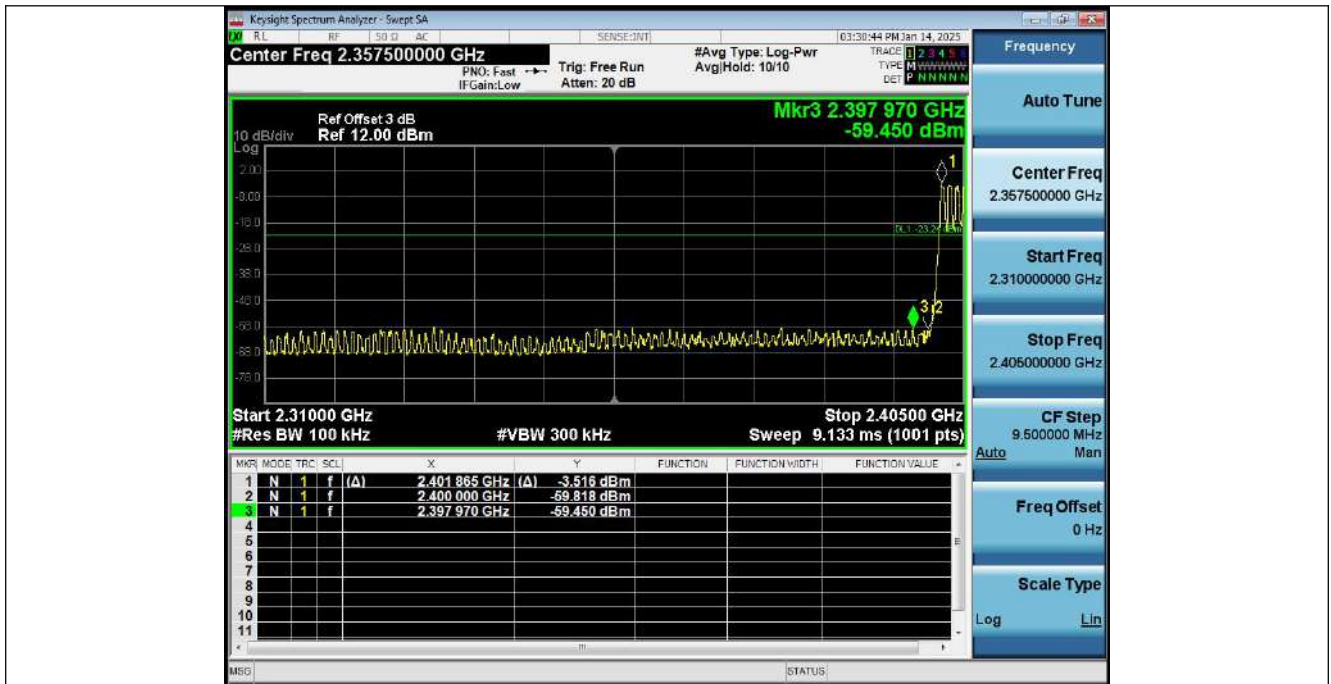
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1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



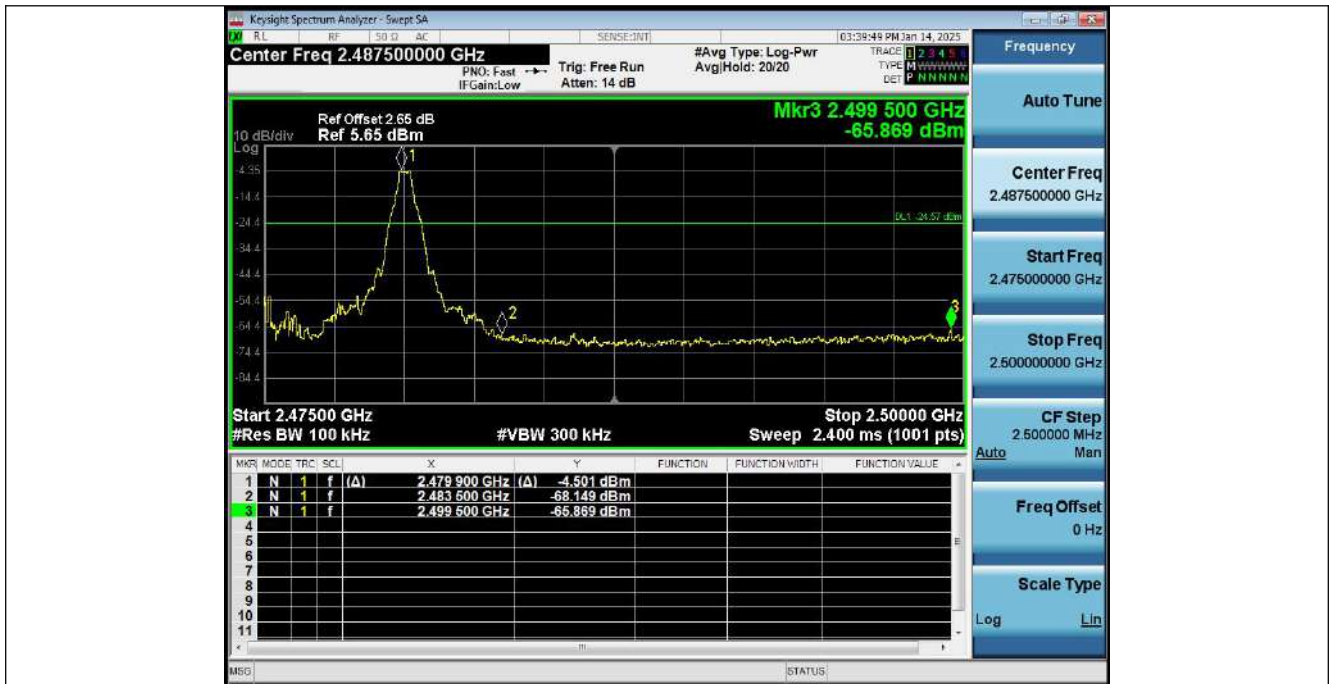
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



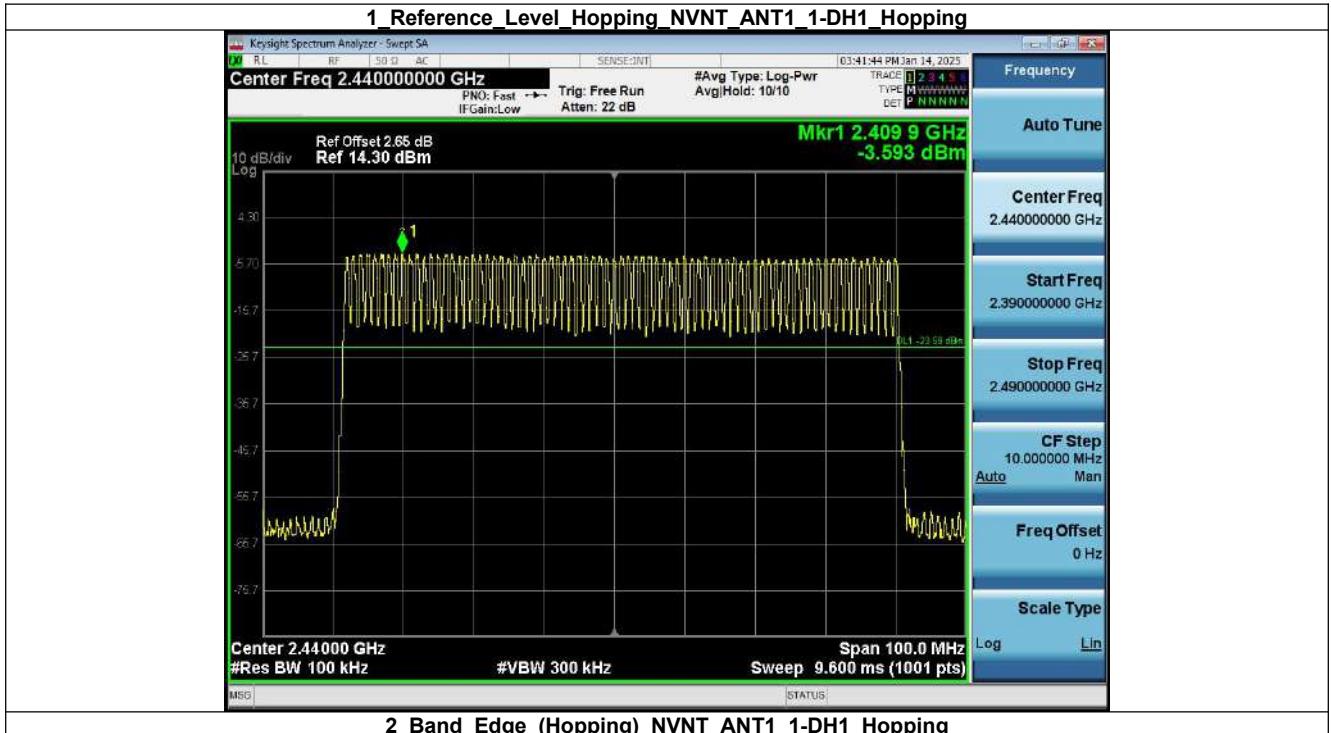
1 Reference Level NVNT ANT1 1-DH1 2480 00



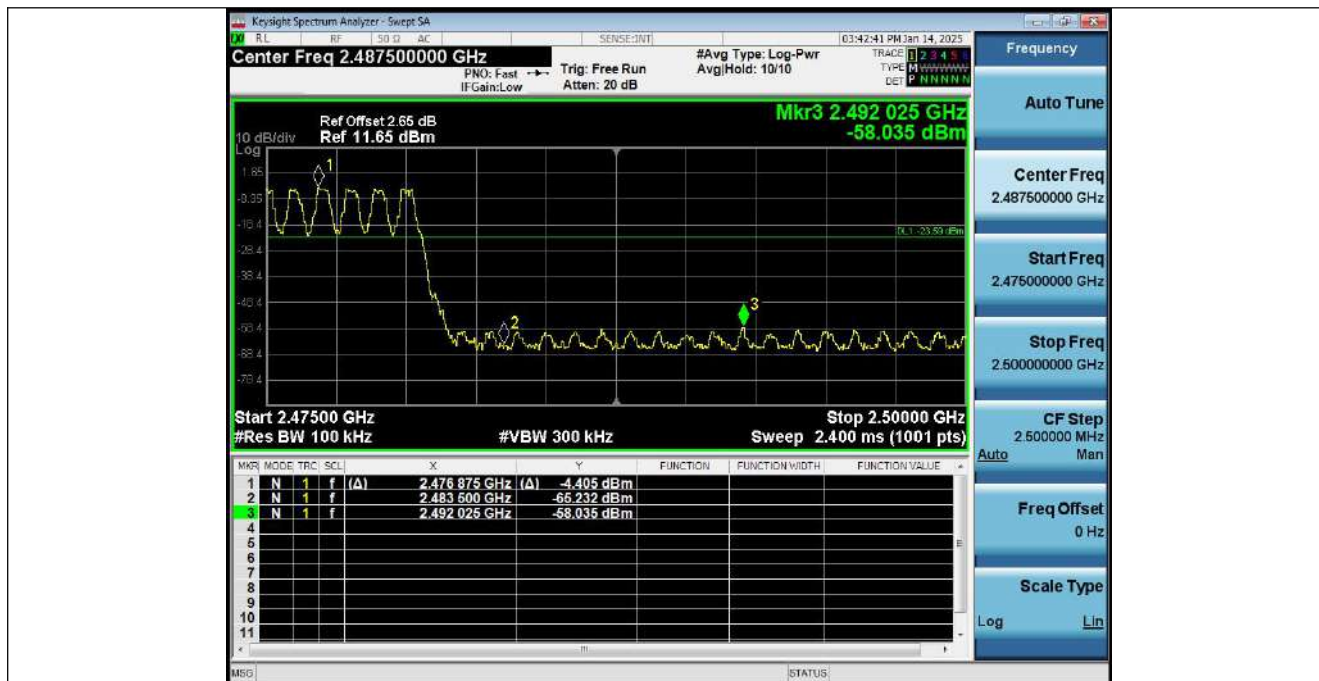
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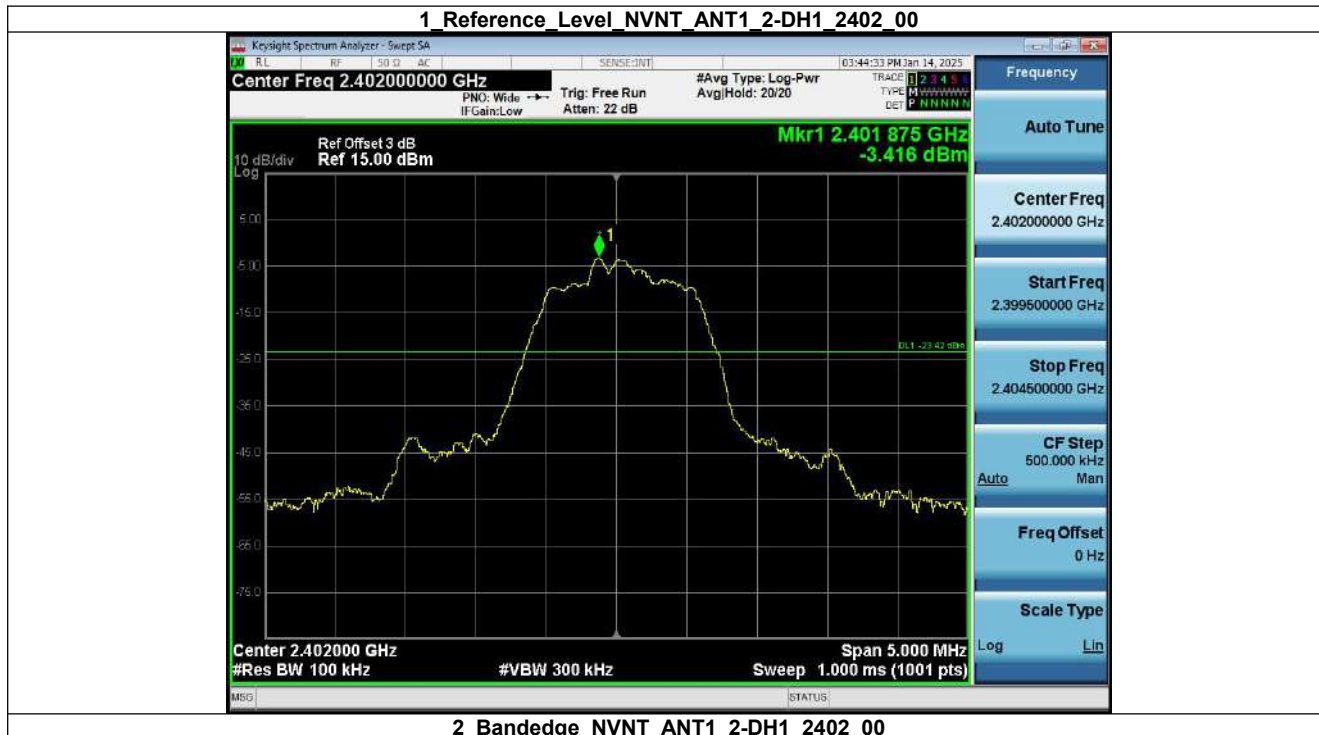
1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



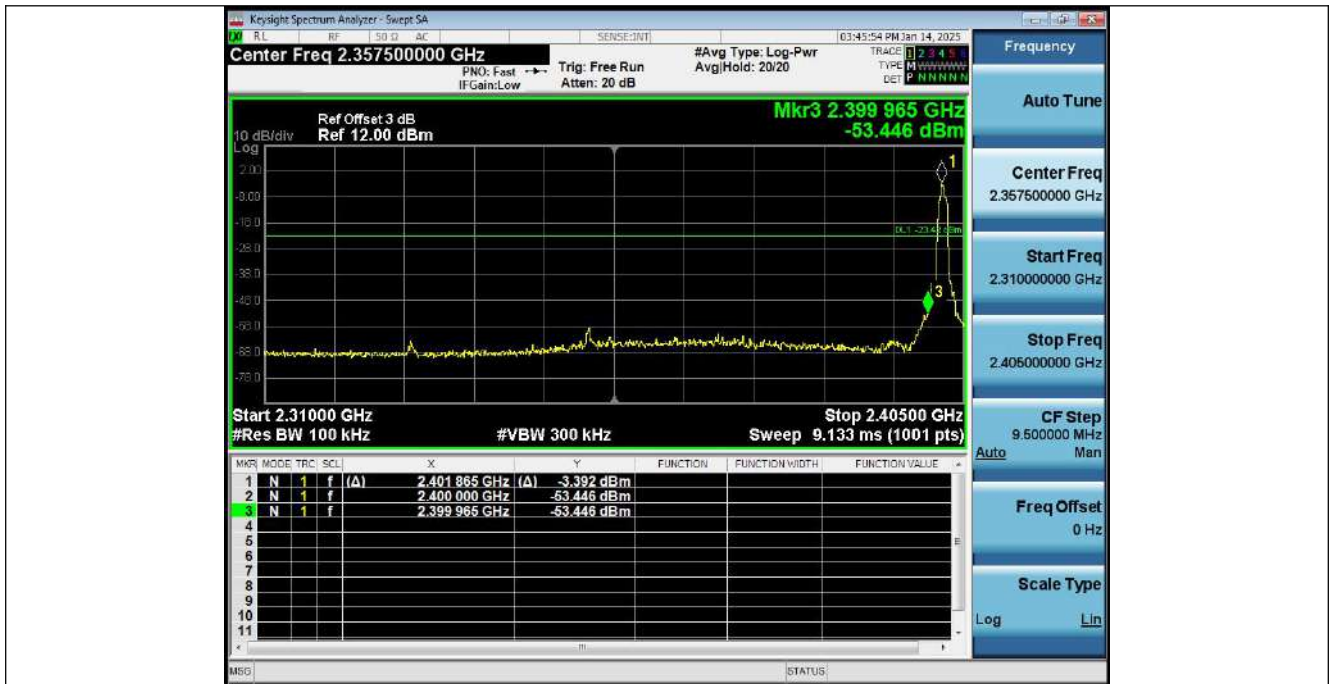
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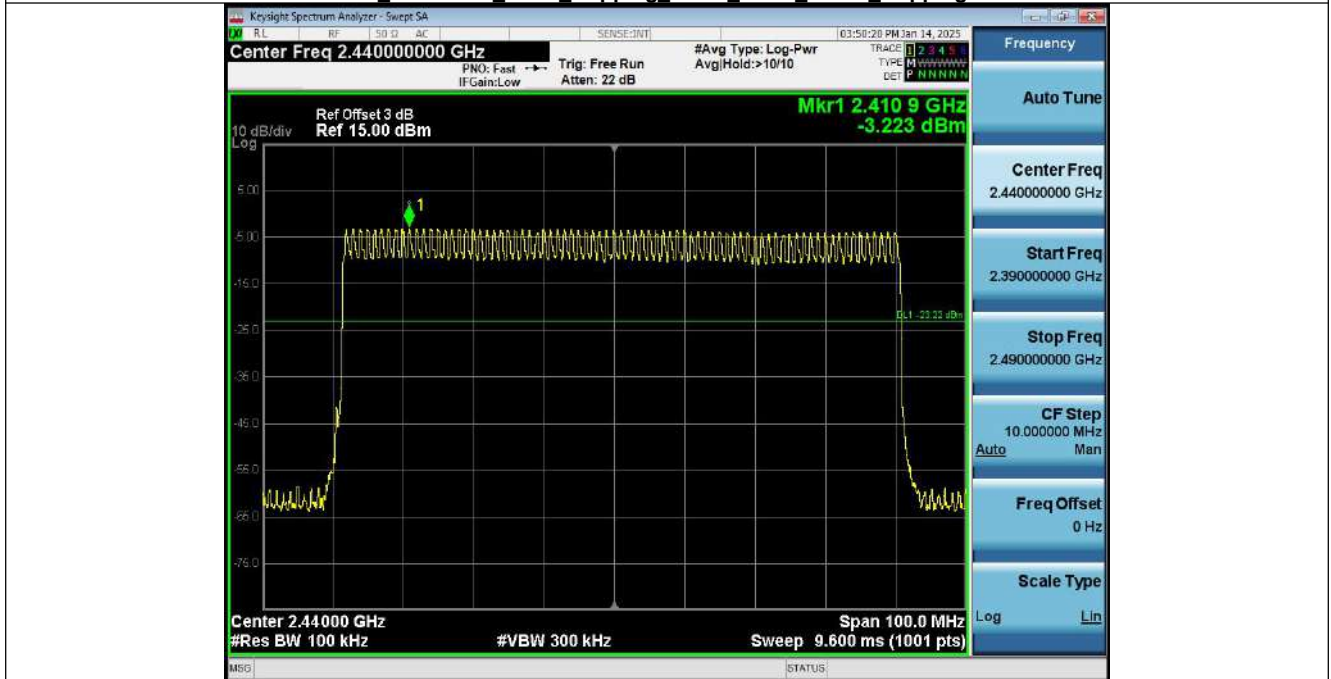
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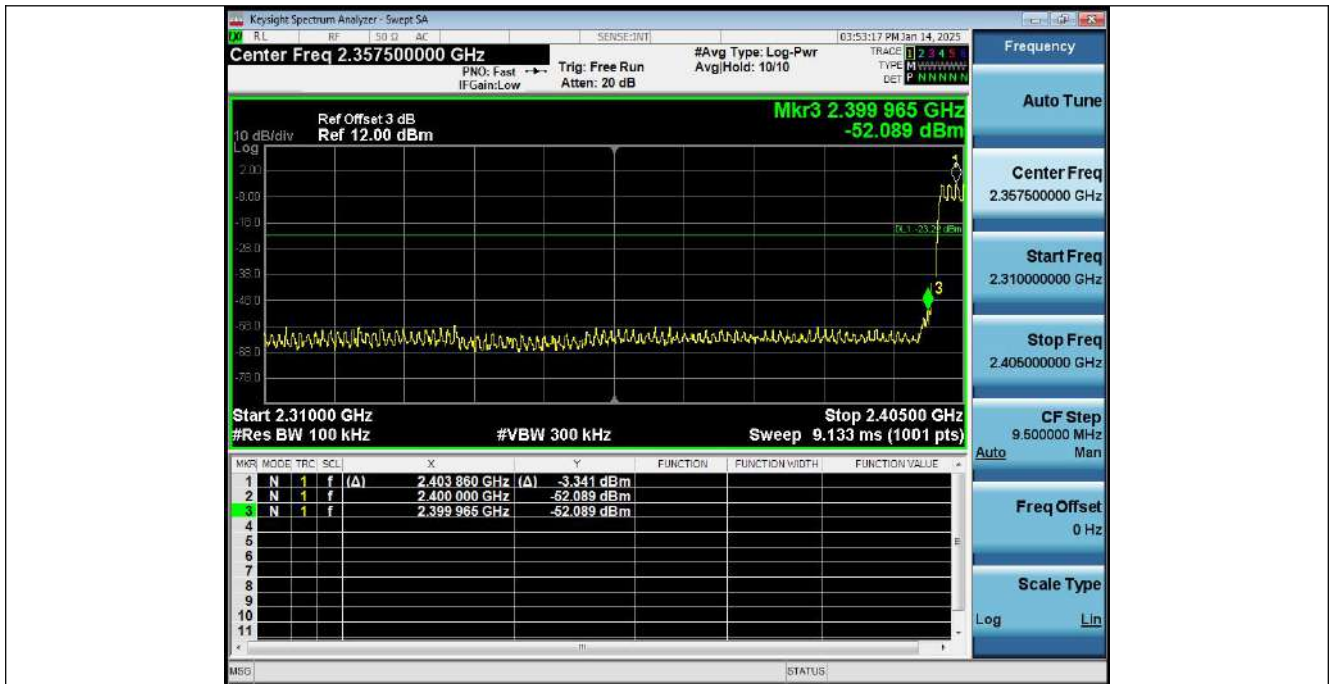
2 Bandedge NVNT ANT1 2-DH1 2402 00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



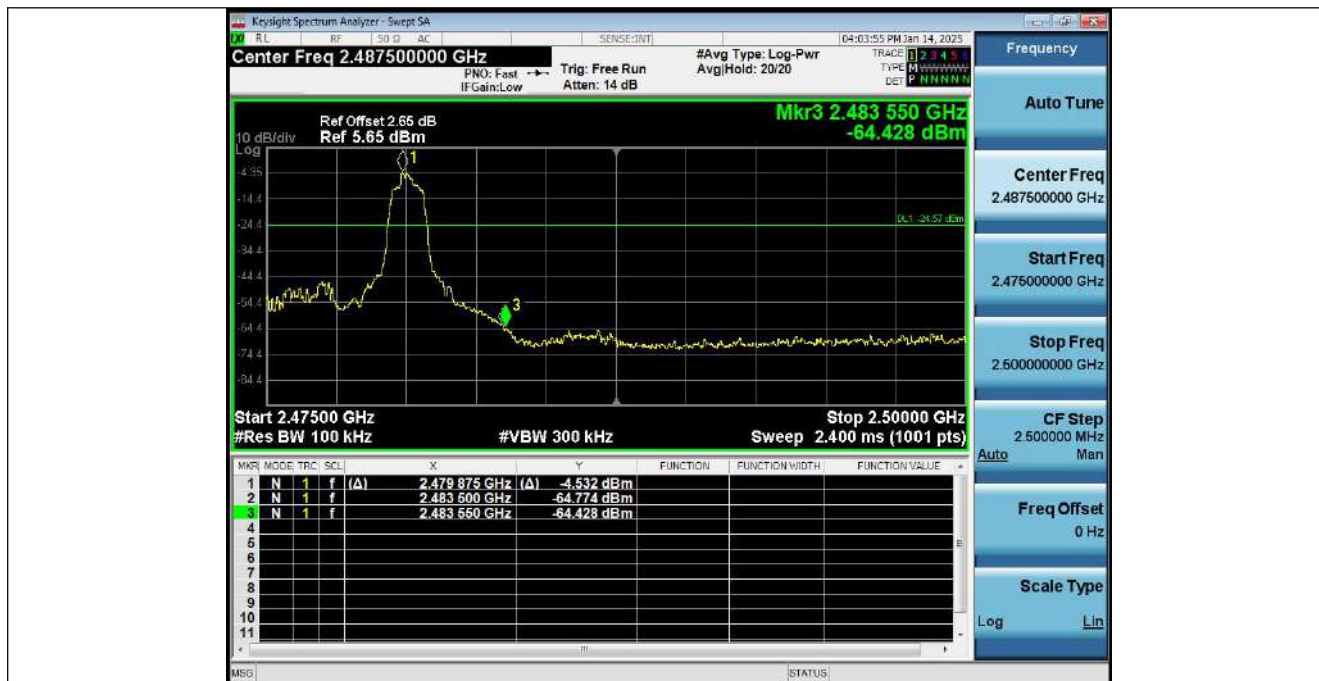
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



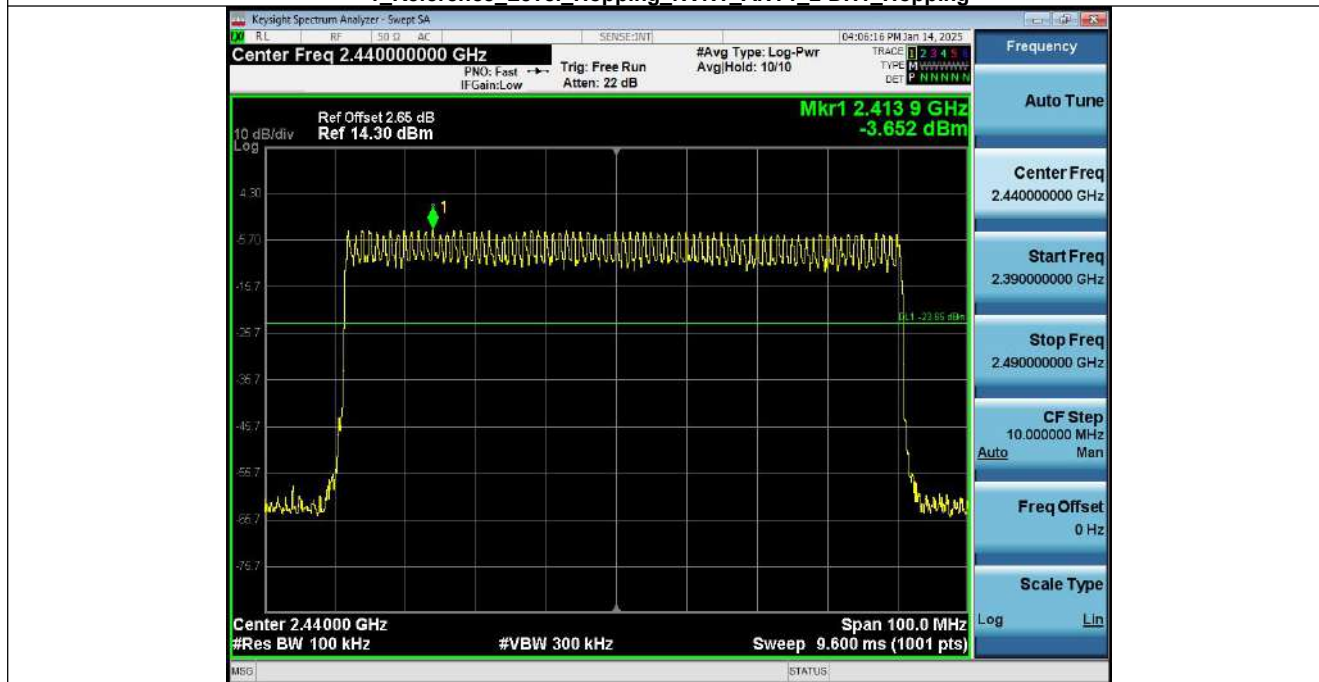
1 Reference Level NVNT ANT1 2-DH1 2480 00



2 Bandedge NVNT ANT1 2-DH1 2480 00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



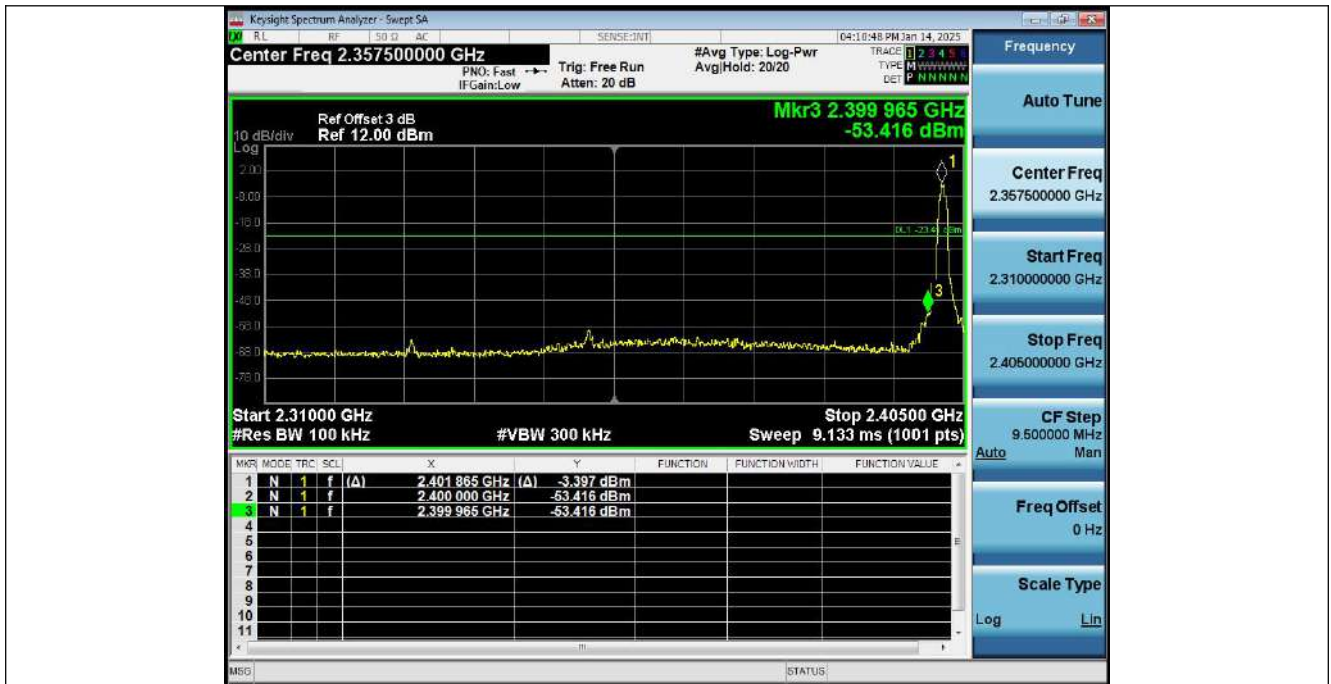
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



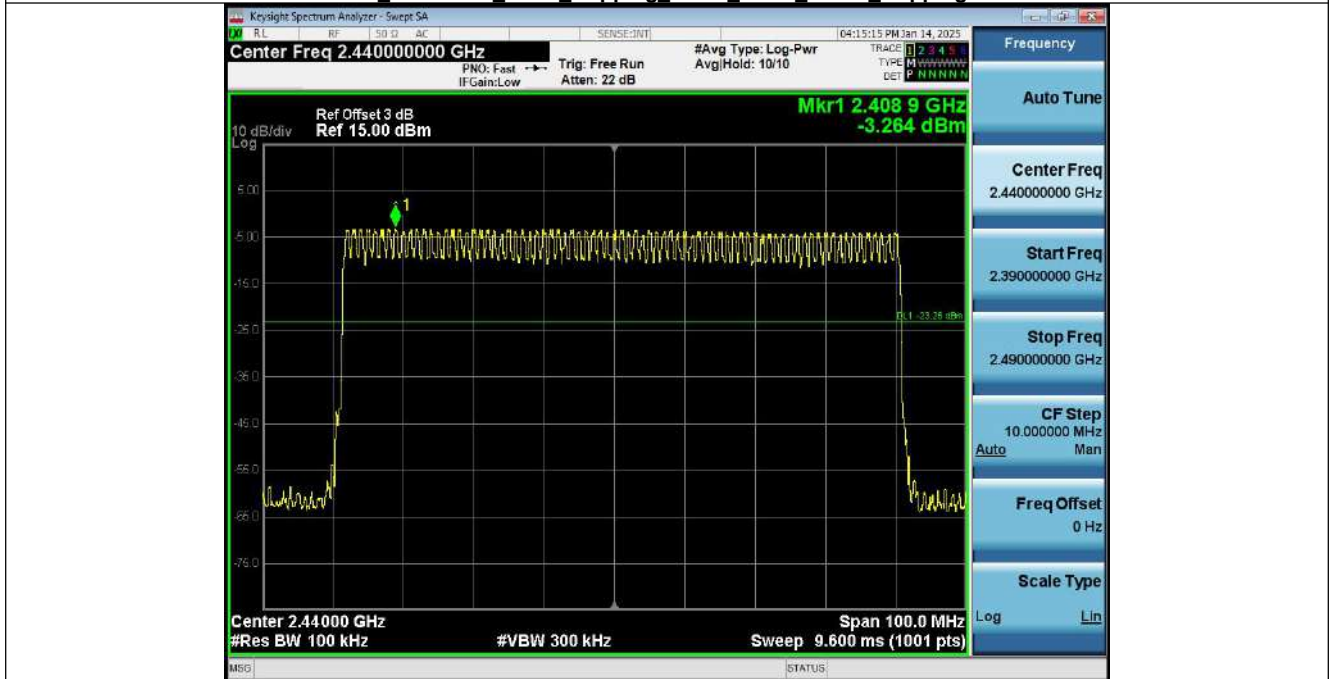
1 Reference Level NVNT ANT1 3-DH1 2402 00



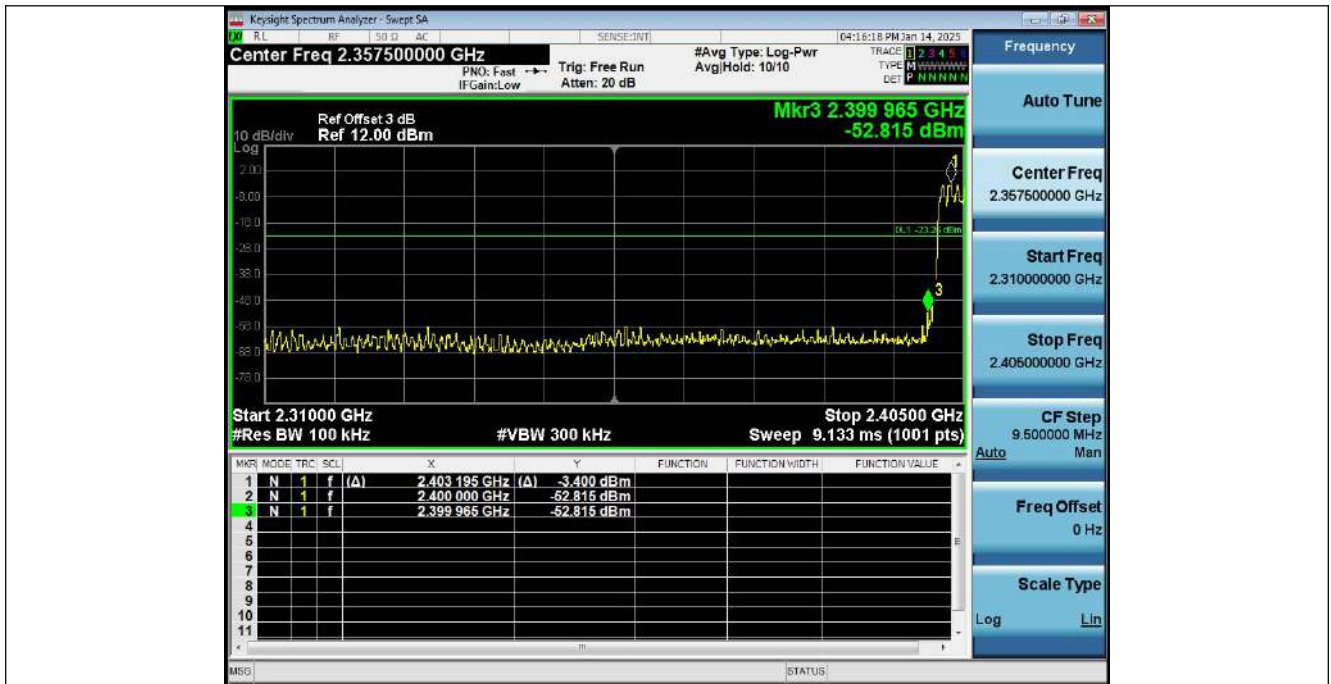
2 Bandedge NVNT ANT1 3-DH1 2402 00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



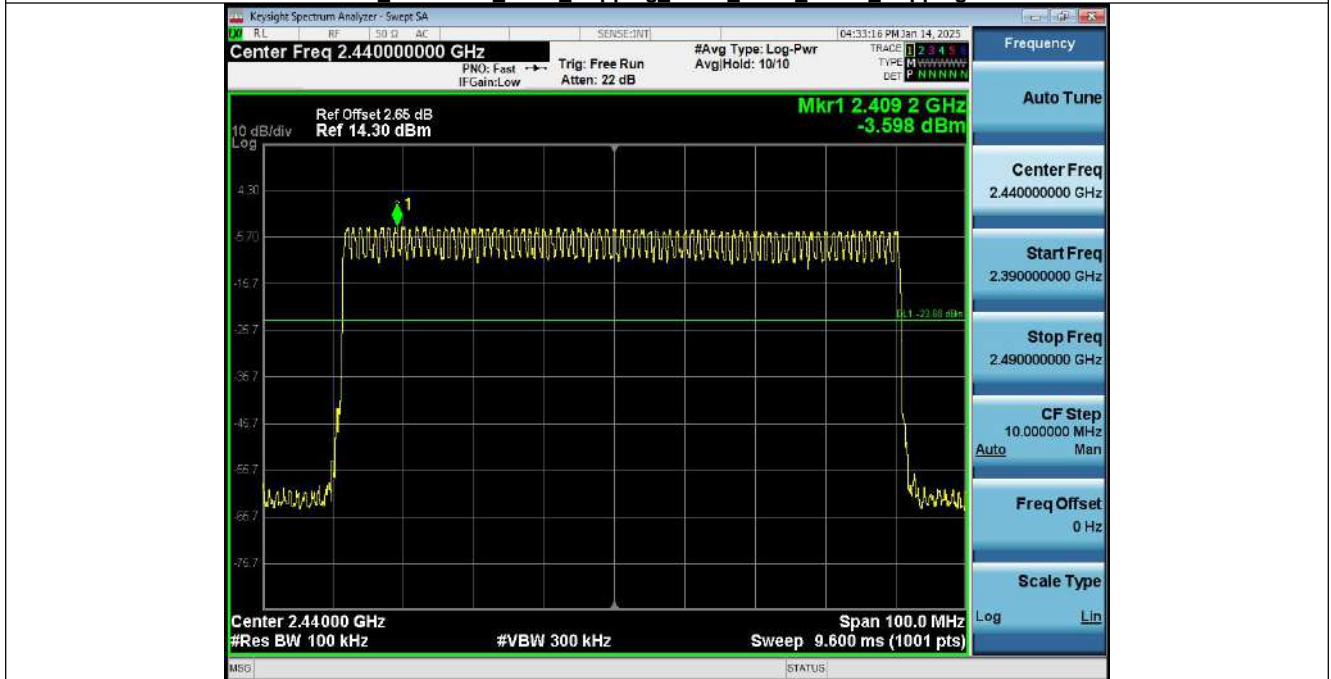
1 Reference Level NVNT ANT1 3-DH1 2480 00



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	2402.038	2403.202	1.16	0.879	Pass
NVNT	ANT1	1-DH1	2441.00	2440.873	2441.884	1.01	0.975	Pass
NVNT	ANT1	1-DH1	2480.00	2478.885	2479.875	0.99	0.926	Pass
NVNT	ANT1	2-DH1	2402.00	2401.876	2402.875	1.00	0.846	Pass
NVNT	ANT1	2-DH1	2441.00	2440.882	2441.884	1.00	0.843	Pass
NVNT	ANT1	2-DH1	2480.00	2478.882	2479.881	1.00	0.849	Pass
NVNT	ANT1	3-DH1	2402.00	2402.044	2403.052	1.01	0.817	Pass
NVNT	ANT1	3-DH1	2441.00	2440.873	2441.875	1.00	0.819	Pass
NVNT	ANT1	3-DH1	2480.00	2478.879	2479.881	1.00	0.835	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



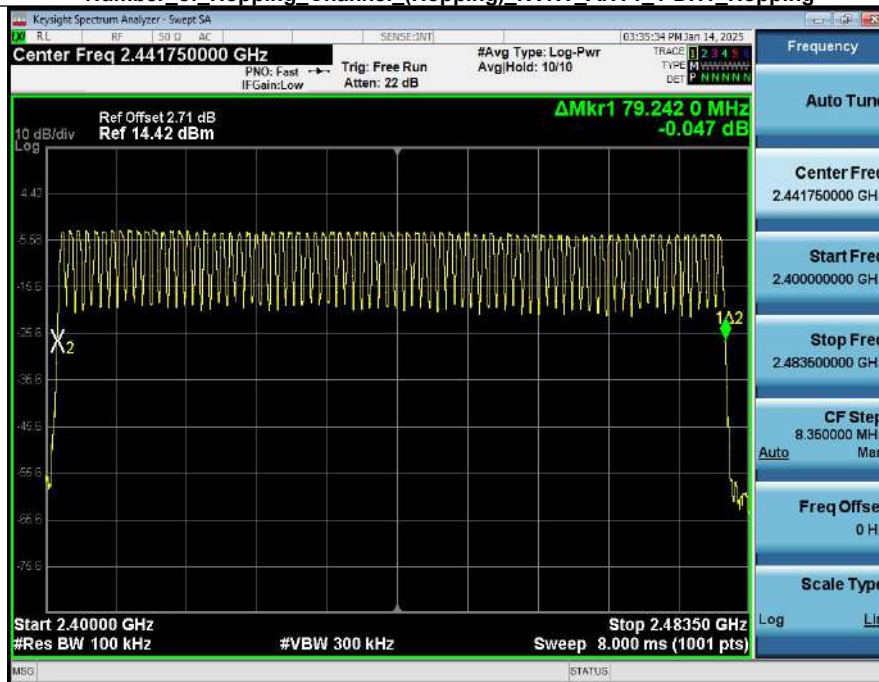
Carrier Frequencies Separation (Hopping) NVNT ANT1 3-DH1 Hopping



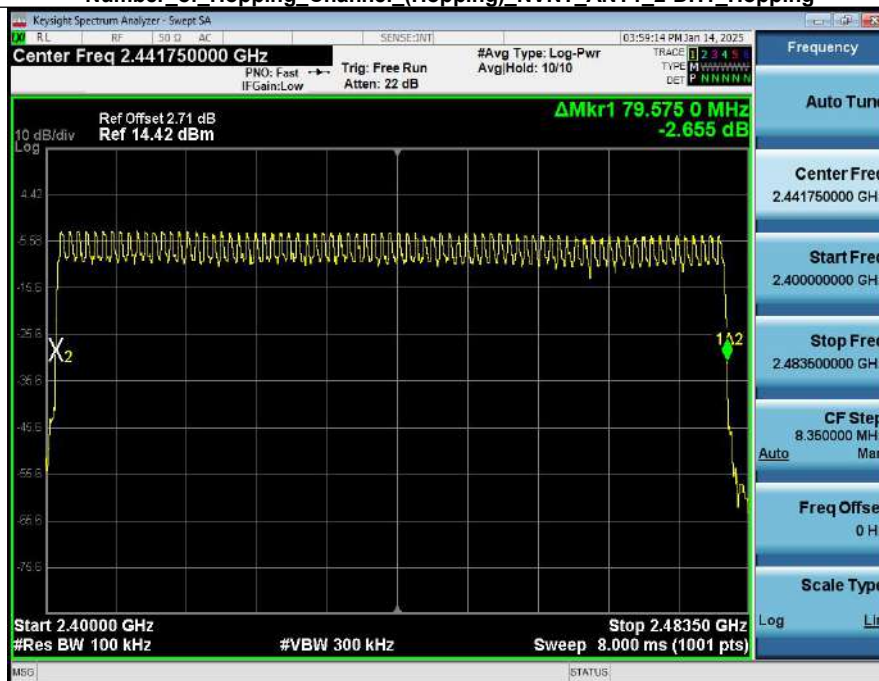
8. Number of Hopping Channel (Hopping)

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

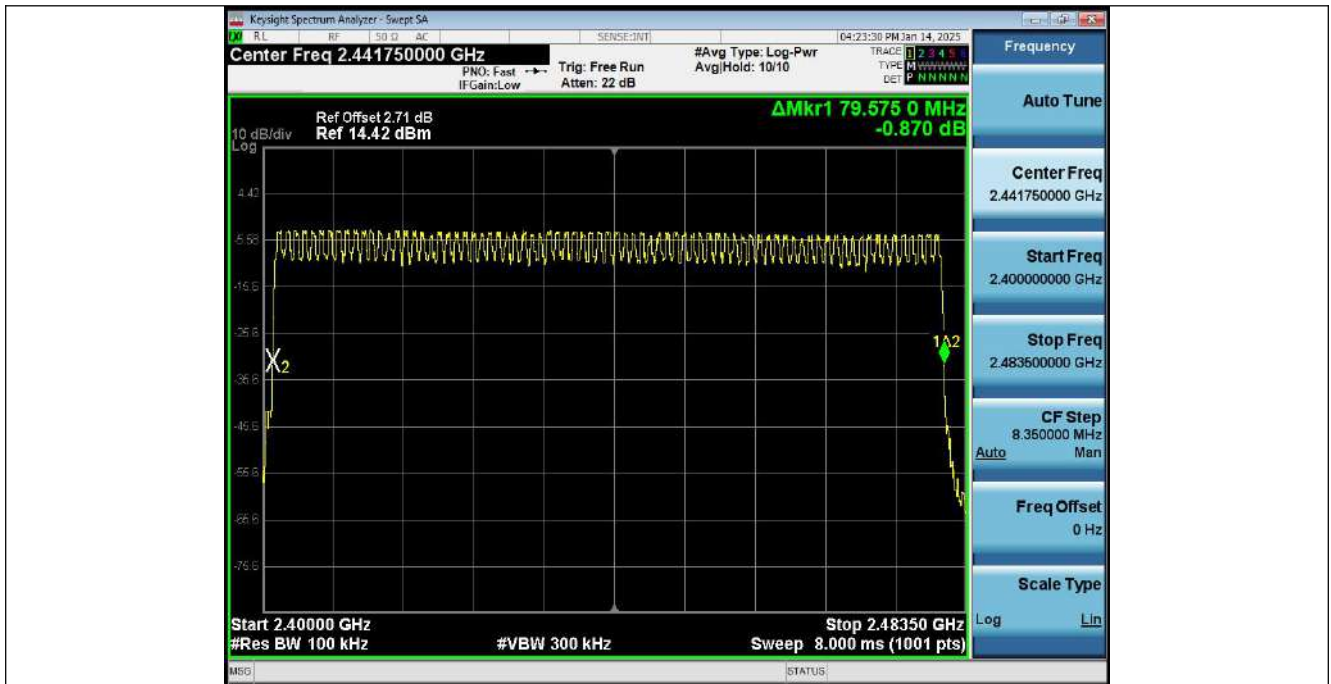
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping



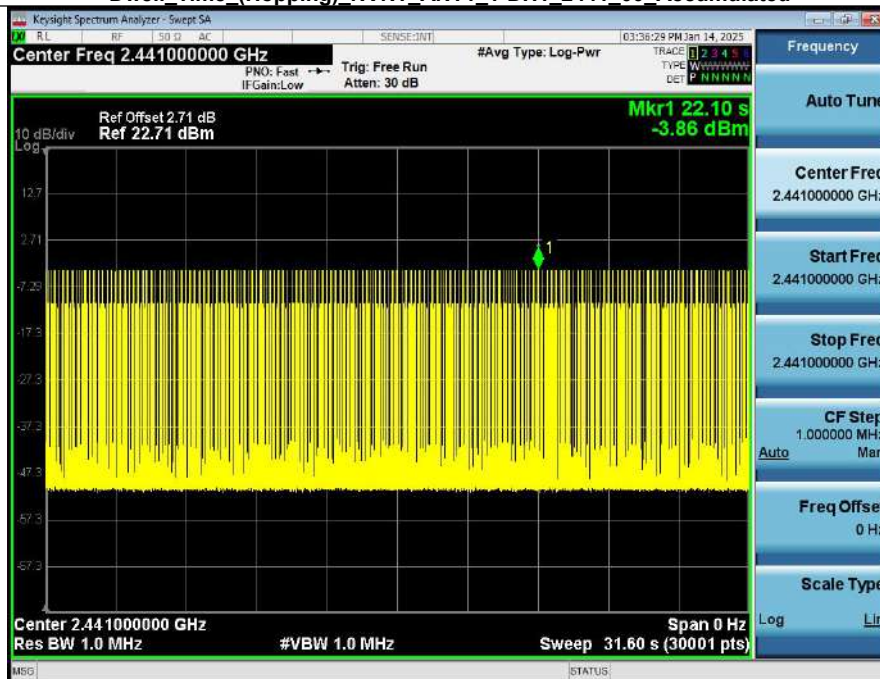
9. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.400	318.00	127.200	0.40	Pass
NVNT	ANT1	2-DH1	0.400	318.00	127.200	0.40	Pass
NVNT	ANT1	3-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	1-DH5	1.650	163.00	268.950	0.40	Pass
NVNT	ANT1	1-DH5	2.890	114.00	329.460	0.40	Pass
NVNT	ANT1	2-DH3	1.660	160.00	265.600	0.40	Pass
NVNT	ANT1	2-DH5	2.900	111.00	321.900	0.40	Pass
NVNT	ANT1	3-DH3	1.650	158.00	260.700	0.40	Pass
NVNT	ANT1	3-DH5	2.910	109.00	317.190	0.40	Pass

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



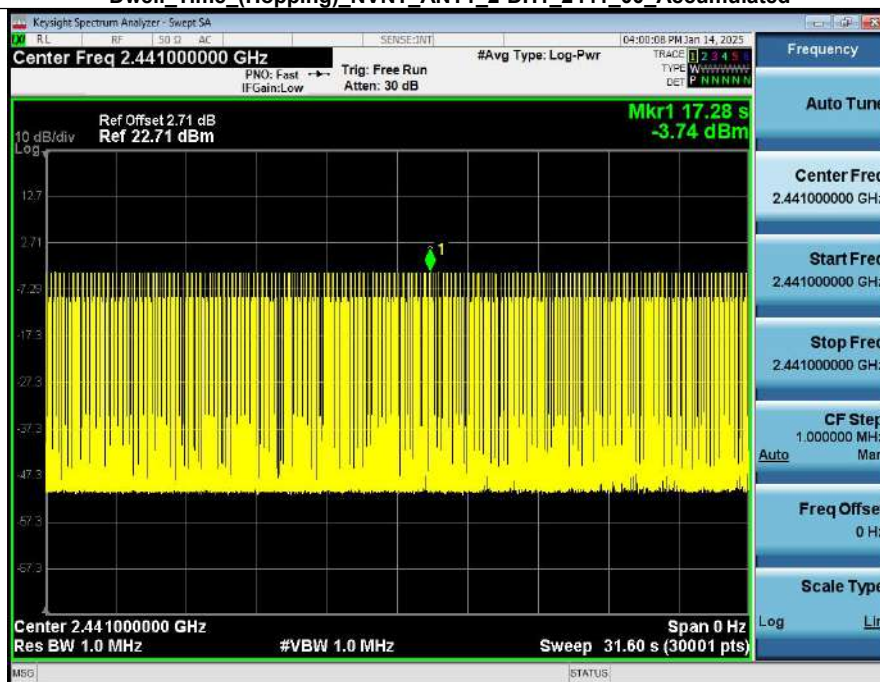
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 Accumulated



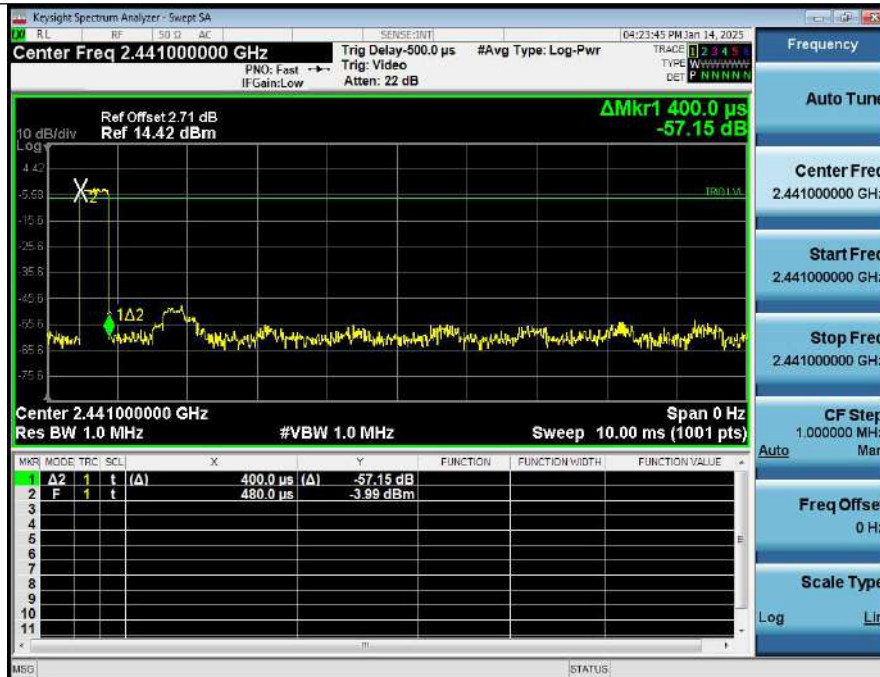
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 00 One Burst Time



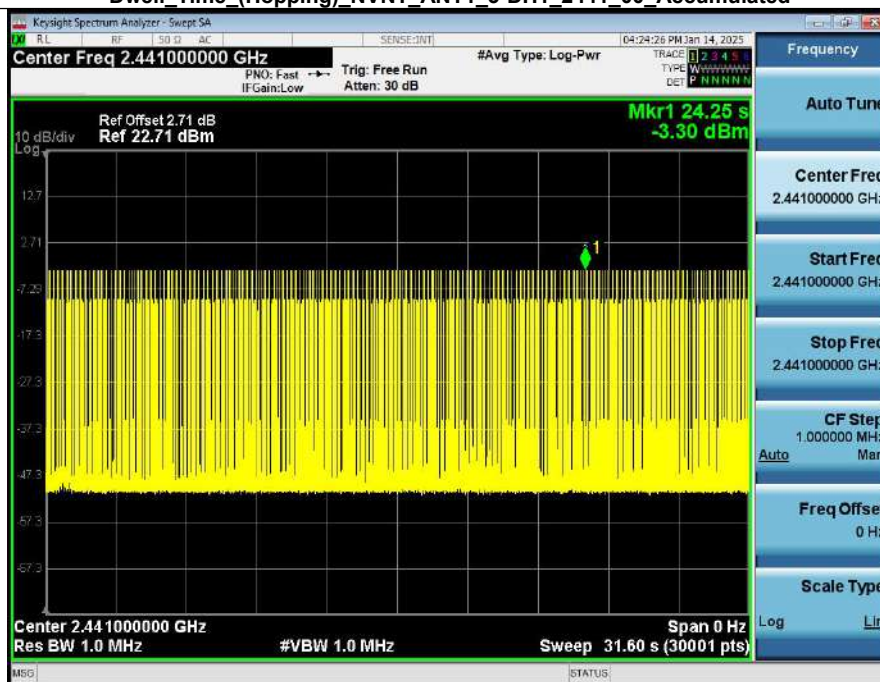
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_One Burst Time



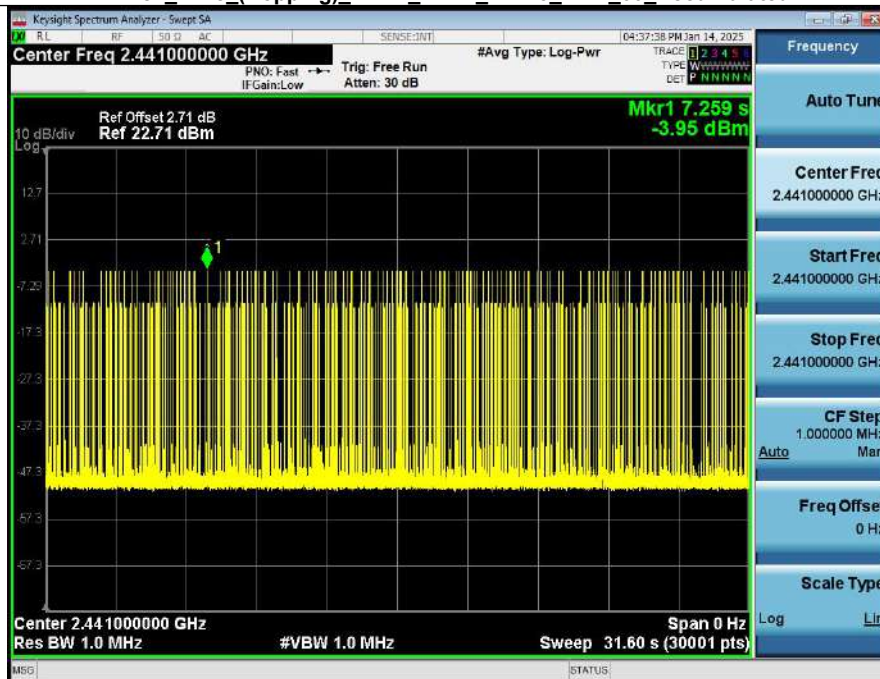
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_One Burst Time



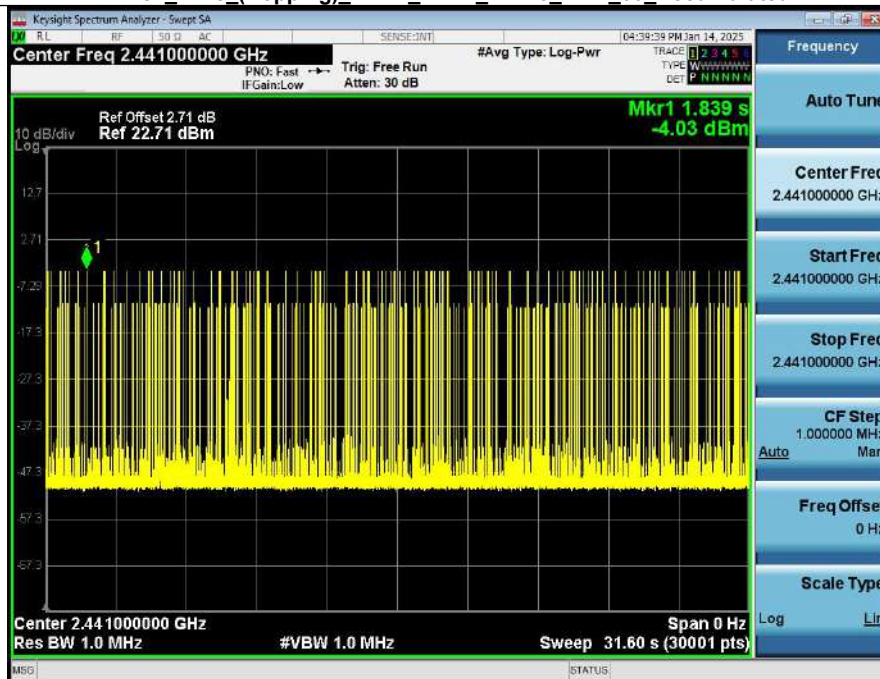
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_One Burst Time



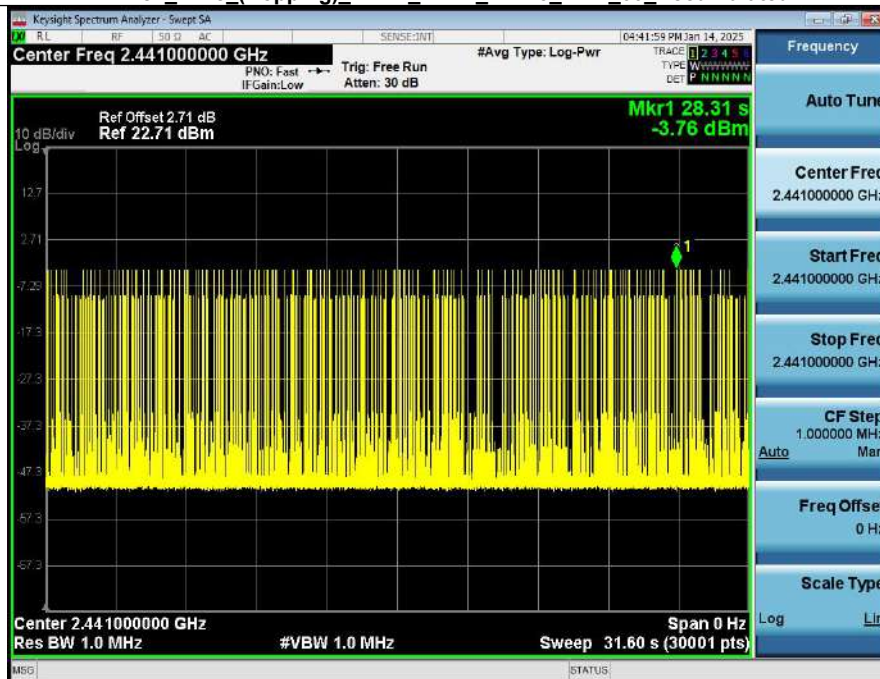
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated



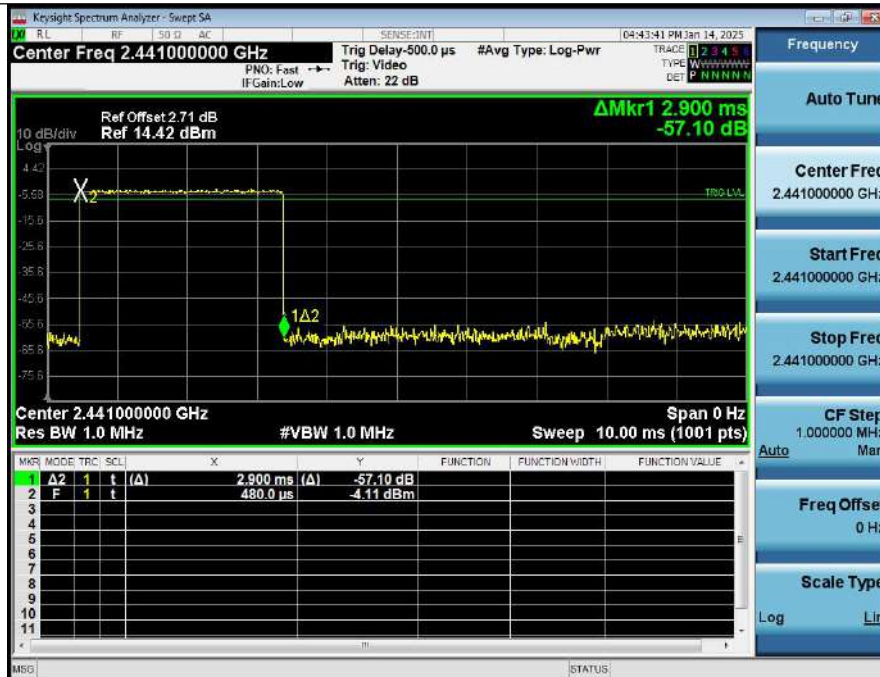
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_One Burst Time



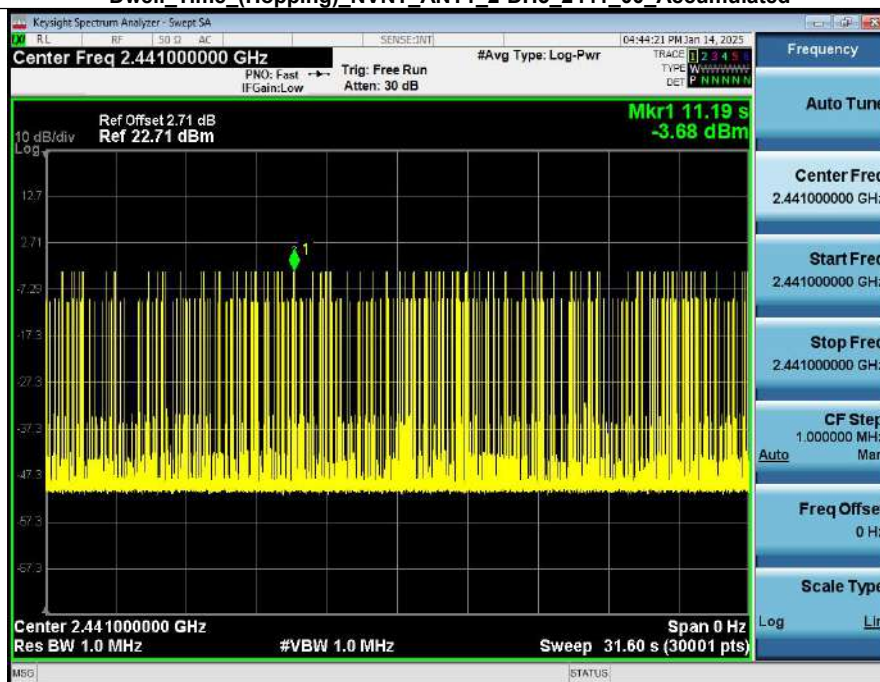
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_Accumulated



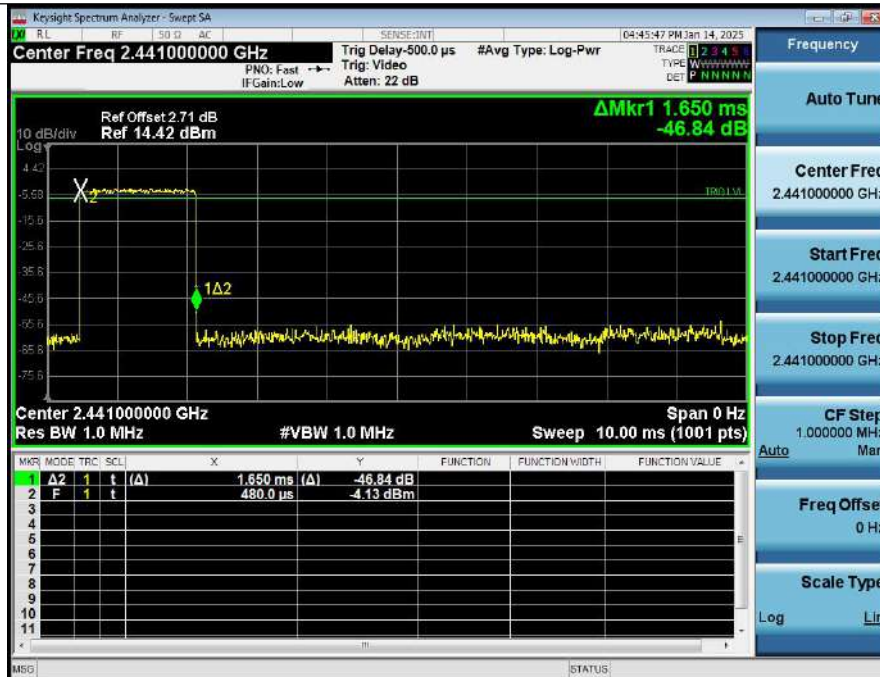
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_One Burst Time



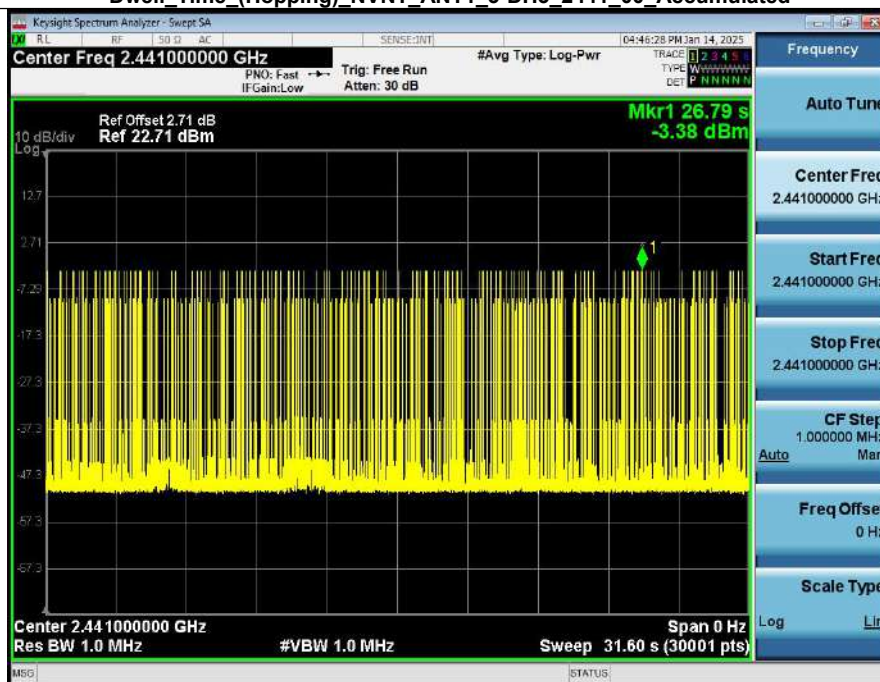
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_Accumulated



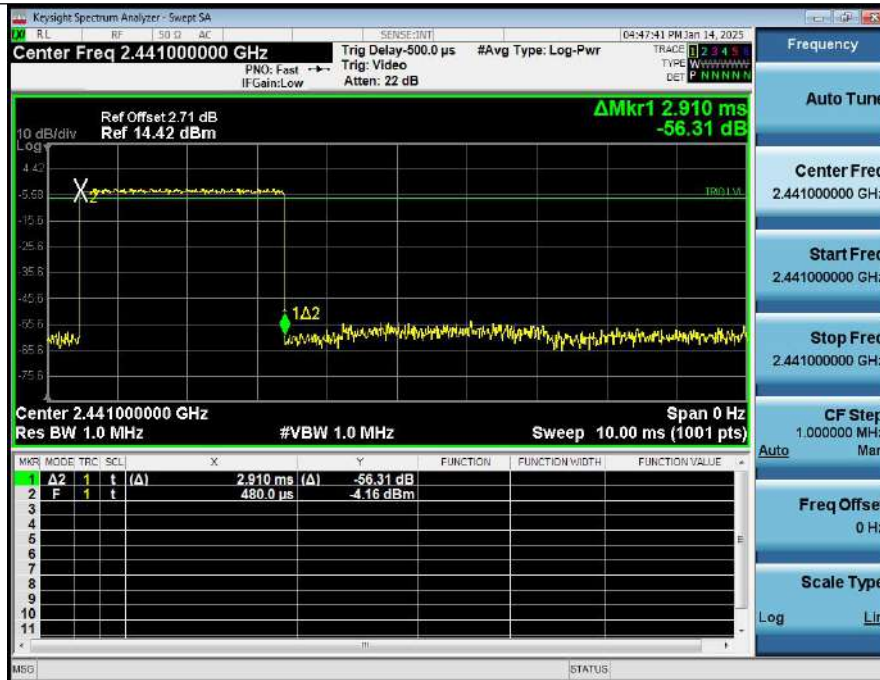
Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_One Burst Time



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

