

FCC TEST DATA

FCC ID: 2AYGN-M22

Product : **Wireless speakers**
Model Name : **M22**
Brand : **N/A**
Report No. : **NCT24034887XE1-1**

Prepared for

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FCC ID EDR

FCC_BT (Part15.247) Test Data

1. -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	1.025	Yes
NVNT	ANT1	1-DH1	2441.00	1.036	Yes
NVNT	ANT1	1-DH1	2480.00	1.036	Yes
NVNT	ANT1	2-DH1	2402.00	1.296	Yes
NVNT	ANT1	2-DH1	2441.00	1.291	Yes
NVNT	ANT1	2-DH1	2480.00	1.287	Yes
NVNT	ANT1	3-DH1	2402.00	1.259	Yes
NVNT	ANT1	3-DH1	2441.00	1.253	Yes
NVNT	ANT1	3-DH1	2480.00	1.265	Yes



-20dB_Bandwidth_NVNT_ANT1_1-DH1_2441_00



-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

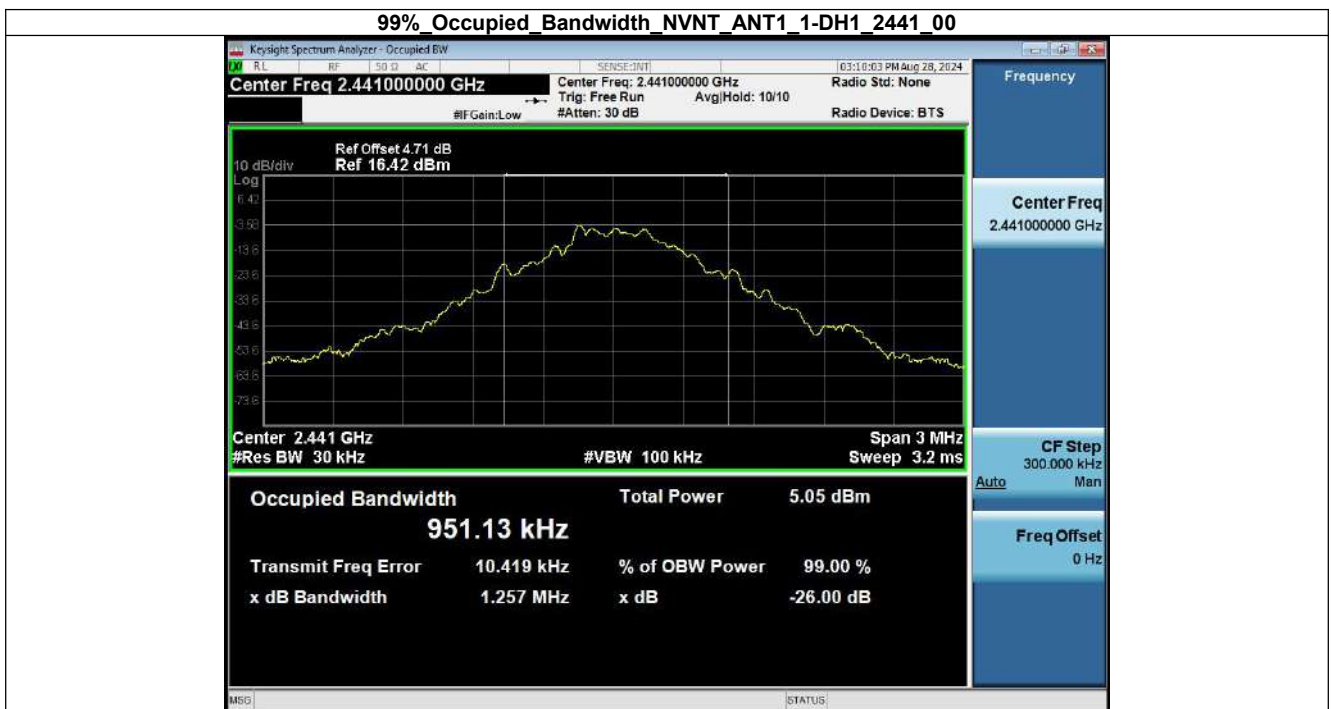


-20dB Bandwidth NVNT_ANT1_3-DH1_2480_00



2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH1	2402.00	0.916
NVNT	ANT1	1-DH1	2441.00	0.951
NVNT	ANT1	1-DH1	2480.00	0.969
NVNT	ANT1	2-DH1	2402.00	1.199
NVNT	ANT1	2-DH1	2441.00	1.210
NVNT	ANT1	2-DH1	2480.00	1.211
NVNT	ANT1	3-DH1	2402.00	1.181
NVNT	ANT1	3-DH1	2441.00	1.190
NVNT	ANT1	3-DH1	2480.00	1.191



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



3. 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	-1.70	0.68	125	Pass
NVNT	ANT1	1-DH1	2441.00	-1.86	0.65	125	Pass
NVNT	ANT1	1-DH1	2480.00	-2.17	0.61	125	Pass
NVNT	ANT1	2-DH1	2402.00	-0.85	0.82	125	Pass
NVNT	ANT1	2-DH1	2441.00	-0.98	0.80	125	Pass
NVNT	ANT1	2-DH1	2480.00	-1.32	0.74	125	Pass
NVNT	ANT1	3-DH1	2402.00	-0.30	0.93	125	Pass
NVNT	ANT1	3-DH1	2441.00	-0.43	0.91	125	Pass
NVNT	ANT1	3-DH1	2480.00	-0.72	0.85	125	Pass



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



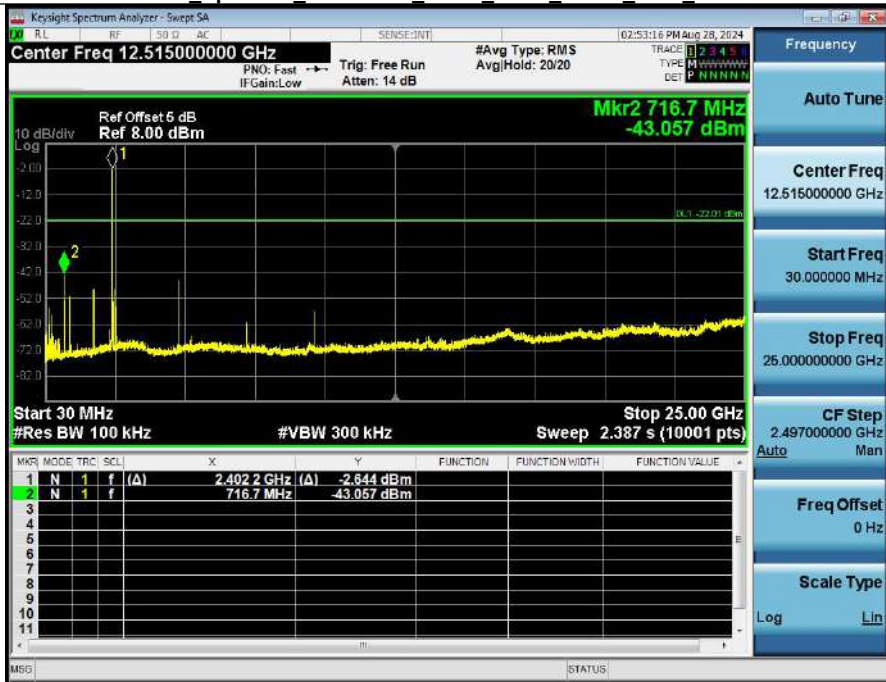
4. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-43.057	-22.012	Pass
NVNT	ANT1	1-DH1	2441.00	-46.544	-22.204	Pass
NVNT	ANT1	1-DH1	2480.00	-48.863	-22.566	Pass
NVNT	ANT1	2-DH1	2402.00	-46.023	-21.981	Pass
NVNT	ANT1	2-DH1	2441.00	-46.245	-22.097	Pass
NVNT	ANT1	2-DH1	2480.00	-38.935	-22.524	Pass
NVNT	ANT1	3-DH1	2402.00	-46.719	-21.948	Pass
NVNT	ANT1	3-DH1	2441.00	-46.417	-22.084	Pass
NVNT	ANT1	3-DH1	2480.00	-47.684	-22.541	Pass

1 Reference Level NVNT ANT1 1-DH1 2402 00



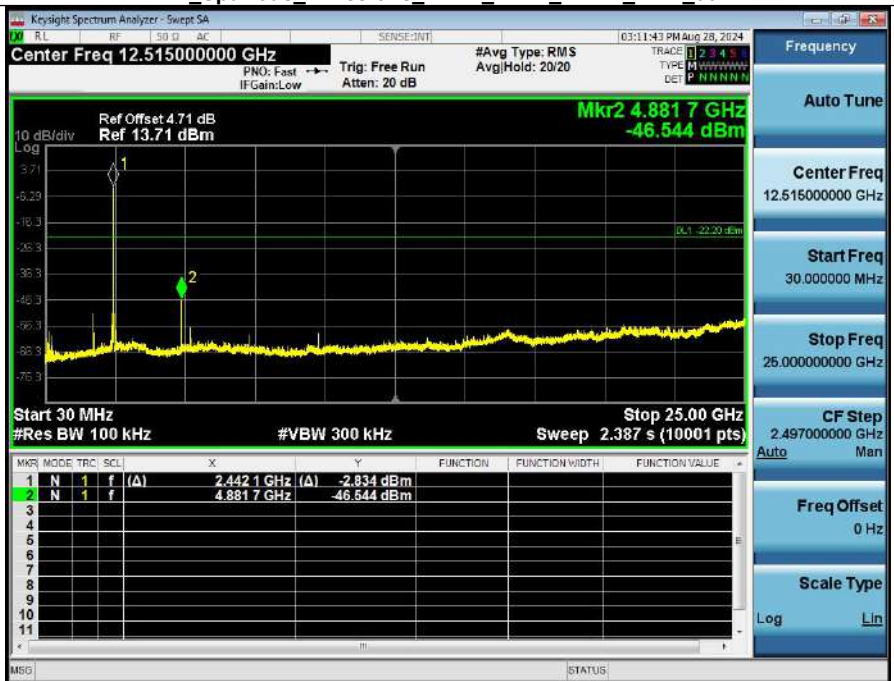
2 Spurious Emissions NVNT ANT1 1-DH1 2402 00



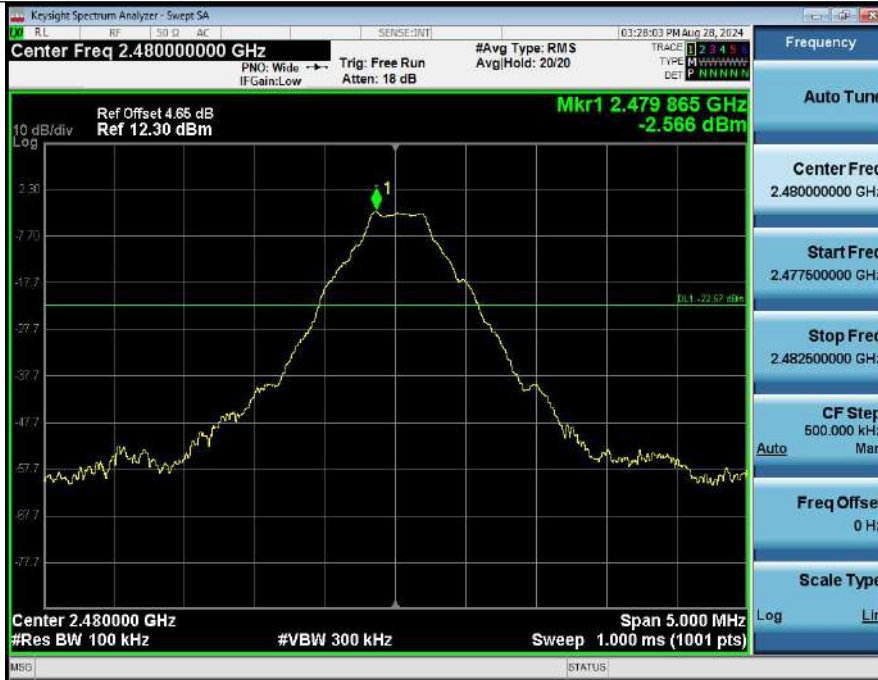
1 Reference Level NVNT ANT1 1-DH1 2441 00



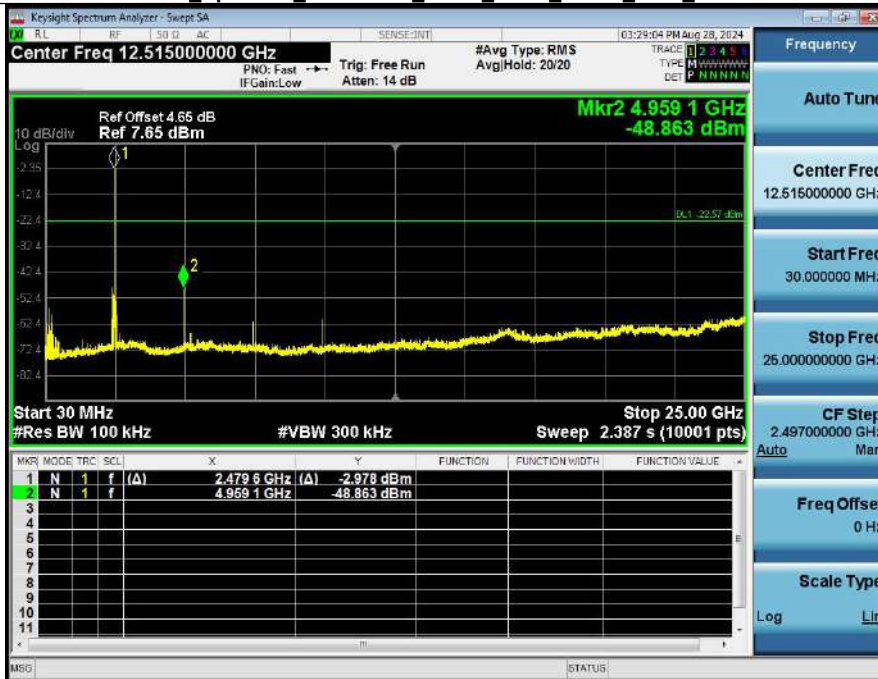
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1 Reference_Level_NVNT_ANT1_1-DH1_2480_00



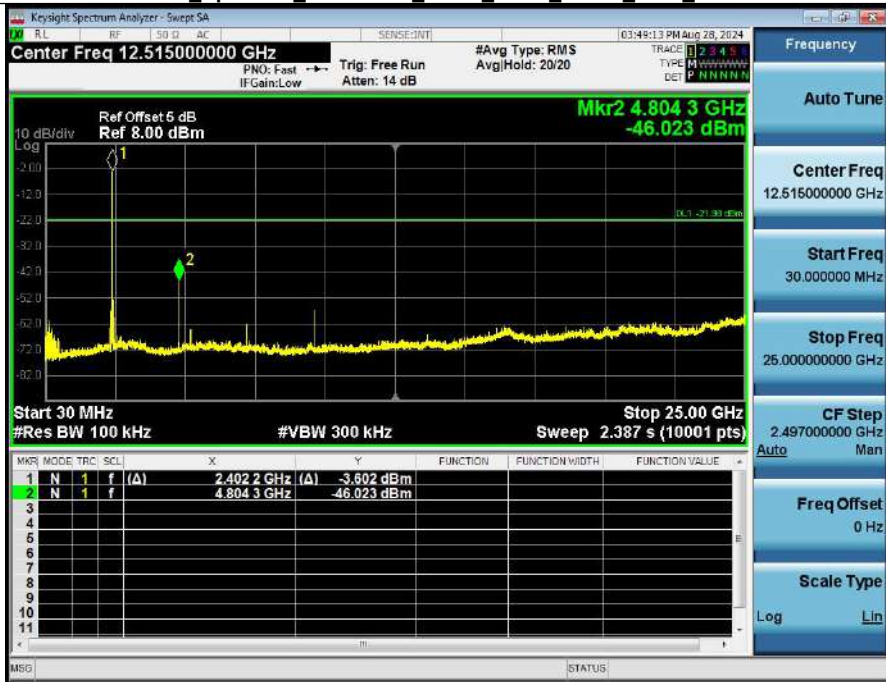
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1 Reference Level_NVNT_ANT1_2-DH1_2402_00



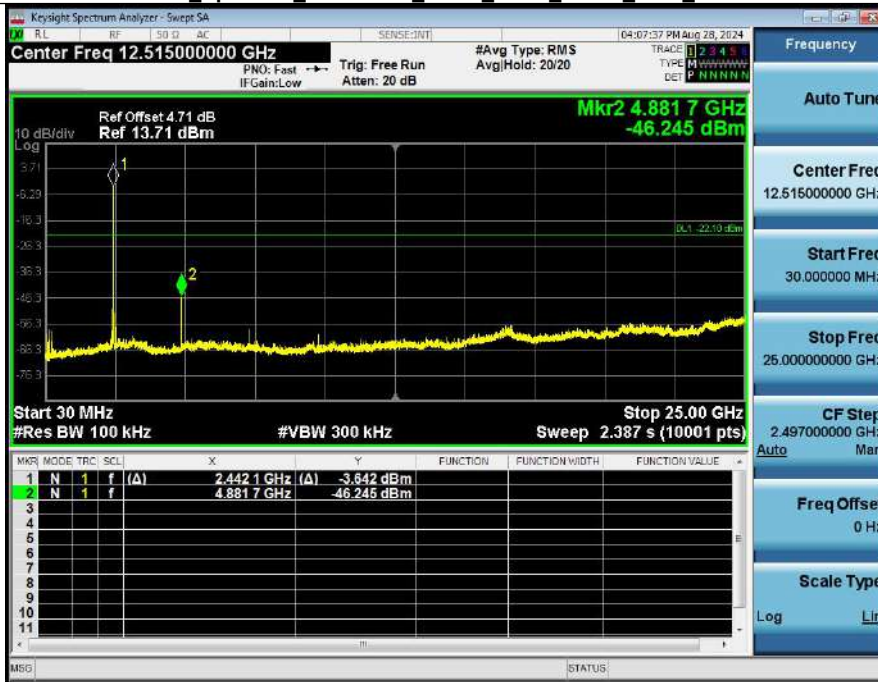
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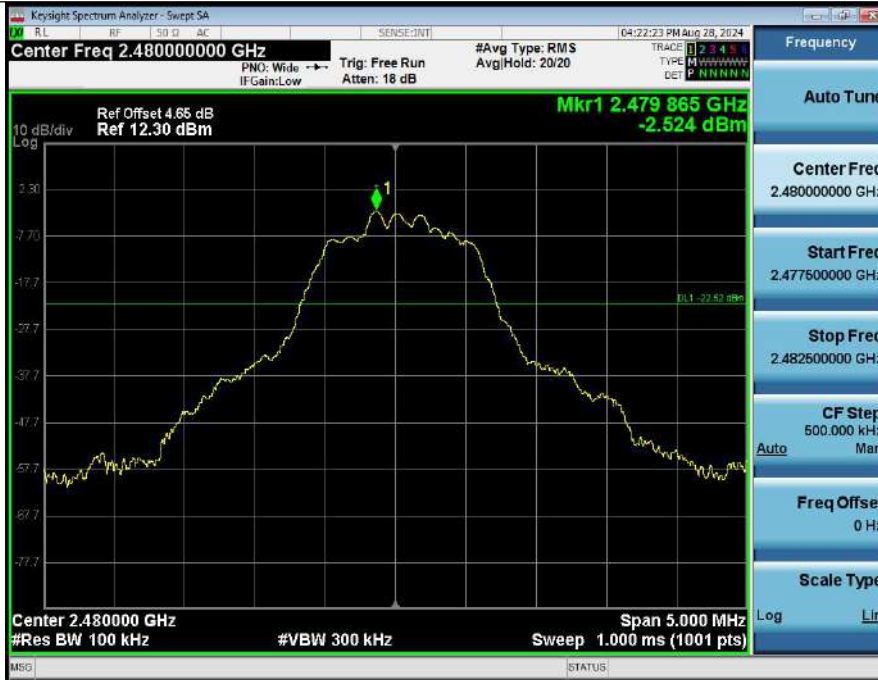
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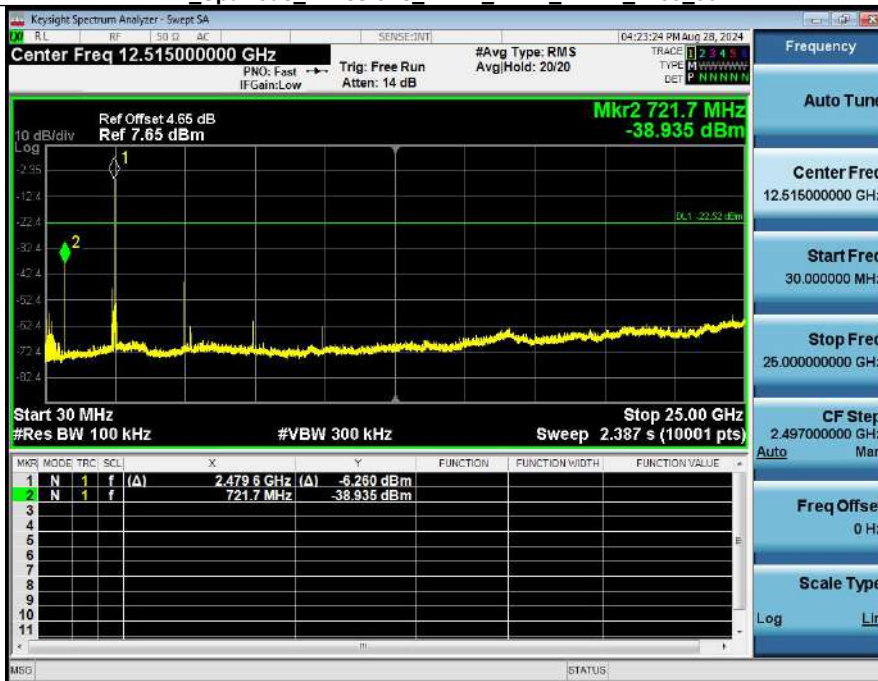
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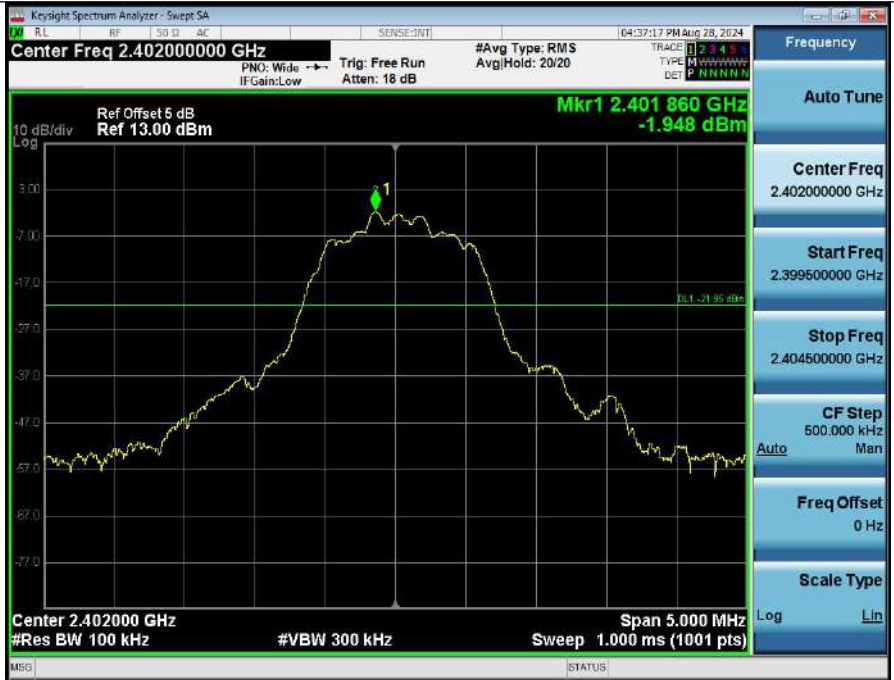
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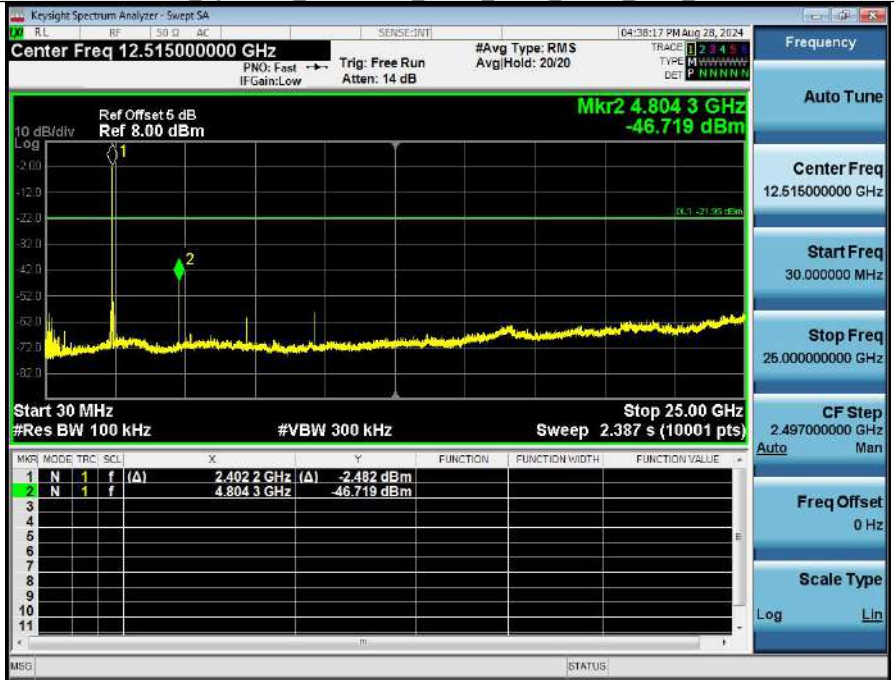
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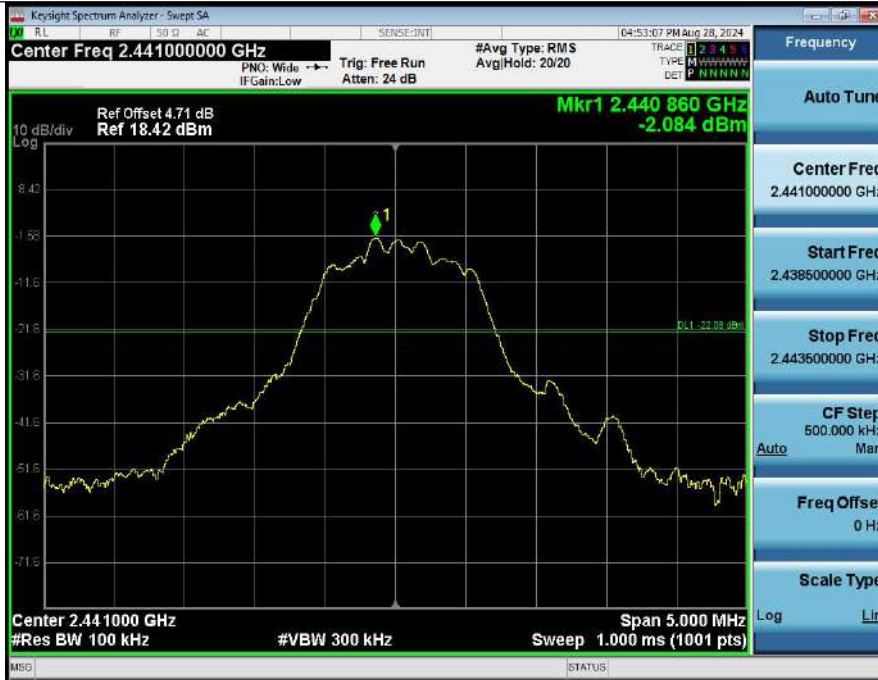
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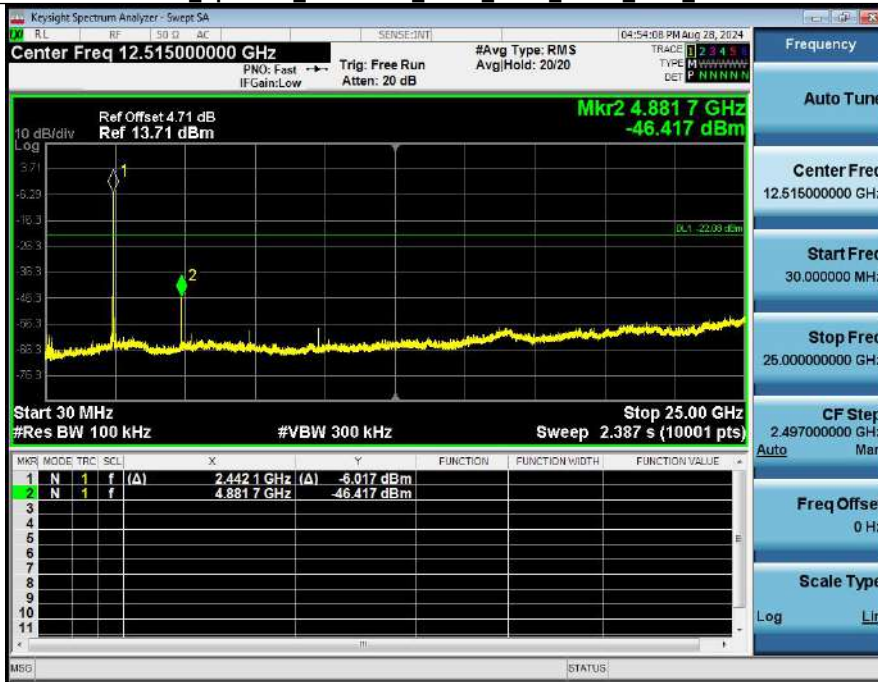
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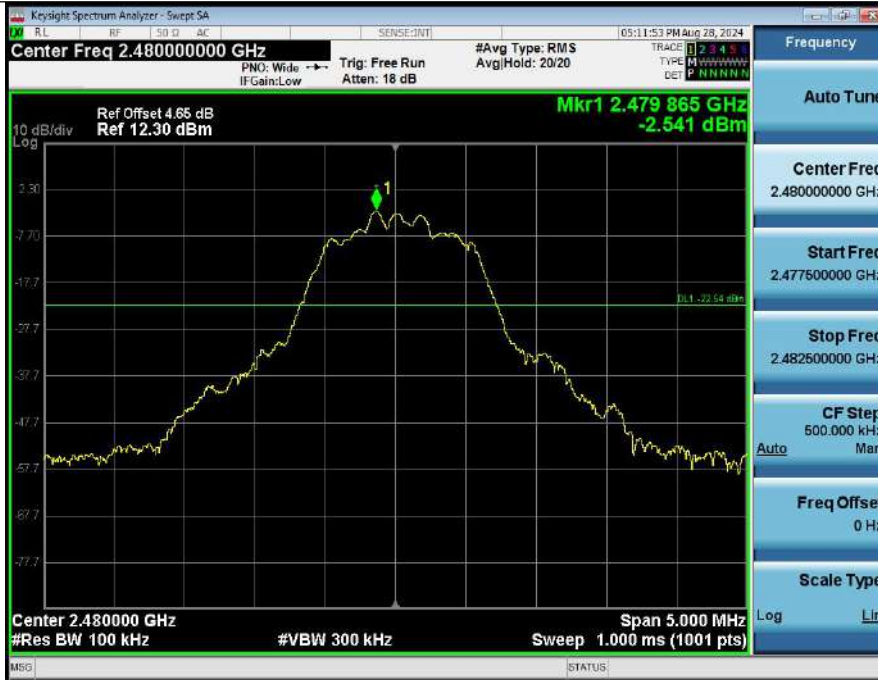
1 Reference_Level_NVNT_ANT1_3-DH1_2441_00



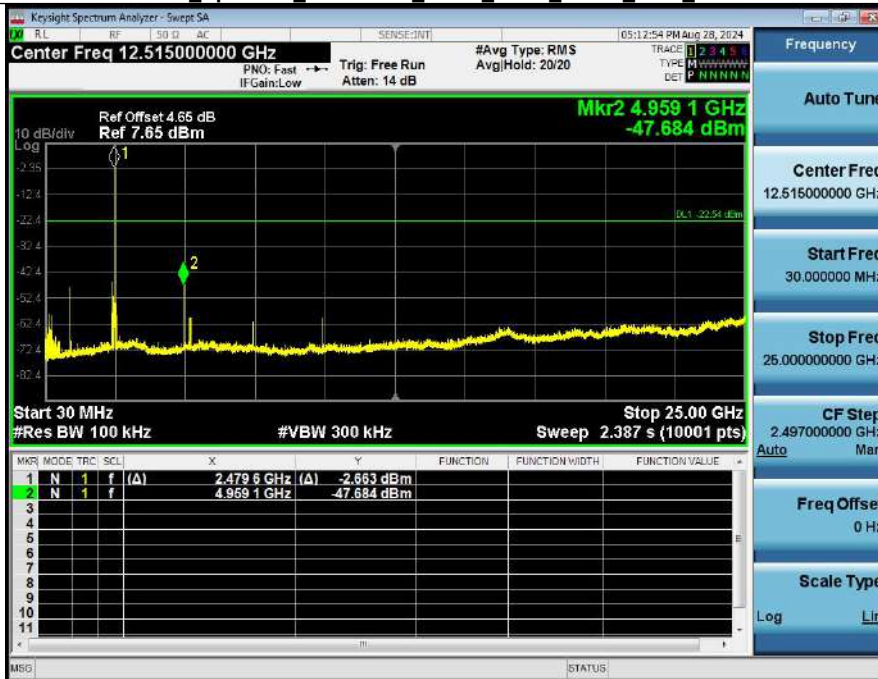
2 Spurious Emissions_NVNT_ANT1_3-DH1_2441_00



1 Reference_Level_NVNT_ANT1_3-DH1_2480_00



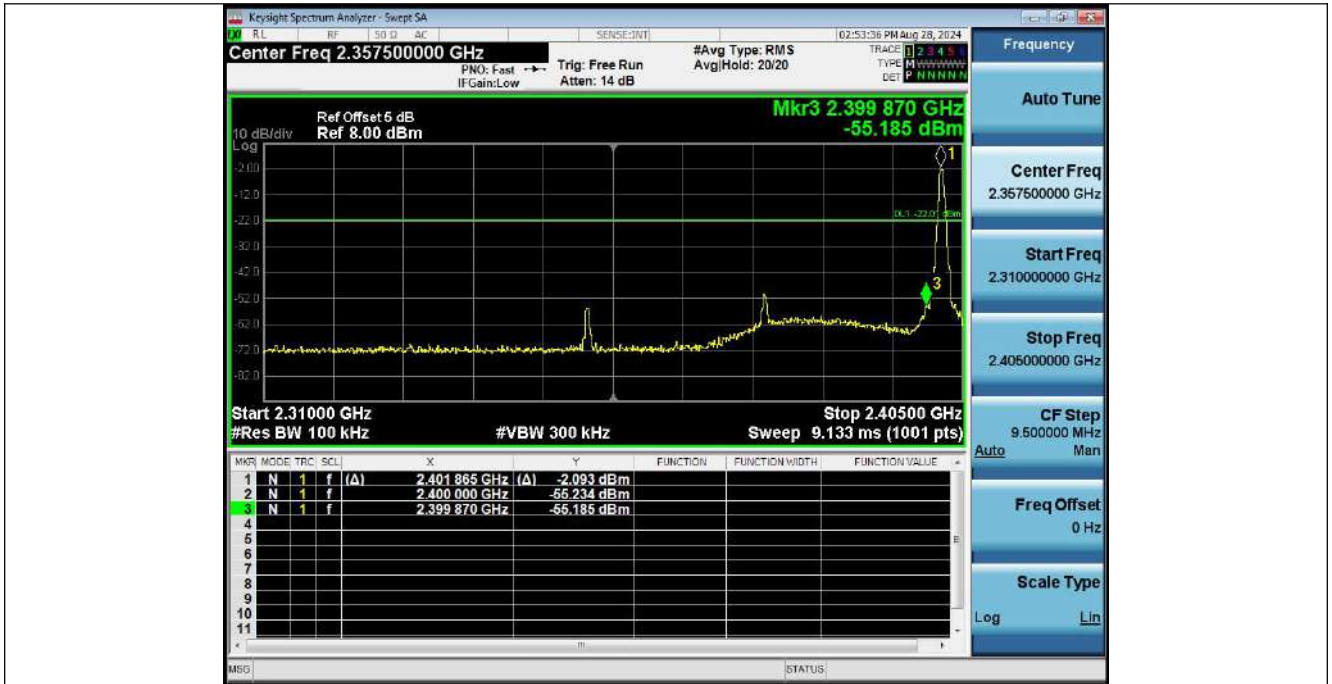
2 Spurious Emissions_NVNT_ANT1_3-DH1_2480_00



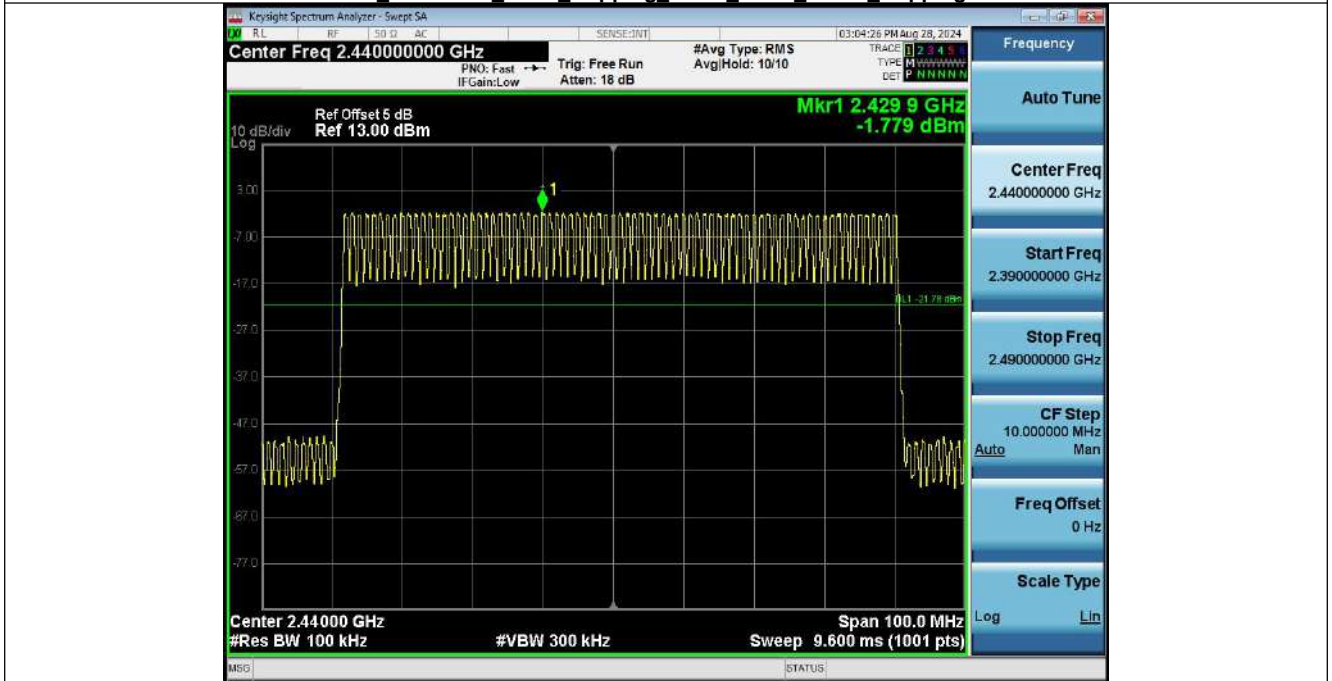
5. Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-55.185	-22.012	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-50.315	-21.779	Pass
NVNT	ANT1	1-DH1	2480.00	-58.943	-22.566	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-50.411	-22.102	Pass
NVNT	ANT1	2-DH1	2402.00	-53.983	-21.981	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-50.021	-21.725	Pass
NVNT	ANT1	2-DH1	2480.00	-57.766	-22.524	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-50.061	-22.020	Pass
NVNT	ANT1	3-DH1	2402.00	-53.422	-21.948	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-50.260	-21.699	Pass
NVNT	ANT1	3-DH1	2480.00	-58.650	-22.541	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-51.015	-22.061	Pass

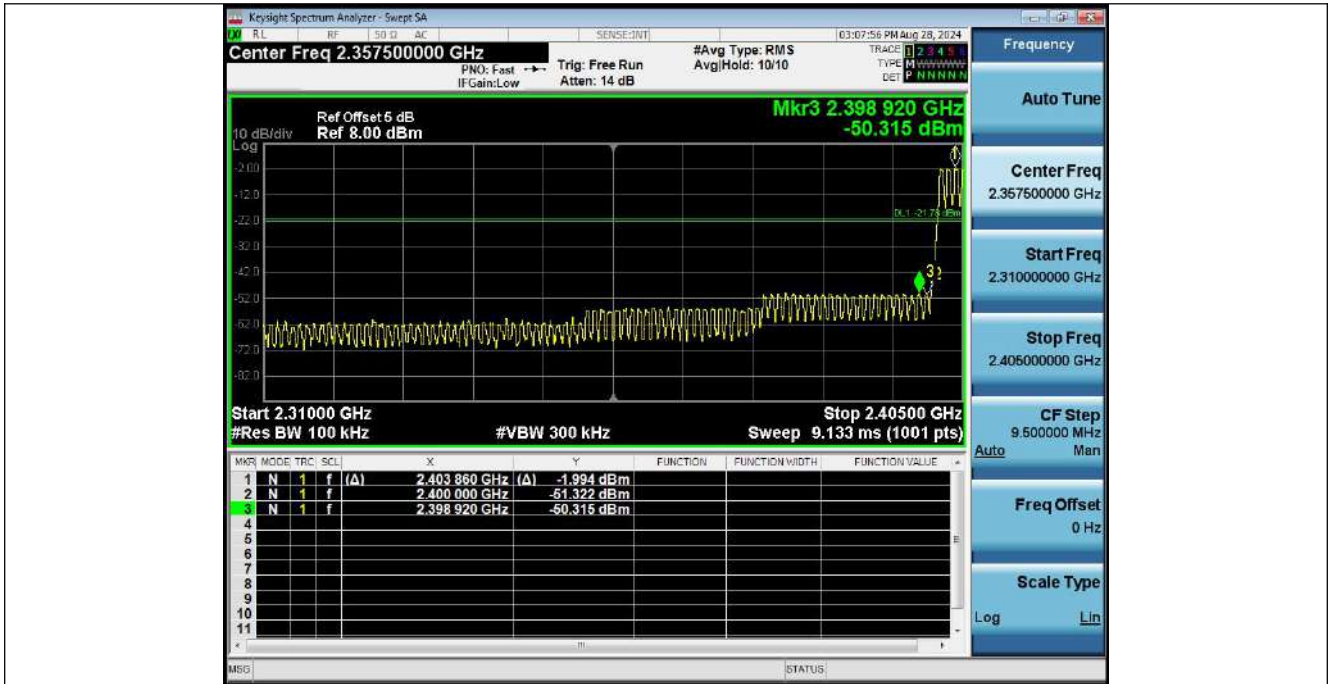




1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping



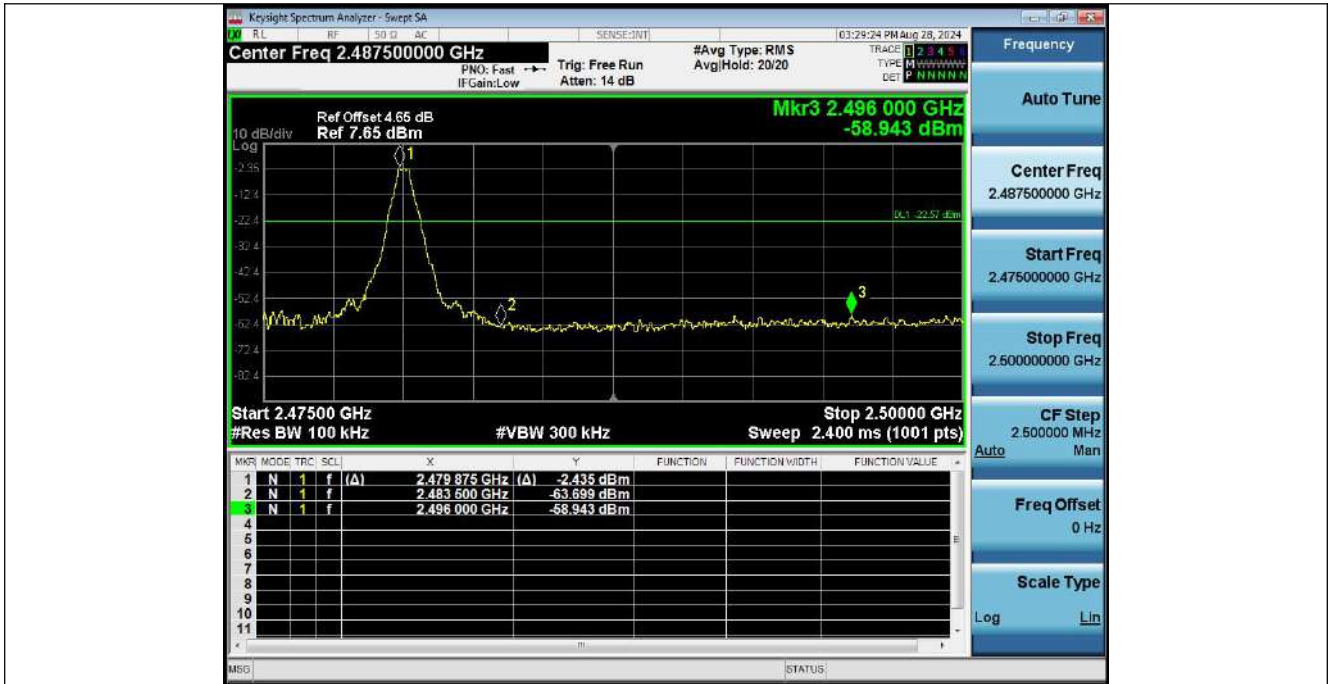
2 Band Edge (Hopping) NVNT ANT1 1-DH1 Hopping



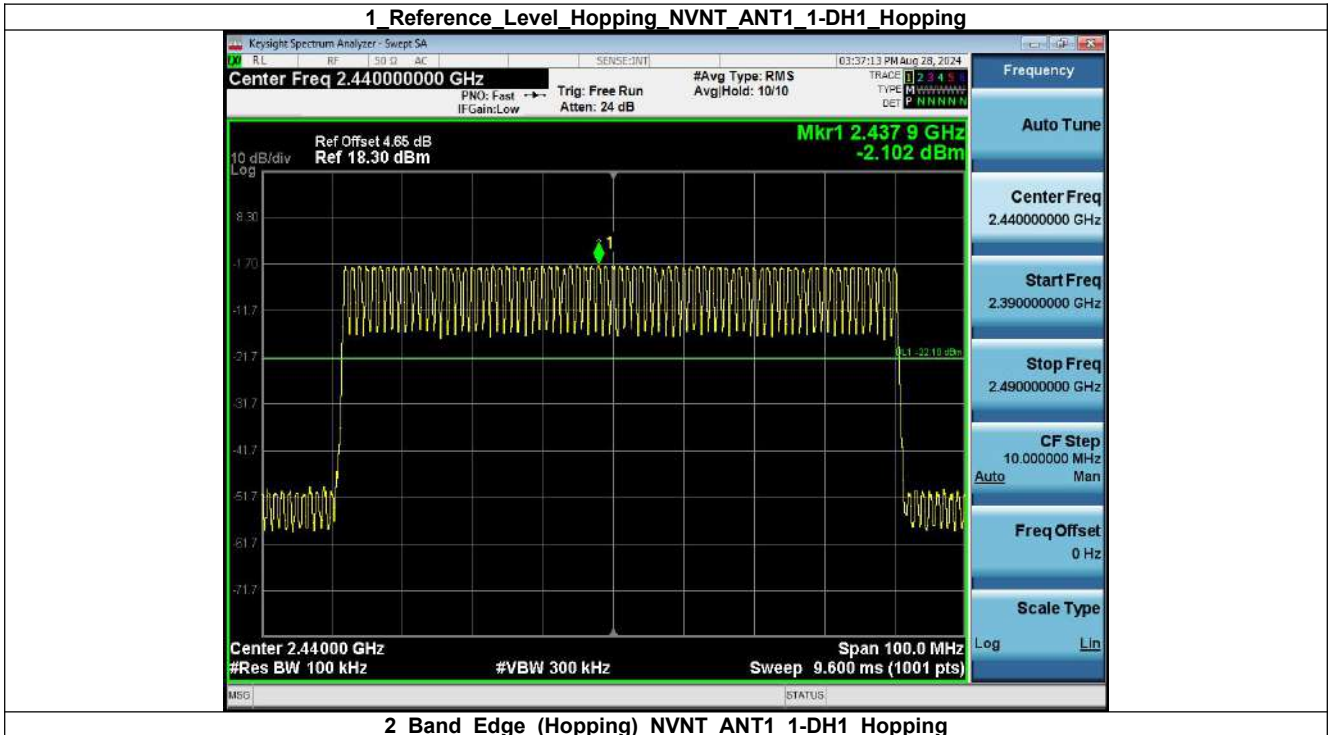
1 Reference Level NVNT ANT1 1-DH1 2480 00



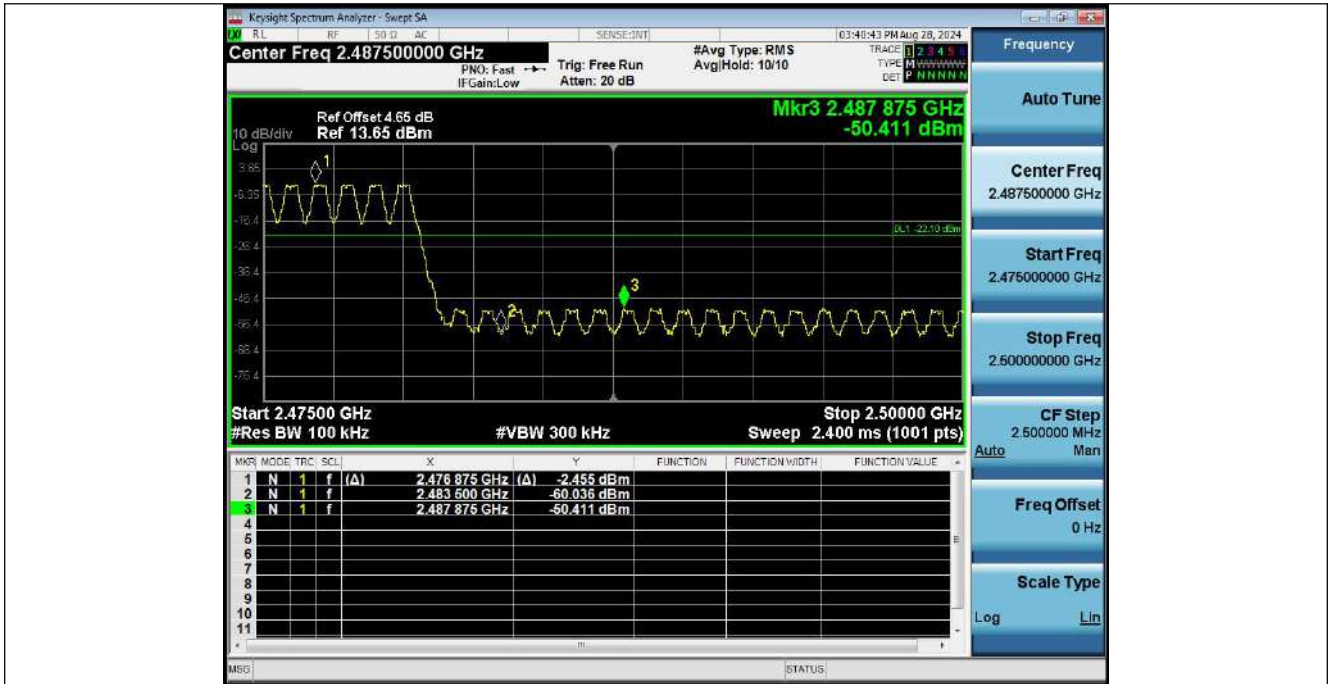
2 Bandedge NVNT ANT1 1-DH1 2480 00



1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping



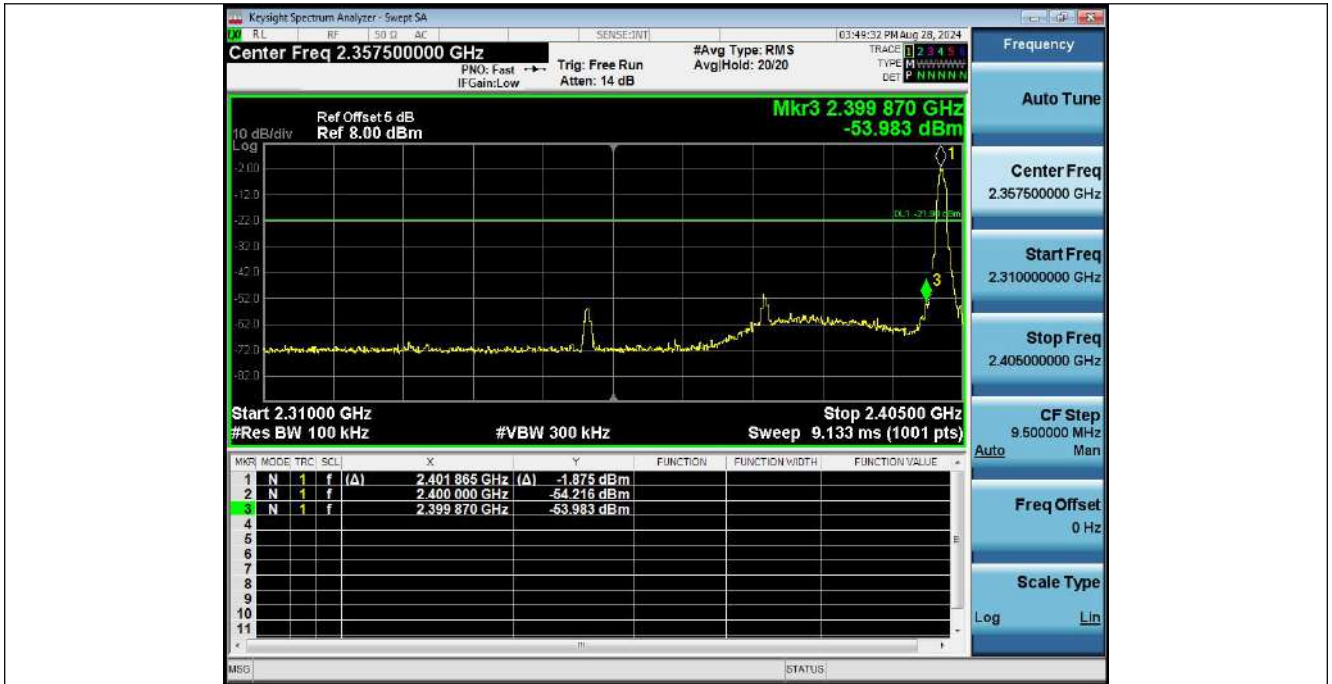
2 Band Edge (Hopping) NVNT ANT1 1-DH1 Hopping



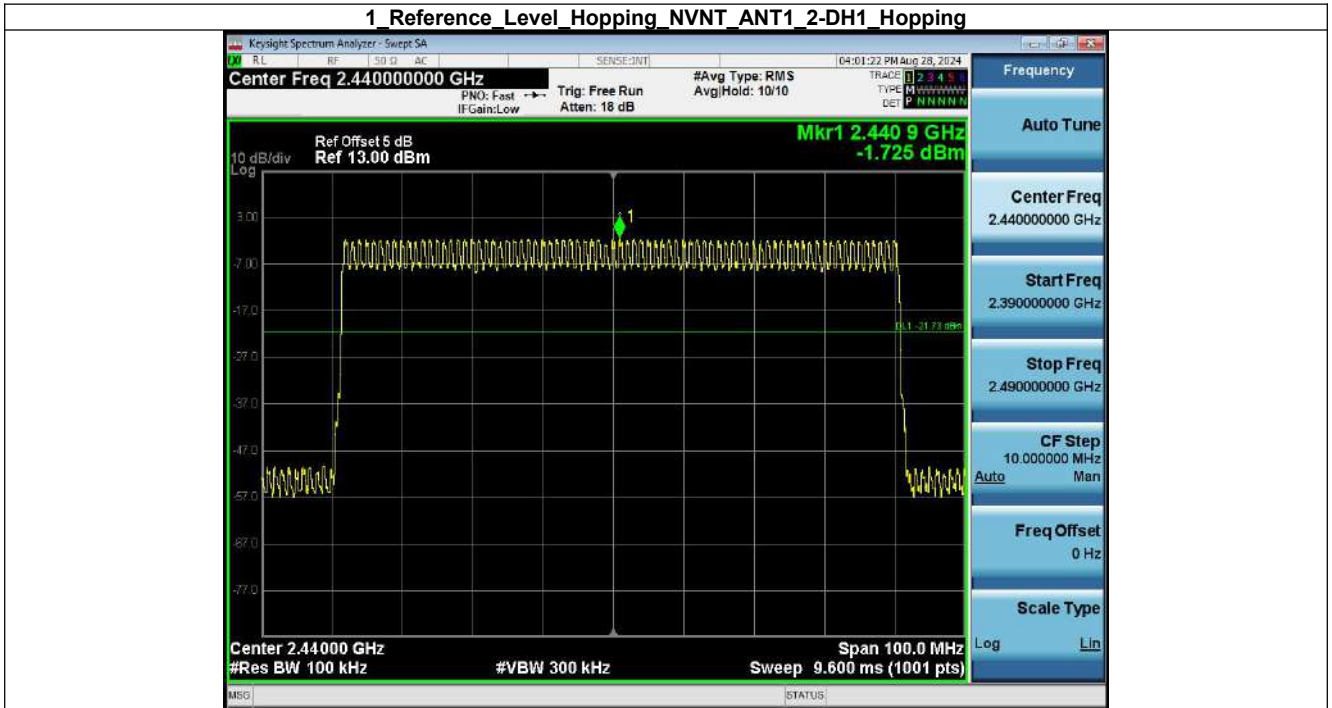
1 Reference Level NVNT ANT1 2-DH1 2402 00



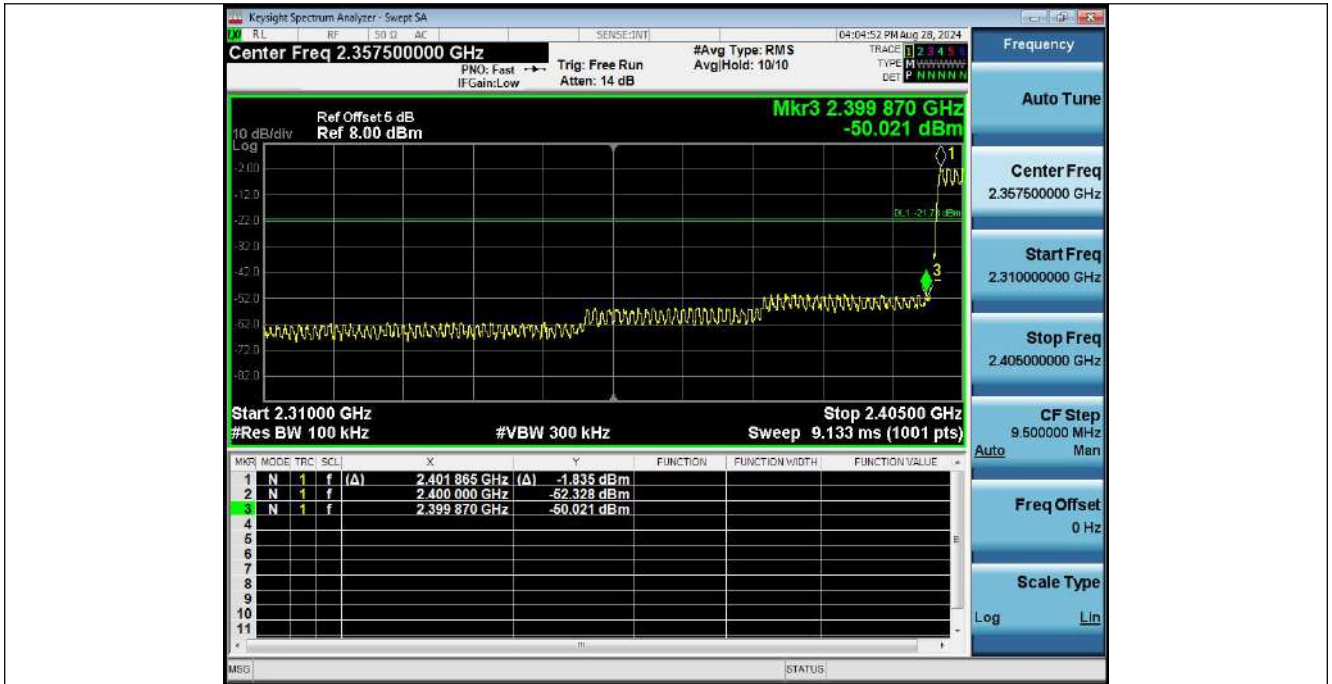
2 Bandedge NVNT ANT1 2-DH1 2402 00



1 Reference Level Hopping NVNT ANT1 2-DH1 Hopping



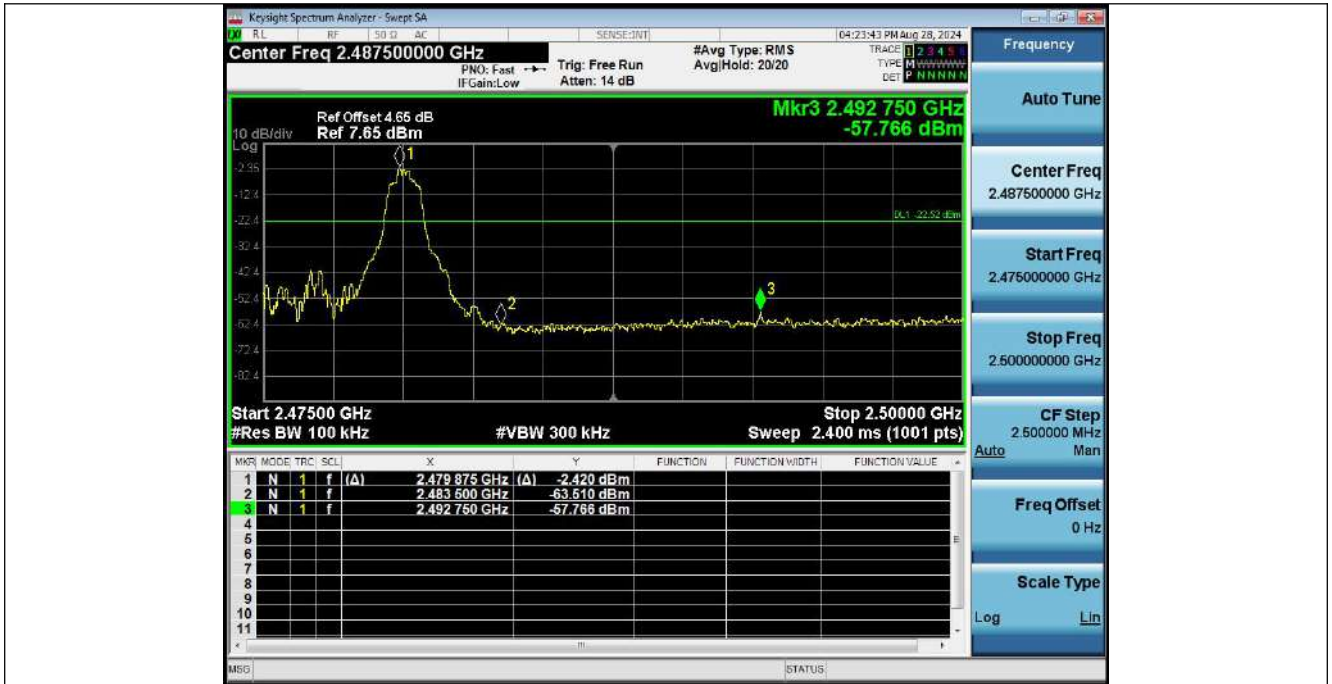
2 Band Edge (Hopping) NVNT ANT1 2-DH1 Hopping



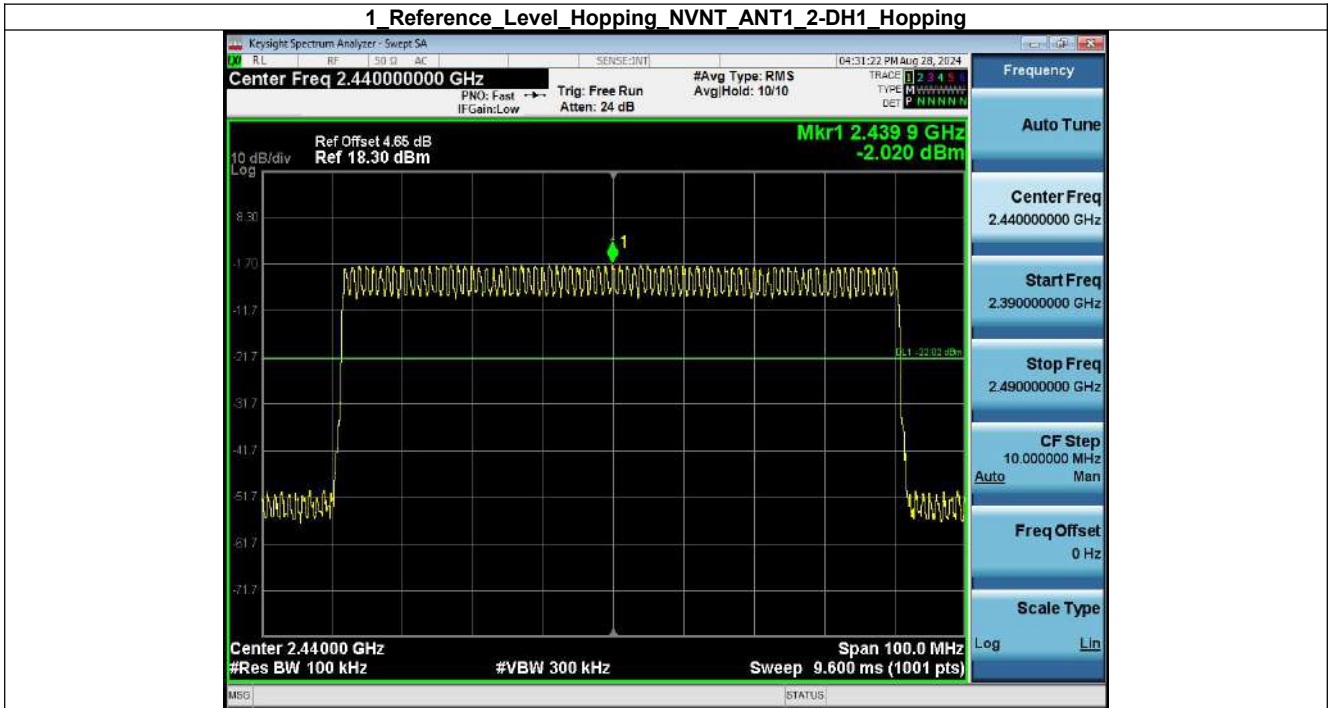
1 Reference Level NVNT ANT1 2-DH1 2480 00



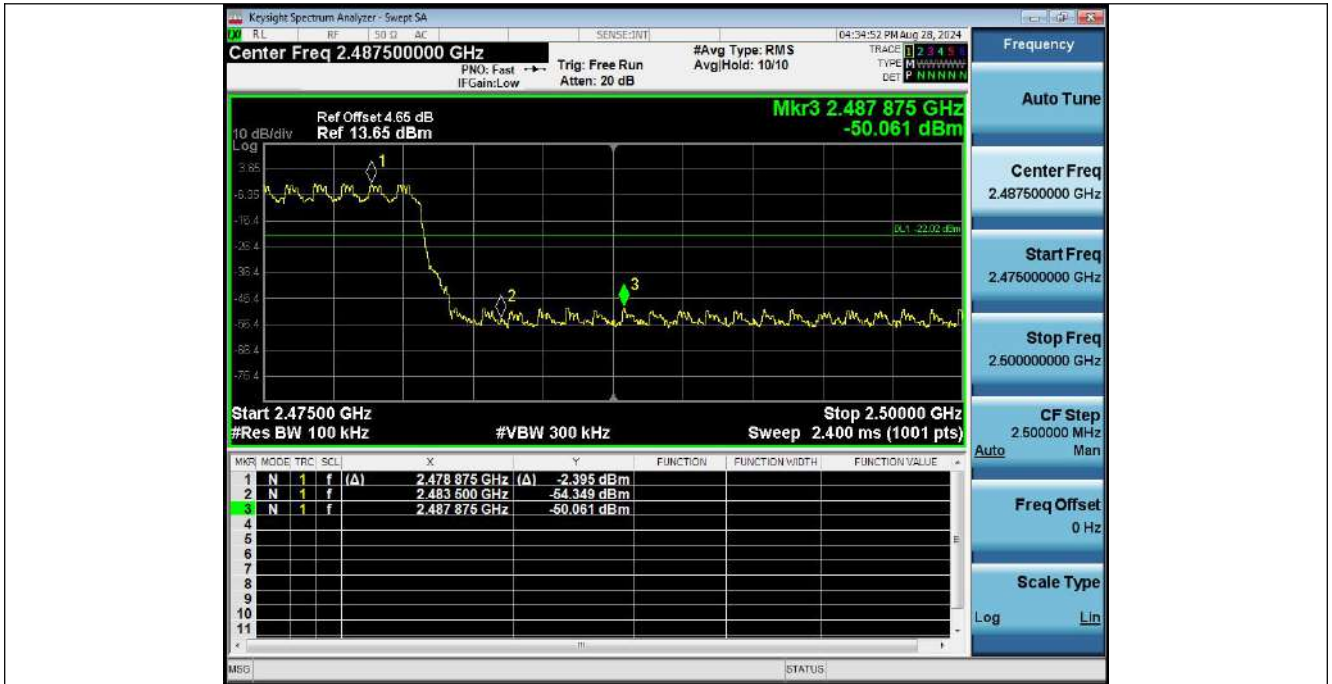
2 Bandedge NVNT ANT1 2-DH1 2480 00



1 Reference Level Hopping NVNT ANT1 2-DH1 Hopping



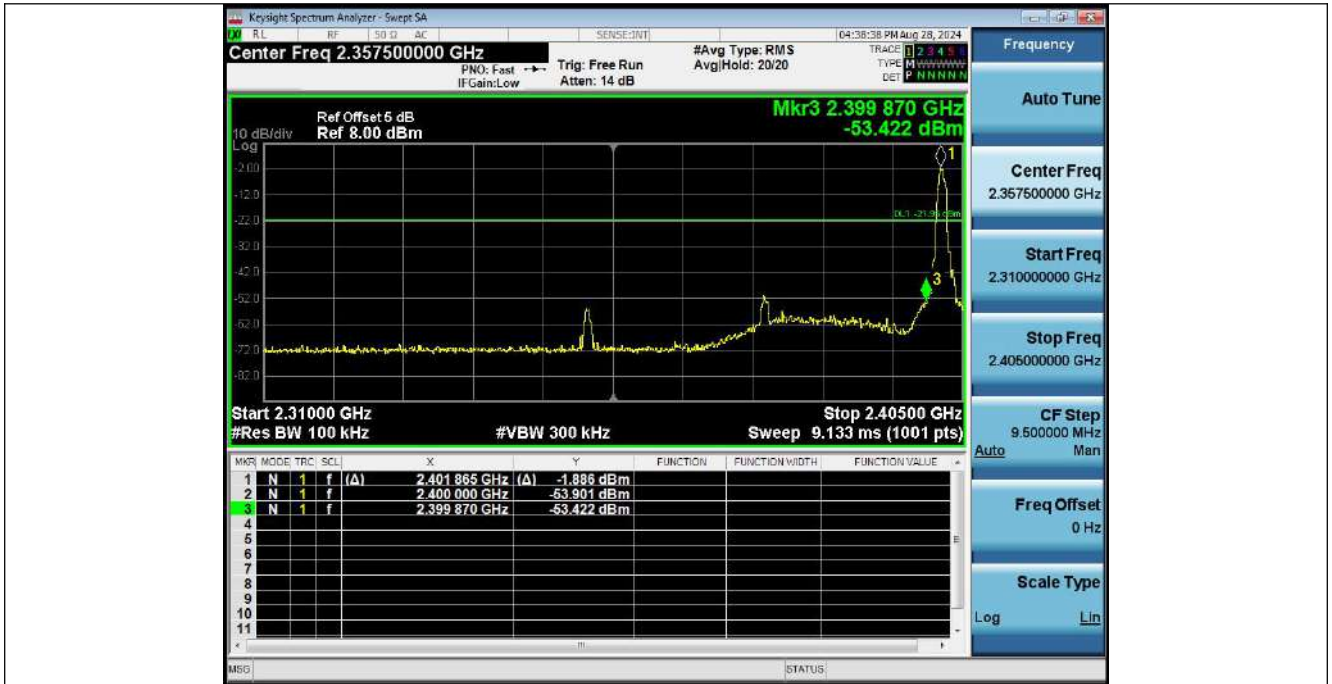
2 Band Edge (Hopping) NVNT ANT1 2-DH1 Hopping



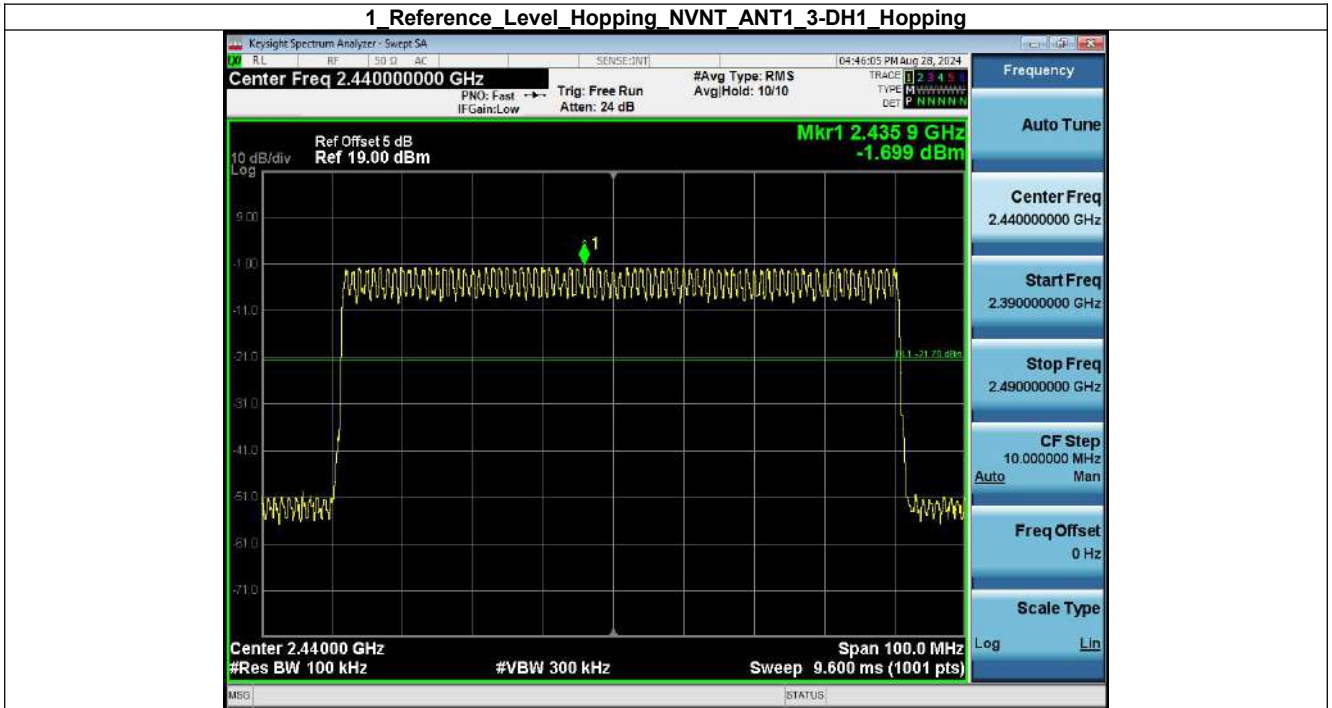
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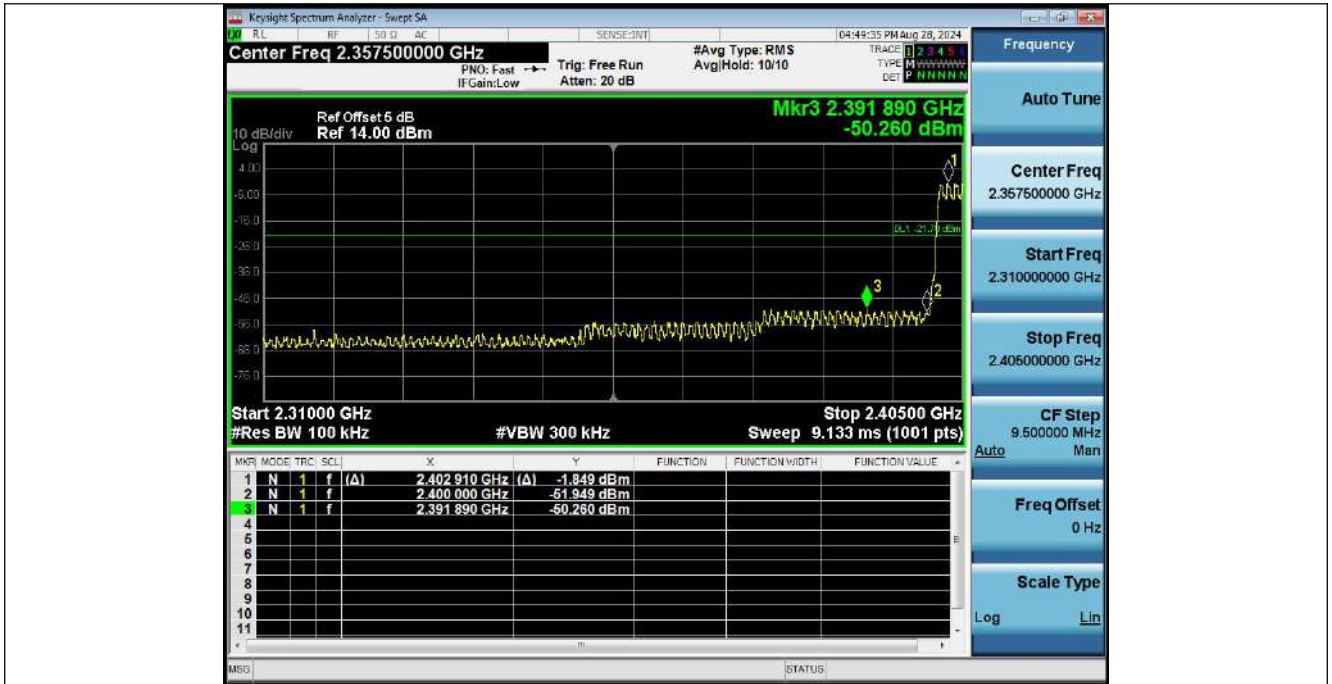
2 Bandedge NVNT ANT1 3-DH1 2402 00



1 Reference Level Hopping NVNT ANT1 3-DH1 Hopping



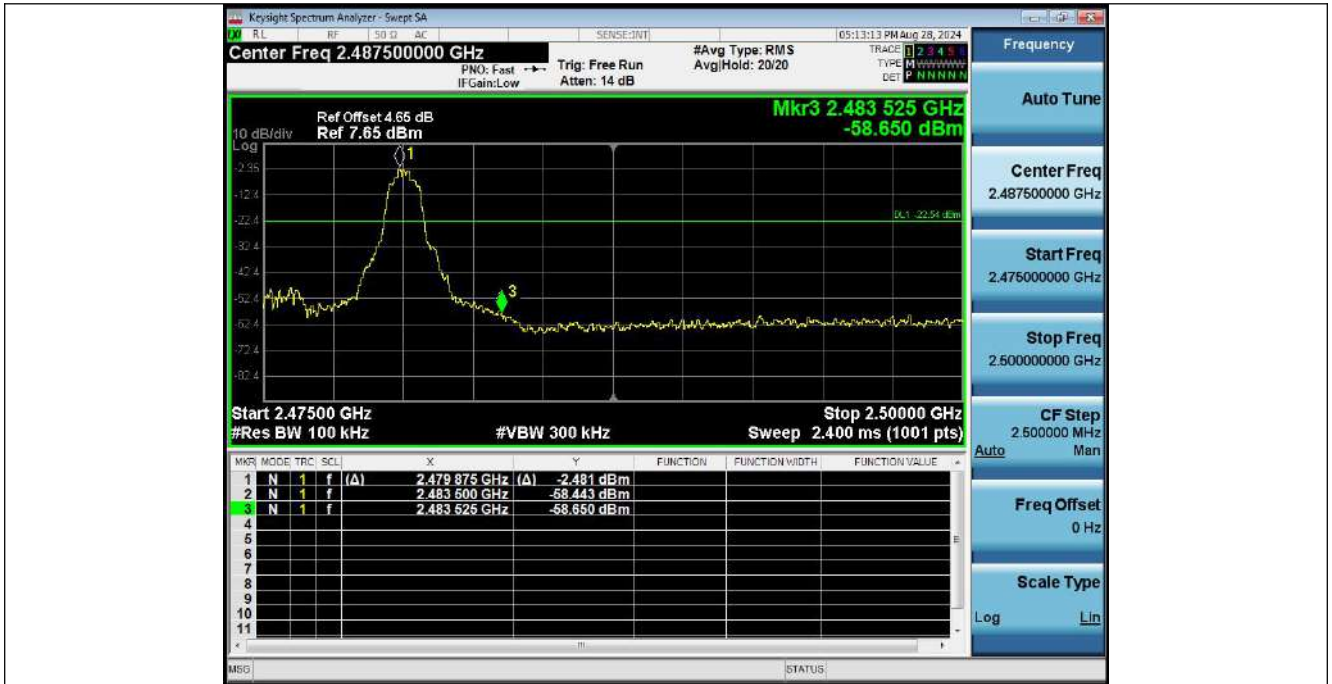
2 Band Edge (Hopping) NVNT ANT1 3-DH1 Hopping



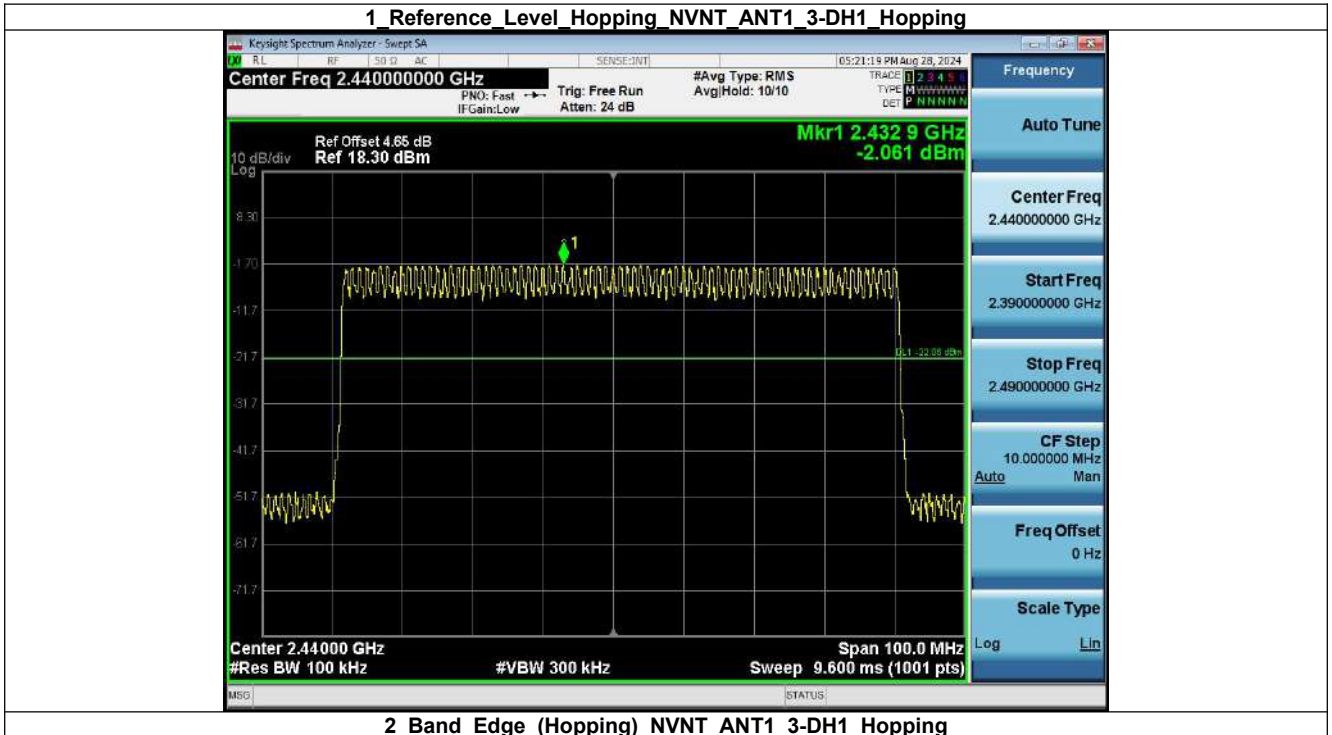
1 Reference Level NVNT ANT1 3-DH1 2480 00



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



6. 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	2401.858	2402.854	1.00	0.683	Pass
NVNT	ANT1	1-DH1	2441.00	2440.861	2441.860	1.00	0.691	Pass
NVNT	ANT1	1-DH1	2480.00	2478.864	2479.854	0.99	0.691	Pass
NVNT	ANT1	2-DH1	2402.00	2401.855	2402.854	1.00	0.864	Pass
NVNT	ANT1	2-DH1	2441.00	2440.855	2441.860	1.00	0.861	Pass
NVNT	ANT1	2-DH1	2480.00	2478.867	2479.866	1.00	0.858	Pass
NVNT	ANT1	3-DH1	2402.00	2401.858	2402.857	1.00	0.839	Pass
NVNT	ANT1	3-DH1	2441.00	2440.858	2441.857	1.00	0.835	Pass
NVNT	ANT1	3-DH1	2480.00	2478.858	2479.860	1.00	0.843	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_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

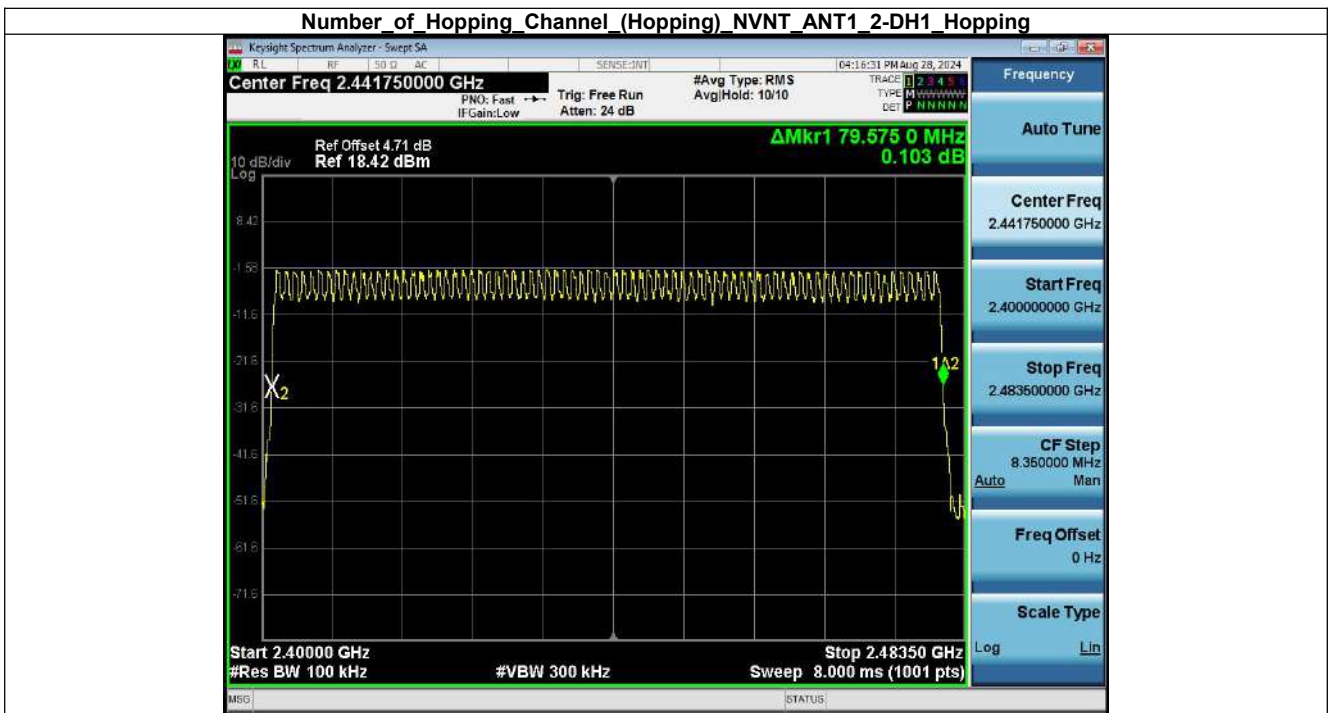
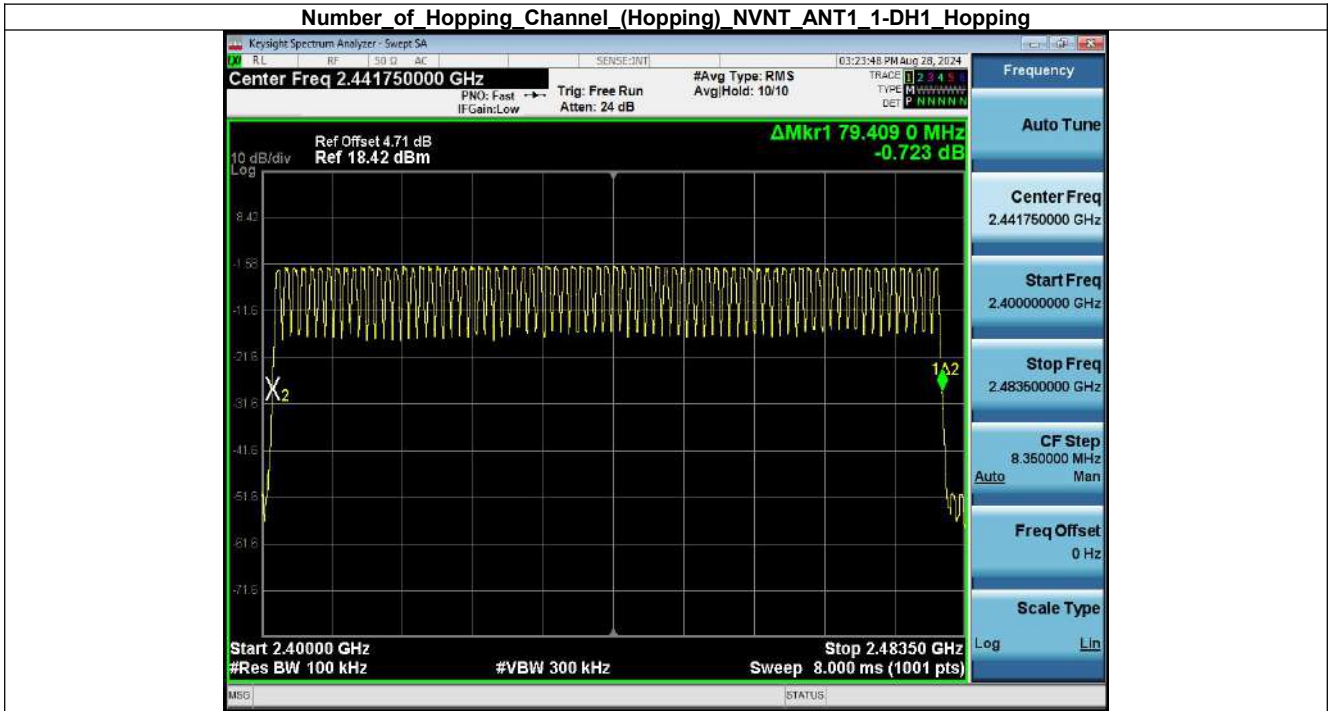


Carrier Frequencies Separation (Hopping) NVNT ANT1 3-DH1 Hopping

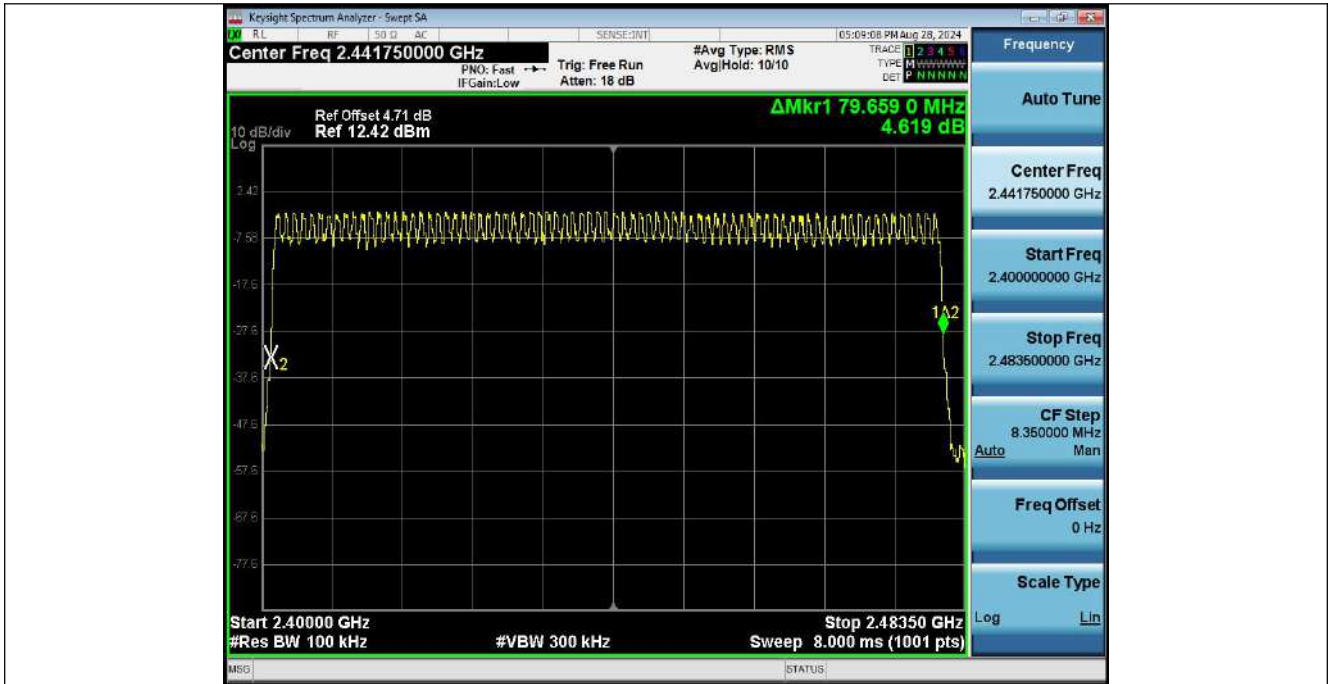


7. Number of Hopping Channel (Hopping)

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



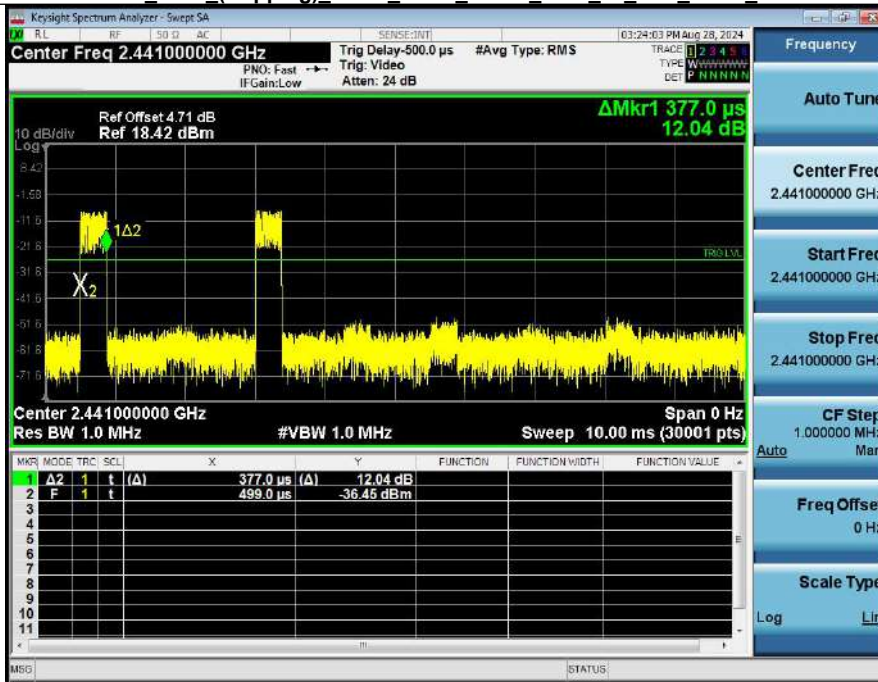
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping



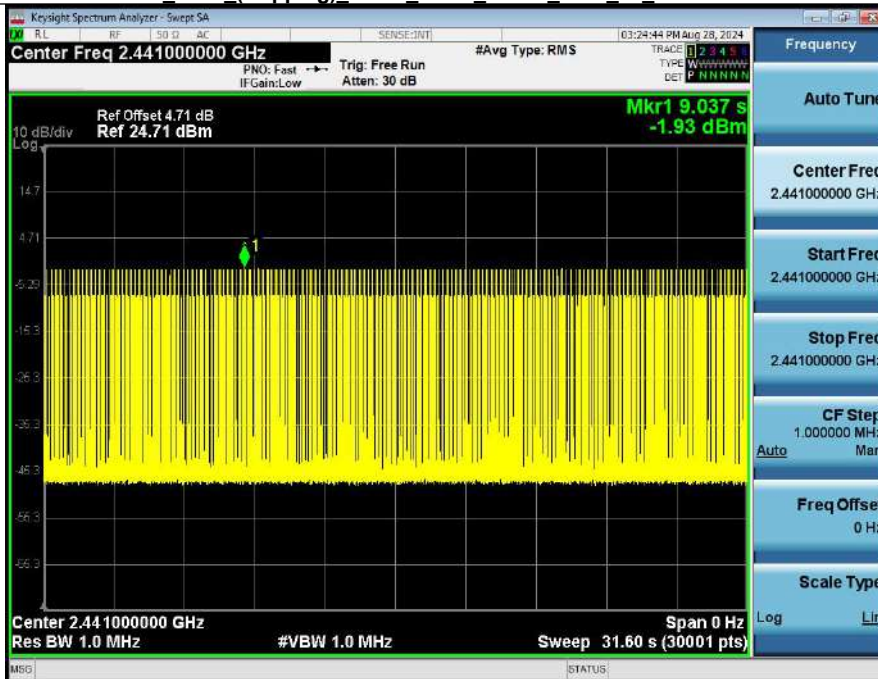
8. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.377	320.00	120.640	0.40	Pass
NVNT	ANT1	2-DH1	0.387	320.00	123.840	0.40	Pass
NVNT	ANT1	3-DH1	0.388	319.00	123.772	0.40	Pass
NVNT	ANT1	1-DH3	1.633	158.00	258.014	0.40	Pass
NVNT	ANT1	1-DH5	2.881	115.00	331.315	0.40	Pass
NVNT	ANT1	2-DH3	1.639	161.00	263.879	0.40	Pass
NVNT	ANT1	2-DH5	2.887	103.00	297.361	0.40	Pass
NVNT	ANT1	3-DH3	1.638	164.00	268.632	0.40	Pass
NVNT	ANT1	3-DH5	2.889	108.00	312.012	0.40	Pass

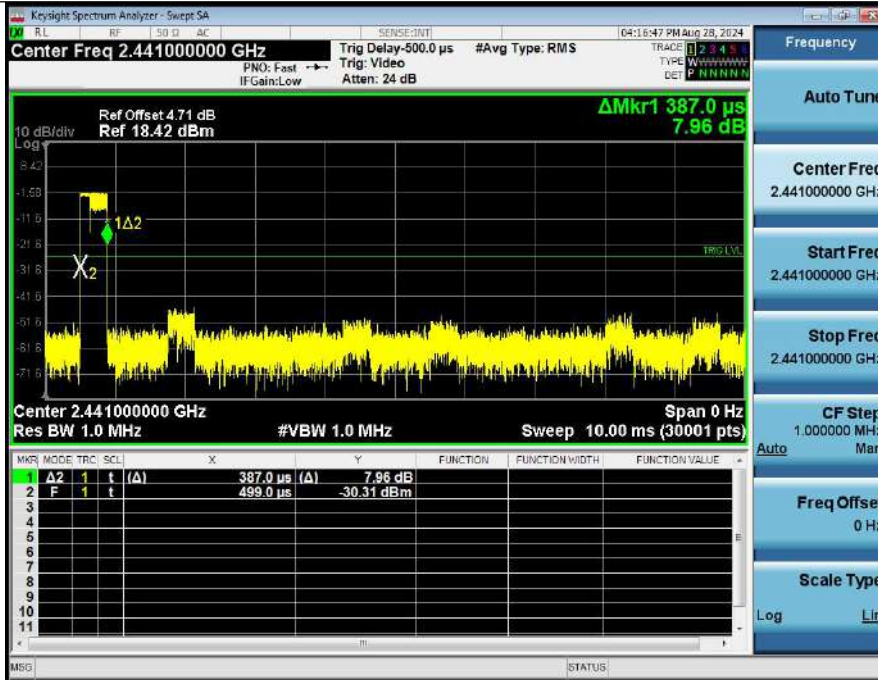
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 One Burst Time



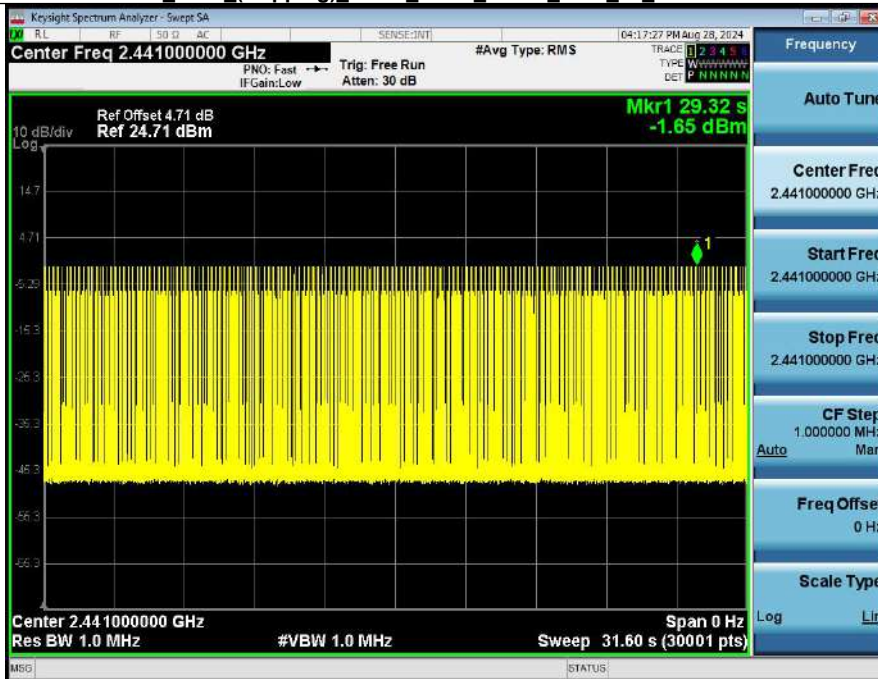
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 Accumulated



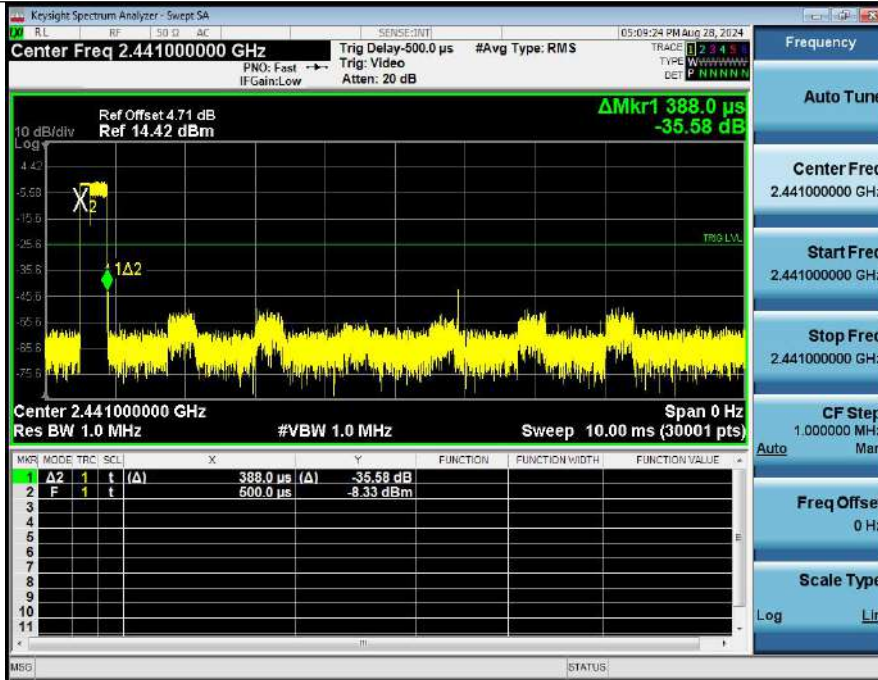
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 00 One Burst Time



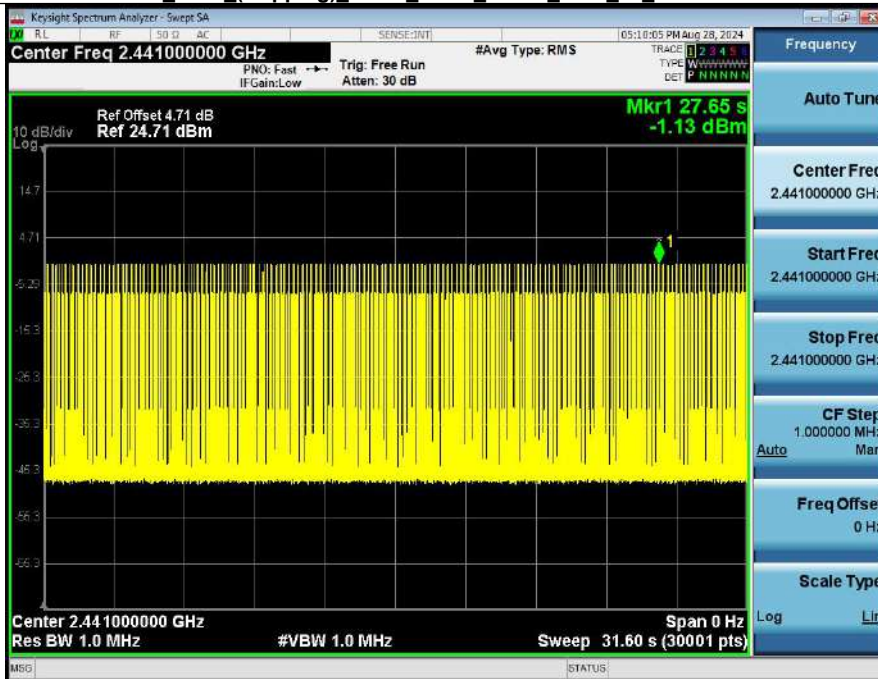
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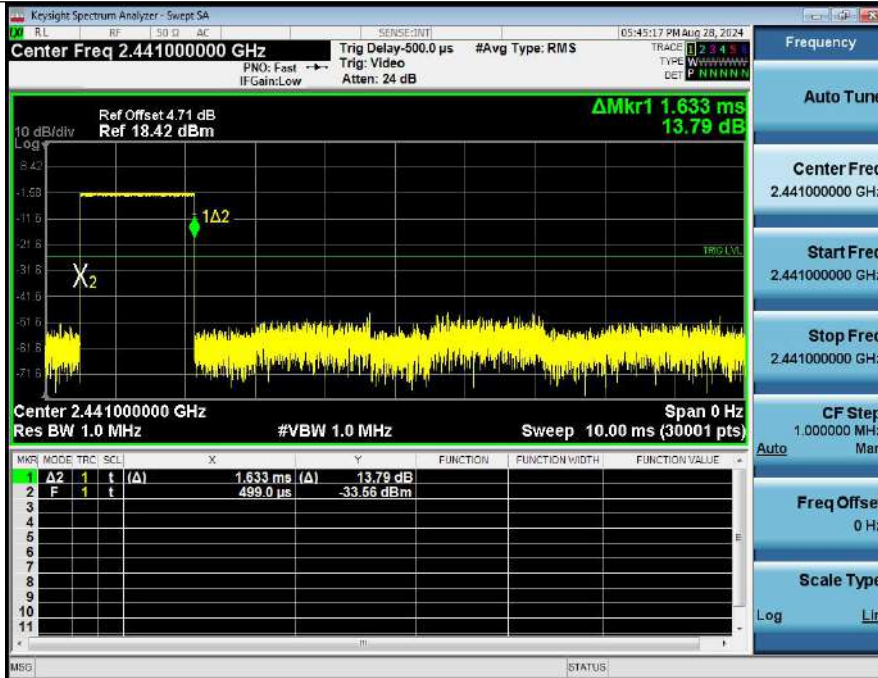
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_One Burst Time



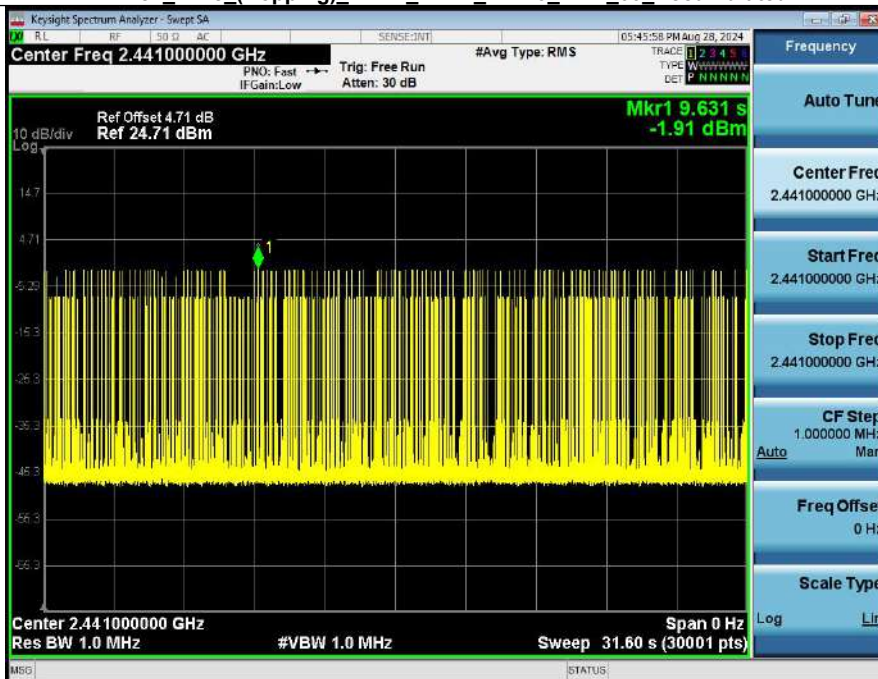
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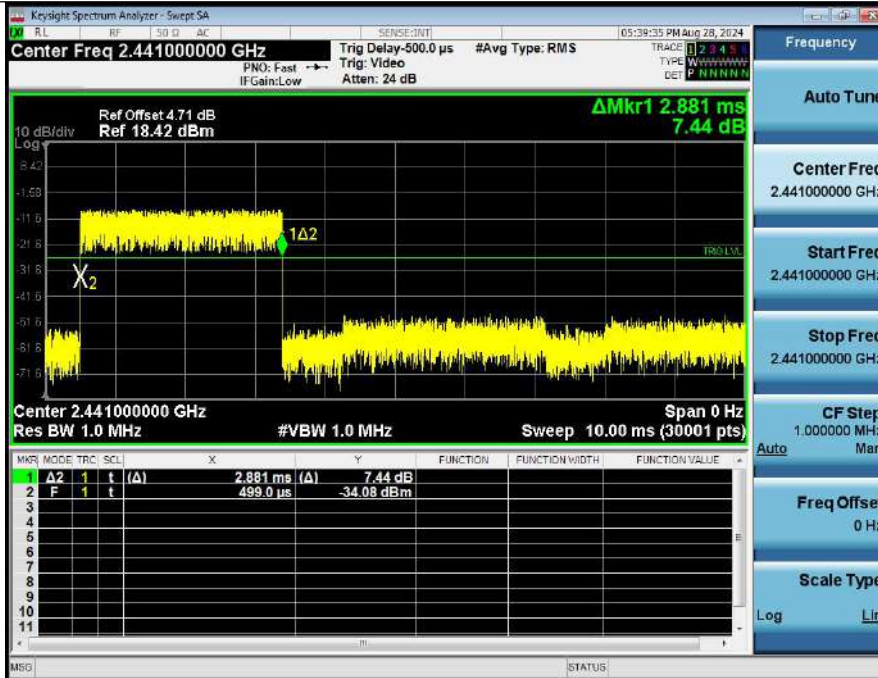
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_One Burst Time



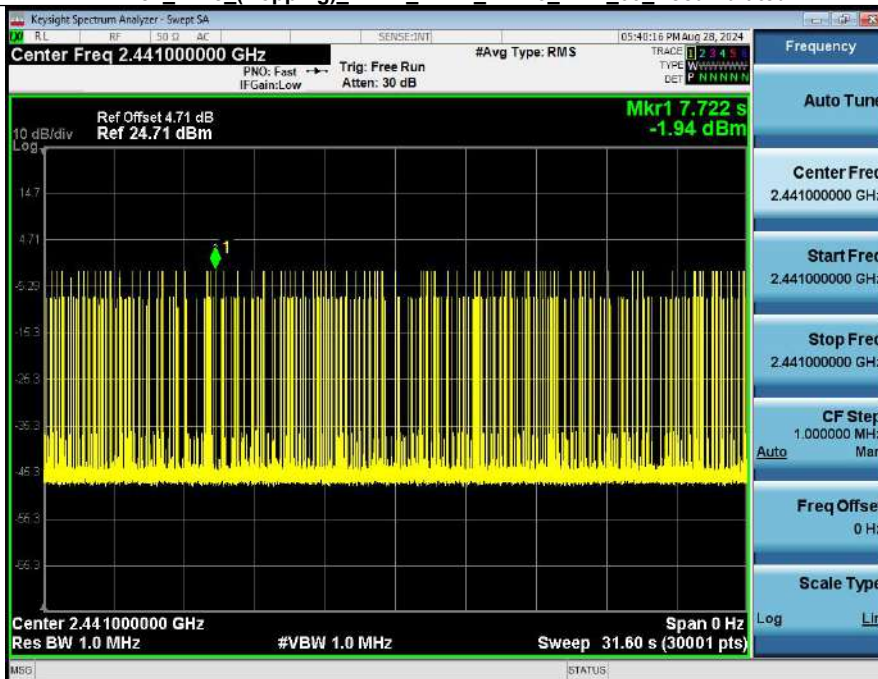
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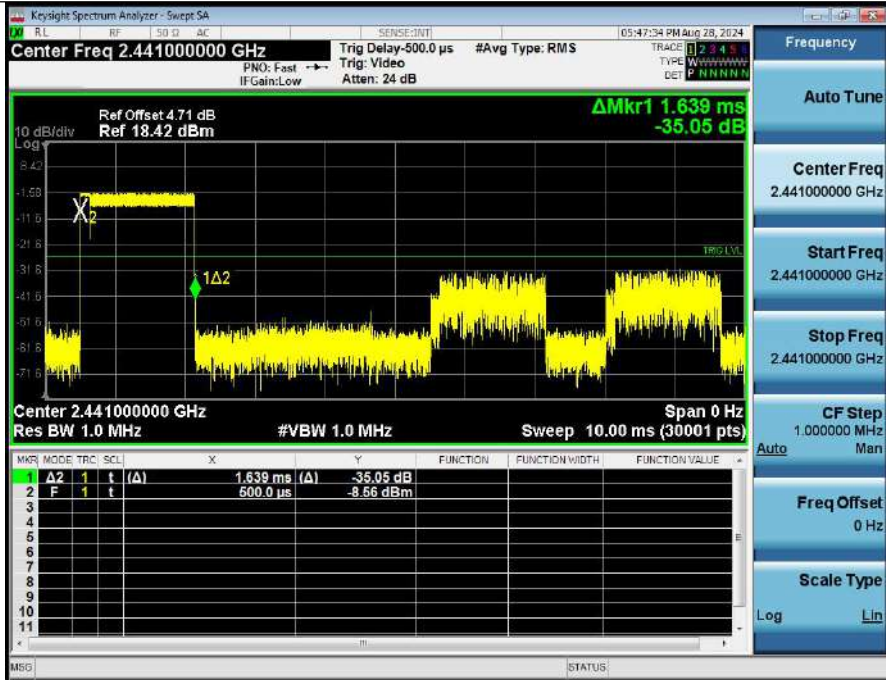
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_One Burst Time



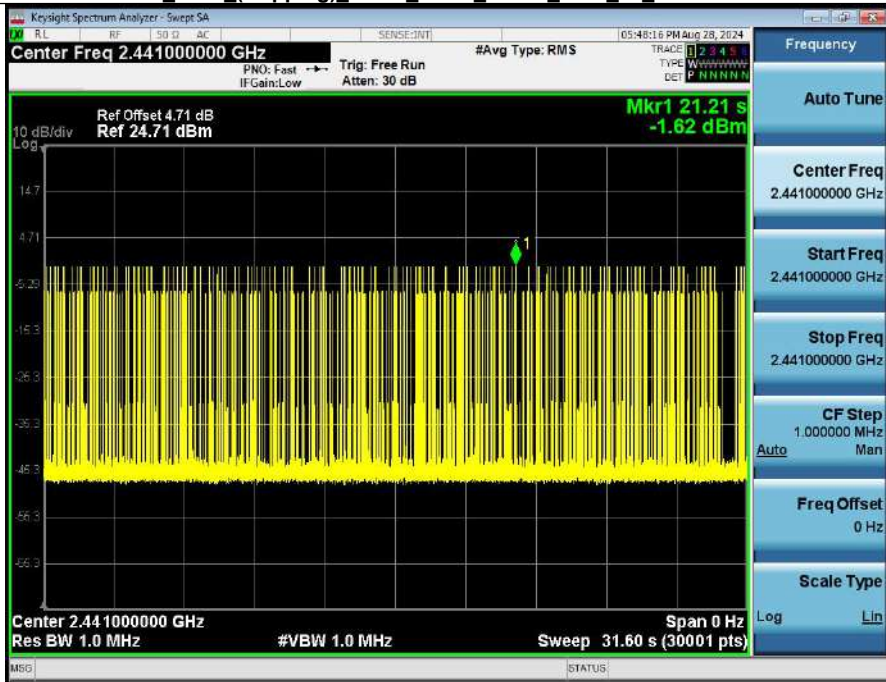
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated



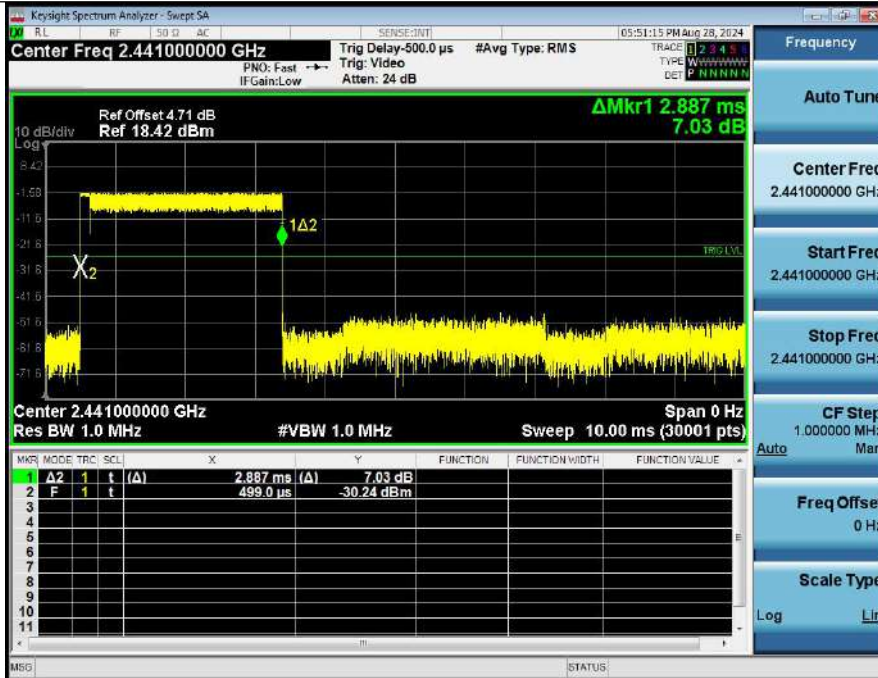
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_One Burst Time



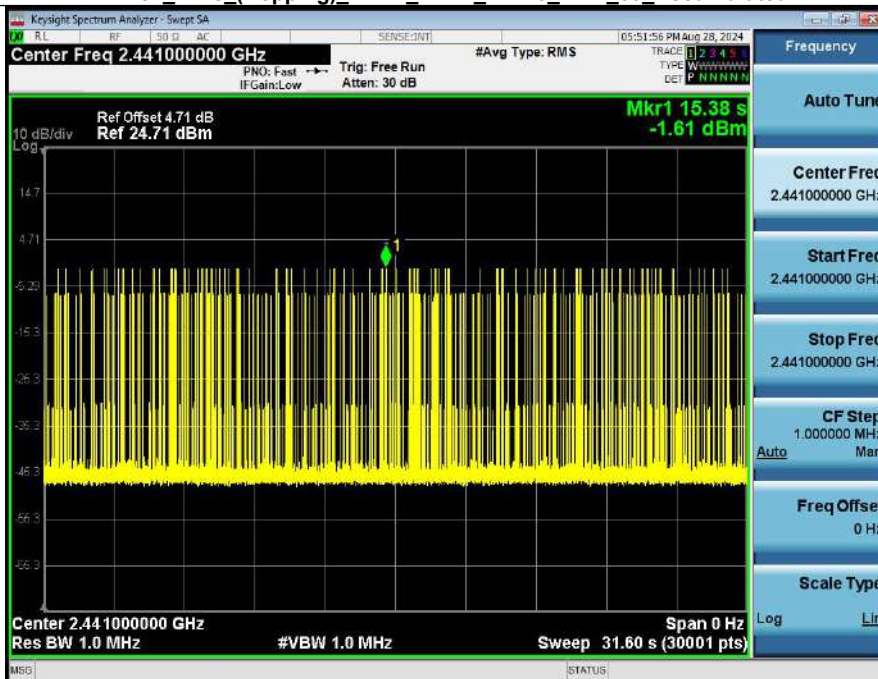
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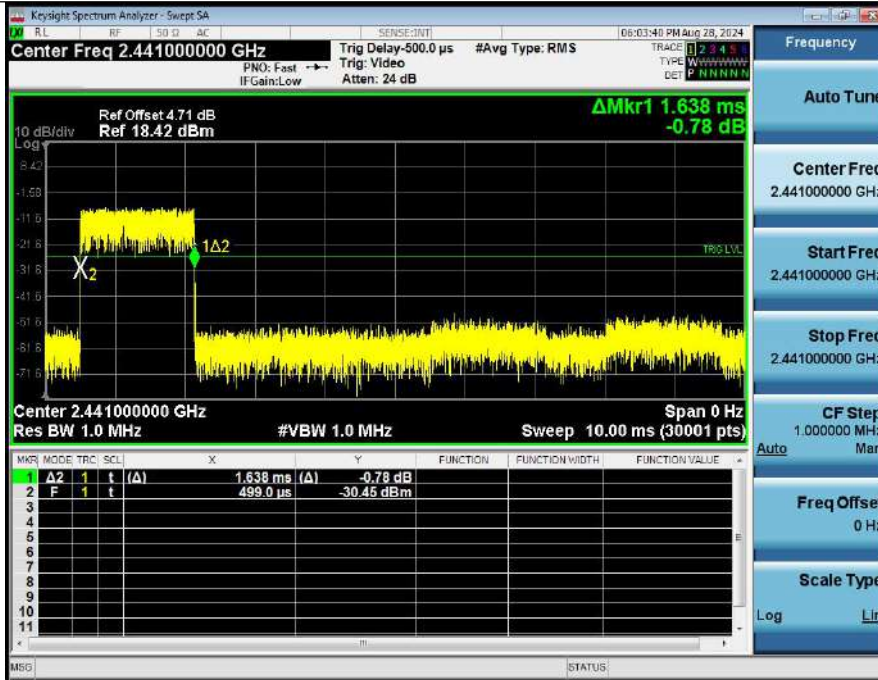
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_One Burst Time



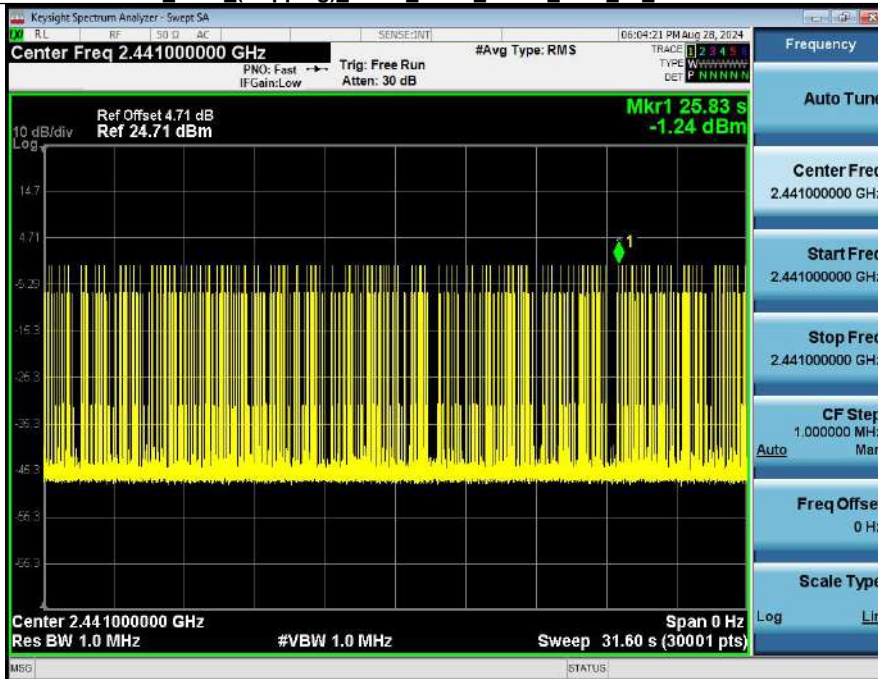
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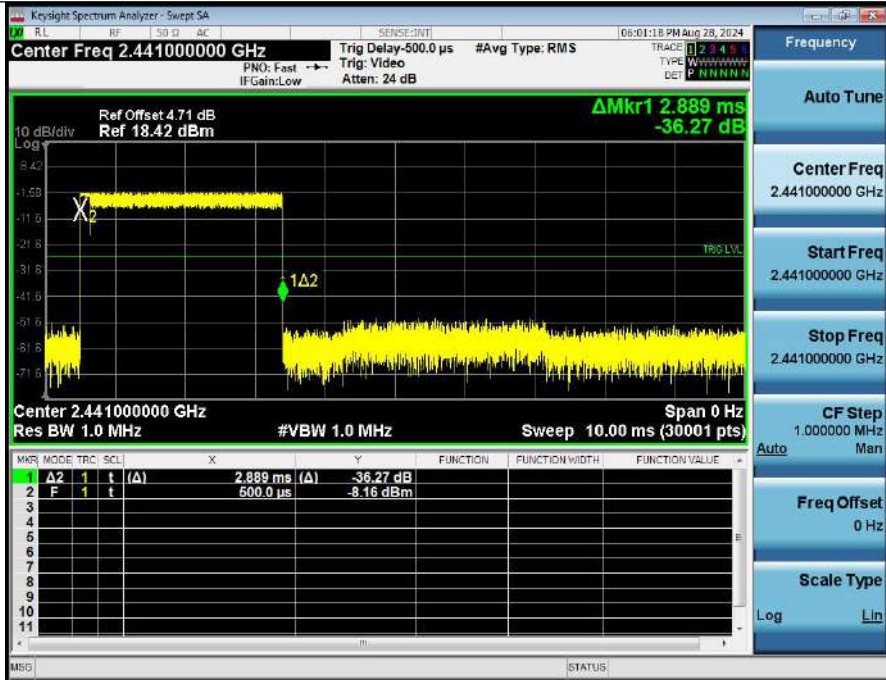
Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_One Burst Time



Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_One Burst Time



Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_Accumulated

