

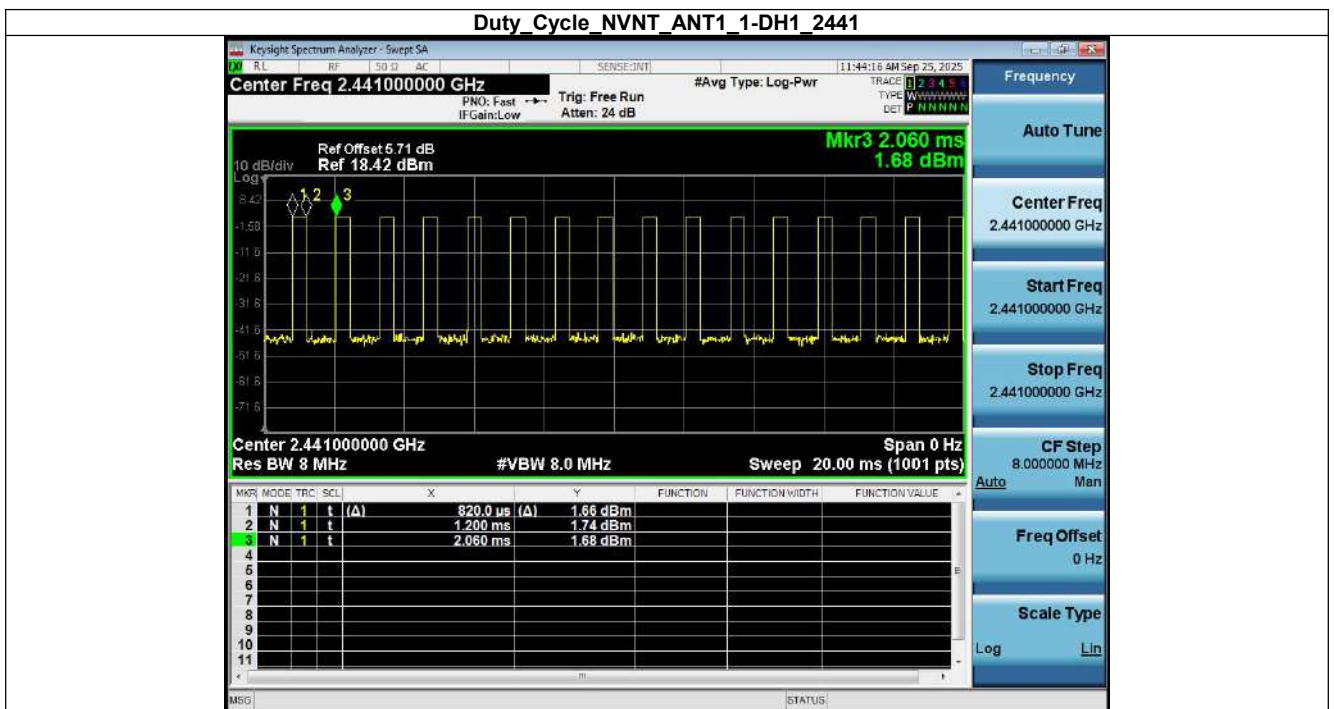
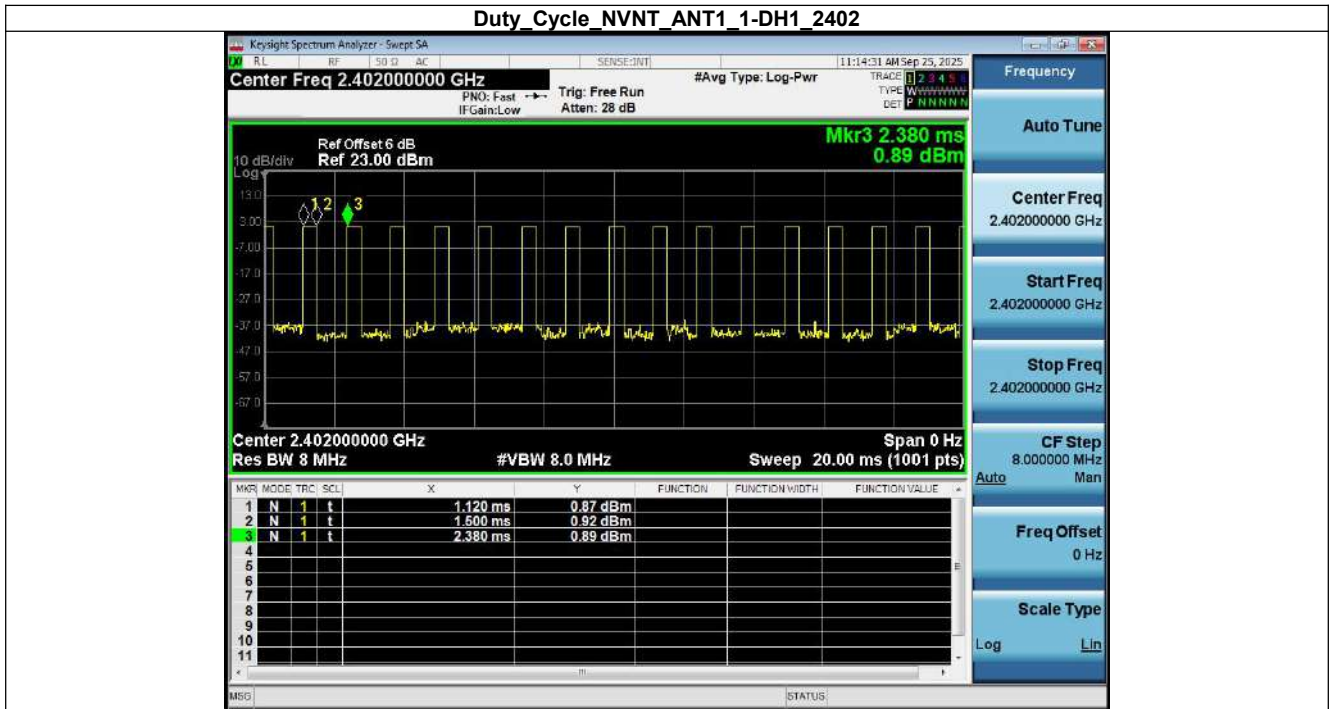
Report No.: NCT25039692E1-1
FCC ID:2BKTL-CHRM01
FCC_BT (Part15.247) Test Data

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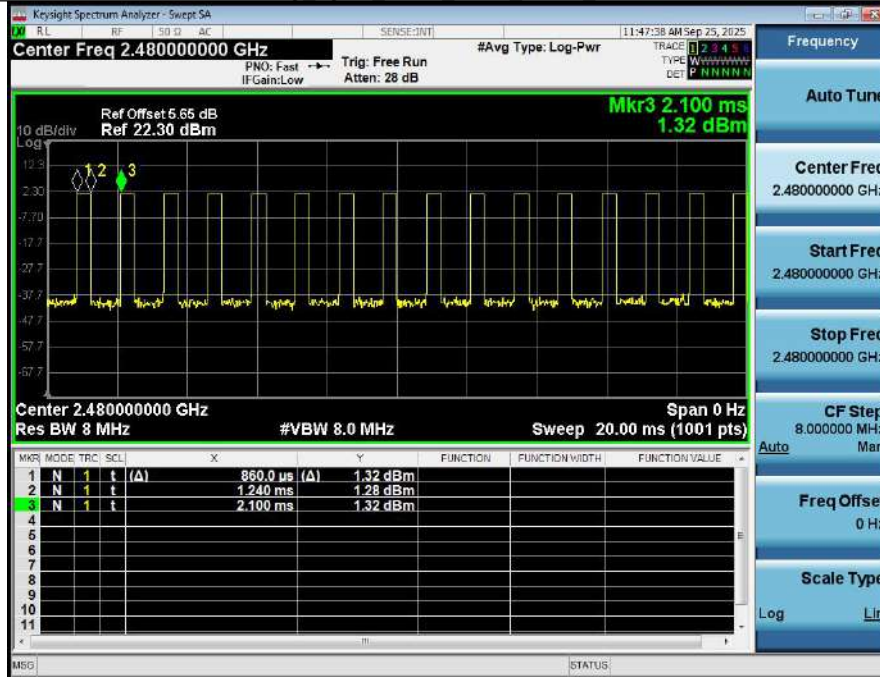
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1. Duty Cycle

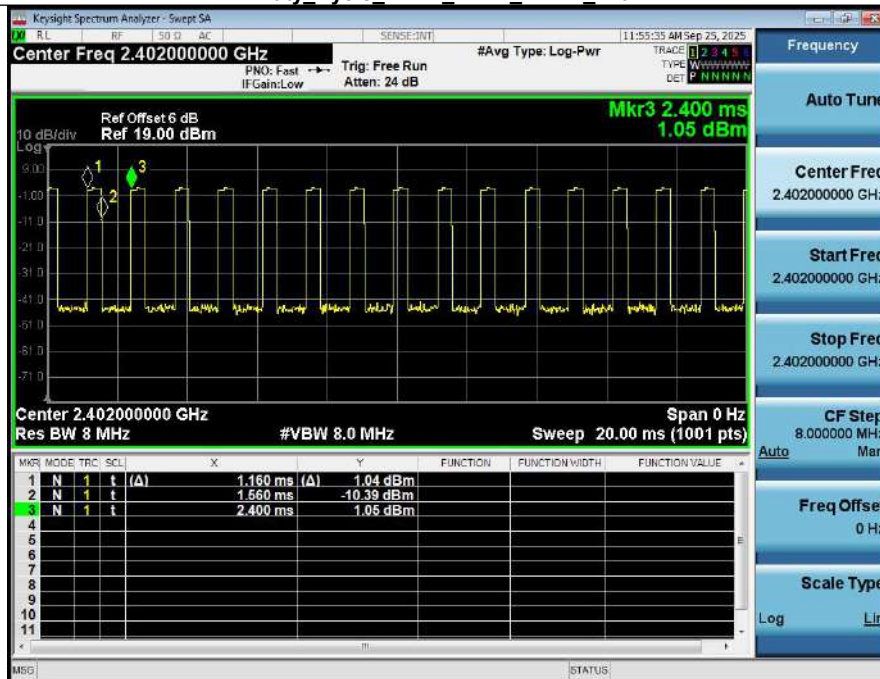
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	31.75	4.98
NVNT	ANT1	1-DH1	2441.00	30.65	5.14
NVNT	ANT1	1-DH1	2480.00	30.65	5.14
NVNT	ANT1	2-DH1	2402.00	33.87	4.70
NVNT	ANT1	2-DH1	2441.00	32.26	4.91
NVNT	ANT1	2-DH1	2480.00	31.75	4.98
NVNT	ANT1	3-DH1	2402.00	31.75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



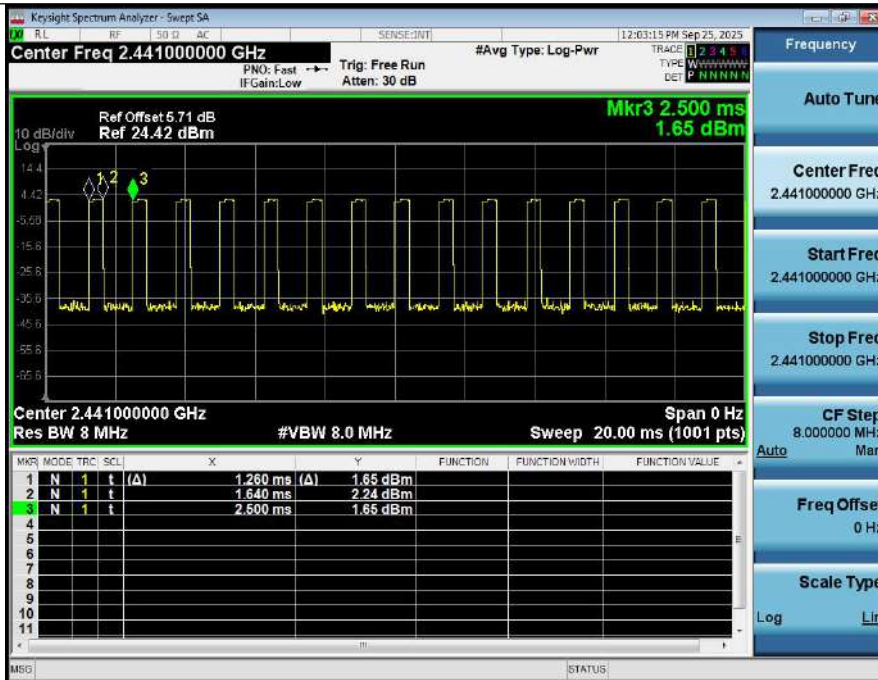
Duty Cycle_NVNT_ANT1_1-DH1_2480



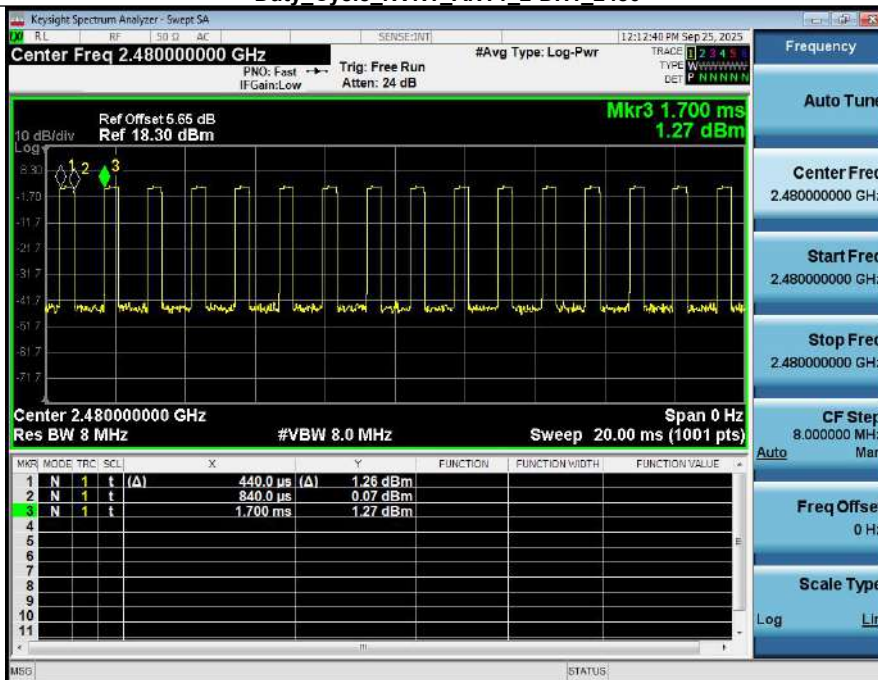
Duty Cycle_NVNT_ANT1_2-DH1_2402



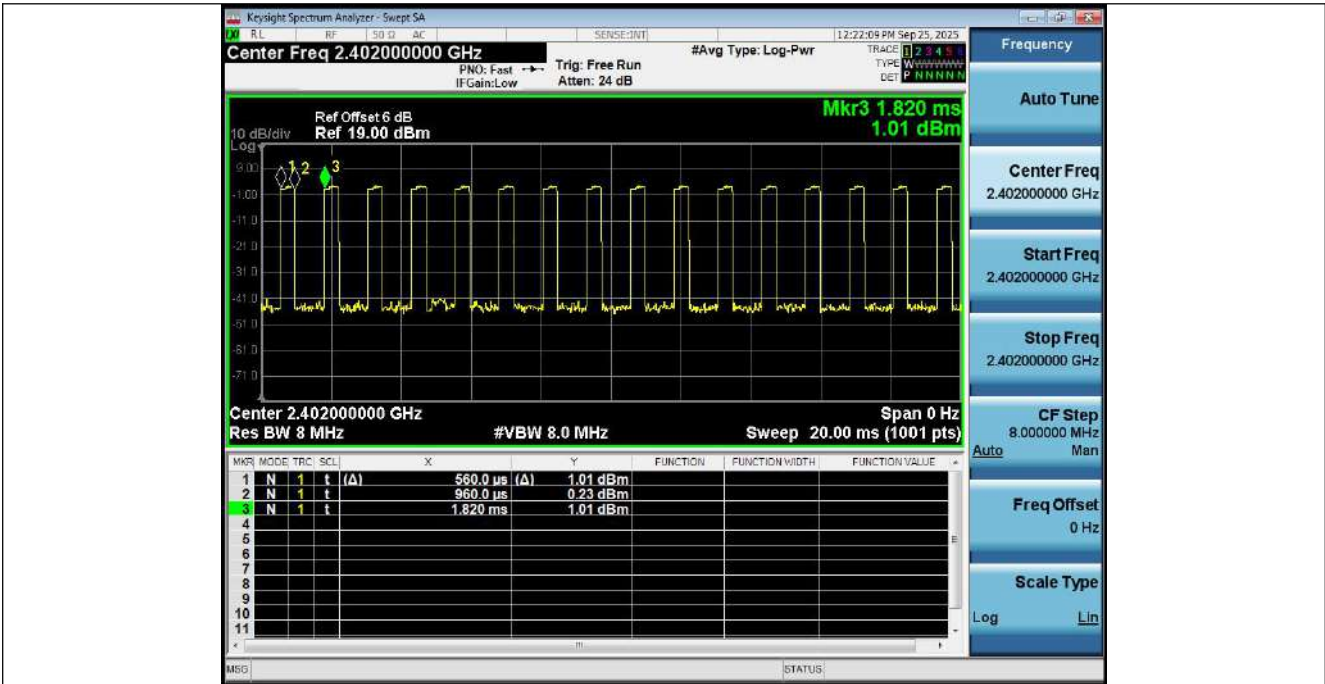
Duty Cycle_NVNT_ANT1_2-DH1_2441



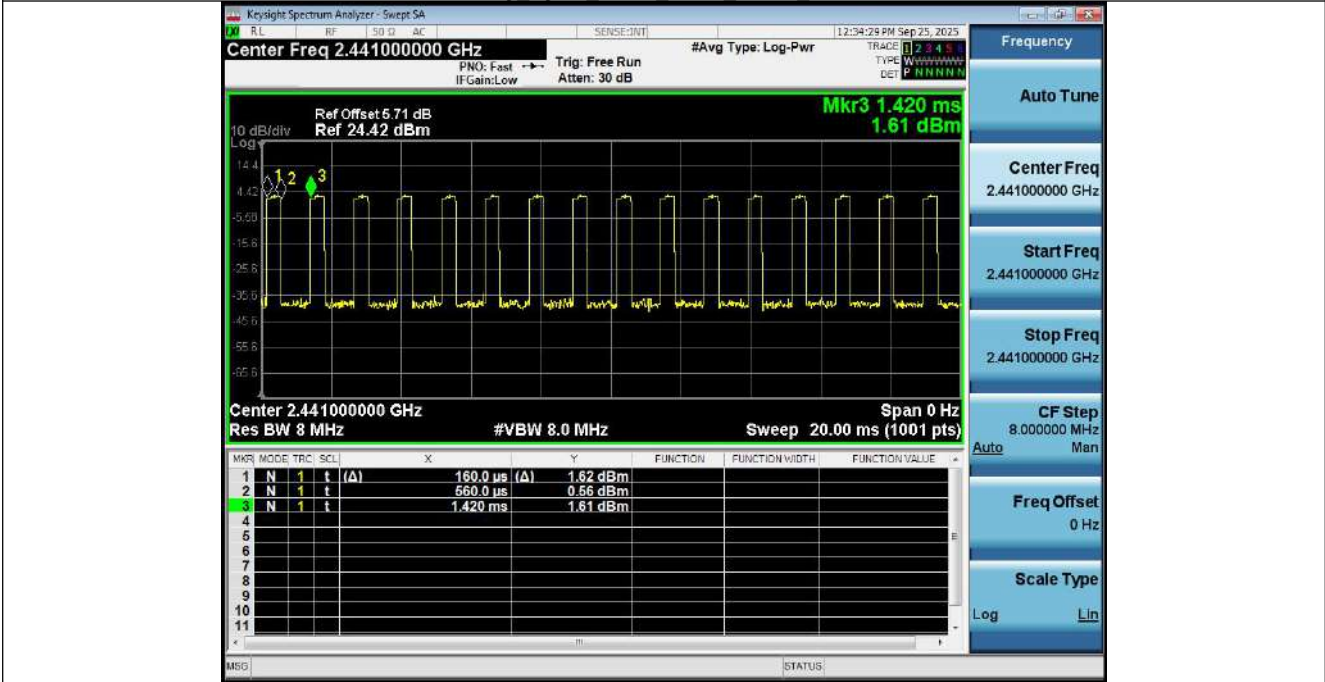
Duty Cycle_NVNT_ANT1 2-DH1_2480



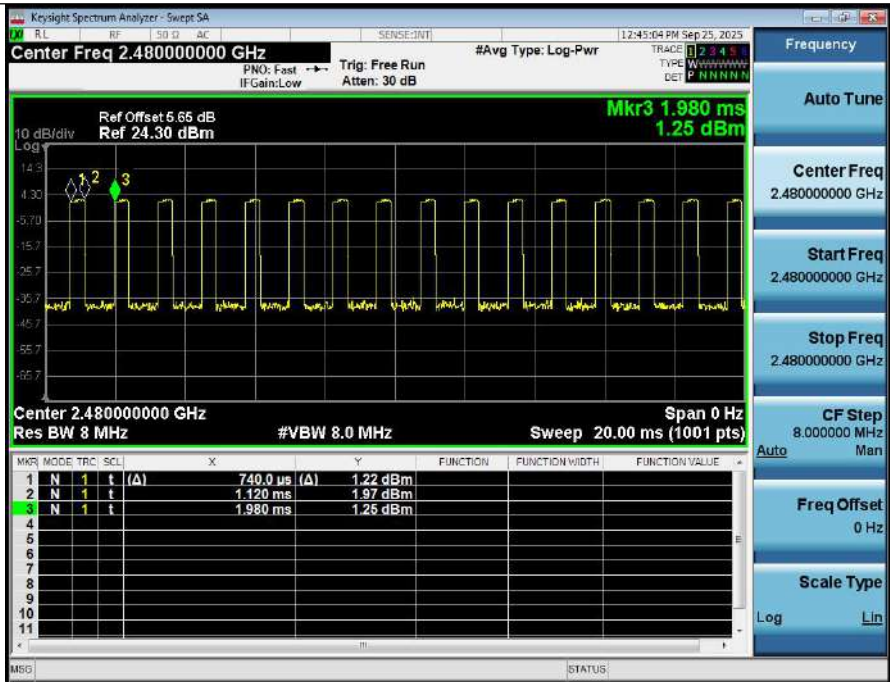
Duty Cycle_NVNT_ANT1 3-DH1_2402



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	0.996	No
NVNT	ANT1	1-DH1	2441.00	0.999	No
NVNT	ANT1	1-DH1	2480.00	0.993	No
NVNT	ANT1	2-DH1	2402.00	1.284	Yes
NVNT	ANT1	2-DH1	2441.00	1.281	Yes
NVNT	ANT1	2-DH1	2480.00	1.268	Yes
NVNT	ANT1	3-DH1	2402.00	1.222	Yes
NVNT	ANT1	3-DH1	2441.00	1.223	Yes
NVNT	ANT1	3-DH1	2480.00	1.261	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



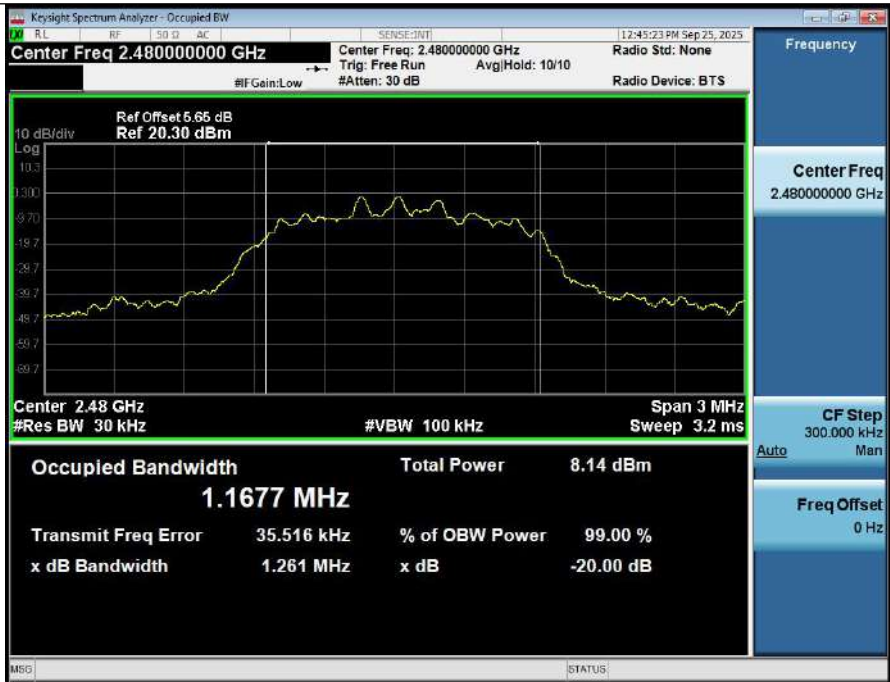
-20dB_Bandwidth_NVNT_ANT1_3-DH1_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2441_00

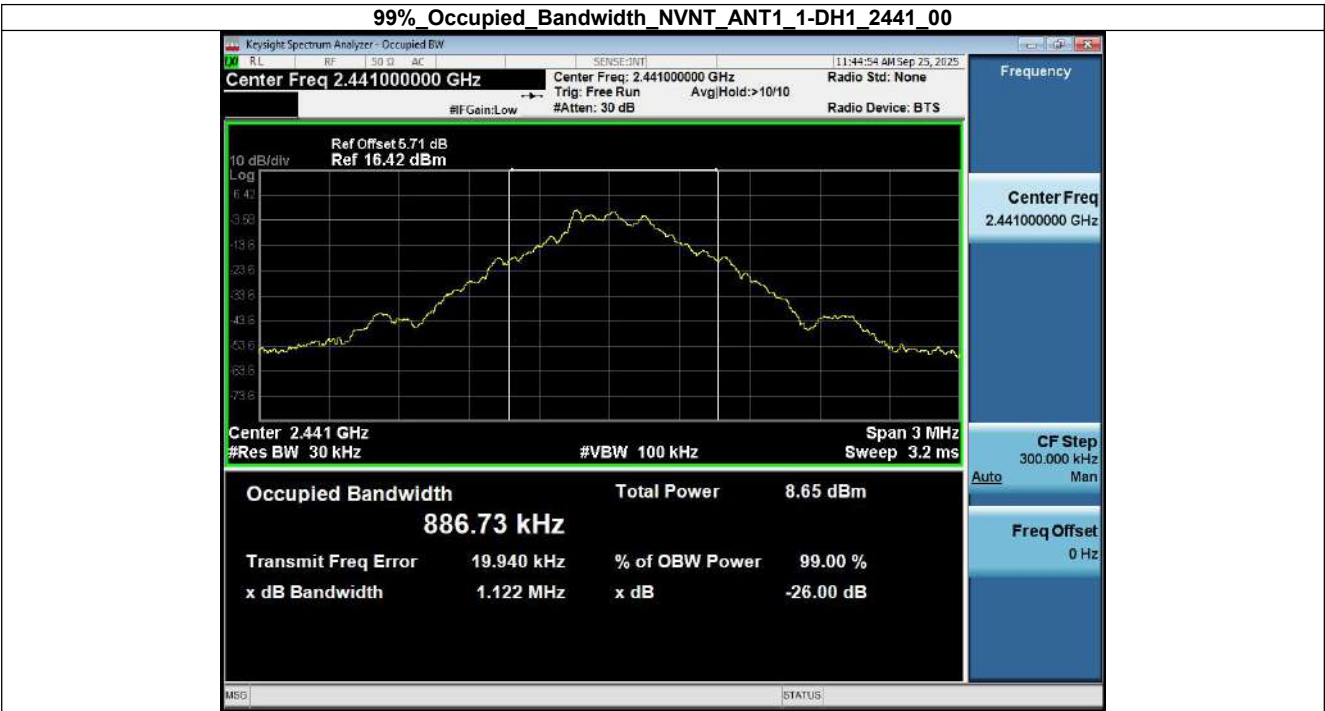


-20dB_Bandwidth_NVNT_ANT1_3-DH1_2480_00



3. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.865
NVNT	ANT1	1-DH1	2441.00	0.887
NVNT	ANT1	1-DH1	2480.00	0.887
NVNT	ANT1	2-DH1	2402.00	1.176
NVNT	ANT1	2-DH1	2441.00	1.183
NVNT	ANT1	2-DH1	2480.00	1.183
NVNT	ANT1	3-DH1	2402.00	1.157
NVNT	ANT1	3-DH1	2441.00	1.164
NVNT	ANT1	3-DH1	2480.00	1.168



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	0.91	1.23	1000	Pass
NVNT	ANT1	1-DH1	2441.00	1.67	1.47	1000	Pass
NVNT	ANT1	1-DH1	2480.00	1.30	1.35	1000	Pass
NVNT	ANT1	2-DH1	2402.00	1.91	1.55	125	Pass
NVNT	ANT1	2-DH1	2441.00	2.51	1.78	125	Pass
NVNT	ANT1	2-DH1	2480.00	2.13	1.63	125	Pass
NVNT	ANT1	3-DH1	2402.00	2.47	1.77	125	Pass
NVNT	ANT1	3-DH1	2441.00	3.07	2.03	125	Pass
NVNT	ANT1	3-DH1	2480.00	2.62	1.83	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



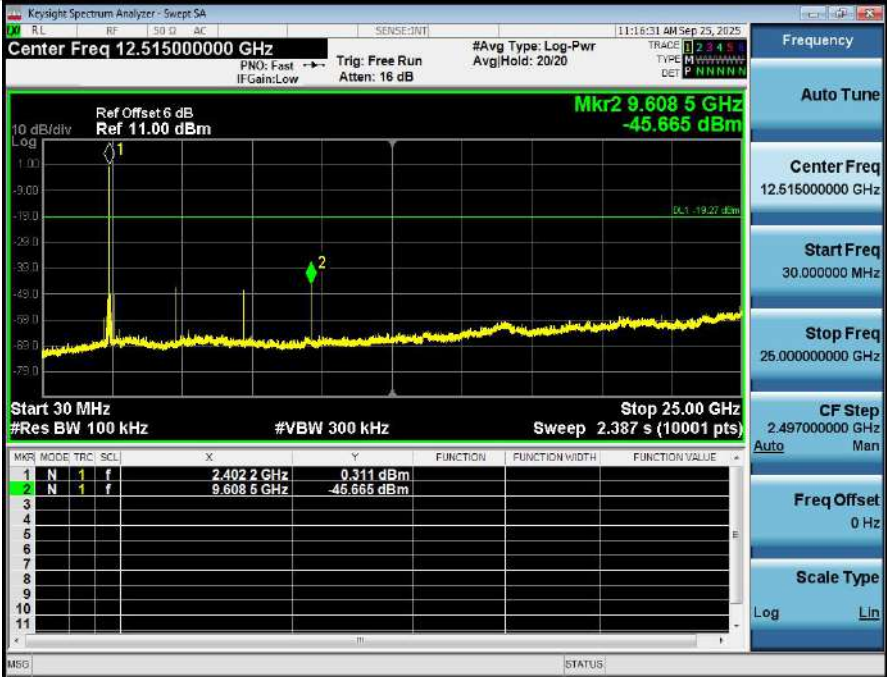
5. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	0.734	-45.665	-19.266	Pass
NVNT	ANT1	1-DH1	2441.00	1.534	-44.357	-18.466	Pass
NVNT	ANT1	1-DH1	2480.00	1.166	-43.722	-18.834	Pass
NVNT	ANT1	2-DH1	2402.00	0.894	-43.822	-19.106	Pass
NVNT	ANT1	2-DH1	2441.00	1.538	-44.648	-18.462	Pass
NVNT	ANT1	2-DH1	2480.00	1.207	-43.840	-18.793	Pass
NVNT	ANT1	3-DH1	2402.00	0.896	-43.878	-19.104	Pass
NVNT	ANT1	3-DH1	2441.00	1.525	-44.427	-18.475	Pass
NVNT	ANT1	3-DH1	2480.00	1.184	-44.163	-18.816	Pass

1_Reference_Level_NVNT_ANT1_1-DH1_2402_00



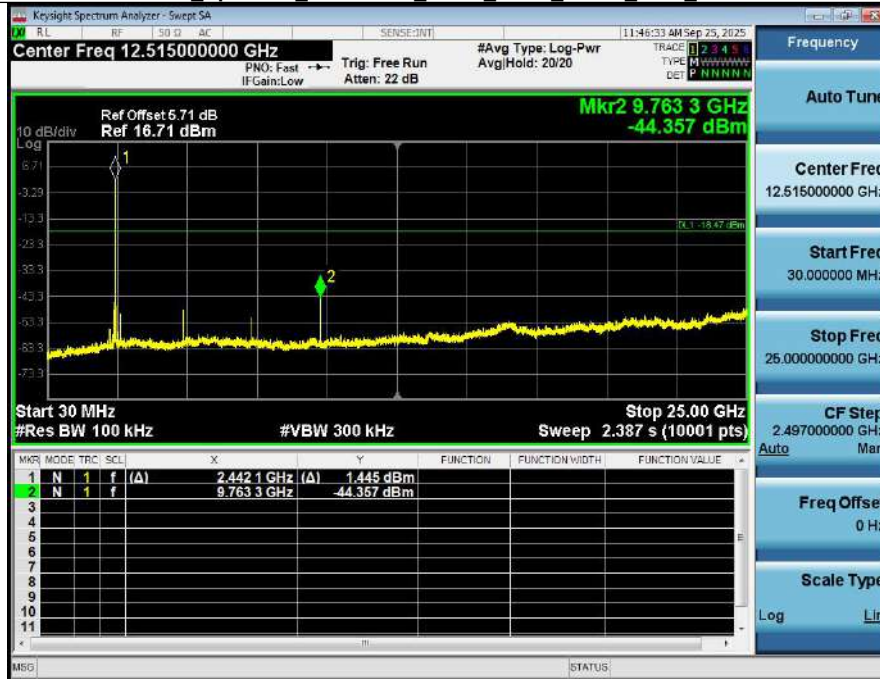
2_Spurious_Emissions_NVNT_ANT1_1-DH1_2402_00



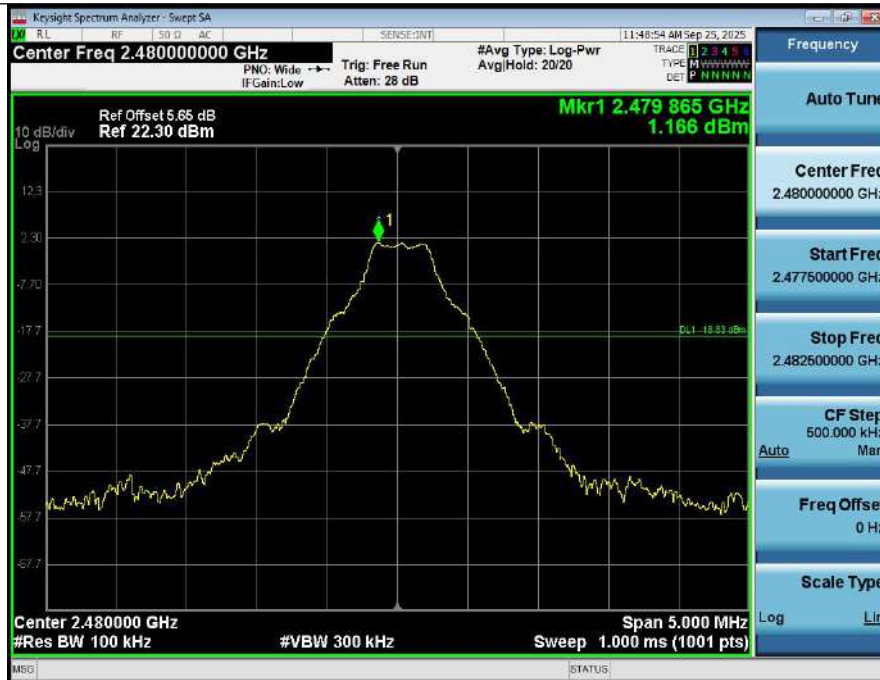
1 Reference Level NVNT ANT1 1-DH1 2441 00



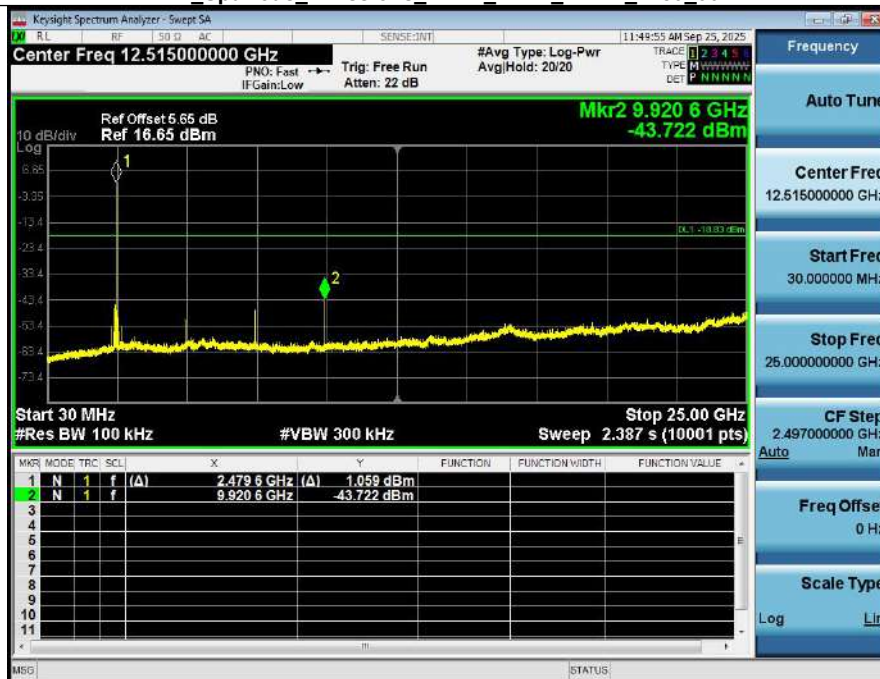
2 Spurious Emissions NVNT ANT1 1-DH1 2441 00



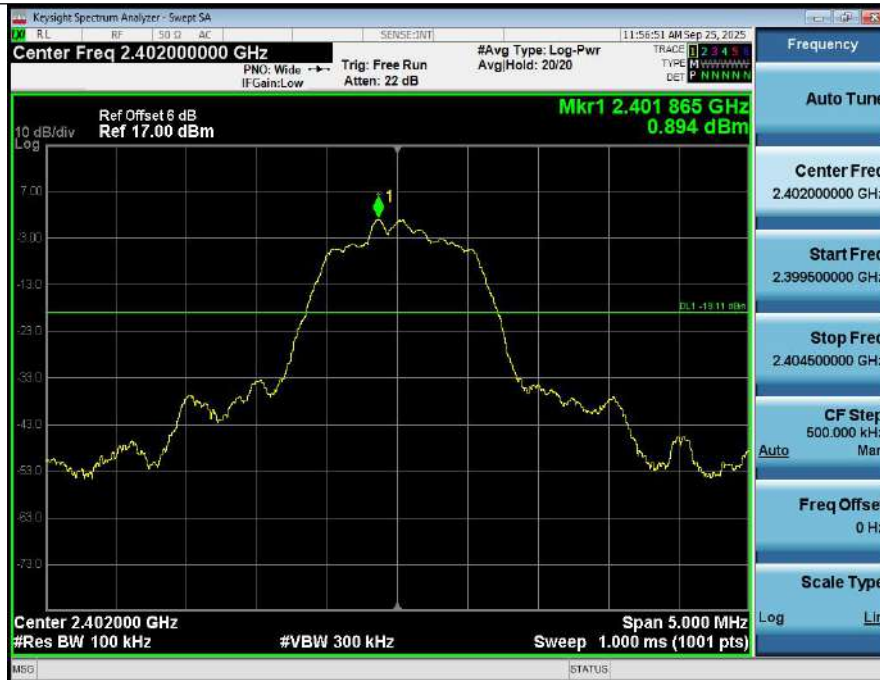
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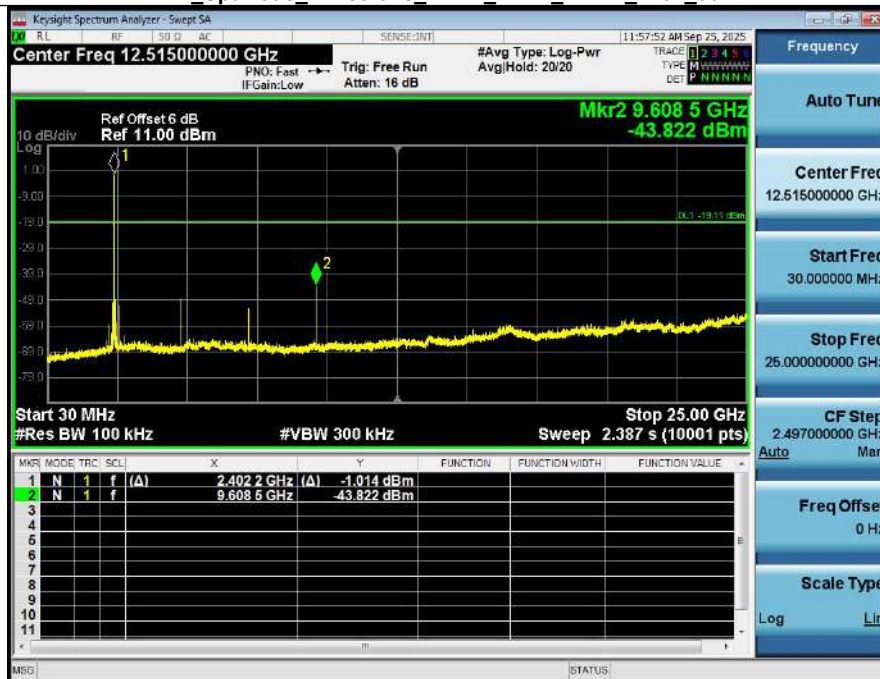
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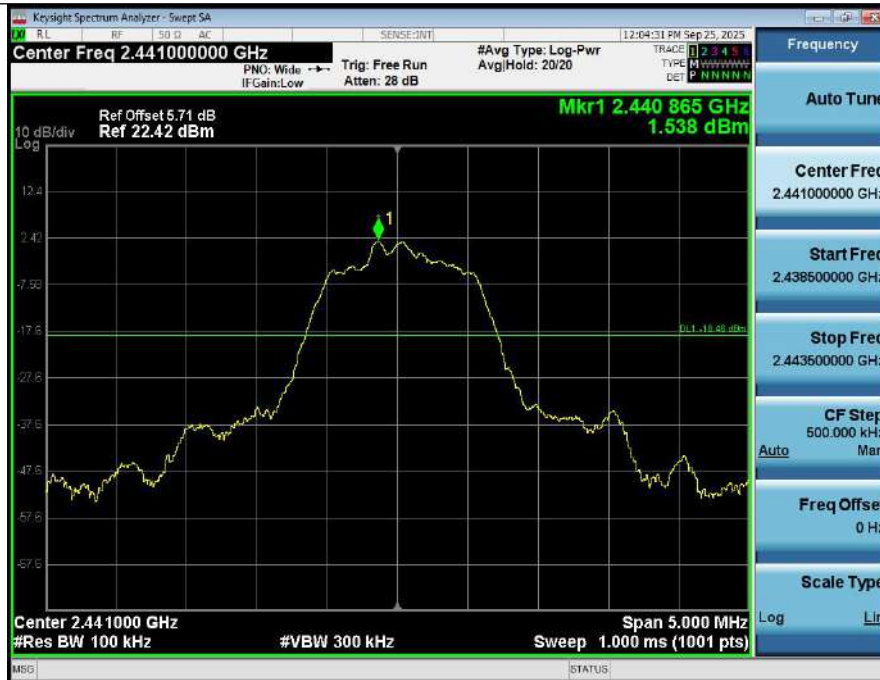
1 Reference_Level_NVNT_ANT1_2-DH1_2402_00



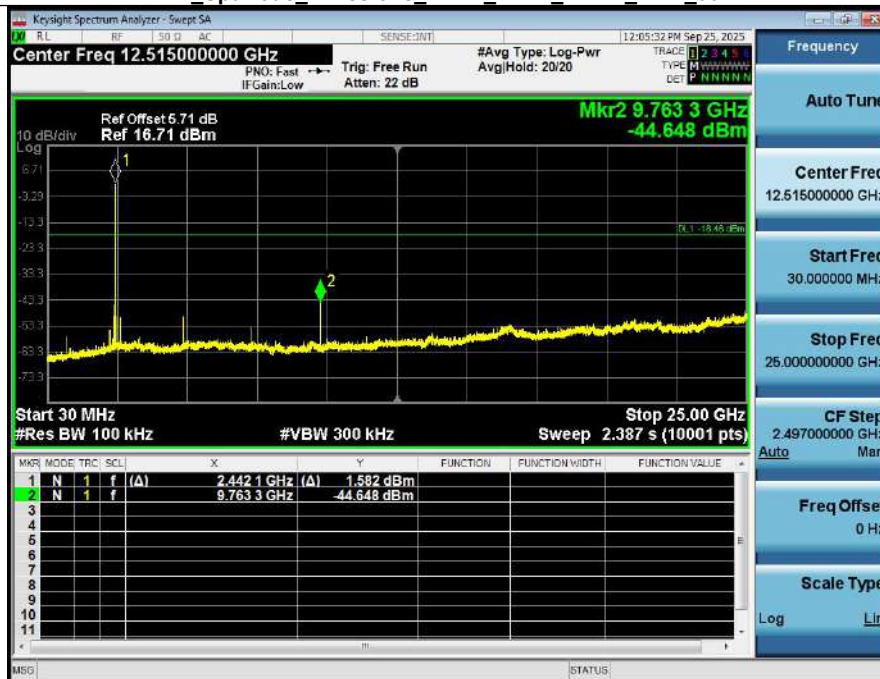
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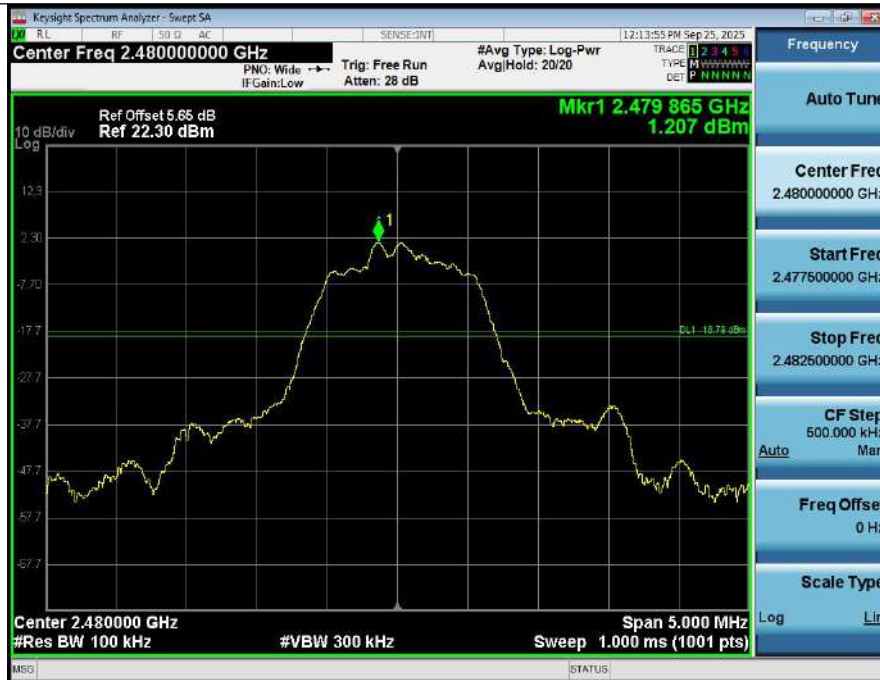
1 Reference_Level_NVNT_ANT1_2-DH1_2441_00



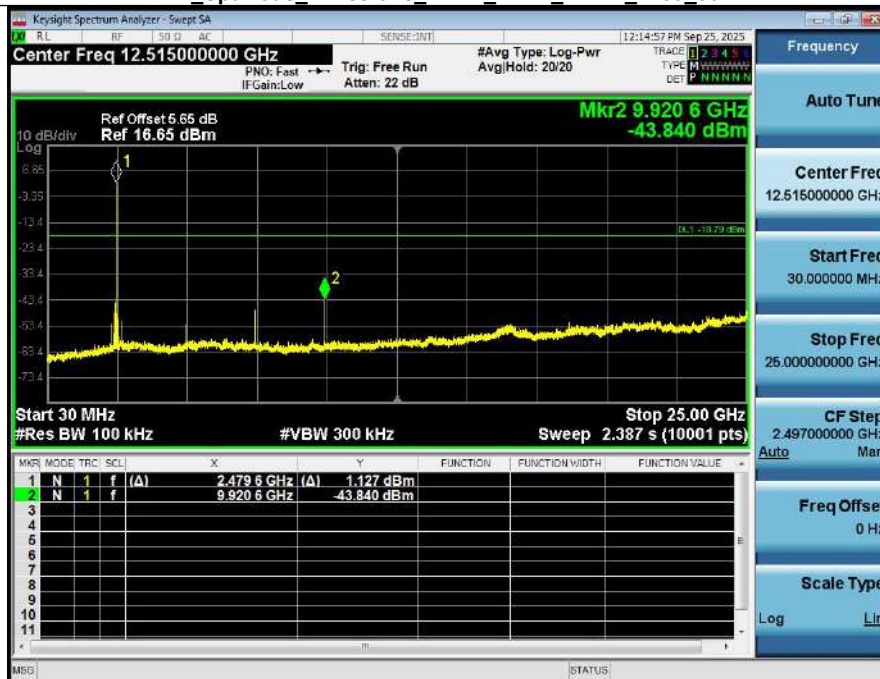
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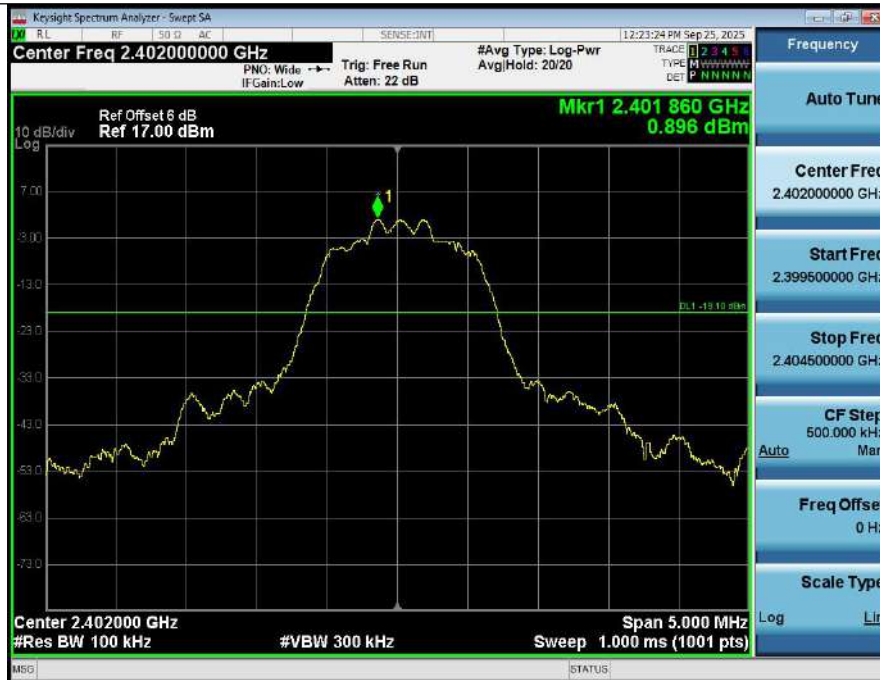
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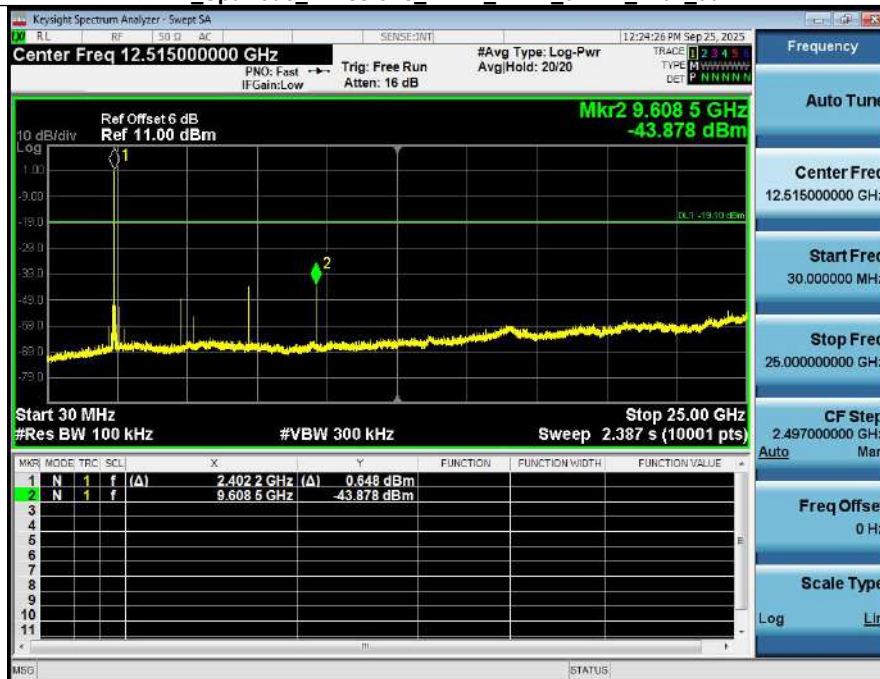
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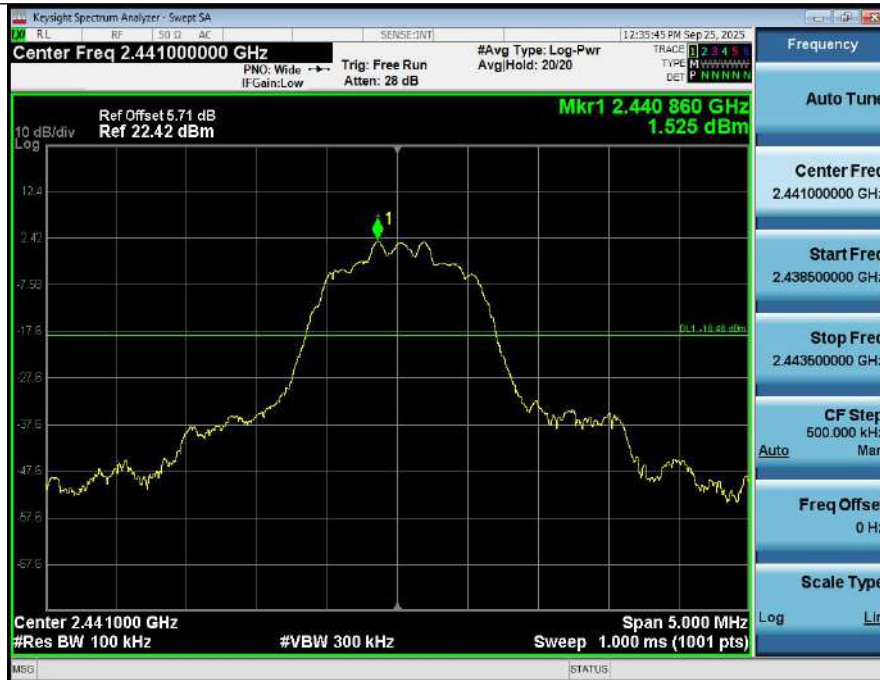
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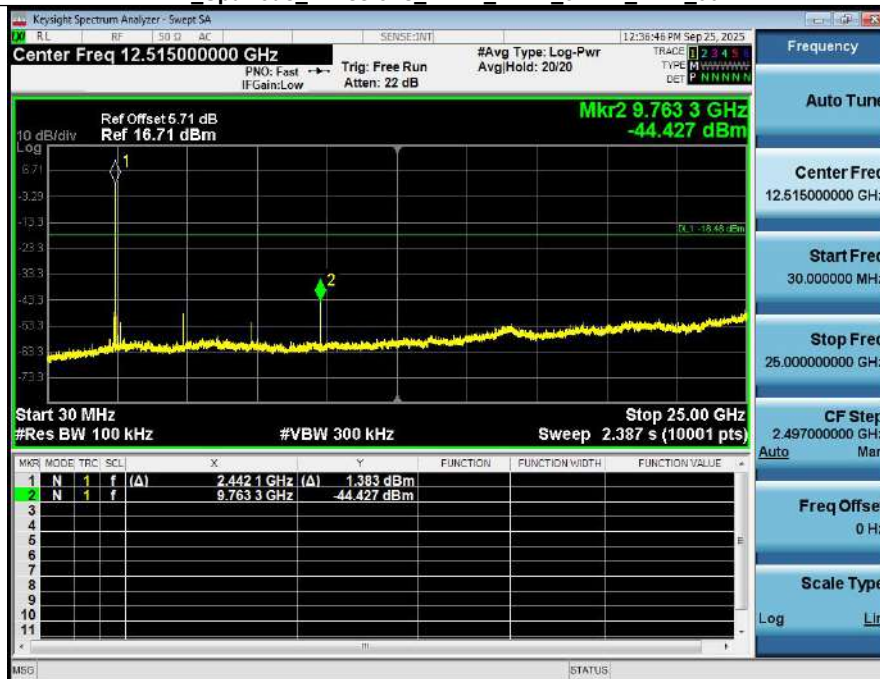
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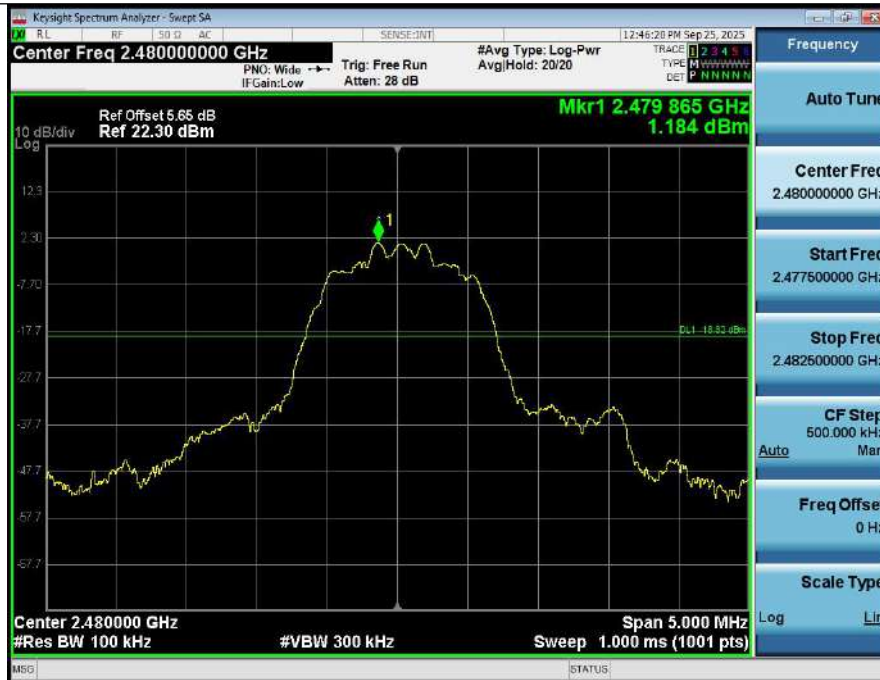
1 Reference_Level_NVNT_ANT1_3-DH1_2441_00



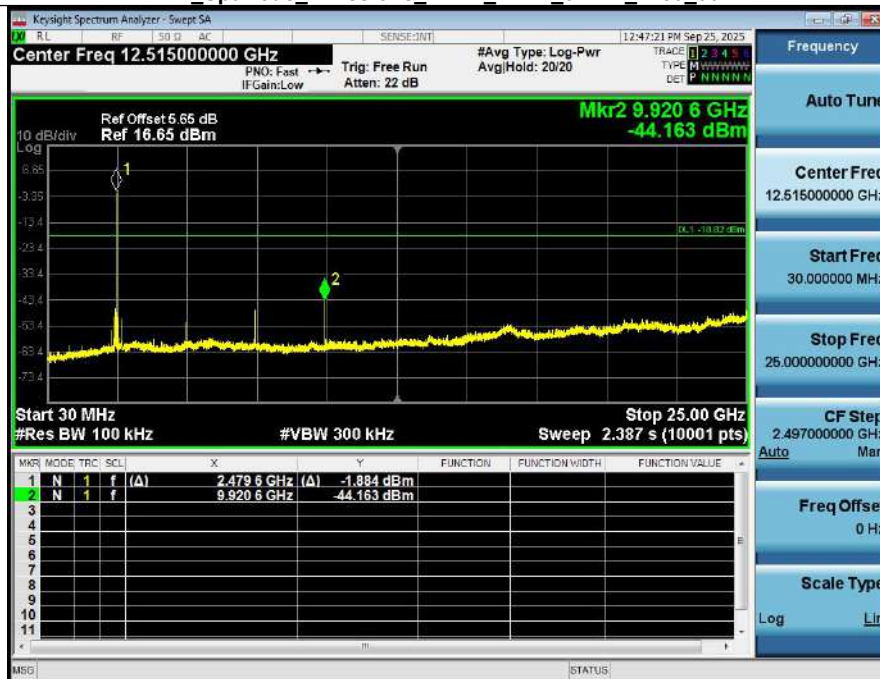
2 Spurious Emissions_NVNT_ANT1_3-DH1_2441_00



1 Reference_Level_NVNT_ANT1_3-DH1_2480_00



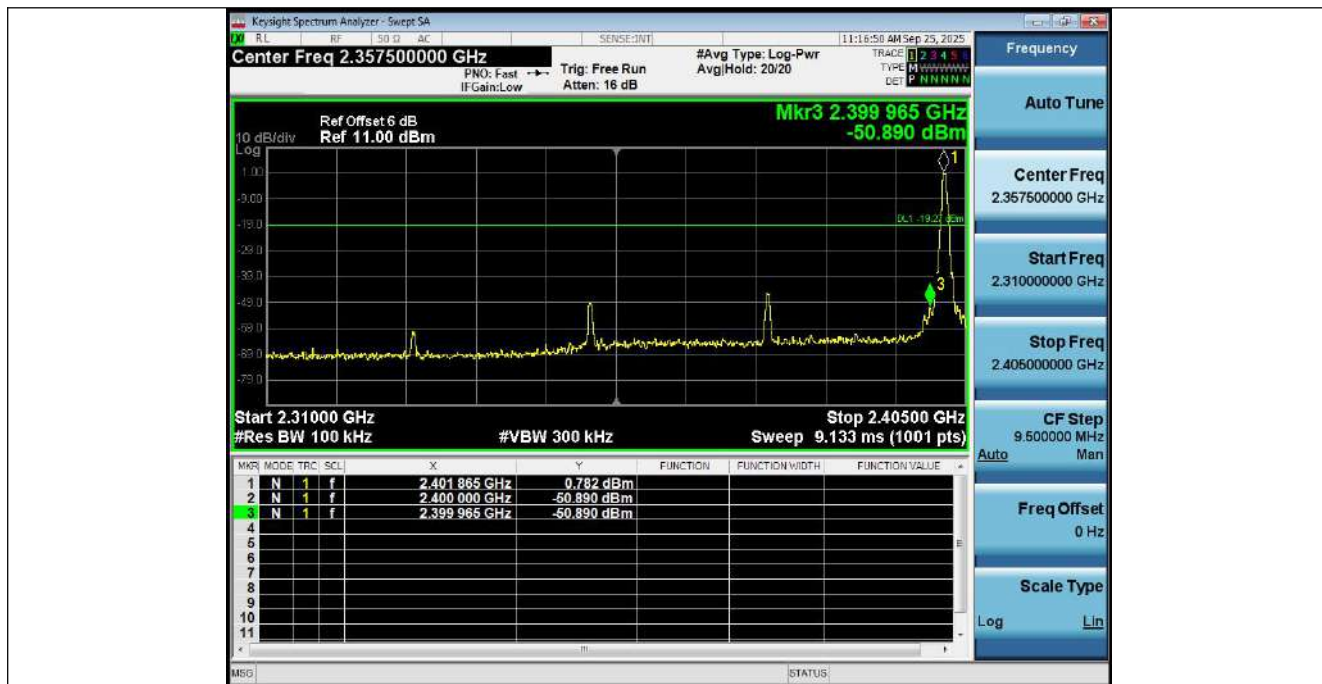
2 Spurious Emissions_NVNT_ANT1_3-DH1_2480_00



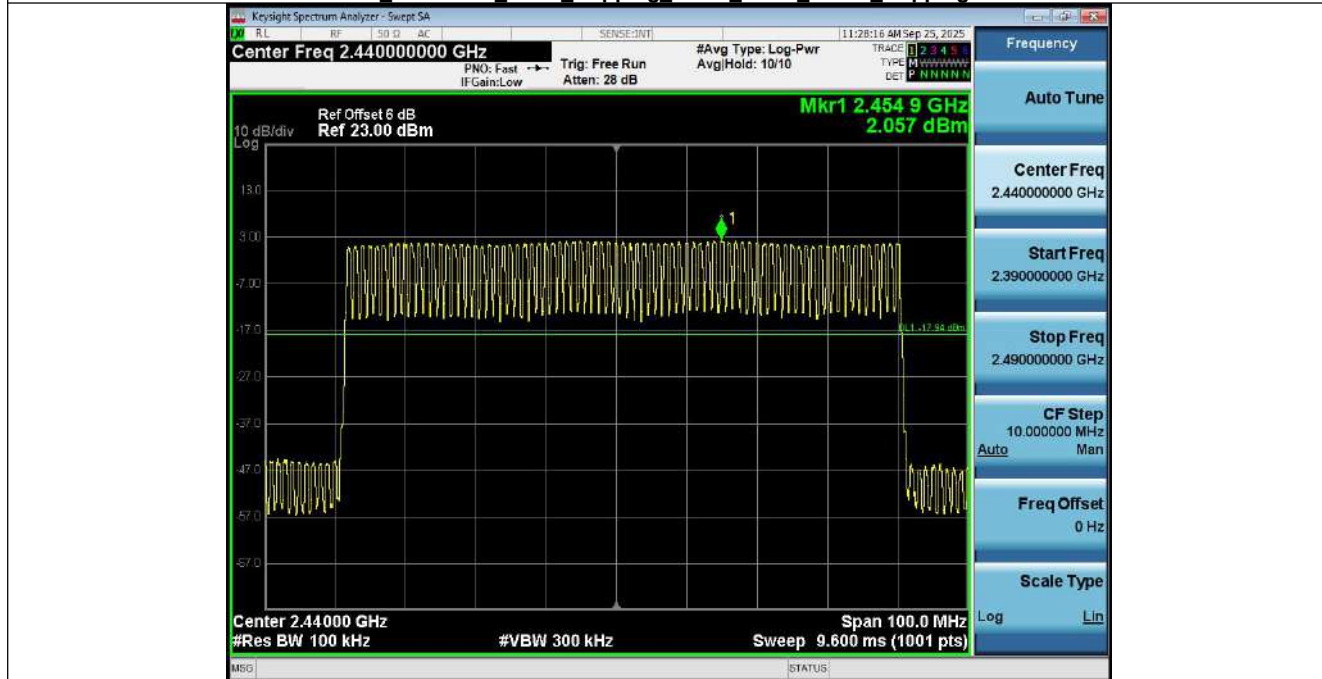
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	0.734	-50.890	-19.266	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	2.057	-45.166	-17.943	Pass
NVNT	ANT1	1-DH1	2480.00	1.166	-58.520	-18.834	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	1.710	-46.609	-18.290	Pass
NVNT	ANT1	2-DH1	2402.00	0.894	-48.479	-19.106	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	2.013	-44.981	-17.987	Pass
NVNT	ANT1	2-DH1	2480.00	1.207	-58.952	-18.793	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	1.688	-46.782	-18.312	Pass
NVNT	ANT1	3-DH1	2402.00	0.896	-48.519	-19.104	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	2.020	-45.081	-17.980	Pass
NVNT	ANT1	3-DH1	2480.00	1.184	-56.962	-18.816	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	1.697	-46.545	-18.303	Pass

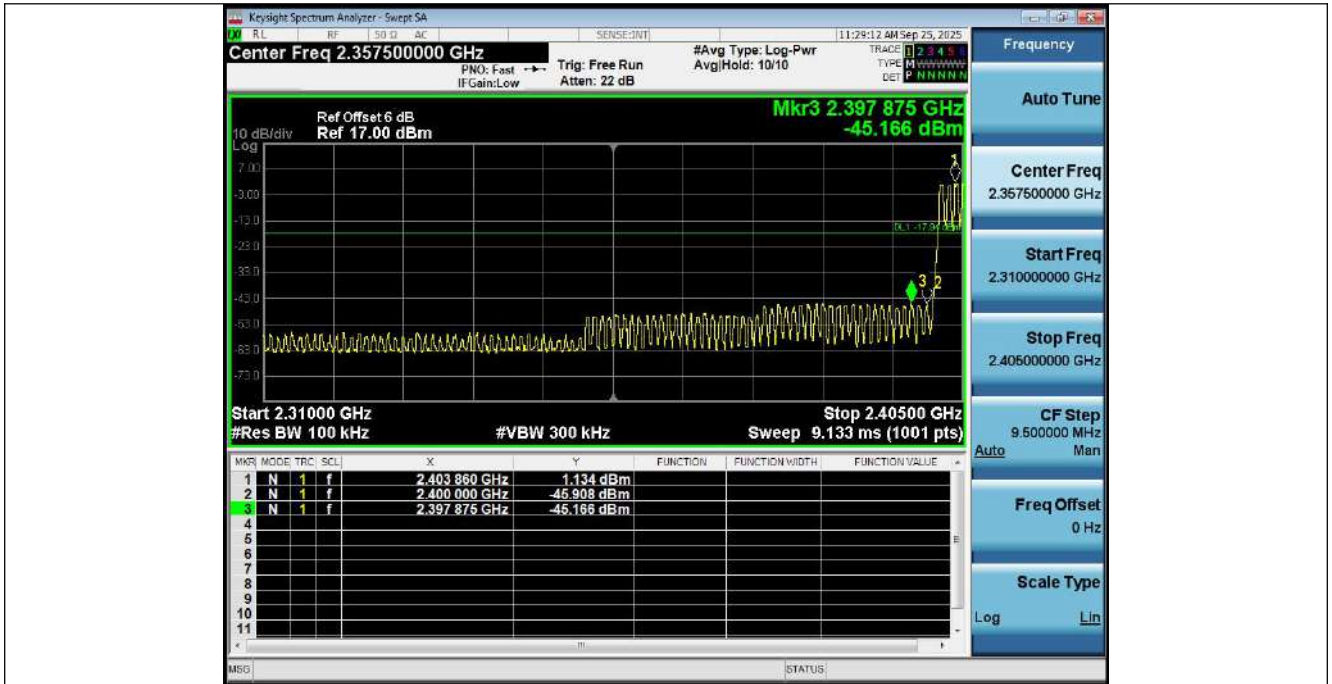




1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



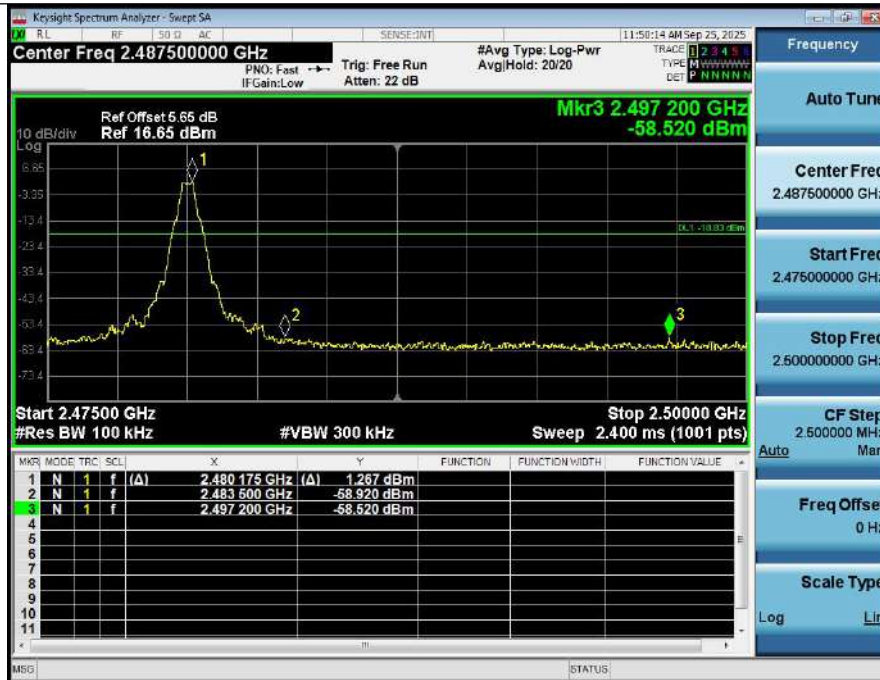
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



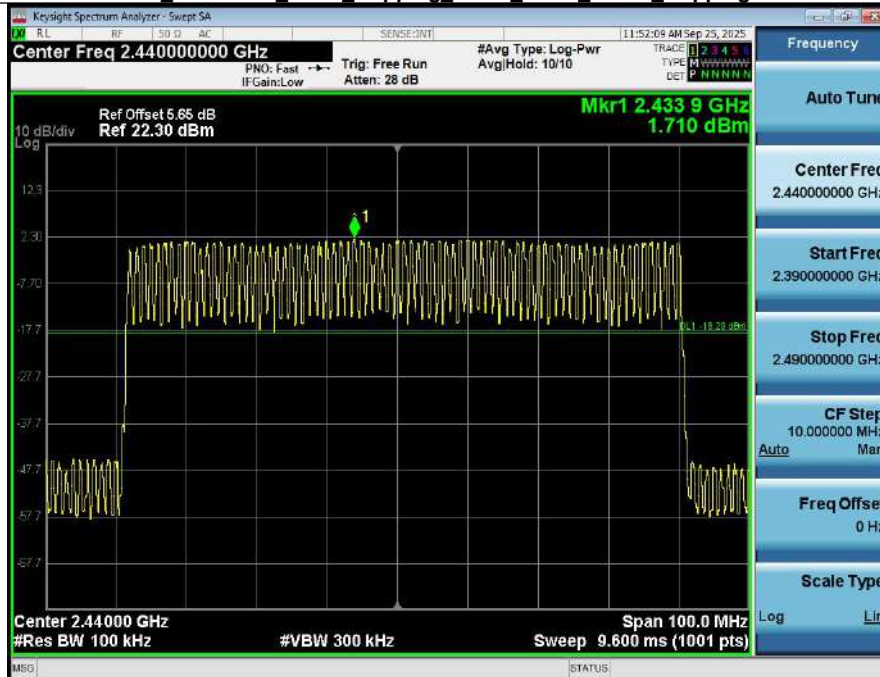
1 Reference Level NVNT ANT1 1-DH1 2480 00



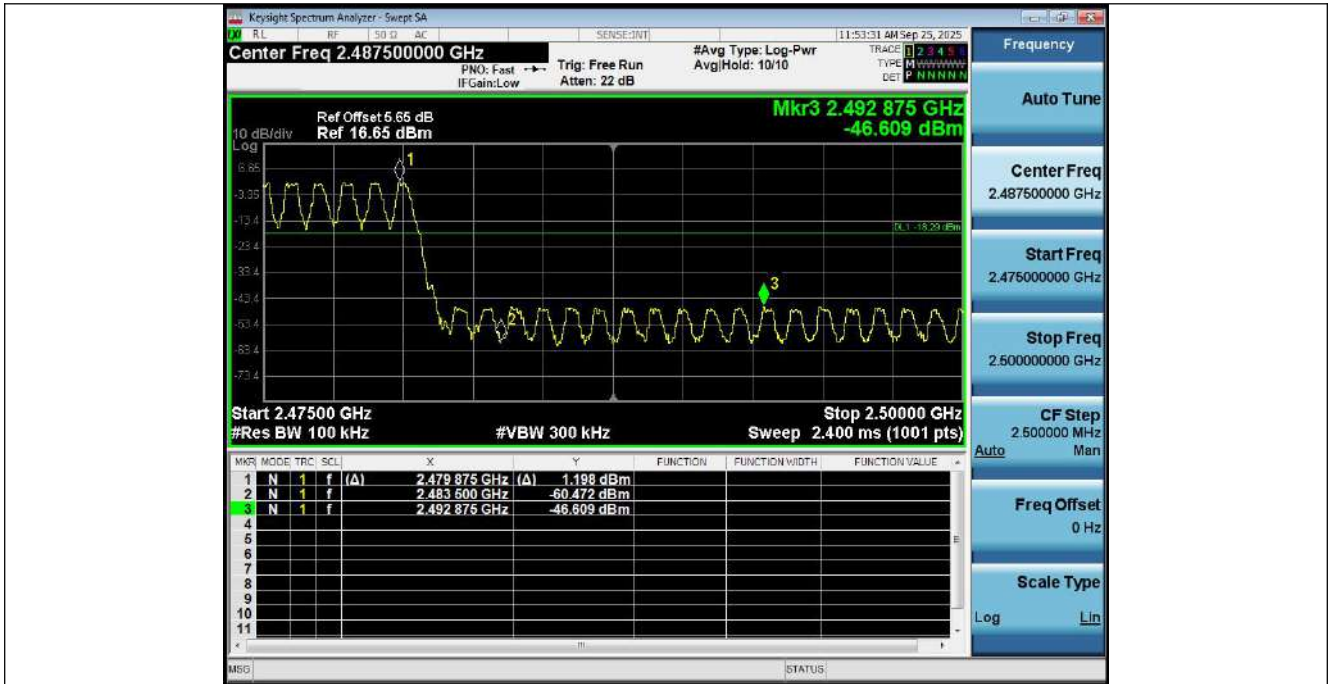
2 Bandedge NVNT ANT1 1-DH1 2480 00



1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



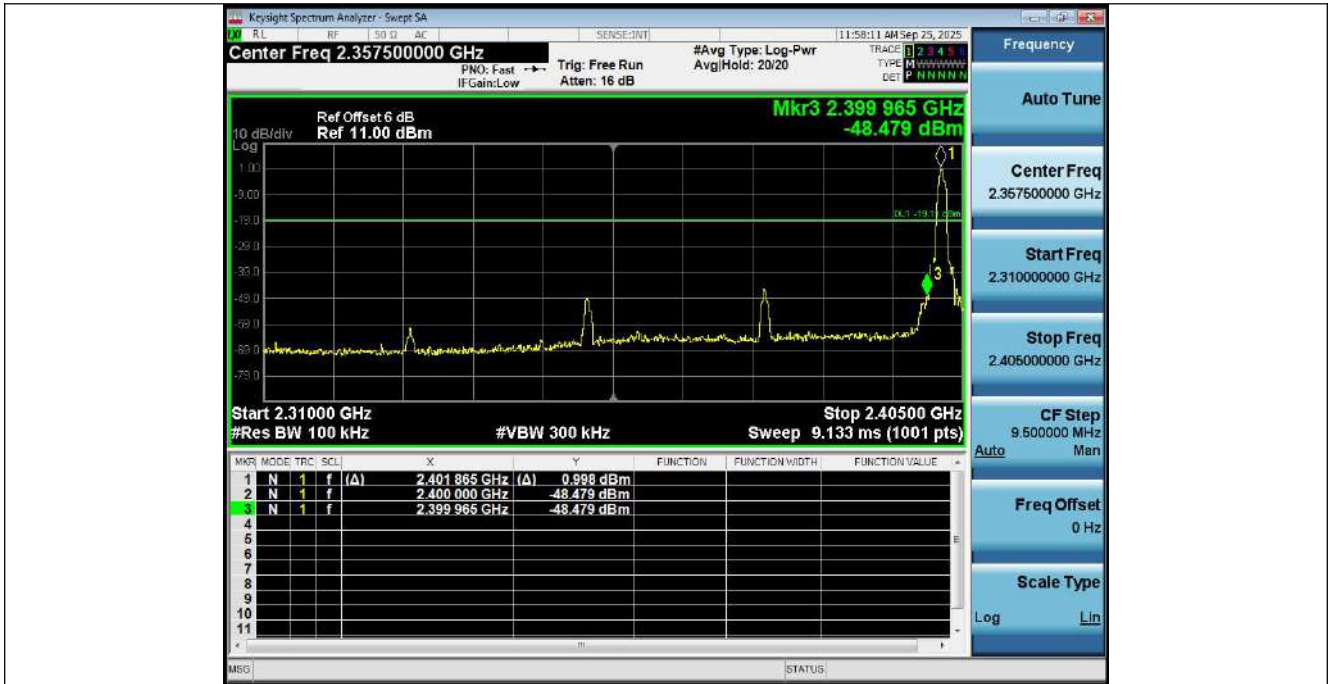
2 Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



1 Reference Level NVNT ANT1 2-DH1 2402 00



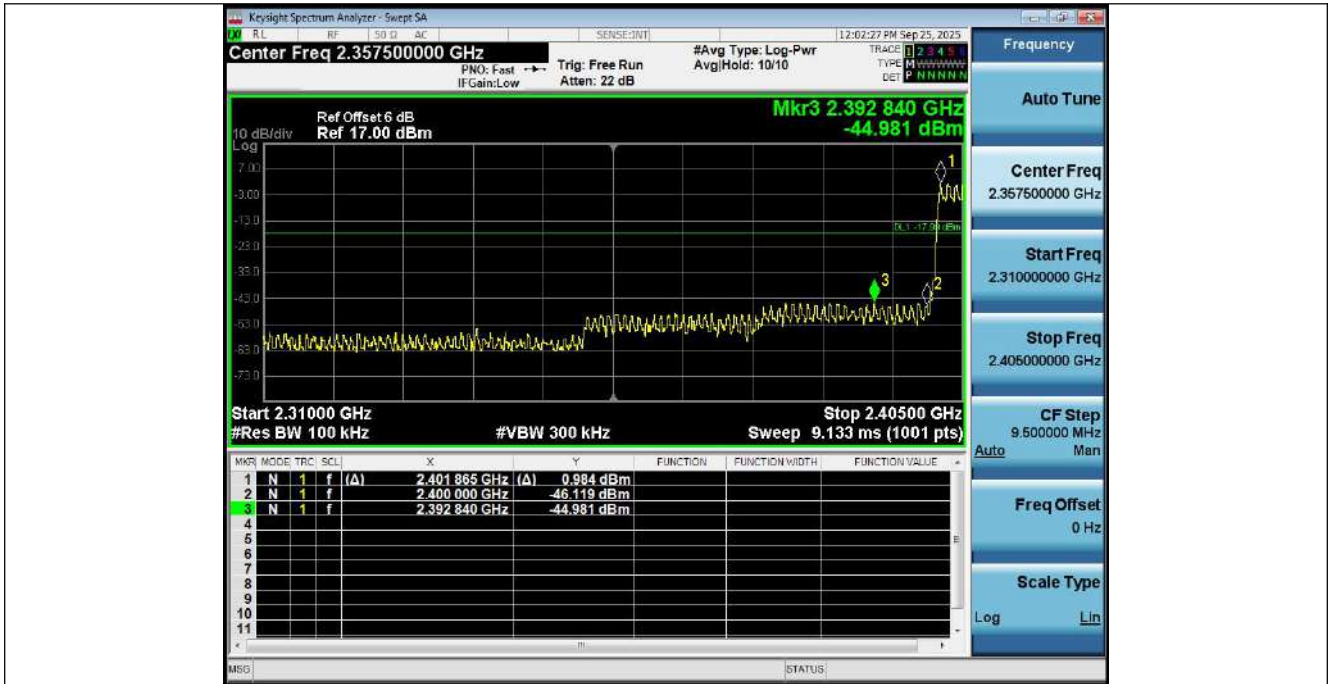
2 Bandedge NVNT ANT1 2-DH1 2402 00



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



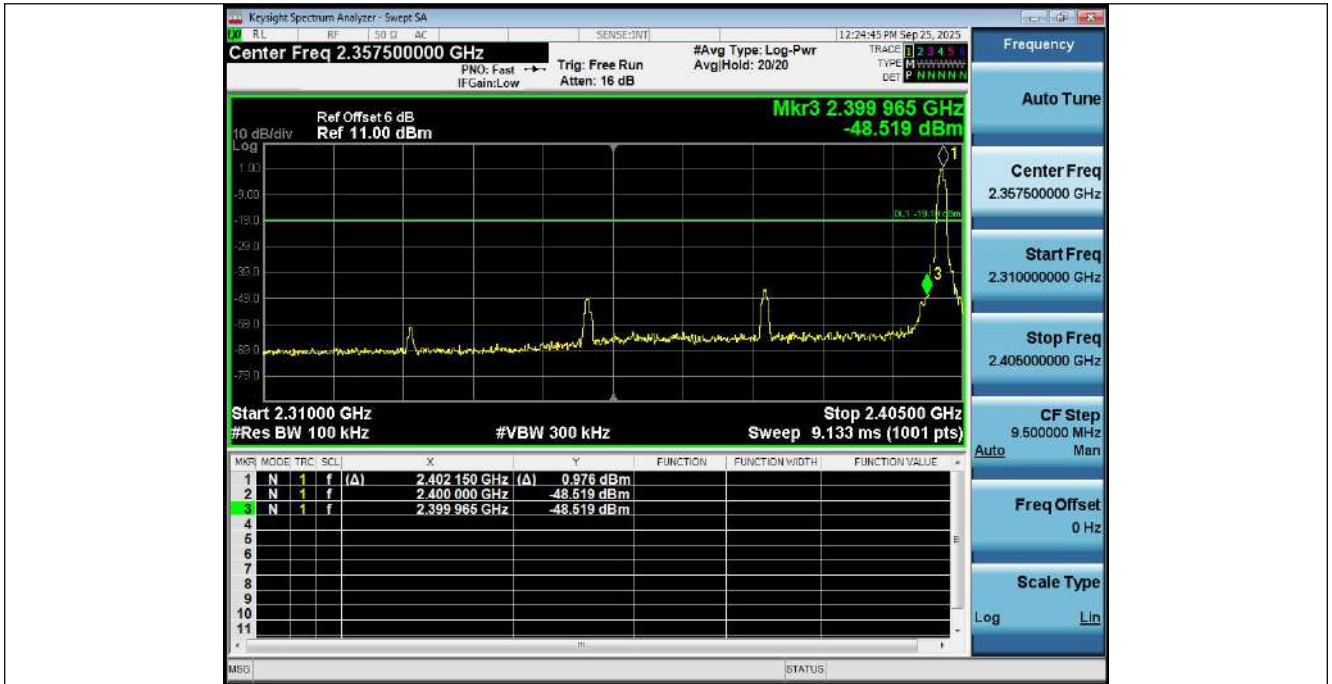
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1 Reference Level NVNT ANT1 3-DH1 2402_00



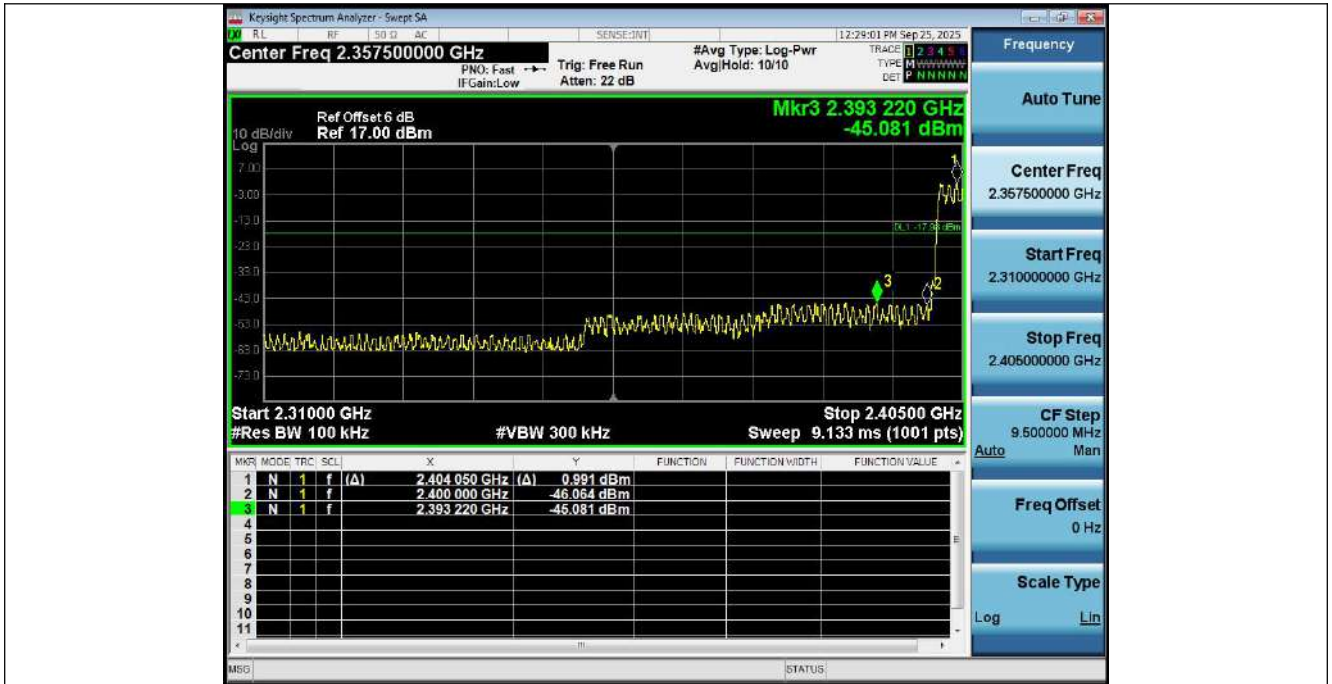
2 Bandedge NVNT ANT1 3-DH1 2402_00



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



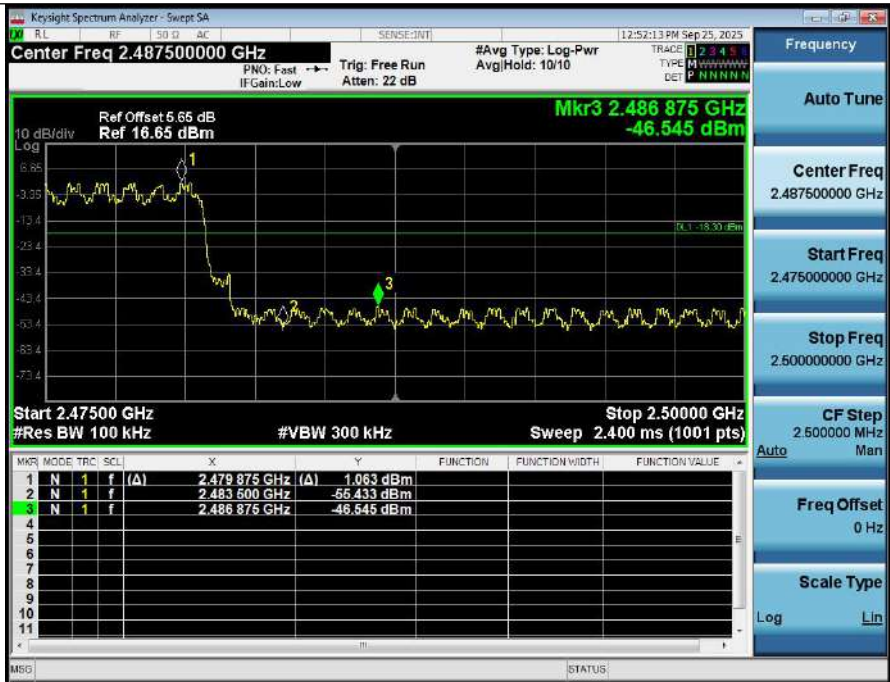
2 Bandedge NVNT ANT1 3-DH1 2480 00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



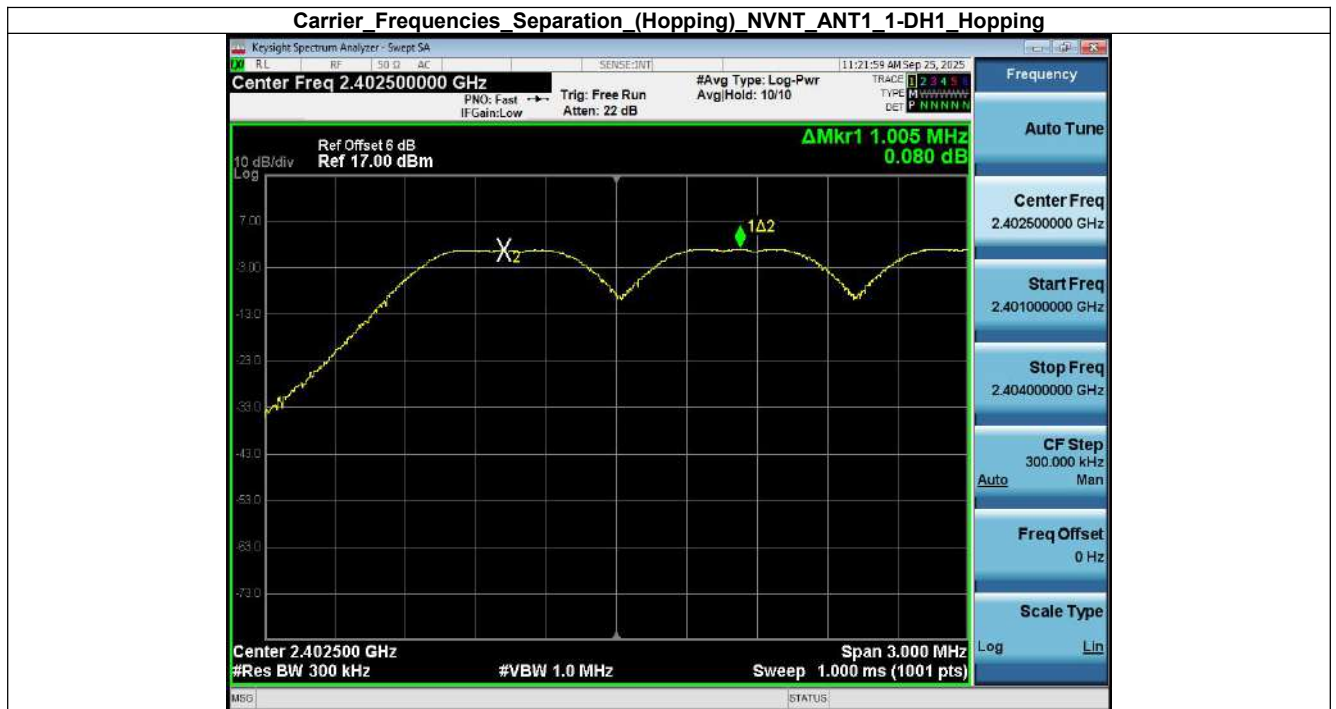
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



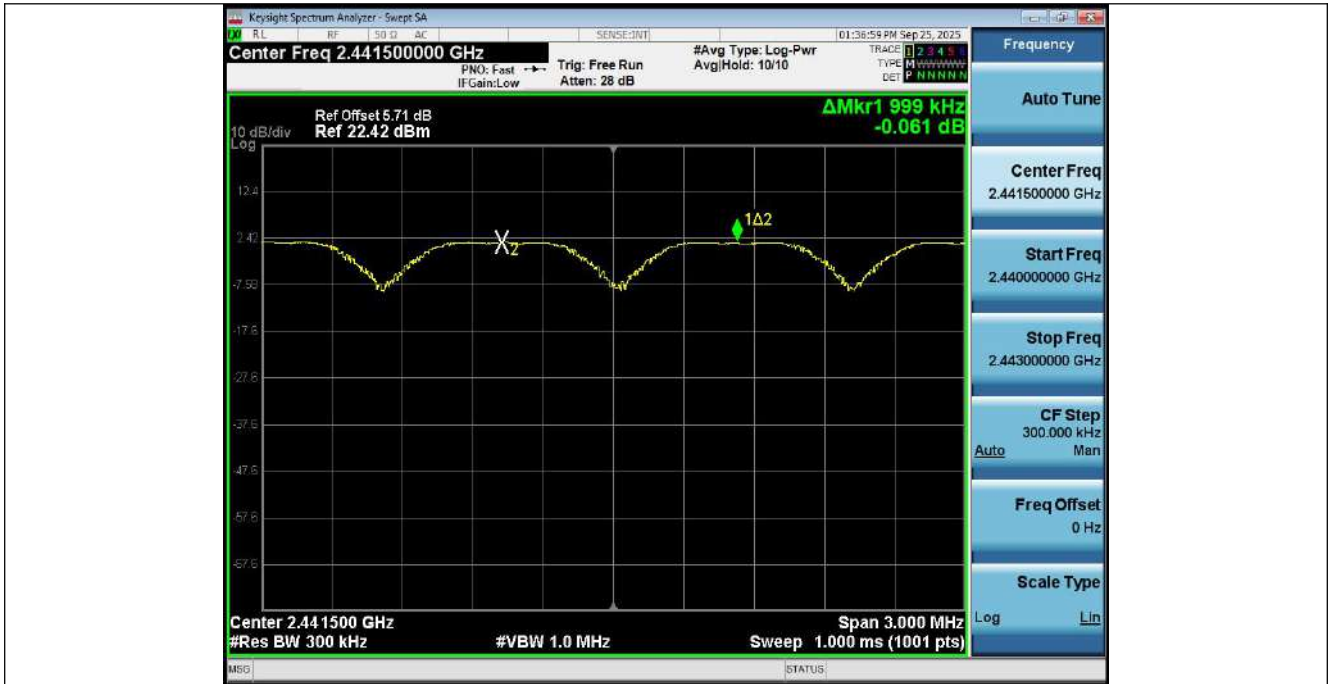
7. Carrier Frequencies Separation (Hopping)

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	2402.020	2403.025	1.00	0.996	Pass
NVNT	ANT1	1-DH1	2441.00	2441.026	2442.025	1.00	0.999	Pass
NVNT	ANT1	1-DH1	2480.00	2478.897	2479.890	0.99	0.993	Pass
NVNT	ANT1	2-DH1	2402.00	2402.023	2403.025	1.00	0.856	Pass
NVNT	ANT1	2-DH1	2441.00	2441.026	2442.034	1.01	0.854	Pass
NVNT	ANT1	2-DH1	2480.00	2479.023	2480.031	1.01	0.845	Pass
NVNT	ANT1	3-DH1	2402.00	2402.032	2403.031	1.00	0.815	Pass
NVNT	ANT1	3-DH1	2441.00	2441.020	2442.016	1.00	0.815	Pass
NVNT	ANT1	3-DH1	2480.00	2479.032	2480.028	1.00	0.841	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



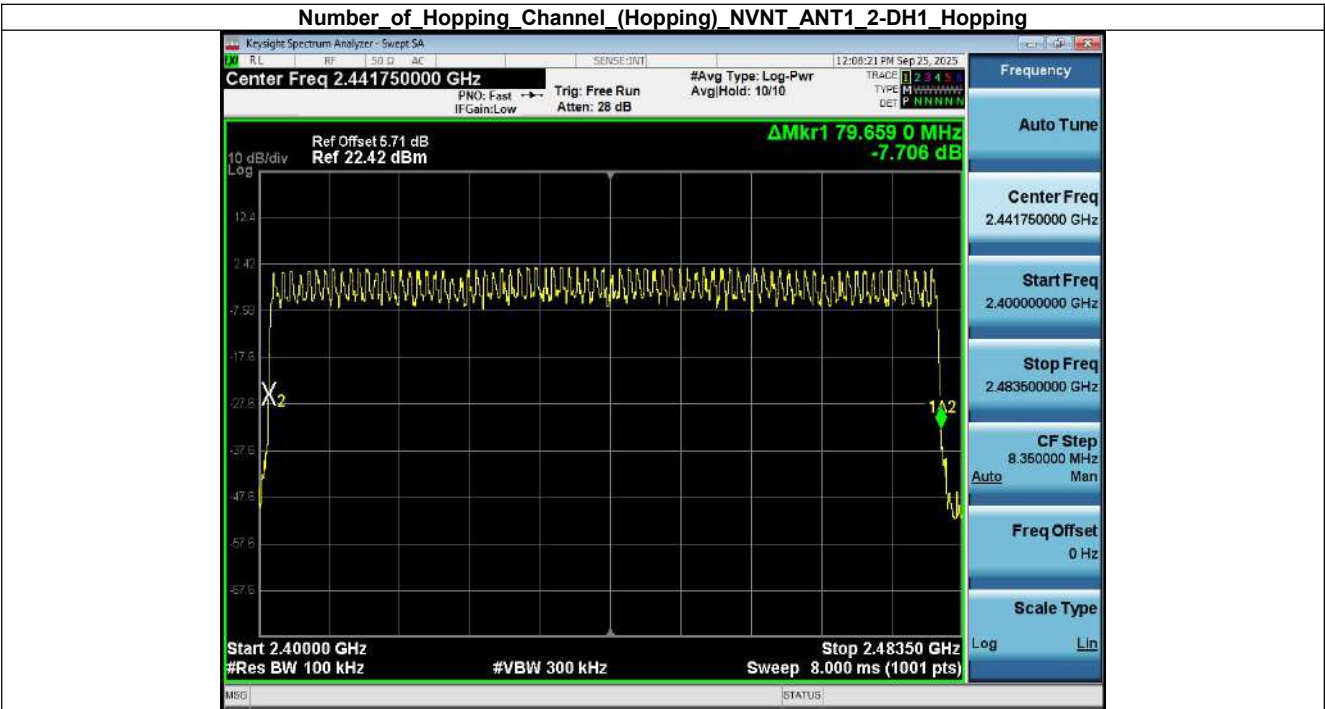
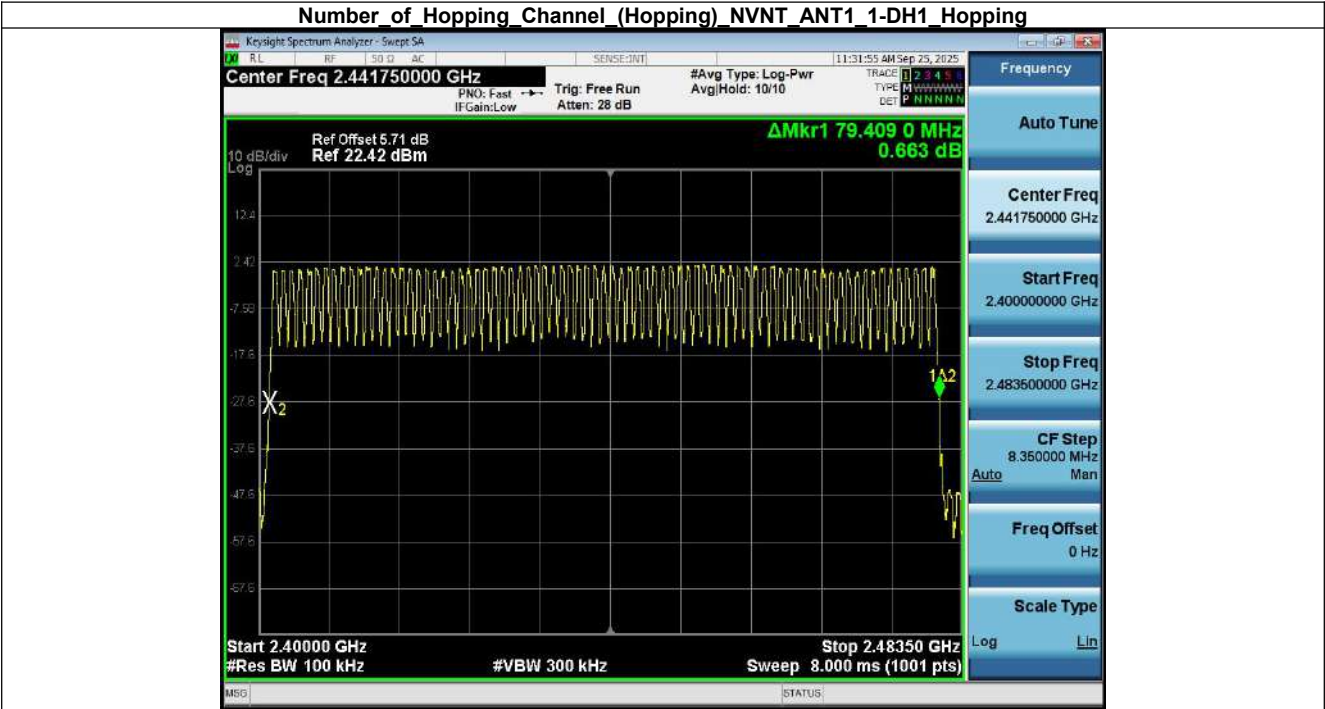
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping

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

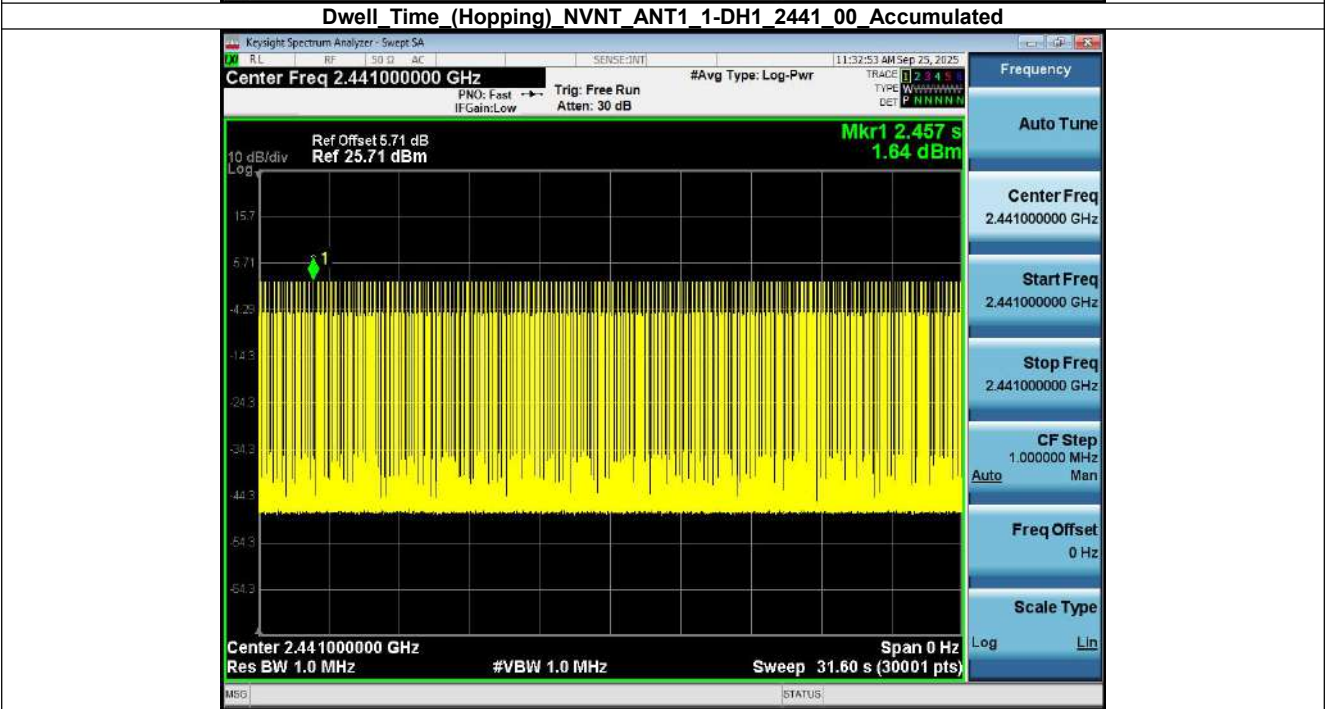
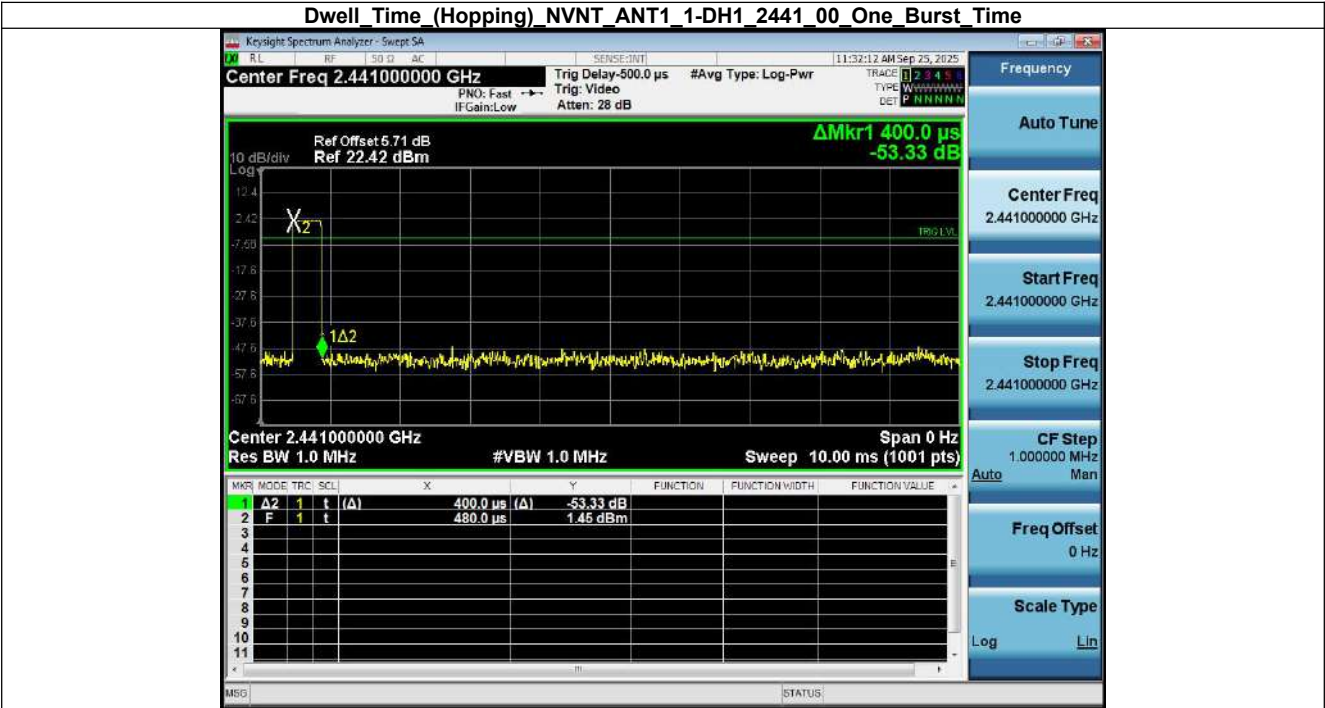


Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping

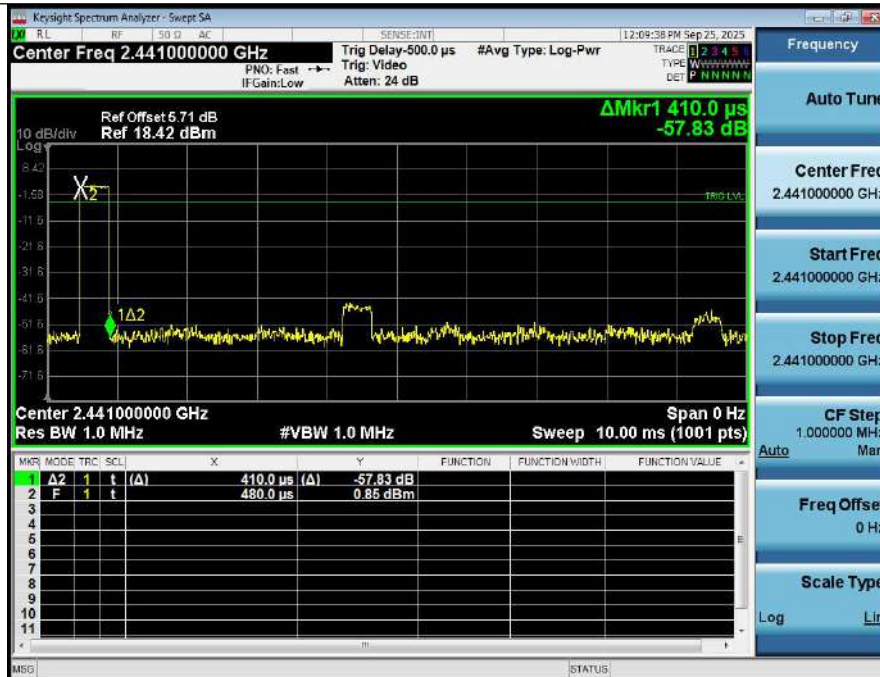


9. Dwell Time (Hopping)

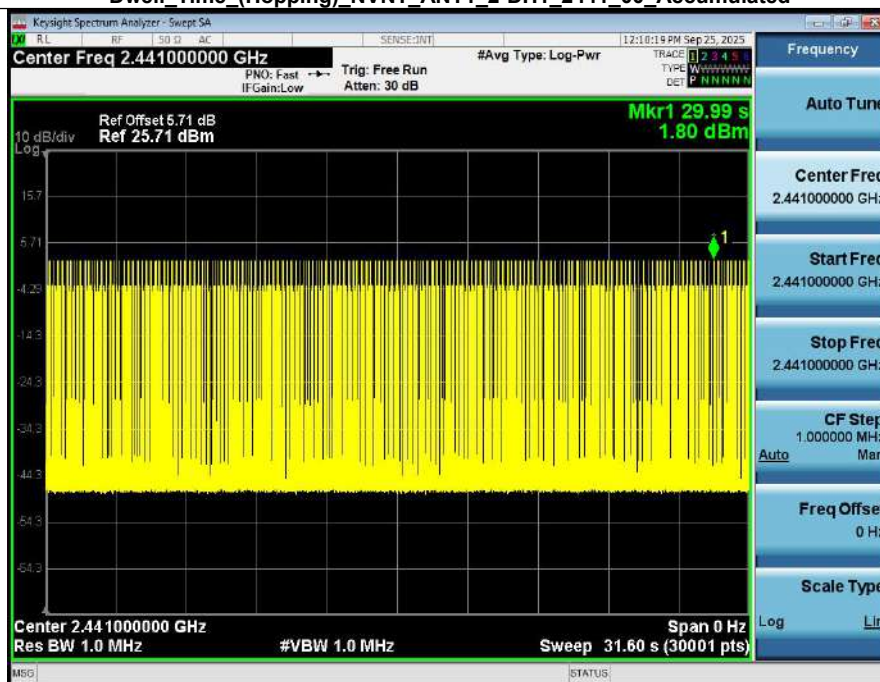
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	2-DH1	0.410	320.00	131.200	0.40	Pass
NVNT	ANT1	3-DH1	0.400	317.00	126.800	0.40	Pass
NVNT	ANT1	1-DH5	1.650	164.00	270.600	0.40	Pass
NVNT	ANT1	1-DH5	2.900	101.00	292.900	0.40	Pass
NVNT	ANT1	2-DH3	1.660	165.00	273.900	0.40	Pass
NVNT	ANT1	2-DH5	2.900	106.00	307.400	0.40	Pass
NVNT	ANT1	3-DH3	1.650	156.00	257.400	0.40	Pass
NVNT	ANT1	3-DH5	2.910	108.00	314.280	0.40	Pass



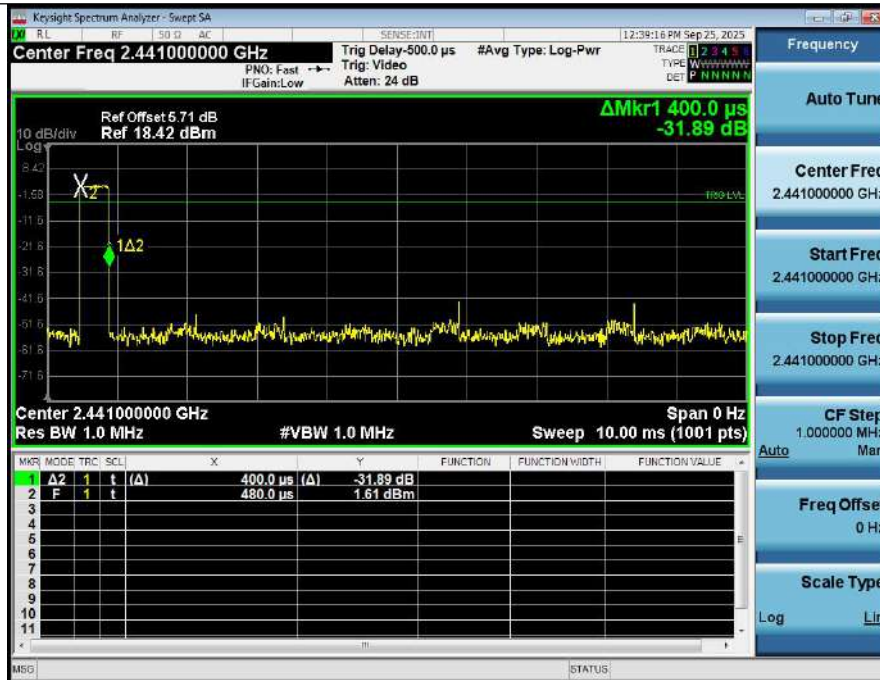
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 00 One Burst Time



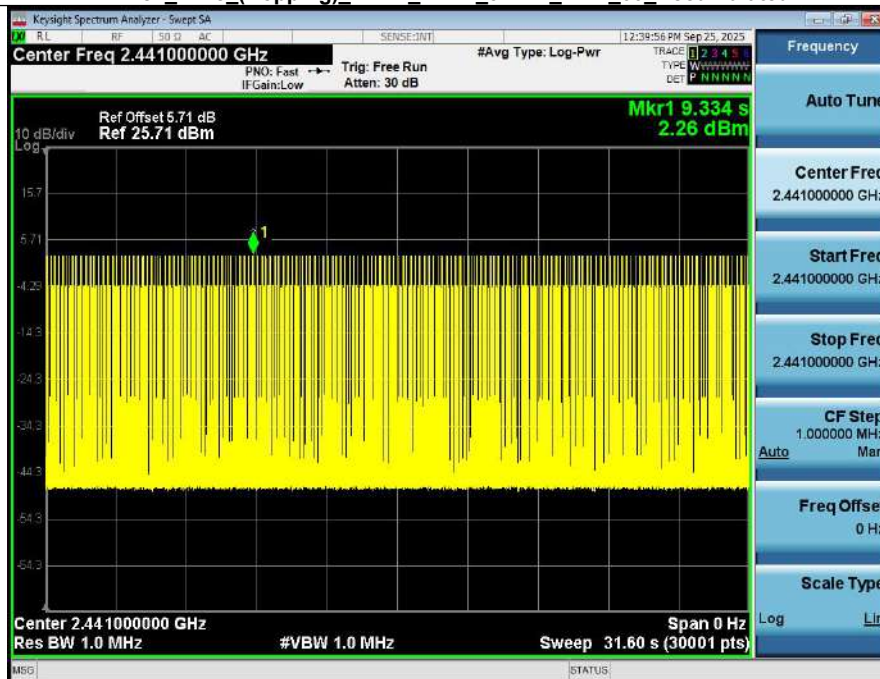
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_Accumulated



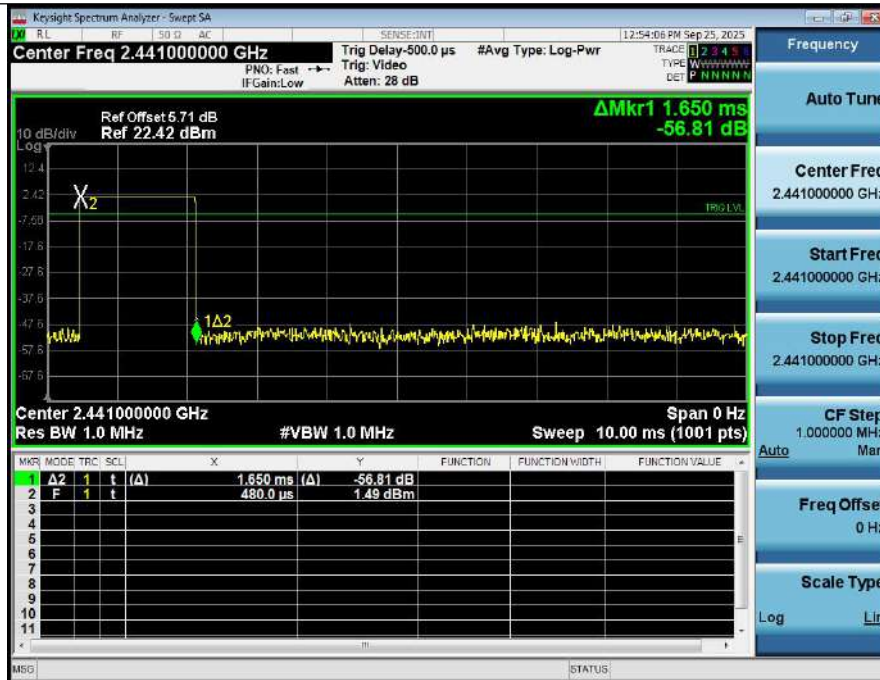
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_One Burst Time



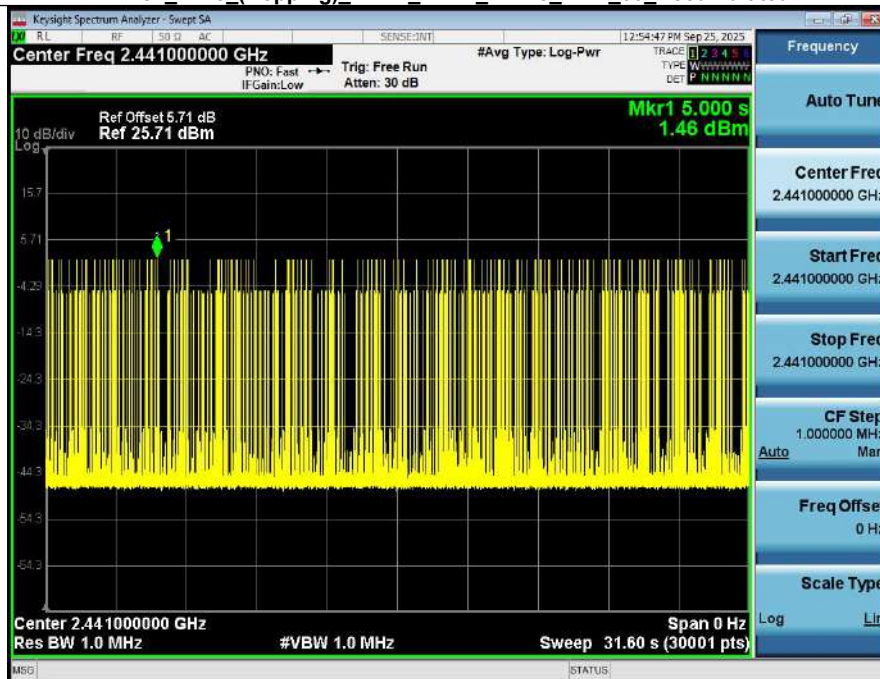
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_Accumulated



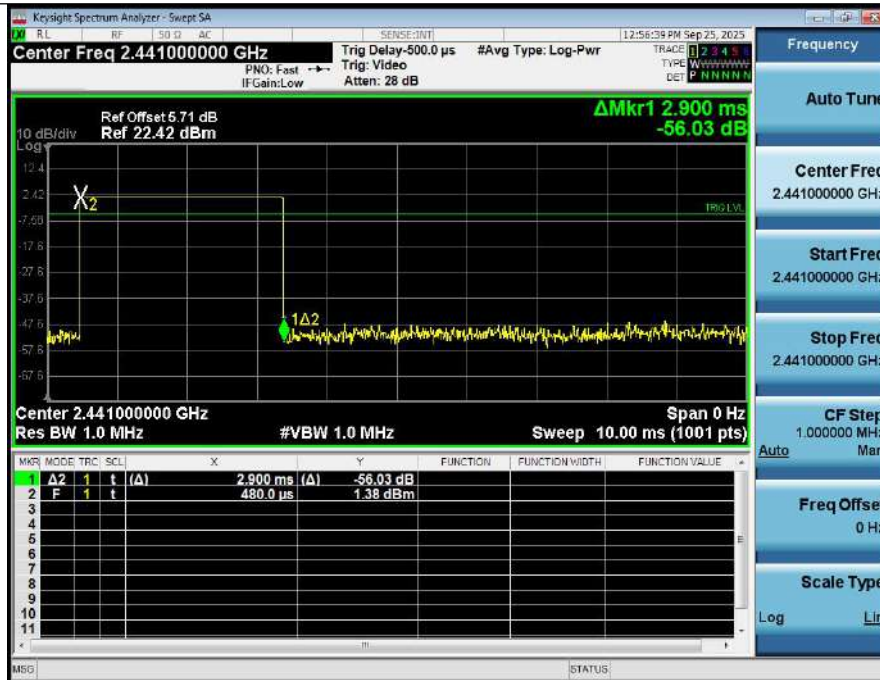
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_One_Burst Time



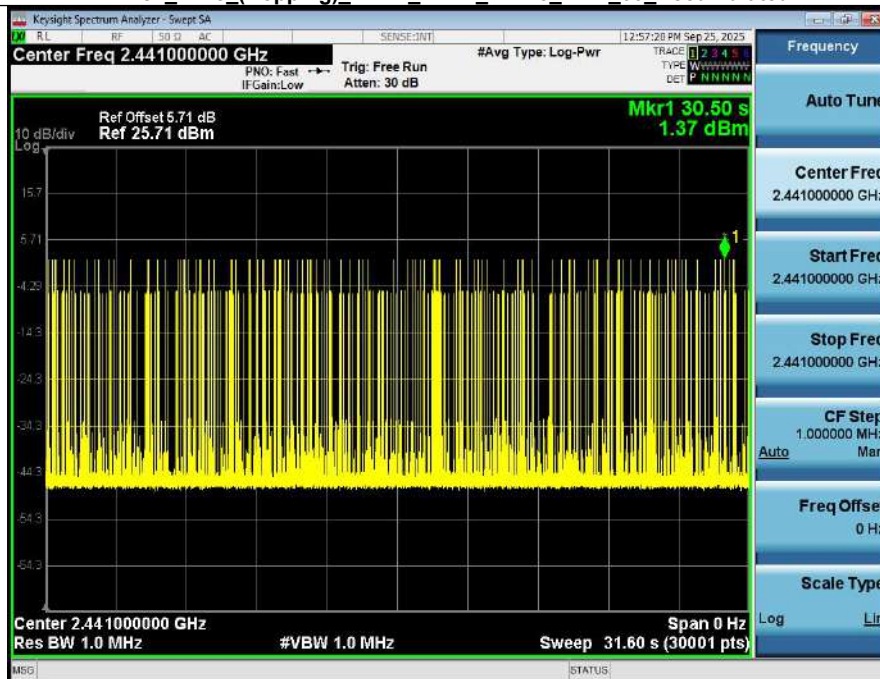
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_One Burst Time



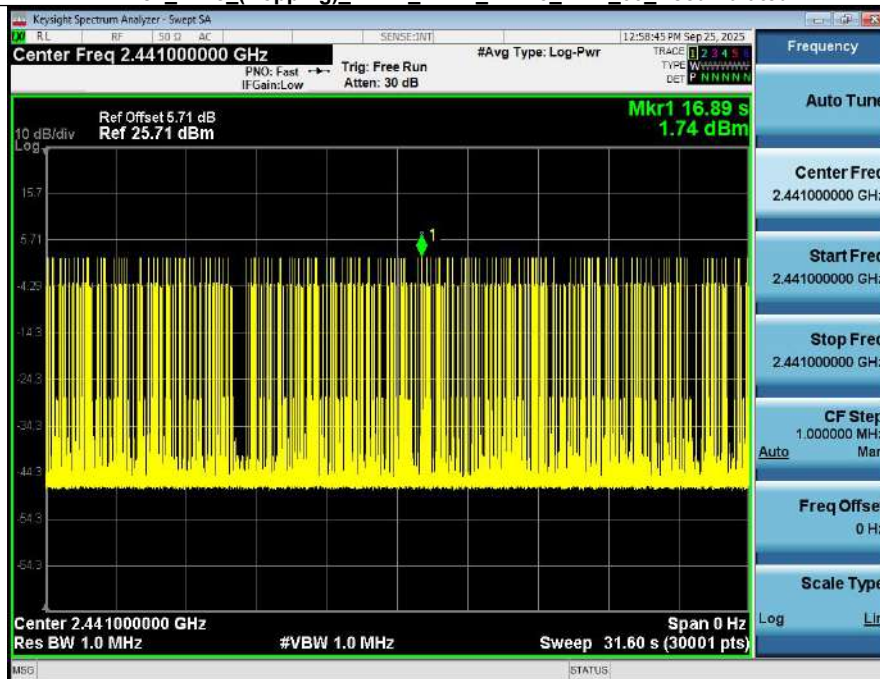
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated



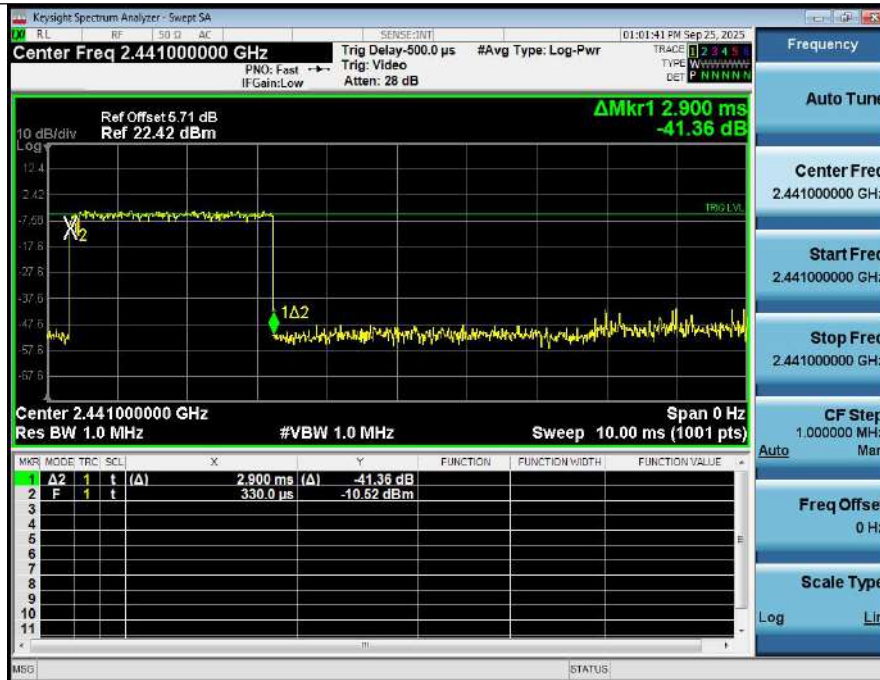
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_One Burst Time



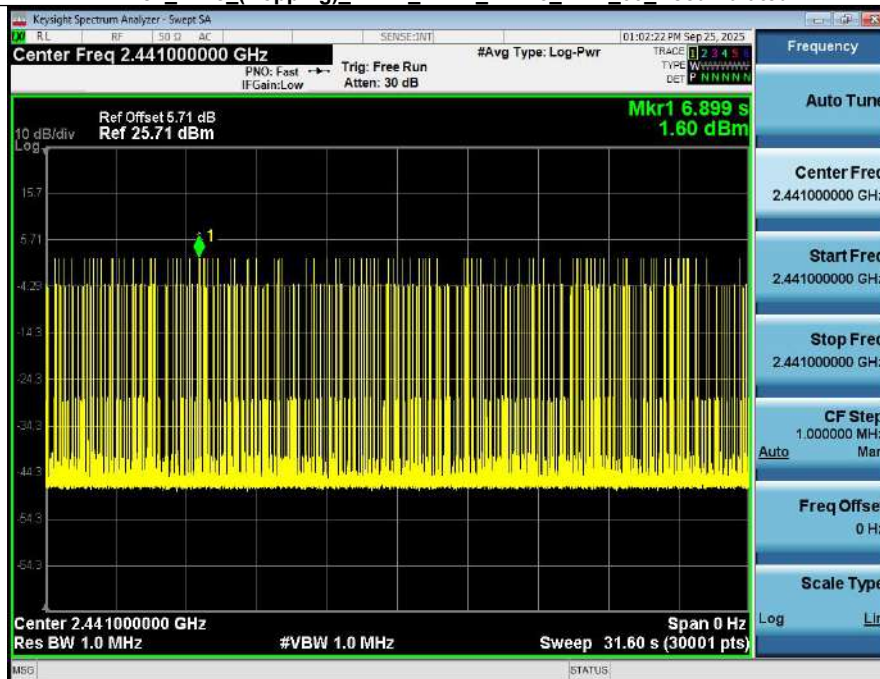
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_Accumulated



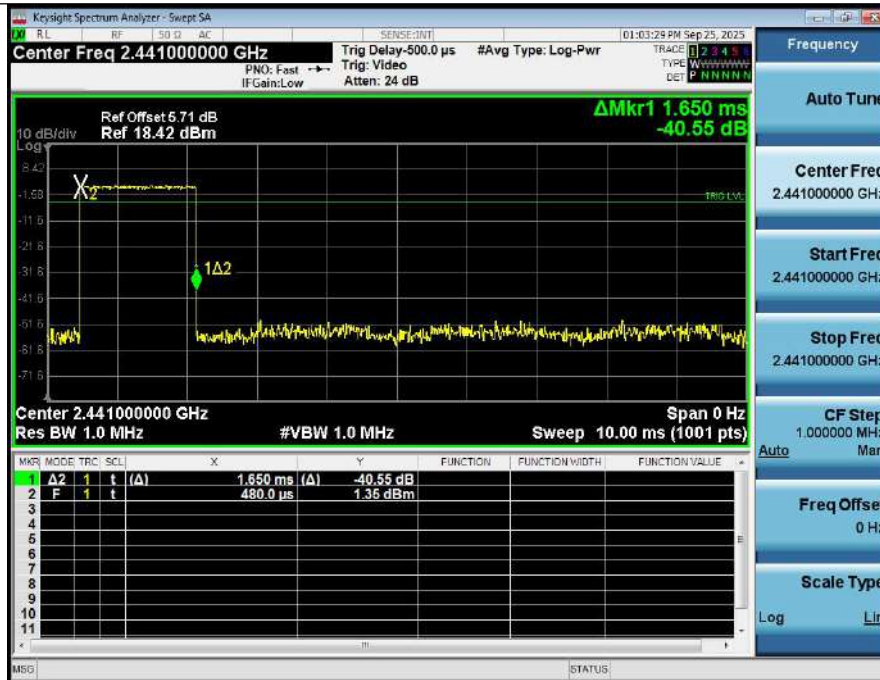
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_One Burst Time



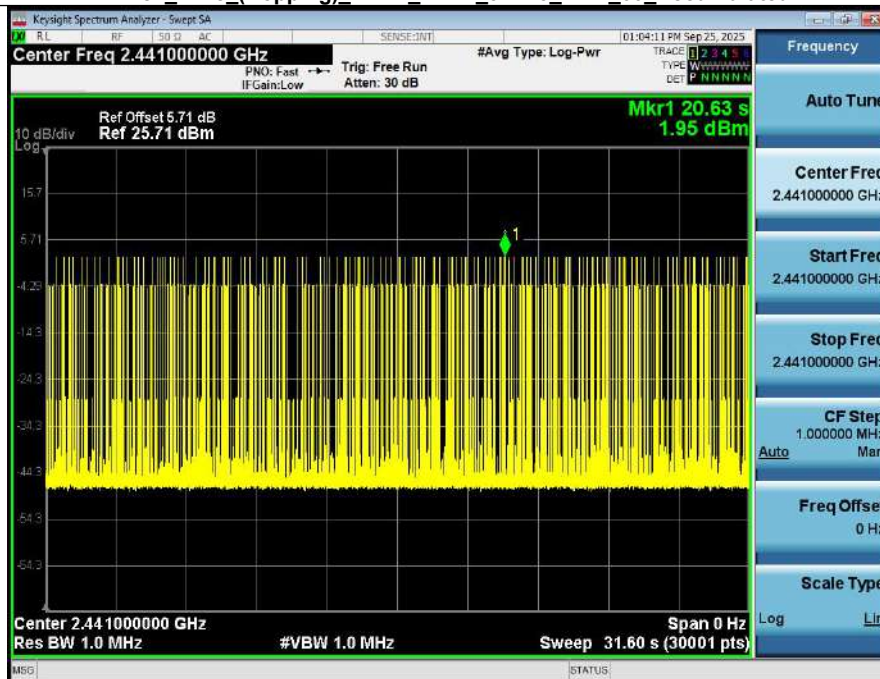
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_Accumulated



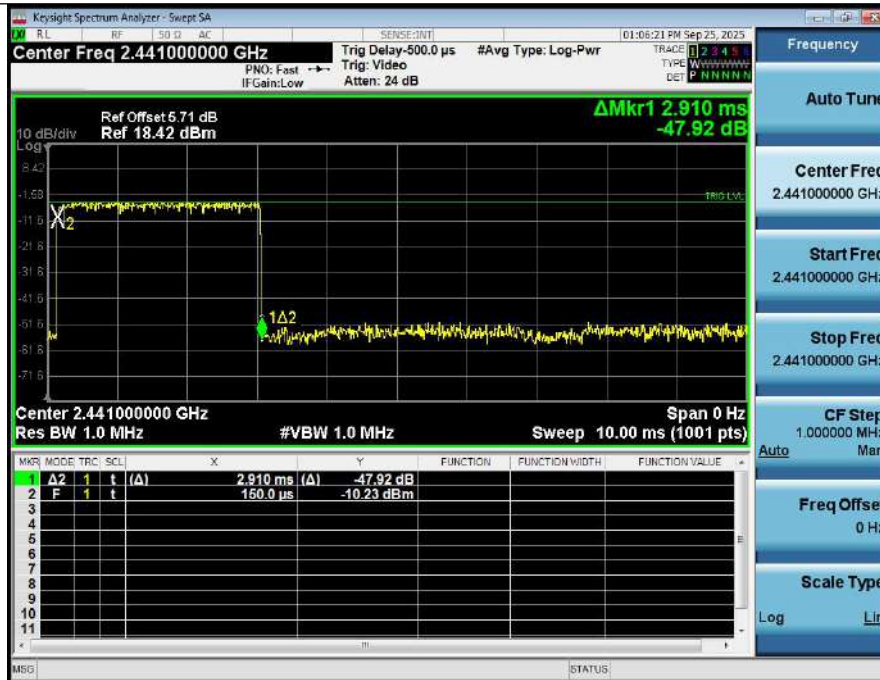
Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_One Burst Time



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

