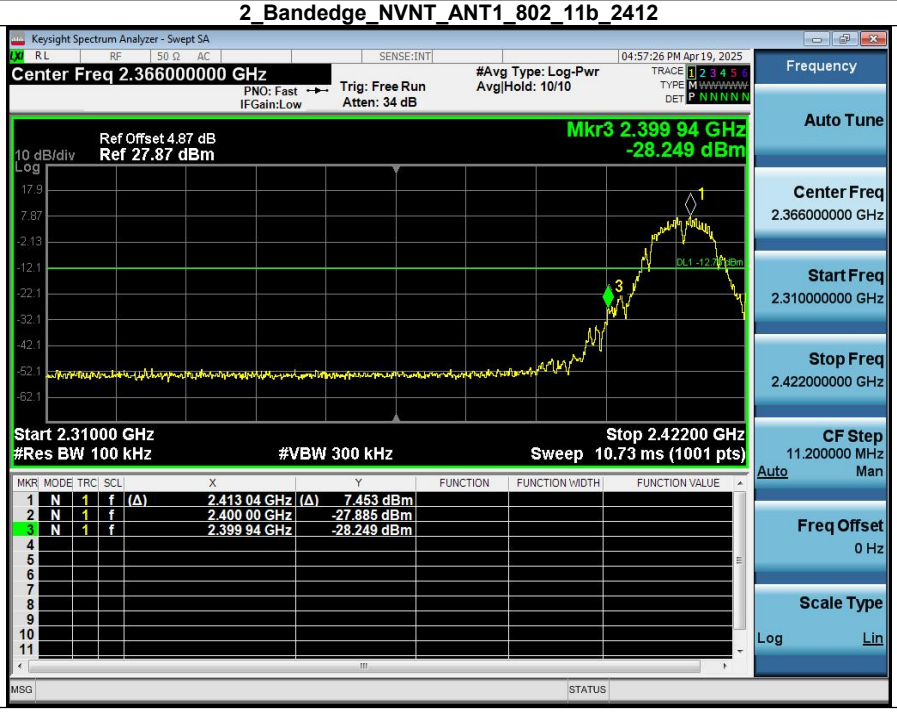
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	7.223	-28.249	-12.777	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	8.083	-44.302	-11.917	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	0.066	-31.539	-19.934	Pass
NVNT	ANT1	802.11g	2462.00	2483.872	2.127	-37.857	-17.873	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.600	0.718	-30.883	-19.282	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.776	1.072	-38.038	-18.928	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-2.568	-33.779	-22.568	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-2.653	-36.761	-22.653	Pass

1_Reference_Level_NVNT_ANT1_802_11b_2412

2_Bandedge_NVNT_ANT1_802_11b_2412

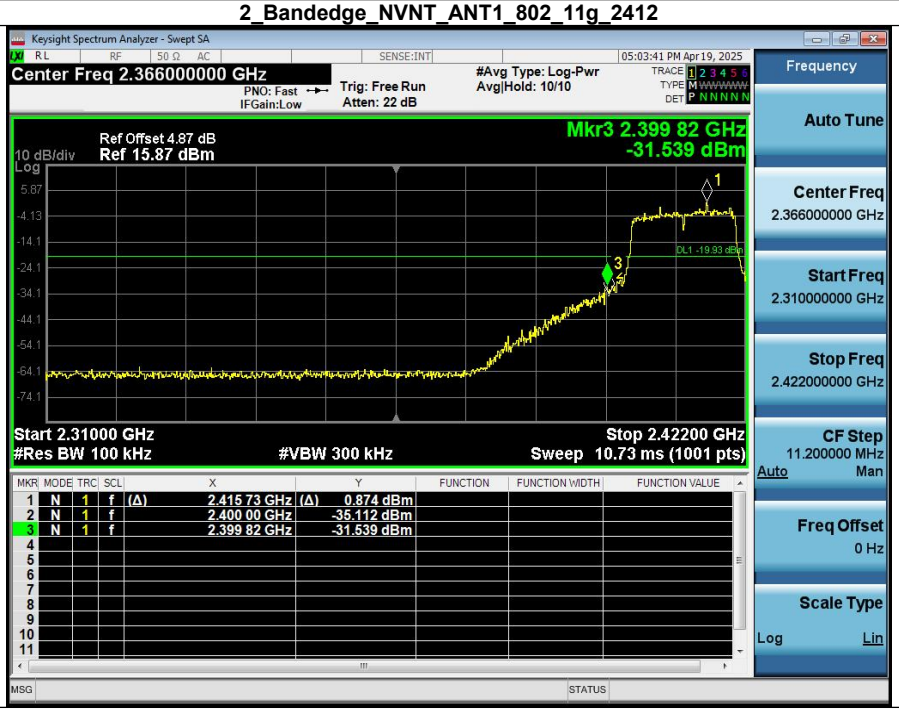


1_Reference_Level_NVNT_ANT1_802_11b_2462

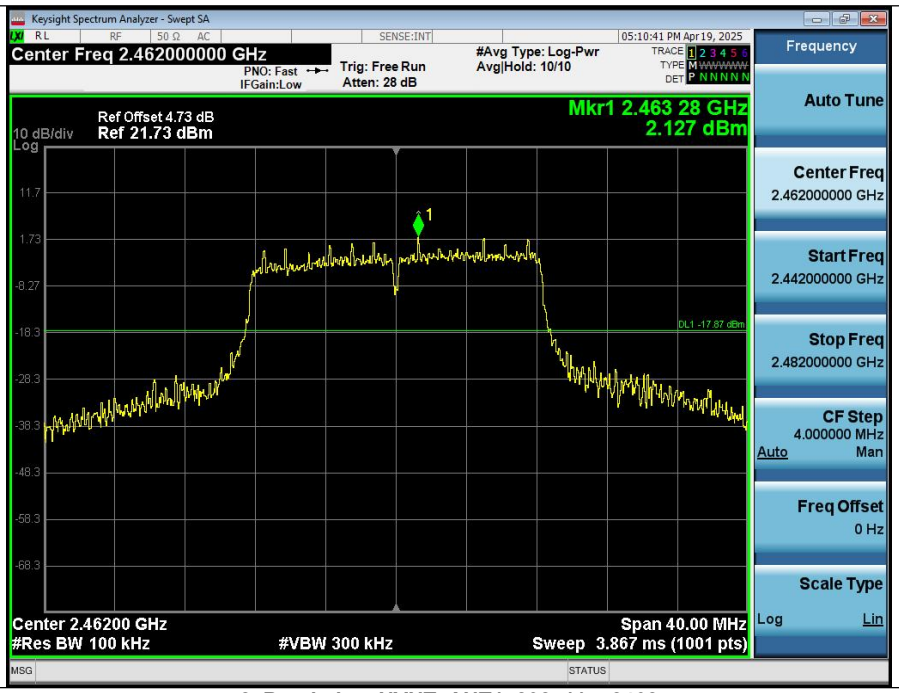
2_Bandedge_NVNT_ANT1_802_11b_2462

1_Reference_Level_NVNT_ANT1_802_11g_2412

2_Bandedge_NVNT_ANT1_802_11g_2412

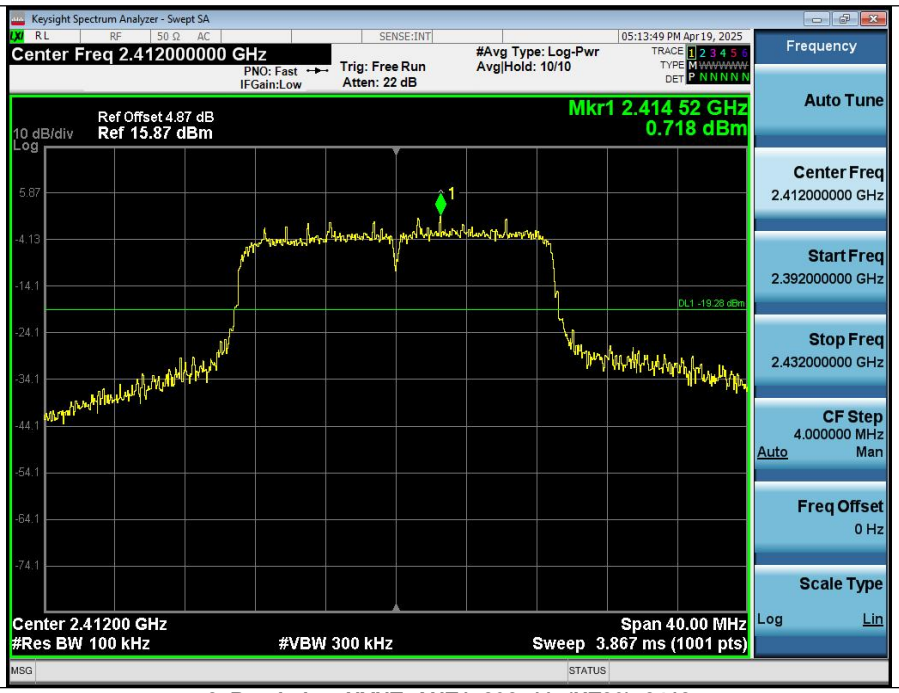


1_Reference_Level_NVNT_ANT1_802_11g_2462

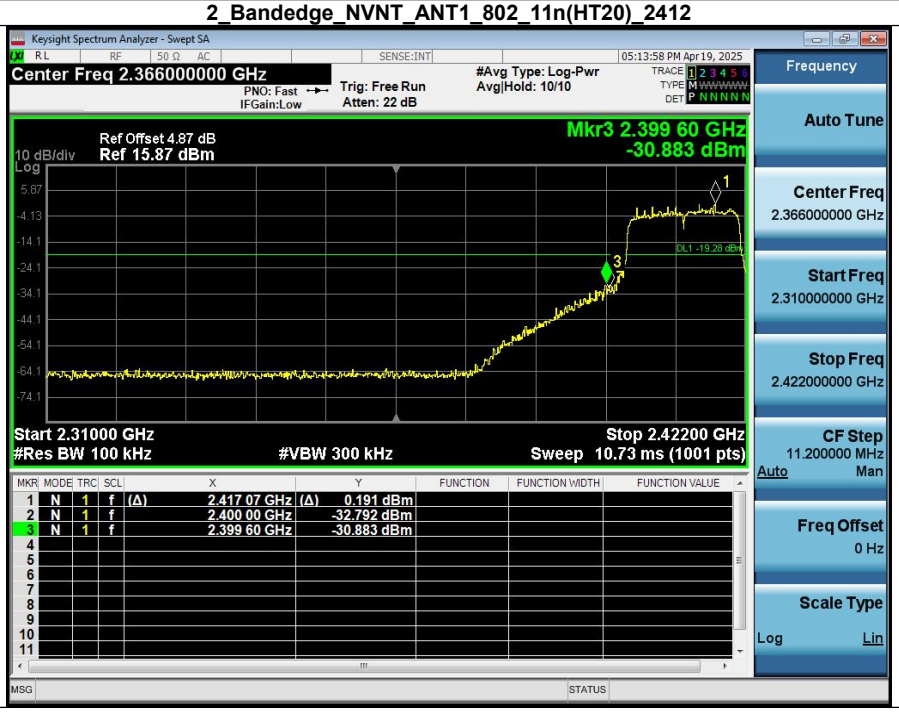


2_Bandedge_NVNT_ANT1_802_11g_2462

1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412

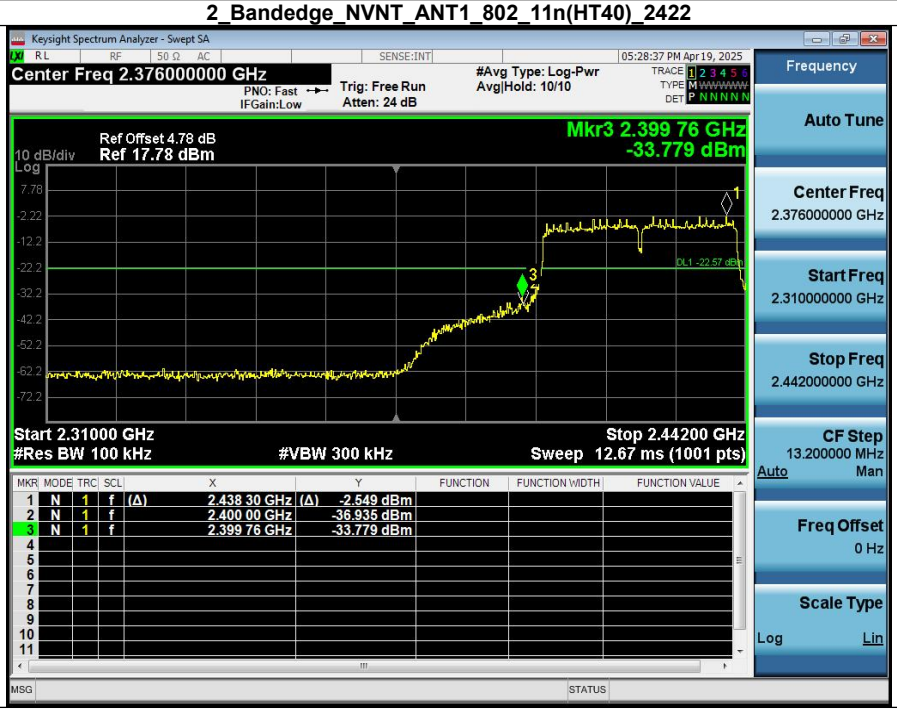


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462

1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422

2_Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452

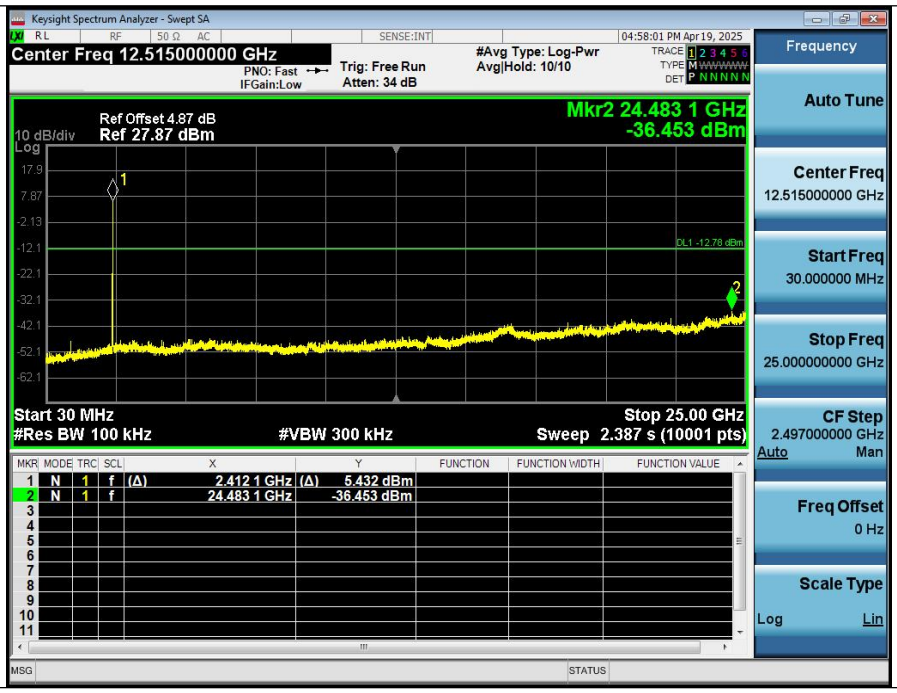
2_Bandedge_NVNT_ANT1_802_11n(HT40)_2452

6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24483.121	7.223	-36.453	-12.777	Pass
NVNT	ANT1	802.11b	2437.00	913.938	7.367	-31.070	-12.633	Pass
NVNT	ANT1	802.11b	2462.00	24920.096	8.083	-41.015	-11.917	Pass
NVNT	ANT1	802.11g	2412.00	24972.533	0.066	-48.088	-19.934	Pass
NVNT	ANT1	802.11g	2437.00	24995.006	0.795	-49.604	-19.205	Pass
NVNT	ANT1	802.11g	2462.00	24915.102	2.127	-42.609	-17.873	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24498.103	0.718	-49.260	-19.282	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24972.533	0.548	-48.833	-19.452	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24960.048	1.072	-49.237	-18.928	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24972.533	-2.568	-45.939	-22.568	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24975.030	-2.737	-47.113	-22.737	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24970.036	-2.653	-46.177	-22.653	Pass

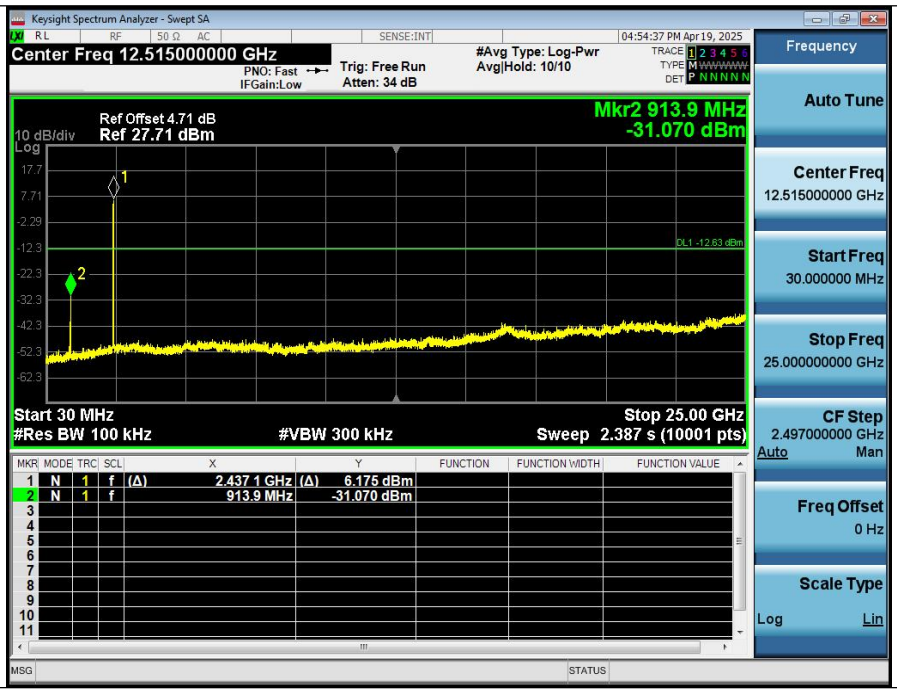
1_Reference_Level_NVNT_ANT1_802_11b_2412

2_Spurious_Emission_NVNT_ANT1_802_11b_2412



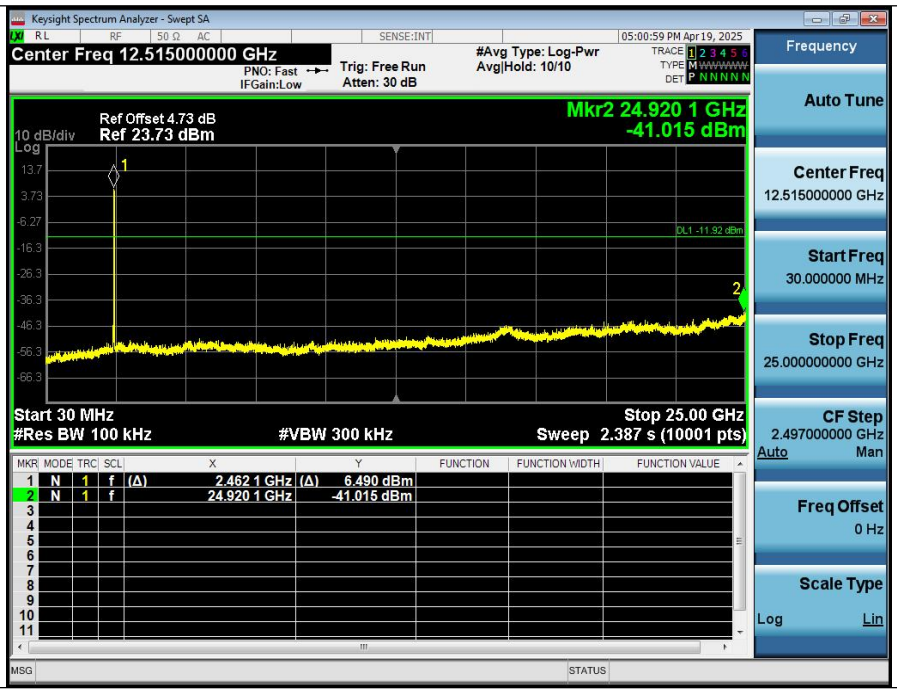
1_Reference_Level_NVNT_ANT1_802_11b_2437

2_Spurious_Emission_NVNT_ANT1_802_11b_2437

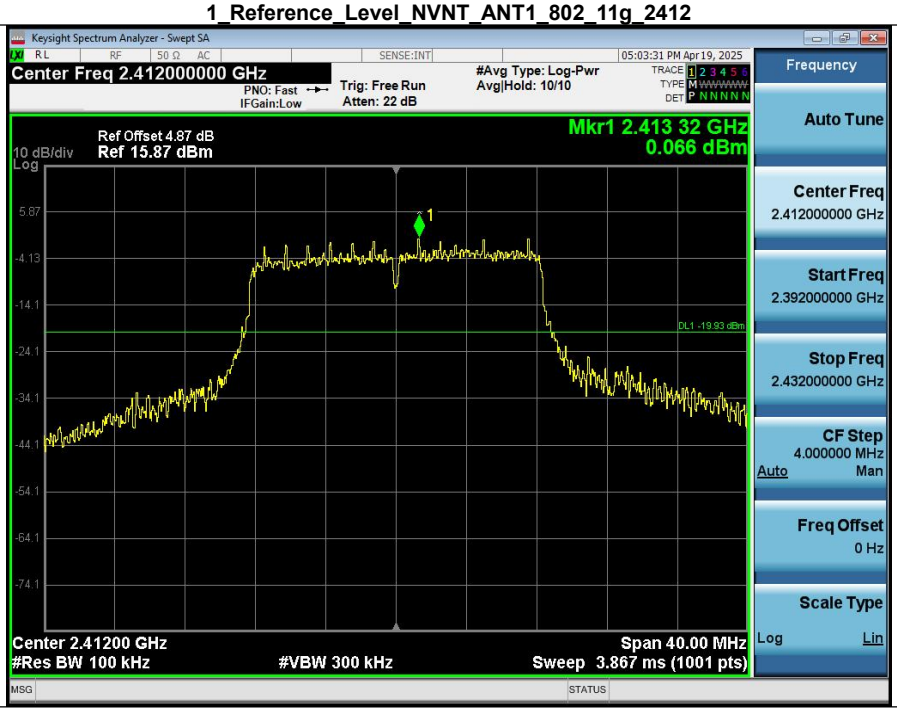


1_Reference_Level_NVNT_ANT1_802_11b_2462

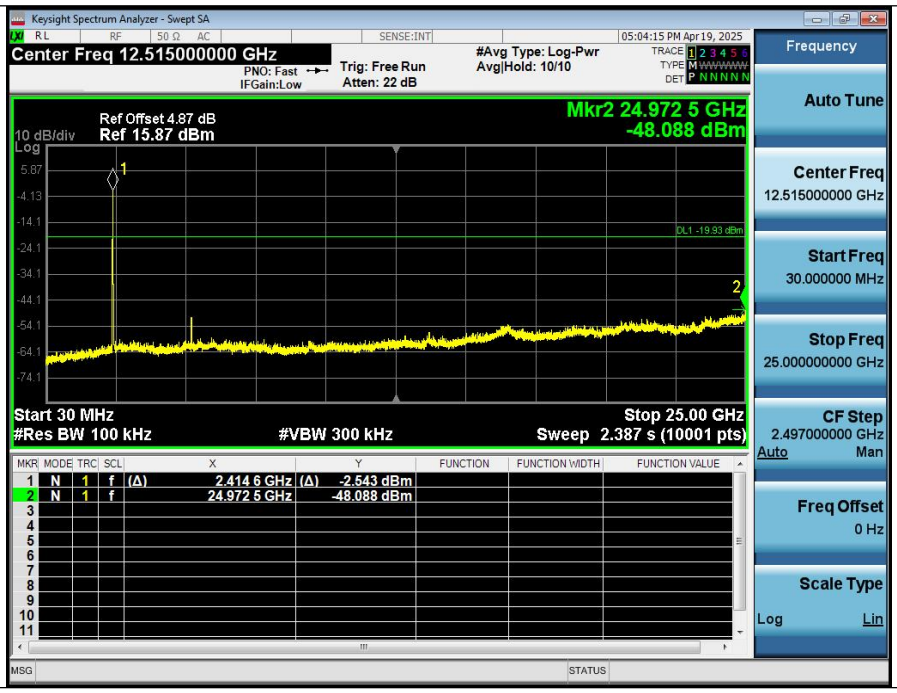
2_Spurious_Emission_NVNT_ANT1_802_11b_2462



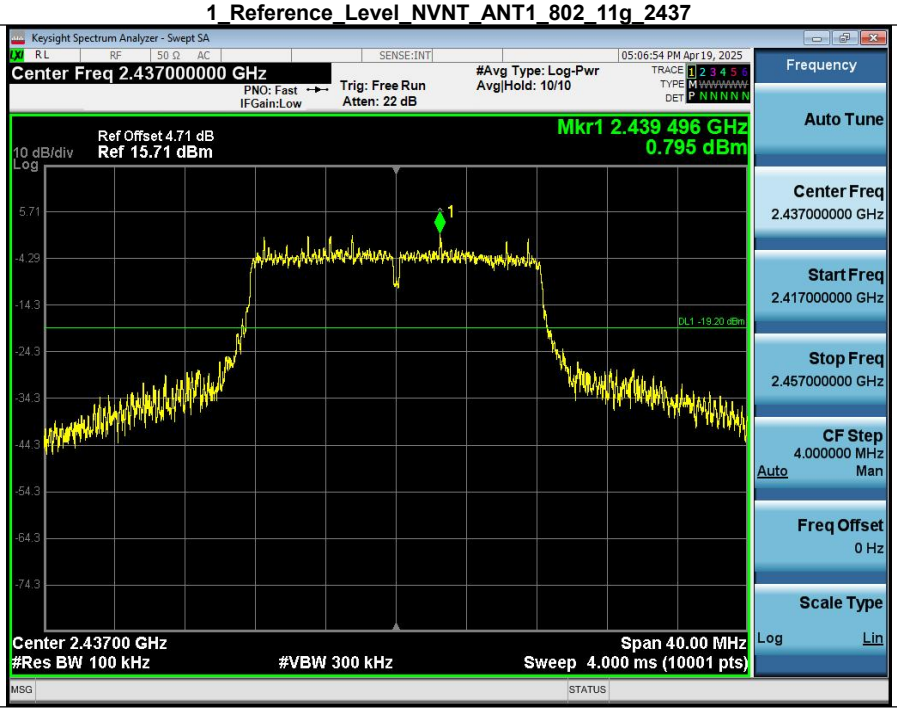
1_Reference_Level_NVNT_ANT1_802_11g_2412



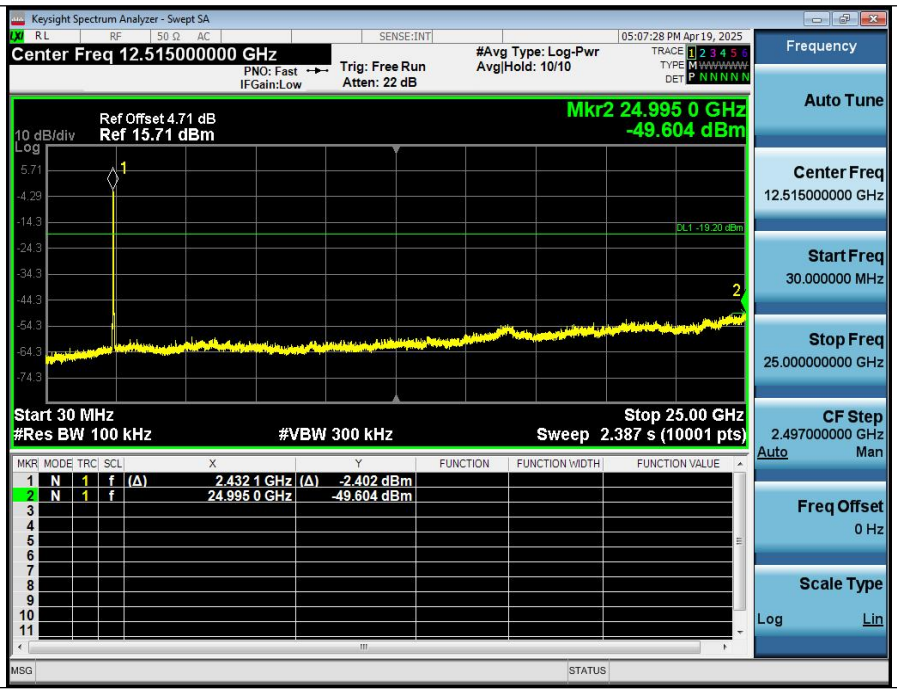
2_Spurious_Emission_NVNT_ANT1_802_11g_2412



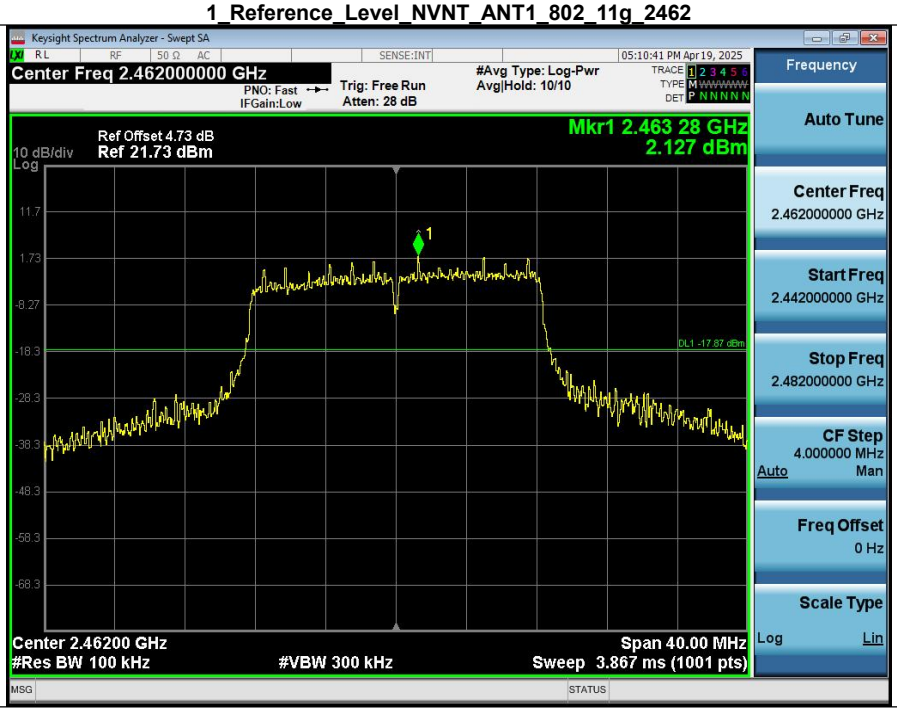
1_Reference_Level_NVNT_ANT1_802_11g_2437



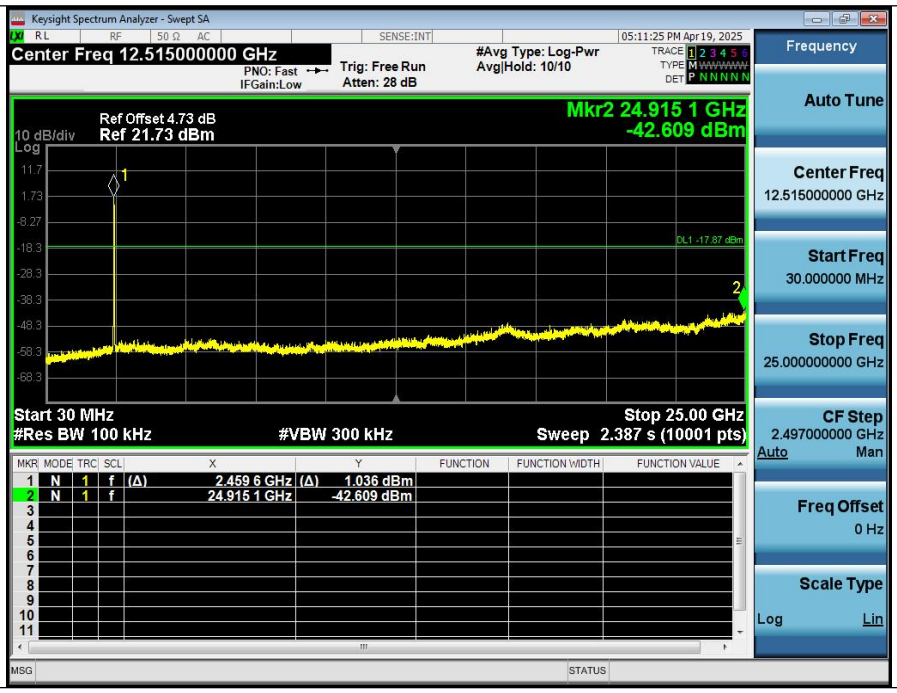
2_Spurious_Emission_NVNT_ANT1_802_11g_2437



1_Reference_Level_NVNT_ANT1_802_11g_2462

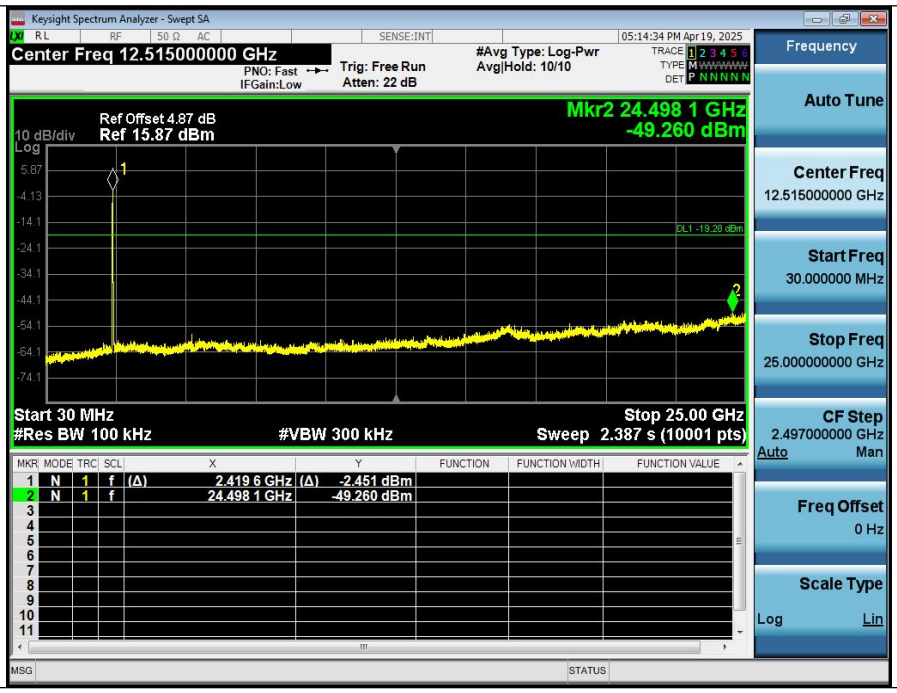


2_Spurious_Emission_NVNT_ANT1_802_11g_2462

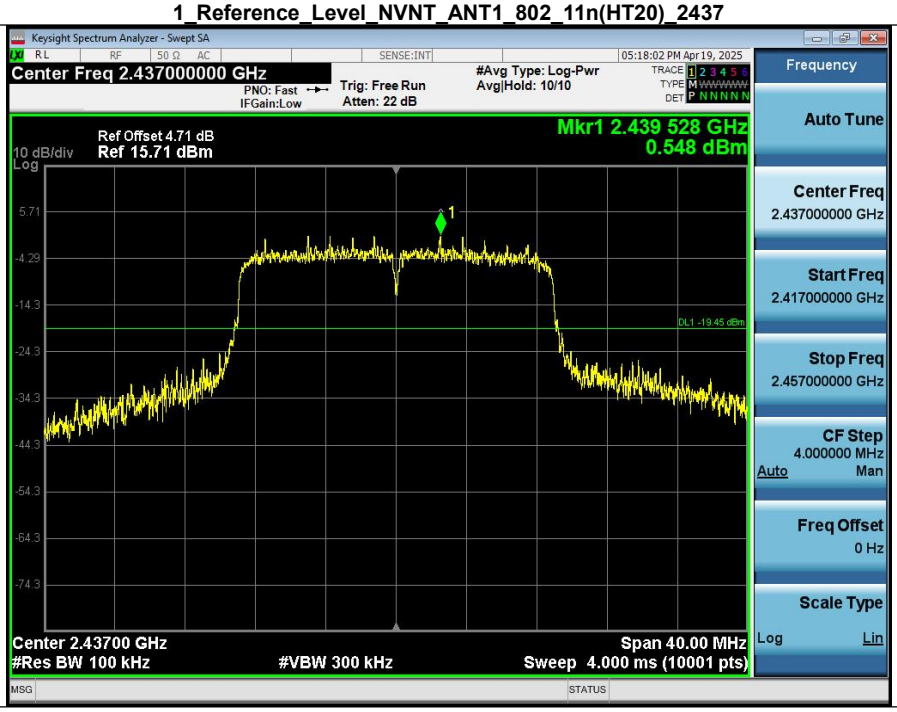


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

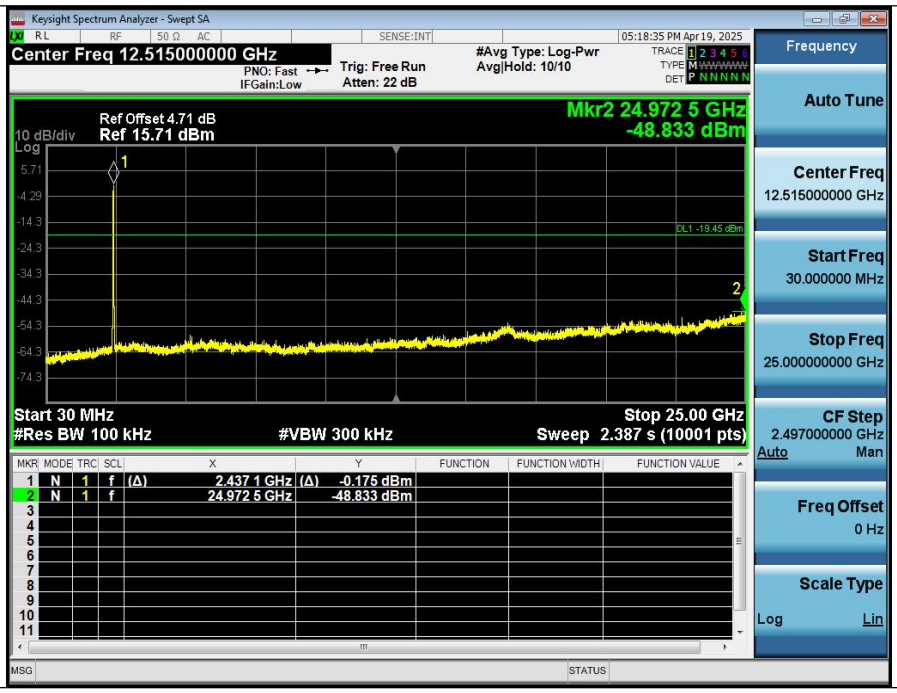
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437

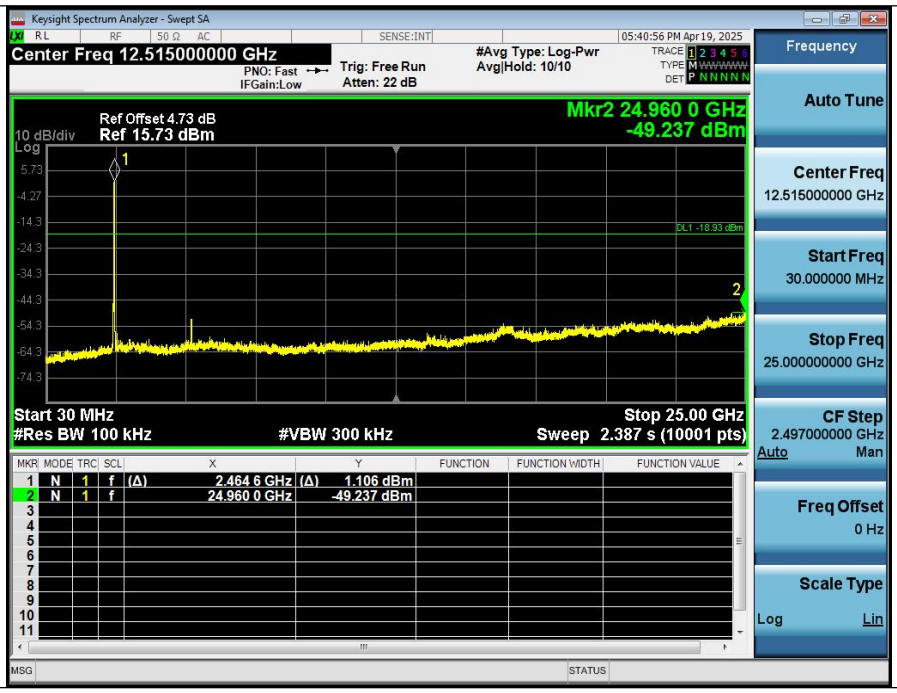


2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2437

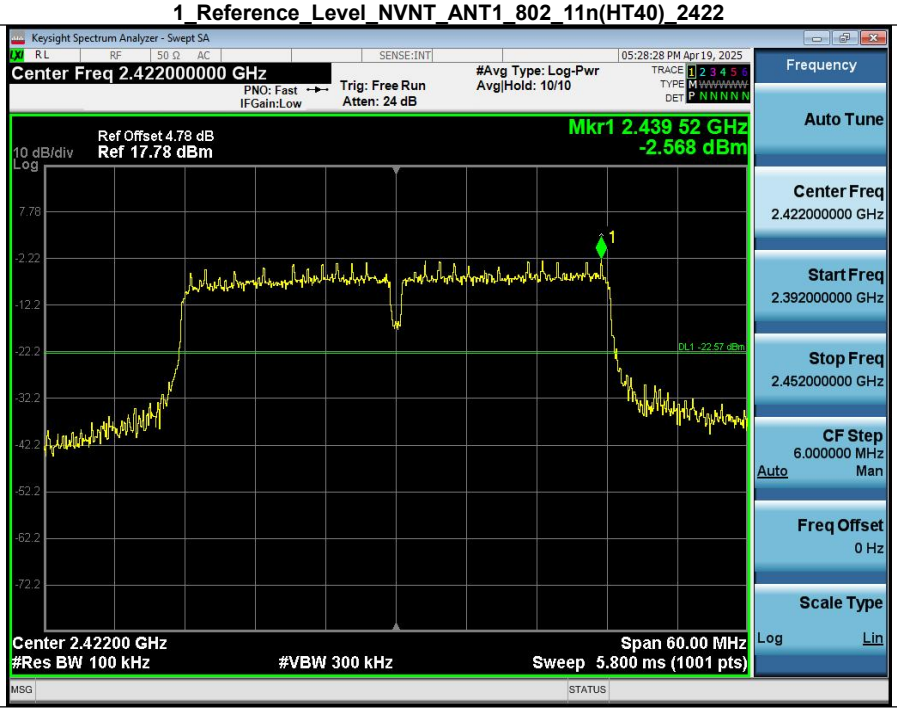


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

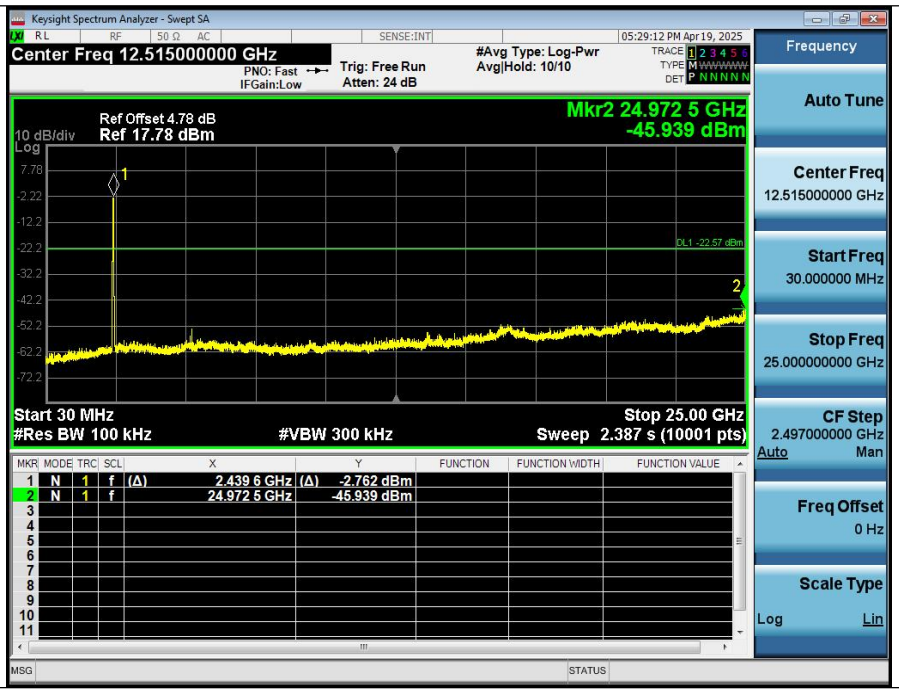
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



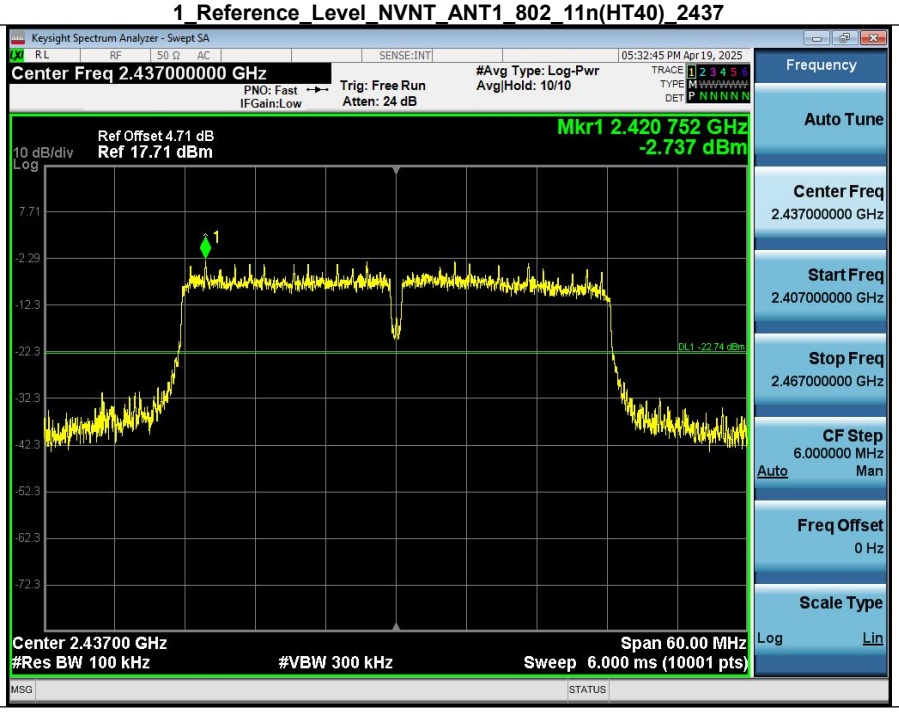
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



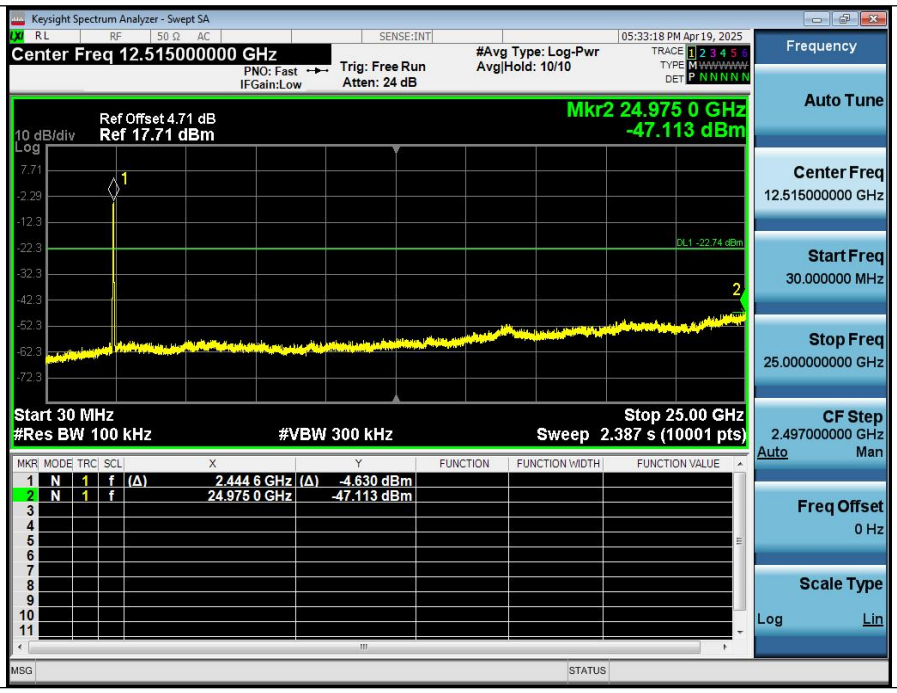
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2422



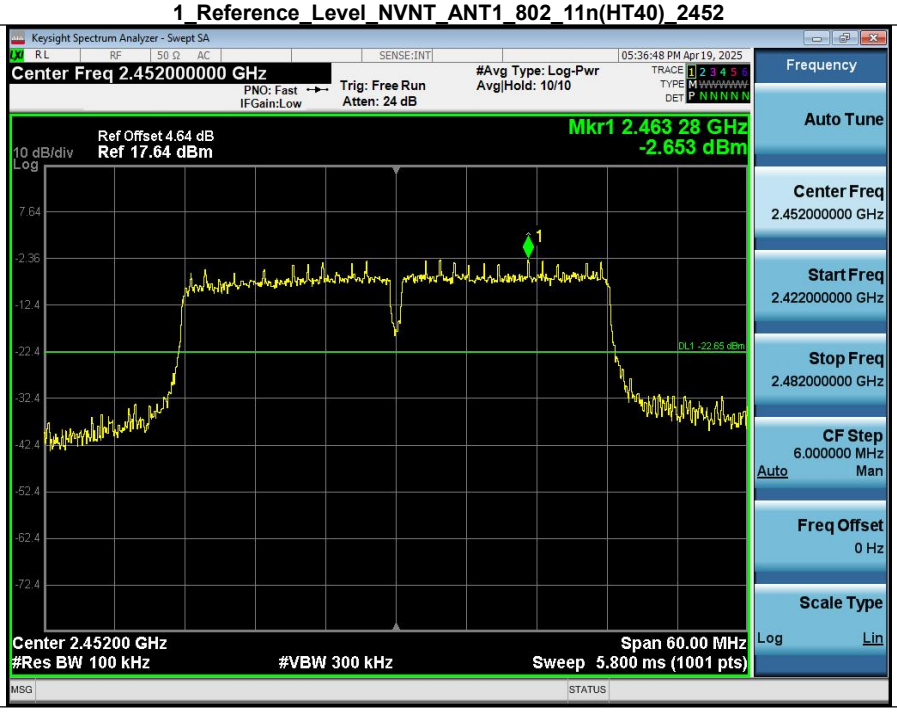
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2437



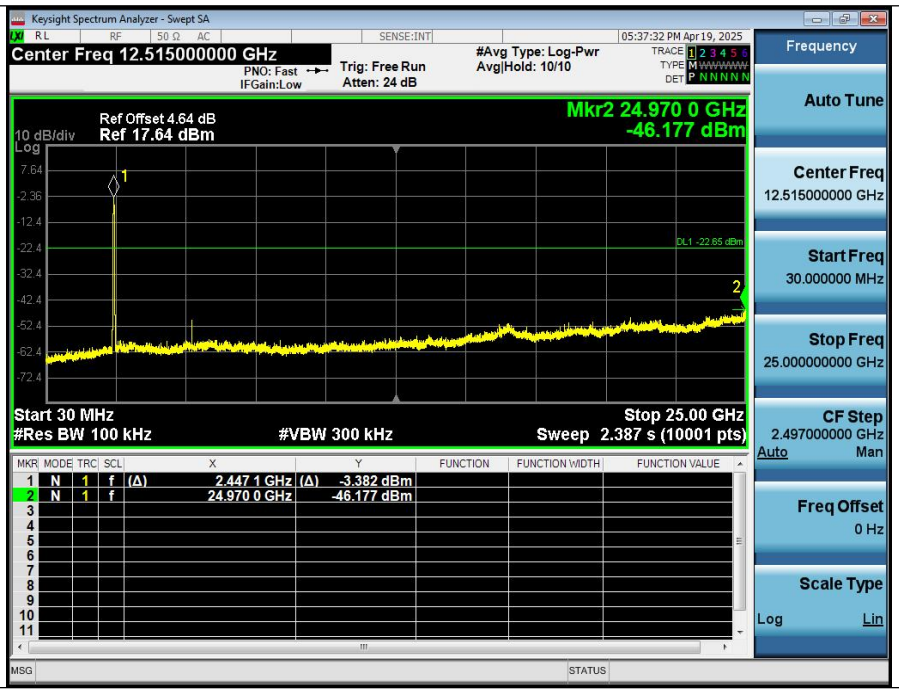
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452


Keysight Spectrum Analyzer - Swept SA
Center Freq 12.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 24 dB
#Avg Type: Log-Pwr
Avg|Hold: 10/10
05:37:32 PM Apr 19, 2025
Ref Offset 4.64 dB
10 dB/div
Ref 17.64 dBm
Mkr2 24.970 0 GHz
-46.177 dBm
DL1 -22.65 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.00 GHz
Sweep 2.387 s (10001 pts)
1 N 1 f (Δ) 2.447 1 GHz (Δ) -3.382 dBm
2 N 1 f 24.970 0 GHz -46.177 dBm
Frequency
Auto Tune
Center Freq
12.515000000 GHz
Start Freq
30.000000 MHz
Stop Freq
25.000000000 GHz
CF Step
2.497000000 GHz
Auto Man
Freq Offset
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Scale Type
Log Lin