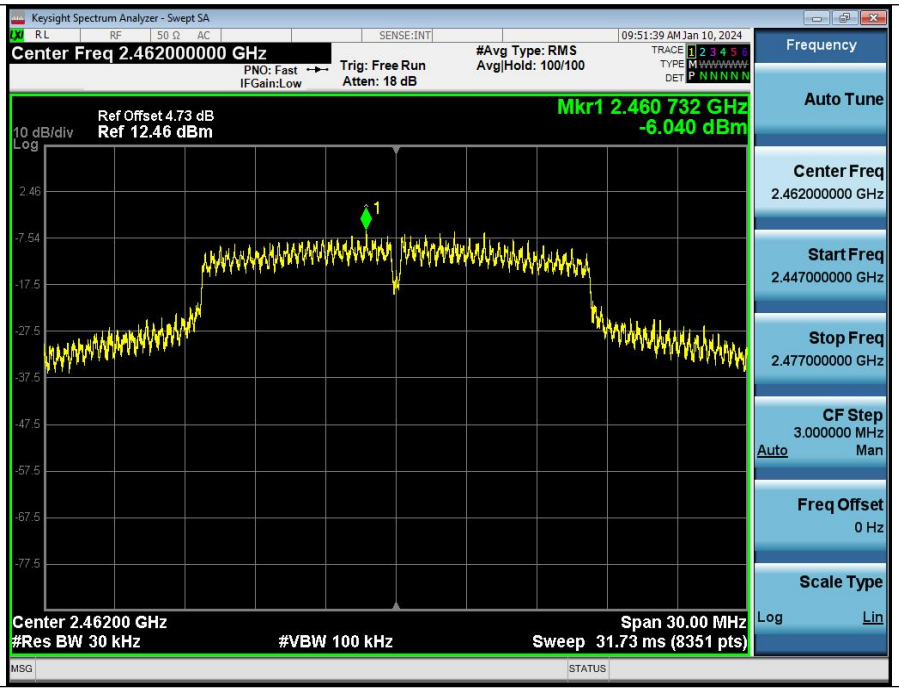
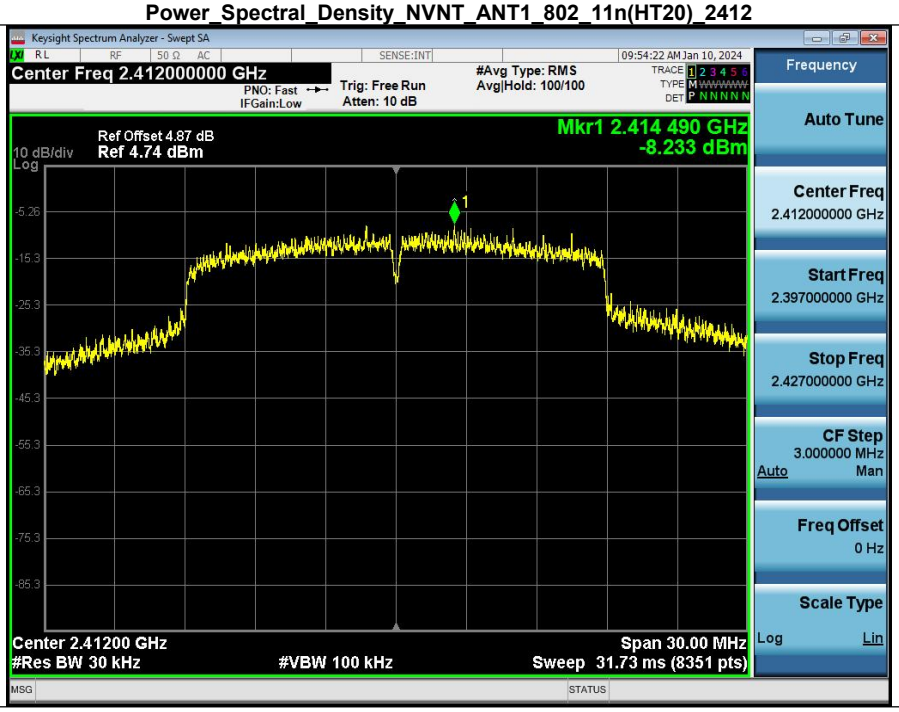
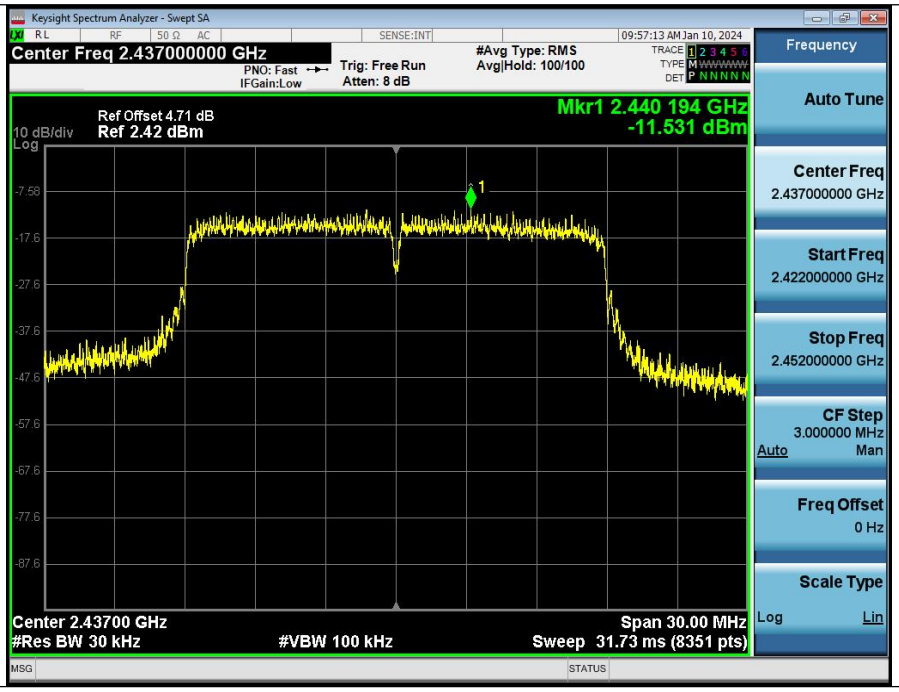


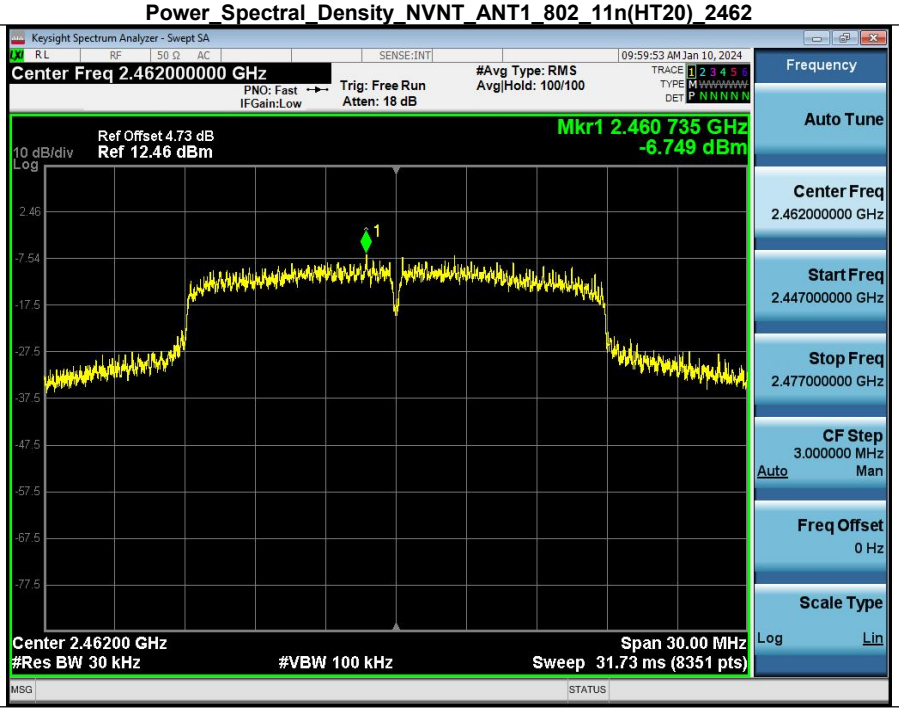
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



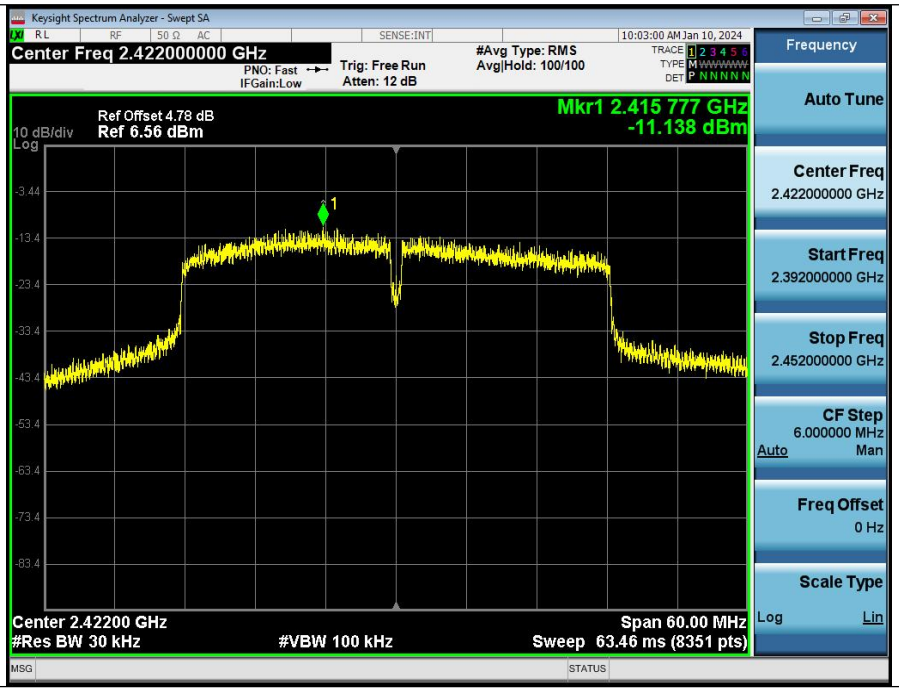
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



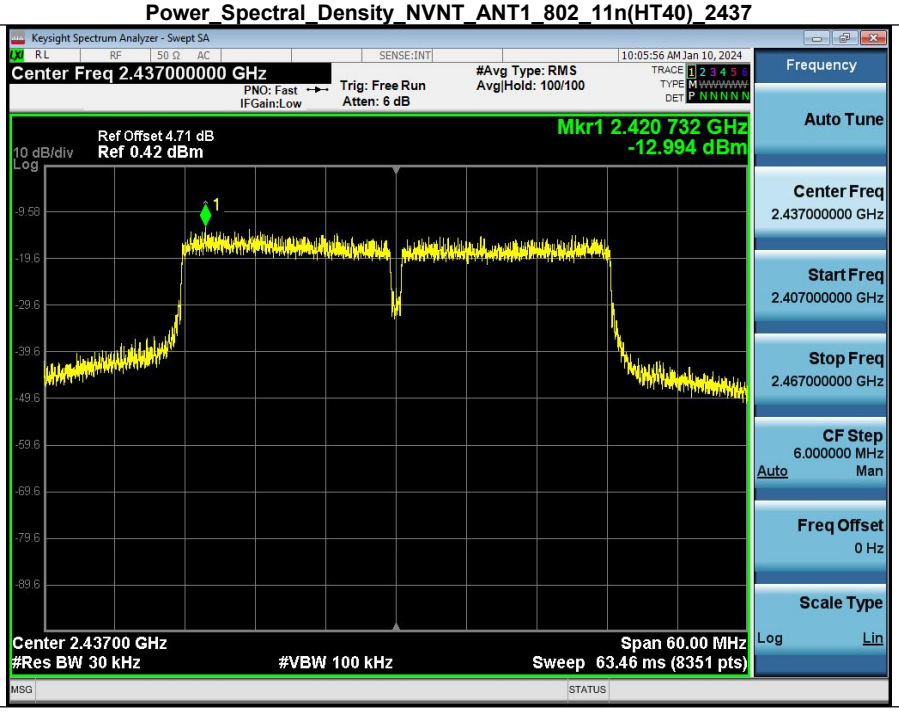
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



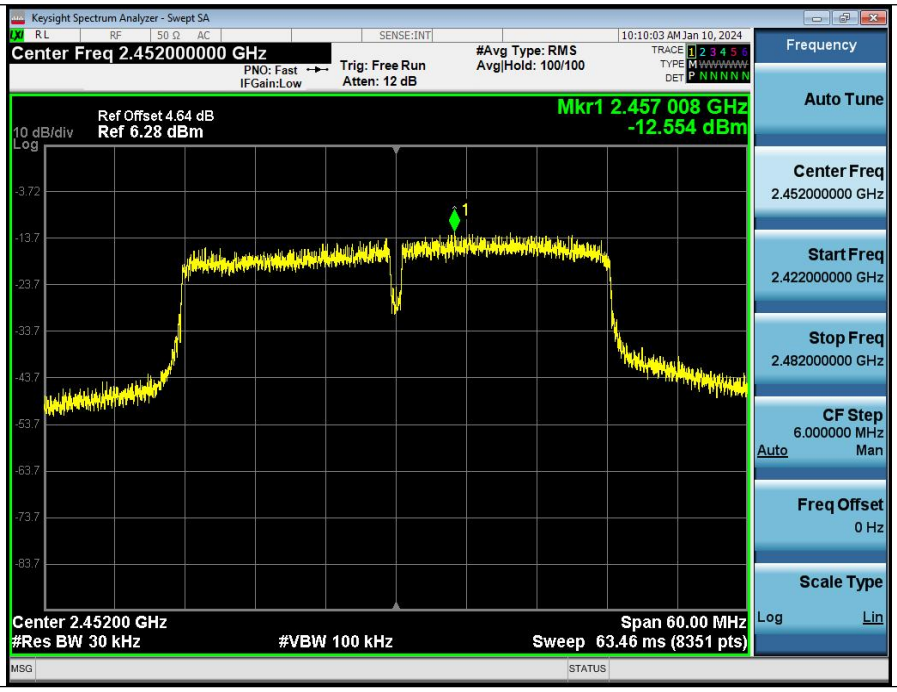
Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2437



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2452


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 12 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:10:03 AM Jan 10, 2024
Ref Offset 4.64 dB
10 dB/div
Ref 6.28 dBm
Log
Mkr1 2.457 008 GHz
-12.554 dBm
Center 2.45200 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 60.00 MHz
Sweep 63.46 ms (8351 pts)
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.482000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin

6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	-32.277	-20.070	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	-48.743	-18.332	Pass
NVNT	ANT1	802.11g	2412.00	2399.488	-24.172	-22.806	Pass
NVNT	ANT1	802.11g	2462.00	2484.496	-36.479	-21.937	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-27.105	-23.152	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.536	-35.901	-22.600	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.892	-31.594	-25.575	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2486.060	-38.944	-27.017	Pass

1_Reference_Level_NVNT_ANT1_802_11b_2412

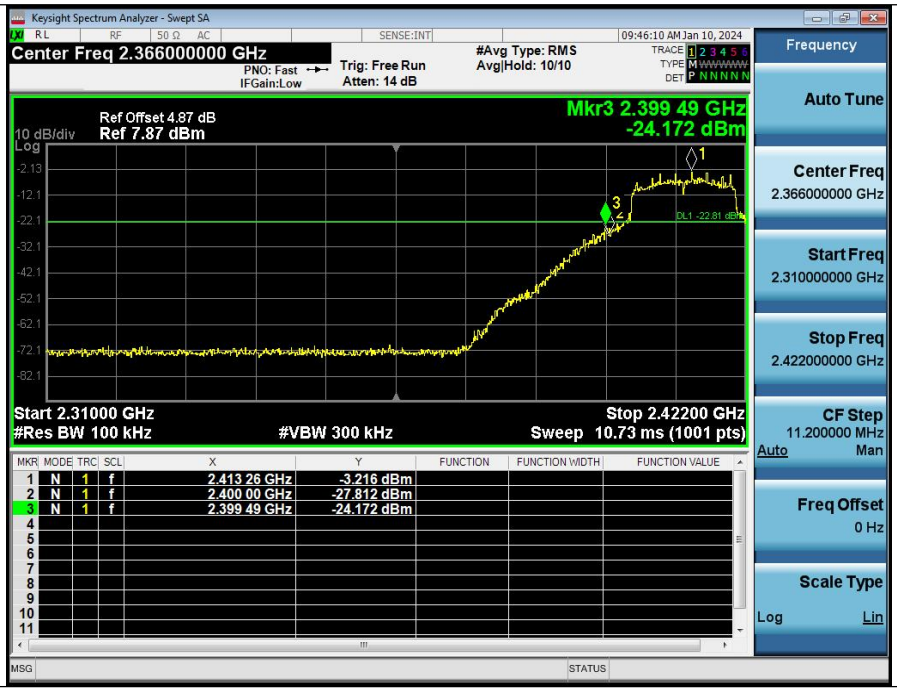
2_Bandedge_NVNT_ANT1_802_11b_2412

1_Reference_Level_NVNT_ANT1_802_11b_2462

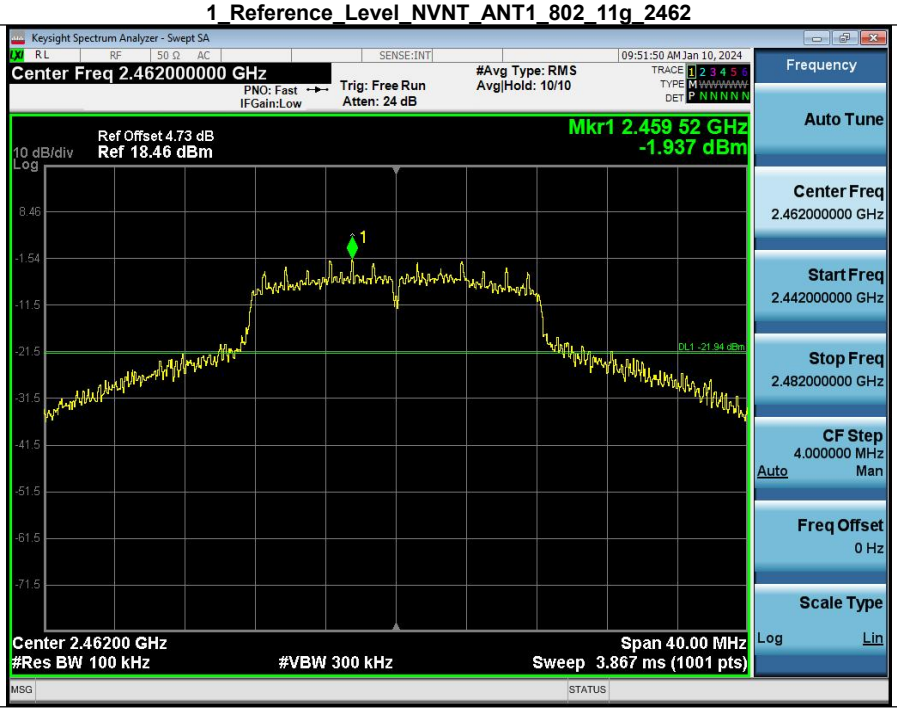
2_Bandedge_NVNT_ANT1_802_11b_2462

1_Reference_Level_NVNT_ANT1_802_11g_2412

2_Bandedge_NVNT_ANT1_802_11g_2412



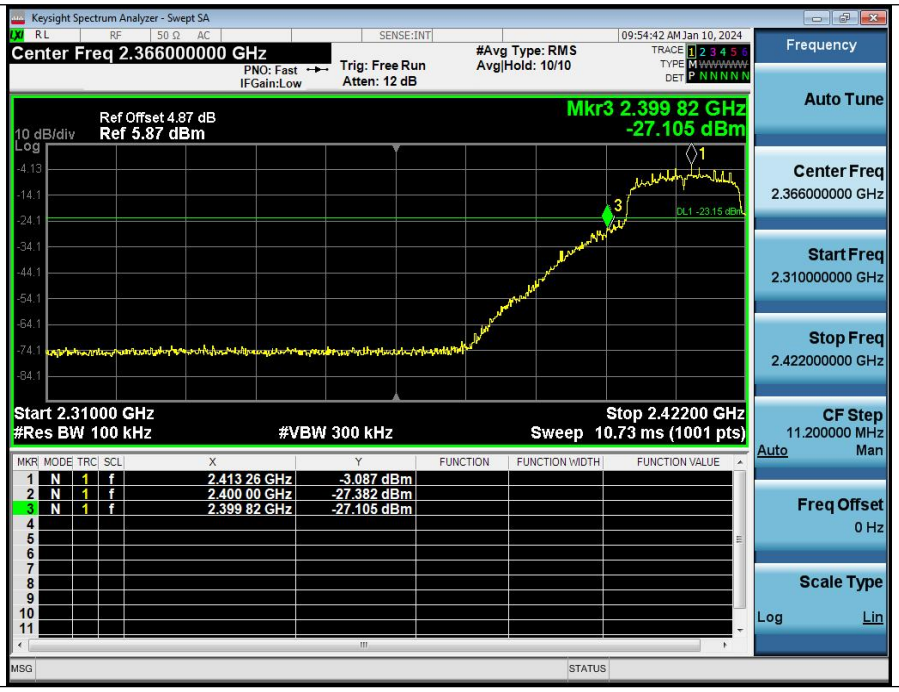
1_Reference_Level_NVNT_ANT1_802_11g_2462



2_Bandedge_NVNT_ANT1_802_11g_2462

1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412

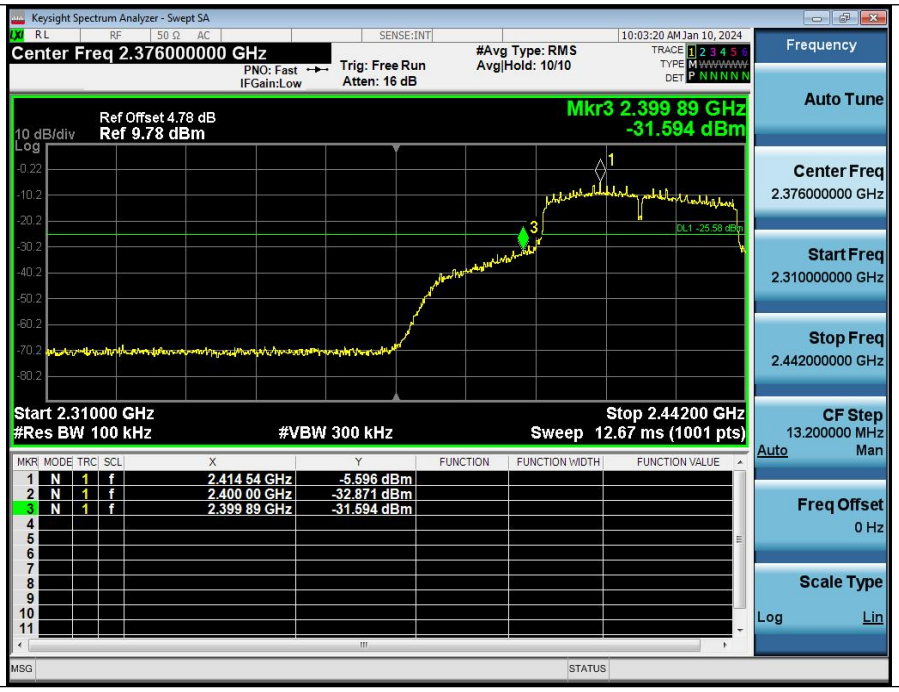


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

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

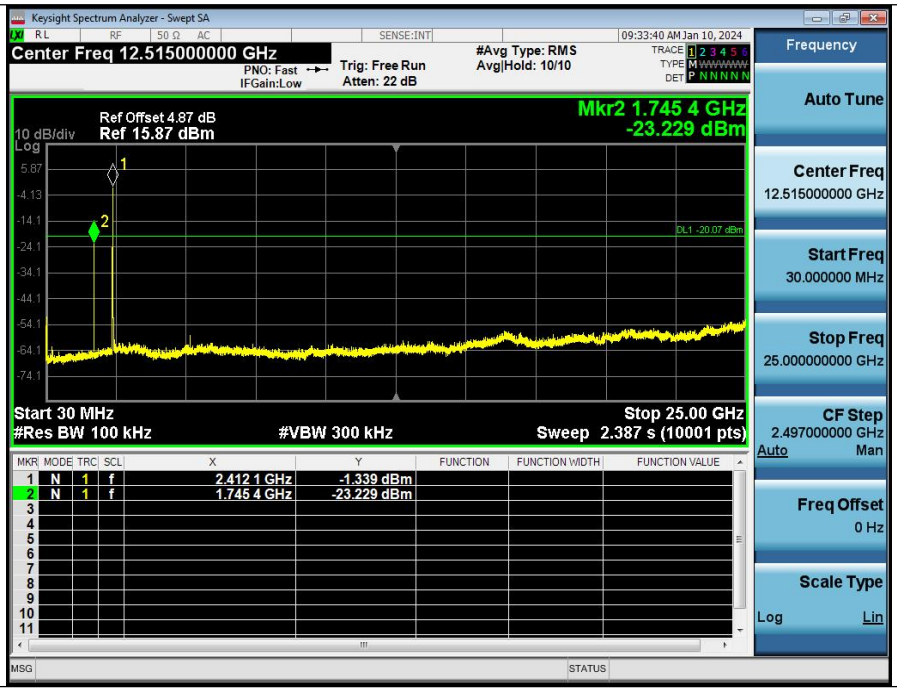
Keysight Spectrum Analyzer - Swept SA
Center Freq 2.466000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 14 dB
#Avg Type: RMS
Avg|Hold: 10/10
10:10:24 AM Jan 10, 2024
Ref Offset 4.64 dB
10 dB/div
Ref 7.64 dBm
Log
Mkr3 2.486 060 GHz
-38.944 dBm
Start 2.43200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.50000 GHz
Sweep 6.533 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.464 504 GHz -7.221 dBm
2 N 1 f 2.483 500 GHz -41.902 dBm
3 N 1 f 2.486 060 GHz -38.944 dBm
Frequency
Auto Tune
Center Freq
2.466000000 GHz
Start Freq
2.432000000 GHz
Stop Freq
2.500000000 GHz
CF Step
6.800000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin
MSG
STATUS

7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	1745.439	-23.229	-20.070	Pass
NVNT	ANT1	802.11b	2437.00	52.473	-51.070	-22.309	Pass
NVNT	ANT1	802.11b	2462.00	52.473	-49.575	-18.332	Pass
NVNT	ANT1	802.11g	2412.00	52.473	-50.250	-22.806	Pass
NVNT	ANT1	802.11g	2437.00	49.976	-49.924	-25.982	Pass
NVNT	ANT1	802.11g	2462.00	49.976	-49.277	-21.937	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	49.976	-49.793	-23.152	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	52.473	-50.887	-27.053	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	721.669	-34.245	-22.600	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	52.473	-49.163	-25.575	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	49.976	-49.586	-27.811	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	49.976	-48.673	-27.017	Pass

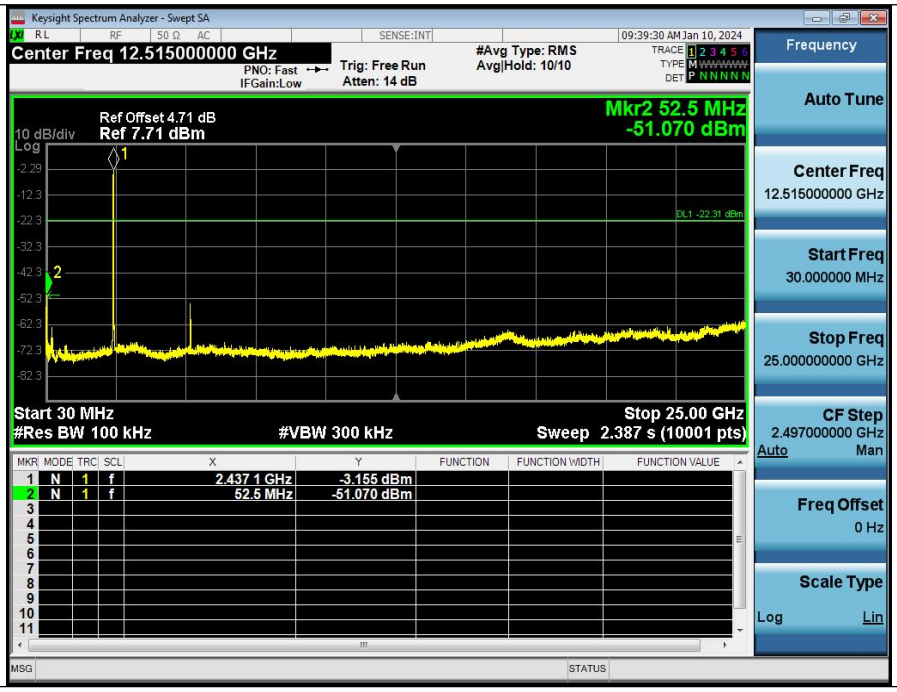
1_Reference_Level_NVNT_ANT1_802_11b_2412

2_Spurious_Emission_NVNT_ANT1_802_11b_2412



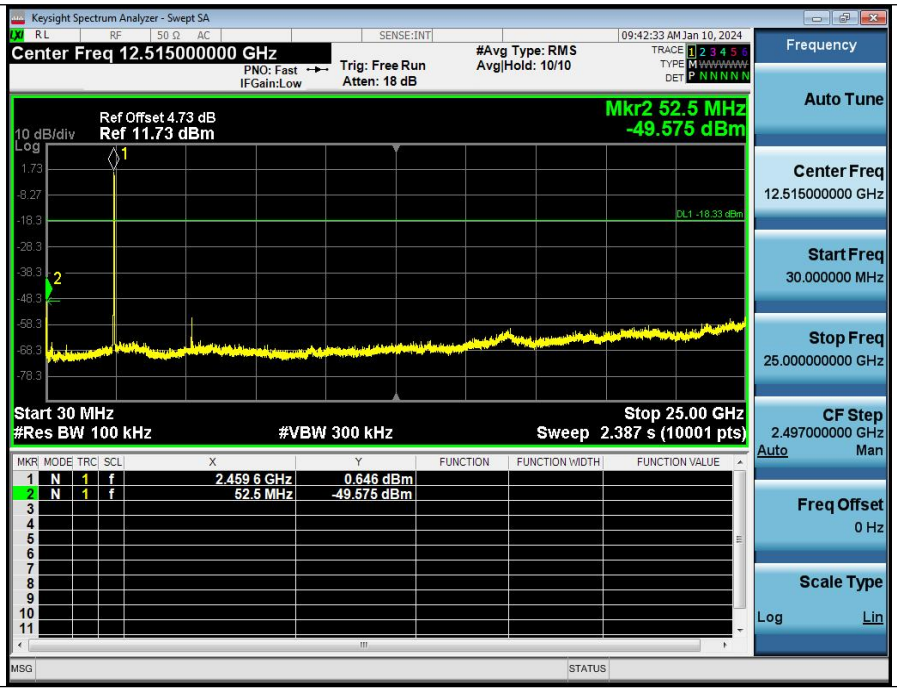
1_Reference_Level_NVNT_ANT1_802_11b_2437

2_Spurious_Emission_NVNT_ANT1_802_11b_2437



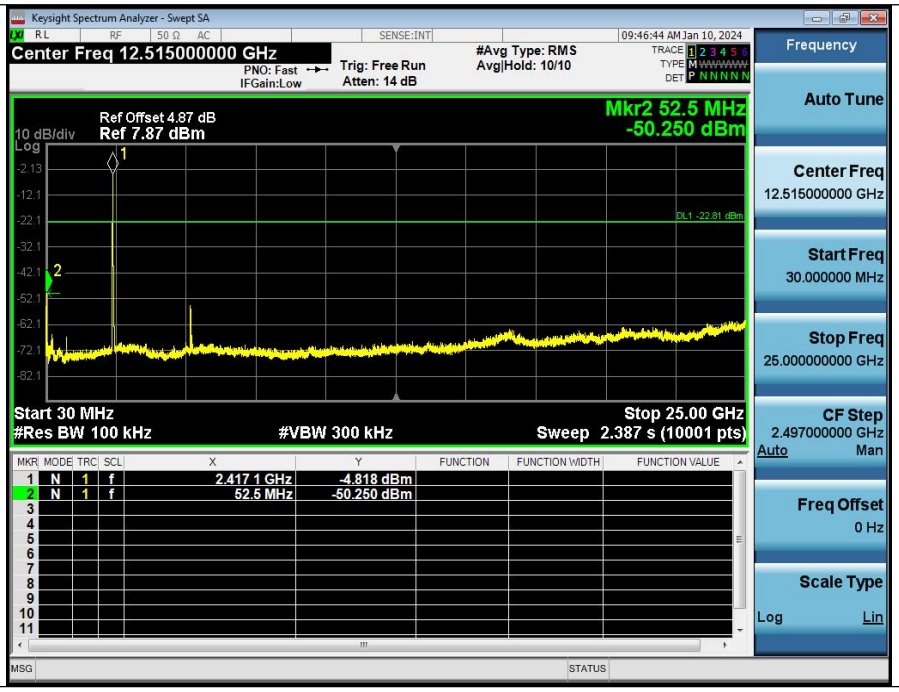
1_Reference_Level_NVNT_ANT1_802_11b_2462

2_Spurious_Emission_NVNT_ANT1_802_11b_2462

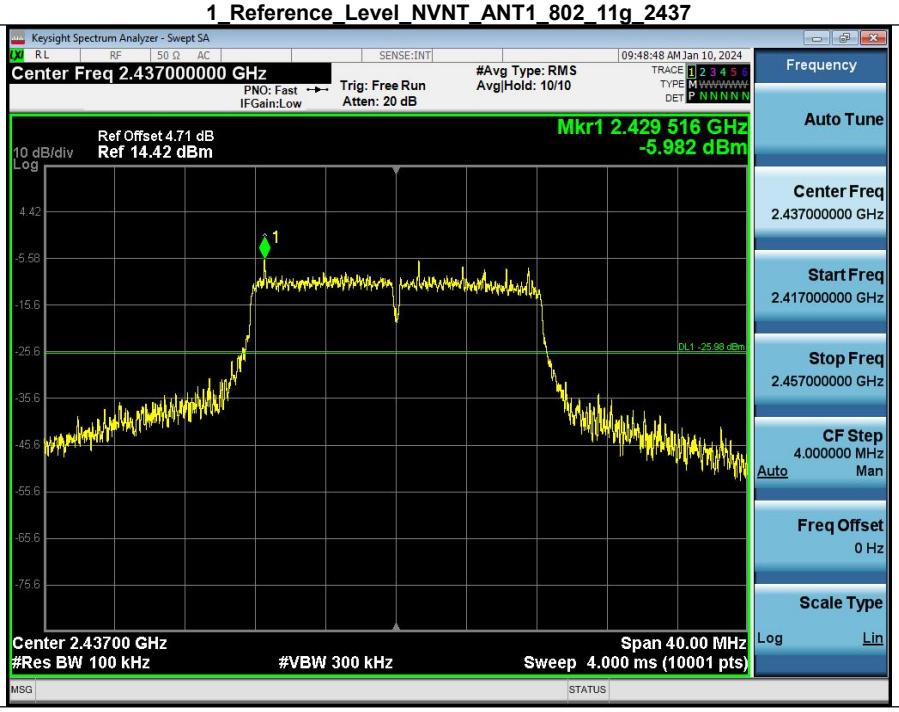


1_Reference_Level_NVNT_ANT1_802_11g_2412

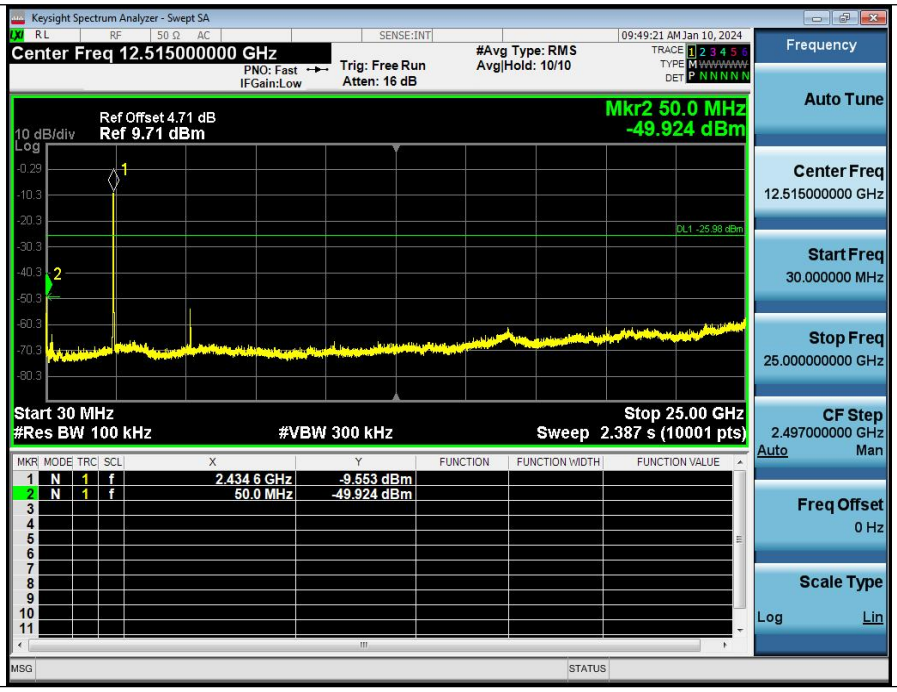
2_Spurious_Emission_NVNT_ANT1_802_11g_2412



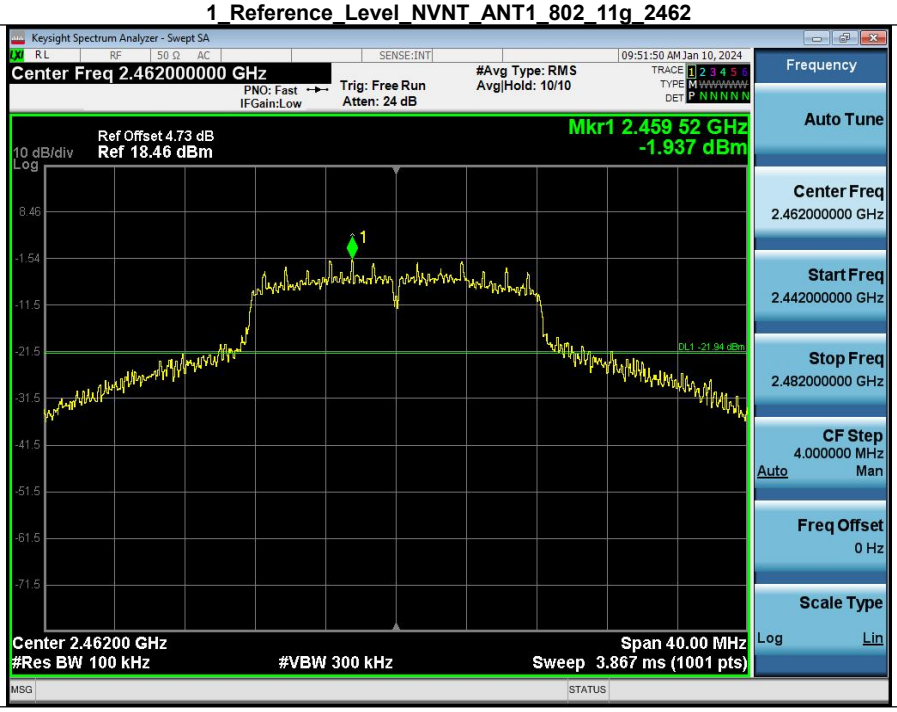
1_Reference_Level_NVNT_ANT1_802_11g_2437



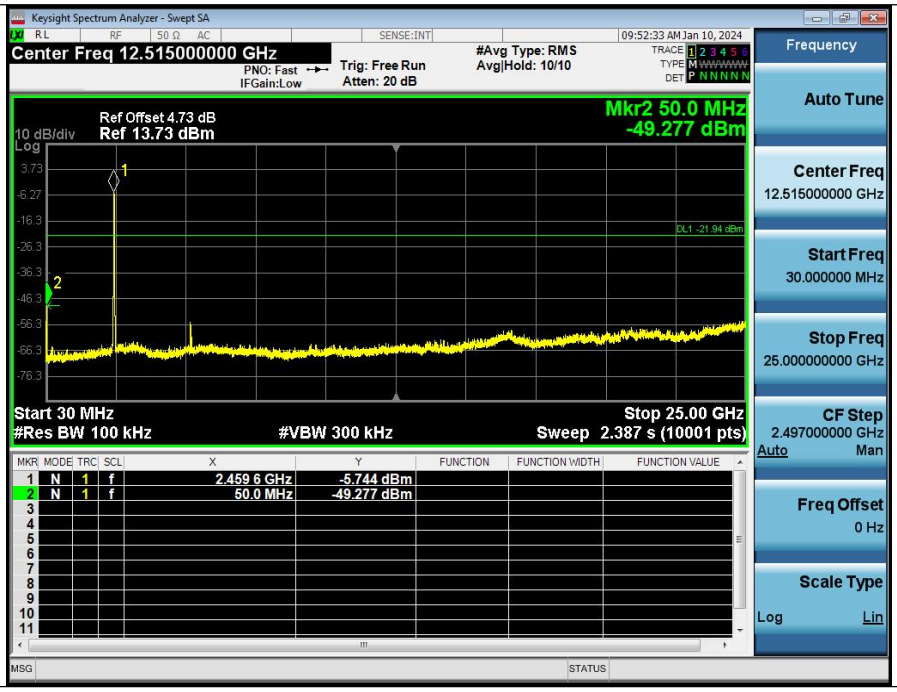
2_Spurious_Emission_NVNT_ANT1_802_11g_2437



1_Reference_Level_NVNT_ANT1_802_11g_2462

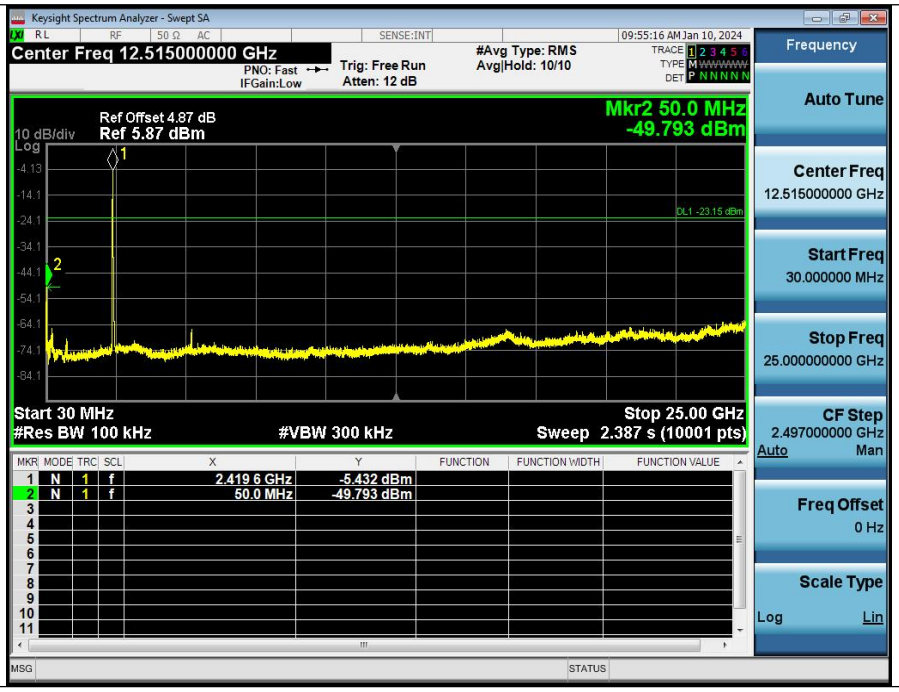


2_Spurious_Emission_NVNT_ANT1_802_11g_2462



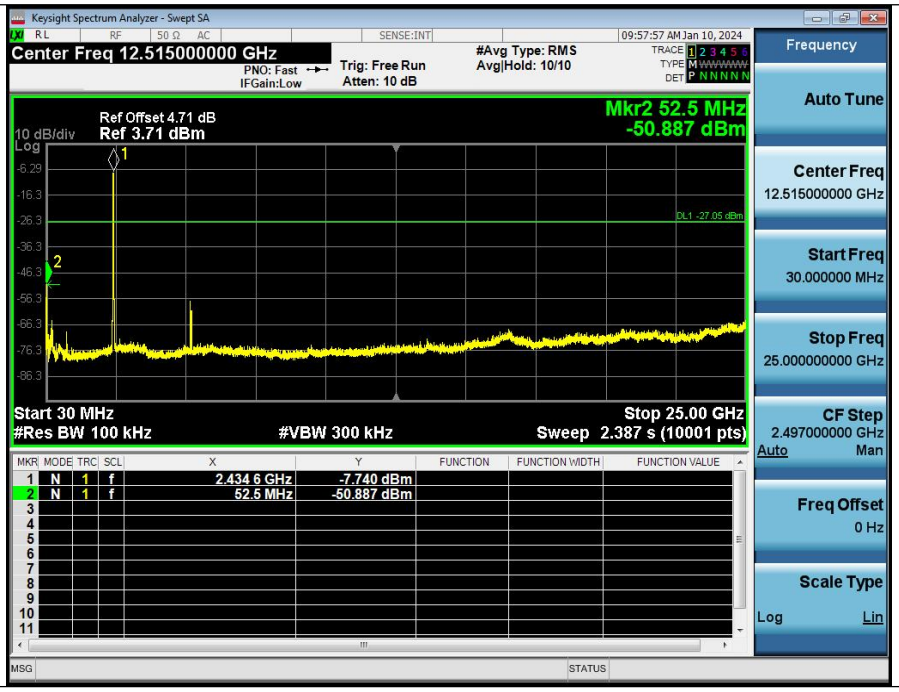
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



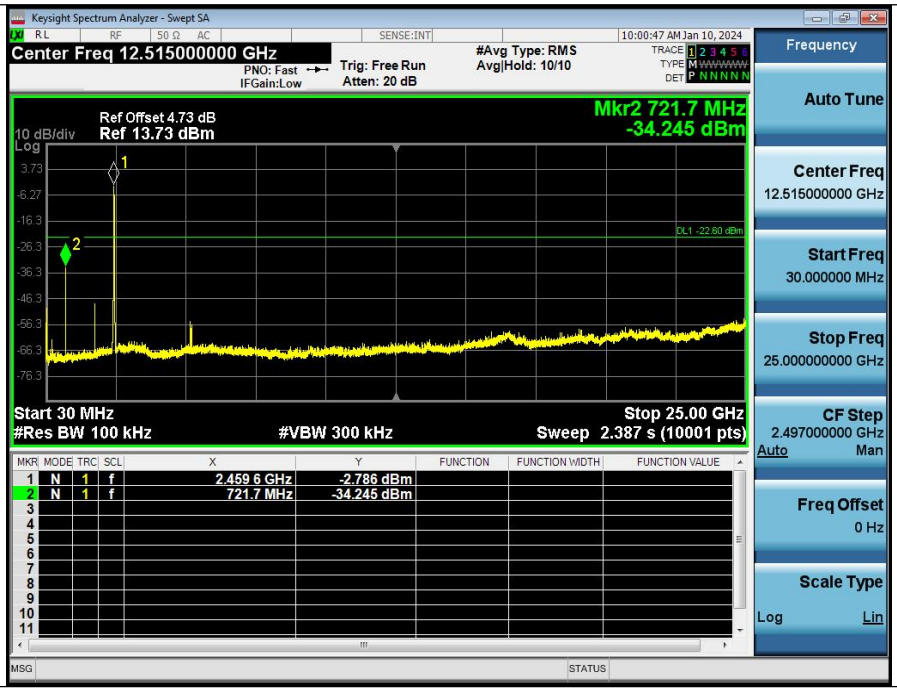
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437

2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2437



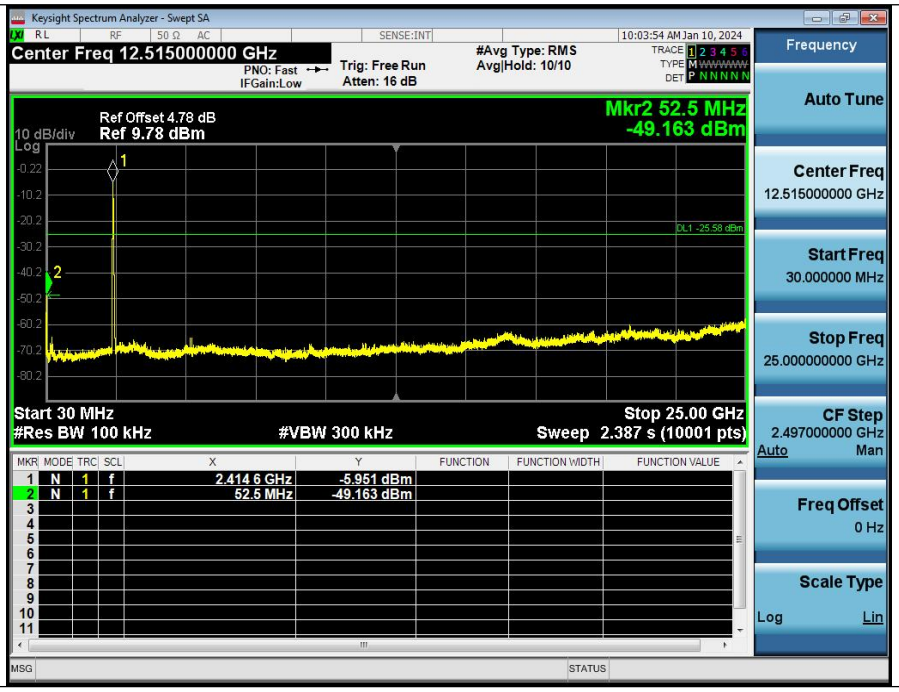
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



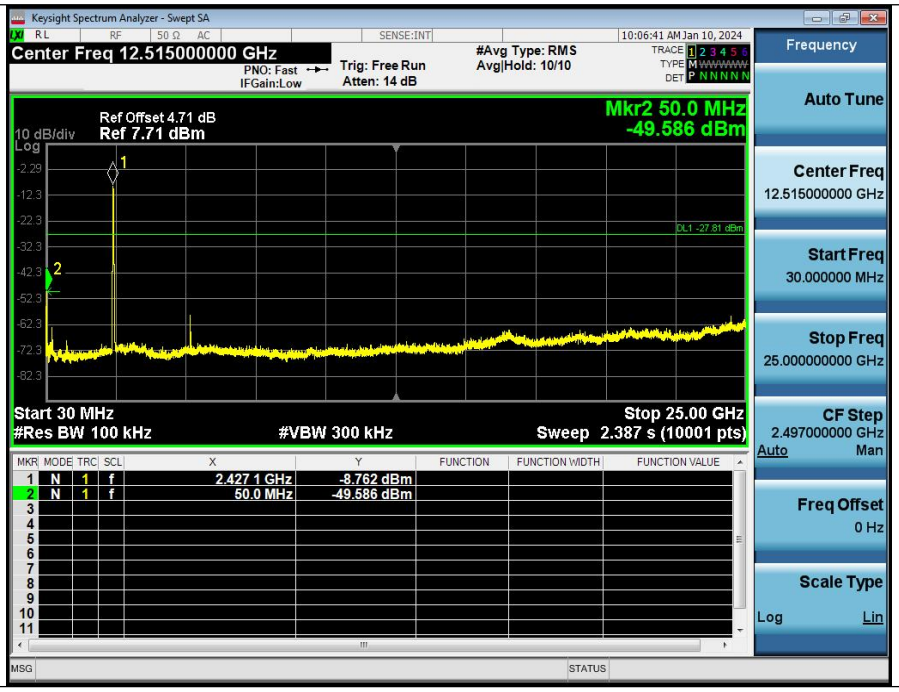
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422

2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2422



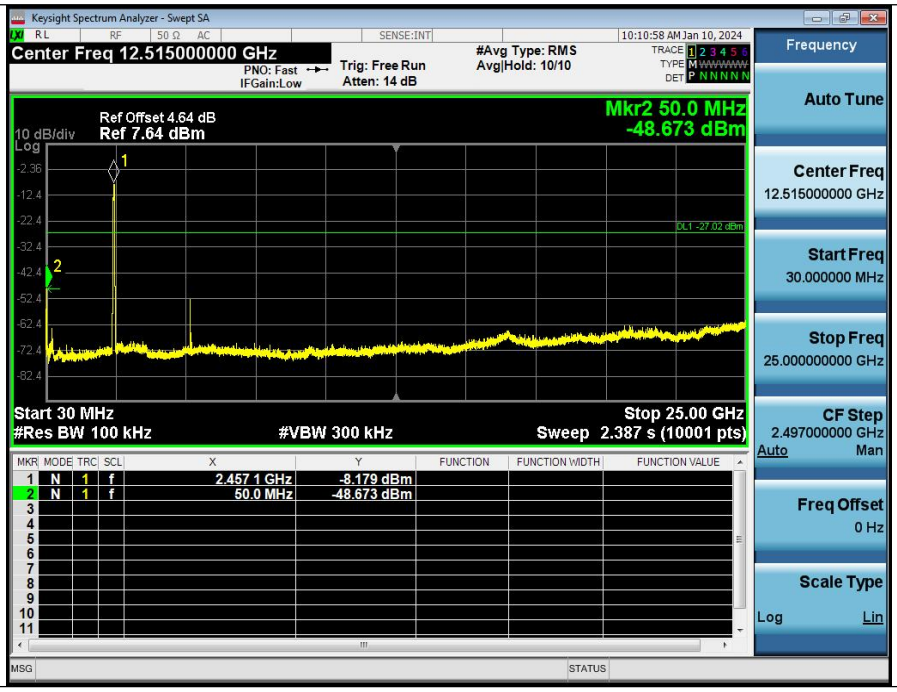
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2437

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: 14 dB
#Avg Type: RMS
Avg|Hold: 10/10
10:10:58 AM Jan 10, 2024
Ref Offset 4.64 dB
10 dB/div
Ref 7.64 dBm
Mkr2 50.0 MHz
-48.673 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.00 GHz
Sweep 2.387 s (10001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.457 1 GHz -8.179 dBm
2 N 1 f 50.0 MHz -48.673 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
0 Hz
Scale Type
Log Lin
MSG
STATUS