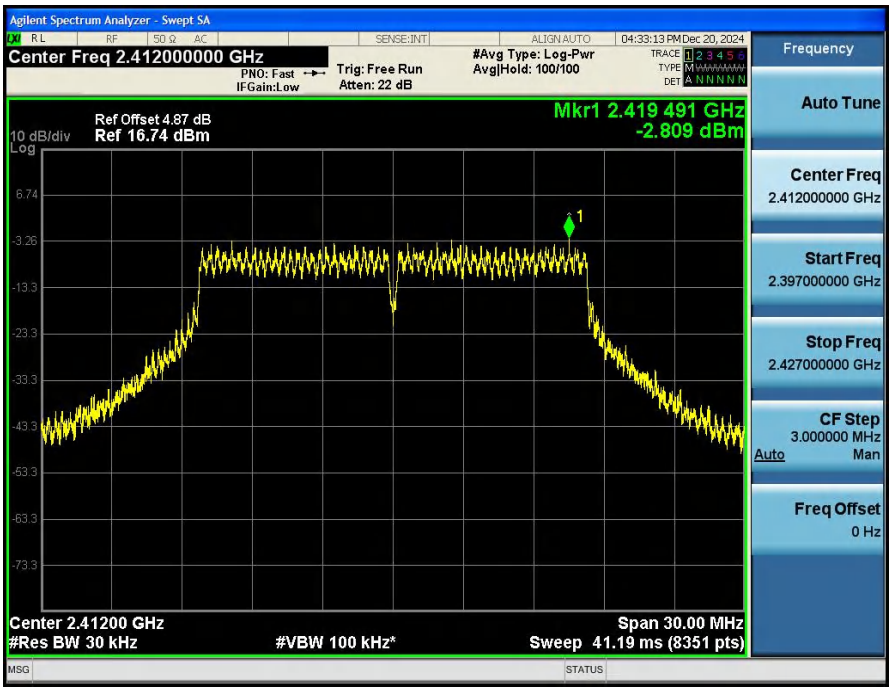
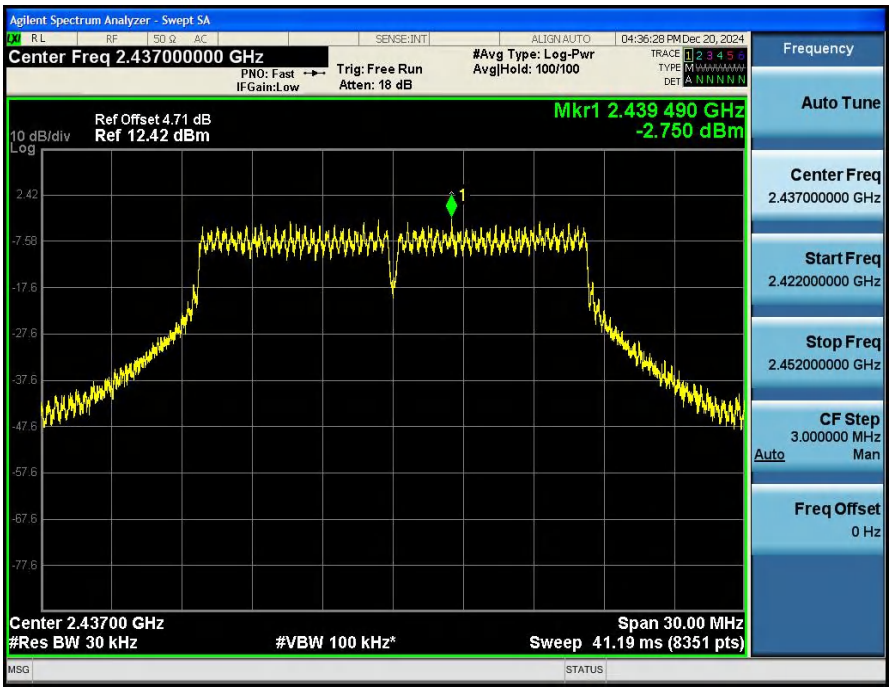
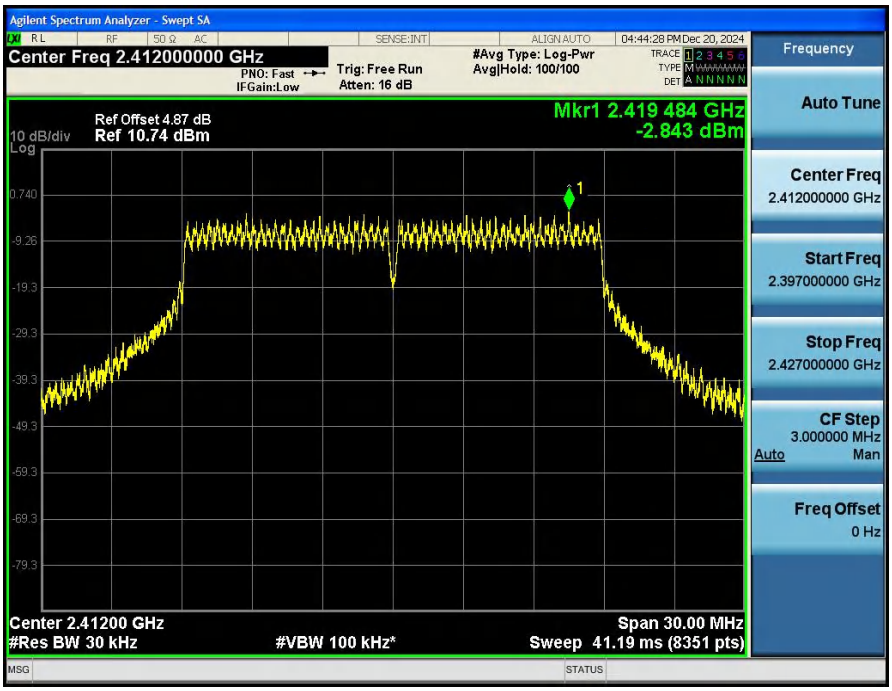


Power_Spectral_Density_NVNT_ANT1_802_11g_2437

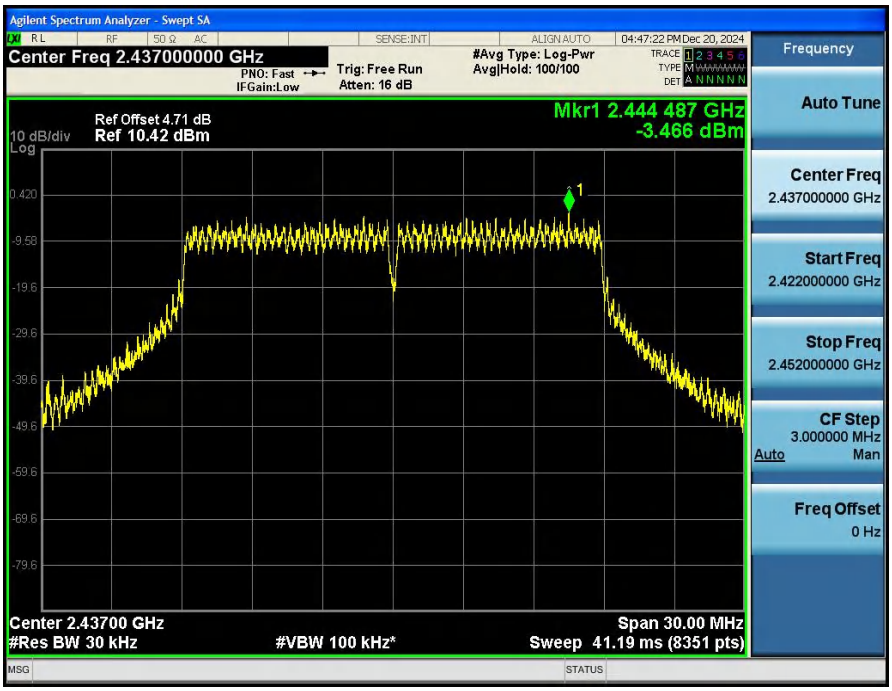


Power_Spectral_Density_NVNT_ANT1_802_11g_2462

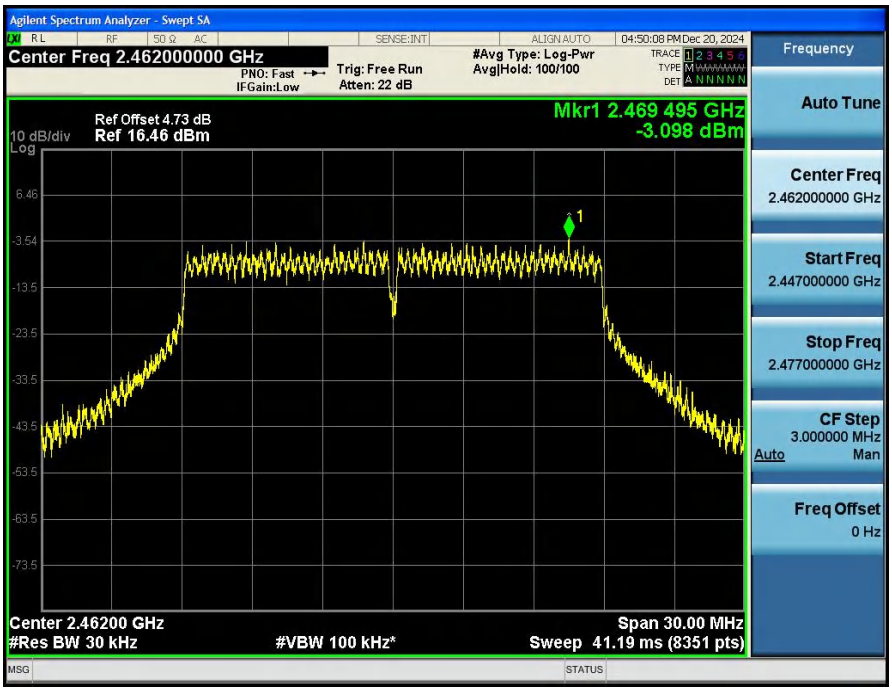
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437

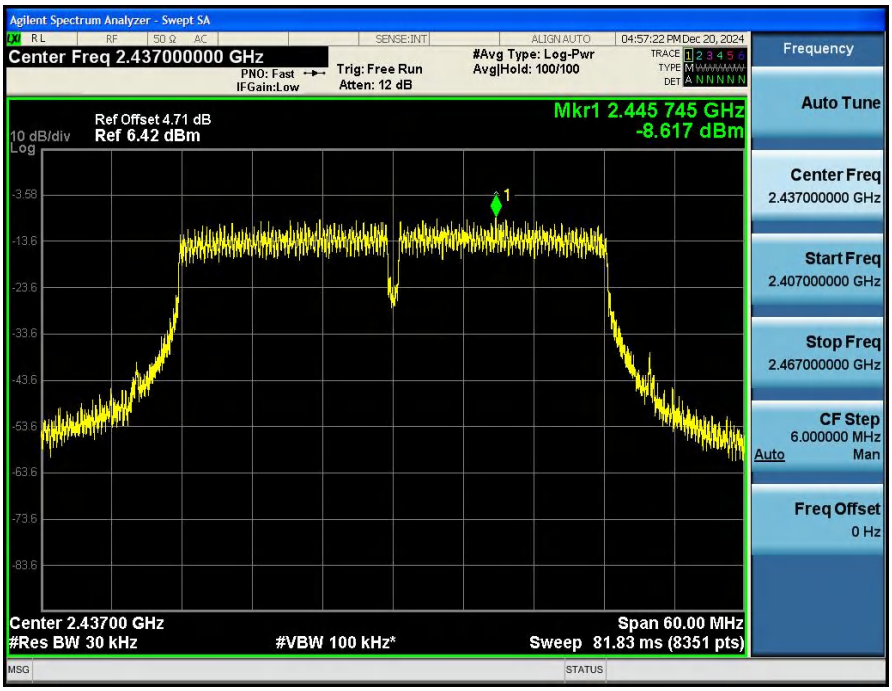


Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462

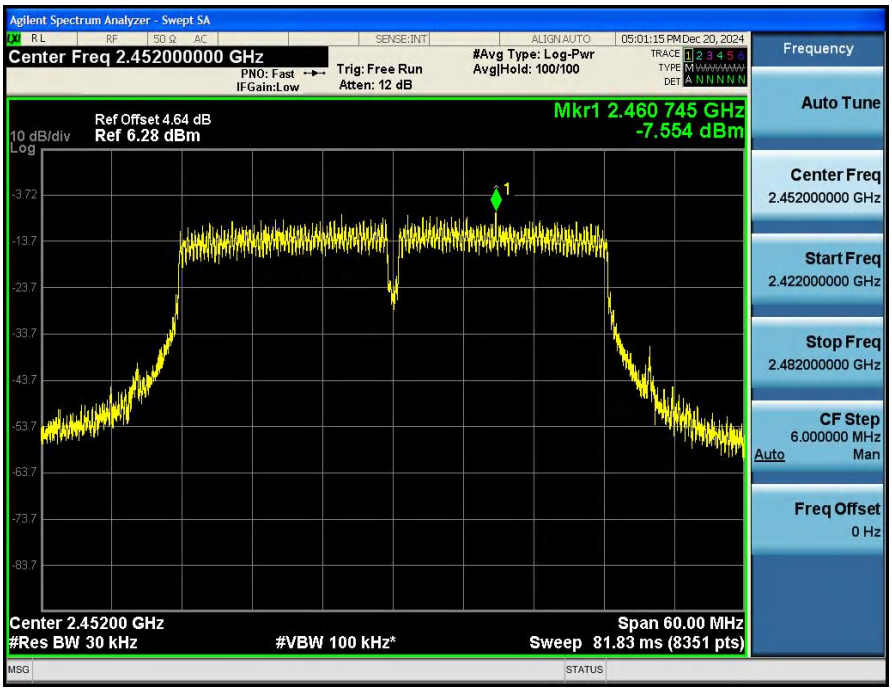


Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422

Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2437



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2452

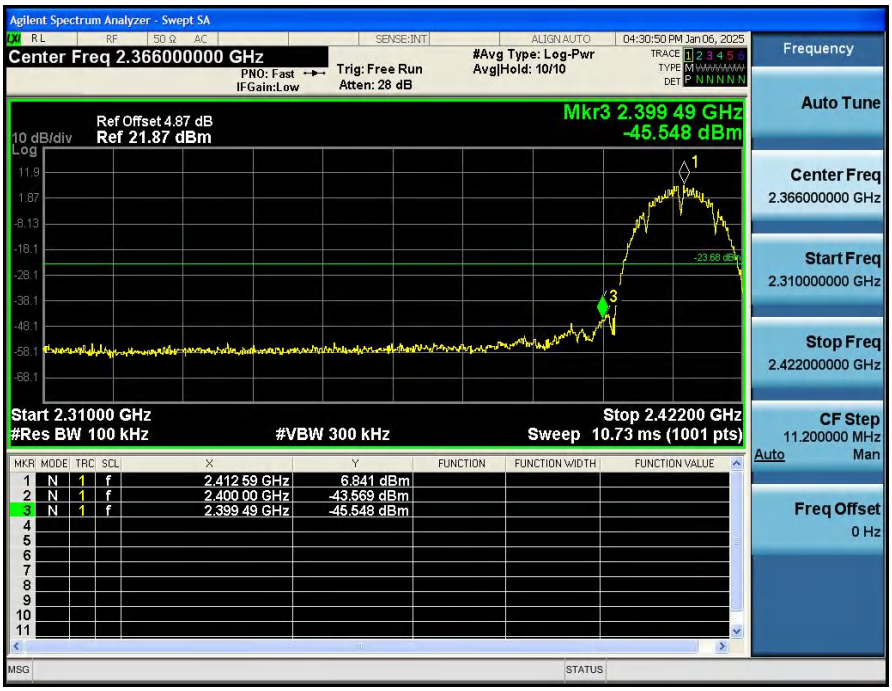

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 12 dB
#Avg Type: Log-Pwr
Avg|Hold: 100/100
05:01:15 PM Dec 20, 2024
Ref Offset 4.64 dB
10 dB/div
Ref 6.28 dBm
Log
Mkr1 2.460 745 GHz
-7.554 dBm
-3.72
-13.7
-23.7
-33.7
-43.7
-53.7
-63.7
-73.7
-83.7
Center 2.45200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 60.00 MHz
Sweep 81.83 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
MSG
STATUS

Appendix F: 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	2399.488	6.323	-45.548	-23.677	Pass
NVNT	ANT1	802.11b	2462.00	2483.632	7.111	-45.788	-22.889	Pass
NVNT	ANT1	802.11g	2412.00	2399.936	-0.095	-34.266	-30.095	Pass
NVNT	ANT1	802.11g	2462.00	2483.680	-0.084	-54.007	-30.084	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.936	0.168	-34.577	-29.832	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2484.016	1.612	-51.596	-28.388	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2397.912	-6.548	-40.856	-36.548	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.632	-6.994	-49.710	-36.994	Pass

1_Reference_Level_NVNT_ANT1_802_11b_2412

2_Bandedge_NVNT_ANT1_802_11b_2412

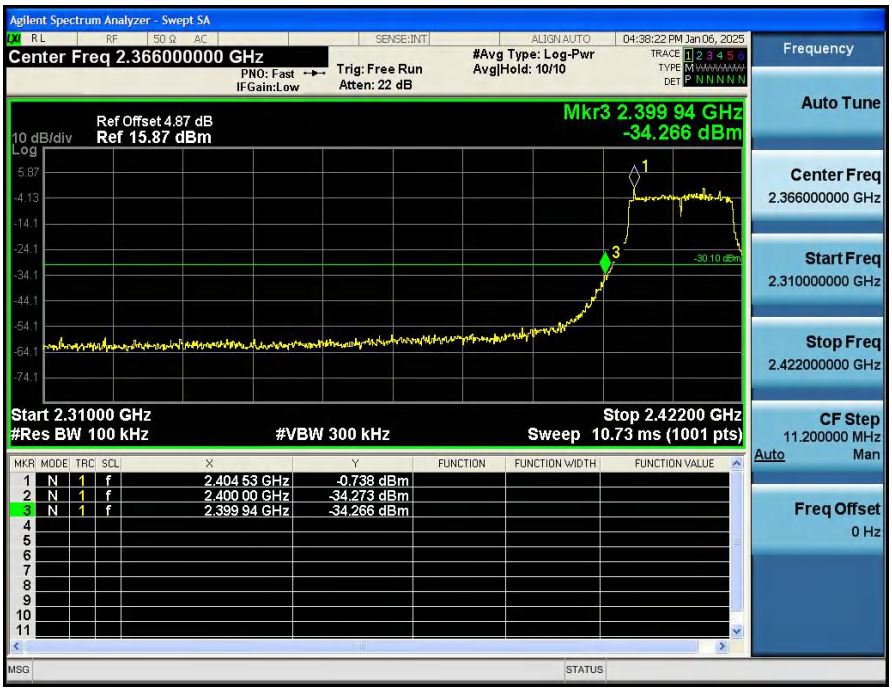


1_Reference_Level_NVNT_ANT1_802_11b_2462

2_Bandedge_NVNT_ANT1_802_11b_2462

1_Reference_Level_NVNT_ANT1_802_11g_2412

2_Bandedge_NVNT_ANT1_802_11g_2412

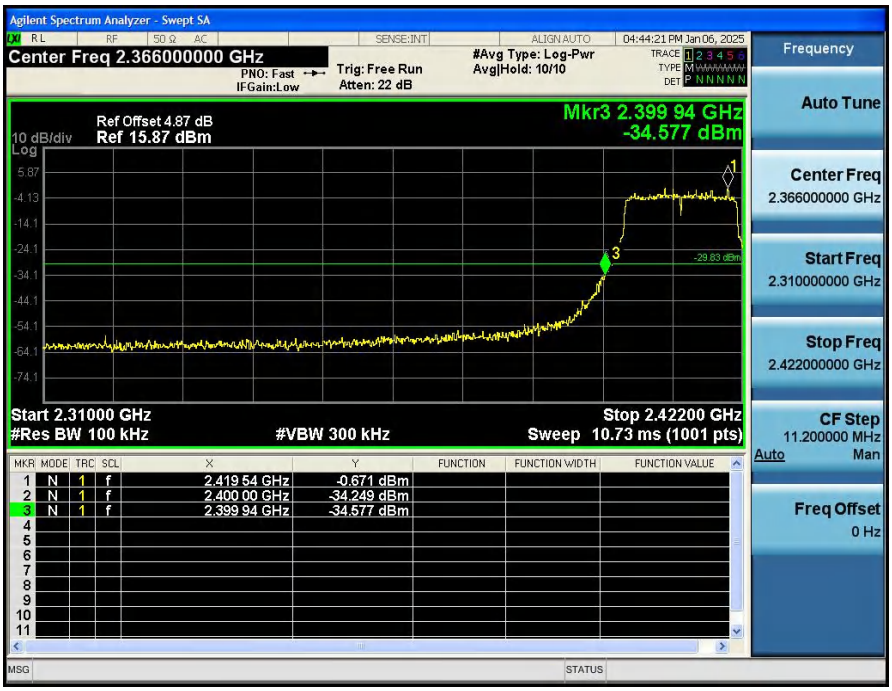


1_Reference_Level_NVNT_ANT1_802_11g_2462

2_Bandedge_NVNT_ANT1_802_11g_2462

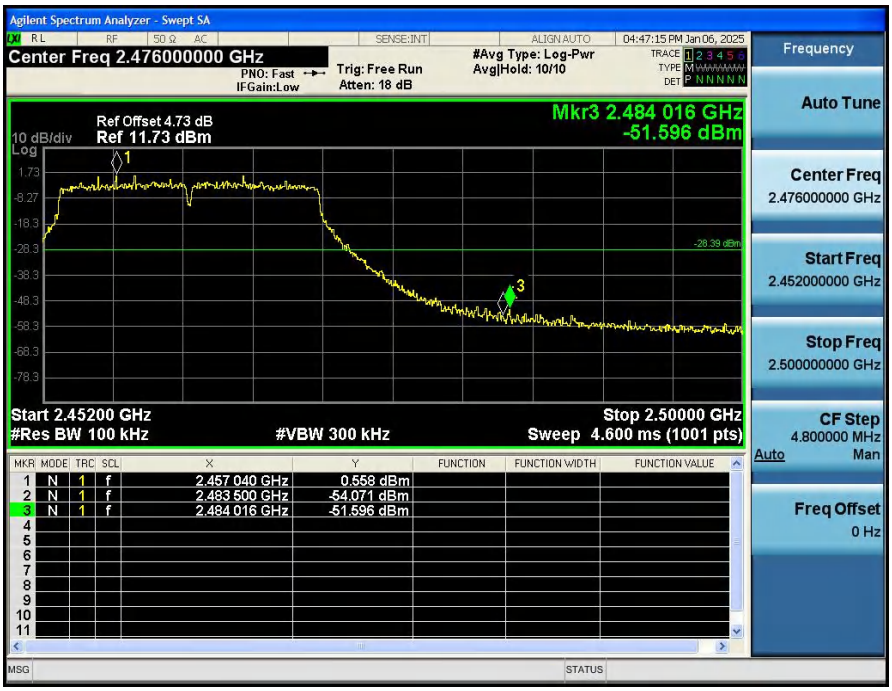
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

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

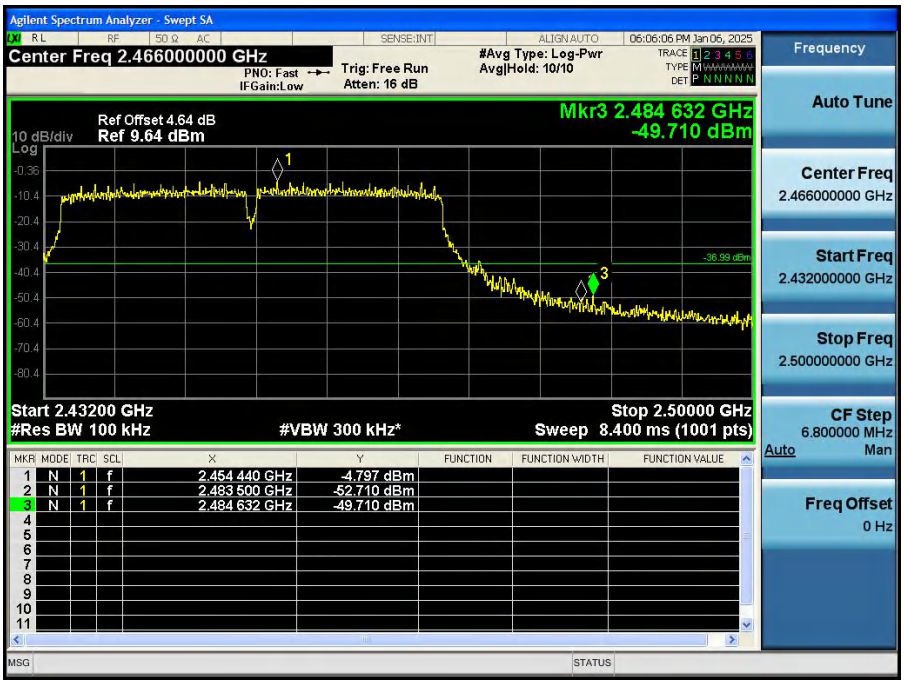


1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422

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

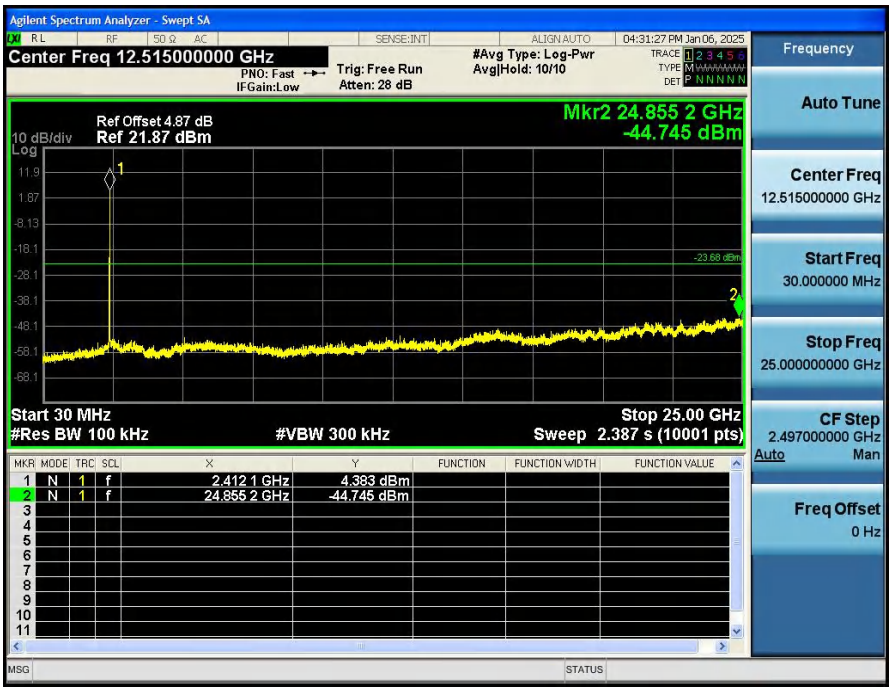

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.466000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 16 dB
#Avg Type: Log-Pwr
Avg|Hold: 10/10
06:06:06 PM Jan 06, 2025
Ref Offset 4.64 dB
10 dB/div
Ref 9.64 dBm
Mkr3 2.484 632 GHz
-49.710 dBm
-36.99 dBm
Start 2.43200 GHz
#Res BW 100 kHz
#VBW 300 kHz*
Stop 2.50000 GHz
Sweep 8.400 ms (1001 pts)
1 N 1 f 2.454 440 GHz -4.797 dBm
2 N 1 f 2.483 500 GHz -52.710 dBm
3 N 1 f 2.484 632 GHz -49.710 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

Appendix G: 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	24855.174	6.323	-44.745	-23.677	Pass
NVNT	ANT1	802.11b	2437.00	24867.659	6.410	-43.021	-23.590	Pass
NVNT	ANT1	802.11b	2462.00	24413.205	7.111	-48.205	-22.889	Pass
NVNT	ANT1	802.11g	2412.00	24847.683	-0.095	-50.747	-30.095	Pass
NVNT	ANT1	802.11g	2437.00	24590.492	-0.696	-51.076	-30.696	Pass
NVNT	ANT1	802.11g	2462.00	24807.731	-0.084	-50.800	-30.084	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24890.132	0.168	-51.260	-29.832	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24385.738	-0.116	-51.082	-30.116	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24590.492	1.612	-54.742	-28.388	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24855.174	-6.548	-64.521	-36.548	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24845.186	-2.658	-59.973	-32.658	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2502.030	-6.994	-68.184	-36.994	Pass

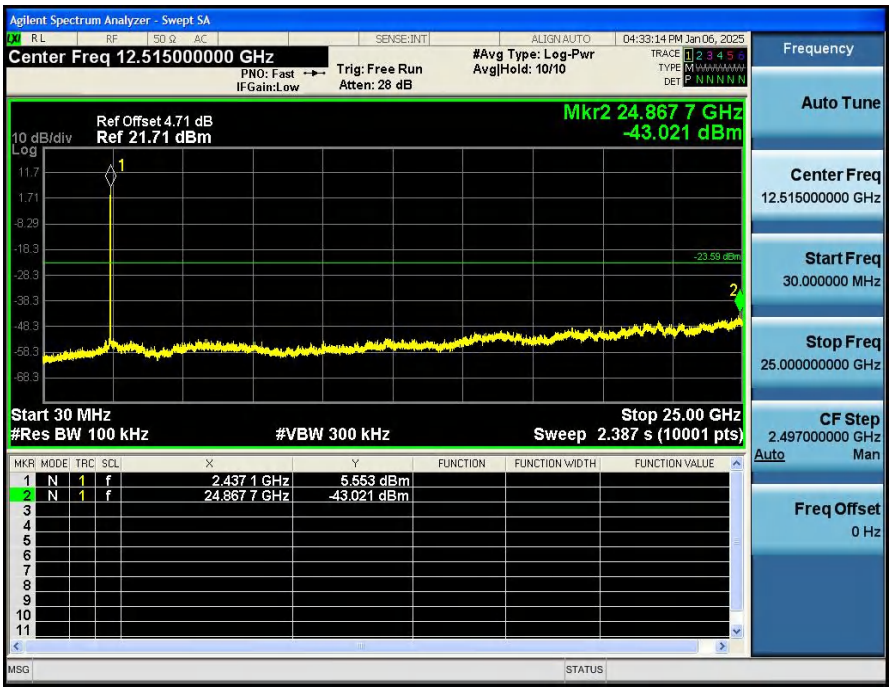
1_Reference_Level_NVNT_ANT1_802_11b_2412

2_Spurious_Emission_NVNT_ANT1_802_11b_2412



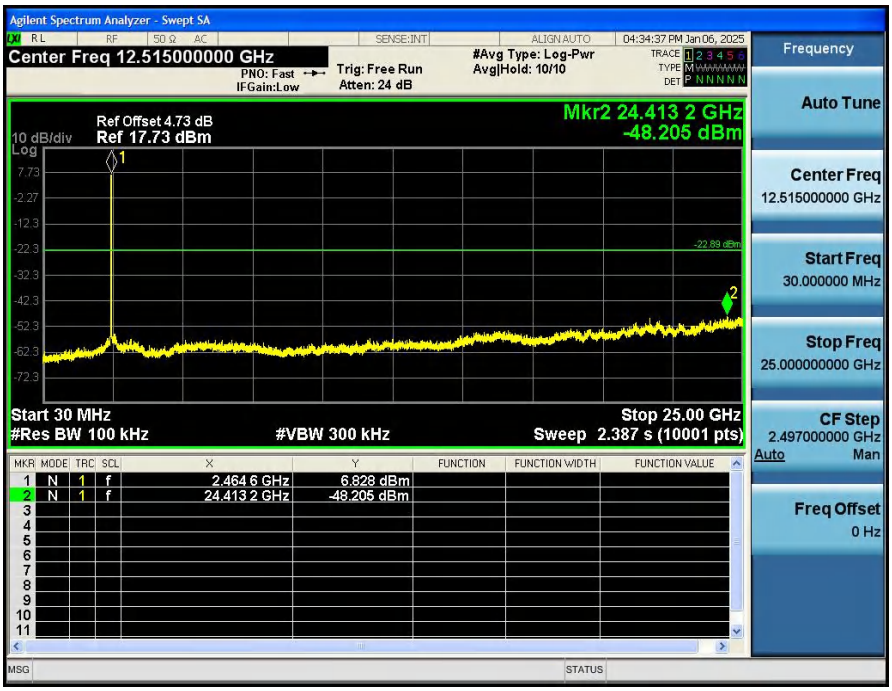
1_Reference_Level_NVNT_ANT1_802_11b_2437

2_Spurious_Emission_NVNT_ANT1_802_11b_2437



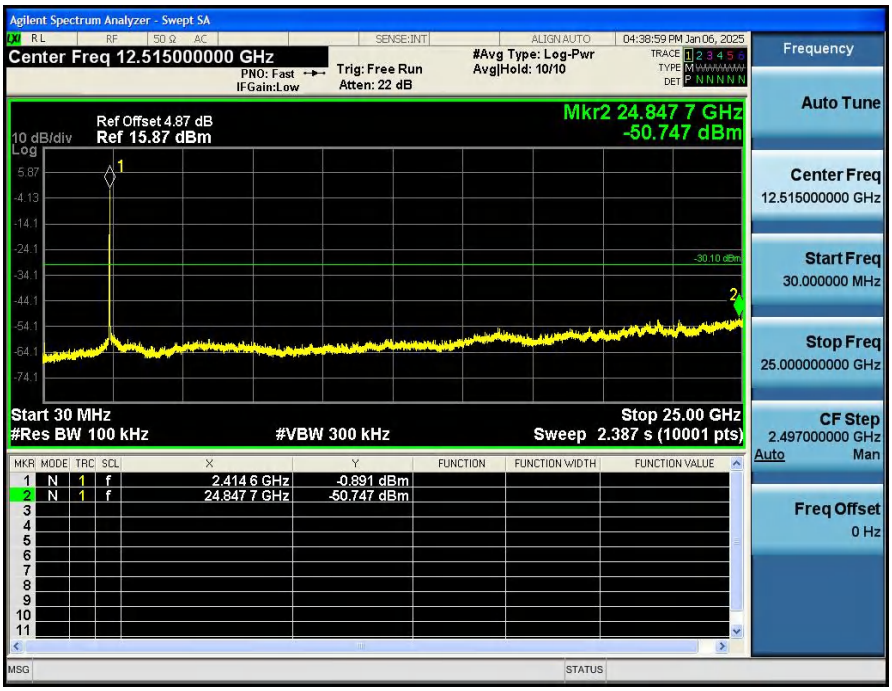
1_Reference_Level_NVNT_ANT1_802_11b_2462

2_Spurious_Emission_NVNT_ANT1_802_11b_2462



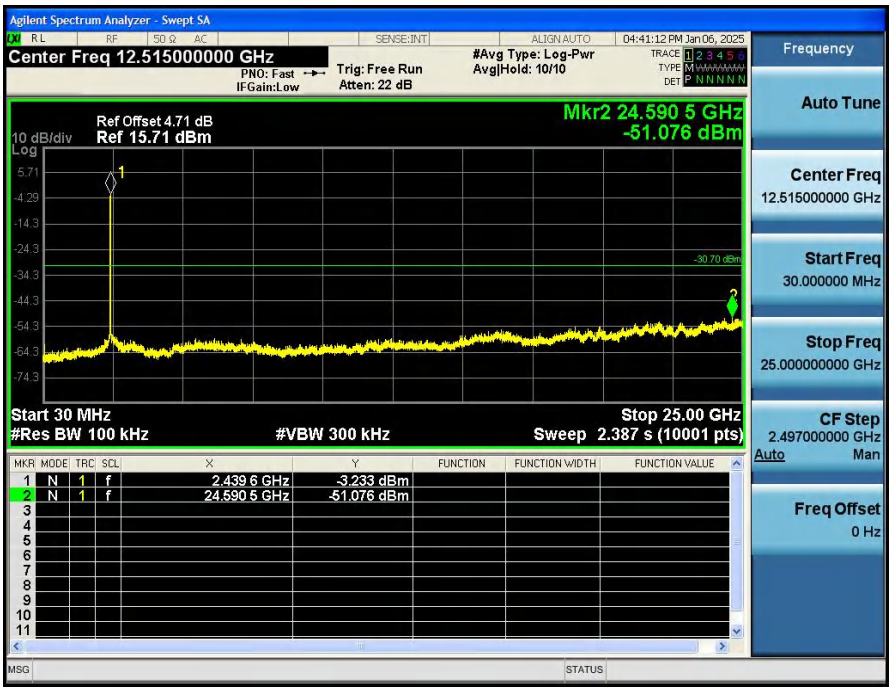
1_Reference_Level_NVNT_ANT1_802_11g_2412

2_Spurious_Emission_NVNT_ANT1_802_11g_2412



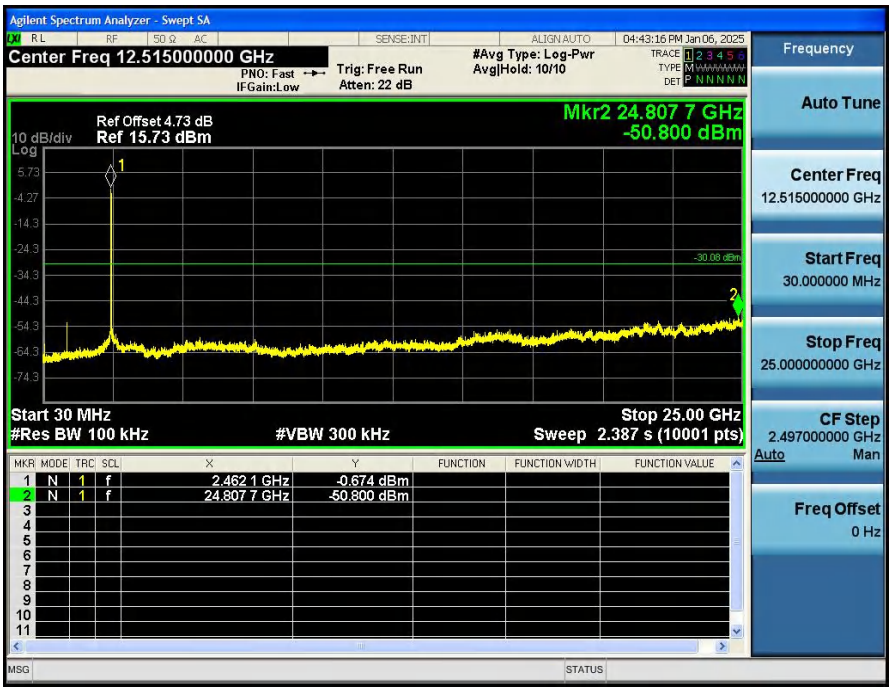
1_Reference_Level_NVNT_ANT1_802_11g_2437

2_Spurious_Emission_NVNT_ANT1_802_11g_2437



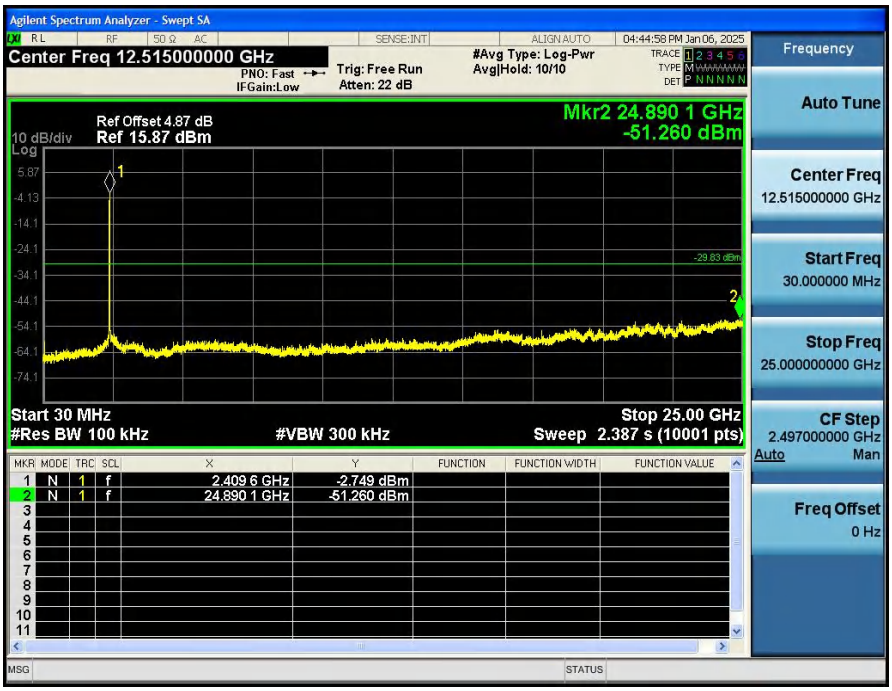
1_Reference_Level_NVNT_ANT1_802_11g_2462

2_Spurious_Emission_NVNT_ANT1_802_11g_2462

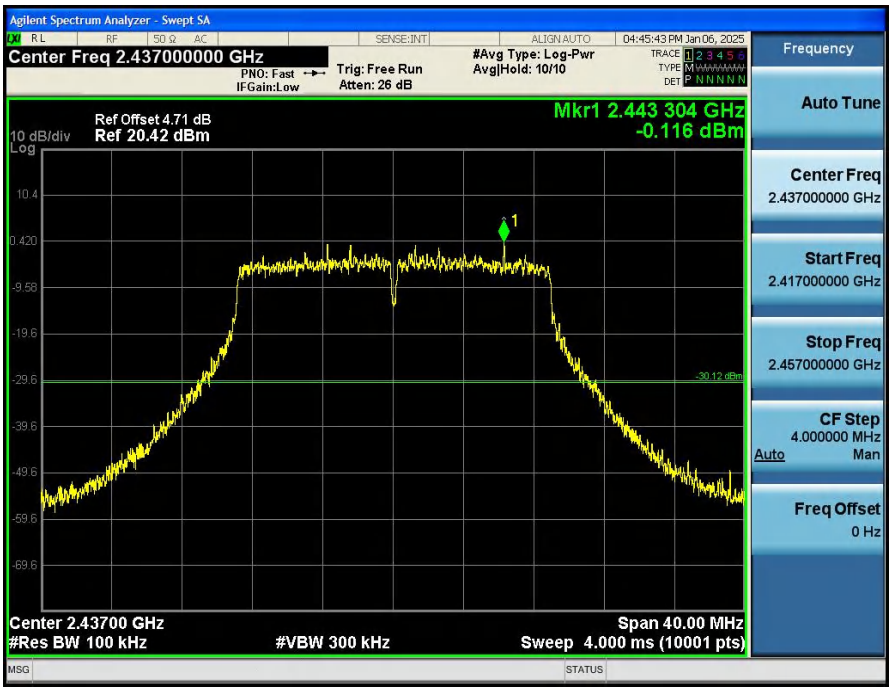


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

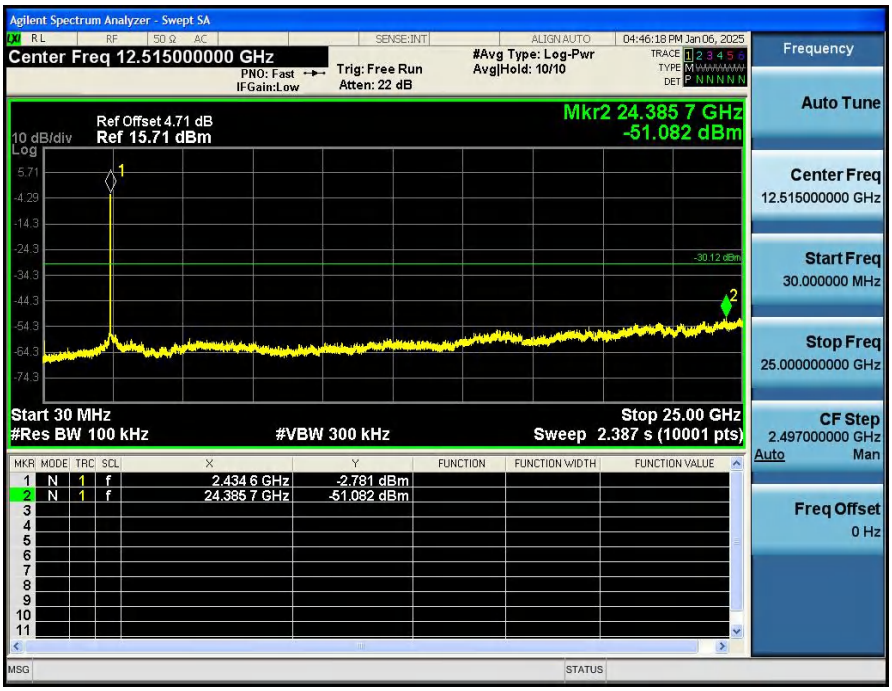
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437

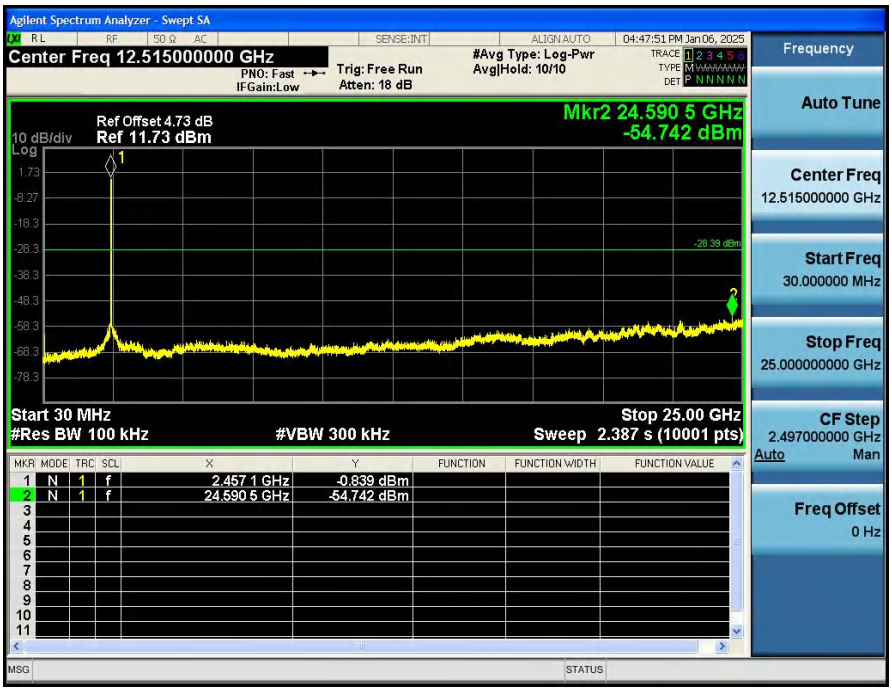


2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2437



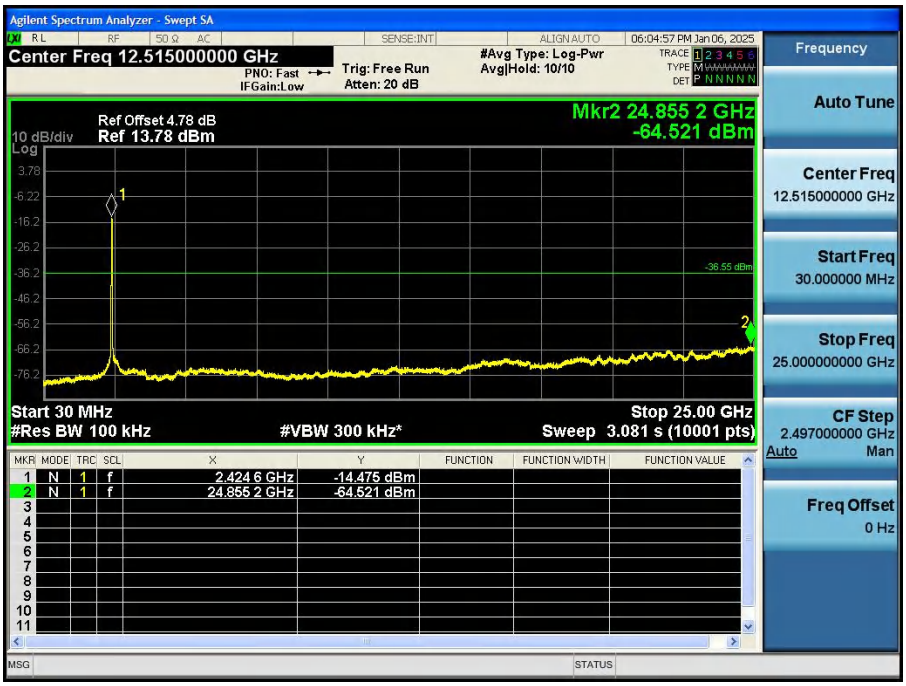
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

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

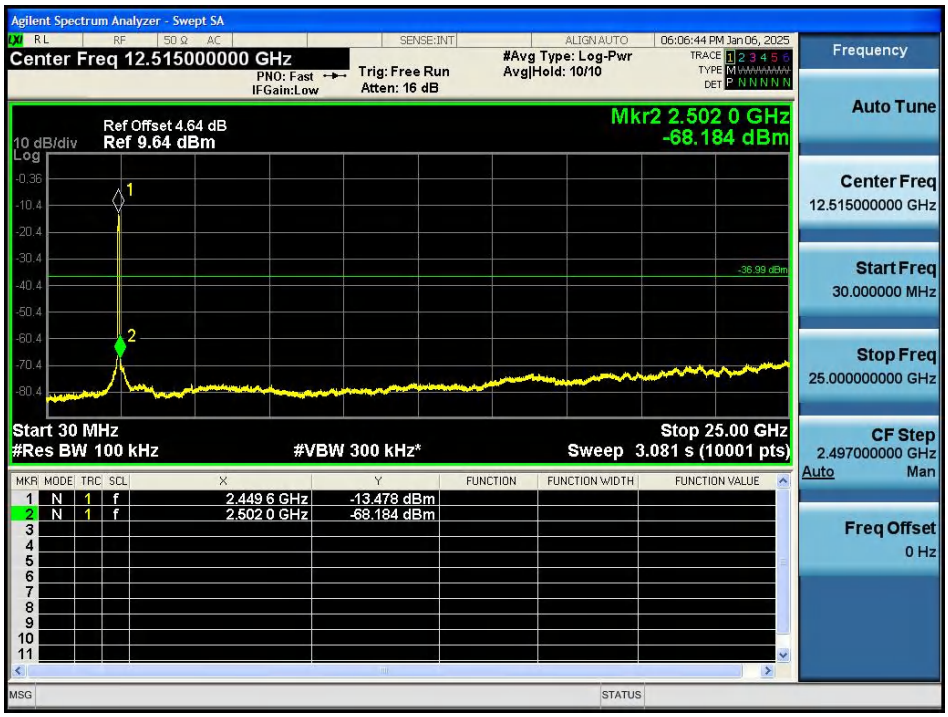


1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2437

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


Agilent Spectrum Analyzer - Swept SA
Center Freq 12.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 16 dB
#Avg Type: Log-Pwr
Avg|Hold: 10/10
06:06:44 PM Jan 06, 2025
Ref Offset 4.64 dB
10 dB/div
Ref 9.64 dBm
Log
Mkr2 2.502 0 GHz
-68.184 dBm
-36.99 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Stop 25.00 GHz
Sweep 3.081 s (10001 pts)
1 N 1 f 2.449 6 GHz -13.478 dBm
2 N 1 f 2.502 0 GHz -68.184 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

---END---