

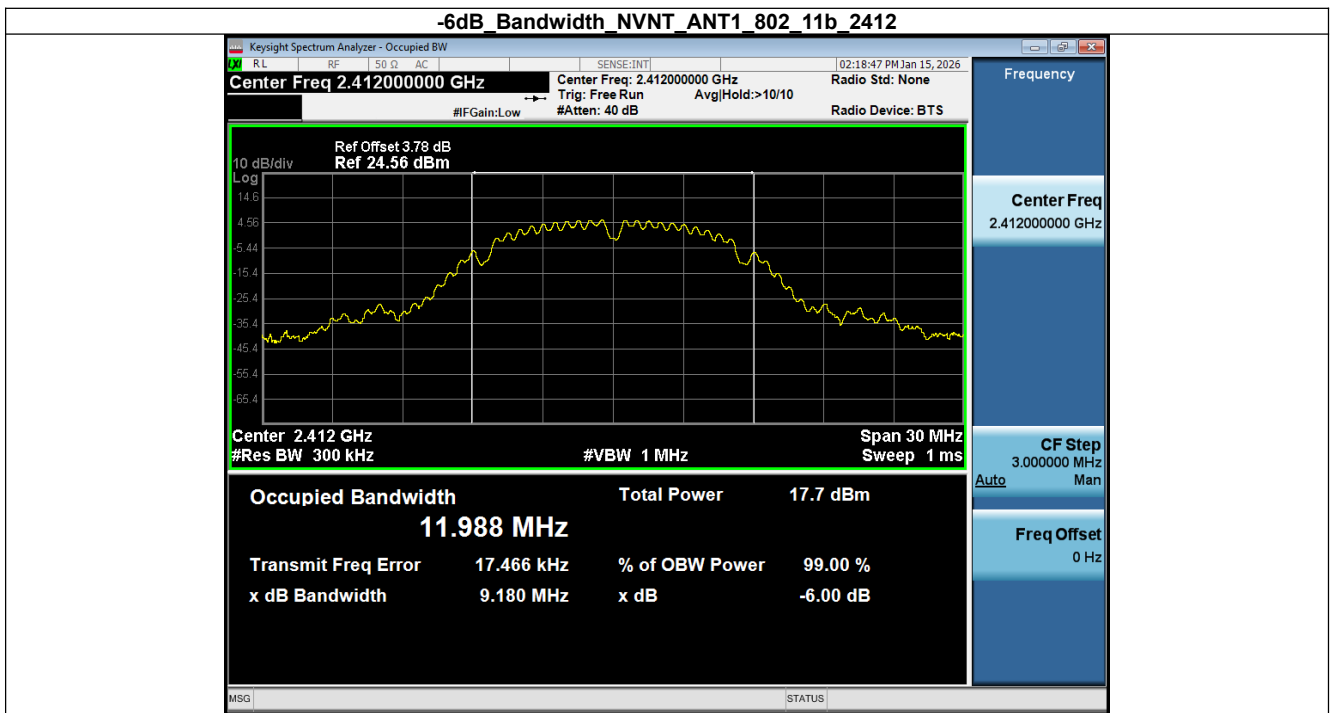
FCC ID WIFI 2.4
FCC_2.4G_WIFI (Part15.247) Test Data
FCC ID:2ASCB-DK032
Report No.:NCT26004868E1-3

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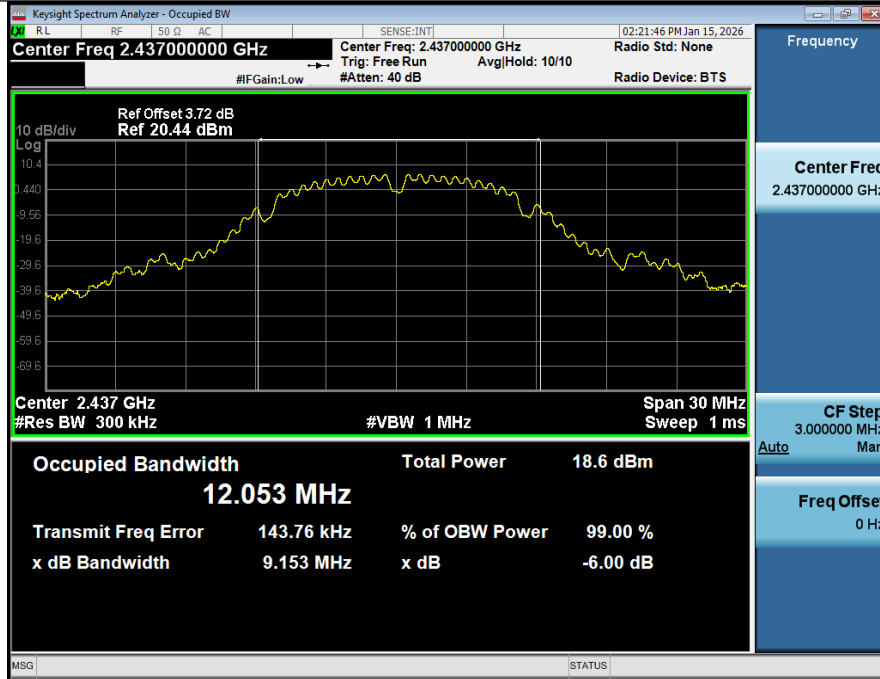
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1. -6dB Bandwidth

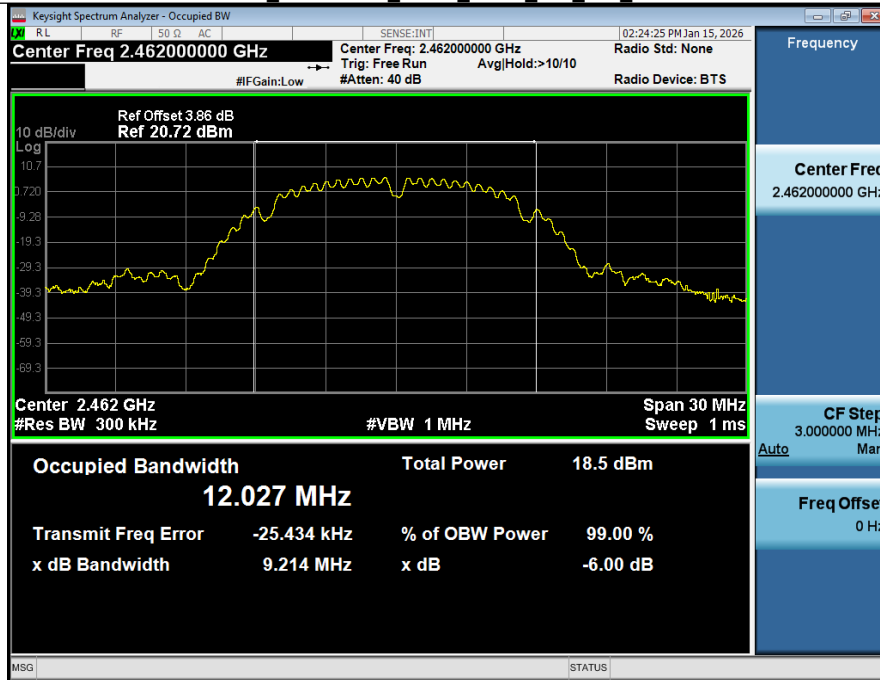
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.18	500	Pass
NVNT	ANT1	802.11b	2437.00	9.15	500	Pass
NVNT	ANT1	802.11b	2462.00	9.21	500	Pass
NVNT	ANT1	802.11g	2412.00	16.43	500	Pass
NVNT	ANT1	802.11g	2437.00	16.38	500	Pass
NVNT	ANT1	802.11g	2462.00	16.52	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.16	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.37	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.46	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	17.31	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	17.38	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	17.47	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.20	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.71	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.88	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	36.20	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	35.82	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	35.76	500	Pass



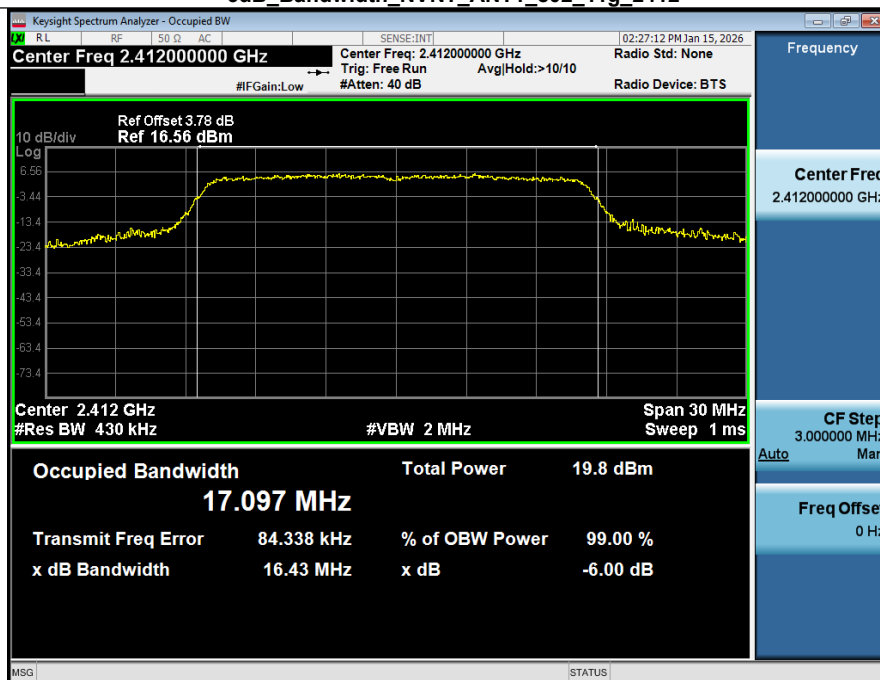
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



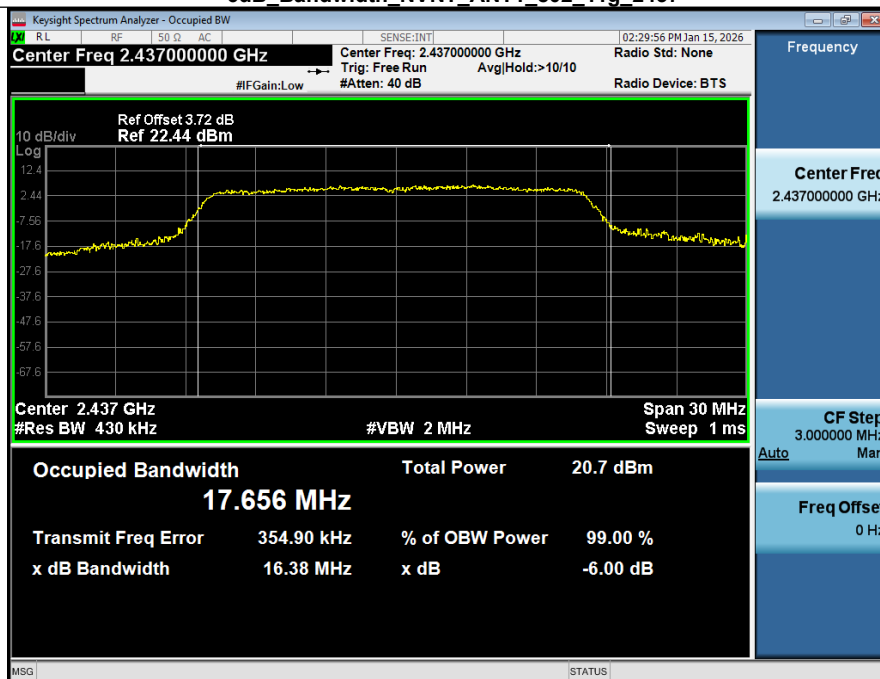
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



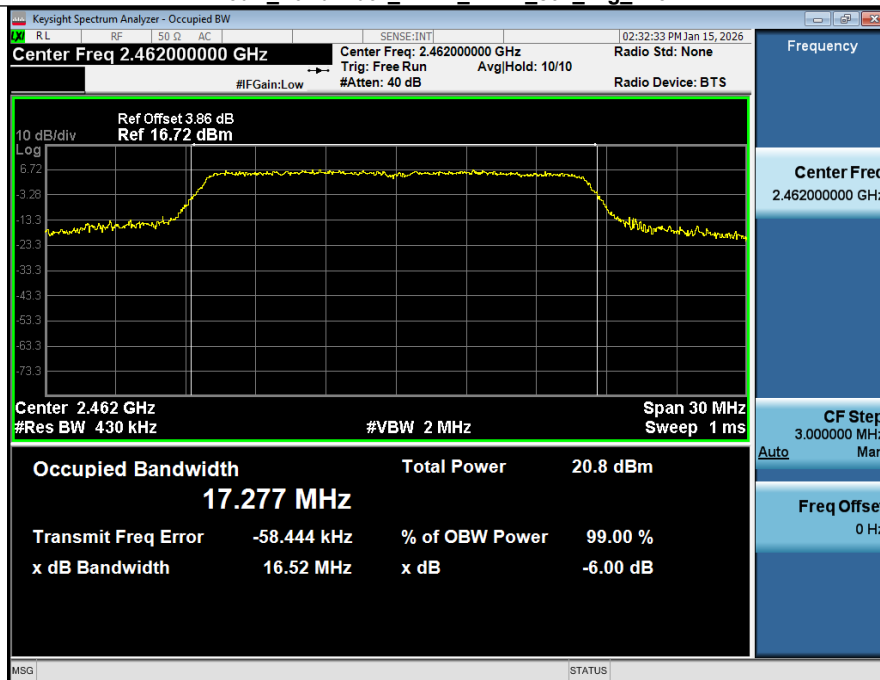
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



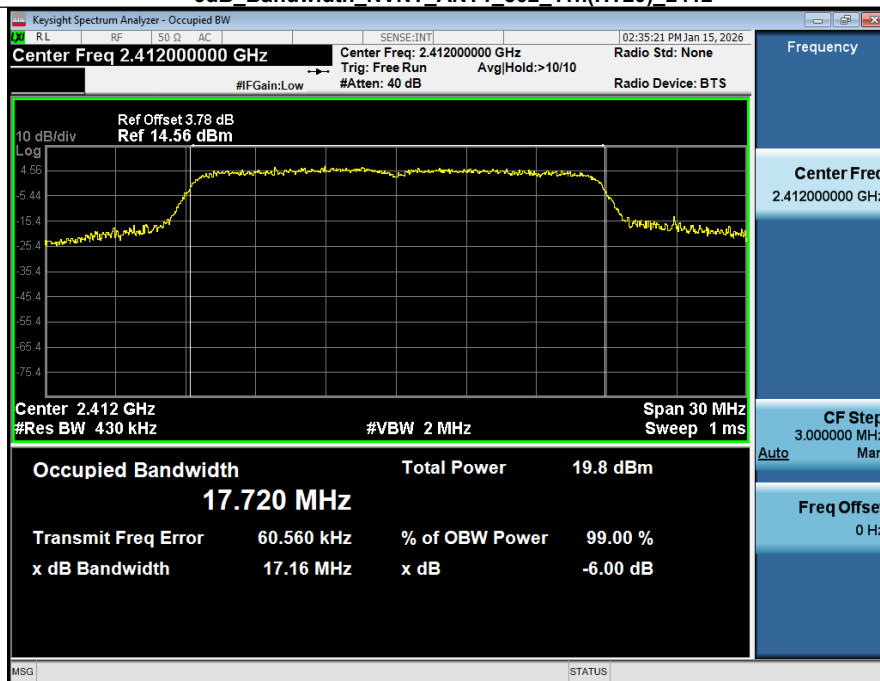
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



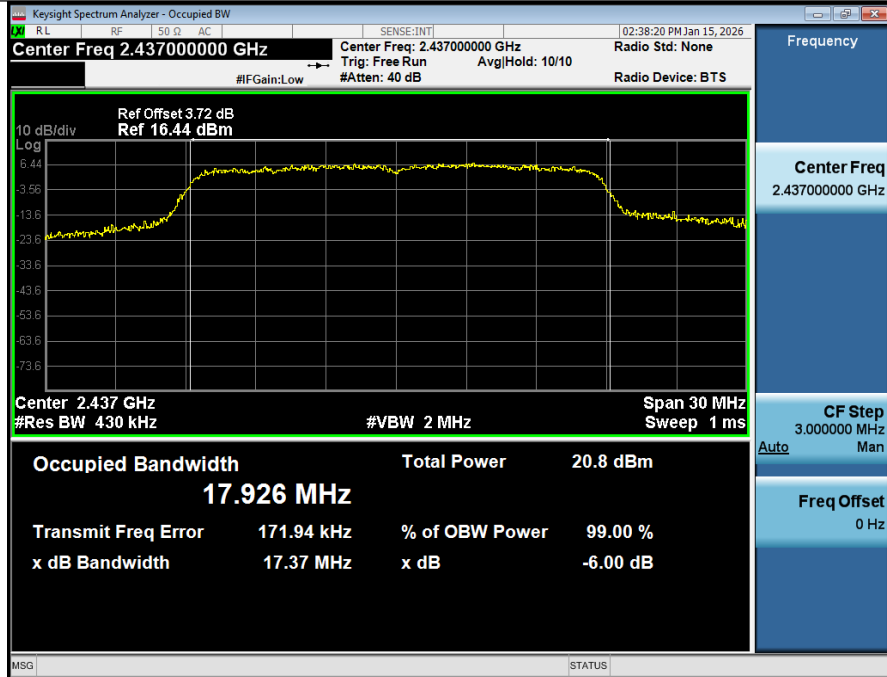
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



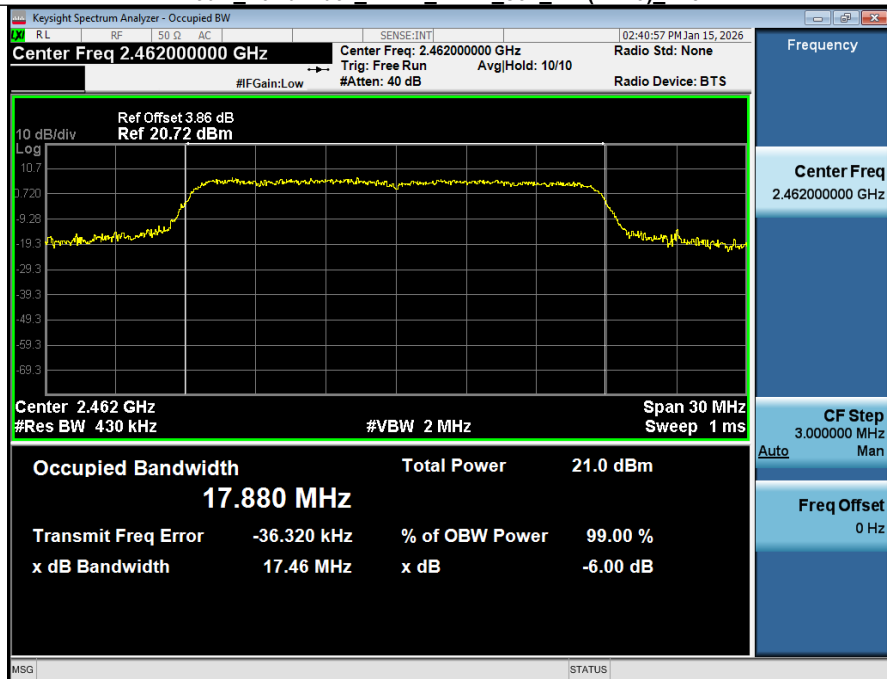
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



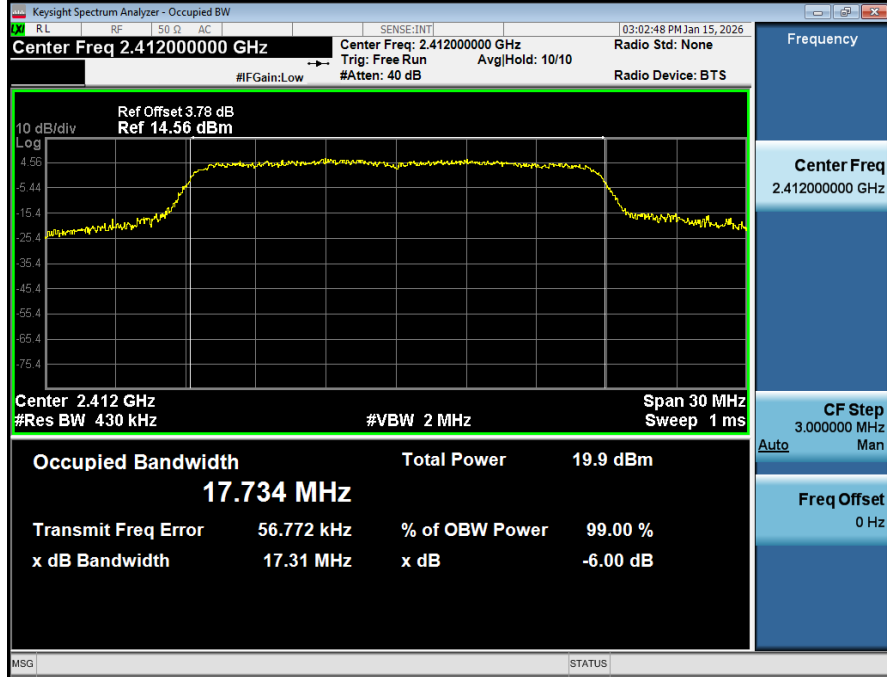
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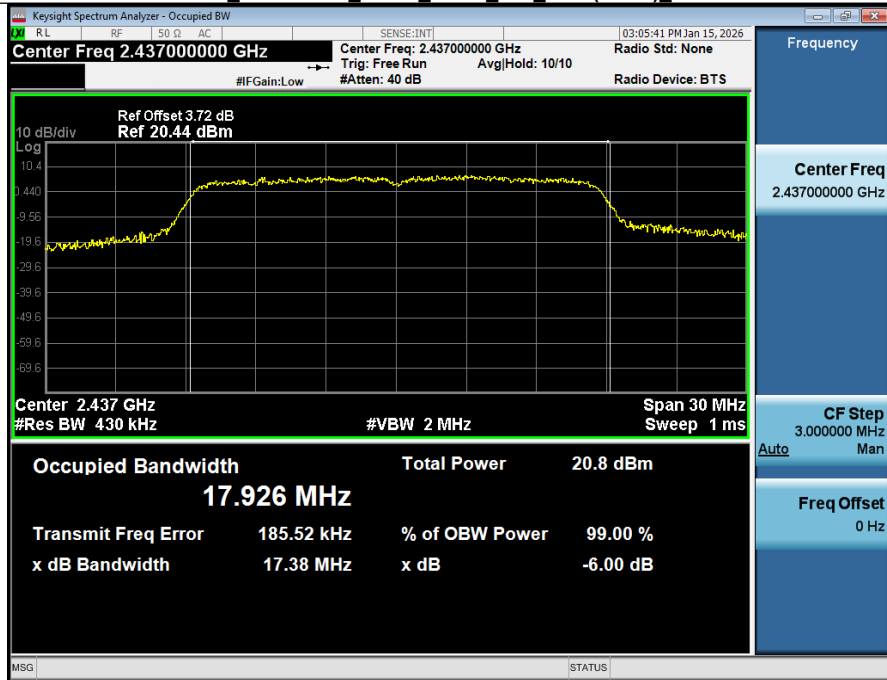
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



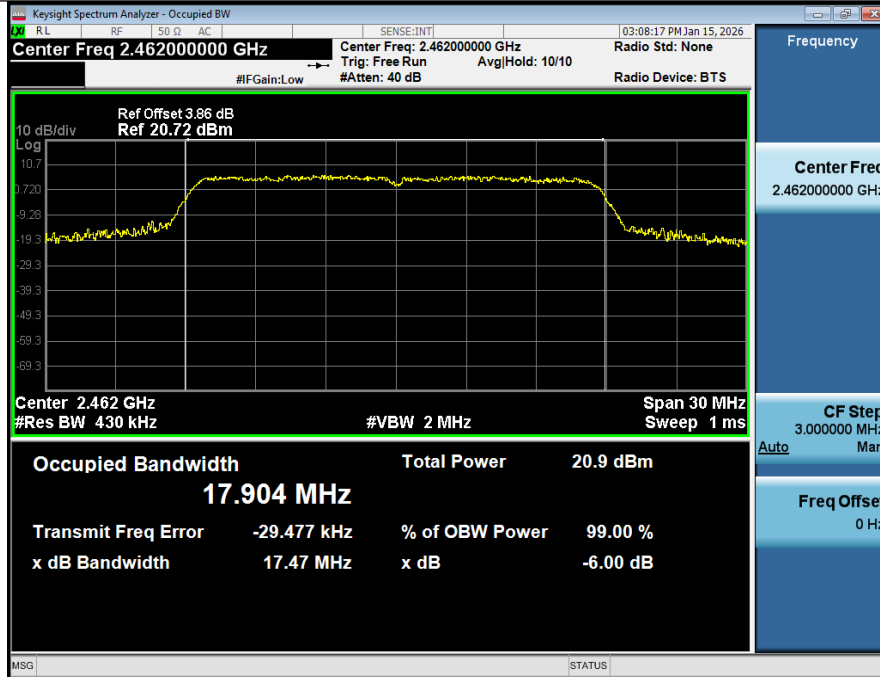
-6dB Bandwidth NVNT_ANT1_802_11ax(HE20)_2412



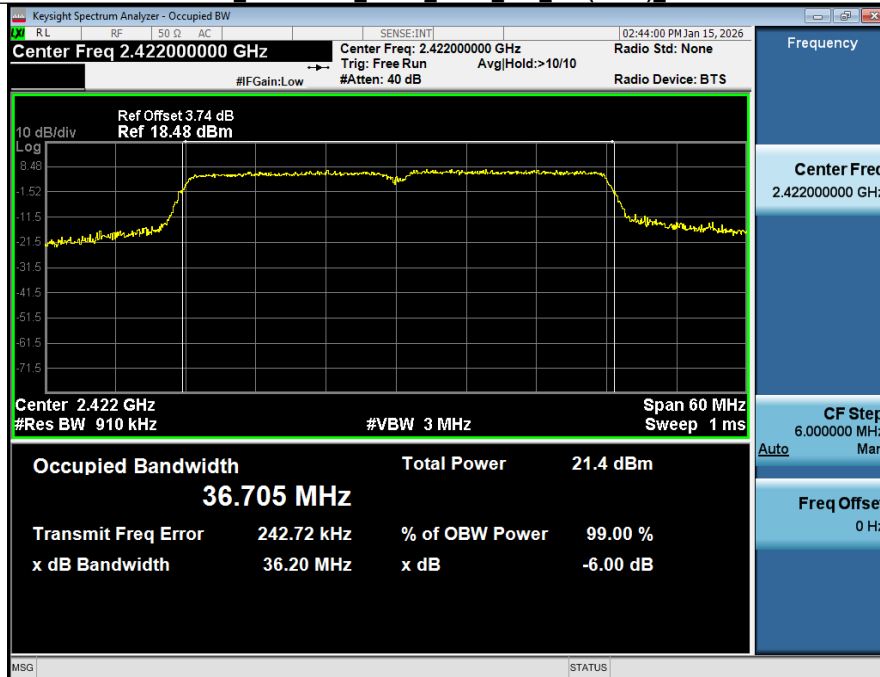
-6dB Bandwidth NVNT_ANT1_802_11ax(HE20)_2437



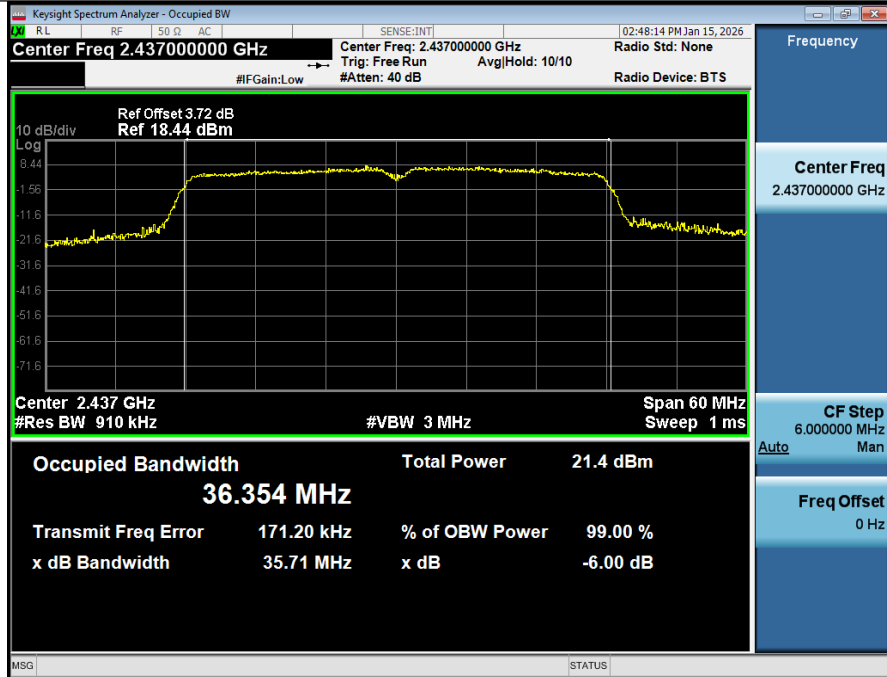
-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2462



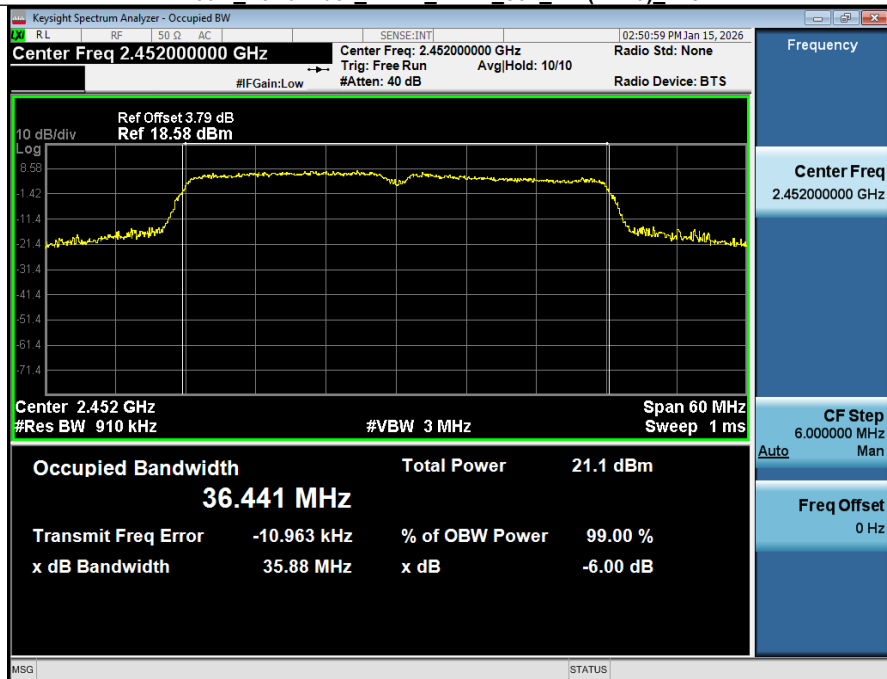
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



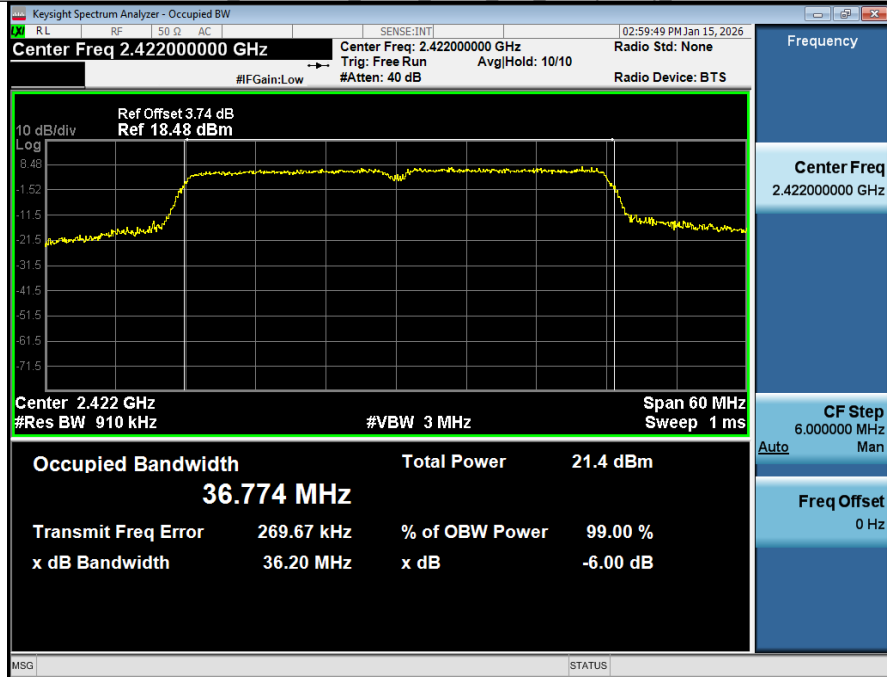
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



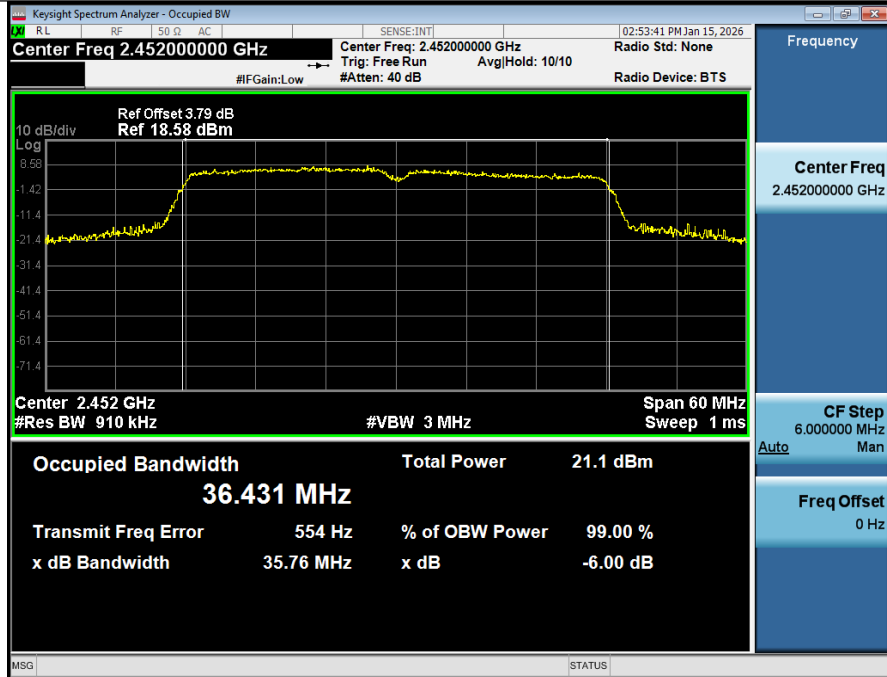
-6dB Bandwidth NVNT_ANT1_802_11ax(HE40)_2422



-6dB Bandwidth NVNT_ANT1_802_11ax(HE40)_2437

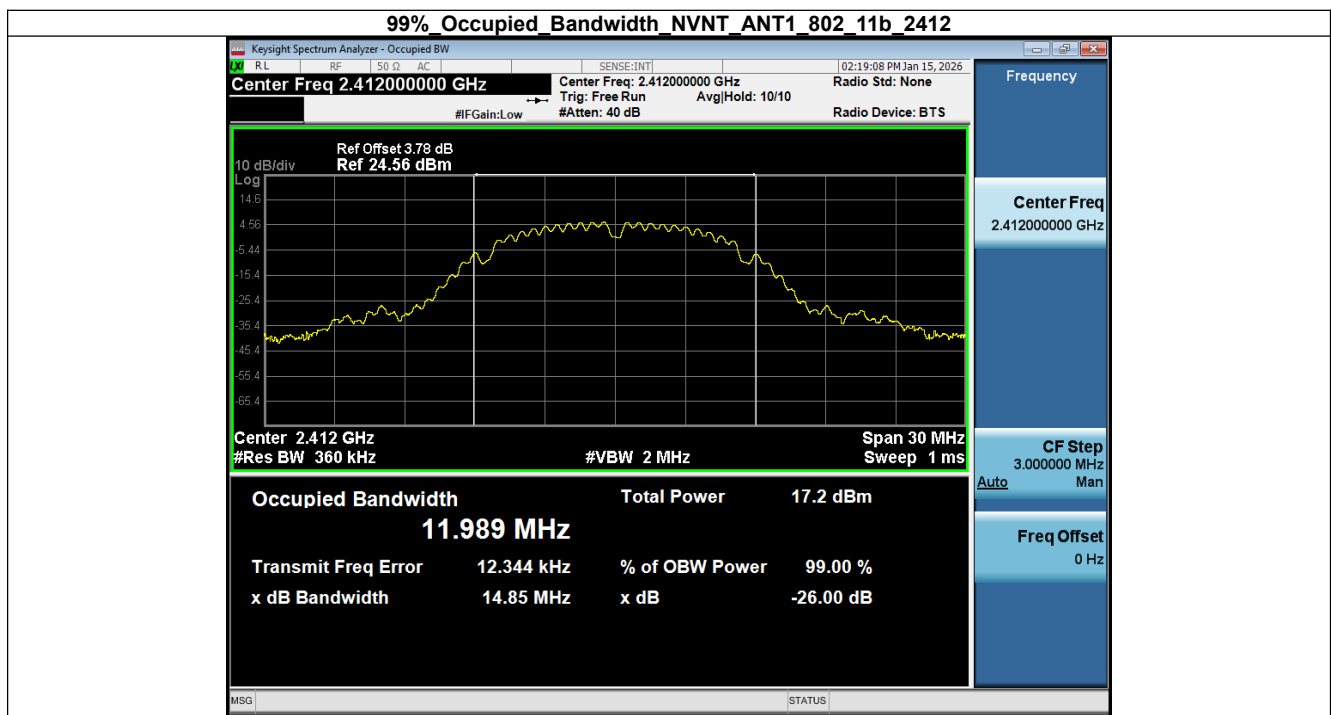


-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2452



2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	802.11b	2412.00	11.989
NVNT	ANT1	802.11b	2437.00	12.062
NVNT	ANT1	802.11b	2462.00	12.033
NVNT	ANT1	802.11g	2412.00	17.359
NVNT	ANT1	802.11g	2437.00	18.457
NVNT	ANT1	802.11g	2462.00	17.705
NVNT	ANT1	802.11n(HT20)	2412.00	17.877
NVNT	ANT1	802.11n(HT20)	2437.00	18.124
NVNT	ANT1	802.11n(HT20)	2462.00	18.106
NVNT	ANT1	802.11ax(HE20)	2412.00	17.796
NVNT	ANT1	802.11ax(HE20)	2437.00	18.097
NVNT	ANT1	802.11ax(HE20)	2462.00	18.092
NVNT	ANT1	802.11n(HT40)	2422.00	36.875
NVNT	ANT1	802.11n(HT40)	2437.00	36.429
NVNT	ANT1	802.11n(HT40)	2452.00	36.477
NVNT	ANT1	802.11ax(HE40)	2422.00	36.845
NVNT	ANT1	802.11ax(HE40)	2437.00	36.408
NVNT	ANT1	802.11ax(HE40)	2452.00	36.459



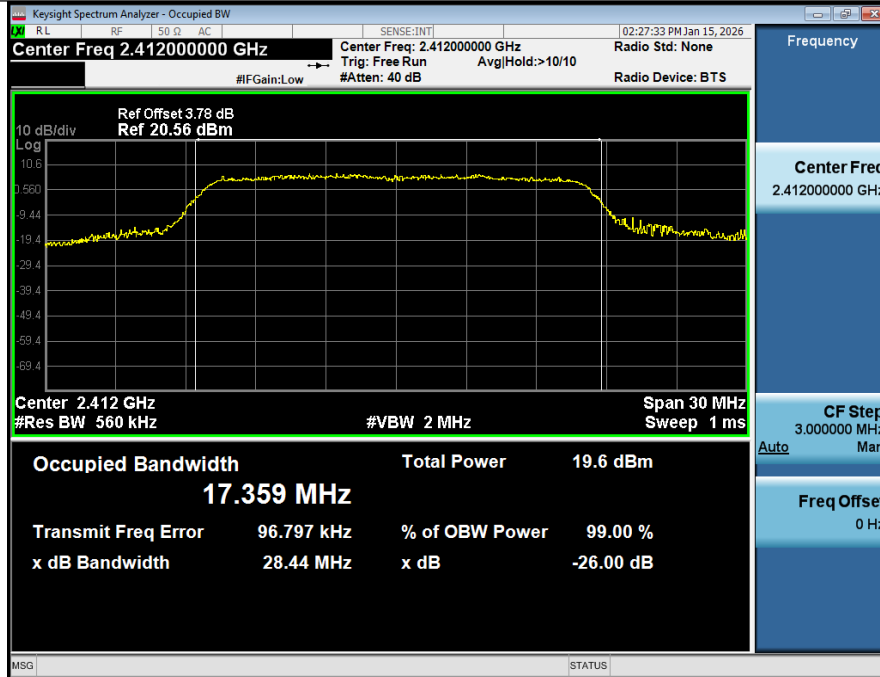
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



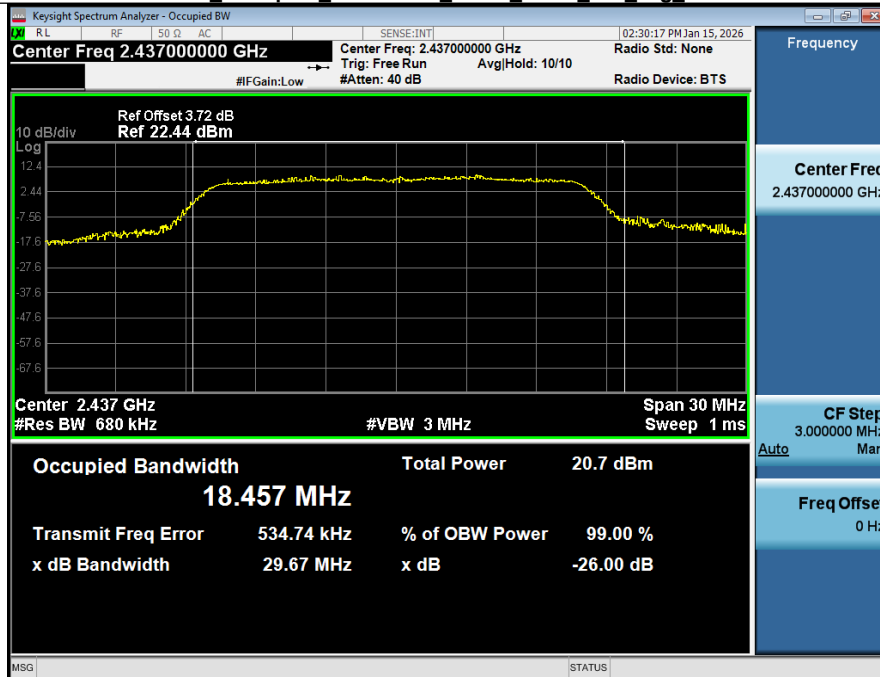
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



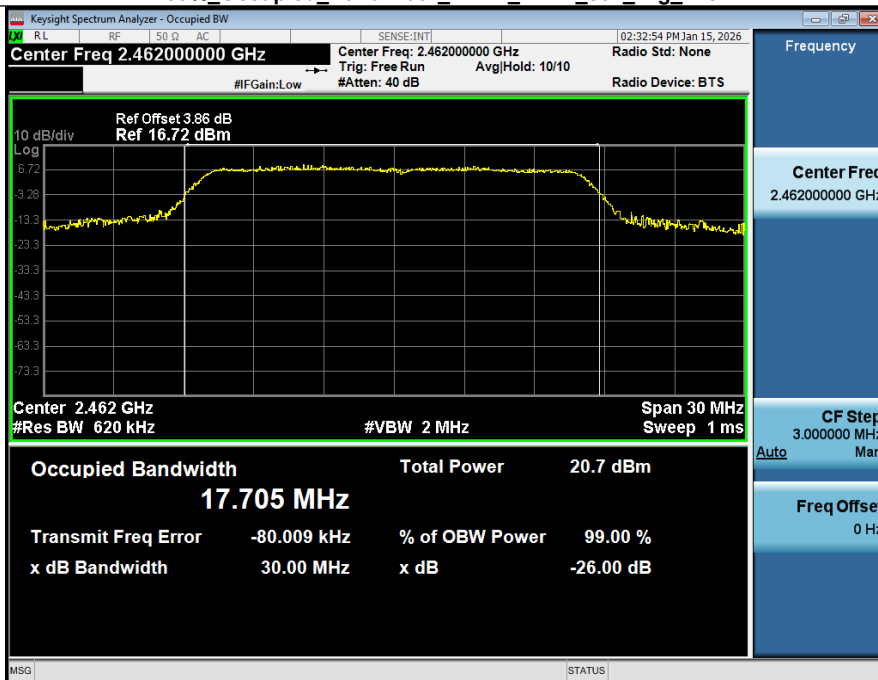
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



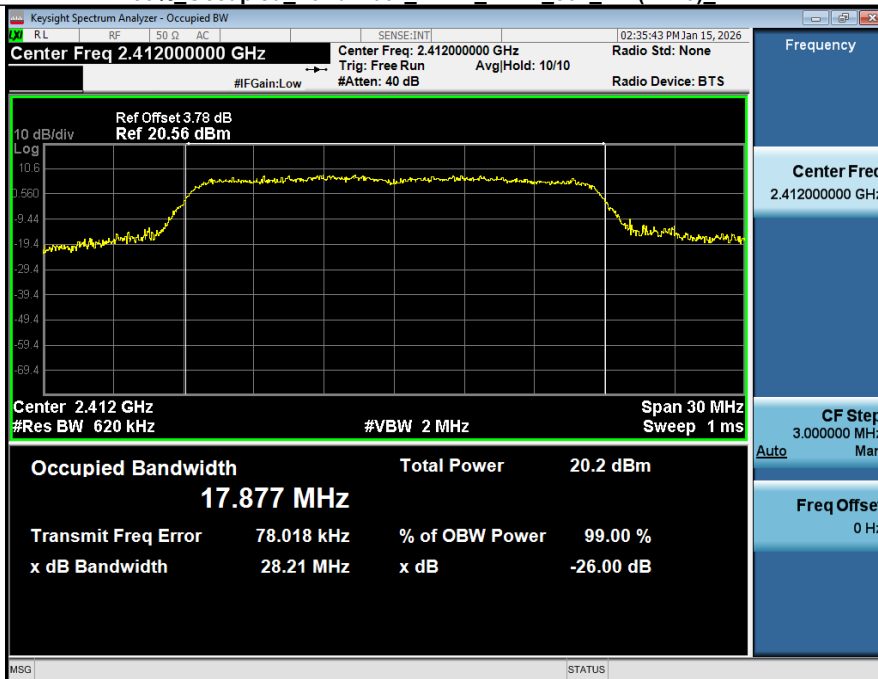
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437

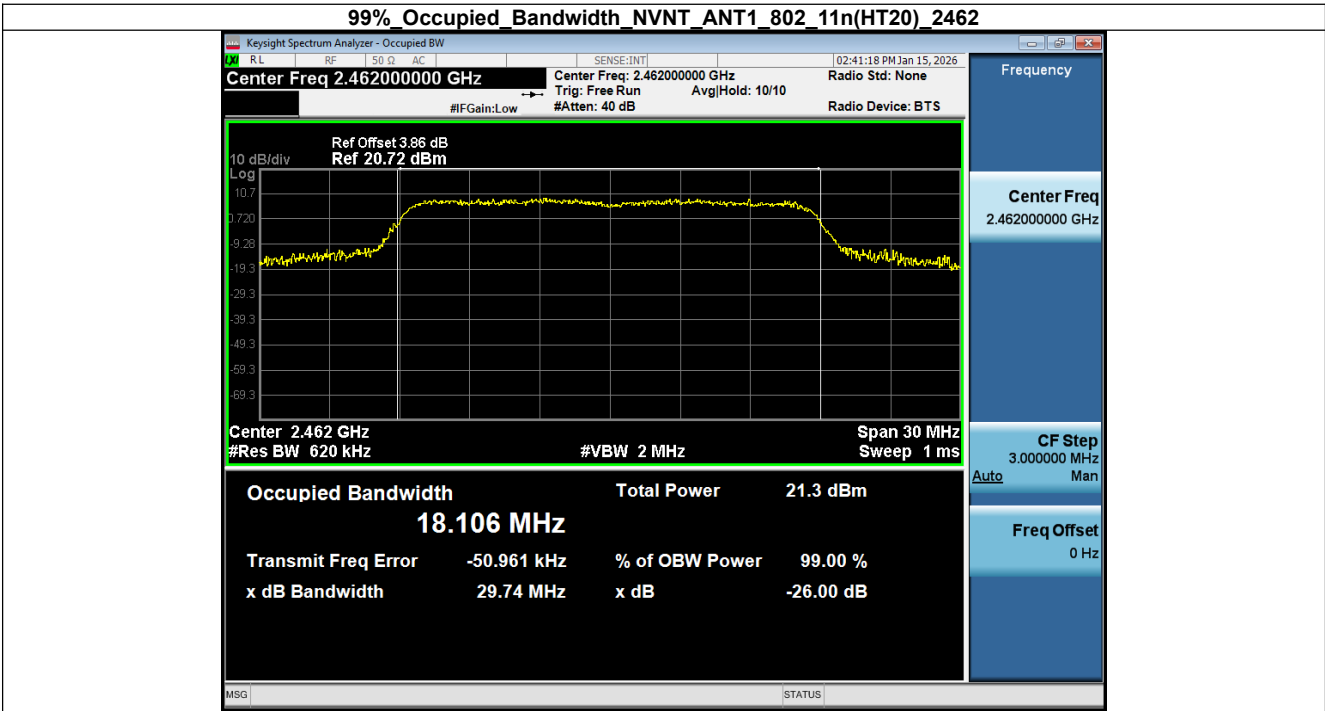
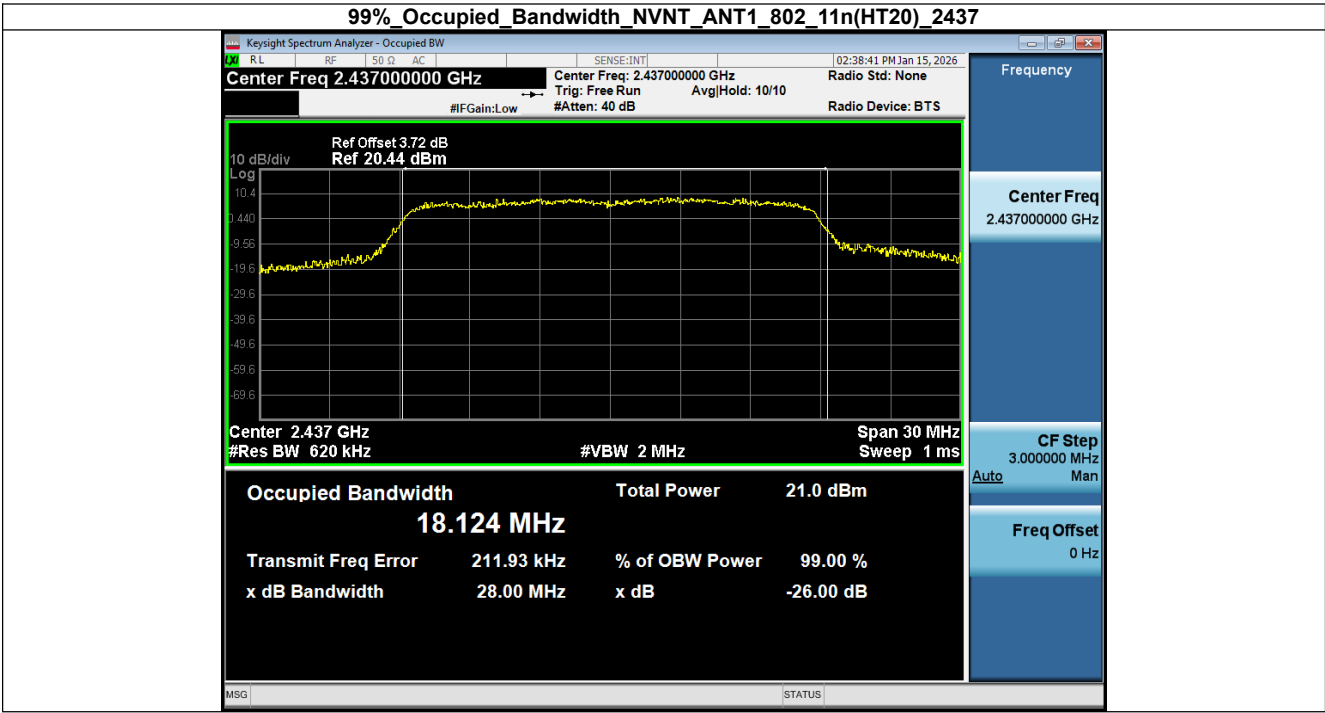


99% Occupied Bandwidth NVNT_ANT1_802_11g_2462

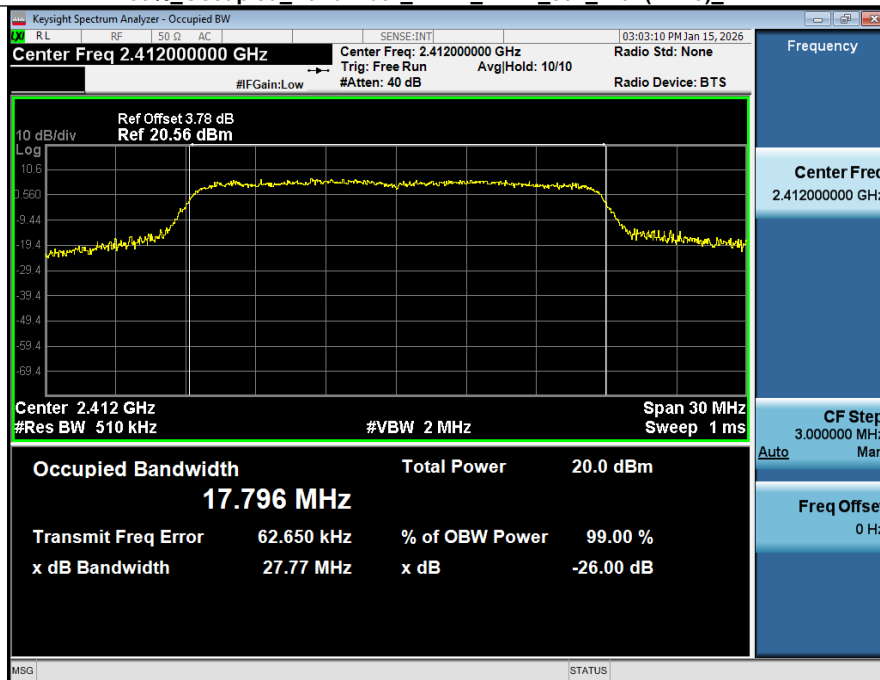


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412

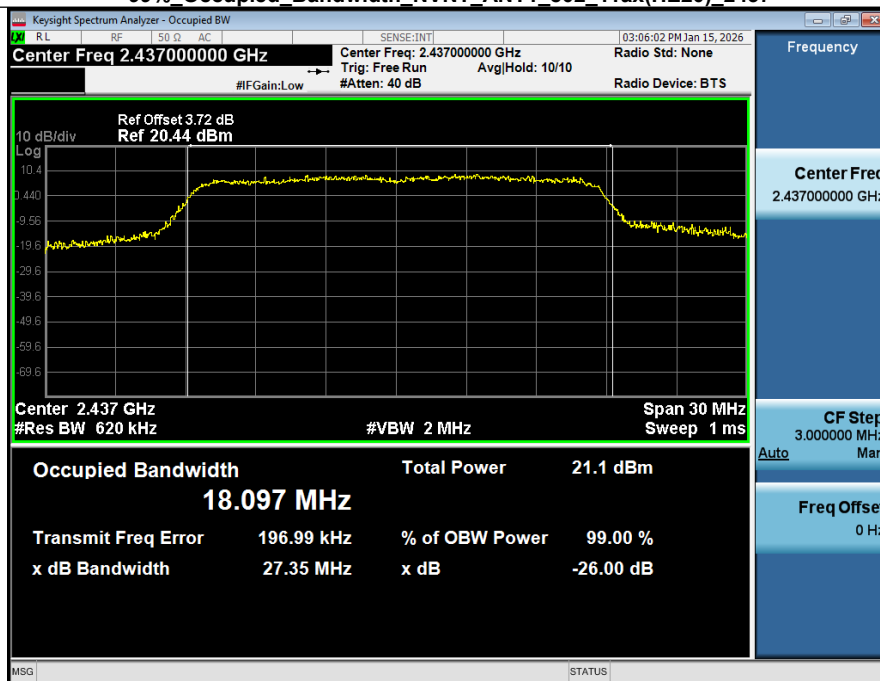




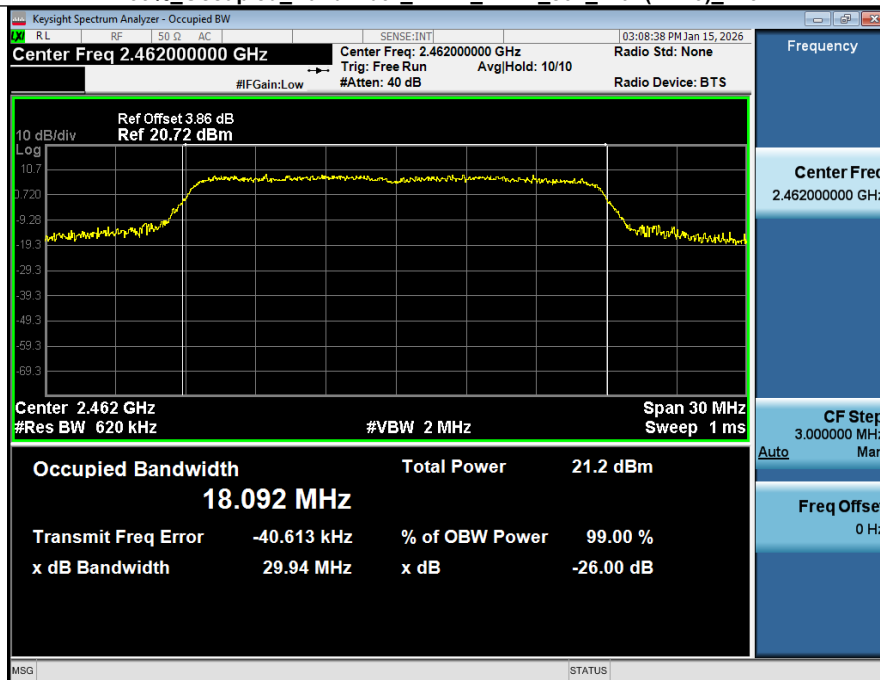
99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2412



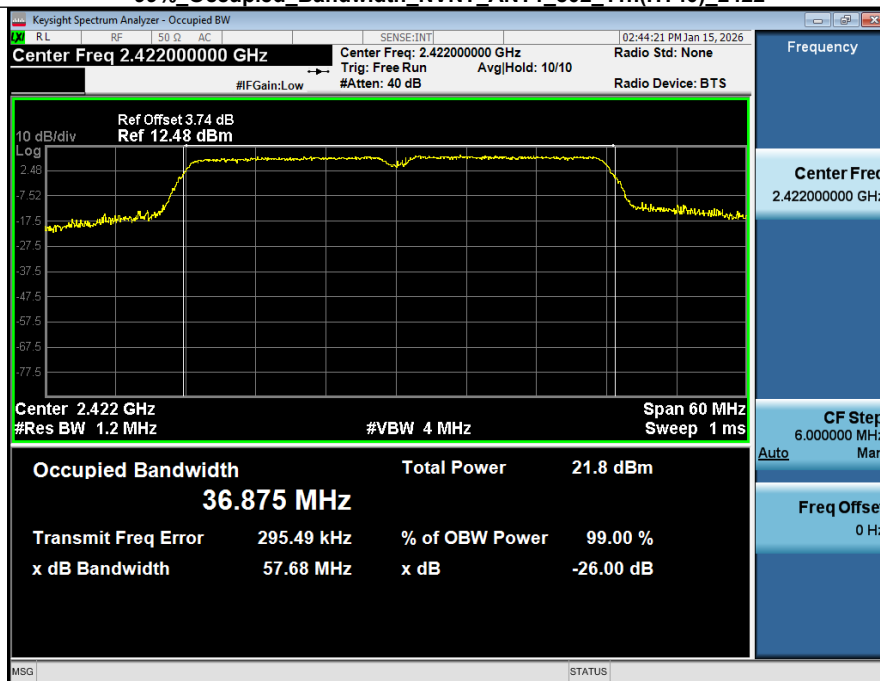
99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2437

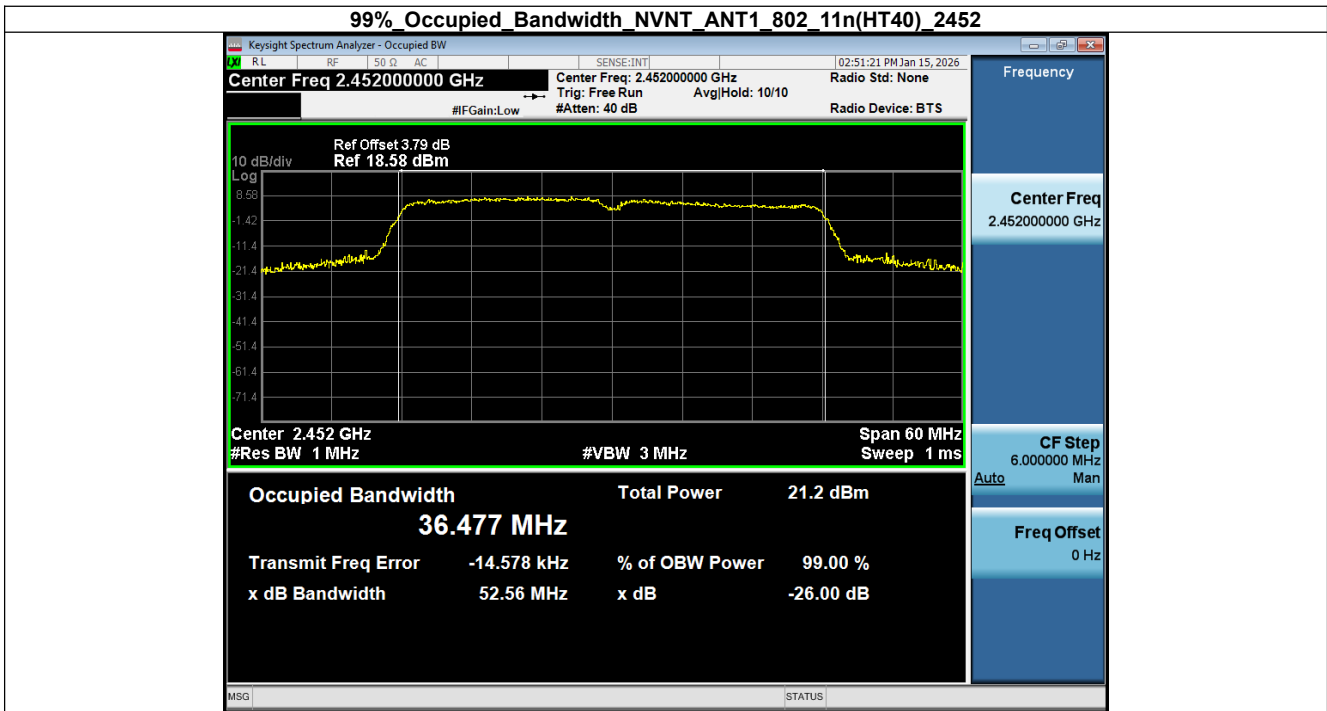
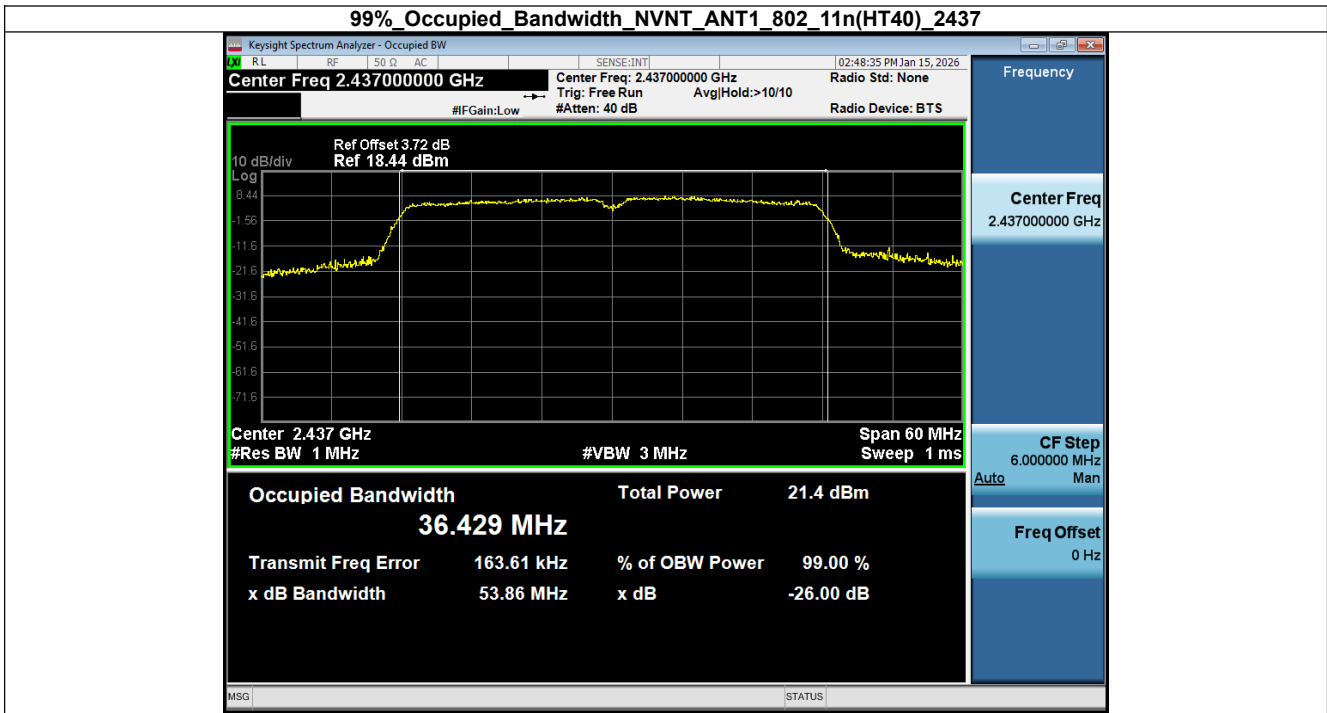


99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2462

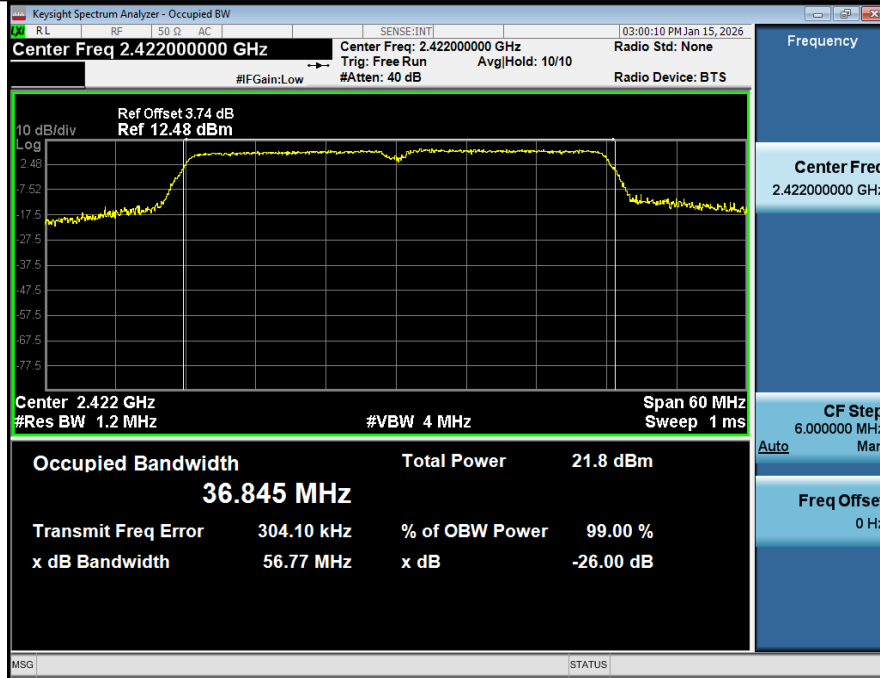


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT40)_2422

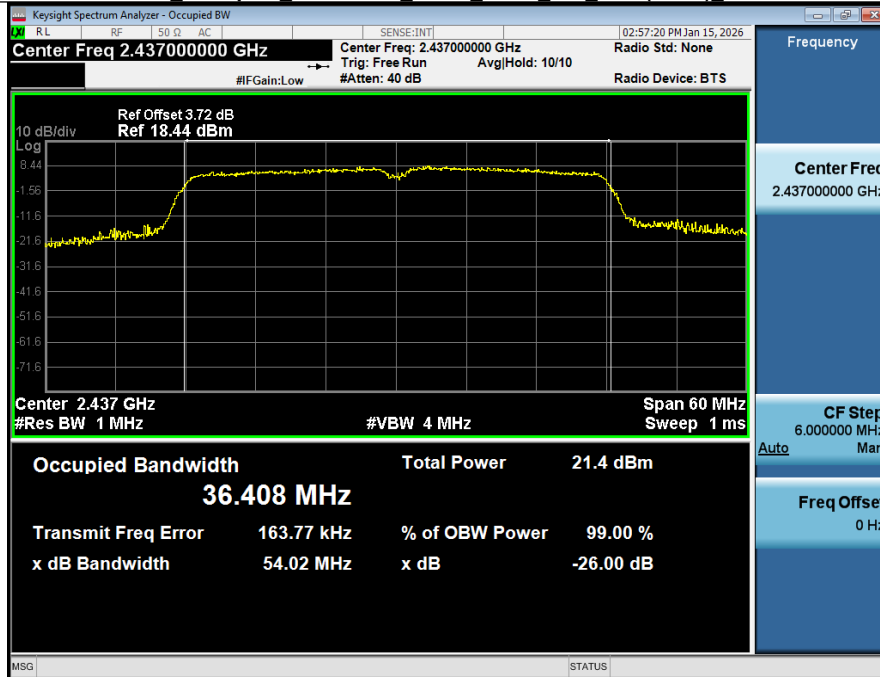




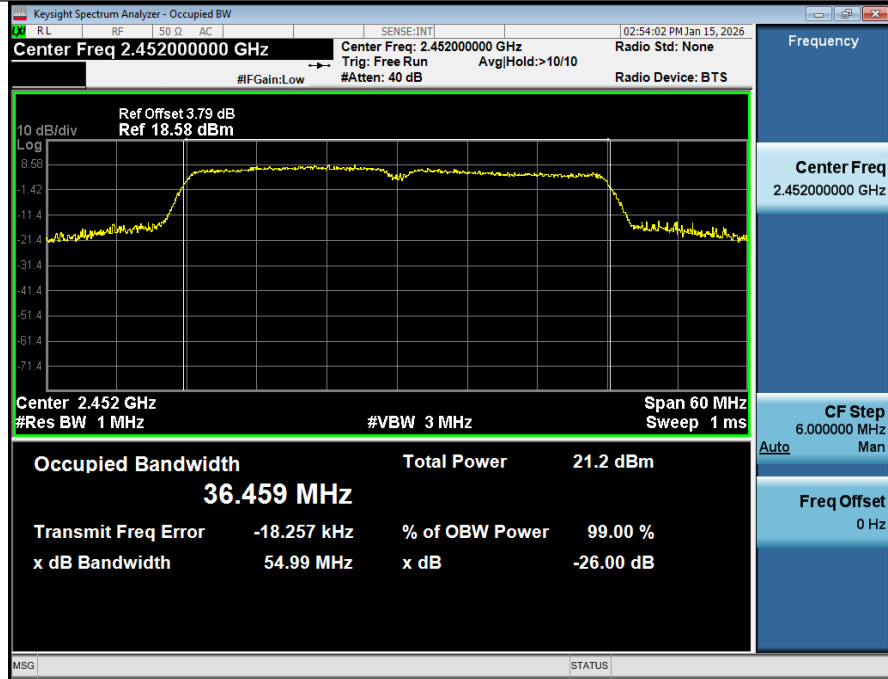
99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2422



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2437

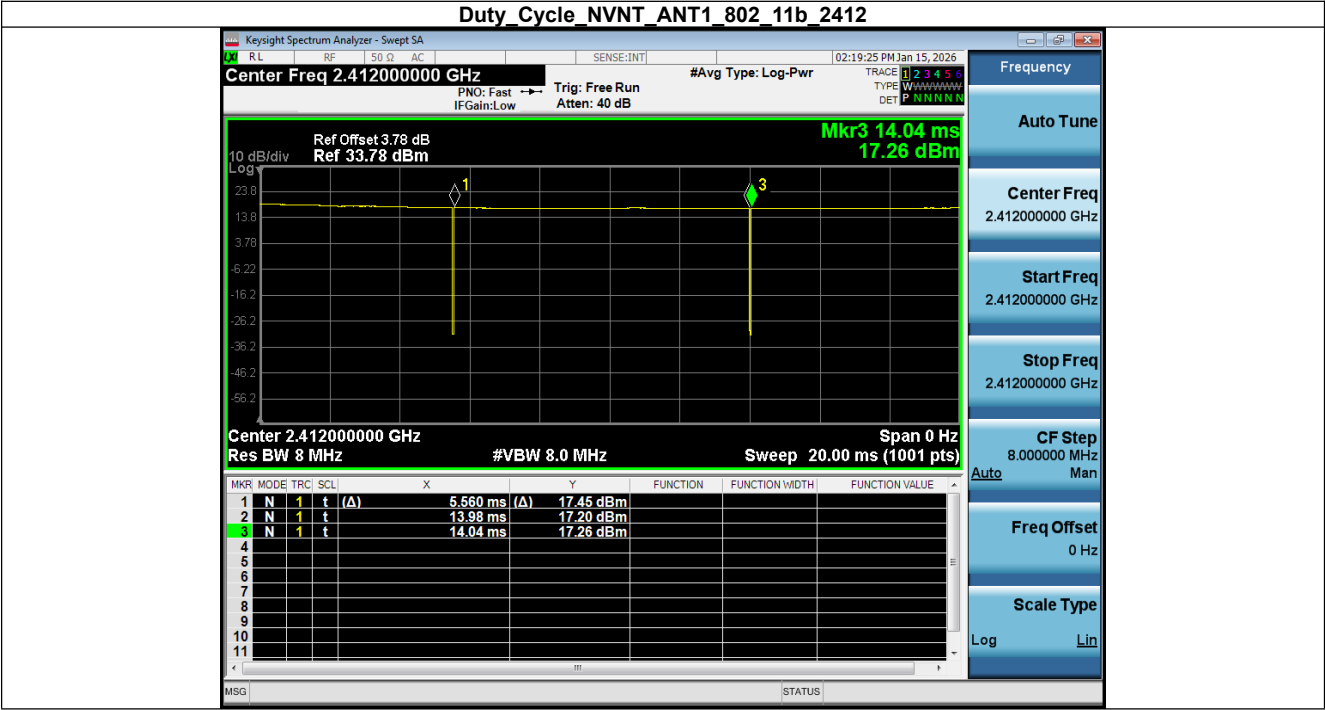


99% Occupied Bandwidth_NVNT_ANT1_802_11ax(HE40)_2452

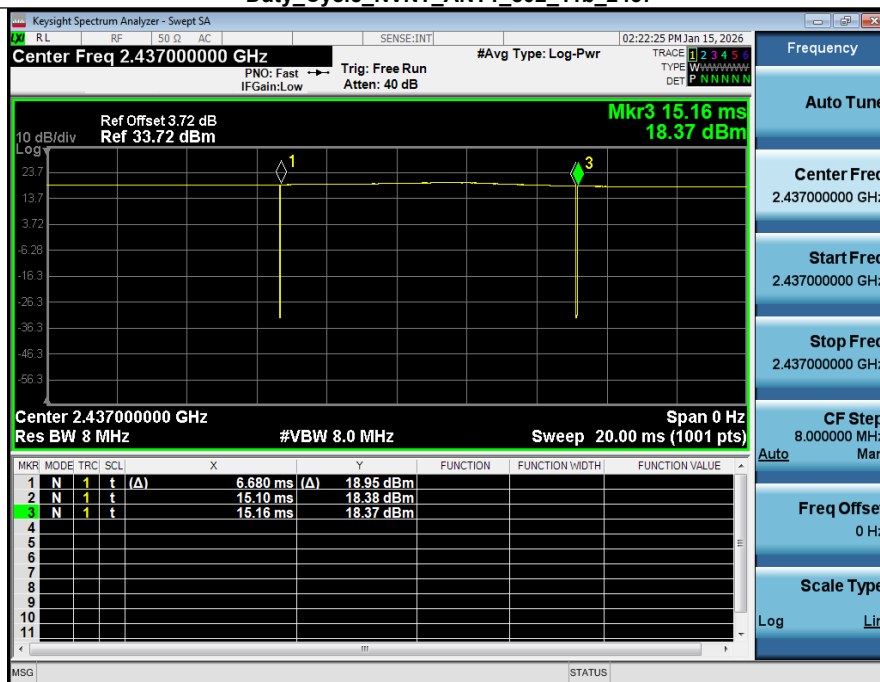


3. Duty Cycle

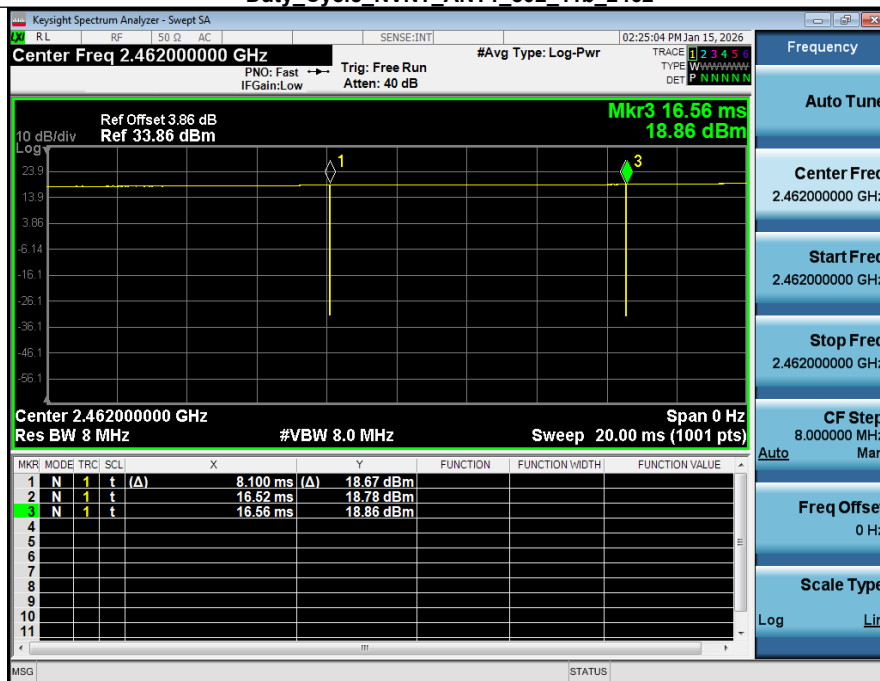
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.76	0.00
NVNT	ANT1	802.11g	2412.00	97.22	0.12
NVNT	ANT1	802.11g	2437.00	97.26	0.12
NVNT	ANT1	802.11g	2462.00	98.61	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	96.77	0.14
NVNT	ANT1	802.11n(HT20)	2437.00	96.77	0.14
NVNT	ANT1	802.11n(HT20)	2462.00	96.77	0.14
NVNT	ANT1	802.11ax(HE20)	2412.00	98.36	0.00
NVNT	ANT1	802.11ax(HE20)	2437.00	96.77	0.14
NVNT	ANT1	802.11ax(HE20)	2462.00	96.77	0.14
NVNT	ANT1	802.11n(HT40)	2422.00	93.75	0.28
NVNT	ANT1	802.11n(HT40)	2437.00	96.88	0.14
NVNT	ANT1	802.11n(HT40)	2452.00	93.75	0.28
NVNT	ANT1	802.11ax(HE40)	2422.00	93.75	0.28
NVNT	ANT1	802.11ax(HE40)	2437.00	93.75	0.28
NVNT	ANT1	802.11ax(HE40)	2452.00	93.75	0.28



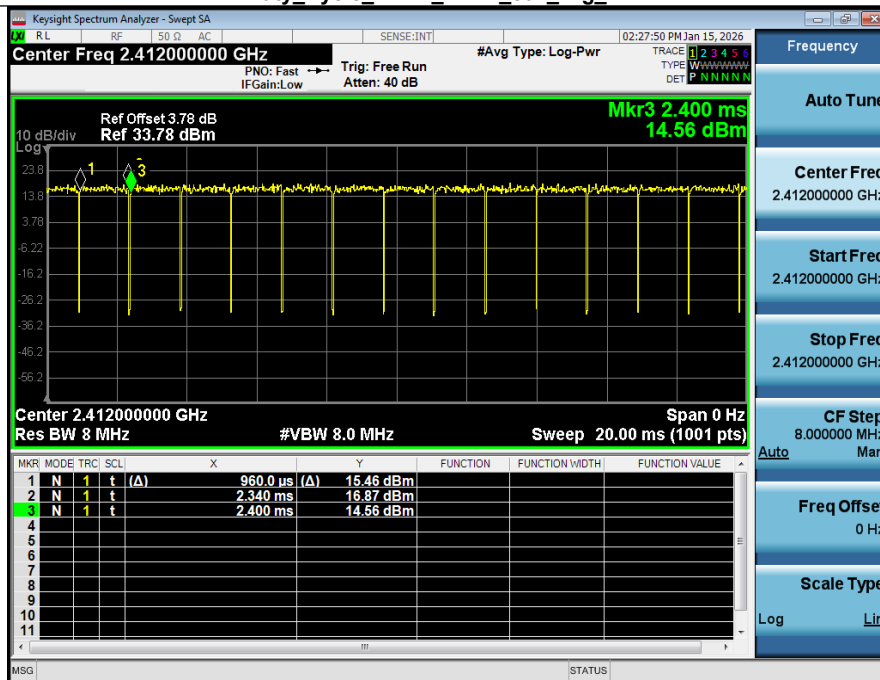
Duty Cycle NVNT_ANT1_802_11b_2437



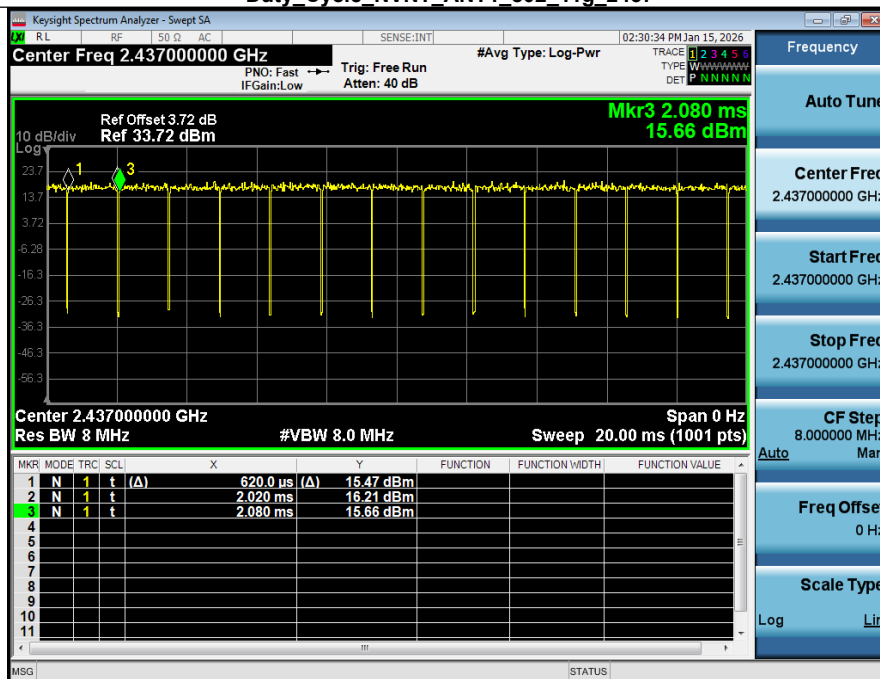
Duty Cycle NVNT_ANT1_802_11b_2462



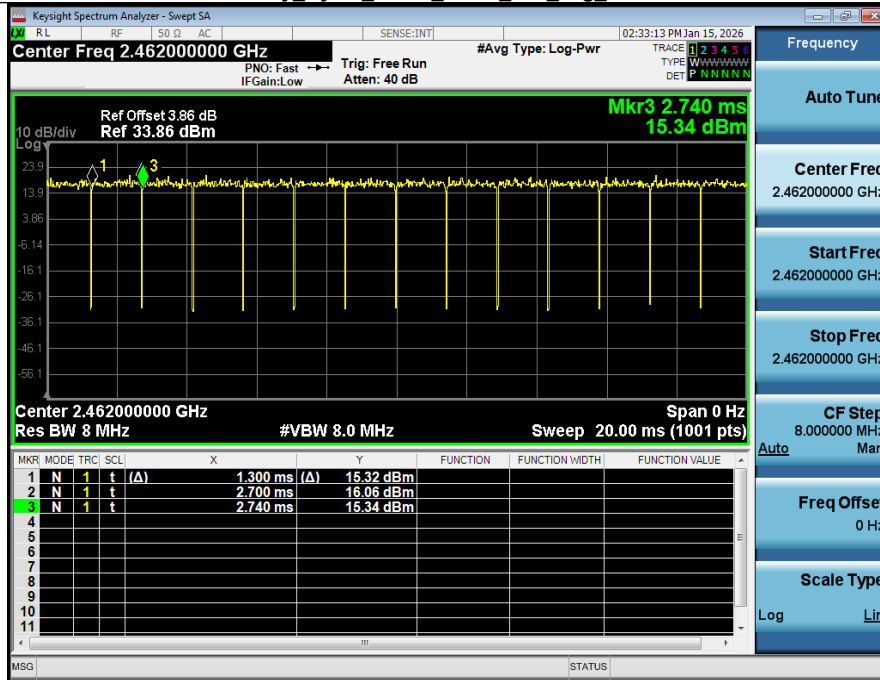
Duty Cycle NVNT_ANT1_802_11g_2412



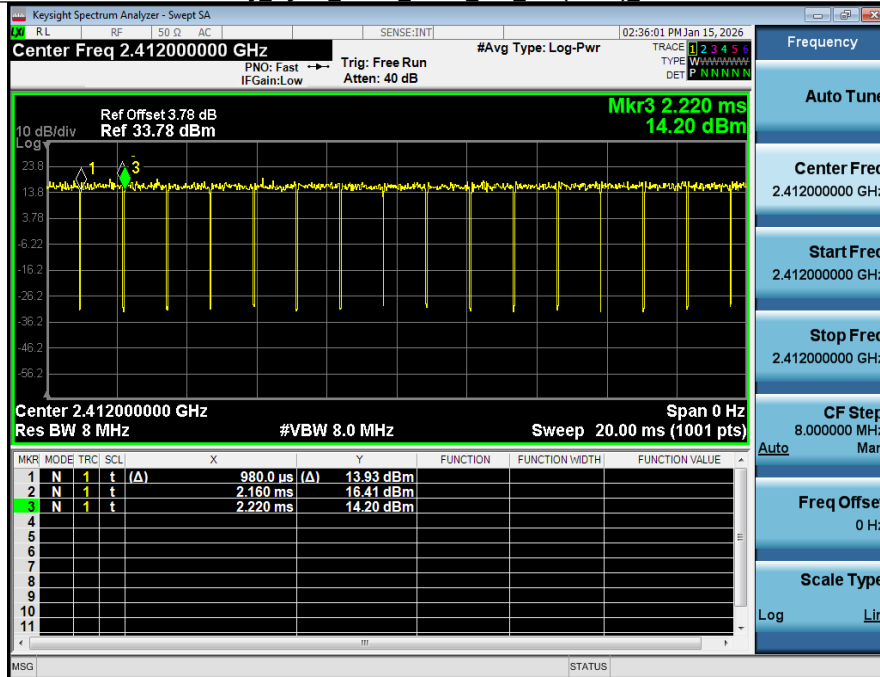
Duty Cycle NVNT_ANT1_802_11g_2437



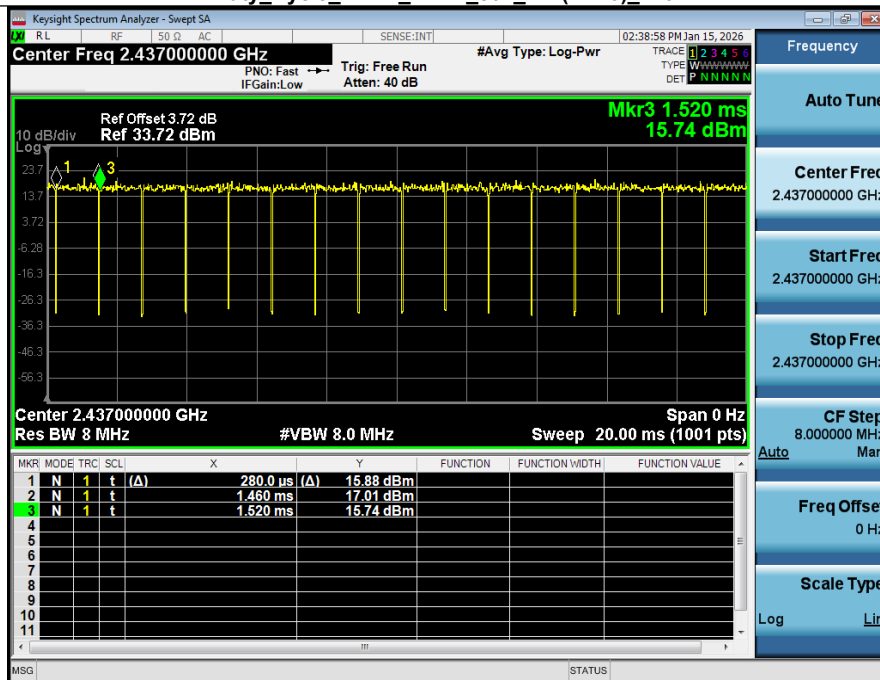
Duty Cycle NVNT_ANT1_802_11g_2462



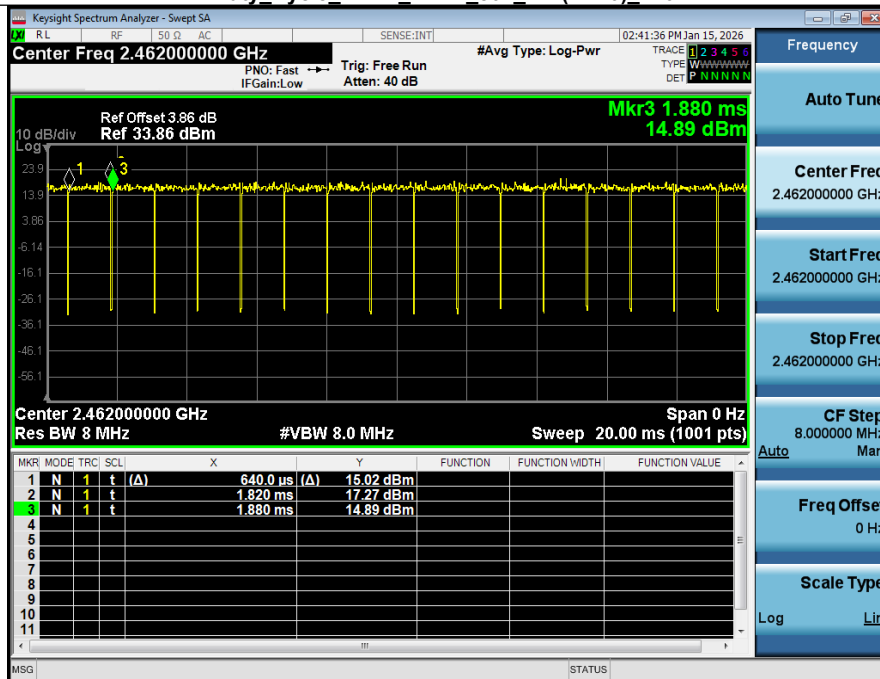
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



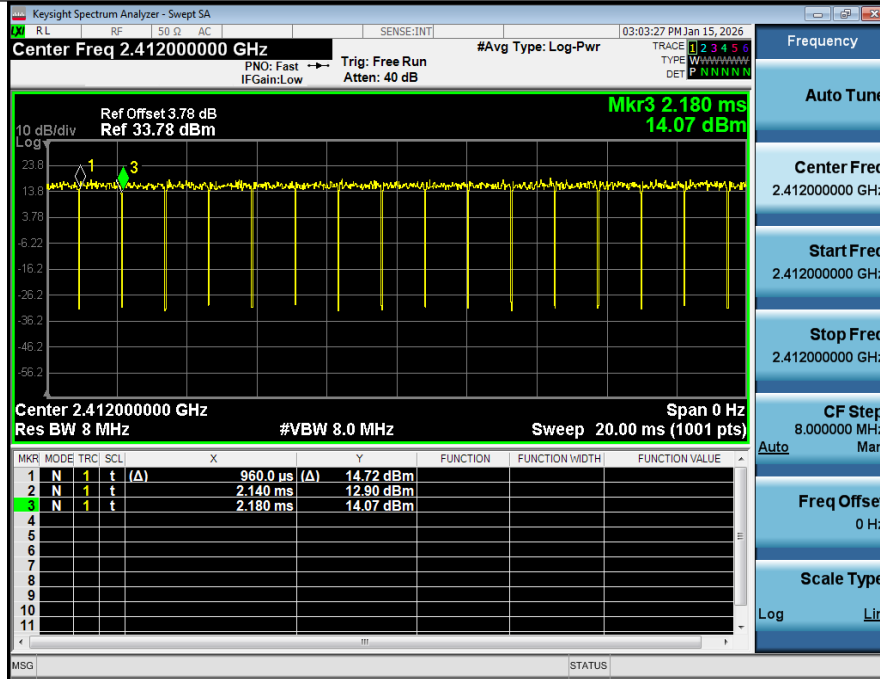
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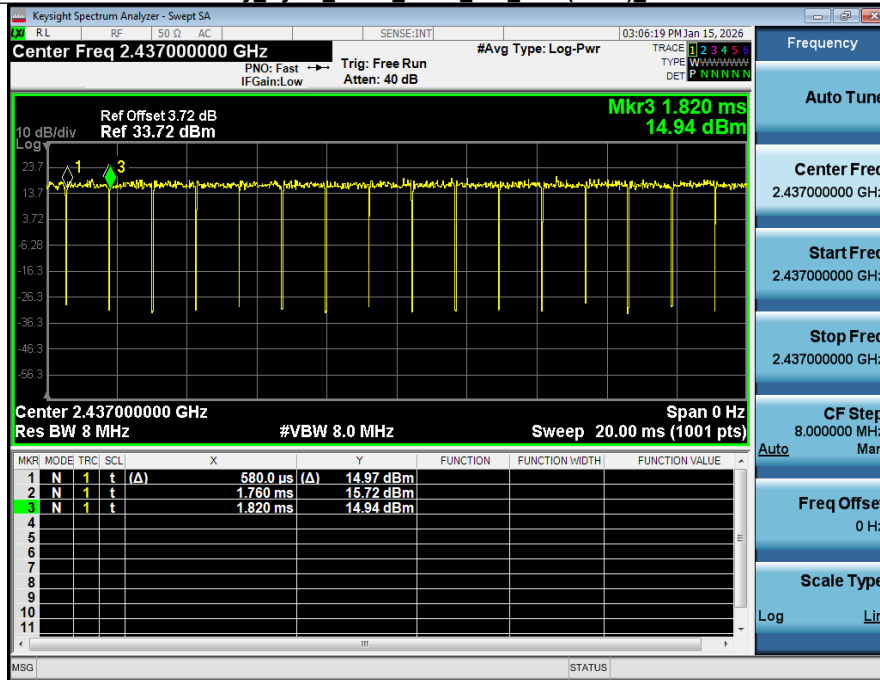
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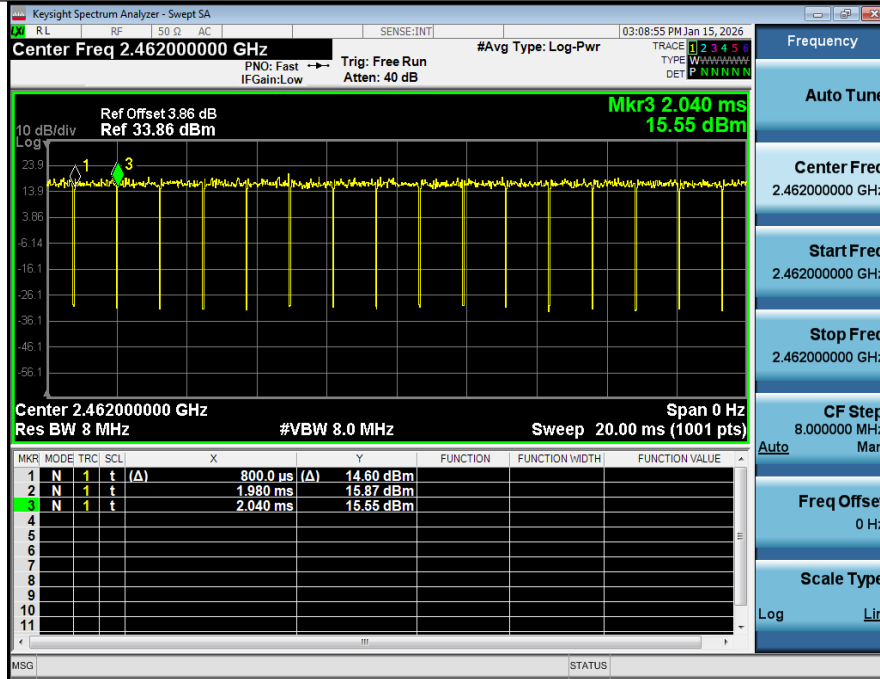
Duty Cycle NVNT_ANT1_802_11ax(HE20)_2412



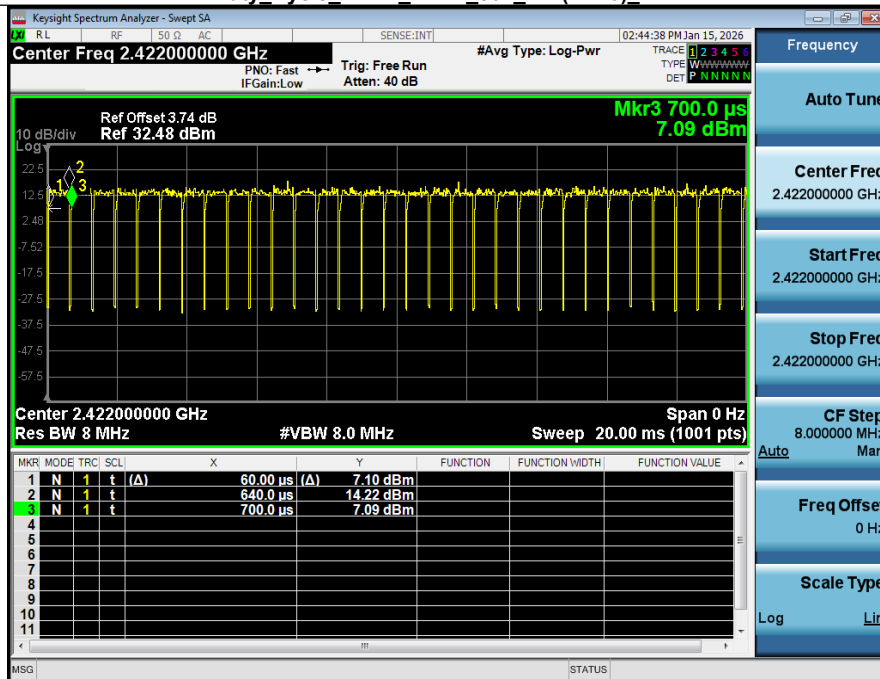
Duty Cycle NVNT_ANT1_802_11ax(HE20)_2437



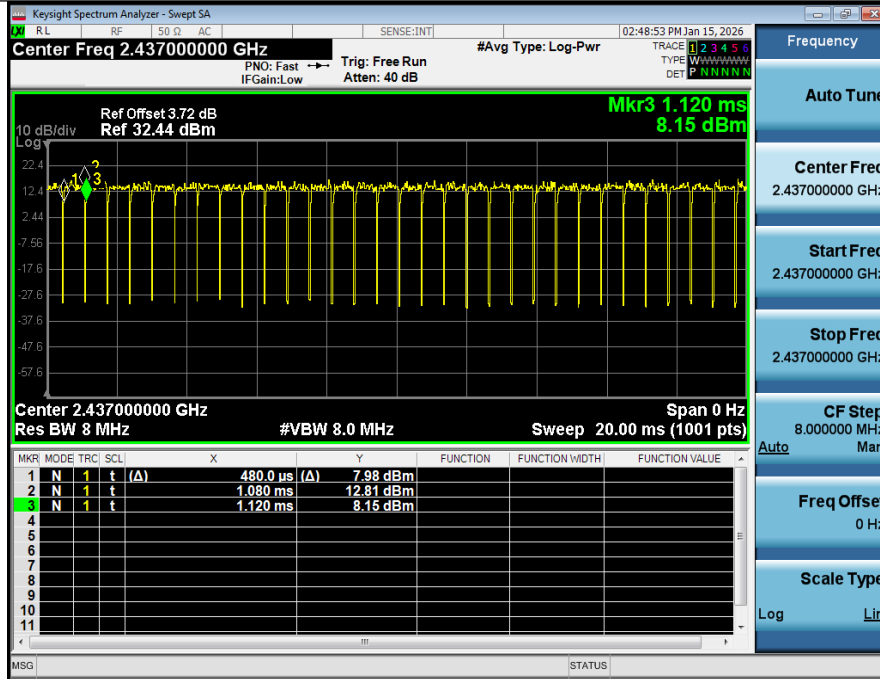
Duty Cycle_NVNT_ANT1_802_11ax(HE20)_2462



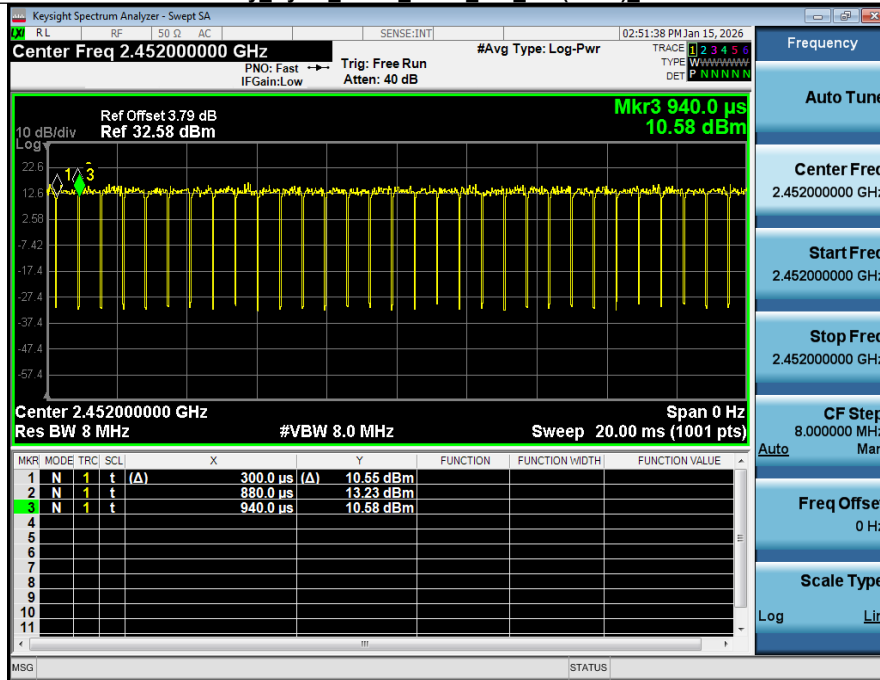
Duty Cycle_NVNT_ANT1_802_11n(HT40)_2422



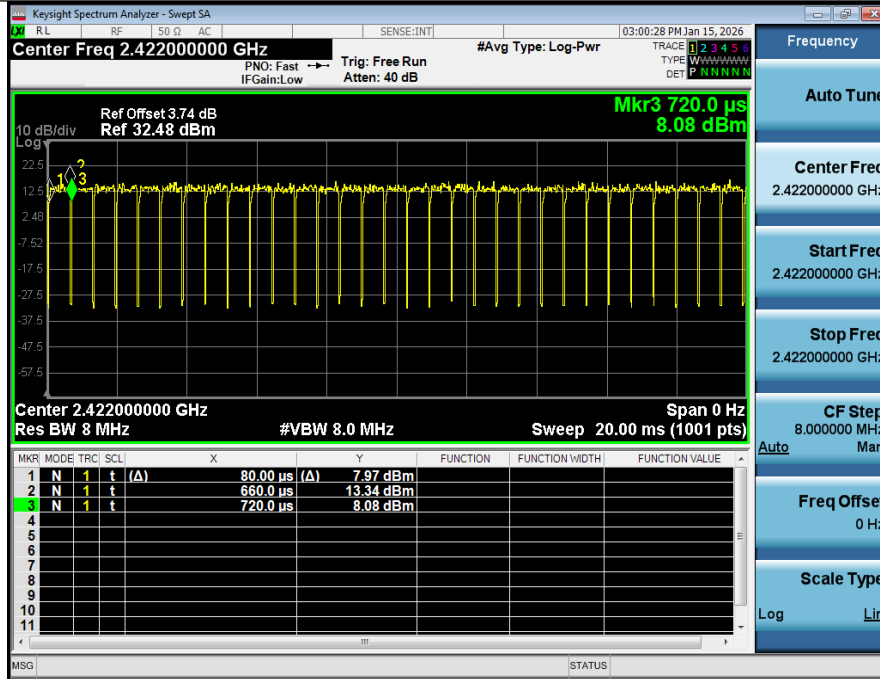
Duty Cycle NVNT_ANT1_802_11n(HT40)_2437



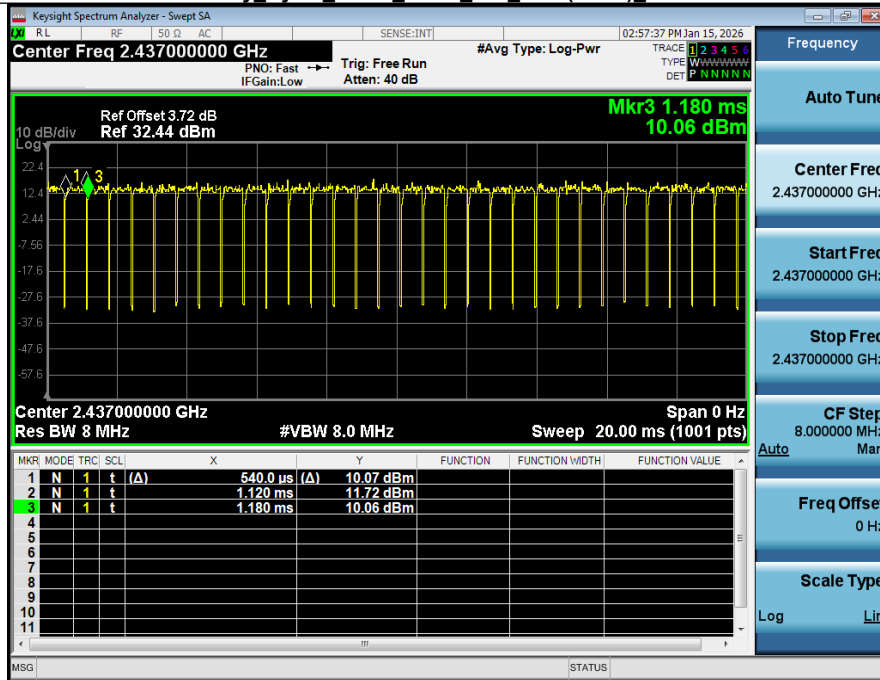
Duty Cycle NVNT_ANT1_802_11n(HT40)_2452



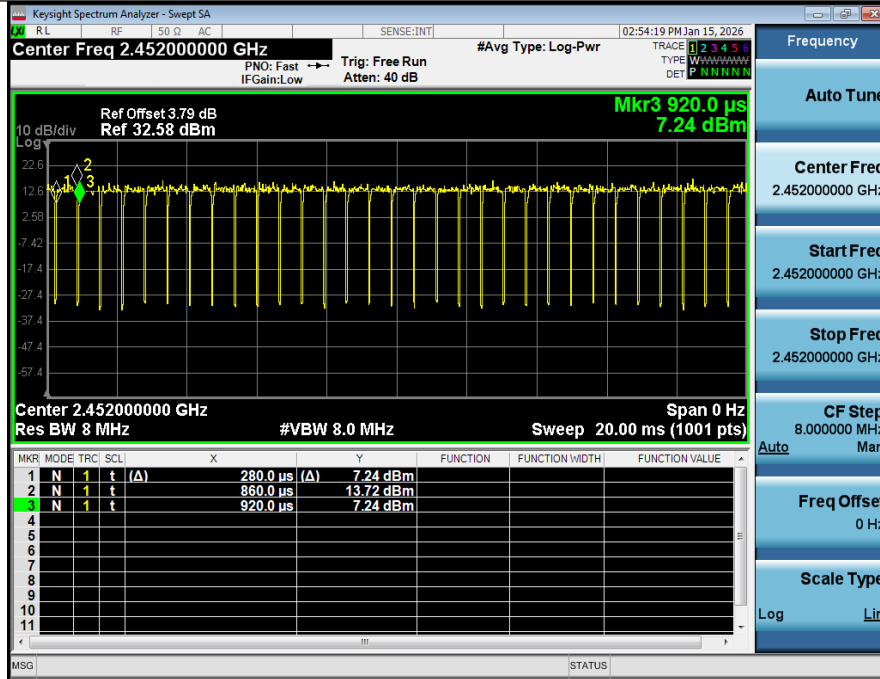
Duty Cycle NVNT_ANT1_802_11ax(HE40)_2422



Duty Cycle NVNT_ANT1_802_11ax(HE40)_2437

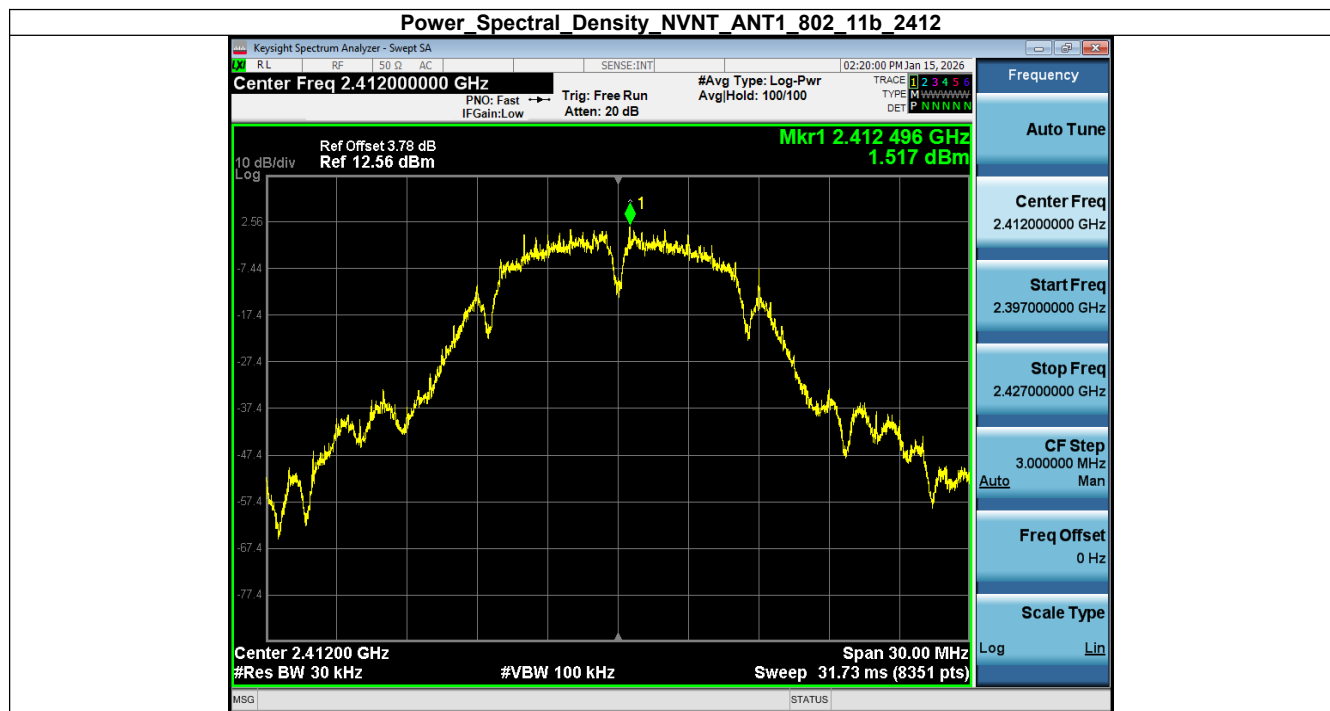


Duty Cycle NVNT_ANT1_802_11ax(HE40)_2452



4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/30kHz)	limit(dBm/30kHz)	Result
NVNT	ANT1	802.11b	2412.00	1.52	N/A	-10.00	-8.48	8	Pass
NVNT	ANT1	802.11b	2437.00	3.00	N/A	-10.00	-7.00	8	Pass
NVNT	ANT1	802.11b	2462.00	2.22	N/A	-10.00	-7.78	8	Pass
NVNT	ANT1	802.11g	2412.00	-3.18	N/A	-10.00	-13.18	8	Pass
NVNT	ANT1	802.11g	2437.00	-1.41	N/A	-10.00	-11.41	8	Pass
NVNT	ANT1	802.11g	2462.00	-2.04	N/A	-10.00	-12.04	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-3.69	N/A	-10.00	-13.69	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-2.64	N/A	-10.00	-12.64	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-2.85	N/A	-10.00	-12.85	8	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	-3.73	N/A	-10.00	-13.73	8	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	-2.59	N/A	-10.00	-12.59	8	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	-3.04	N/A	-10.00	-13.04	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-6.46	N/A	-10.00	-16.46	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-5.73	N/A	-10.00	-15.73	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-5.71	N/A	-10.00	-15.71	8	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	-6.43	N/A	-10.00	-16.43	8	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	-5.56	N/A	-10.00	-15.56	8	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	-5.51	N/A	-10.00	-15.51	8	Pass



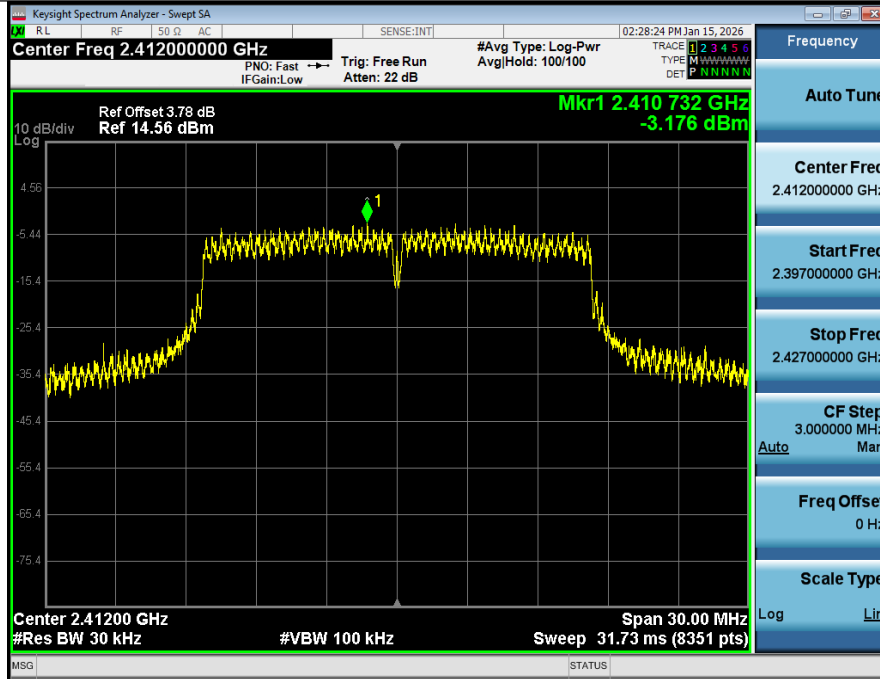
Power Spectral Density NVNT_ANT1_802_11b_2437



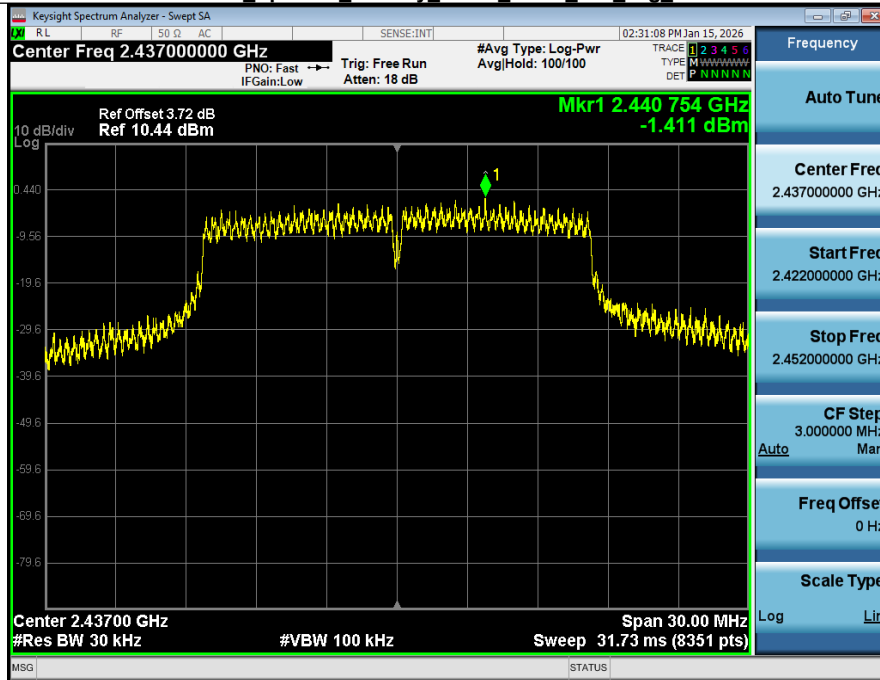
Power Spectral Density NVNT_ANT1_802_11b_2462



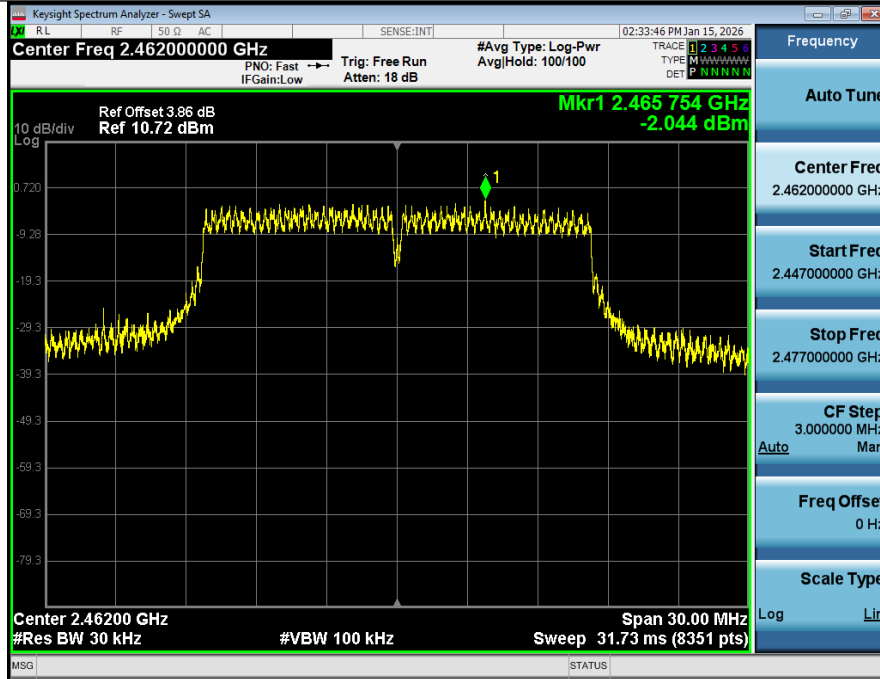
Power Spectral Density NVNT_ANT1_802_11g_2412



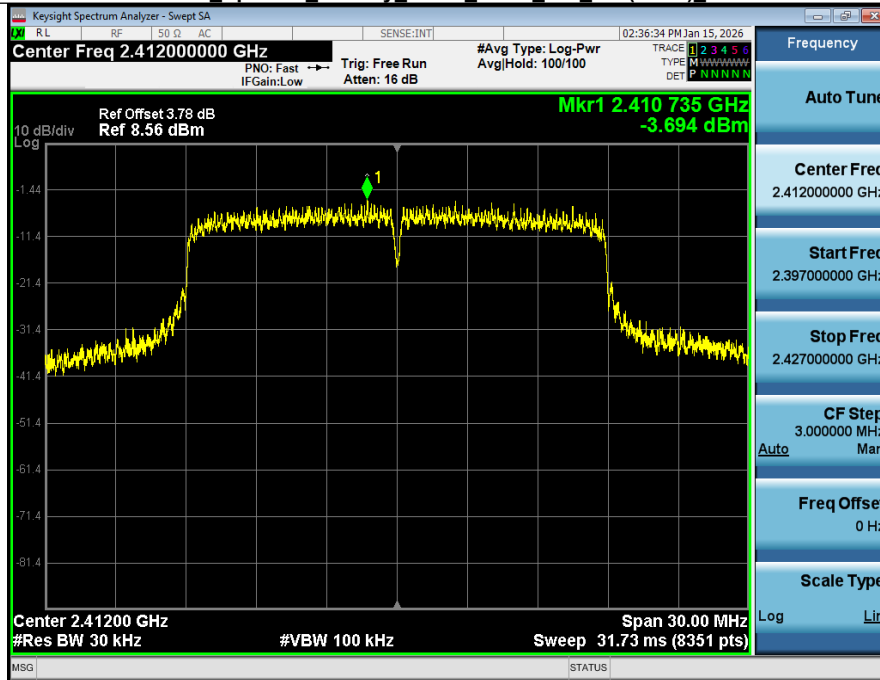
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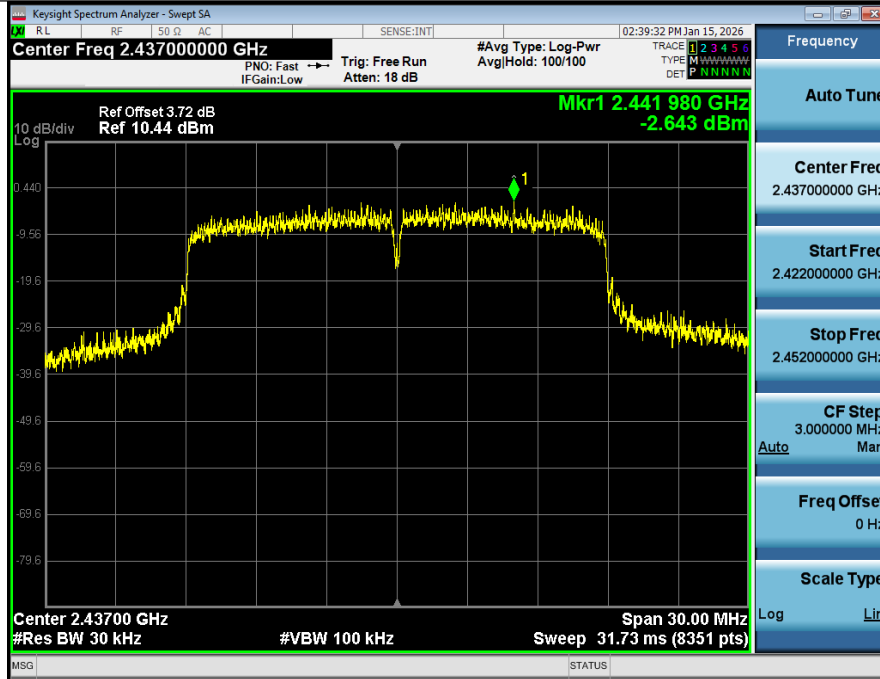
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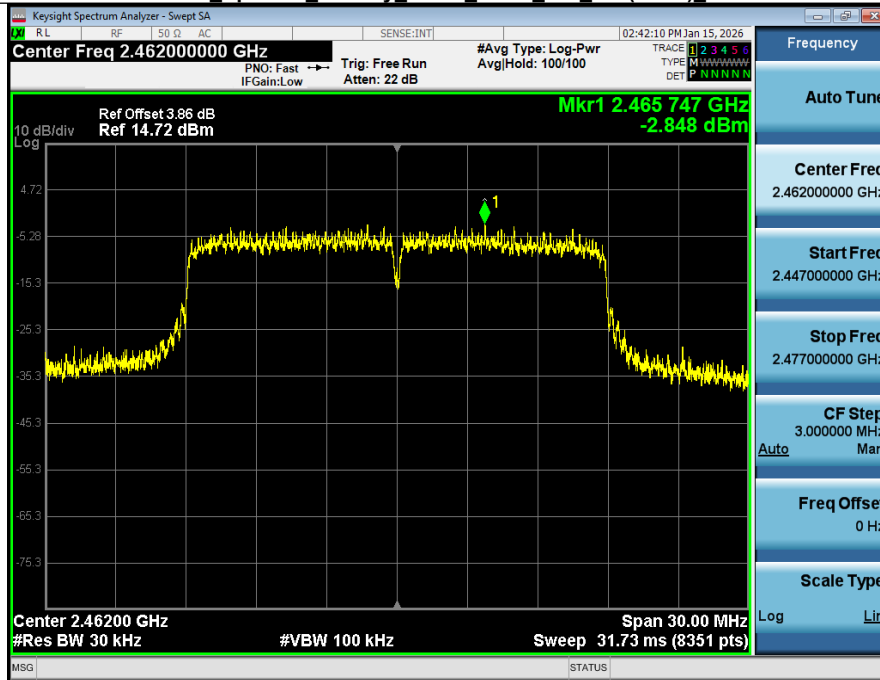
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



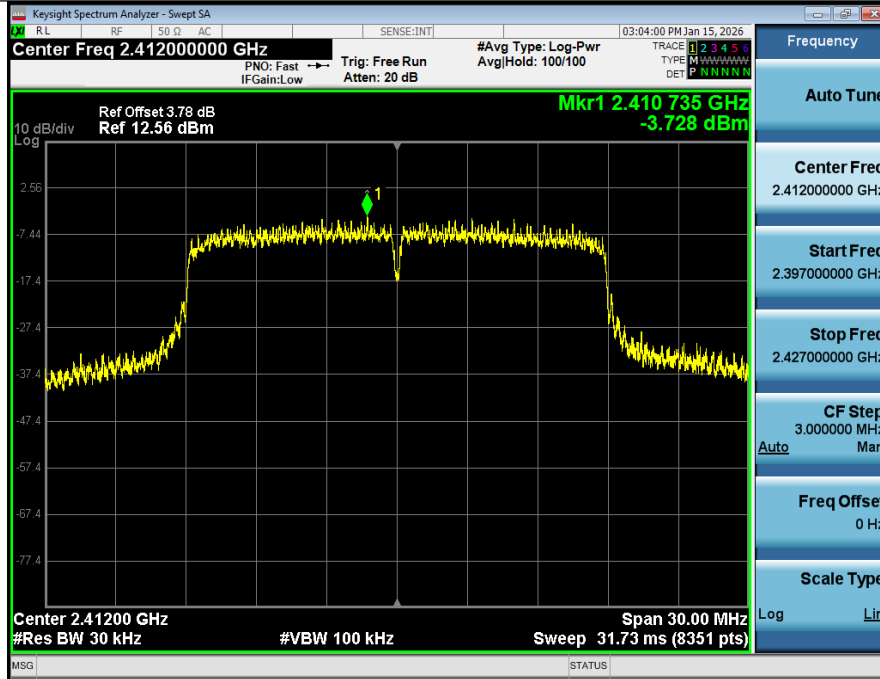
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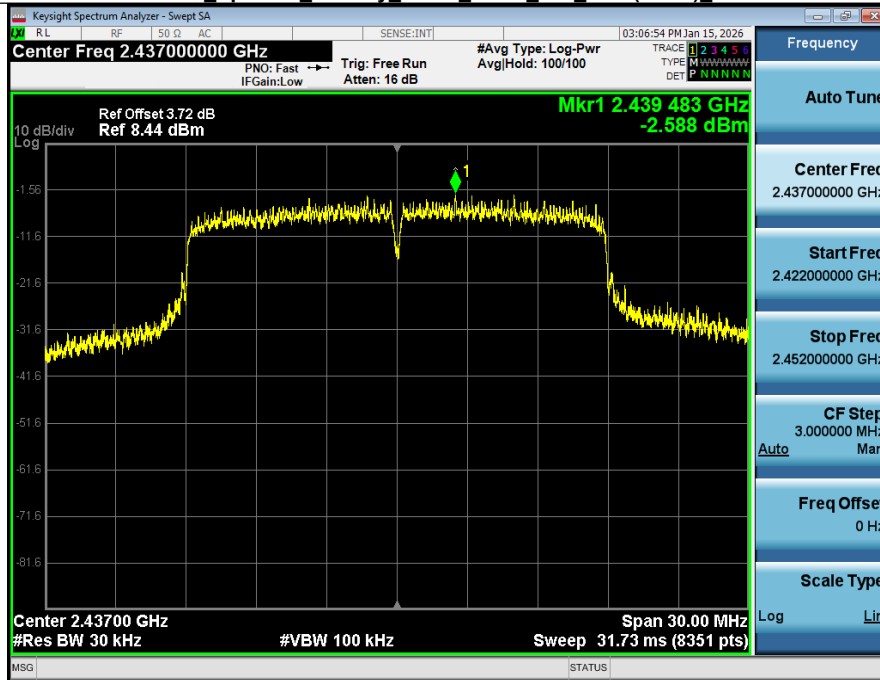
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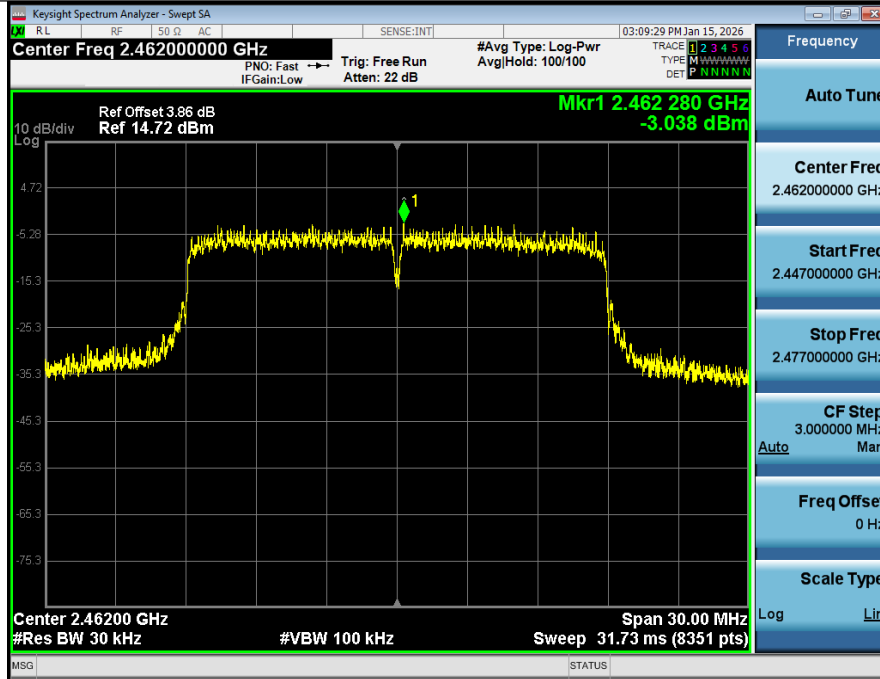
Power Spectral Density_NVNT_ANT1_802_11ax(HE20)_2412



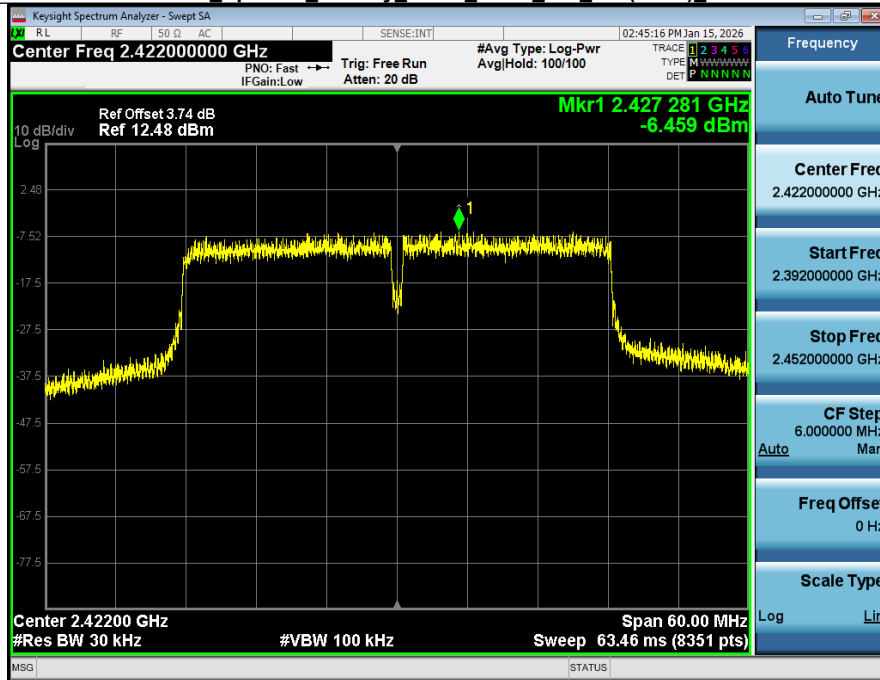
Power Spectral Density_NVNT_ANT1_802_11ax(HE20)_2437



Power Spectral Density_NVNT_ANT1_802_11ax(HE20)_2462



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2422



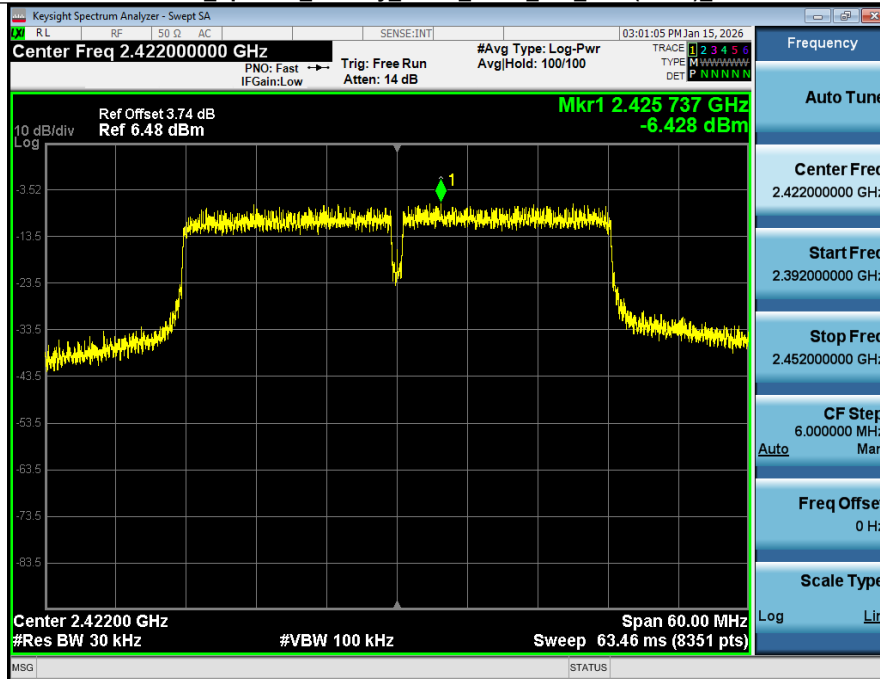
Power Spectral Density NVNT_ANT1_802_11n(HT40)_2437



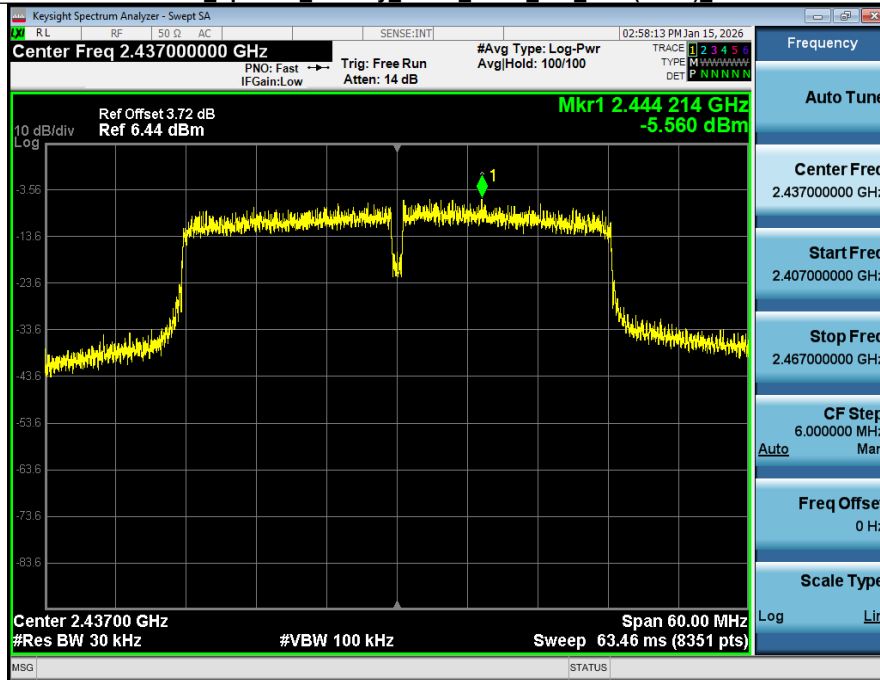
Power Spectral Density NVNT_ANT1_802_11n(HT40)_2452



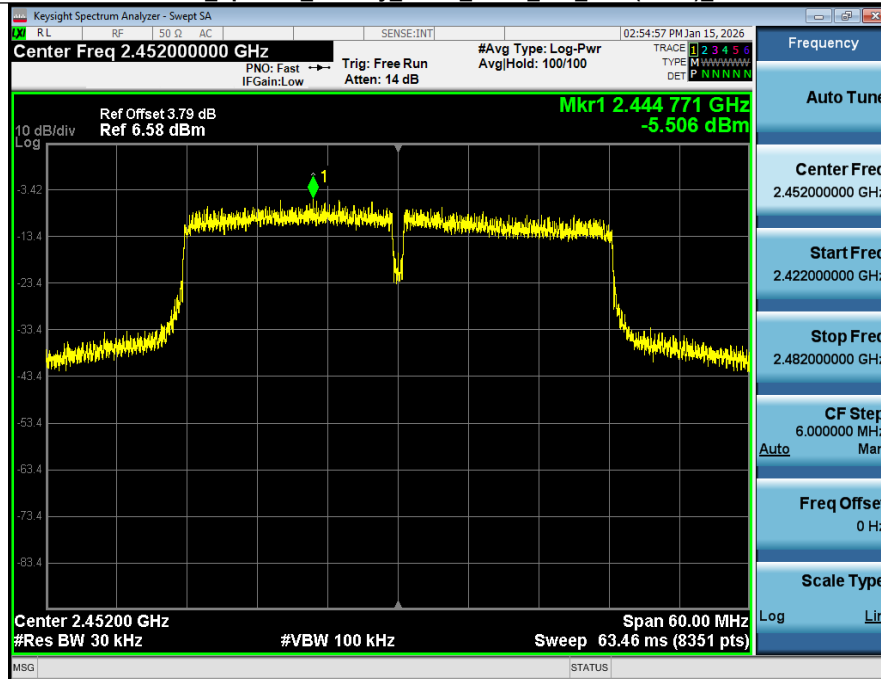
Power Spectral Density NVNT_ANT1_802_11ax(HE40)_2422



Power Spectral Density NVNT_ANT1_802_11ax(HE40)_2437

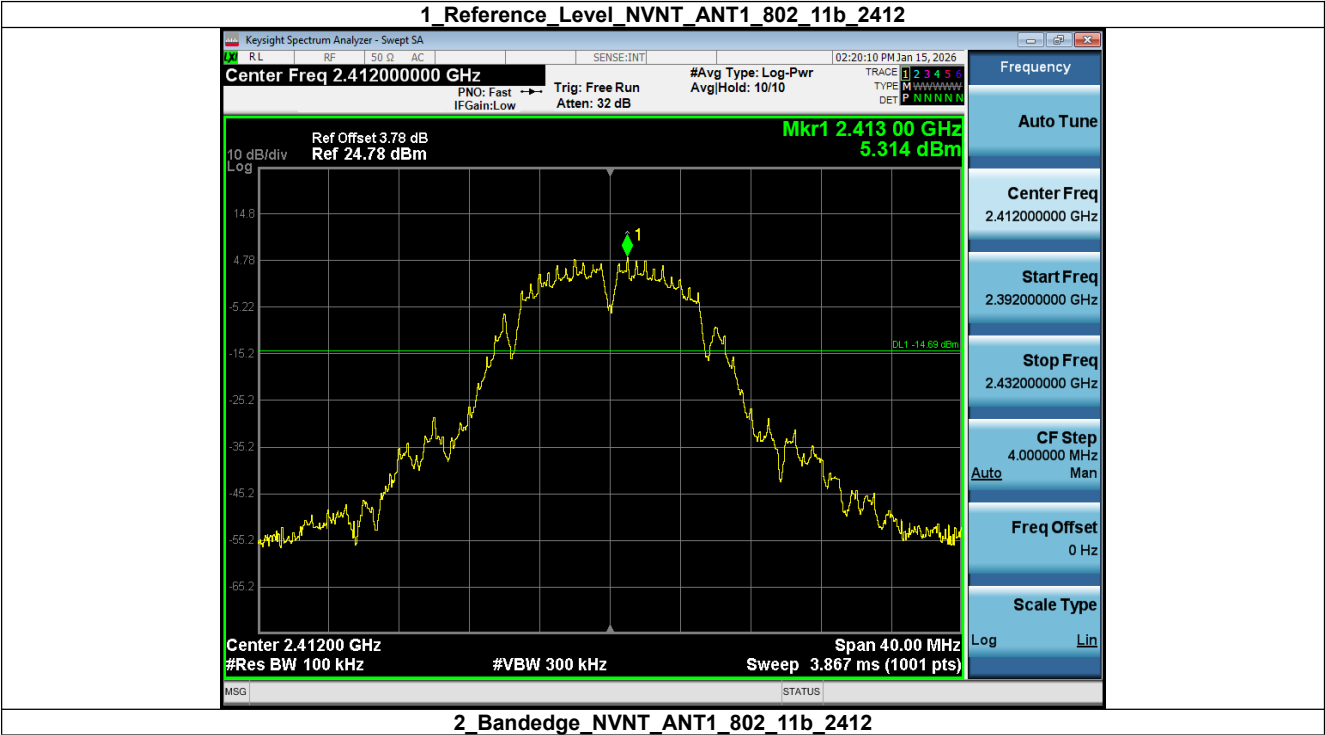


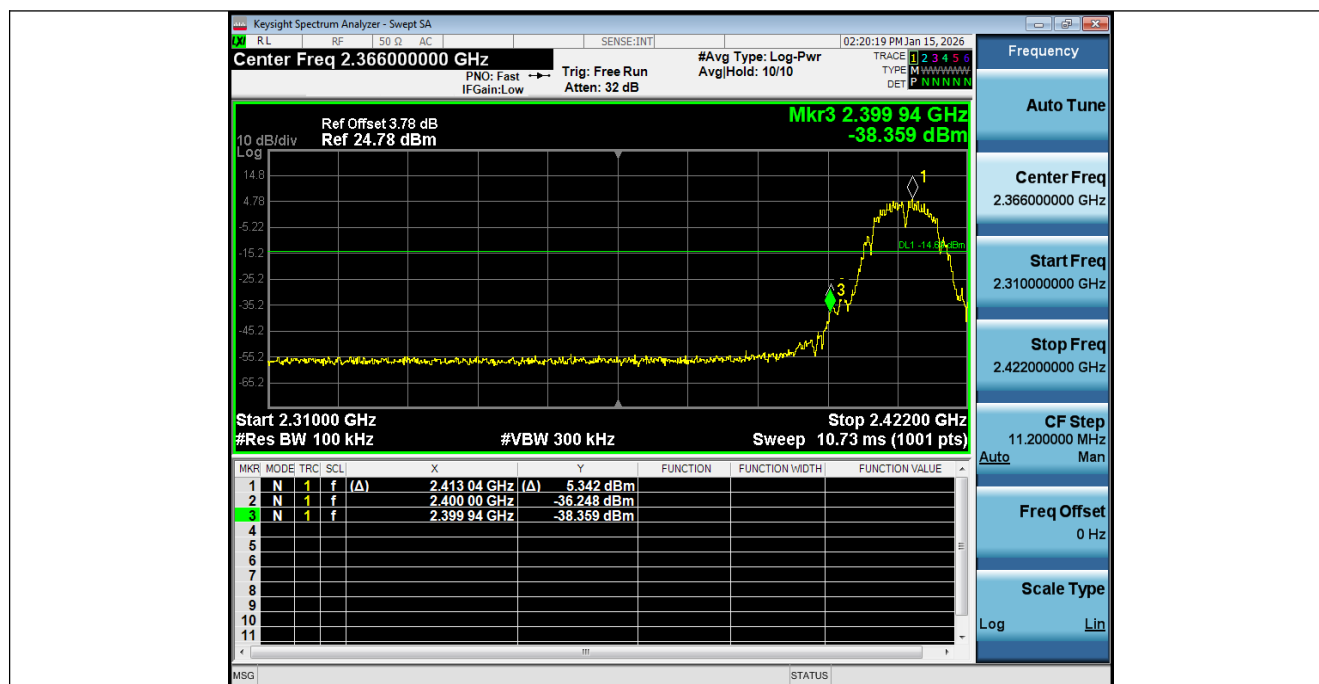
Power Spectral Density NVNT_ANT1_802_11ax(HE40)_2452



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	5.314	-38.359	-14.686	Pass
NVNT	ANT1	802.11b	2462.00	2483.920	6.176	-50.488	-13.824	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	1.312	-26.056	-18.688	Pass
NVNT	ANT1	802.11g	2462.00	2483.536	2.585	-37.668	-17.415	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2398.928	0.733	-28.467	-19.267	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.584	1.770	-36.023	-18.230	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	2399.824	0.731	-28.473	-19.269	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	2483.920	1.518	-37.762	-18.482	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.892	-1.300	-29.022	-21.300	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2483.680	-0.773	-34.460	-20.773	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	2399.628	-1.216	-29.529	-21.216	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2483.612	-0.798	-31.827	-20.798	Pass





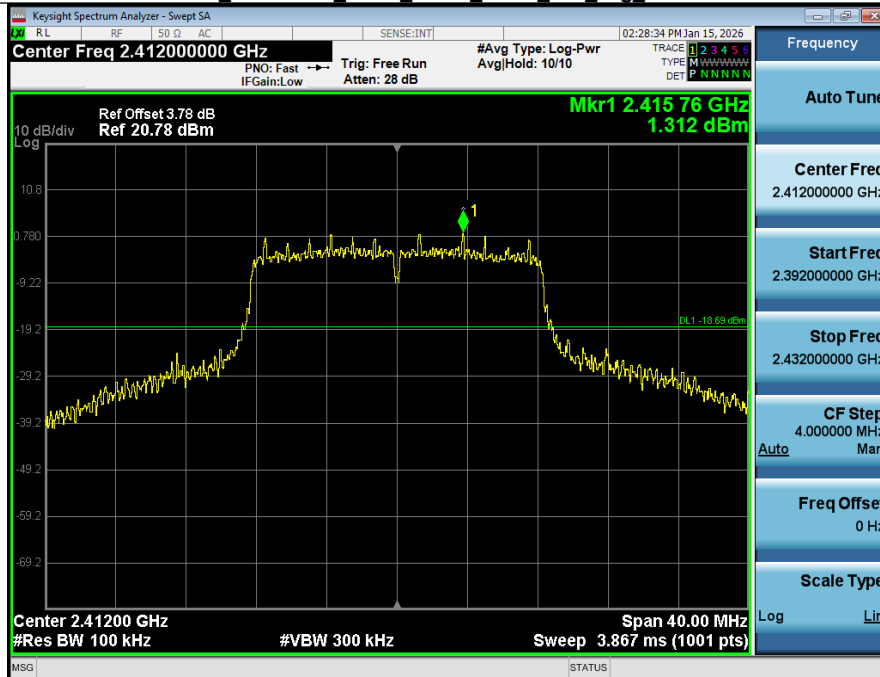
1 Reference Level NVNT_ANT1_802_11b_2462



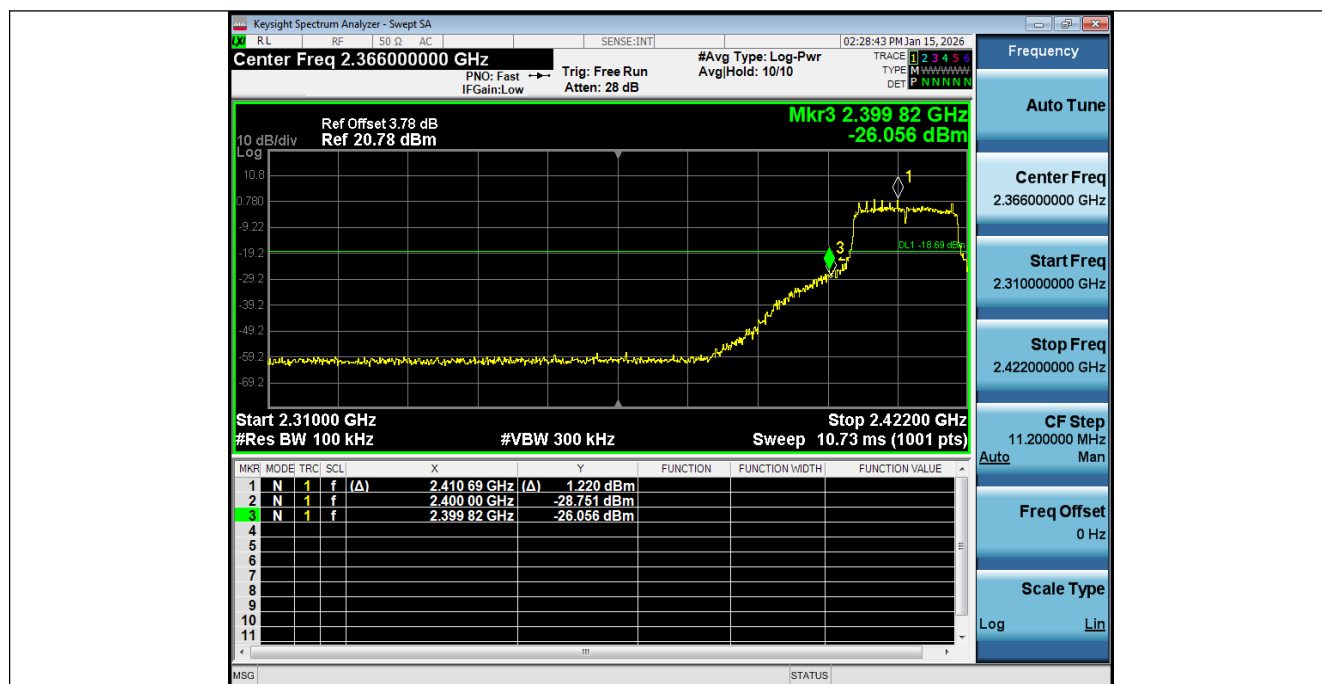
2_Bandedge_NVNT_ANT1_802_11b_2462



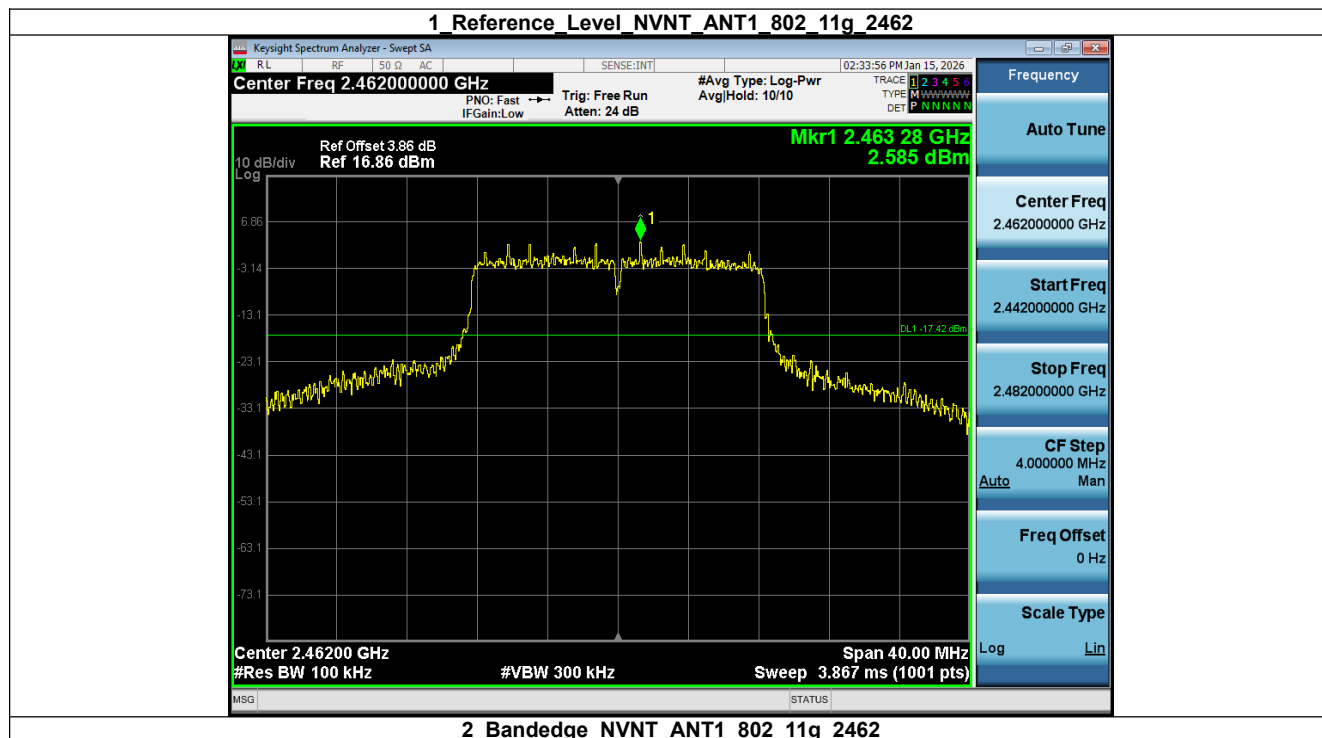
1 Reference Level NVNT_ANT1_802_11g_2412



2_Bandedge_NVNT_ANT1_802_11g_2412



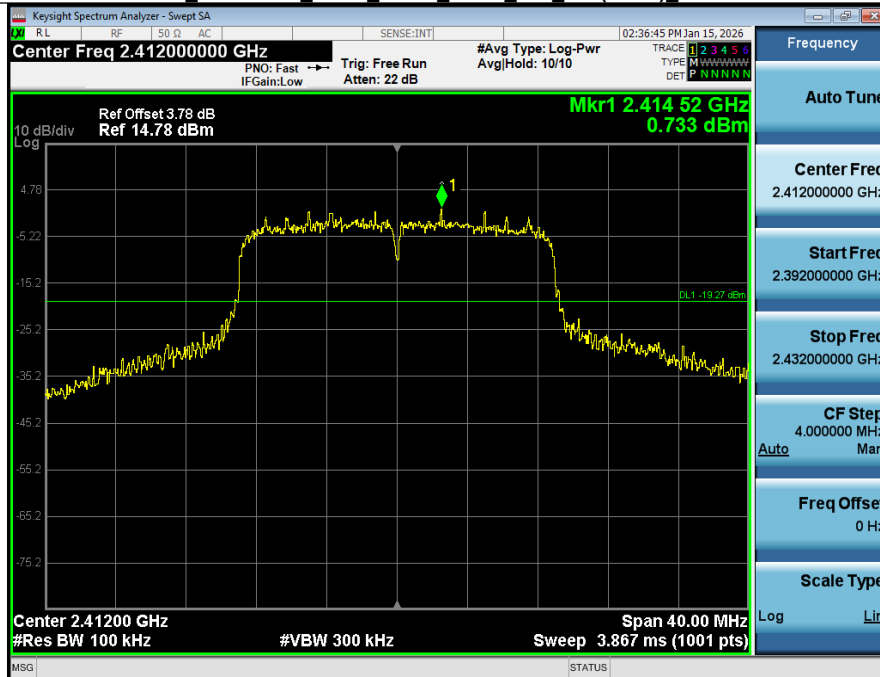
1 Reference Level NVNT_ANT1_802_11g_2462



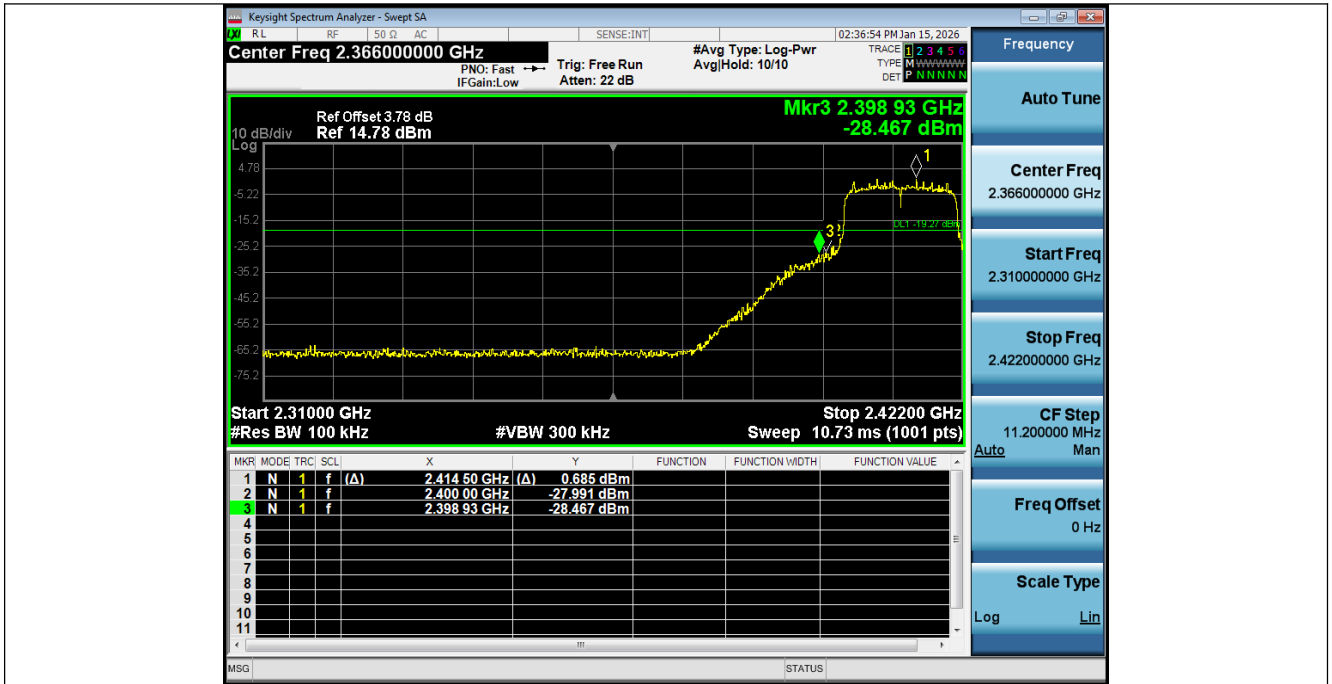
2_Bandedge_NVNT_ANT1_802_11g_2462



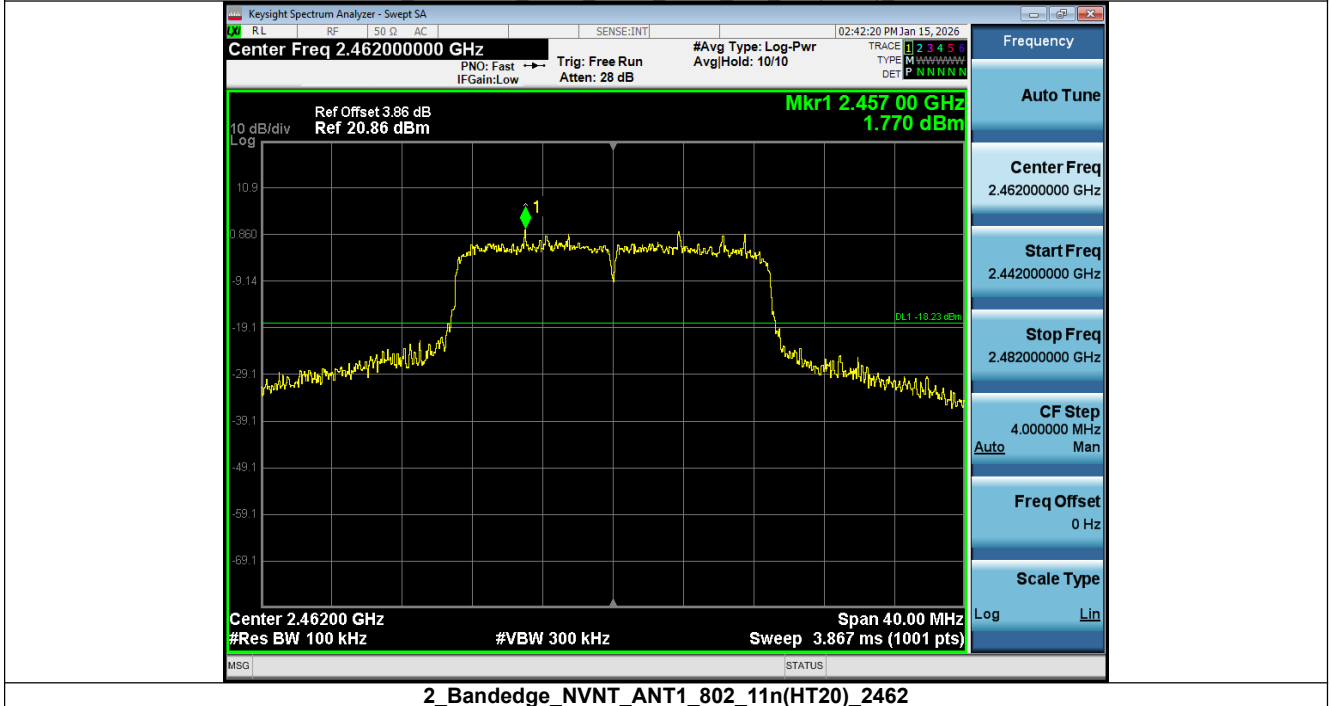
1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



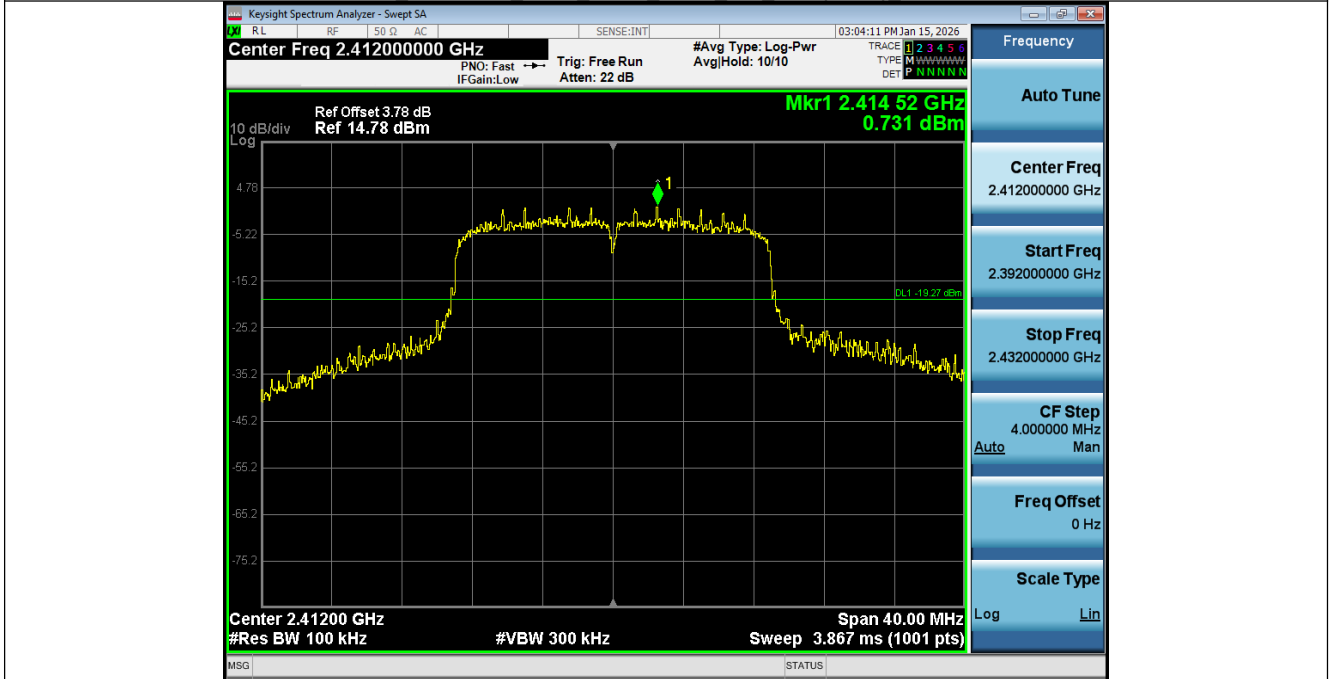
1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



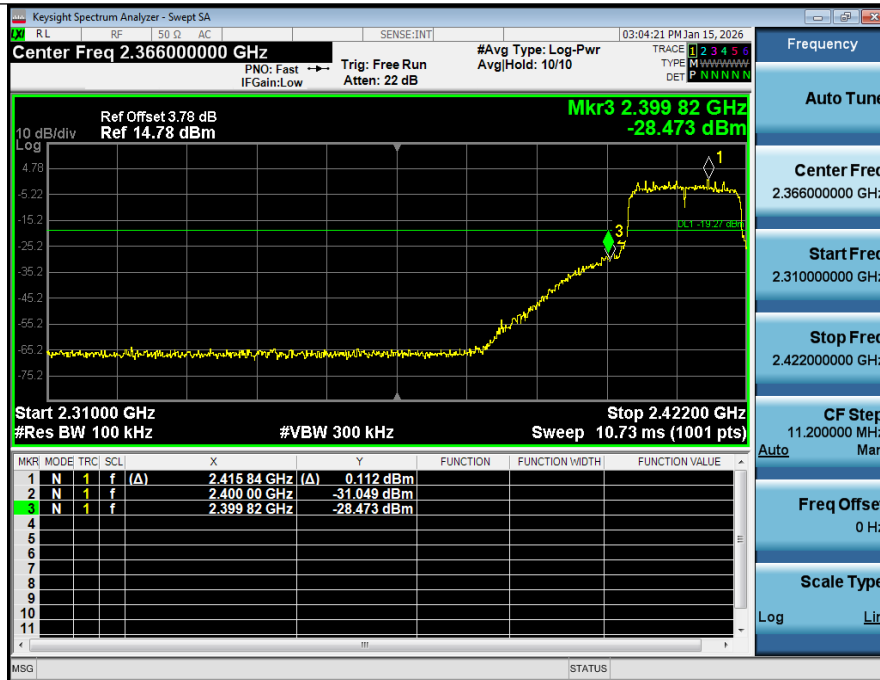
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2412



2_Bandedge_NVNT_ANT1_802_11ax(HE20)_2412



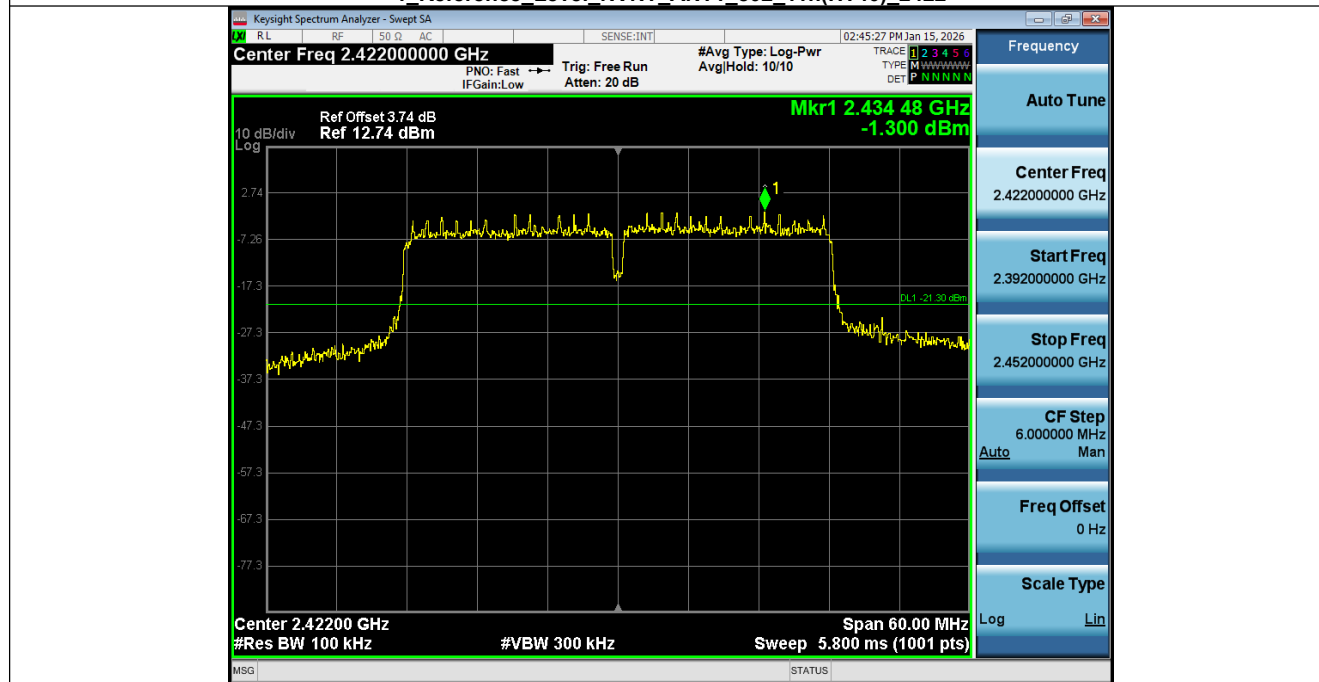
1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2462



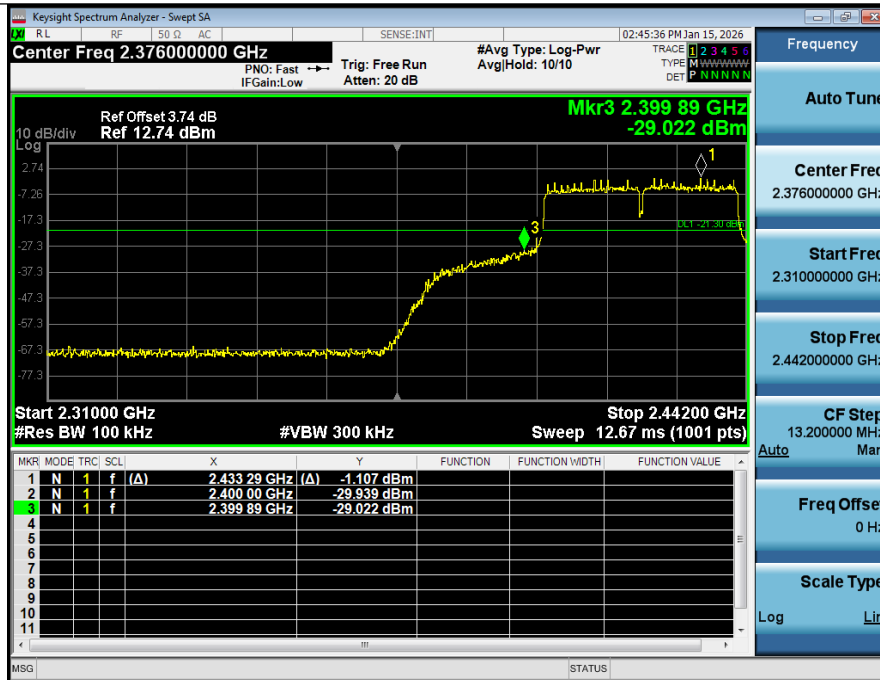
2_Bandedge_NVNT_ANT1_802_11ax(HE20)_2462



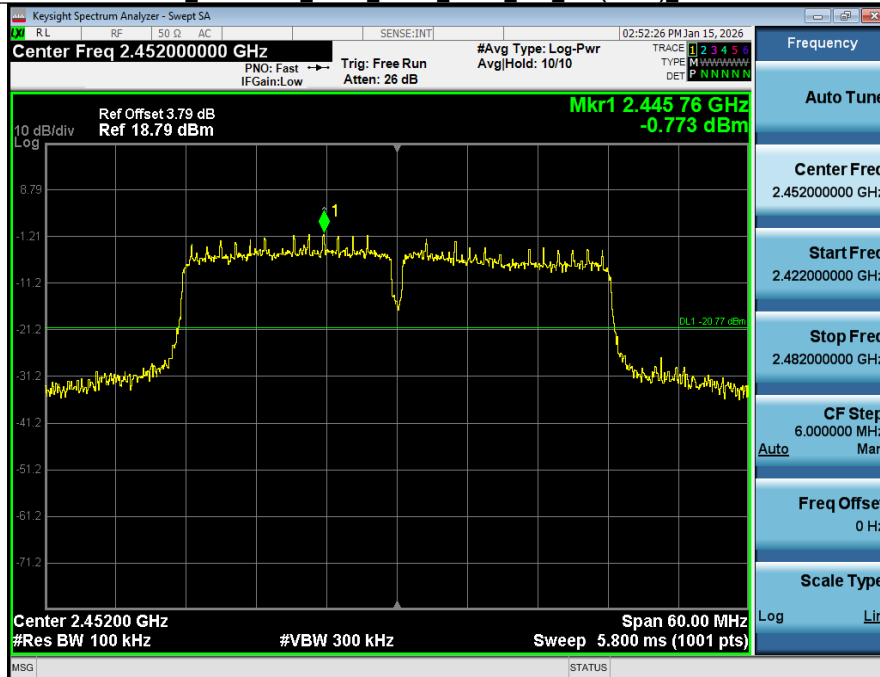
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



2_Bandedge_NVNT_ANT1_802_11n(HT40)_2422



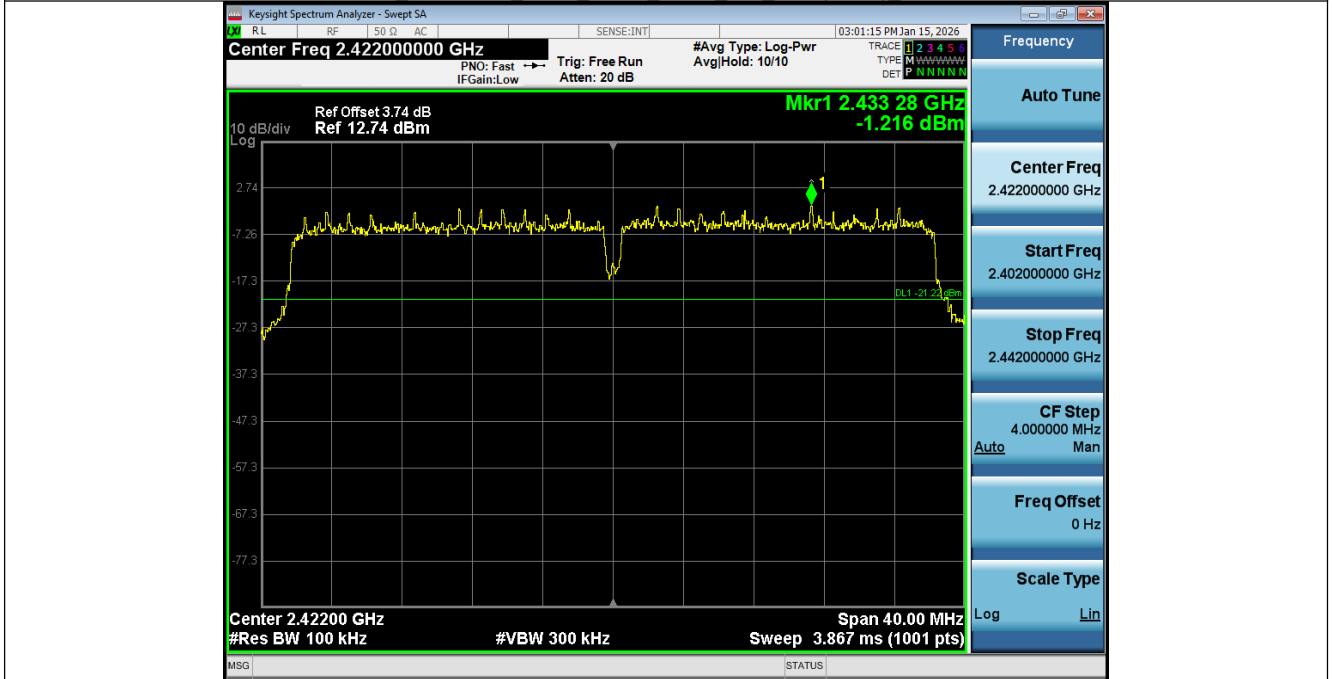
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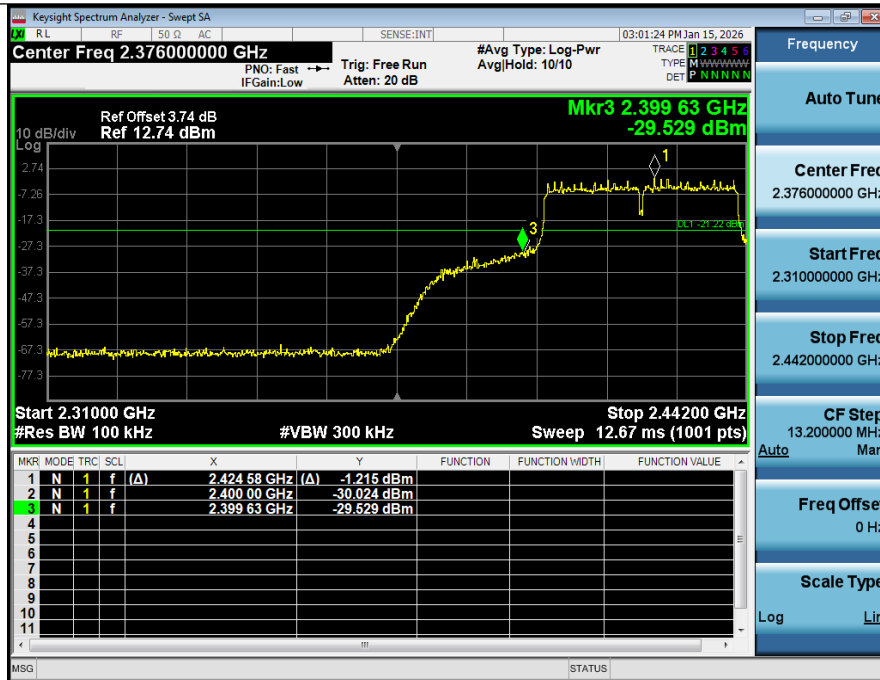
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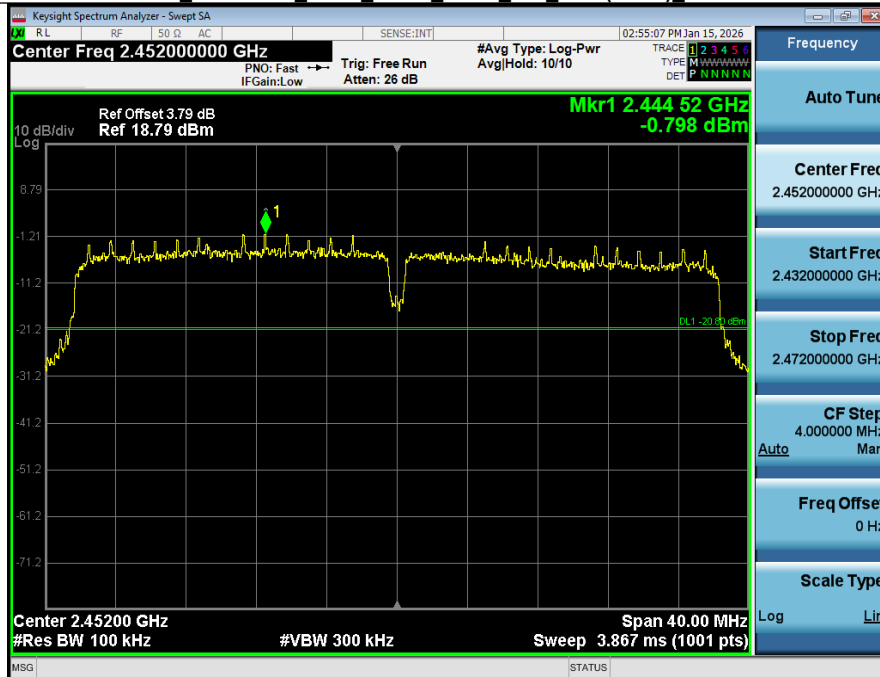
1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2422



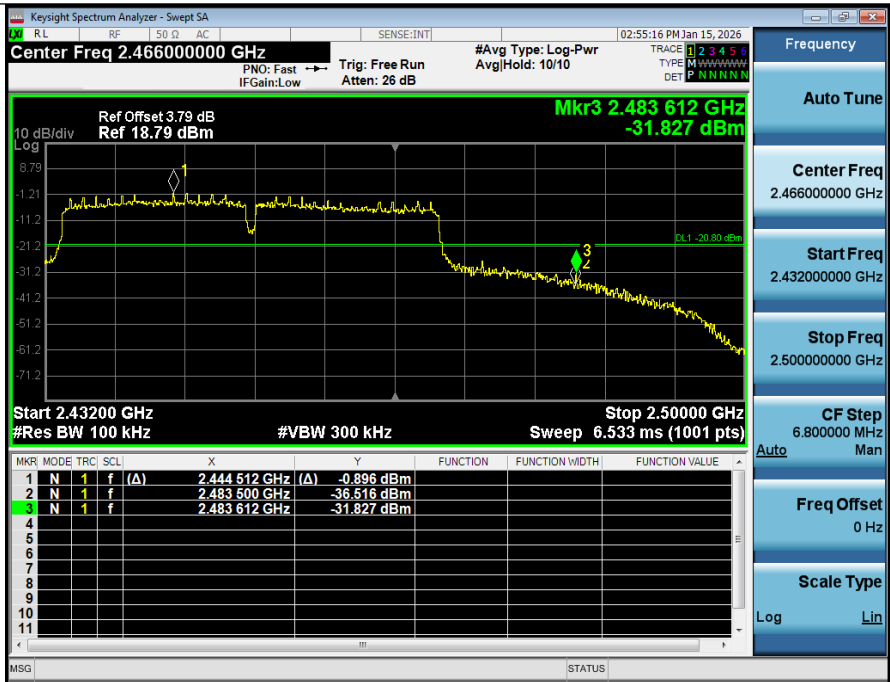
2_Bandedge_NVNT_ANT1_802_11ax(HE40)_2422



1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2452



2_Bandedge_NVNT_ANT1_802_11ax(HE40)_2452



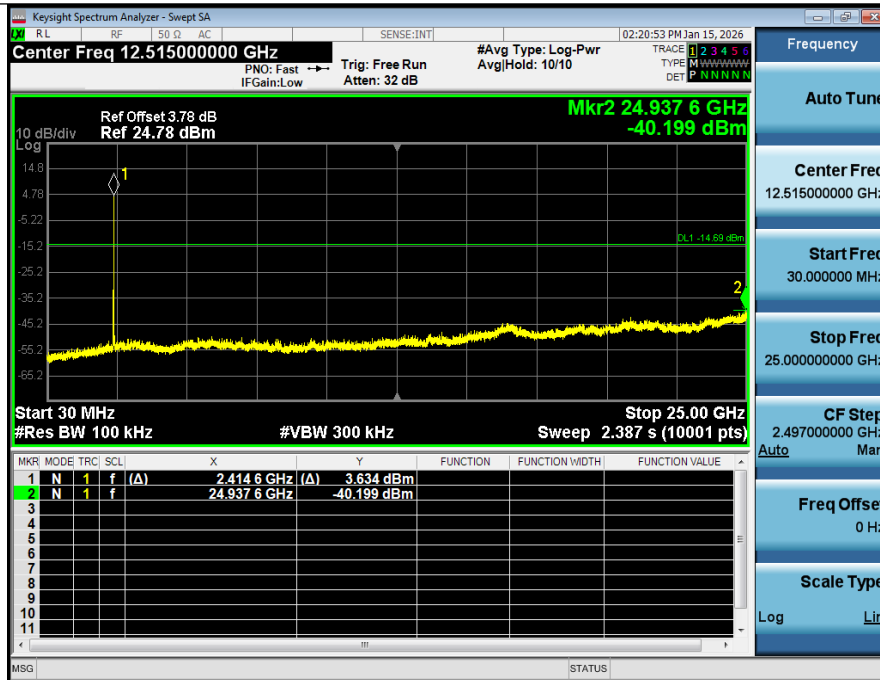
6. Spurious Emission

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	24937.575	5.314	-40.199	-14.686	Pass
NVNT	ANT1	802.11b	2437.00	24902.617	6.100	-44.832	-13.900	Pass
NVNT	ANT1	802.11b	2462.00	25000.000	6.176	-40.618	-13.824	Pass
NVNT	ANT1	802.11g	2412.00	24111.068	1.312	-44.023	-18.688	Pass
NVNT	ANT1	802.11g	2437.00	24975.030	2.992	-42.152	-17.008	Pass
NVNT	ANT1	802.11g	2462.00	24967.539	2.585	-48.027	-17.415	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24737.815	0.733	-49.549	-19.267	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24345.786	2.018	-46.897	-17.982	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24960.048	1.770	-43.375	-18.230	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	24987.515	0.731	-49.841	-19.269	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	24970.036	2.231	-44.628	-17.769	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	24910.108	1.518	-43.775	-18.482	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24997.503	-1.300	-52.589	-21.300	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24997.503	-0.520	-45.869	-20.520	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24917.599	-0.773	-46.003	-20.773	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	24193.469	-1.216	-52.781	-21.216	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	24987.515	-0.796	-45.540	-20.796	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	25000.000	-0.798	-45.967	-20.798	Pass

1 Reference_Level_NVNT_ANT1_802_11b_2412



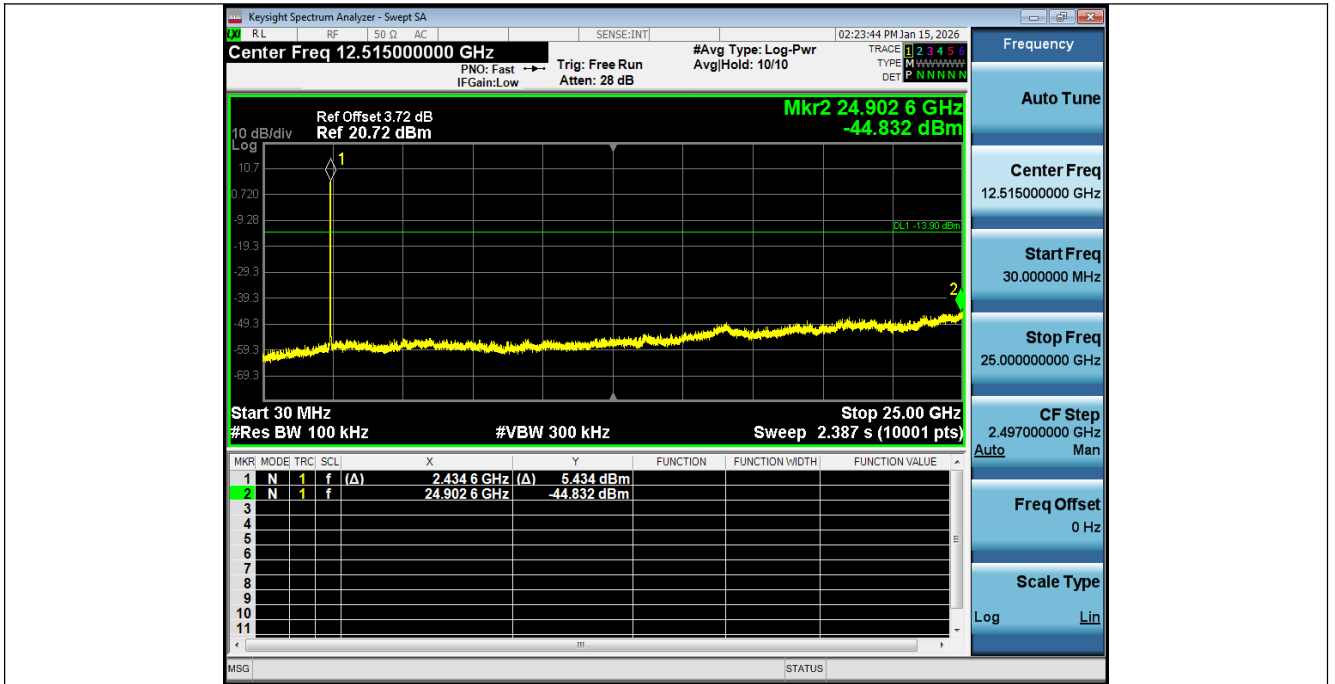
2 Spurious_Emission_NVNT_ANT1_802_11b_2412



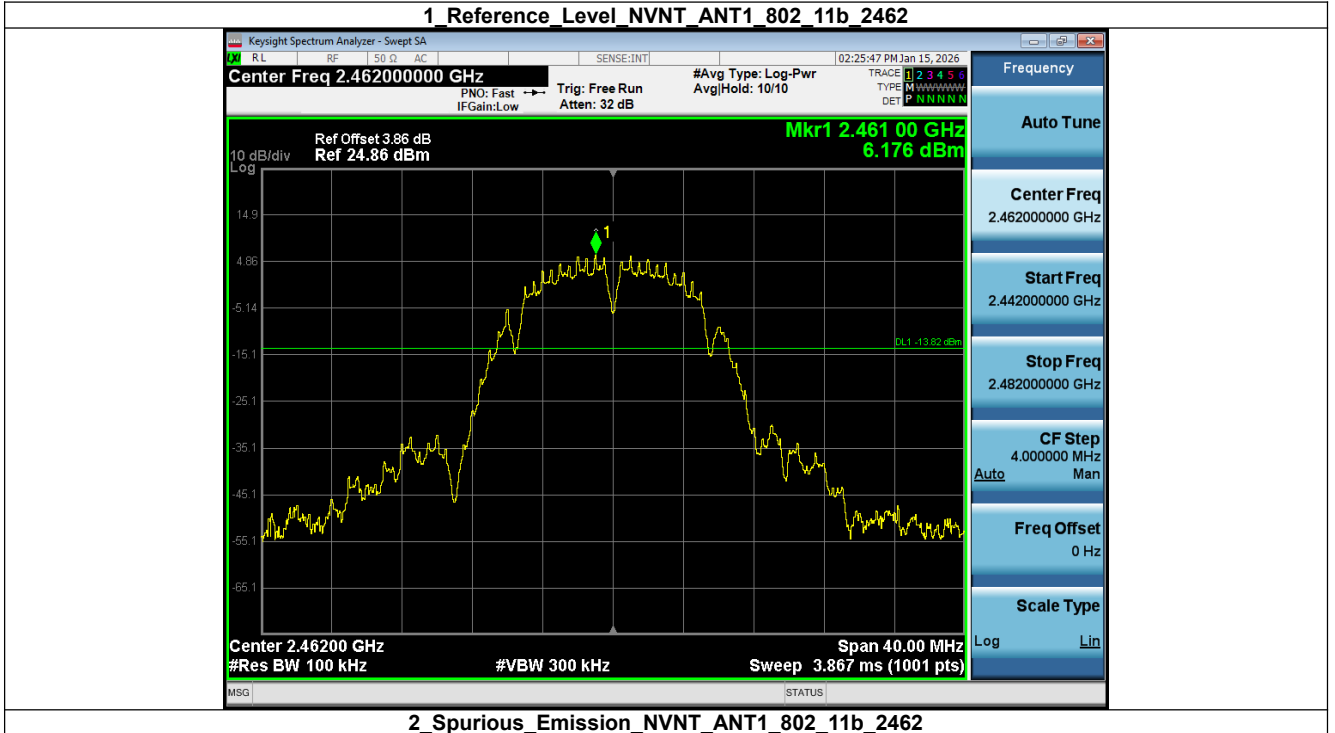
1 Reference Level NVNT_ANT1_802_11b_2437



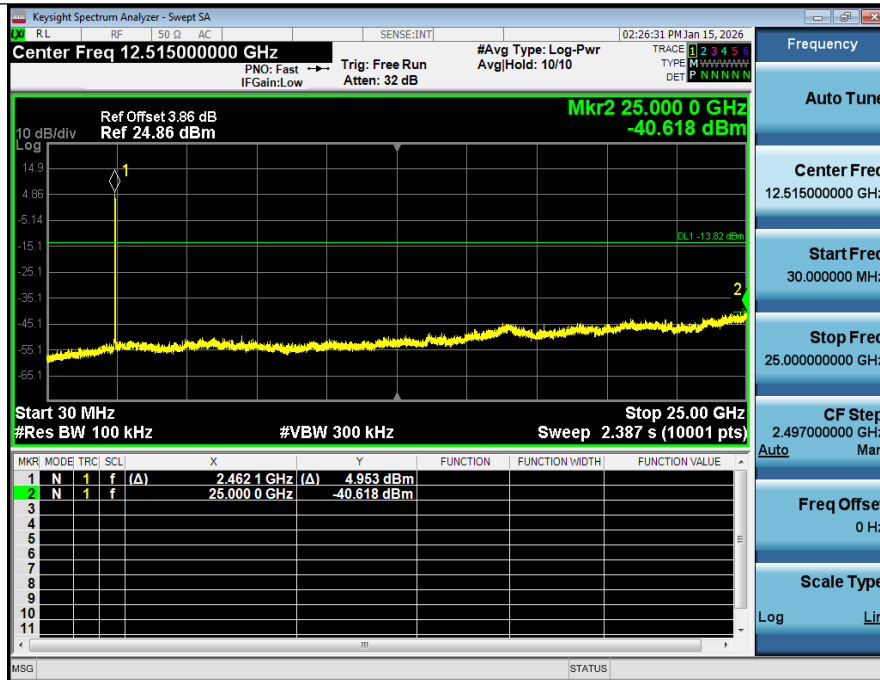
2 Spurious Emission_NVNT_ANT1_802_11b_2437



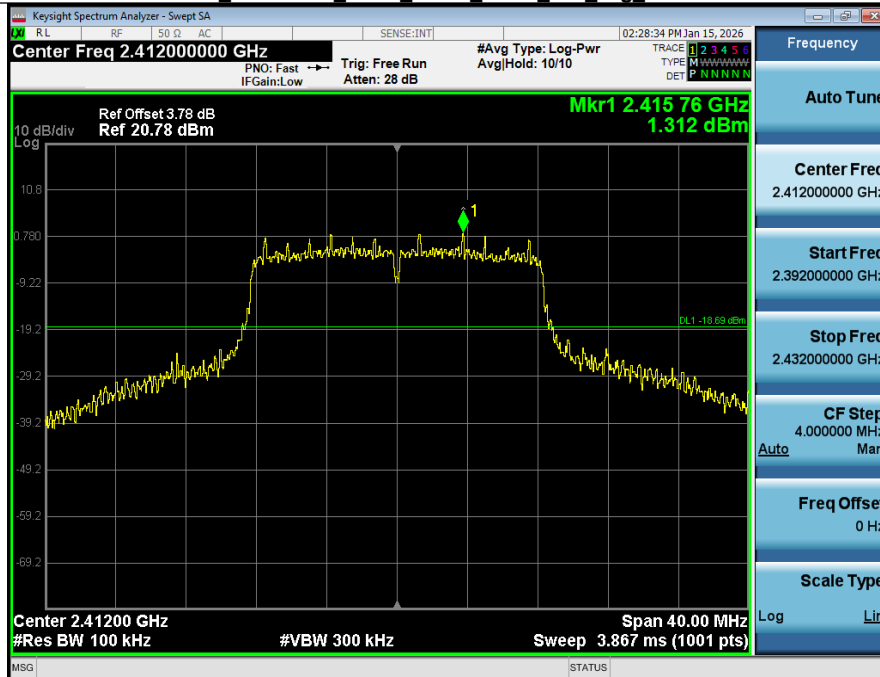
1 Reference Level NVNT_ANT1_802_11b_2462



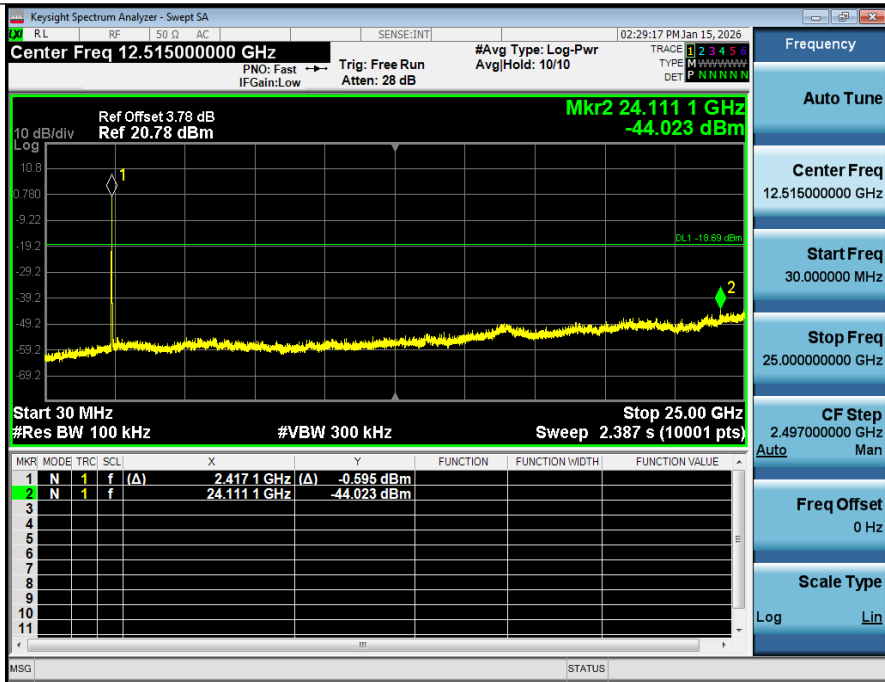
2 Spurious Emission_NVNT_ANT1_802_11b_2462



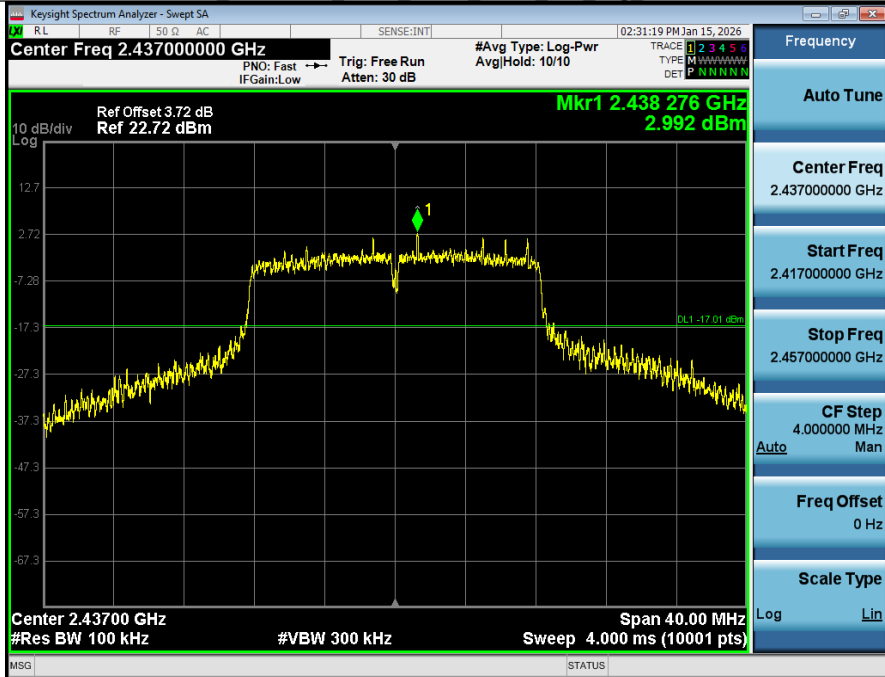
1 Reference Level NVNT_ANT1_802_11g_2412



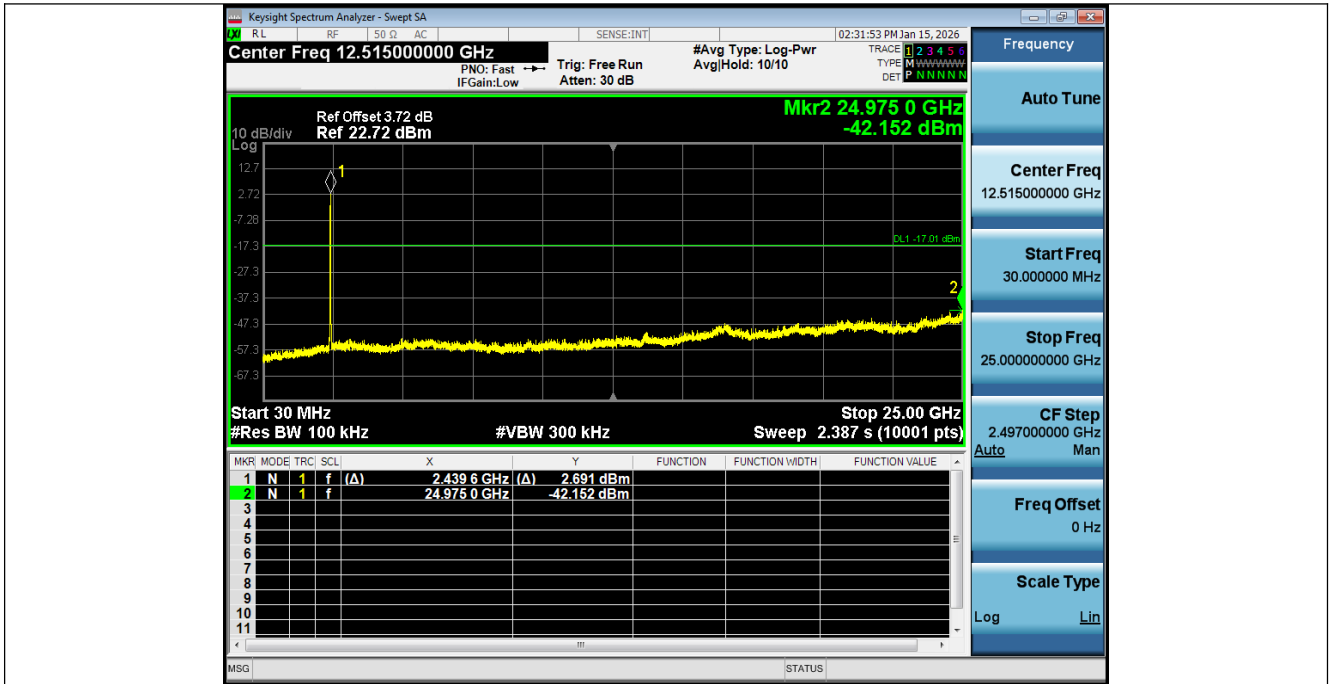
2 Spurious Emission NVNT_ANT1_802_11g_2412



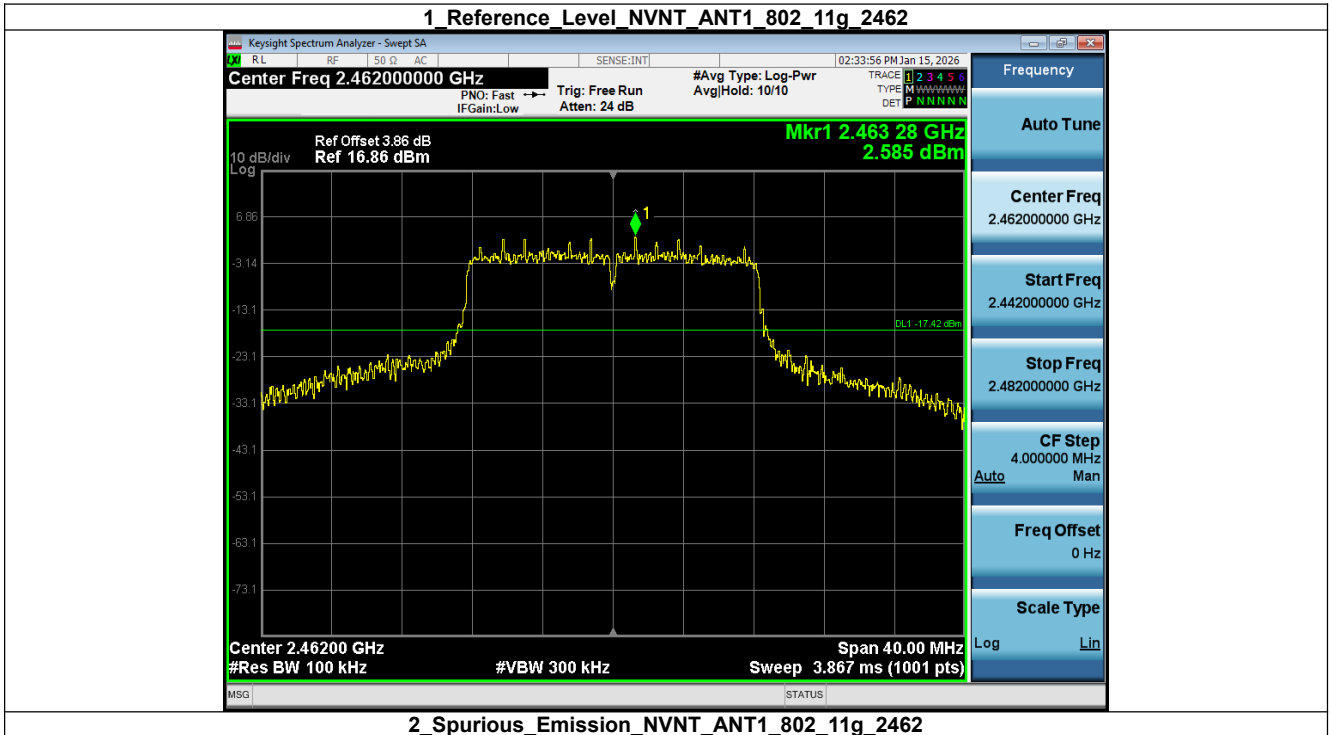
1 Reference Level NVNT_ANT1_802_11g_2437



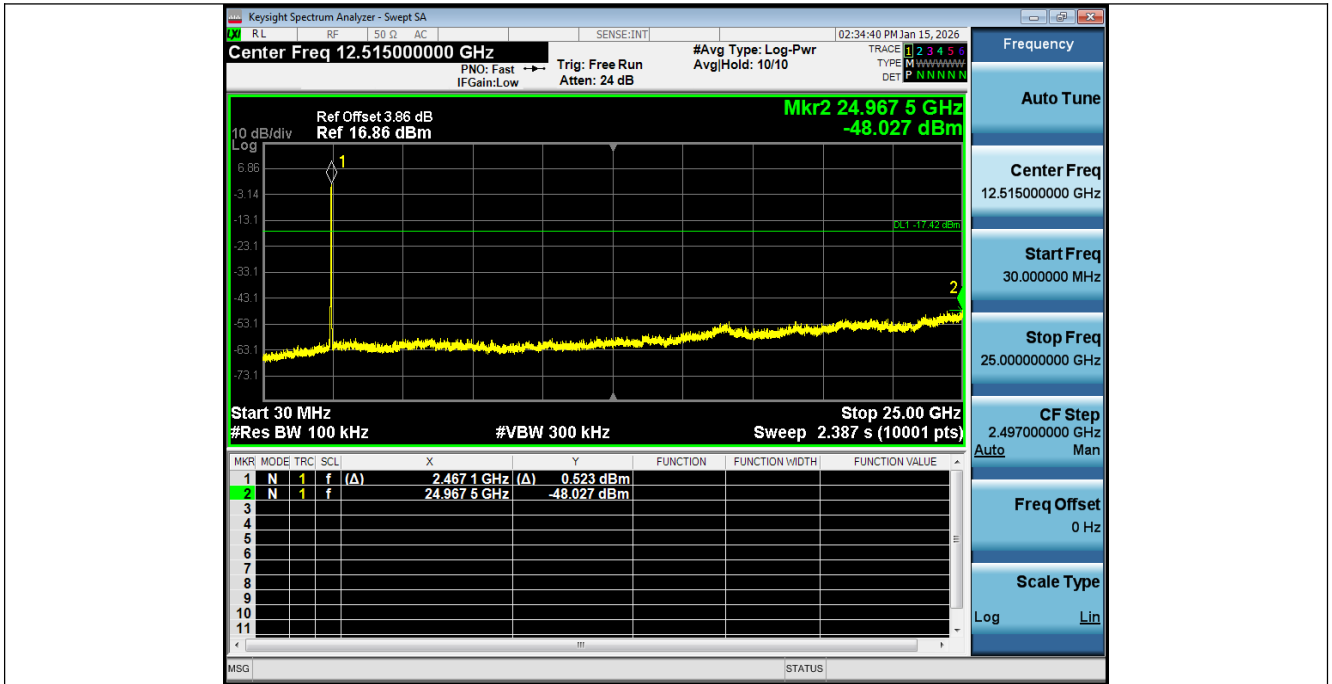
2 Spurious Emission NVNT_ANT1_802_11g_2437



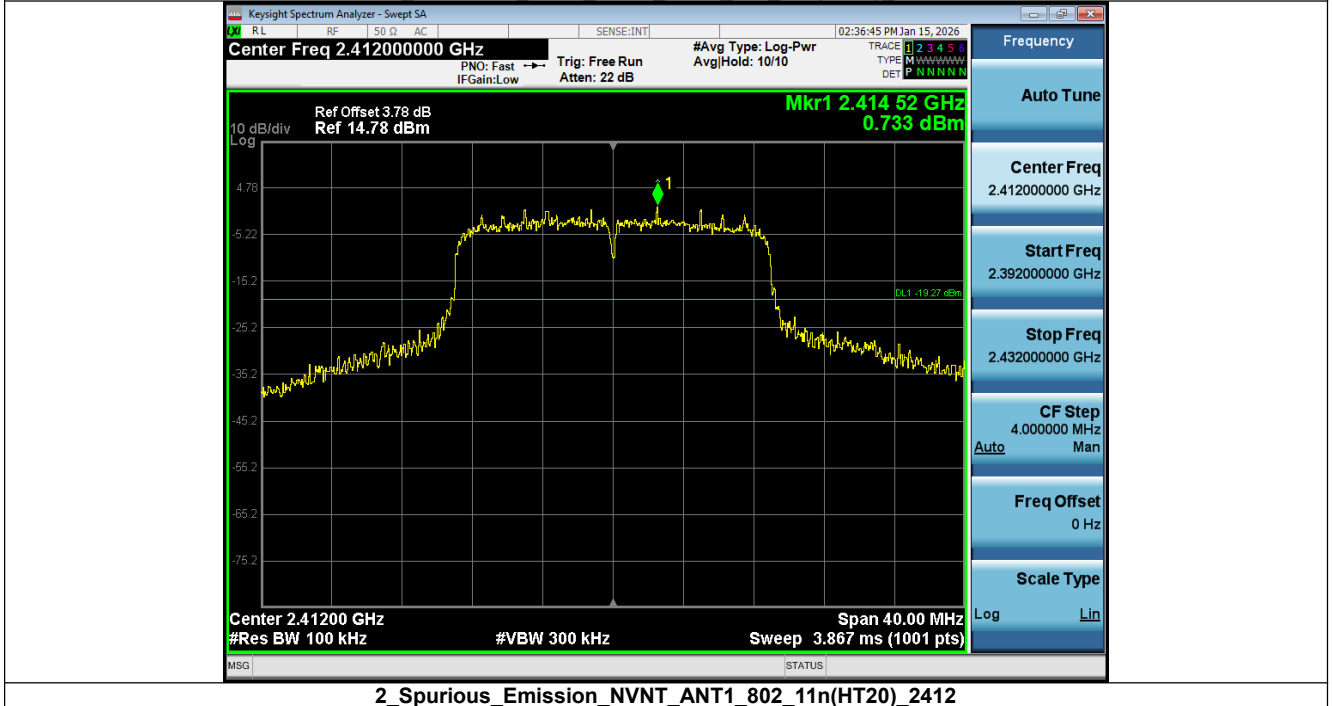
1 Reference Level NVNT_ANT1_802_11g_2462



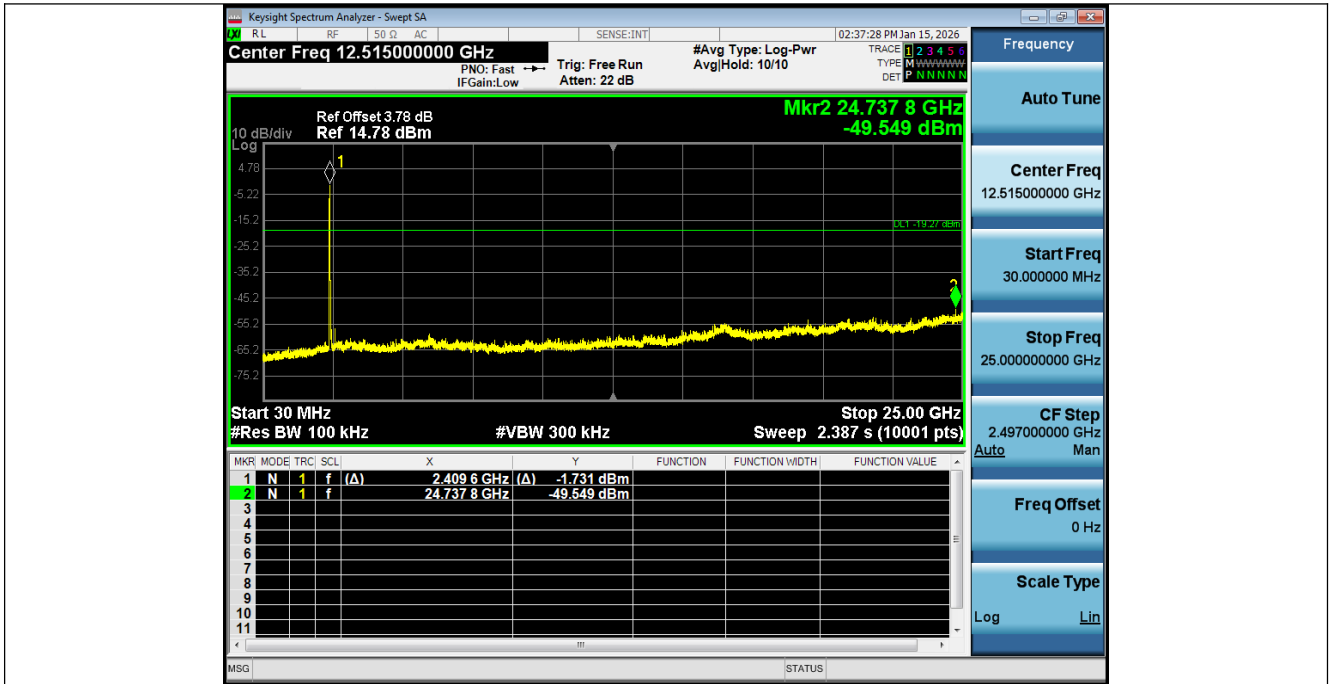
2 Spurious Emission NVNT_ANT1_802_11g_2462



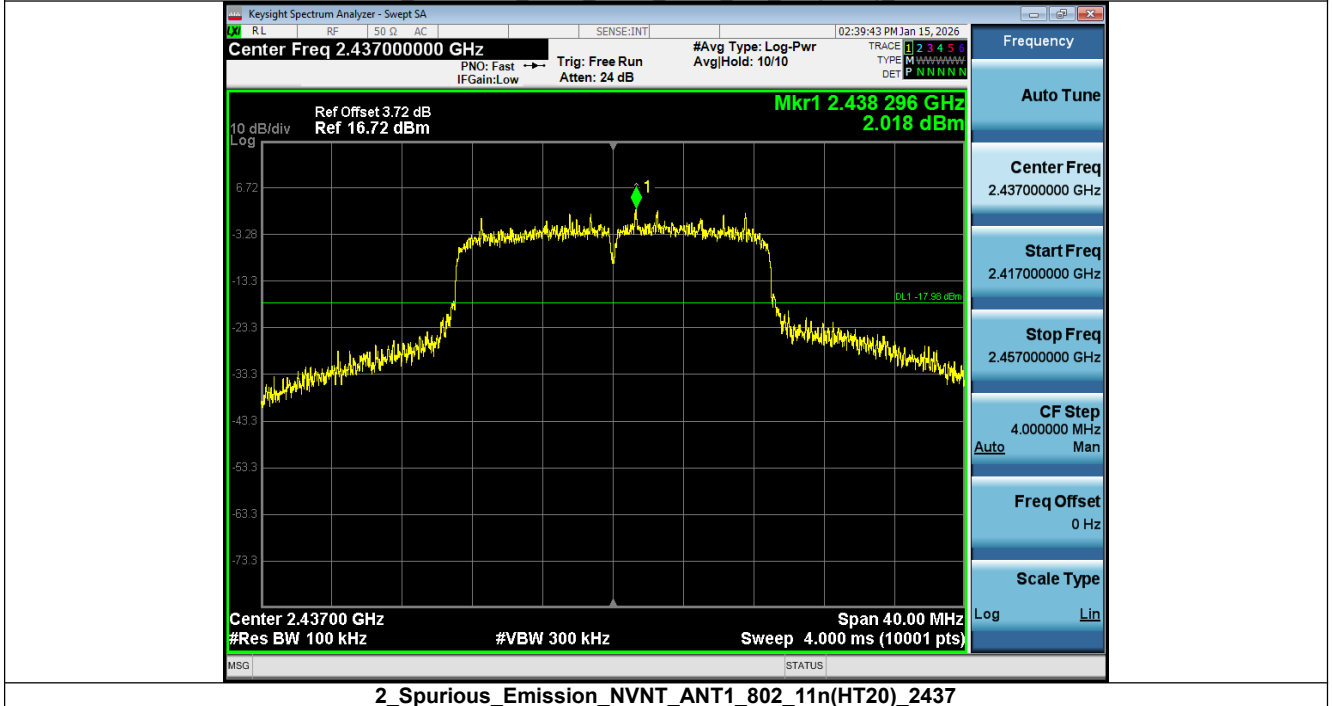
1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



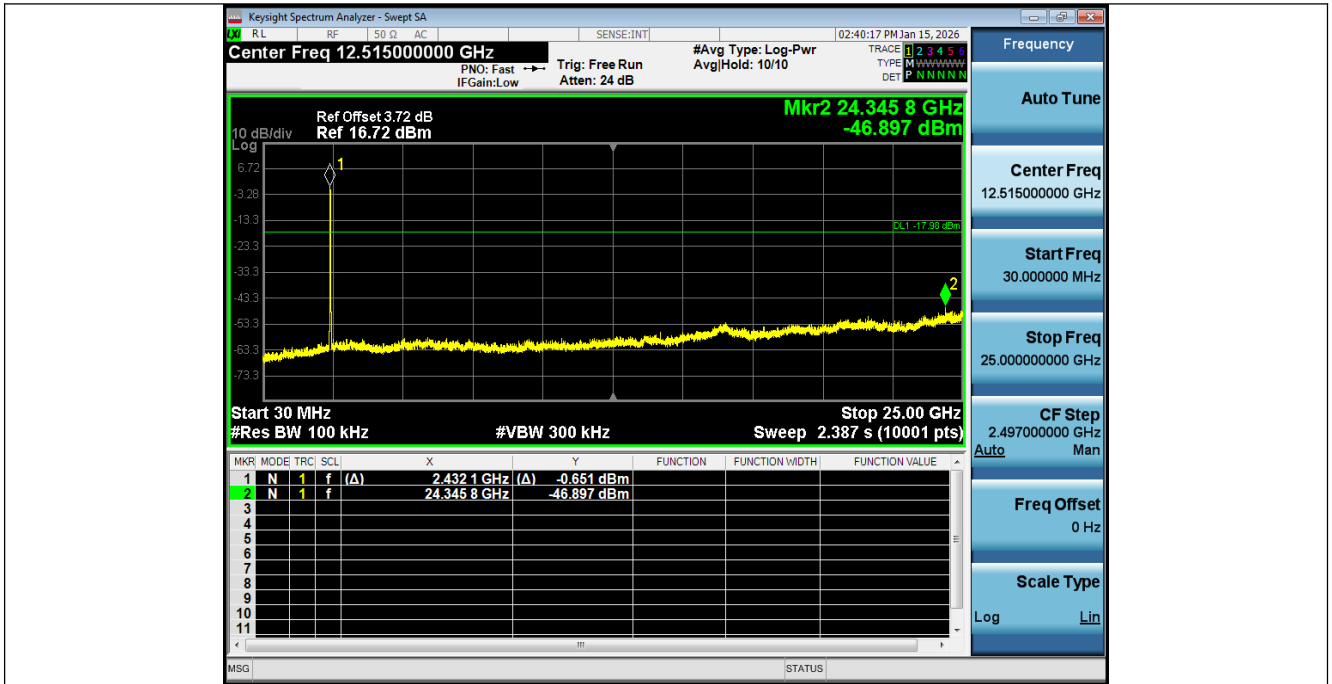
2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2412



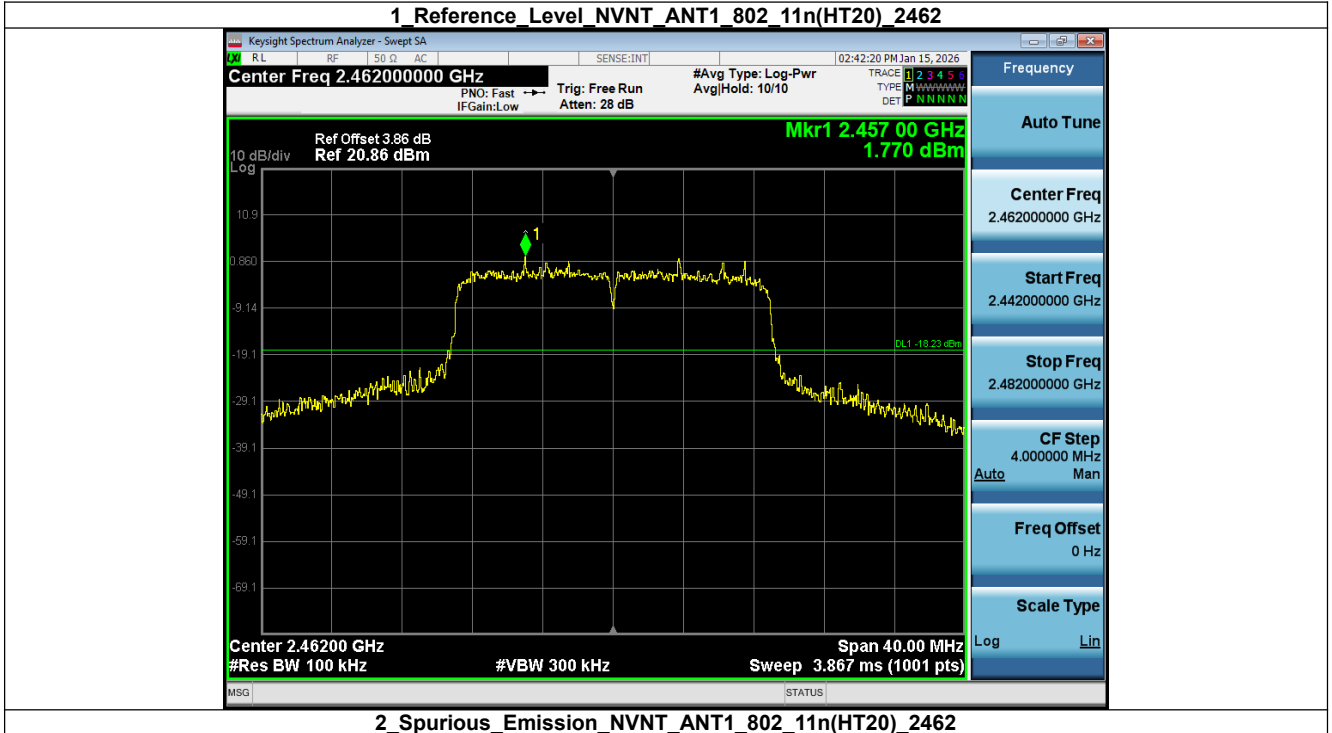
1 Reference Level NVNT_ANT1_802_11n(HT20)_2437

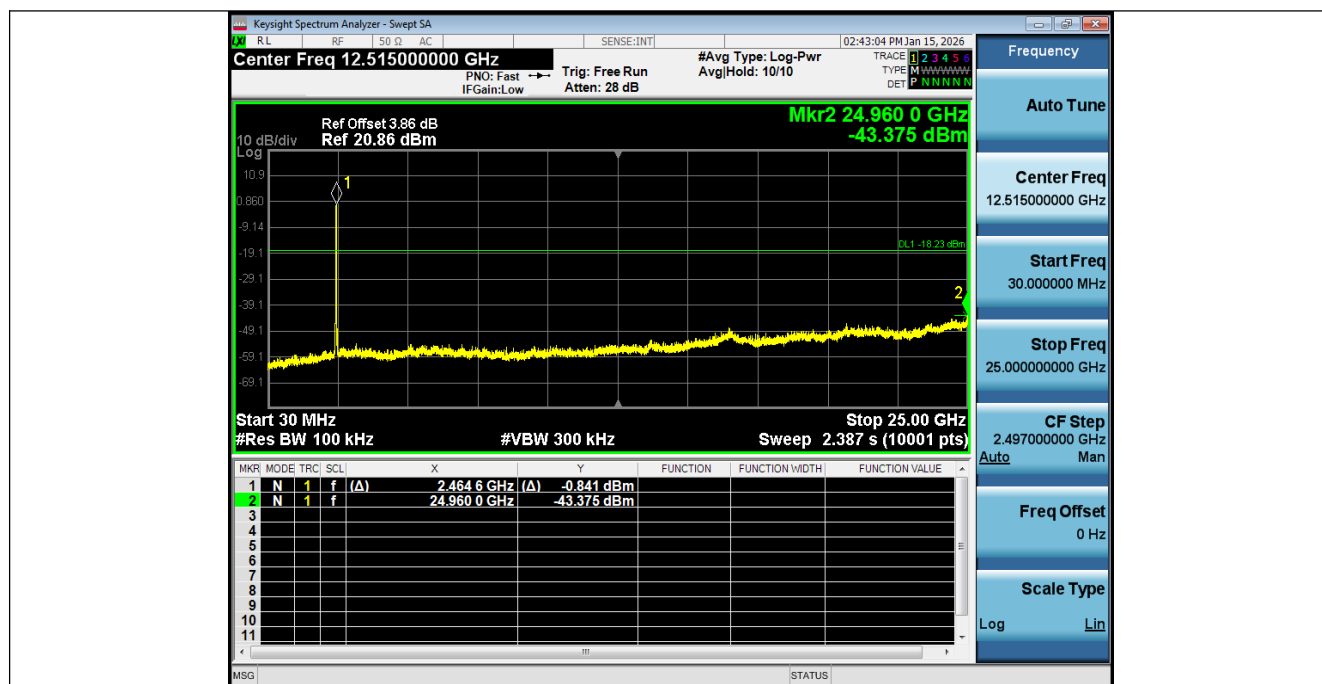


2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2437

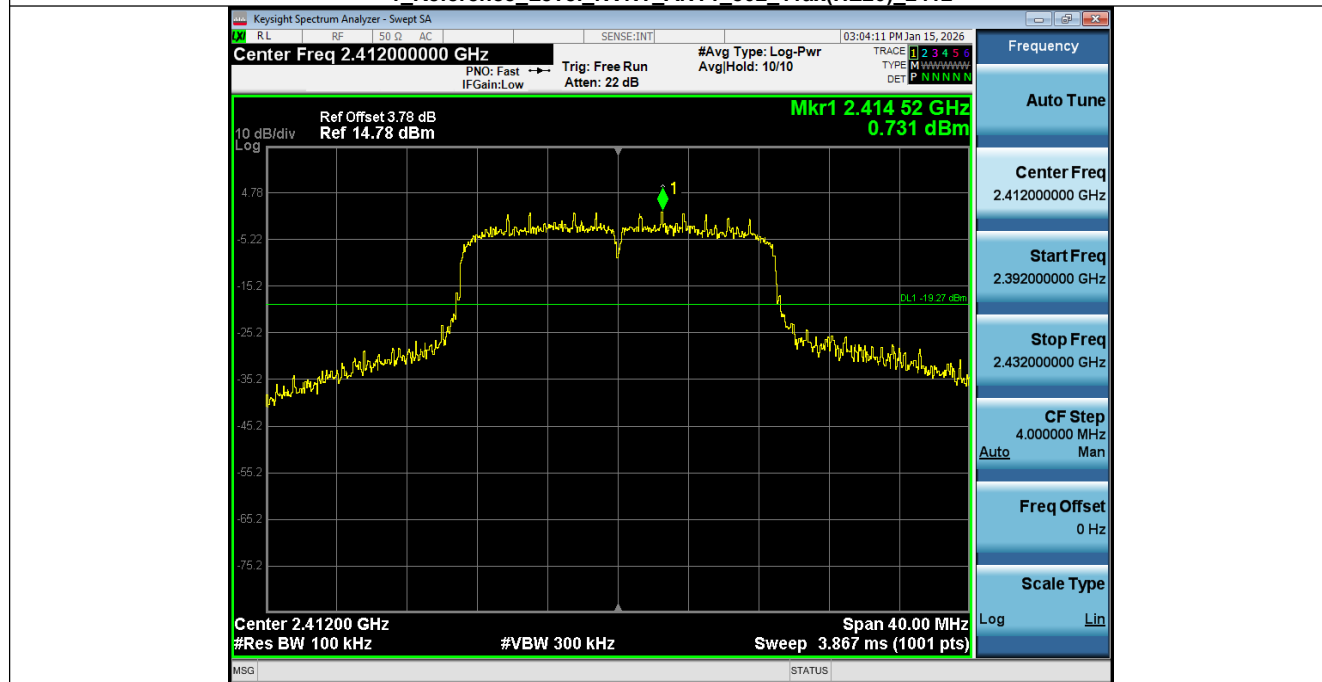


1 Reference Level NVNT_ANT1_802_11n(HT20)_2462

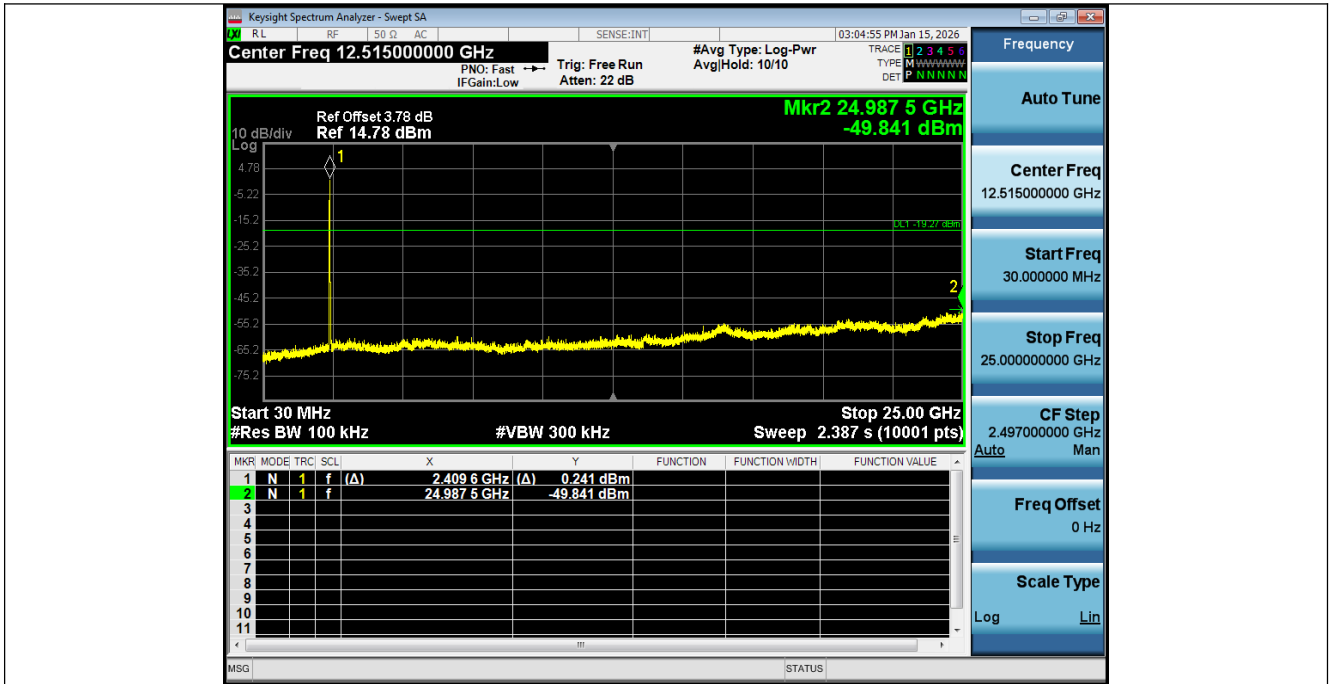




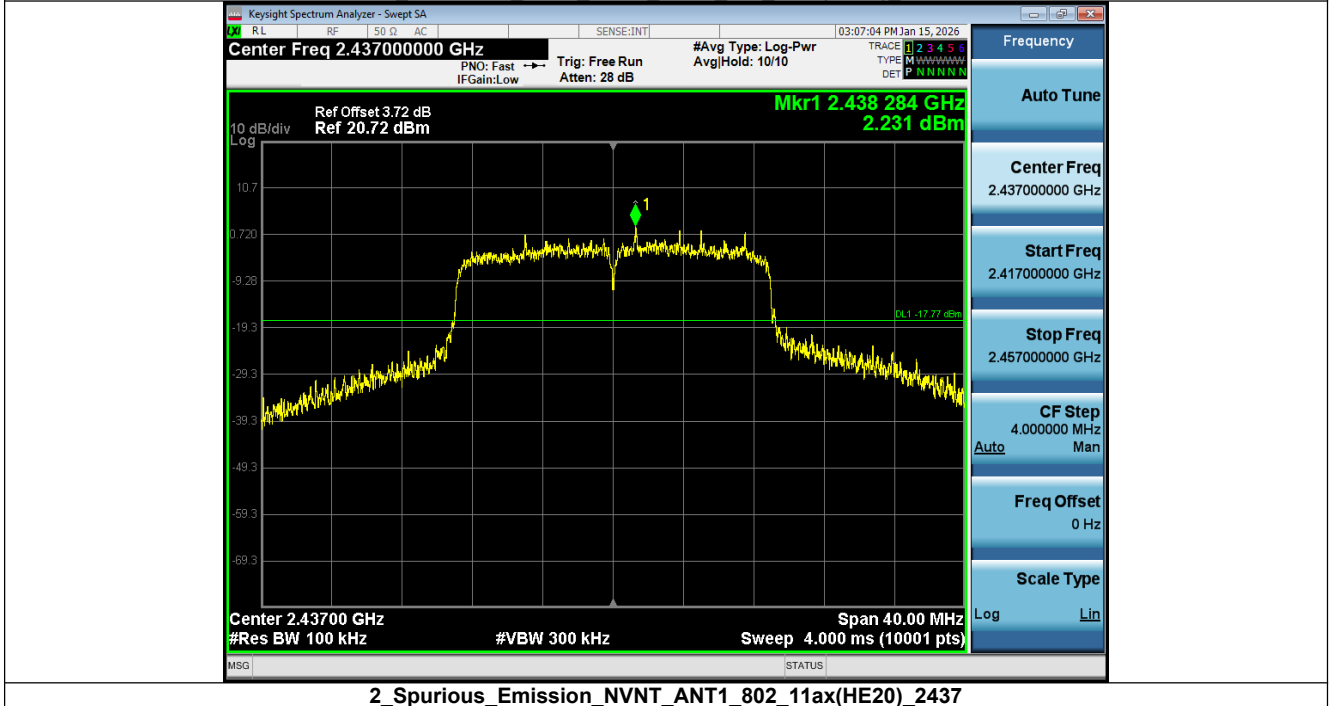
1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2412



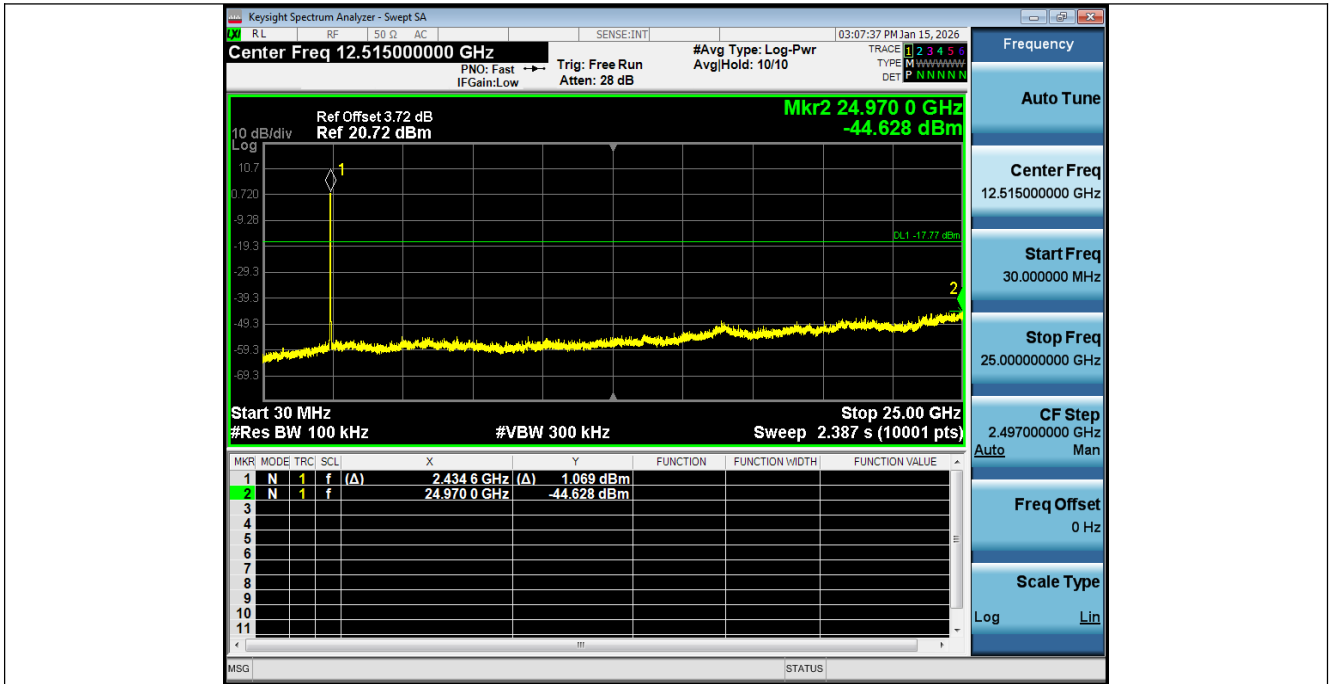
2_Spurious_Emission_NVNT_ANT1_802_11ax(HE20)_2412



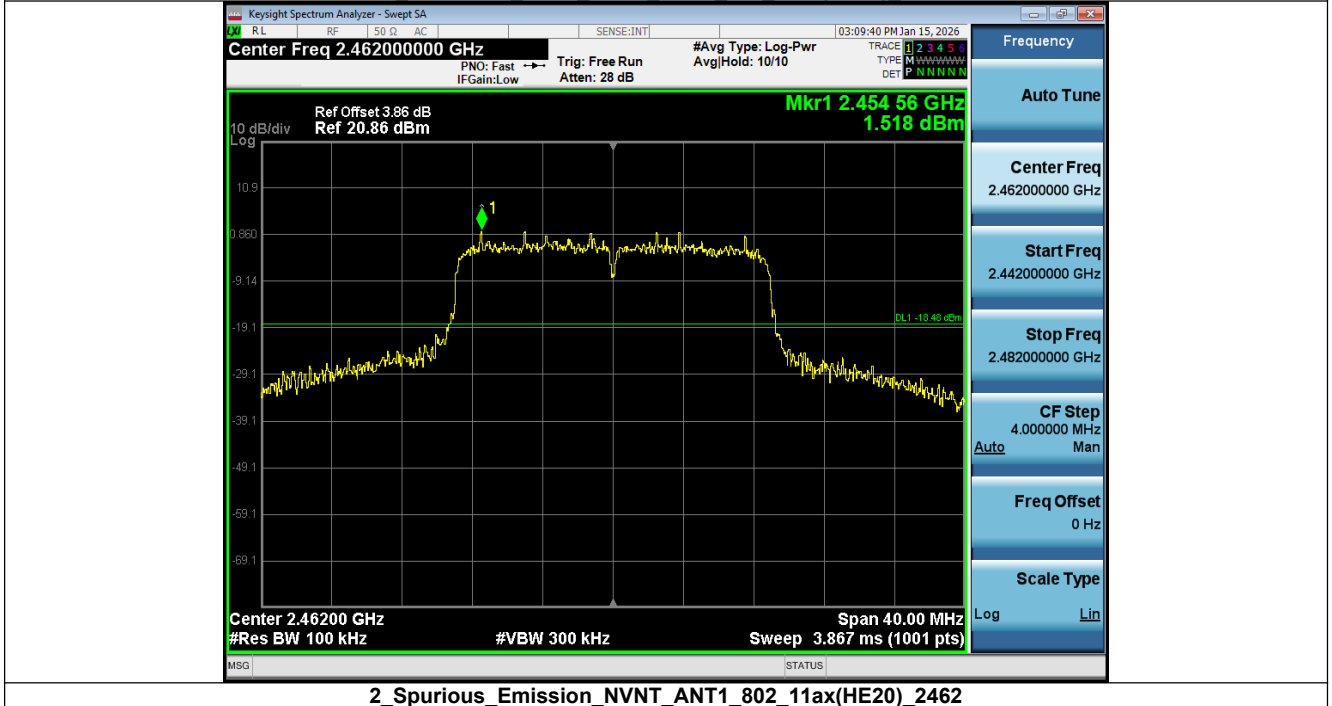
1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2437

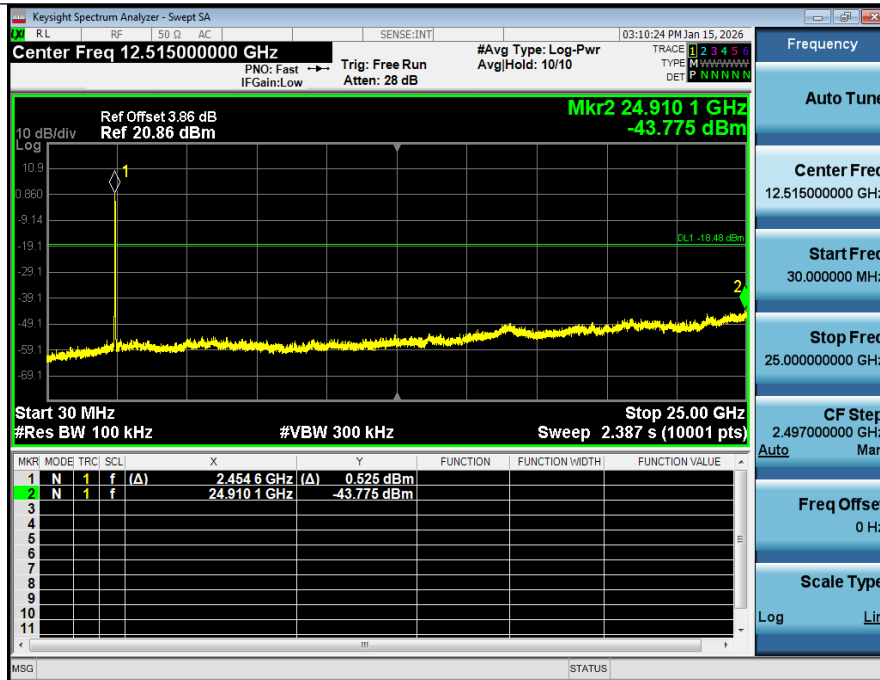


2_Spurious_Emission_NVNT_ANT1_802_11ax(HE20)_2437

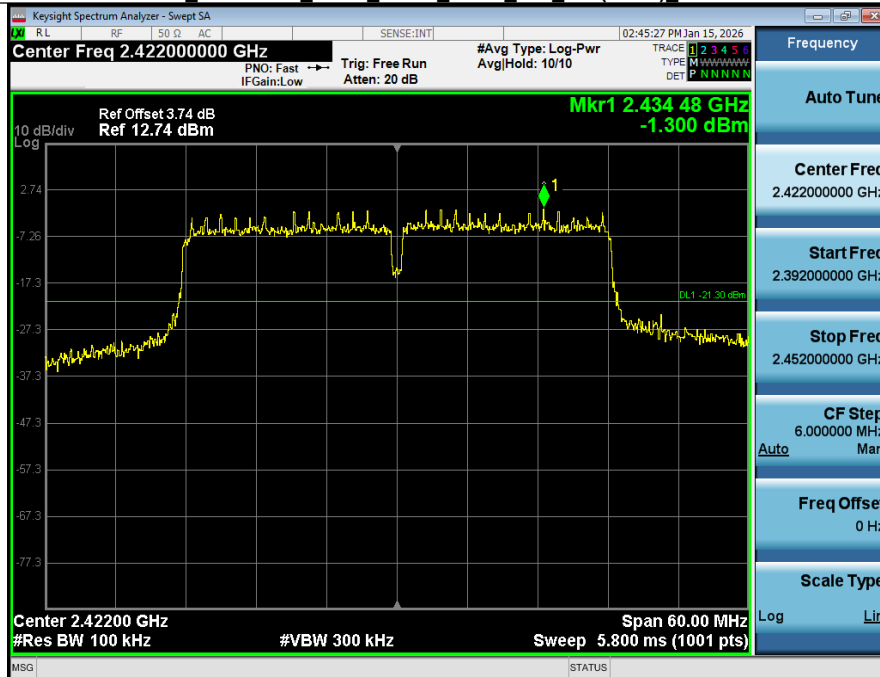


1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2462

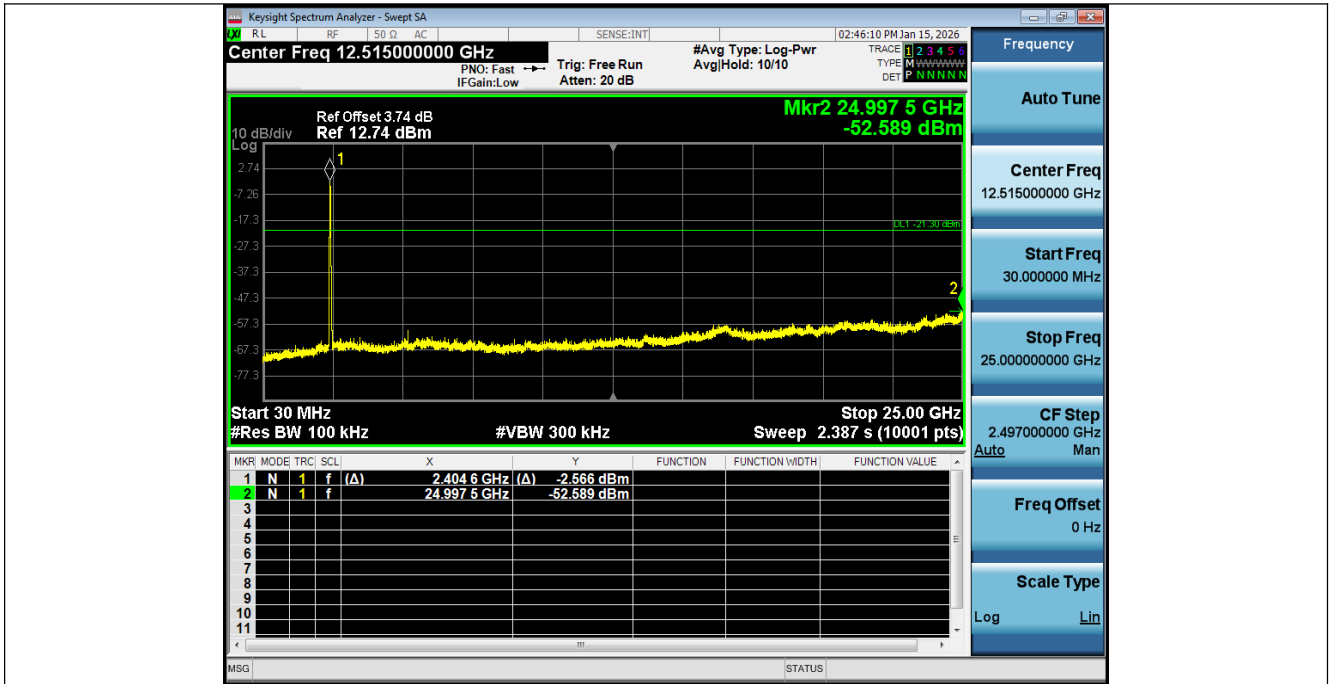




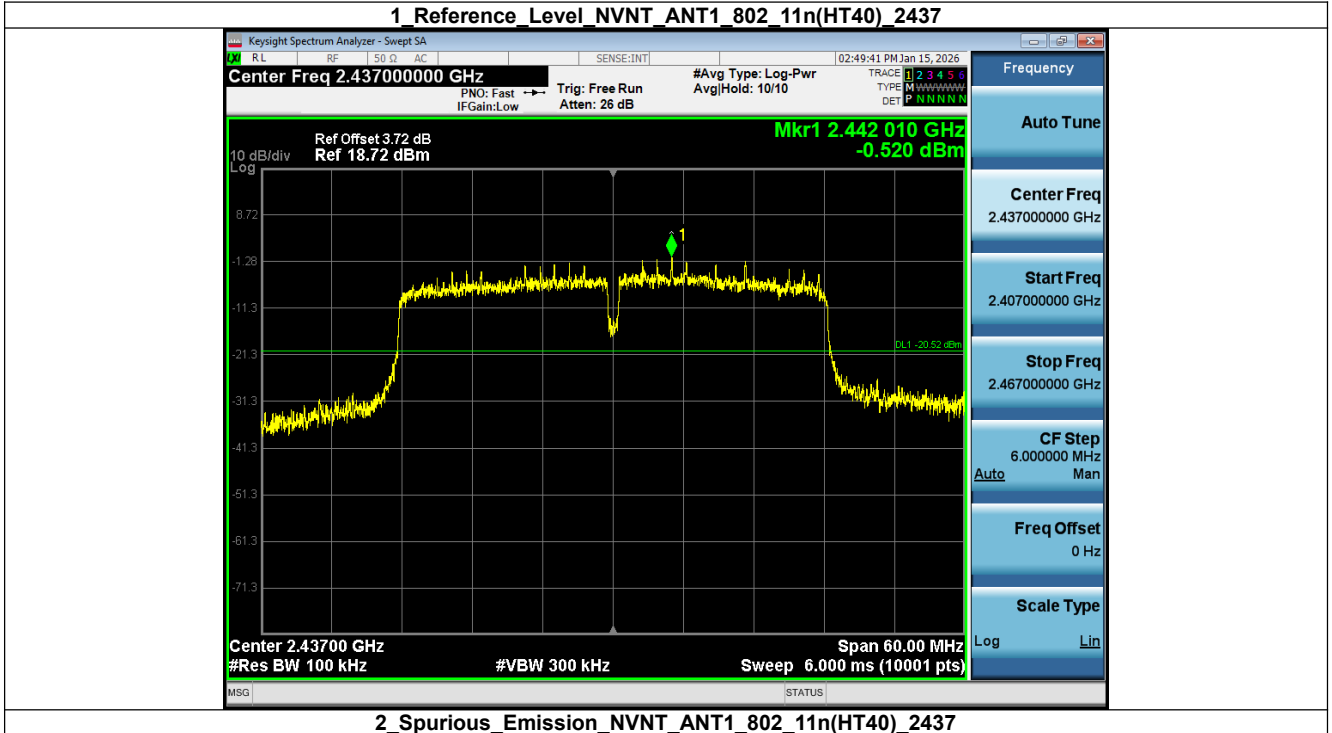
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



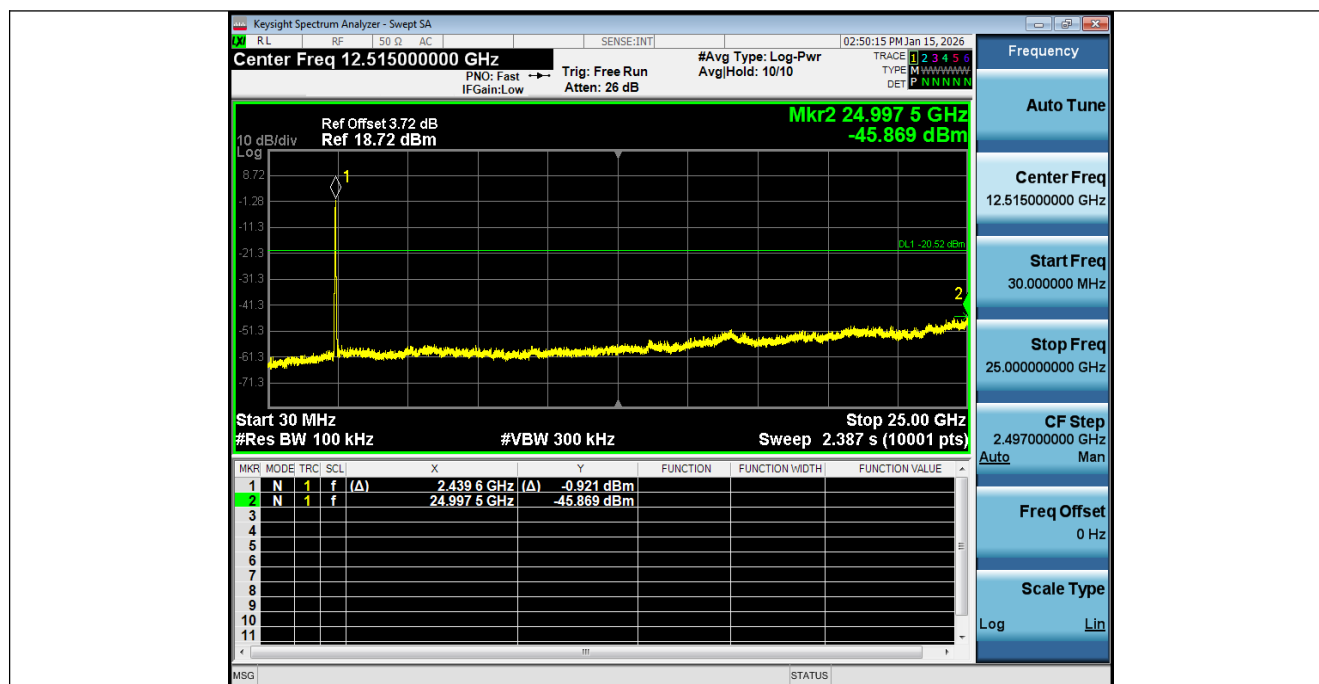
2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2422



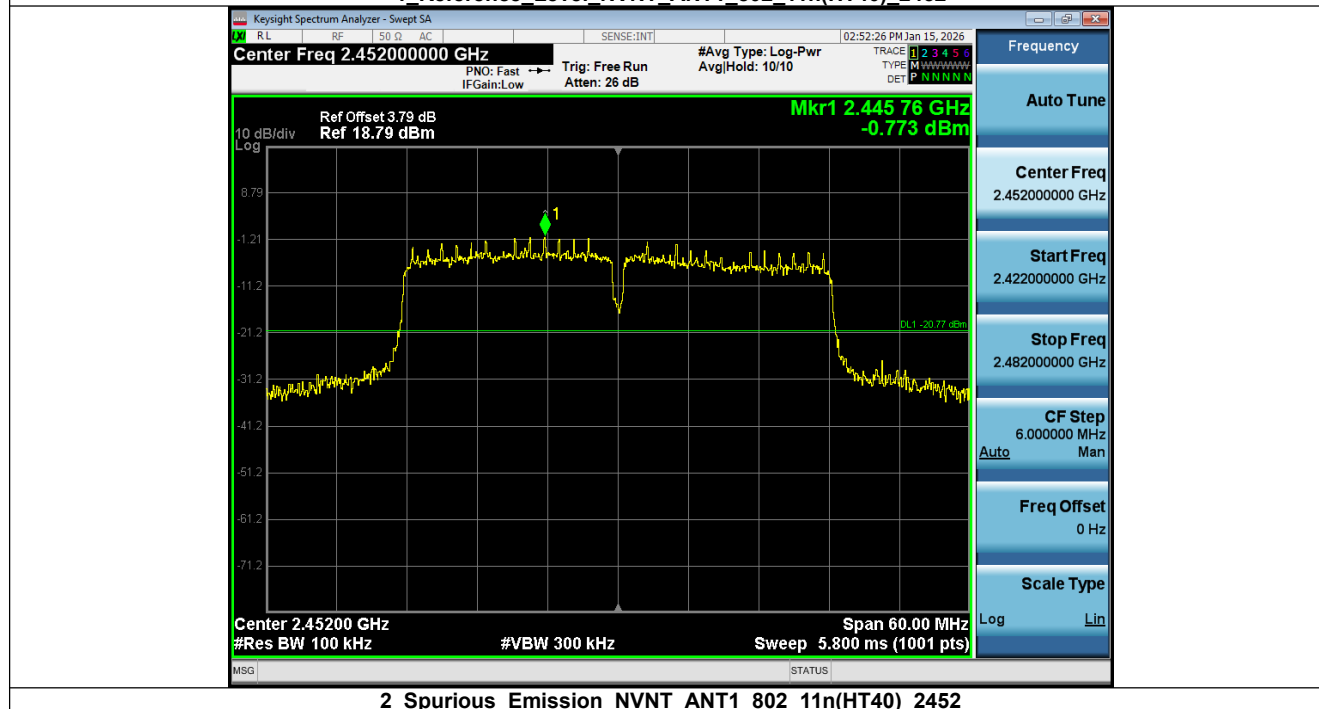
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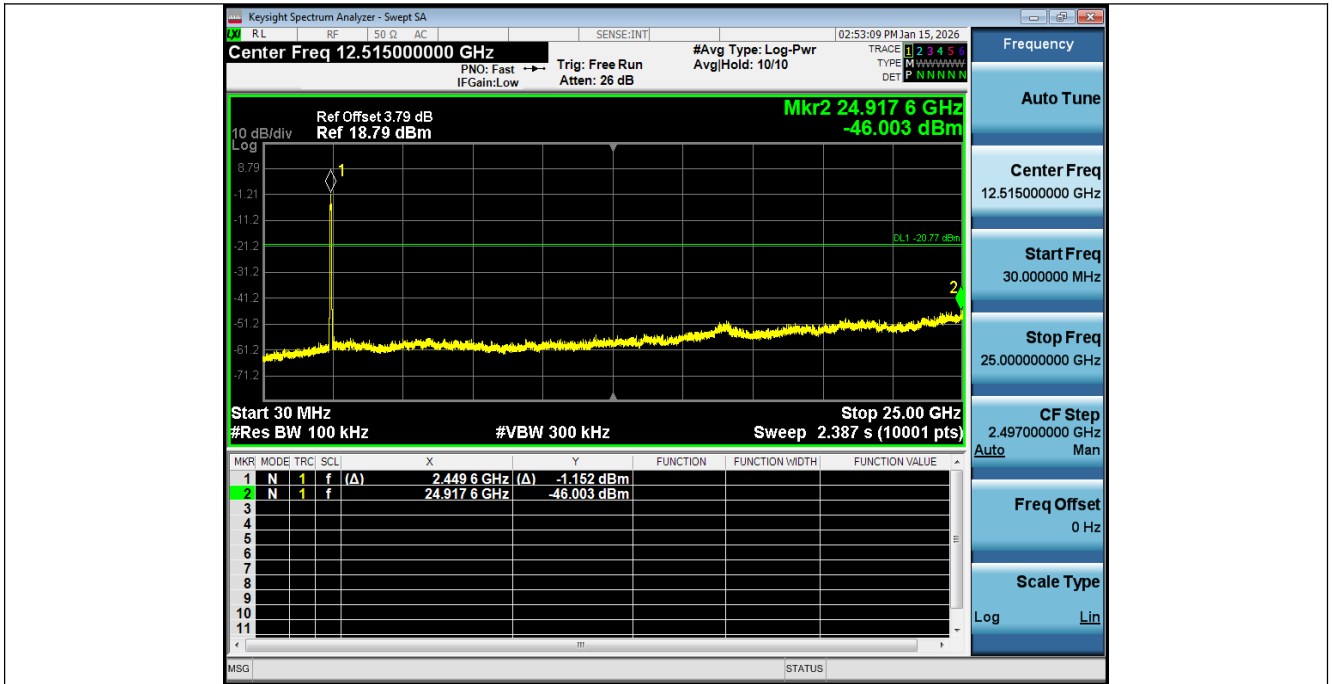
2 Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



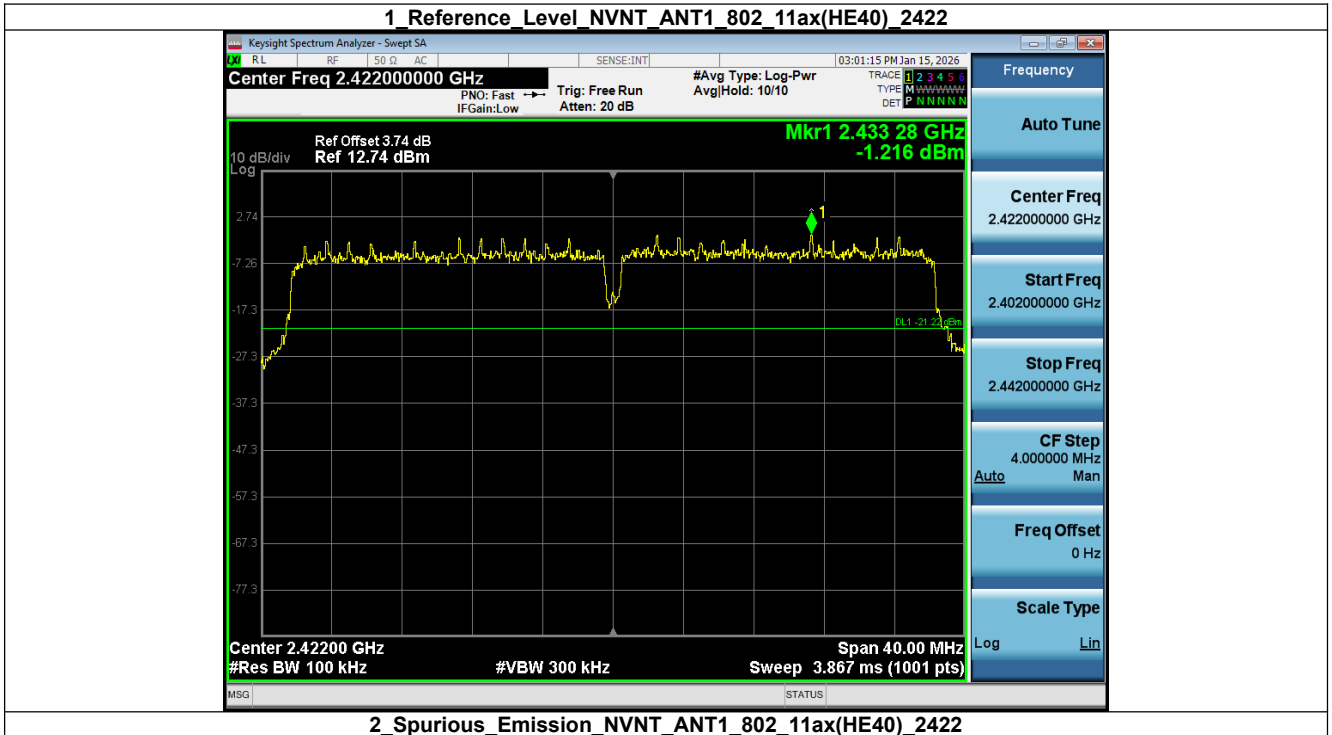
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



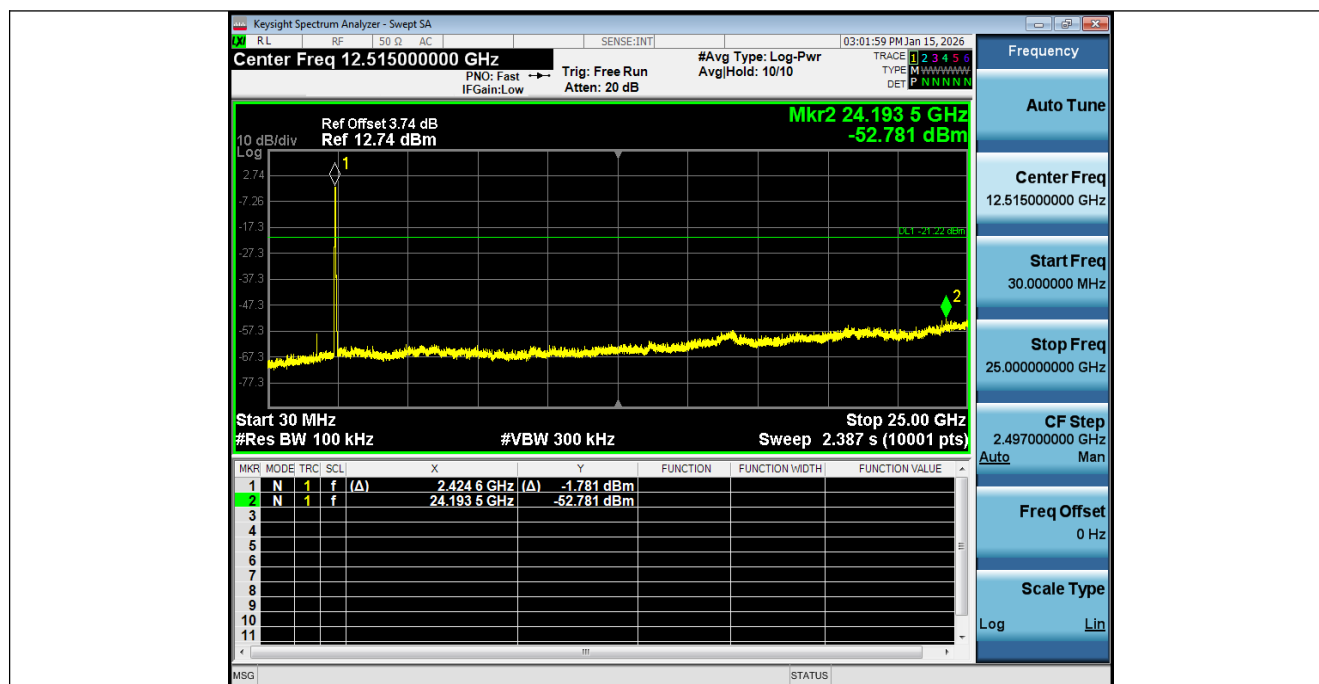
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452



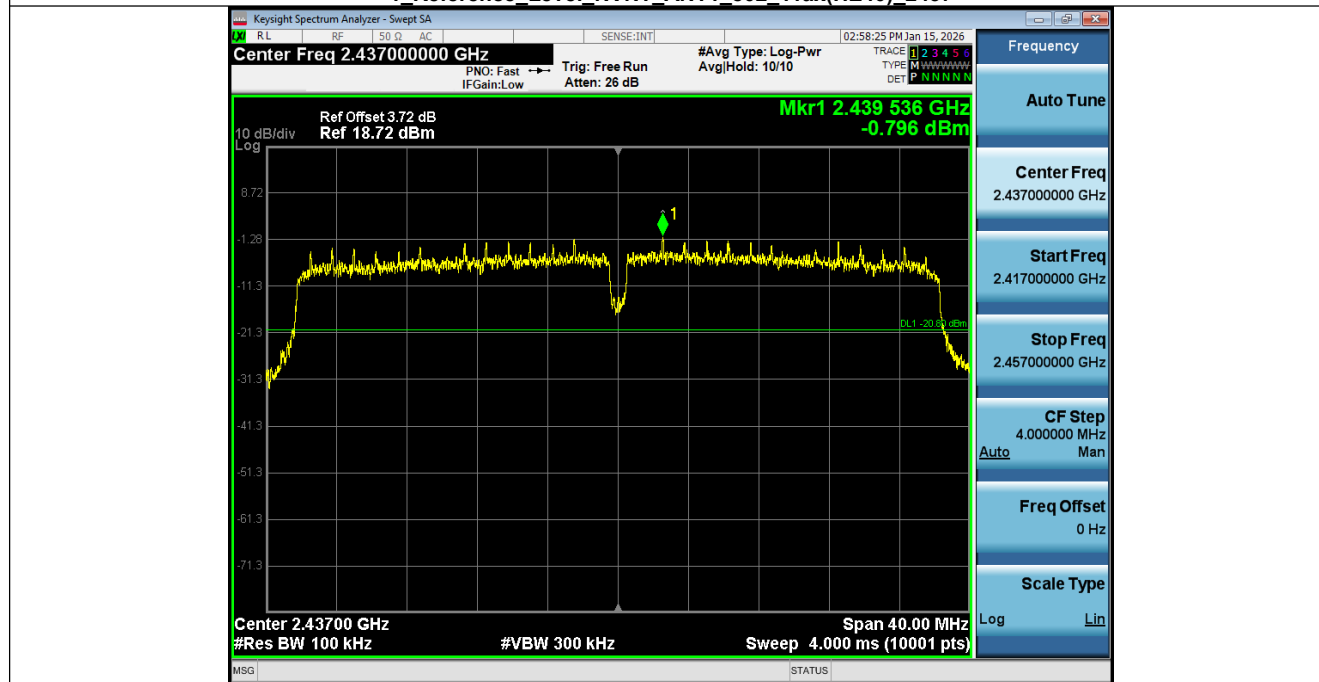
1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2422



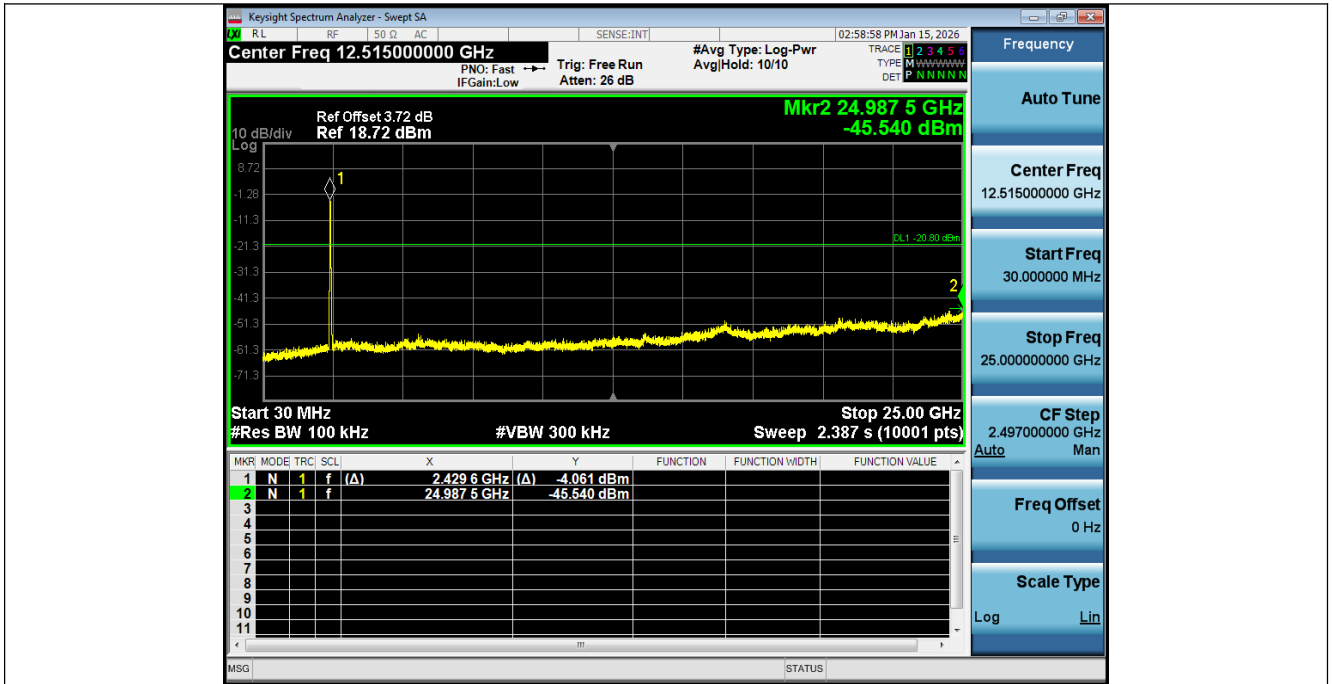
2_Spurious_Emission_NVNT_ANT1_802_11ax(HE40)_2422



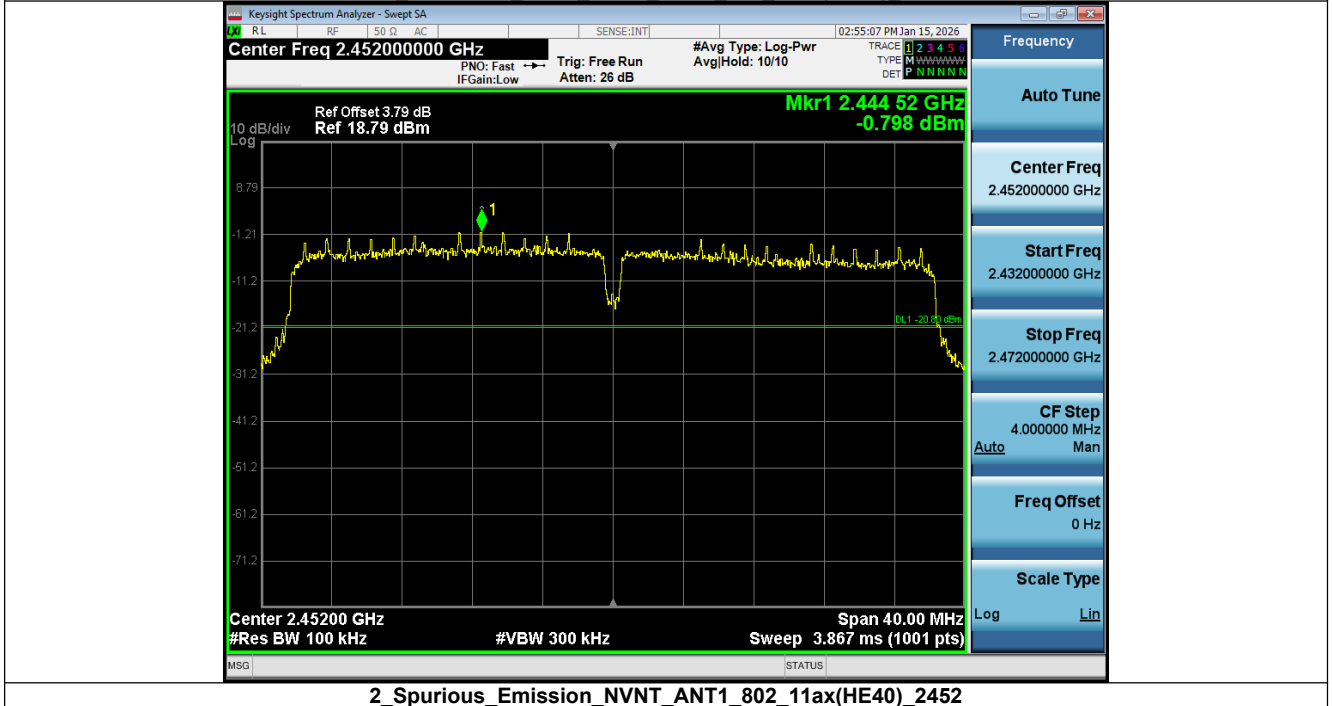
1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2437



2_Spurious_Emission_NVNT_ANT1_802_11ax(HE40)_2437



1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2452



2_Spurious_Emission_NVNT_ANT1_802_11ax(HE40)_2452

