

FCC ID: 2BE6N-W750

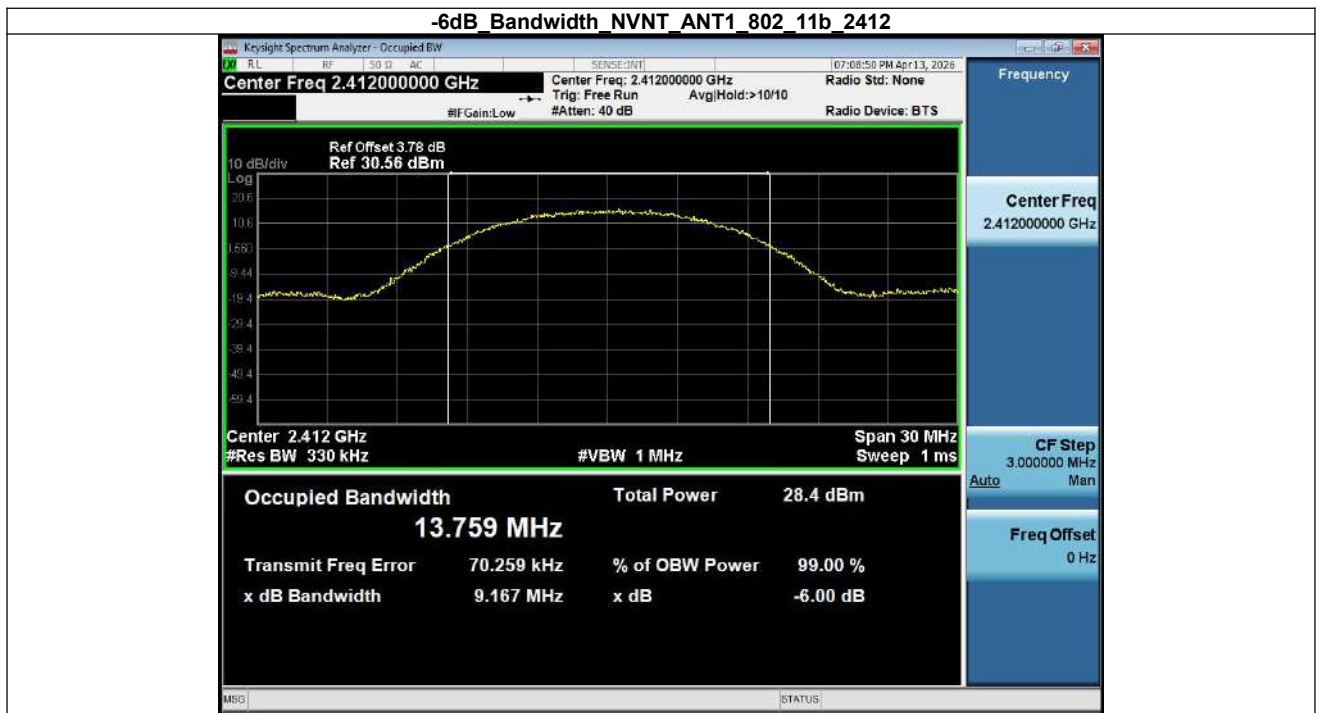
FCC_2.4G_WIFI (Part15.247) Test Data

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1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.17	500	Pass
NVNT	ANT1	802.11b	2437.00	9.55	500	Pass
NVNT	ANT1	802.11b	2462.00	8.93	500	Pass
NVNT	ANT1	802.11g	2412.00	16.24	500	Pass
NVNT	ANT1	802.11g	2437.00	16.23	500	Pass
NVNT	ANT1	802.11g	2462.00	16.27	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.58	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.70	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.62	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	18.66	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	18.89	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	18.92	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.31	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.11	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.09	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	37.77	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	37.82	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	37.75	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



-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



-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

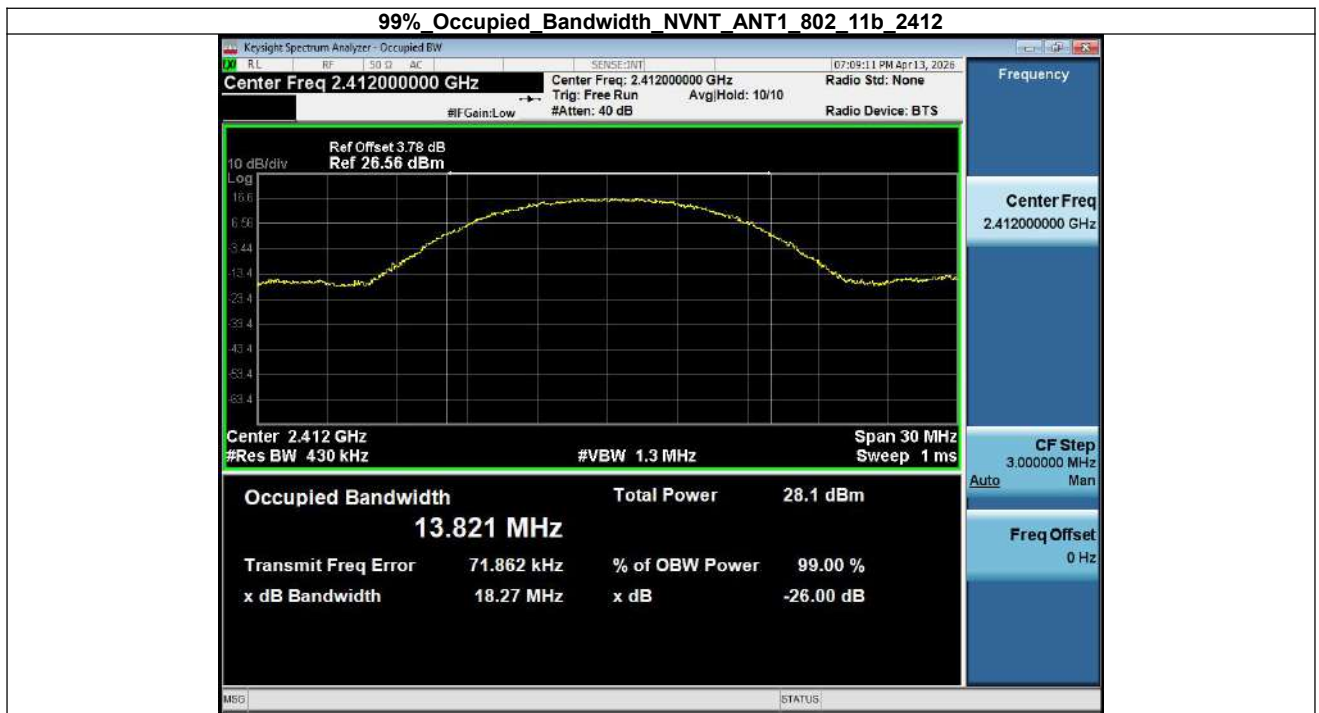


-6dB Bandwidth NVNT ANT1_802_11ax(HE40)_2452



2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	13.821
NVNT	ANT1	802.11b	2437.00	13.594
NVNT	ANT1	802.11b	2462.00	13.415
NVNT	ANT1	802.11g	2412.00	17.397
NVNT	ANT1	802.11g	2437.00	17.318
NVNT	ANT1	802.11g	2462.00	17.389
NVNT	ANT1	802.11n(HT20)	2412.00	21.127
NVNT	ANT1	802.11n(HT20)	2437.00	22.669
NVNT	ANT1	802.11n(HT20)	2462.00	21.726
NVNT	ANT1	802.11ax(HE20)	2412.00	20.084
NVNT	ANT1	802.11ax(HE20)	2437.00	21.078
NVNT	ANT1	802.11ax(HE20)	2462.00	20.673
NVNT	ANT1	802.11n(HT40)	2422.00	37.034
NVNT	ANT1	802.11n(HT40)	2437.00	37.075
NVNT	ANT1	802.11n(HT40)	2452.00	37.041
NVNT	ANT1	802.11ax(HE40)	2422.00	38.272
NVNT	ANT1	802.11ax(HE40)	2437.00	38.214
NVNT	ANT1	802.11ax(HE40)	2452.00	38.202



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_11n(HT20)_2437



99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2462



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 11n(HT40) 2437



99% Occupied Bandwidth NVNT ANT1 802 11n(HT40) 2452



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2422



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2437

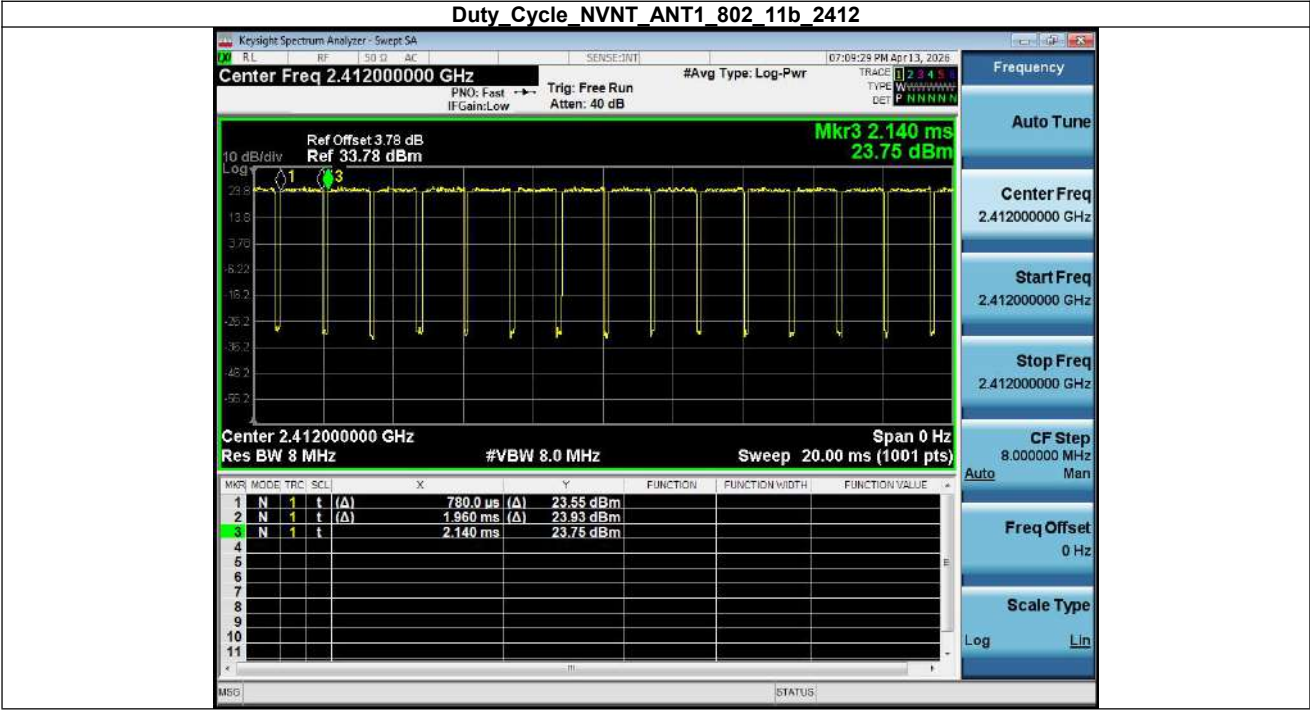


99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2452

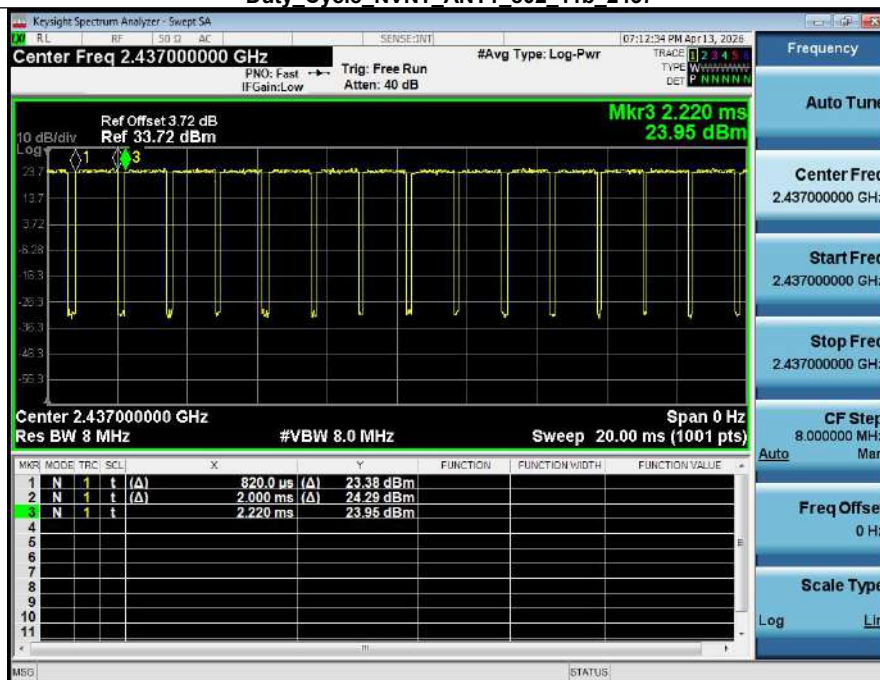


3. Duty Cycle

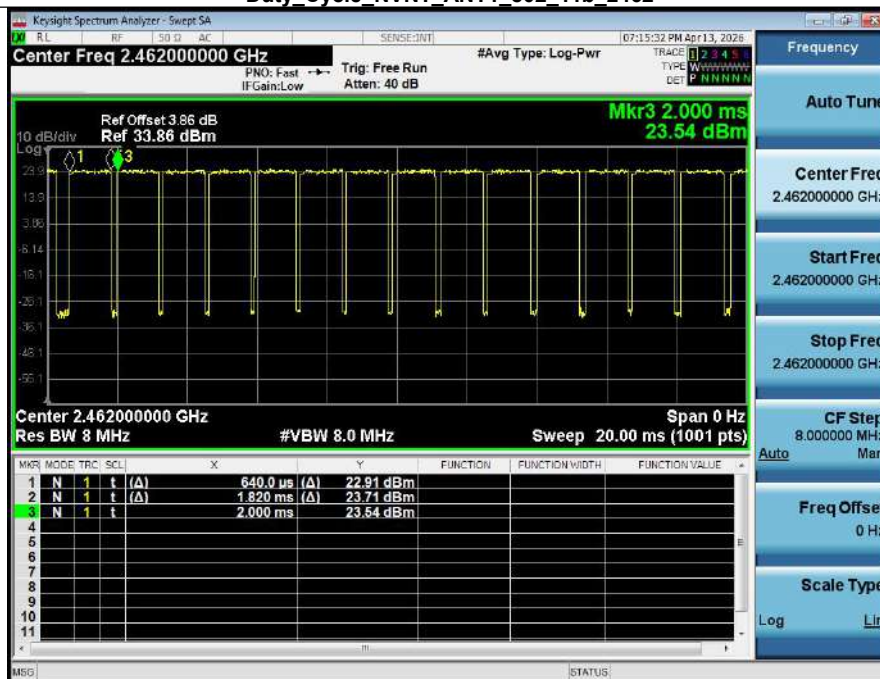
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	88.24	0.54
NVNT	ANT1	802.11b	2437.00	85.71	0.67
NVNT	ANT1	802.11b	2462.00	88.24	0.54
NVNT	ANT1	802.11g	2412.00	82.76	0.82
NVNT	ANT1	802.11g	2437.00	80.00	0.97
NVNT	ANT1	802.11g	2462.00	59.52	2.25
NVNT	ANT1	802.11n(HT20)	2412.00	96.91	0.14
NVNT	ANT1	802.11n(HT20)	2437.00	96.91	0.14
NVNT	ANT1	802.11n(HT20)	2462.00	96.41	0.16
NVNT	ANT1	802.11ax(HE20)	2412.00	94.74	0.23
NVNT	ANT1	802.11ax(HE20)	2437.00	94.74	0.23
NVNT	ANT1	802.11ax(HE20)	2462.00	94.12	0.26
NVNT	ANT1	802.11n(HT40)	2422.00	66.67	1.76
NVNT	ANT1	802.11n(HT40)	2437.00	60.00	2.22
NVNT	ANT1	802.11n(HT40)	2452.00	66.67	1.76
NVNT	ANT1	802.11ax(HE40)	2422.00	47.06	3.27
NVNT	ANT1	802.11ax(HE40)	2437.00	53.85	2.69
NVNT	ANT1	802.11ax(HE40)	2452.00	53.85	2.69



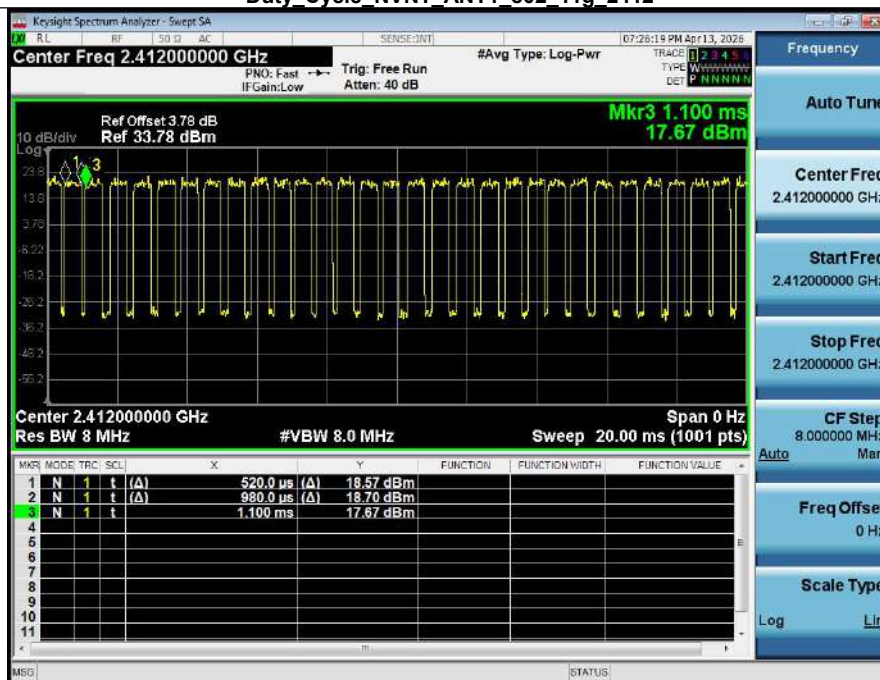
Duty Cycle NVNT ANT1_802_11b_2437



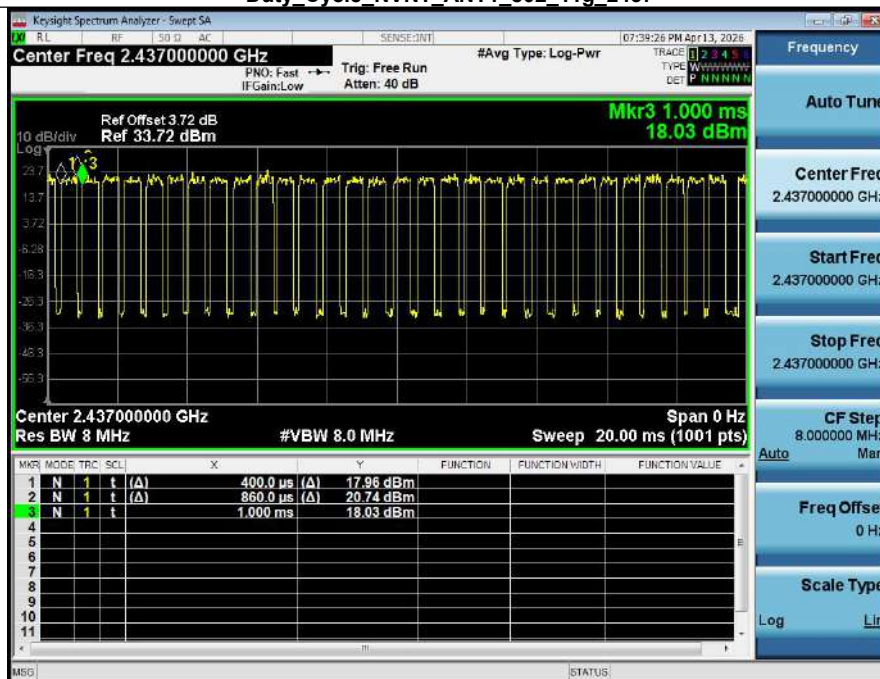
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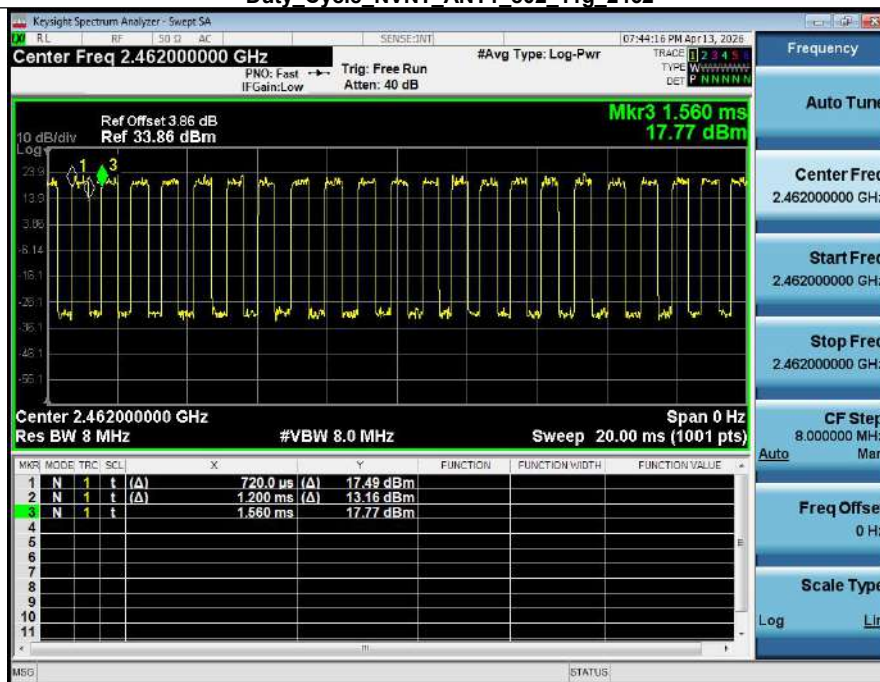
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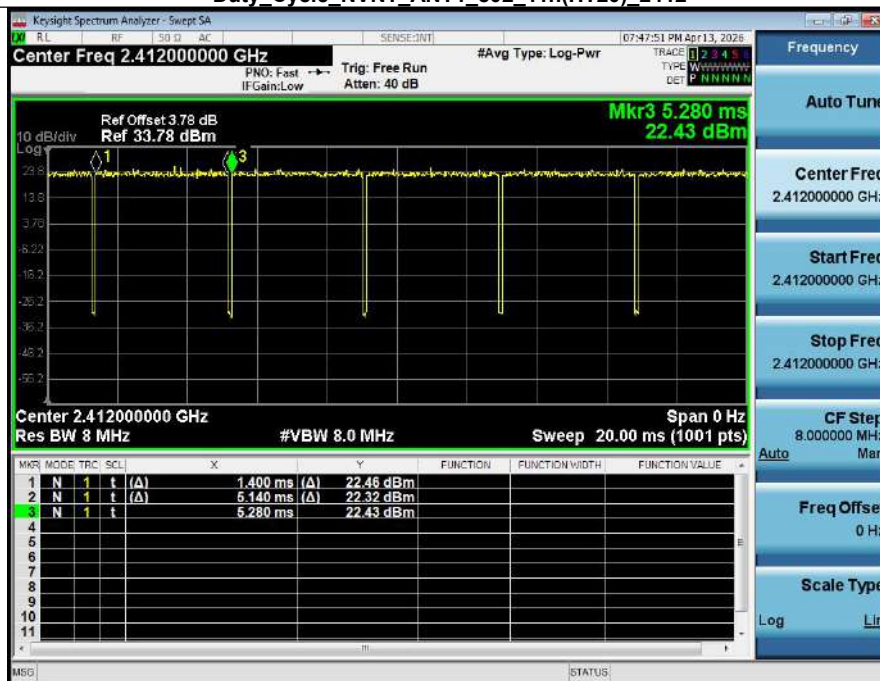
Duty Cycle NVNT ANT1_802_11g_2437



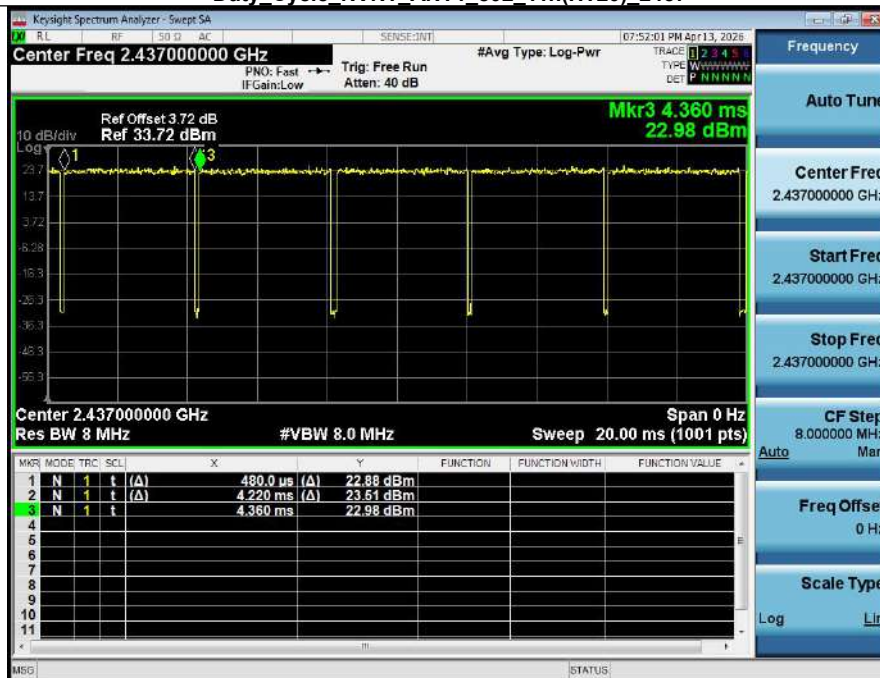
Duty Cycle NVNT_ANT1_802_11g_2462



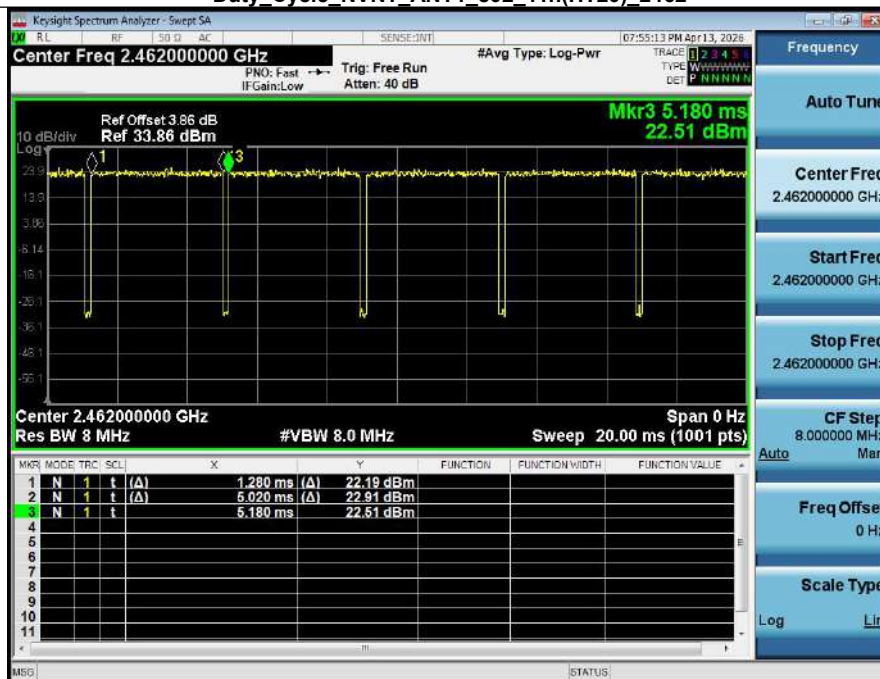
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



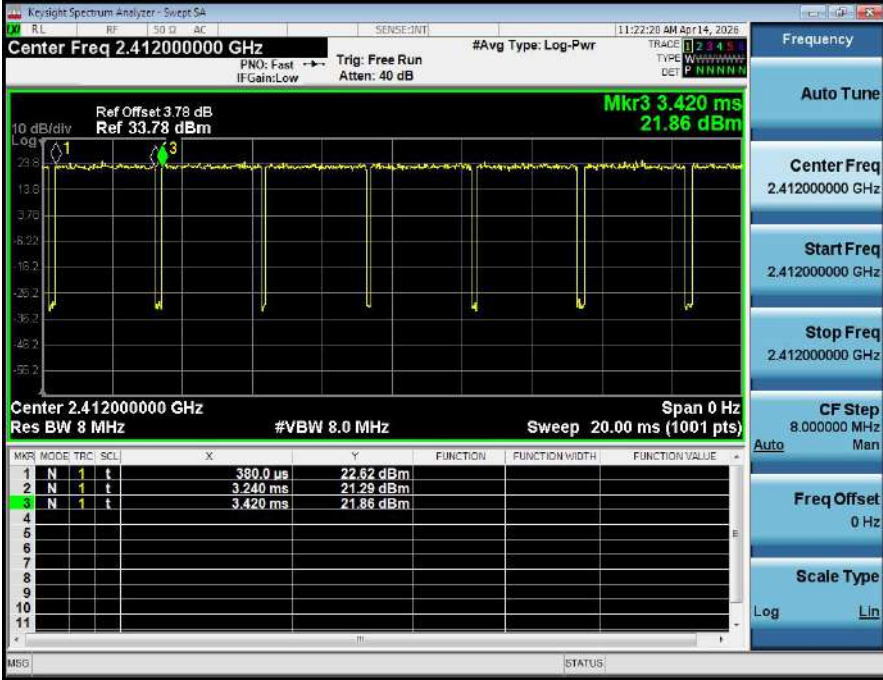
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



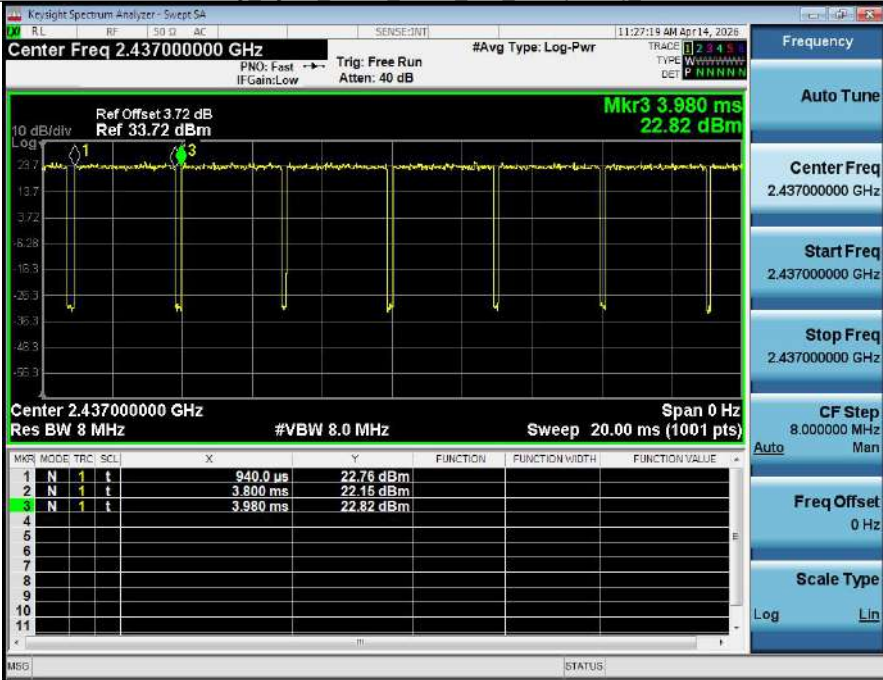
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



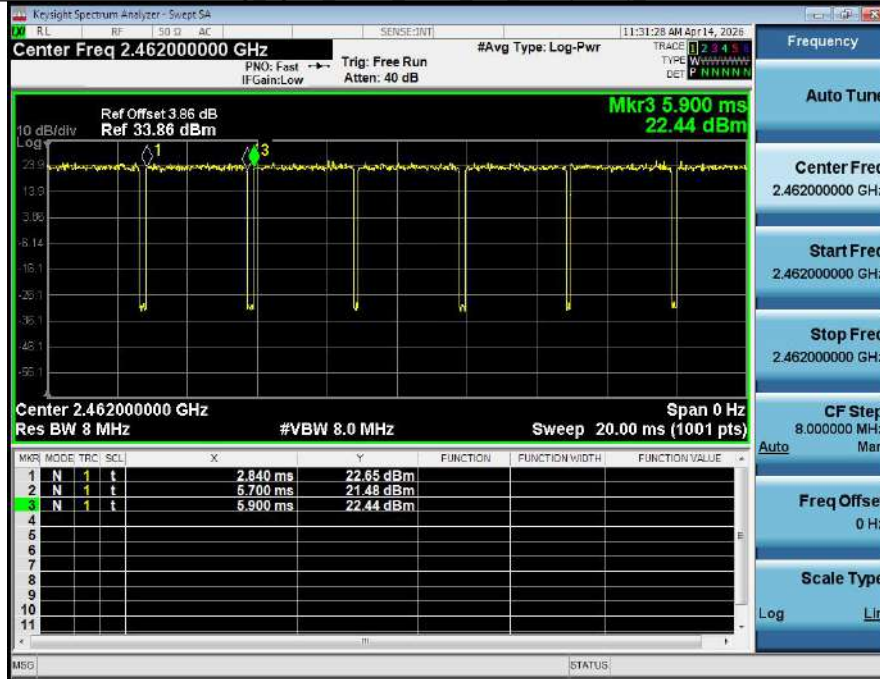
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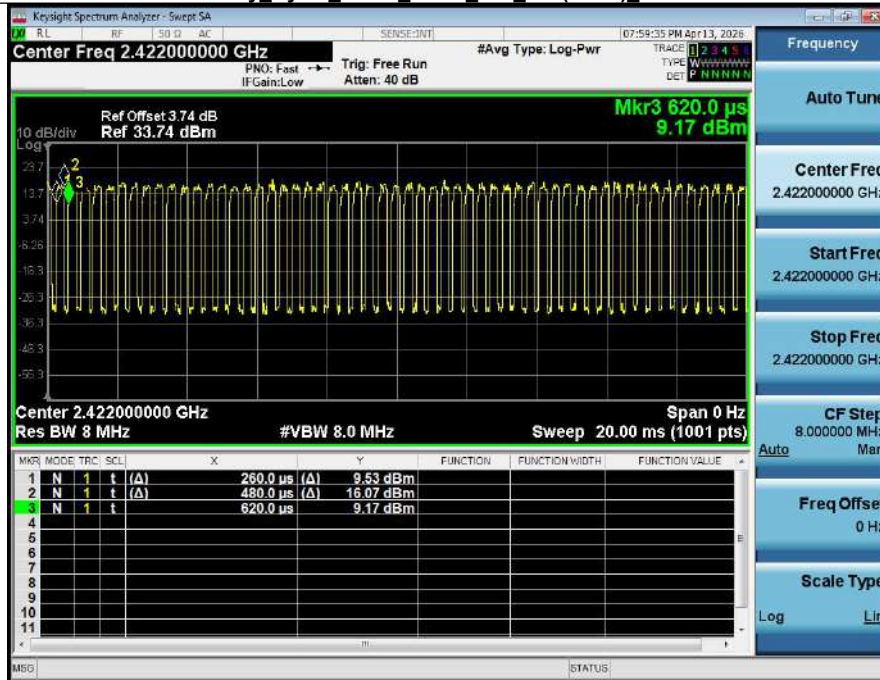
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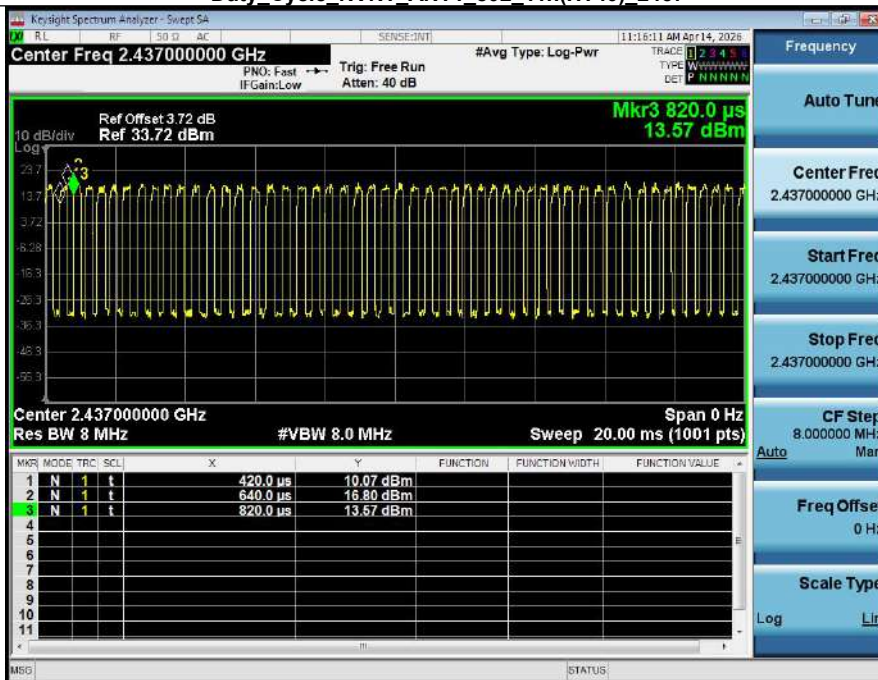
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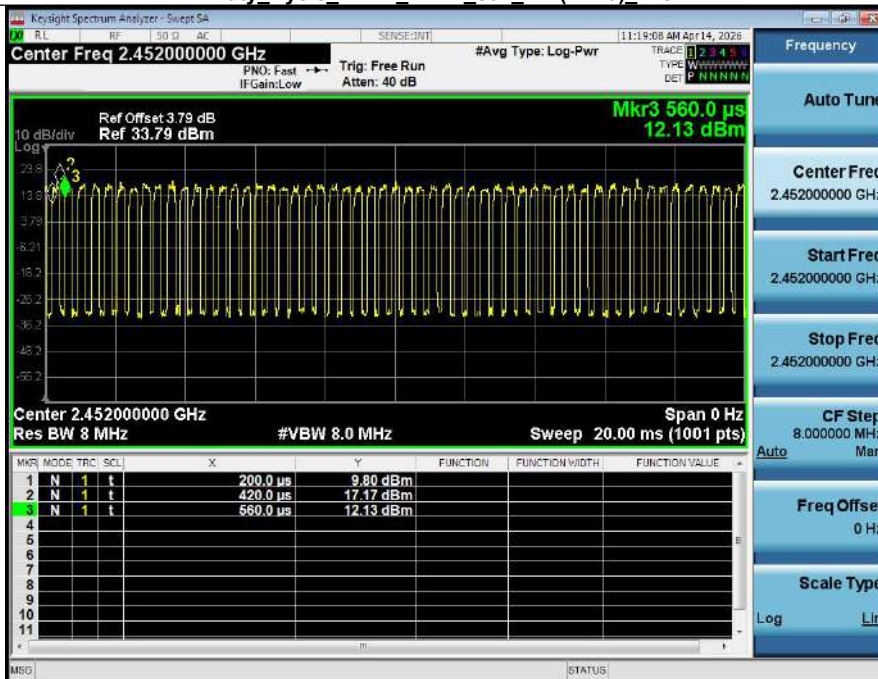
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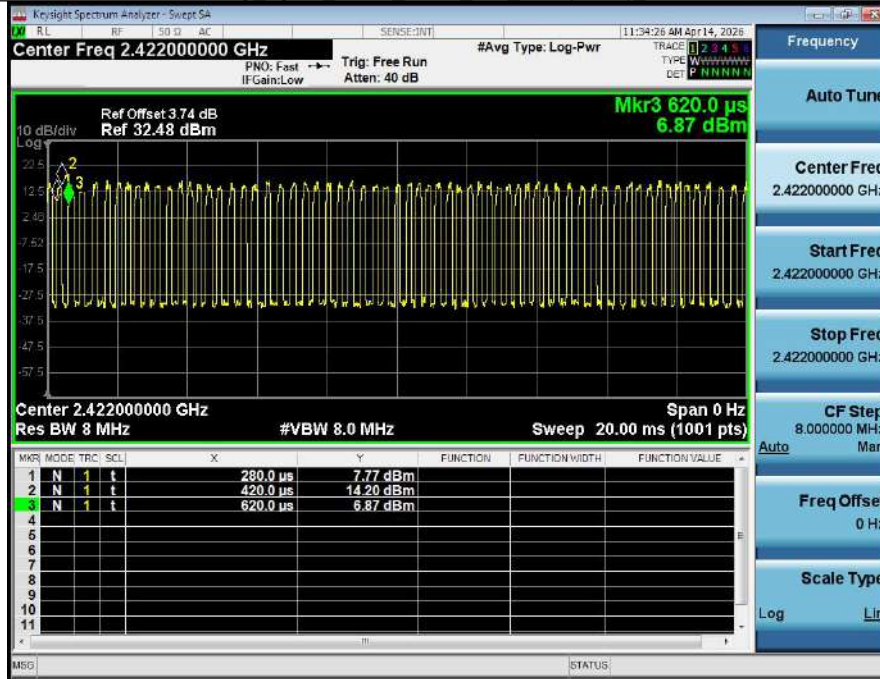
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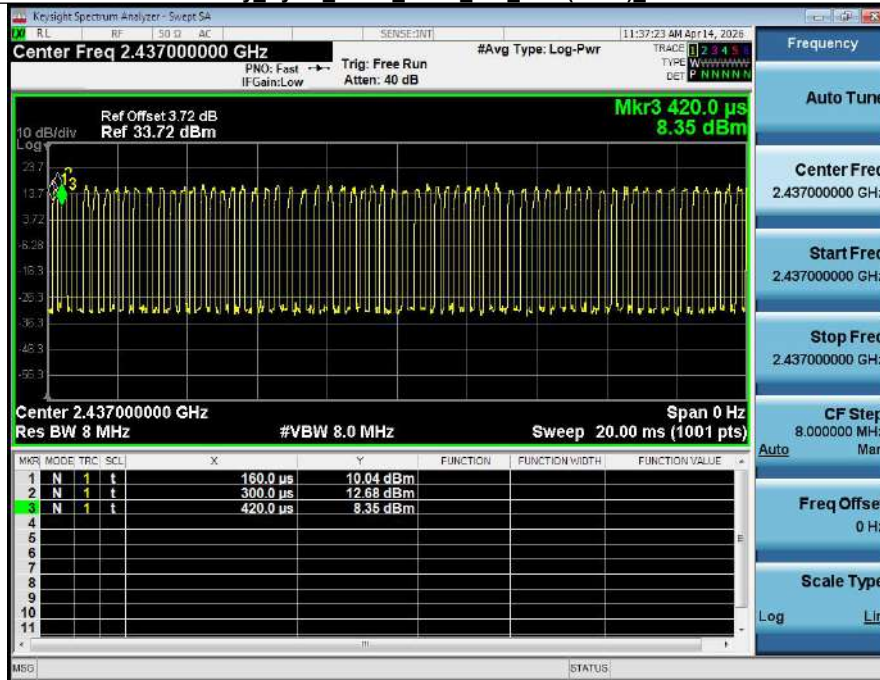
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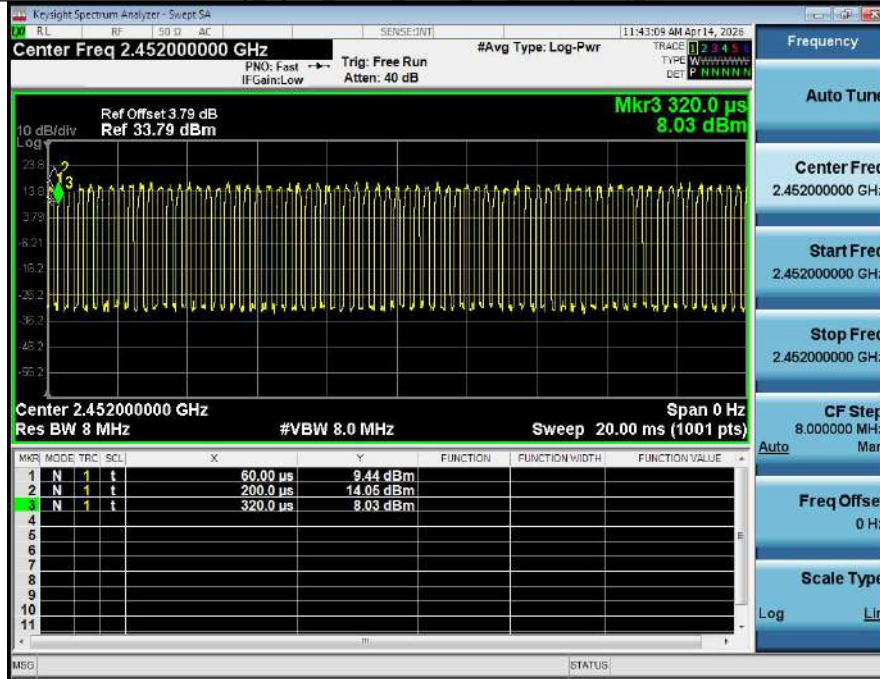
Duty Cycle NVNT_ANT1_802_11ax(HE40)_2422



Duty Cycle NVNT_ANT1_802_11ax(HE40)_2437



Duty Cycle NVNT_ANT1_802_11ax(HE40)_2452

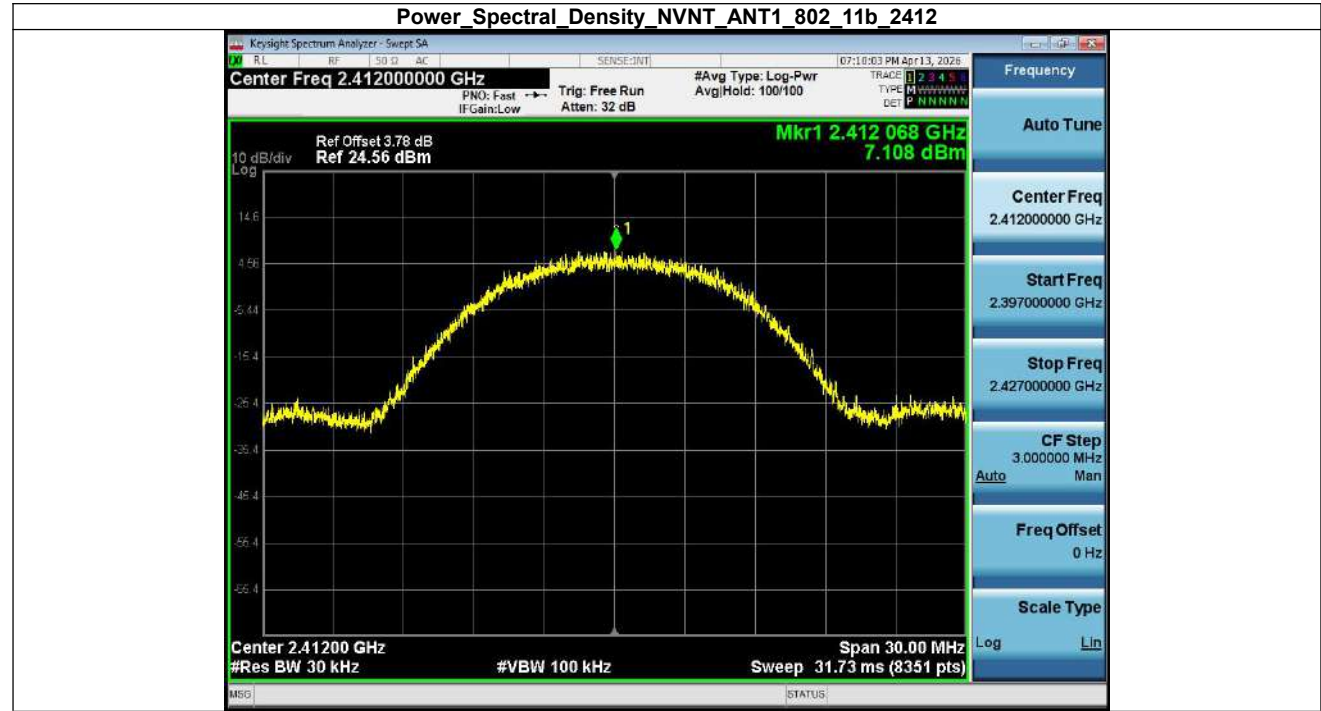


4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	27.55	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	27.21	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	26.75	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	22.56	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	23.34	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	22.93	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	26.59	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	27.30	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	26.93	30	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	Peak	27.66	30	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	Peak	28.57	30	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	Peak	28.31	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	22.19	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	22.94	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	22.73	30	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	Peak	20.54	30	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	Peak	21.53	30	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	Peak	21.40	30	Pass

5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	7.11	8	Pass
NVNT	ANT1	802.11b	2437.00	7.64	8	Pass
NVNT	ANT1	802.11b	2462.00	6.88	8	Pass
NVNT	ANT1	802.11g	2412.00	-0.21	8	Pass
NVNT	ANT1	802.11g	2437.00	1.60	8	Pass
NVNT	ANT1	802.11g	2462.00	-0.02	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	4.63	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	5.27	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	4.36	8	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	4.33	8	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	5.20	8	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	5.08	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-2.88	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-2.19	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-2.40	8	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	-4.76	8	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	-3.78	8	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	-3.94	8	Pass



Power Spectral Density NVNT_ANT1_802_11b_2437



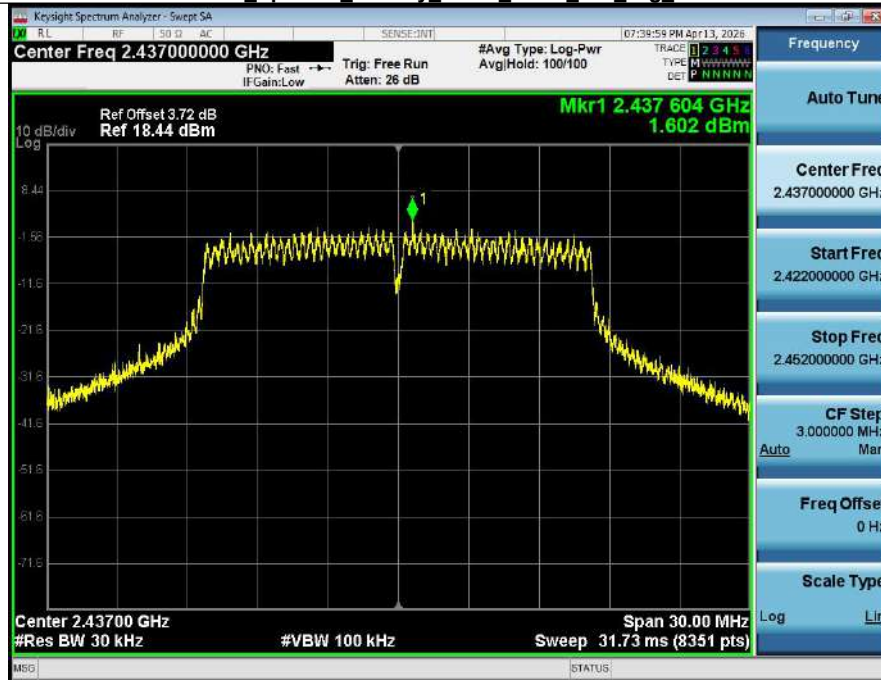
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Power Spectral Density NVNT_ANT1_802_11g_2412



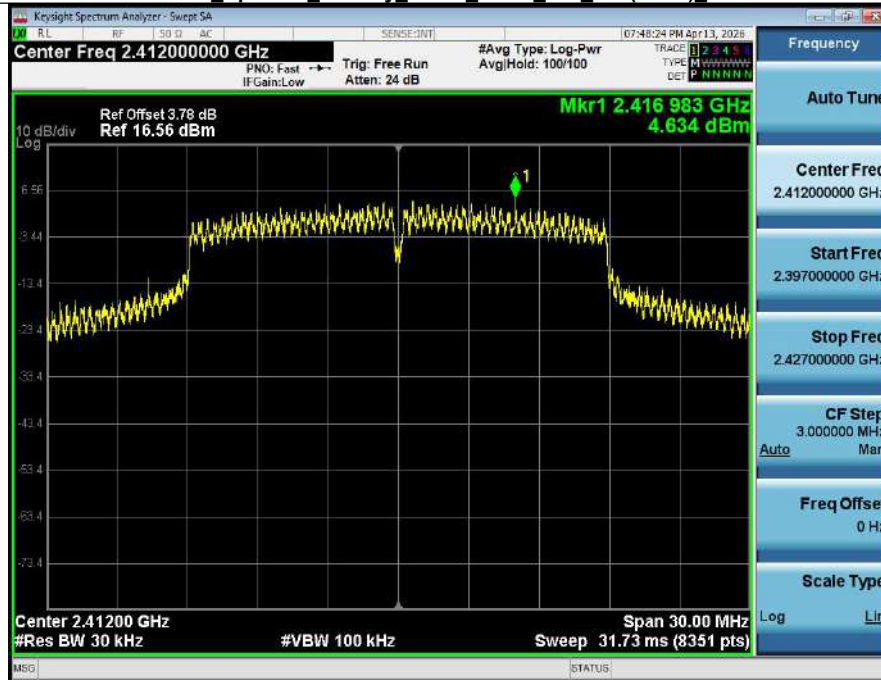
Power Spectral Density NVNT_ANT1_802_11g_2437



Power Spectral Density NVNT_ANT1_802_11g_2462



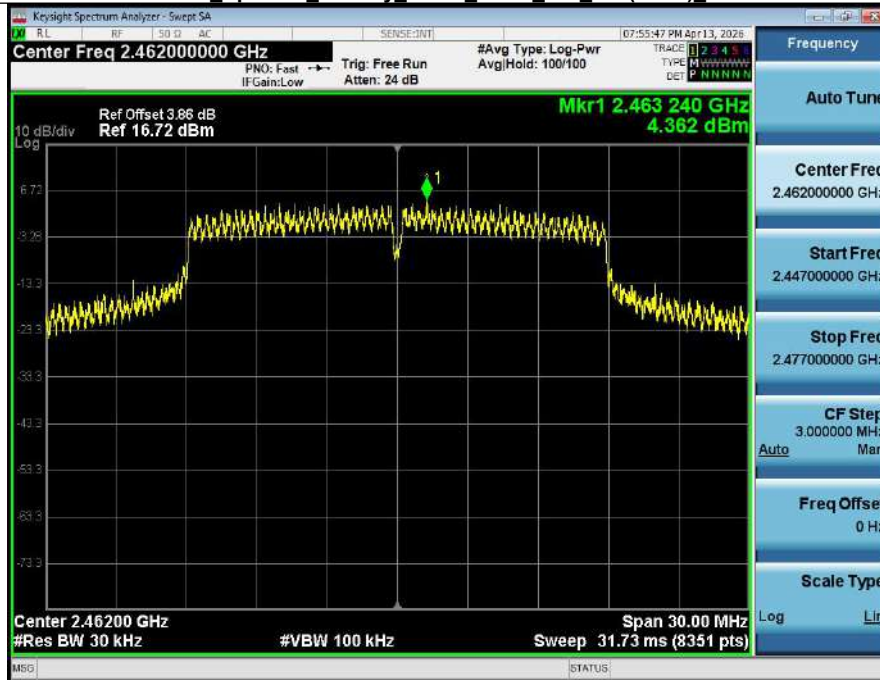
Power Spectral Density NVNT_ANT1_802_11n(HT20)_2412



Power Spectral Density NVNT_ANT1_802_11n(HT20)_2437



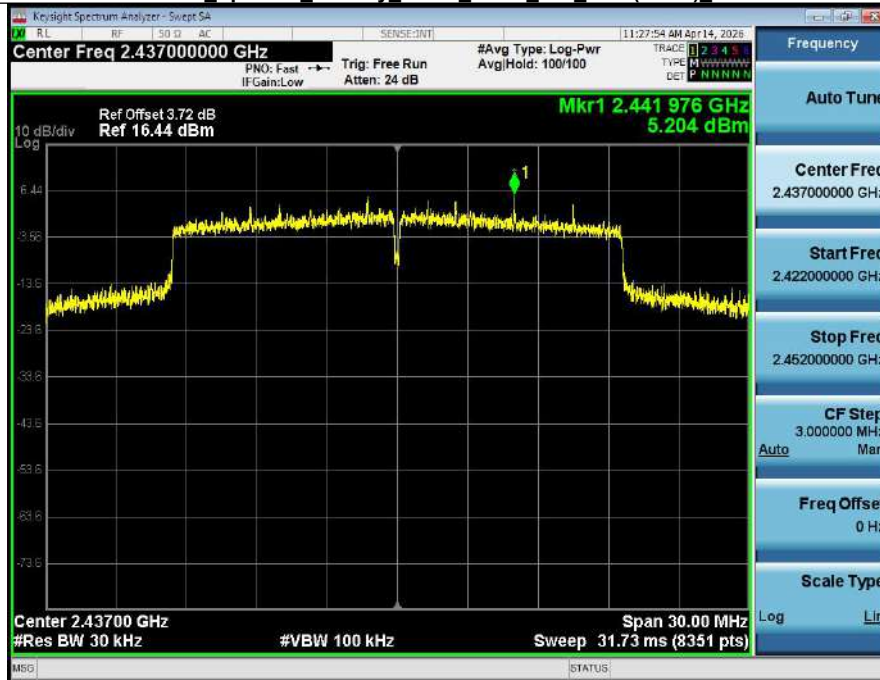
Power Spectral Density NVNT_ANT1_802_11n(HT20)_2462



Power Spectral Density NVNT ANT1 802 11ax(HE20) 2412



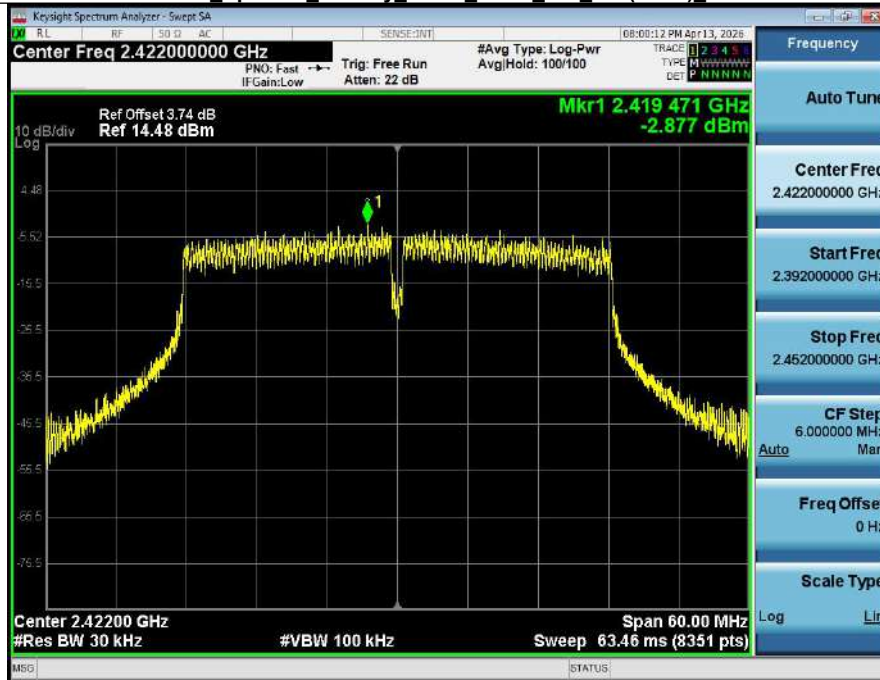
Power Spectral Density NVNT ANT1 802 11ax(HE20) 2437



Power Spectral Density NVNT ANT1 802 11ax(HE20) 2462



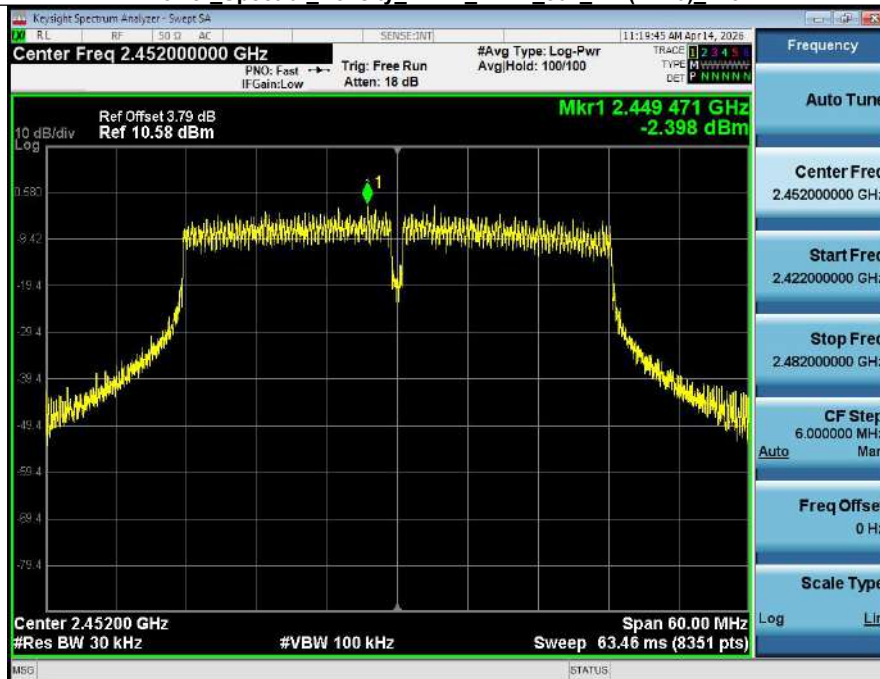
Power Spectral Density NVNT ANT1 802 11n(HT40) 2422



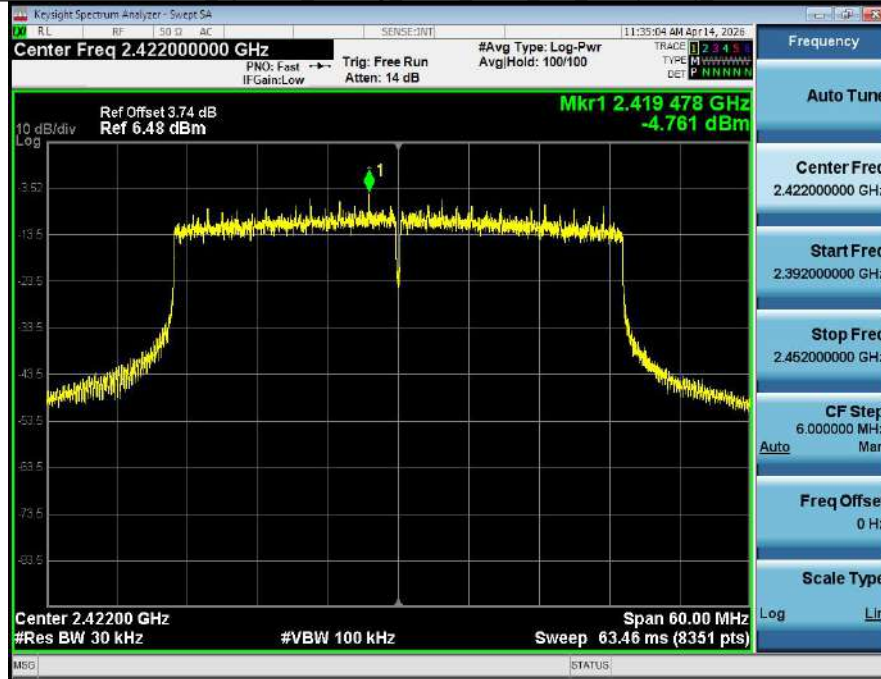
Power Spectral Density NVNT ANT1_802_11n(HT40)_2437



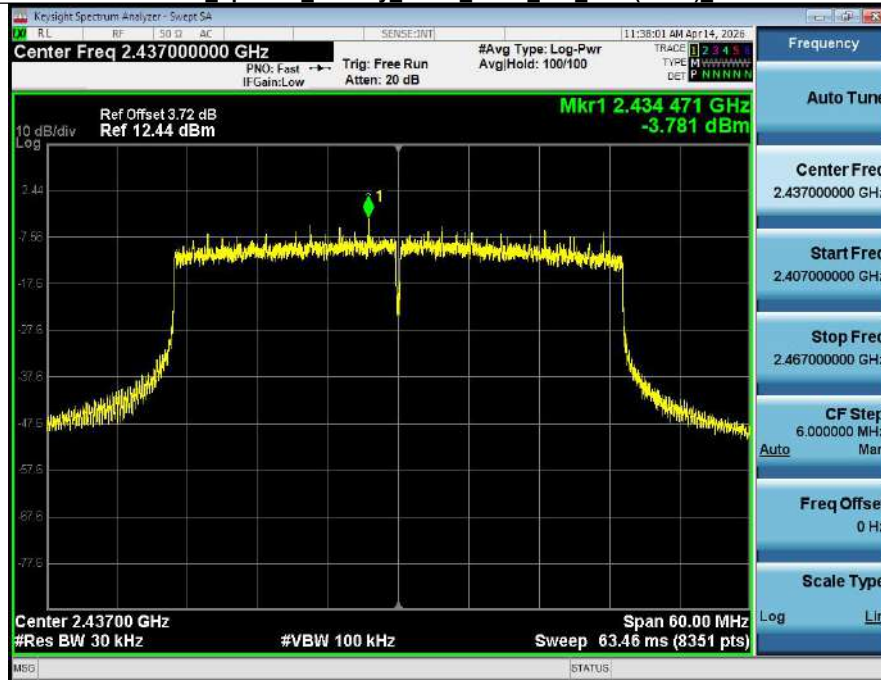
Power Spectral Density NVNT ANT1_802_11n(HT40)_2452



Power Spectral Density NVNT ANT1 802 11ax(HE40) 2422



Power Spectral Density NVNT ANT1 802 11ax(HE40) 2437



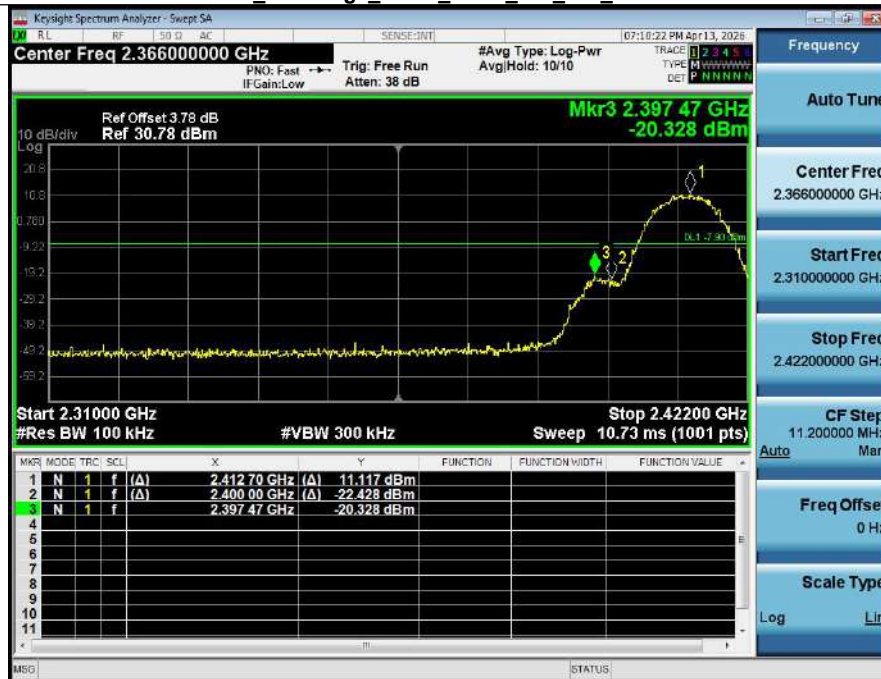
6. Bandedge

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	2397.472	12.097	-20.328	-7.903	Pass
NVNT	ANT1	802.11b	2462.00	2497.840	11.067	-49.486	-8.933	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	4.497	-26.830	-15.503	Pass
NVNT	ANT1	802.11g	2462.00	2485.360	4.095	-43.936	-15.905	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	8.651	-13.522	-11.349	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2484.496	8.824	-22.230	-11.176	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	2399.936	8.621	-12.779	-11.379	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	2484.256	9.241	-19.886	-10.759	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	1.343	-32.915	-18.657	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2483.680	1.851	-36.790	-18.149	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	2399.364	-0.720	-32.294	-20.720	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2483.680	-0.175	-40.723	-20.175	Pass

1 Reference Level NVNT_ANT1_802_11b_2412



2 Bandedge_NVNT_ANT1_802_11b_2412



1 Reference Level NVNT_ANT1_802_11b_2462



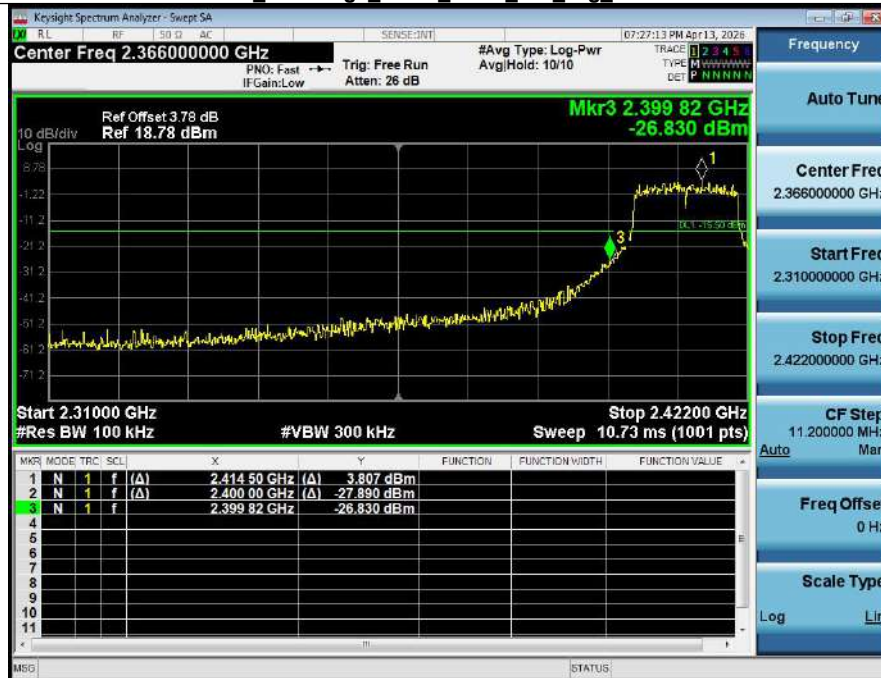
2 Bandedge NVNT_ANT1_802_11b_2462



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



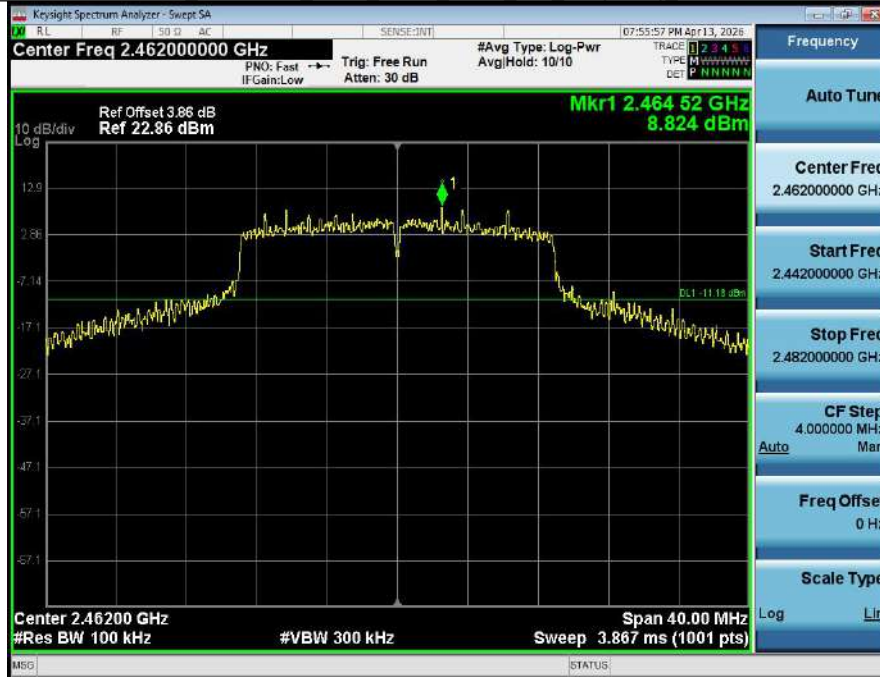
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2 Bandedge NVNT_ANT1_802_11n(HT20)_2412



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



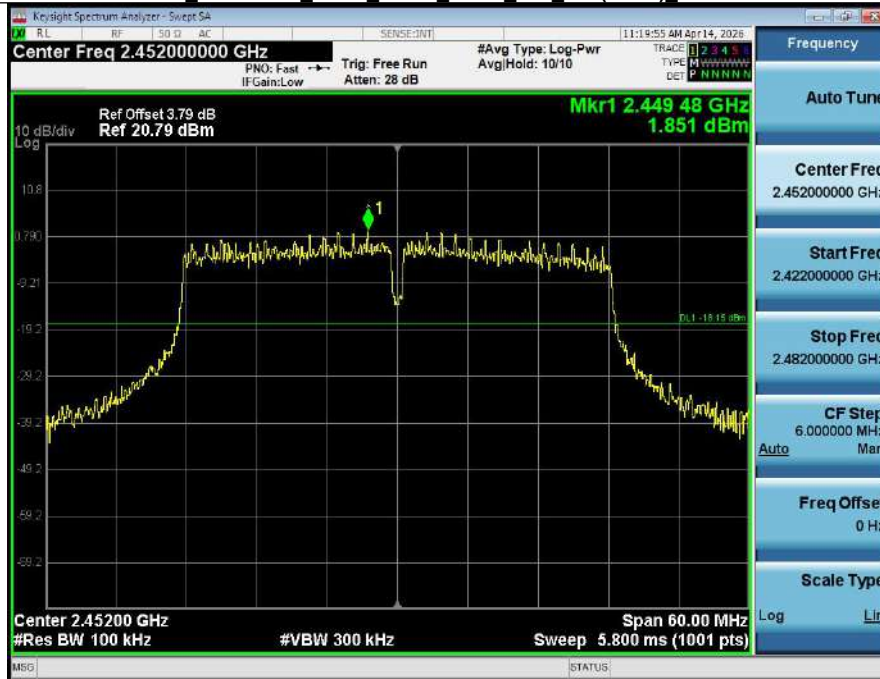
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



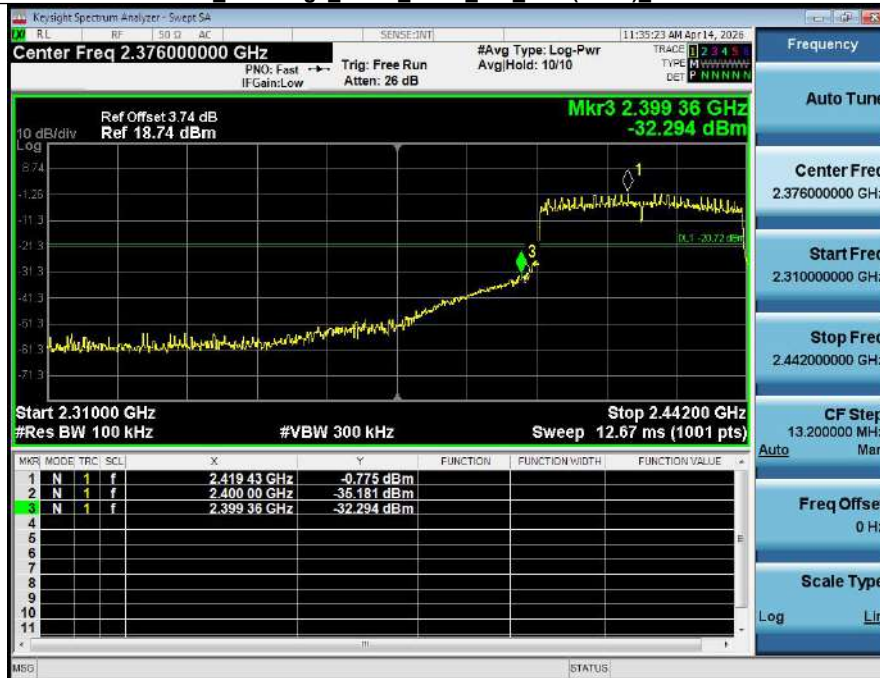
2 Bandedge NVNT_ANT1_802_11n(HT40)_2452



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

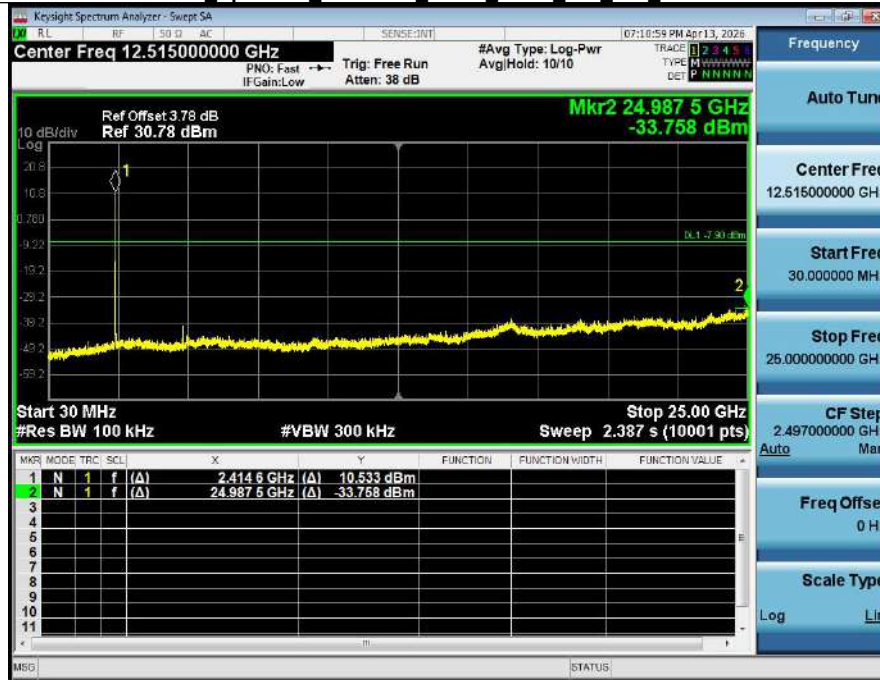


7. Spurious Emission

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	24987.515	12.097	-33.758	-7.903	Pass
NVNT	ANT1	802.11b	2437.00	24840.192	11.260	-34.202	-8.740	Pass
NVNT	ANT1	802.11b	2462.00	24428.187	11.067	-39.603	-8.933	Pass
NVNT	ANT1	802.11g	2412.00	24418.199	4.497	-45.204	-15.503	Pass
NVNT	ANT1	802.11g	2437.00	24498.103	5.038	-45.943	-14.962	Pass
NVNT	ANT1	802.11g	2462.00	24842.689	4.095	-45.217	-15.905	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24945.066	8.798	-36.074	-11.202	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24990.012	9.162	-42.343	-10.838	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24962.545	8.824	-42.532	-11.176	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	24697.863	8.621	-36.383	-11.379	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	24812.725	8.882	-36.588	-11.118	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	24922.593	9.241	-41.616	-10.759	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	4841.719	1.343	-49.234	-18.657	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	2502.030	2.069	-44.038	-17.931	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24995.006	1.851	-44.347	-18.149	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	24950.060	-0.720	-45.763	-20.720	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	4871.683	0.197	-48.470	-19.803	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	24940.072	-0.175	-45.157	-20.175	Pass



2 Spurious Emission NVNT ANT1 802 11b 2412



1 Reference Level NVNT ANT1 802 11b 2437



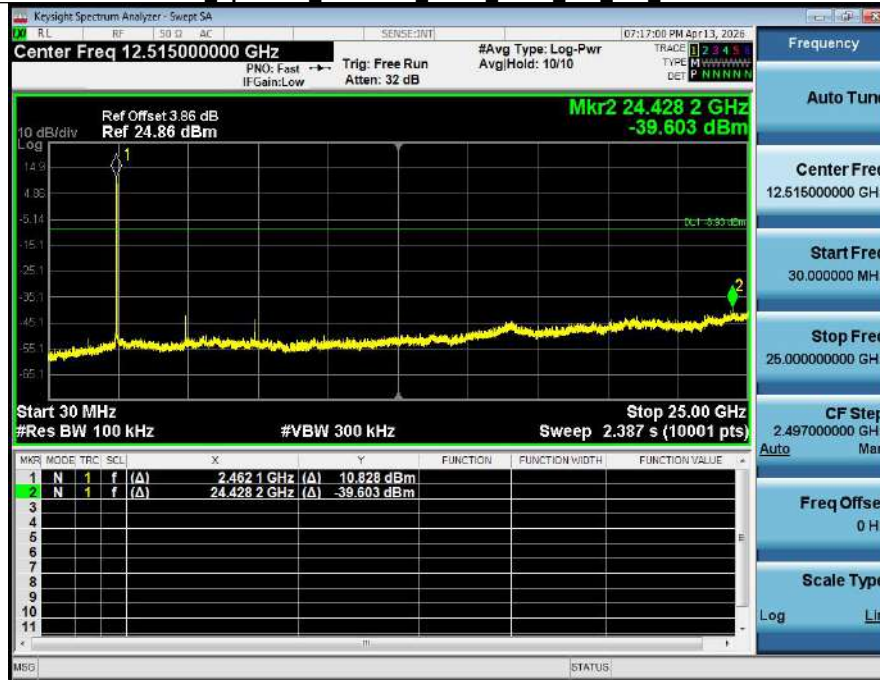
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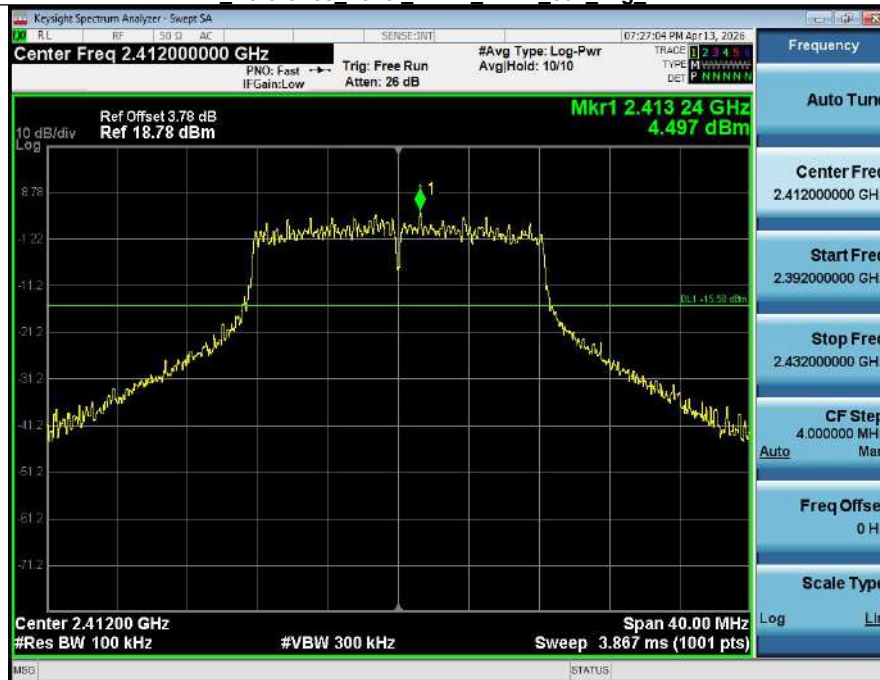
1 Reference Level NVNT ANT1 802 11b 2462



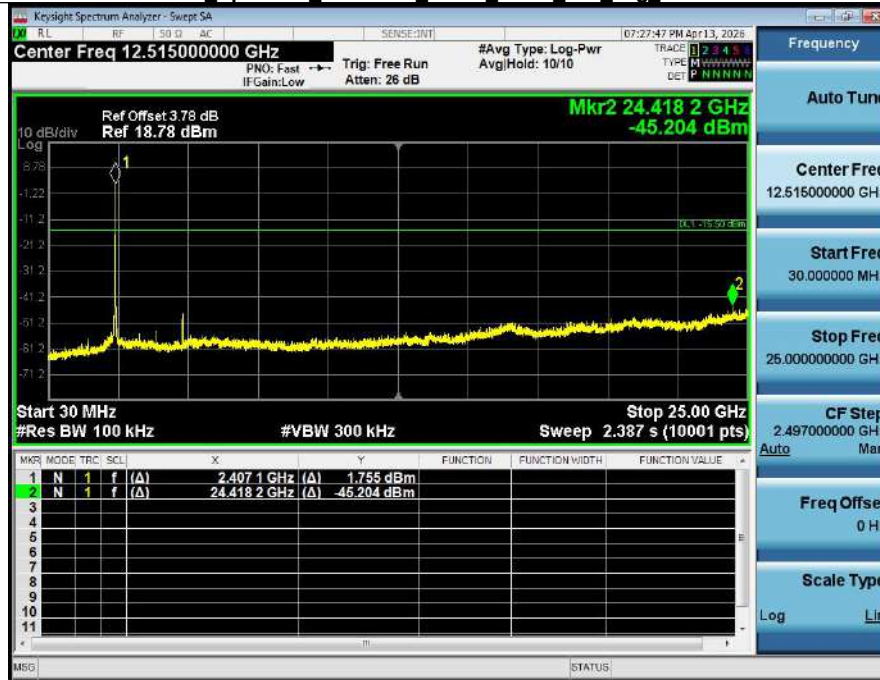
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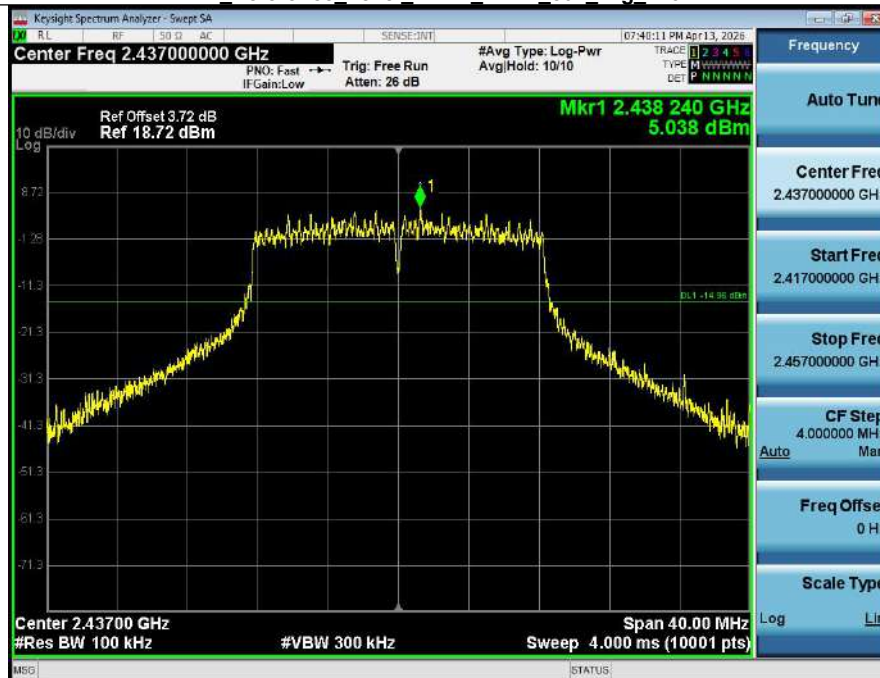
1 Reference Level NVNT ANT1 802 11g 2412



2 Spurious Emission NVNT ANT1 802 11g 2412



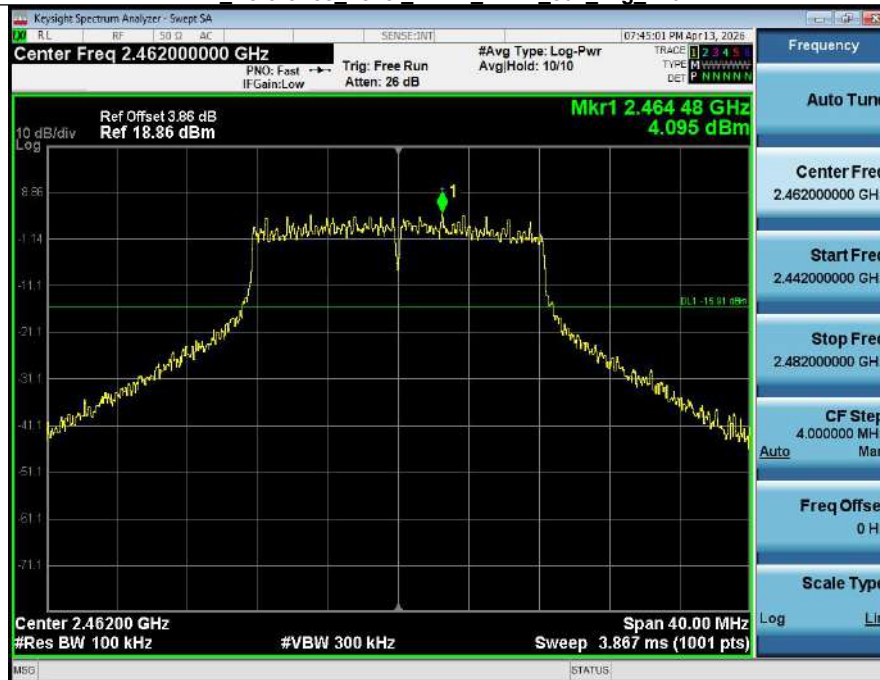
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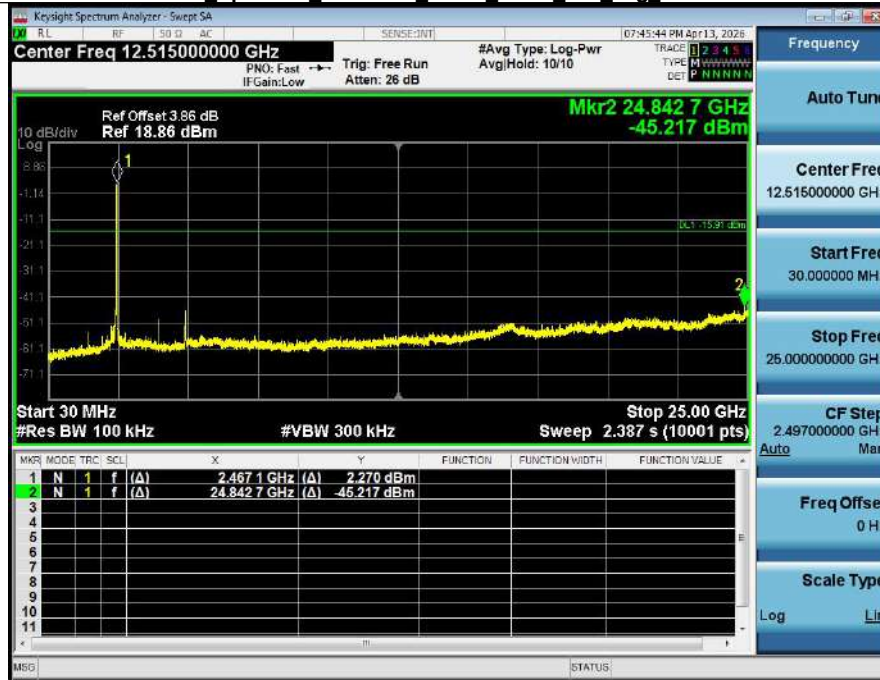
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1 Reference Level NVNT ANT1 802 11g 2462



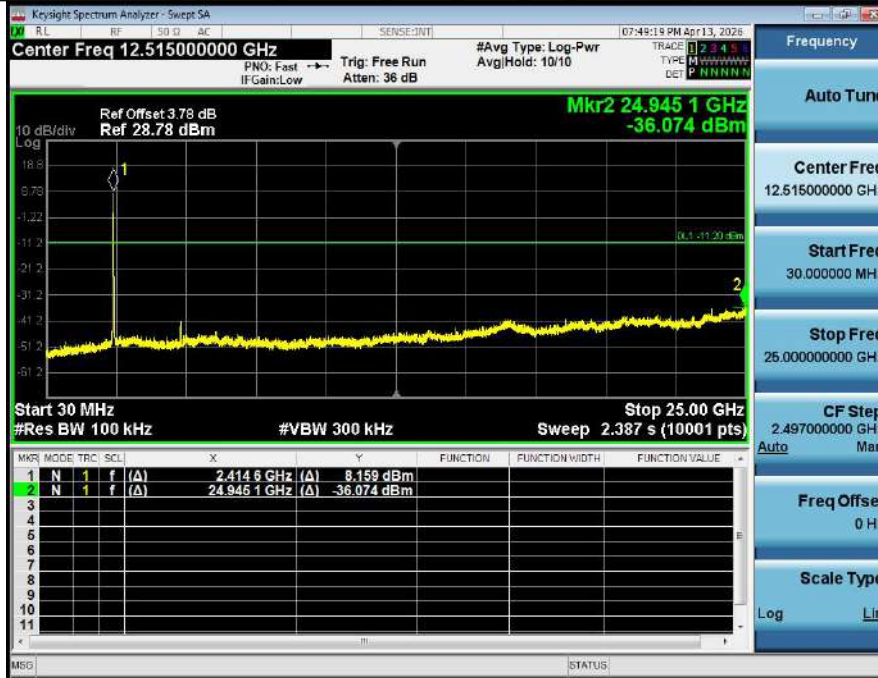
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1 Reference Level NVNT ANT1 802 11n(HT20) 2412



2 Spurious Emission NVNT ANT1 802 11n(HT20) 2412



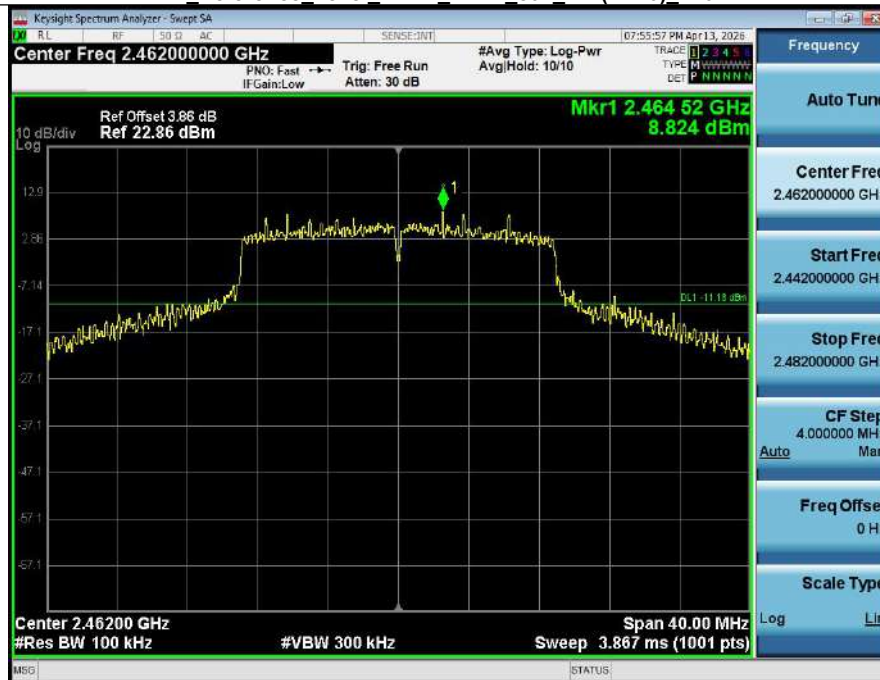
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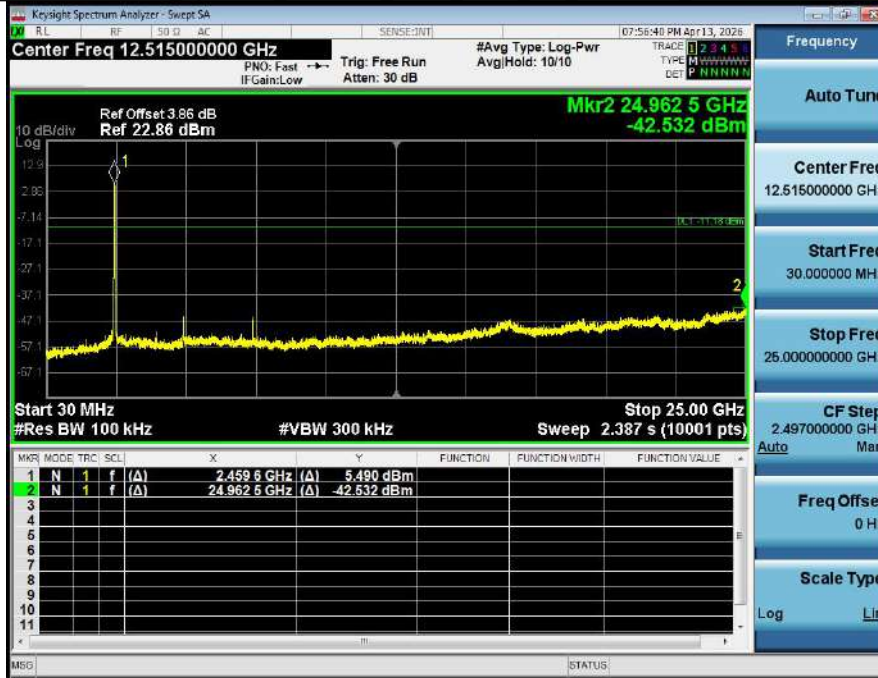
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1 Reference Level NVNT ANT1 802 11n(HT20) 2462



2 Spurious Emission NVNT ANT1 802 11n(HT20) 2462



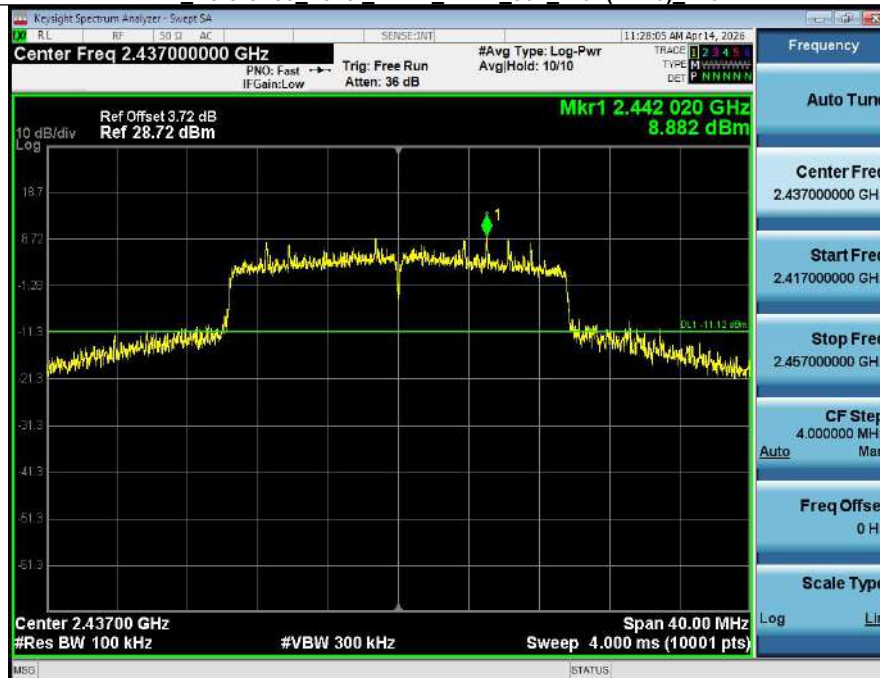
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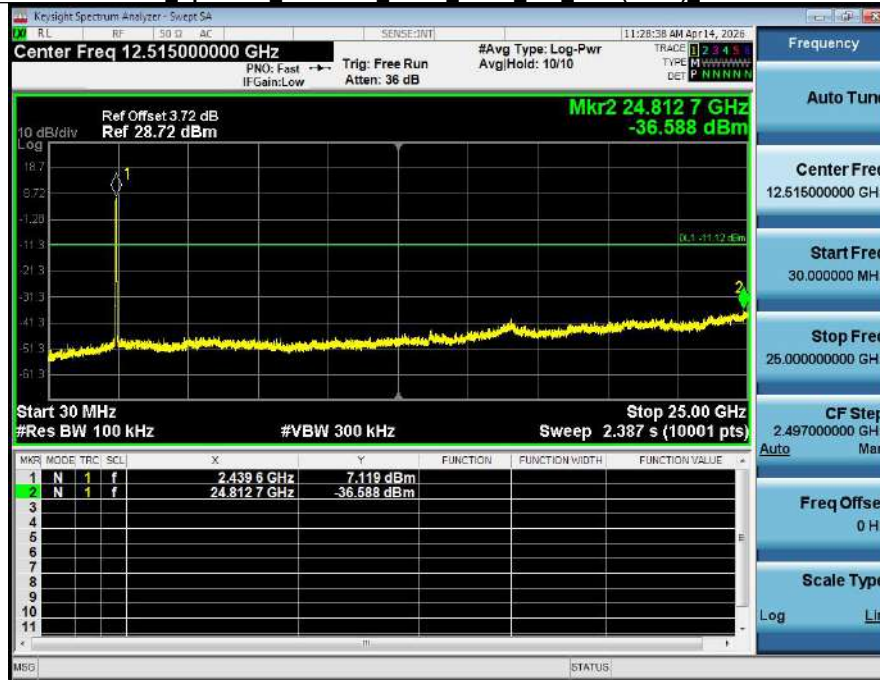
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1 Reference Level NVNT_ANT1_802_11ax(HE20)_2437



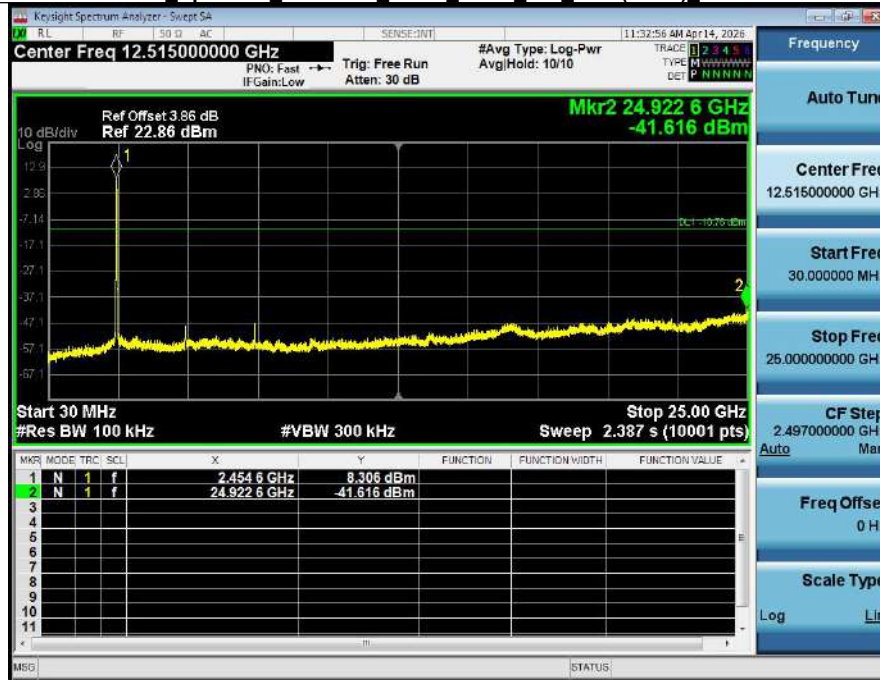
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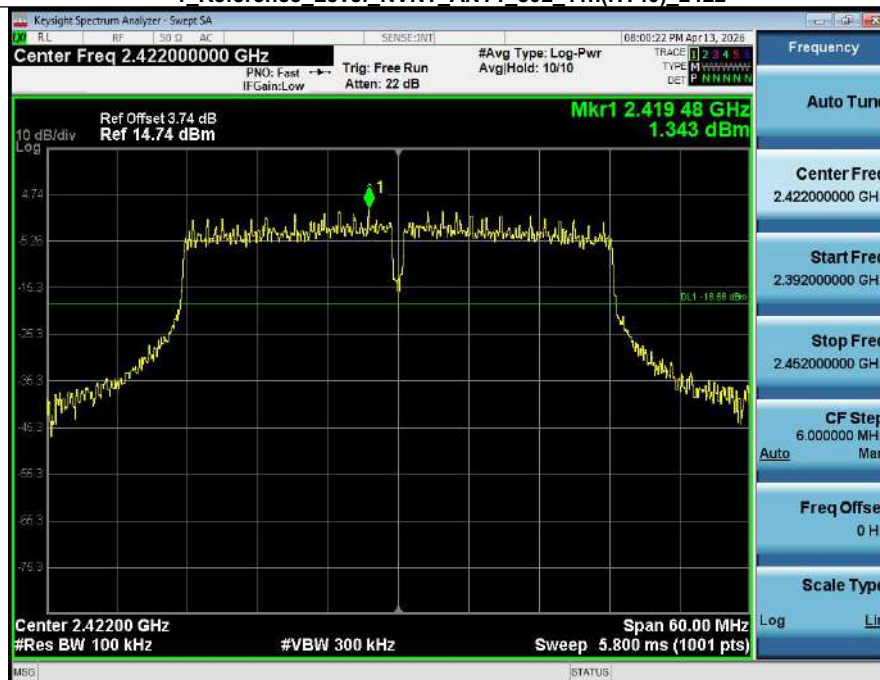
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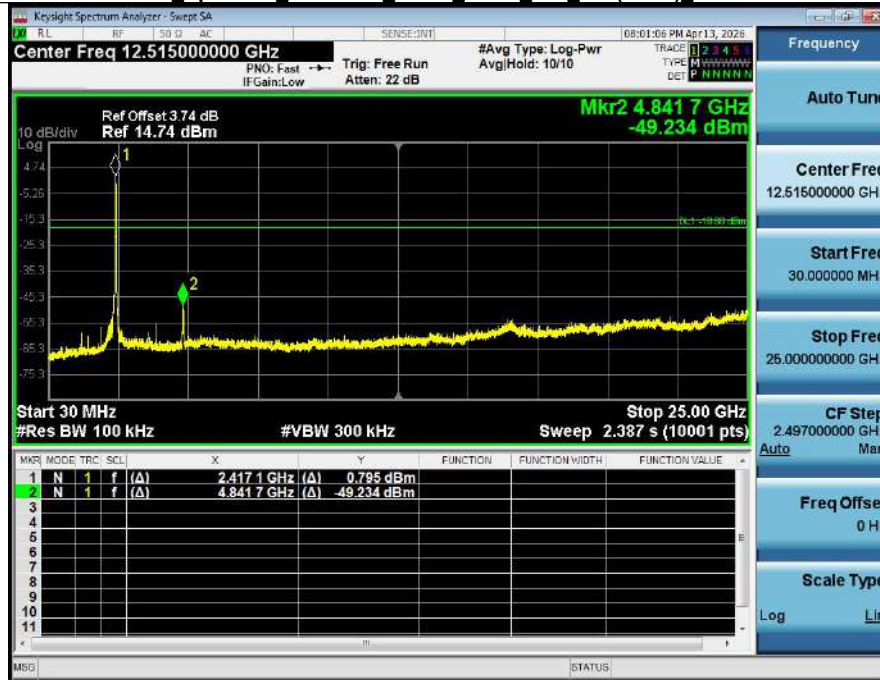
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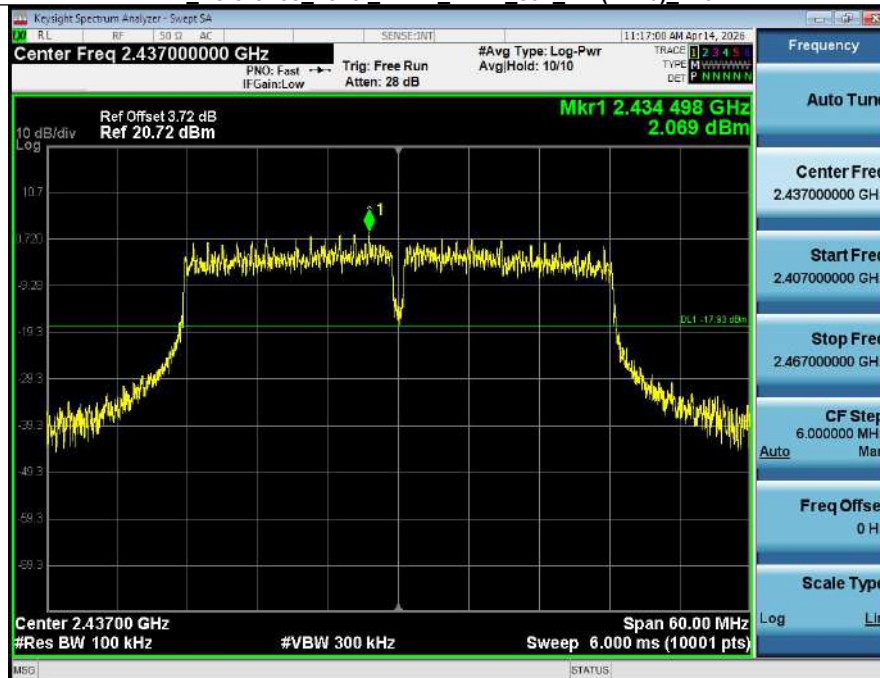
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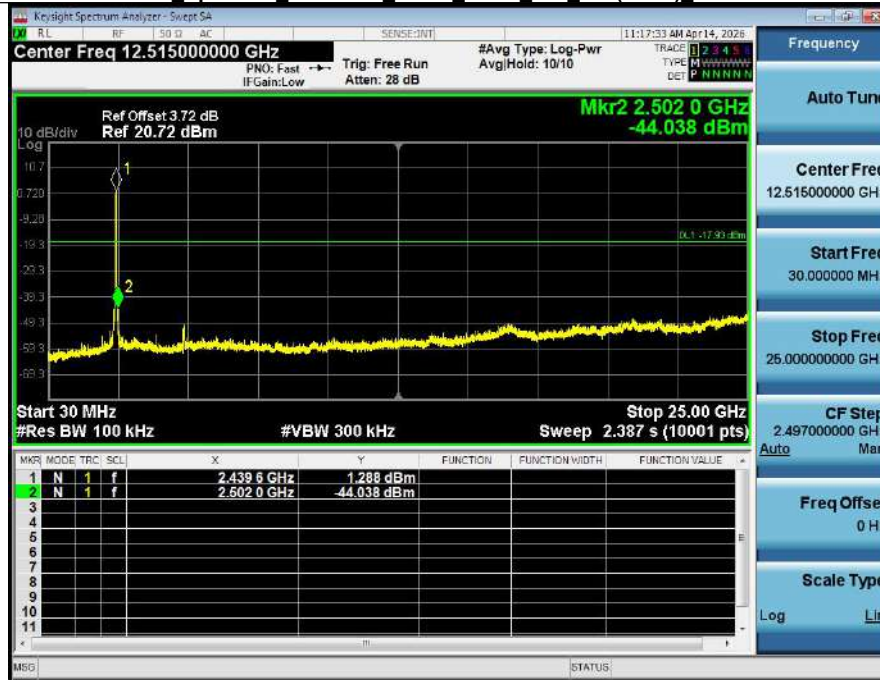
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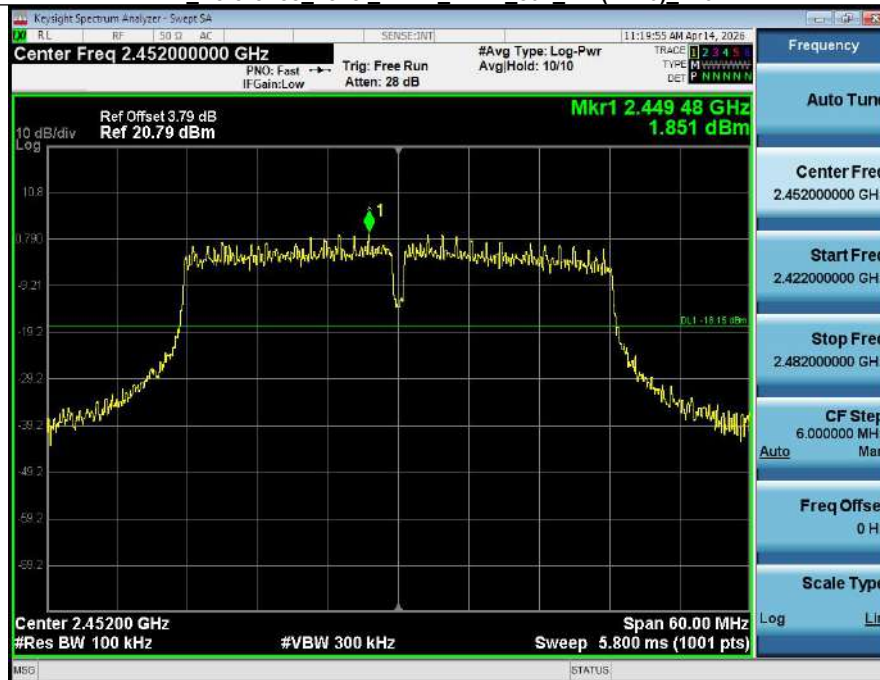
1 Reference Level NVNT ANT1 802 11n(HT40) 2437



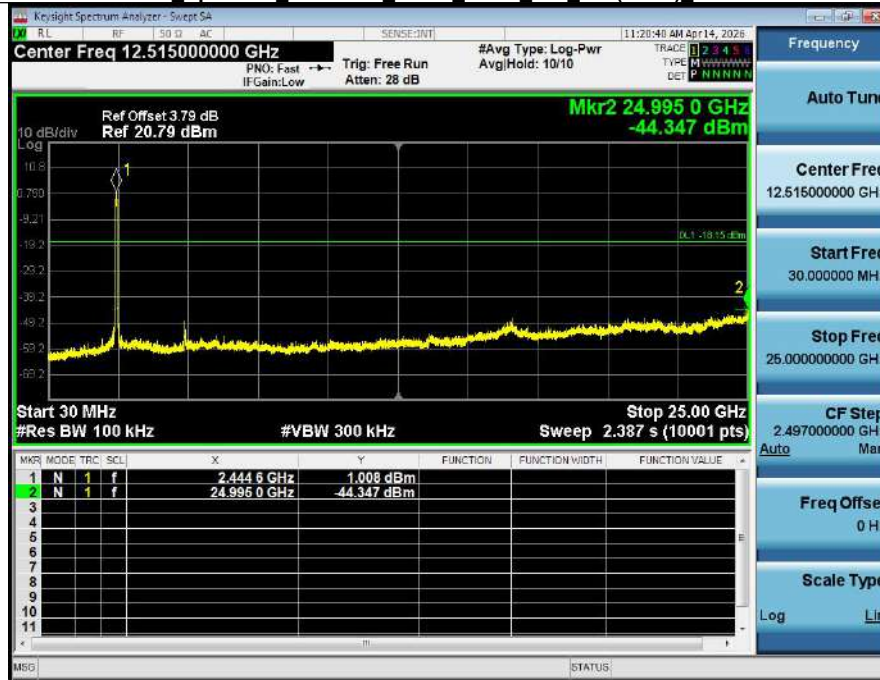
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1 Reference Level NVNT ANT1 802 11n(HT40) 2452



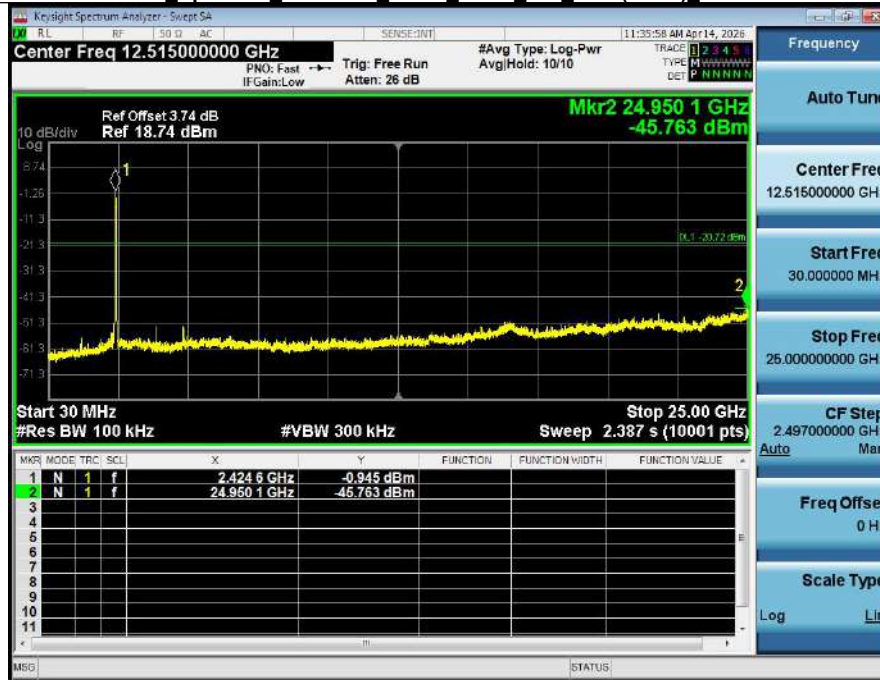
2 Spurious Emission NVNT ANT1 802 11n(HT40) 2452



1 Reference Level NVNT ANT1 802 11ax(HE40) 2422



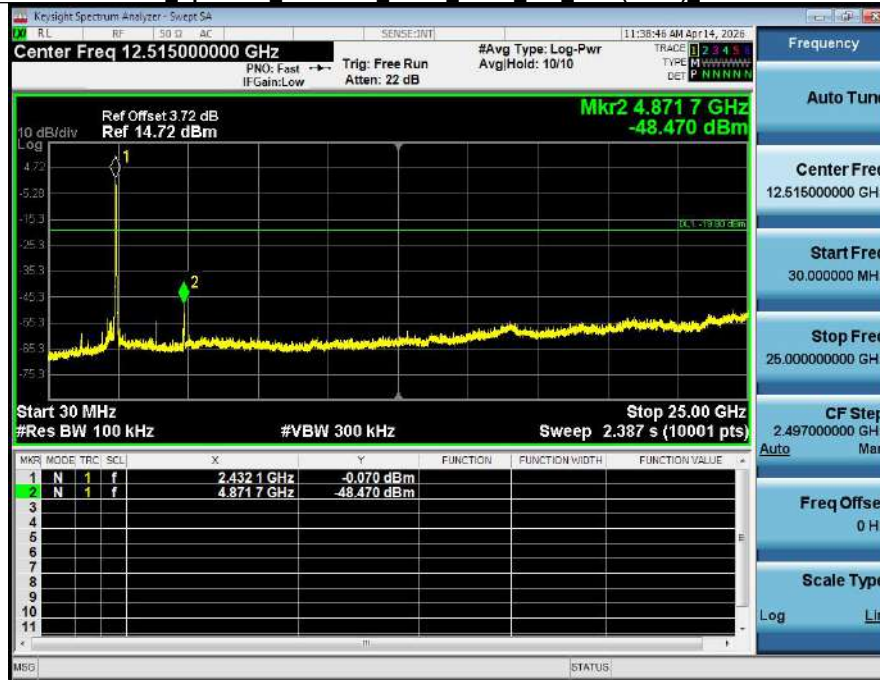
2 Spurious Emission NVNT_ANT1_802_11ax(HE40)_2422



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

