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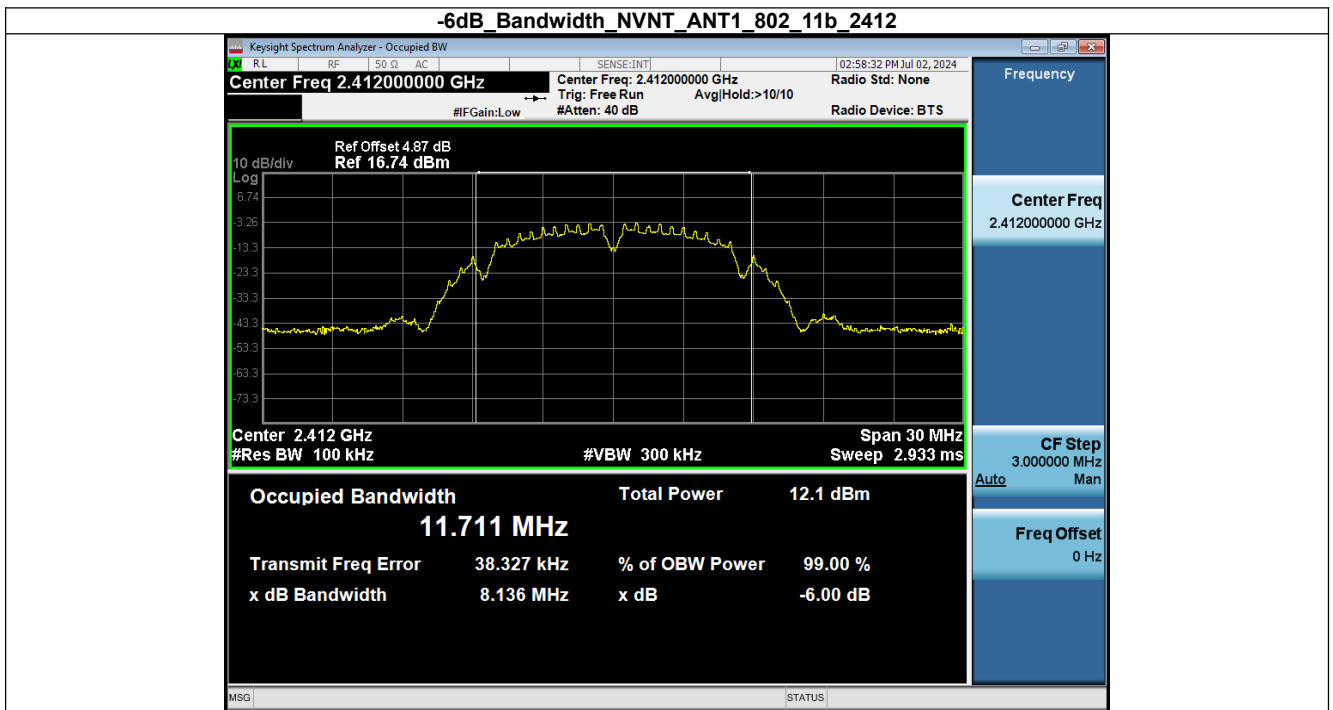
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FCC ID:2BHGC-M30B

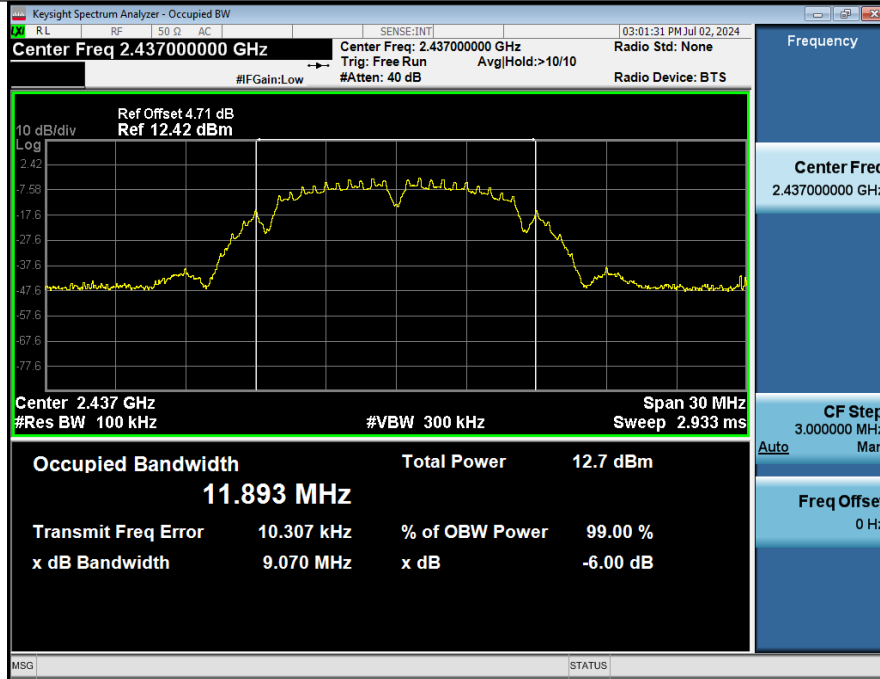
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

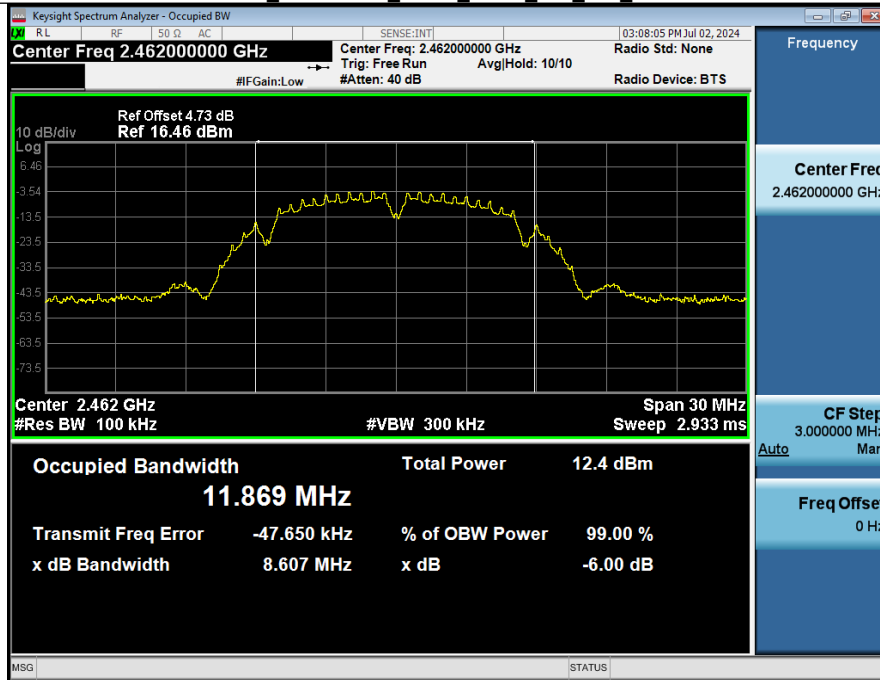
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.14	500	Pass
NVNT	ANT1	802.11b	2437.00	9.07	500	Pass
NVNT	ANT1	802.11b	2462.00	8.61	500	Pass
NVNT	ANT1	802.11g	2412.00	16.08	500	Pass
NVNT	ANT1	802.11g	2437.00	16.15	500	Pass
NVNT	ANT1	802.11g	2462.00	16.10	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	16.90	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.14	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.12	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.84	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.64	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.61	500	Pass



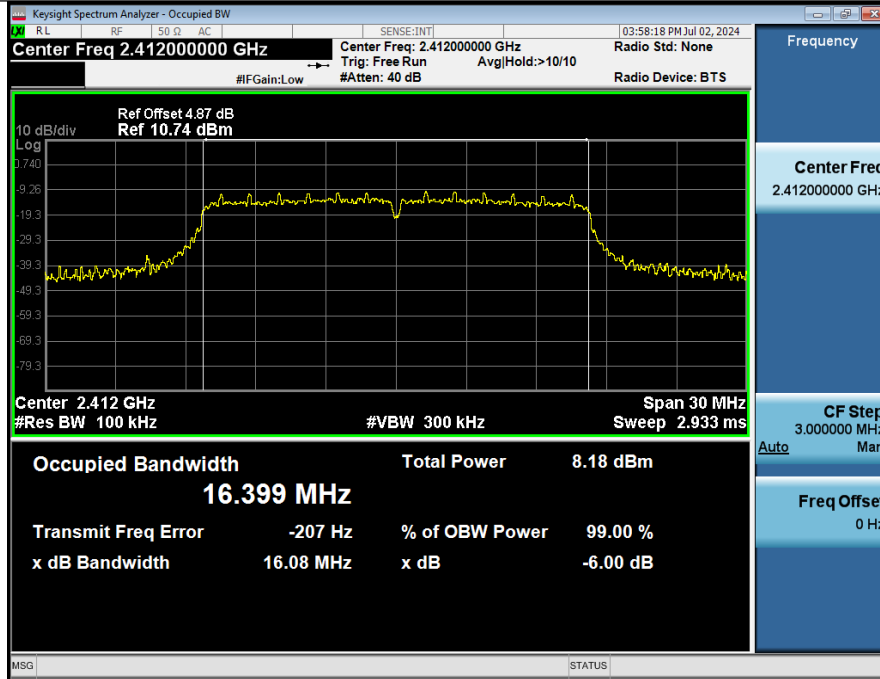
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



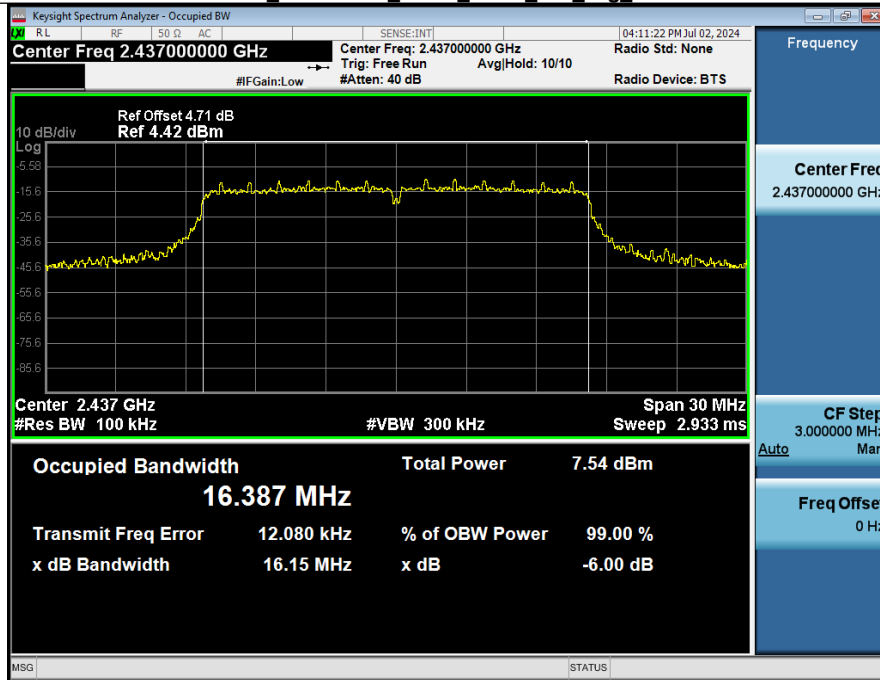
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



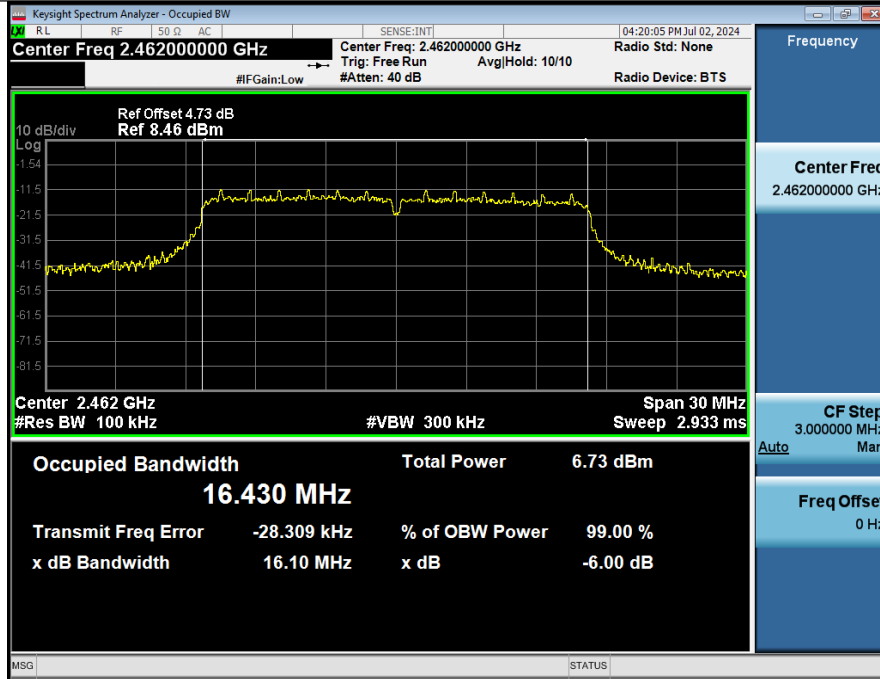
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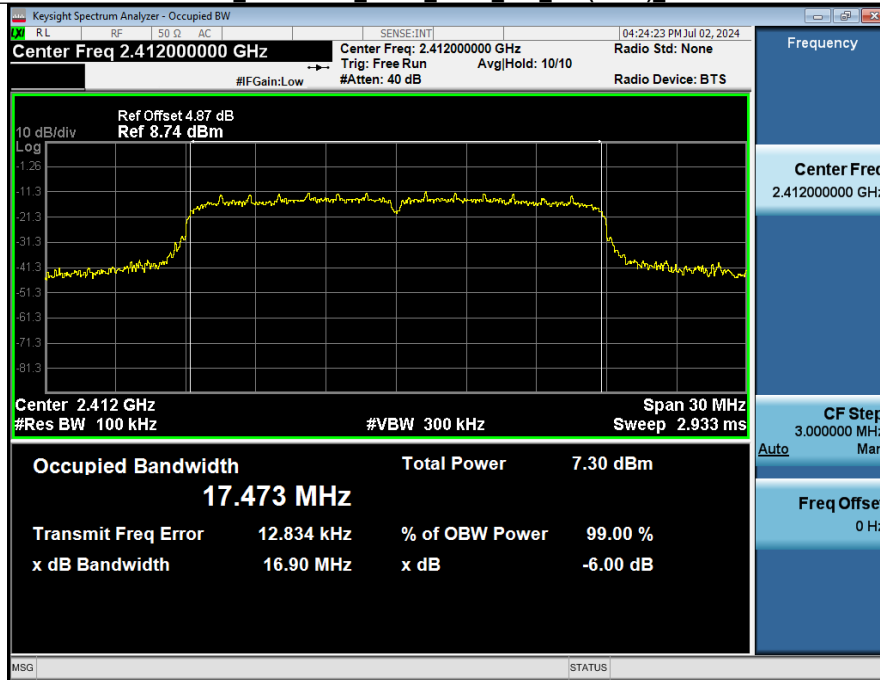
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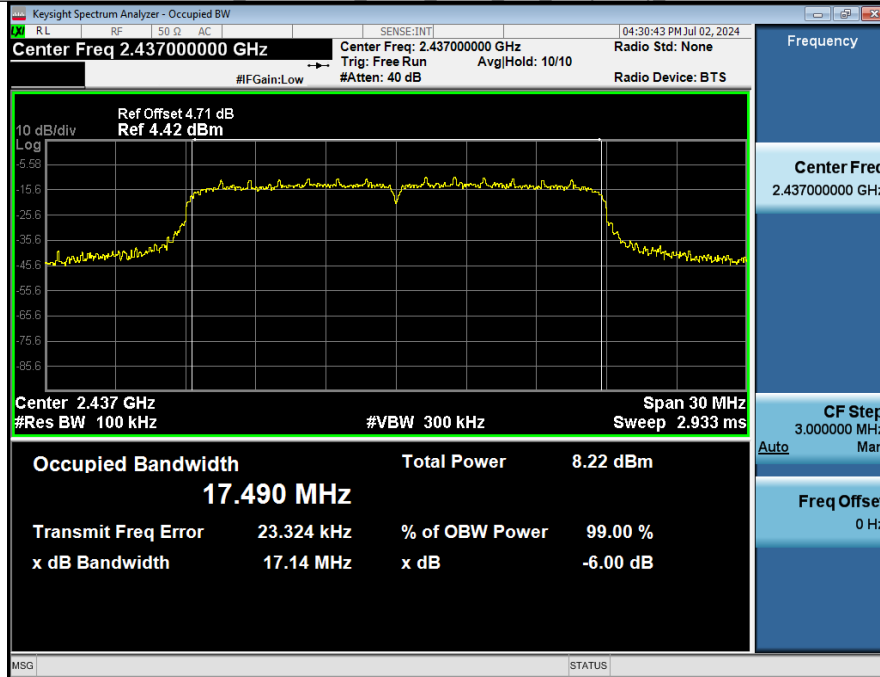
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



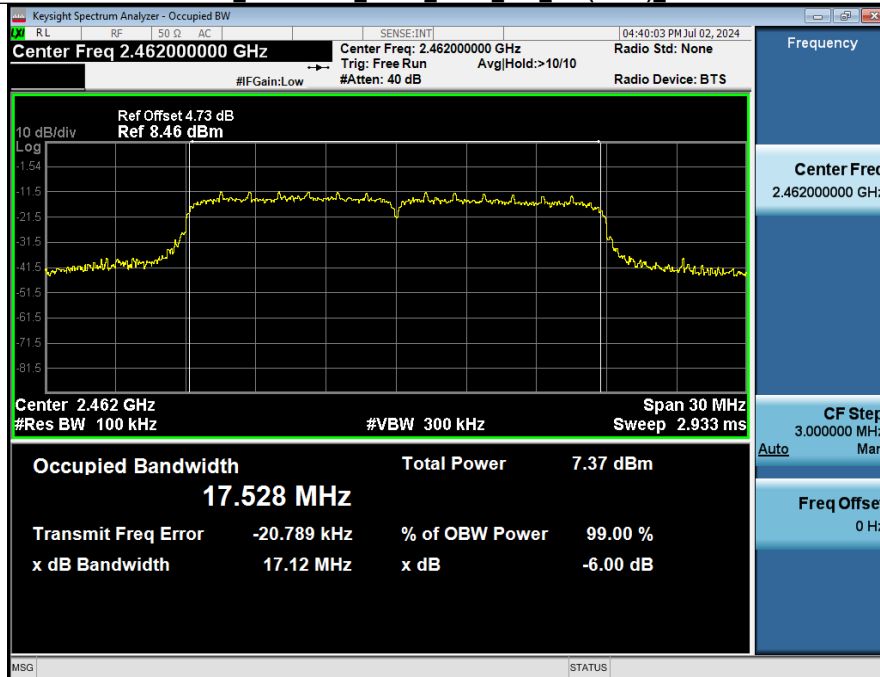
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



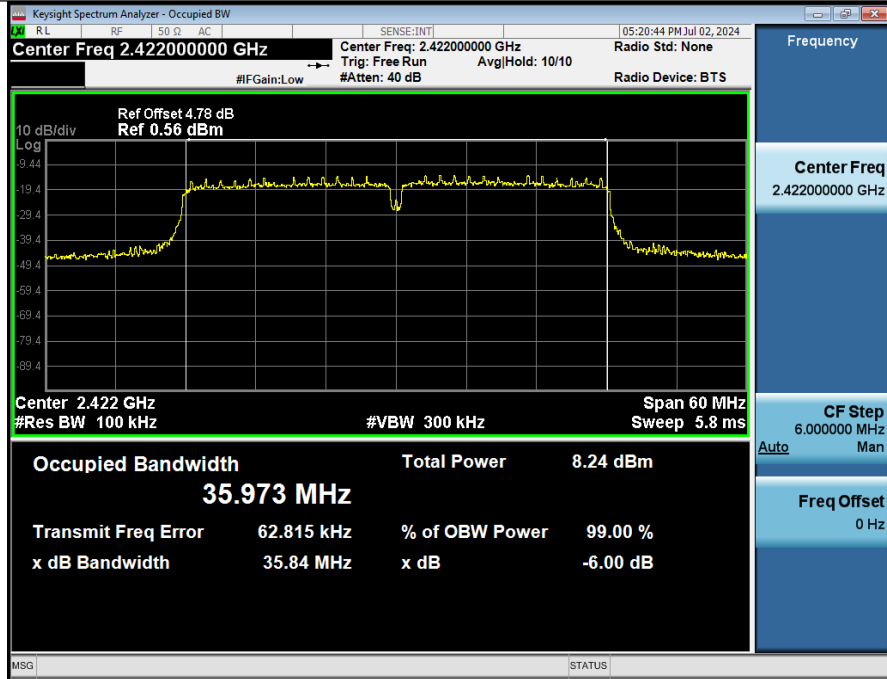
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



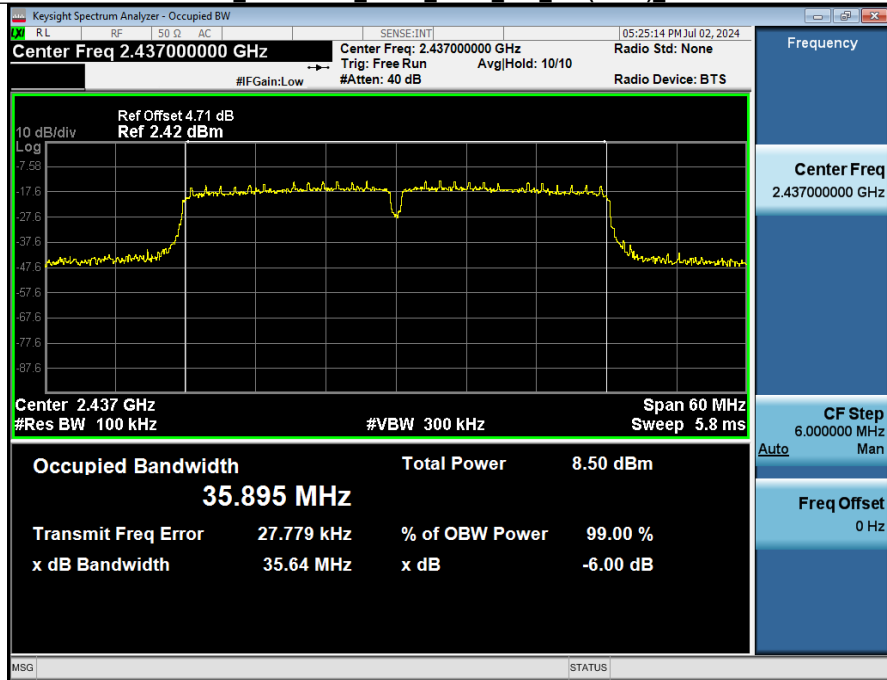
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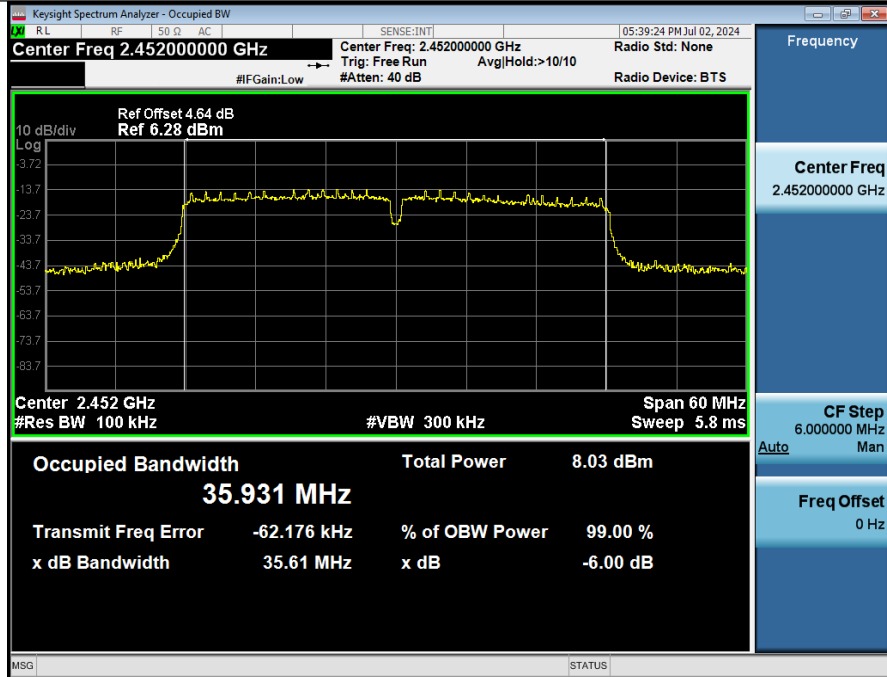
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-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

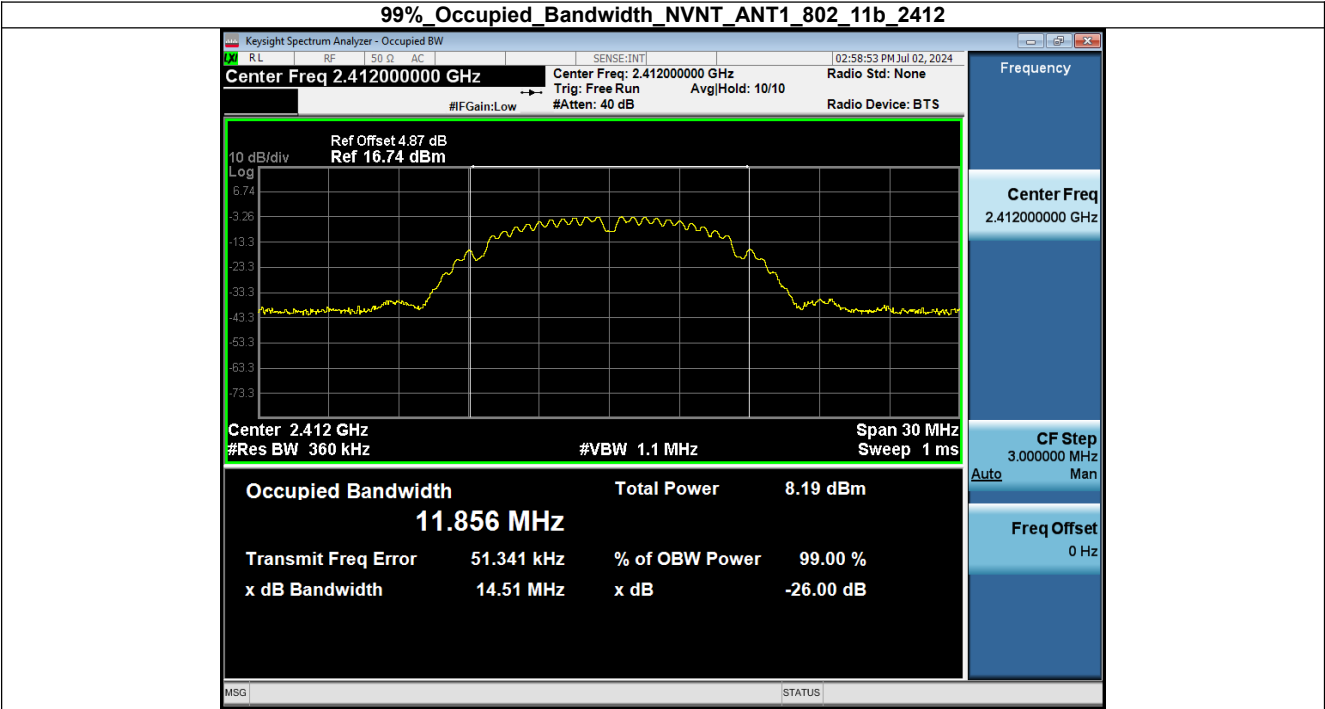


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

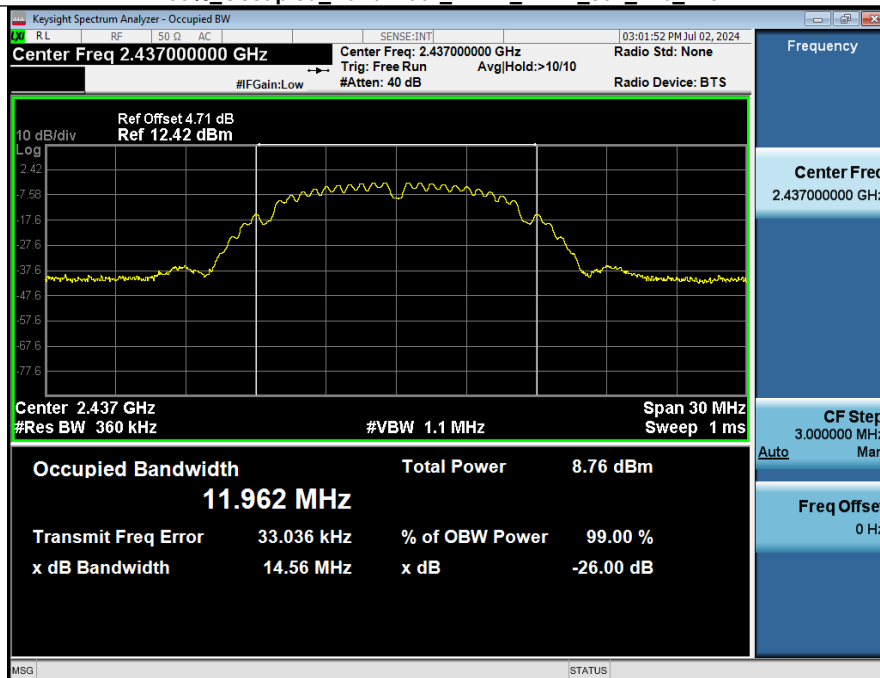


2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	11.856
NVNT	ANT1	802.11b	2437.00	11.962
NVNT	ANT1	802.11b	2462.00	11.973
NVNT	ANT1	802.11g	2412.00	17.003
NVNT	ANT1	802.11g	2437.00	16.997
NVNT	ANT1	802.11g	2462.00	17.148
NVNT	ANT1	802.11n(HT20)	2412.00	17.724
NVNT	ANT1	802.11n(HT20)	2437.00	17.717
NVNT	ANT1	802.11n(HT20)	2462.00	17.875
NVNT	ANT1	802.11n(HT40)	2422.00	36.459
NVNT	ANT1	802.11n(HT40)	2437.00	36.289
NVNT	ANT1	802.11n(HT40)	2452.00	36.361



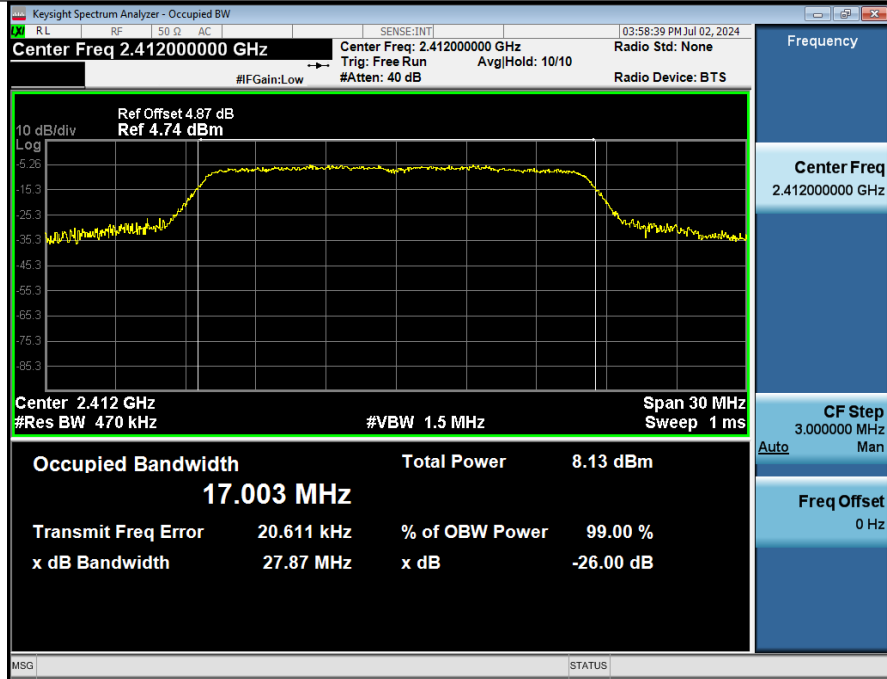
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



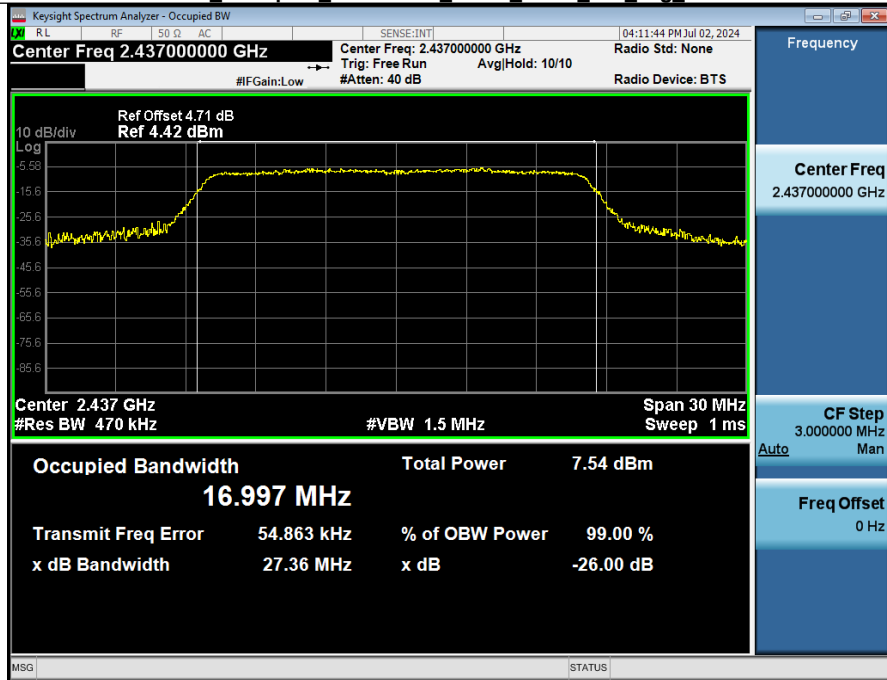
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



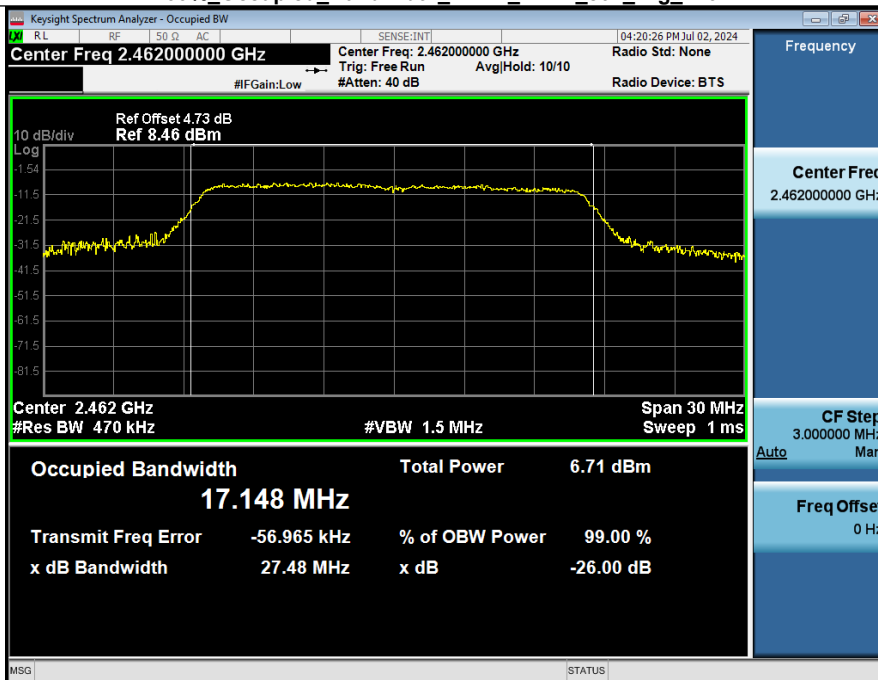
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



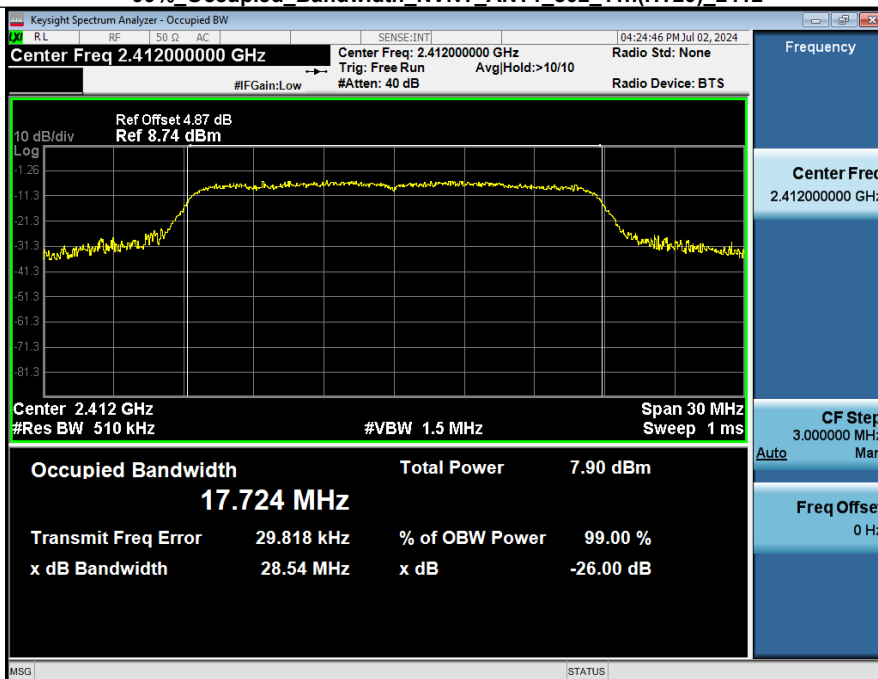
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437

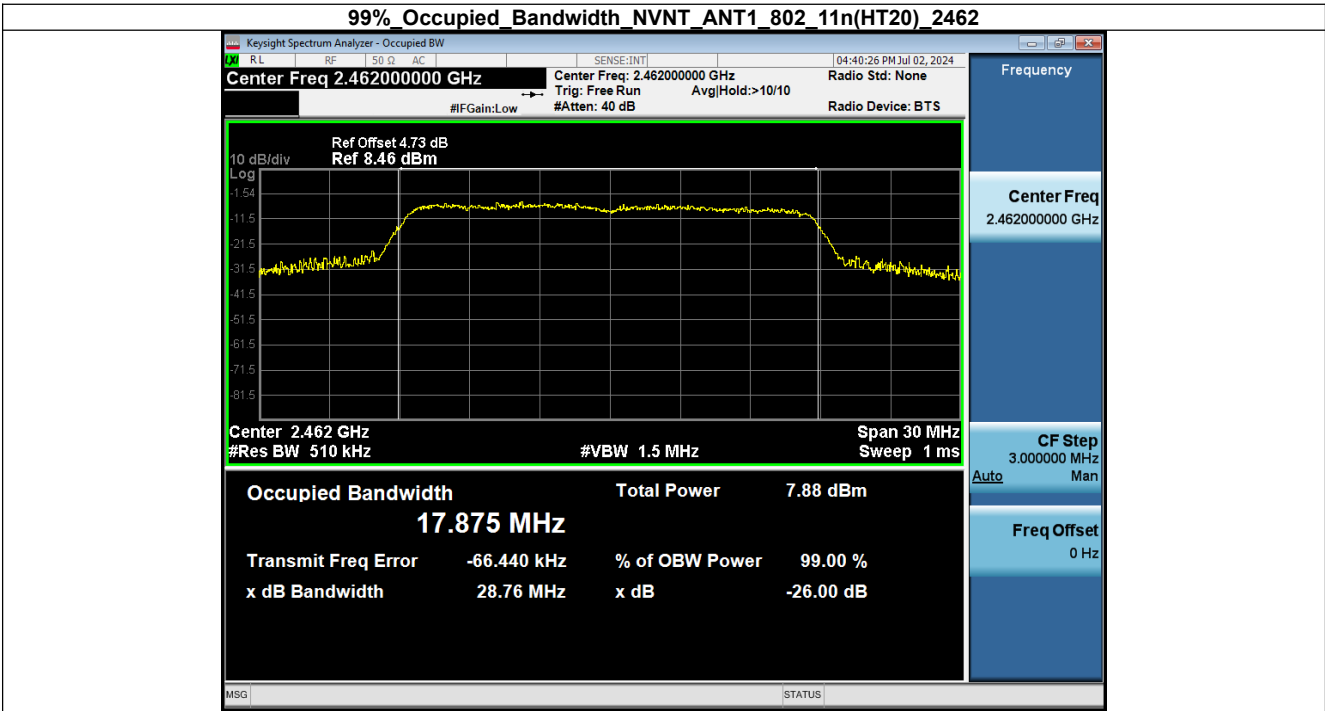
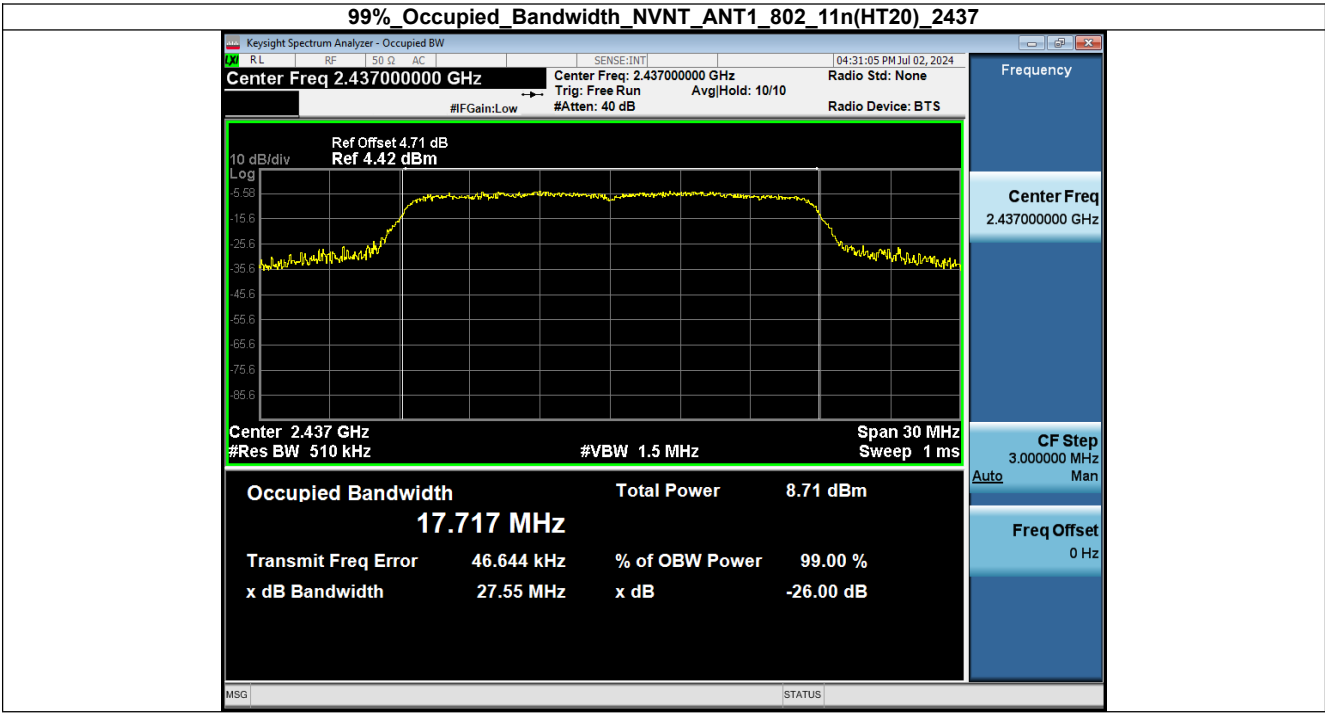


99% Occupied Bandwidth NVNT_ANT1_802_11g_2462

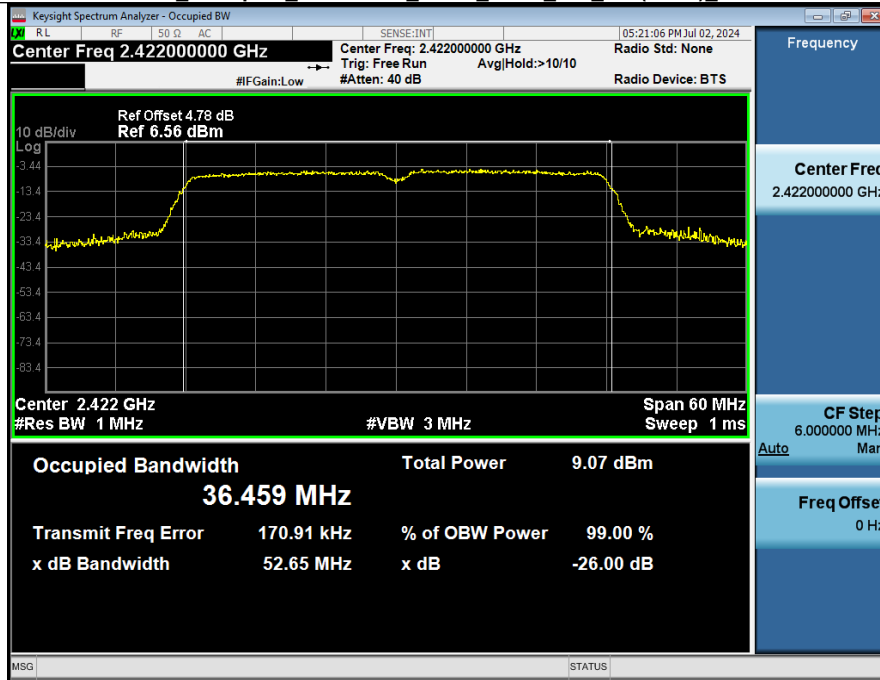


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412

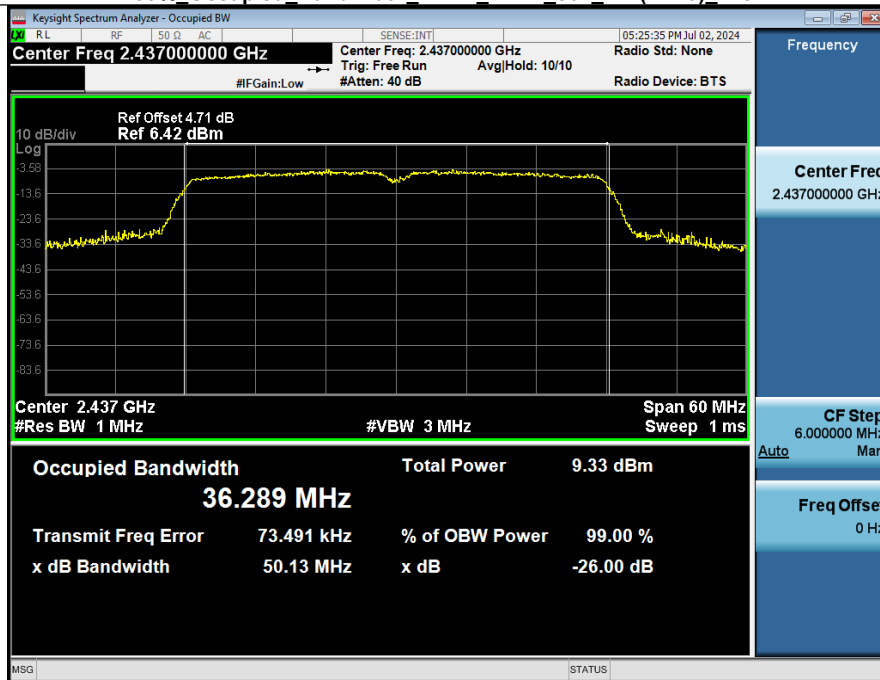


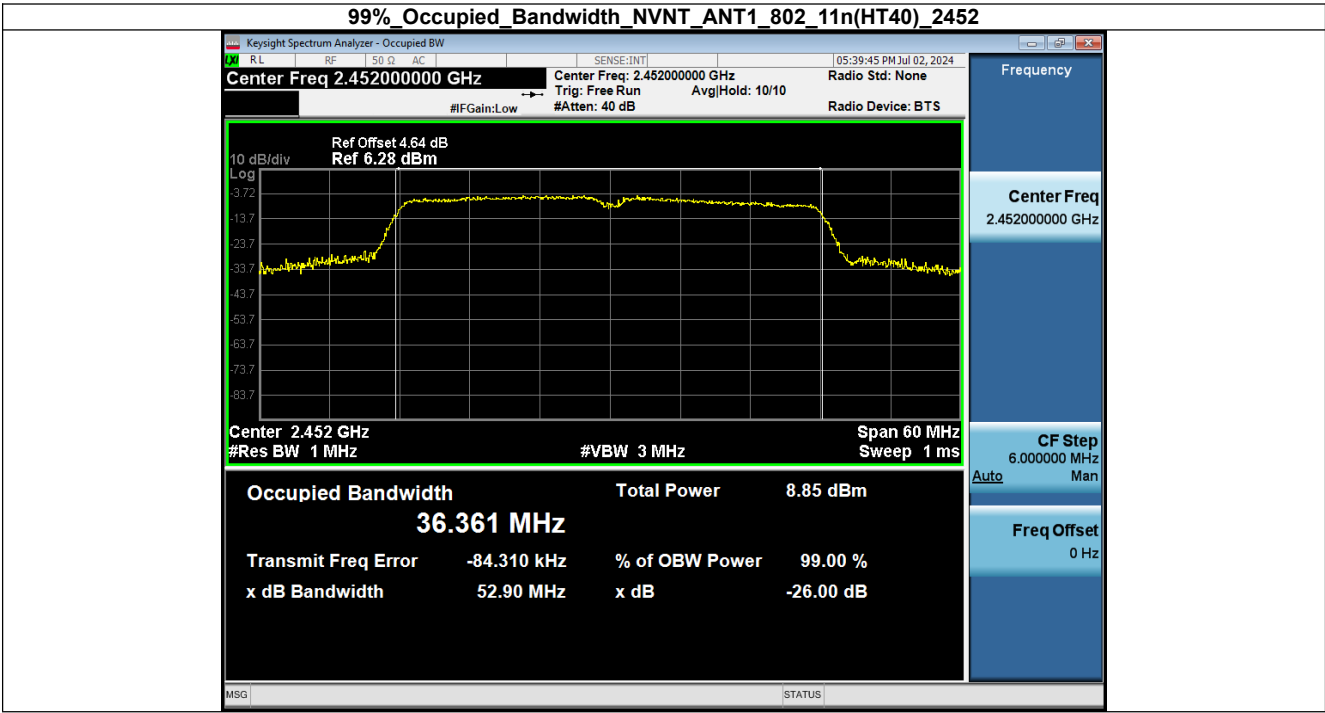


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT40)_2422



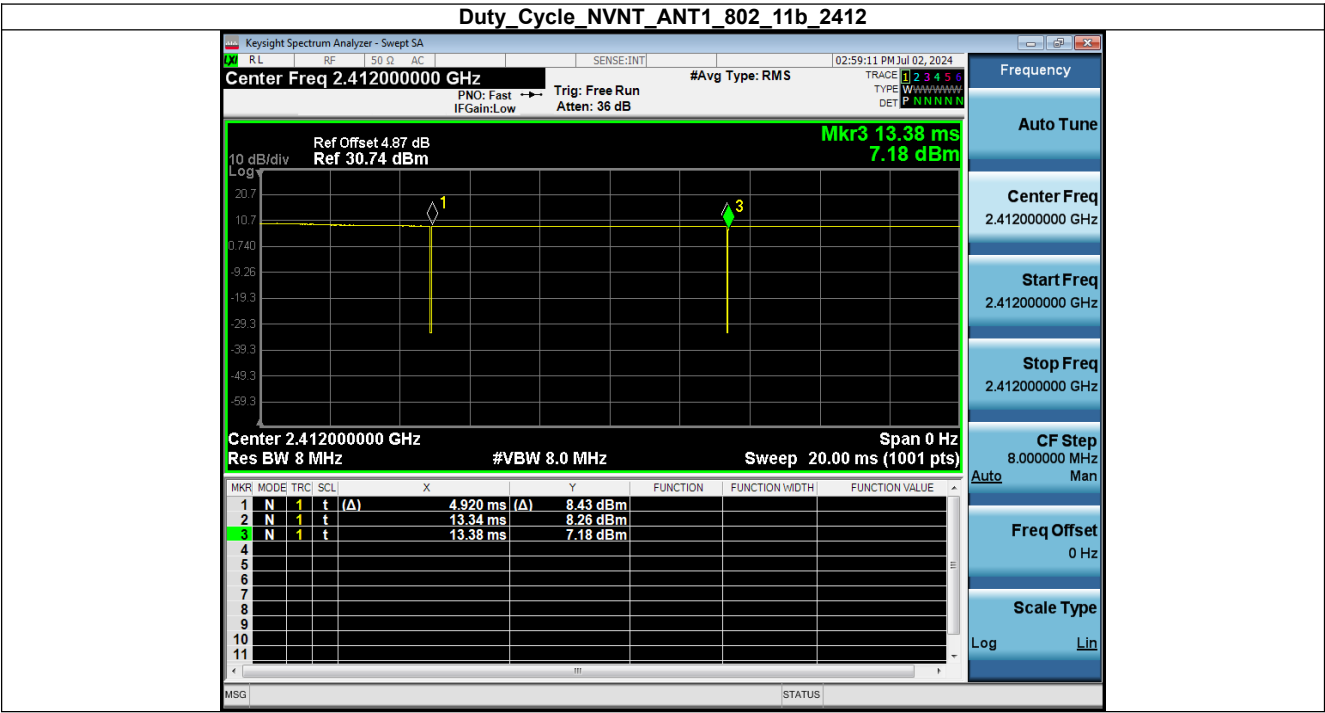
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT40)_2437



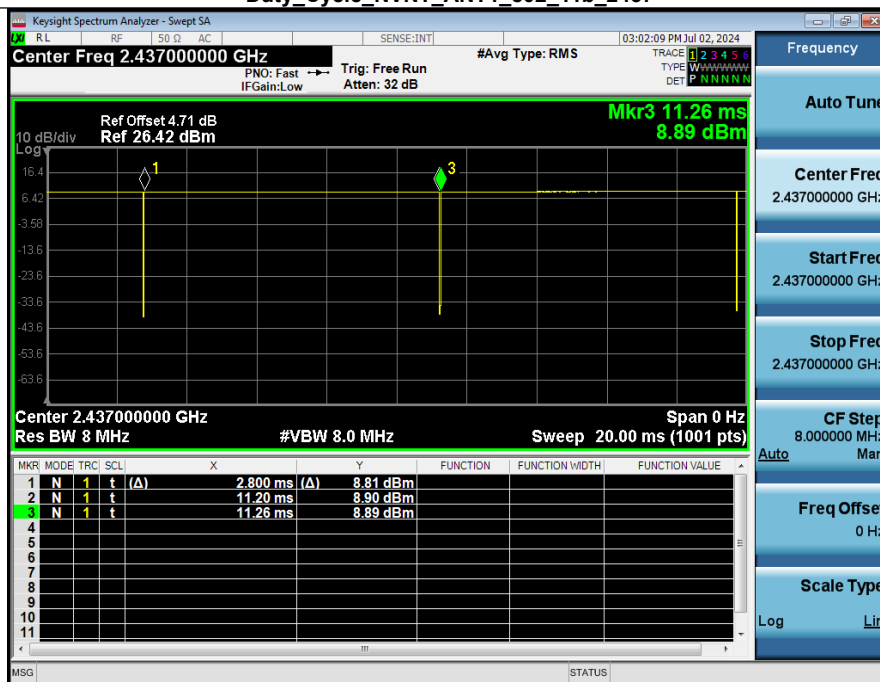


3. Duty Cycle

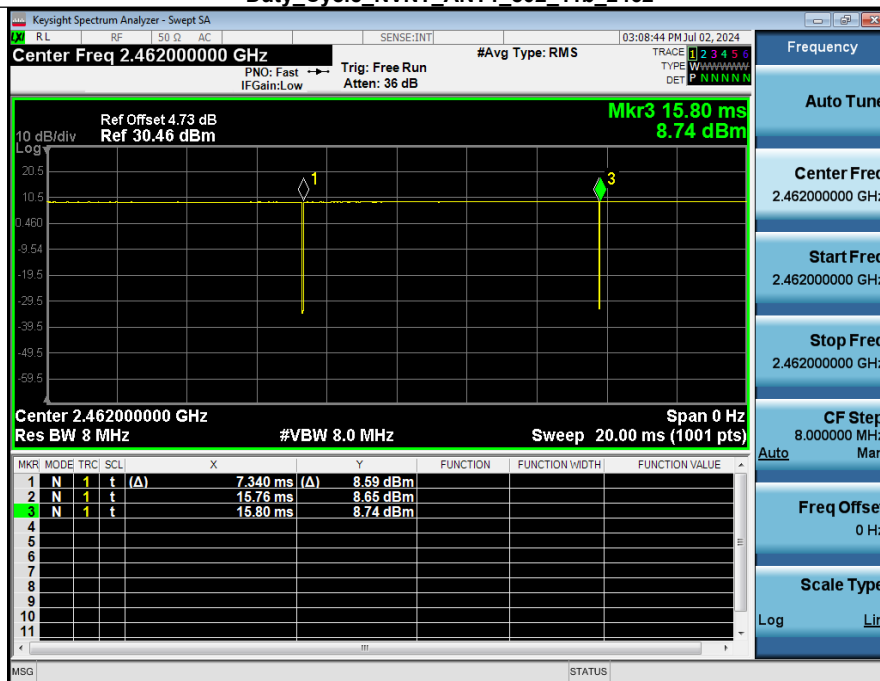
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.76	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.76	0.00
NVNT	ANT1	802.11g	2412.00	97.26	0.12
NVNT	ANT1	802.11g	2437.00	97.26	0.12
NVNT	ANT1	802.11g	2462.00	97.22	0.12
NVNT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



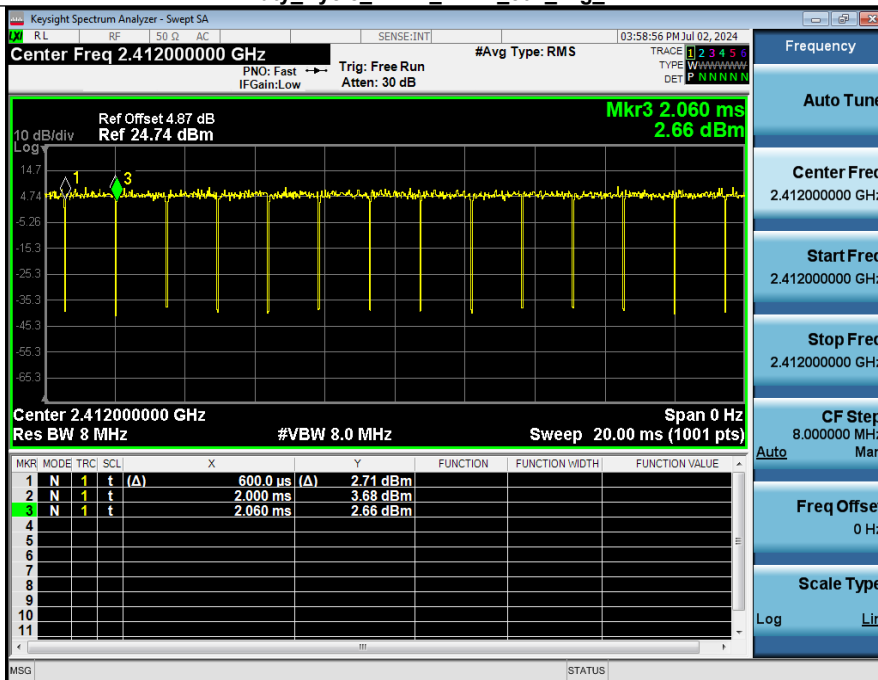
Duty Cycle NVNT_ANT1_802_11b_2437



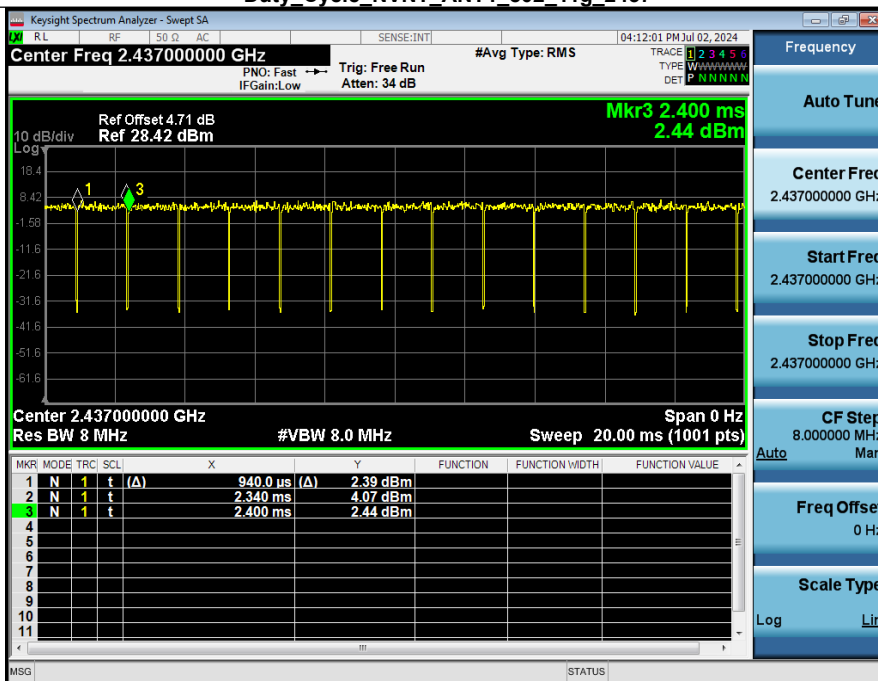
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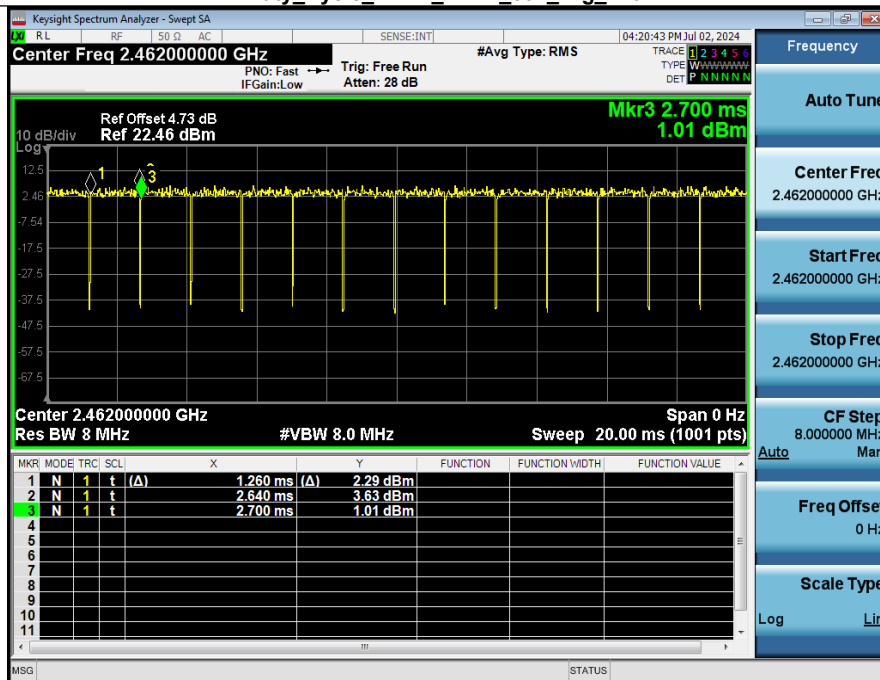
Duty Cycle NVNT_ANT1_802_11g_2412



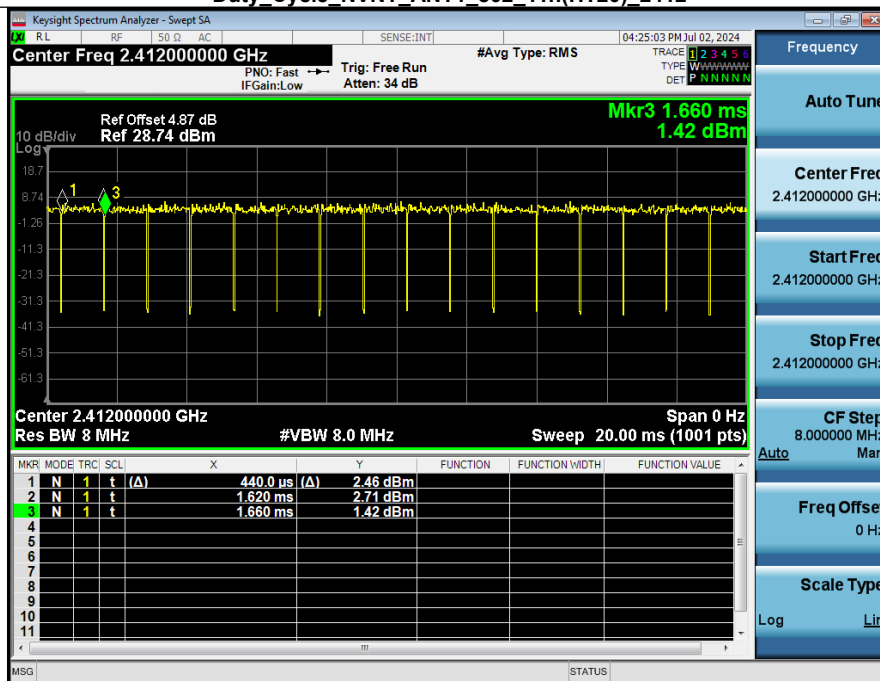
Duty Cycle NVNT_ANT1_802_11g_2437



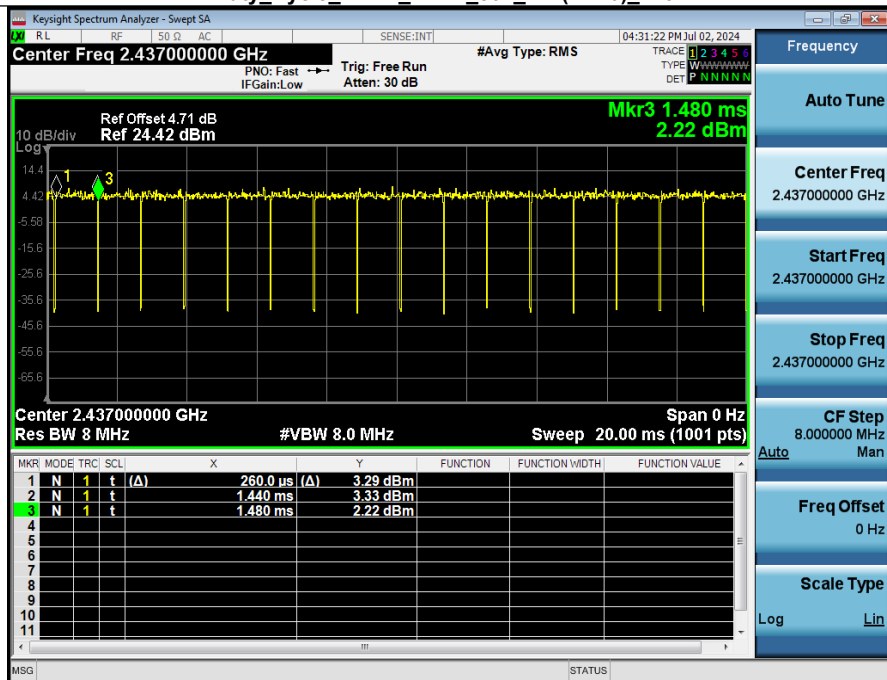
Duty Cycle NVNT_ANT1_802_11g_2462



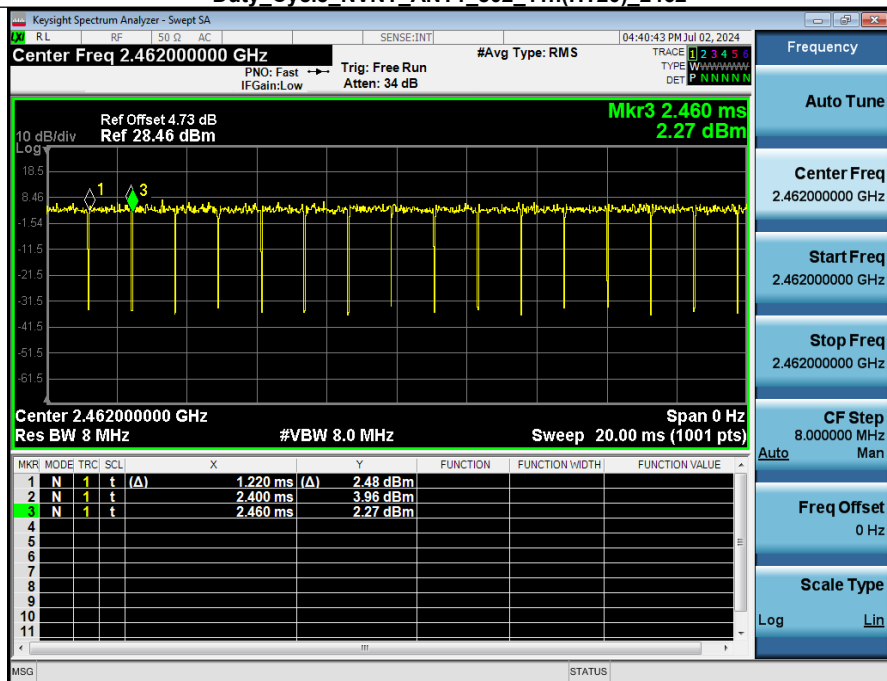
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



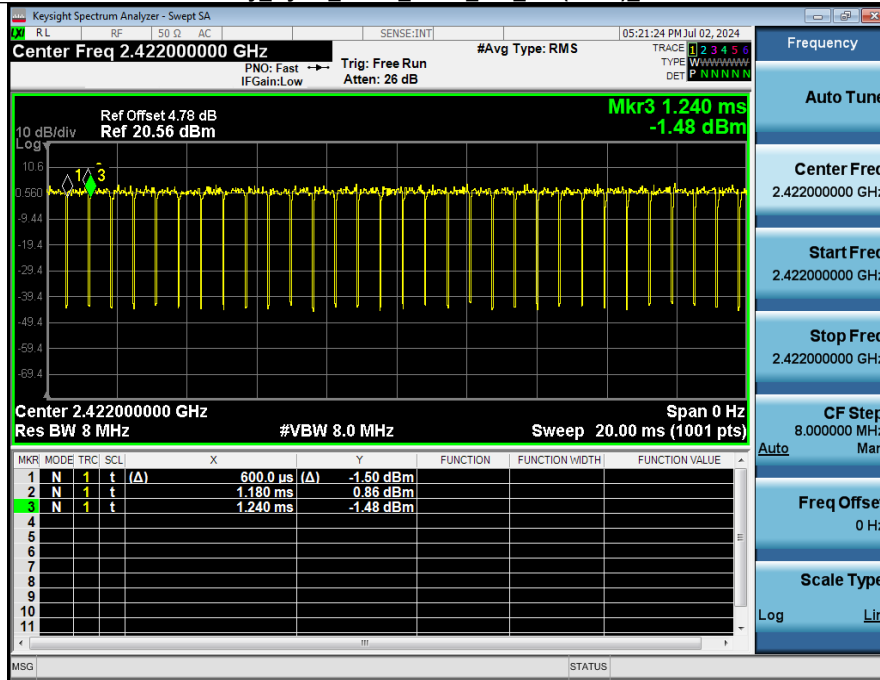
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



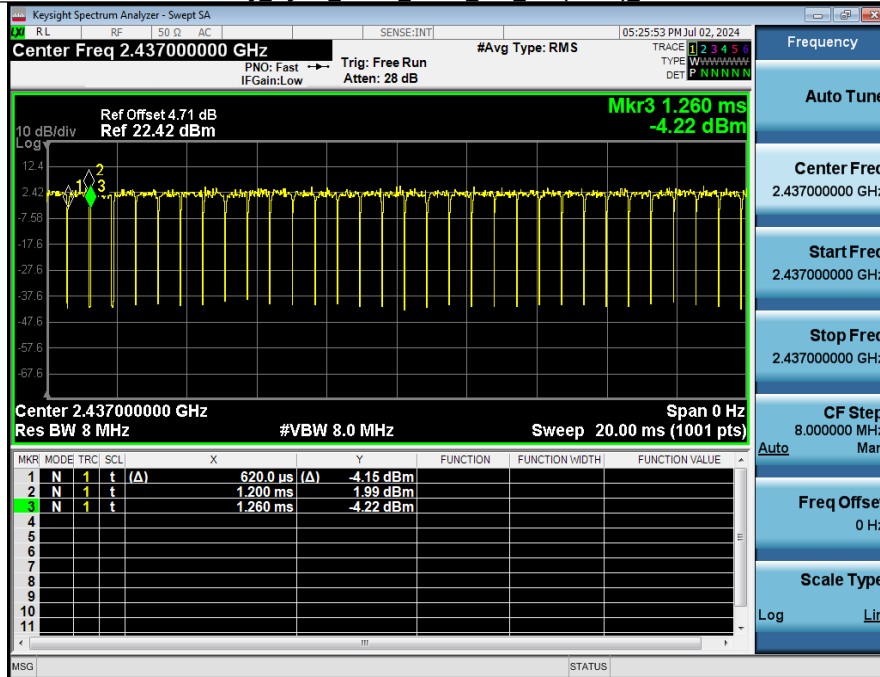
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



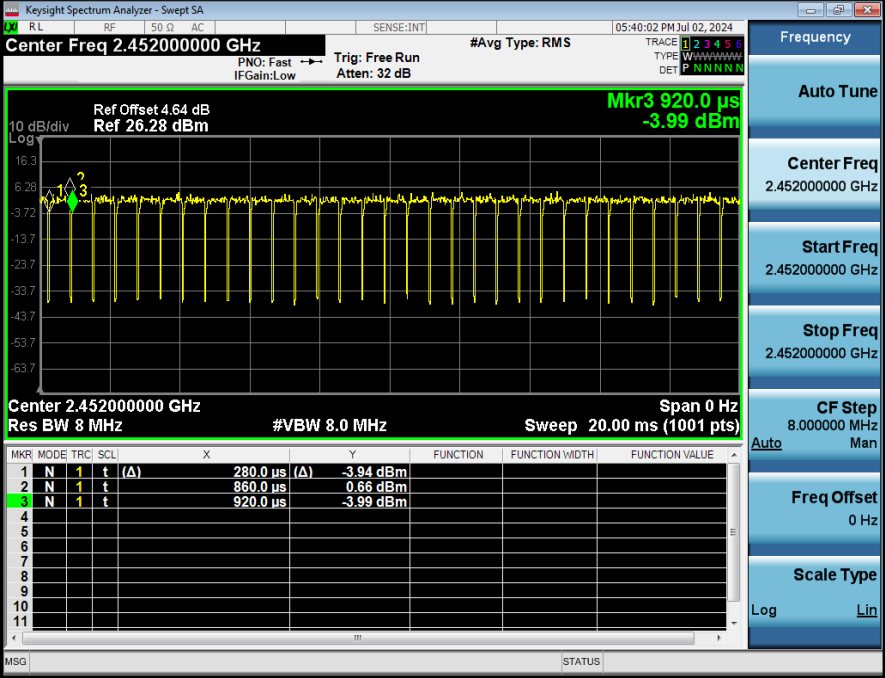
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437

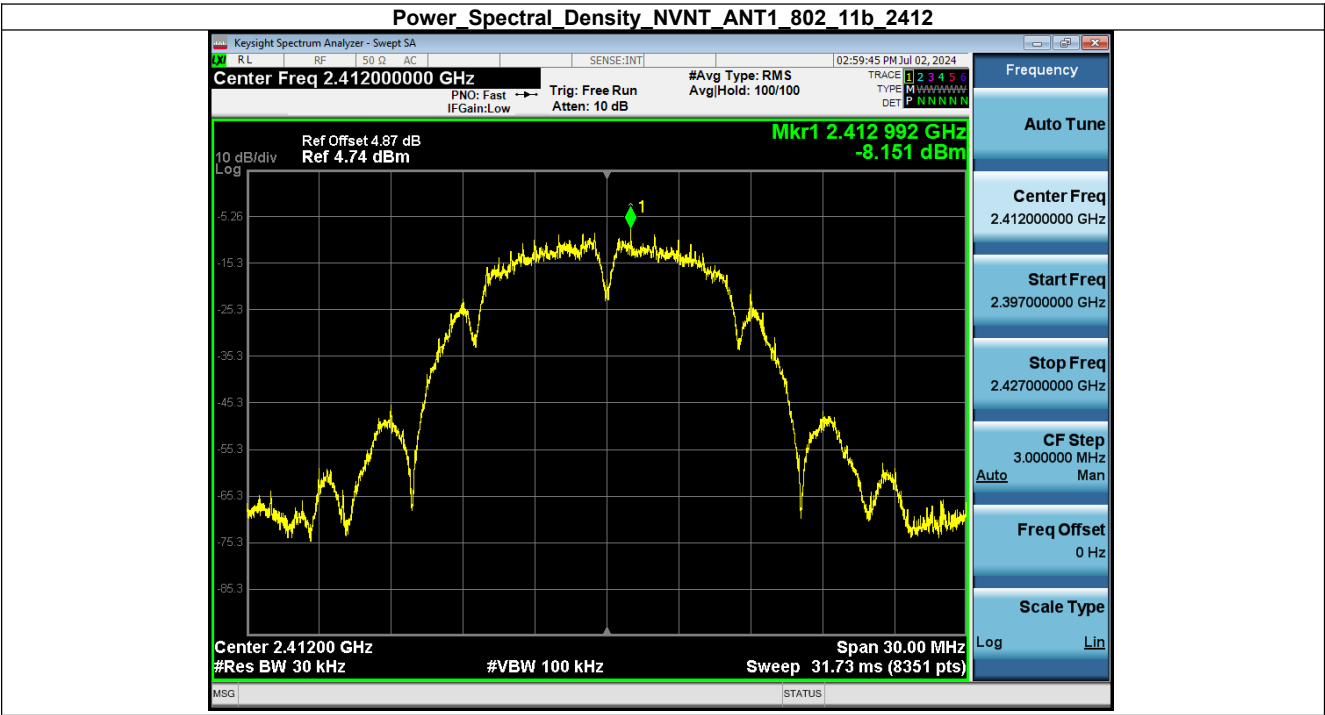


Duty Cycle NVNT_ANT1_802_11n(HT40)_2452



5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-8.15	-10.00	-18.15	8	Pass
NVNT	ANT1	802.11b	2437.00	-7.14	-10.00	-17.14	8	Pass
NVNT	ANT1	802.11b	2462.00	-6.29	-10.00	-16.29	8	Pass
NVNT	ANT1	802.11g	2412.00	-14.37	-10.00	-24.37	8	Pass
NVNT	ANT1	802.11g	2437.00	-14.72	-10.00	-24.72	8	Pass
NVNT	ANT1	802.11g	2462.00	-15.51	-10.00	-25.51	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-15.65	-10.00	-25.65	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-15.44	-10.00	-25.44	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-15.92	-10.00	-25.92	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-18.16	-10.00	-28.16	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-18.20	-10.00	-28.20	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-18.20	-10.00	-28.20	8	Pass



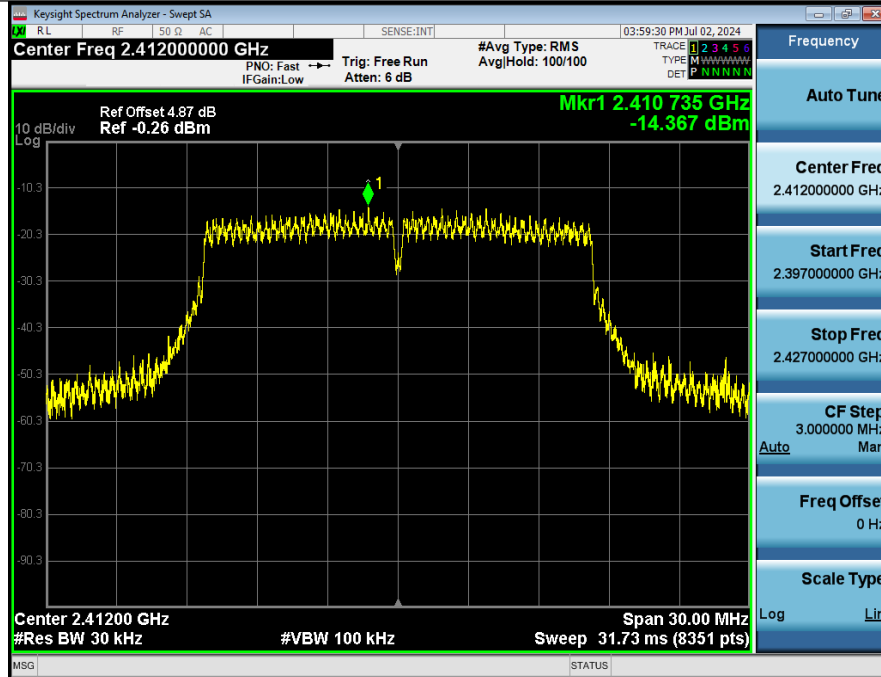
Power Spectral Density NVNT_ANT1_802_11b_2437



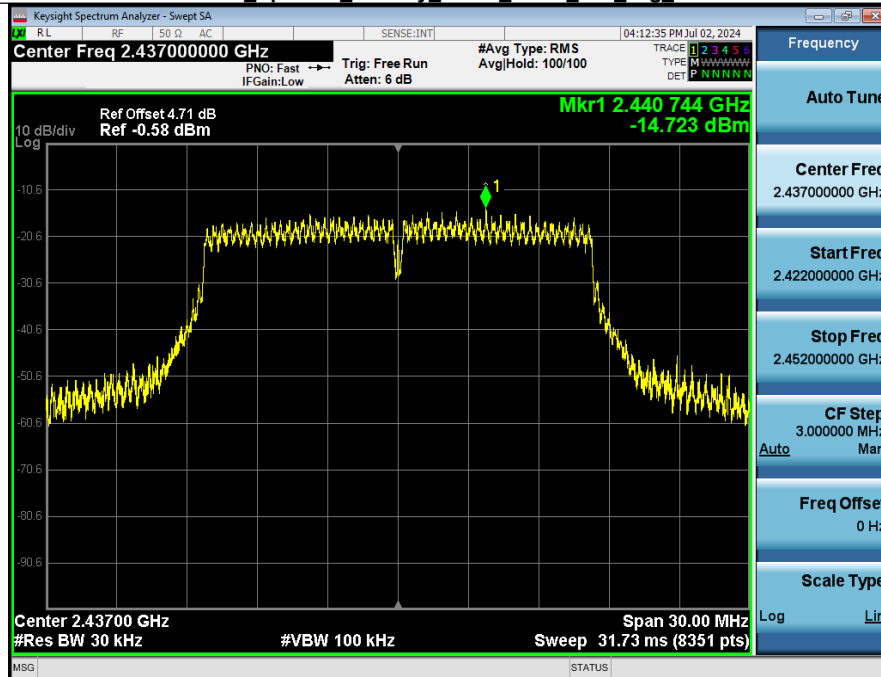
Power Spectral Density NVNT_ANT1_802_11b_2462



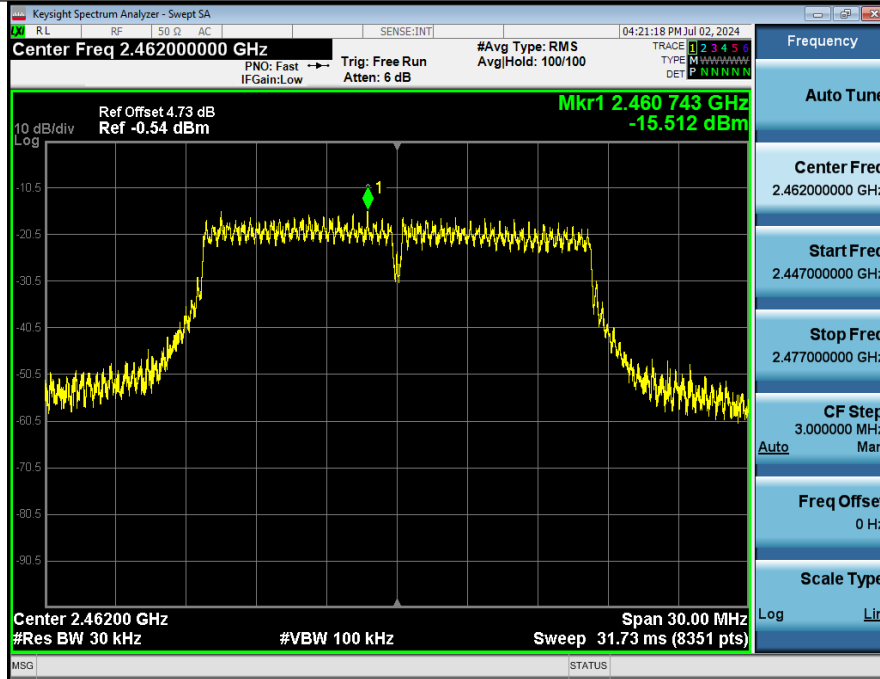
Power Spectral Density NVNT_ANT1_802_11g_2412



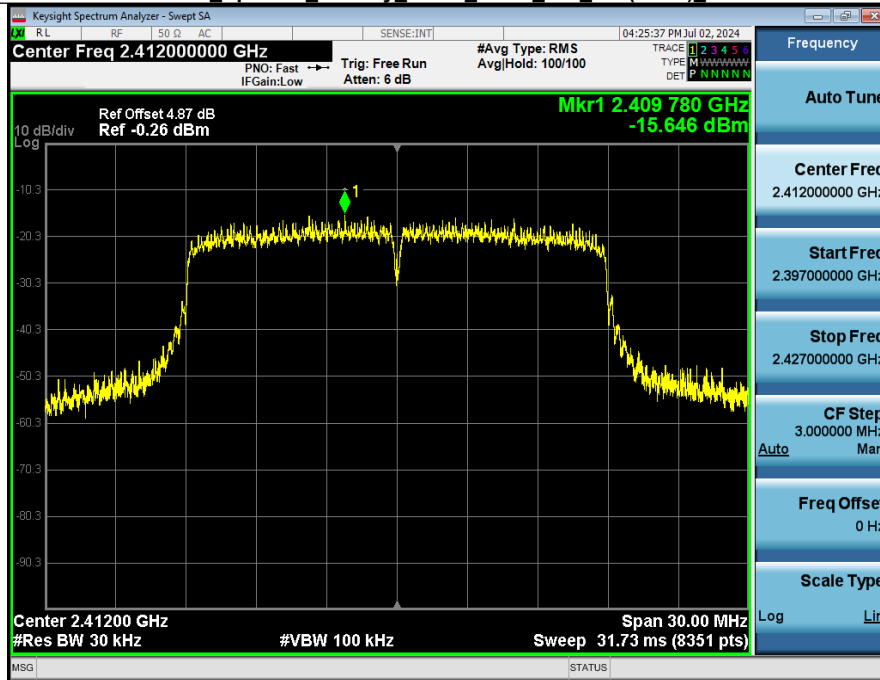
Power Spectral Density NVNT_ANT1_802_11g_2437



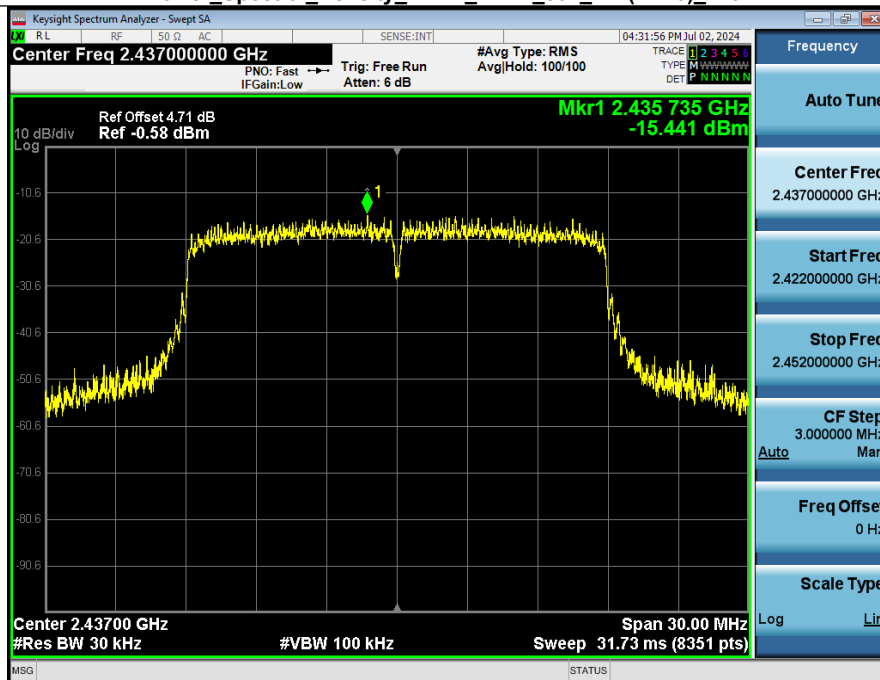
Power Spectral Density_NVNT_ANT1_802_11g_2462



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



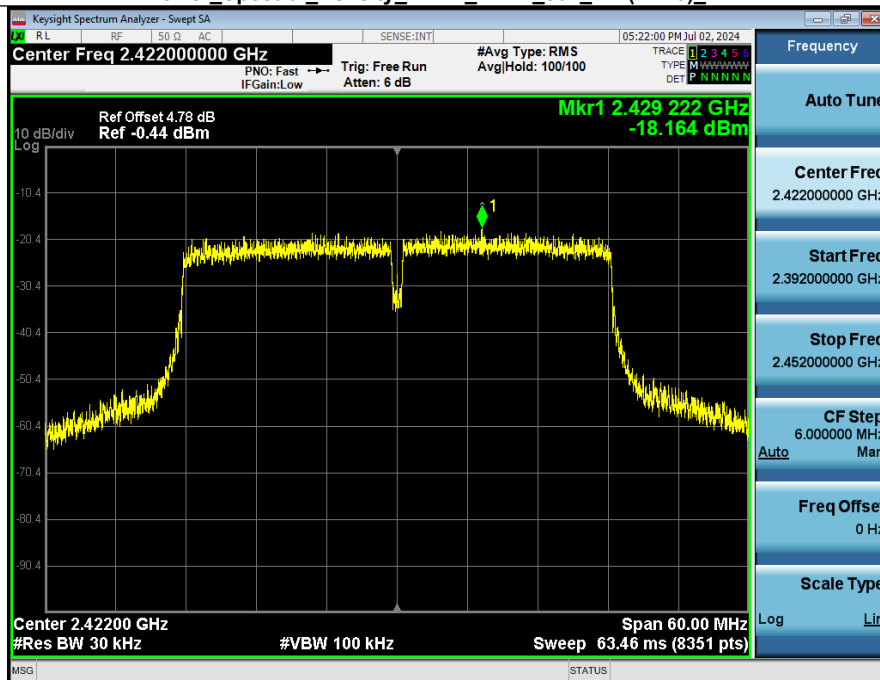
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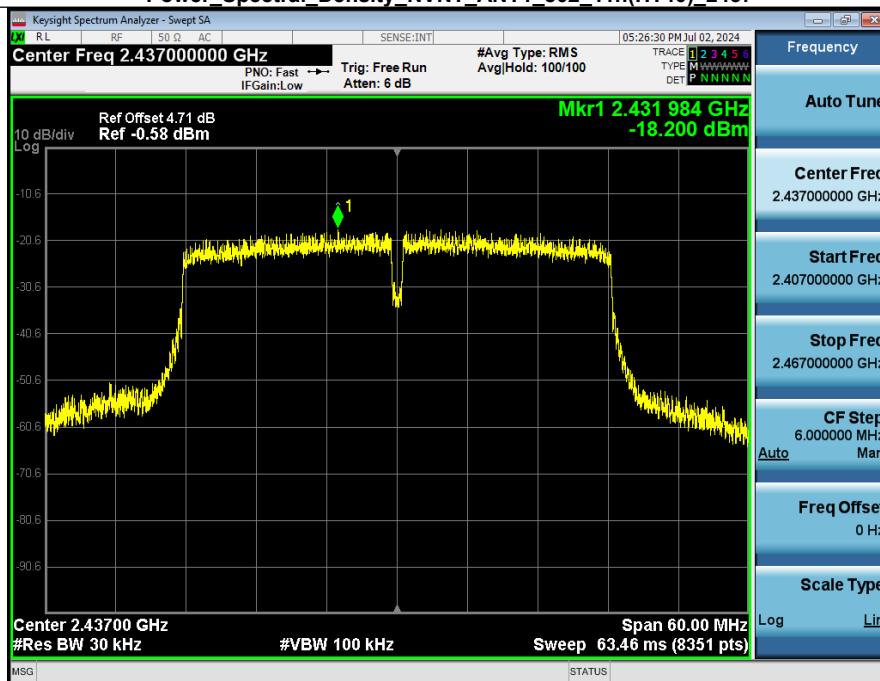
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462



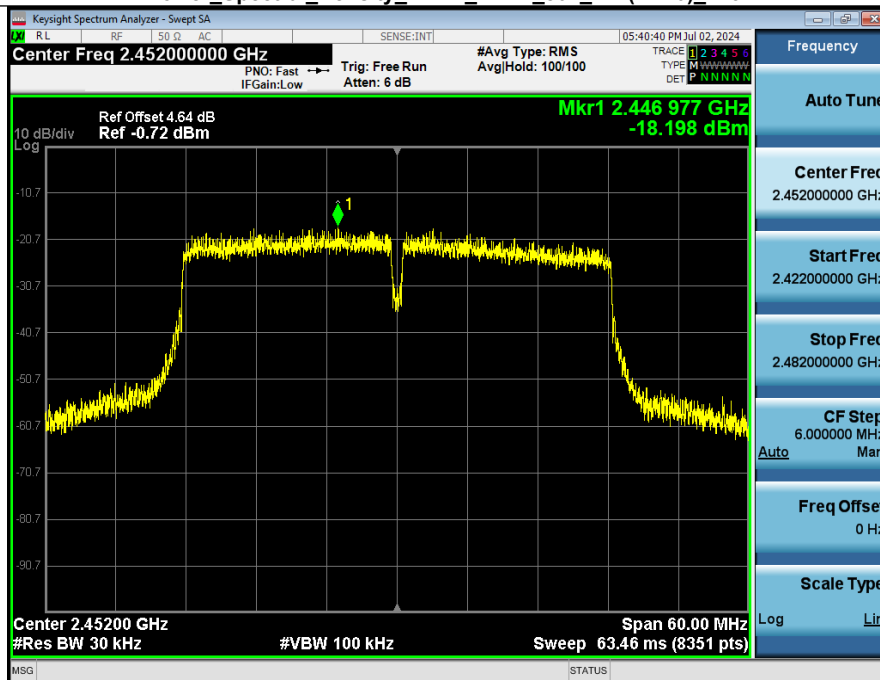
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2422



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2437

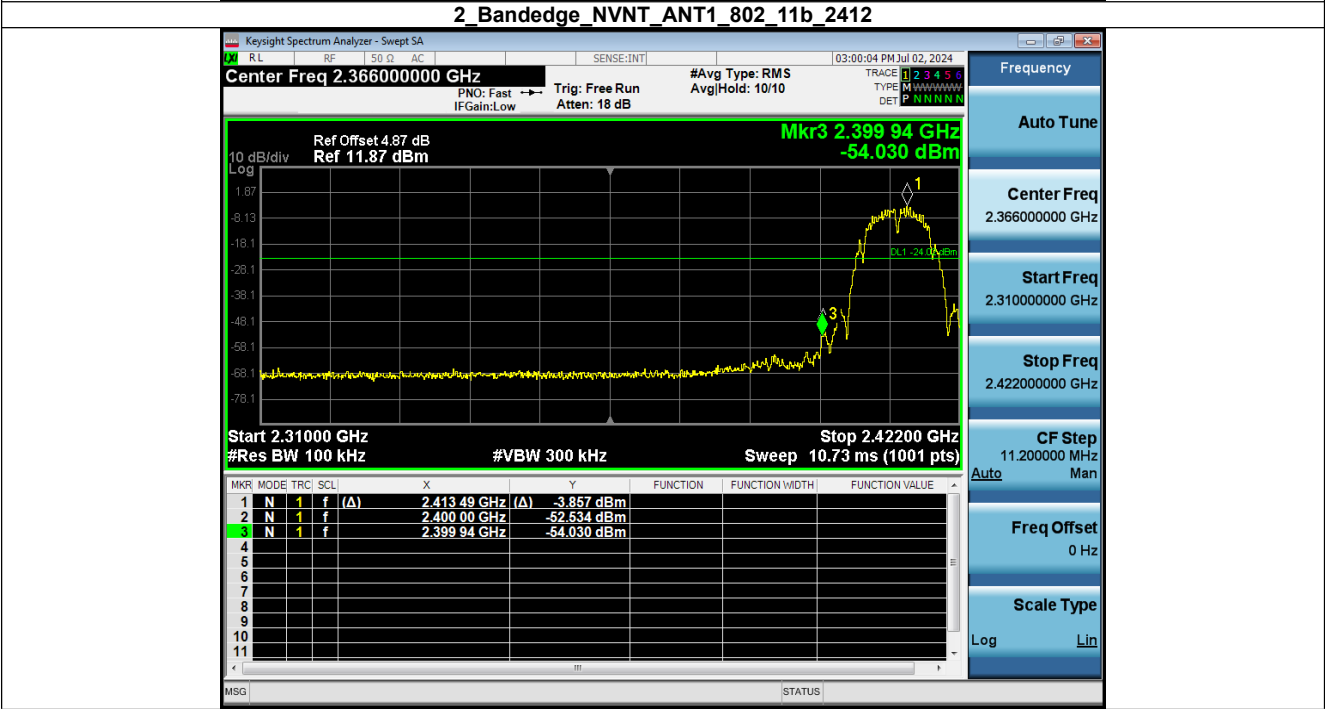


Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2452

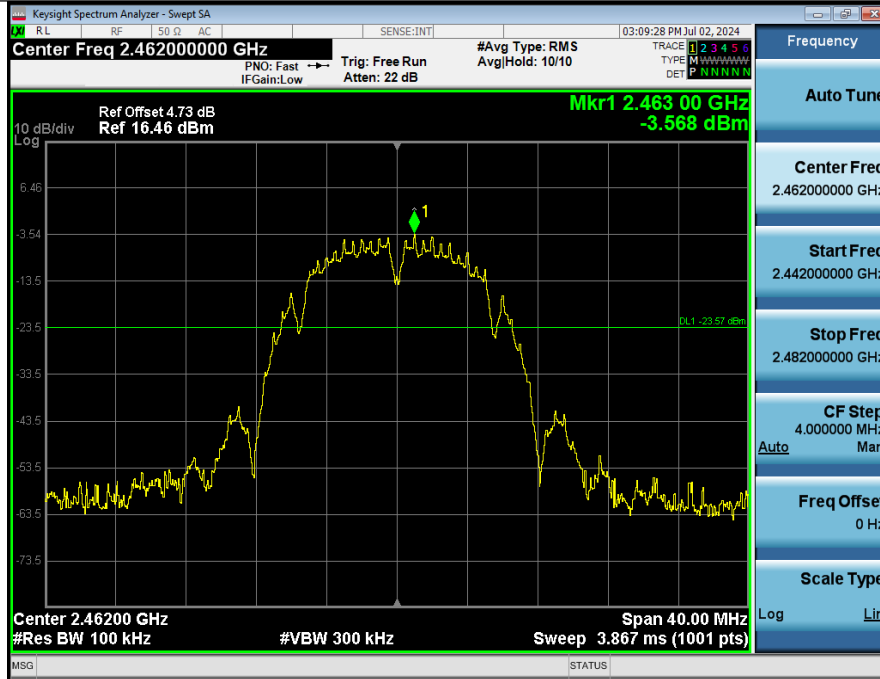


6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	-54.030	-24.015	Pass
NVNT	ANT1	802.11b	2462.00	2483.968	-60.895	-23.568	Pass
NVNT	ANT1	802.11g	2412.00	2399.488	-41.957	-29.862	Pass
NVNT	ANT1	802.11g	2462.00	2483.584	-56.005	-31.432	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2398.256	-43.897	-31.625	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.872	-54.663	-31.402	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-44.364	-33.655	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2483.680	-53.456	-33.545	Pass



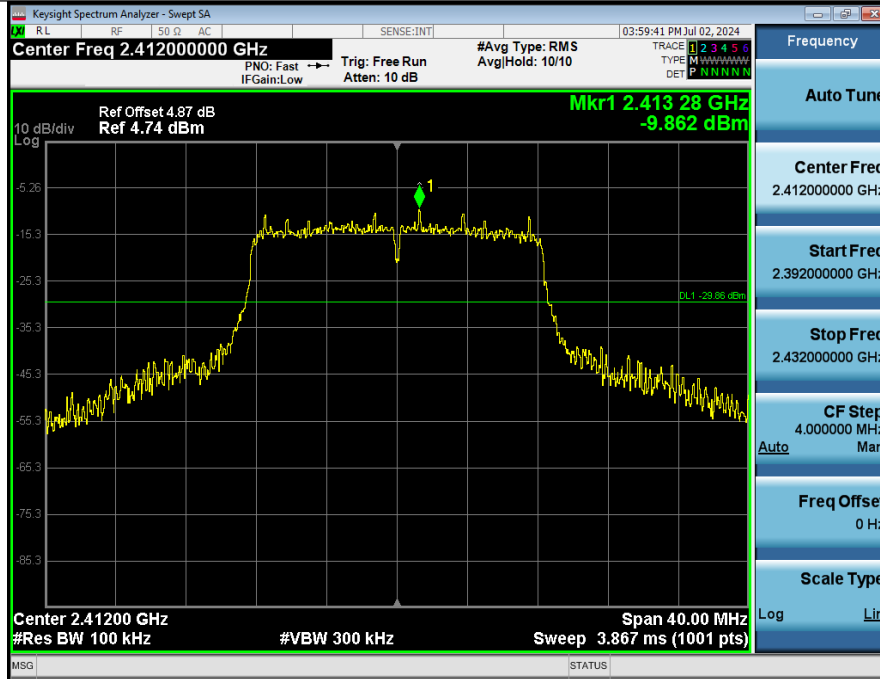
1 Reference Level_NVNT_ANT1_802_11b_2462



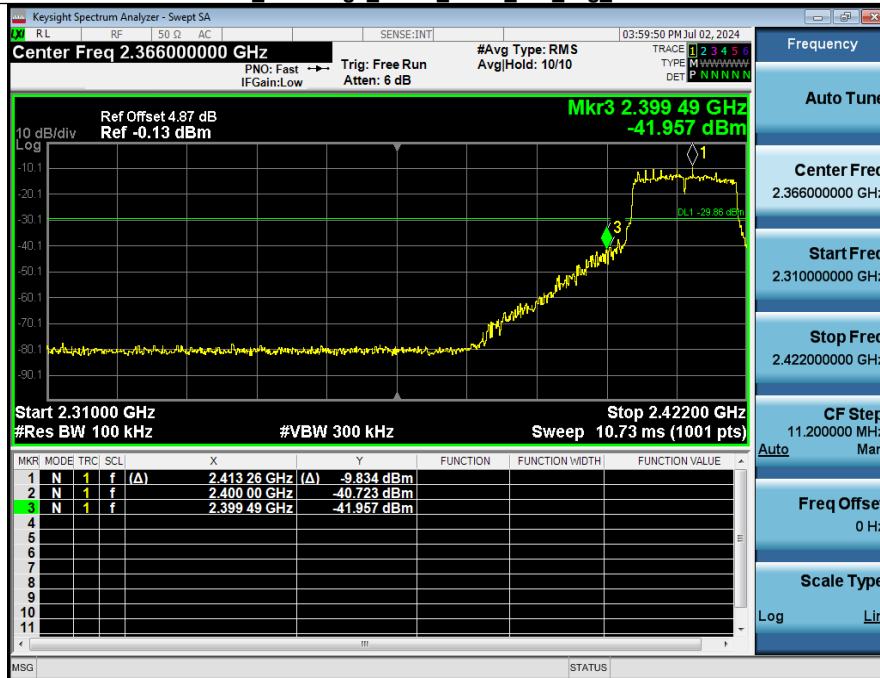
2 Bandedge_NVNT_ANT1_802_11b_2462



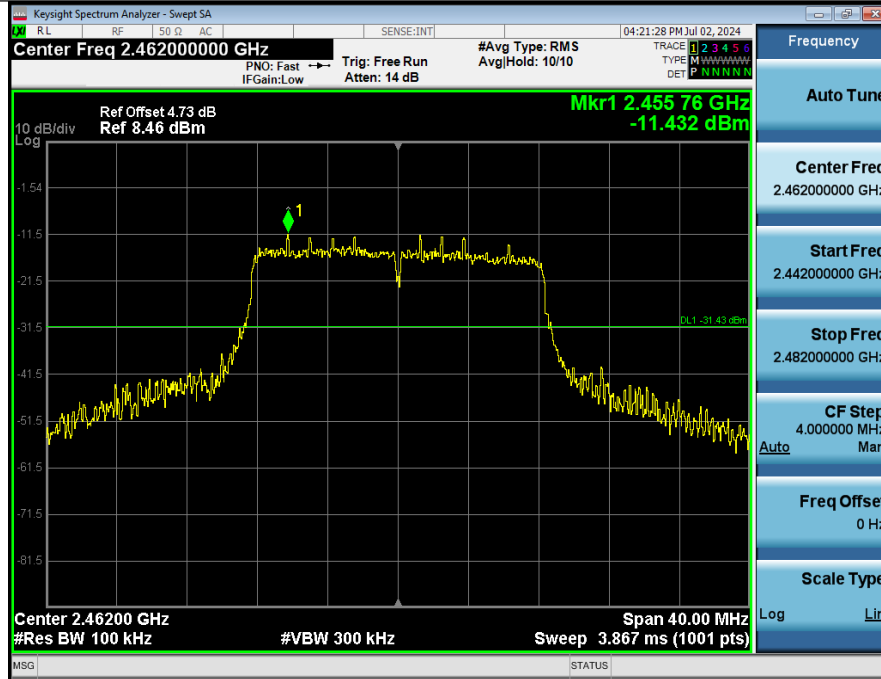
1 Reference Level_NVNT_ANT1_802_11g_2412



2 Bandedge_NVNT_ANT1_802_11g_2412



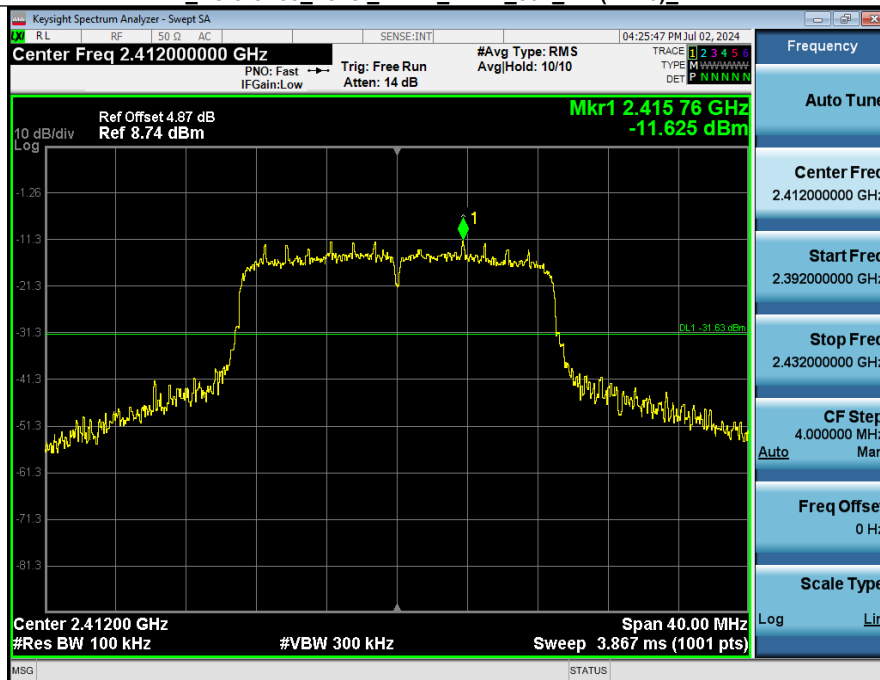
1 Reference Level_NVNT_ANT1_802_11g_2462



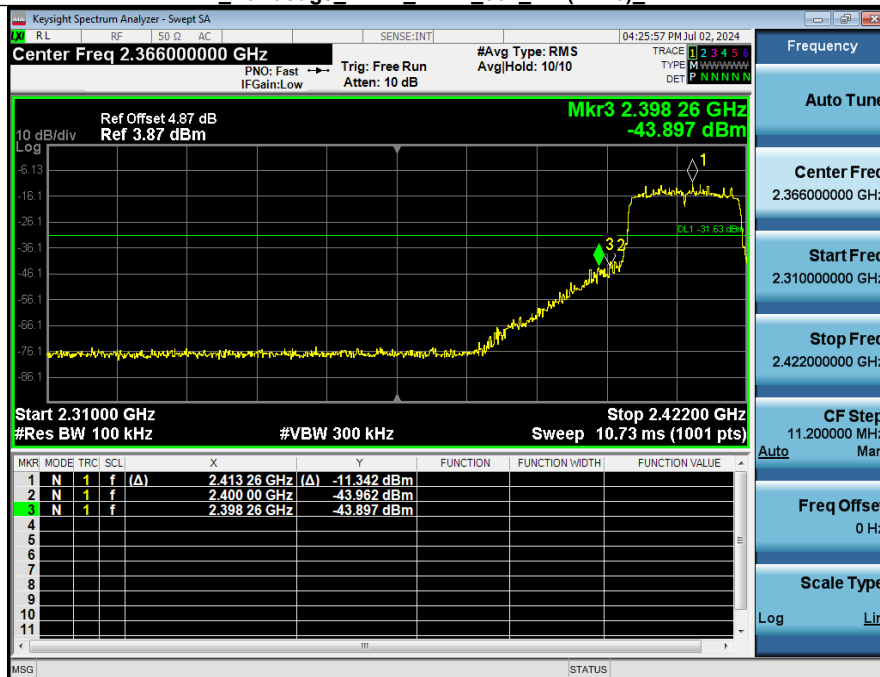
2 Bandedge_NVNT_ANT1_802_11g_2462



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



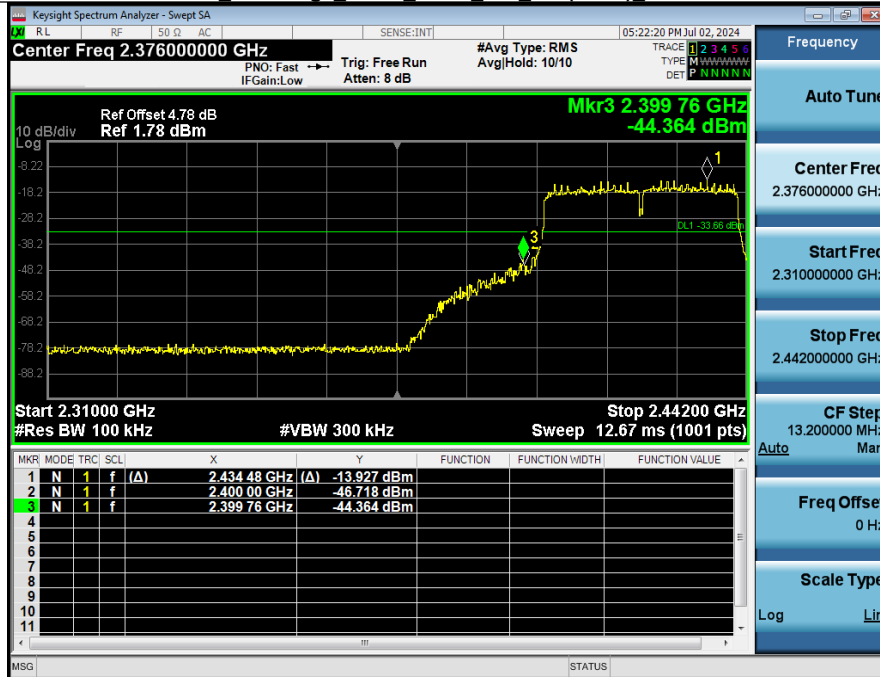
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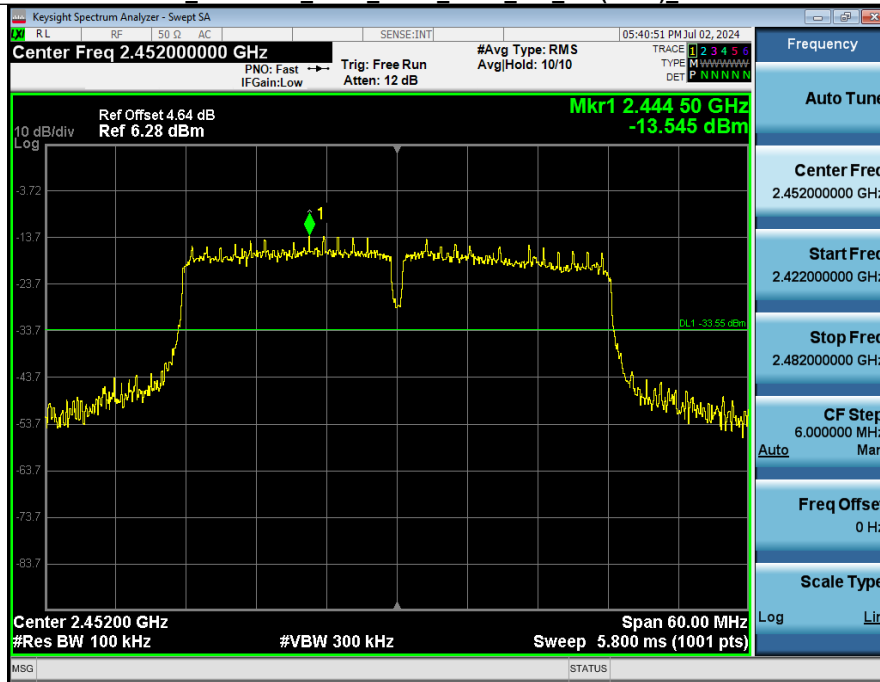
1 Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference_Level_NVNT_ANT1_802_11n(HT40)_2452

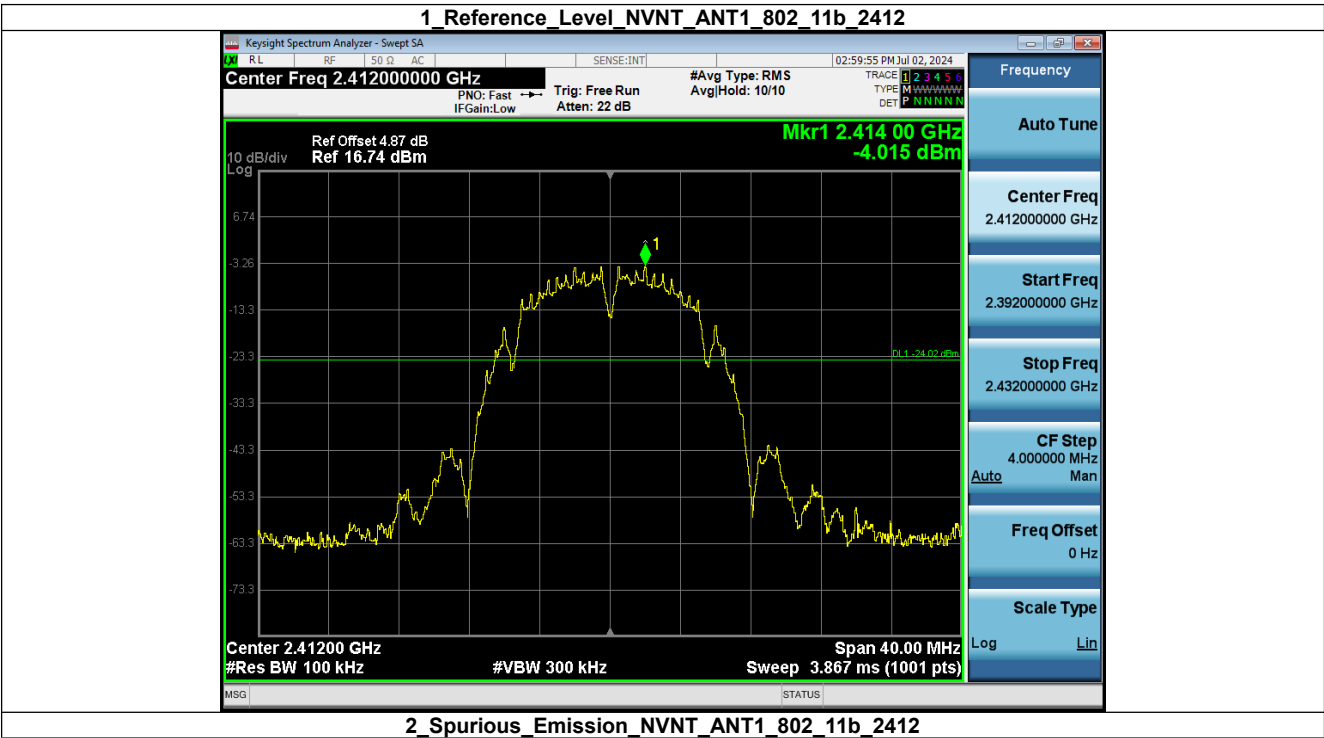


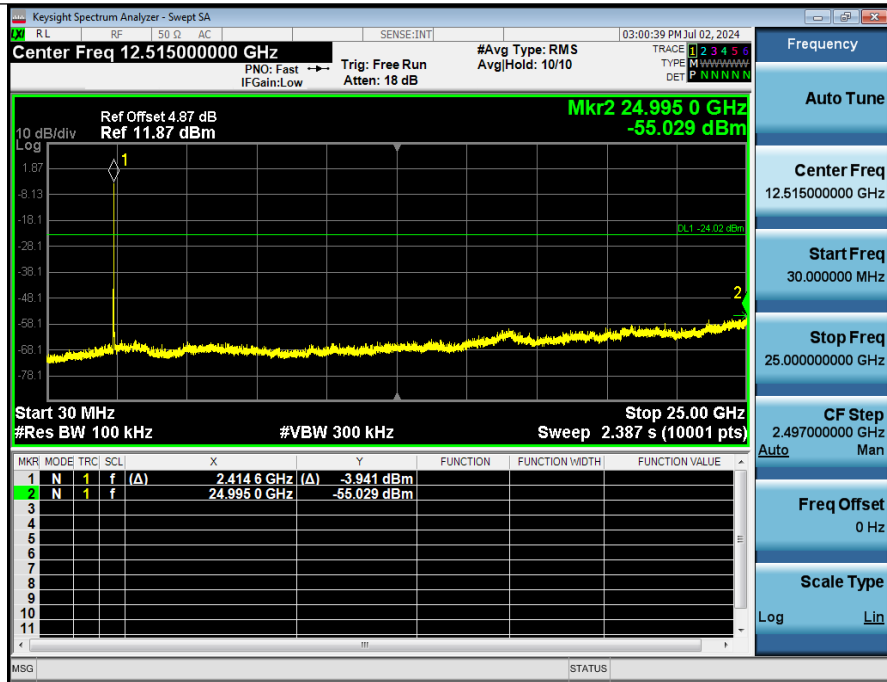
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



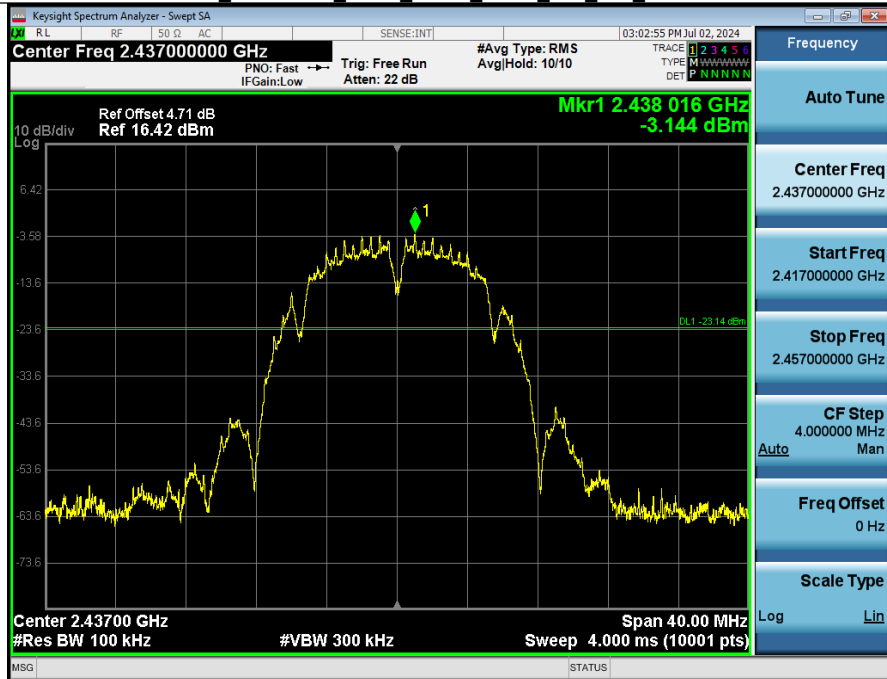
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24995.006	-55.029	-24.015	Pass
NVNT	ANT1	802.11b	2437.00	25000.000	-55.912	-23.144	Pass
NVNT	ANT1	802.11b	2462.00	24962.545	-55.772	-23.568	Pass
NVNT	ANT1	802.11g	2412.00	5221.263	-65.895	-29.862	Pass
NVNT	ANT1	802.11g	2437.00	24850.180	-55.574	-23.513	Pass
NVNT	ANT1	802.11g	2462.00	5198.790	-54.657	-31.432	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24972.533	-55.734	-24.031	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24910.108	-67.475	-30.689	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	25000.000	-64.687	-31.402	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24955.054	-65.025	-33.655	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24942.569	-64.830	-33.419	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24950.060	-65.975	-33.545	Pass

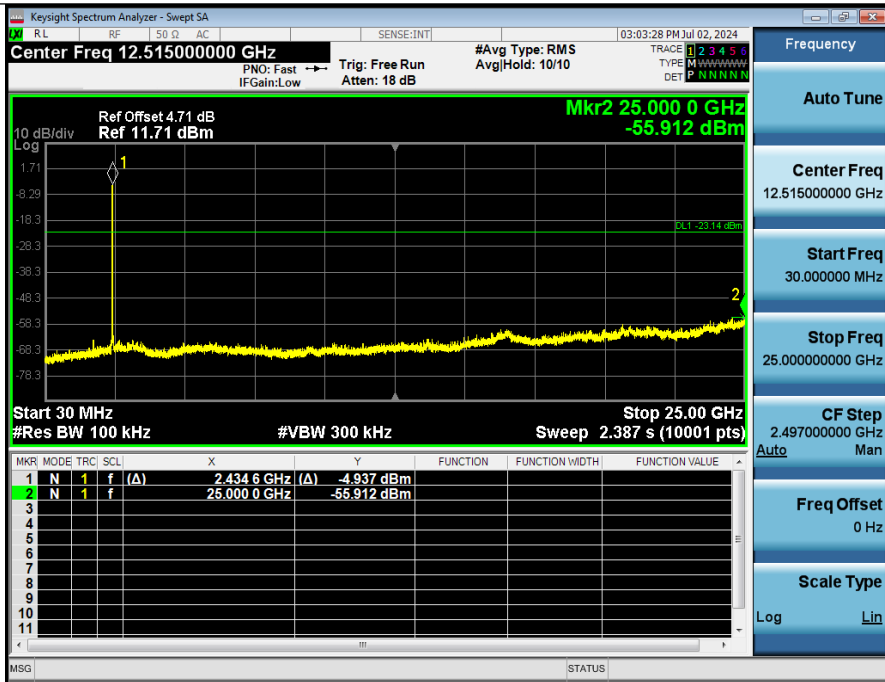




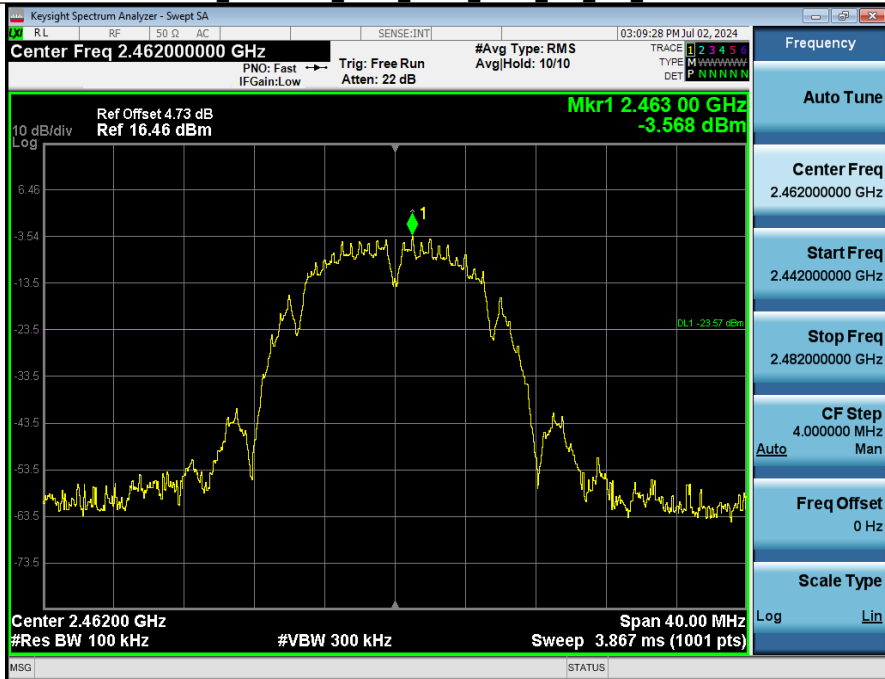
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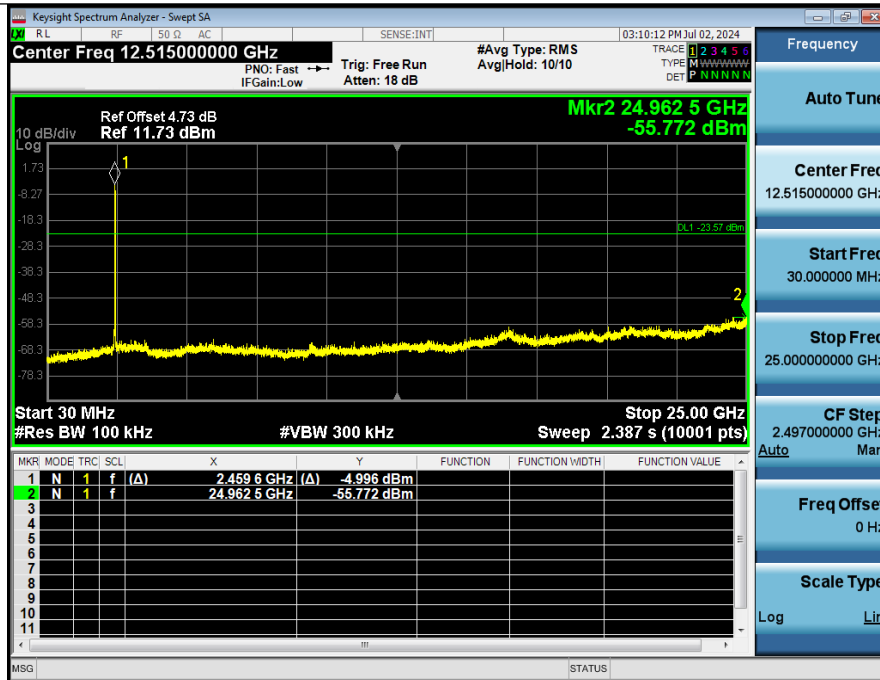
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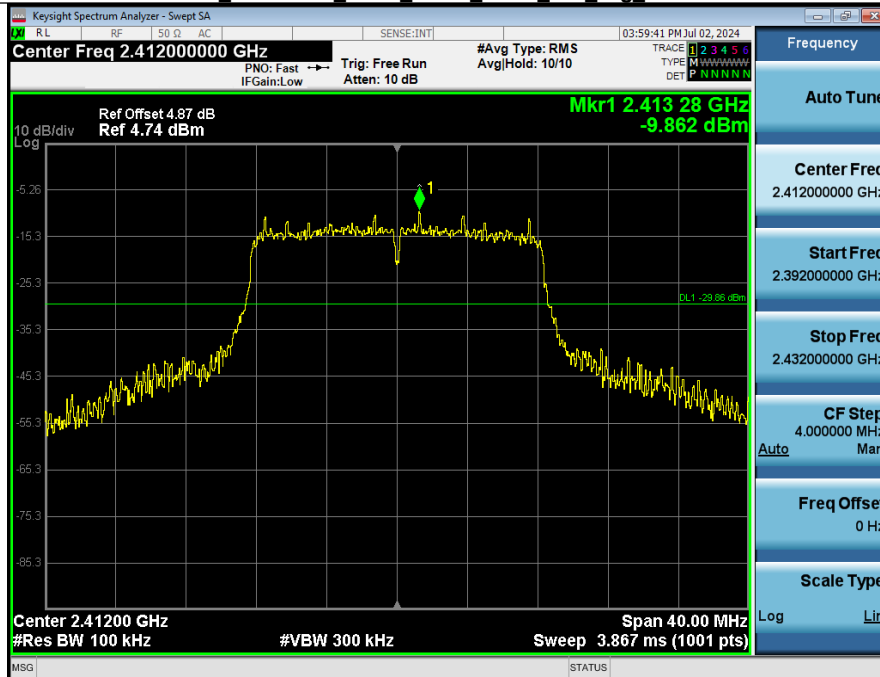
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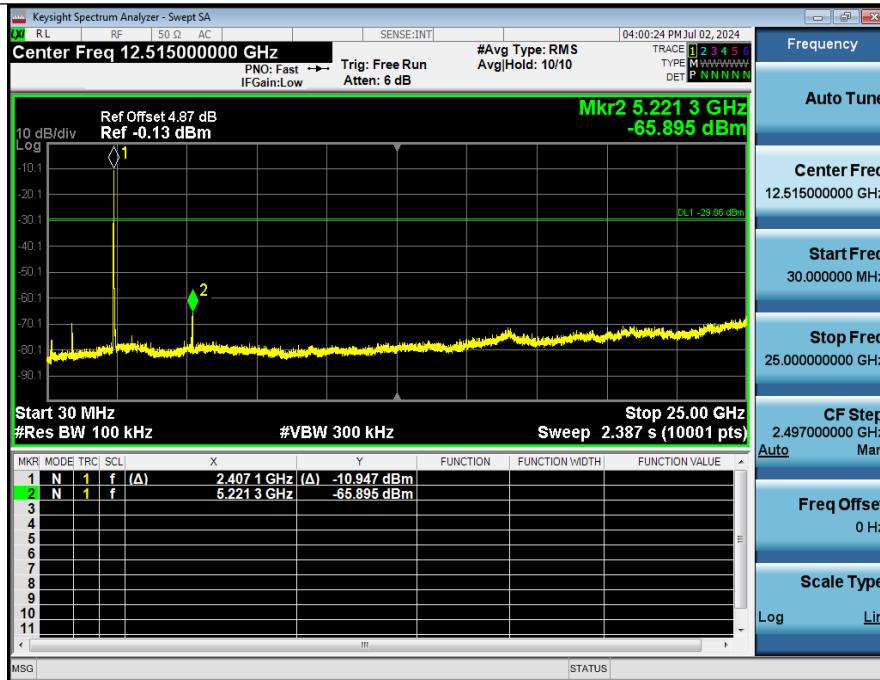
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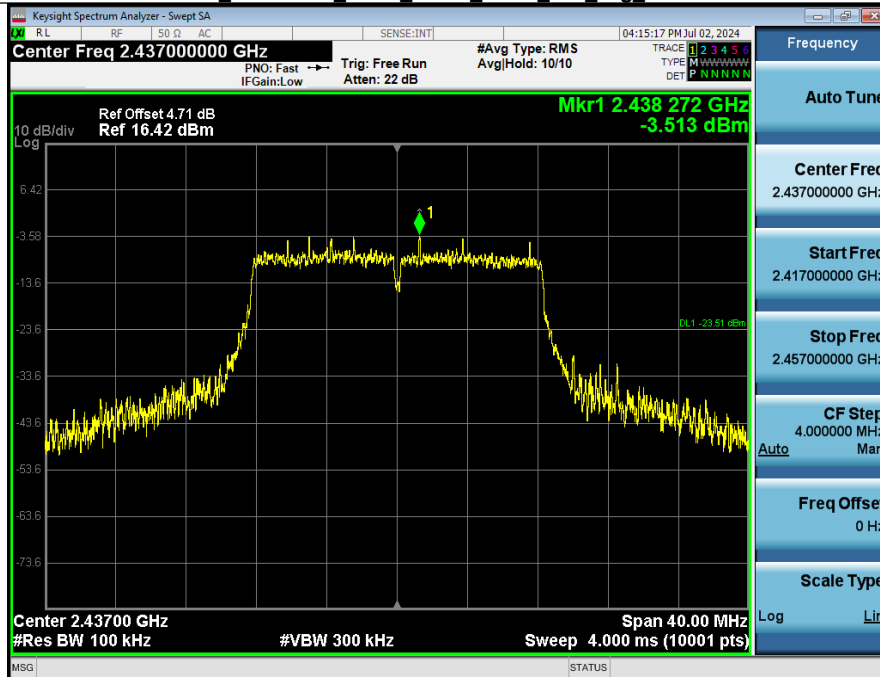
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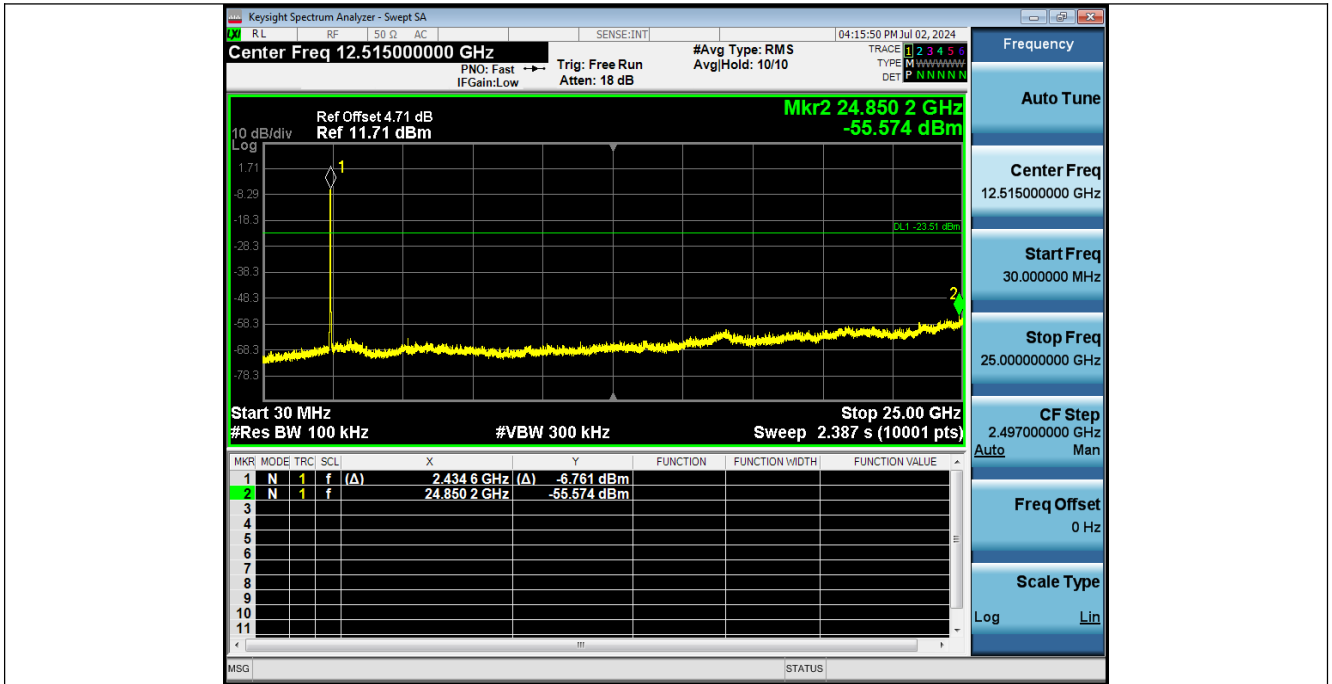
2 Spurious Emission NVNT_ANT1_802_11g_2412



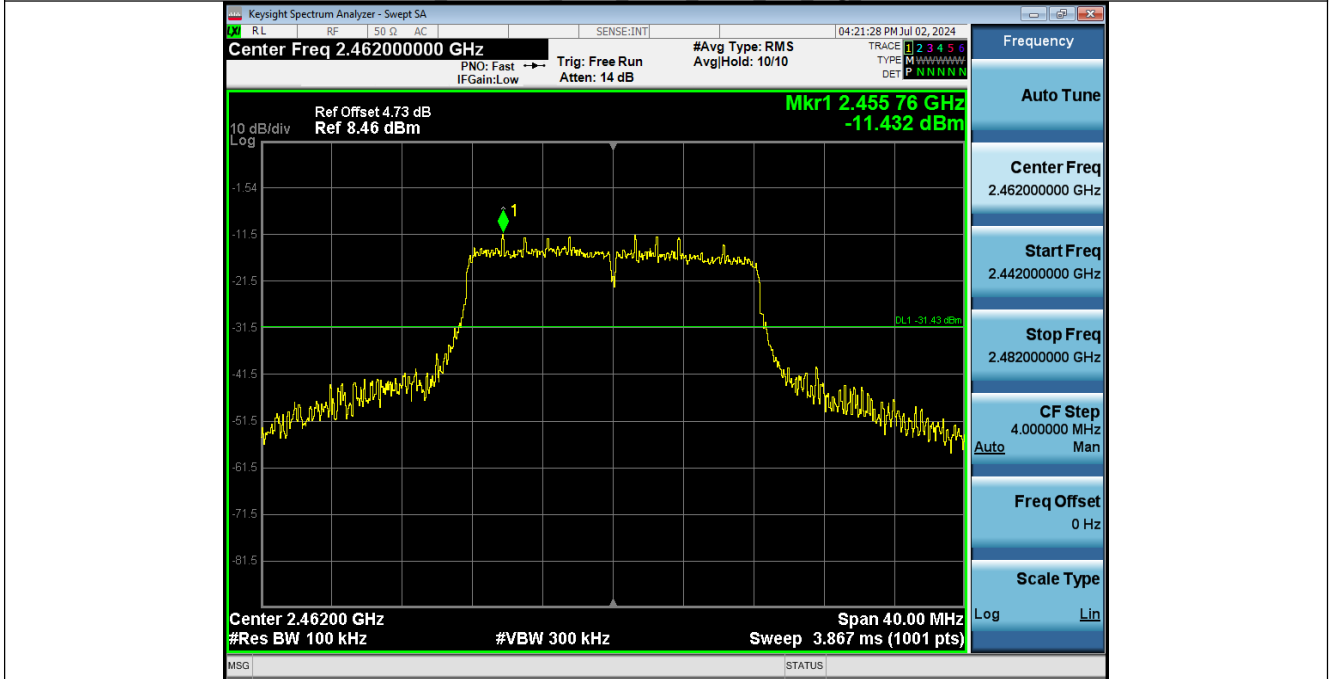
1 Reference Level NVNT_ANT1_802_11g_2437



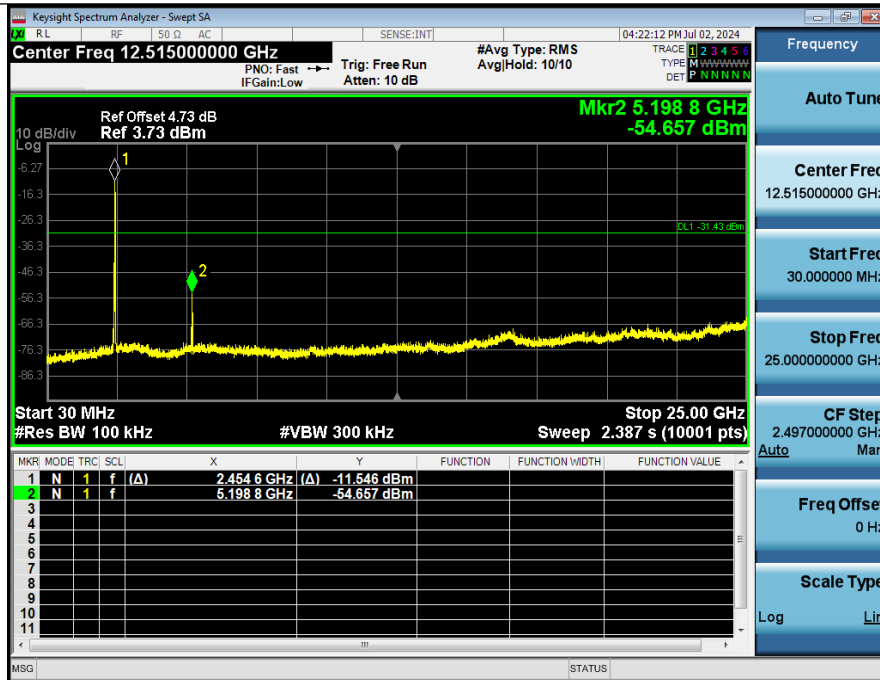
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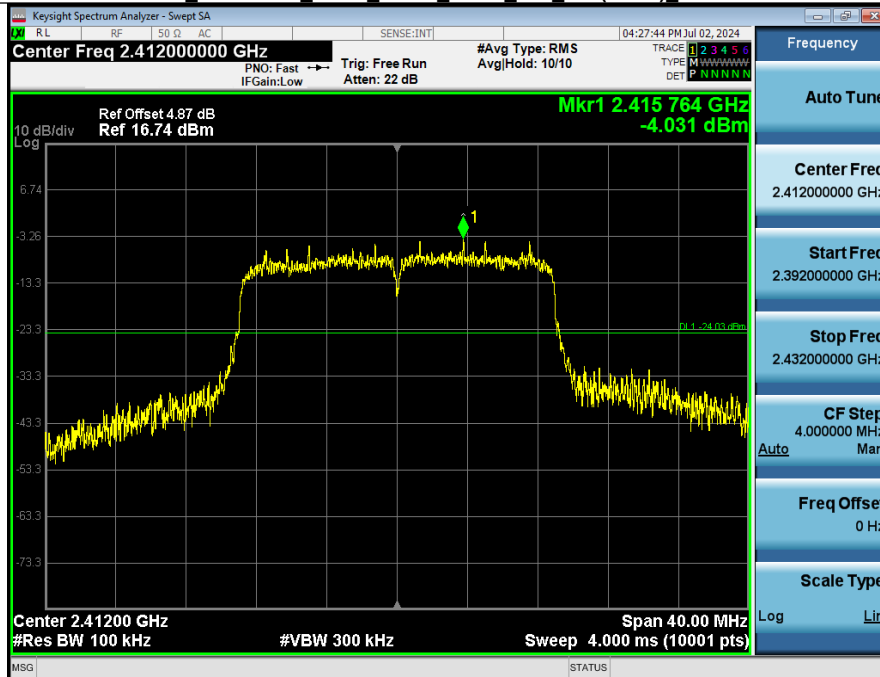
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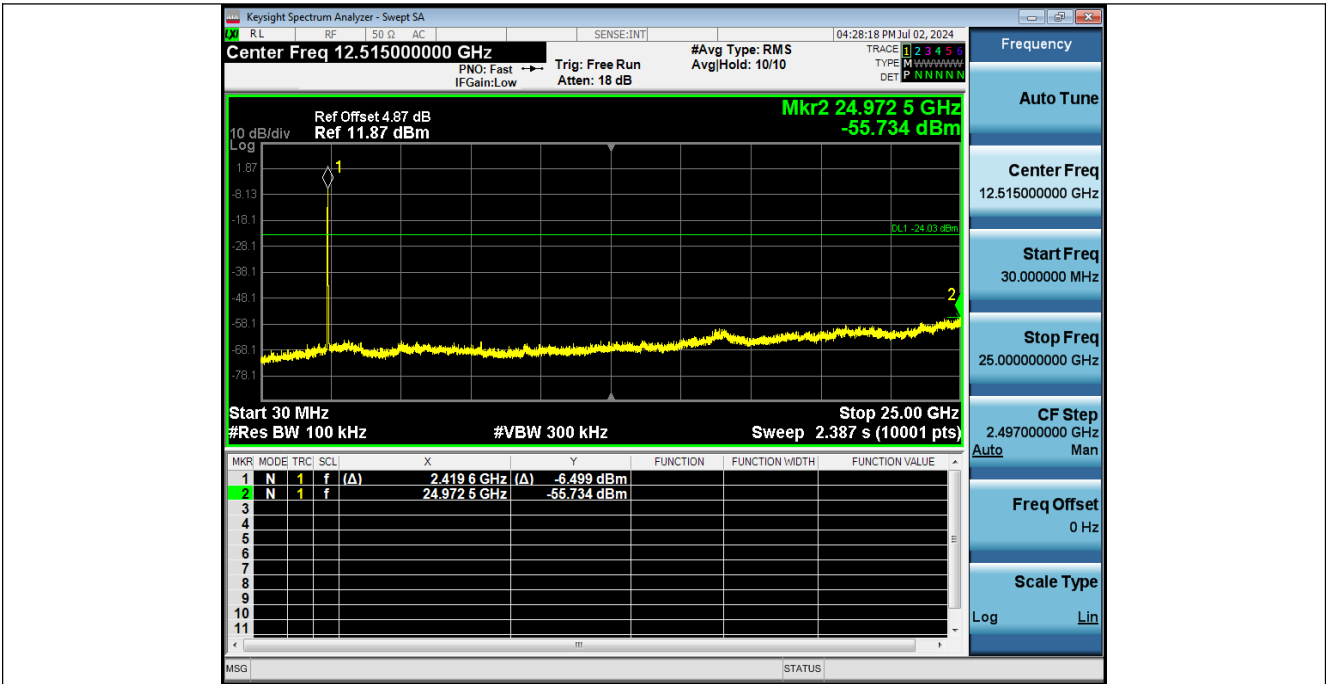
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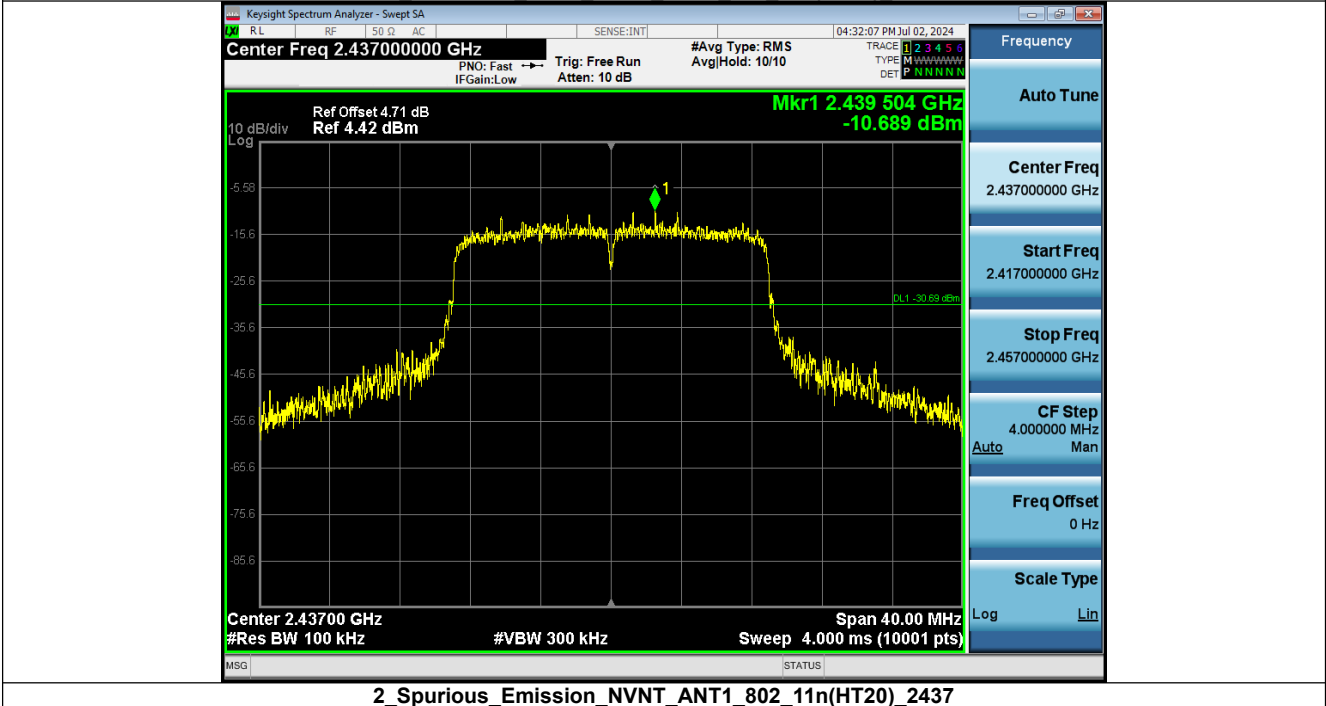
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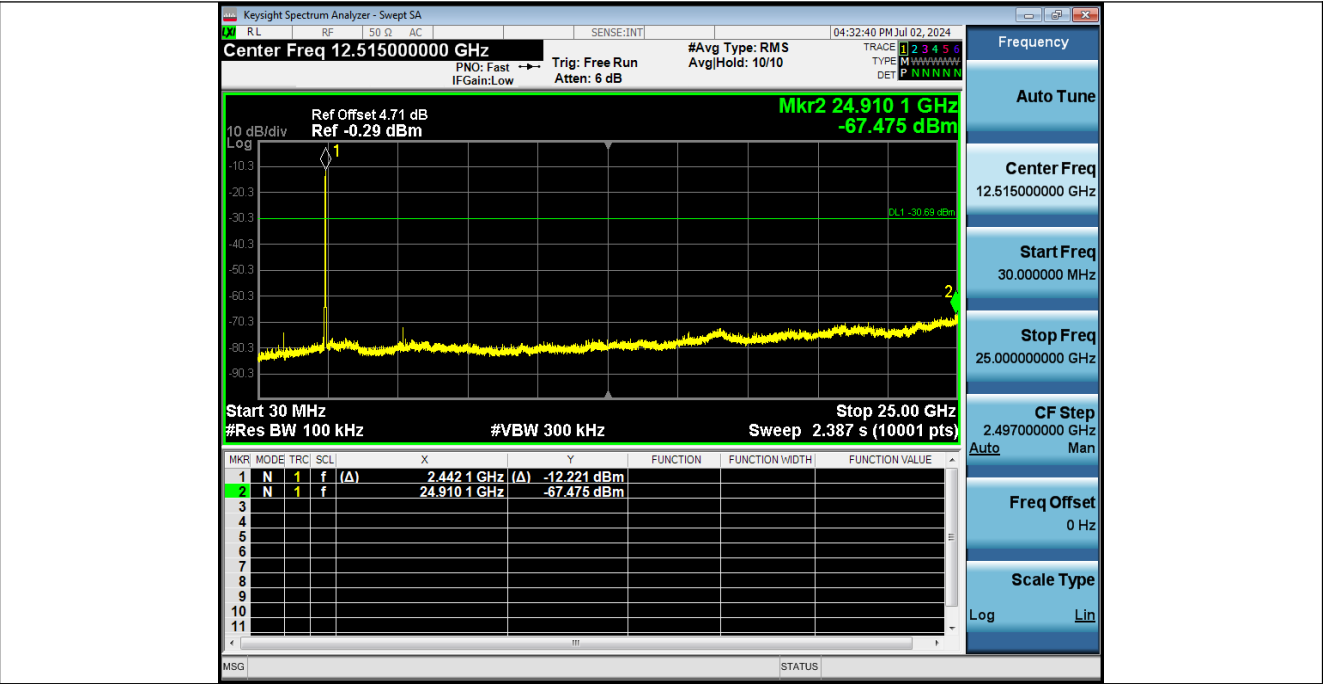
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1 Reference Level NVNT_ANT1_802_11n(HT20)_2437



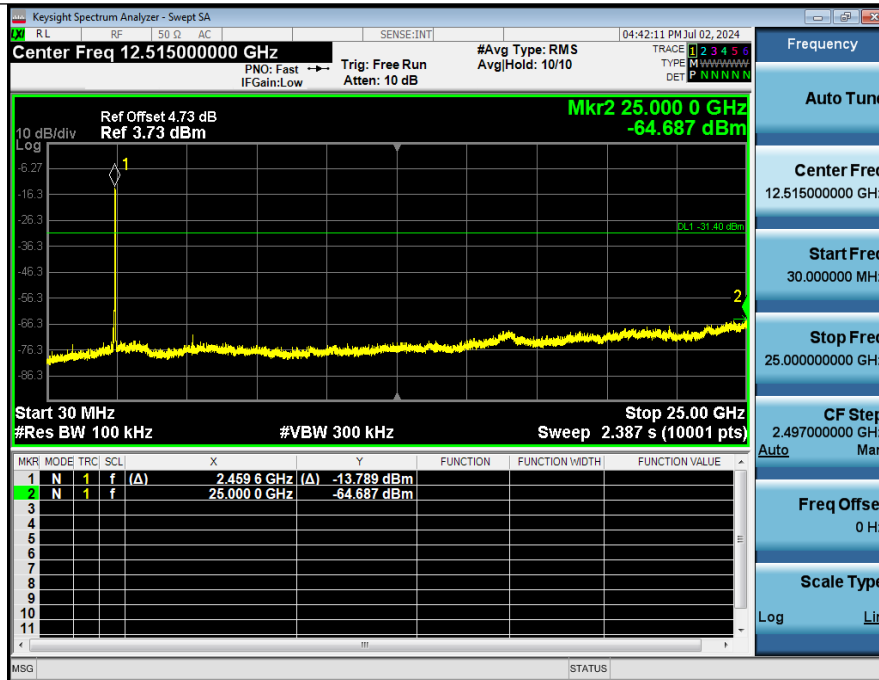
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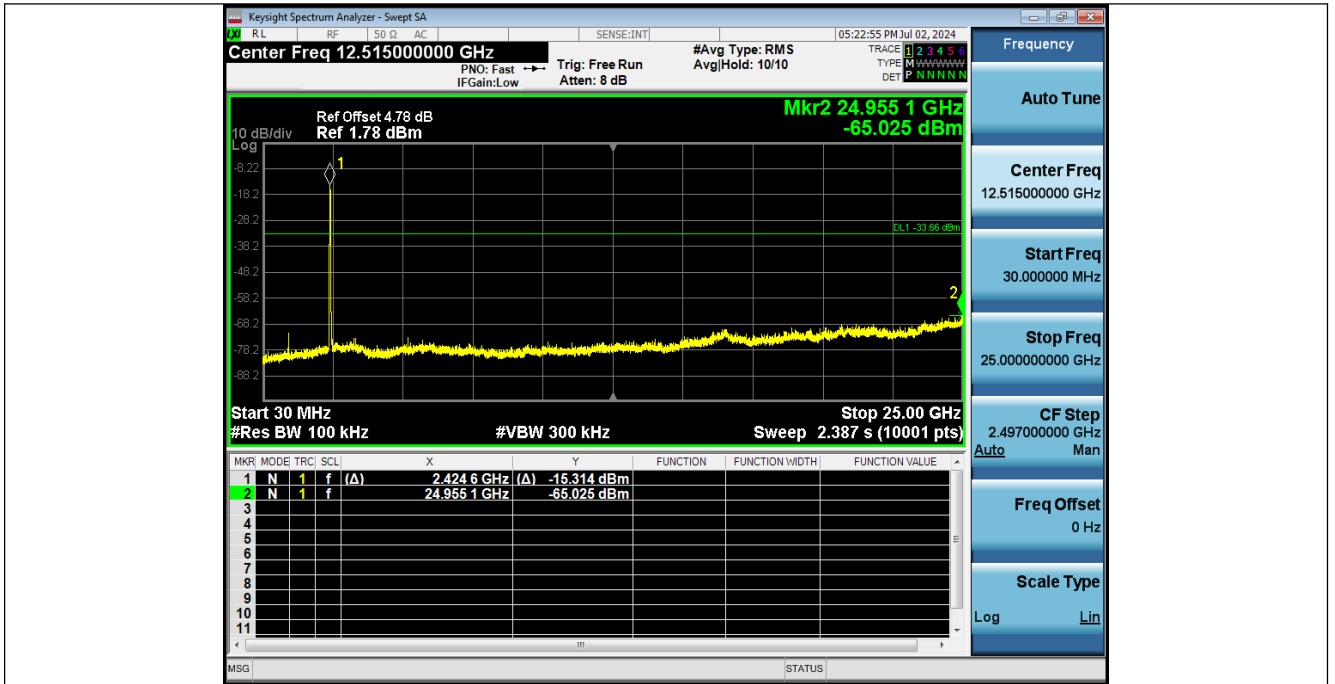
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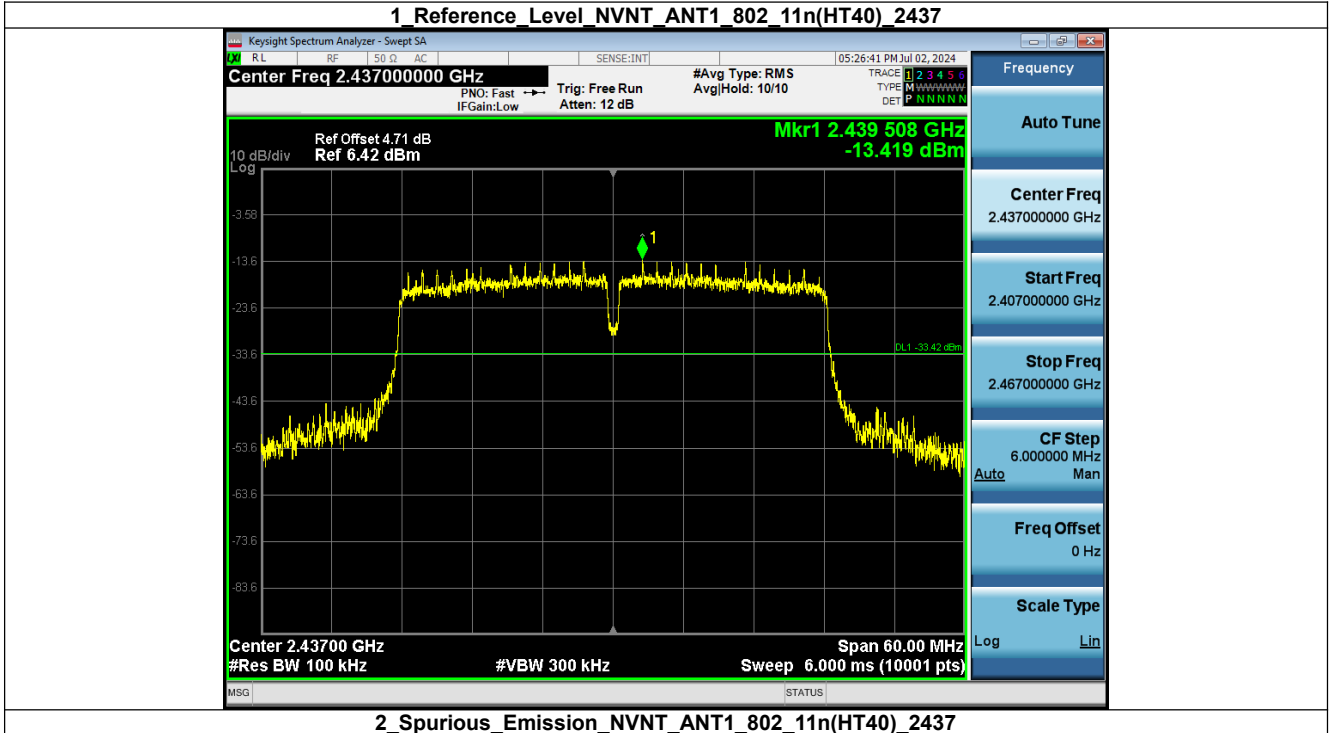
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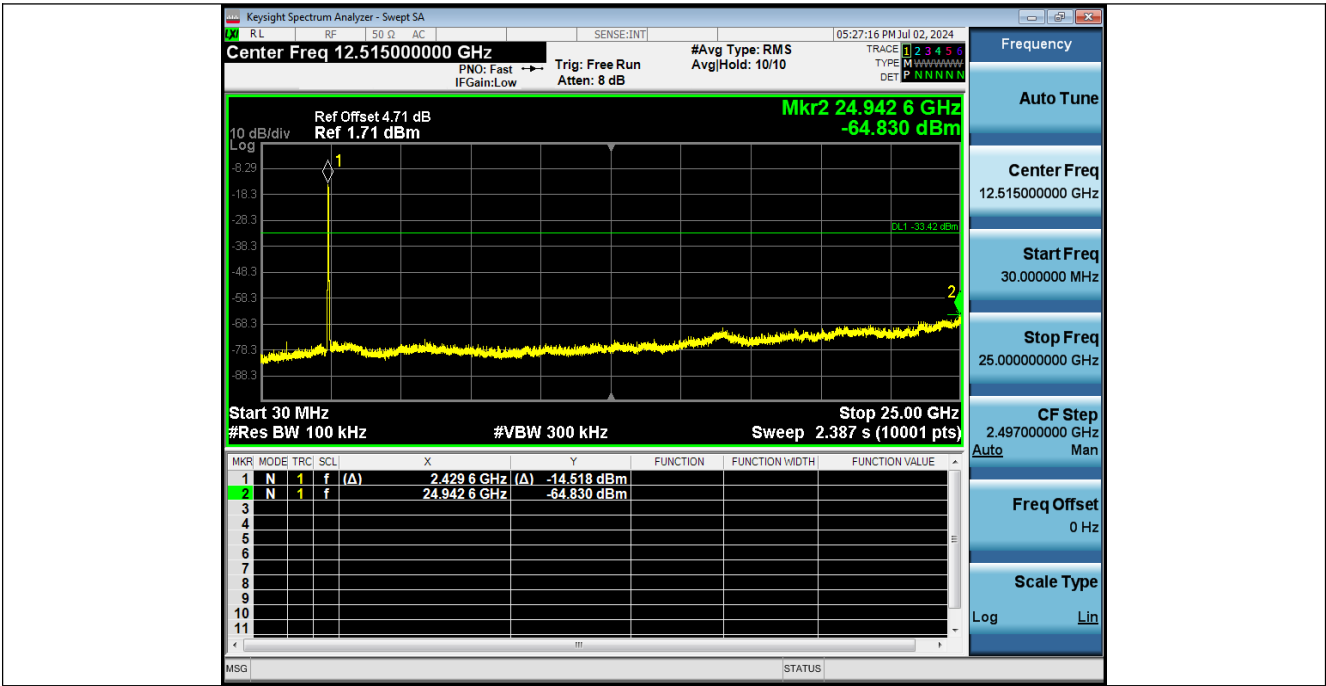
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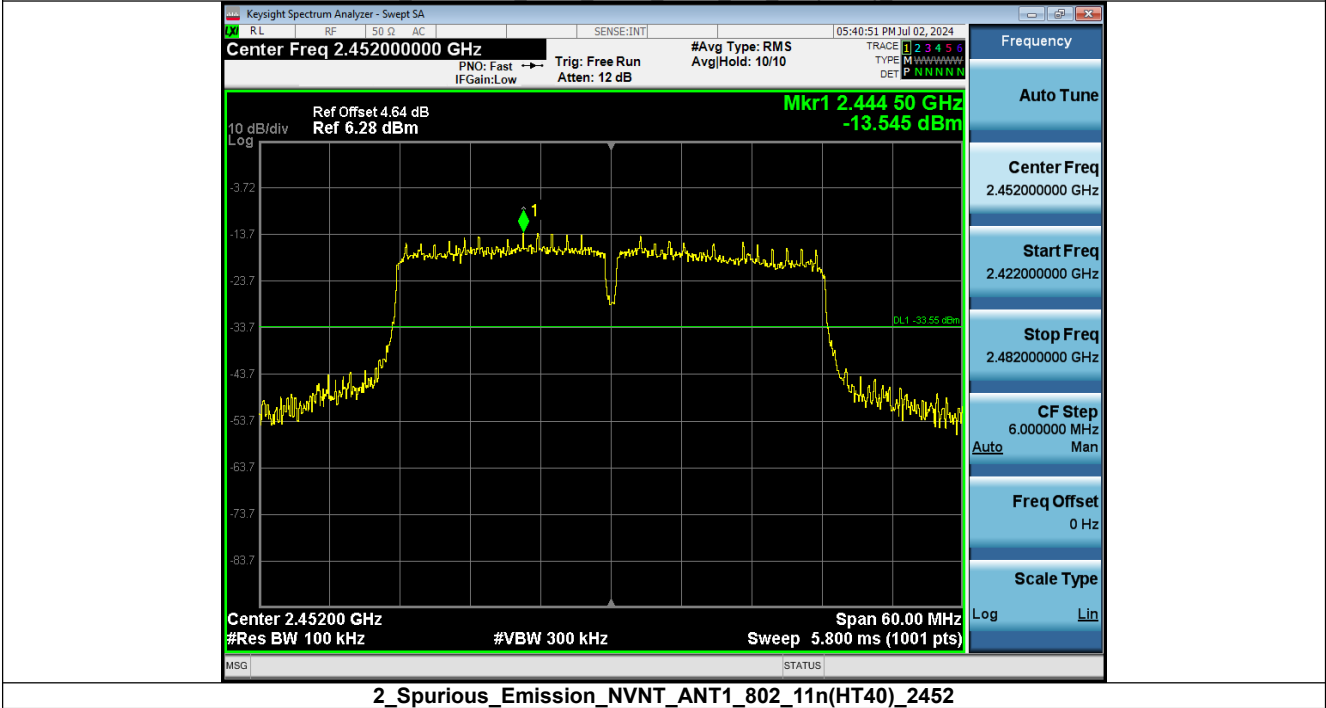
1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



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

