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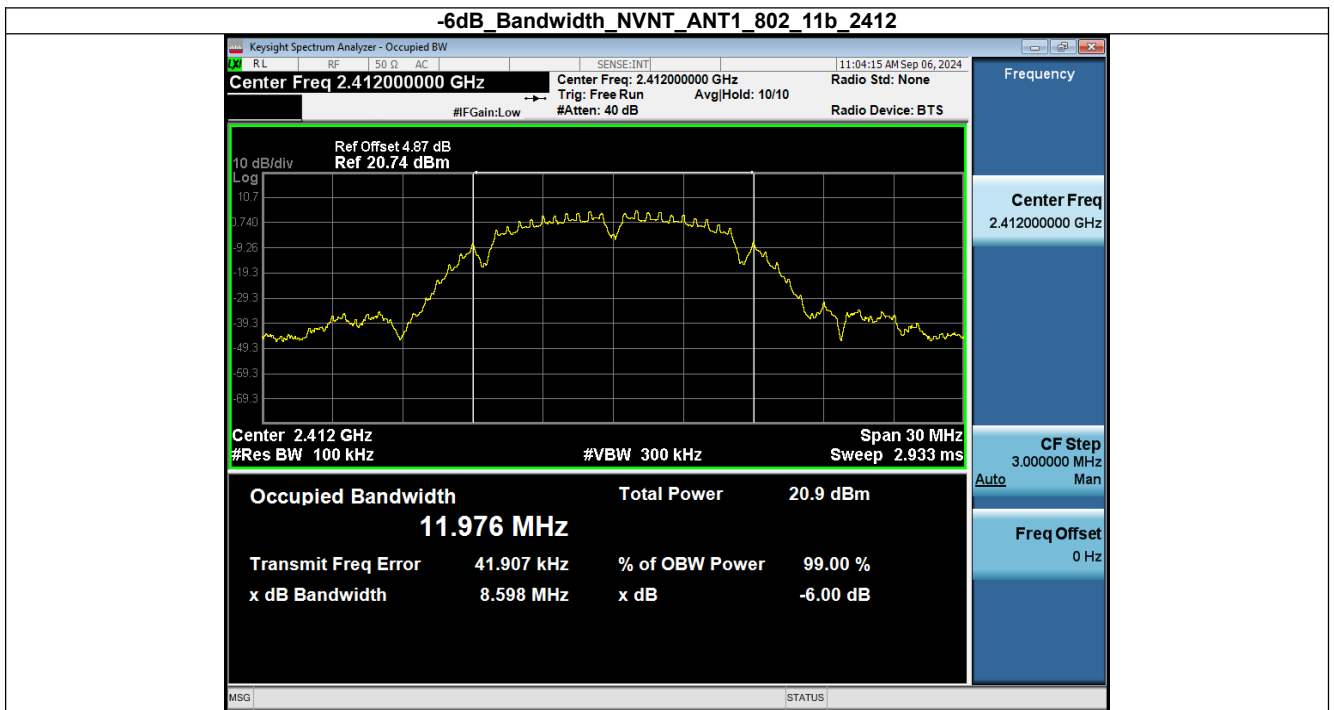
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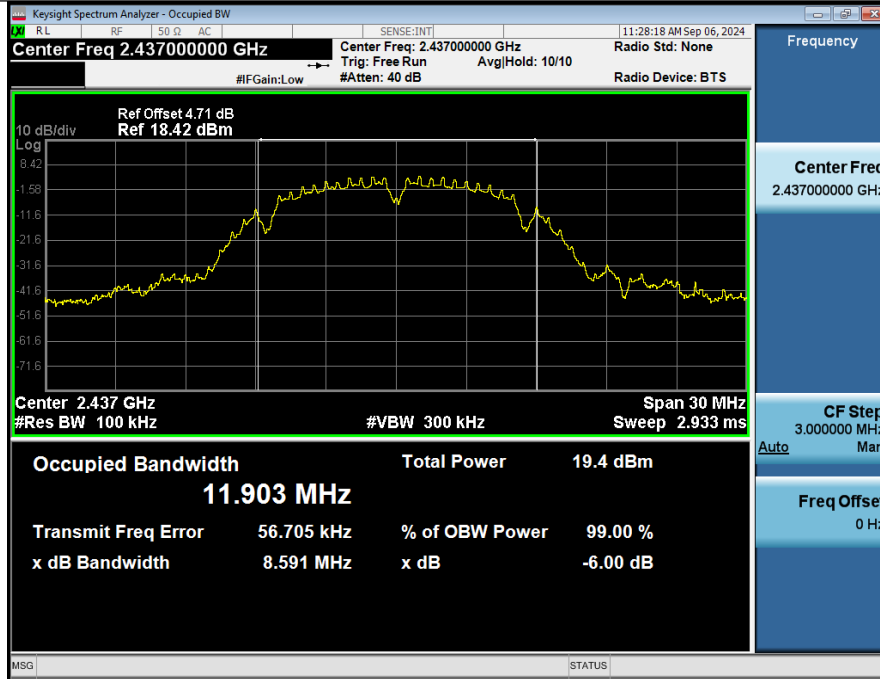
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

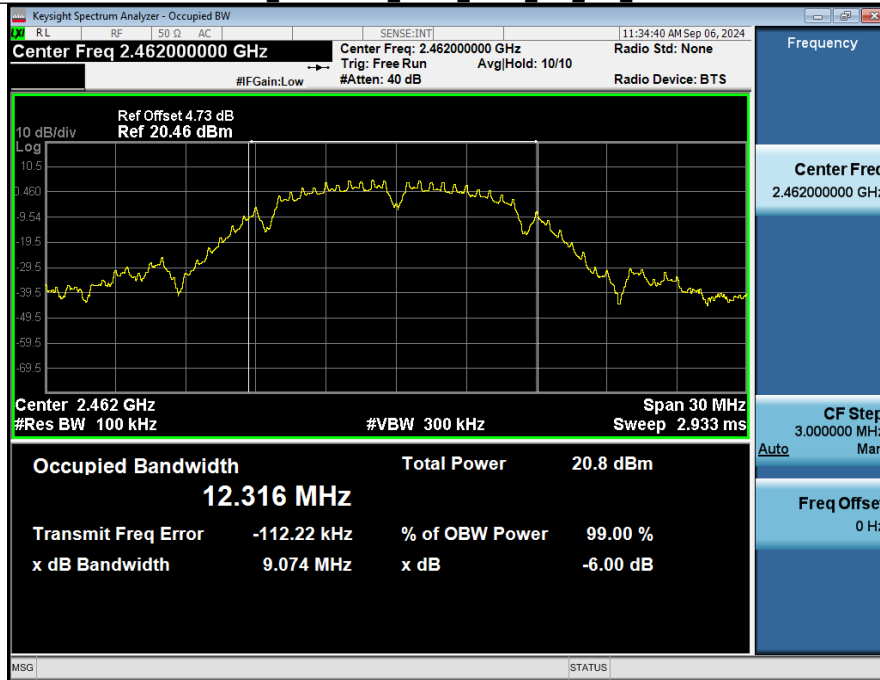
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.60	500	Pass
NVNT	ANT1	802.11b	2437.00	8.59	500	Pass
NVNT	ANT1	802.11b	2462.00	9.07	500	Pass
NVNT	ANT1	802.11g	2412.00	16.07	500	Pass
NVNT	ANT1	802.11g	2437.00	16.10	500	Pass
NVNT	ANT1	802.11g	2462.00	15.77	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	16.49	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	16.61	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	16.69	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.63	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.60	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.69	500	Pass



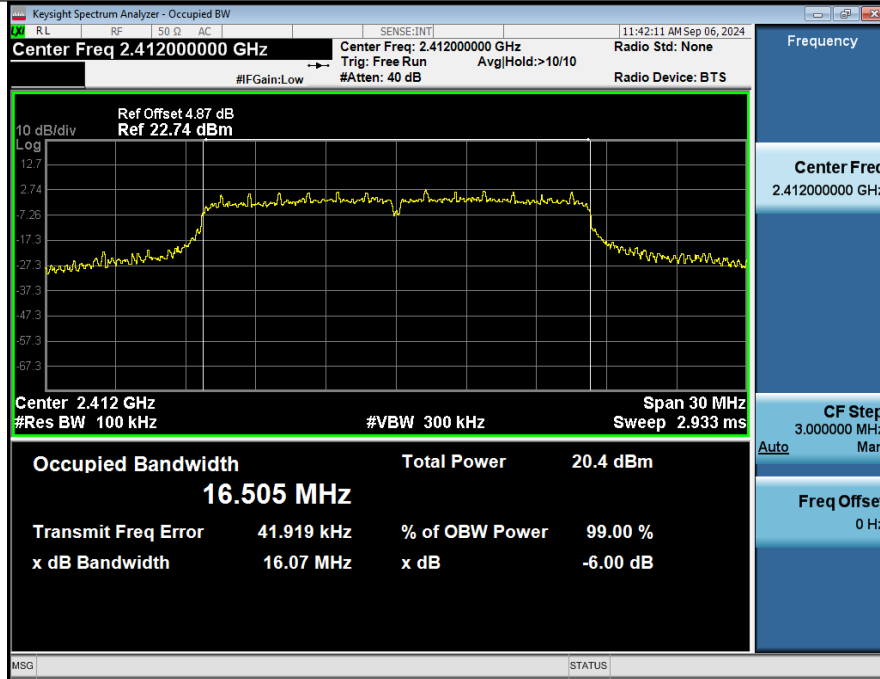
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



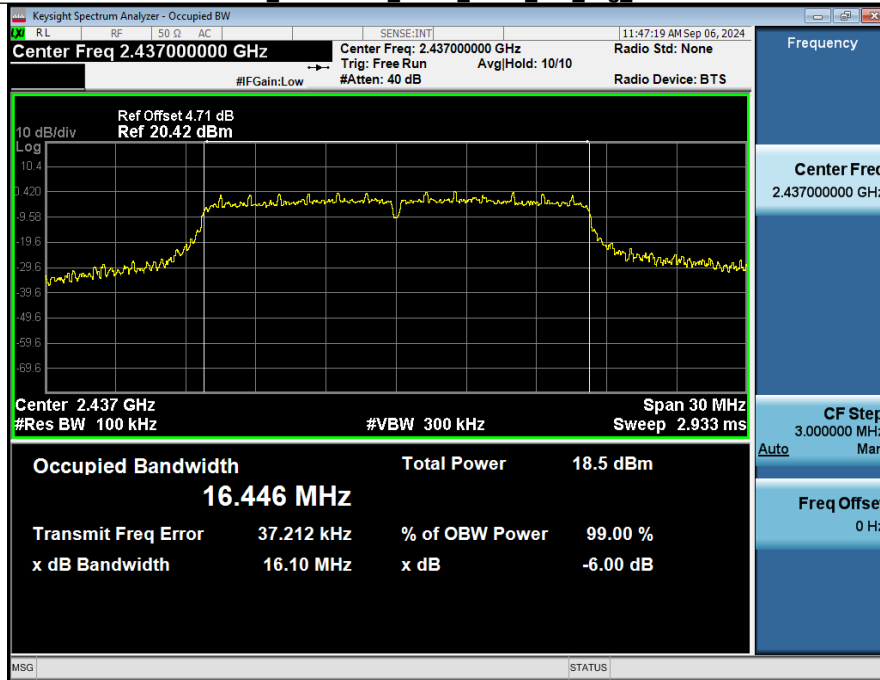
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



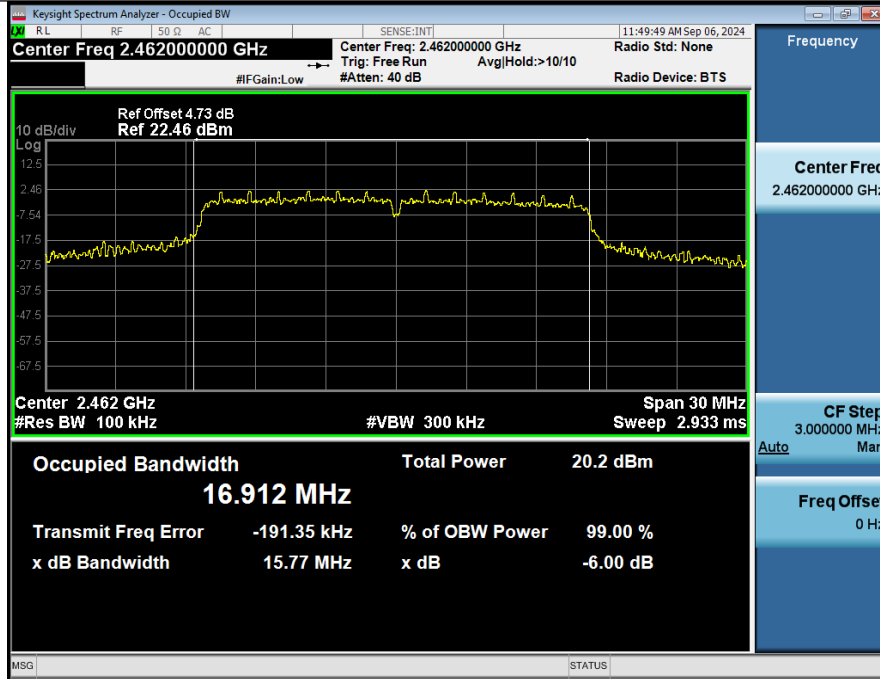
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



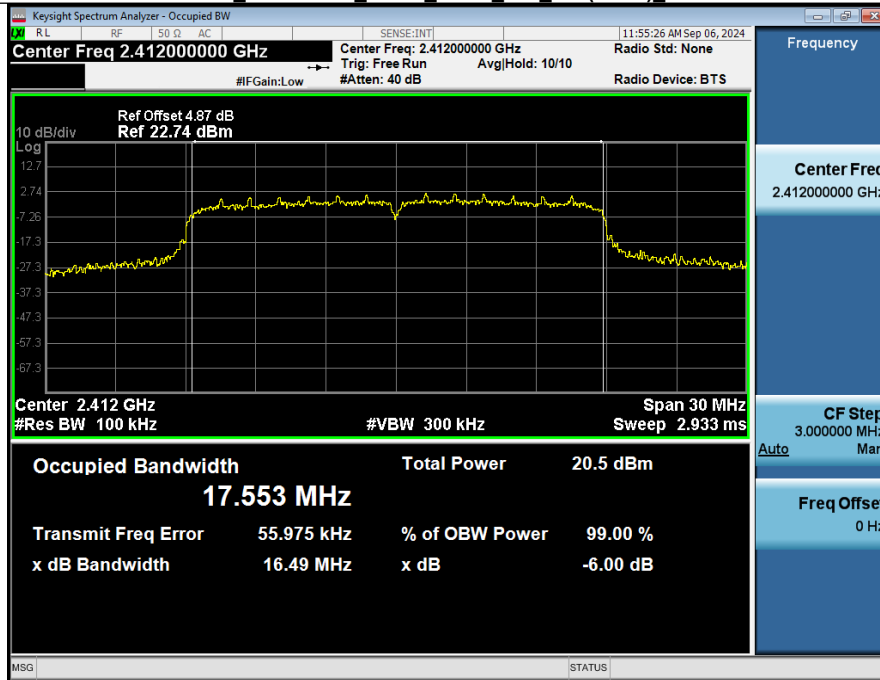
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



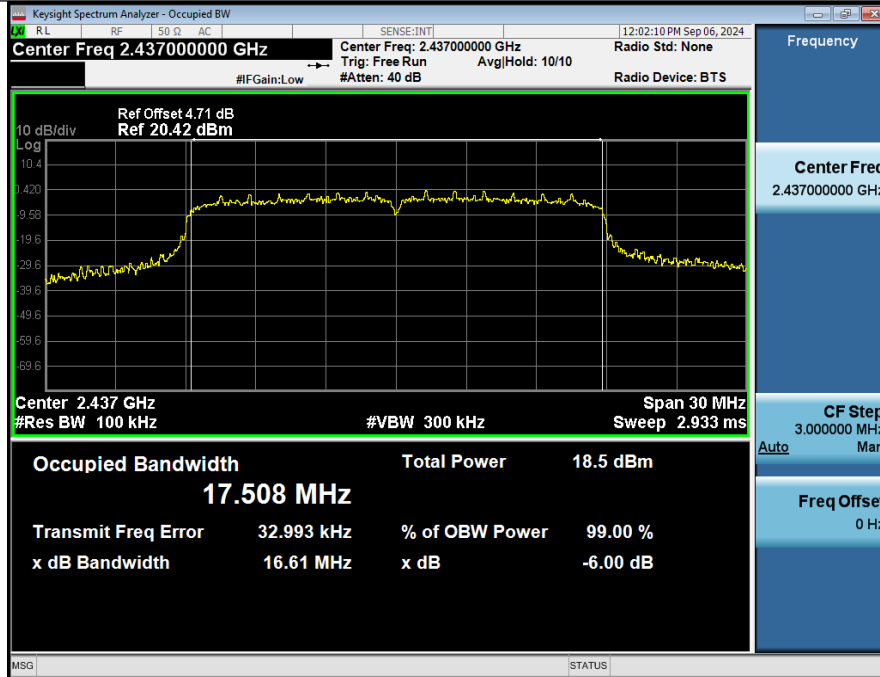
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



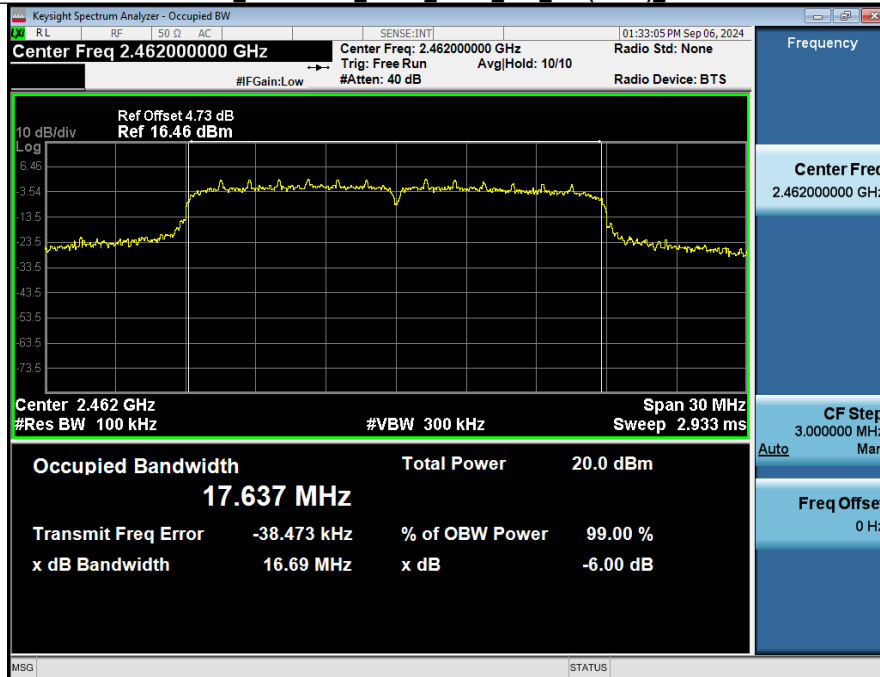
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



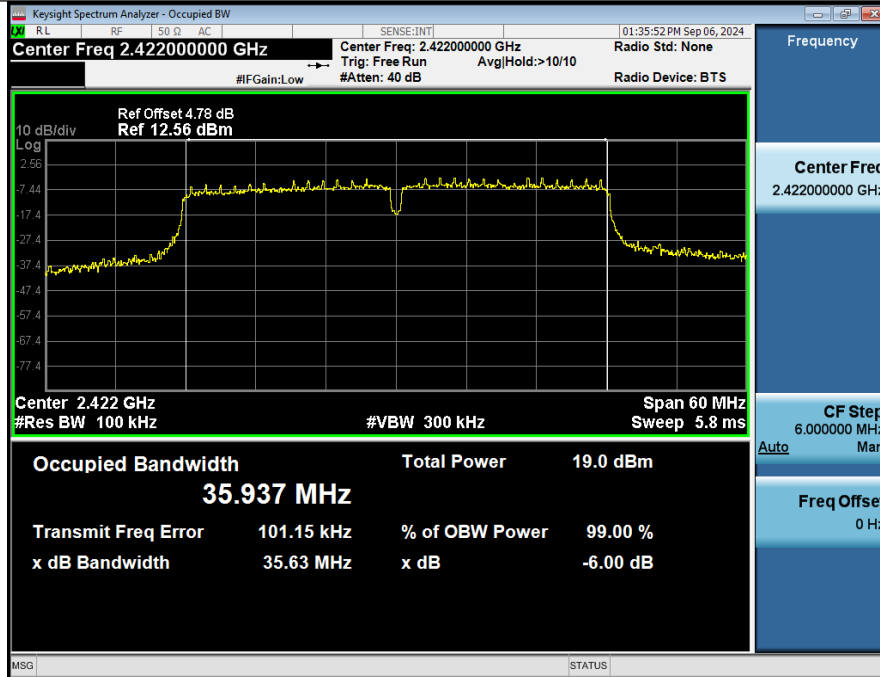
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



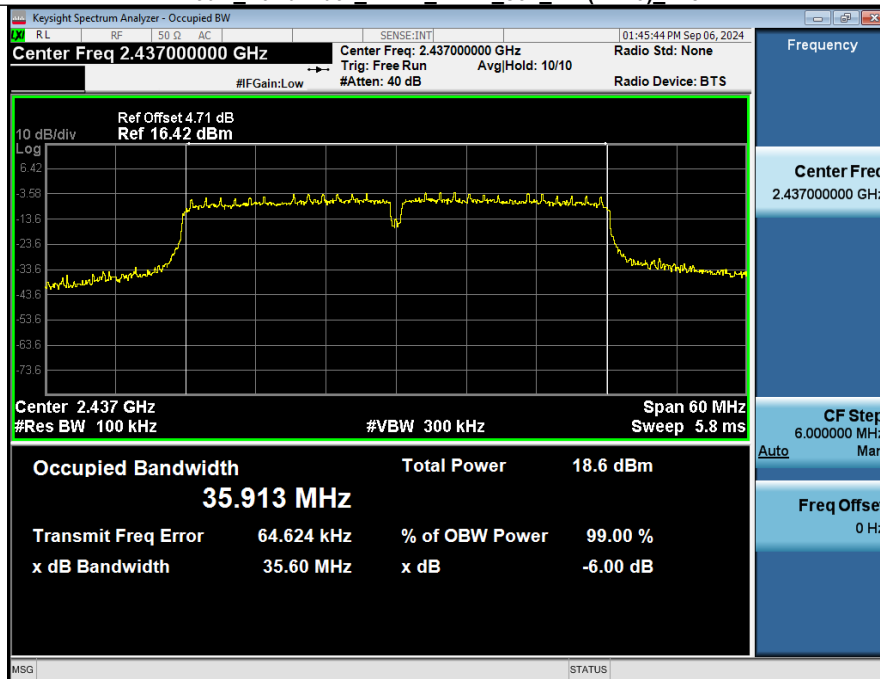
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



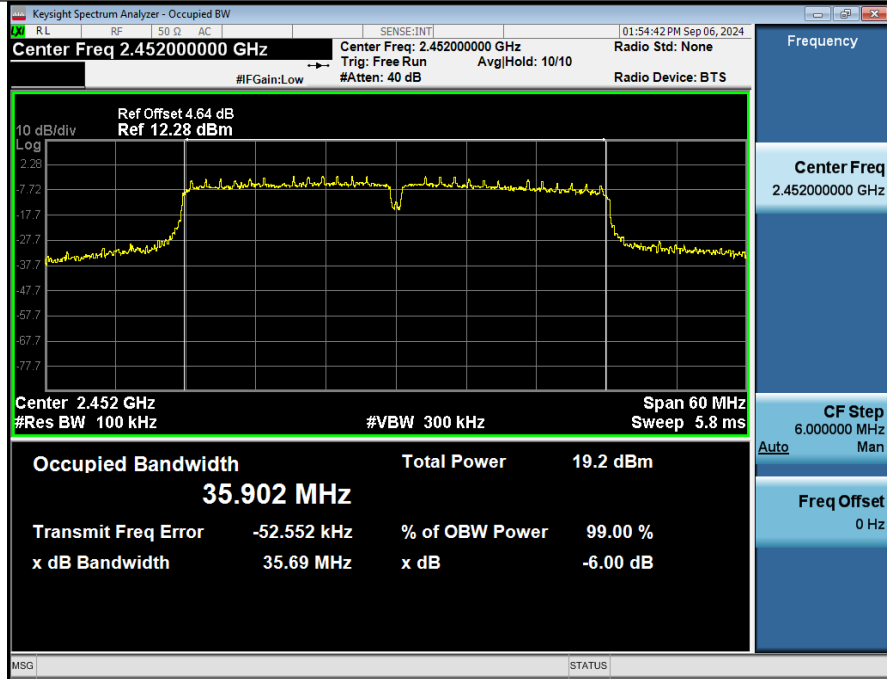
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

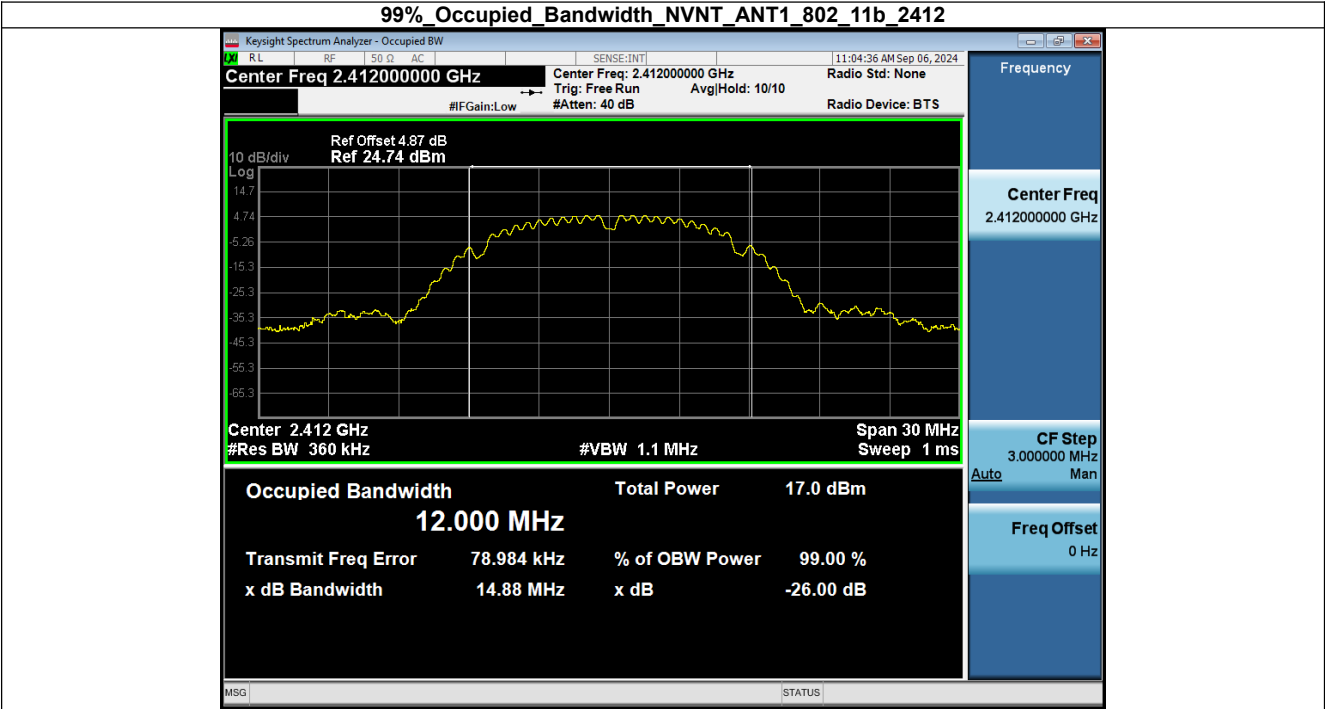


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

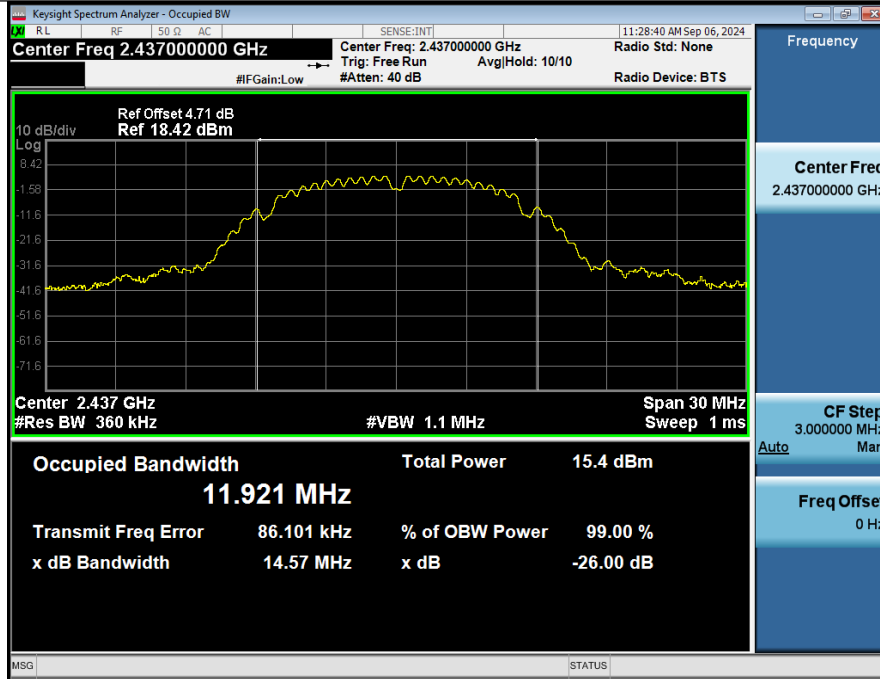


2. 99% Occupied Bandwidth

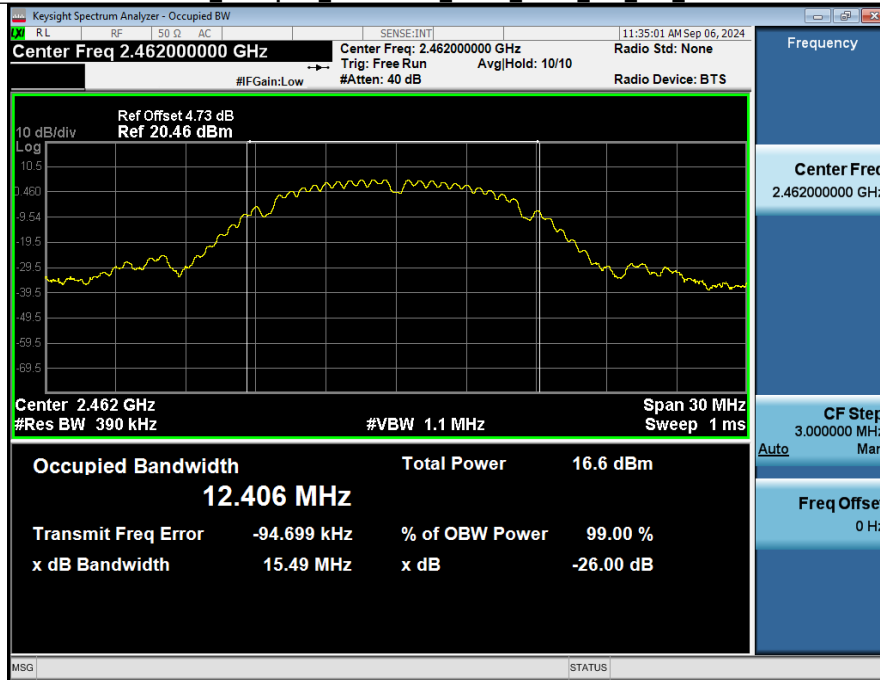
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.000
NVNT	ANT1	802.11b	2437.00	11.921
NVNT	ANT1	802.11b	2462.00	12.406
NVNT	ANT1	802.11g	2412.00	17.651
NVNT	ANT1	802.11g	2437.00	17.177
NVNT	ANT1	802.11g	2462.00	18.506
NVNT	ANT1	802.11n(HT20)	2412.00	18.097
NVNT	ANT1	802.11n(HT20)	2437.00	17.754
NVNT	ANT1	802.11n(HT20)	2462.00	18.208
NVNT	ANT1	802.11n(HT40)	2422.00	36.432
NVNT	ANT1	802.11n(HT40)	2437.00	36.366
NVNT	ANT1	802.11n(HT40)	2452.00	36.347



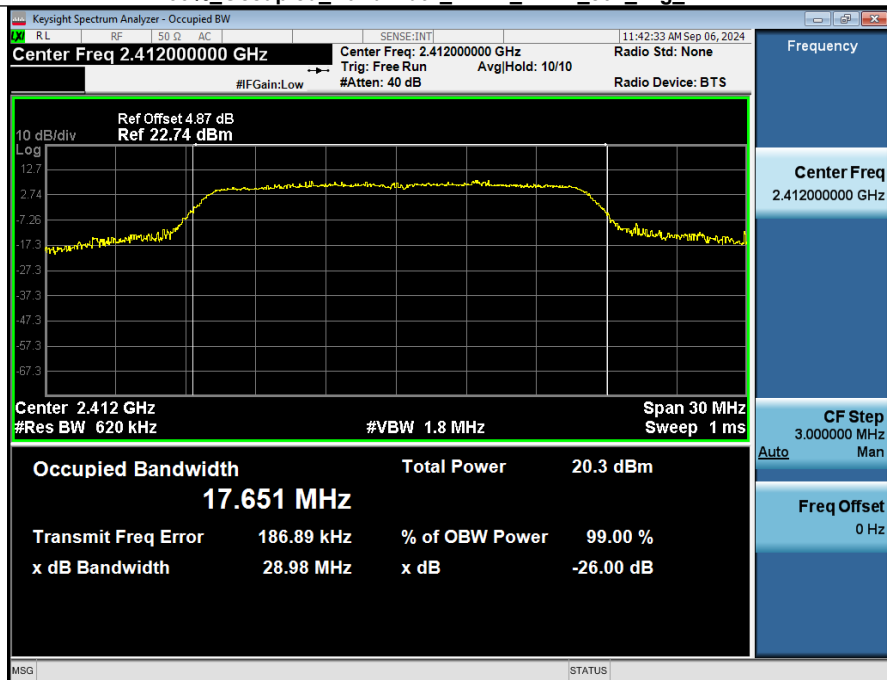
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



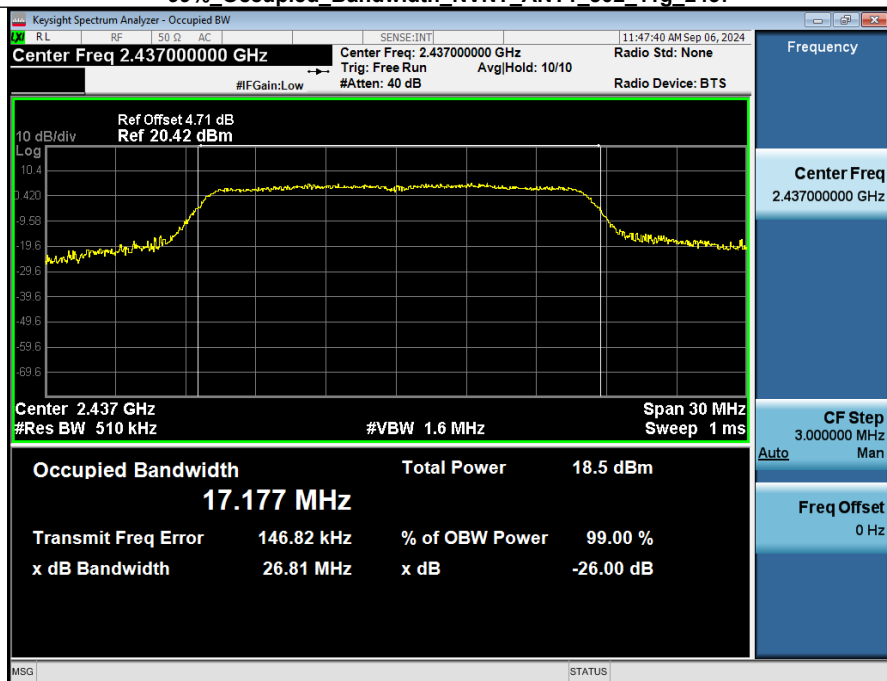
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



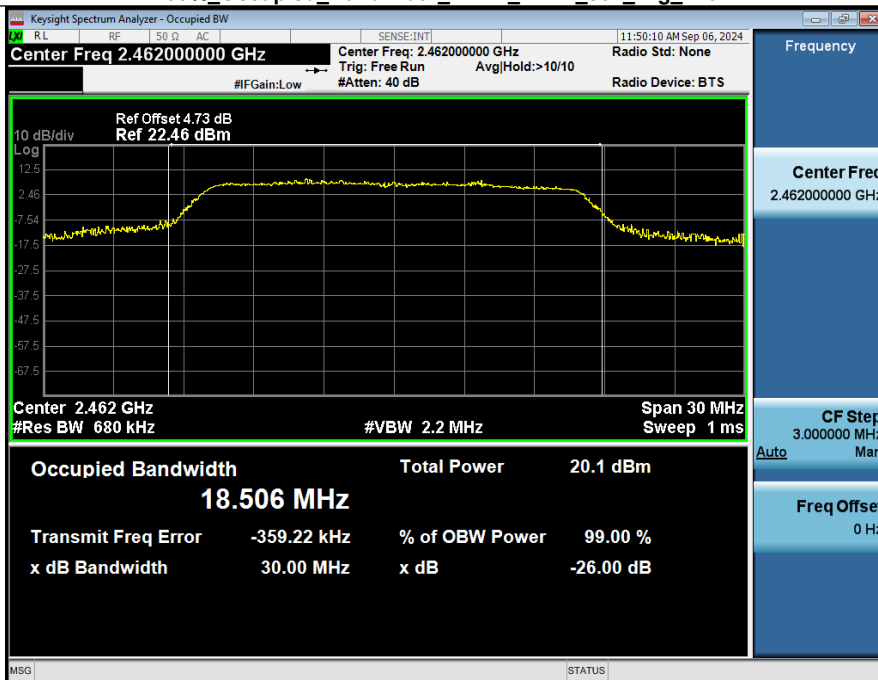
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



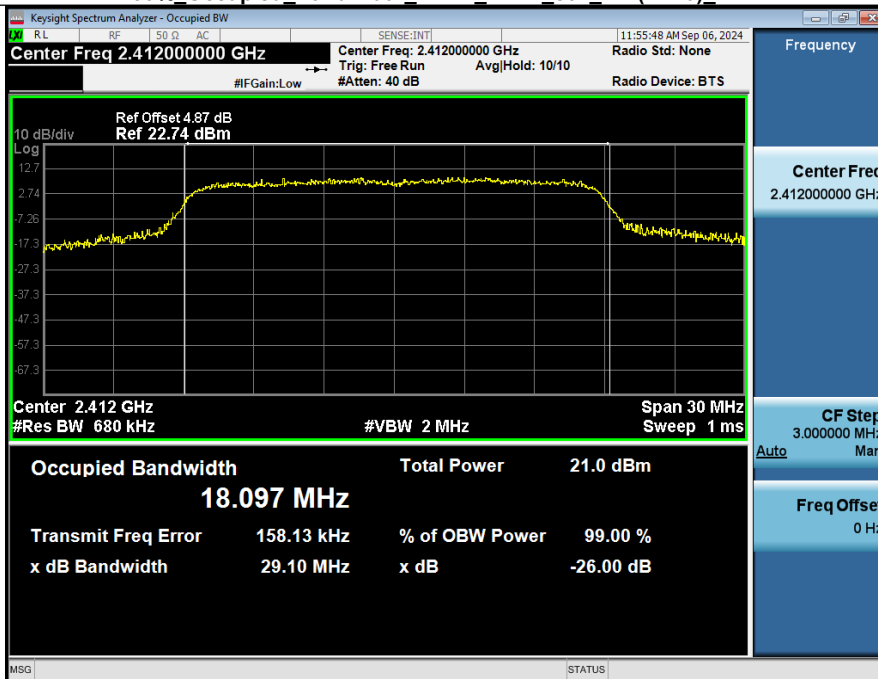
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437

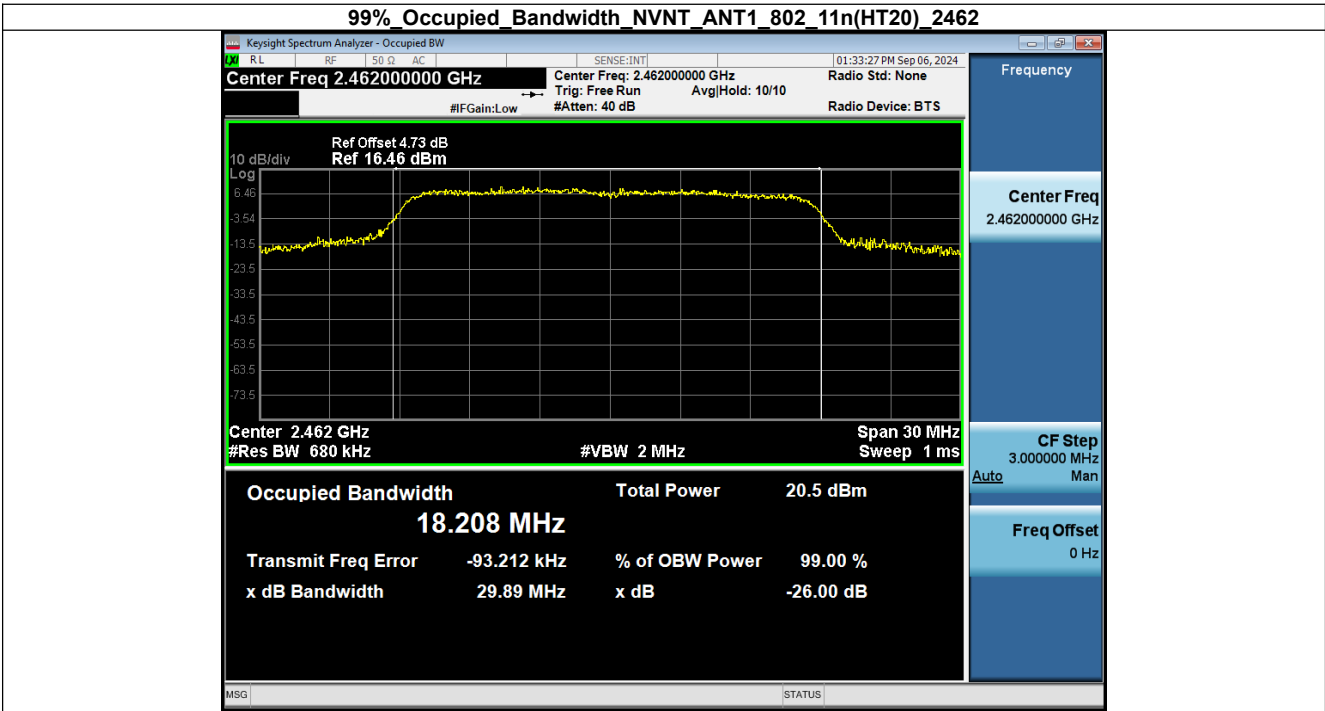
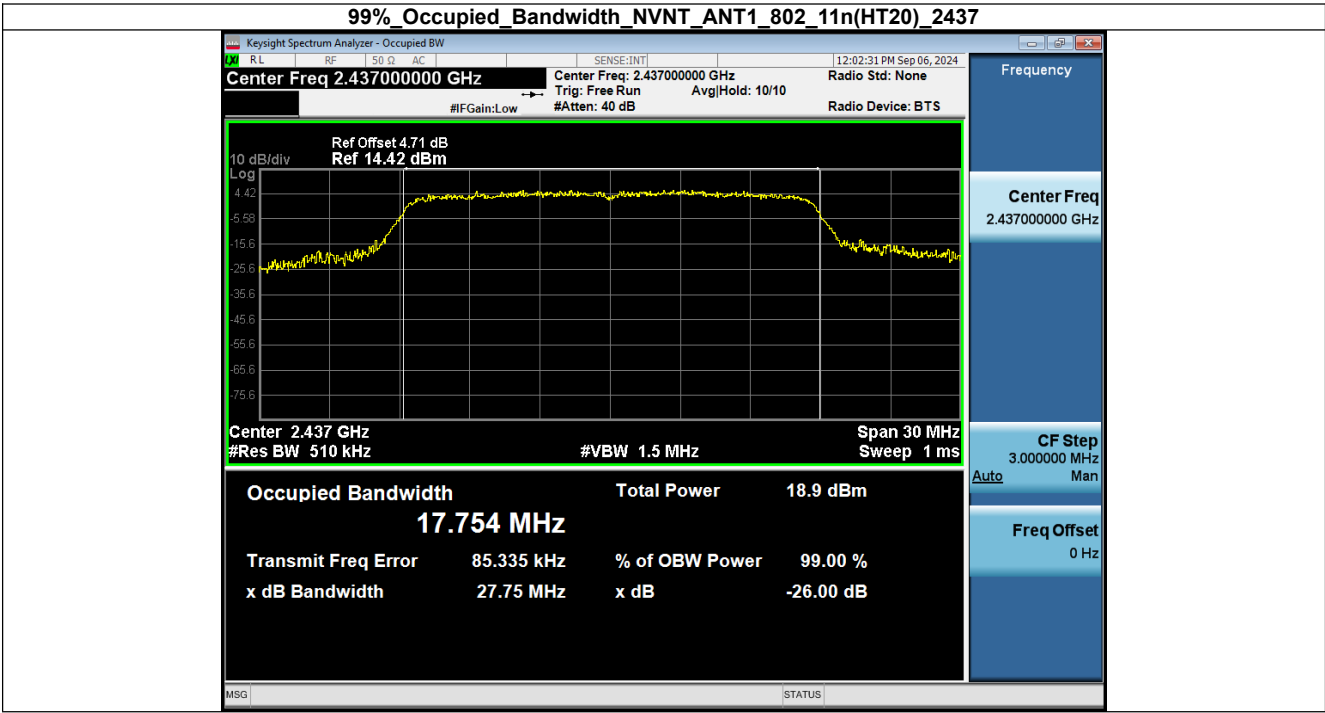


99% Occupied Bandwidth NVNT_ANT1_802_11g_2462

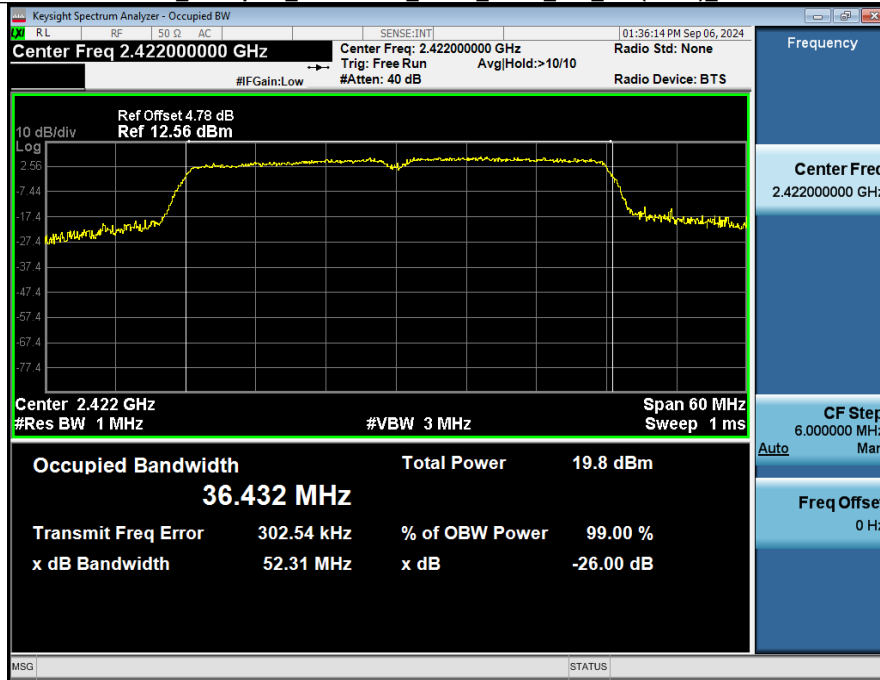


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412

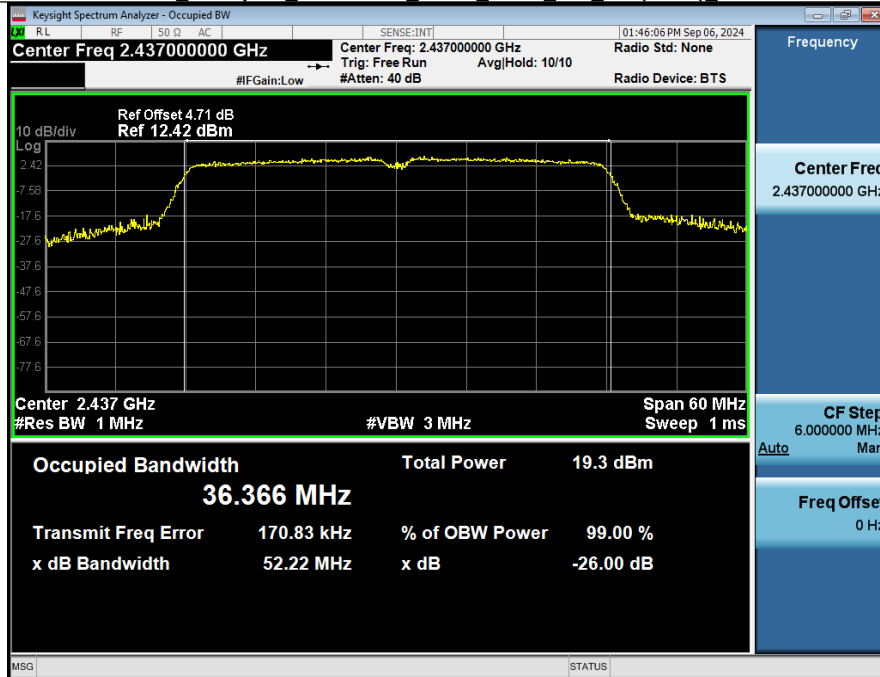


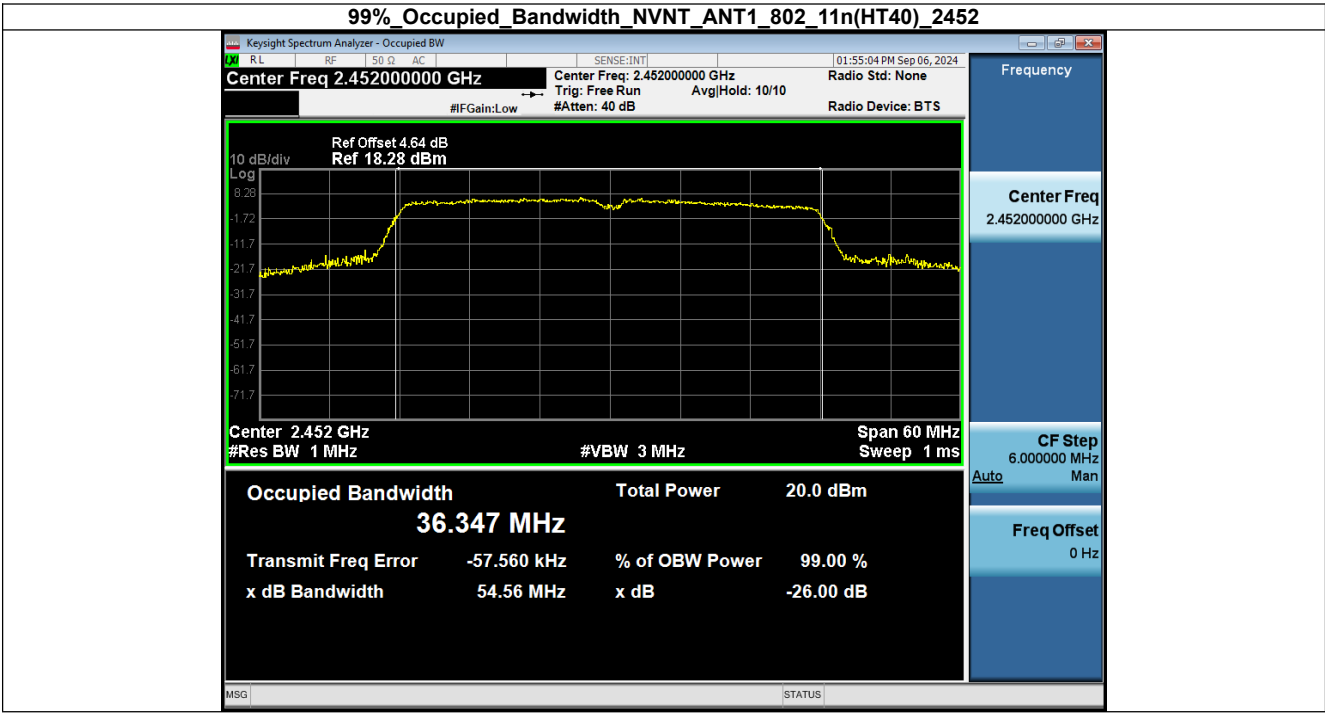


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT40)_2422



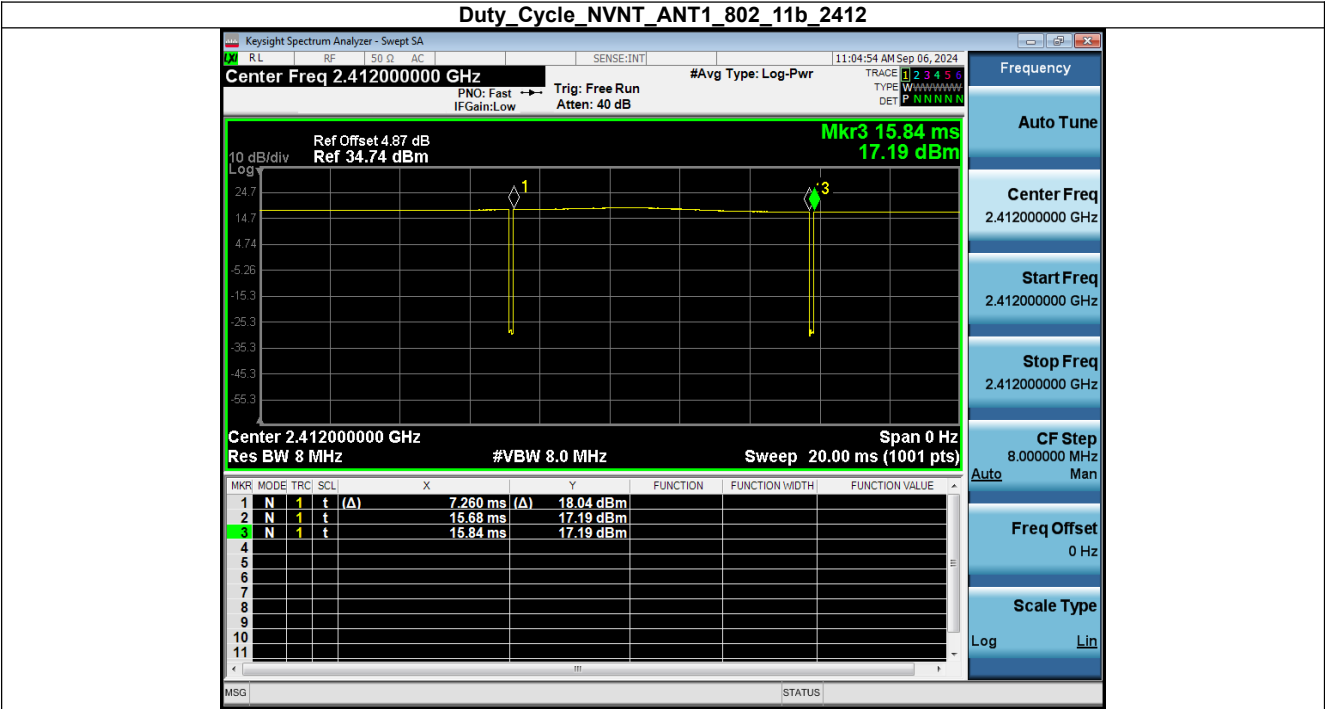
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT40)_2437



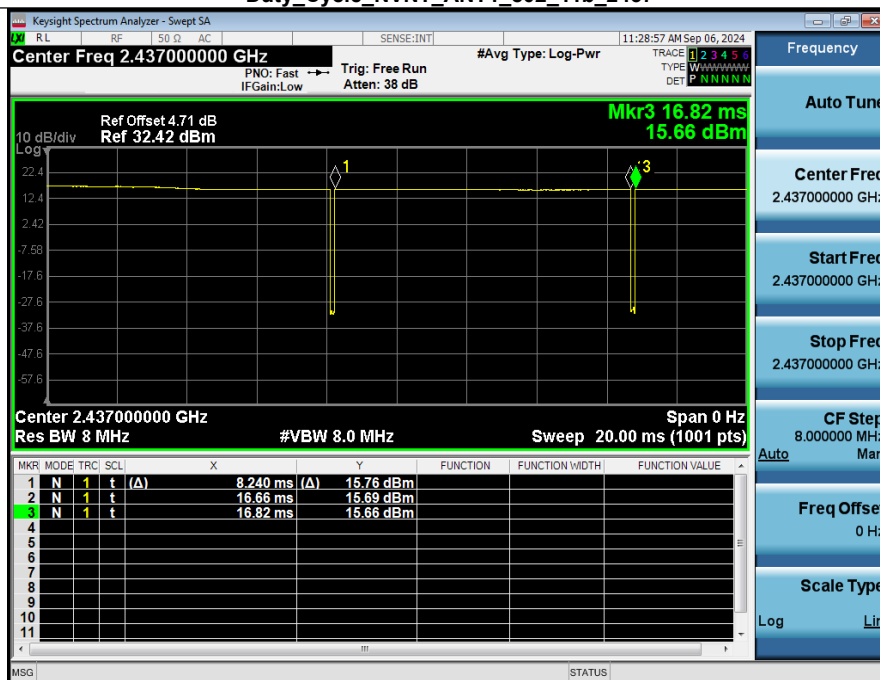


3. Duty Cycle

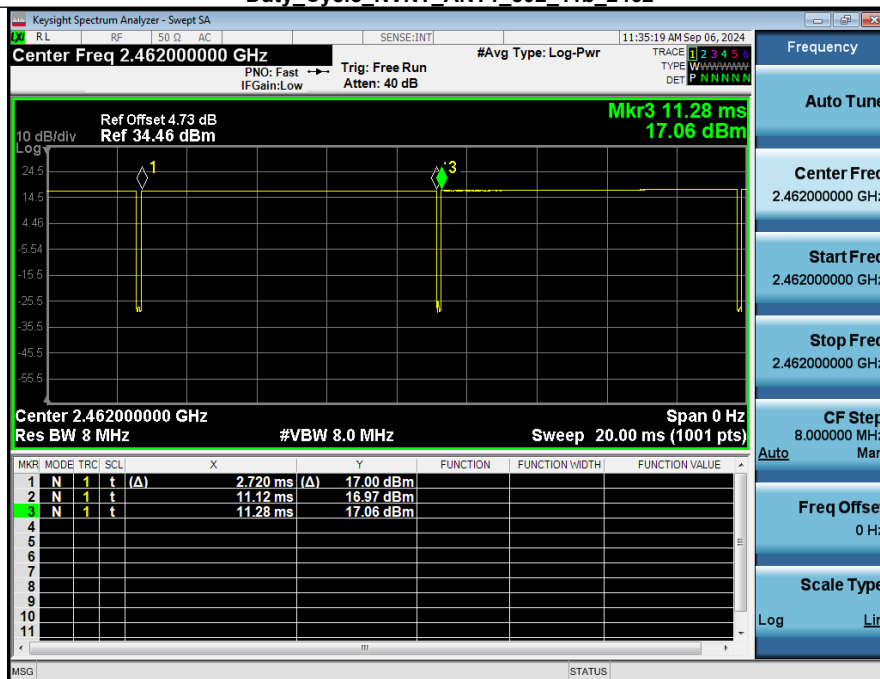
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	98.37	0.00
NVNT	ANT1	802.11b	2437.00	98.37	0.00
NVNT	ANT1	802.11b	2462.00	98.36	0.00
NVNT	ANT1	802.11g	2412.00	92.21	0.35
NVNT	ANT1	802.11g	2437.00	92.21	0.35
NVNT	ANT1	802.11g	2462.00	90.91	0.41
NVNT	ANT1	802.11n(HT20)	2412.00	89.55	0.48
NVNT	ANT1	802.11n(HT20)	2437.00	89.55	0.48
NVNT	ANT1	802.11n(HT20)	2462.00	89.55	0.48
NVNT	ANT1	802.11n(HT40)	2422.00	83.78	0.77
NVNT	ANT1	802.11n(HT40)	2437.00	83.78	0.77
NVNT	ANT1	802.11n(HT40)	2452.00	83.78	0.77



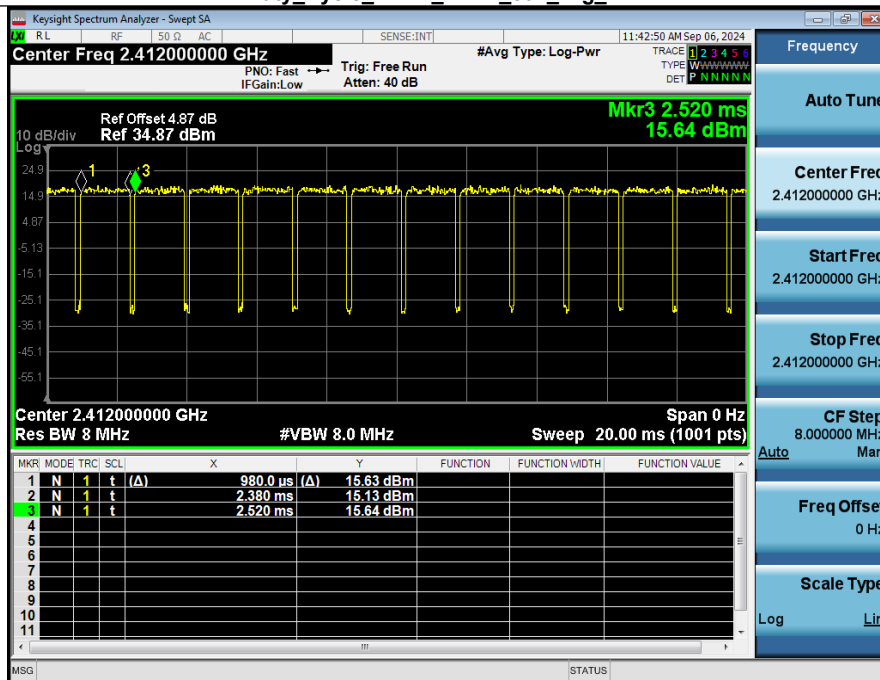
Duty Cycle NVNT_ANT1_802_11b_2437



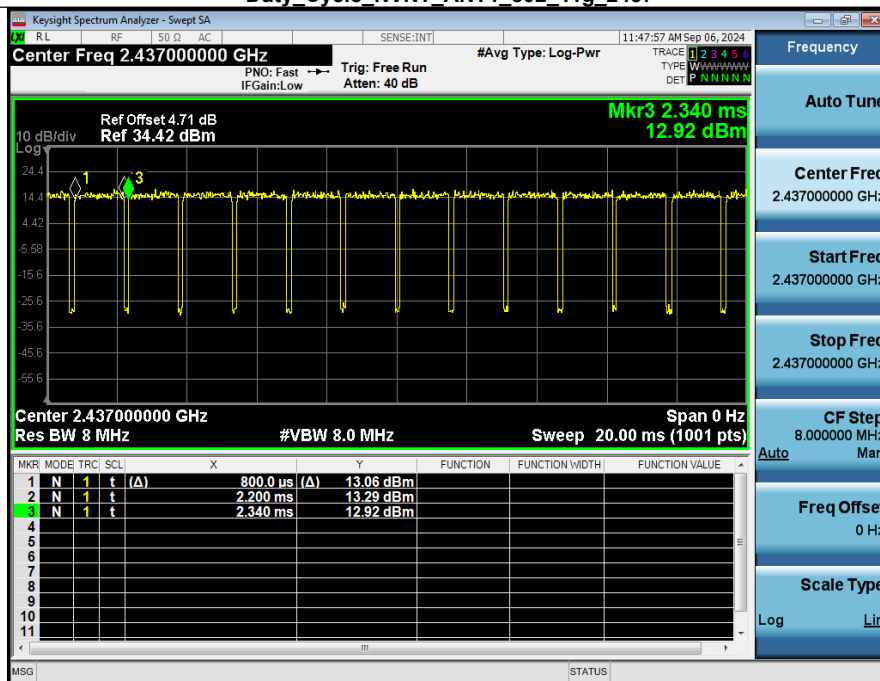
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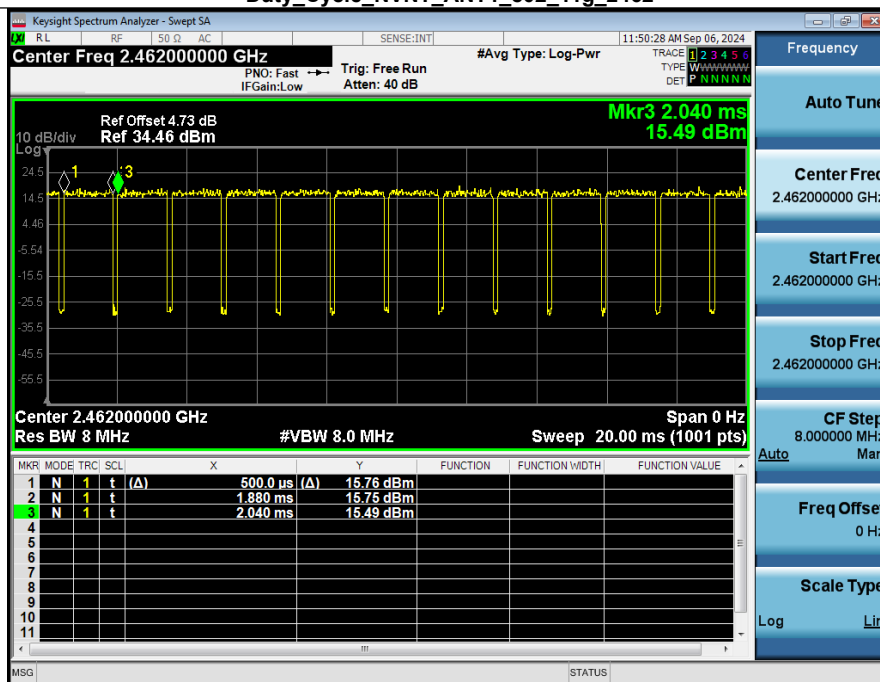
Duty Cycle NVNT_ANT1_802_11g_2412



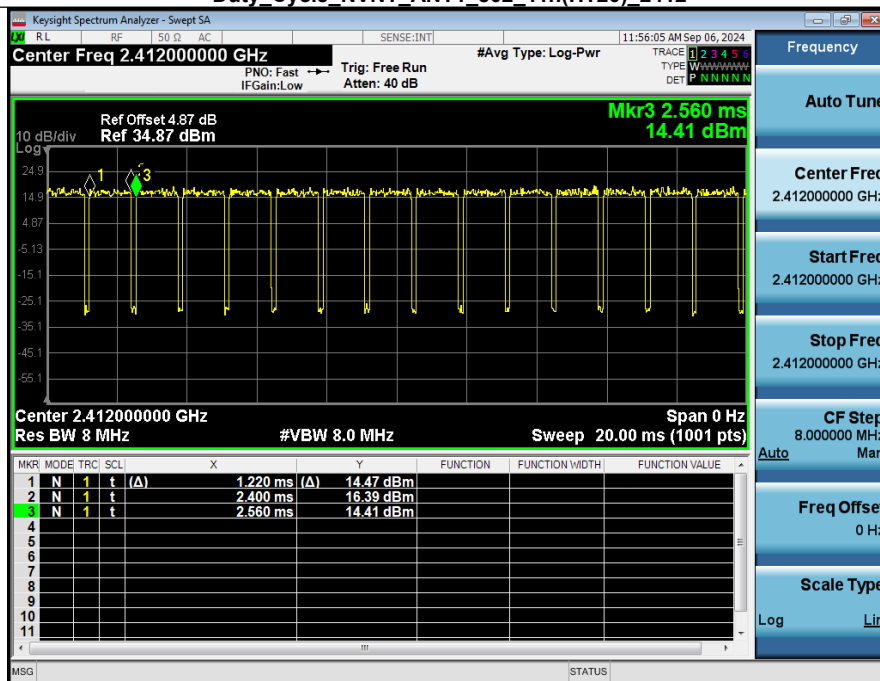
Duty Cycle NVNT_ANT1_802_11g_2437



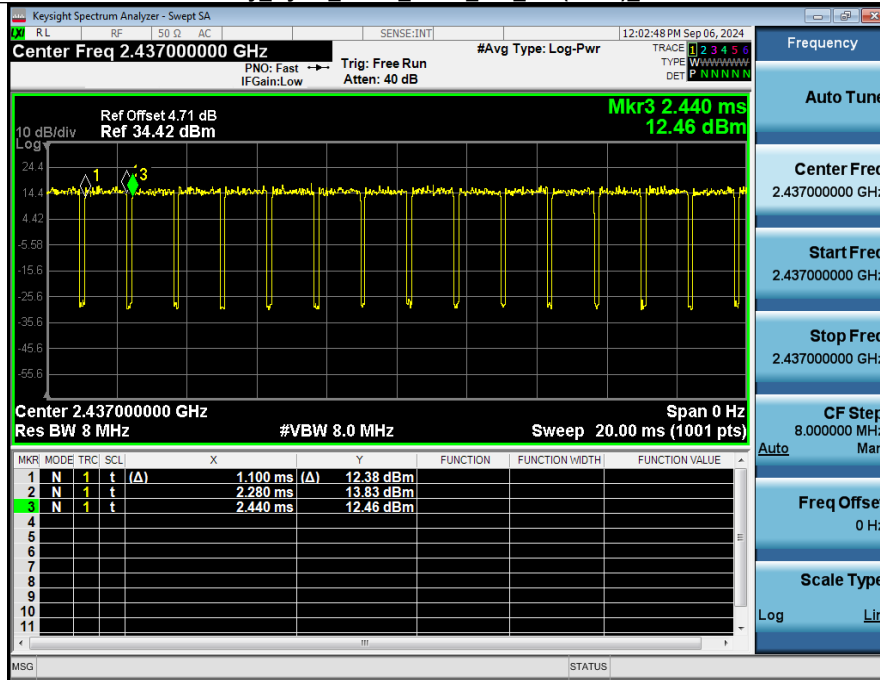
Duty Cycle NVNT_ANT1_802_11g_2462



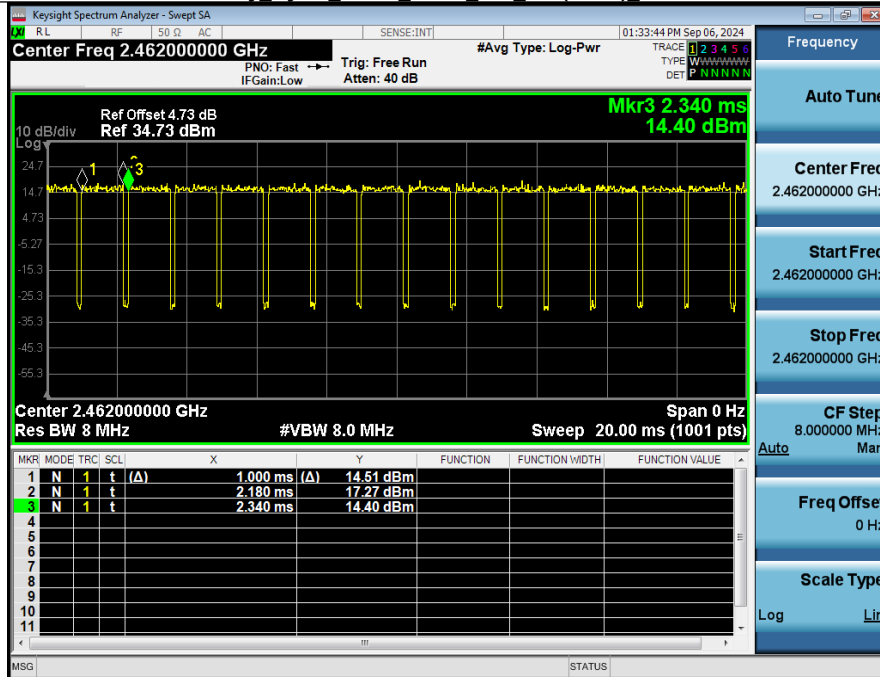
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



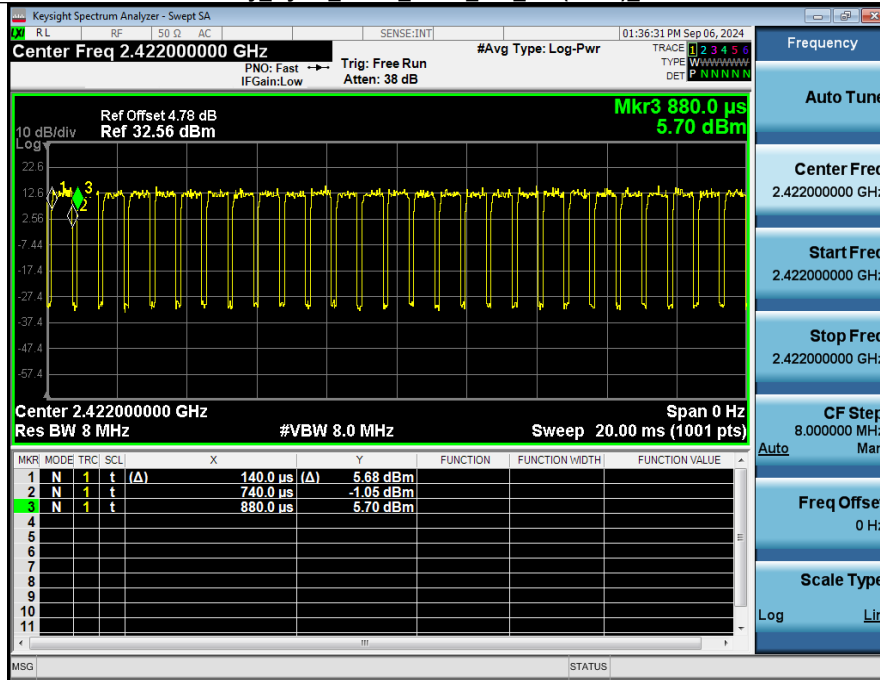
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



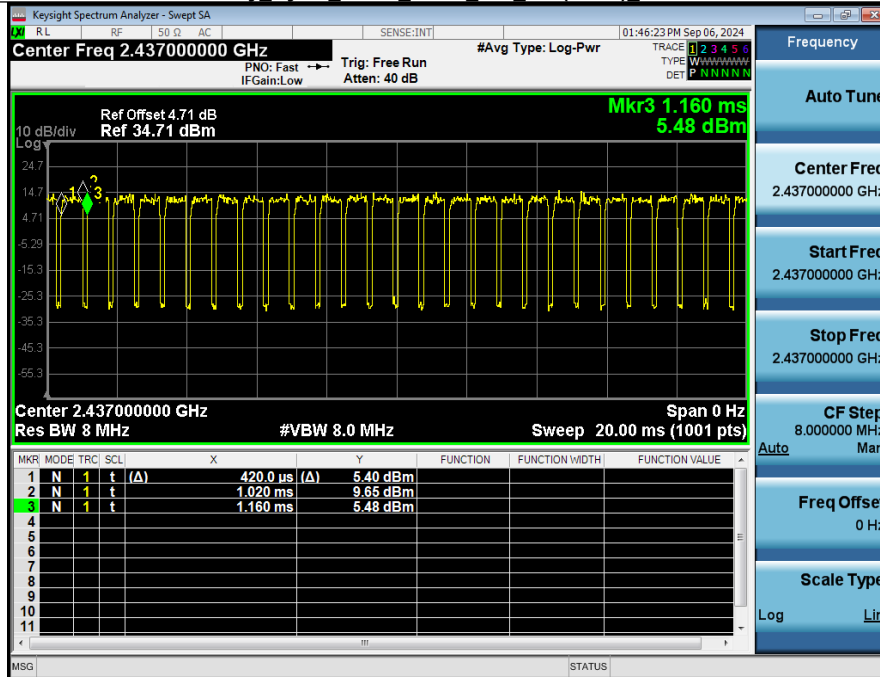
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



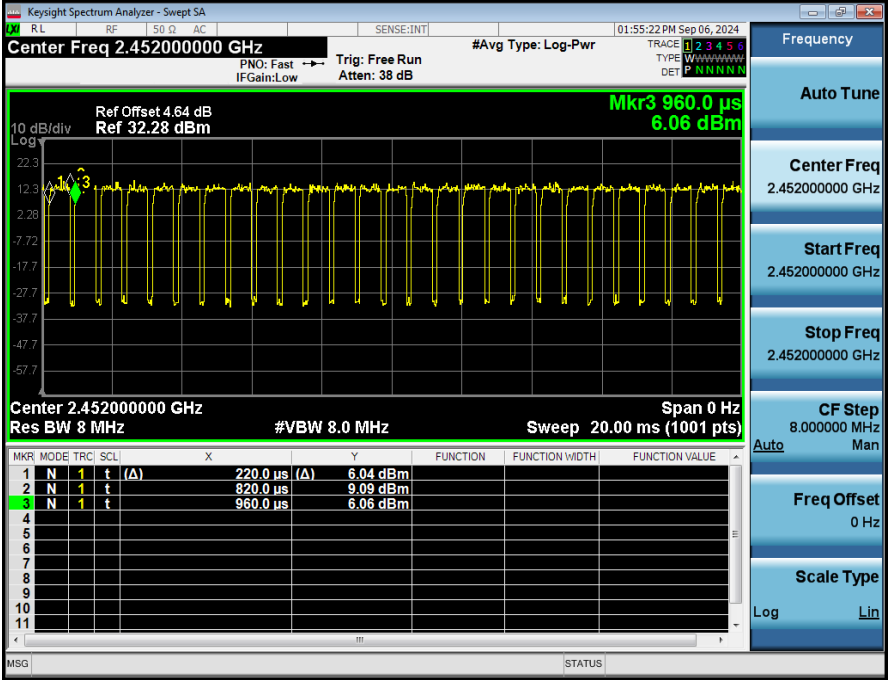
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



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	4.29	-10.00	-5.71	8	Pass
NVNT	ANT1	802.11b	2437.00	-0.24	-10.00	-10.24	8	Pass
NVNT	ANT1	802.11b	2462.00	1.89	-10.00	-8.11	8	Pass
NVNT	ANT1	802.11g	2412.00	-1.87	-10.00	-11.87	8	Pass
NVNT	ANT1	802.11g	2437.00	-4.23	-10.00	-14.23	8	Pass
NVNT	ANT1	802.11g	2462.00	-2.66	-10.00	-12.66	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-2.72	-10.00	-12.72	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-4.57	-10.00	-14.57	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-3.13	-10.00	-13.13	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-7.70	-10.00	-17.70	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-8.00	-10.00	-18.00	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-7.21	-10.00	-17.21	8	Pass



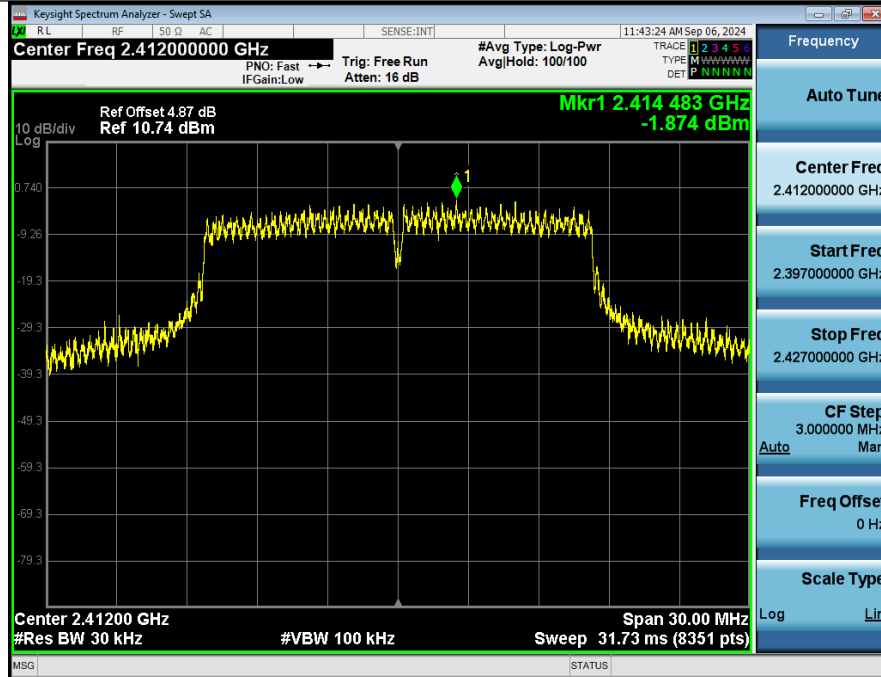
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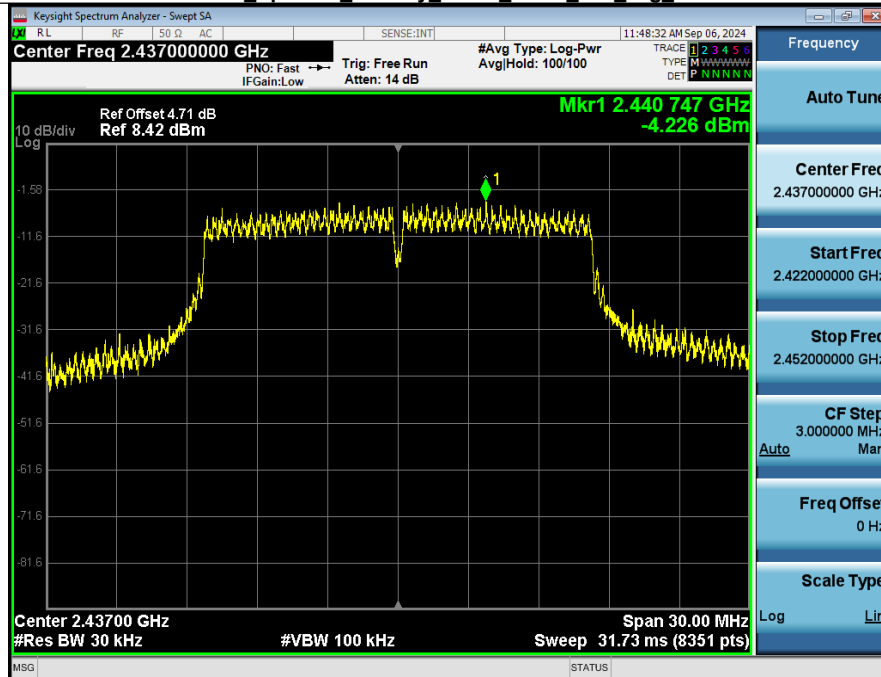
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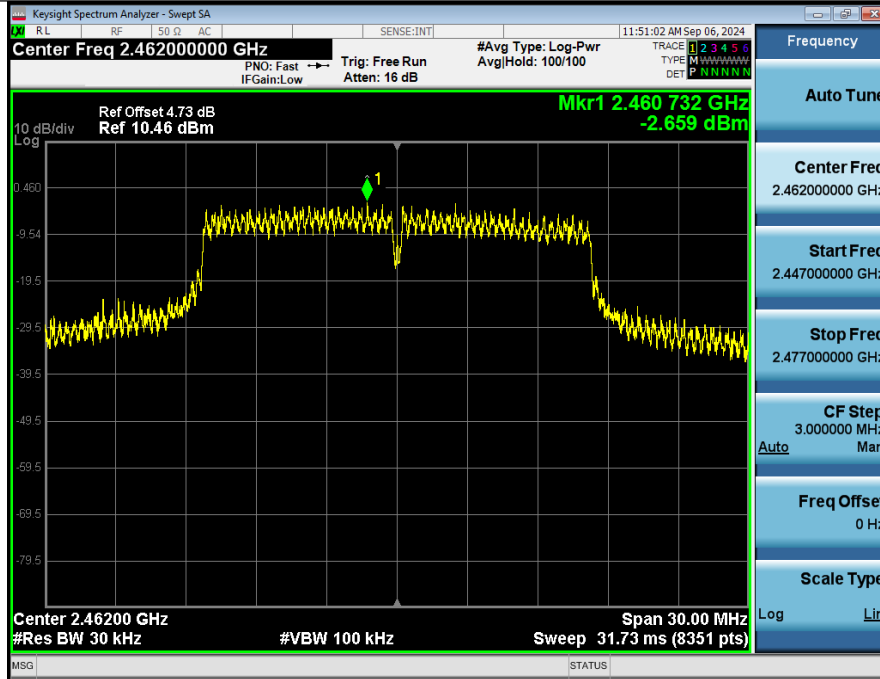
Power Spectral Density NVNT_ANT1_802_11g_2412



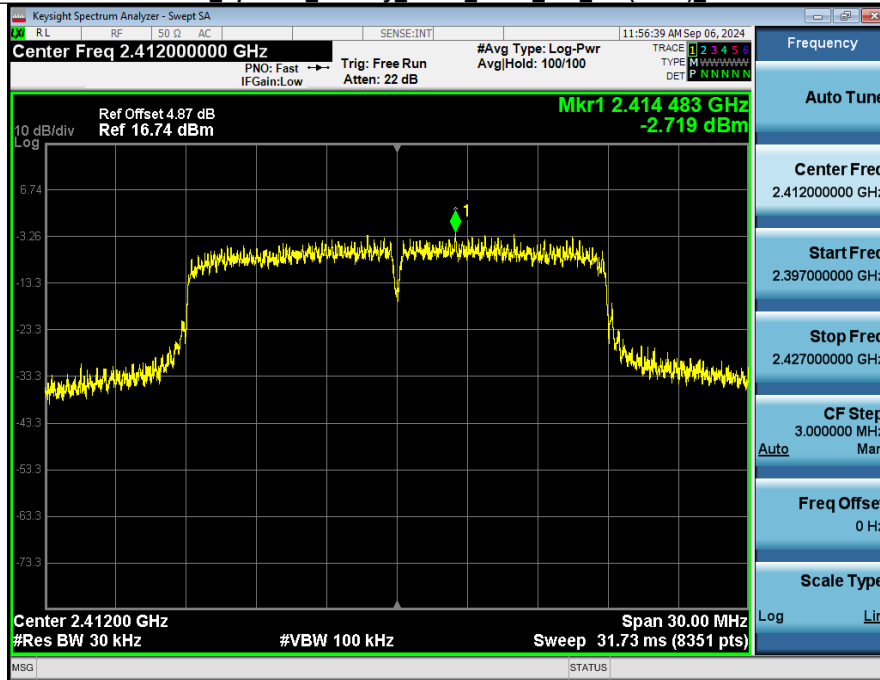
Power Spectral Density NVNT_ANT1_802_11g_2437



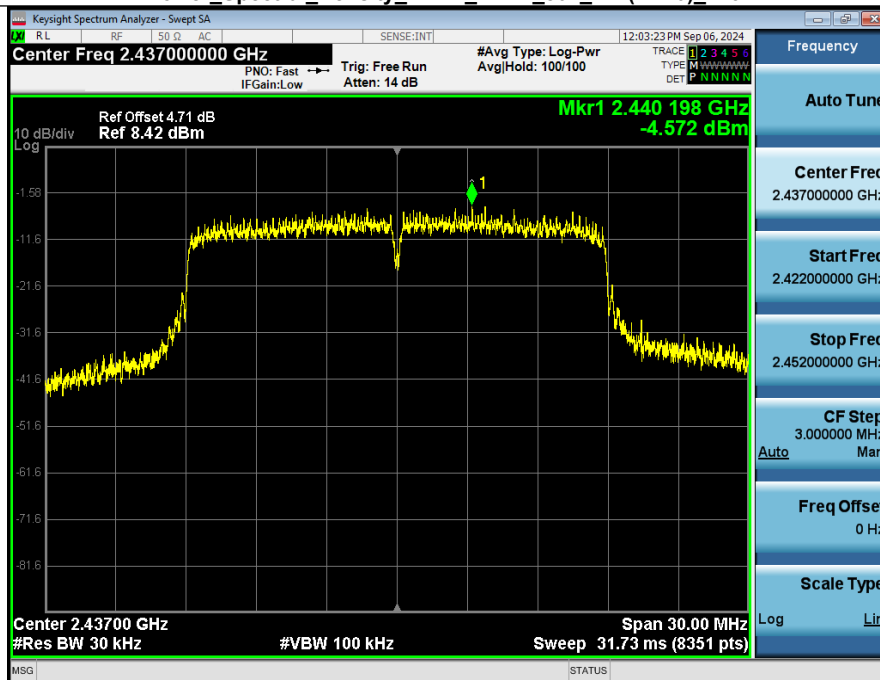
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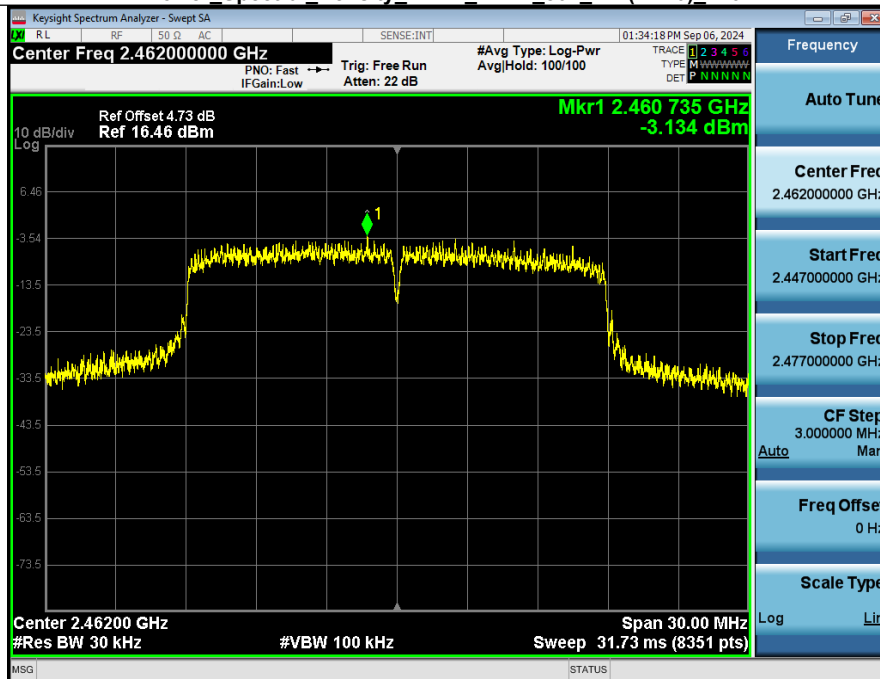
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



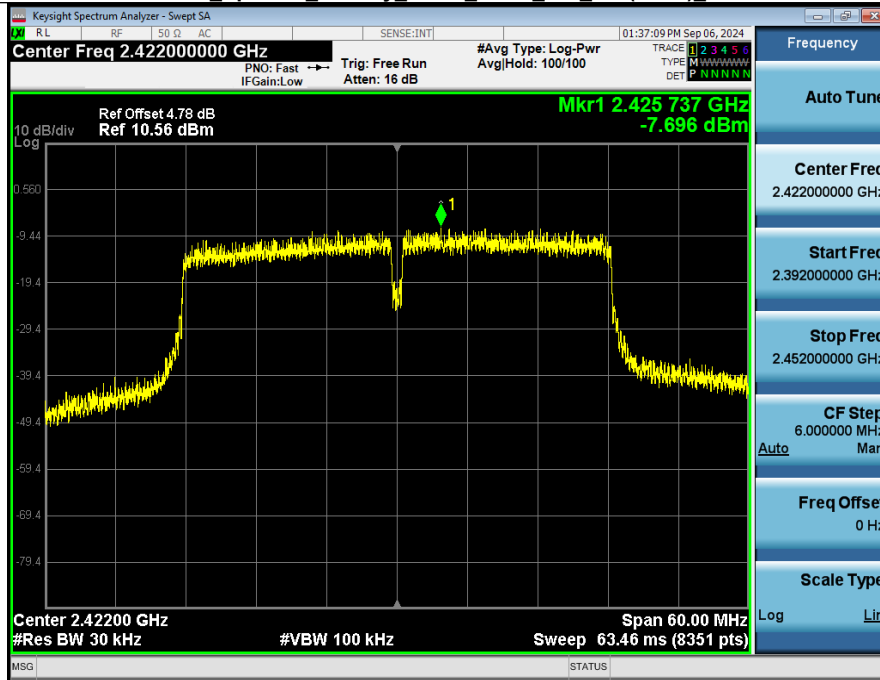
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2437



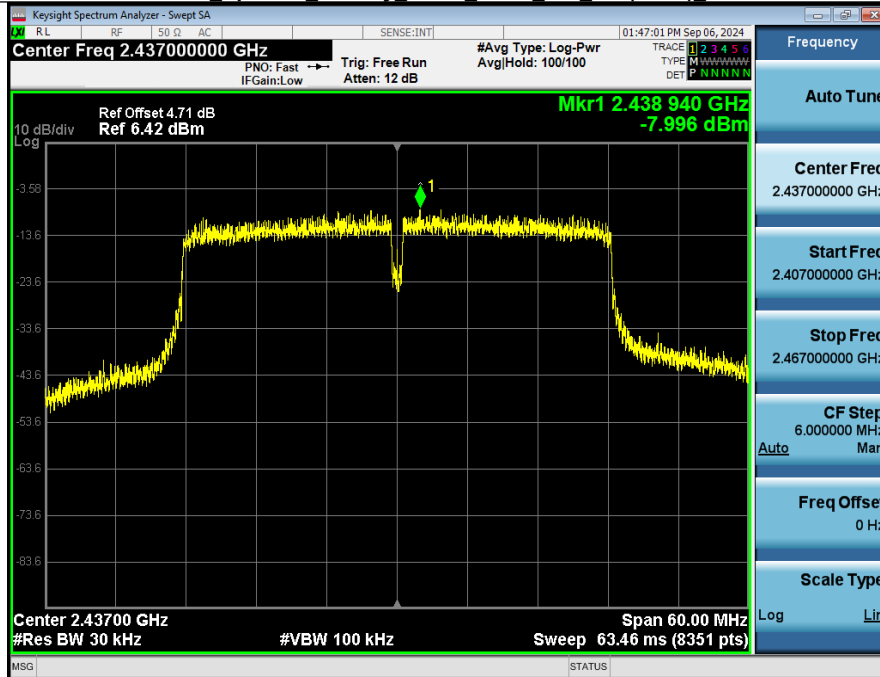
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462

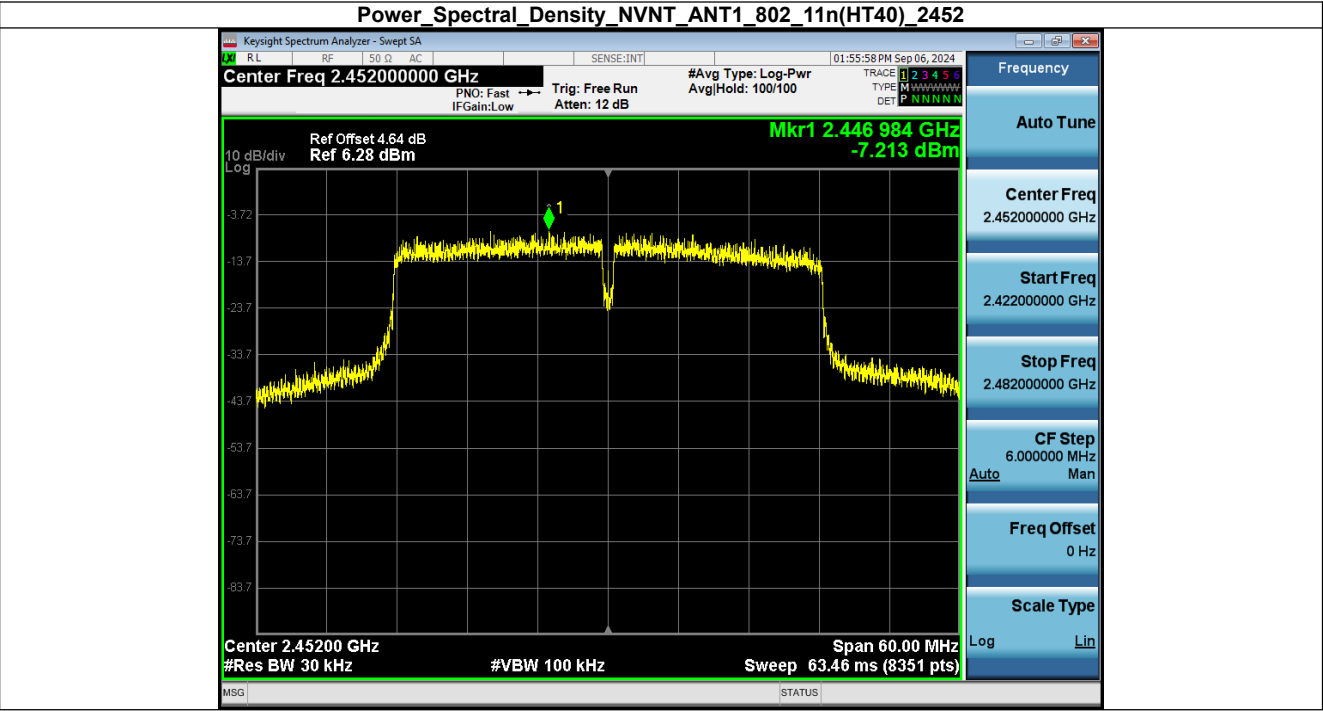


Power Spectral Density NVNT_ANT1_802_11n(HT40)_2422



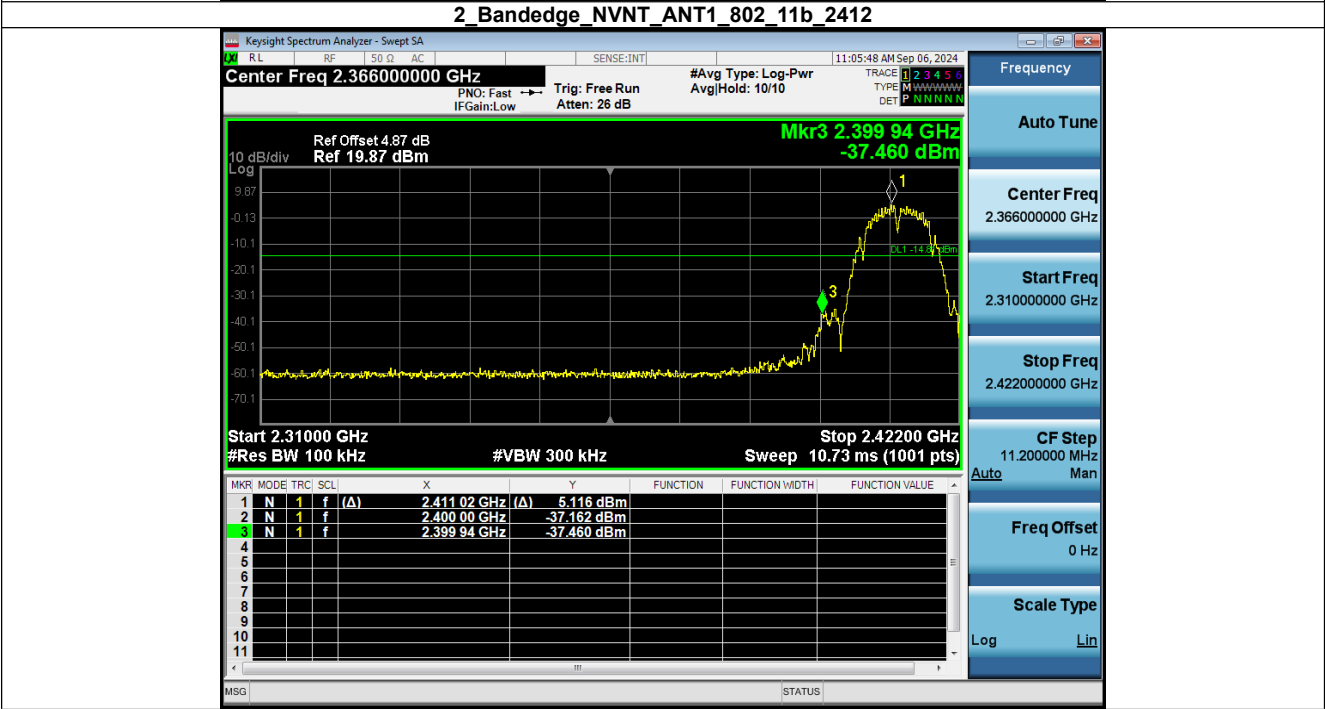
Power Spectral Density NVNT_ANT1_802_11n(HT40)_2437





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	-37.460	-14.813	Pass
NVNT	ANT1	802.11b	2462.00	2487.232	-58.168	-15.170	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	-23.892	-17.499	Pass
NVNT	ANT1	802.11g	2462.00	2483.728	-36.921	-17.894	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-25.150	-18.678	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.824	-38.518	-18.773	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-33.967	-22.741	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2483.544	-34.269	-22.415	Pass



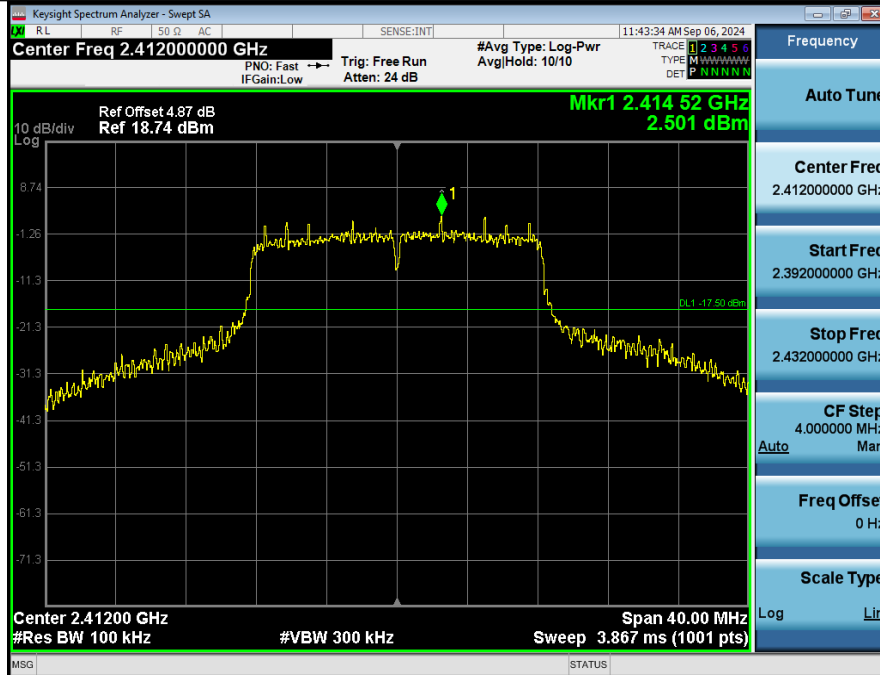
1 Reference Level_NVNT_ANT1_802_11b_2462



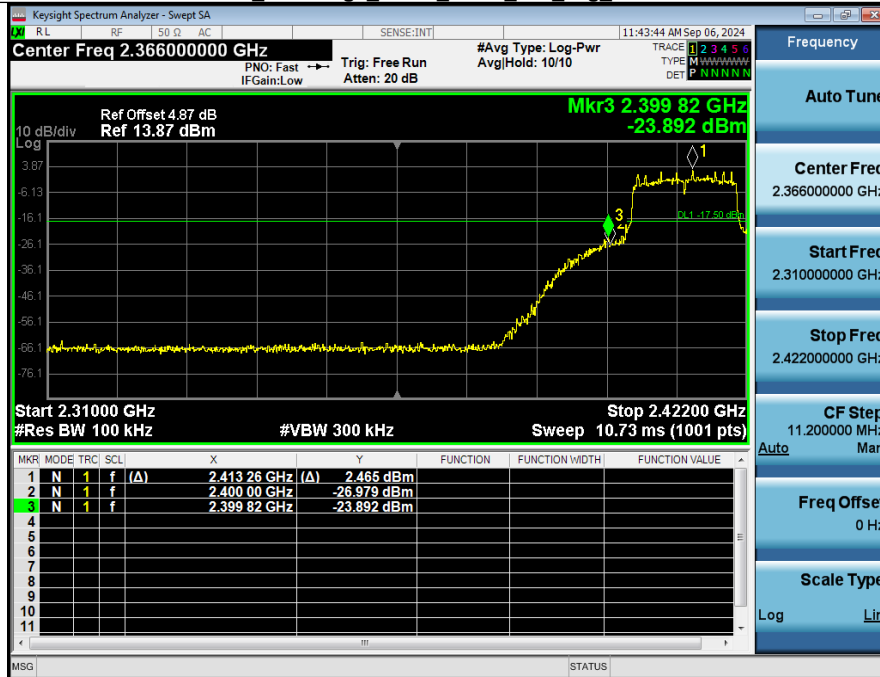
2 Bandedge_NVNT_ANT1_802_11b_2462



1 Reference Level NVNT_ANT1_802_11g_2412



2 Bandedge NVNT_ANT1_802_11g_2412



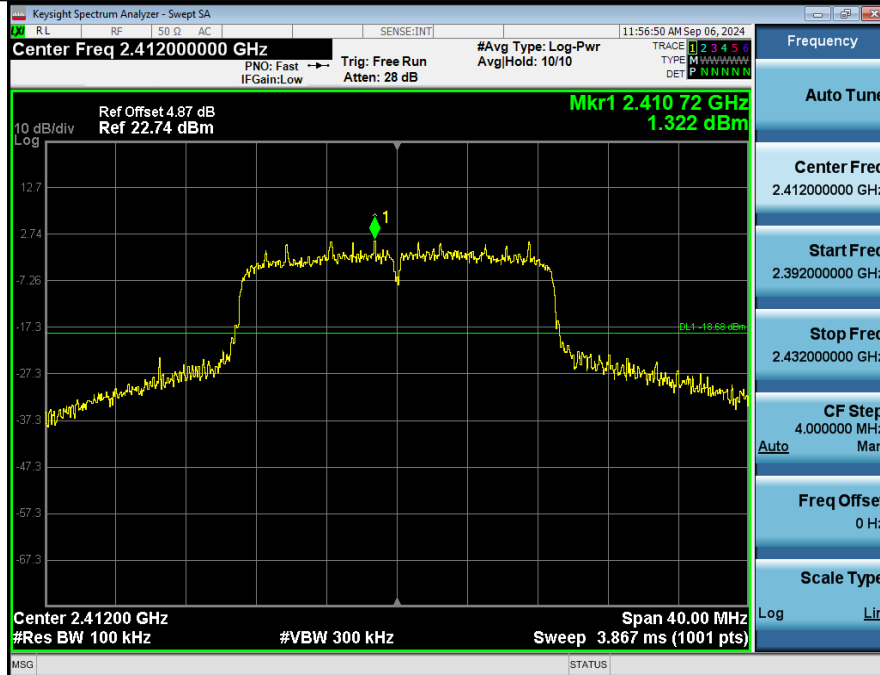
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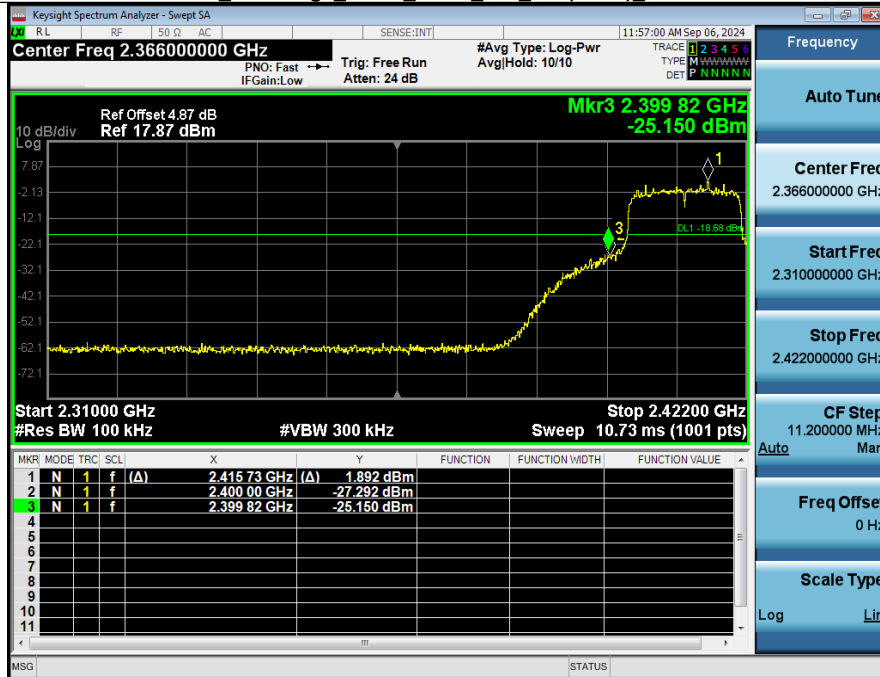
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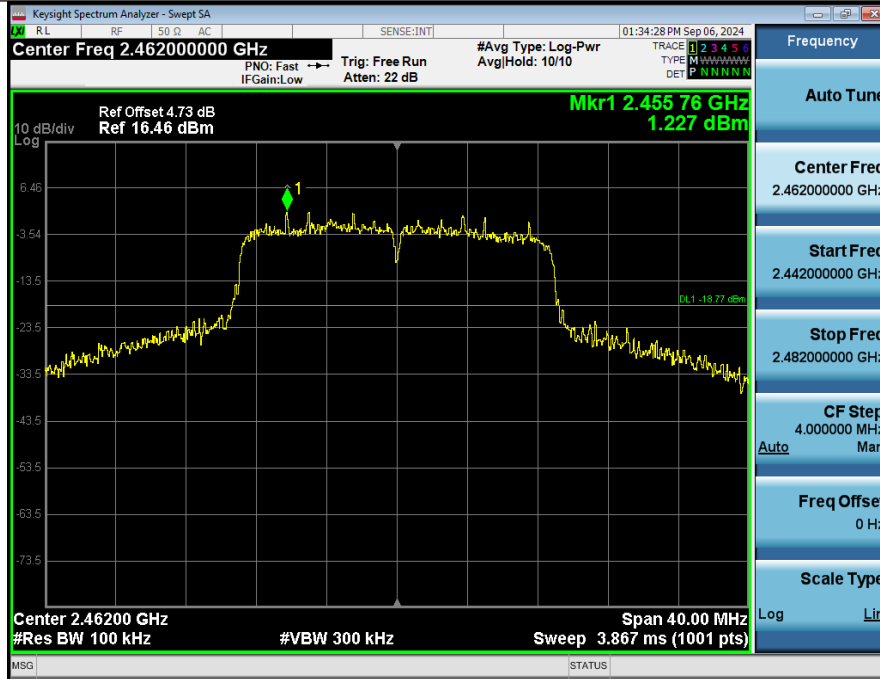
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



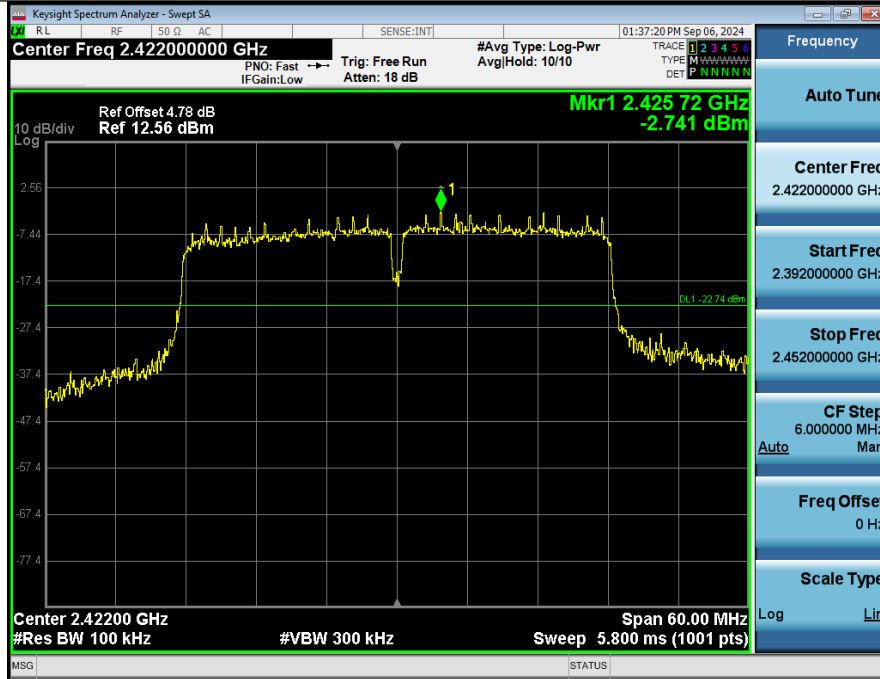
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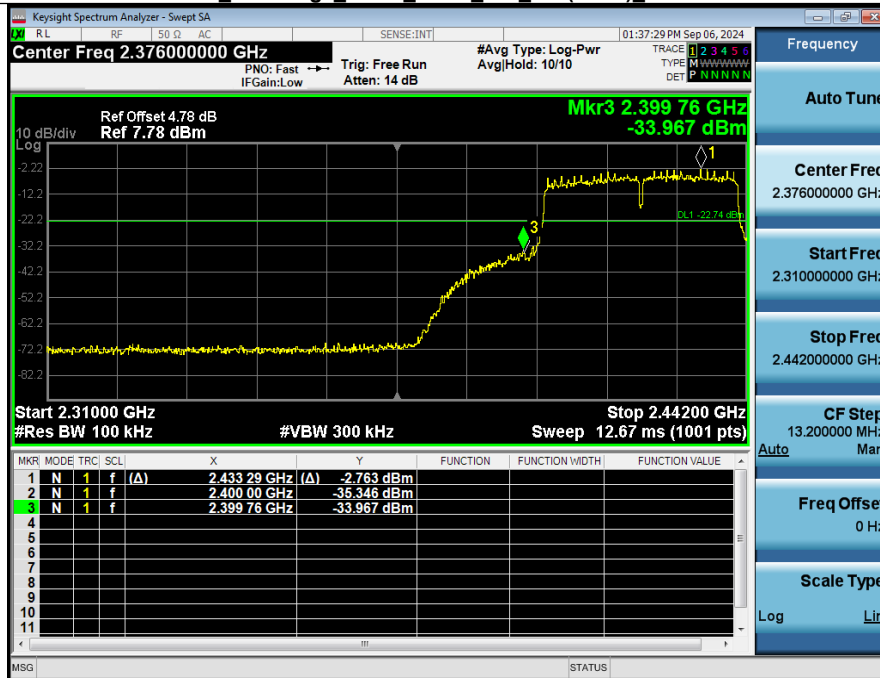
2 Bandedge_NVNT_ANT1_802_11n(HT20)_2462



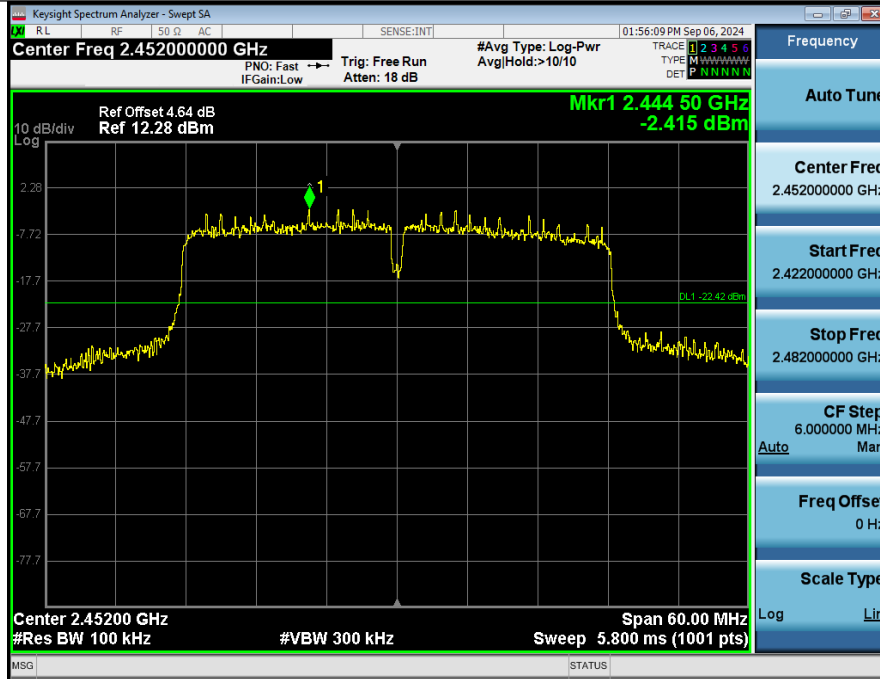
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2422



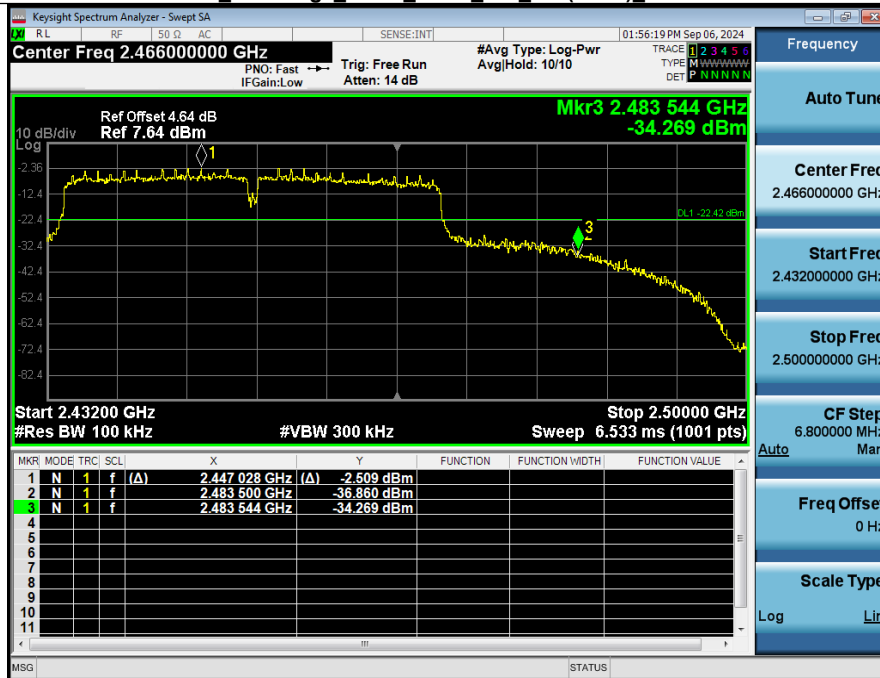
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference_Level_NVNT_ANT1_802_11n(HT40)_2452

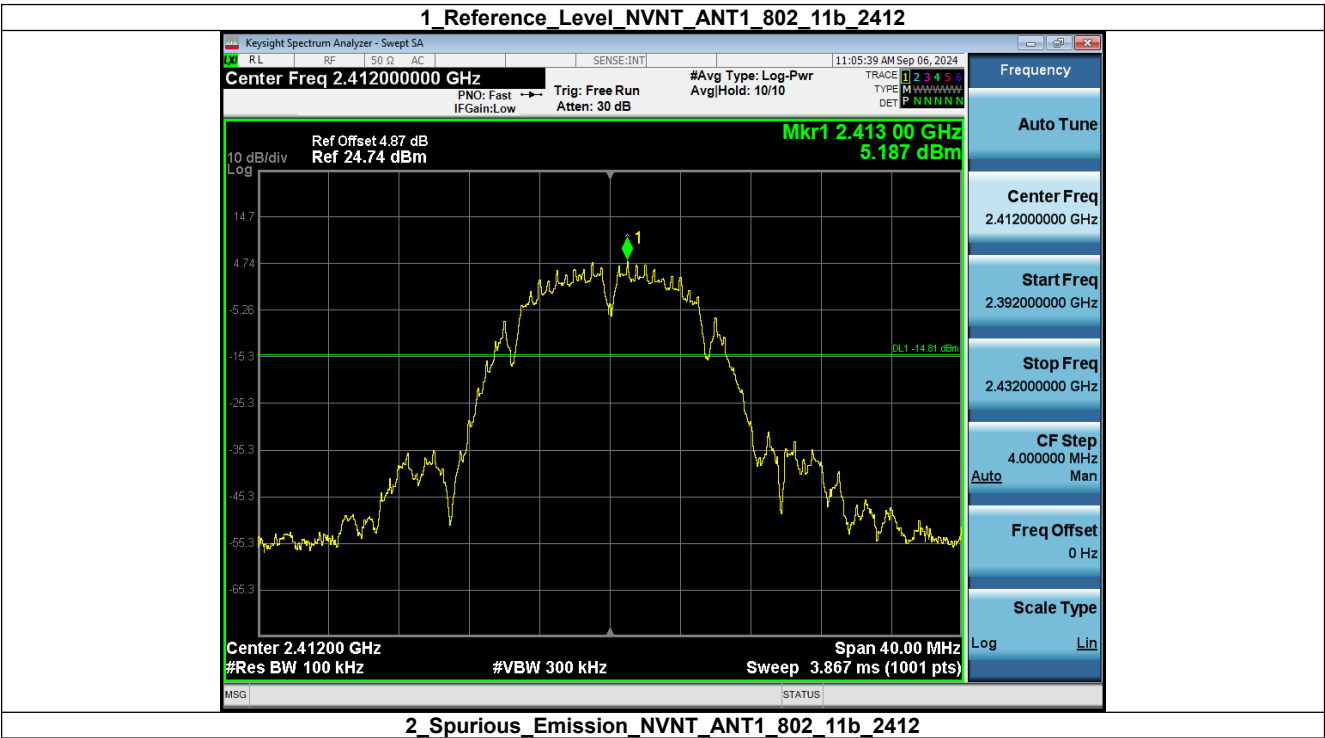


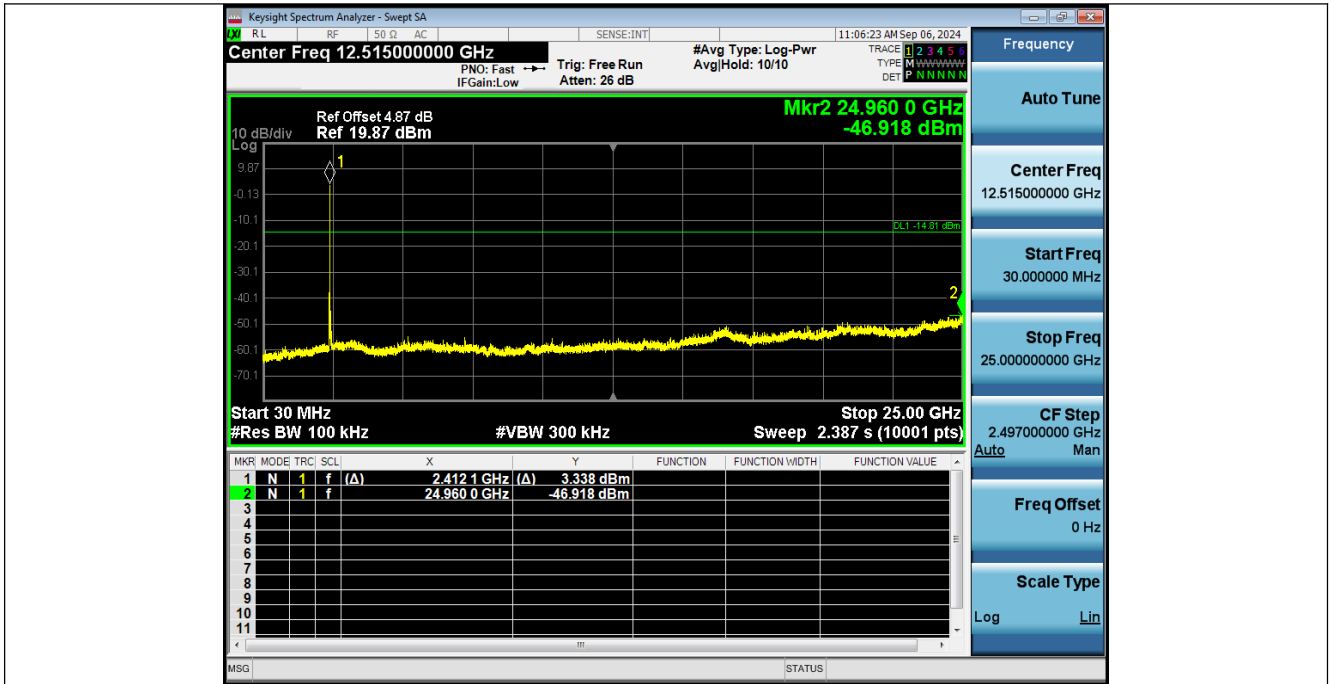
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



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	24960.048	-46.918	-14.813	Pass
NVNT	ANT1	802.11b	2437.00	24995.006	-52.455	-16.578	Pass
NVNT	ANT1	802.11b	2462.00	24880.144	-51.304	-15.170	Pass
NVNT	ANT1	802.11g	2412.00	24945.066	-53.168	-17.499	Pass
NVNT	ANT1	802.11g	2437.00	724.166	-54.424	-19.385	Pass
NVNT	ANT1	802.11g	2462.00	24967.539	-48.777	-17.894	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24907.611	-49.236	-18.678	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24970.036	-56.935	-20.451	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24870.156	-55.151	-18.773	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24932.581	-58.558	-22.741	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24957.551	-59.021	-23.305	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24960.048	-58.715	-22.415	Pass

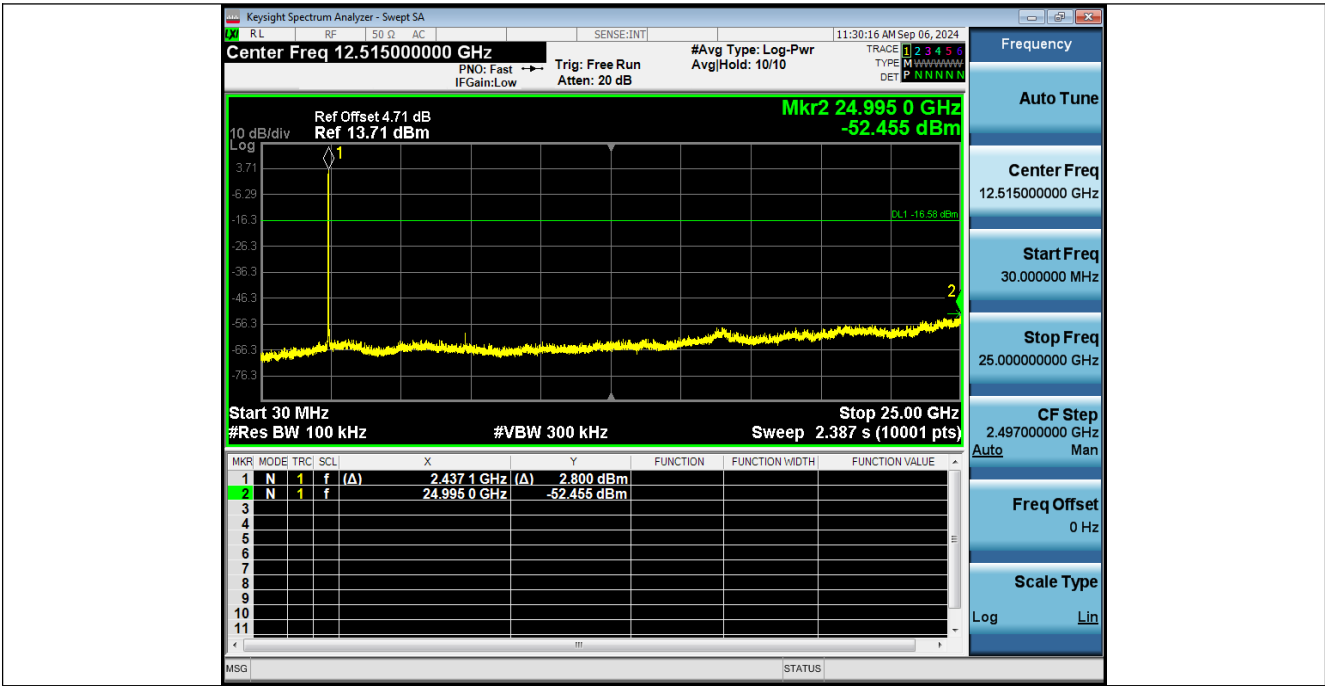




1 Reference Level NVNT_ANT1_802_11b_2437



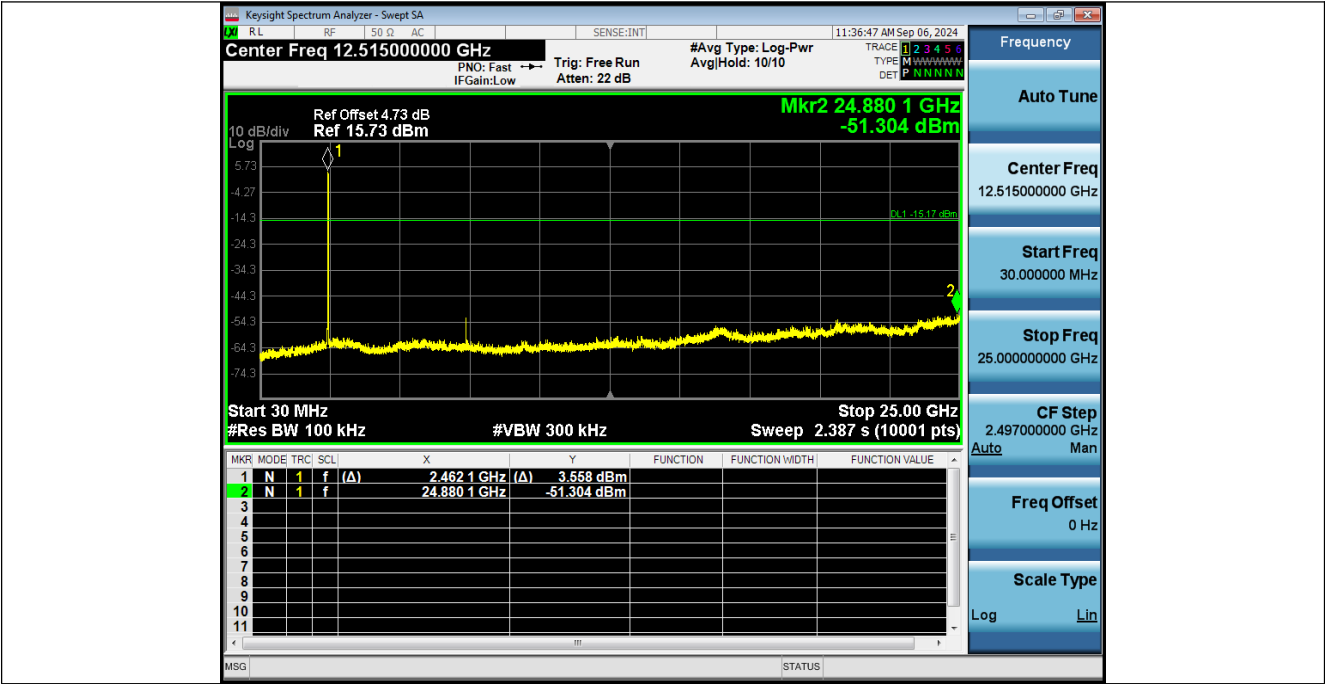
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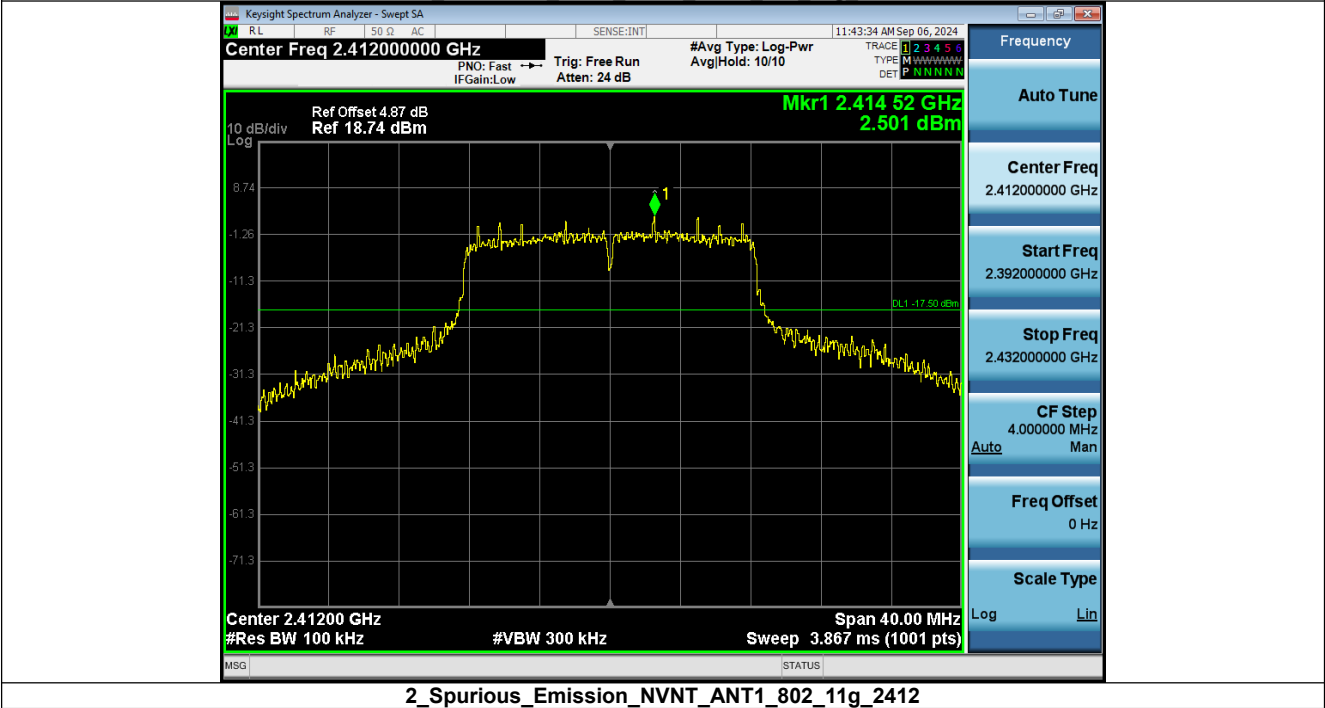
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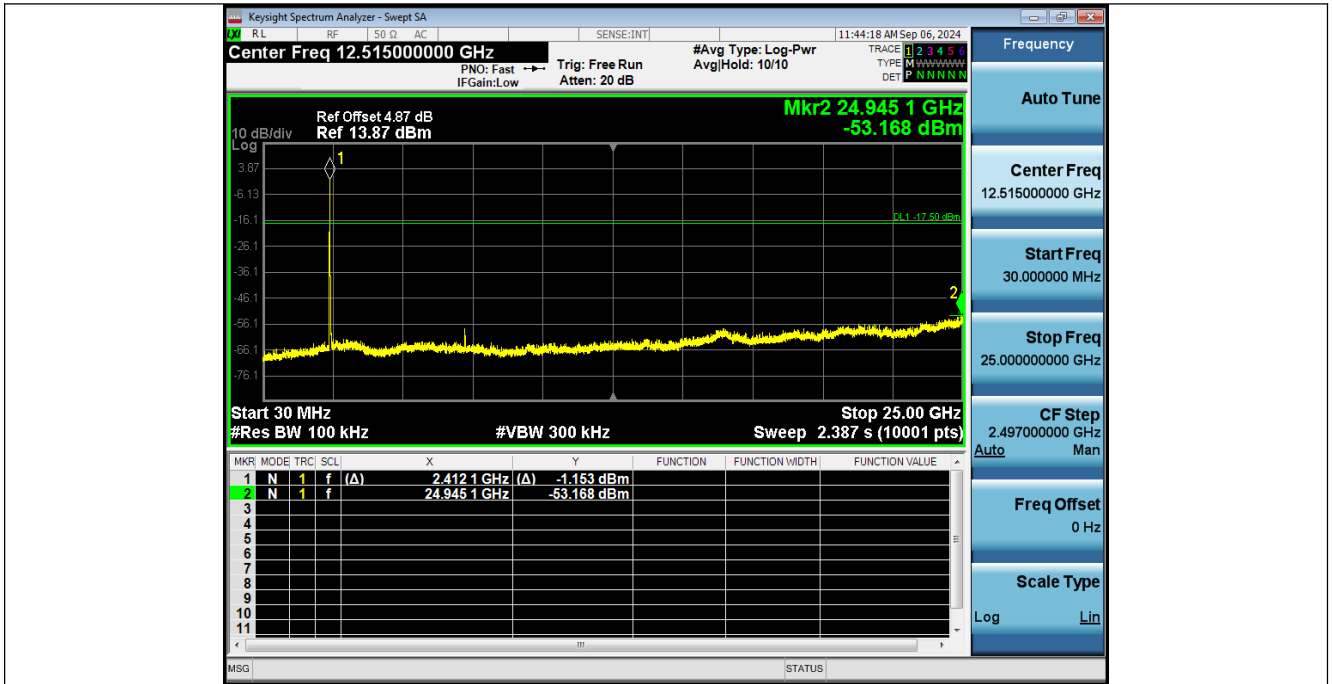
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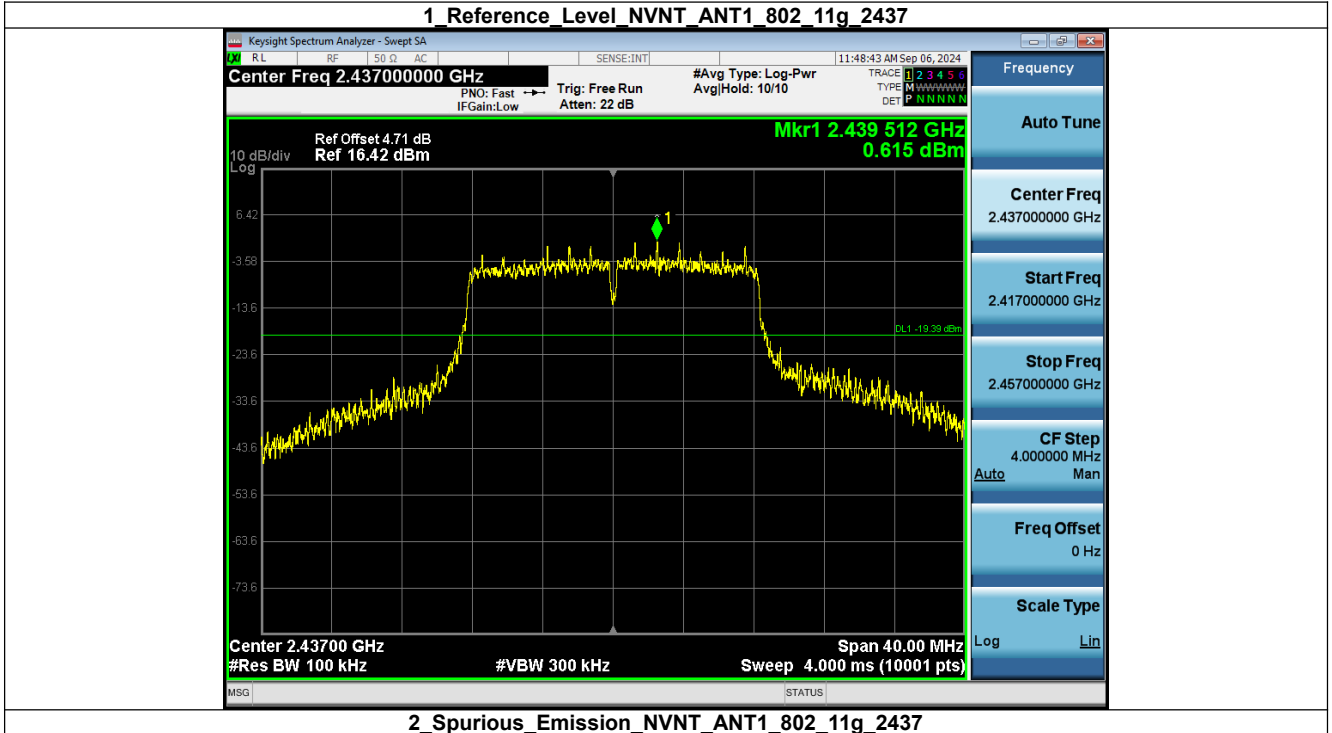
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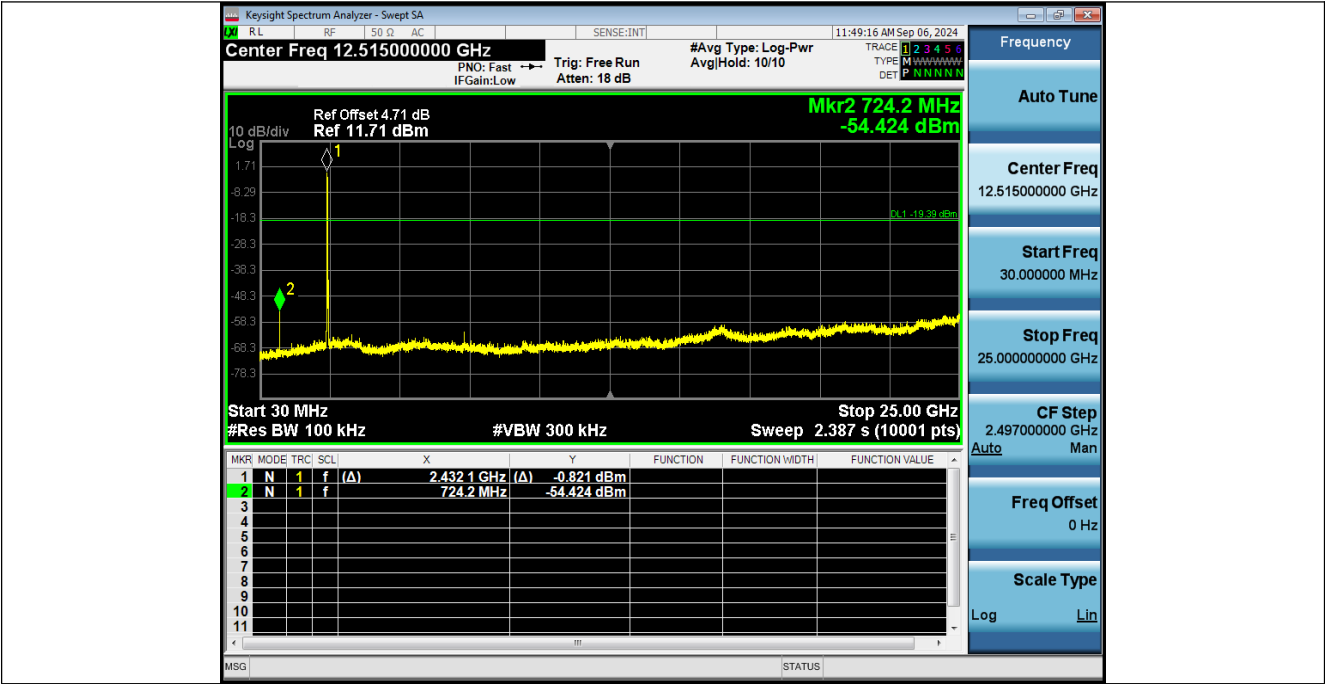
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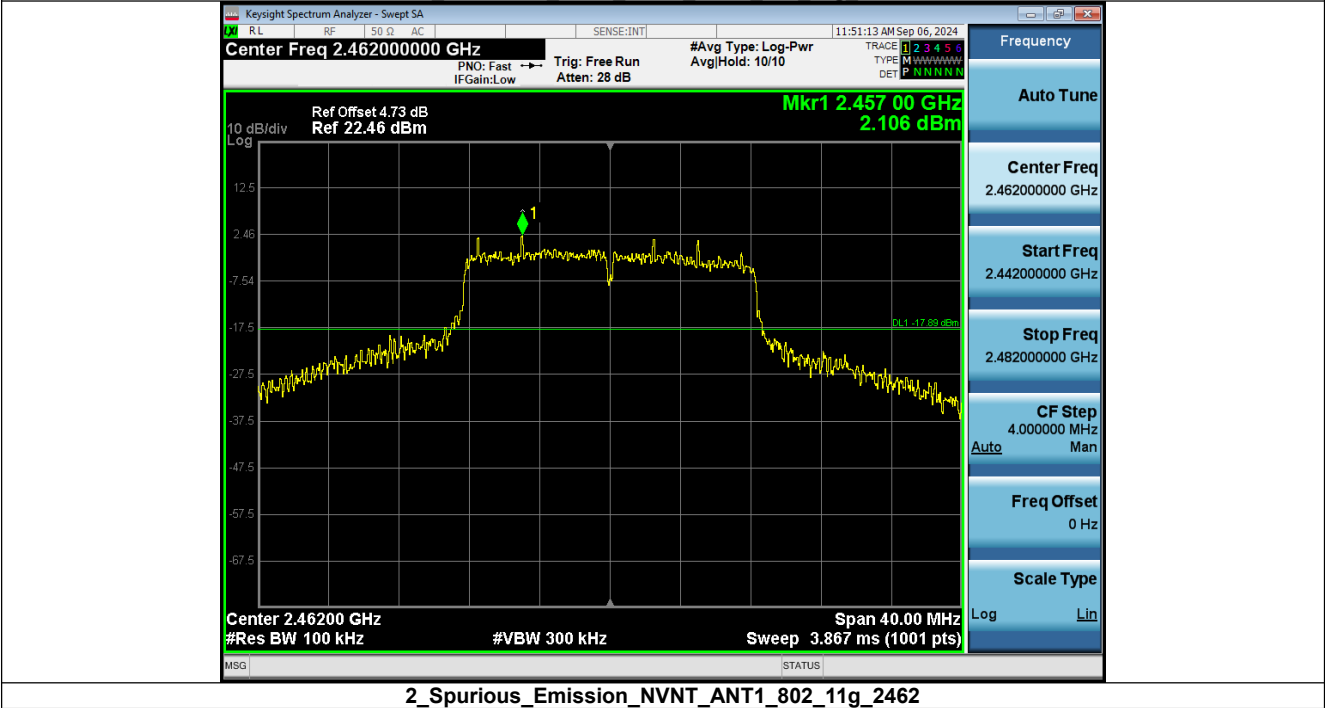
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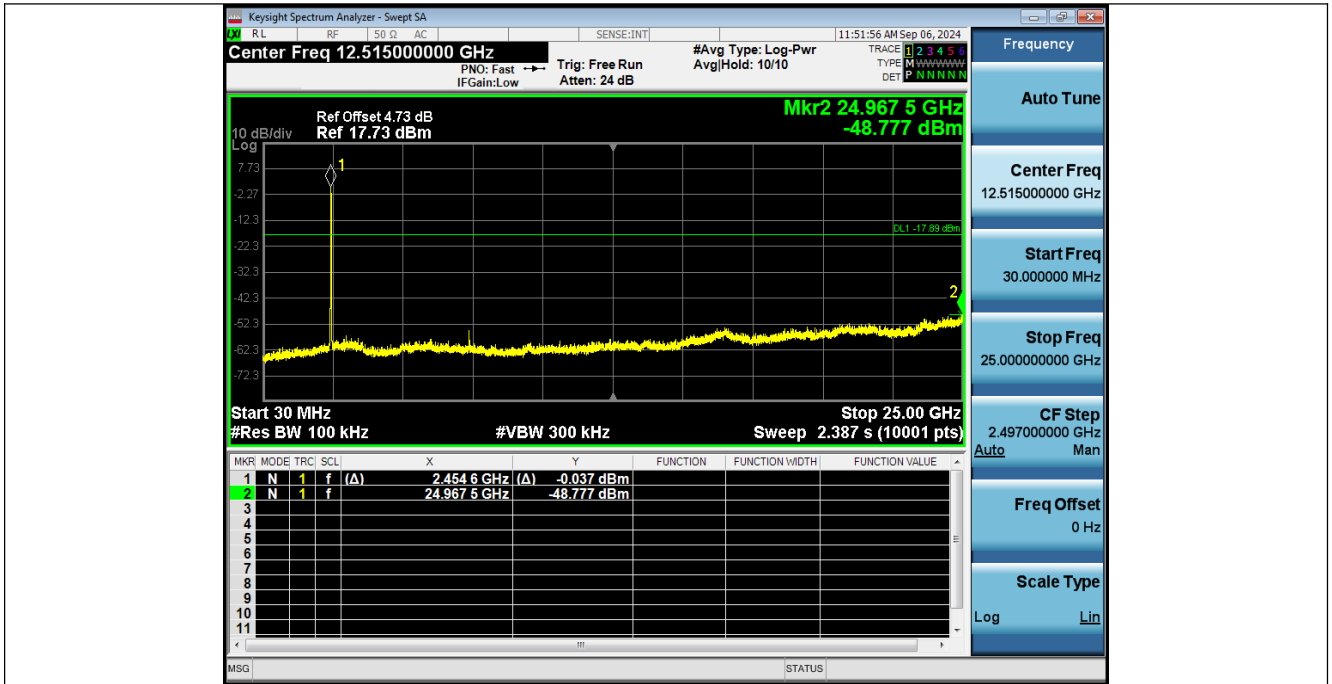
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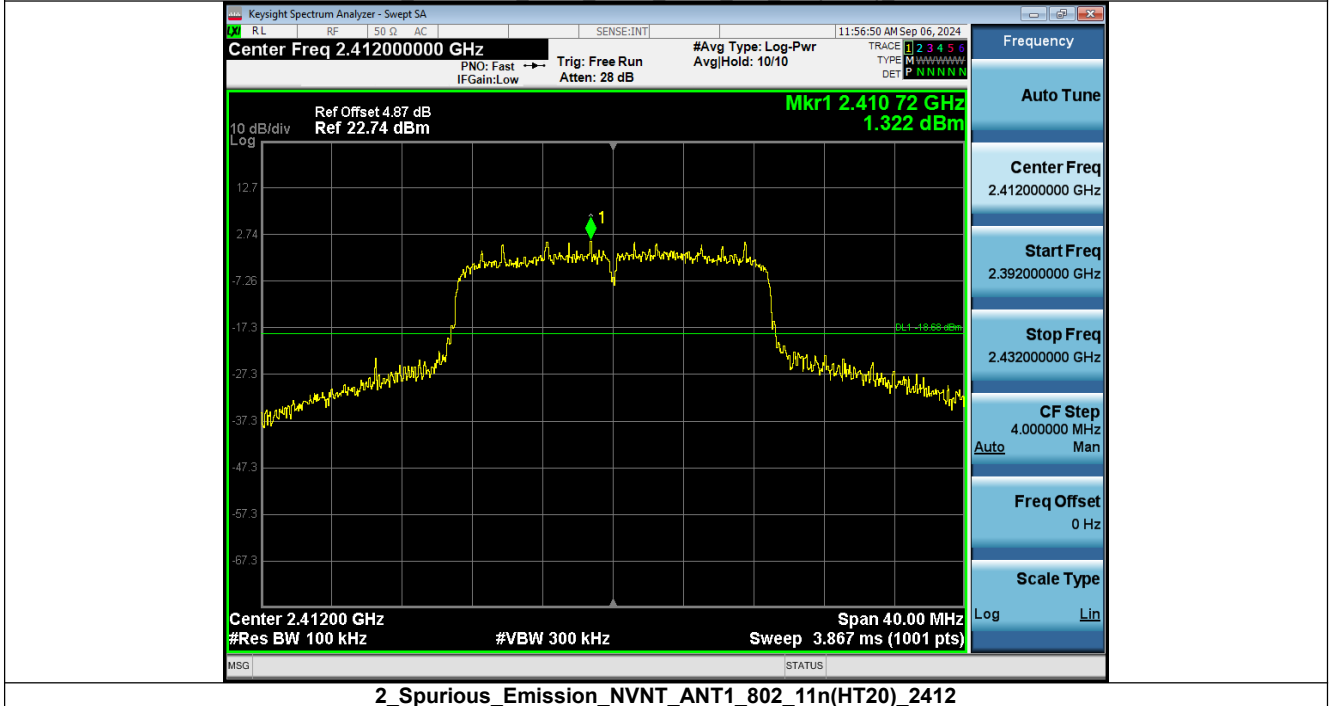
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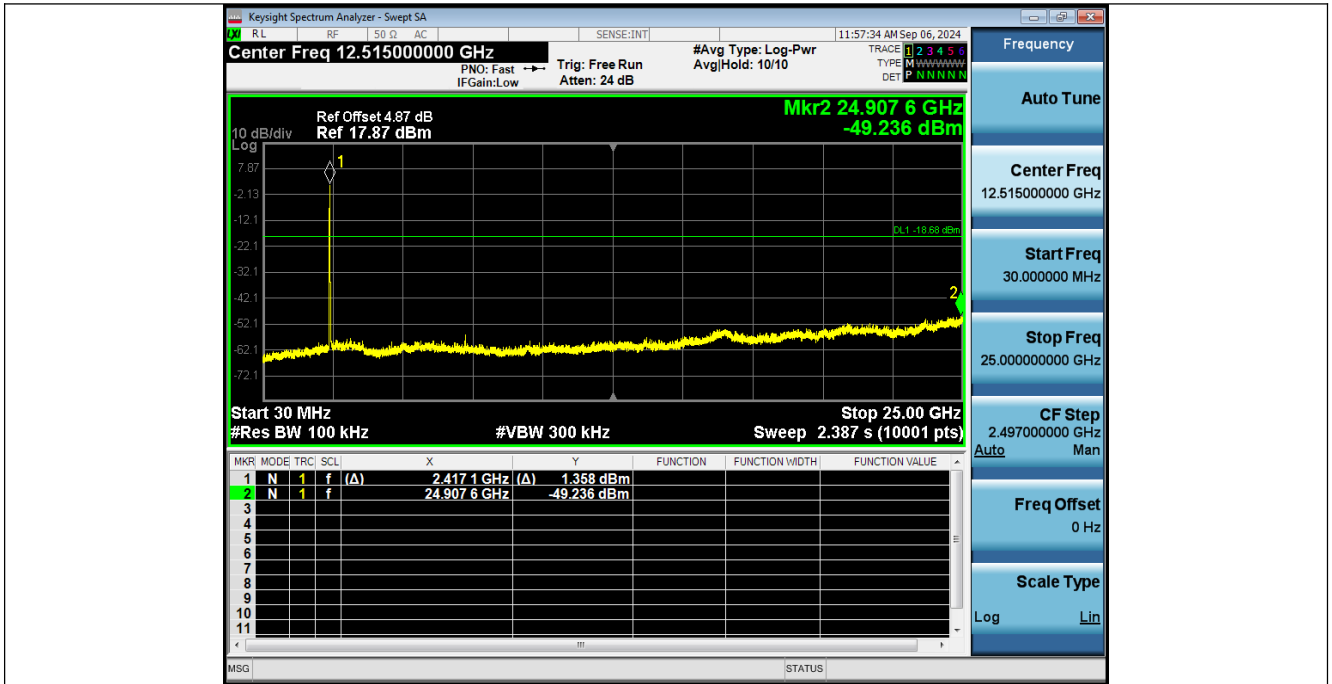
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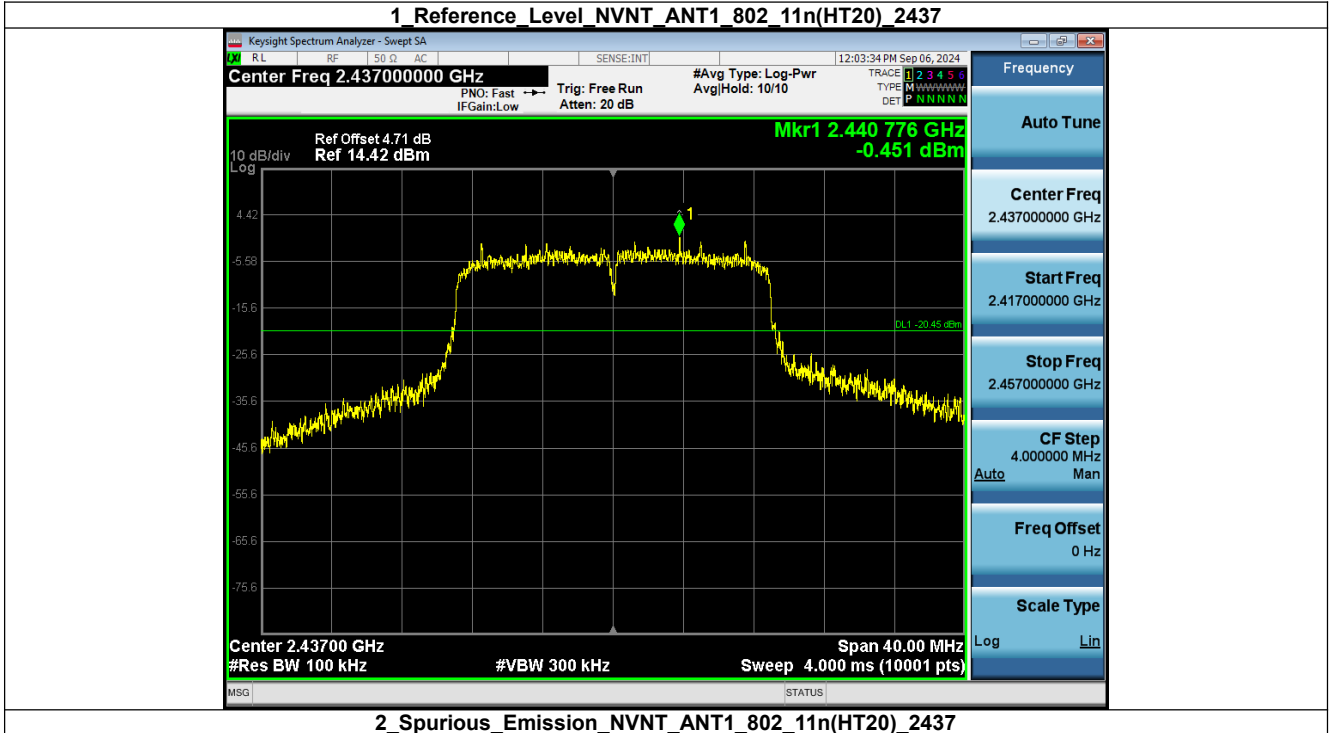
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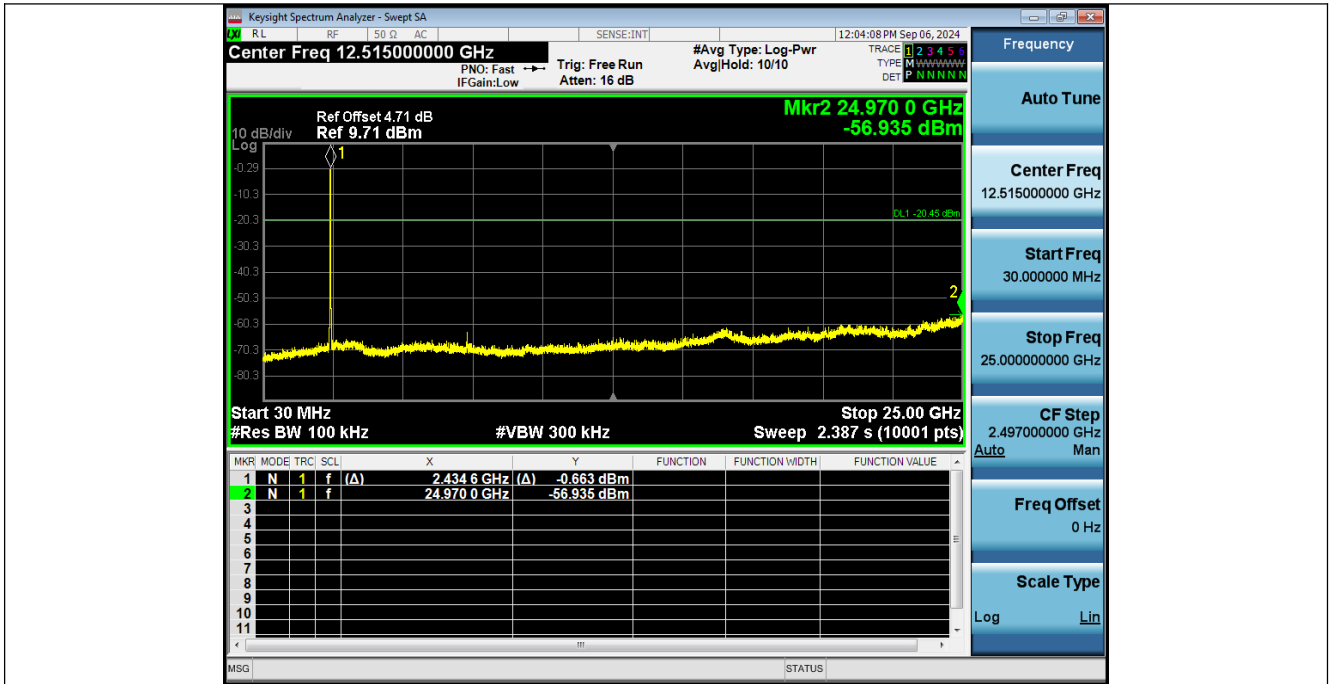
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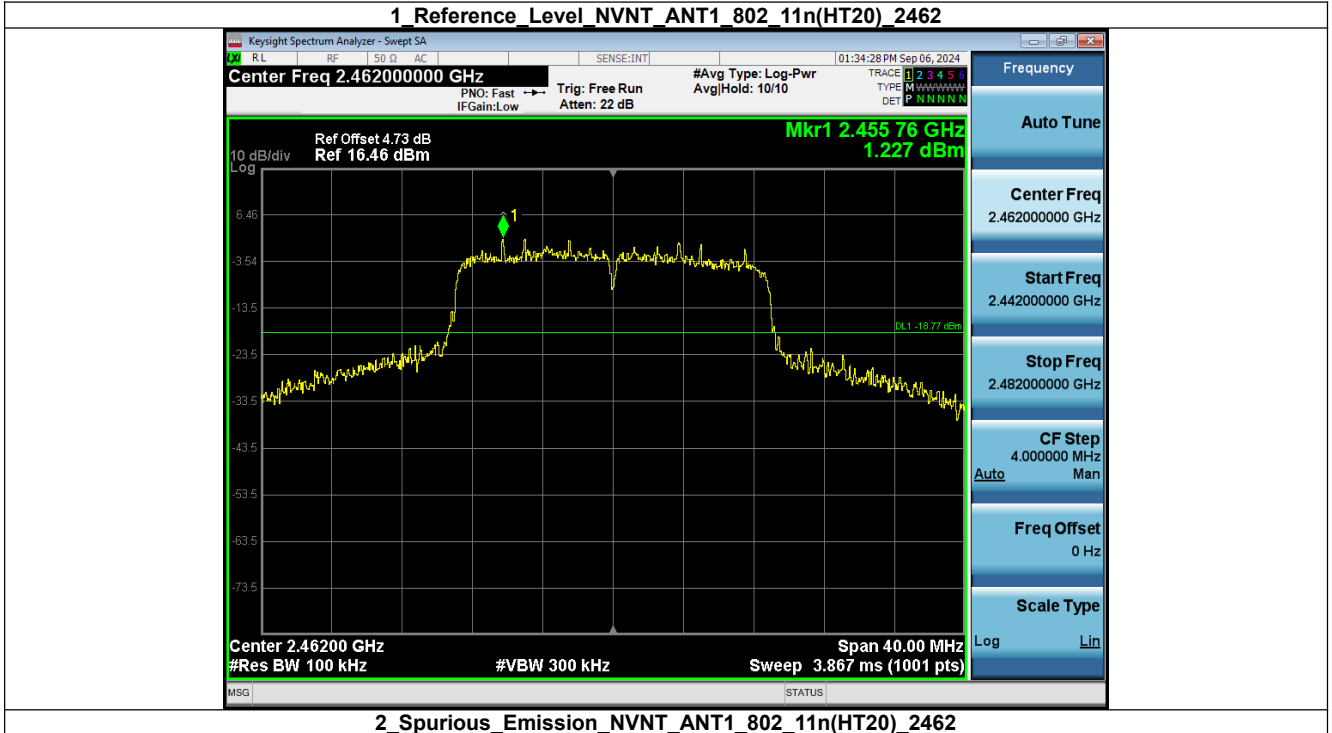
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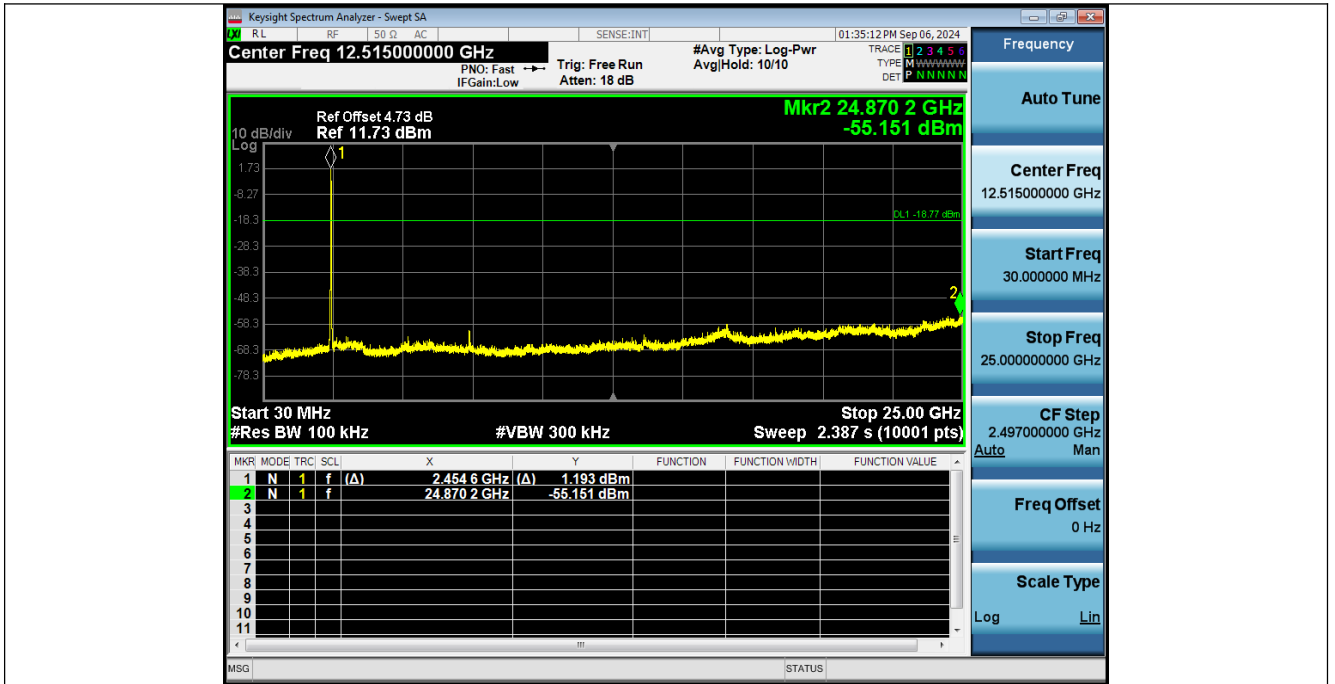
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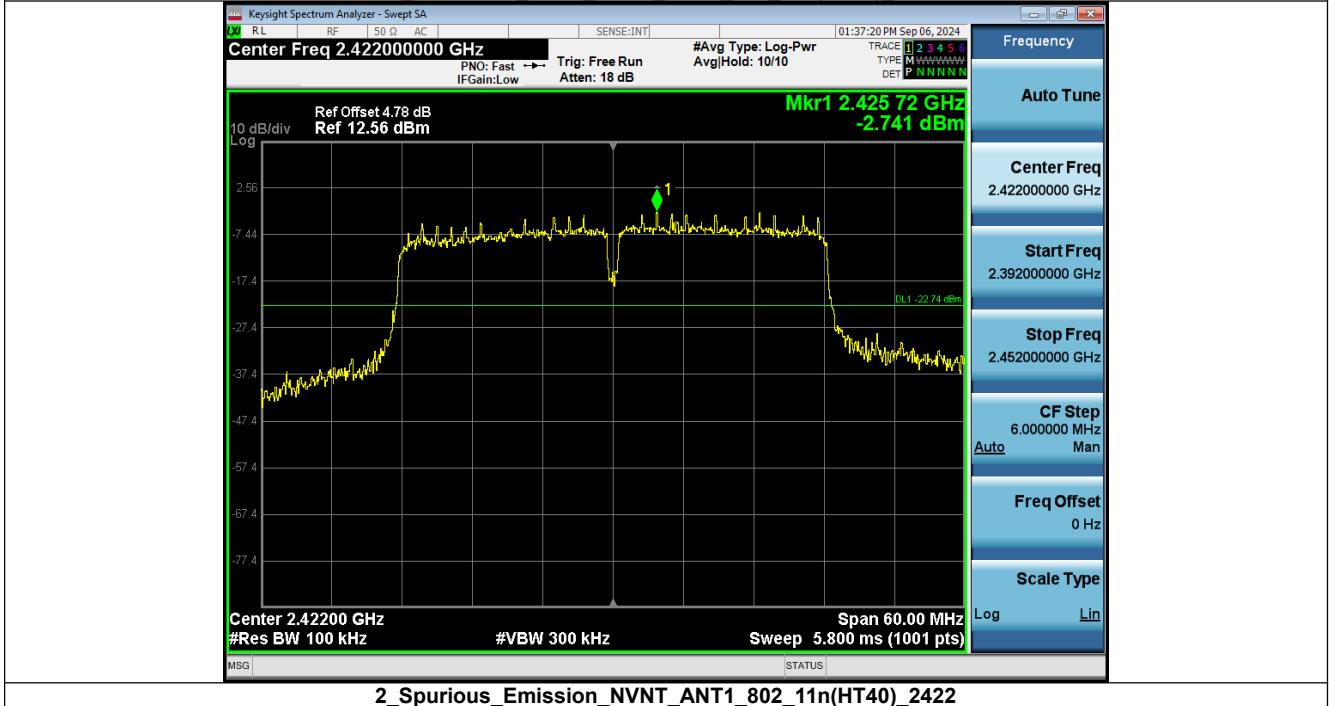
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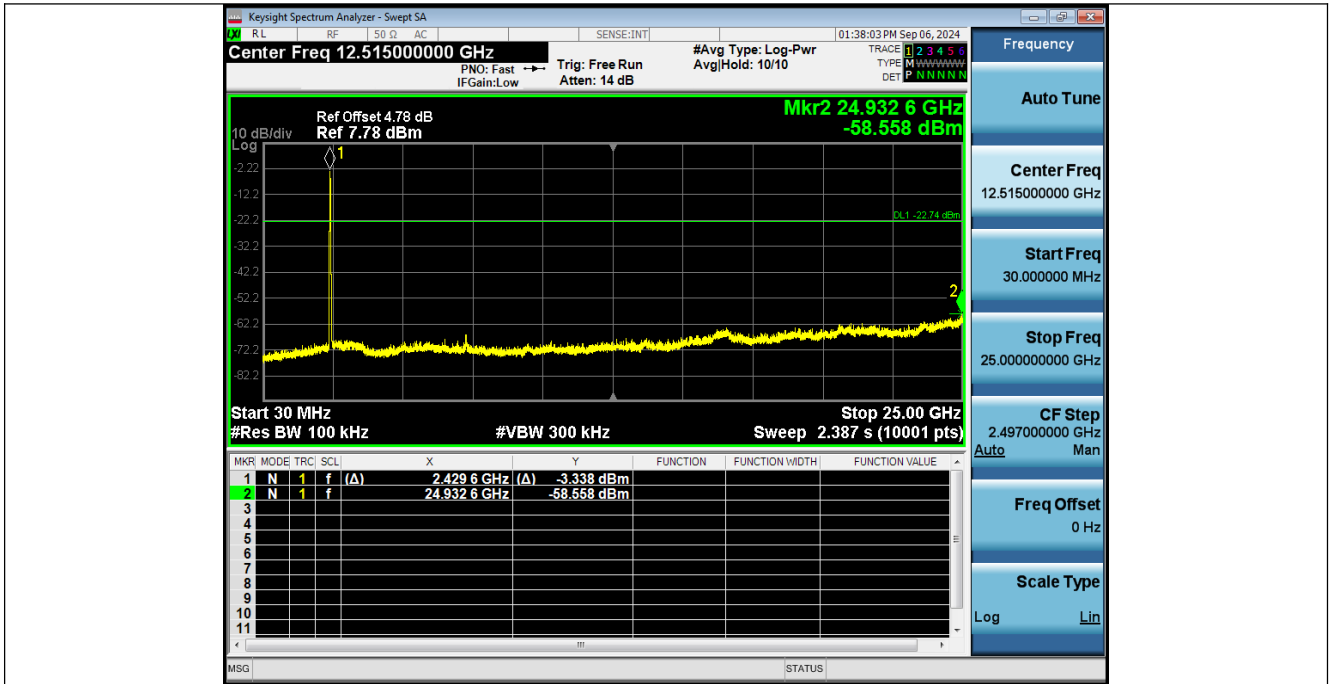
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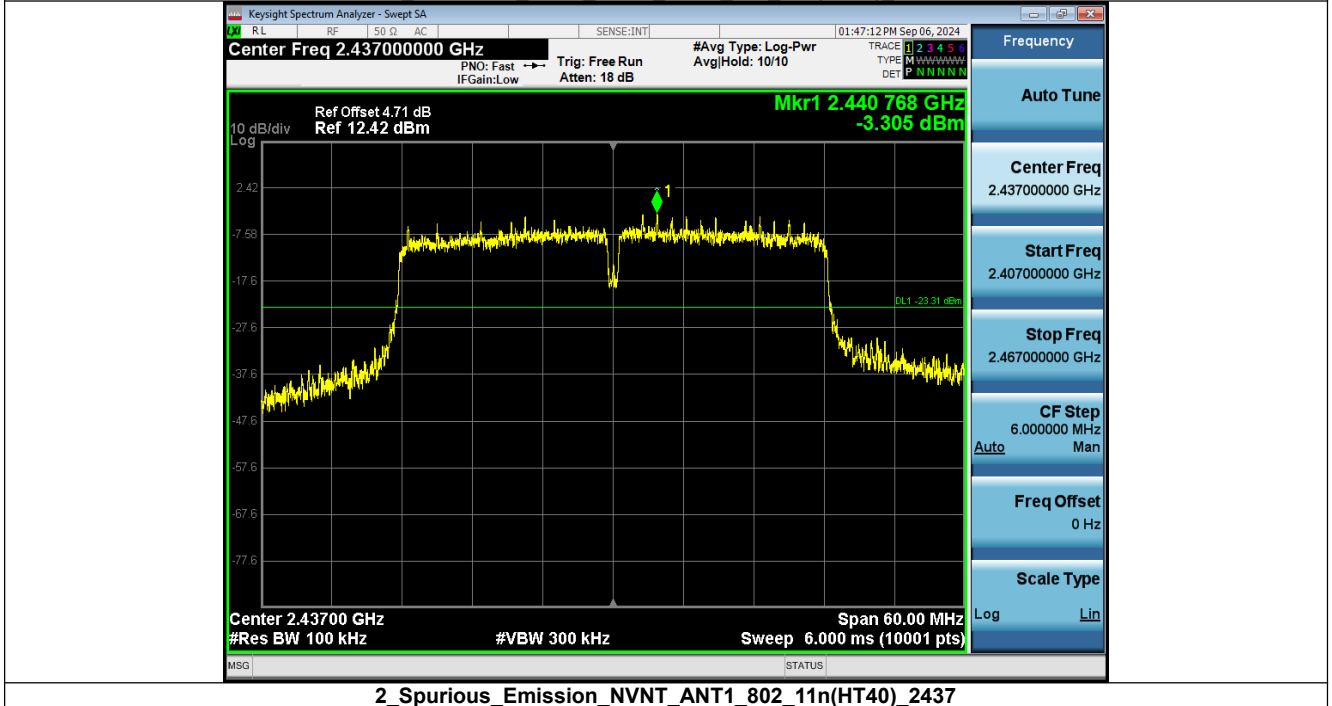
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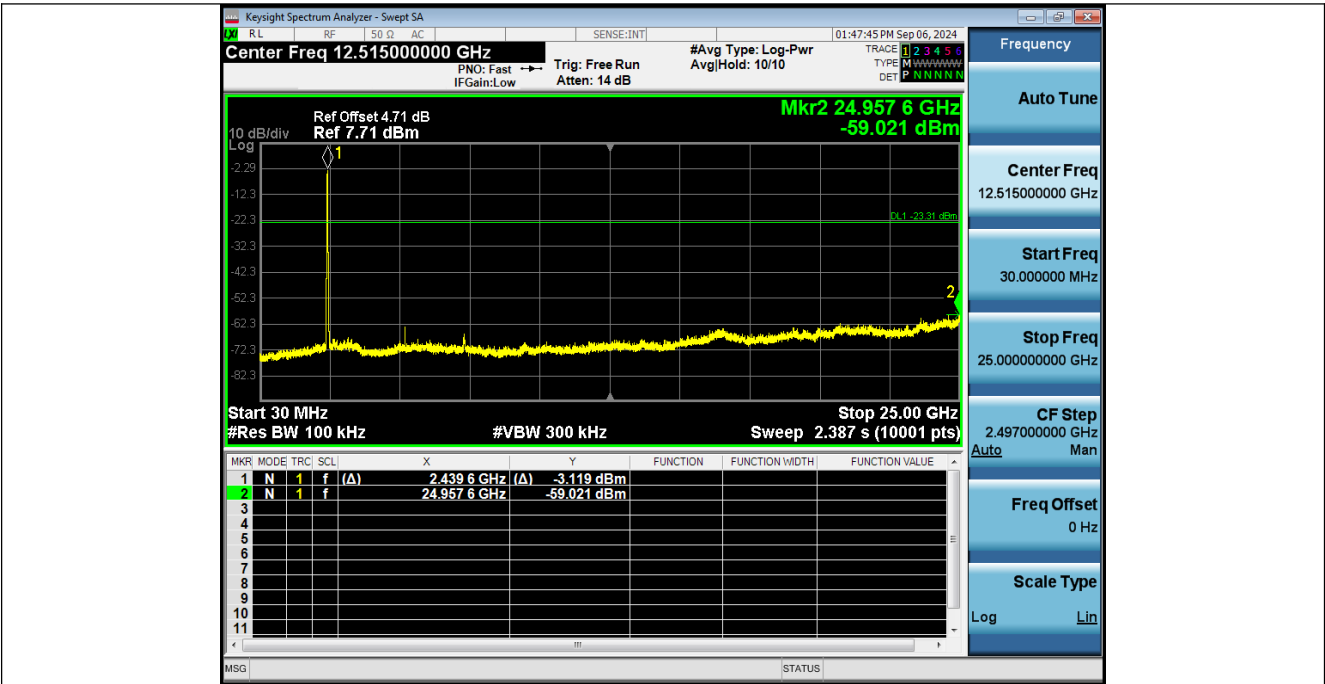
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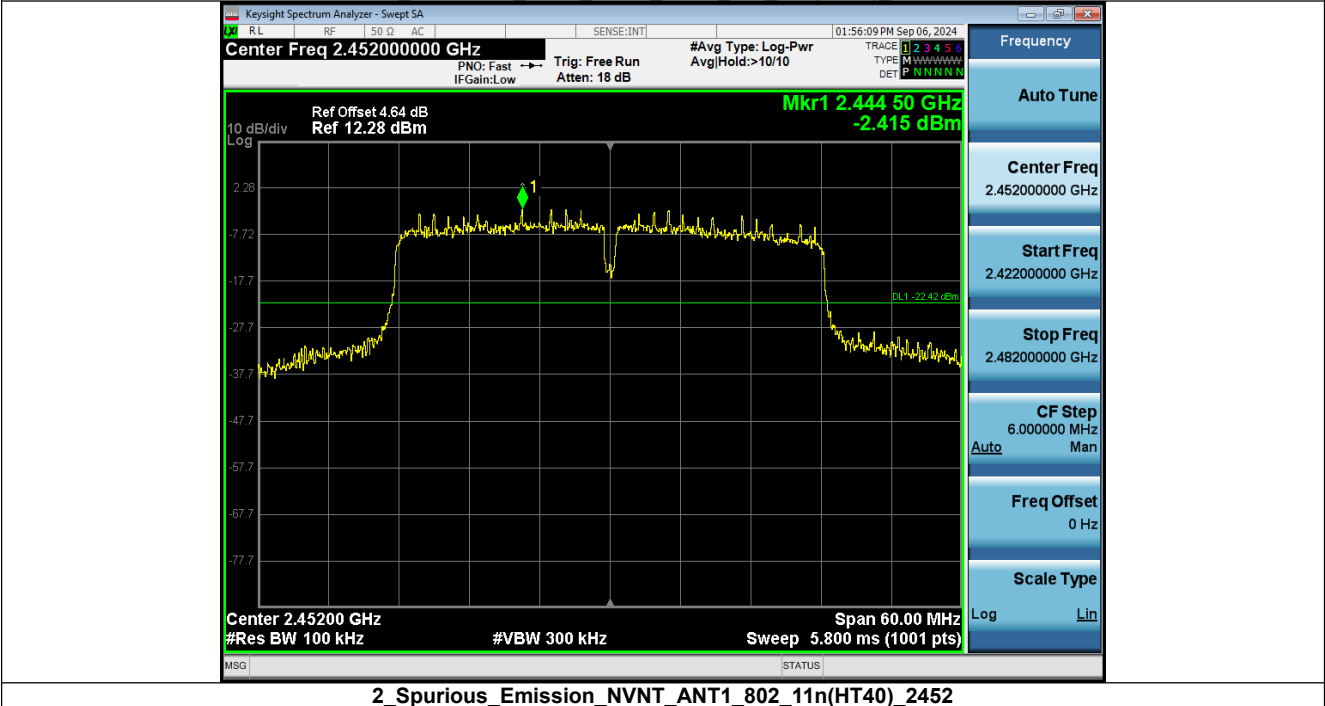
1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



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

