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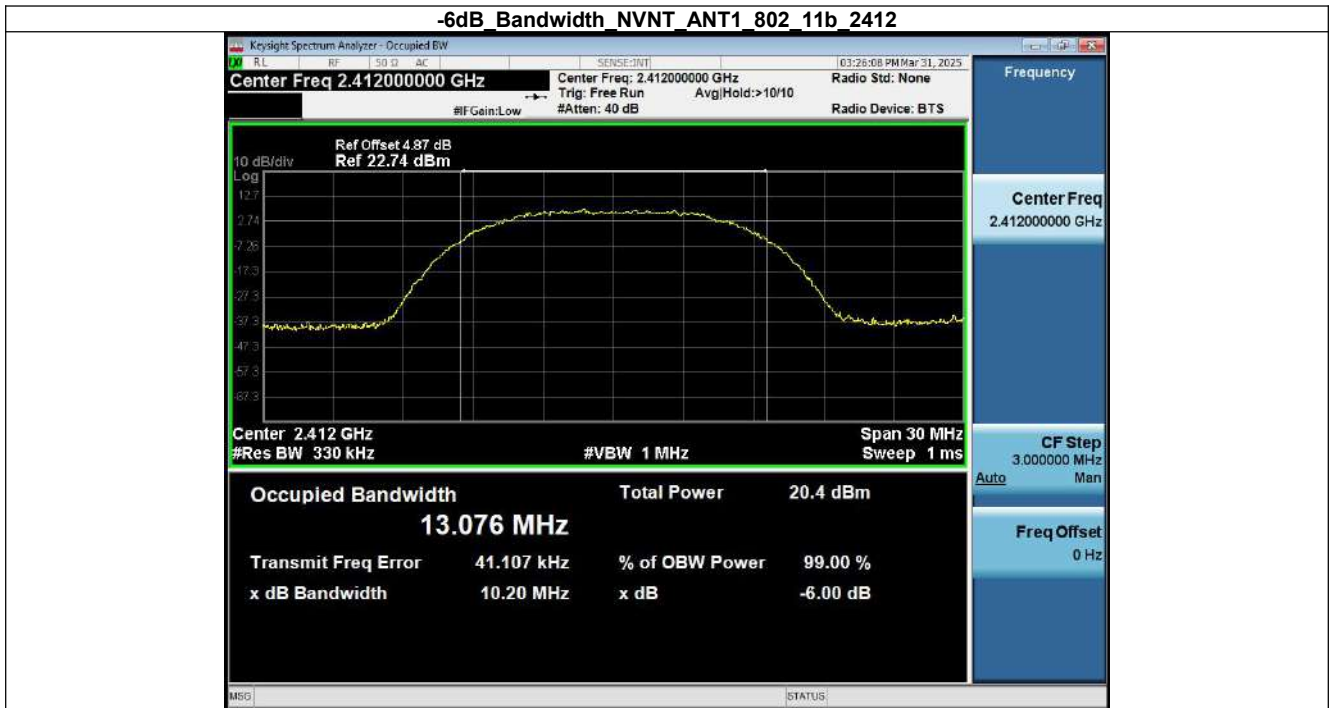
Report No.: NCT250121235XE1-2

FCC ID:2BC96NI-8441

FCC ID&IC ID WIFI2.4(Part15.247) Test Data

1. -6dB Bandwidth

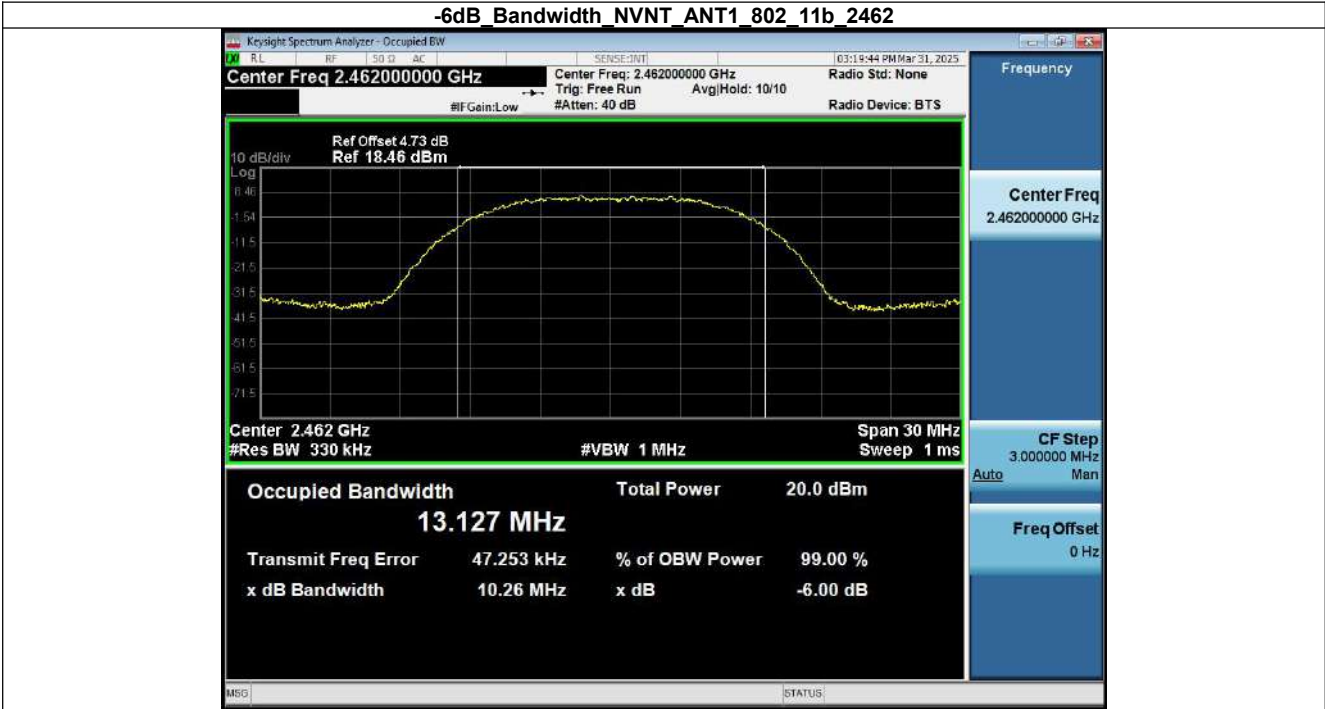
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.20	500	Pass
NVNT	ANT1	802.11b	2437.00	10.28	500	Pass
NVNT	ANT1	802.11b	2462.00	10.26	500	Pass
NVNT	ANT1	802.11g	2412.00	16.68	500	Pass
NVNT	ANT1	802.11g	2437.00	16.61	500	Pass
NVNT	ANT1	802.11g	2462.00	16.63	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.78	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.82	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.82	500	Pass



-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



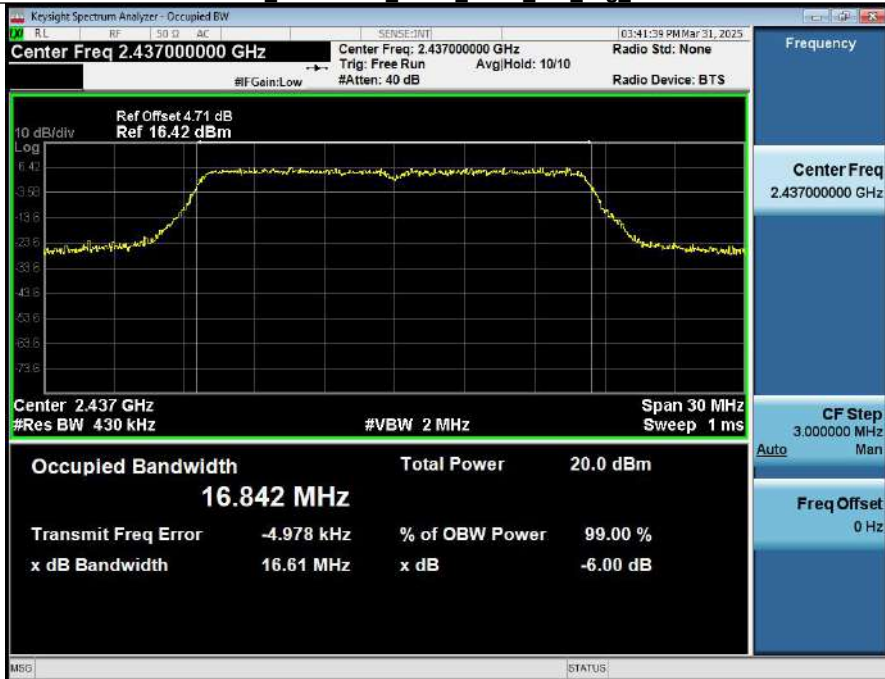
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-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



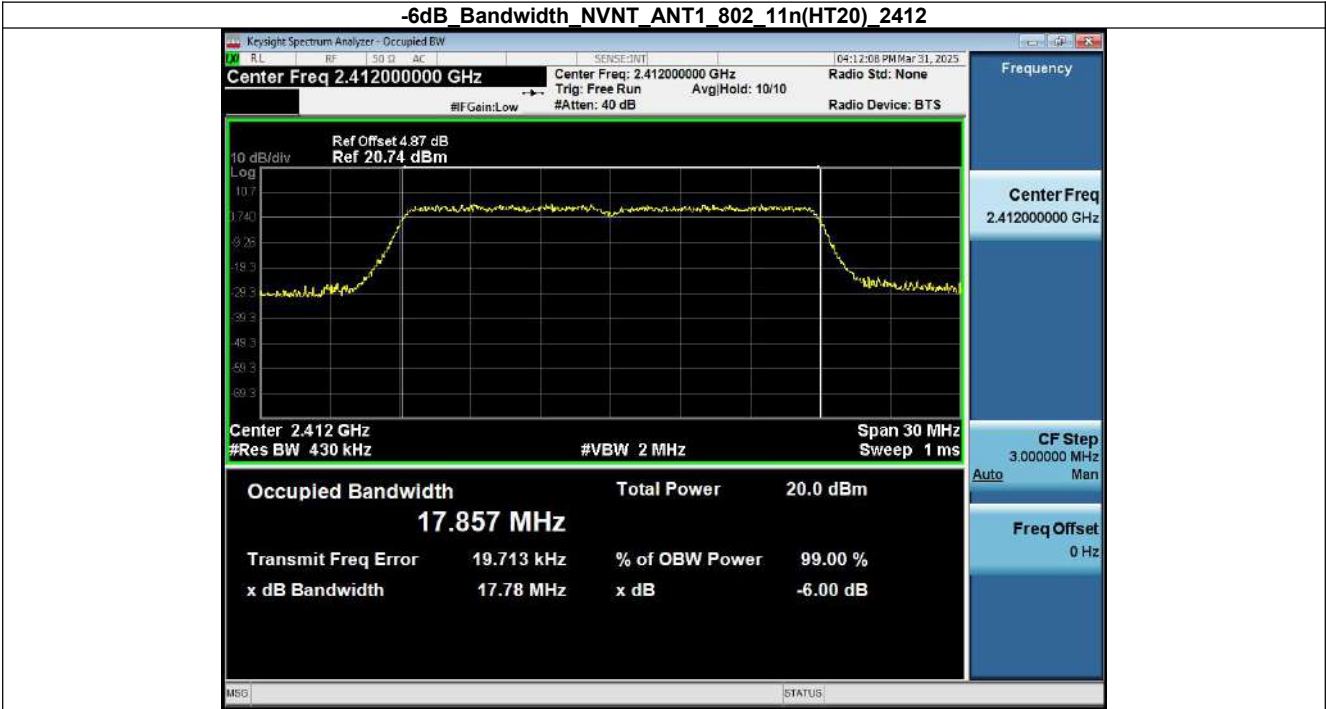
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-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

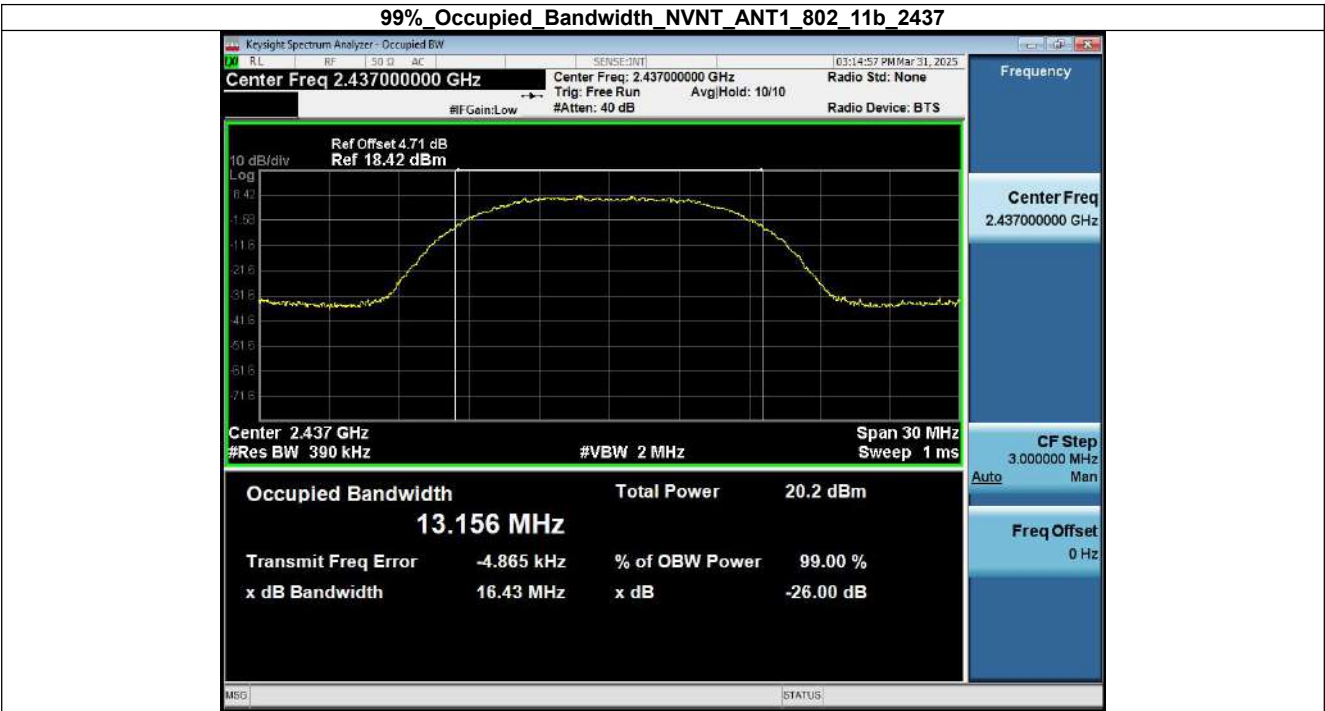
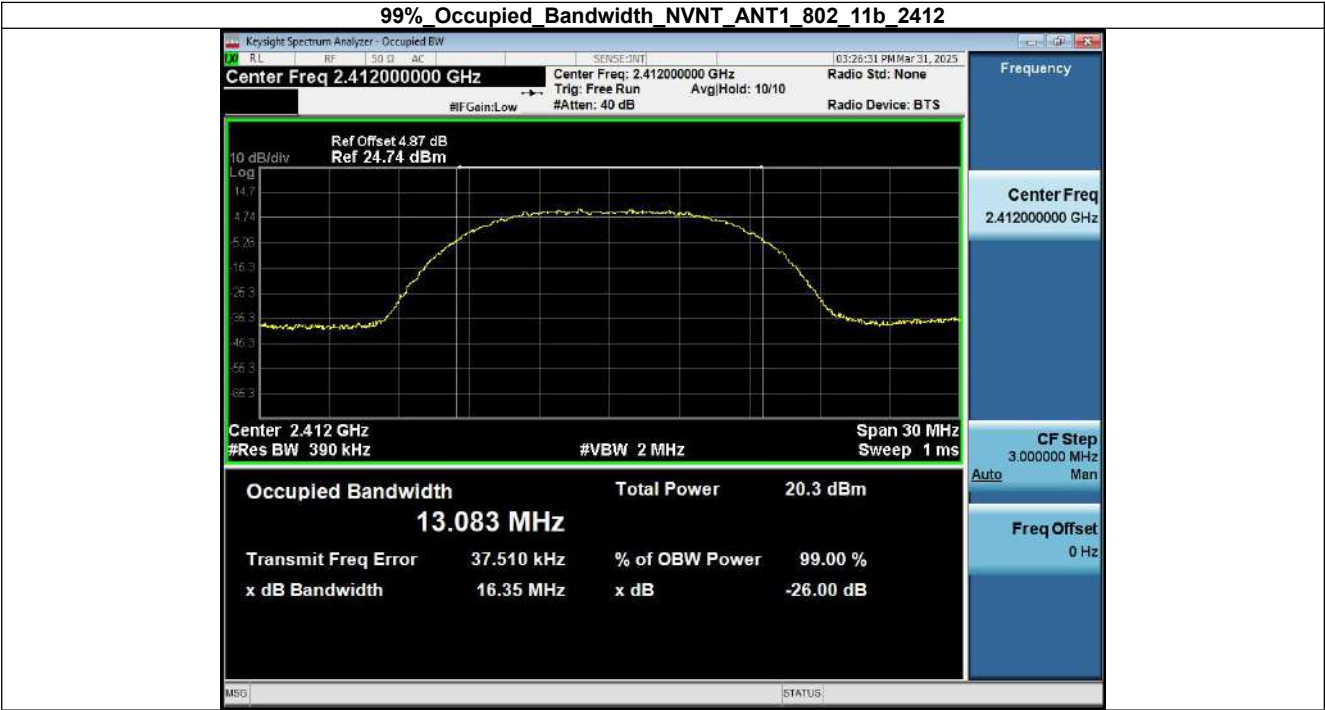


-6dB Bandwidth NVNT_ANT1_802_11n(HT20)_2462



2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.083
NVNT	ANT1	802.11b	2437.00	13.156
NVNT	ANT1	802.11b	2462.00	13.152
NVNT	ANT1	802.11g	2412.00	16.872
NVNT	ANT1	802.11g	2437.00	16.905
NVNT	ANT1	802.11g	2462.00	16.864
NVNT	ANT1	802.11n(HT20)	2412.00	17.910
NVNT	ANT1	802.11n(HT20)	2437.00	17.942
NVNT	ANT1	802.11n(HT20)	2462.00	17.907



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

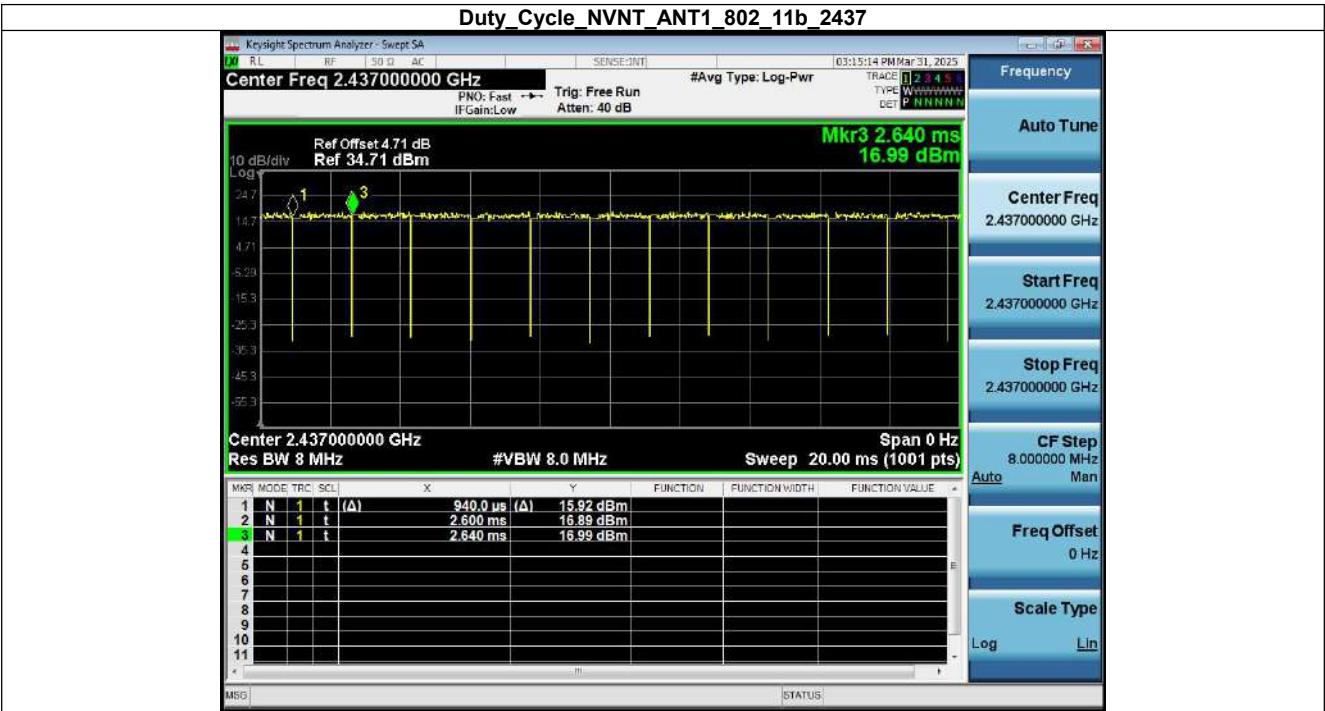
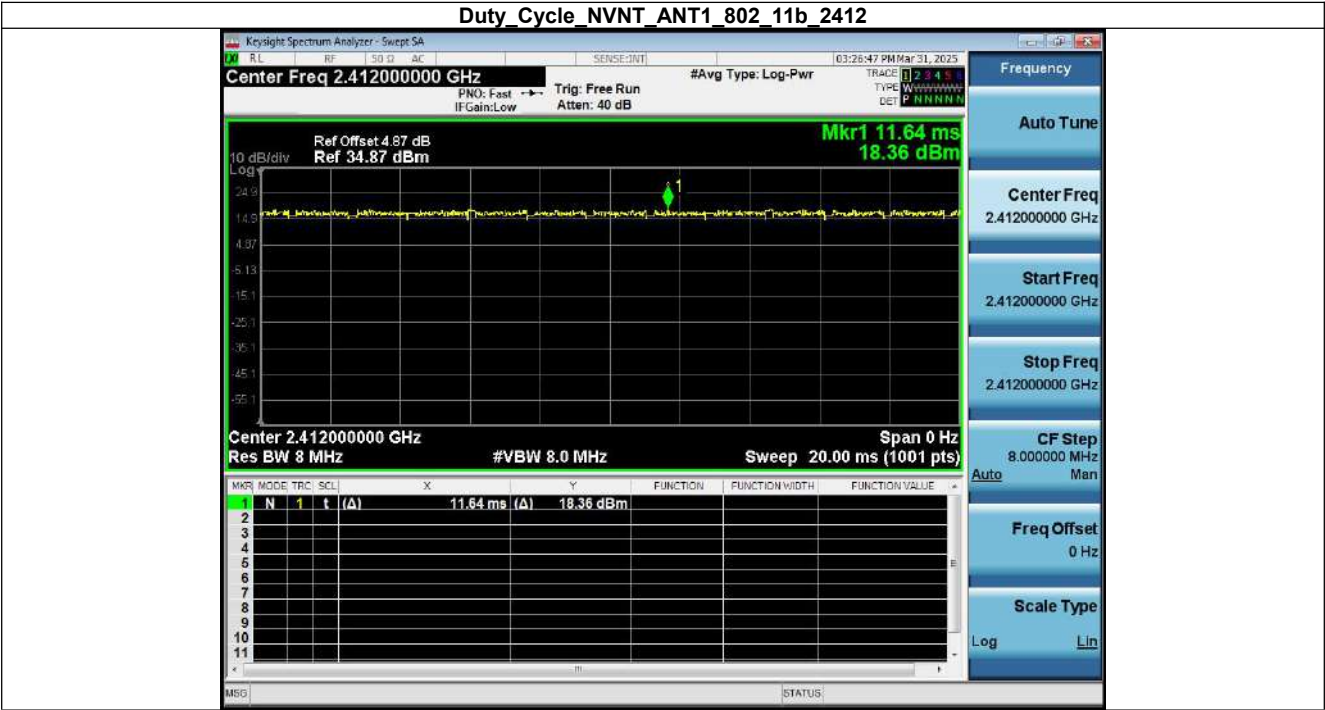


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

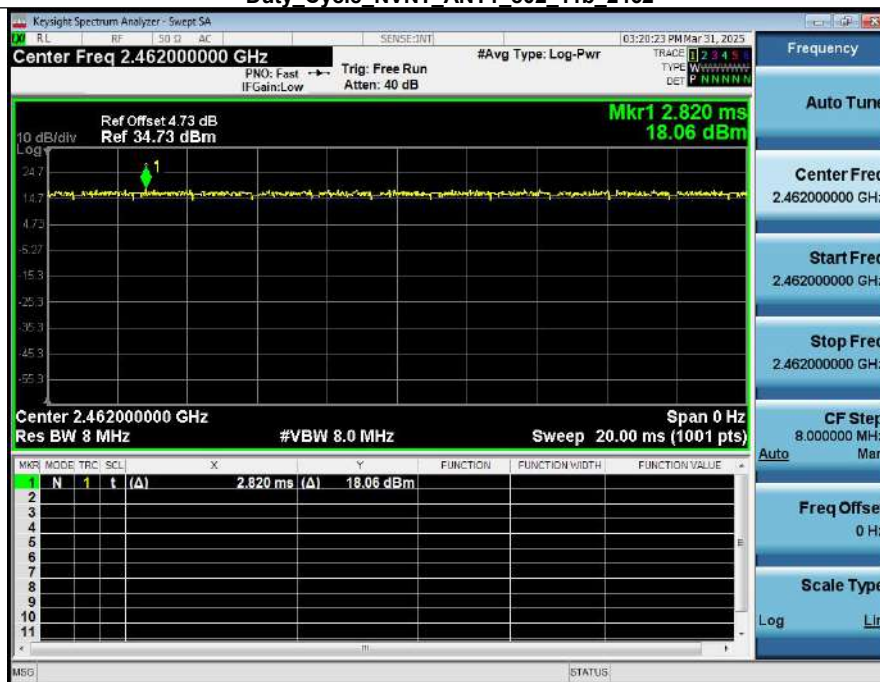


3. Duty Cycle

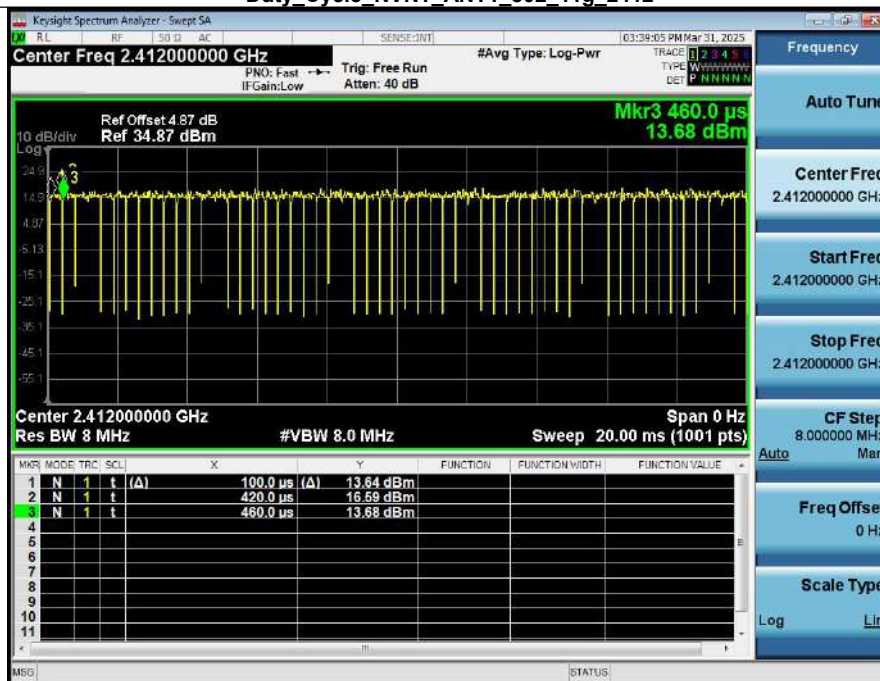
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	100	0.00
NVNT	ANT1	802.11b	2437.00	98.82	0.00
NVNT	ANT1	802.11b	2462.00	100	0.00
NVNT	ANT1	802.11g	2412.00	94.44	0.25
NVNT	ANT1	802.11g	2437.00	94.44	0.25
NVNT	ANT1	802.11g	2462.00	94.44	0.25
NVNT	ANT1	802.11n(HT20)	2412.00	93.75	0.28
NVNT	ANT1	802.11n(HT20)	2437.00	93.75	0.28
NVNT	ANT1	802.11n(HT20)	2462.00	93.75	0.28



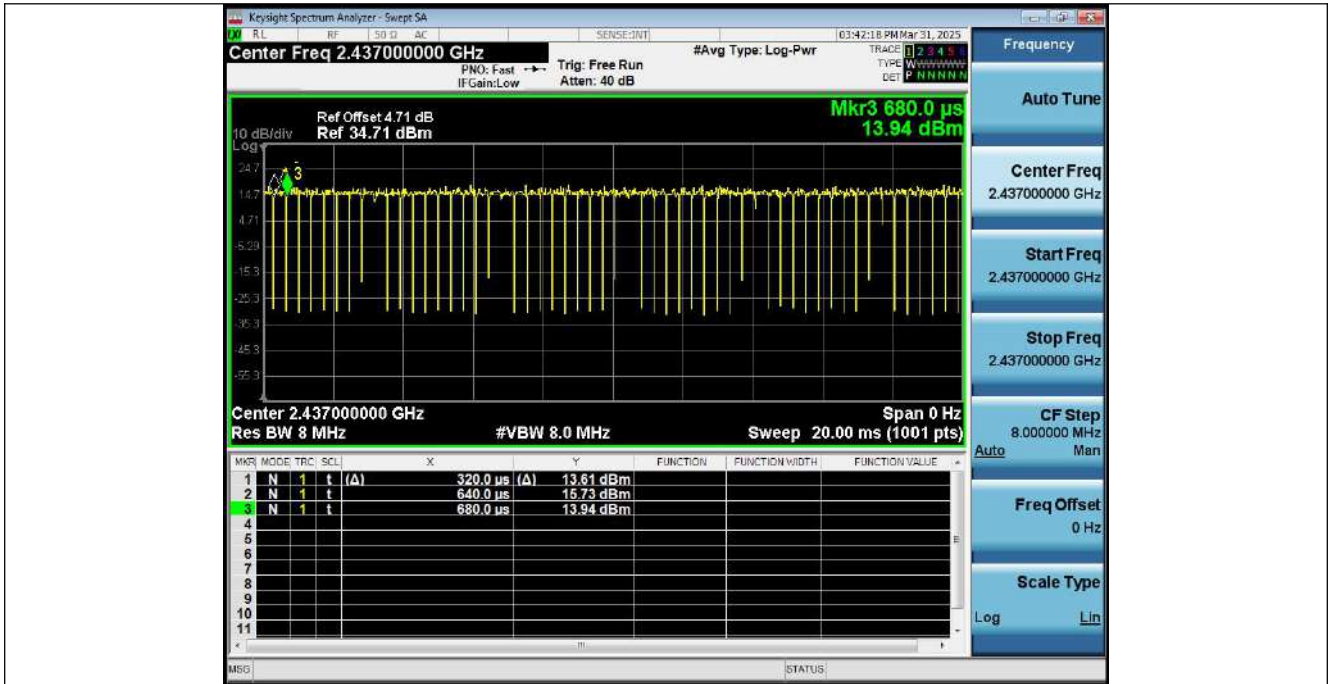
Duty Cycle NVNT_ANT1_802_11b_2462



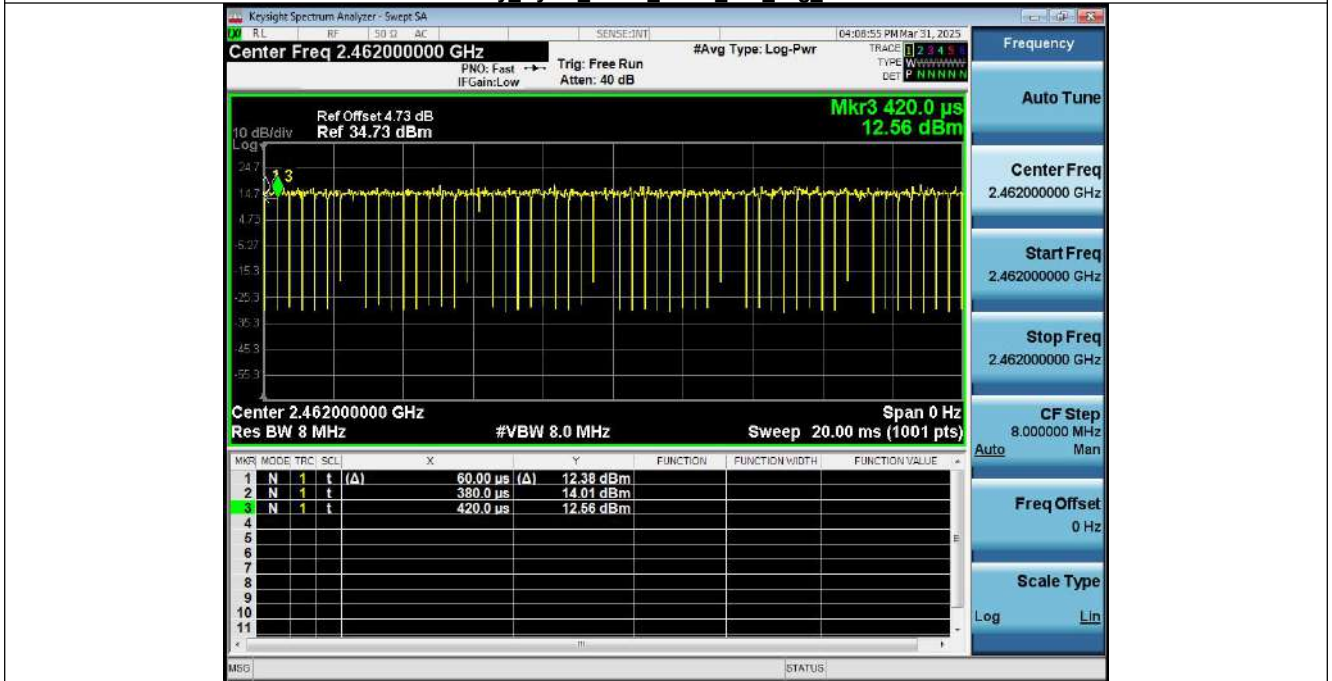
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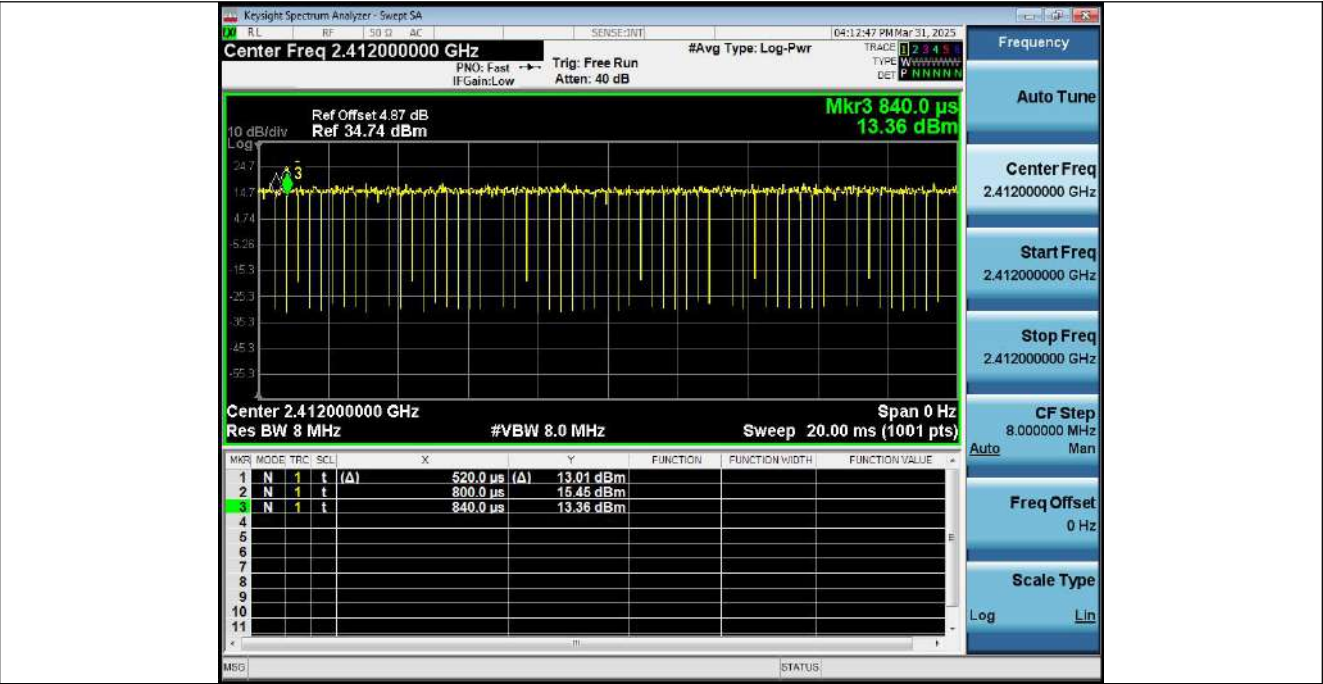
Duty Cycle NVNT_ANT1_802_11g_2437



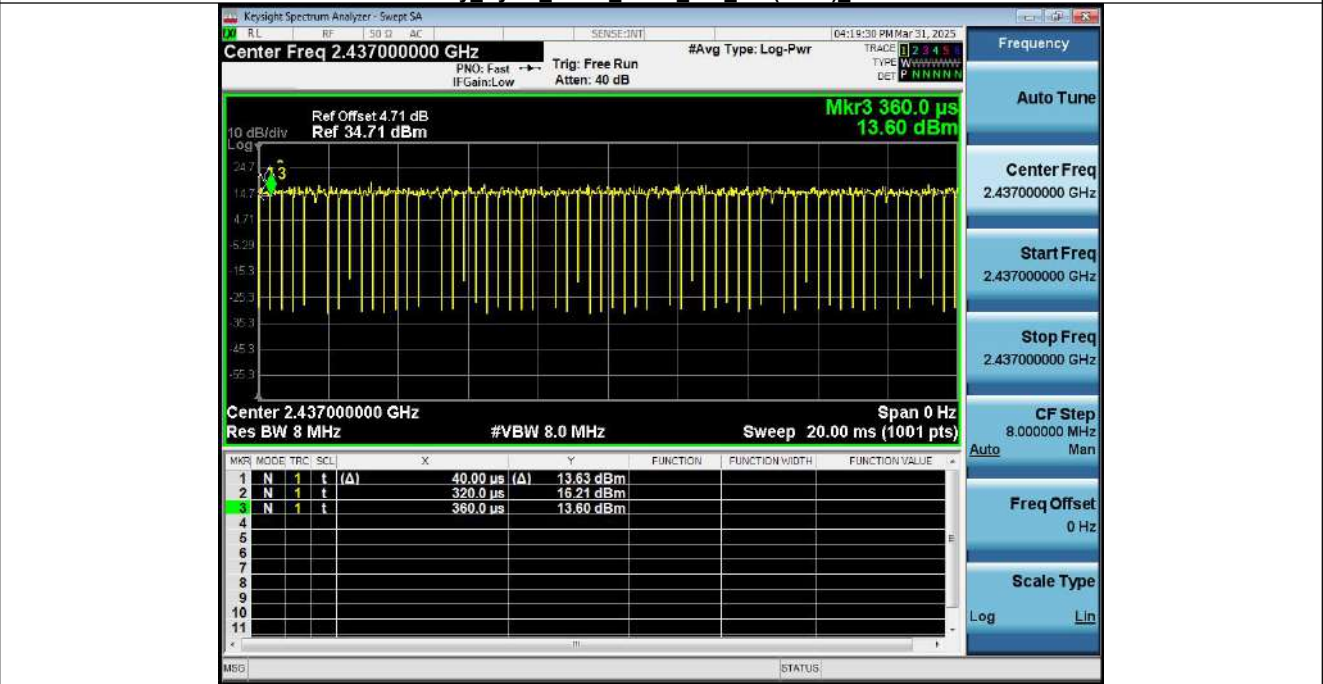
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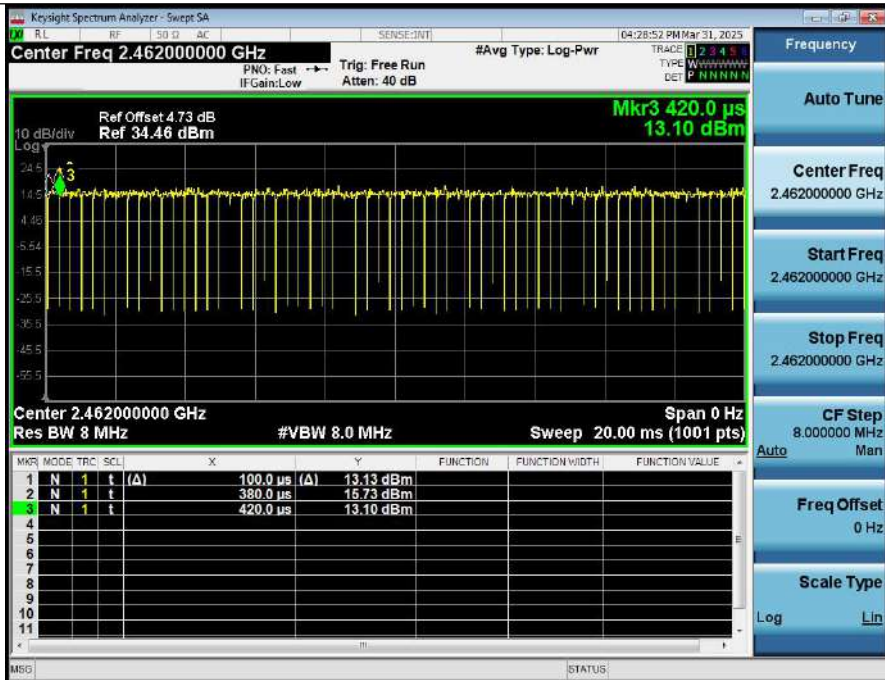
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	19.64	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	19.63	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	19.43	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	19.53	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	19.51	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	18.88	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	19.55	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	19.53	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	19.07	30	Pass

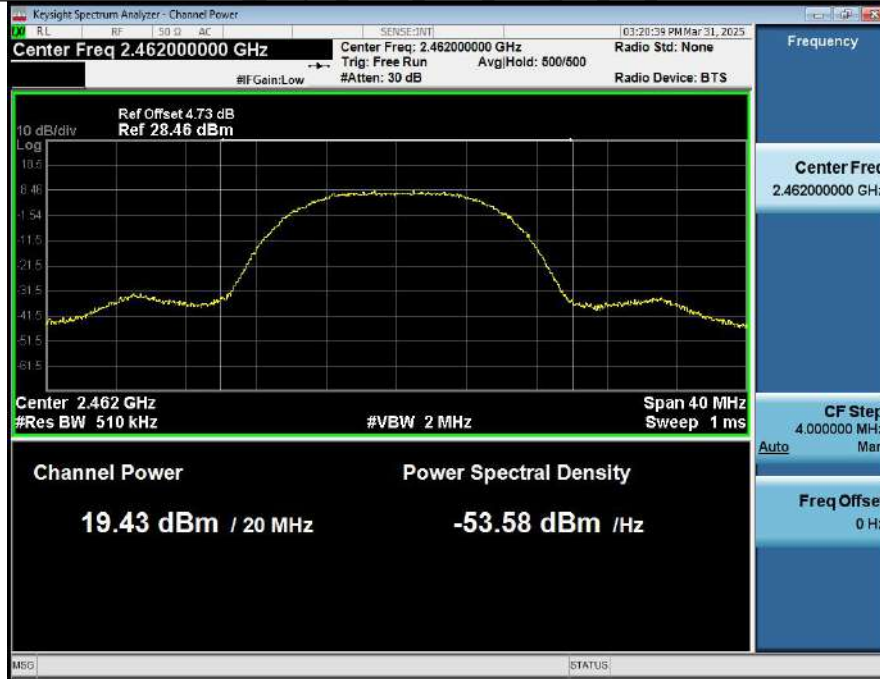
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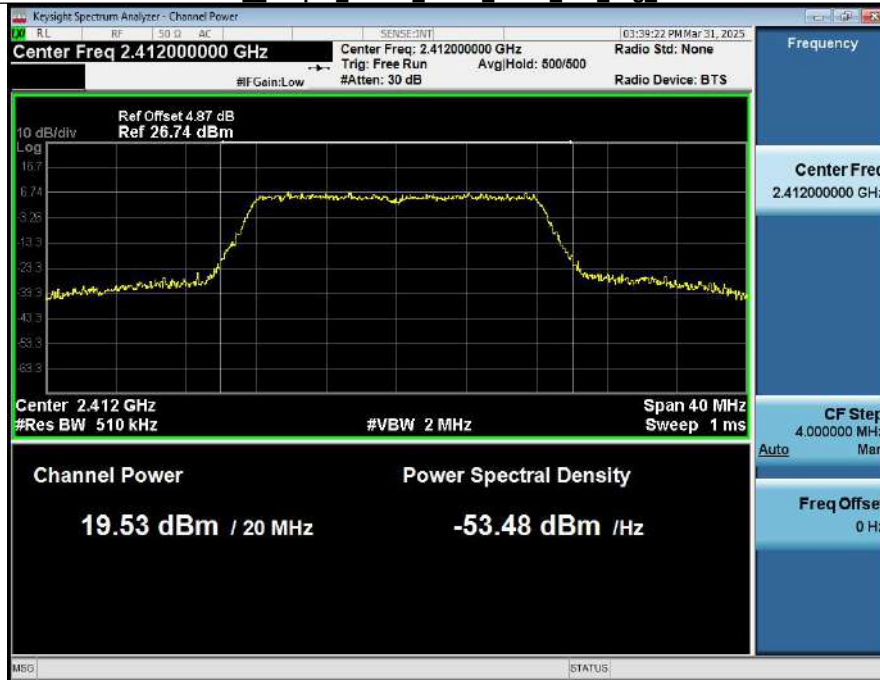
MAX_Output_Power_NVNT_ANT1_802_11b_2437



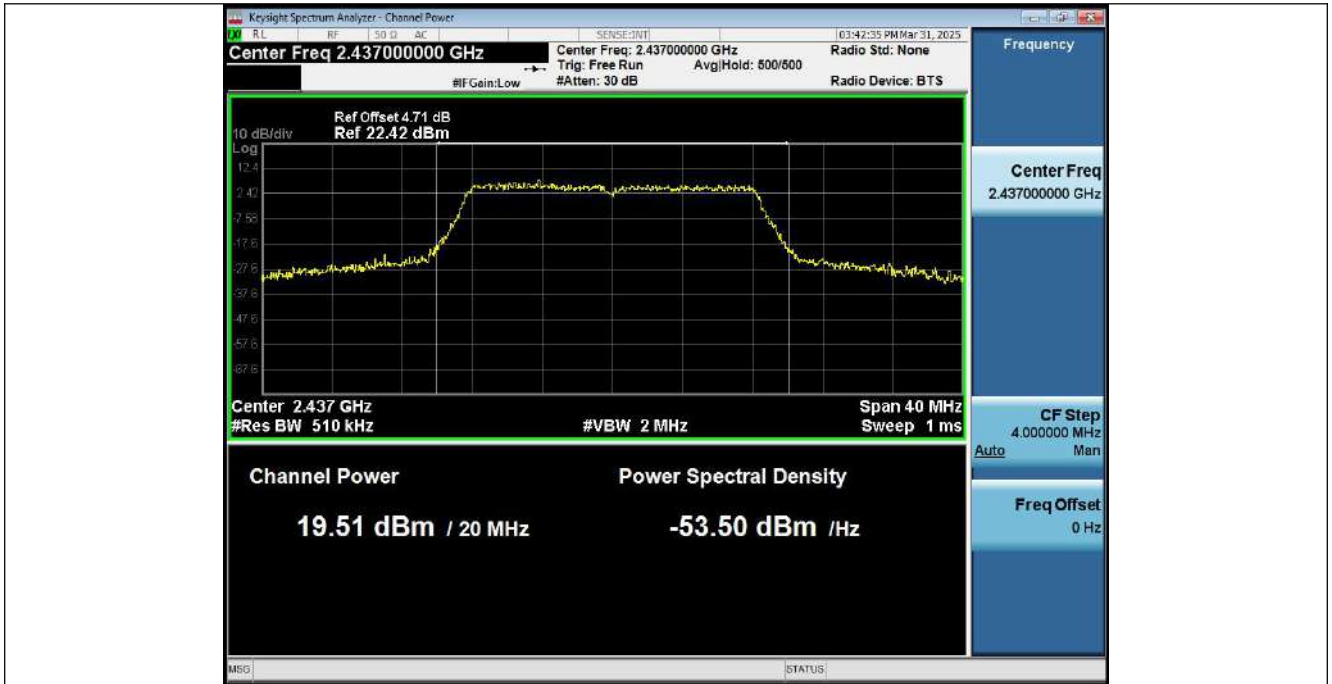
MAX Output Power NVNT_ANT1_802_11b_2462



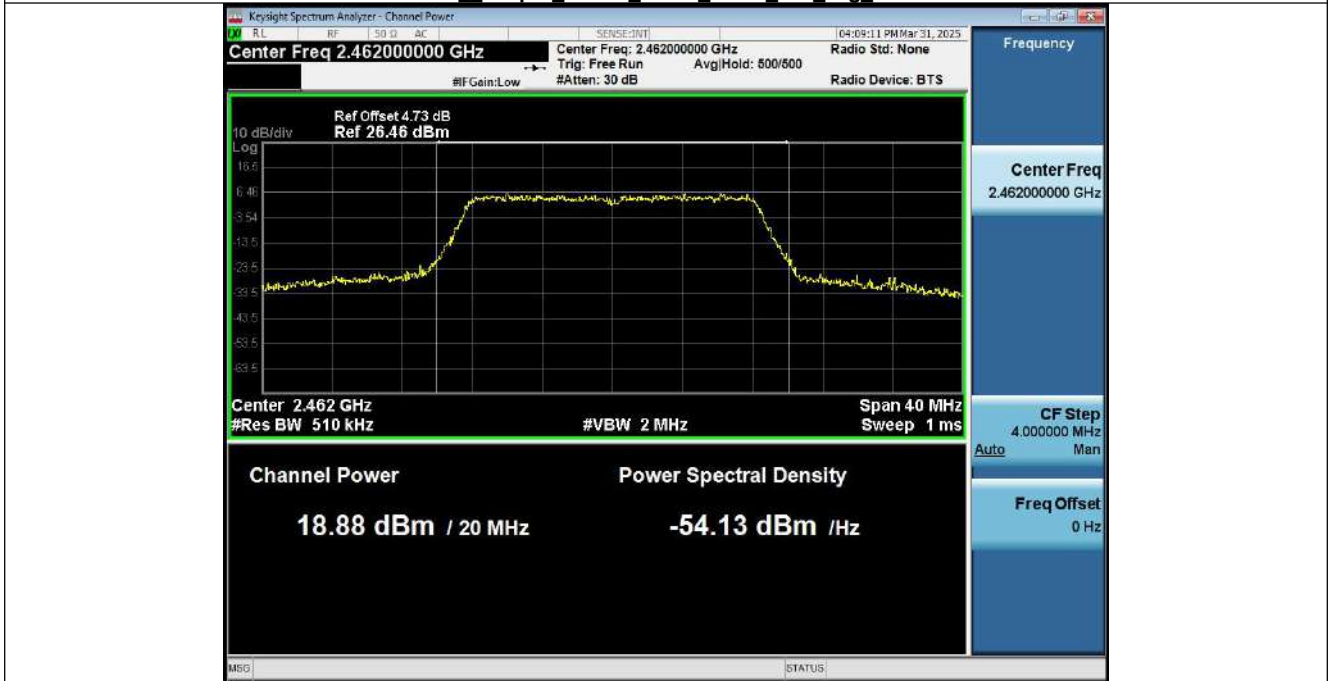
MAX Output Power NVNT_ANT1_802_11g_2412



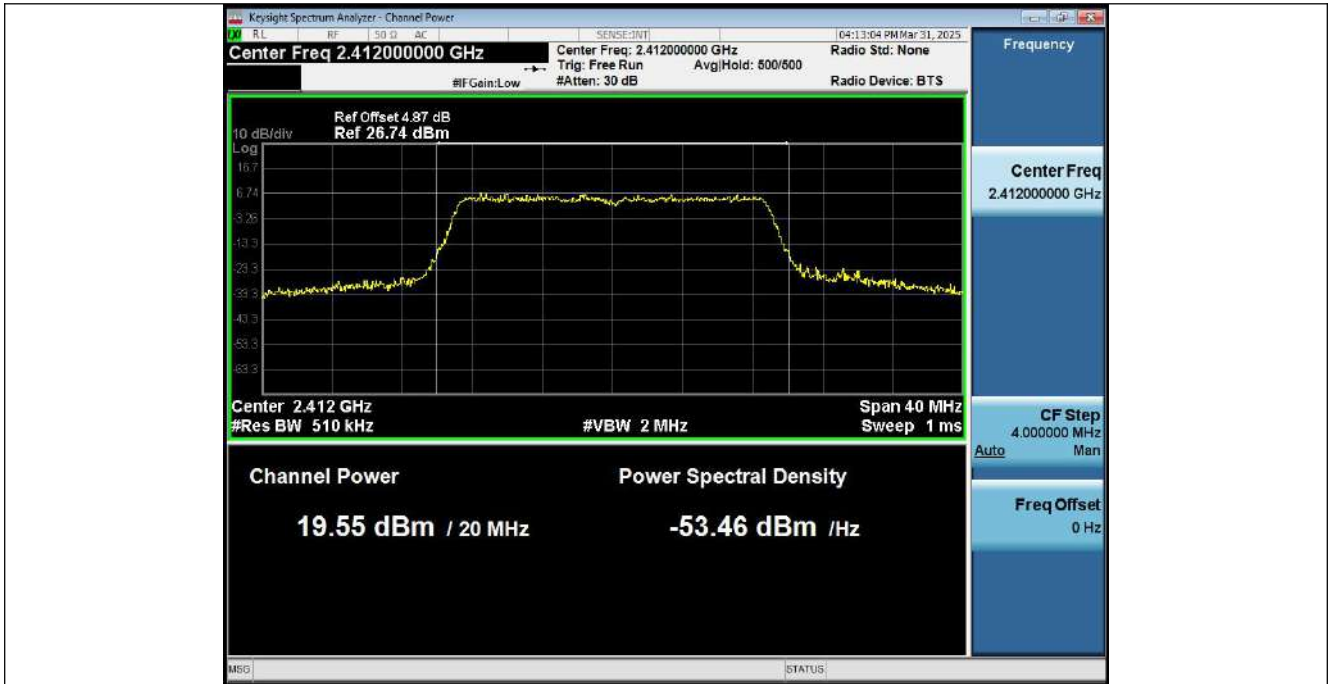
MAX Output Power NVNT_ANT1_802_11g_2437



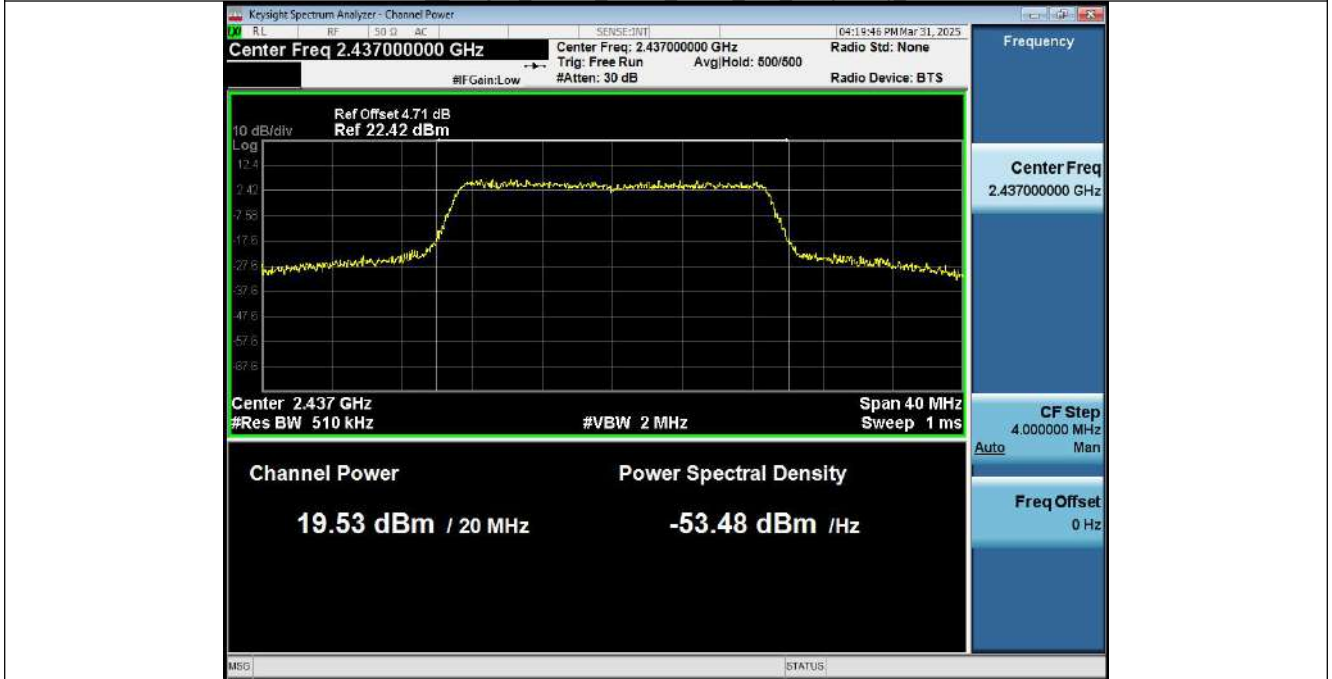
MAX Output Power_NVNT_ANT1_802_11g_2462



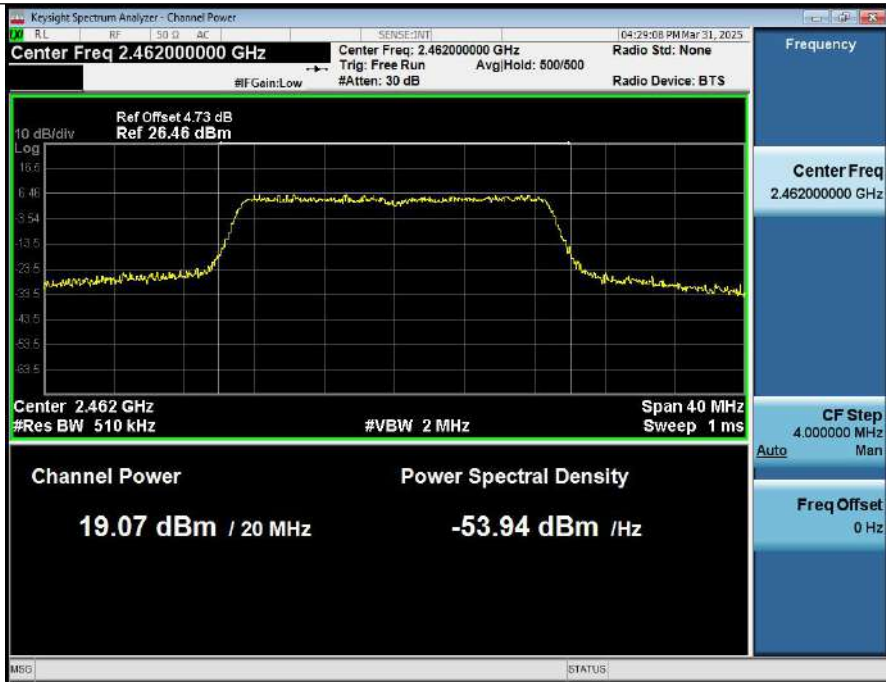
MAX Output Power_NVNT_ANT1_802_11n(HT20)_2412



MAX Output Power_NVNT_ANT1_802_11n(HT20)_2437

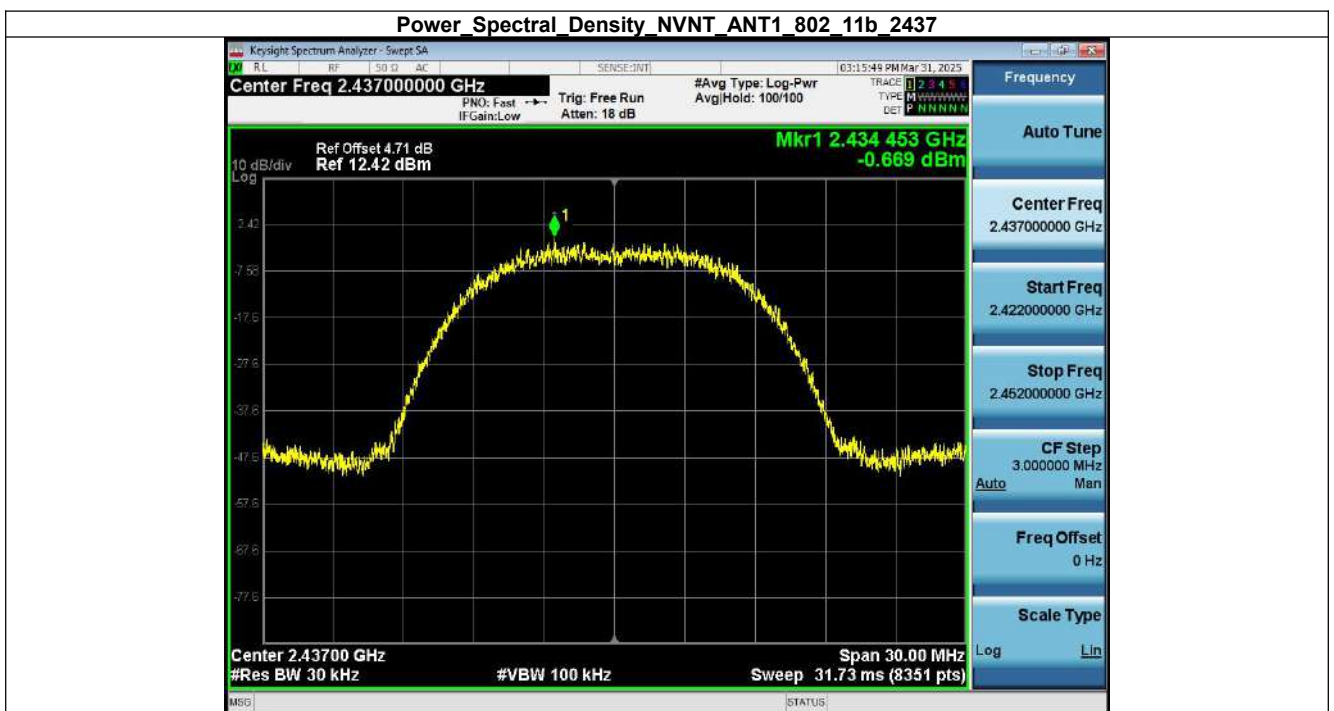
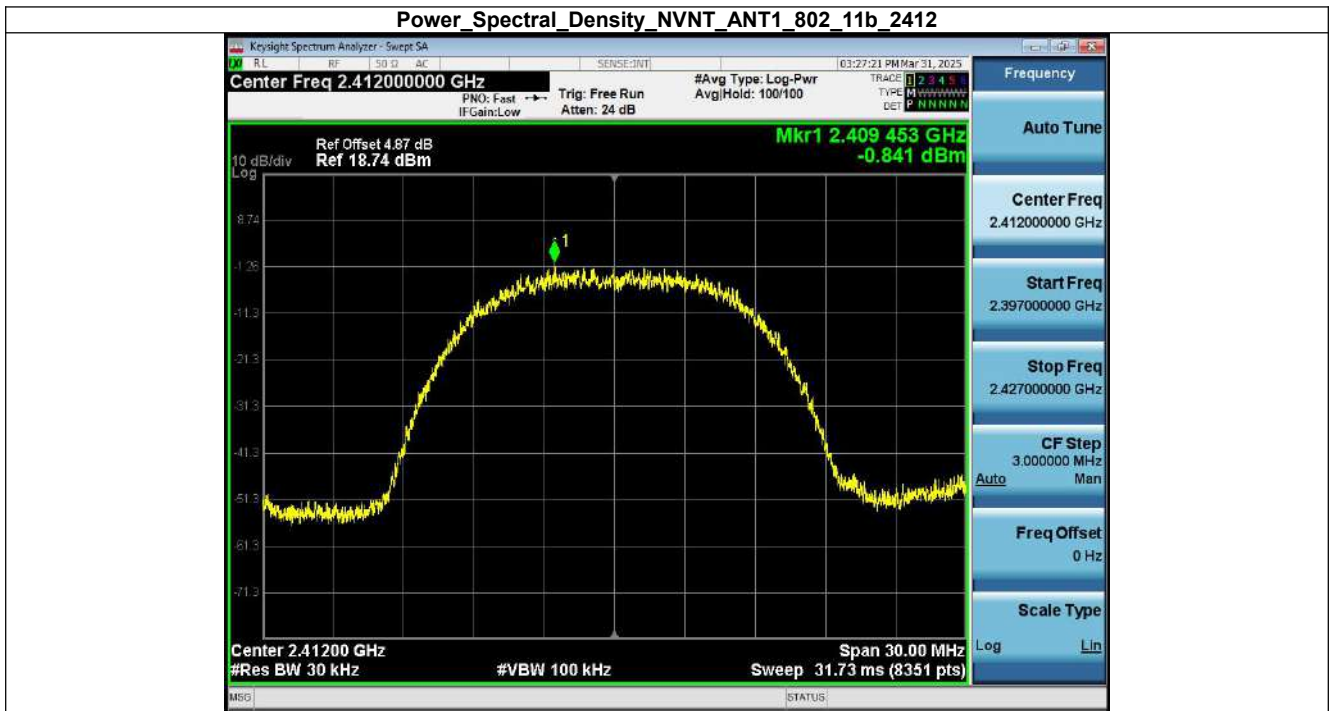


MAX Output Power_NVNT_ANT1_802_11n(HT20)_2462



5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-0.84	-10.00	-10.84	8	Pass
NVNT	ANT1	802.11b	2437.00	-0.67	-10.00	-10.67	8	Pass
NVNT	ANT1	802.11b	2462.00	-1.23	-10.00	-11.23	8	Pass
NVNT	ANT1	802.11g	2412.00	-3.45	-10.00	-13.45	8	Pass
NVNT	ANT1	802.11g	2437.00	-3.23	-10.00	-13.23	8	Pass
NVNT	ANT1	802.11g	2462.00	-4.14	-10.00	-14.14	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-3.69	-10.00	-13.69	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-3.81	-10.00	-13.81	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-4.11	-10.00	-14.11	8	Pass



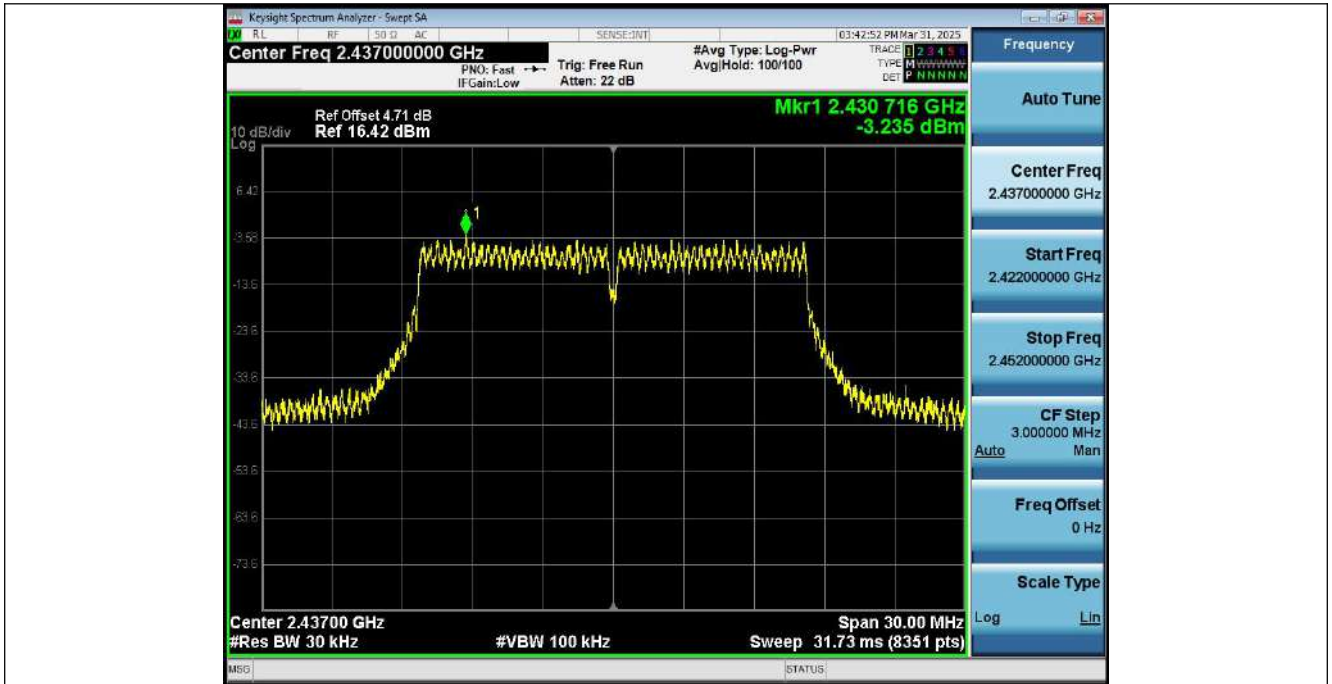
Power Spectral Density NVNT_ANT1_802_11b_2462



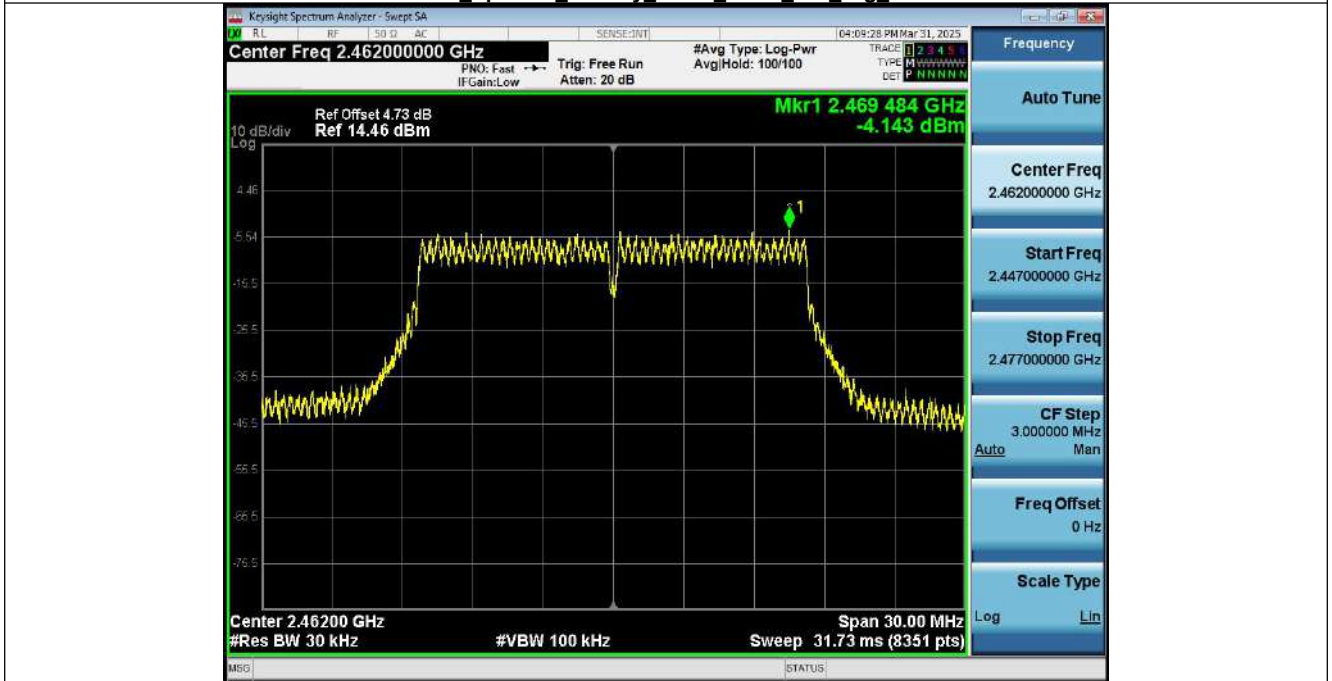
Power Spectral Density NVNT_ANT1_802_11g_2412



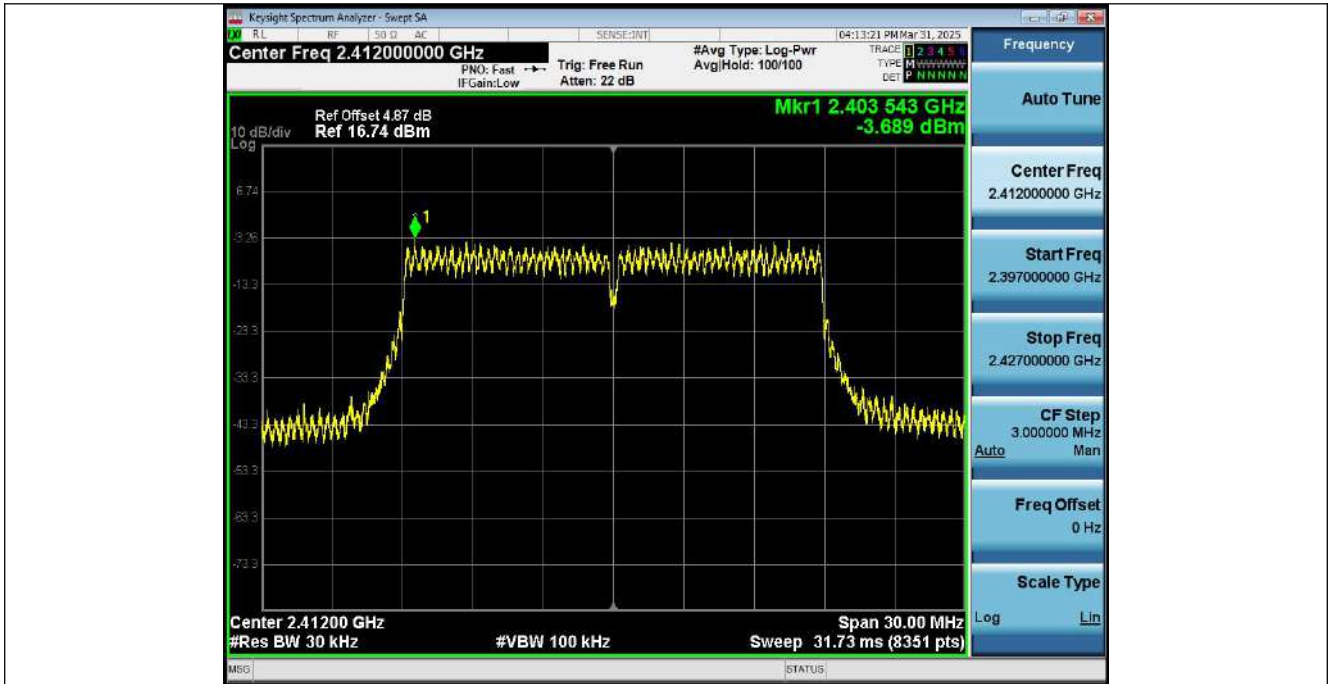
Power Spectral Density NVNT_ANT1_802_11g_2437



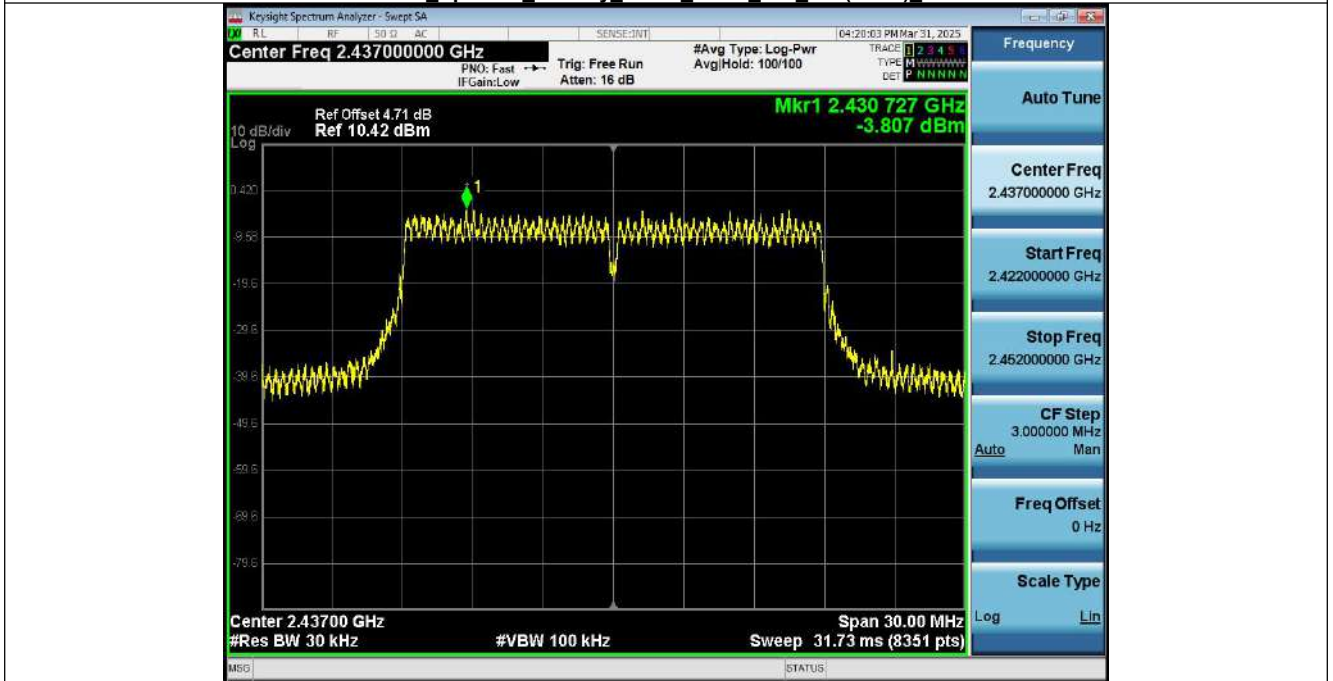
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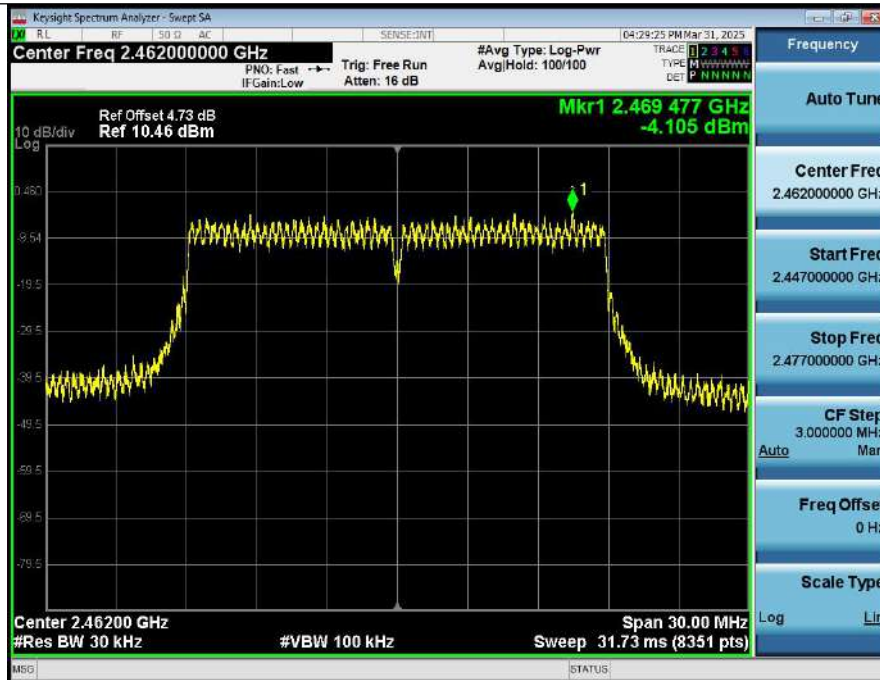
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



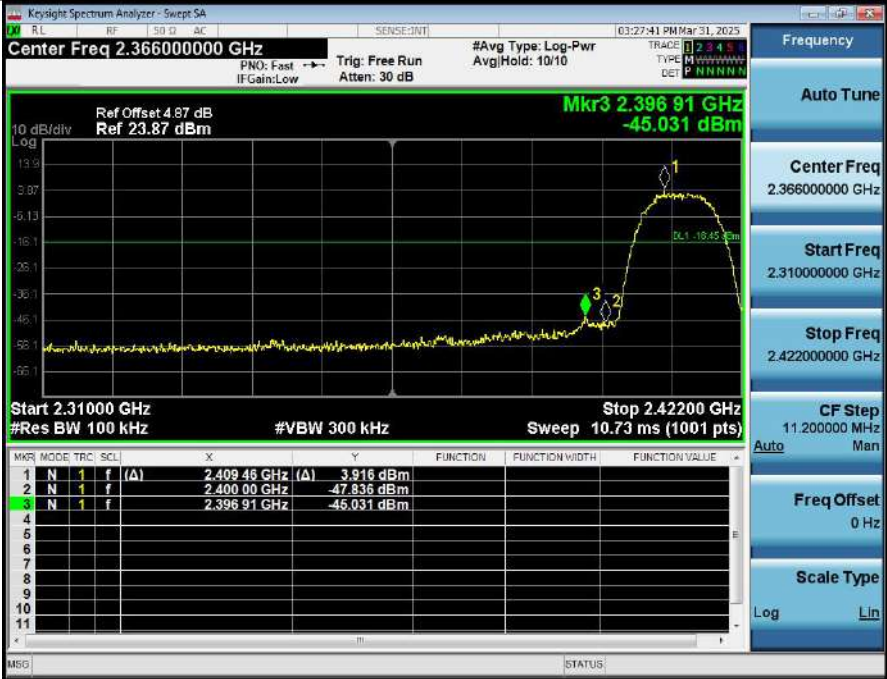
6. Bandedge

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	2396.912	3.549	-45.031	-16.451	Pass
NVNT	ANT1	802.11b	2462.00	2483.968	3.532	-52.227	-16.468	Pass
NVNT	ANT1	802.11g	2412.00	2398.256	0.729	-36.824	-19.271	Pass
NVNT	ANT1	802.11g	2462.00	2483.536	0.000	-45.052	-20.000	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2398.592	0.443	-35.343	-19.557	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.632	0.196	-41.648	-19.804	Pass

1 Reference Level NVNT ANT1 802 11b 2412



2 Bandedge NVNT ANT1 802 11b 2412



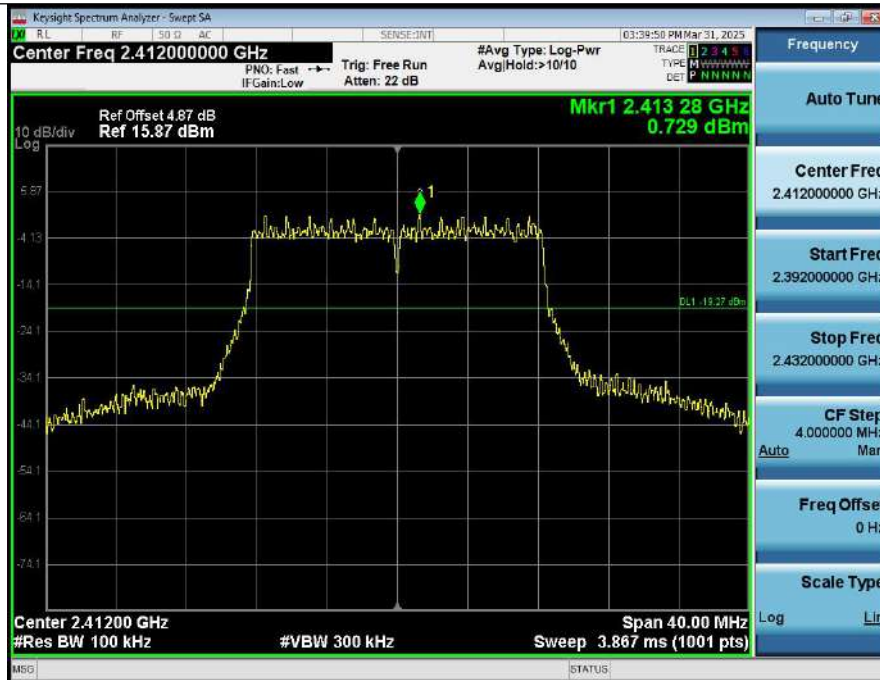
1 Reference Level NVNT ANT1 802 11b 2462



2_Bandedge_NVNT_ANT1_802_11b_2462



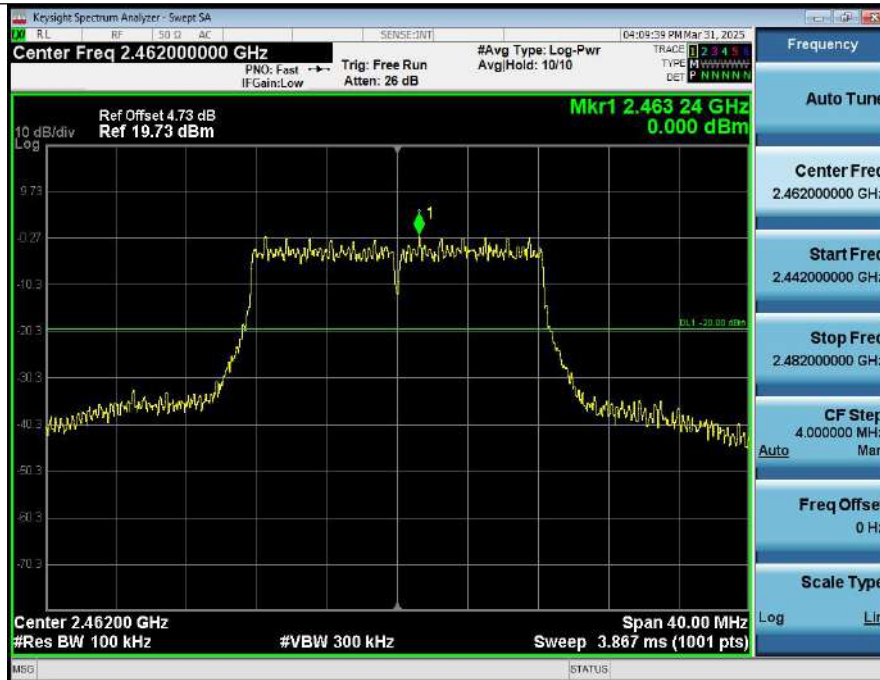
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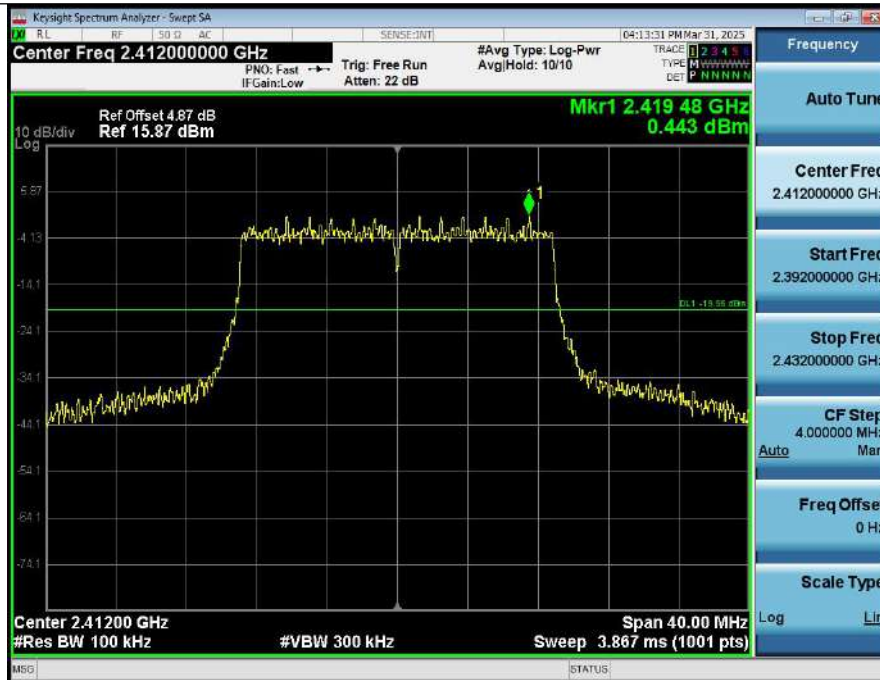
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2_Bandedge_NVNT_ANT1_802_11g_2462



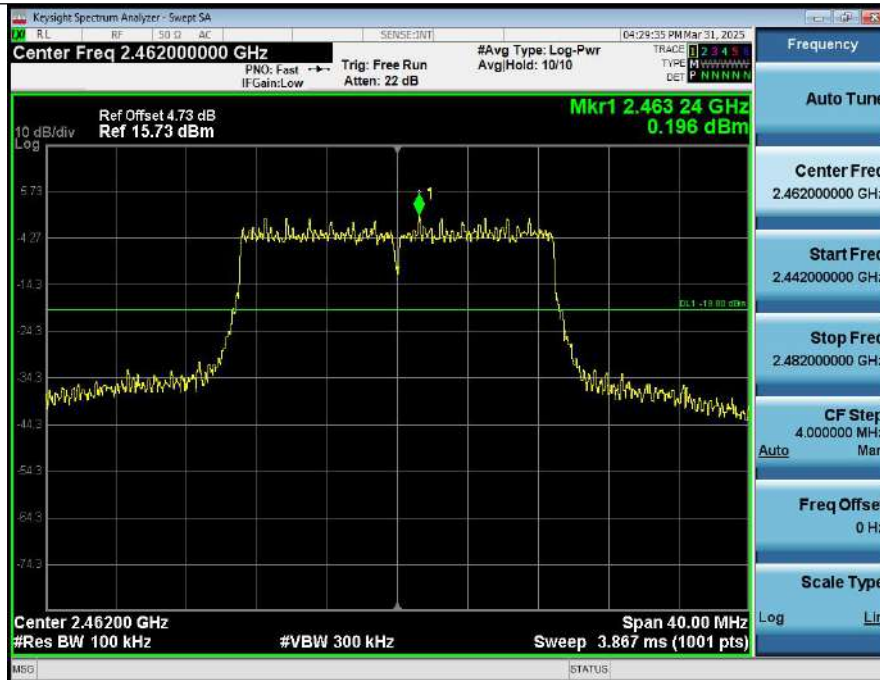
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2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



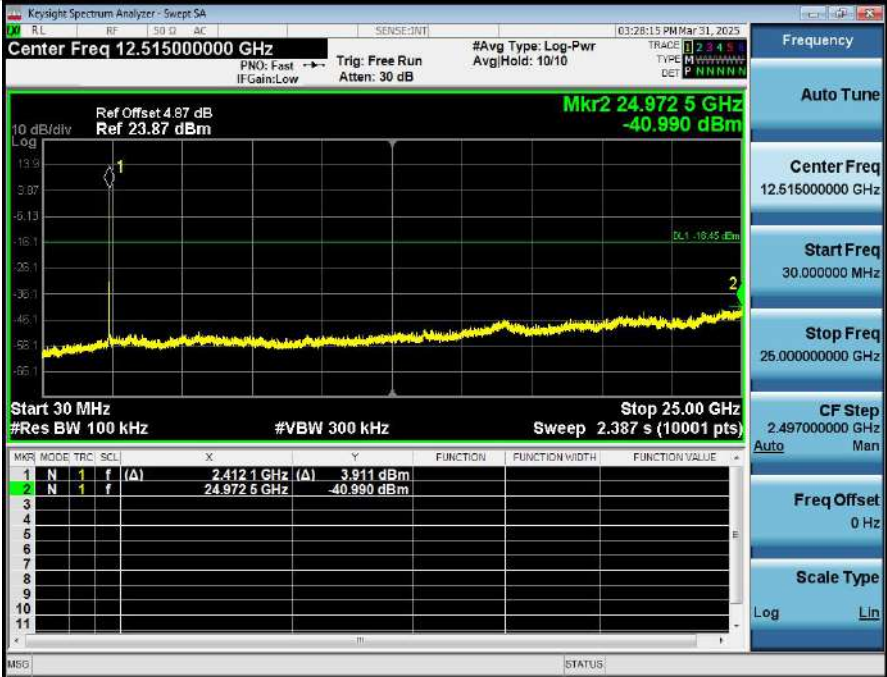
7. Spurious Emission

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	24972.533	3.549	-40.990	-16.451	Pass
NVNT	ANT1	802.11b	2437.00	24995.006	3.970	-44.435	-16.030	Pass
NVNT	ANT1	802.11b	2462.00	24990.012	3.532	-46.830	-16.468	Pass
NVNT	ANT1	802.11g	2412.00	25000.000	0.729	-49.621	-19.271	Pass
NVNT	ANT1	802.11g	2437.00	24912.605	0.948	-48.302	-19.052	Pass
NVNT	ANT1	802.11g	2462.00	24935.078	0.000	-45.305	-20.000	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24940.072	0.443	-48.683	-19.557	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24967.539	0.959	-48.749	-19.041	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24935.078	0.196	-49.124	-19.804	Pass

1 Reference_Level_NVNT_ANT1_802_11b_2412



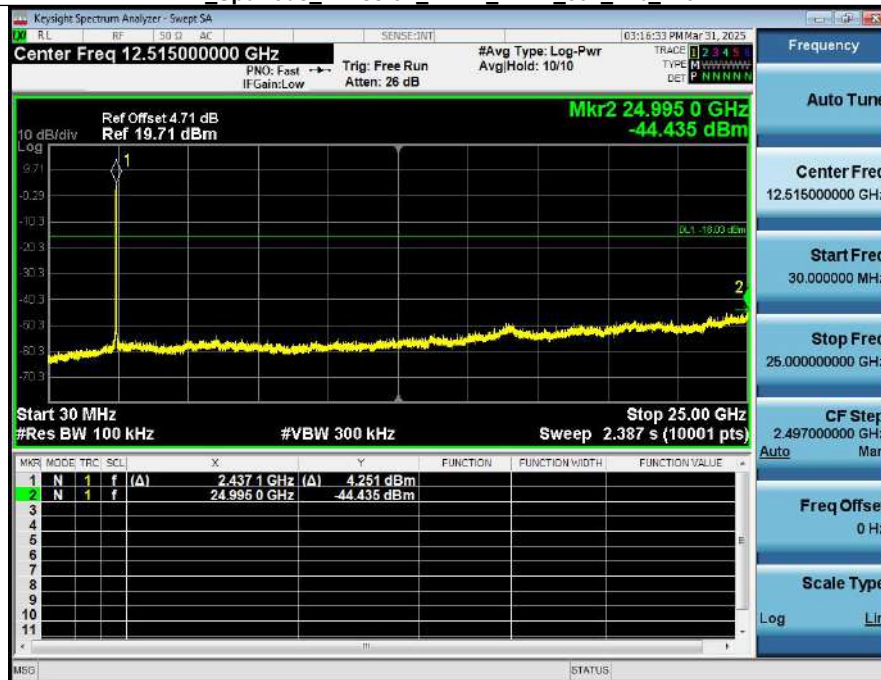
2 Spurious Emission_NVNT_ANT1_802_11b_2412



1 Reference Level NVNT_ANT1_802_11b_2437



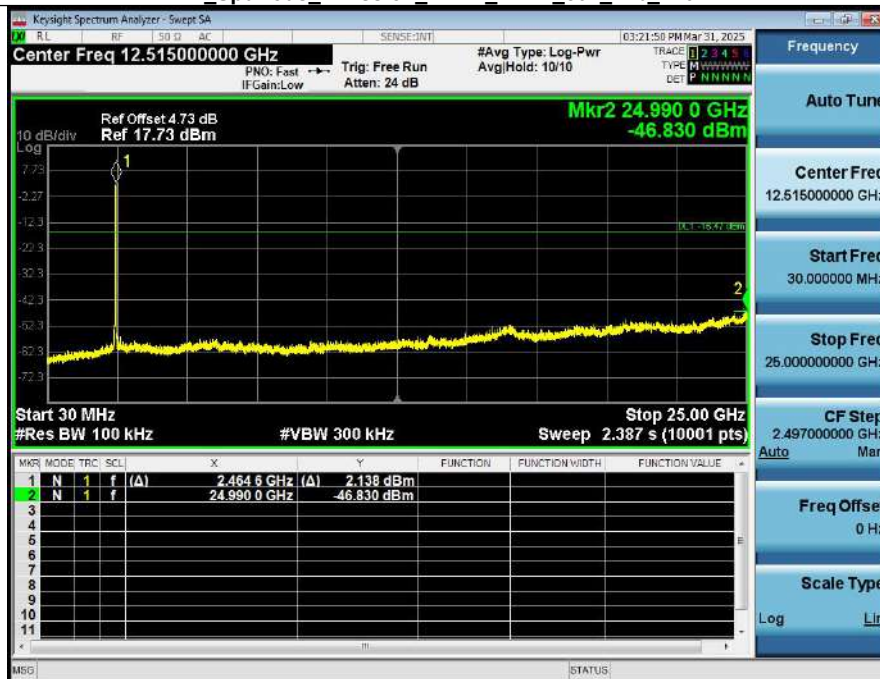
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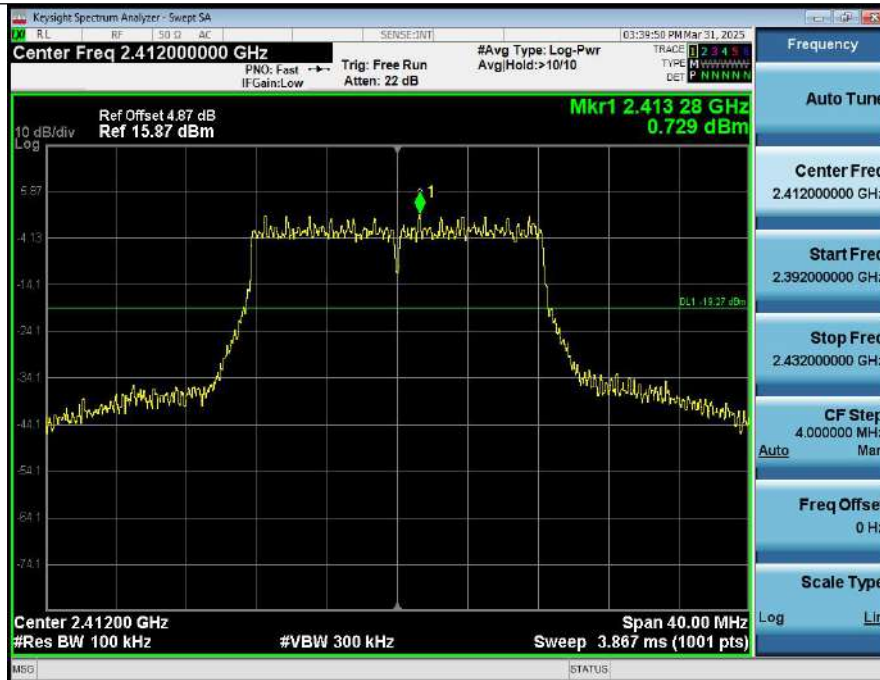
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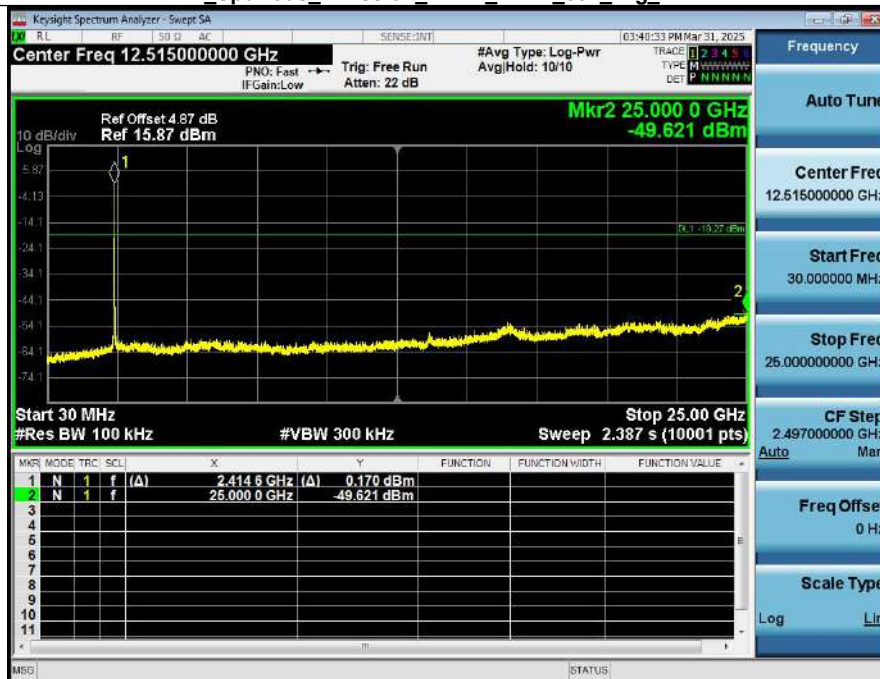
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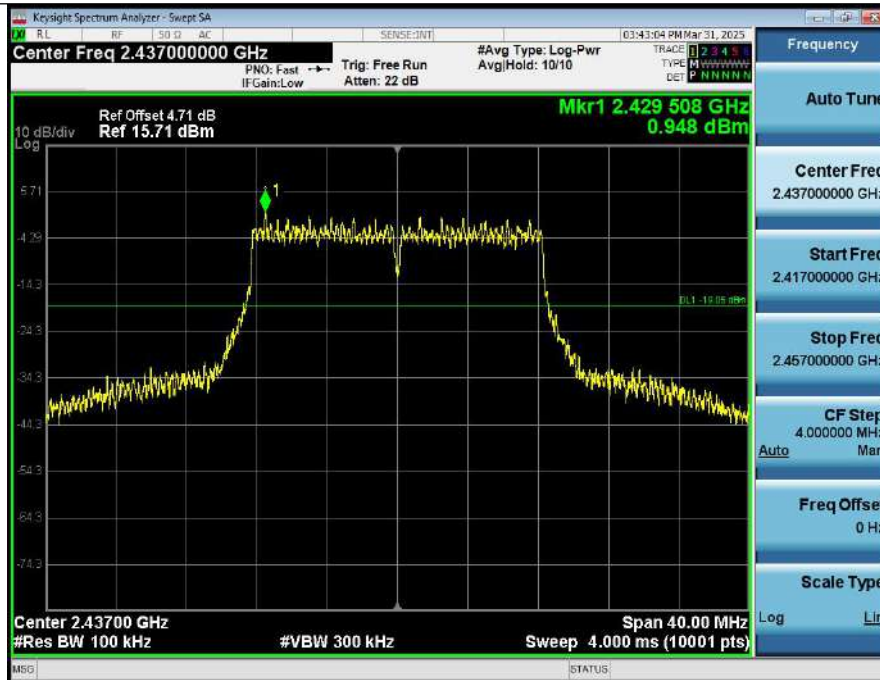
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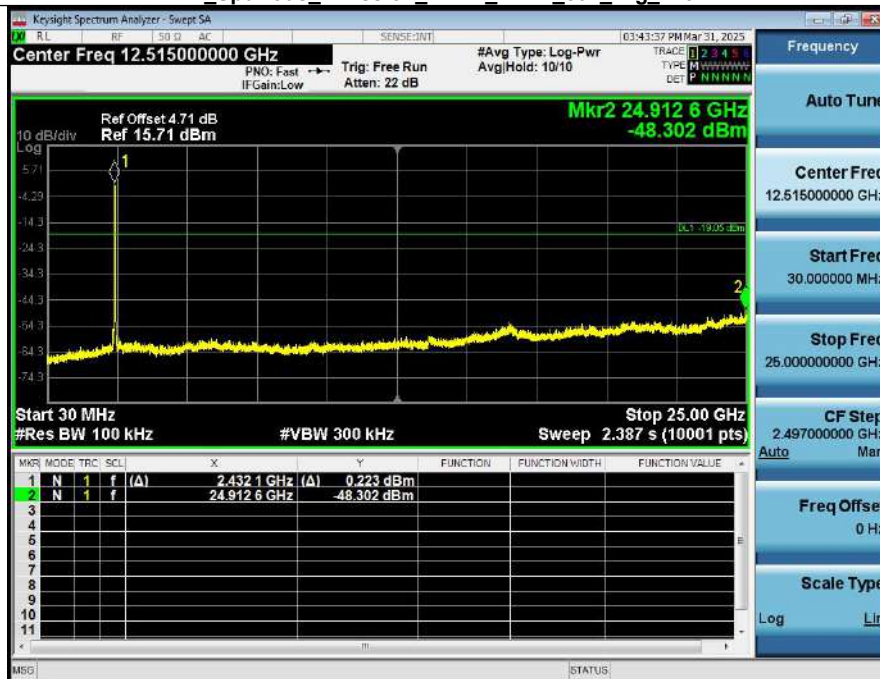
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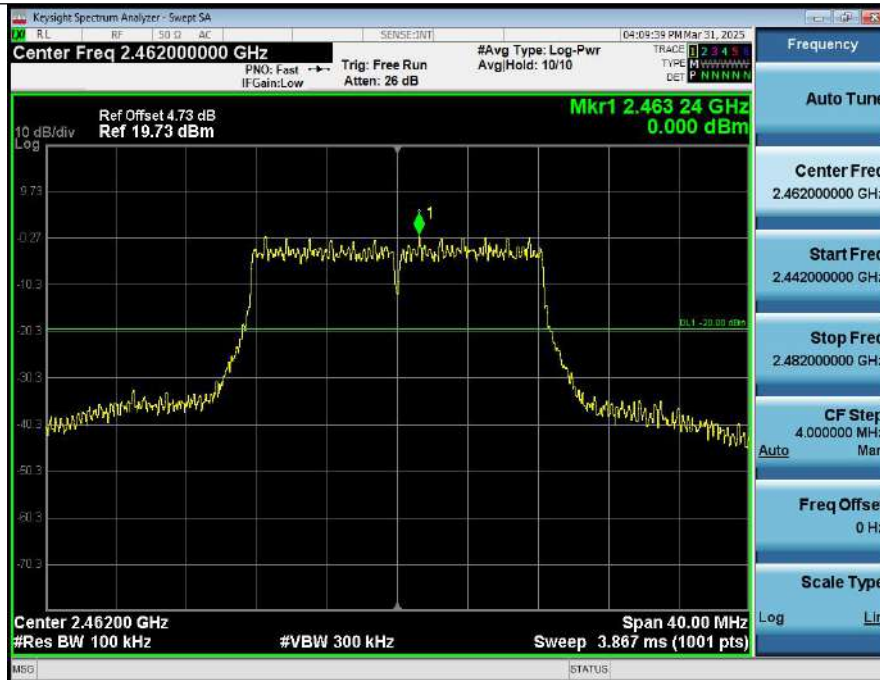
1_Reference_Level_NVNT_ANT1_802_11g_2437



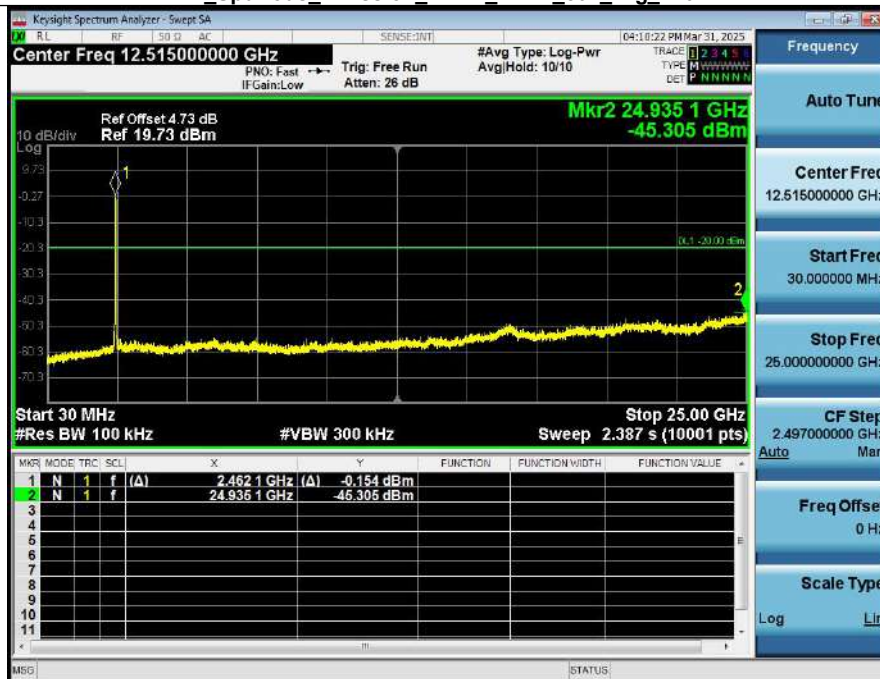
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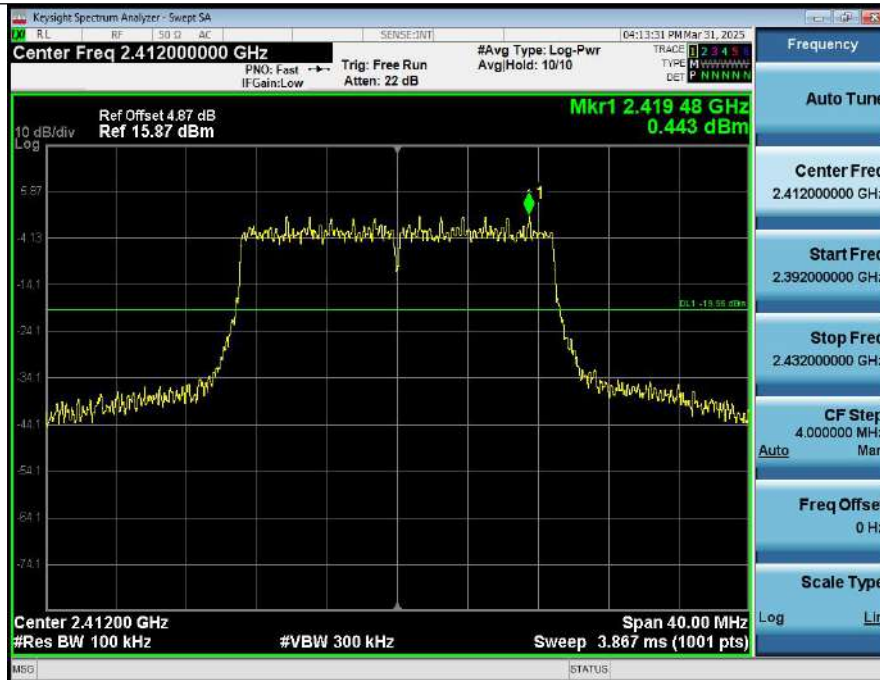
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2_Spurious_Emission_NVNT_ANT1_802_11g_2462



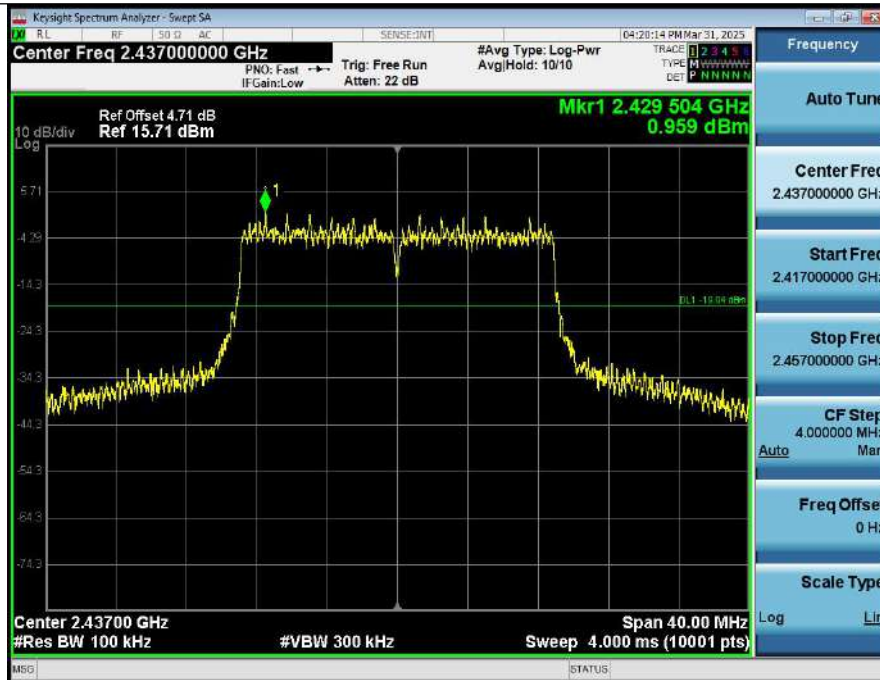
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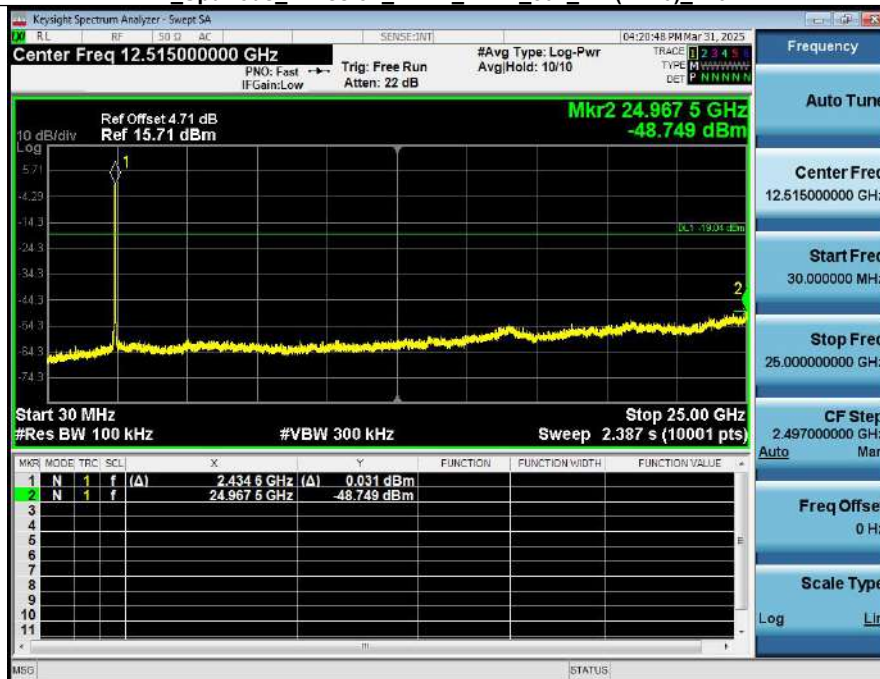
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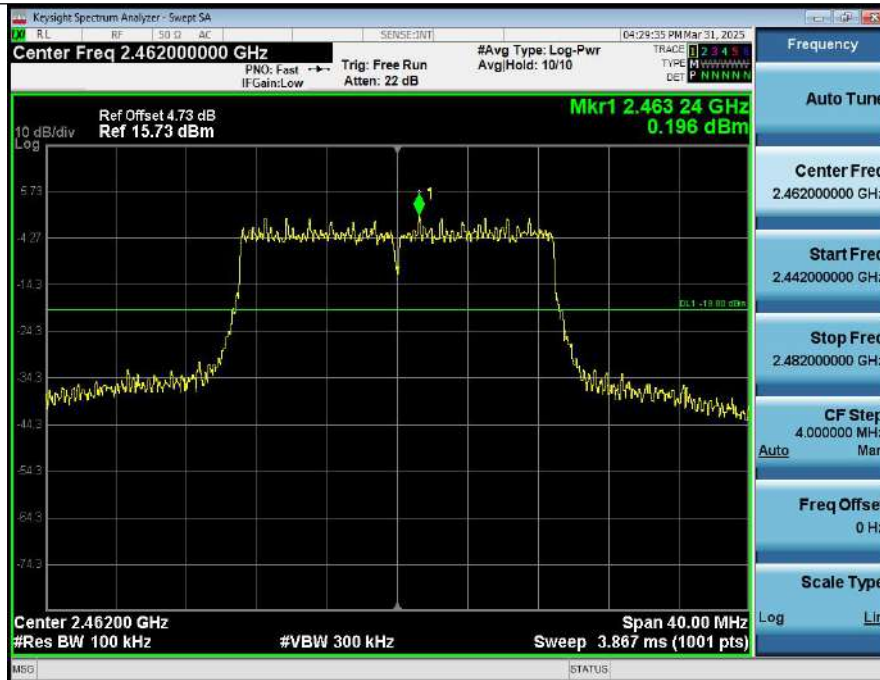
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2 Spurious Emission_NVNT_ANT1_802_11n(HT20)_2437



1 Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



2 Spurious Emission_NVNT_ANT1_802_11n(HT20)_2462

