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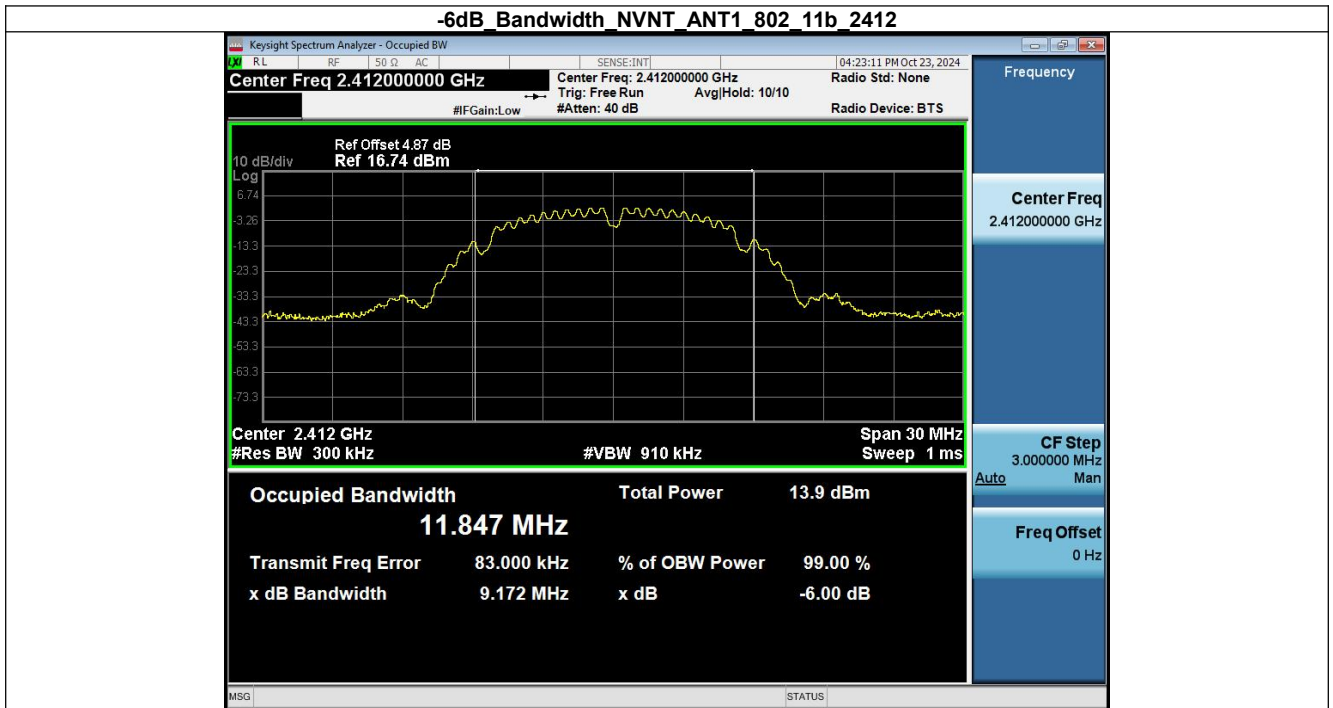
7. Spurious Emission 39

FCC ID WIFI2.4-1

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	9.17	500	Pass
NVNT	ANT1	802.11b	2437.00	9.20	500	Pass
NVNT	ANT1	802.11b	2462.00	9.18	500	Pass
NVNT	ANT1	802.11g	2412.00	16.48	500	Pass
NVNT	ANT1	802.11g	2437.00	16.52	500	Pass
NVNT	ANT1	802.11g	2462.00	16.43	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.44	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.46	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.52	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.01	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.75	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.05	500	Pass



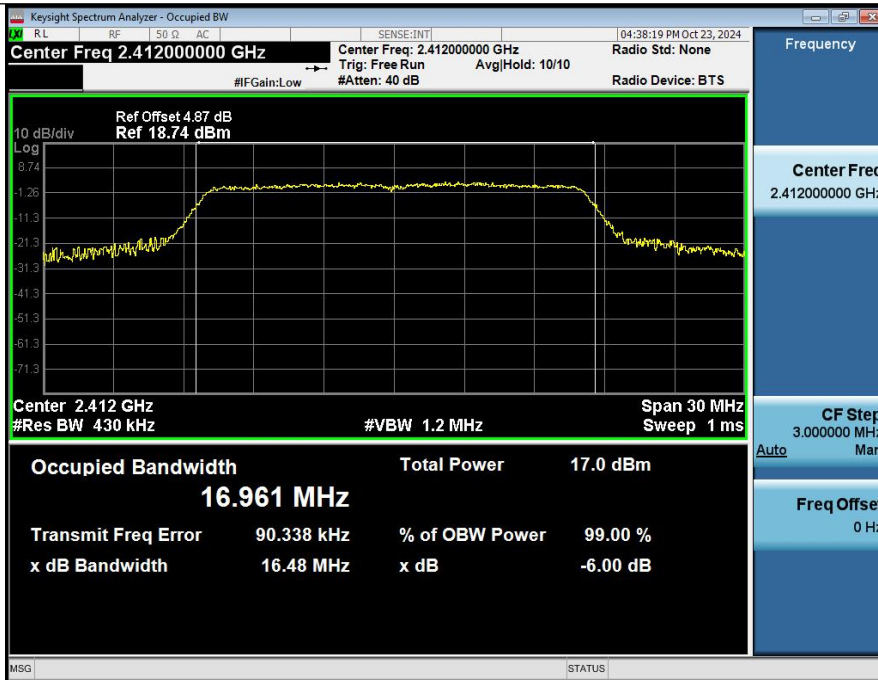
-6dB Bandwidth NVNT ANT1 802 11b 2437



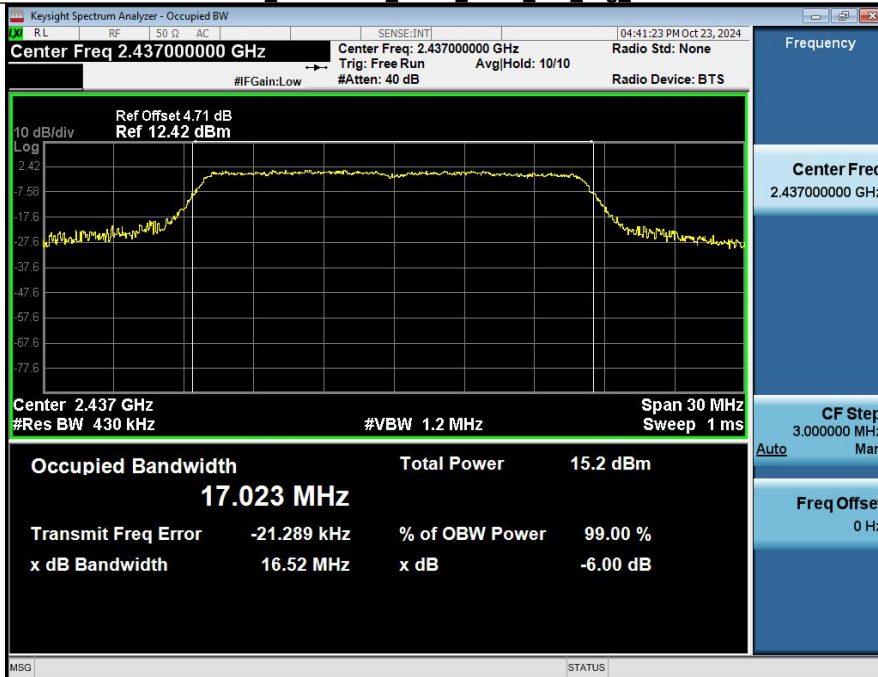
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



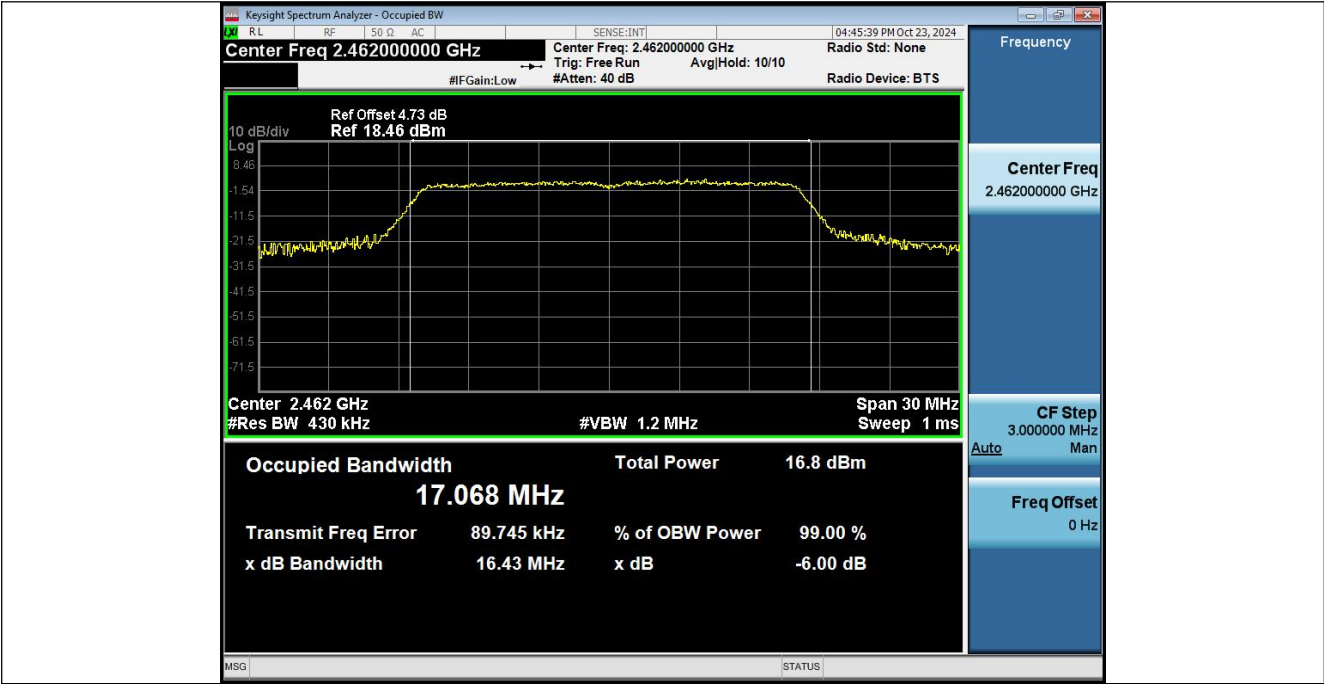
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



-6dB Bandwidth NVNT_ANT1_802_11g_2437



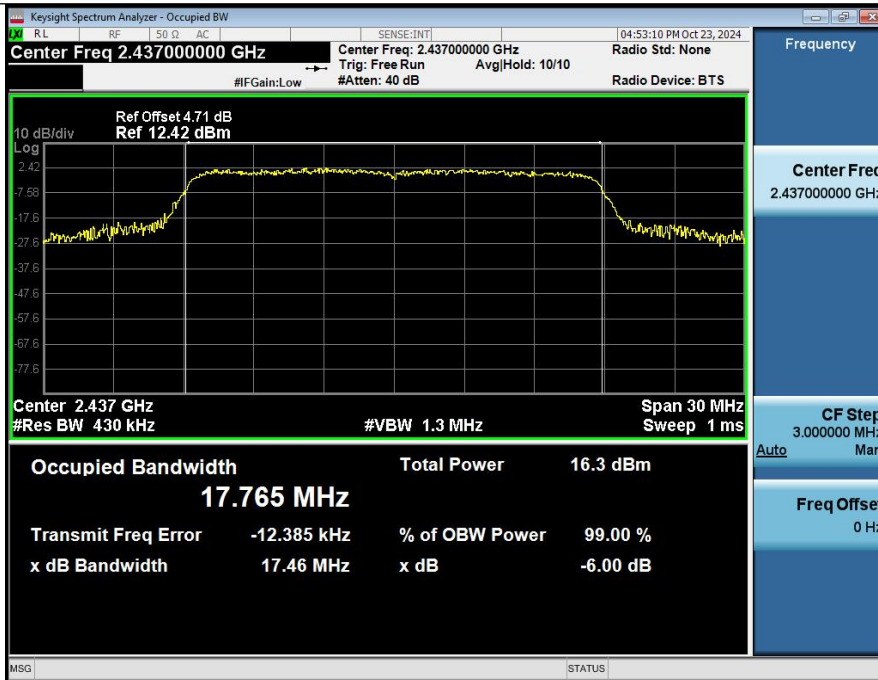
-6dB Bandwidth NVNT_ANT1_802_11g_2462



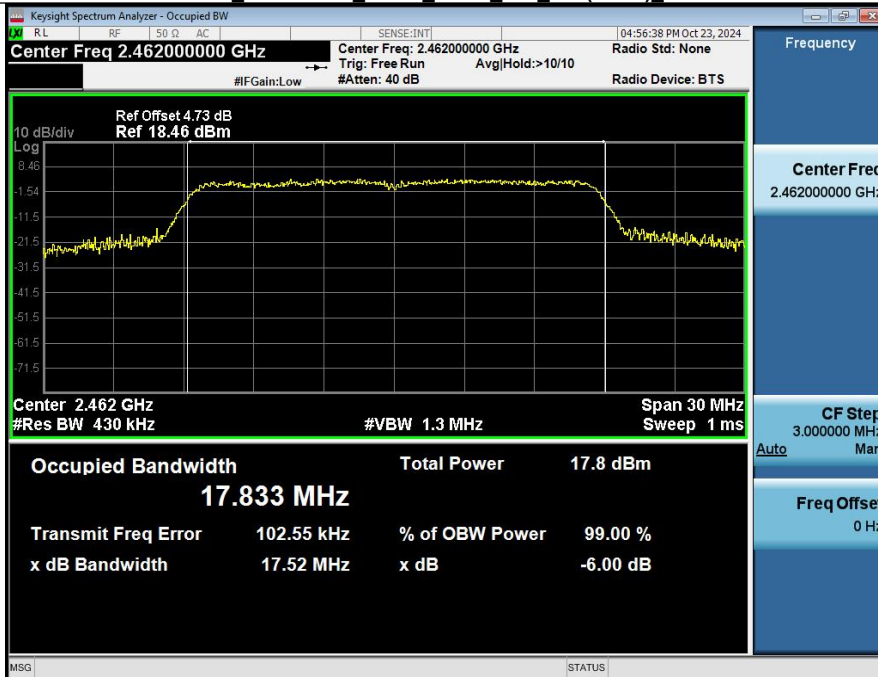
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



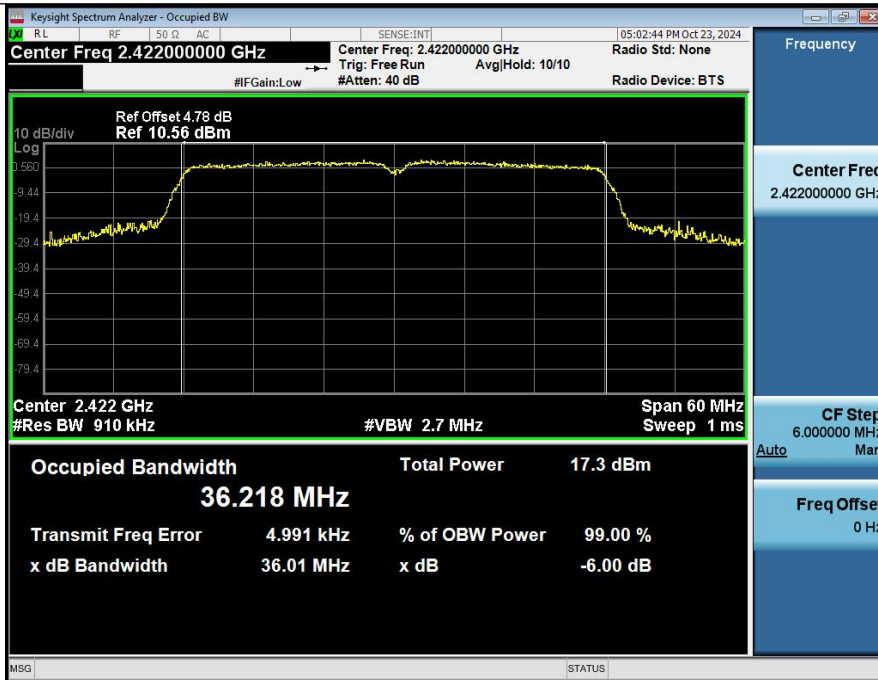
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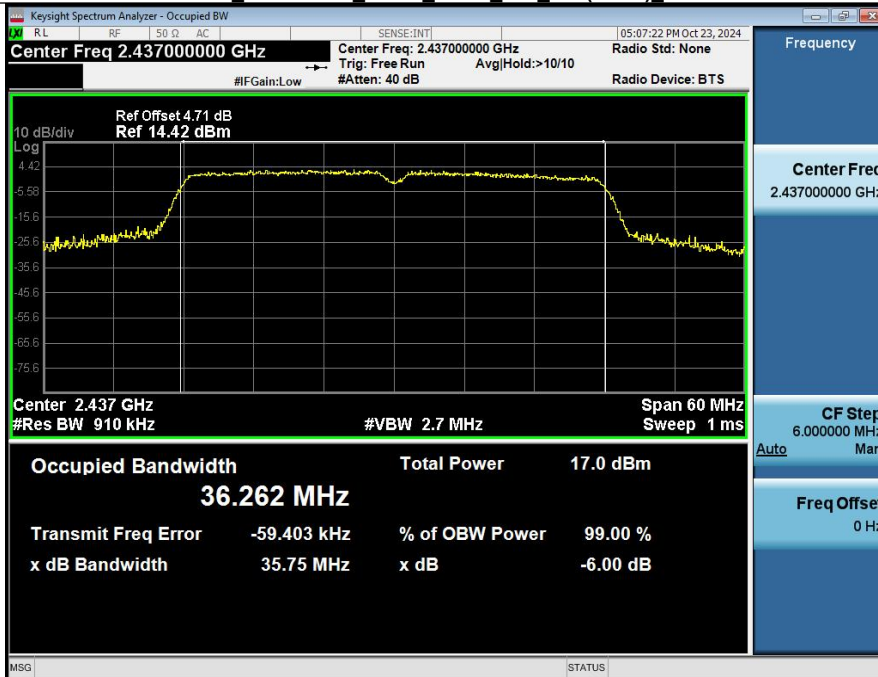
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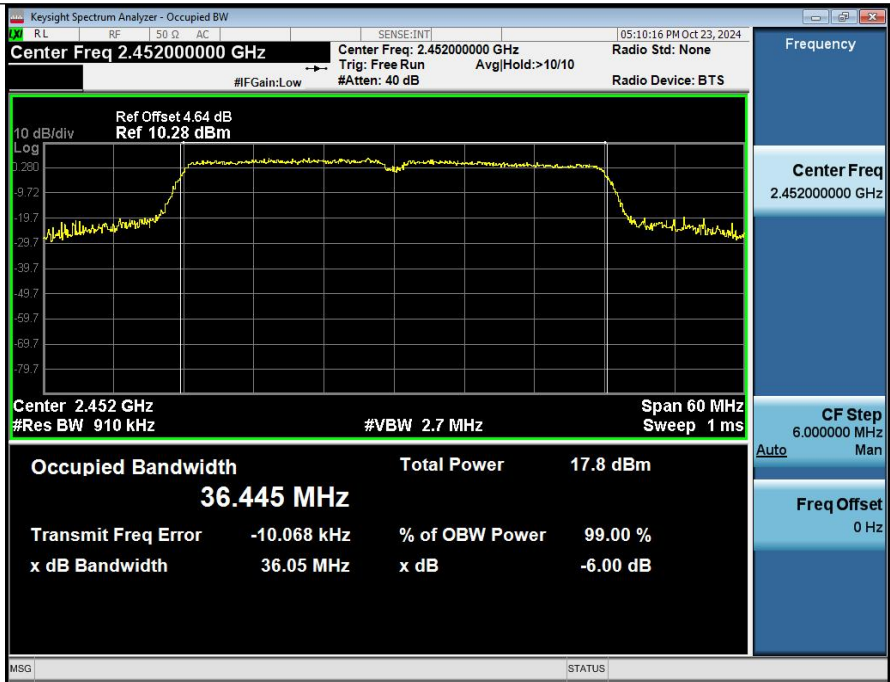
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-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

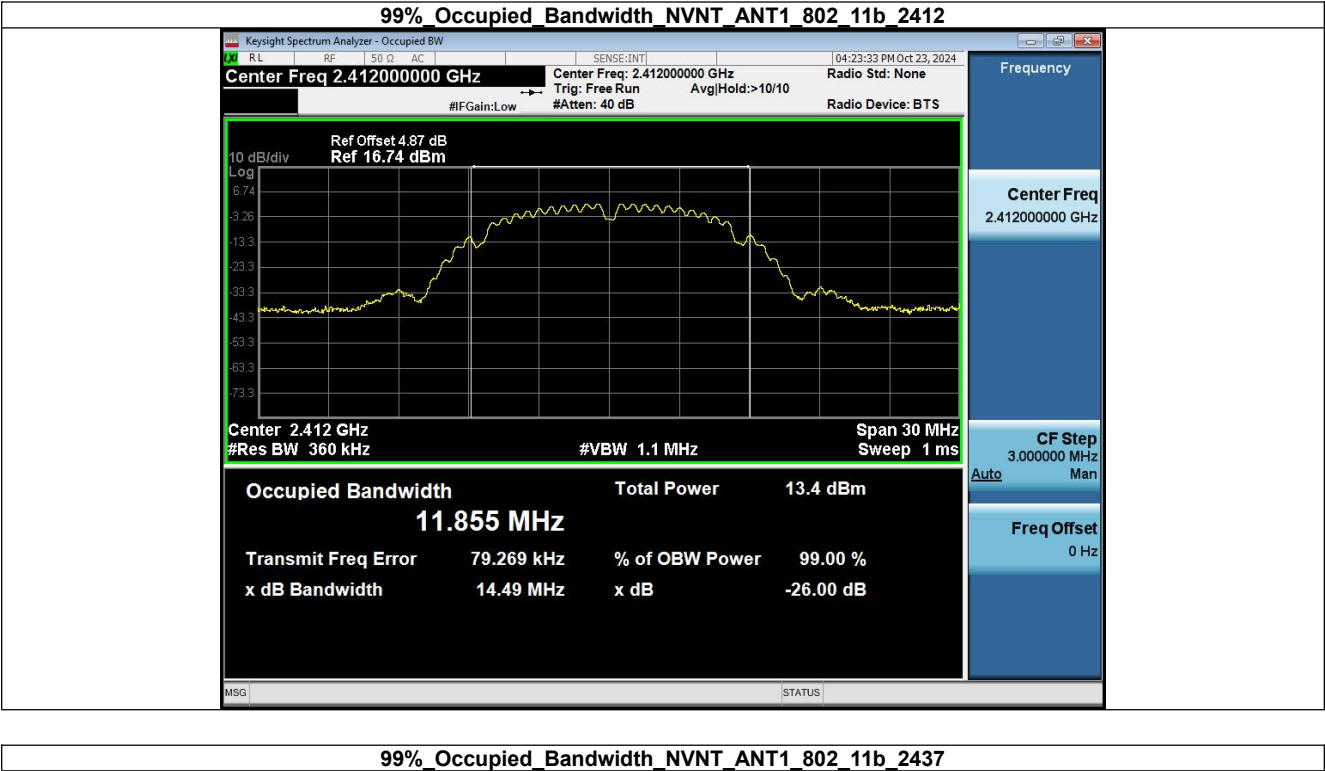


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

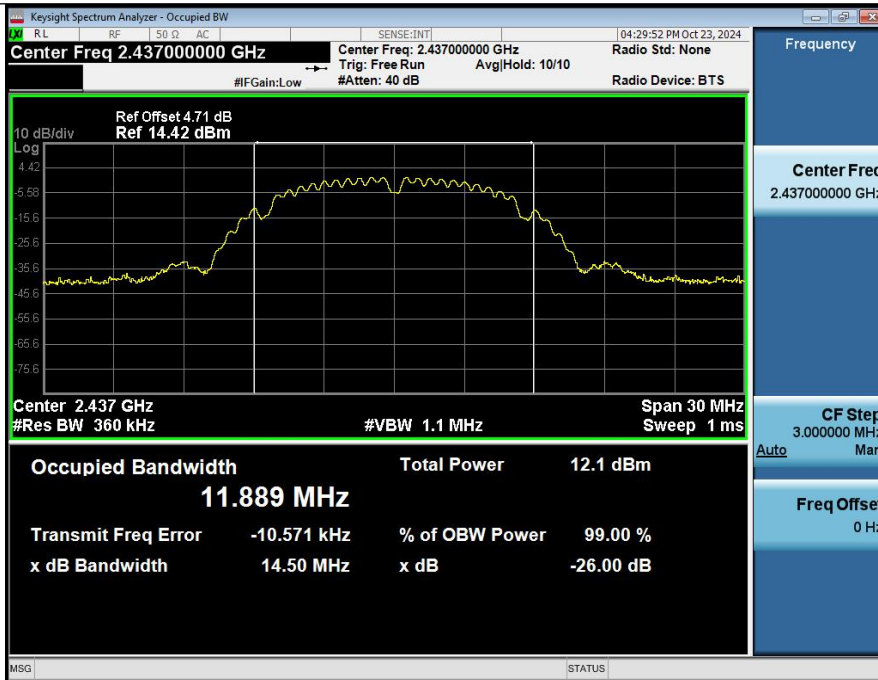


2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	11.855
NVNT	ANT1	802.11b	2437.00	11.889
NVNT	ANT1	802.11b	2462.00	11.879
NVNT	ANT1	802.11g	2412.00	17.078
NVNT	ANT1	802.11g	2437.00	17.125
NVNT	ANT1	802.11g	2462.00	17.287
NVNT	ANT1	802.11n(HT20)	2412.00	17.810
NVNT	ANT1	802.11n(HT20)	2437.00	17.802
NVNT	ANT1	802.11n(HT20)	2462.00	17.912
NVNT	ANT1	802.11n(HT40)	2422.00	36.297
NVNT	ANT1	802.11n(HT40)	2437.00	36.305
NVNT	ANT1	802.11n(HT40)	2452.00	36.507



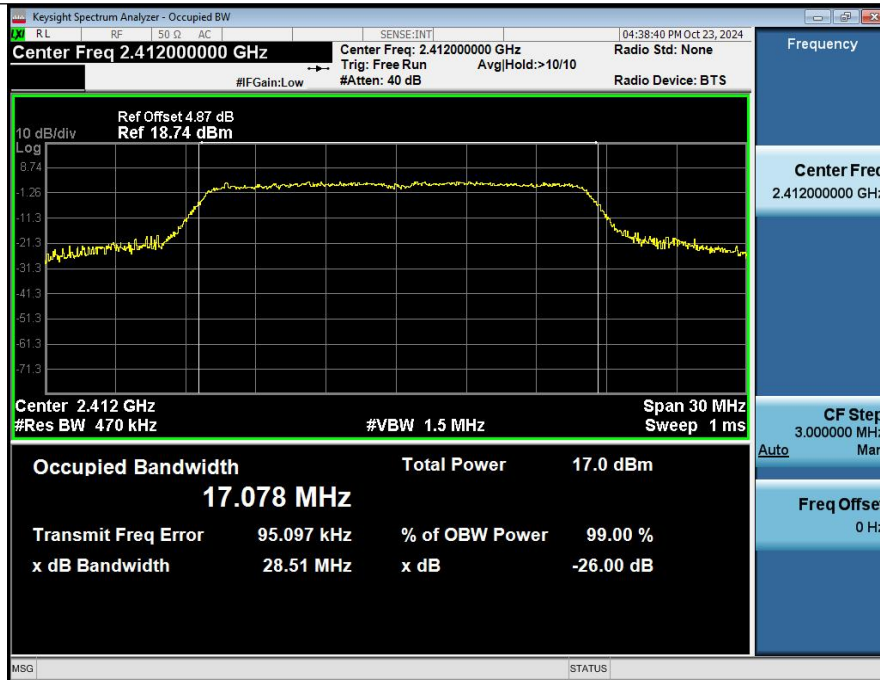
99% Occupied Bandwidth NVNT ANT1 802_11b_2437



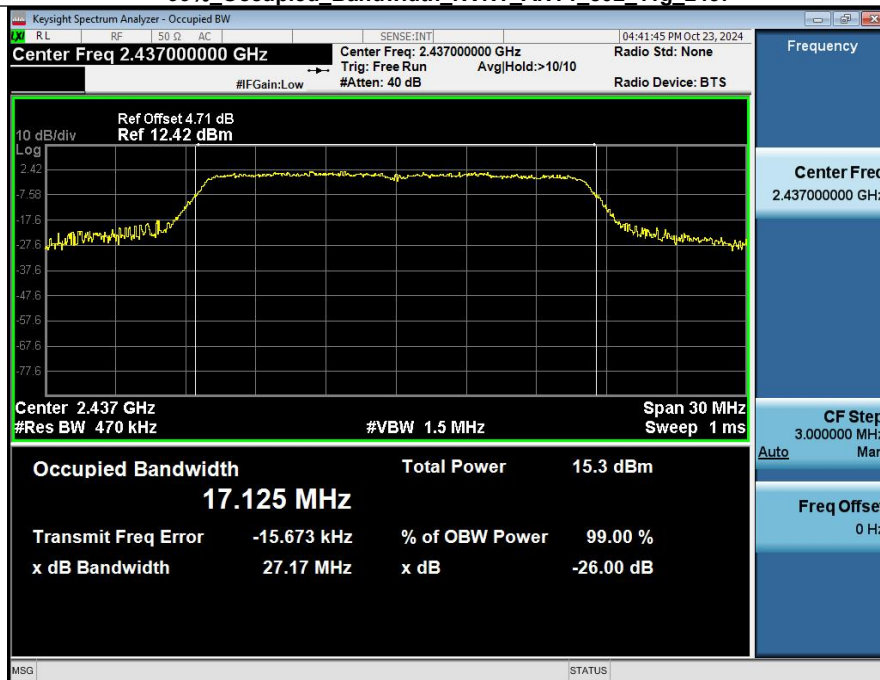
99% Occupied Bandwidth NVNT ANT1_802_11b_2462



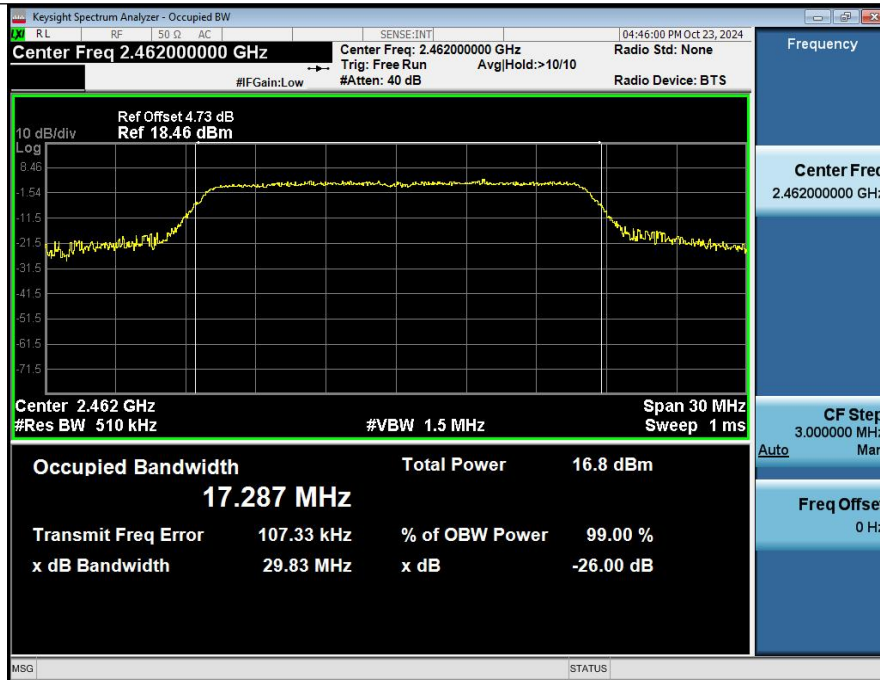
99% Occupied Bandwidth NVNT ANT1_802_11g_2412



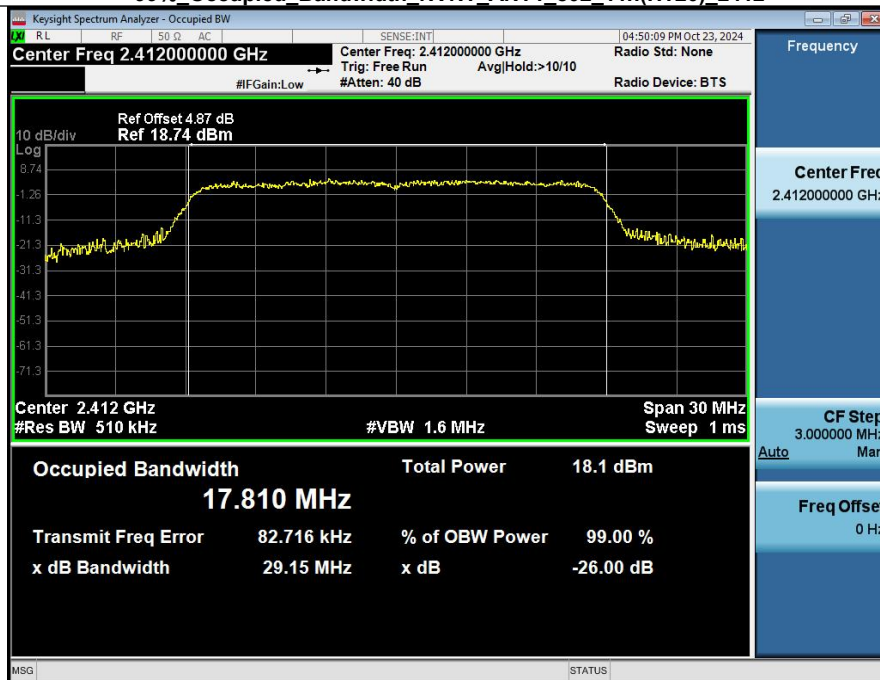
99% Occupied Bandwidth_NVNT_ANT1_802_11g_2437



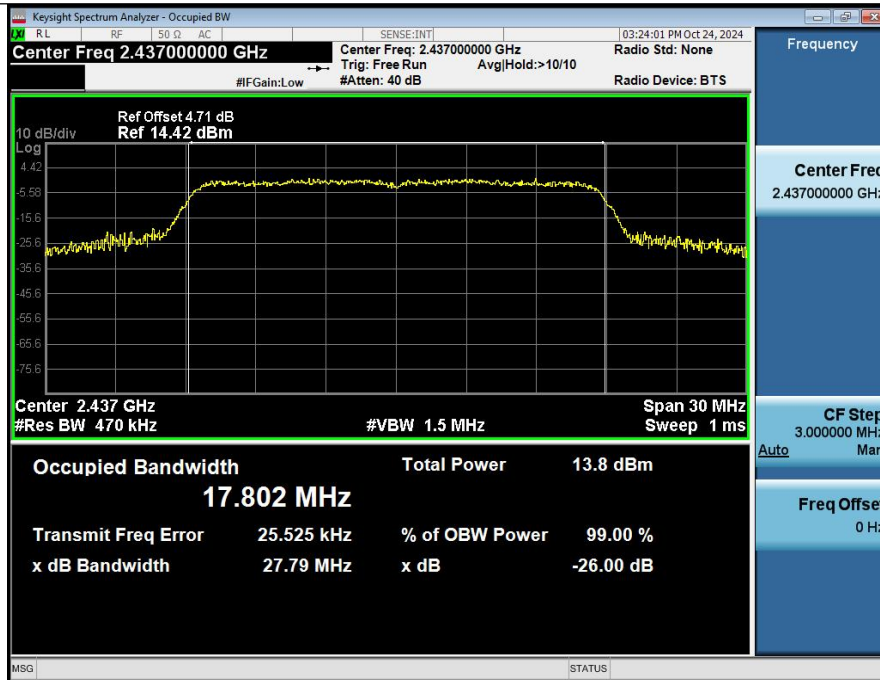
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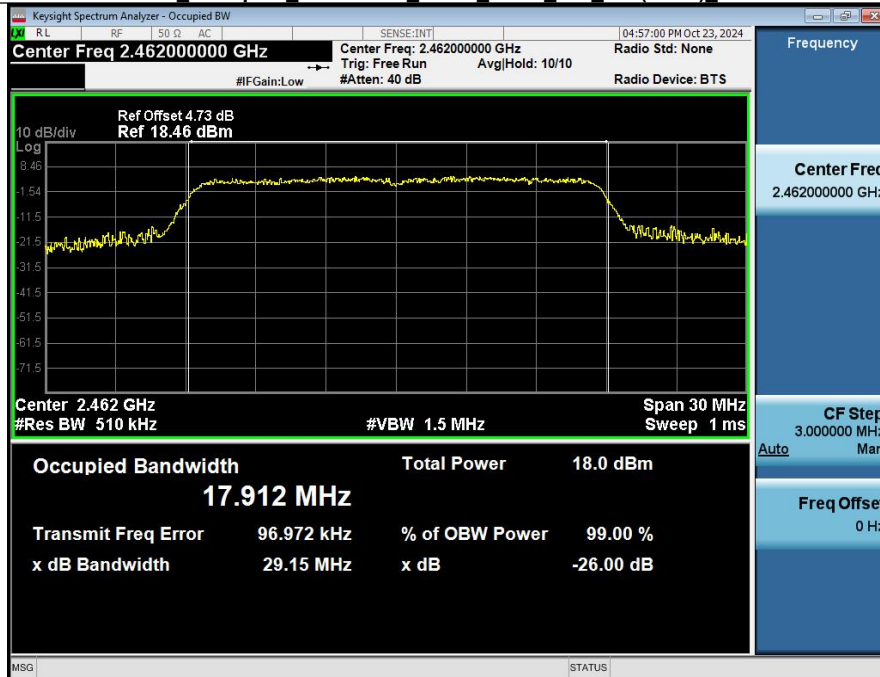
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



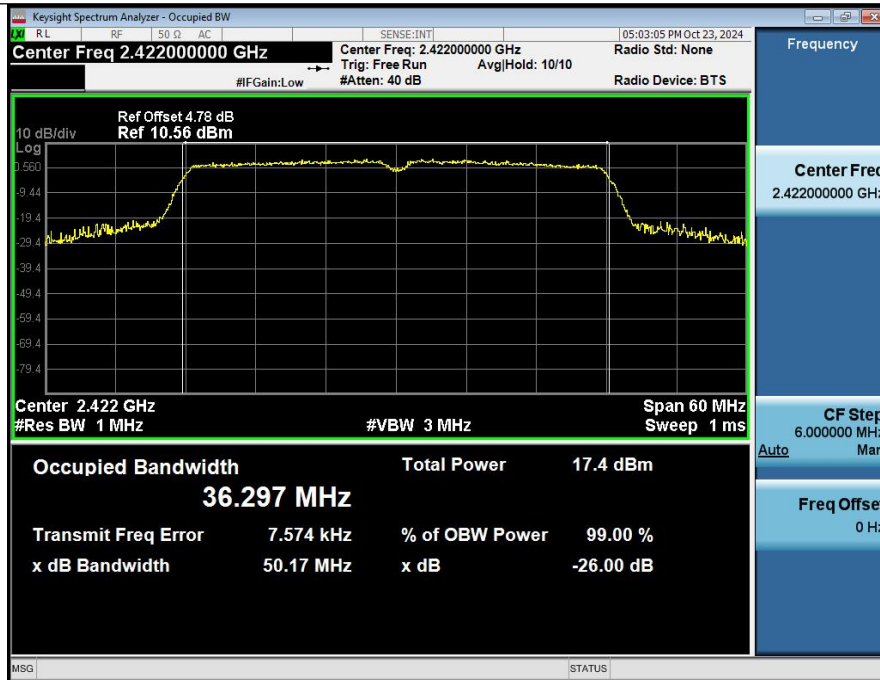
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



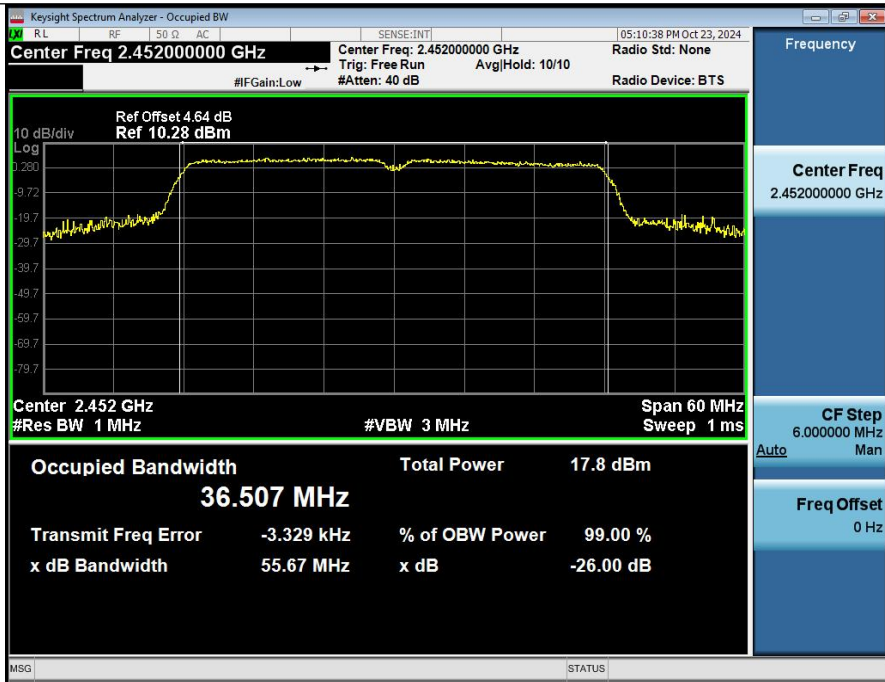
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99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

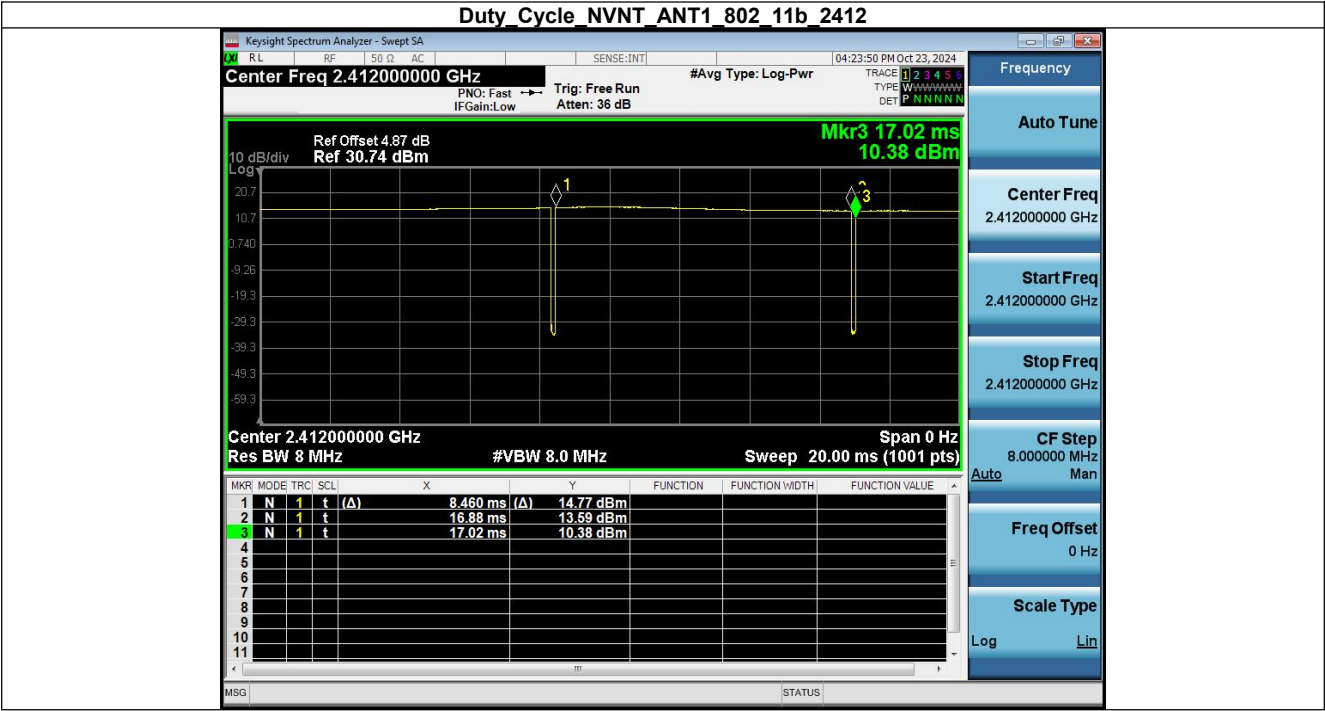


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

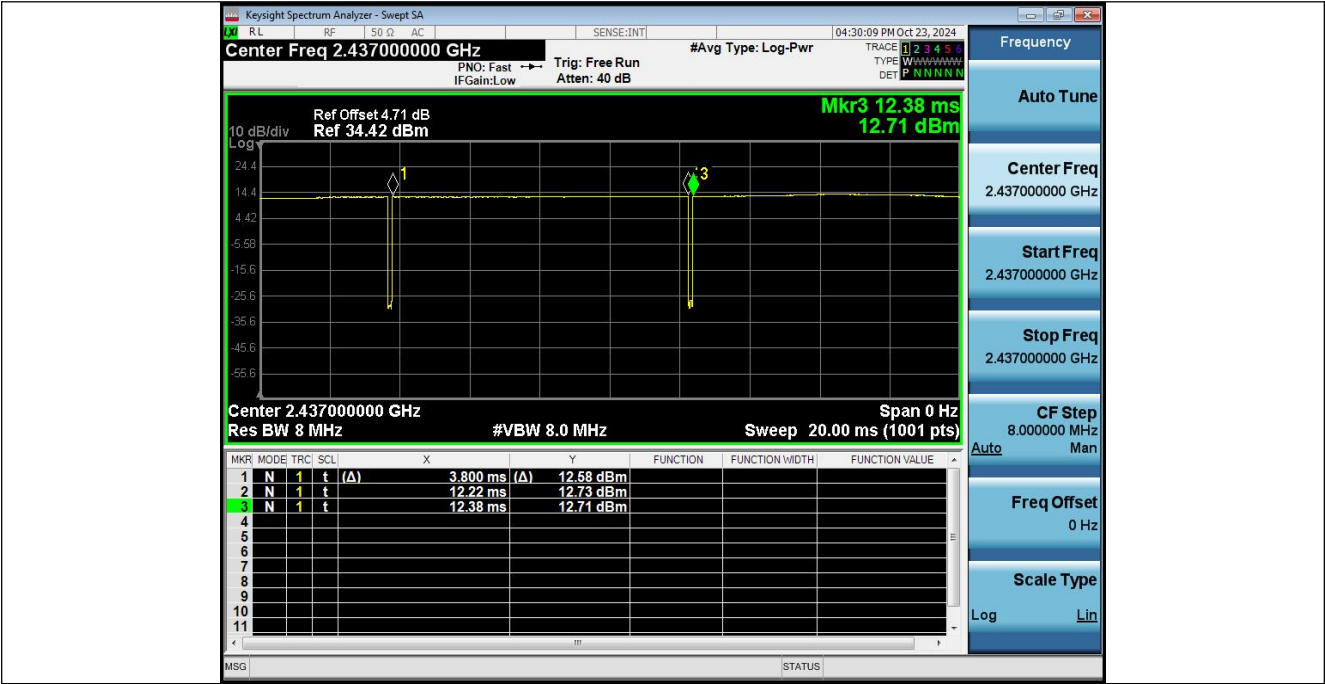


3. Duty Cycle

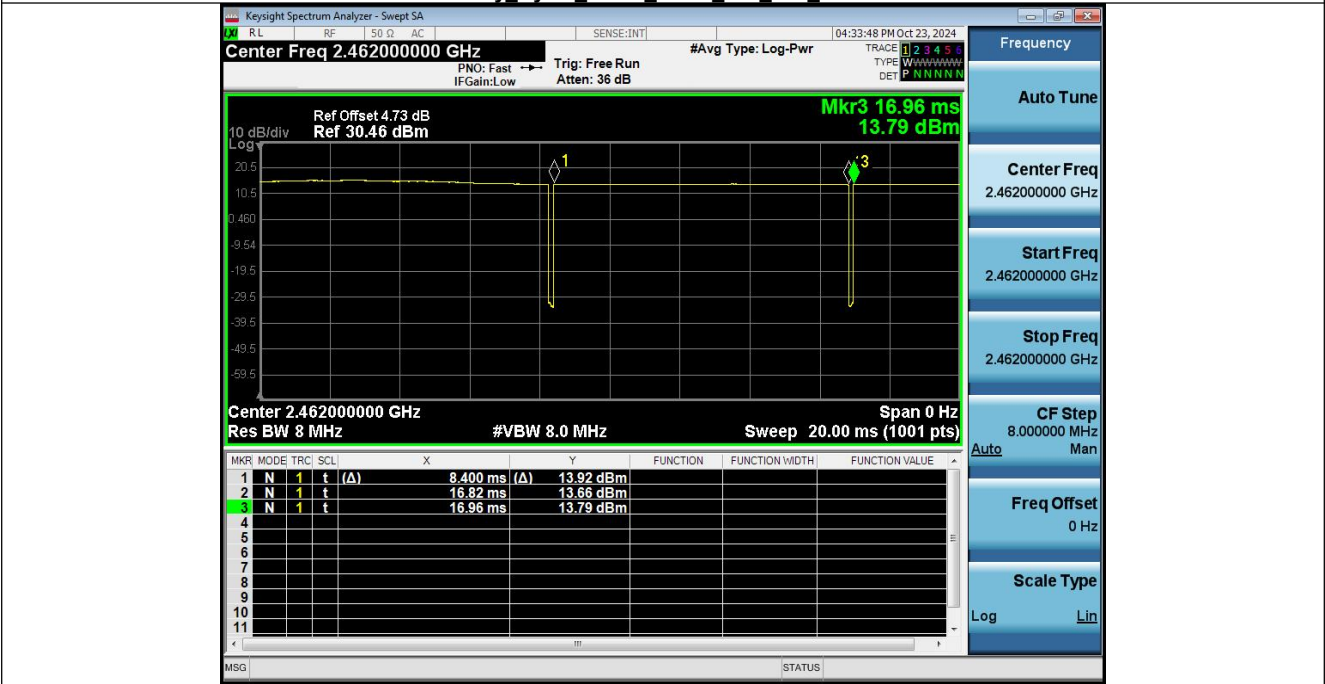
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	98.60	0.00
NVNT	ANT1	802.11b	2437.00	98.37	0.00
NVNT	ANT1	802.11b	2462.00	98.60	0.00
NVNT	ANT1	802.11g	2412.00	91.03	0.41
NVNT	ANT1	802.11g	2437.00	92.21	0.35
NVNT	ANT1	802.11g	2462.00	92.21	0.35
NVNT	ANT1	802.11n(HT20)	2412.00	89.55	0.48
NVNT	ANT1	802.11n(HT20)	2437.00	90.91	0.41
NVNT	ANT1	802.11n(HT20)	2462.00	88.06	0.55
NVNT	ANT1	802.11n(HT40)	2422.00	83.78	0.77
NVNT	ANT1	802.11n(HT40)	2437.00	81.08	0.91
NVNT	ANT1	802.11n(HT40)	2452.00	83.78	0.77



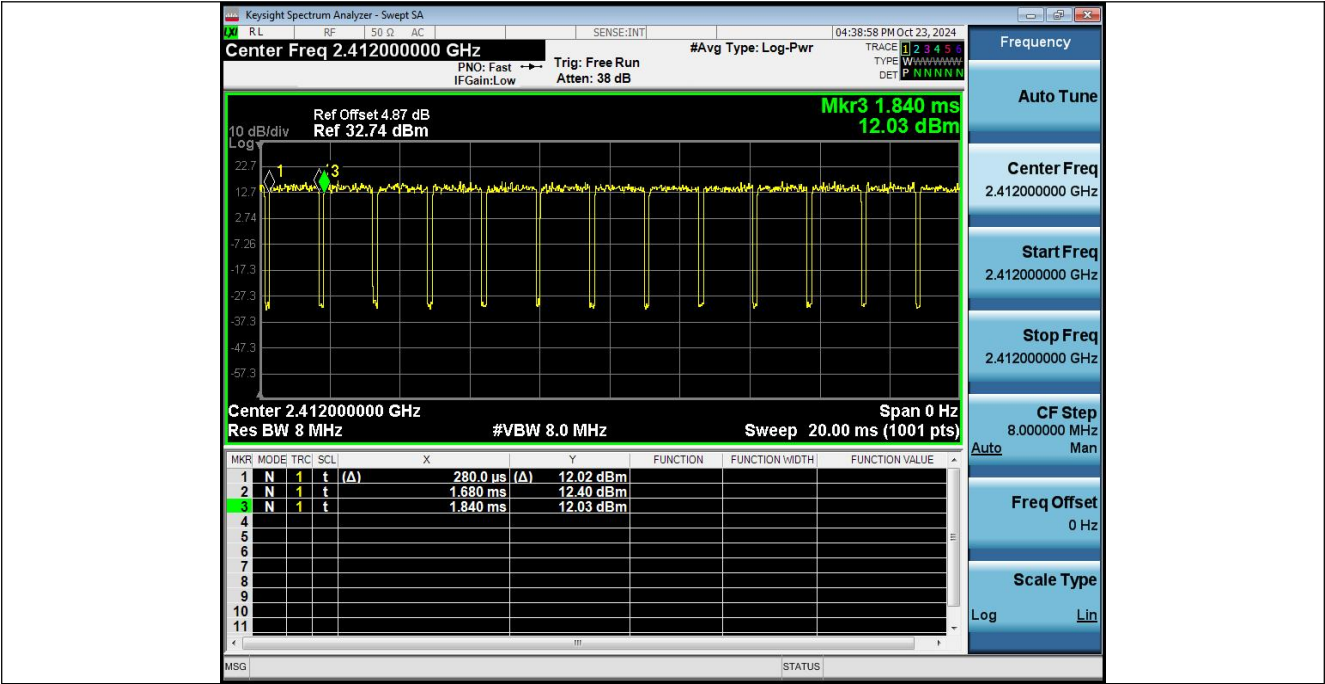
Duty Cycle NVNT ANT1 802 11b 2437



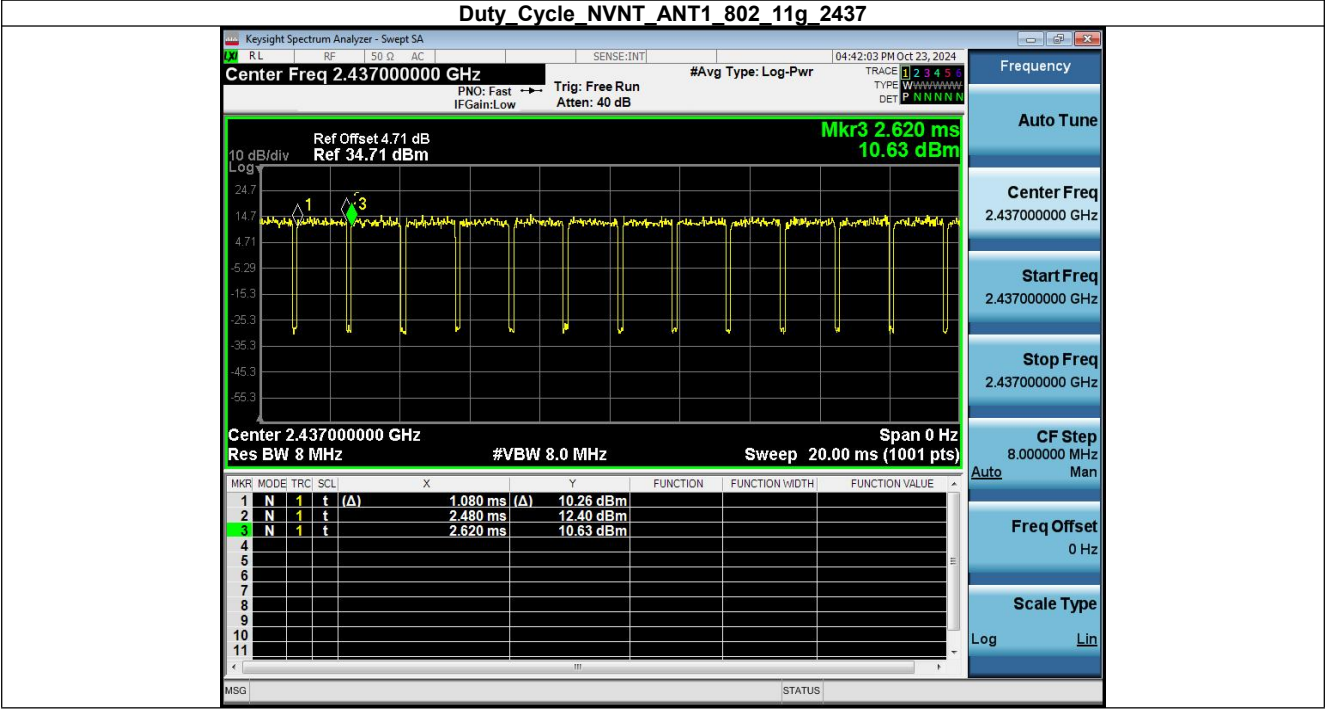
Duty_Cycle_NVNT_ANT1_802_11b_2462



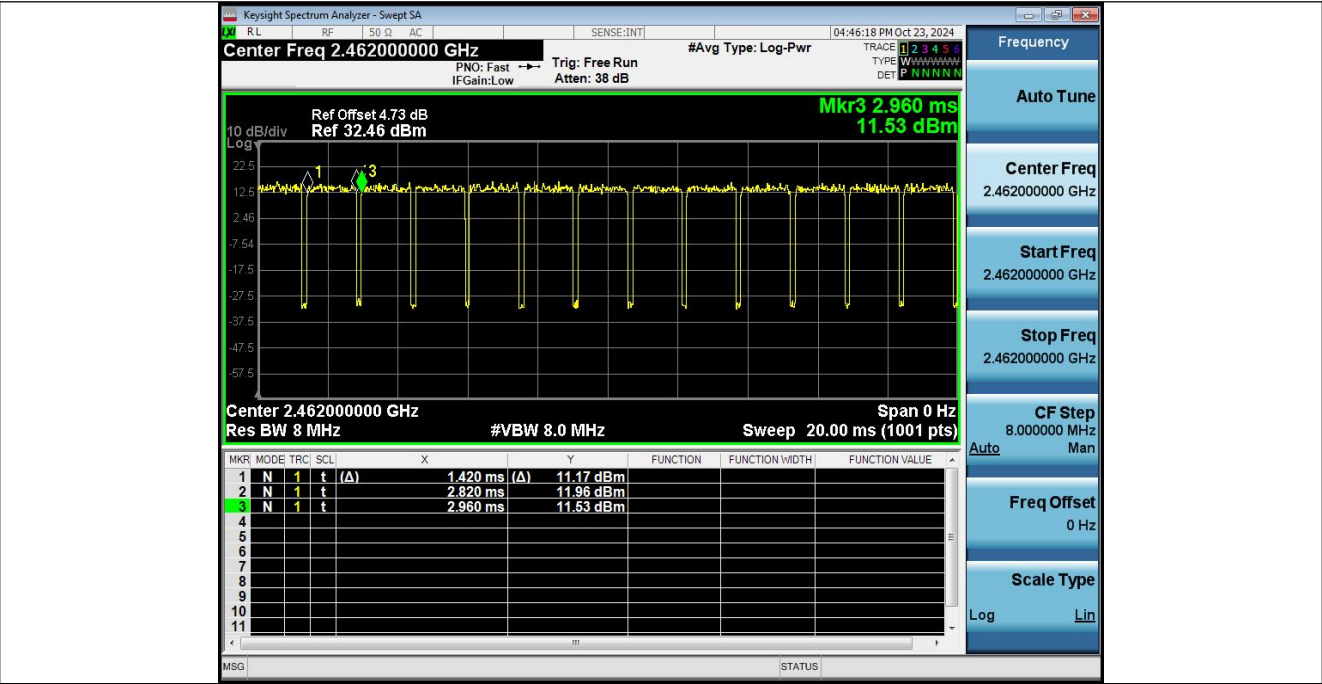
Duty_Cycle_NVNT_ANT1_802_11g_2412



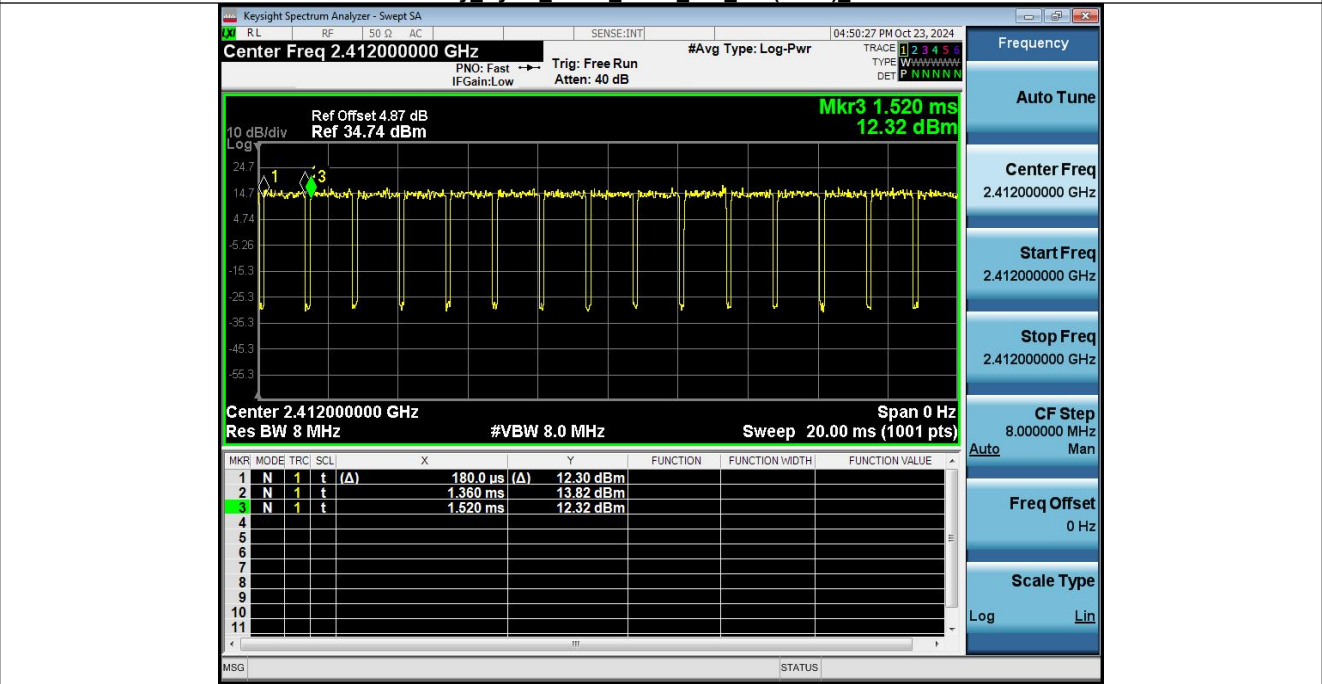
Duty_Cycle_NVNT_ANT1_802_11g_2437



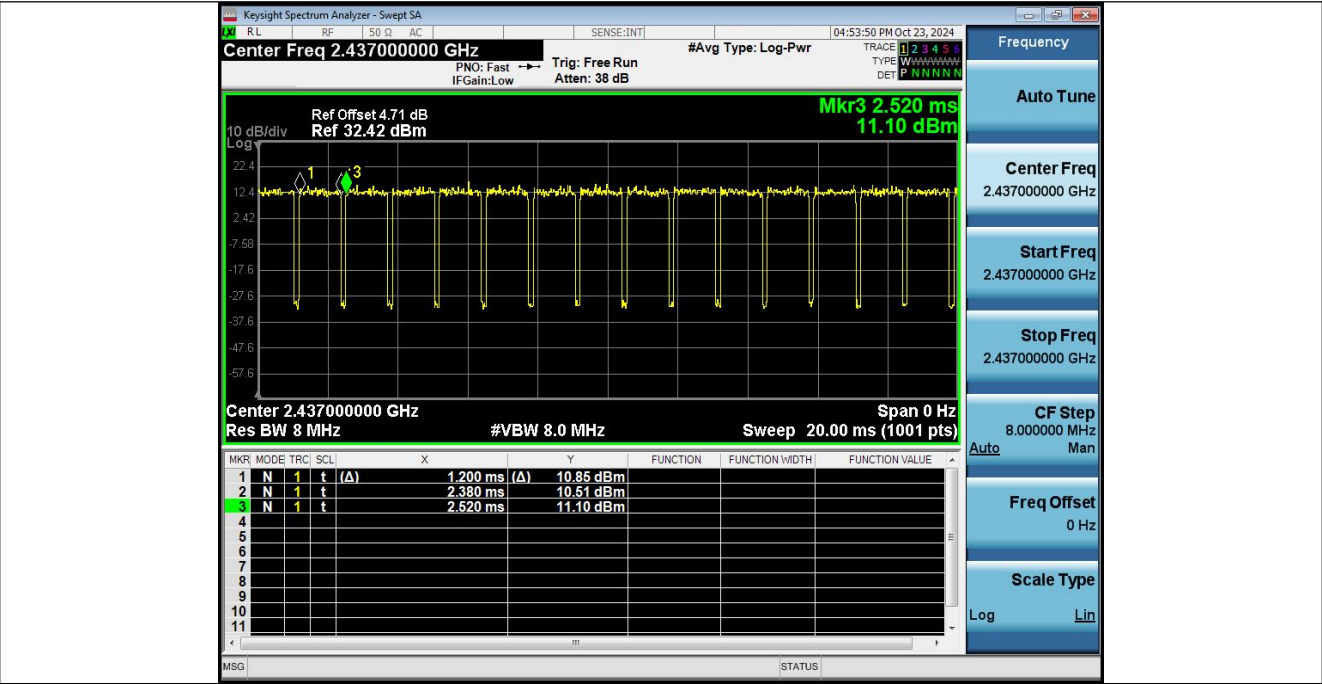
Duty_Cycle_NVNT_ANT1_802_11g_2462



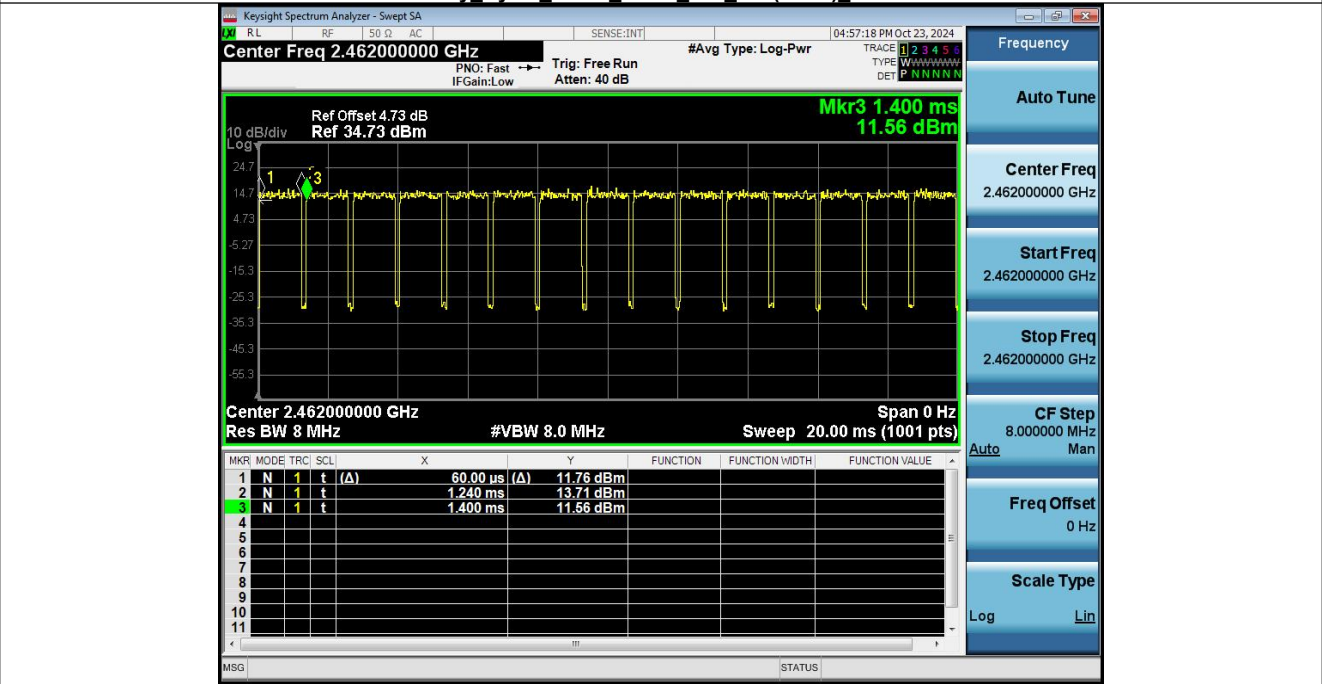
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



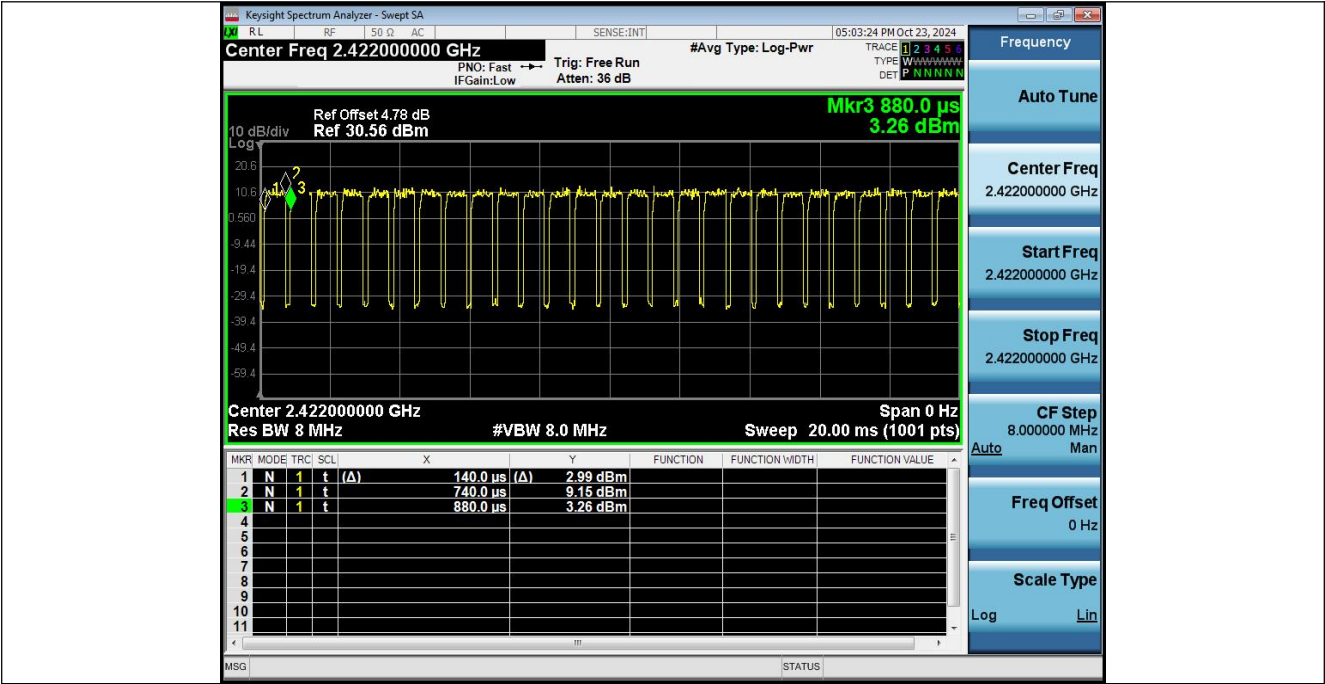
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



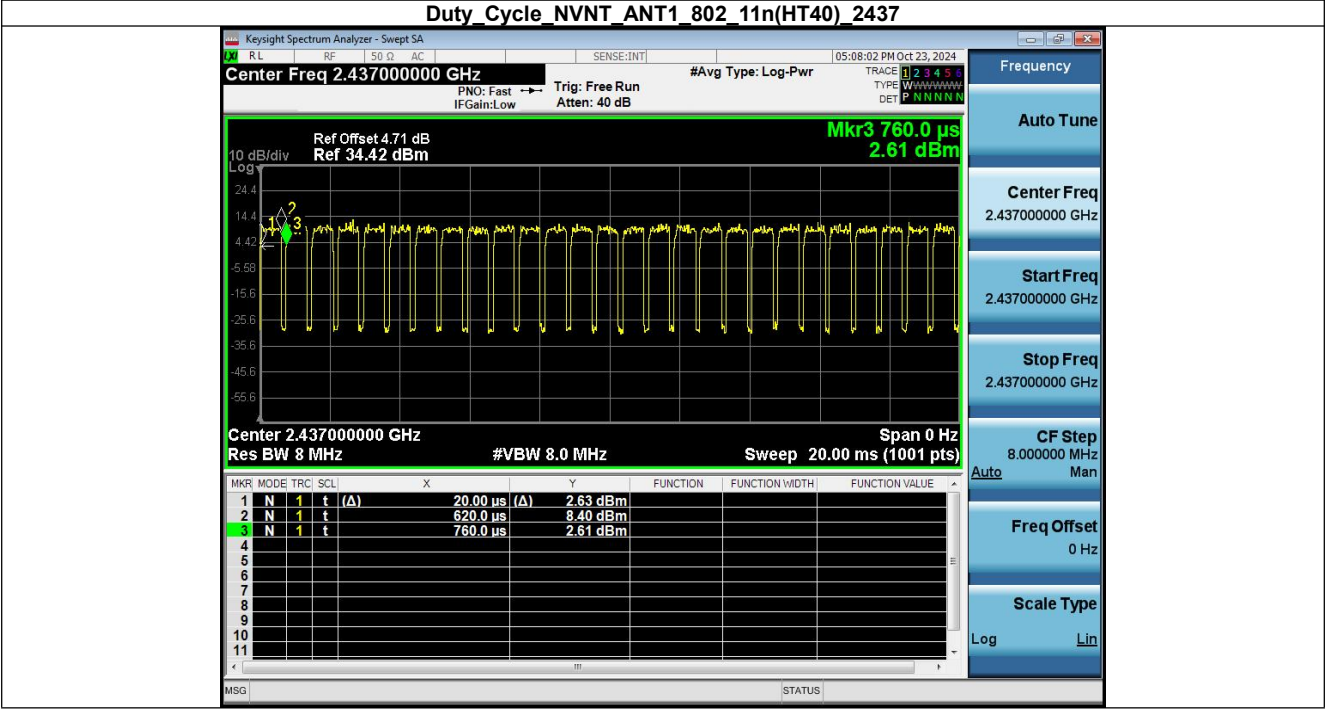
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



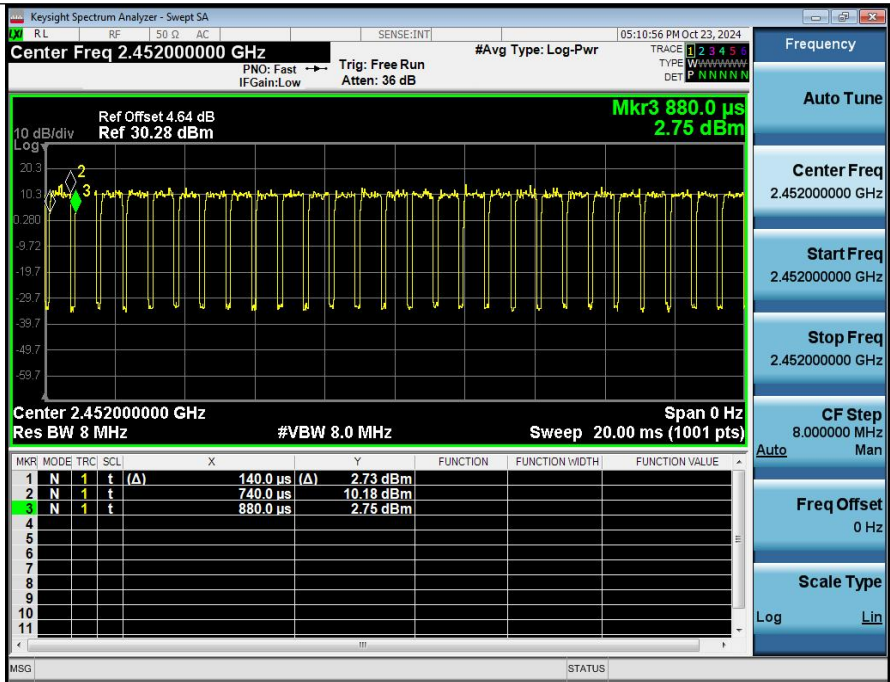
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2422



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2437



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2452



4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	8.96	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	7.67	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	9.25	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	8.71	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	7.46	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	9.01	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	8.32	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	7.01	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	7.85	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	7.05	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	6.67	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	7.45	30	Pass

5. Power Spectral Density

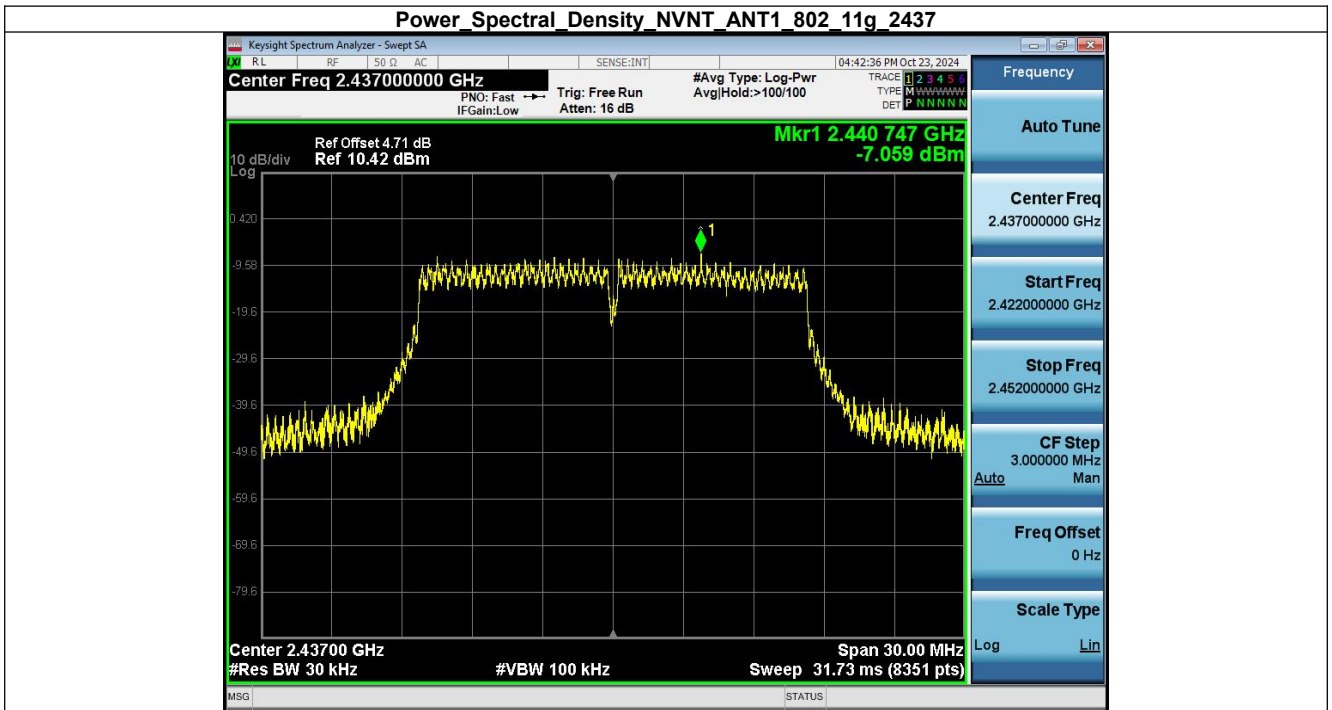
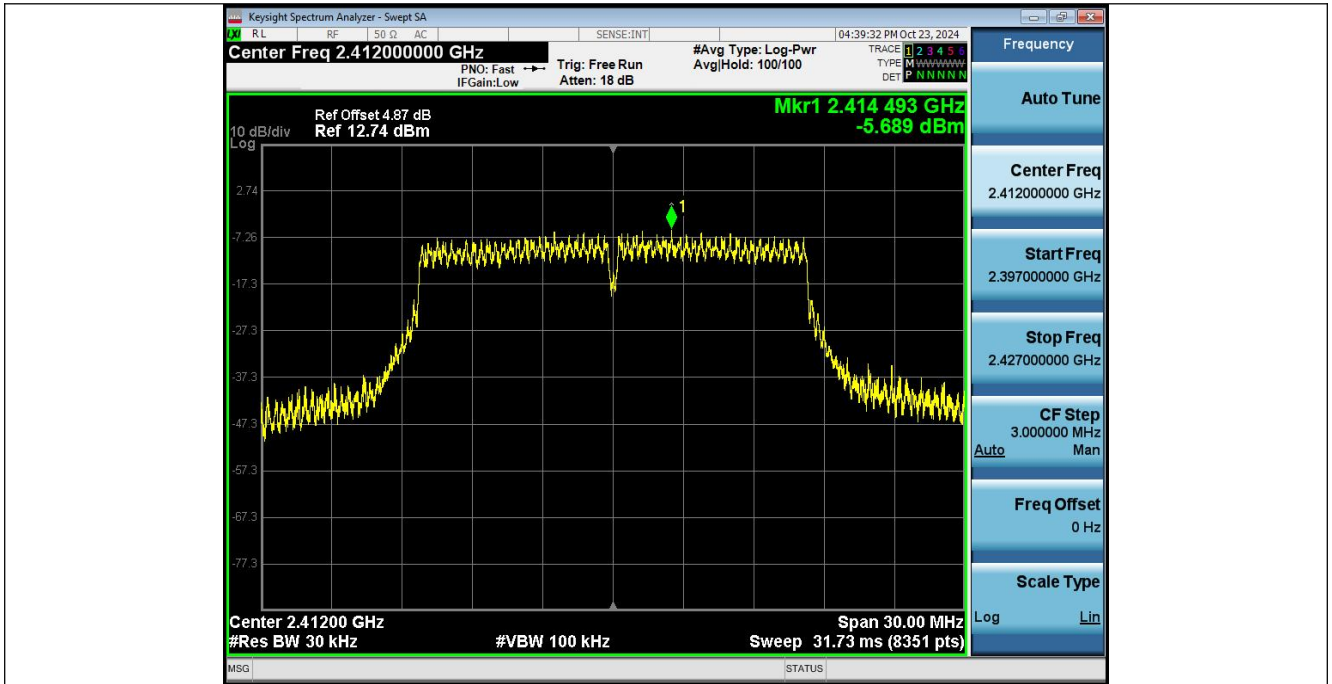
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-2.15	-10.00	-12.15	8	Pass
NVNT	ANT1	802.11b	2437.00	-3.44	-10.00	-13.44	8	Pass
NVNT	ANT1	802.11b	2462.00	-2.04	-10.00	-12.04	8	Pass
NVNT	ANT1	802.11g	2412.00	-5.69	-10.00	-15.69	8	Pass
NVNT	ANT1	802.11g	2437.00	-7.06	-10.00	-17.06	8	Pass
NVNT	ANT1	802.11g	2462.00	-6.07	-10.00	-16.07	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-5.45	-10.00	-15.45	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-7.78	-10.00	-17.78	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-5.97	-10.00	-15.97	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-10.08	-10.00	-20.08	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-10.03	-10.00	-20.03	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-9.61	-10.00	-19.61	8	Pass



Power_Spectral_Density_NVNT_ANT1_802_11b_2437



Power Spectral Density NVNT ANT1_802_11g_2412



Power_Spectral_Density_NVNT_ANT1_802_11g_2462