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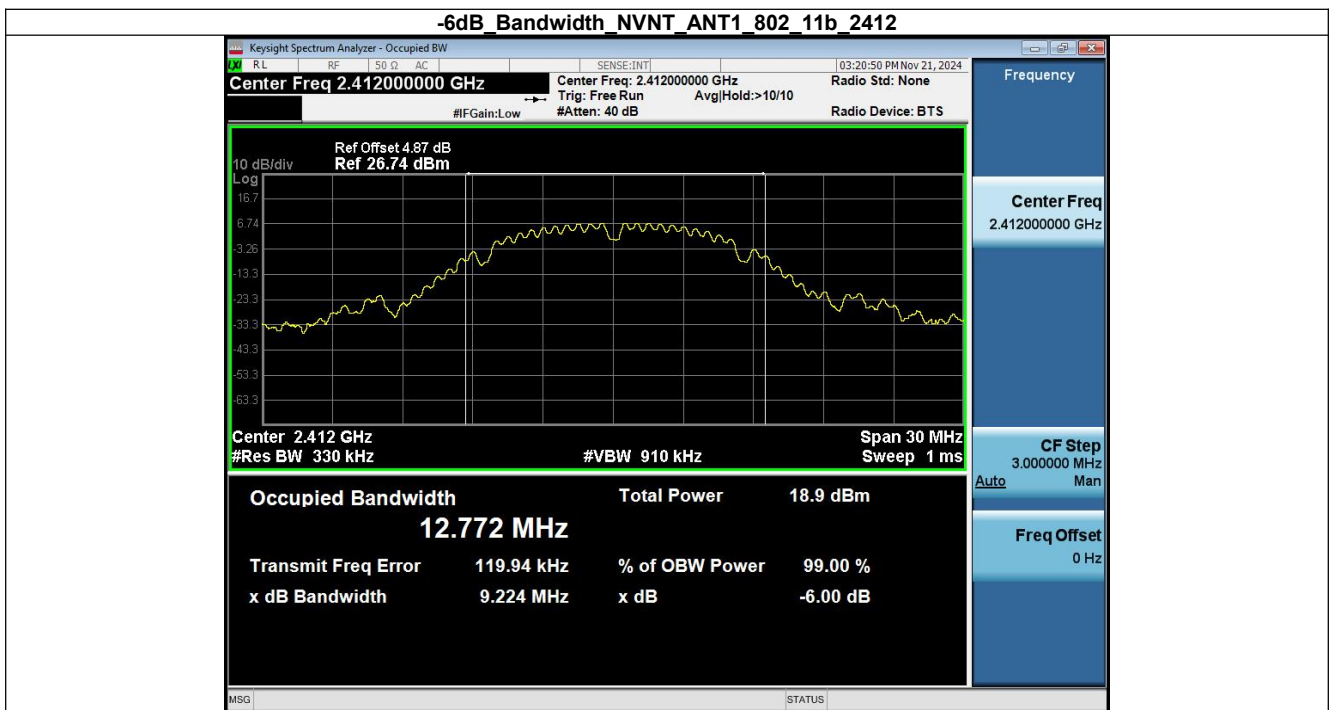
7. Spurious Emission 29

FCC ID WIFI2.4

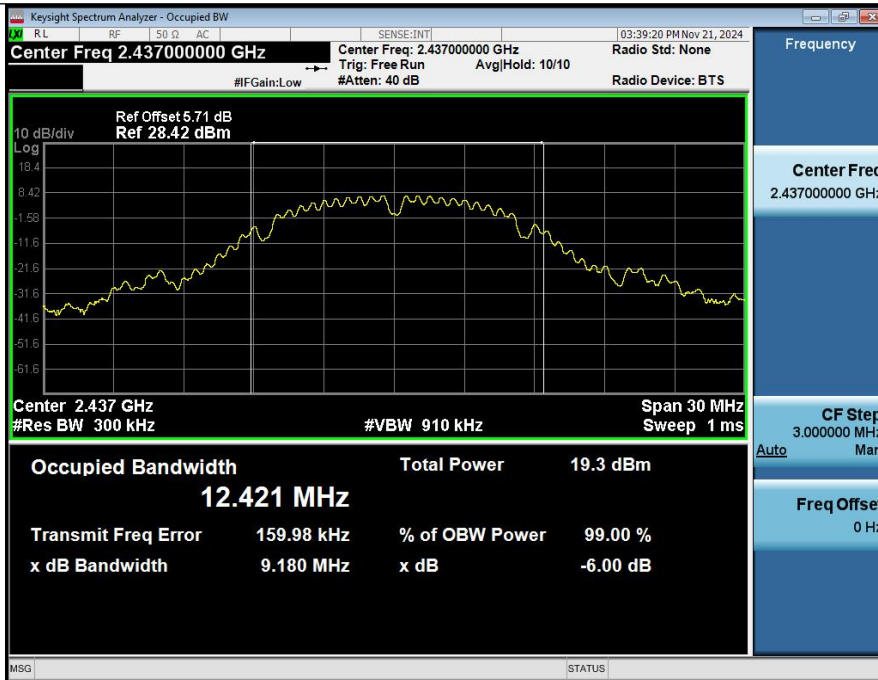
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.22	500	Pass
NVNT	ANT1	802.11b	2437.00	9.18	500	Pass
NVNT	ANT1	802.11b	2462.00	9.69	500	Pass
NVNT	ANT1	802.11g	2412.00	16.43	500	Pass
NVNT	ANT1	802.11g	2437.00	16.36	500	Pass
NVNT	ANT1	802.11g	2462.00	16.45	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.37	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.33	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.47	500	Pass



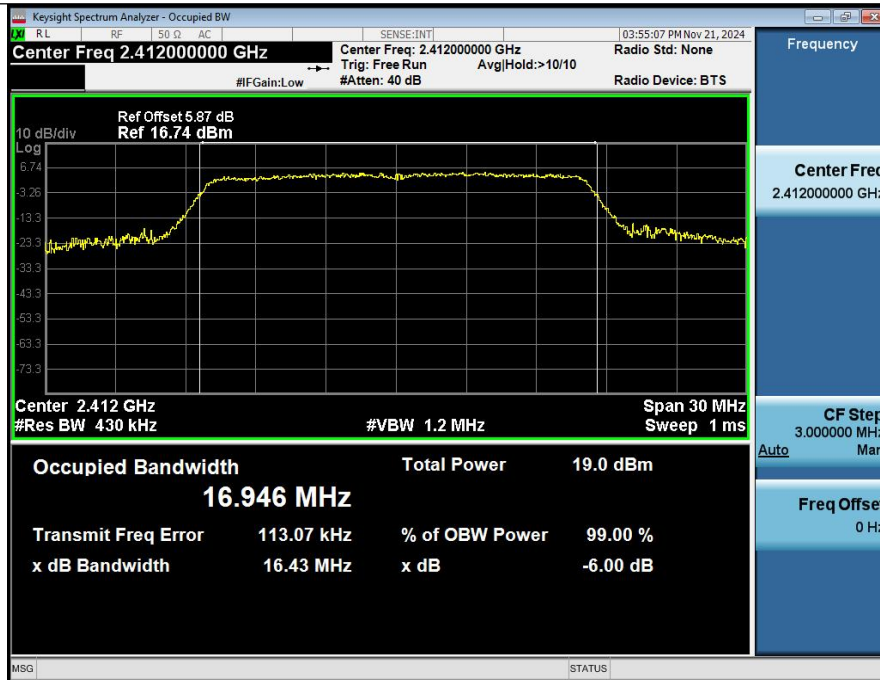
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



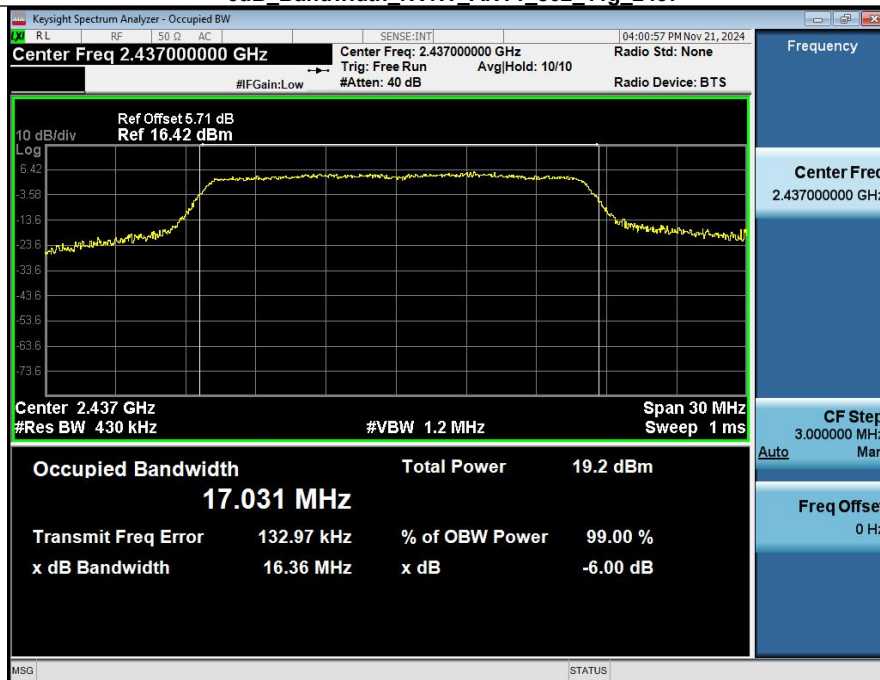
-6dB Bandwidth NVNT_ANT1_802_11b_2462



-6dB Bandwidth NVNT_ANT1_802_11g_2412



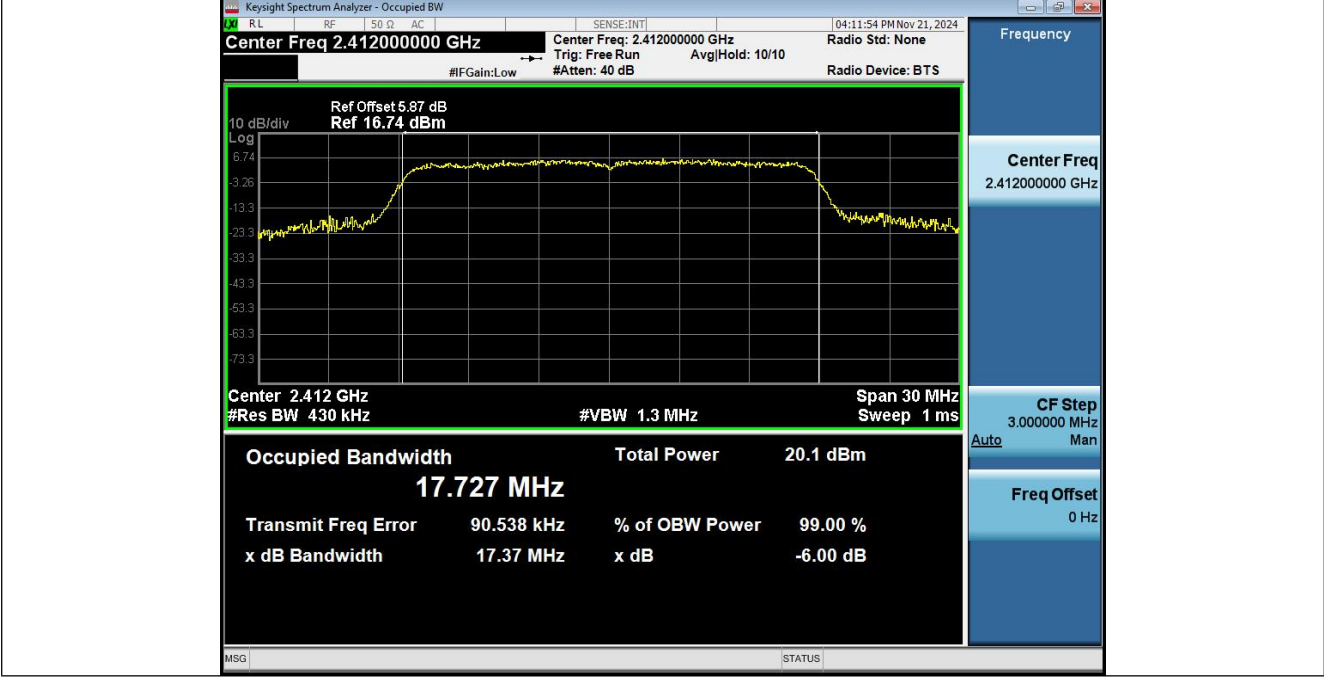
-6dB Bandwidth NVNT_ANT1_802_11g_2437



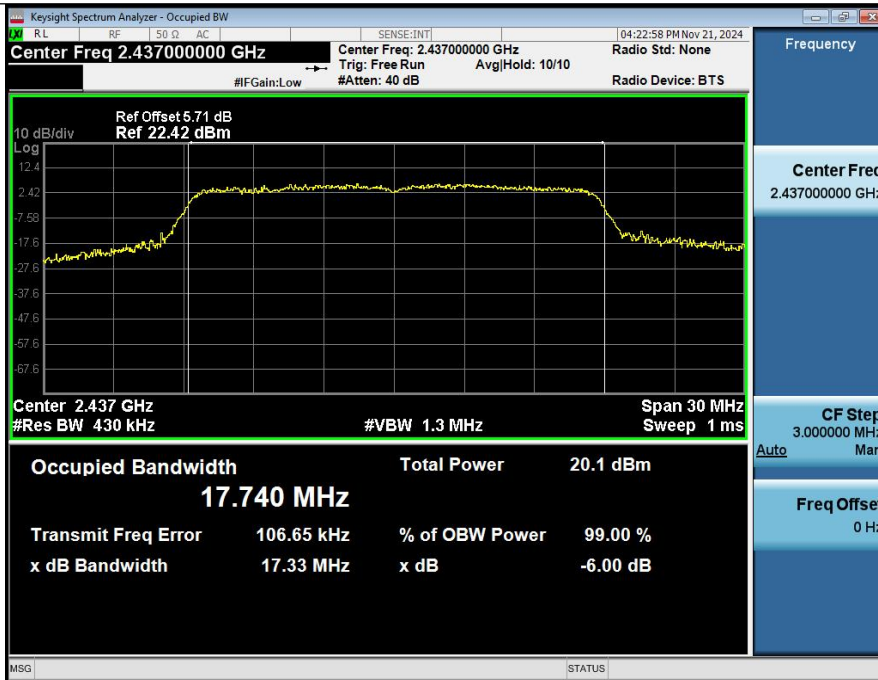
-6dB Bandwidth NVNT_ANT1_802_11g_2462



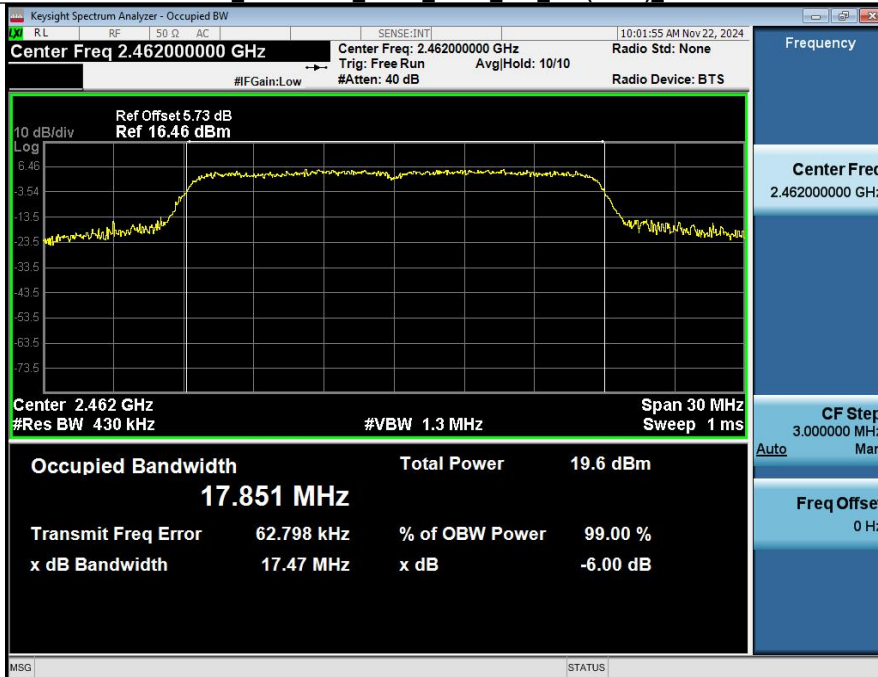
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

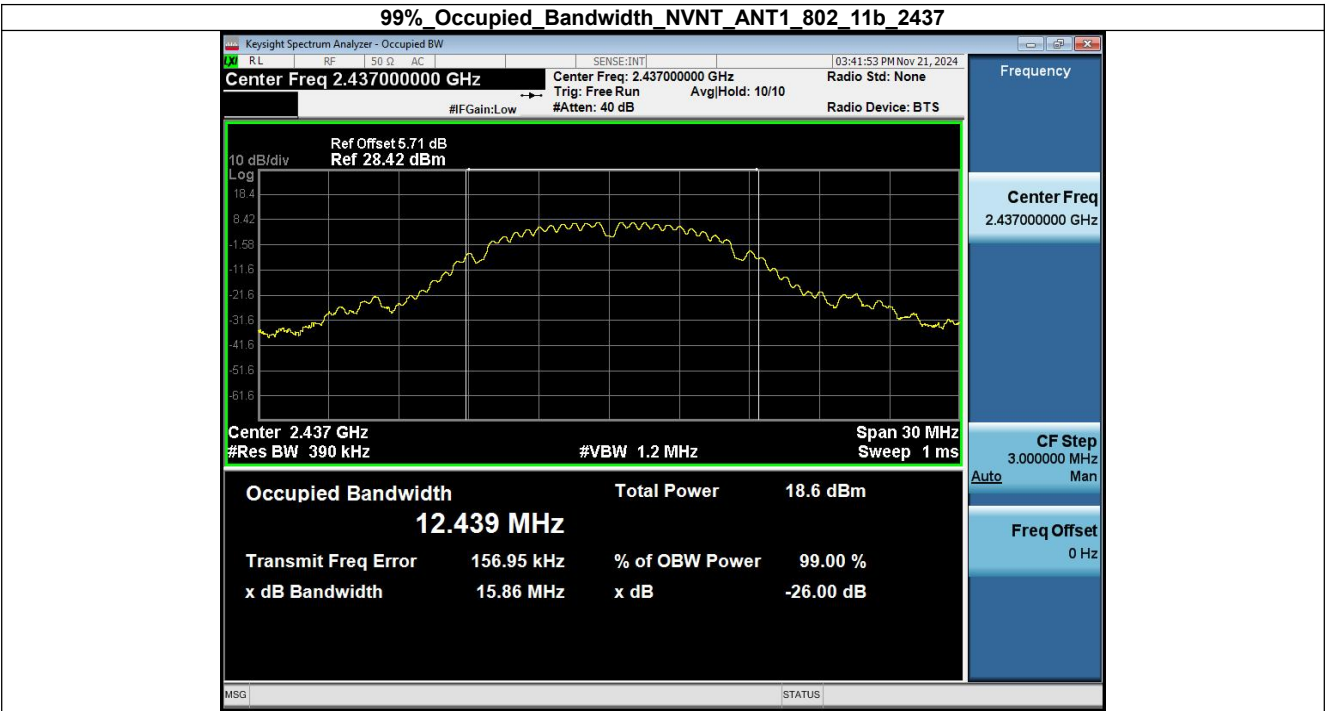
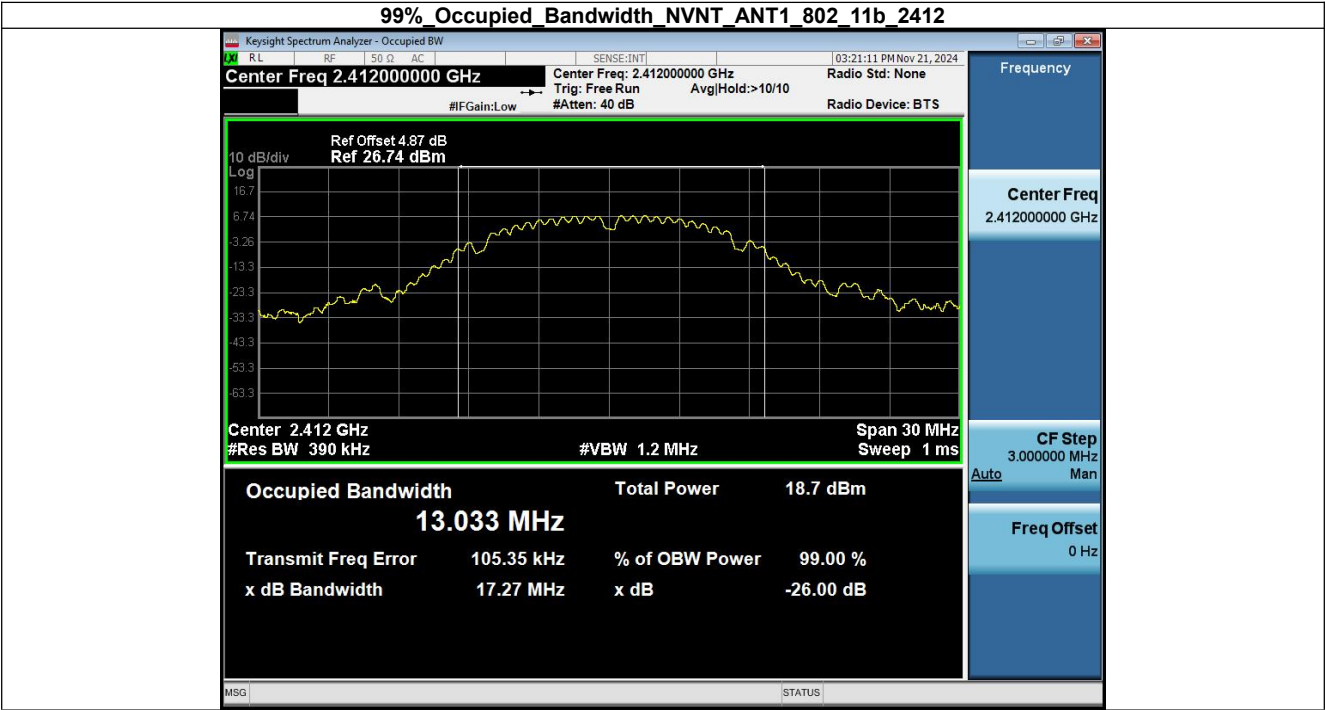


-6dB Bandwidth NVNT ANT1 802 11n(HT20) 2462



2. 99% Occupied Bandwidth

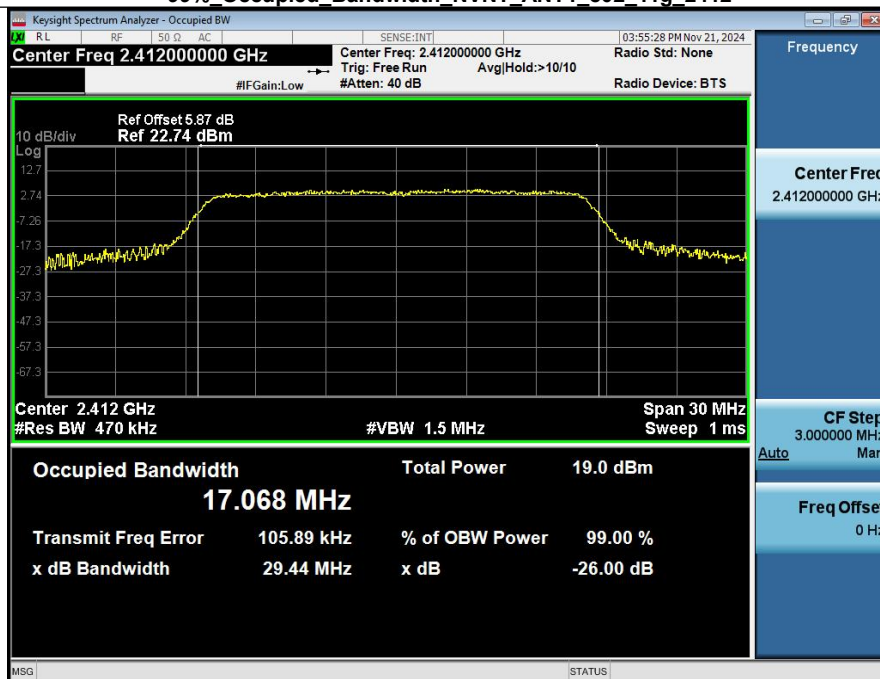
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.033
NVNT	ANT1	802.11b	2437.00	12.439
NVNT	ANT1	802.11b	2462.00	13.393
NVNT	ANT1	802.11g	2412.00	17.068
NVNT	ANT1	802.11g	2437.00	17.335
NVNT	ANT1	802.11g	2462.00	17.202
NVNT	ANT1	802.11n(HT20)	2412.00	17.821
NVNT	ANT1	802.11n(HT20)	2437.00	17.948
NVNT	ANT1	802.11n(HT20)	2462.00	17.986



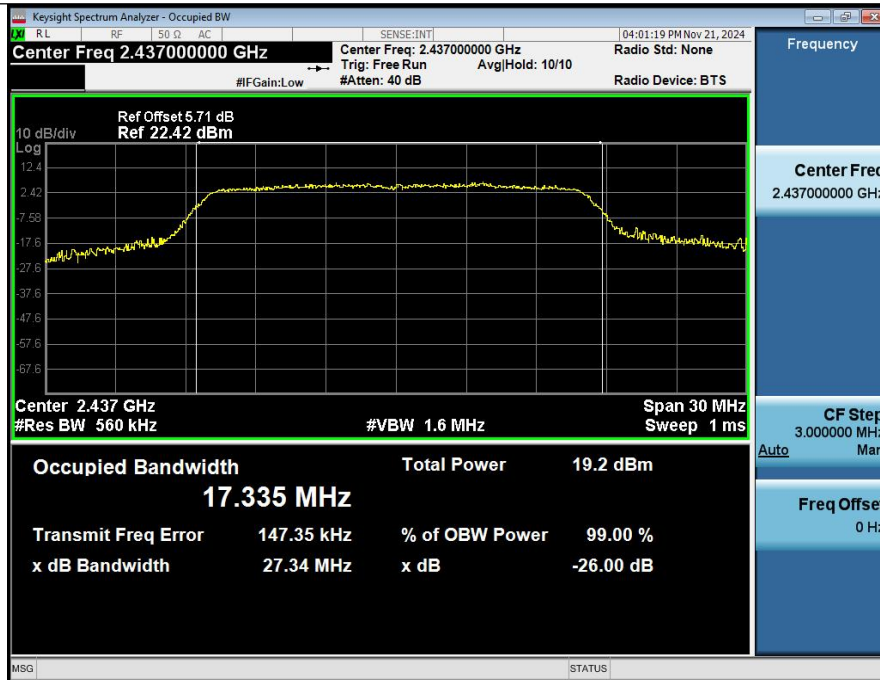
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



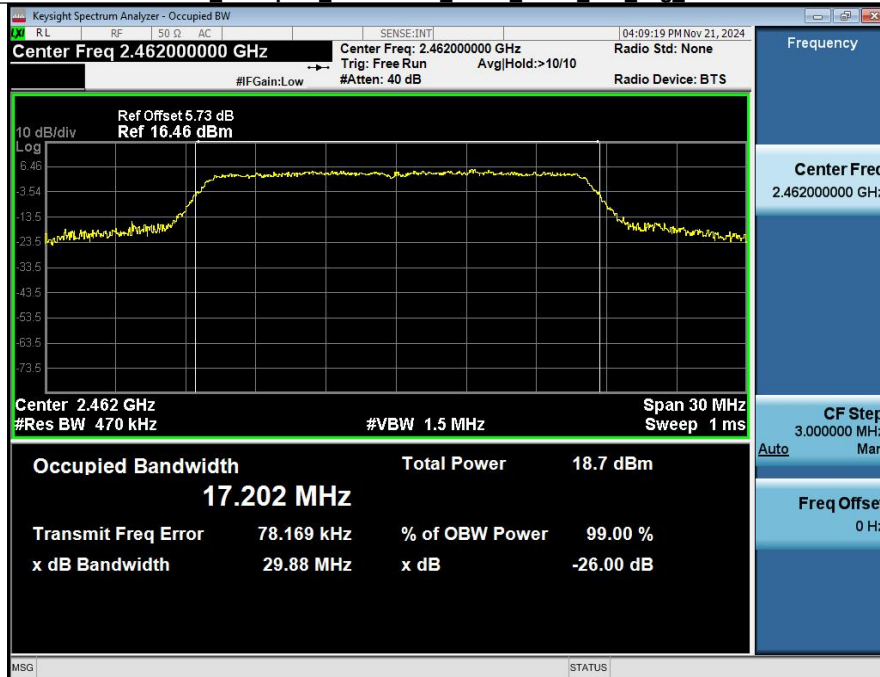
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



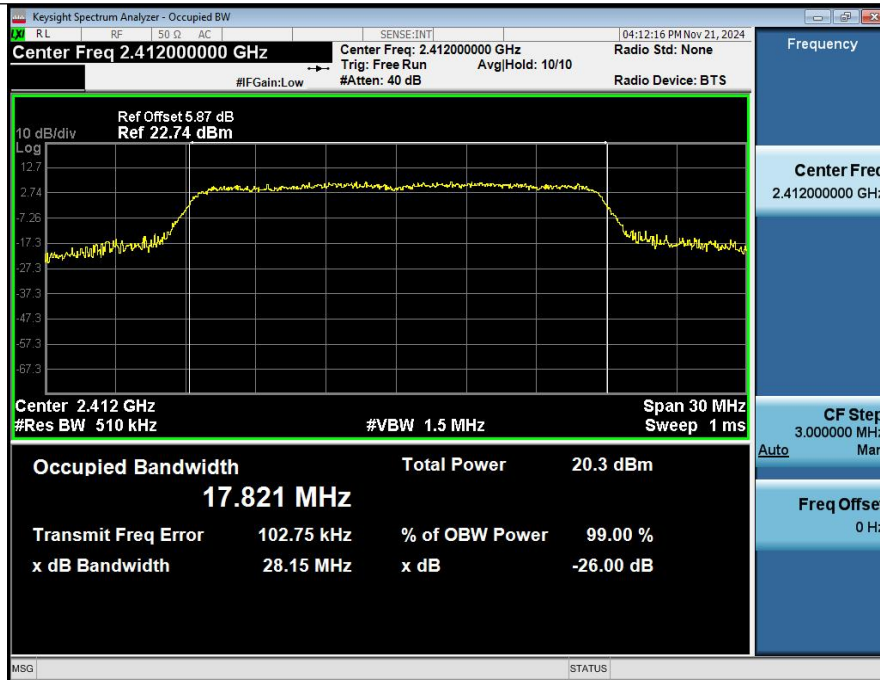
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437



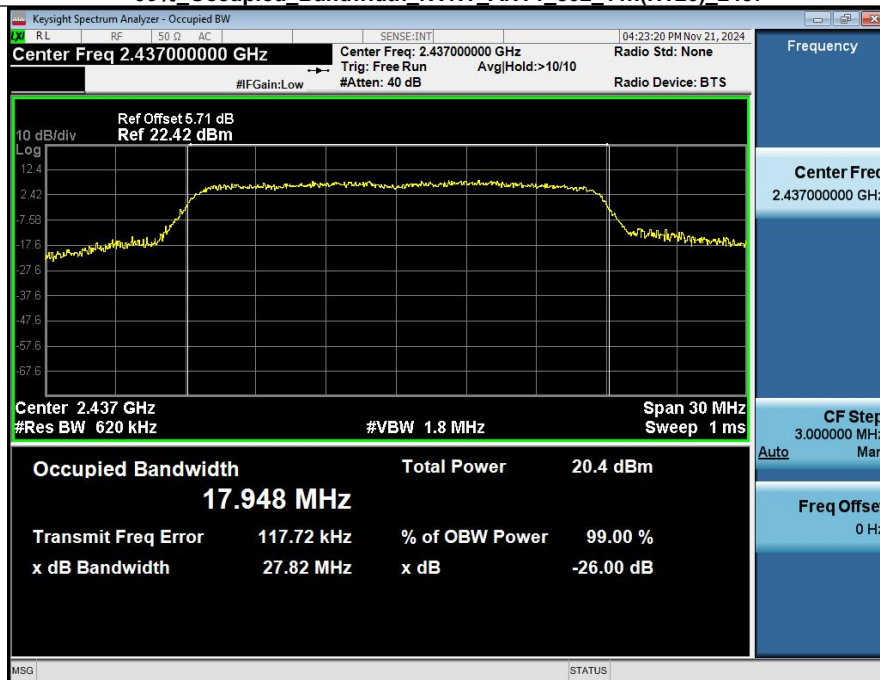
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462



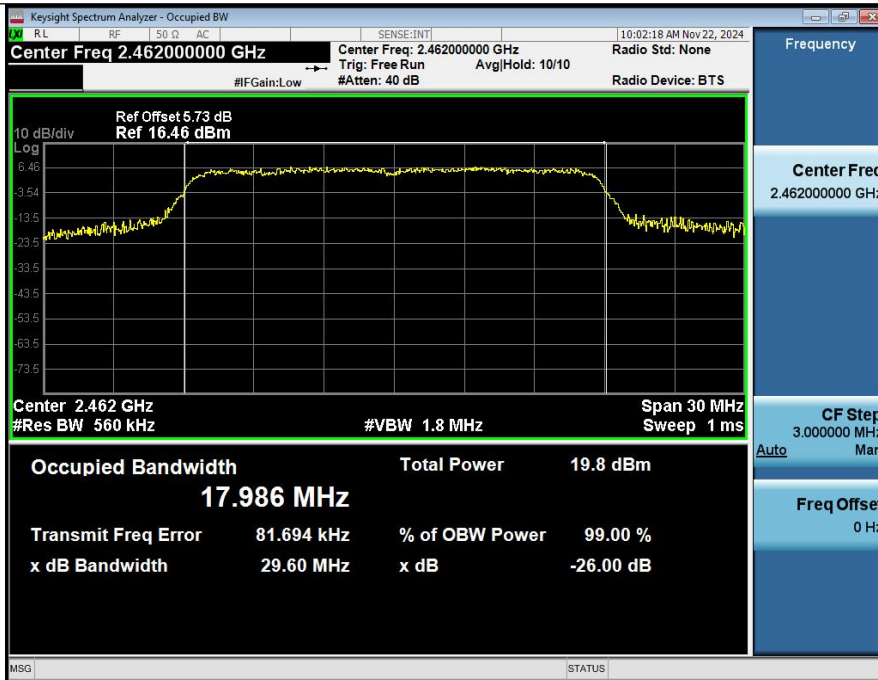
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

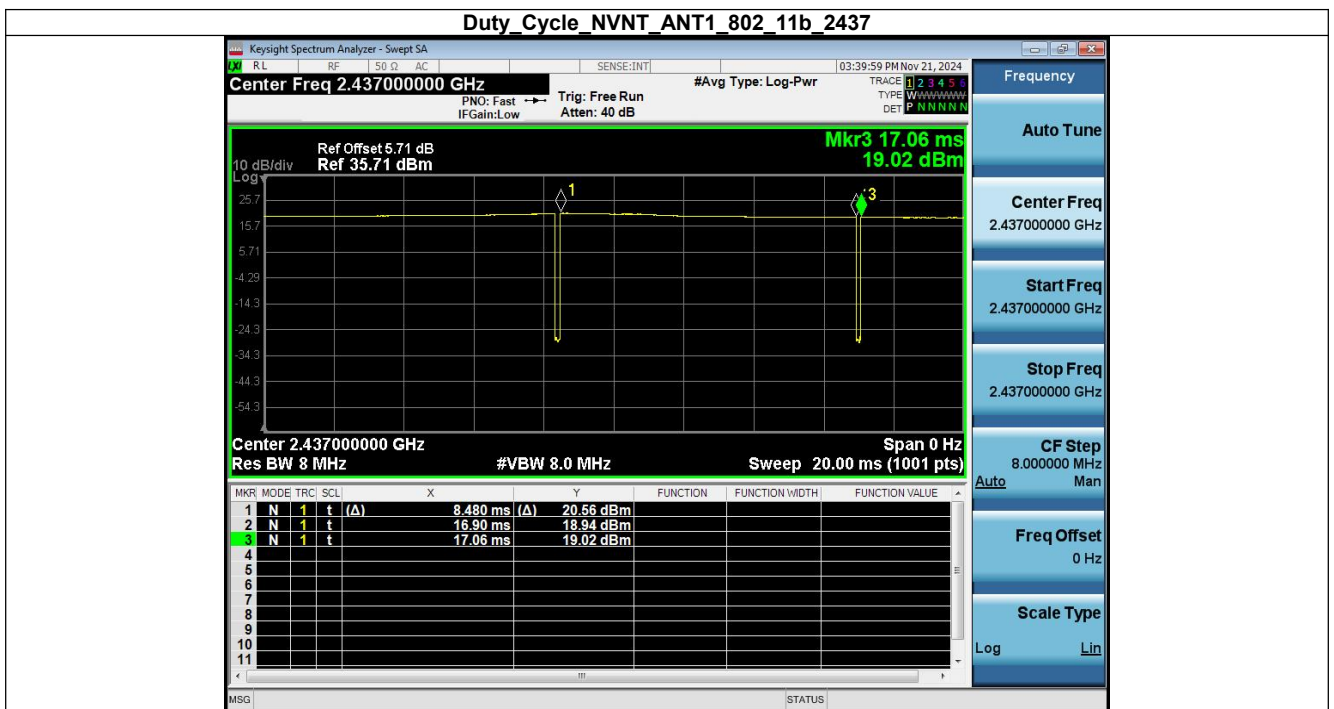
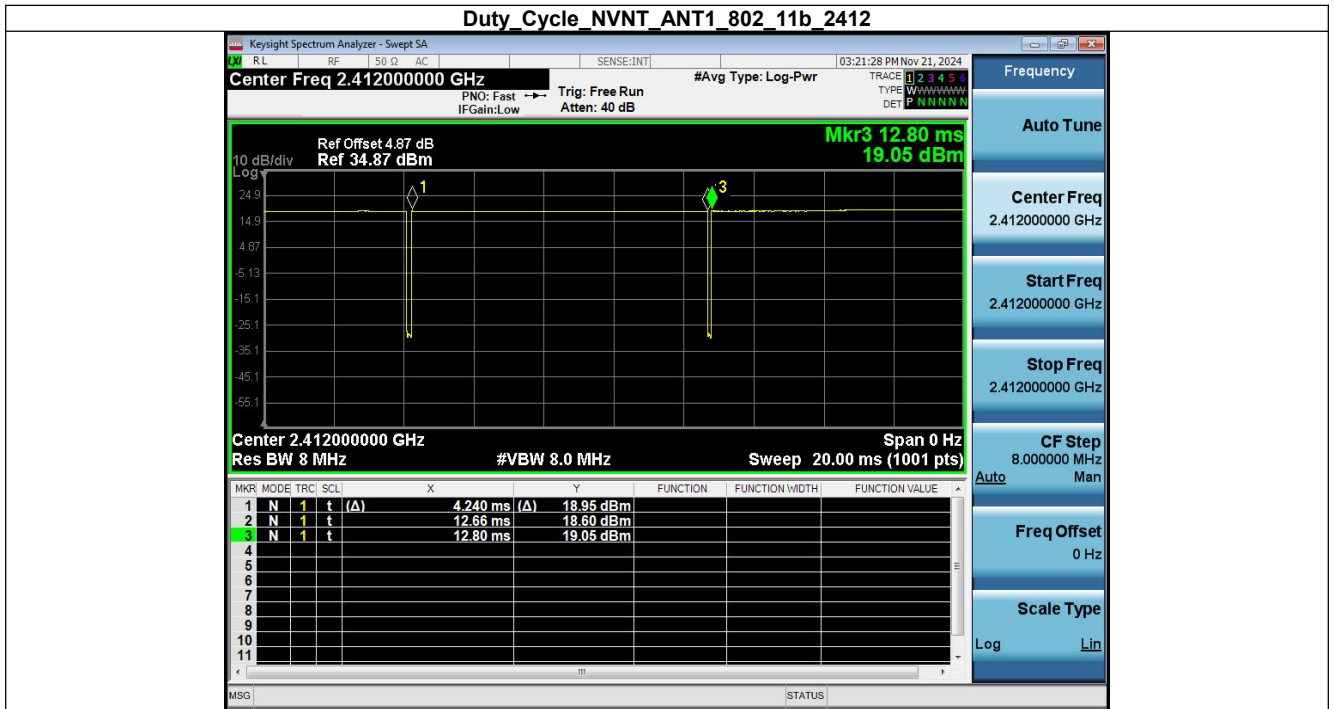


99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

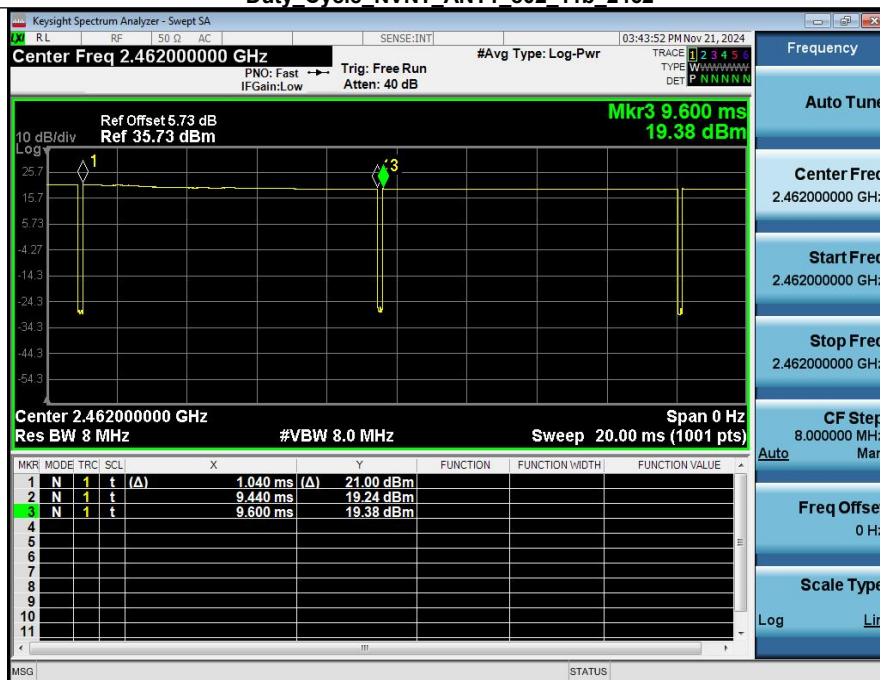


3. Duty Cycle

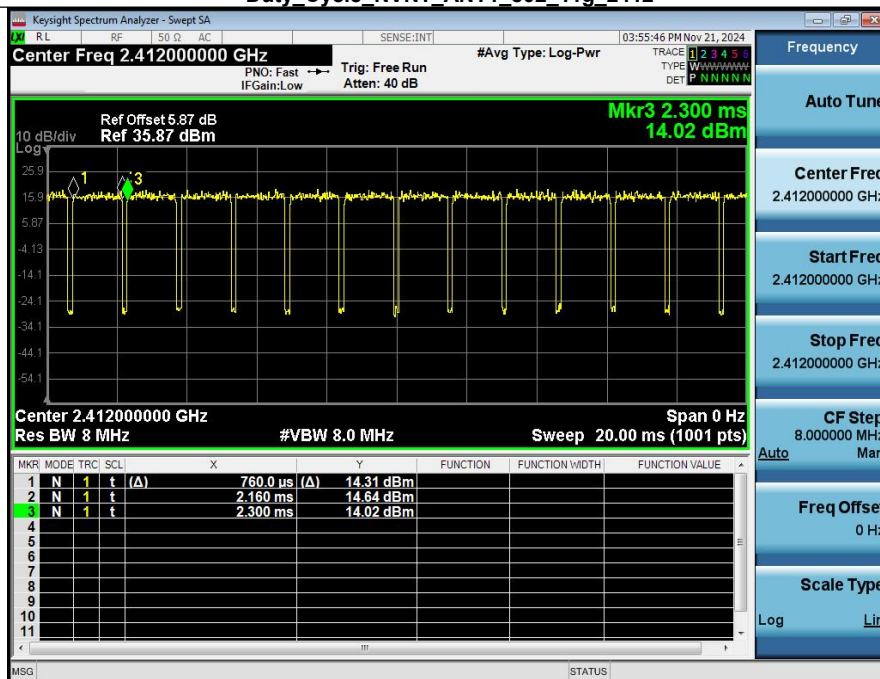
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	98.60	0.00
NVNT	ANT1	802.11b	2437.00	98.37	0.00
NVNT	ANT1	802.11b	2462.00	98.36	0.00
NVNT	ANT1	802.11g	2412.00	92.21	0.35
NVNT	ANT1	802.11g	2437.00	91.03	0.41
NVNT	ANT1	802.11g	2462.00	92.21	0.35
NVNT	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	89.55	0.48



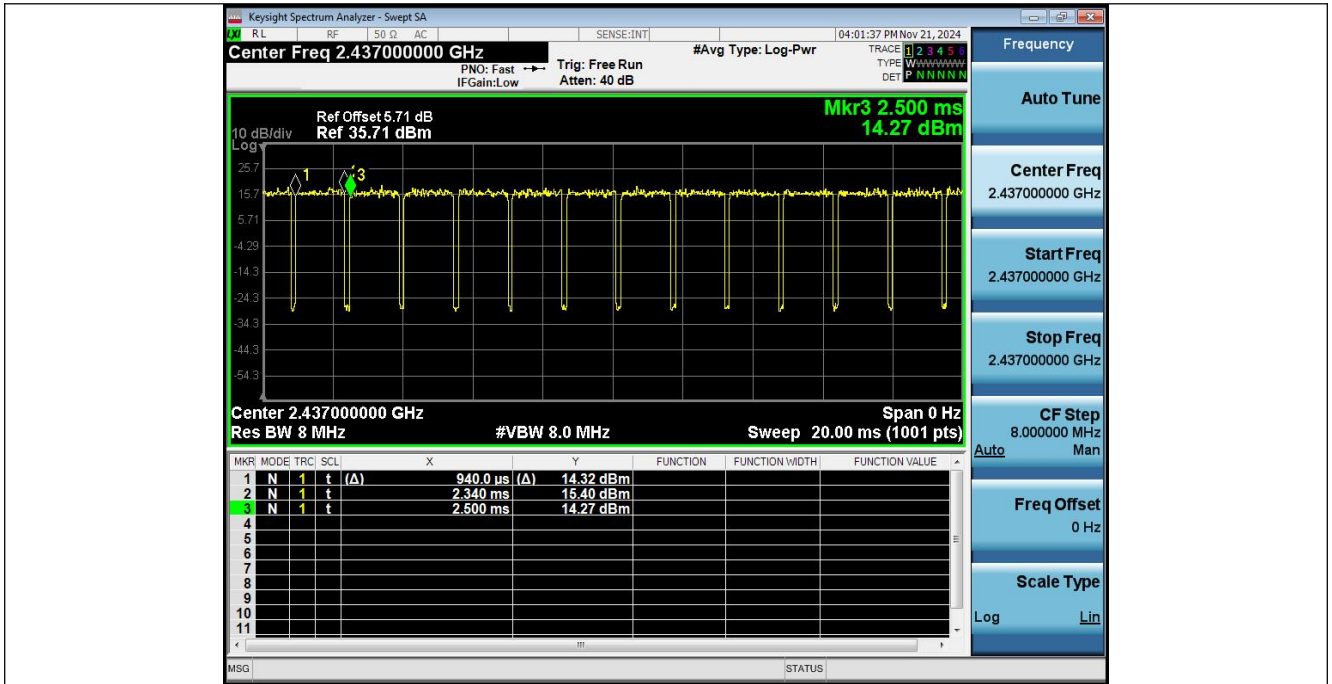
Duty Cycle NVNT_ANT1_802_11b_2462



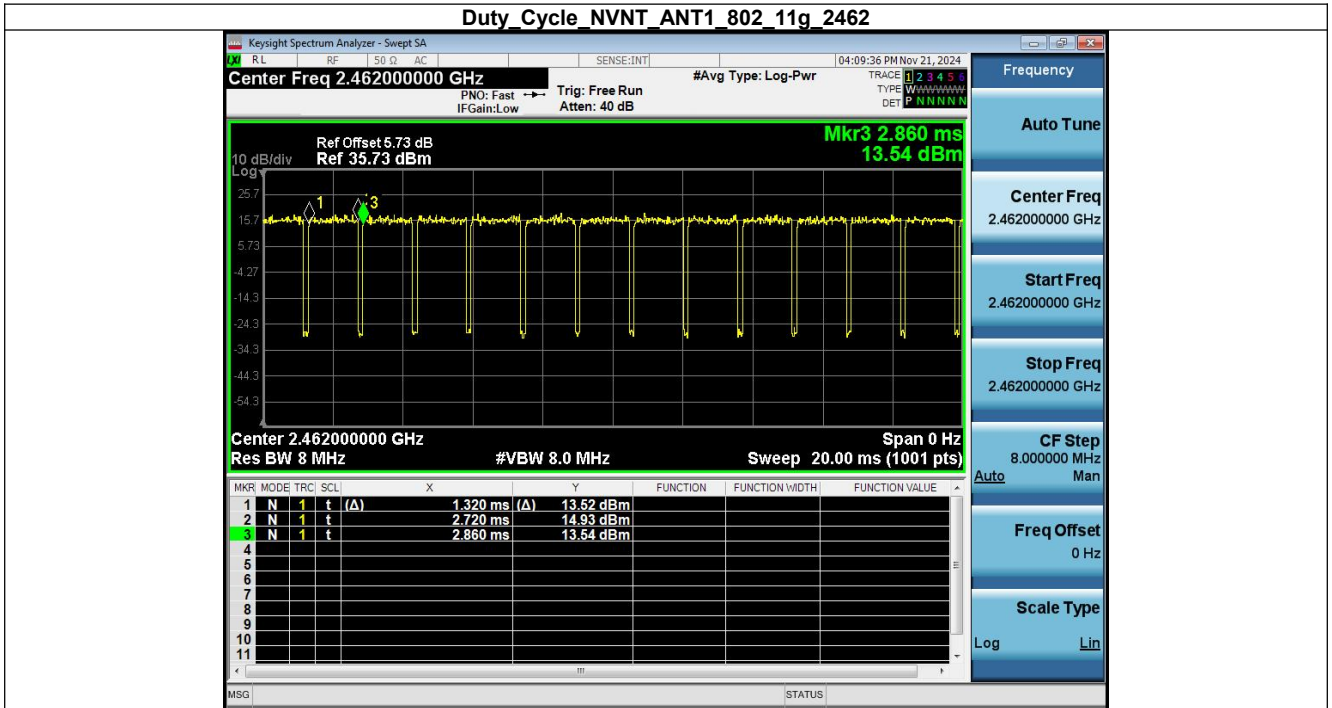
Duty Cycle NVNT_ANT1_802_11g_2412



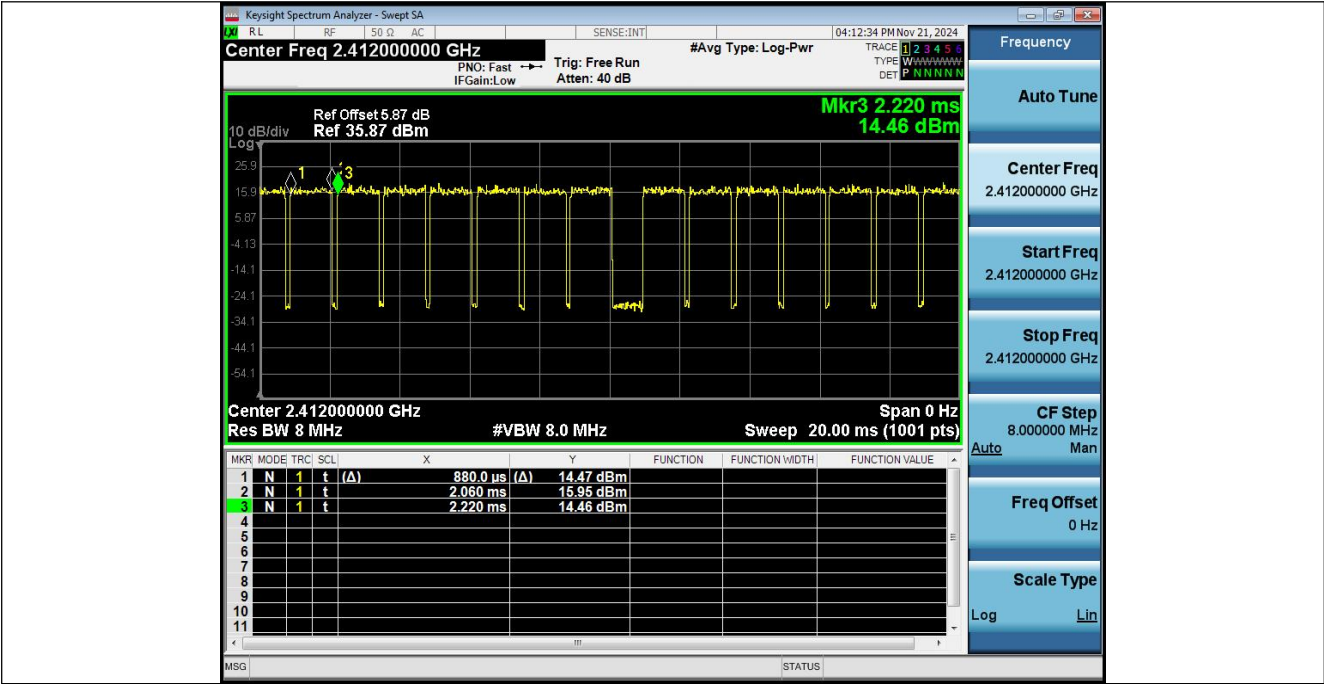
Duty Cycle NVNT_ANT1_802_11g_2437



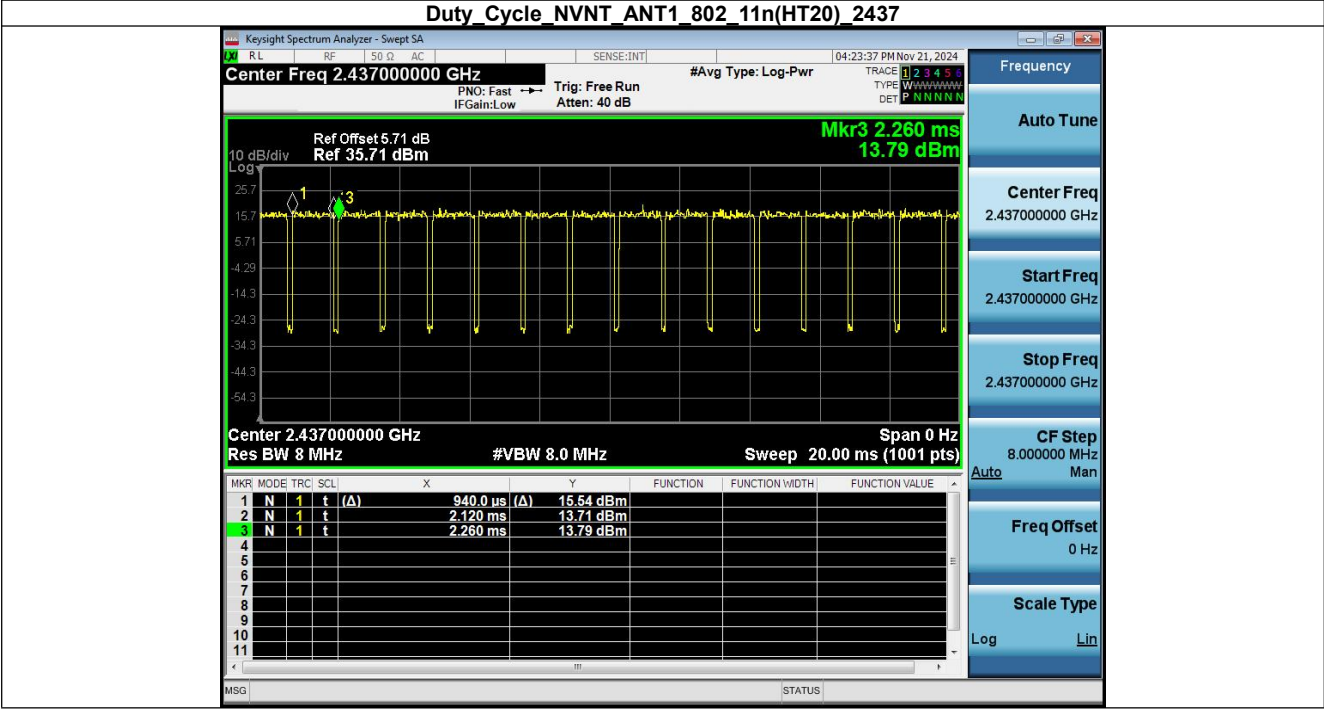
Duty_Cycle_NVNT_ANT1_802_11g_2462



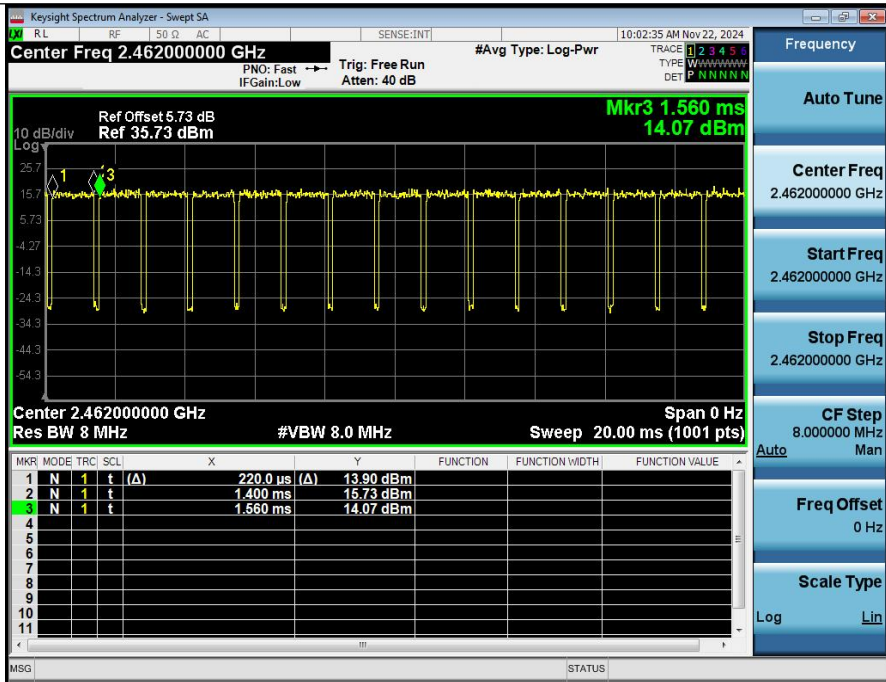
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	17.78	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	17.95	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	18.48	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	18.63	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	18.79	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	18.34	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	19.78	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	19.85	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	19.22	30	Pass

5. Power Spectral Density

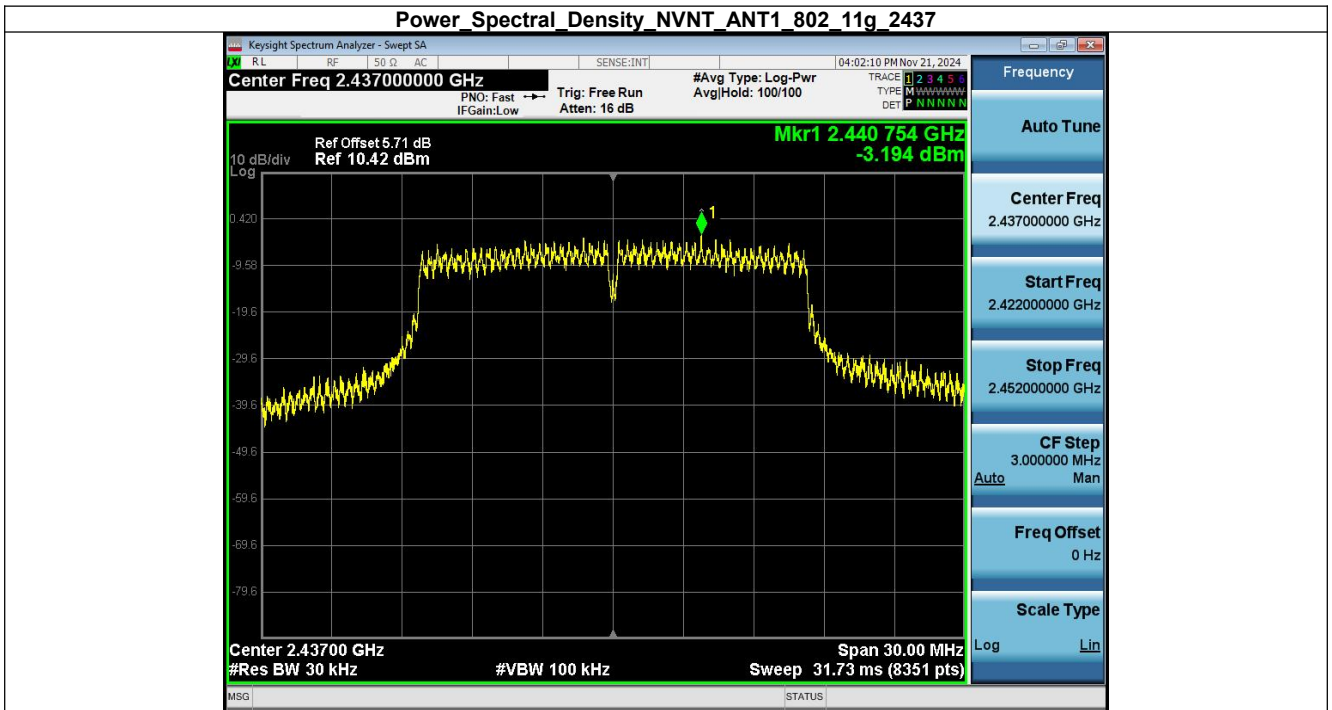
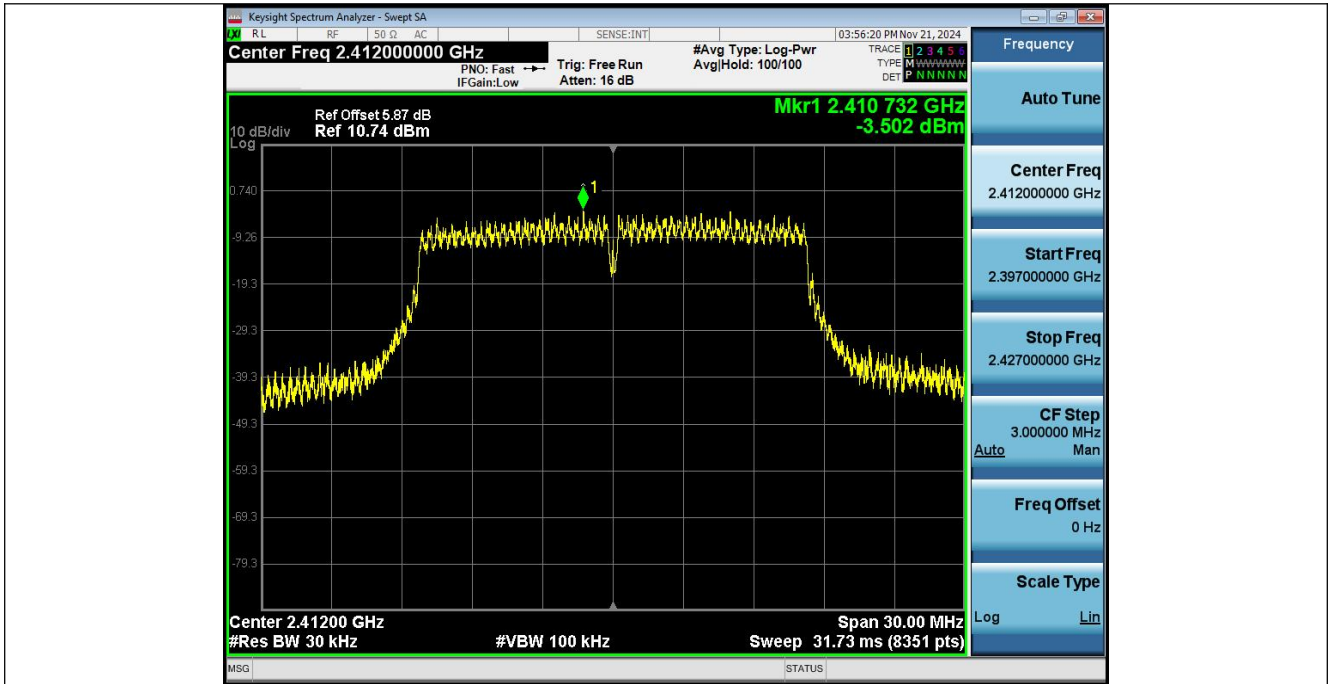
Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	3.07	-10.00	-6.93	8	Pass
NVNT	ANT1	802.11b	2437.00	2.99	-10.00	-7.01	8	Pass
NVNT	ANT1	802.11b	2462.00	3.32	-10.00	-6.68	8	Pass
NVNT	ANT1	802.11g	2412.00	-3.50	-10.00	-13.50	8	Pass
NVNT	ANT1	802.11g	2437.00	-3.19	-10.00	-13.19	8	Pass
NVNT	ANT1	802.11g	2462.00	-3.37	-10.00	-13.37	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-3.47	-10.00	-13.47	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-3.13	-10.00	-13.13	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-4.26	-10.00	-14.26	8	Pass



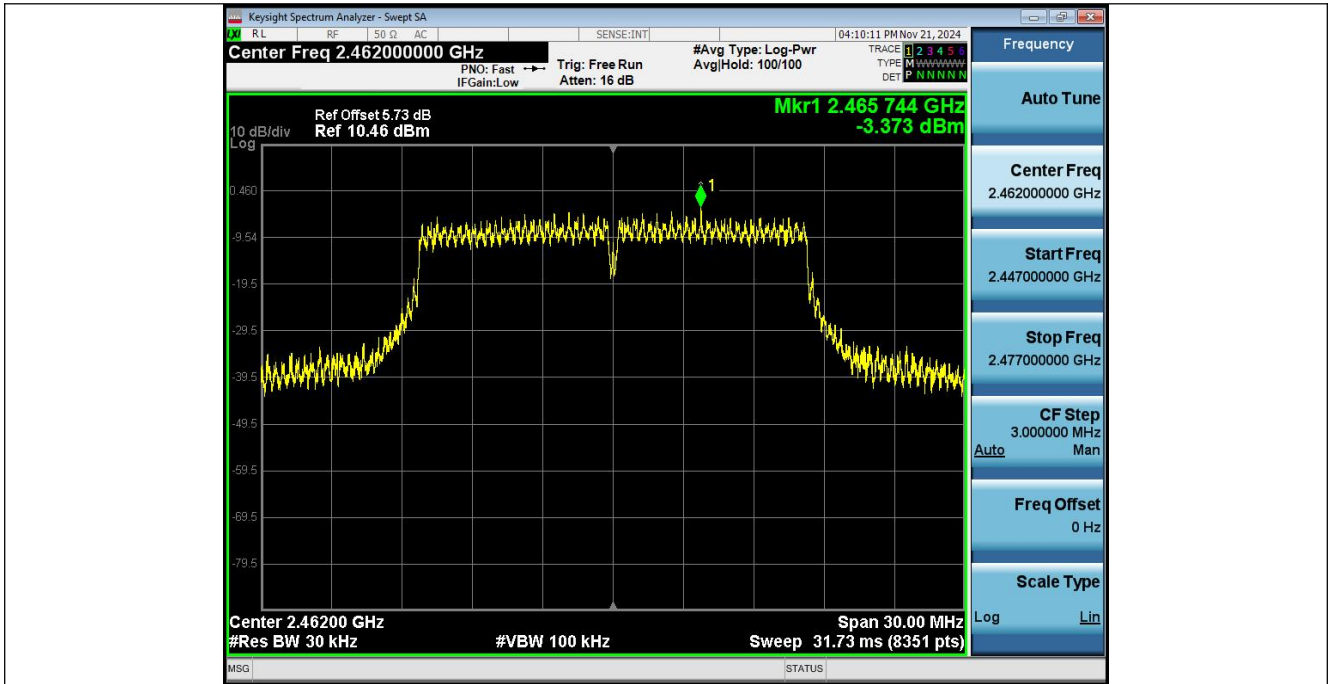
Power_Spectral_Density_NVNT_ANT1_802_11b_2437



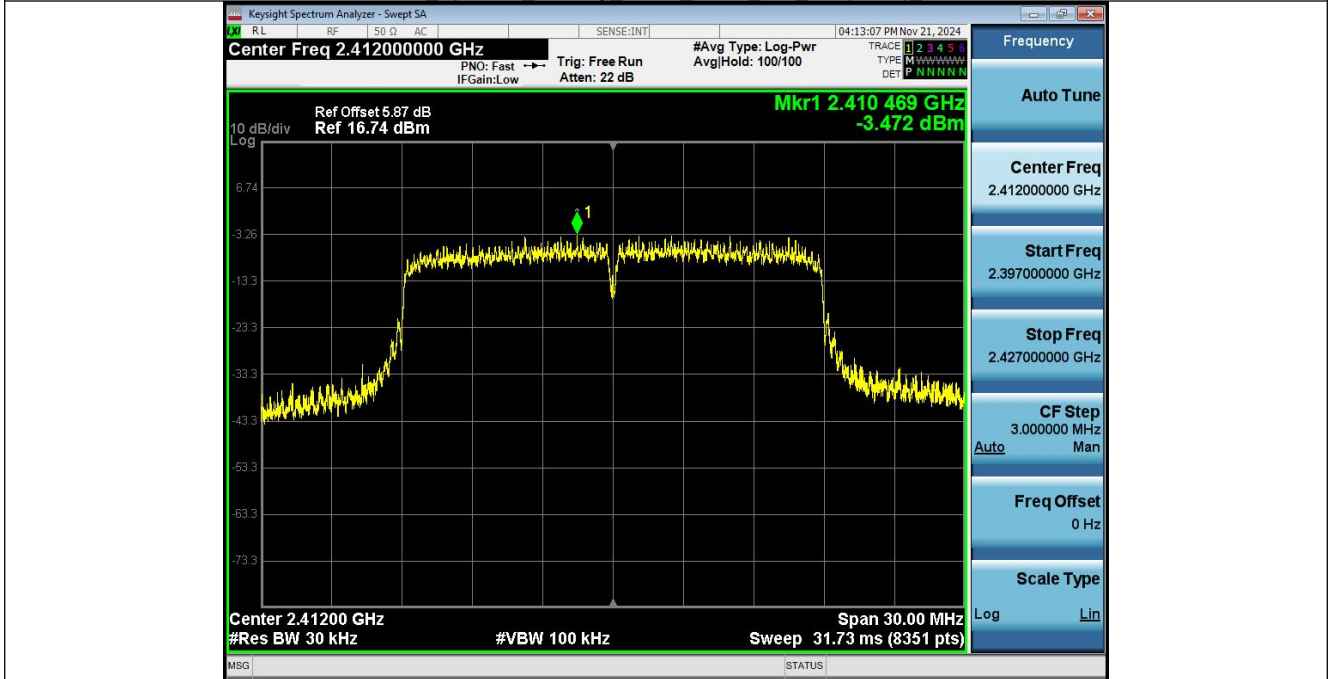
Power_Spectral_Density_NVNT_ANT1_802_11g_2412



Power Spectral Density NVNT ANT1_802_11g_2462



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

