

Table of Contents

1. -6dB Bandwidth2

2. 99% Occupied Bandwidth9

3. MAX. Output Power 16

4. Power Spectral Density 17

5. Bandedge 24

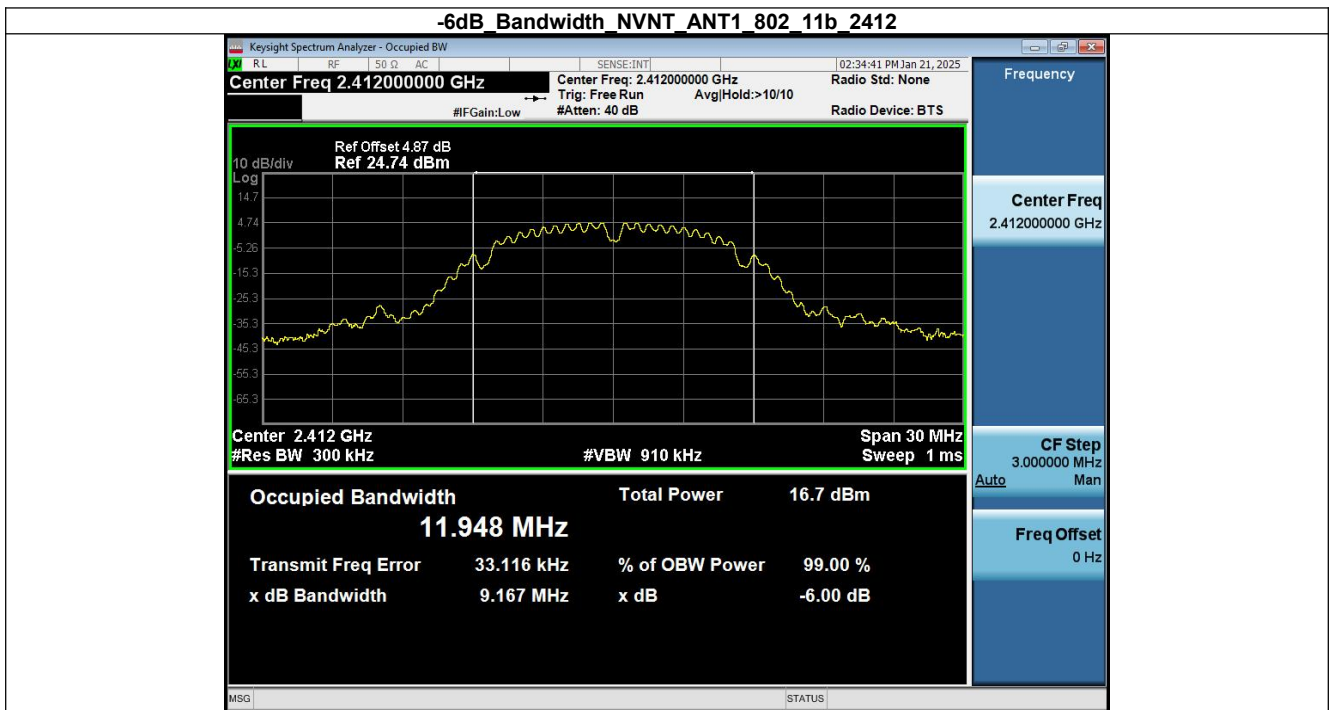
6. Spurious Emission32

FCC ID WIFI2.4

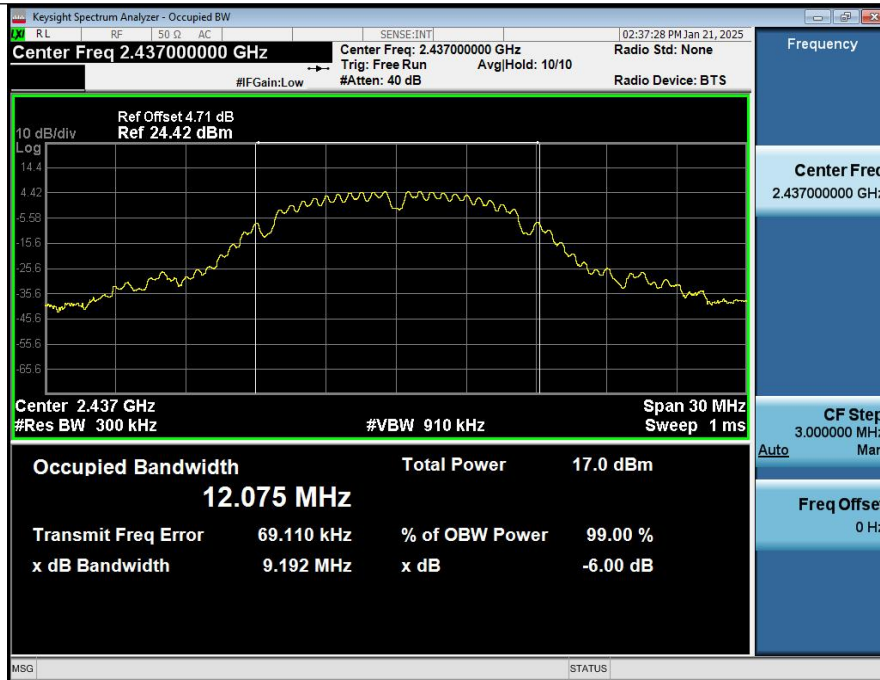
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

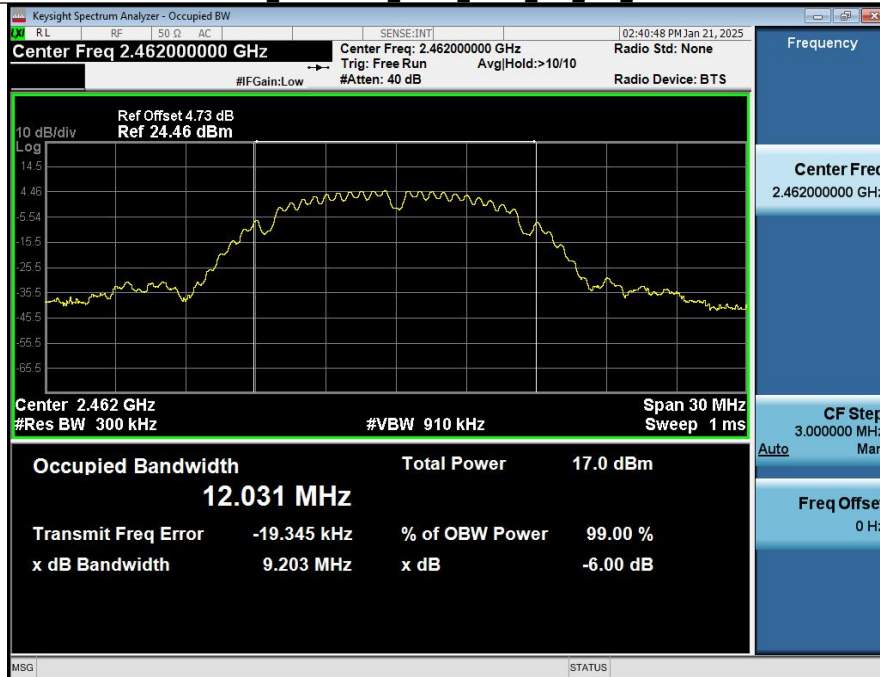
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.17	500	Pass
NVNT	ANT1	802.11b	2437.00	9.19	500	Pass
NVNT	ANT1	802.11b	2462.00	9.20	500	Pass
NVNT	ANT1	802.11g	2412.00	16.33	500	Pass
NVNT	ANT1	802.11g	2437.00	16.40	500	Pass
NVNT	ANT1	802.11g	2462.00	16.45	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.28	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.41	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.25	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.96	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.99	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.75	500	Pass



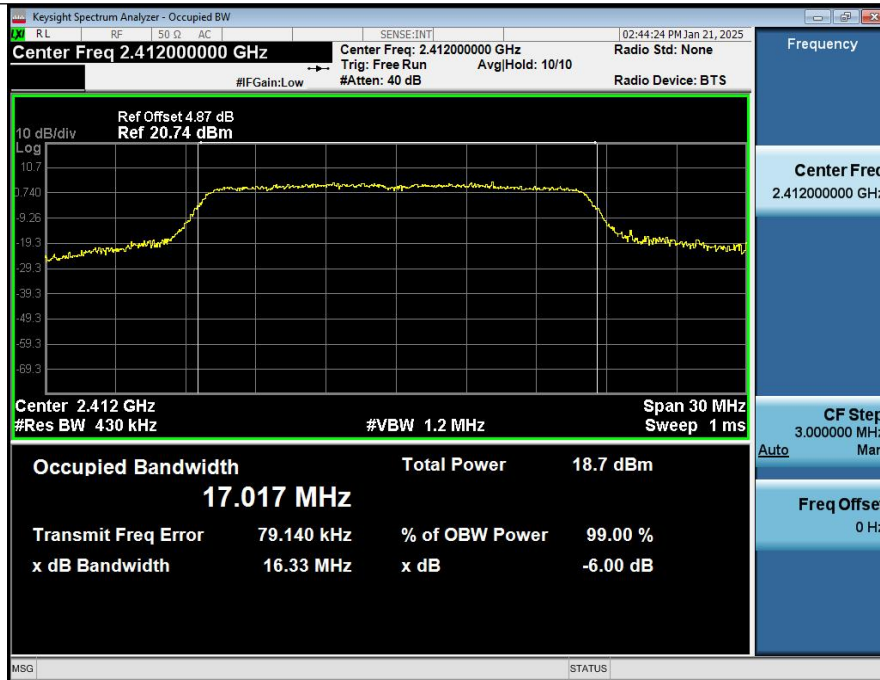
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



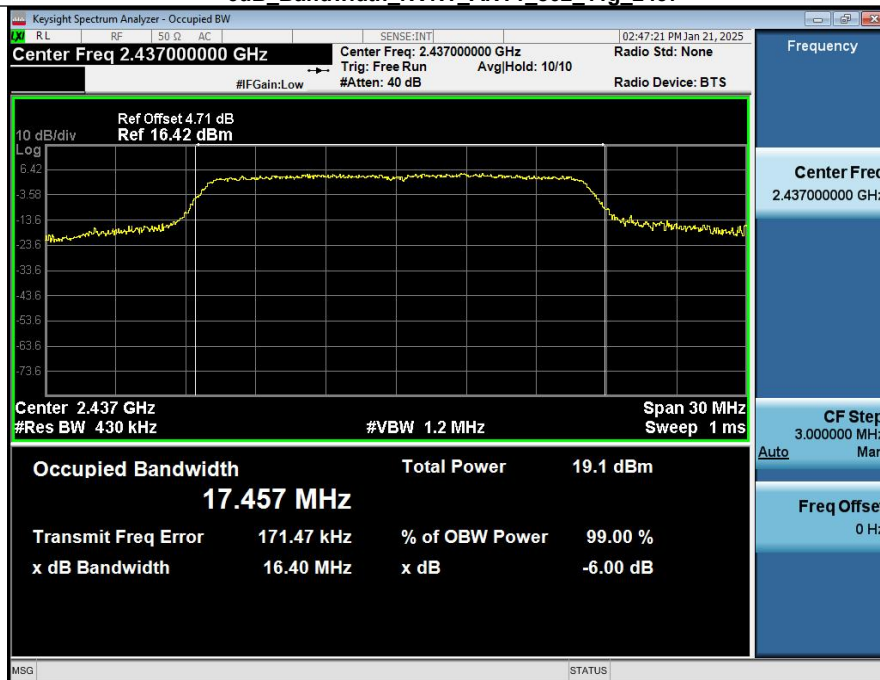
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



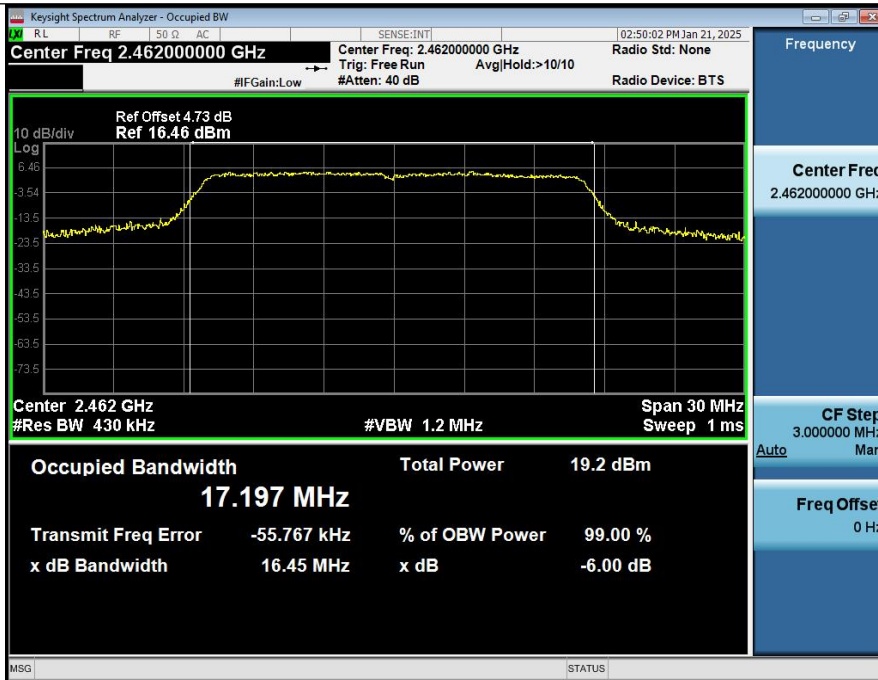
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



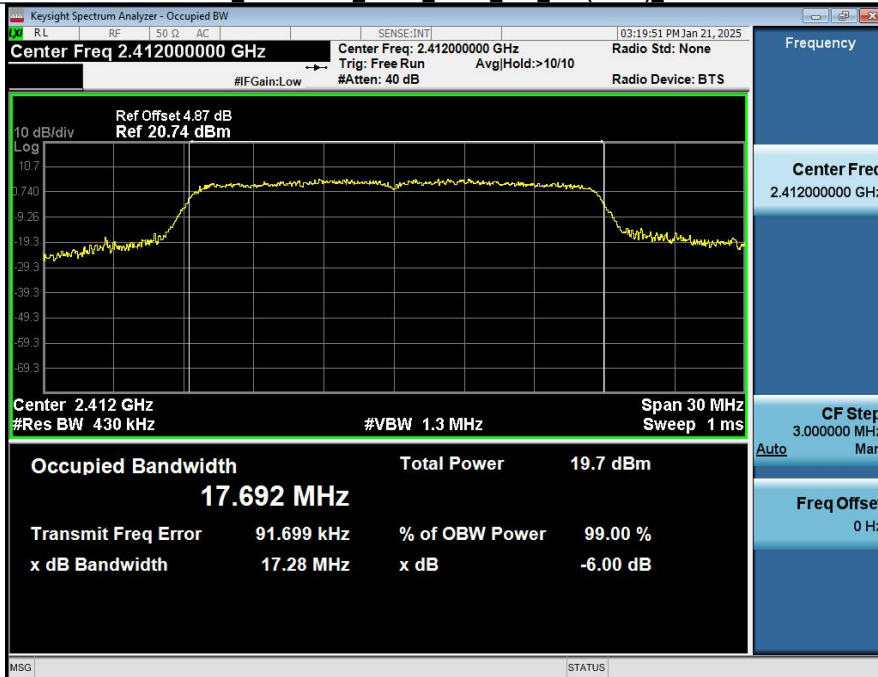
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



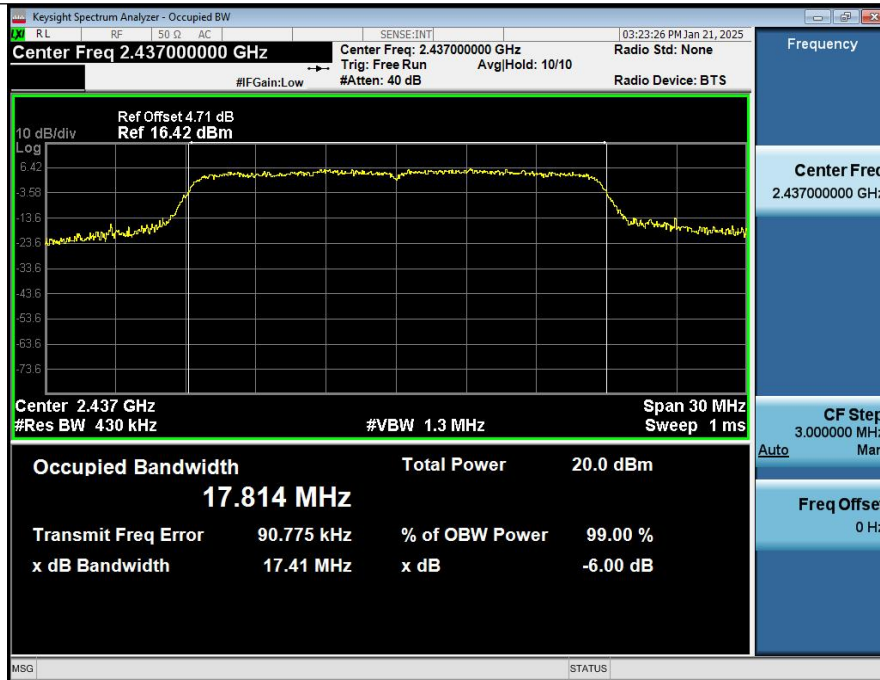
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



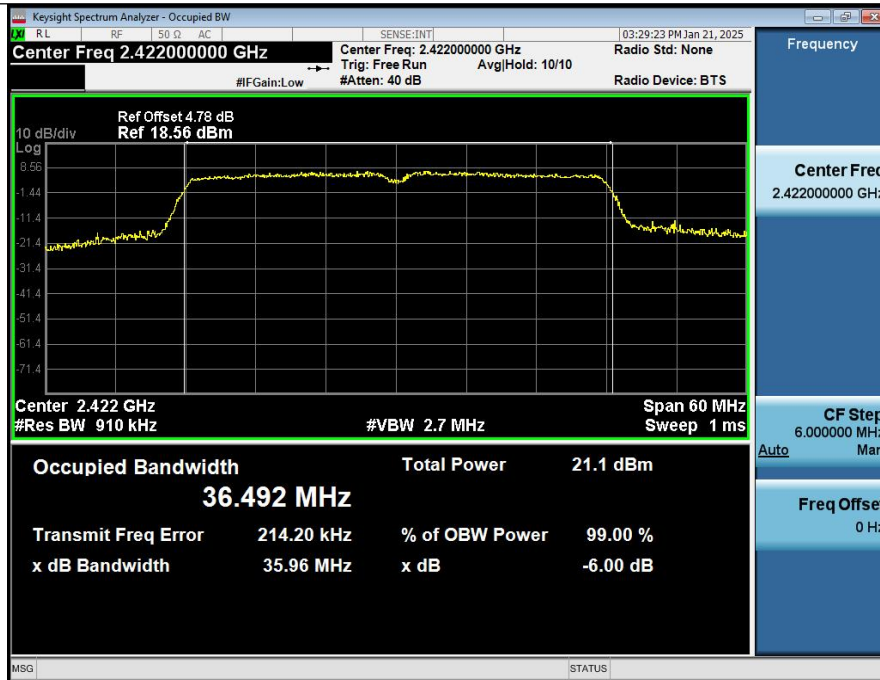
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



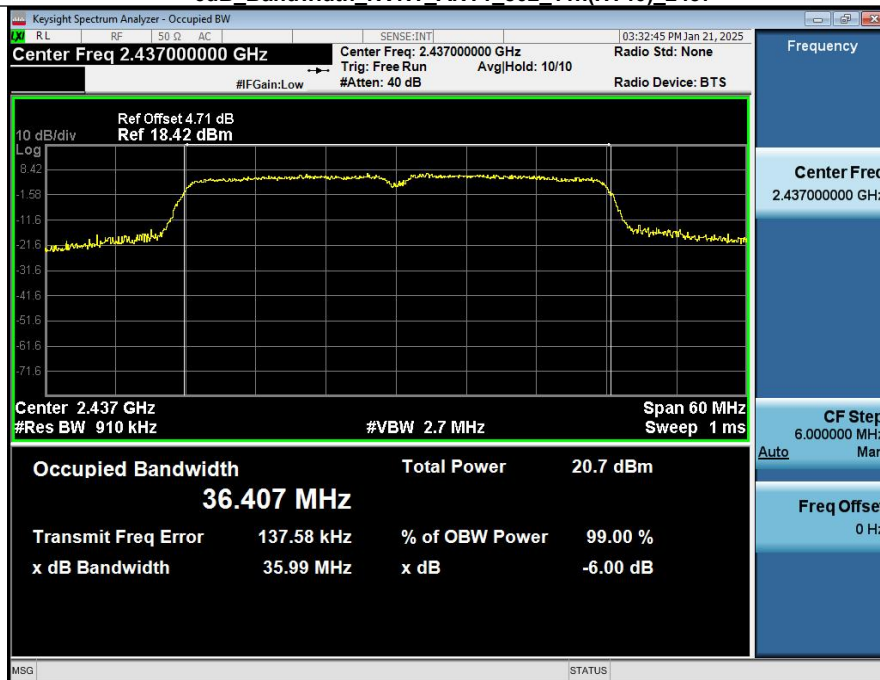
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



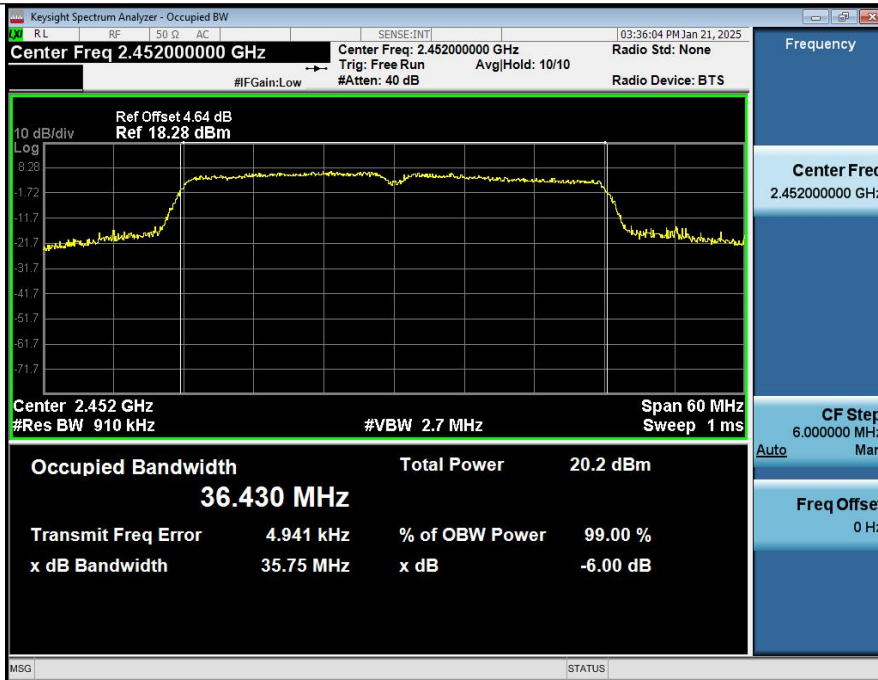
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

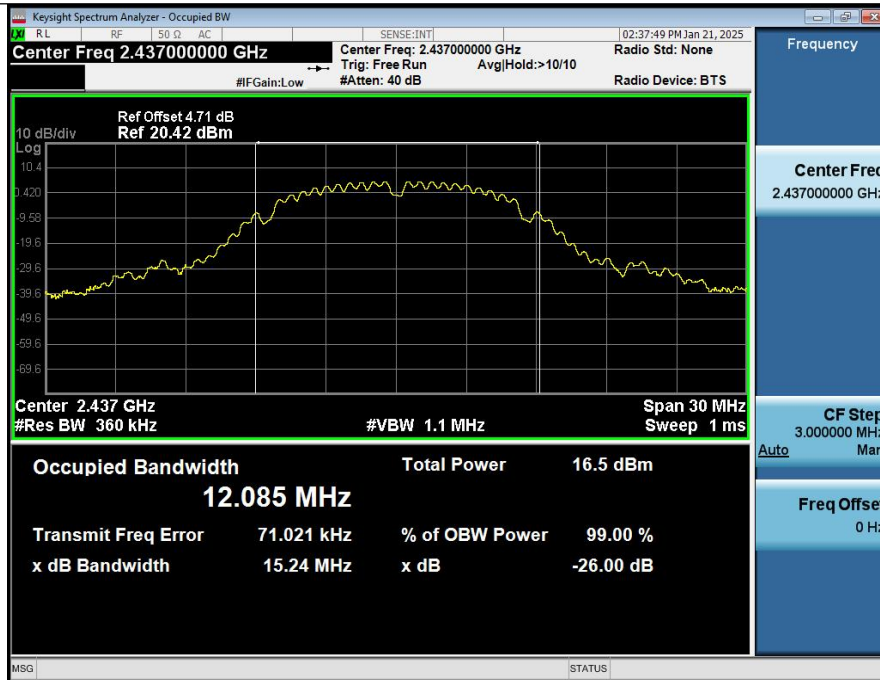


2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	11.949
NVNT	ANT1	802.11b	2437.00	12.085
NVNT	ANT1	802.11b	2462.00	12.039
NVNT	ANT1	802.11g	2412.00	17.310
NVNT	ANT1	802.11g	2437.00	18.041
NVNT	ANT1	802.11g	2462.00	17.542
NVNT	ANT1	802.11n(HT20)	2412.00	17.823
NVNT	ANT1	802.11n(HT20)	2437.00	17.997
NVNT	ANT1	802.11n(HT20)	2462.00	18.051
NVNT	ANT1	802.11n(HT40)	2422.00	36.588
NVNT	ANT1	802.11n(HT40)	2437.00	36.406
NVNT	ANT1	802.11n(HT40)	2452.00	36.349



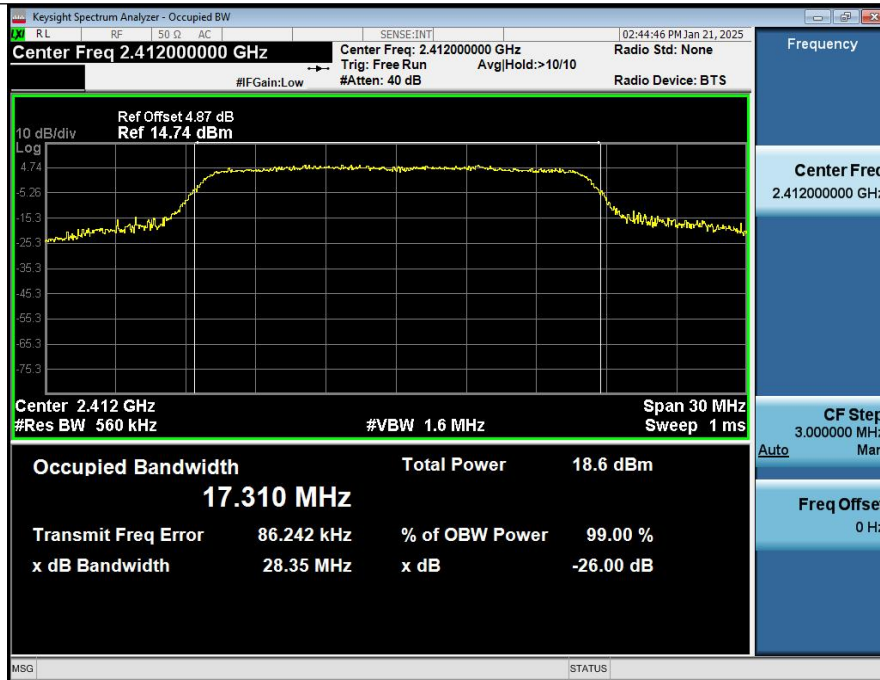
99% Occupied Bandwidth NVNT ANT1 802_11b_2437



99% Occupied Bandwidth NVNT ANT1 802 11b 2462



99% Occupied Bandwidth NVNT ANT1 802 11g 2412



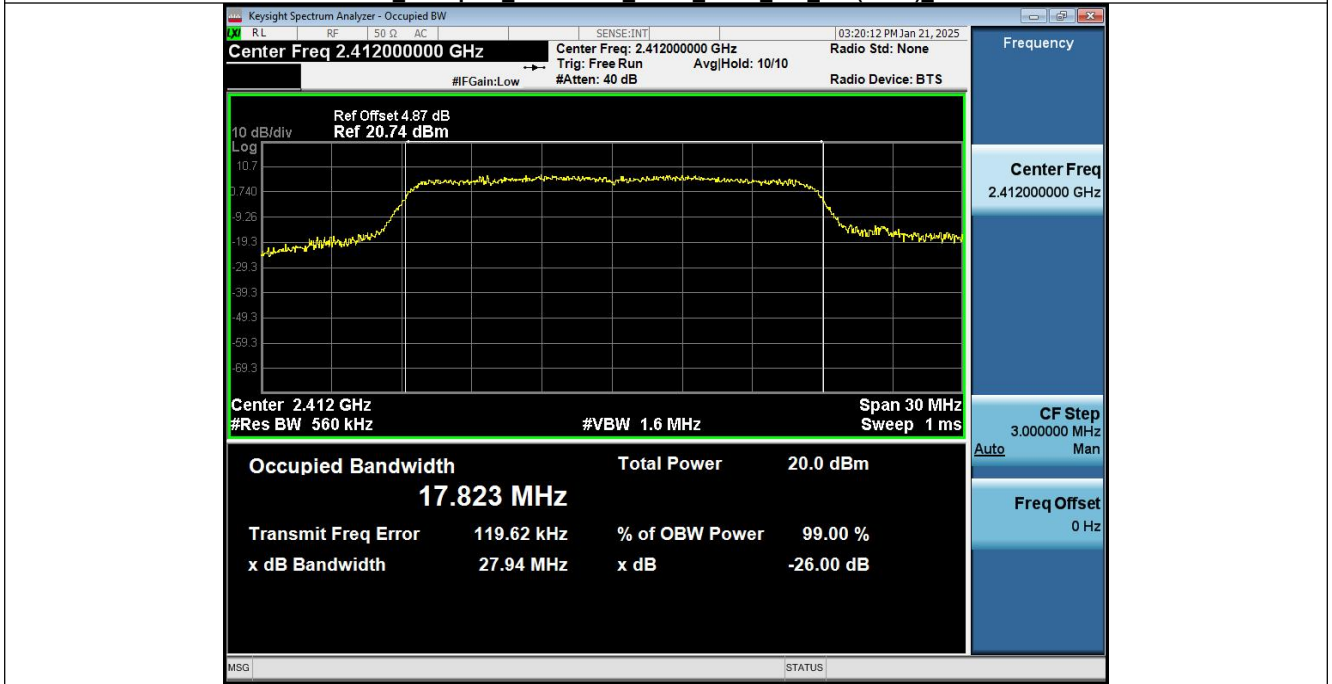
99% Occupied Bandwidth_NVNT_ANT1_802_11g_2437



99% Occupied Bandwidth_NVNT_ANT1_802_11g_2462



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



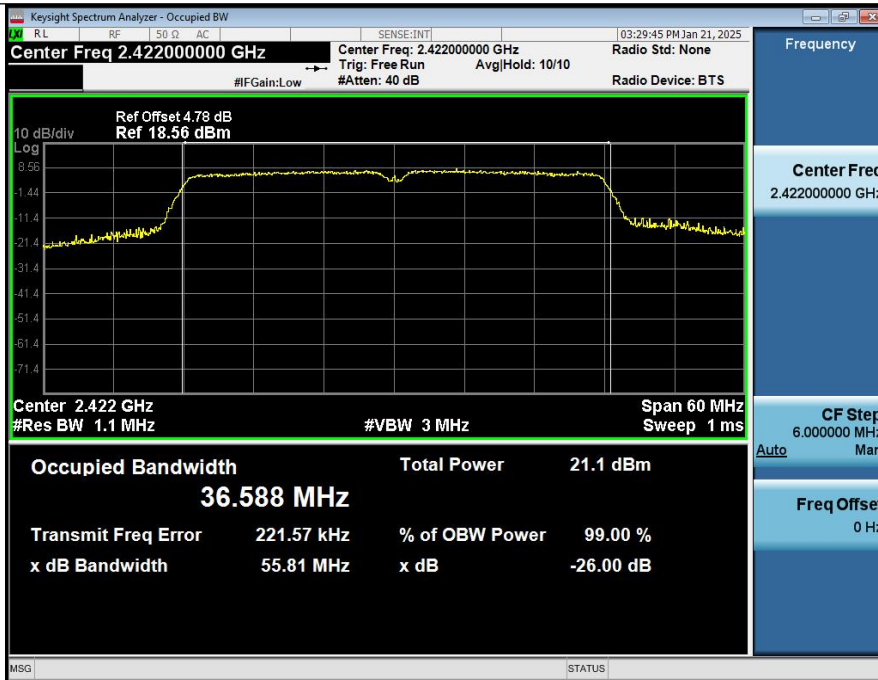
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

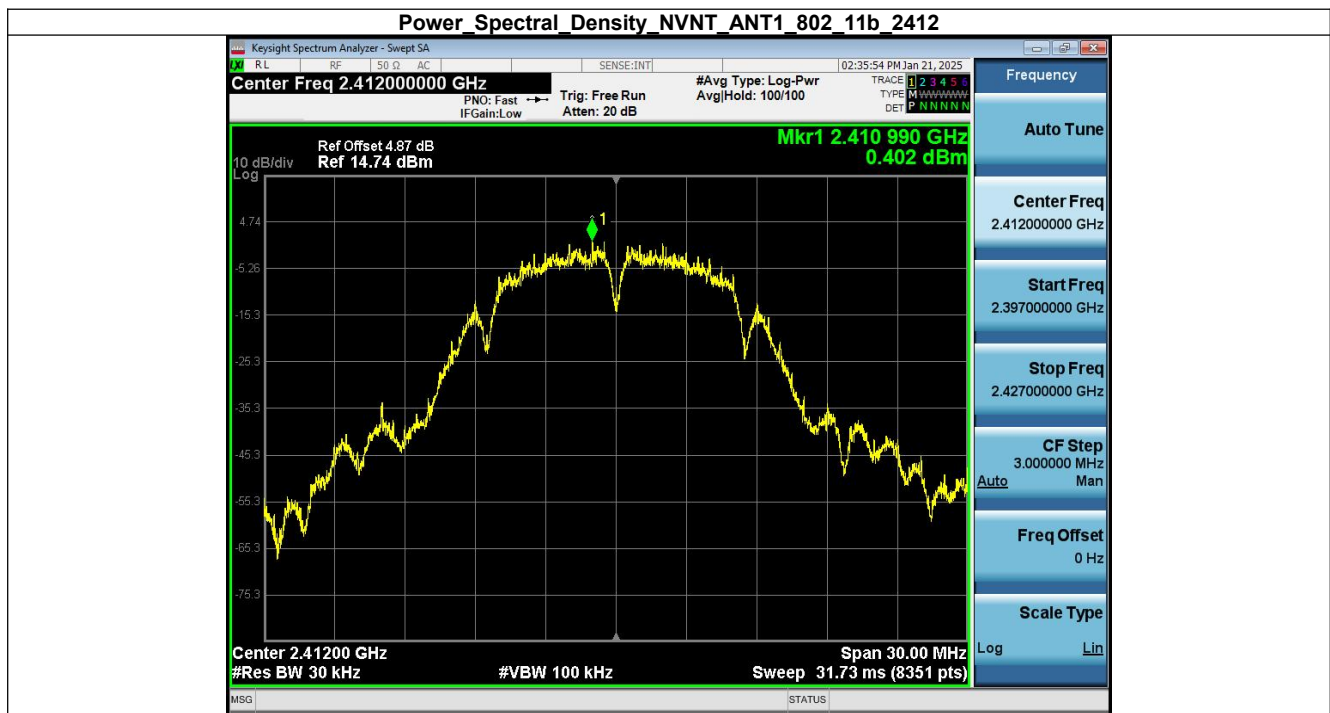


3. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	15.33	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	15.69	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	15.68	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	18.24	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	18.72	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	18.77	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	19.45	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	19.27	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	19.29	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	19.31	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	19.08	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	19.16	30	Pass

4. Power Spectral Density

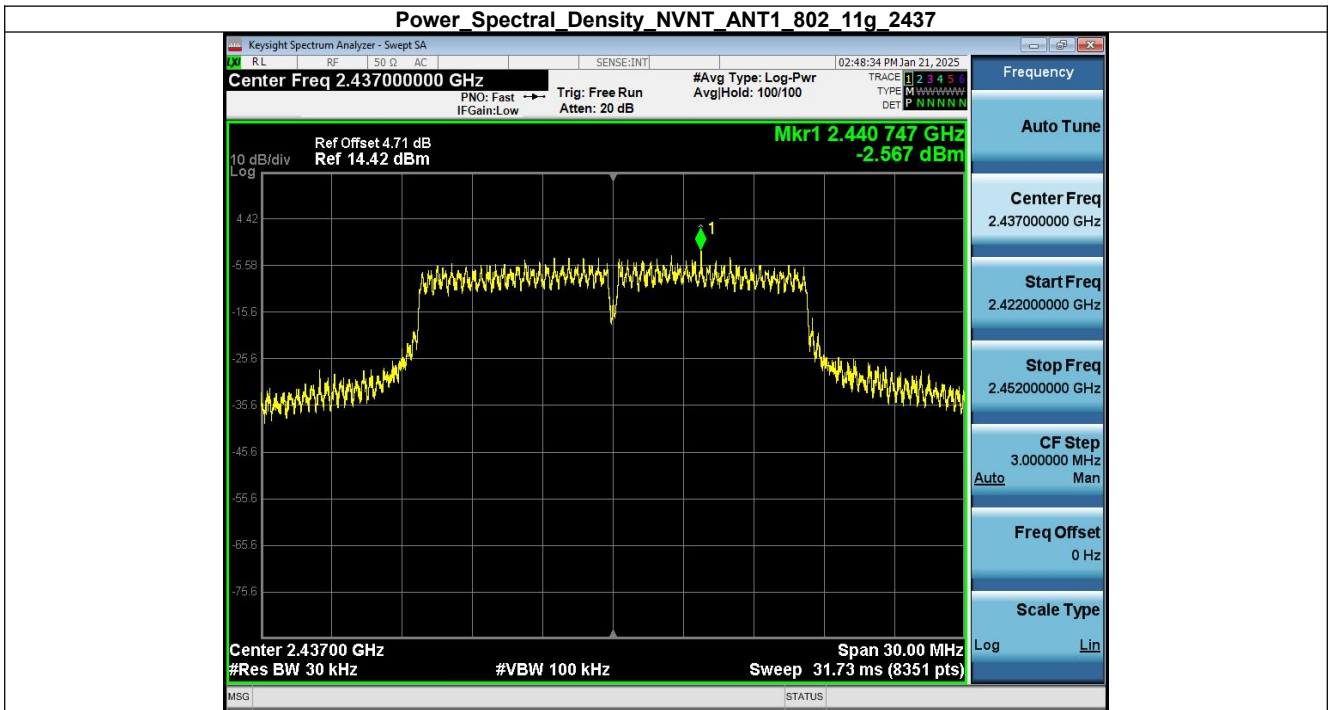
Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/3kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	0.40	N/A	-10.00	-9.60	8	Pass
NVNT	ANT1	802.11b	2437.00	1.02	N/A	-10.00	-8.98	8	Pass
NVNT	ANT1	802.11b	2462.00	0.76	N/A	-10.00	-9.24	8	Pass
NVNT	ANT1	802.11g	2412.00	-3.55	N/A	-10.00	-13.55	8	Pass
NVNT	ANT1	802.11g	2437.00	-2.57	N/A	-10.00	-12.57	8	Pass
NVNT	ANT1	802.11g	2462.00	-3.54	N/A	-10.00	-13.54	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-3.79	N/A	-10.00	-13.79	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-3.58	N/A	-10.00	-13.58	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-3.42	N/A	-10.00	-13.42	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-5.94	N/A	-10.00	-15.94	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-6.36	N/A	-10.00	-16.36	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-6.54	N/A	-10.00	-16.55	8	Pass



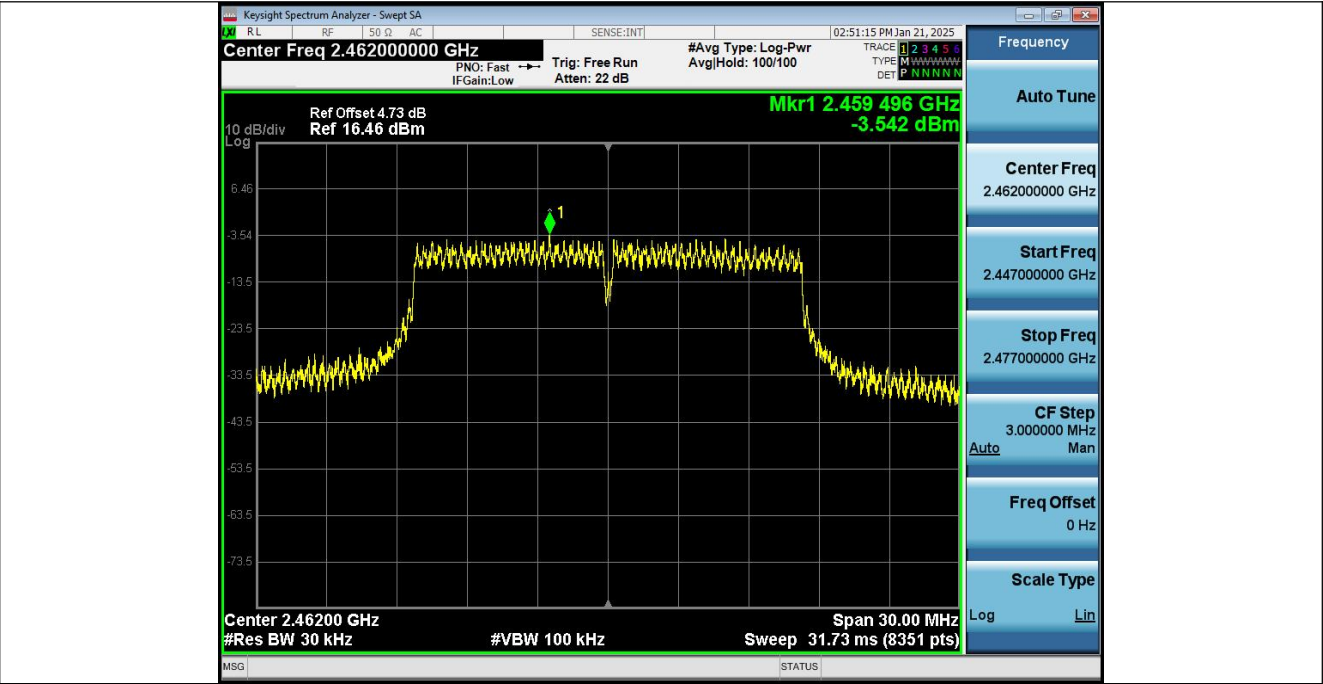
Power_Spectral_Density_NVNT_ANT1_802_11b_2437



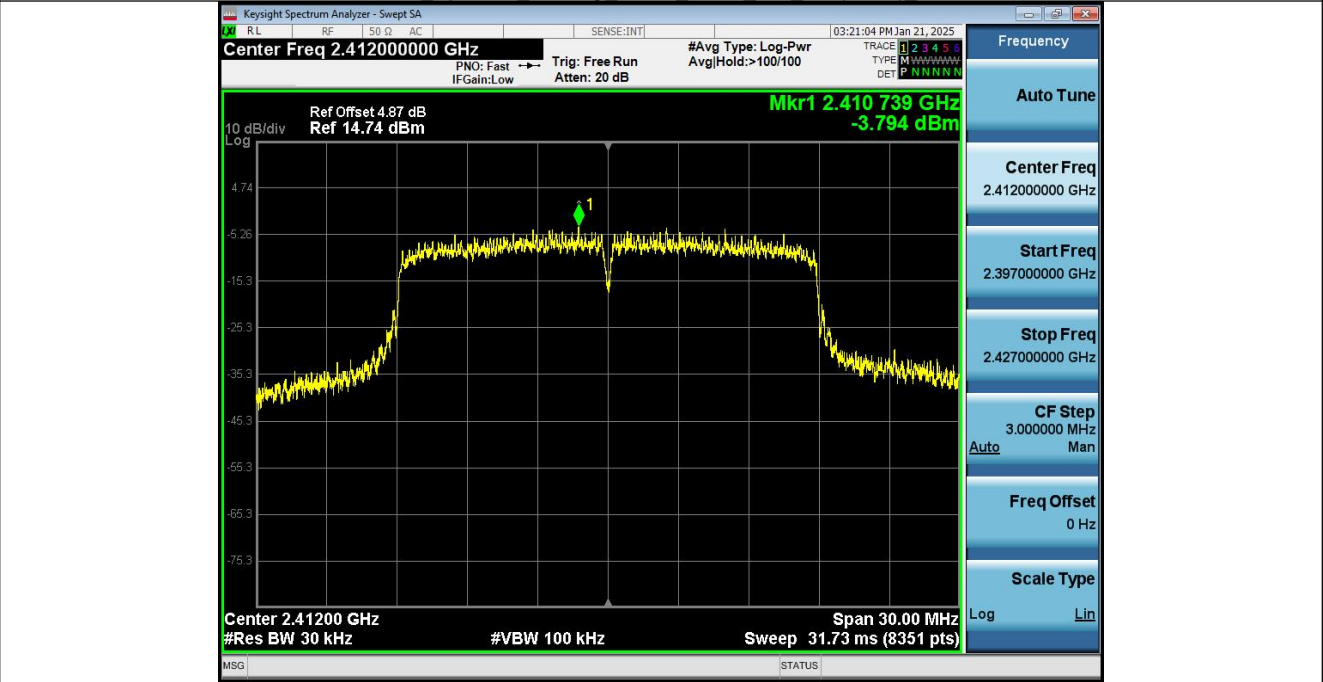
Power Spectral Density NVNT ANT1 802 11g 2412



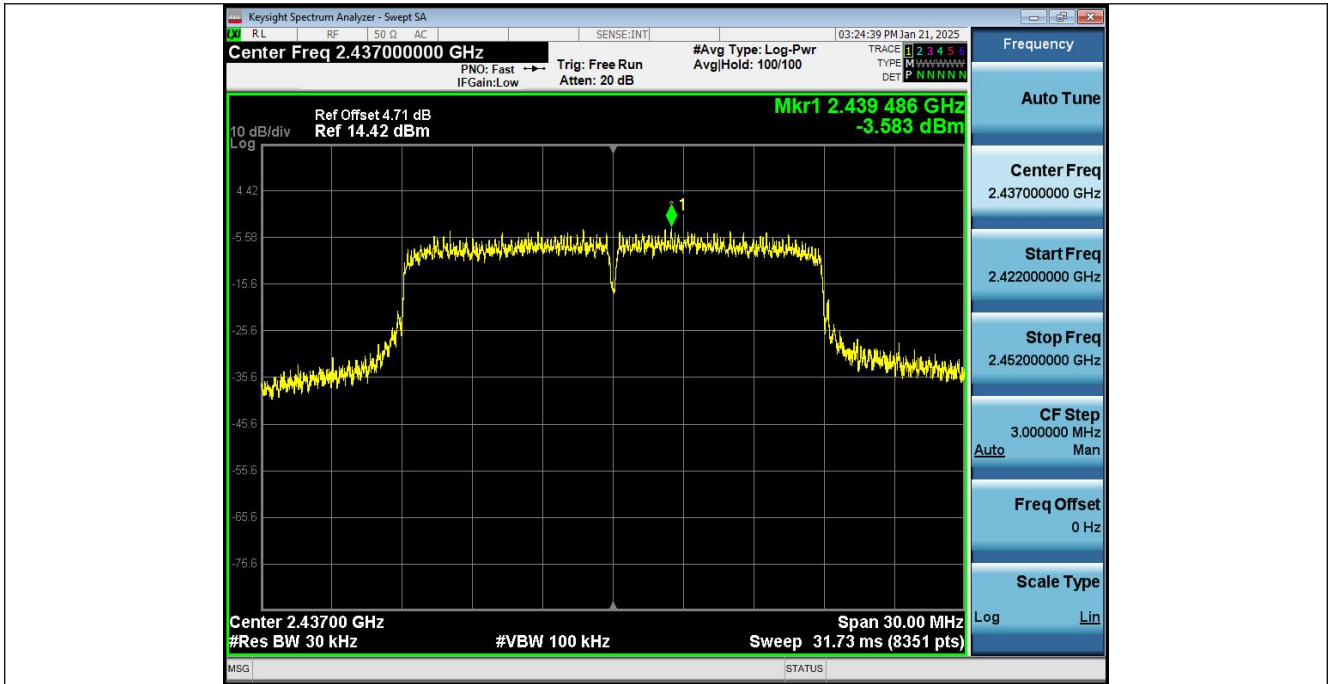
Power Spectral Density NVNT_ANT1_802_11g_2462



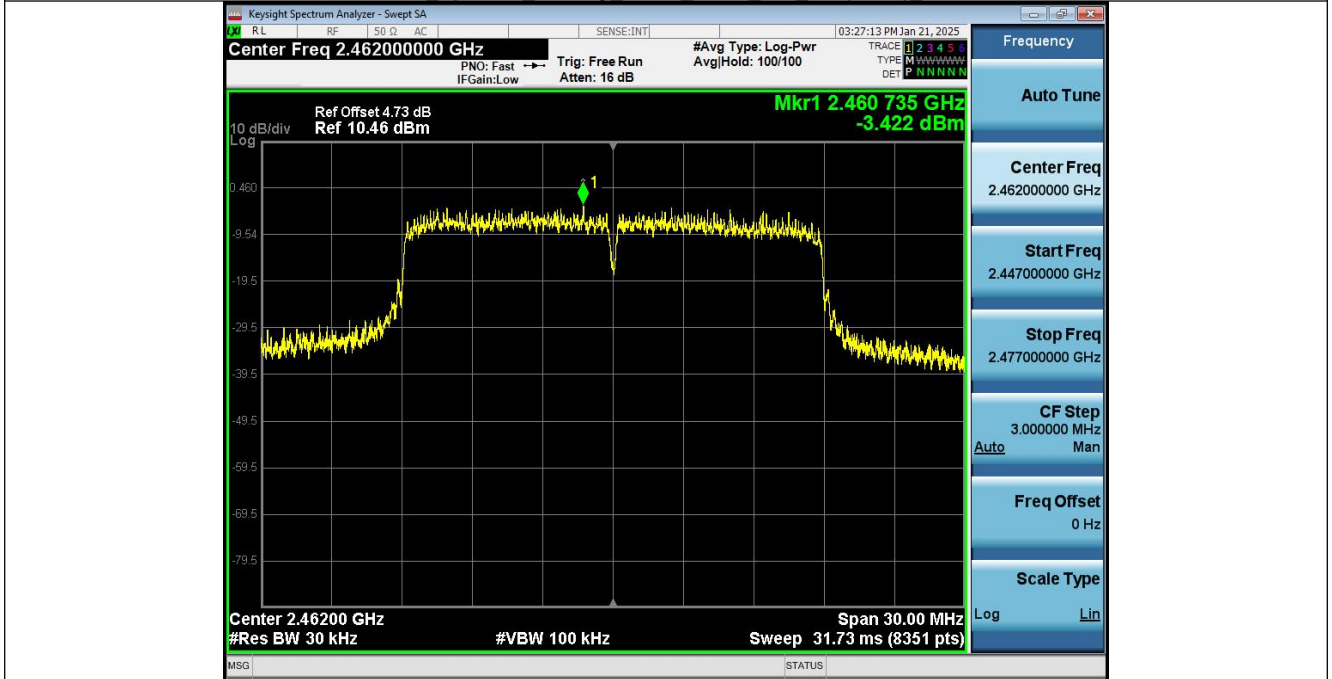
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



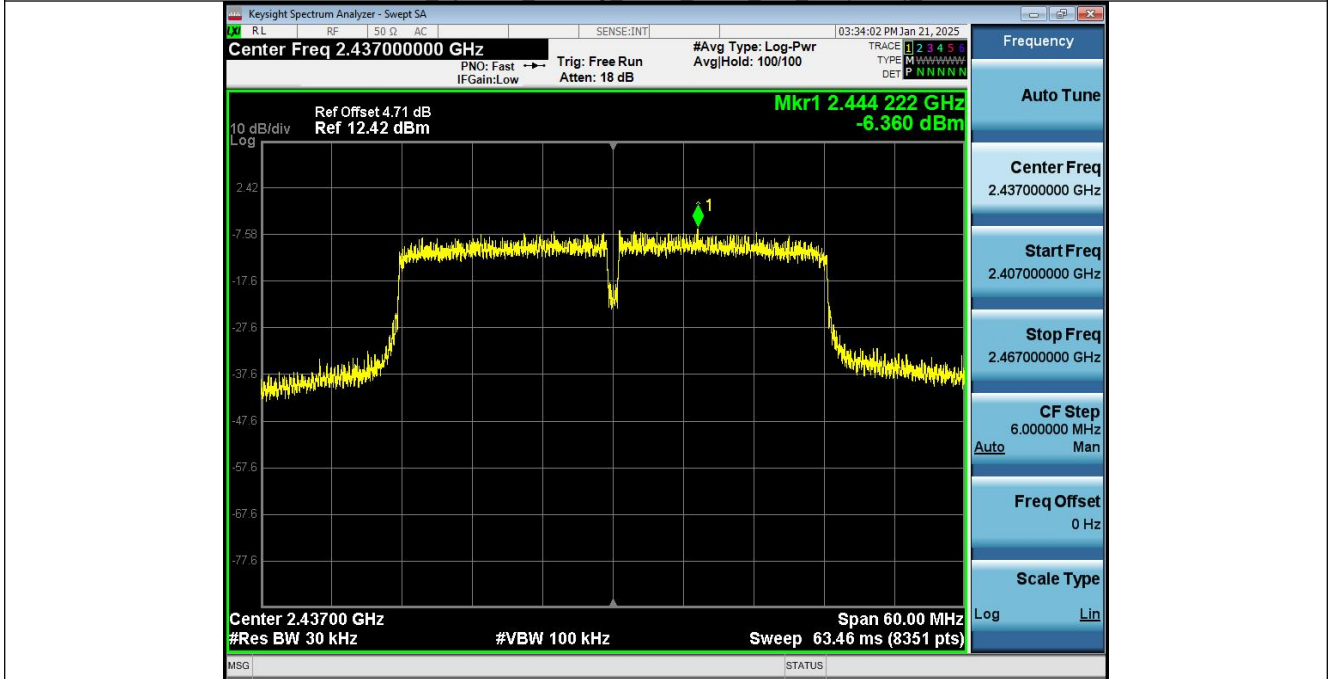
Power Spectral Density NVNT ANT1 802_11n(HT20) 2462



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

