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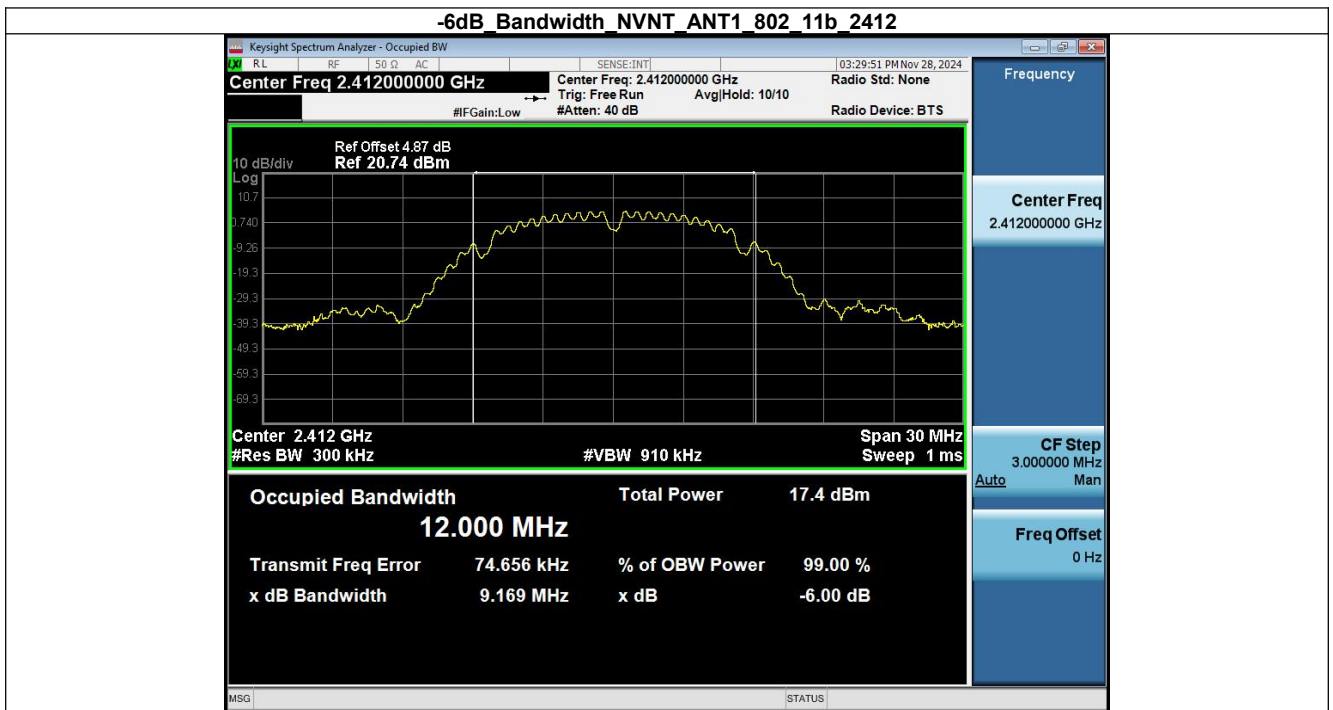
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241128 FCC ID WIFI2.4

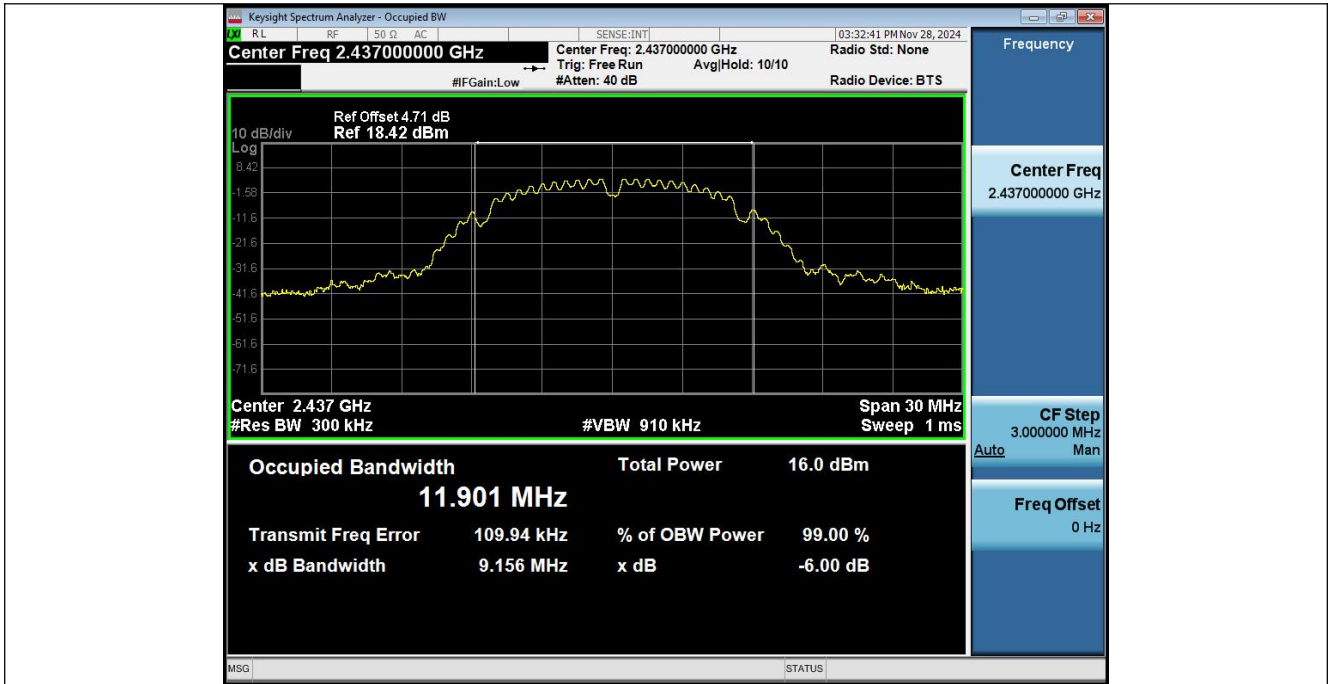
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

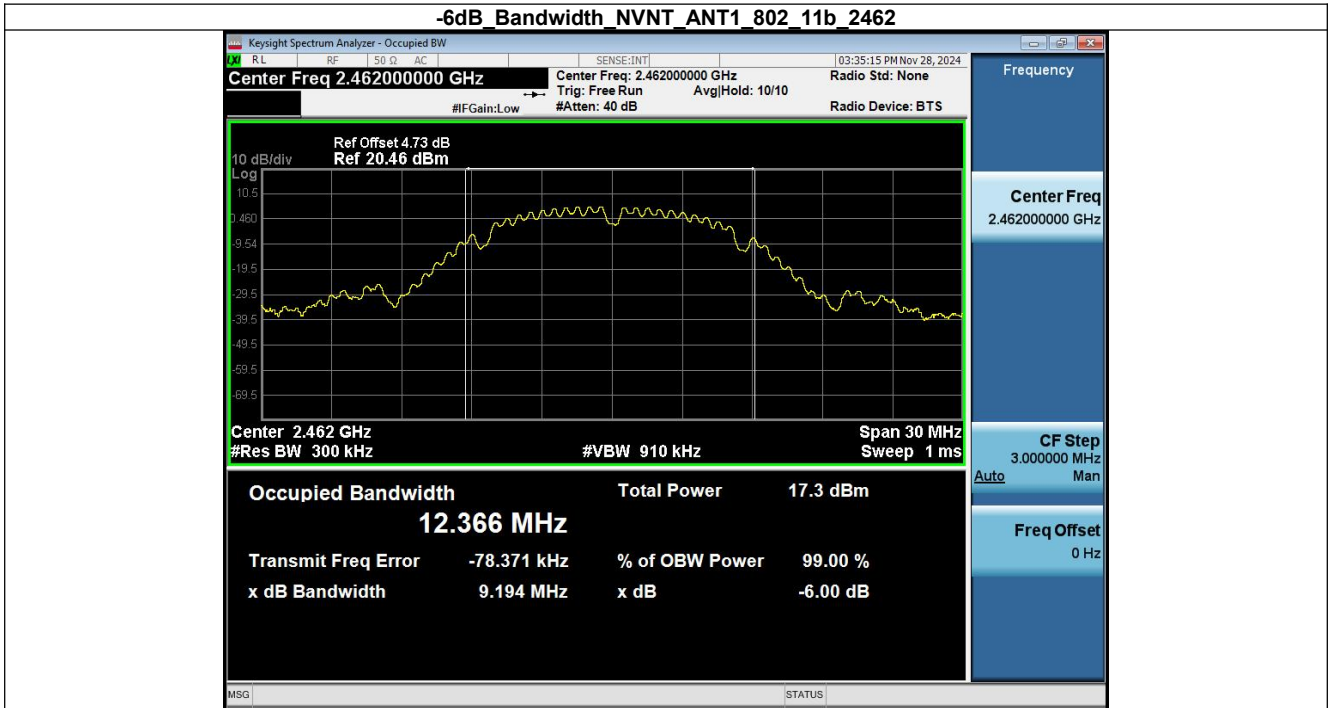
| Condition | Antenna | Modulation | Frequency (MHz) | -6dB BW(MHz) | limit(kHz) | Result |
|-----------|---------|---------------|-----------------|--------------|------------|--------|
| NVNT | ANT1 | 802.11b | 2412.00 | 9.17 | 500 | Pass |
| NVNT | ANT1 | 802.11b | 2437.00 | 9.16 | 500 | Pass |
| NVNT | ANT1 | 802.11b | 2462.00 | 9.19 | 500 | Pass |
| NVNT | ANT1 | 802.11g | 2412.00 | 16.42 | 500 | Pass |
| NVNT | ANT1 | 802.11g | 2437.00 | 16.48 | 500 | Pass |
| NVNT | ANT1 | 802.11g | 2462.00 | 16.41 | 500 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2412.00 | 17.43 | 500 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2437.00 | 17.32 | 500 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2462.00 | 17.50 | 500 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2422.00 | 35.99 | 500 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2437.00 | 35.82 | 500 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2452.00 | 36.01 | 500 | Pass |



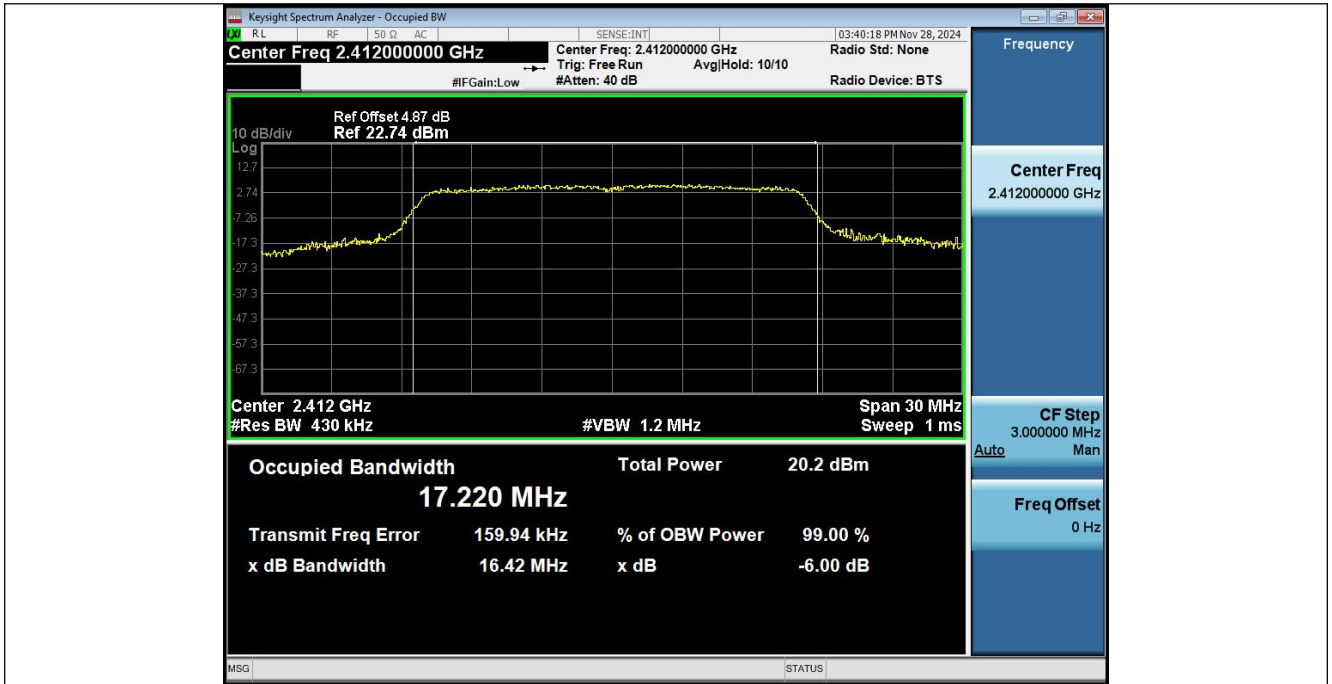
-6dB Bandwidth NVNT ANT1 802 11b 2437



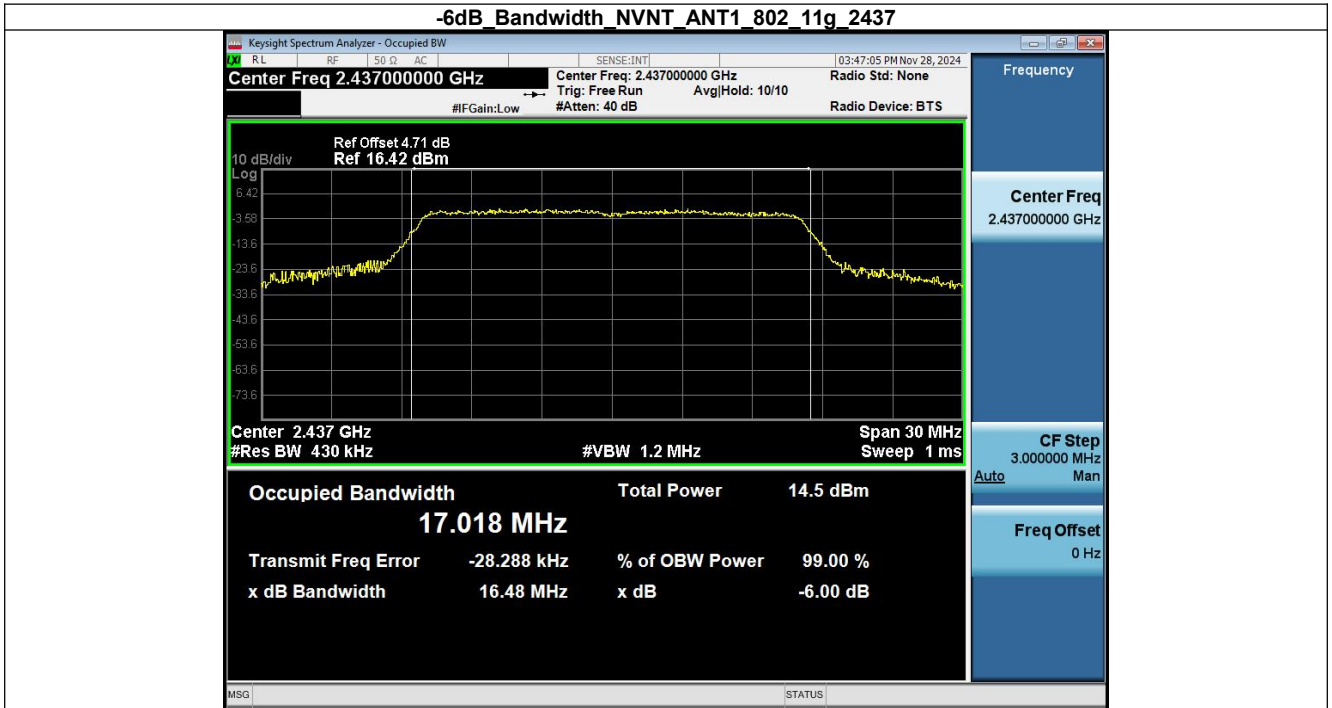
-6dB Bandwidth NVNT_ANT1_802_11b_2462



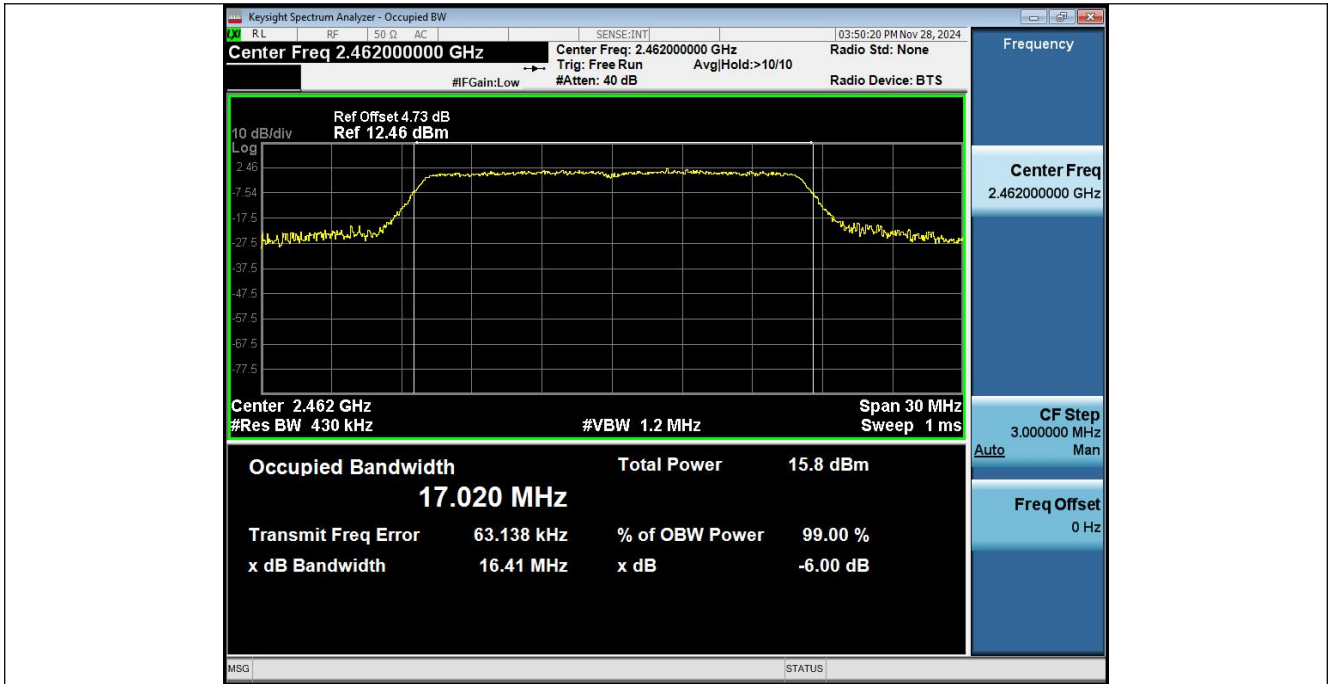
-6dB Bandwidth NVNT_ANT1_802_11g_2412



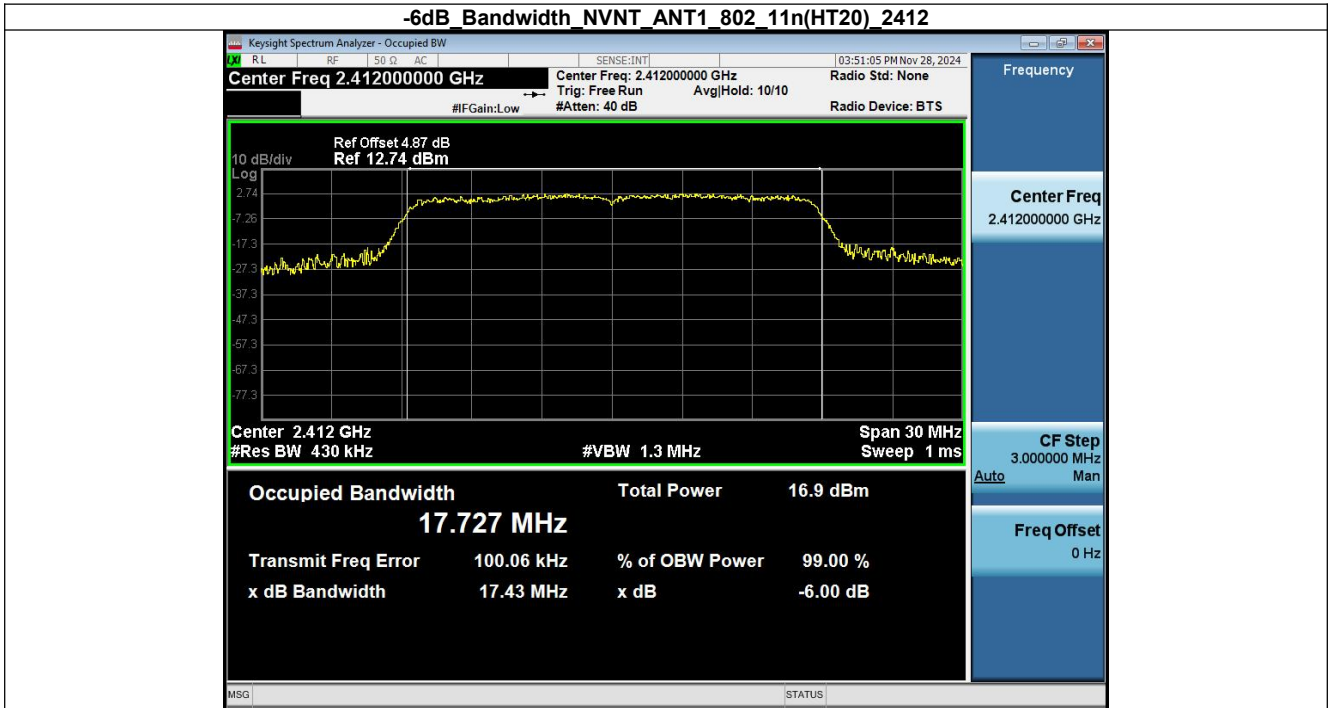
-6dB Bandwidth NVNT_ANT1_802_11g_2437



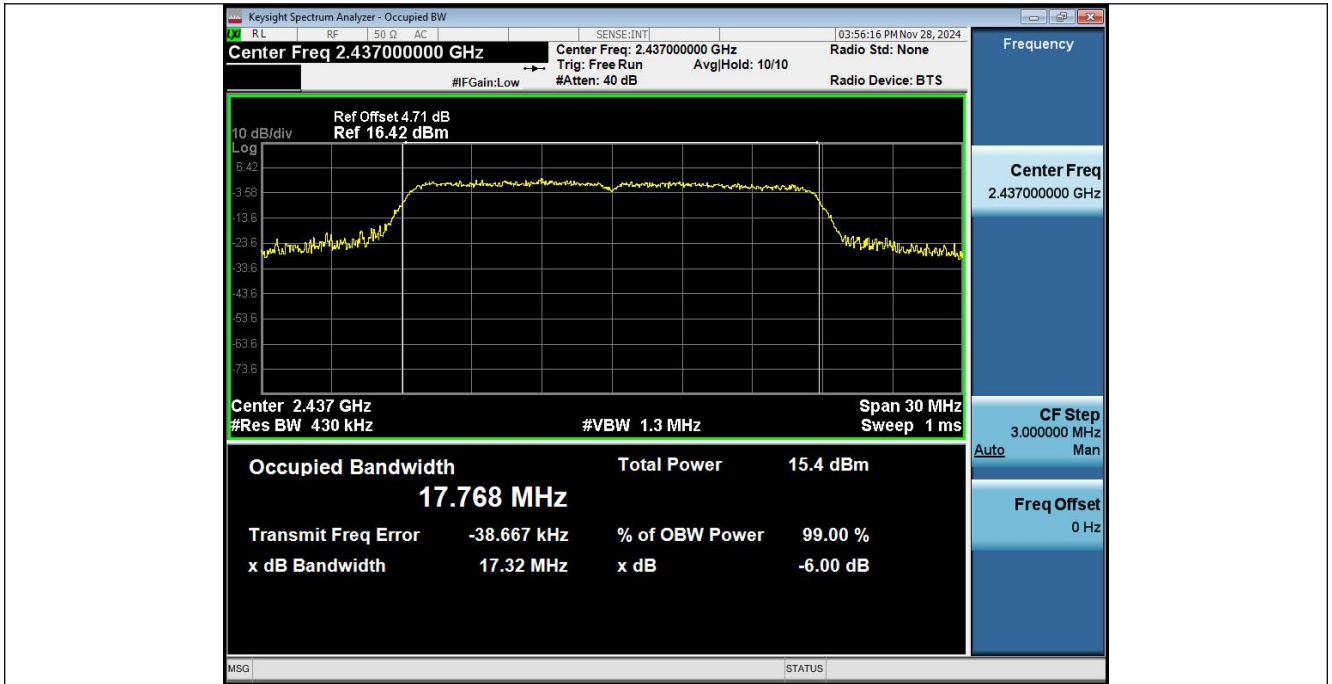
-6dB Bandwidth NVNT_ANT1_802_11g_2462



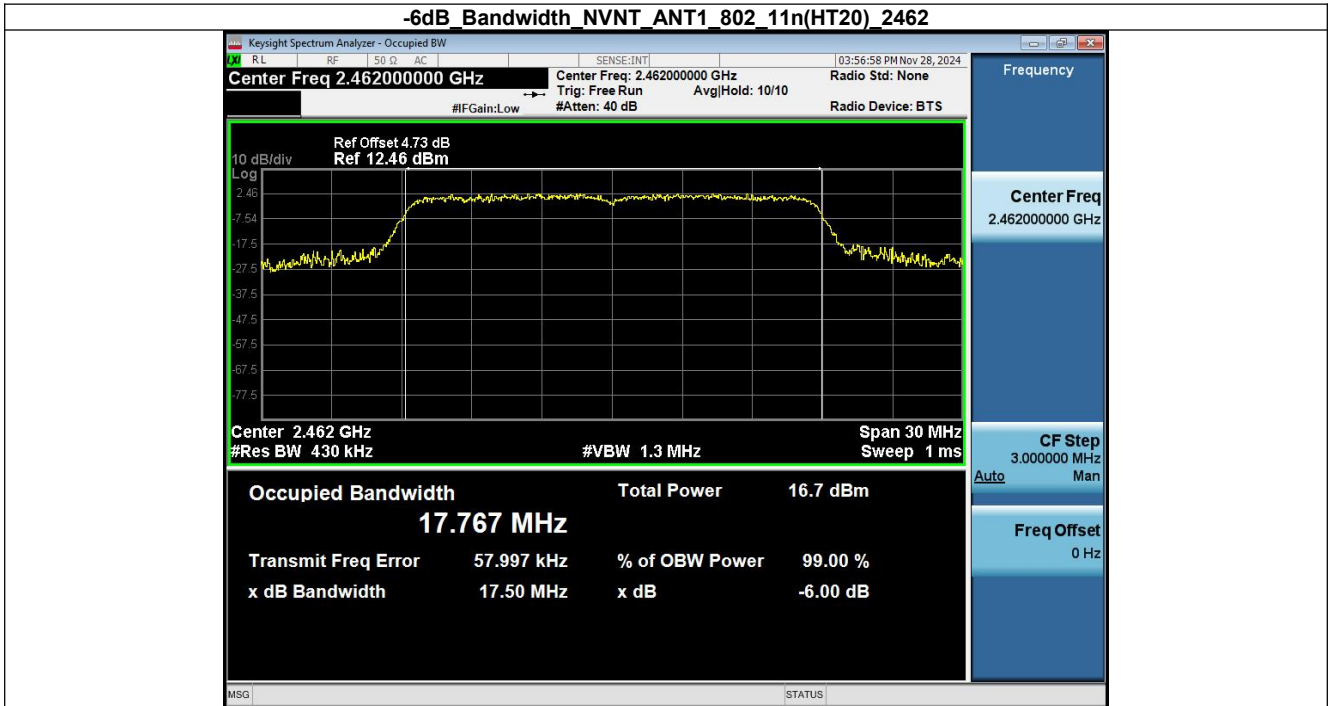
-6dB Bandwidth NVNT_ANT1_802_11n(HT20)_2412



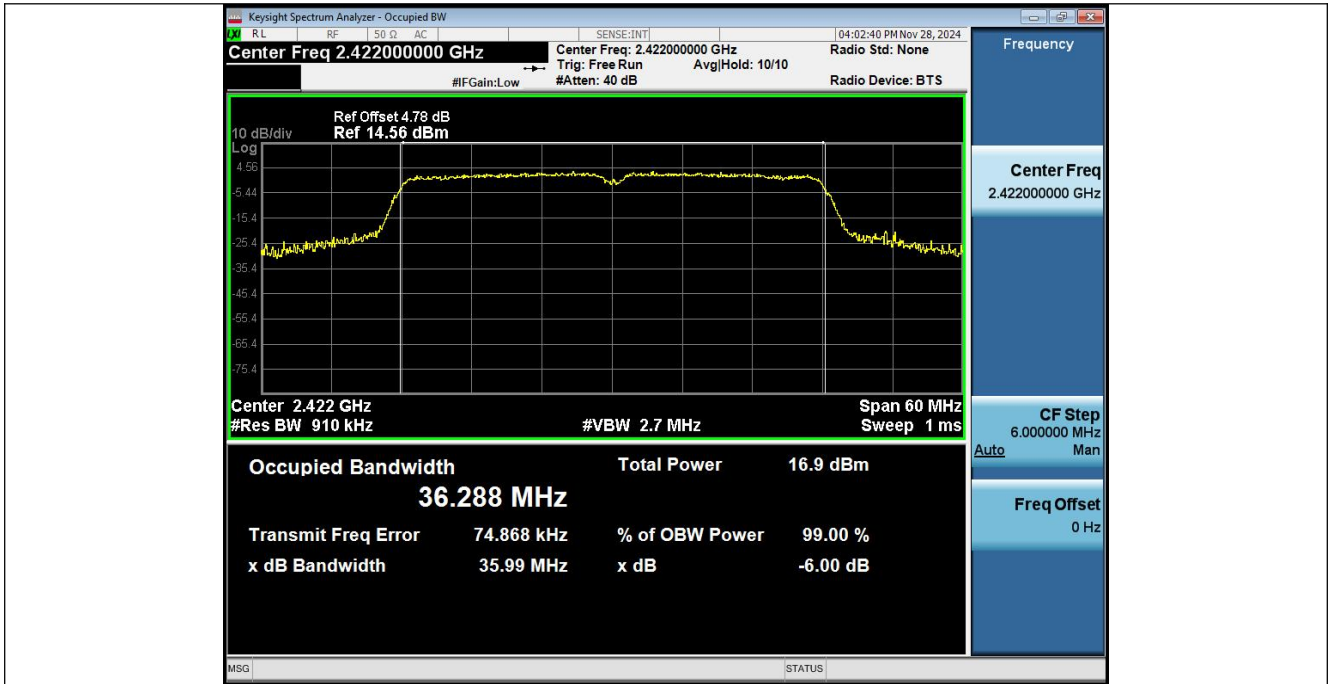
-6dB Bandwidth NVNT_ANT1_802_11n(HT20)_2437



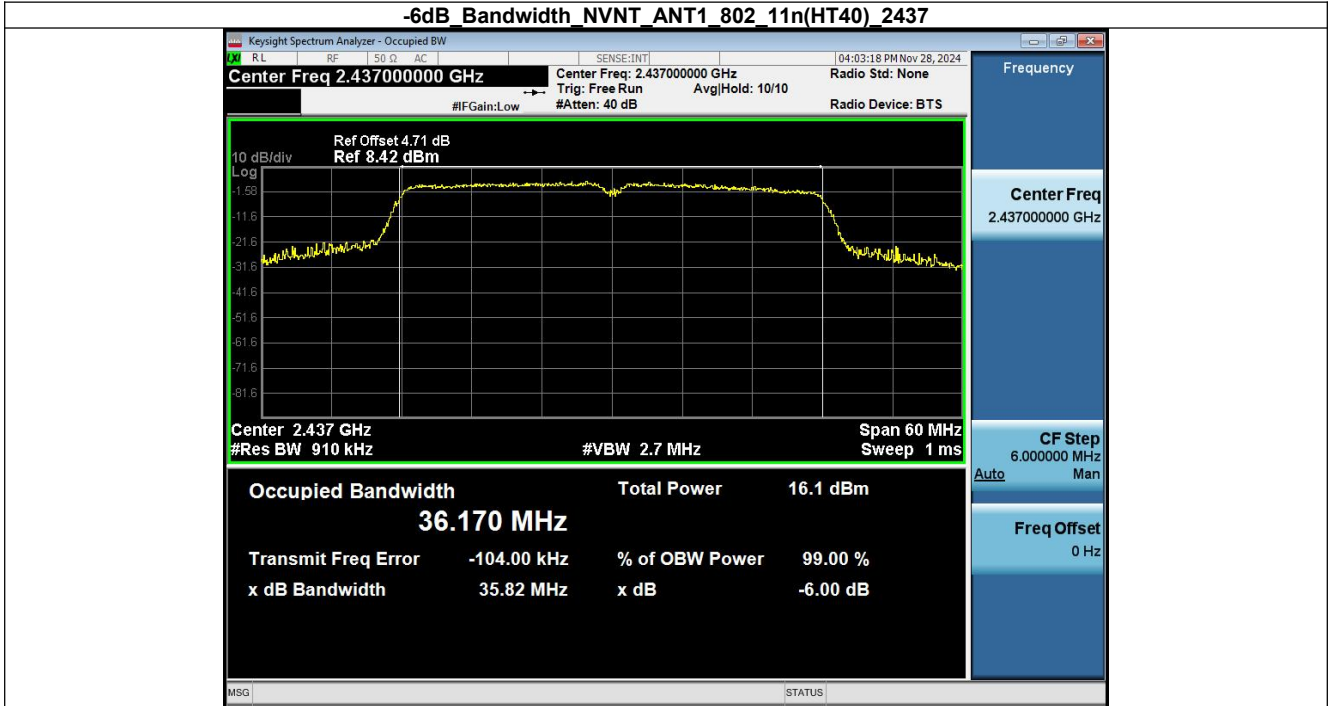
-6dB Bandwidth NVNT_ANT1_802_11n(HT20)_2462



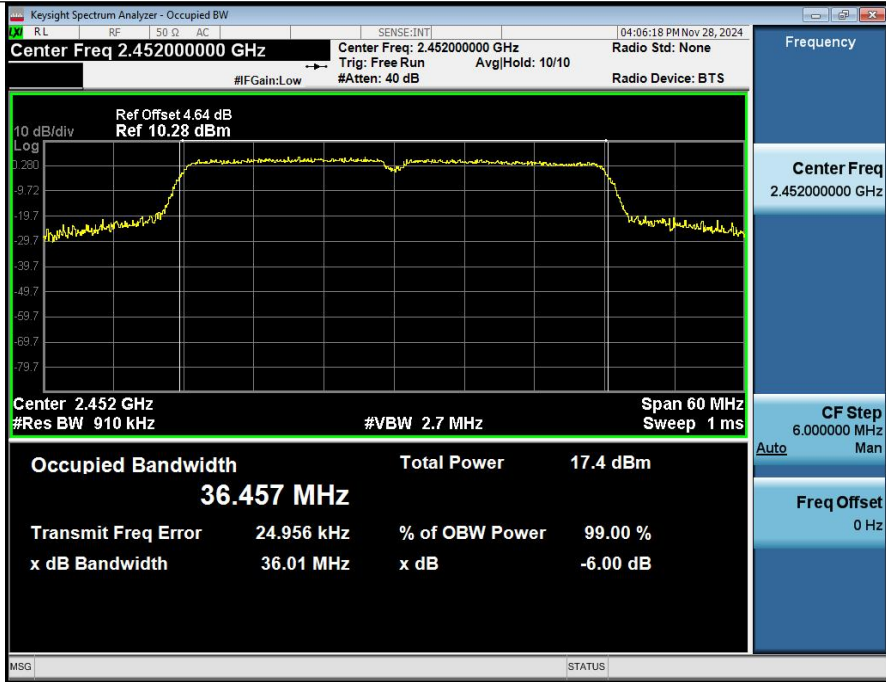
-6dB Bandwidth NVNT_ANT1_802_11n(HT40)_2422



-6dB Bandwidth NVNT_ANT1_802_11n(HT40)_2437

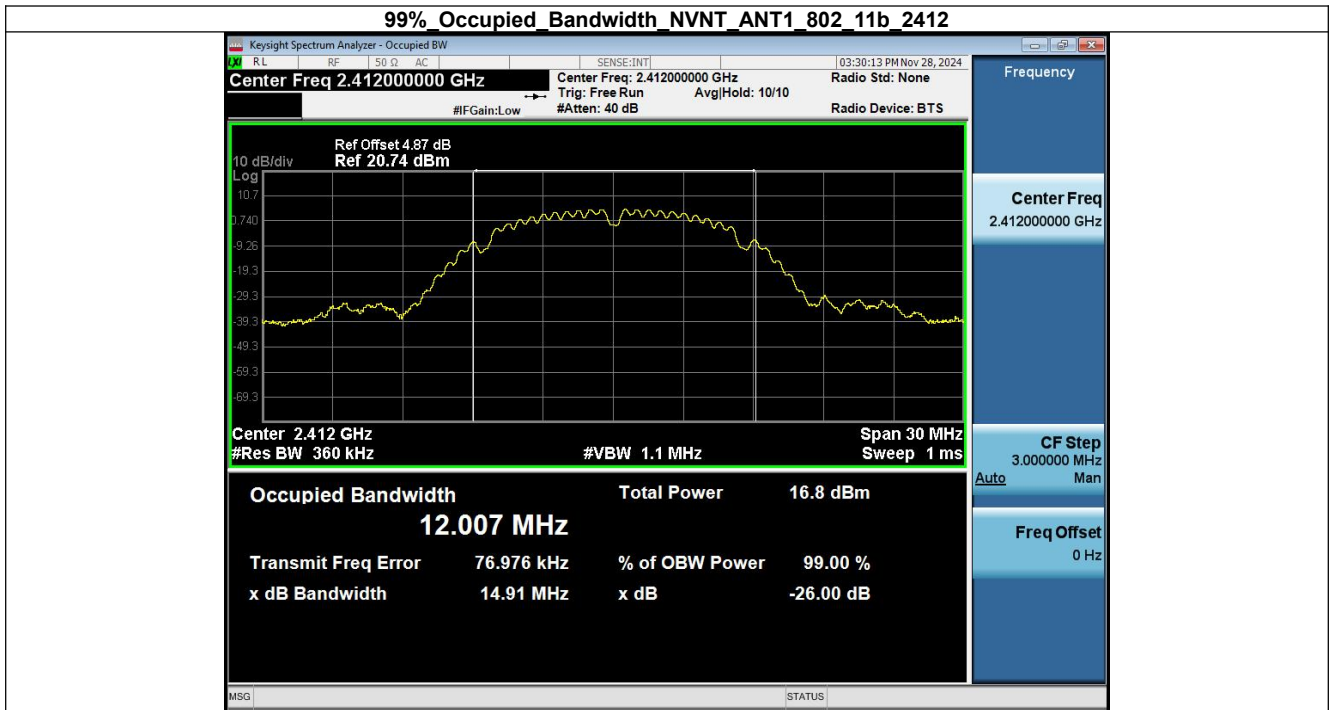


-6dB Bandwidth NVNT_ANT1_802_11n(HT40)_2452

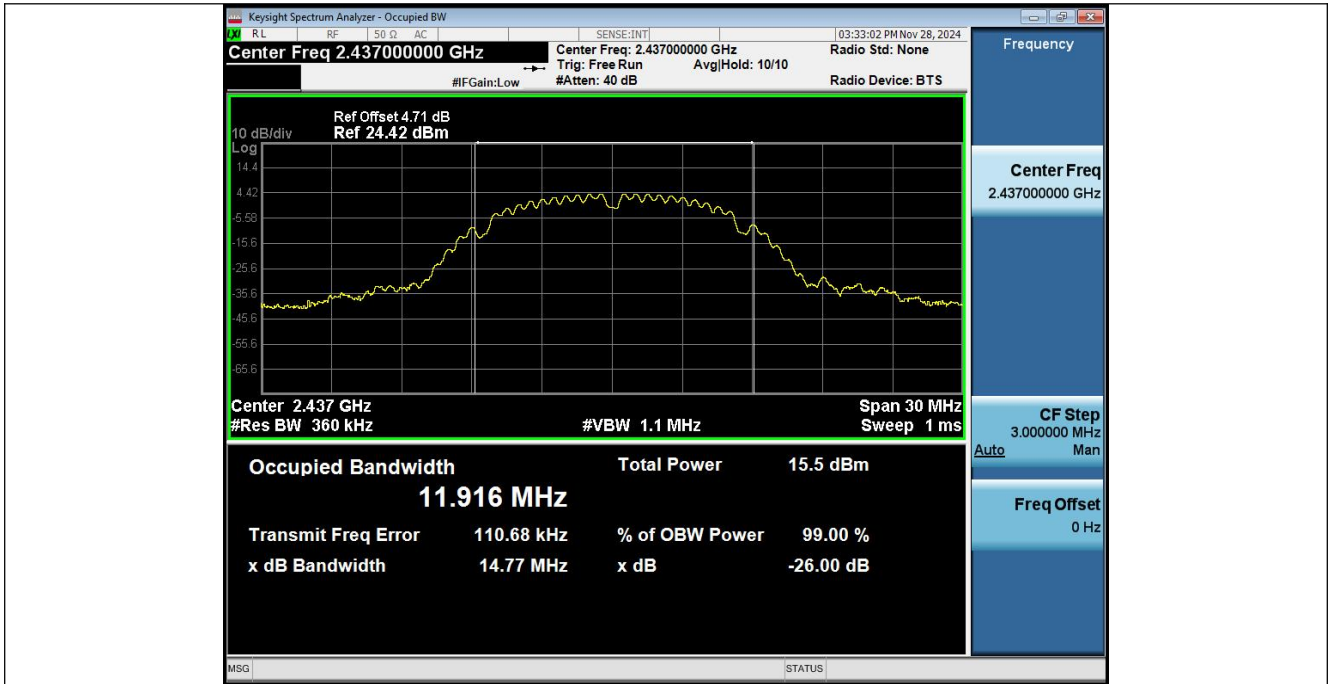


2. 99% Occupied Bandwidth

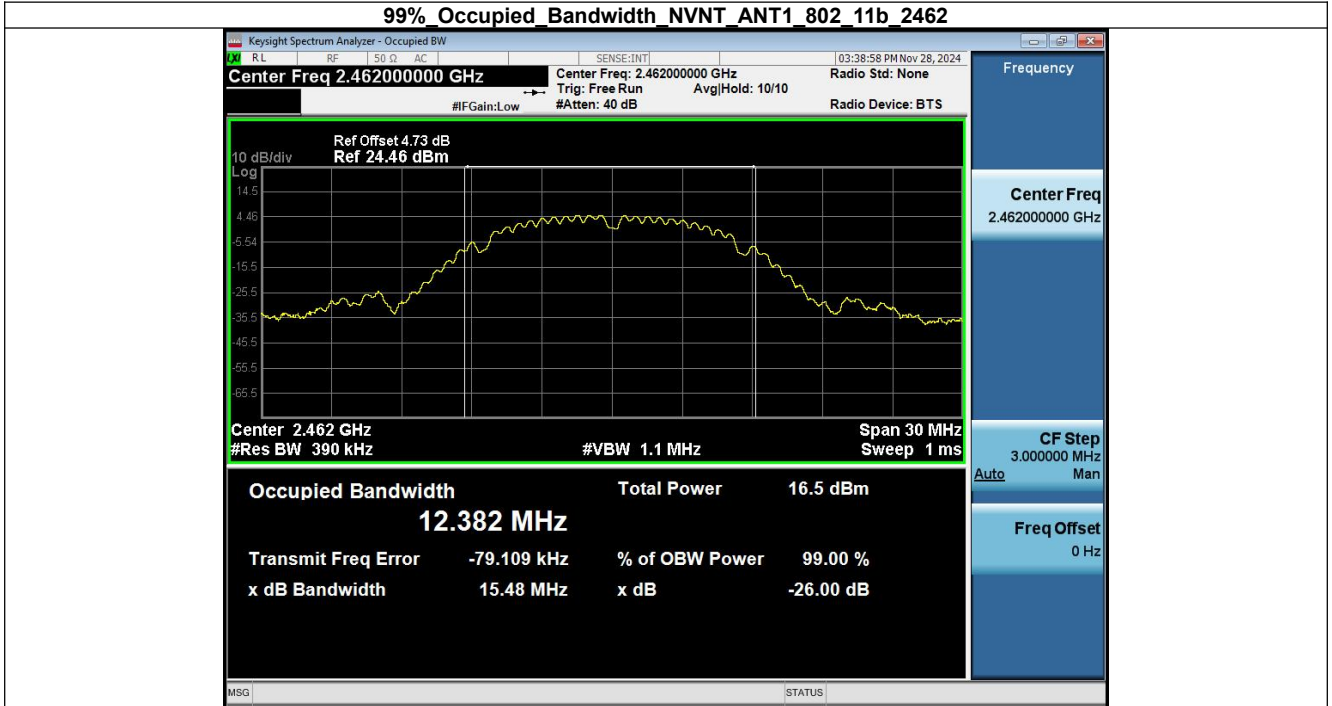
| Condition | Antenna | Modulation | Frequency (MHz) | 99% BW (MHz) |
|-----------|---------|---------------|-----------------|--------------|
| NVNT | ANT1 | 802.11b | 2412.00 | 12.007 |
| NVNT | ANT1 | 802.11b | 2437.00 | 11.916 |
| NVNT | ANT1 | 802.11b | 2462.00 | 12.382 |
| NVNT | ANT1 | 802.11g | 2412.00 | 17.745 |
| NVNT | ANT1 | 802.11g | 2437.00 | 17.078 |
| NVNT | ANT1 | 802.11g | 2462.00 | 17.145 |
| NVNT | ANT1 | 802.11n(HT20) | 2412.00 | 17.745 |
| NVNT | ANT1 | 802.11n(HT20) | 2437.00 | 17.827 |
| NVNT | ANT1 | 802.11n(HT20) | 2462.00 | 17.871 |
| NVNT | ANT1 | 802.11n(HT40) | 2422.00 | 36.285 |
| NVNT | ANT1 | 802.11n(HT40) | 2437.00 | 36.302 |
| NVNT | ANT1 | 802.11n(HT40) | 2452.00 | 36.517 |



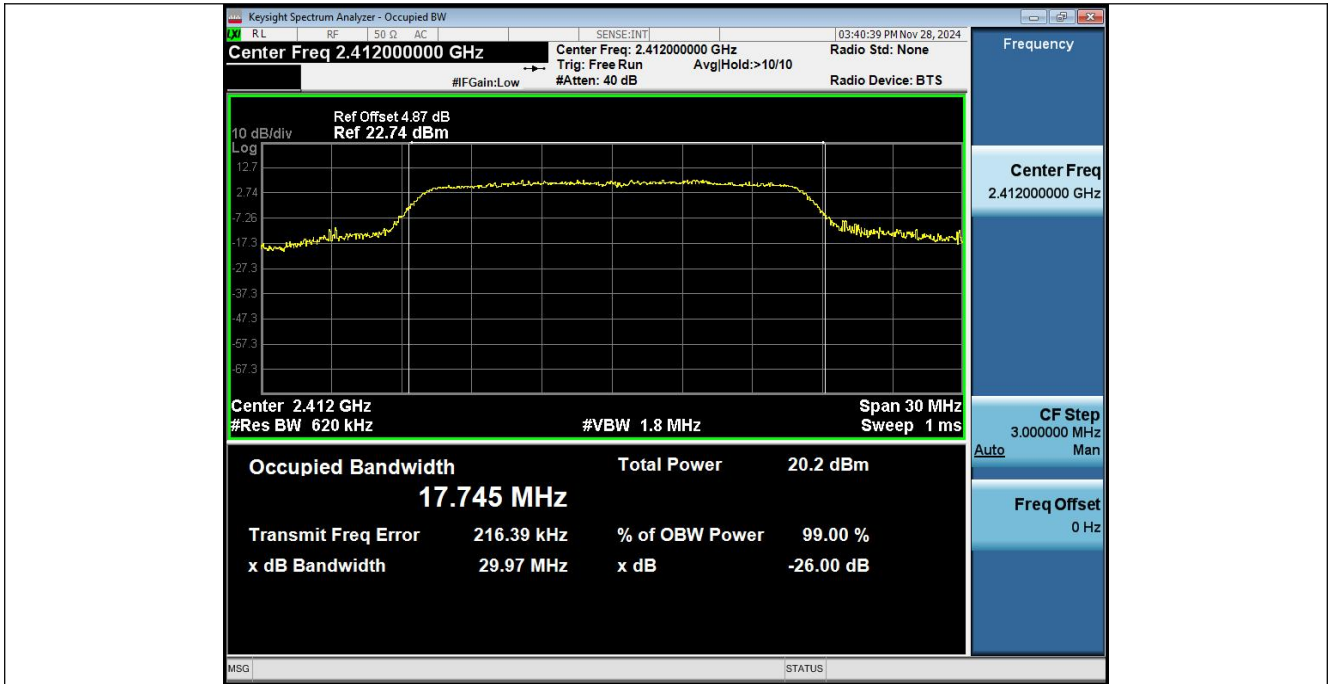
99% Occupied Bandwidth NVNT ANT1 802_11b 2437



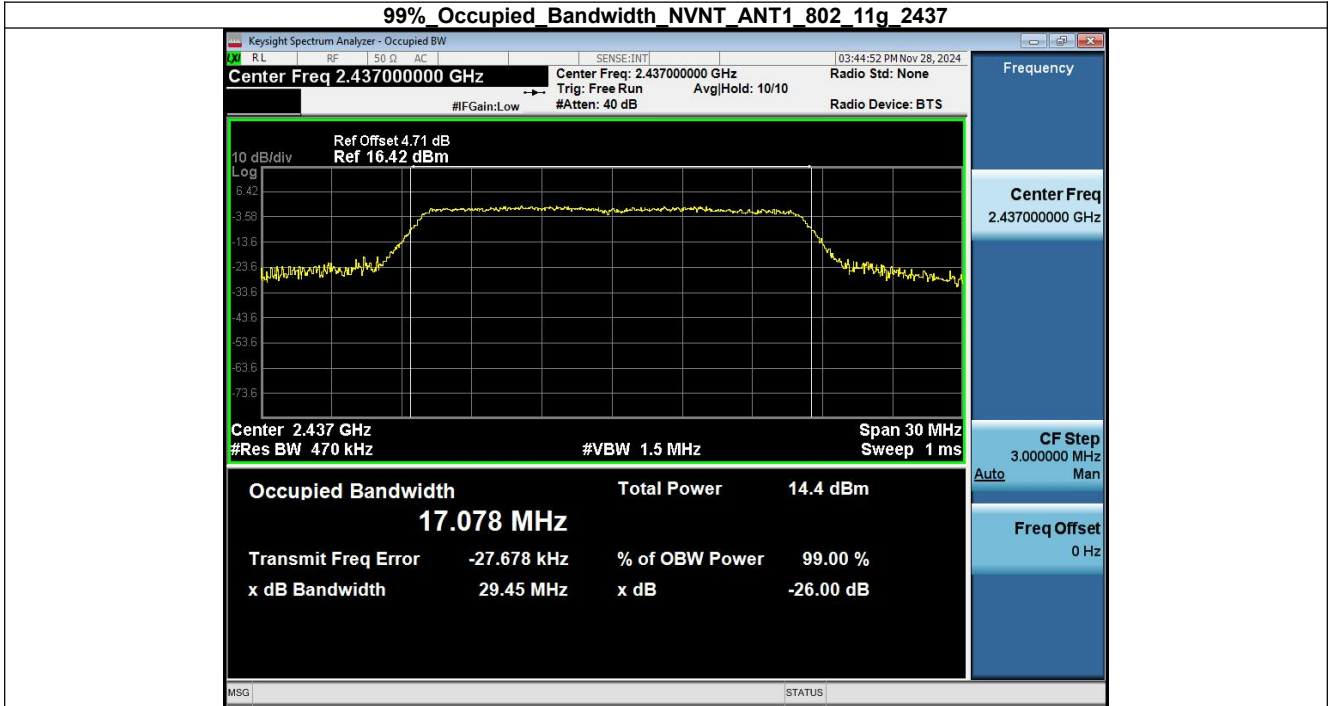
99% Occupied Bandwidth_NVNT_ANT1_802_11b_2462



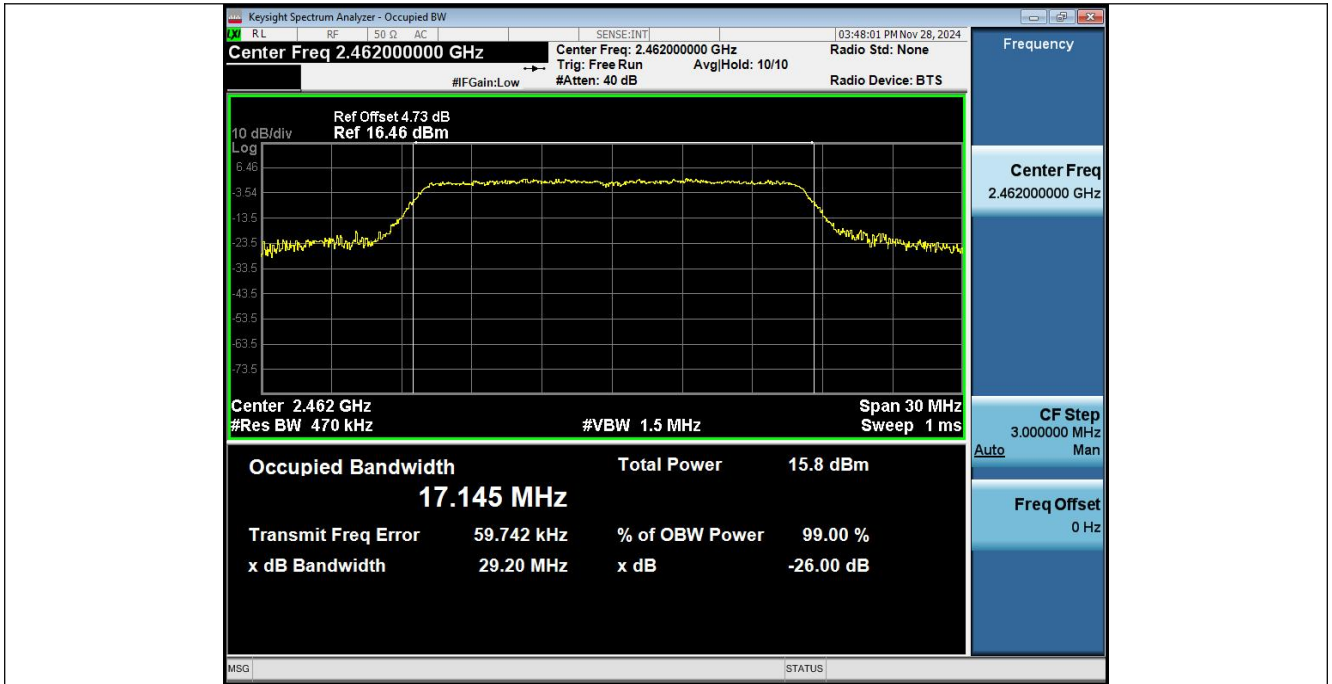
99% Occupied Bandwidth_NVNT_ANT1_802_11g_2412



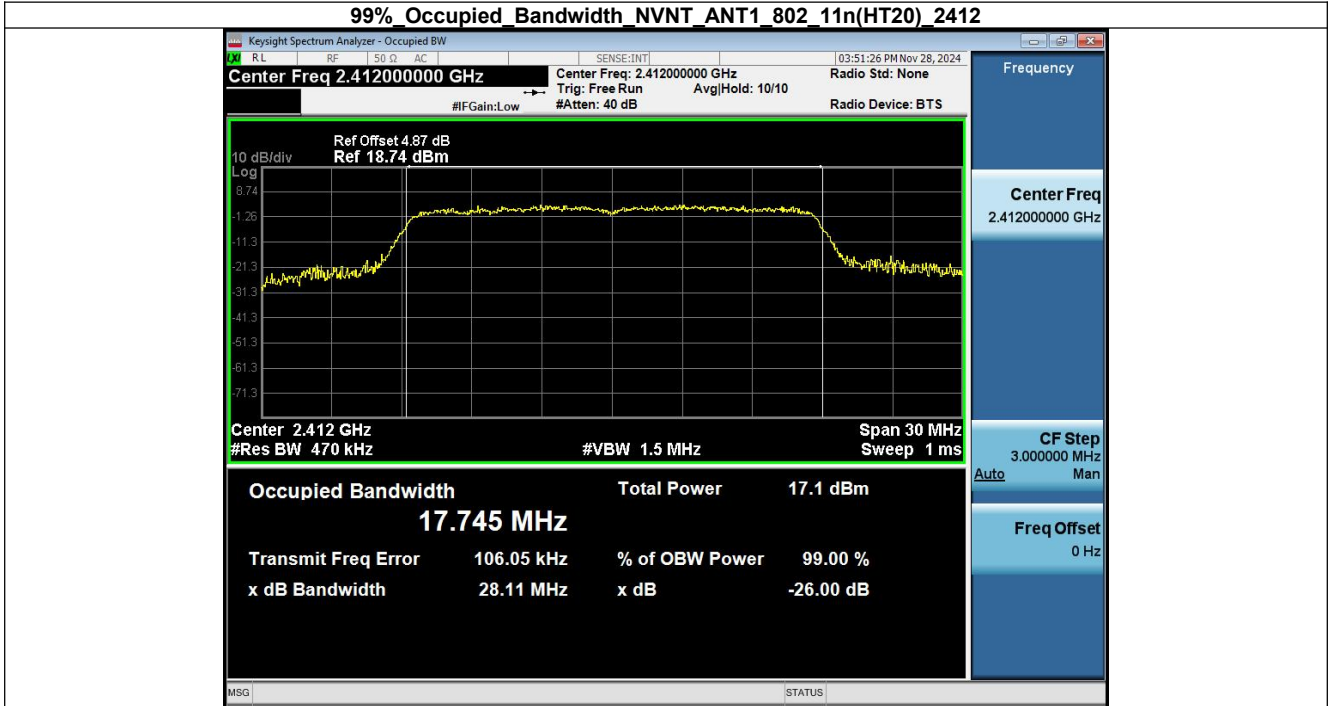
99% Occupied Bandwidth_NVNT_ANT1_802_11g_2437



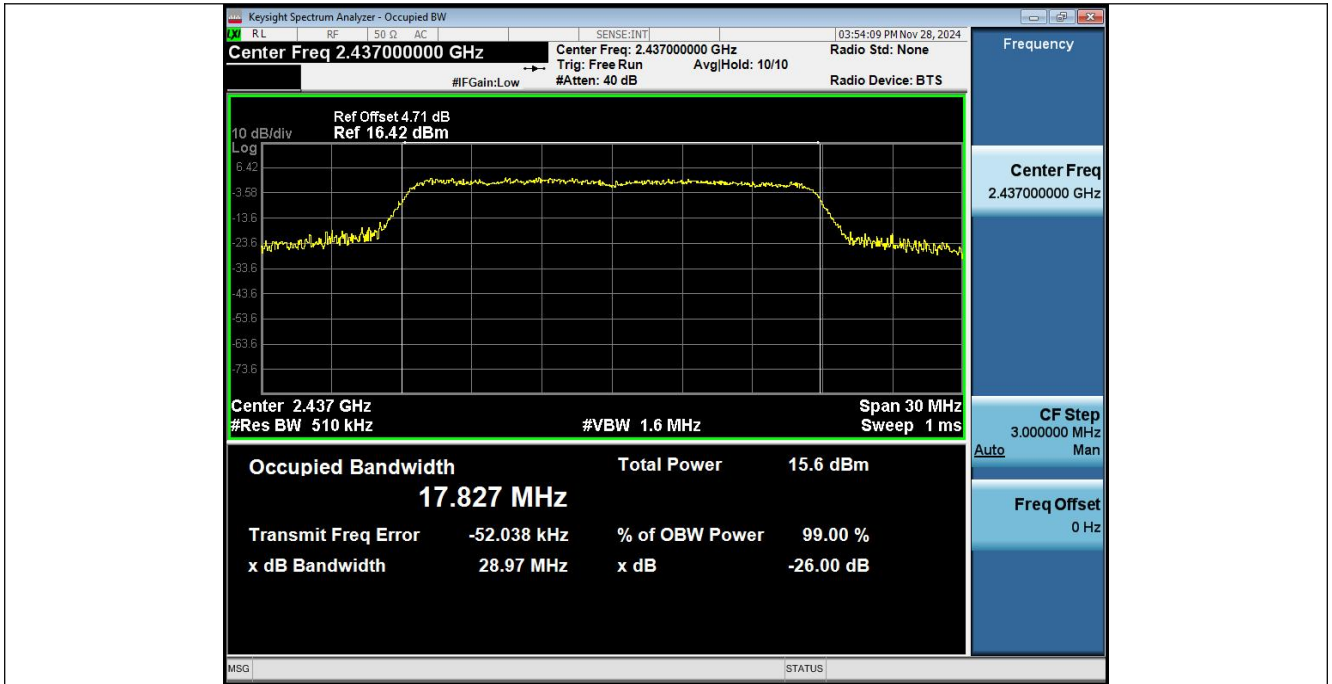
99% Occupied Bandwidth_NVNT_ANT1_802_11g_2462



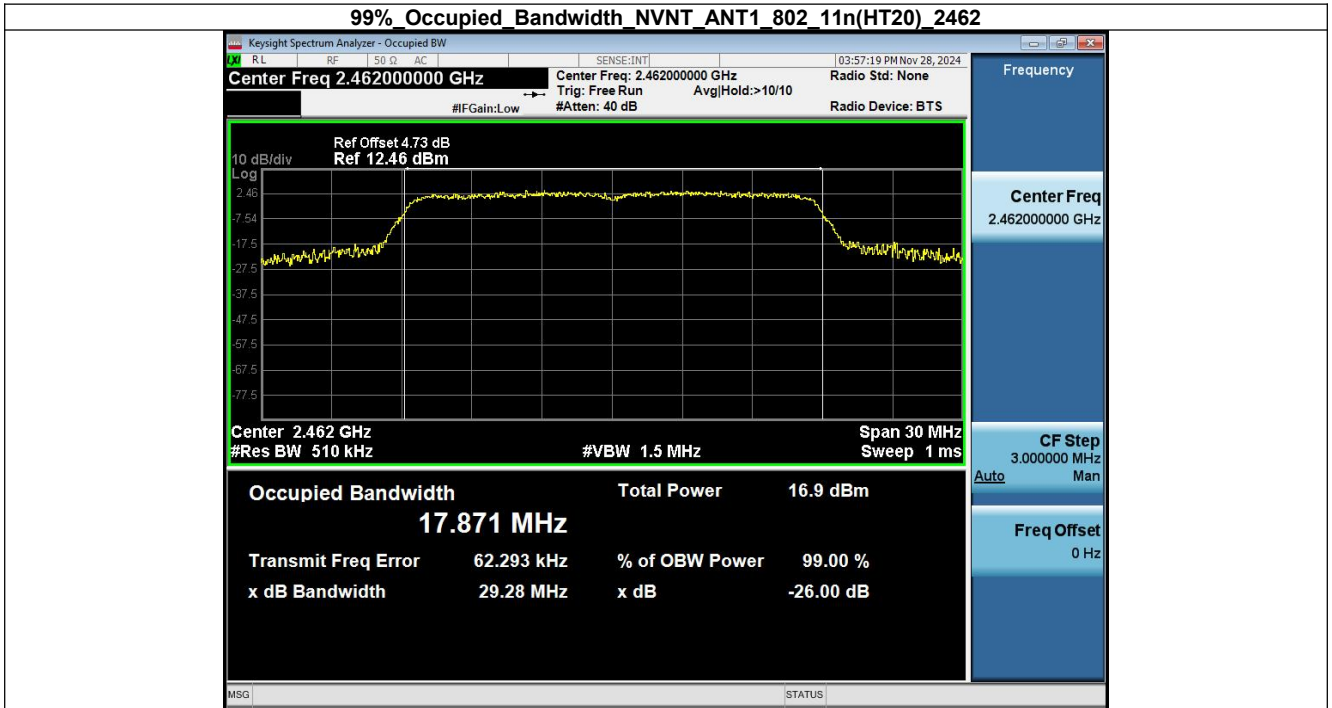
99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



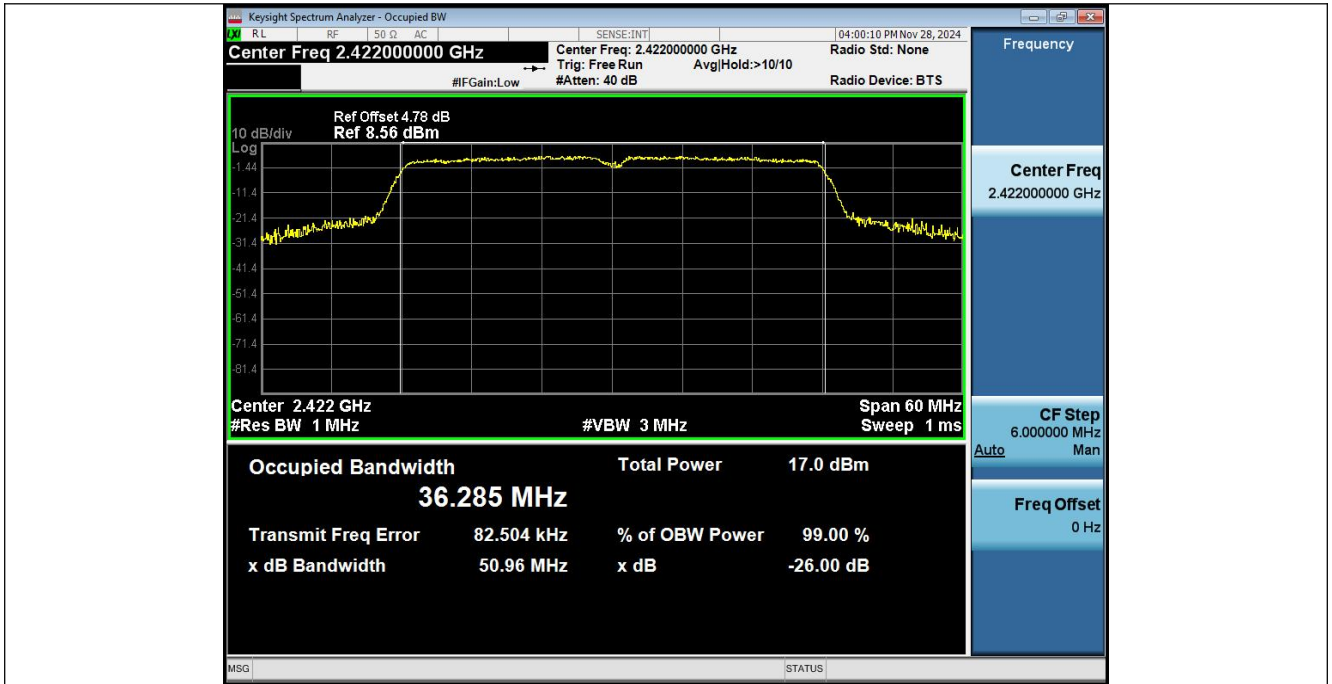
99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



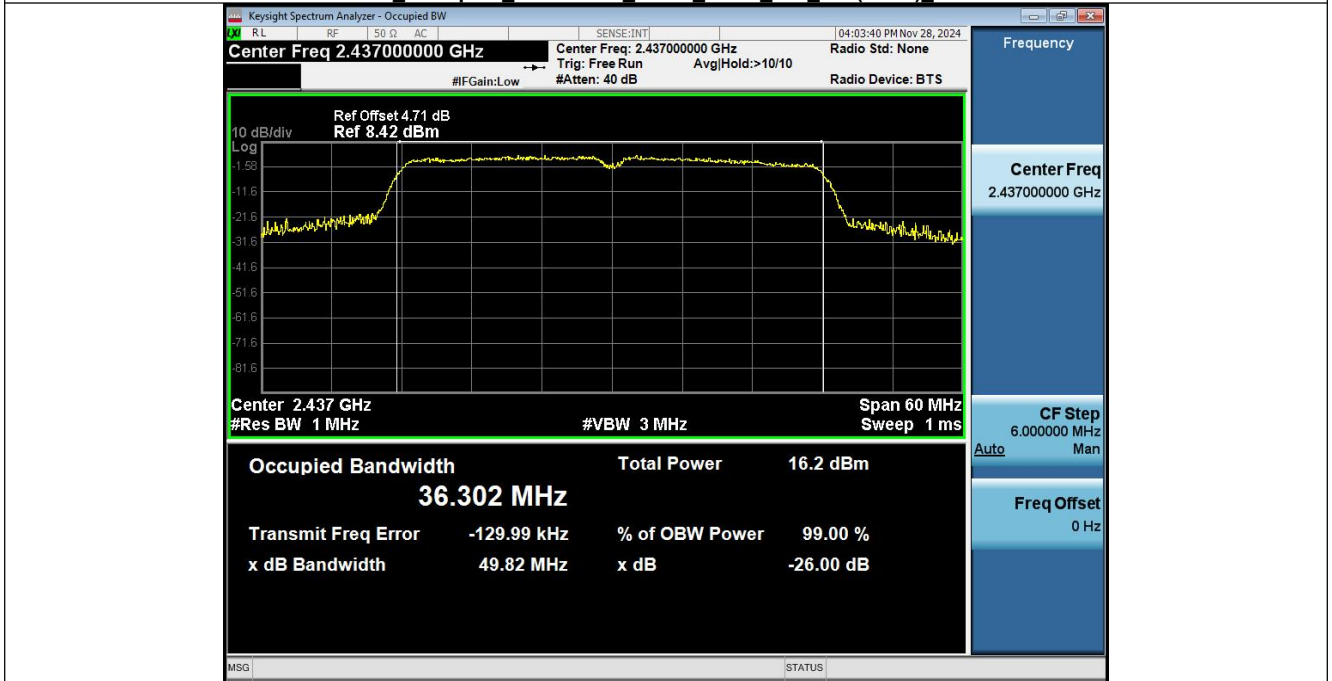
99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



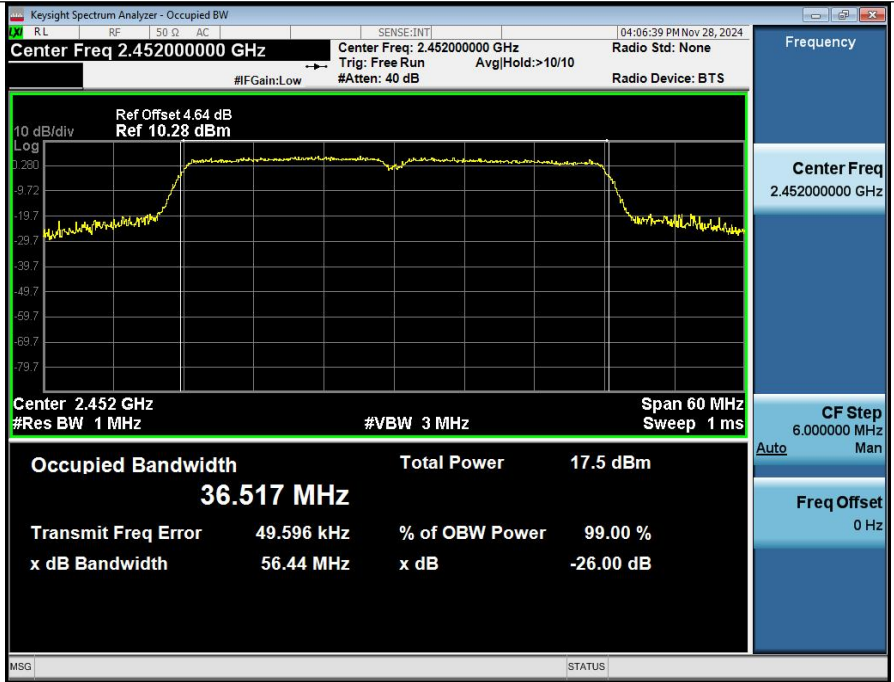
99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

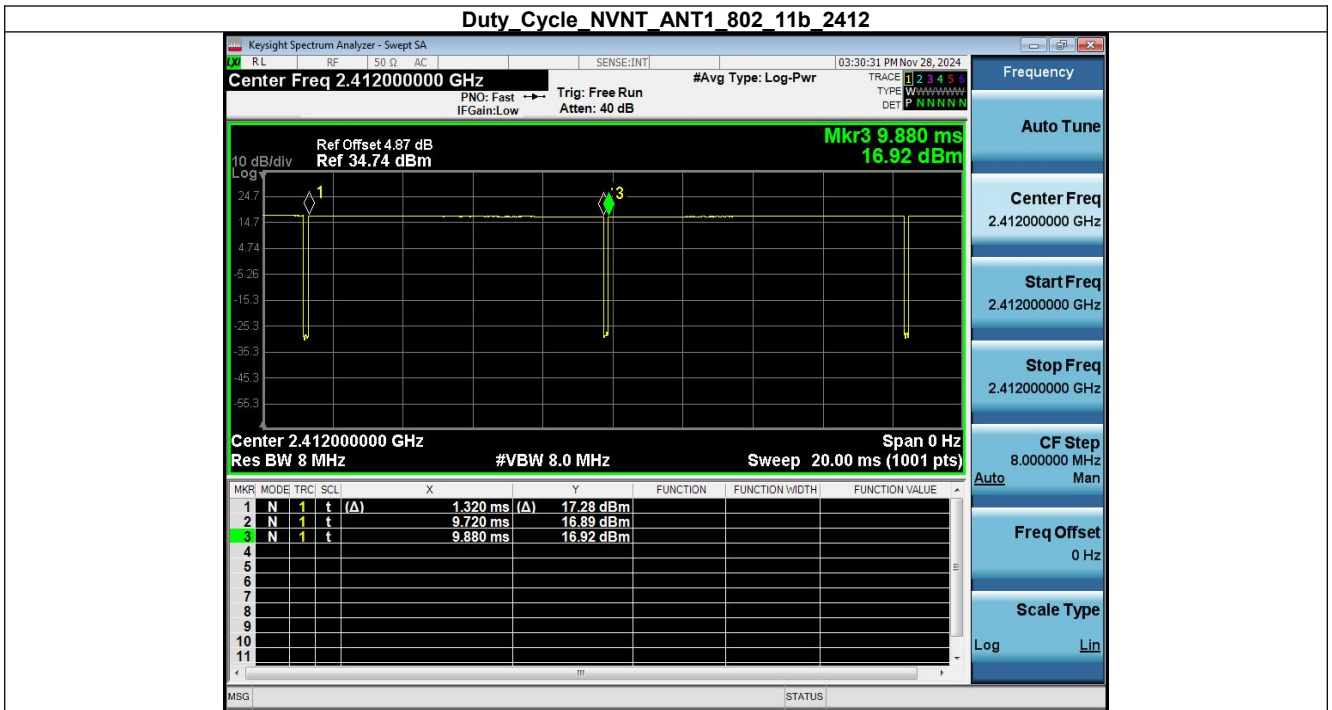


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

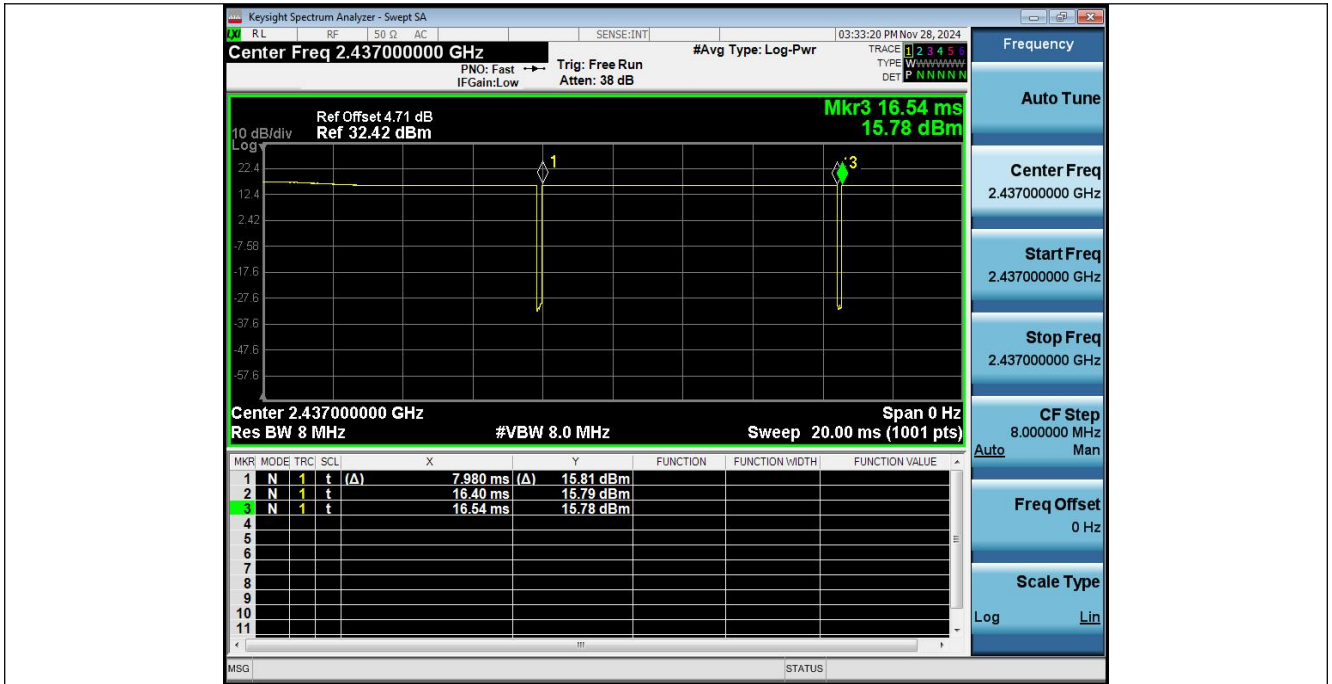


3. Duty Cycle

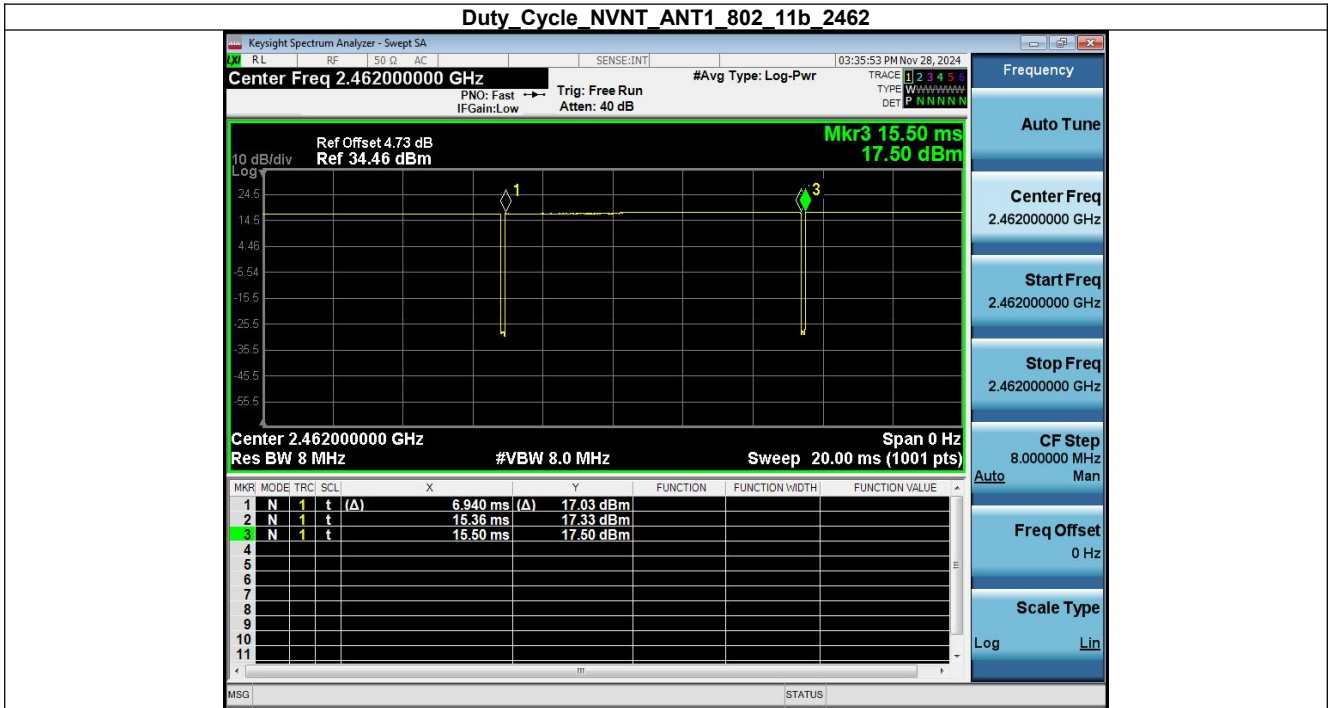
| Condition | Antenna | Modulation | Frequency (MHz) | Duty cycle(%) | Duty factor(dB) |
|-----------|---------|---------------|-----------------|---------------|-----------------|
| NVNT | ANT1 | 802.11b | 2412.00 | 98.36 | 0.00 |
| NVNT | ANT1 | 802.11b | 2437.00 | 98.60 | 0.00 |
| NVNT | ANT1 | 802.11b | 2462.00 | 98.60 | 0.00 |
| NVNT | ANT1 | 802.11g | 2412.00 | 90.91 | 0.41 |
| NVNT | ANT1 | 802.11g | 2437.00 | 90.91 | 0.41 |
| NVNT | ANT1 | 802.11g | 2462.00 | 92.21 | 0.35 |
| NVNT | ANT1 | 802.11n(HT20) | 2412.00 | 90.91 | 0.41 |
| NVNT | ANT1 | 802.11n(HT20) | 2437.00 | 90.91 | 0.41 |
| NVNT | ANT1 | 802.11n(HT20) | 2462.00 | 90.91 | 0.41 |
| NVNT | ANT1 | 802.11n(HT40) | 2422.00 | 78.38 | 1.06 |
| NVNT | ANT1 | 802.11n(HT40) | 2437.00 | 81.08 | 0.91 |
| NVNT | ANT1 | 802.11n(HT40) | 2452.00 | 83.78 | 0.77 |



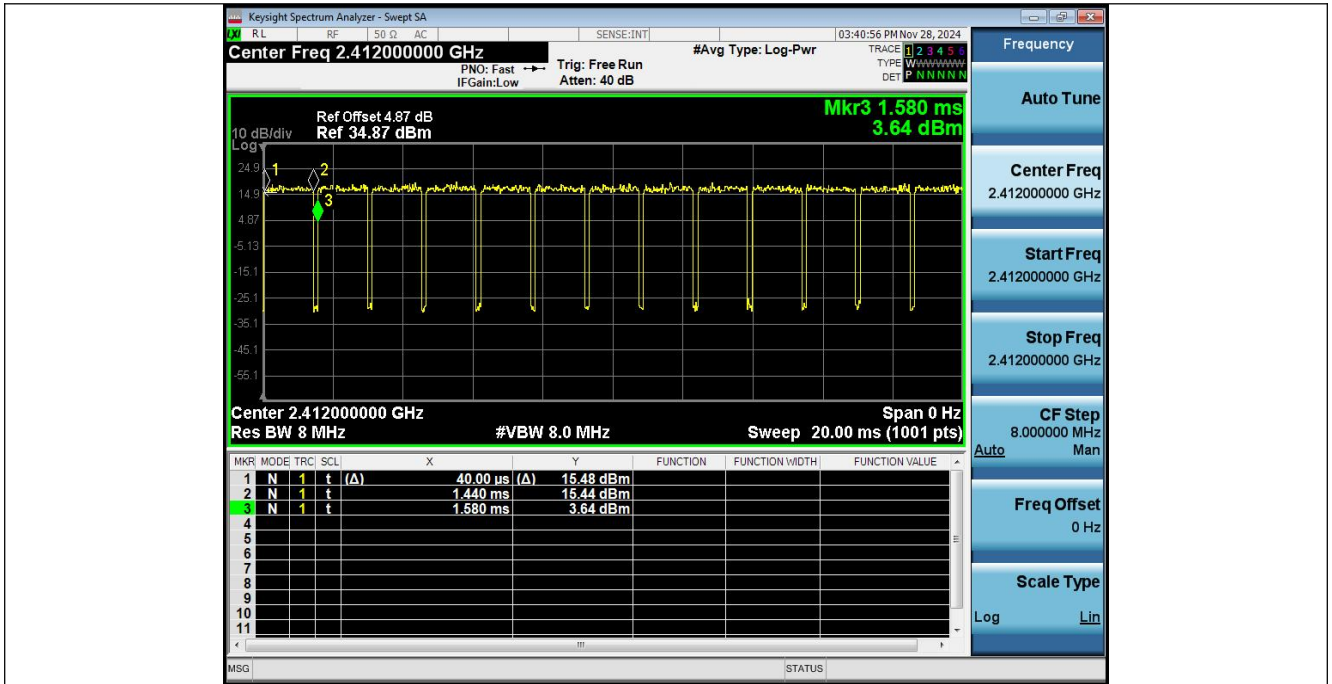
Duty Cycle NVNT ANT1 802_11b_2437



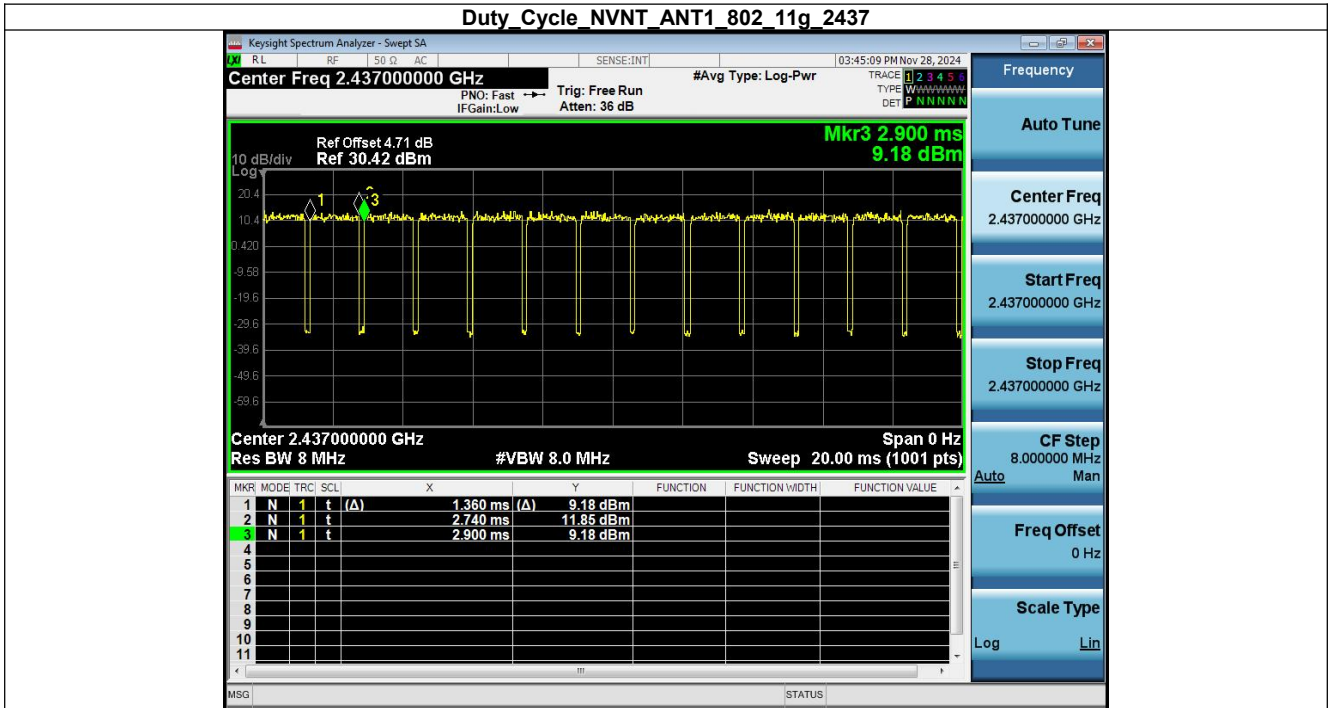
Duty Cycle NVNT_ANT1_802_11b_2462



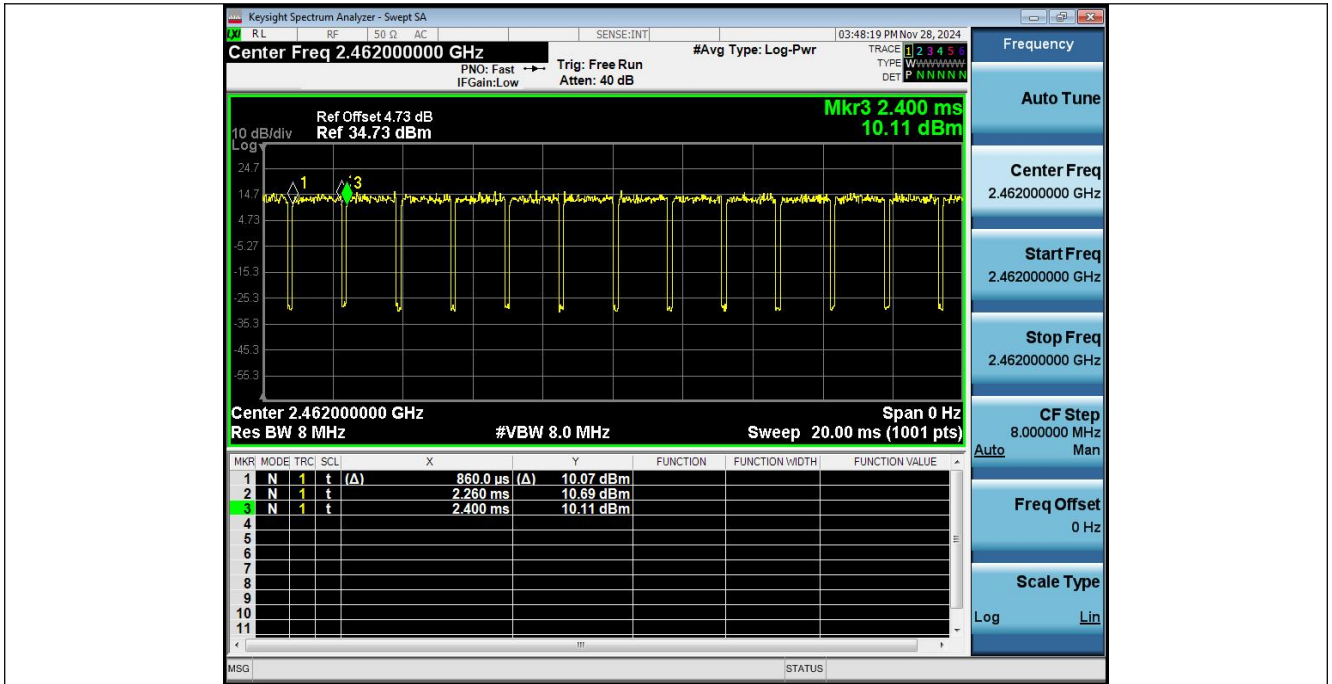
Duty Cycle NVNT_ANT1_802_11g_2412



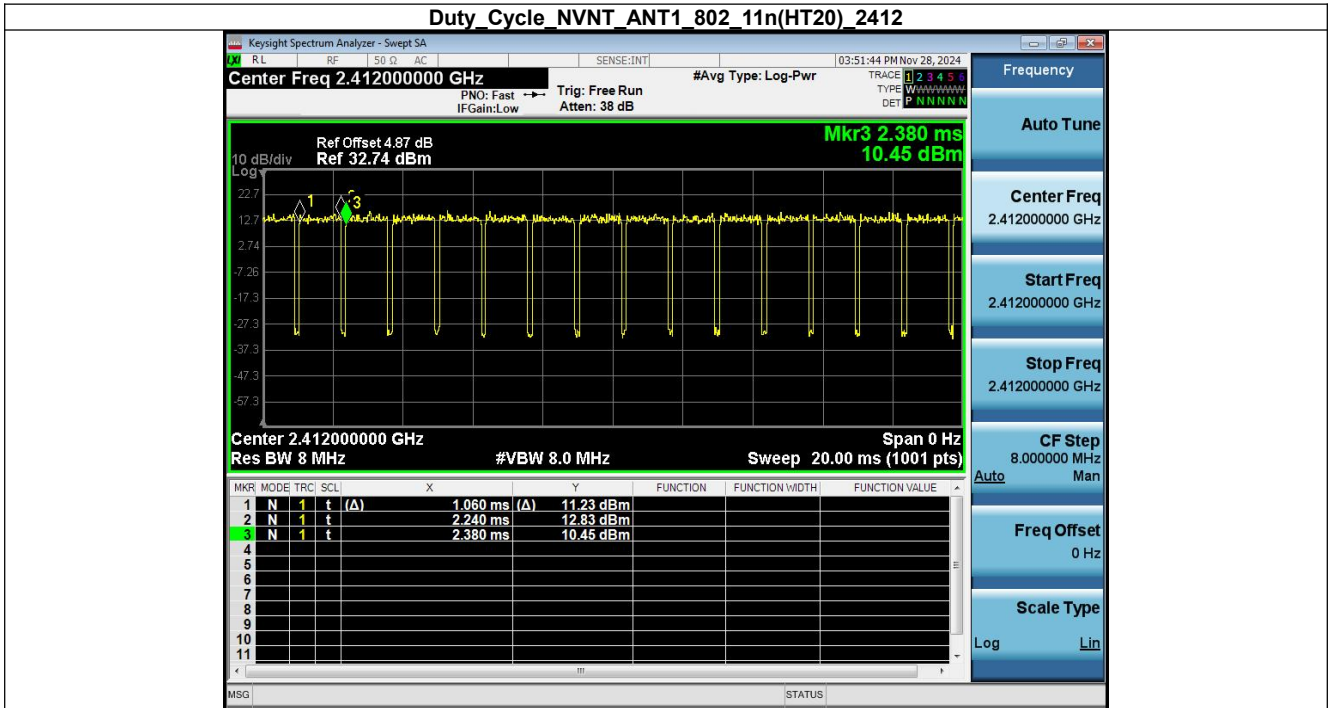
Duty Cycle NVNT_ANT1_802_11g_2437



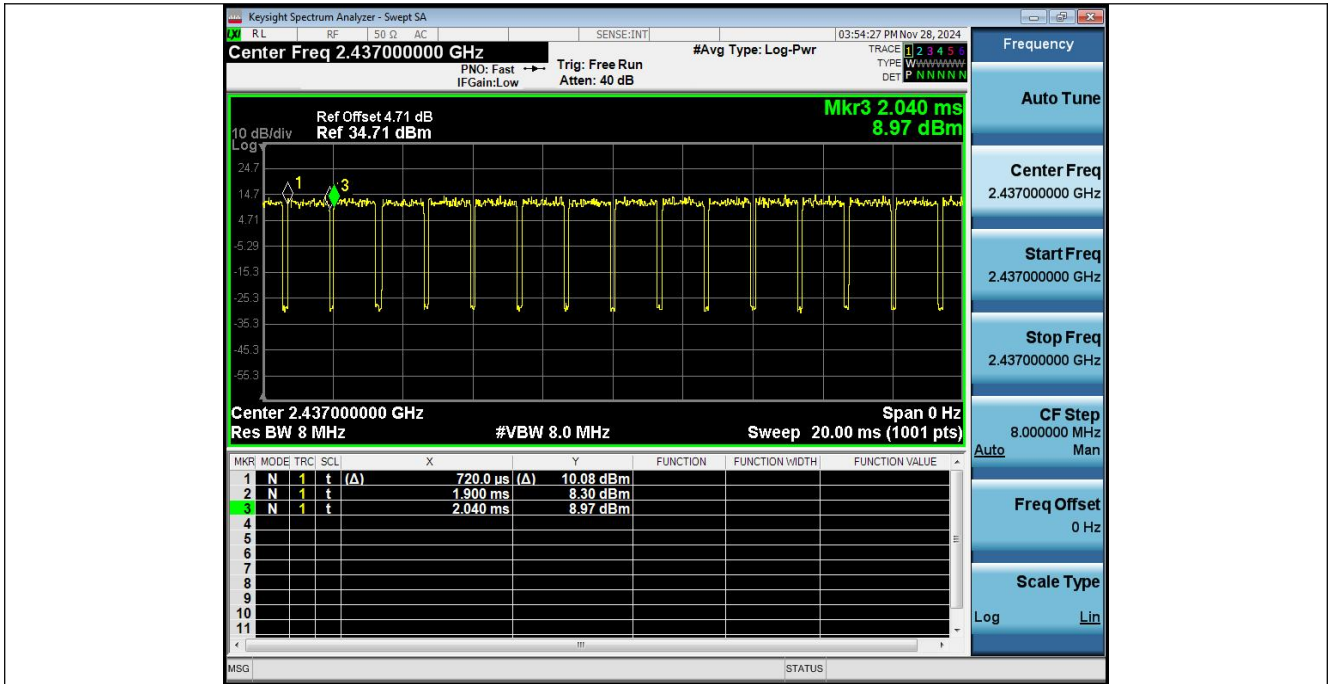
Duty Cycle NVNT_ANT1_802_11g_2462



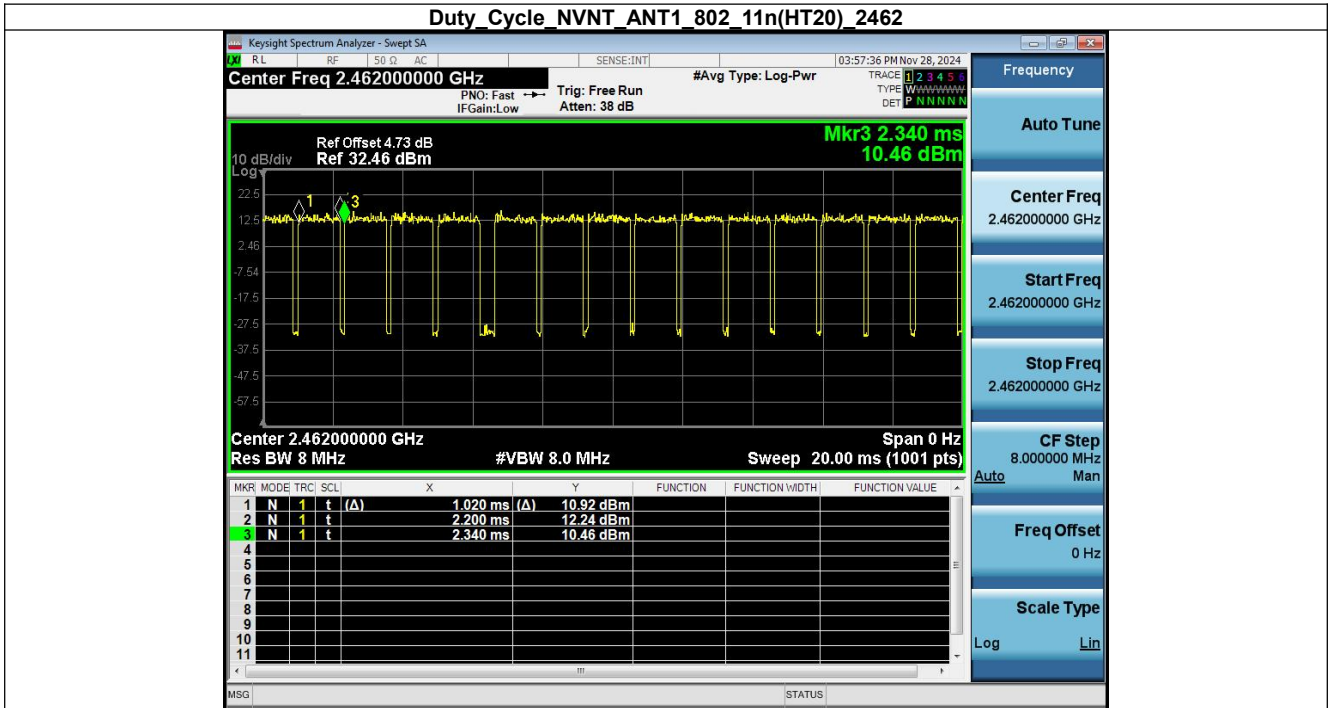
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



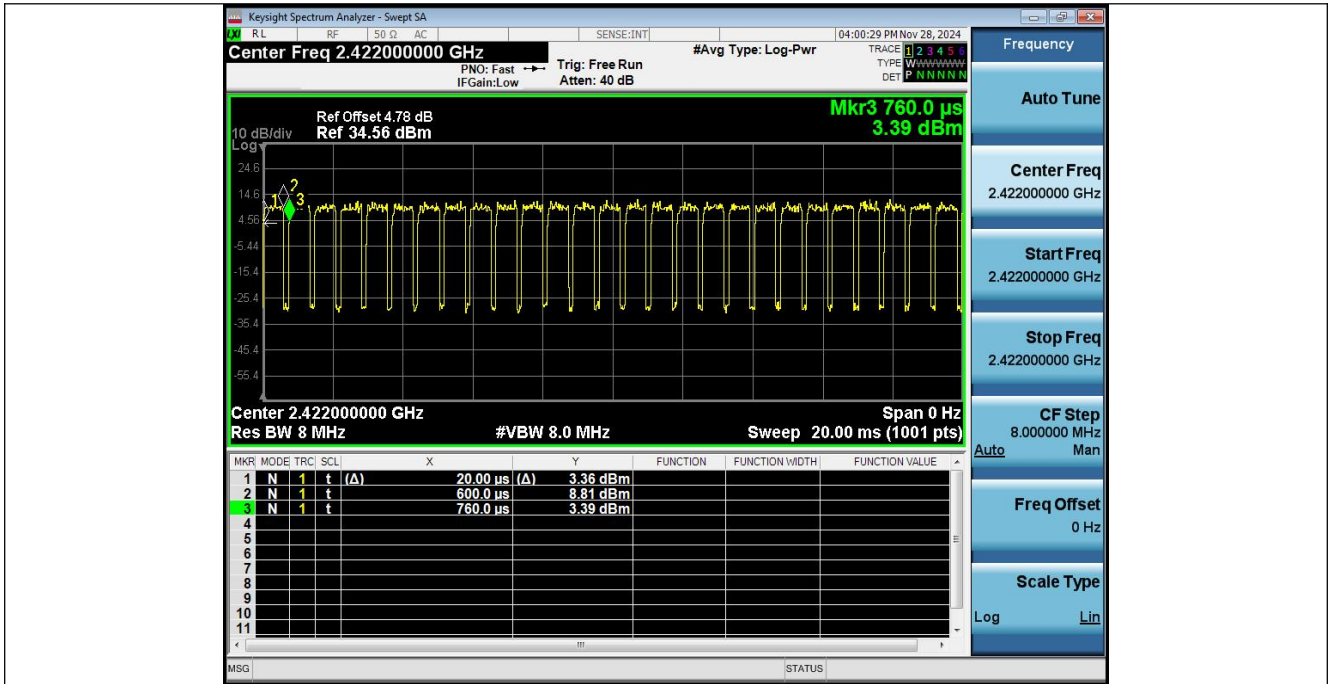
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



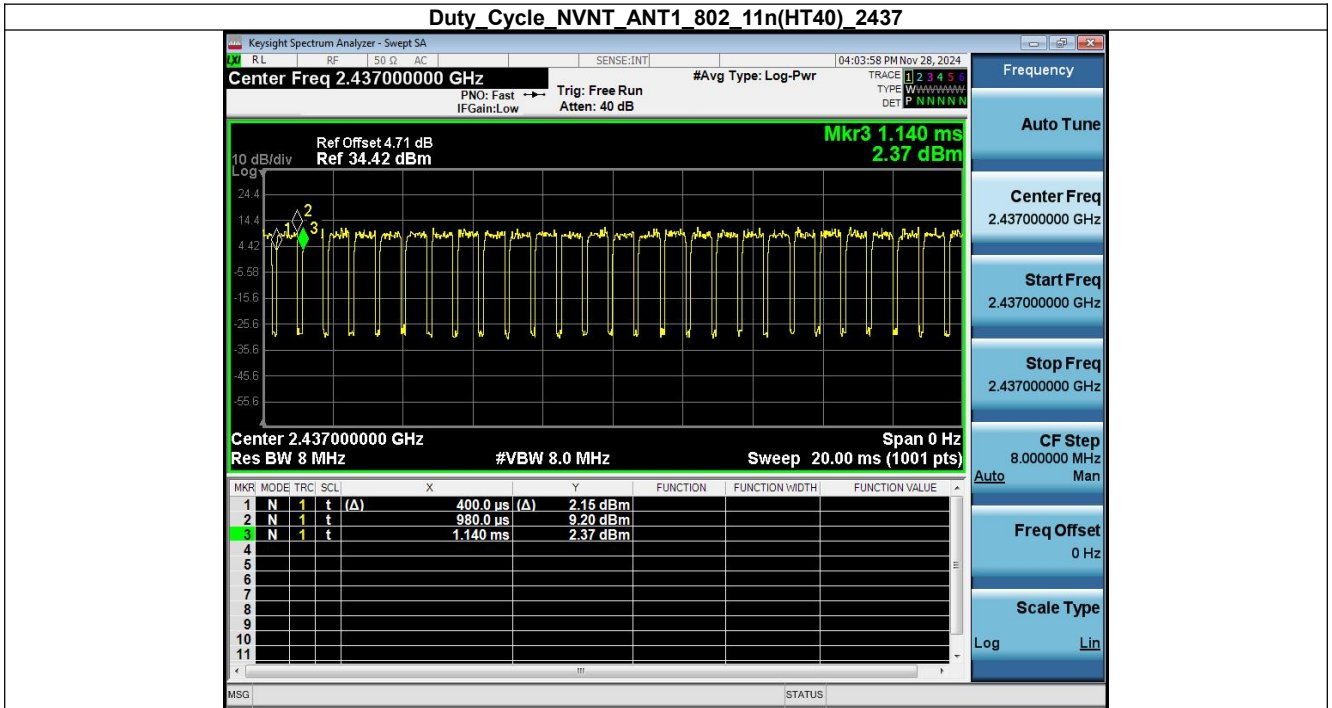
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



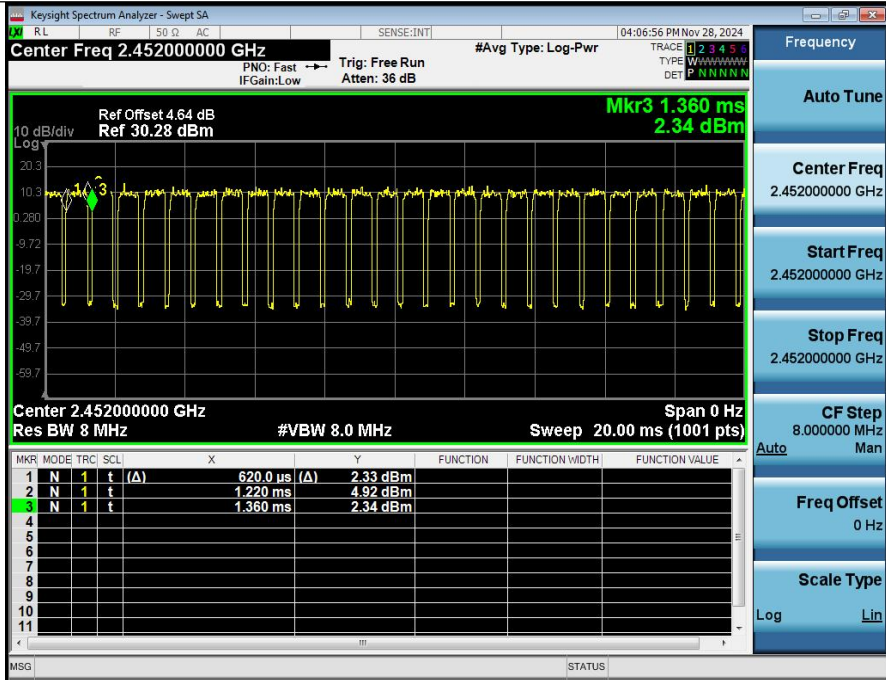
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2422



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 | 8.68 | 30 | Pass |
| NVNT | ANT1 | 802.11b | 2462.00 | Peak | 8.94 | 30 | Pass |
| NVNT | ANT1 | 802.11g | 2412.00 | Peak | 7.60 | 30 | Pass |
| NVNT | ANT1 | 802.11g | 2437.00 | Peak | 7.00 | 30 | Pass |
| NVNT | ANT1 | 802.11g | 2462.00 | Peak | 7.41 | 30 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2412.00 | Peak | 7.53 | 30 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2437.00 | Peak | 7.97 | 30 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2462.00 | Peak | 7.34 | 30 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2422.00 | Peak | 7.06 | 30 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2437.00 | Peak | 7.06 | 30 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2452.00 | Peak | 7.53 | 30 | Pass |

5. 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 | 1.46 | N/A | -10.00 | -8.54 | 8 | Pass |
| NVNT | ANT1 | 802.11b | 2437.00 | -0.56 | N/A | -10.00 | -10.56 | 8 | Pass |
| NVNT | ANT1 | 802.11b | 2462.00 | 0.93 | N/A | -10.00 | -9.07 | 8 | Pass |
| NVNT | ANT1 | 802.11g | 2412.00 | -1.55 | N/A | -10.00 | -11.55 | 8 | Pass |
| NVNT | ANT1 | 802.11g | 2437.00 | -7.97 | N/A | -10.00 | -17.97 | 8 | Pass |
| NVNT | ANT1 | 802.11g | 2462.00 | -6.22 | N/A | -10.00 | -16.22 | 8 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2412.00 | -6.87 | N/A | -10.00 | -16.87 | 8 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2437.00 | -8.48 | N/A | -10.00 | -18.48 | 8 | Pass |
| NVNT | ANT1 | 802.11n(HT20) | 2462.00 | -7.10 | N/A | -10.00 | -17.10 | 8 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2422.00 | -10.12 | N/A | -10.00 | -20.12 | 8 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2437.00 | -11.04 | N/A | -10.00 | -21.04 | 8 | Pass |
| NVNT | ANT1 | 802.11n(HT40) | 2452.00 | -9.98 | N/A | -10.00 | -19.98 | 8 | Pass |



Power Spectral Density_NVNT_ANT1_802_11b_2437



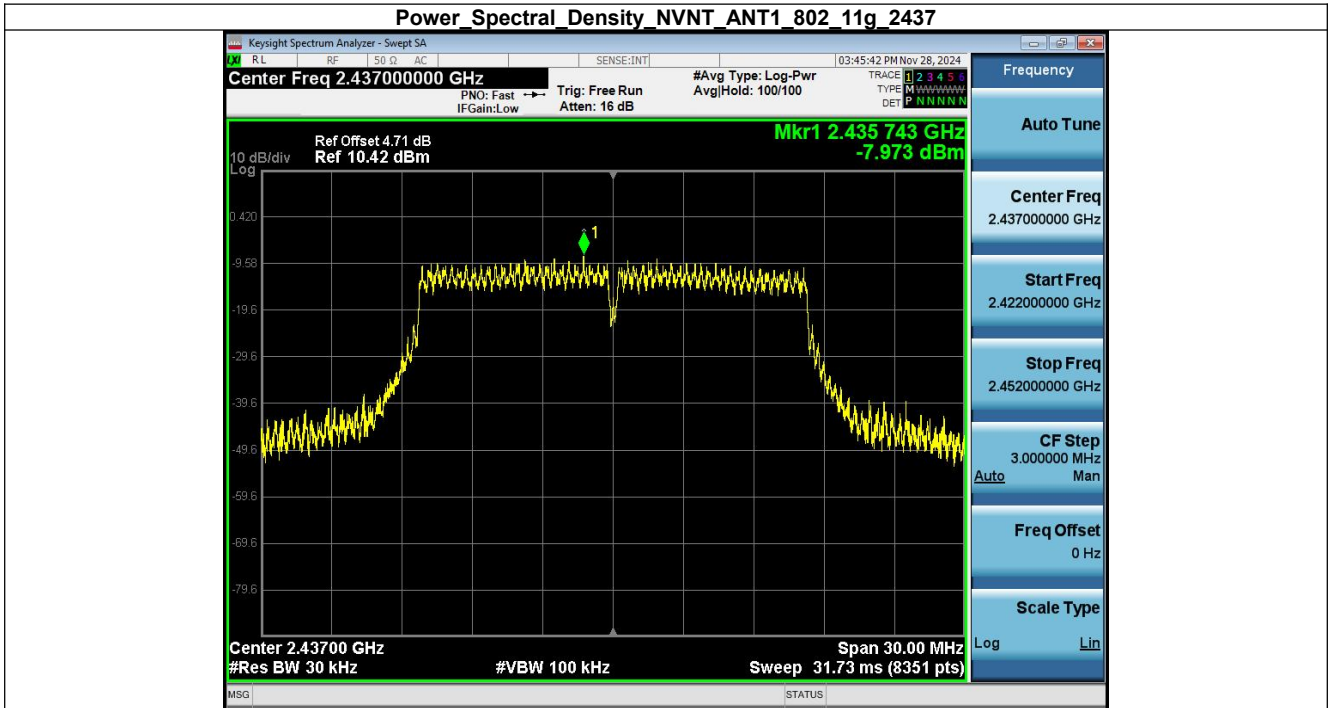
Power_Spectral_Density_NVNT_ANT1_802_11b_2462



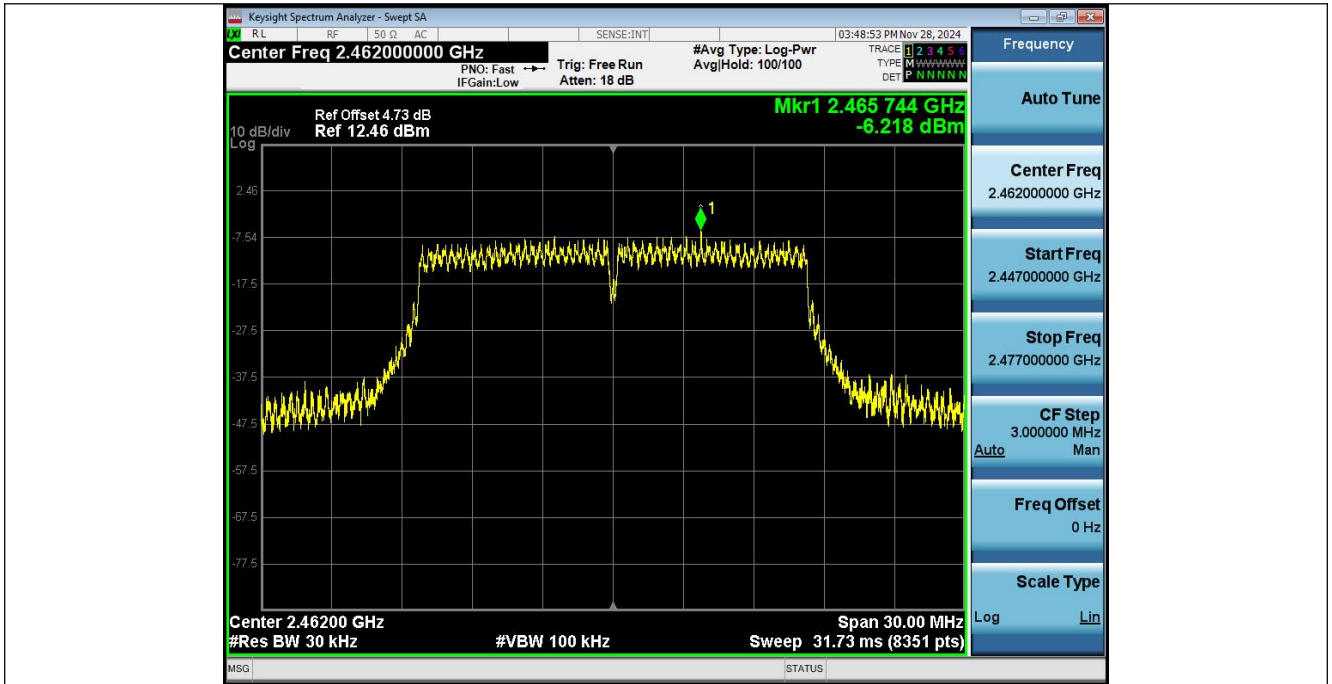
Power_Spectral_Density_NVNT_ANT1_802_11g_2412



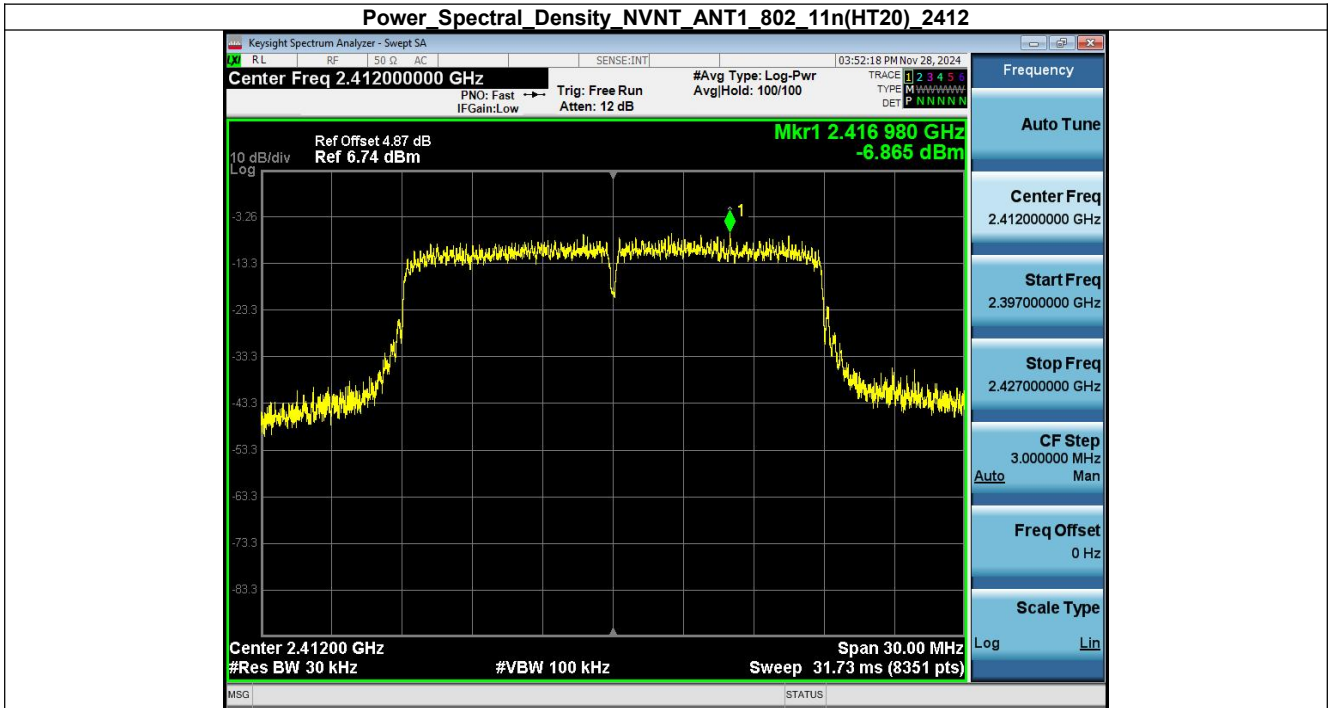
Power_Spectral_Density_NVNT_ANT1_802_11g_2437



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