

Table of Contents

1. -6dB Bandwidth 2

2. 99% Occupied Bandwidth 9

3. Duty Cycle 16

4. MAX. Output Power 23

5. Power Spectral Density 24

6. Bandedge 31

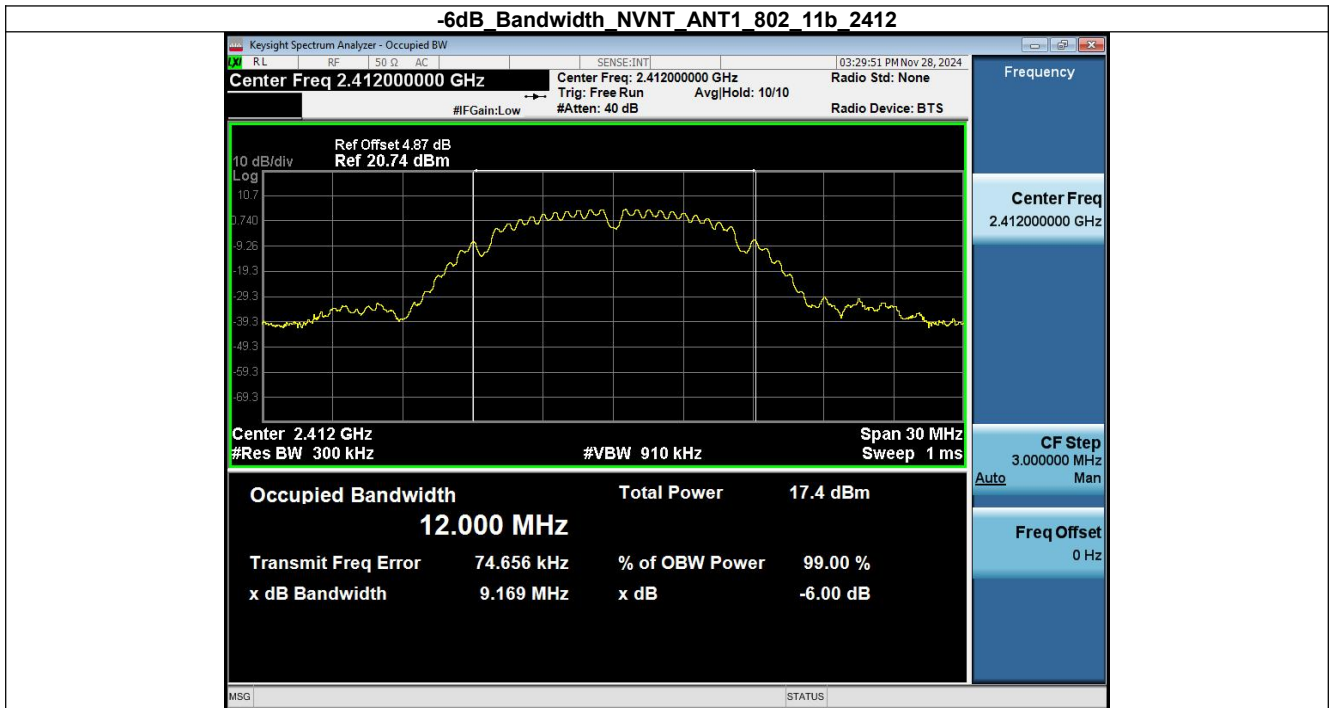
7. Spurious Emission 39

241128 FCC ID WIFI2.4

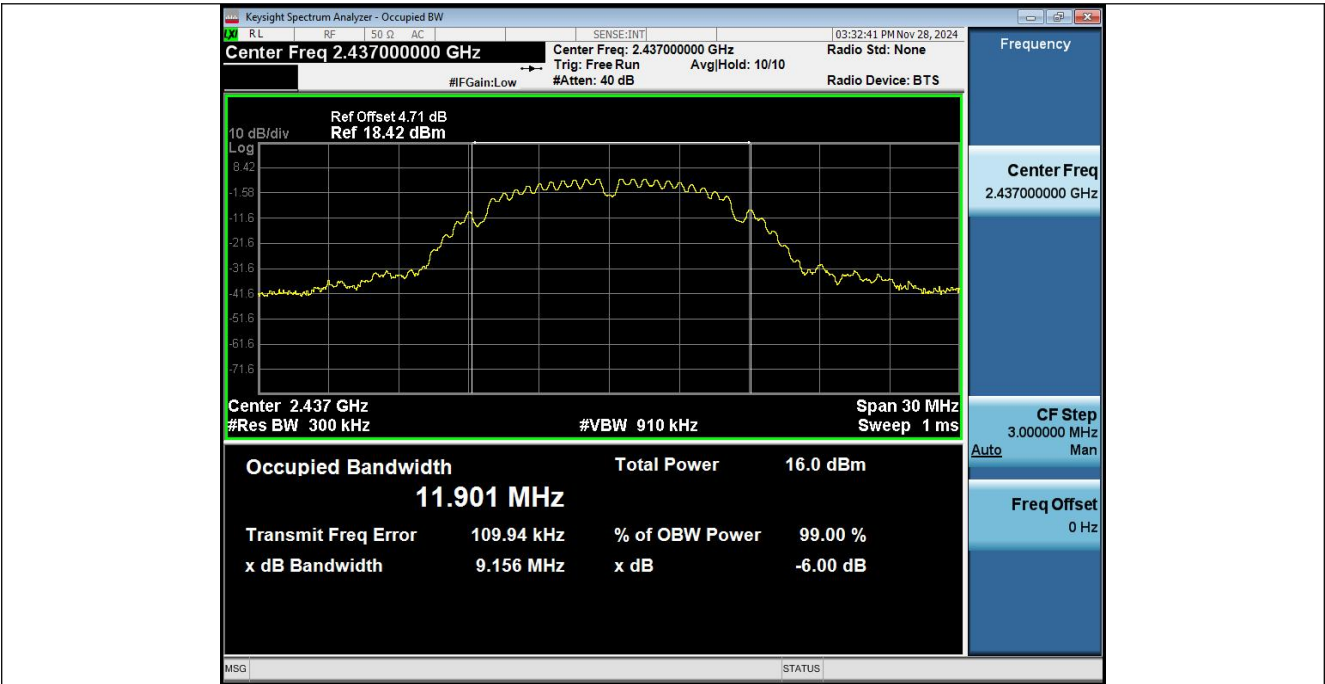
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

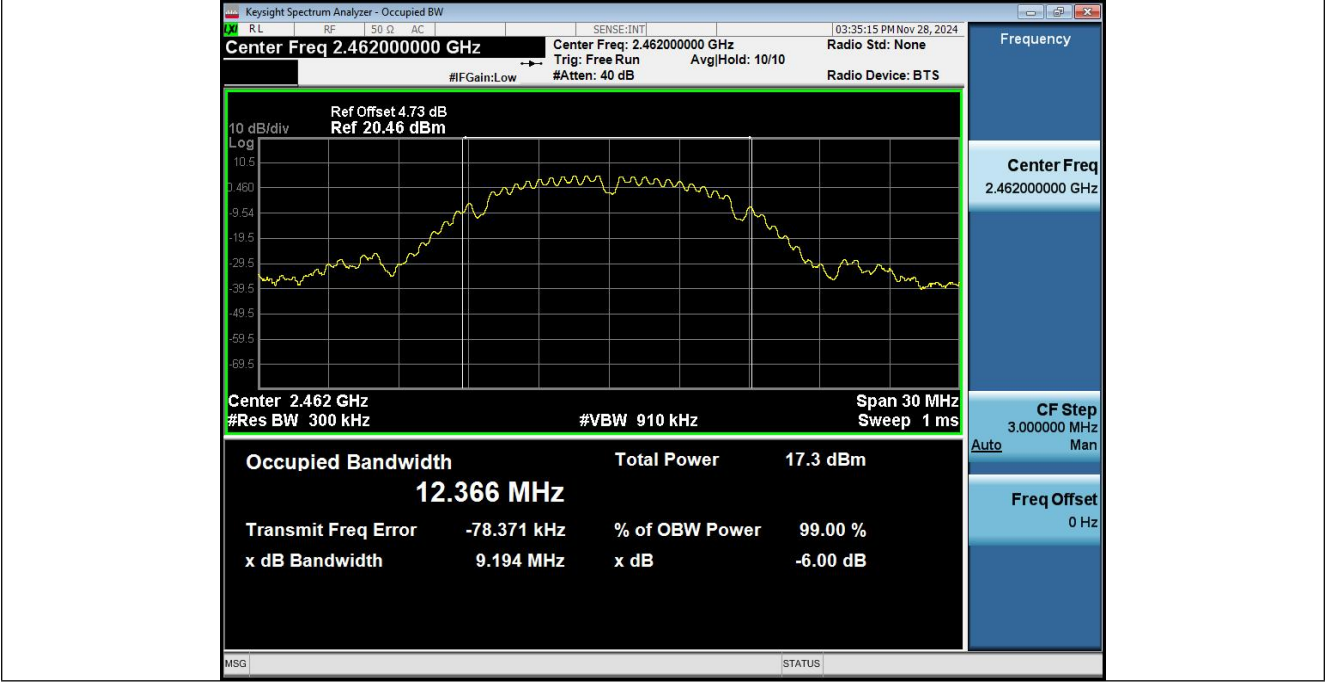
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.17	500	Pass
NVNT	ANT1	802.11b	2437.00	9.16	500	Pass
NVNT	ANT1	802.11b	2462.00	9.19	500	Pass
NVNT	ANT1	802.11g	2412.00	16.42	500	Pass
NVNT	ANT1	802.11g	2437.00	16.48	500	Pass
NVNT	ANT1	802.11g	2462.00	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



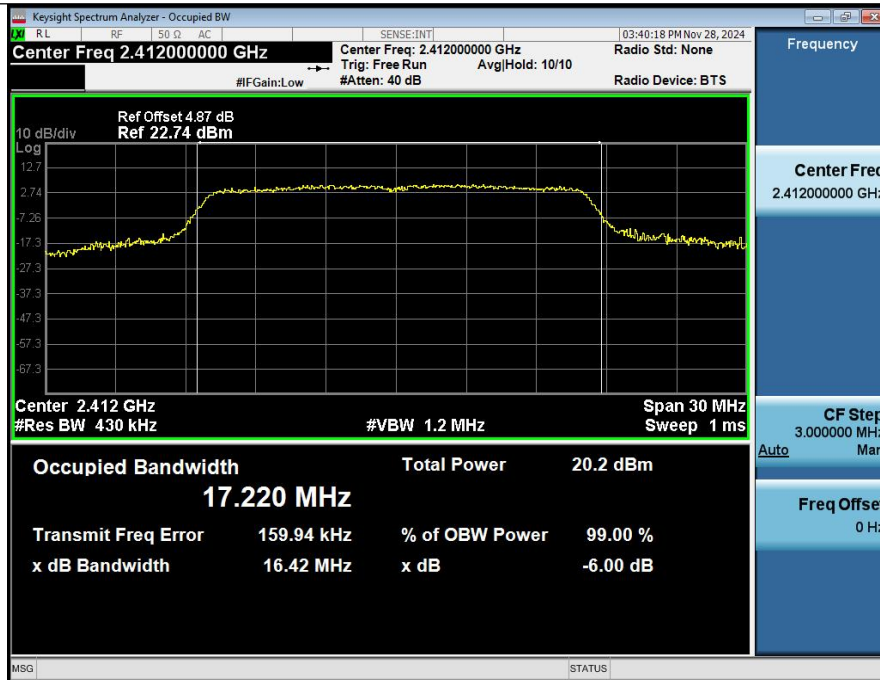
-6dB Bandwidth NVNT ANT1 802 11b 2437



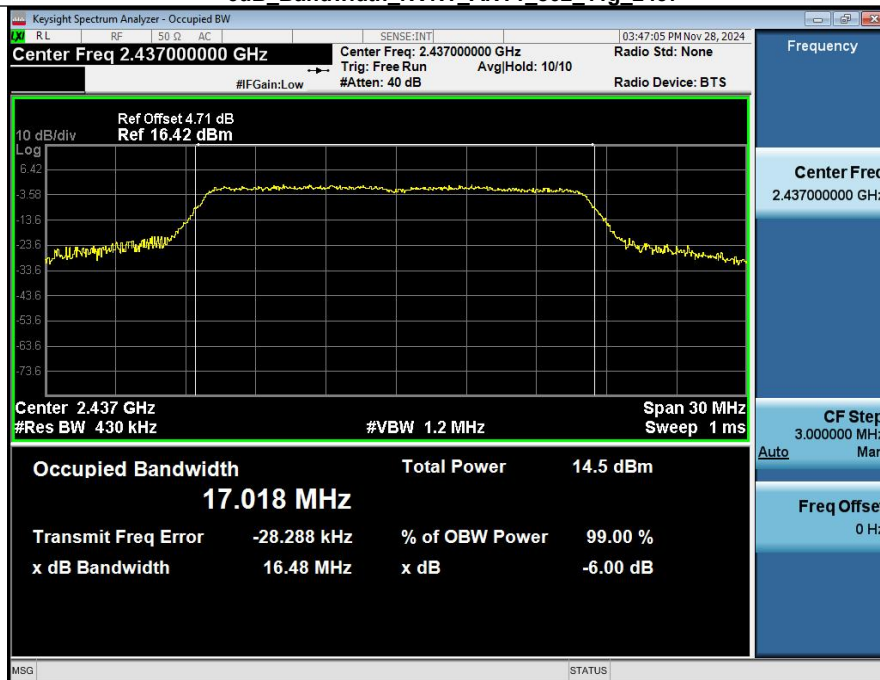
-6dB Bandwidth NVNT_ANT1_802_11b_2462



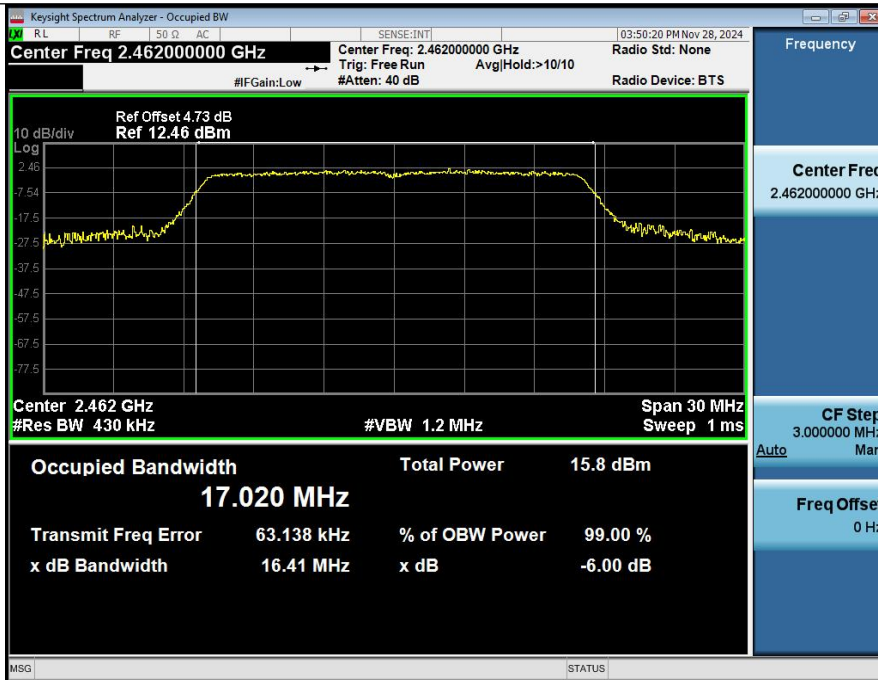
-6dB Bandwidth NVNT_ANT1_802_11g_2412



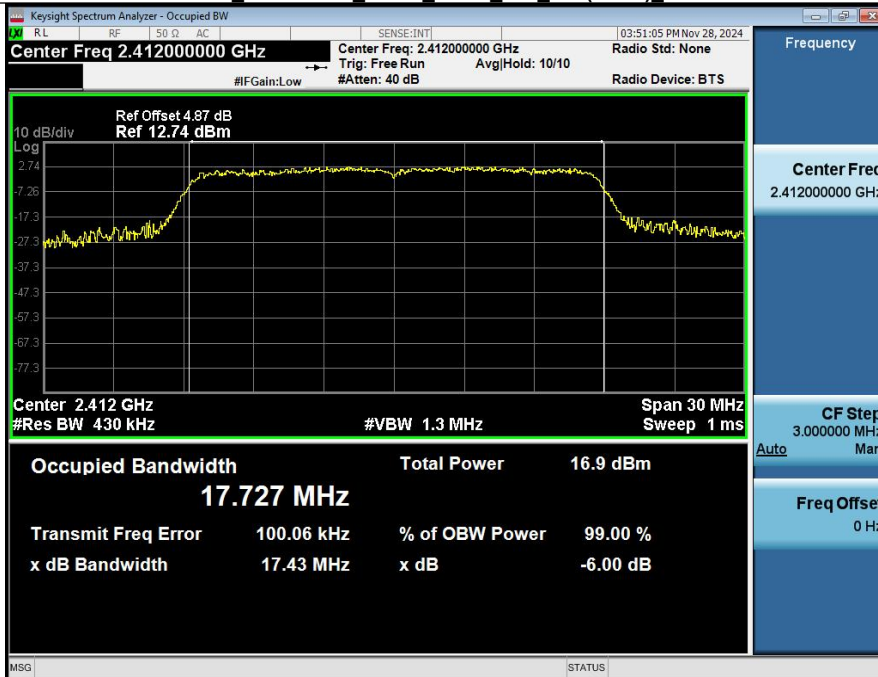
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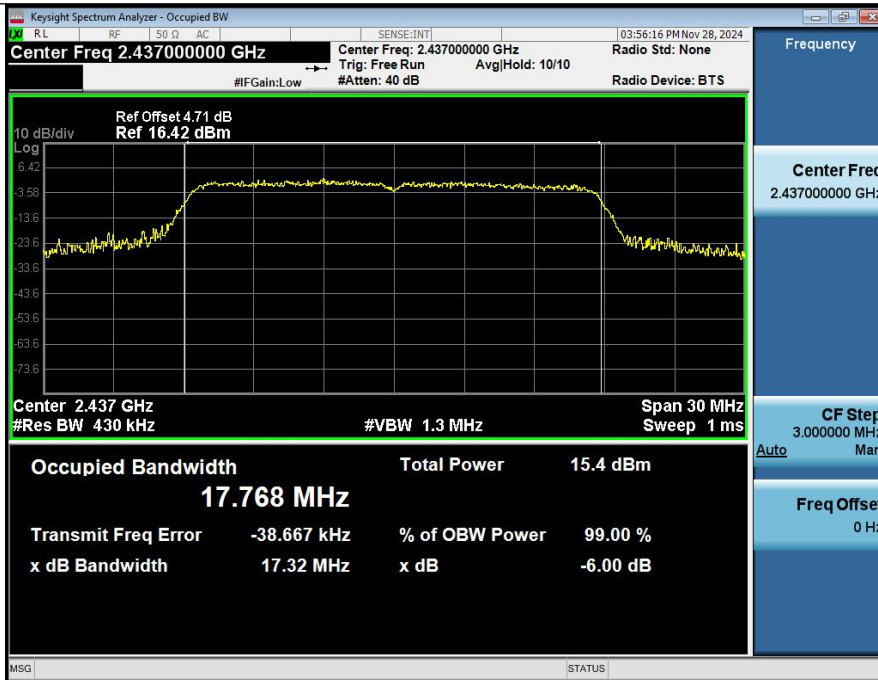
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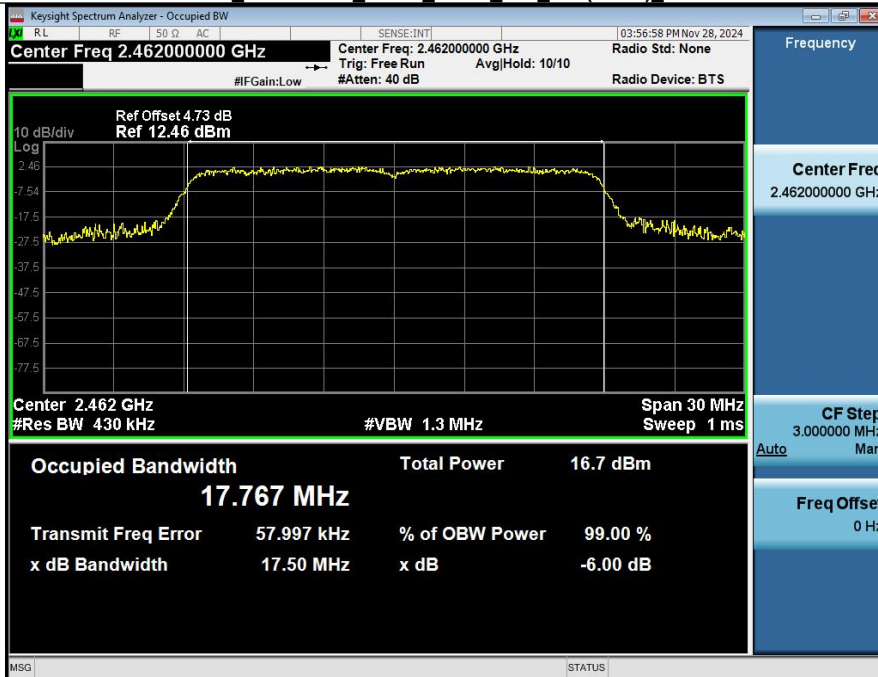
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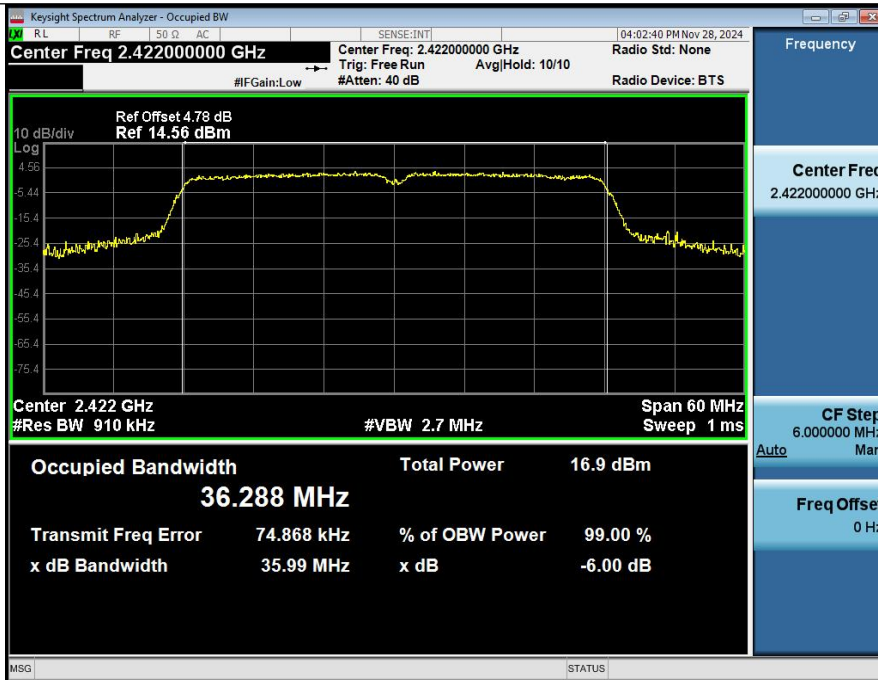
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



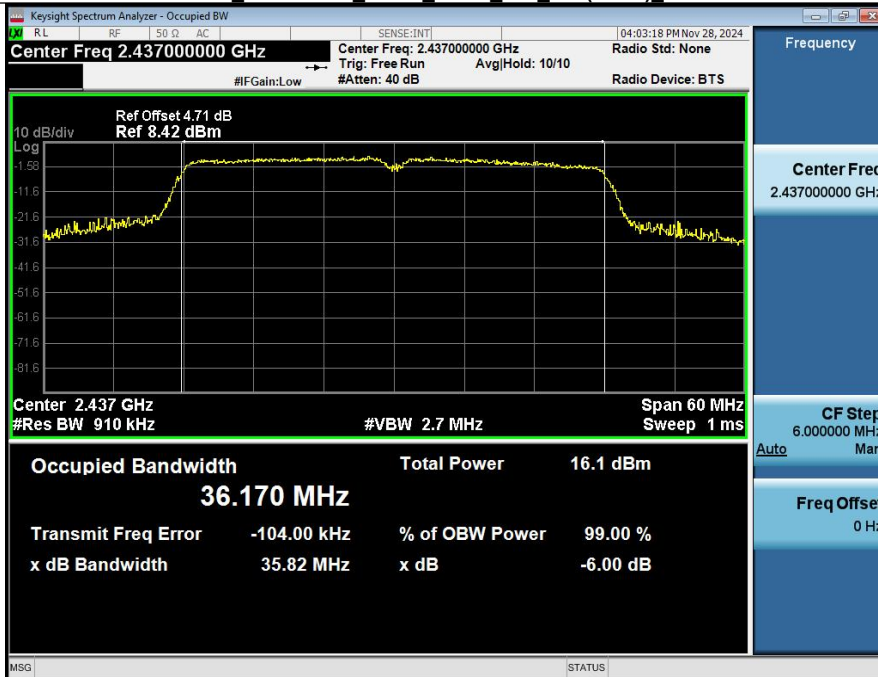
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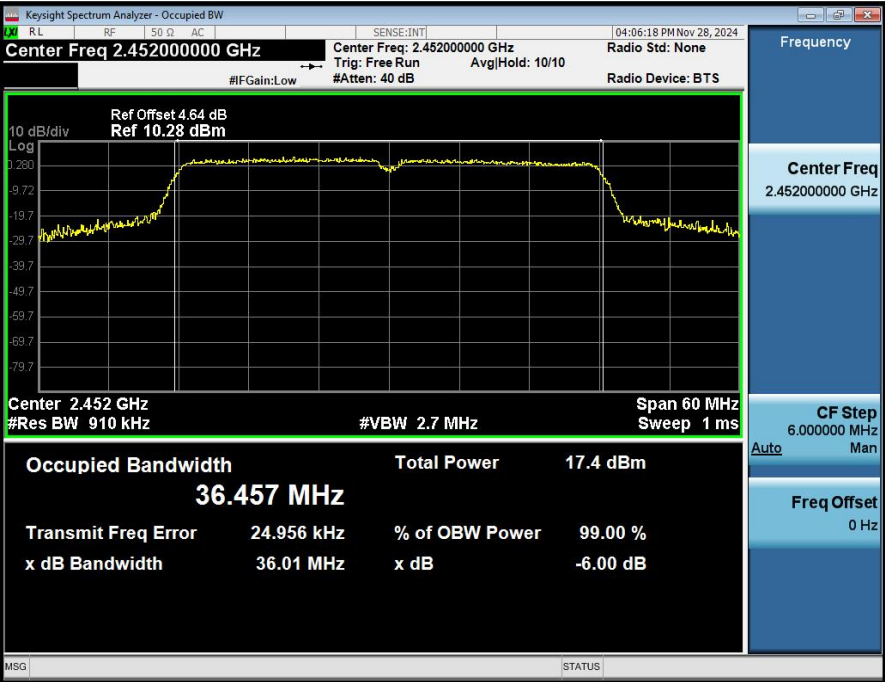
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-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

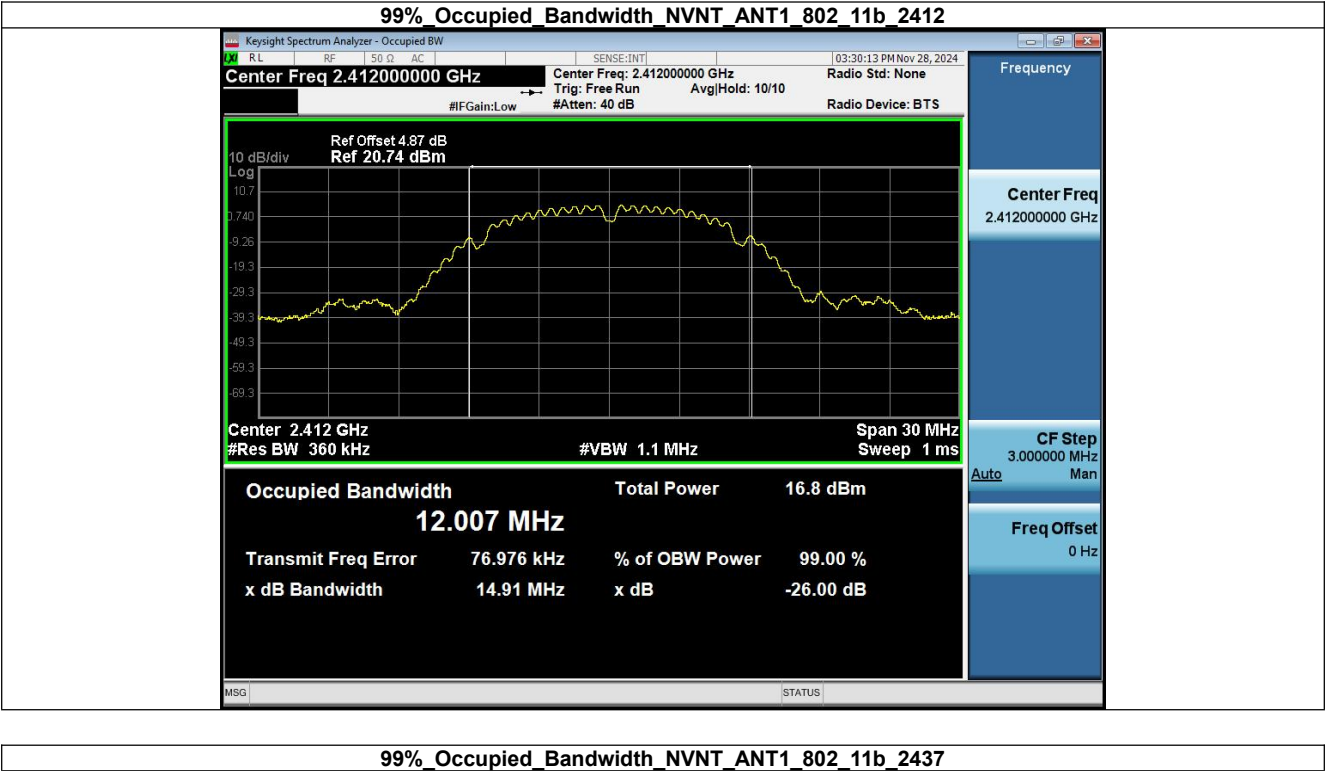


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

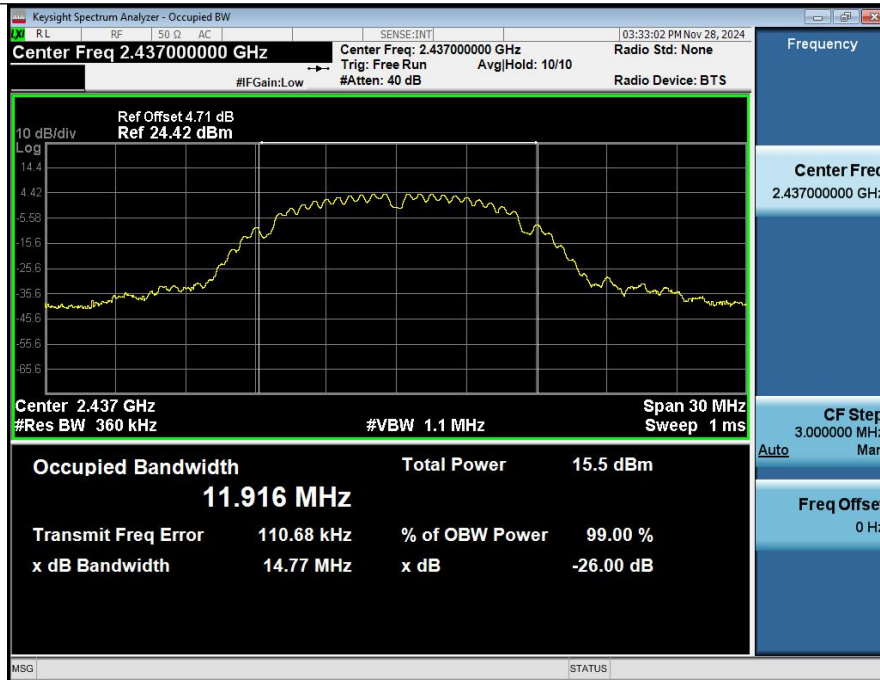


2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	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



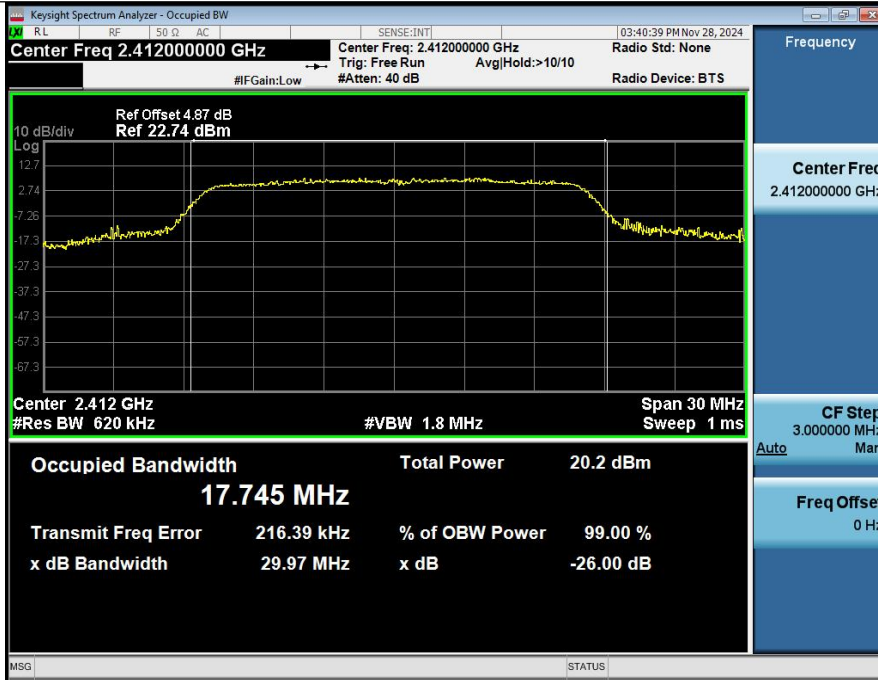
99% Occupied Bandwidth NVNT ANT1 802_11b_2437



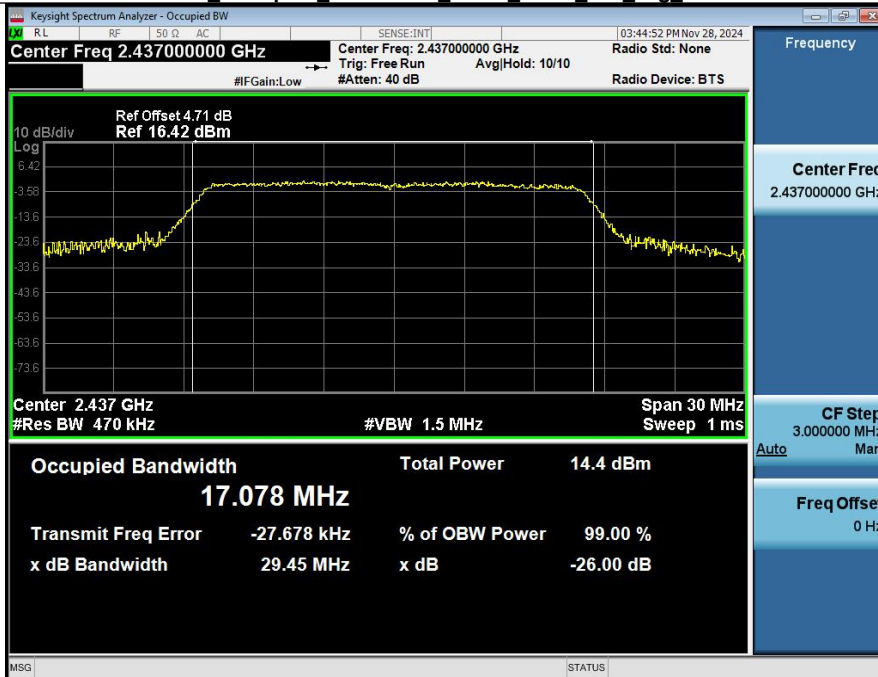
99% Occupied Bandwidth NVNT ANT1_802_11b_2462



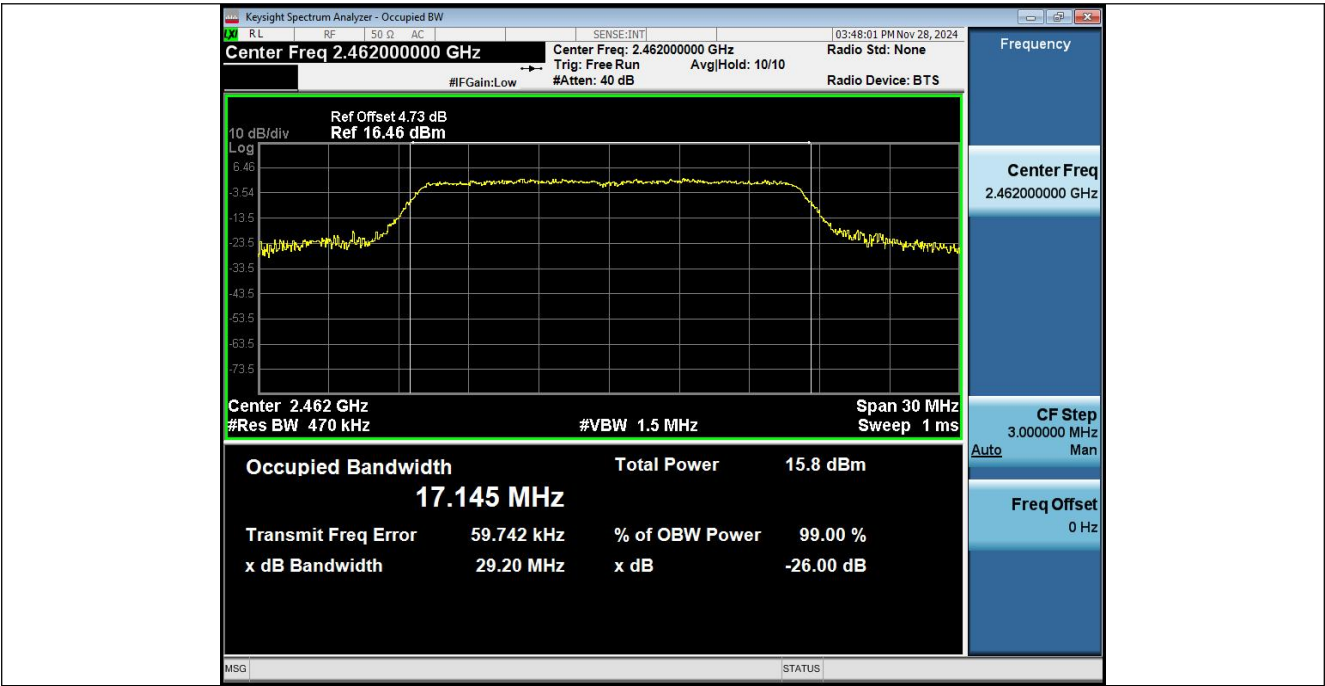
99% Occupied Bandwidth NVNT ANT1_802_11g_2412



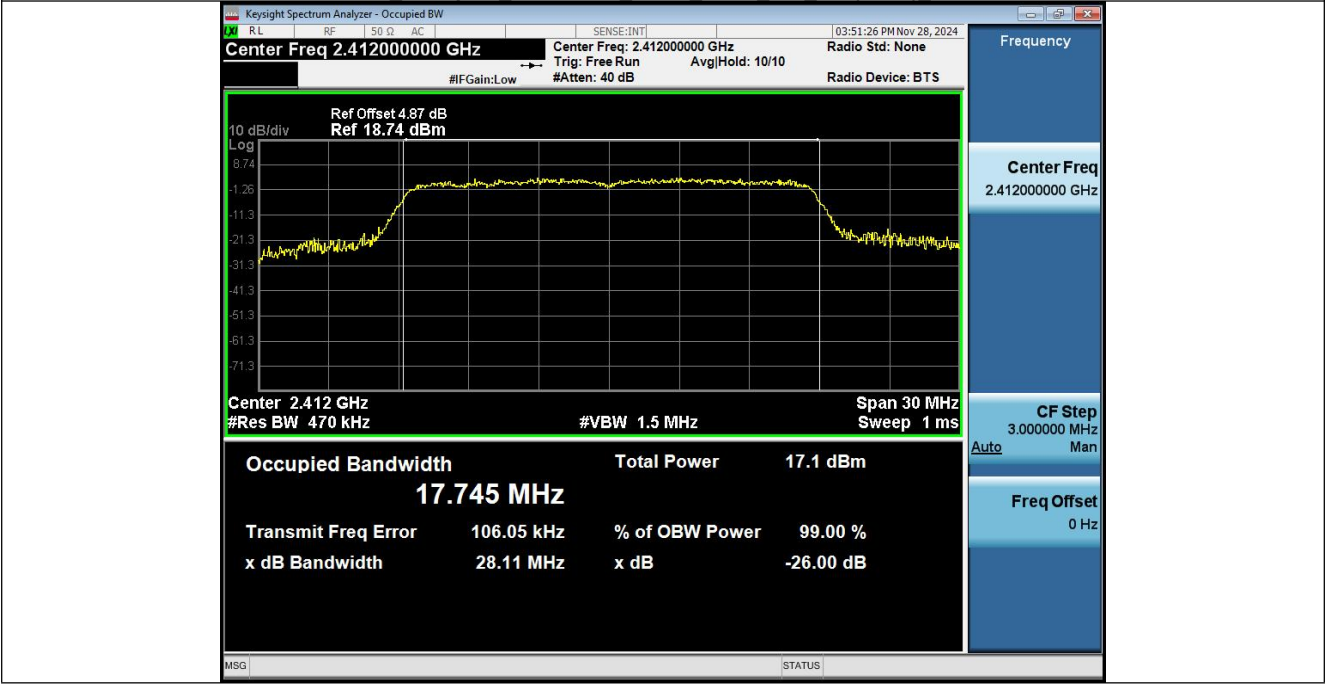
99% Occupied Bandwidth_NVNT_ANT1_802_11g_2437



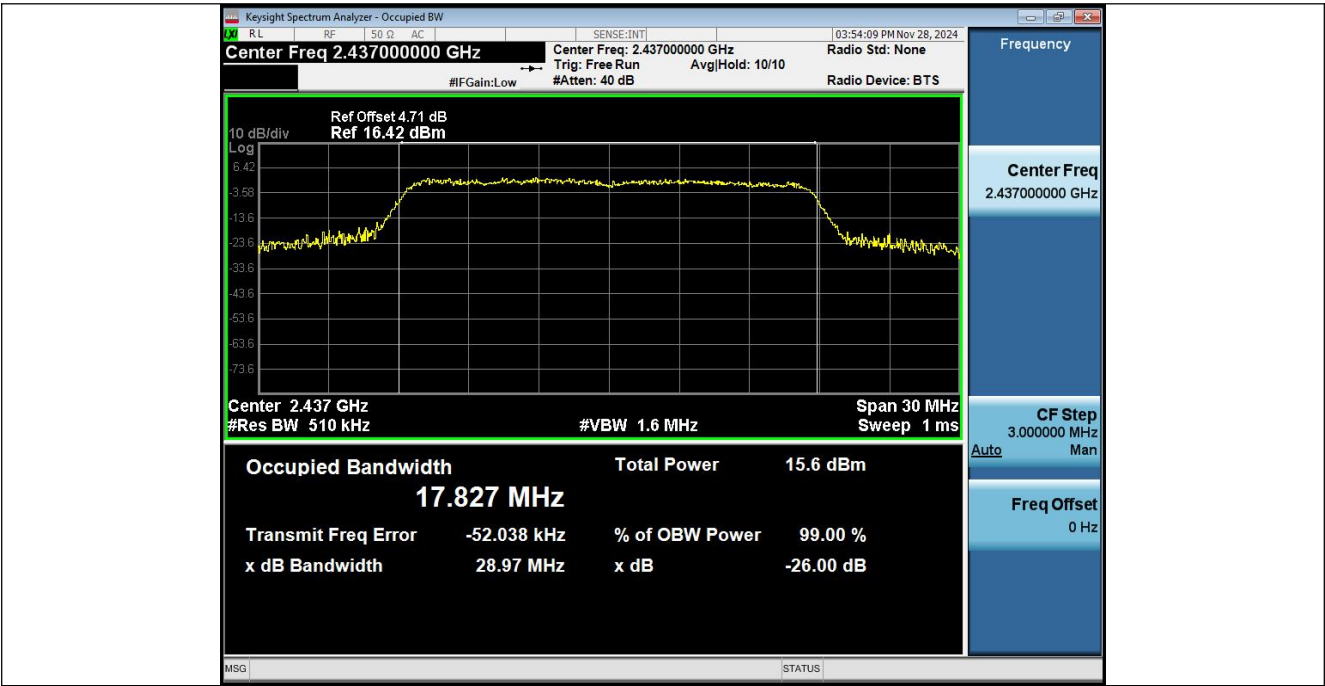
99% Occupied Bandwidth_NVNT_ANT1_802_11g_2462



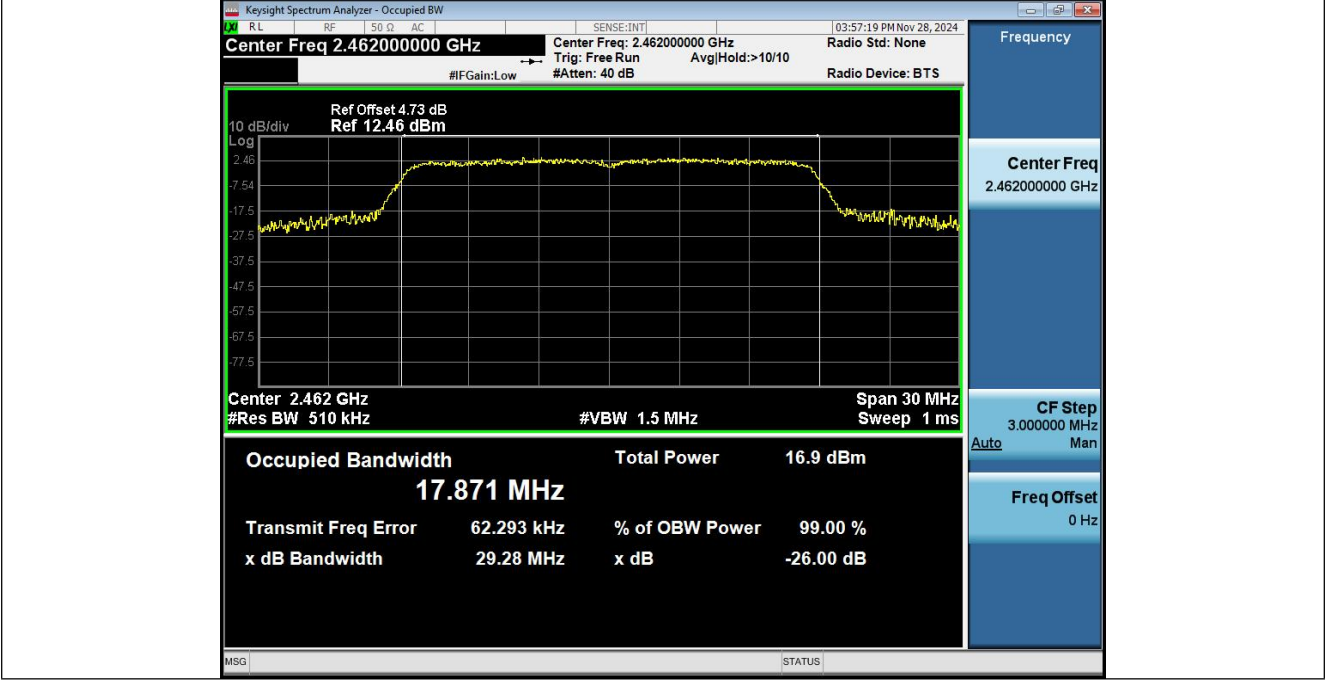
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



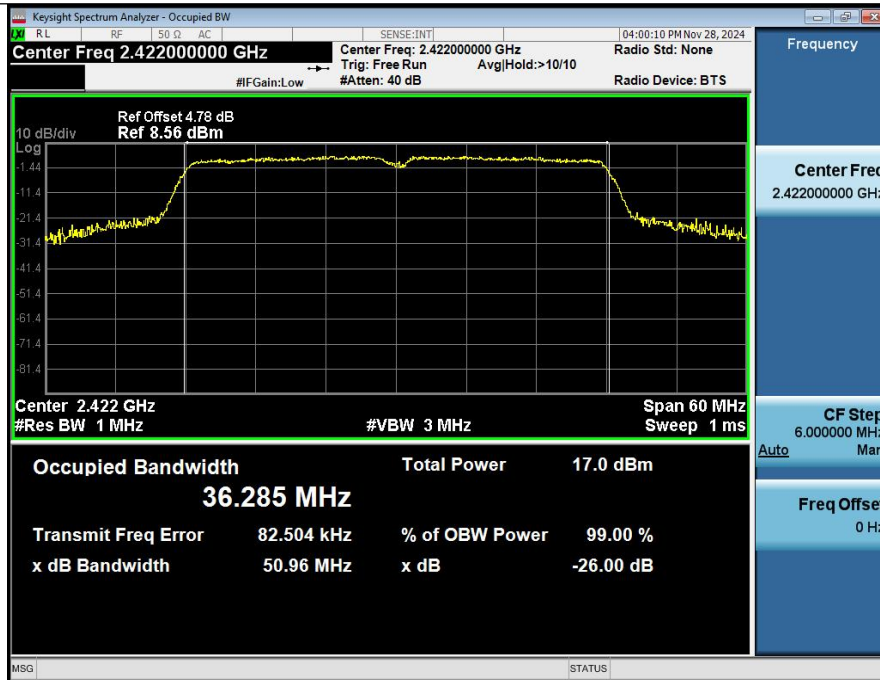
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



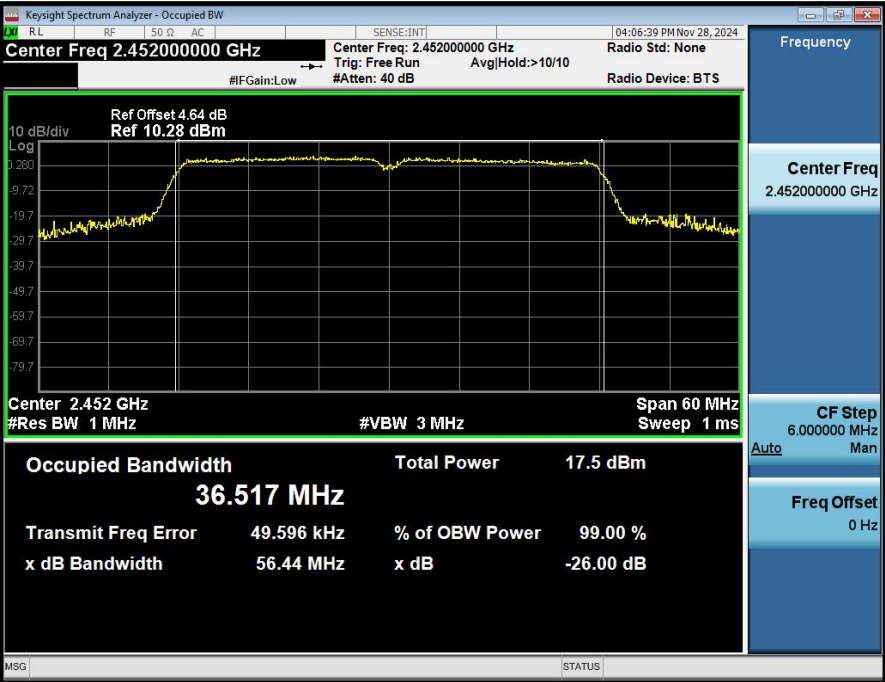
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

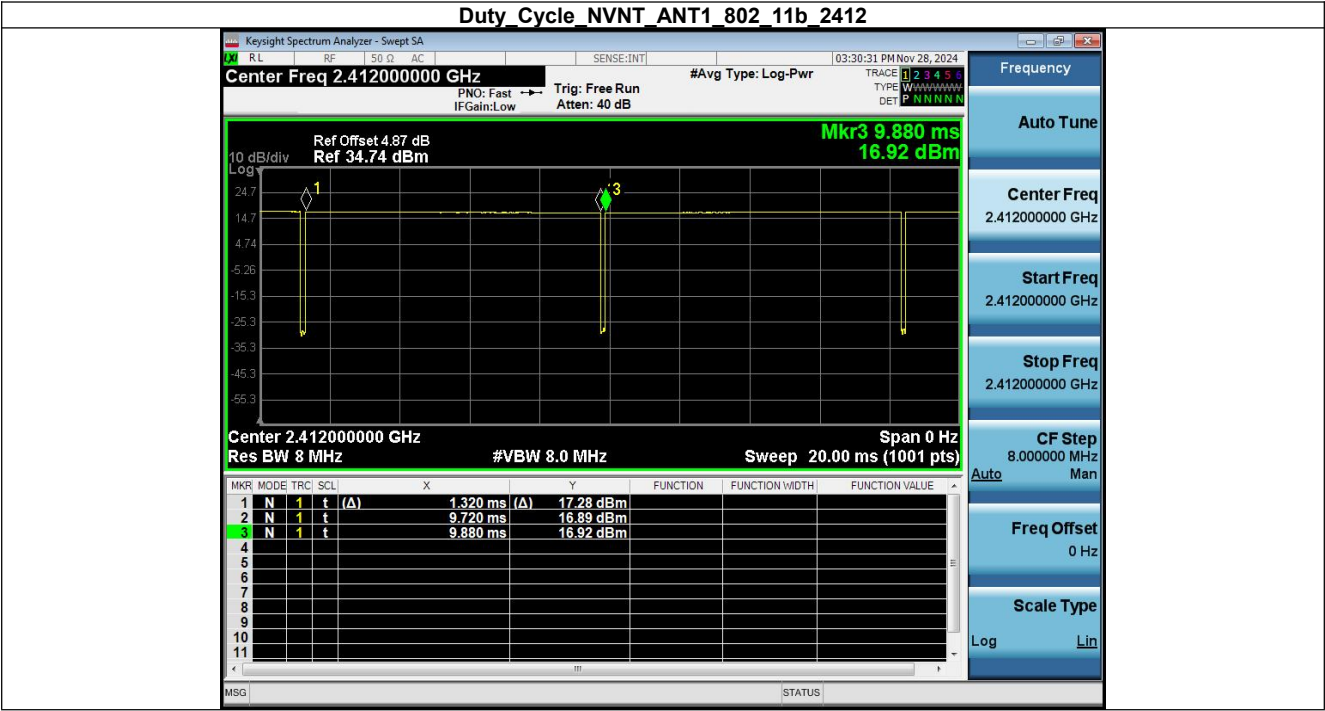


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

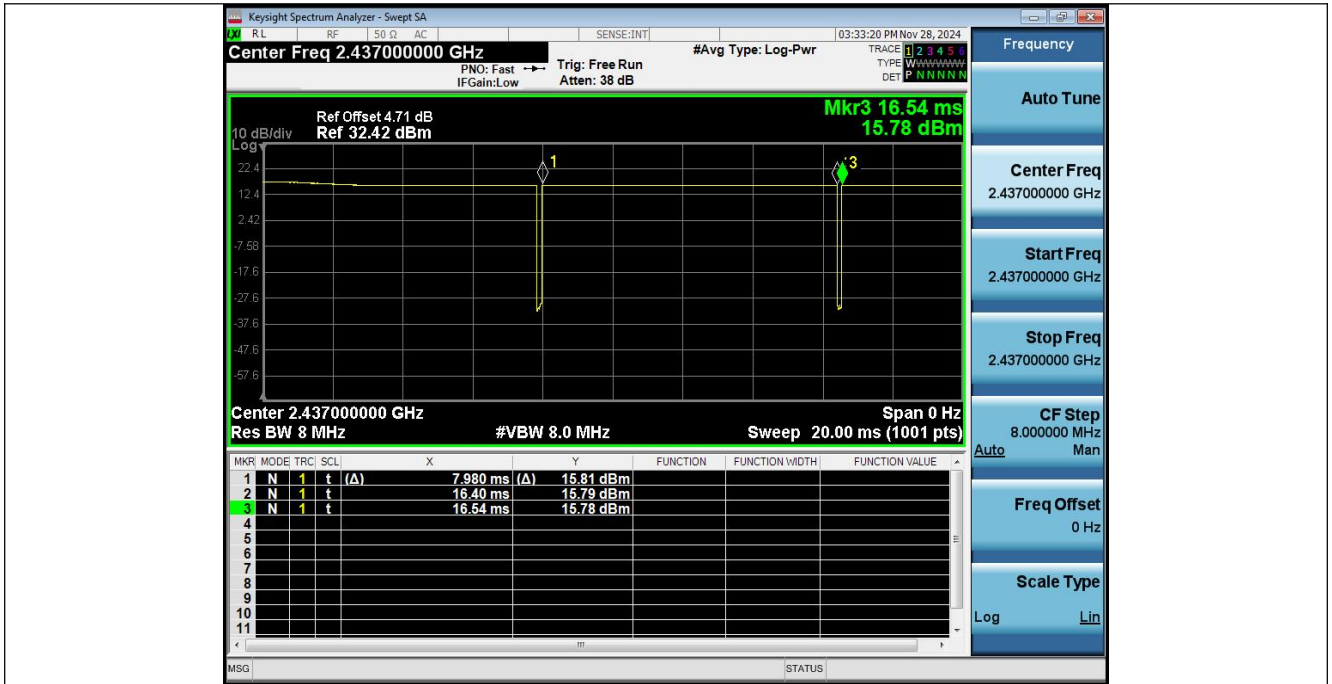


3. Duty Cycle

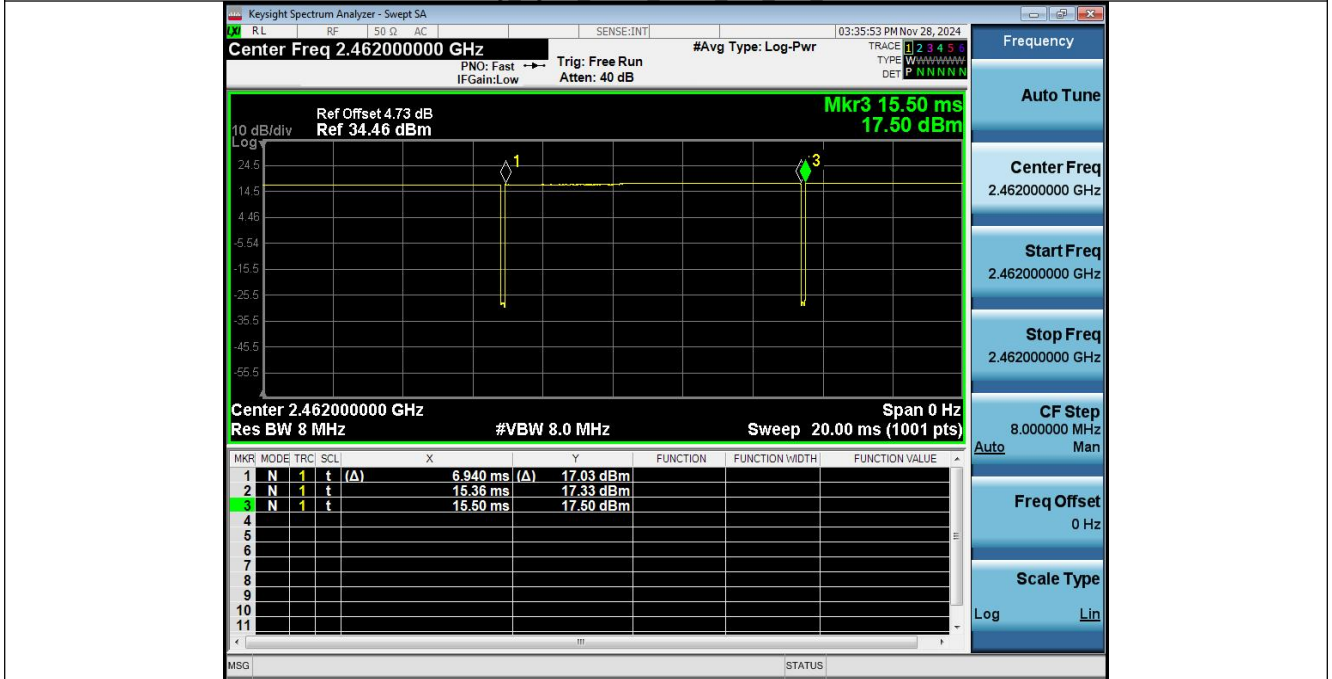
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	98.36	0.00
NVNT	ANT1	802.11b	2437.00	98.60	0.00
NVNT	ANT1	802.11b	2462.00	98.60	0.00
NVNT	ANT1	802.11g	2412.00	90.91	0.41
NVNT	ANT1	802.11g	2437.00	90.91	0.41
NVNT	ANT1	802.11g	2462.00	92.21	0.35
NVNT	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



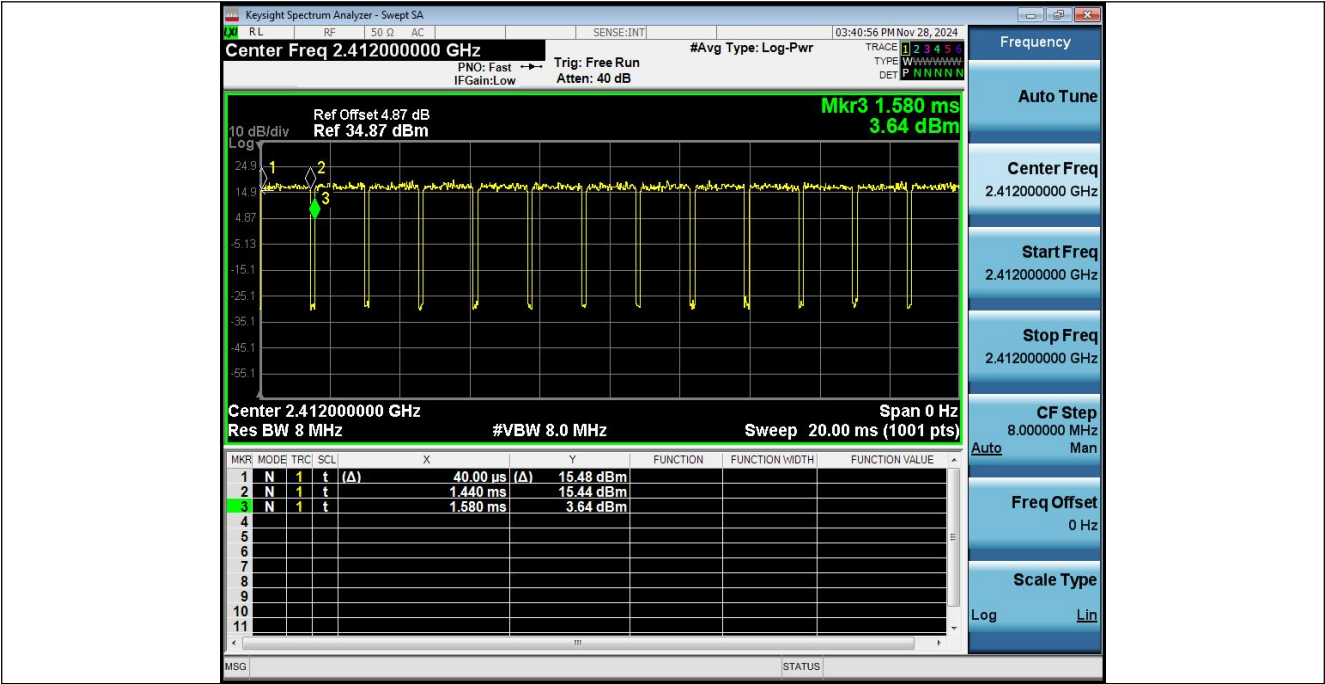
Duty Cycle NVNT ANT1 802 11b 2437



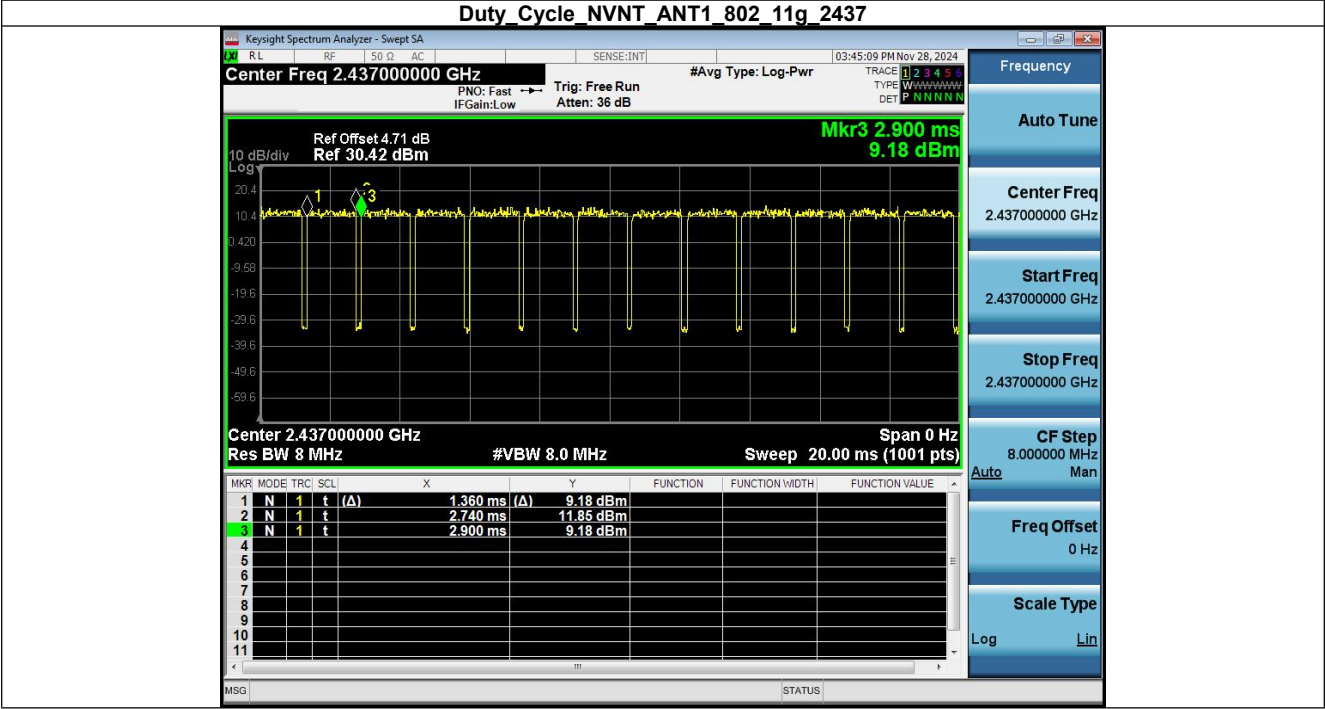
Duty_Cycle_NVNT_ANT1_802_11b_2462



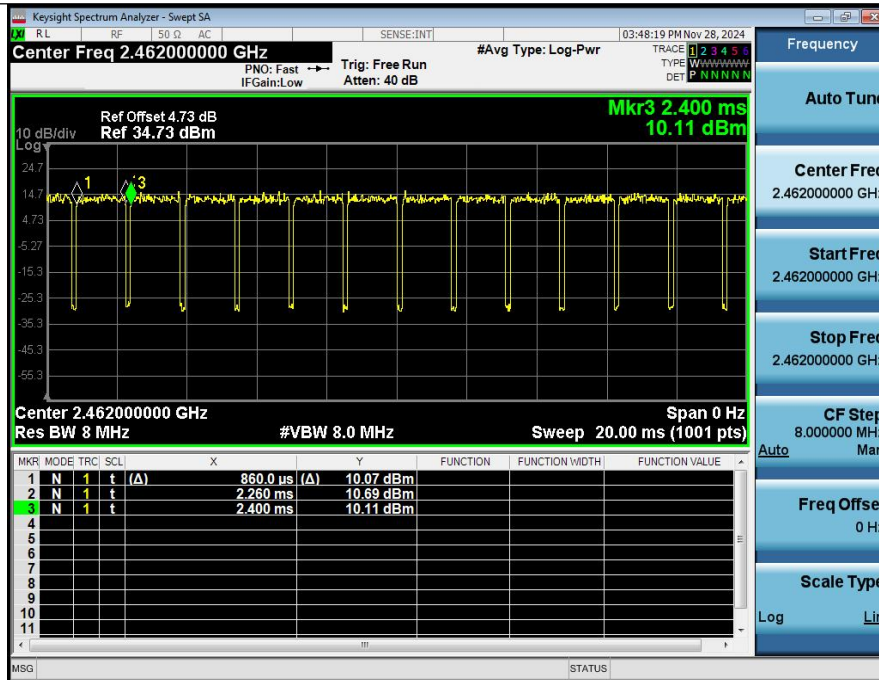
Duty_Cycle_NVNT_ANT1_802_11g_2412



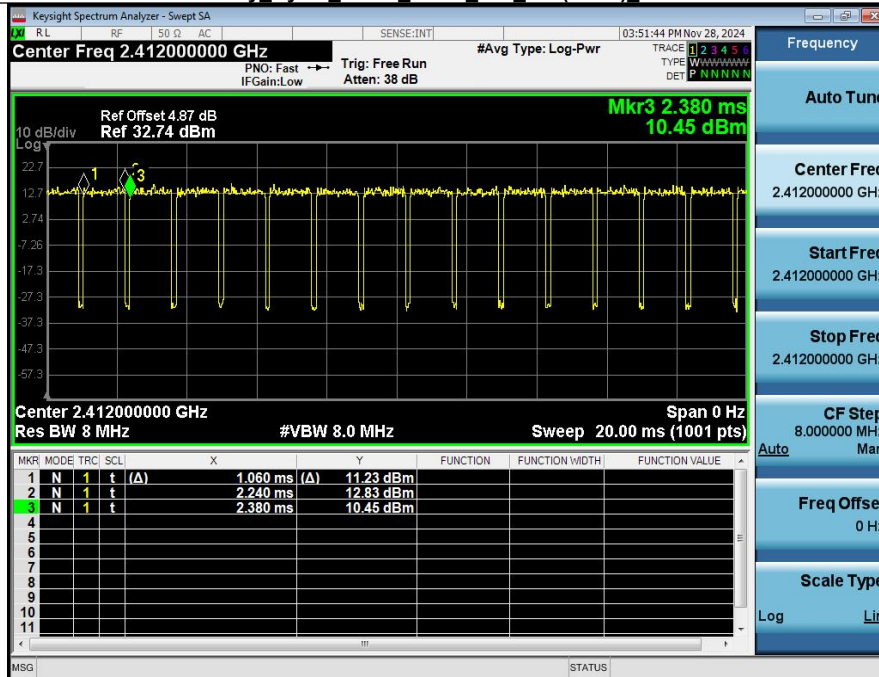
Duty Cycle NVNT_ANT1_802_11g_2437



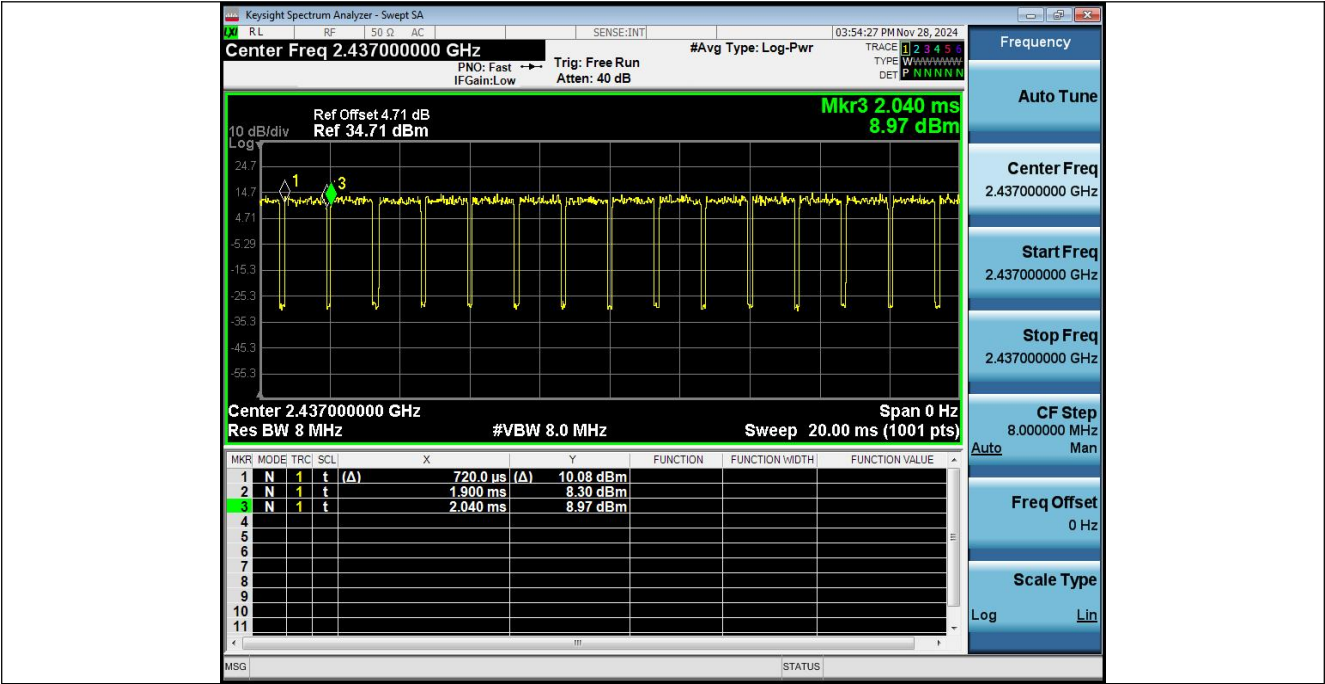
Duty Cycle NVNT_ANT1_802_11g_2462



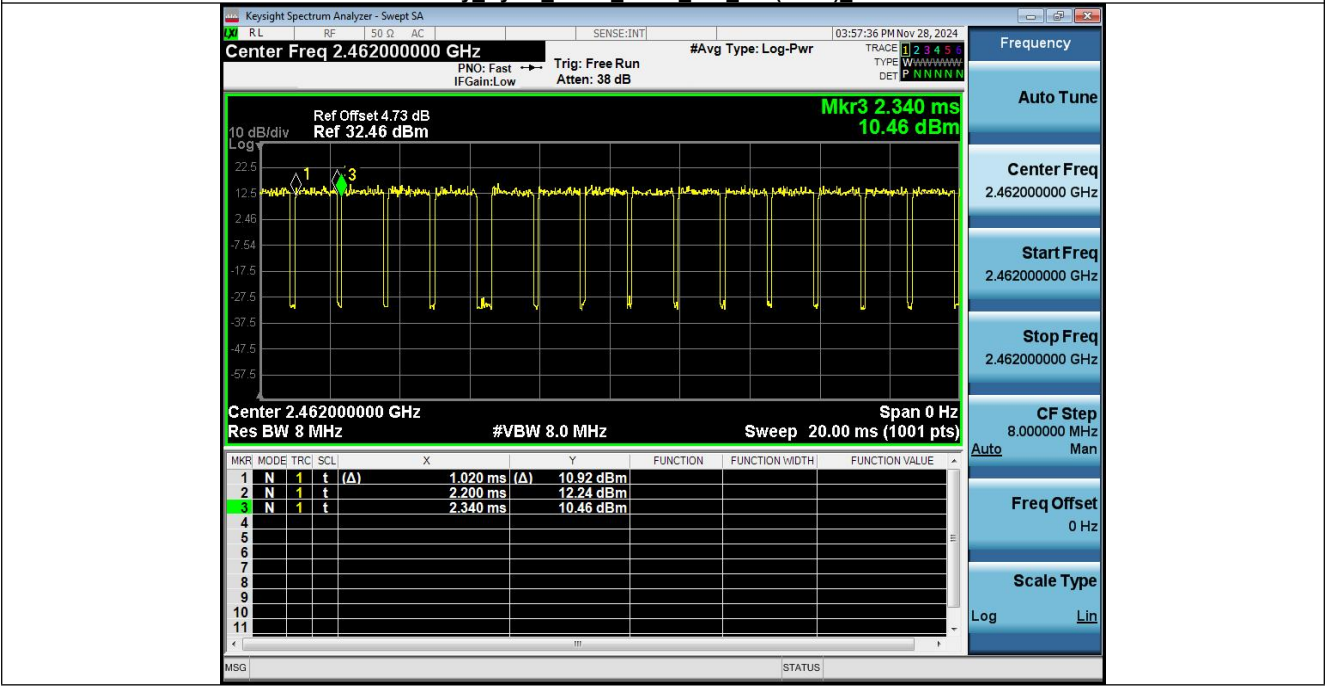
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



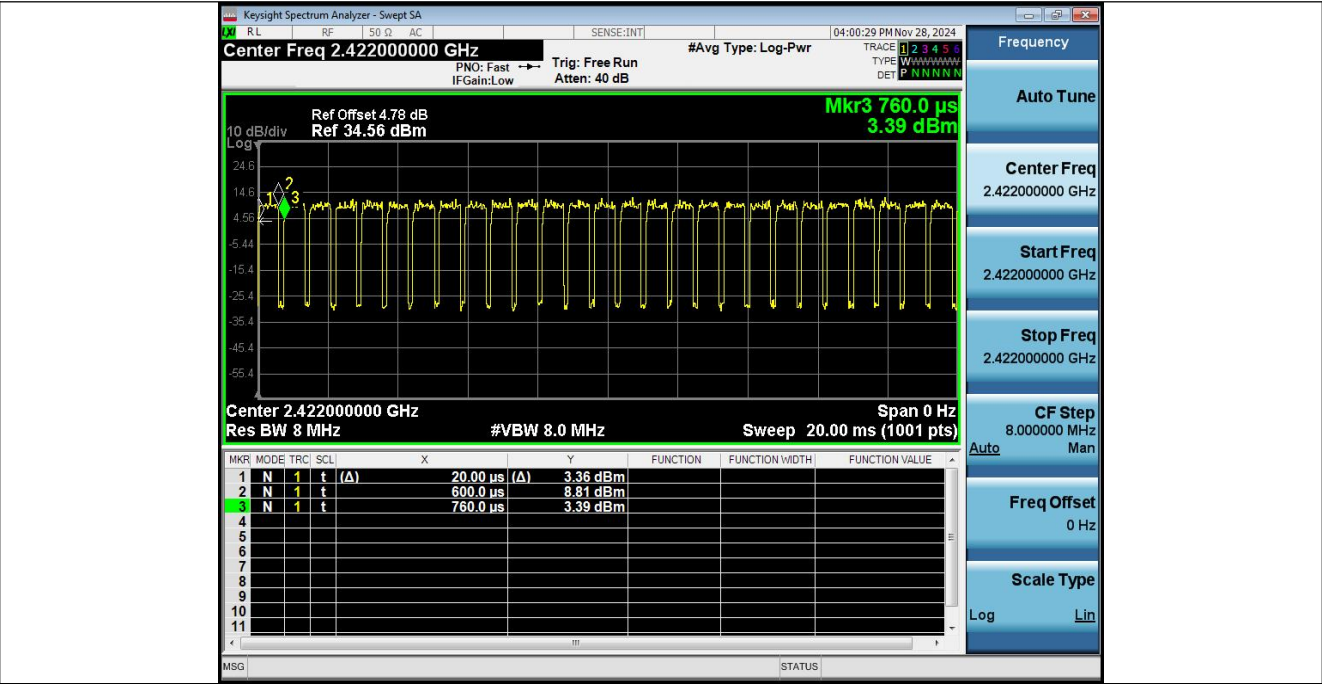
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



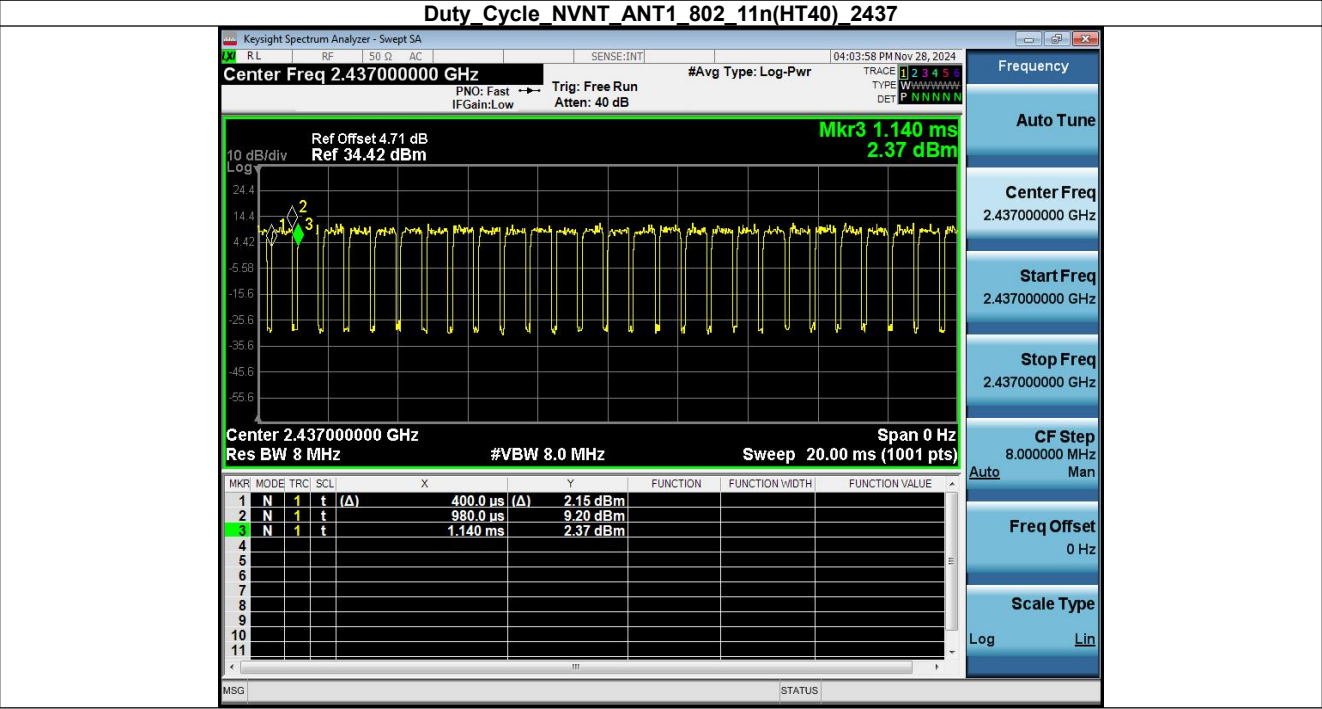
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



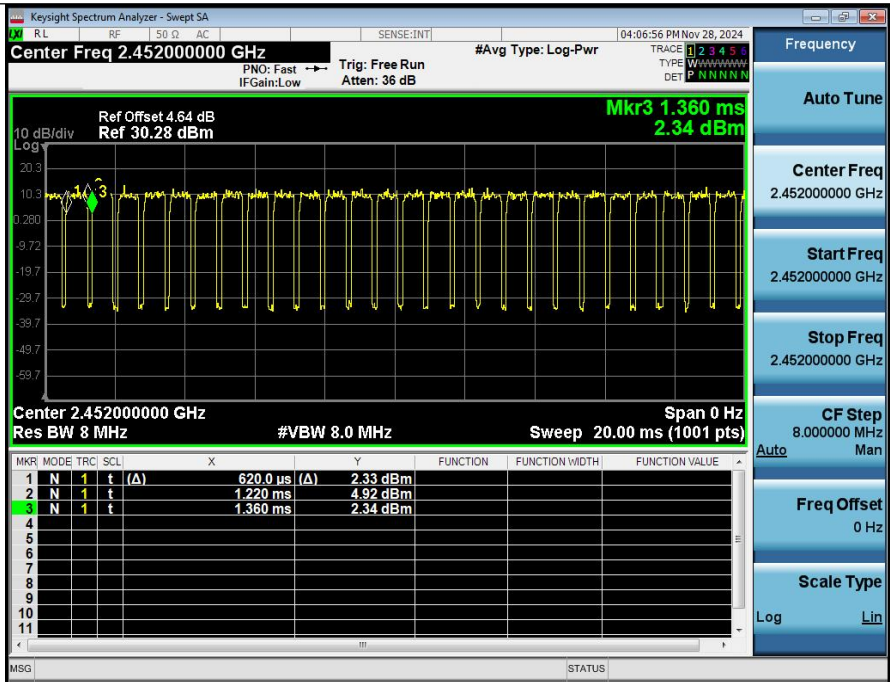
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2422



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

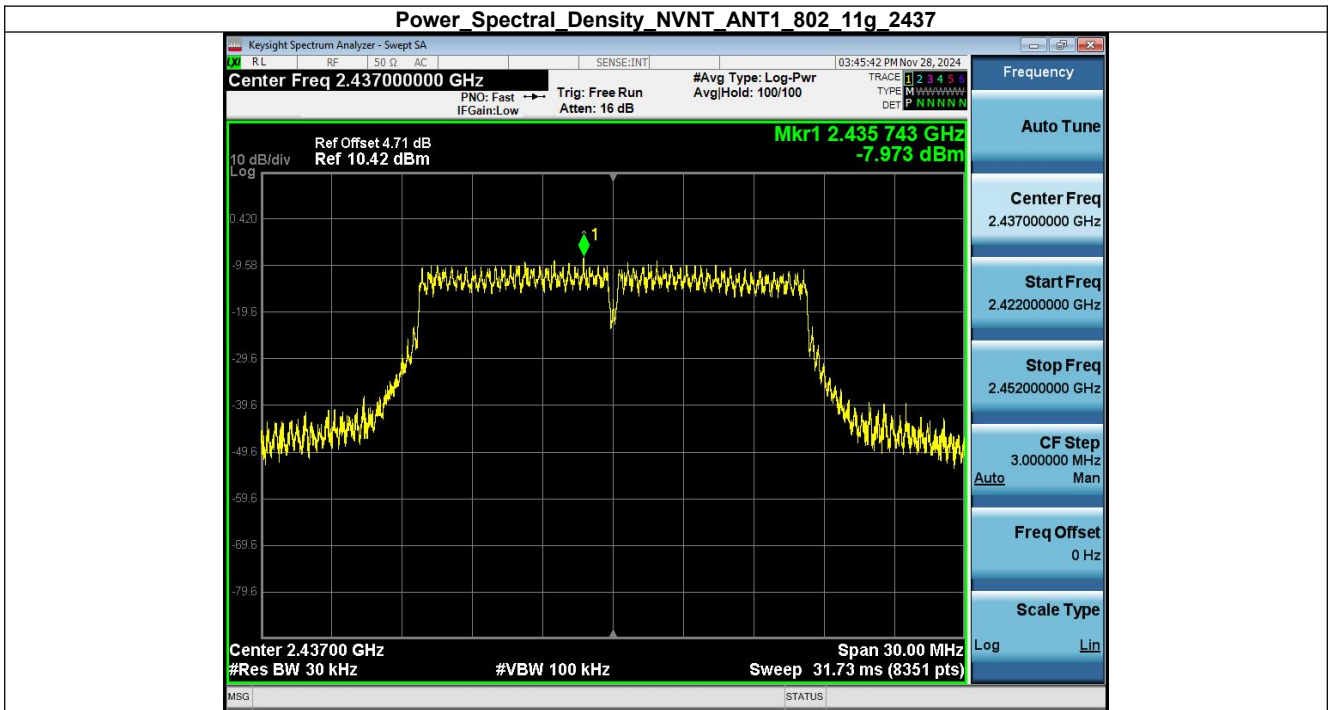
Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	1.46	N/A	-10.00	-8.54	8	Pass
NVNT	ANT1	802.11b	2437.00	-0.56	N/A	-10.00	-10.56	8	Pass
NVNT	ANT1	802.11b	2462.00	0.93	N/A	-10.00	-9.07	8	Pass
NVNT	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



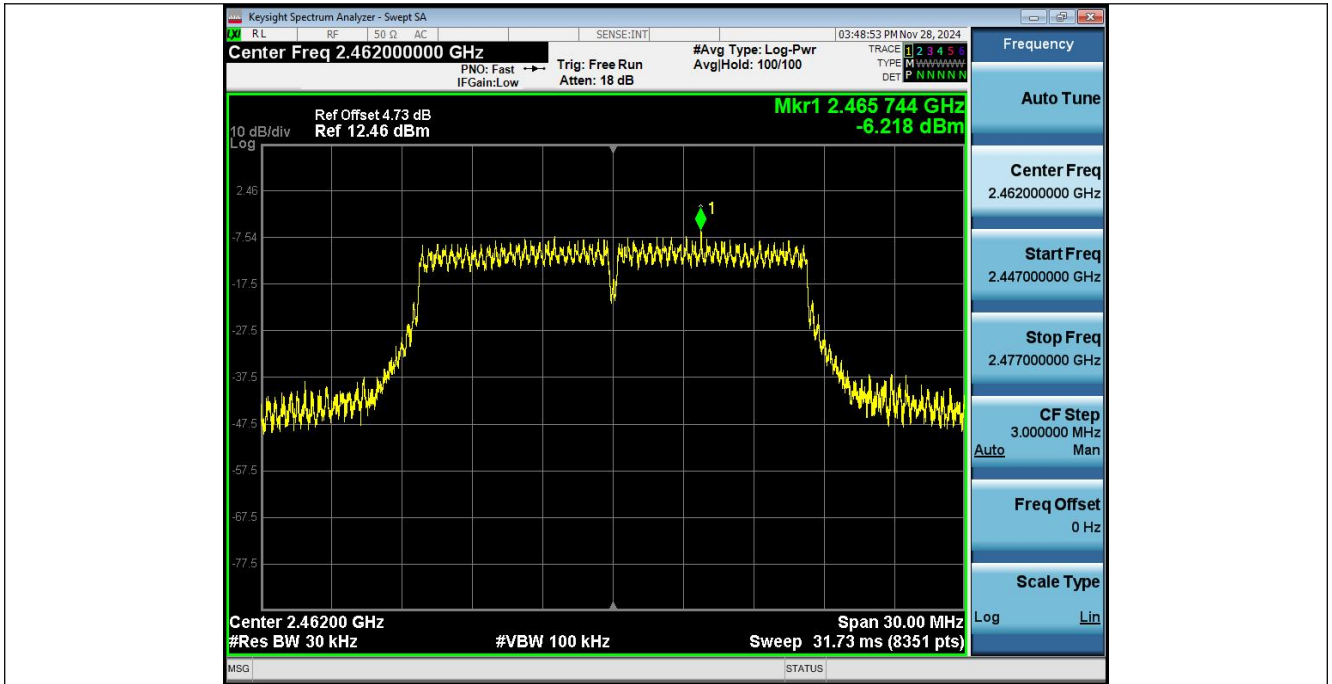
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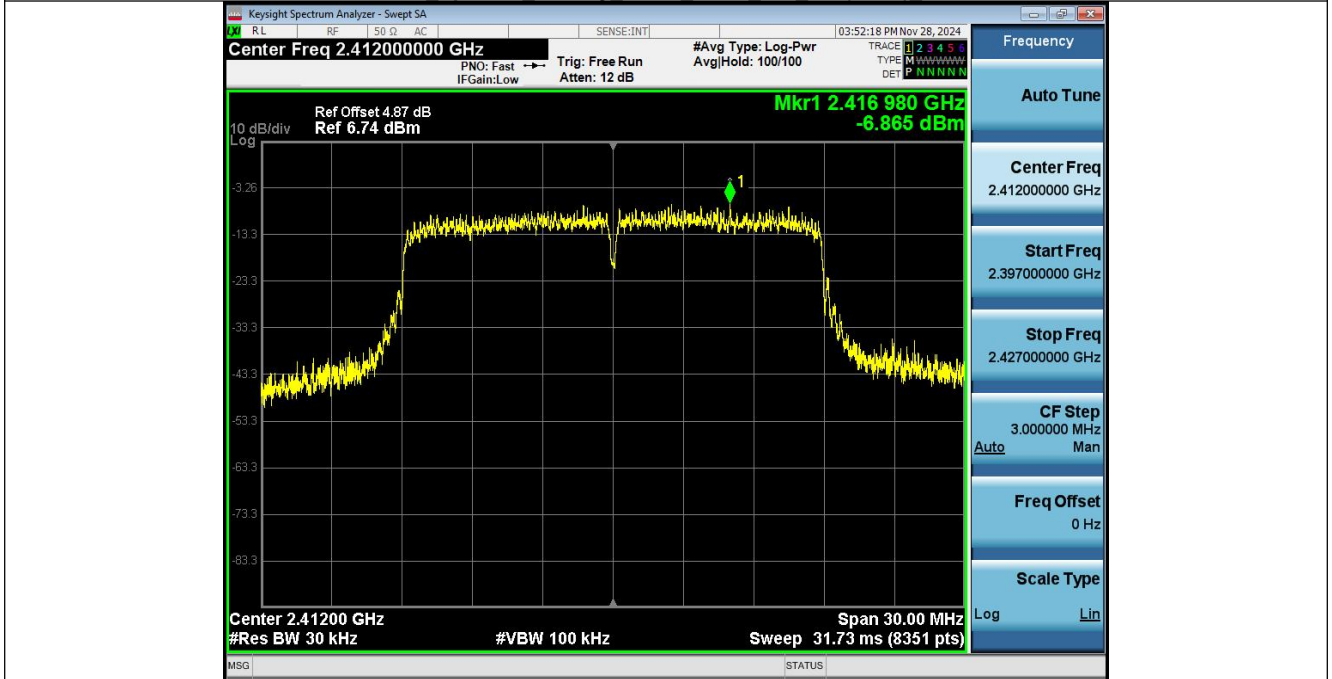
Power_Spectral_Density_NVNT_ANT1_802_11g_2412



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