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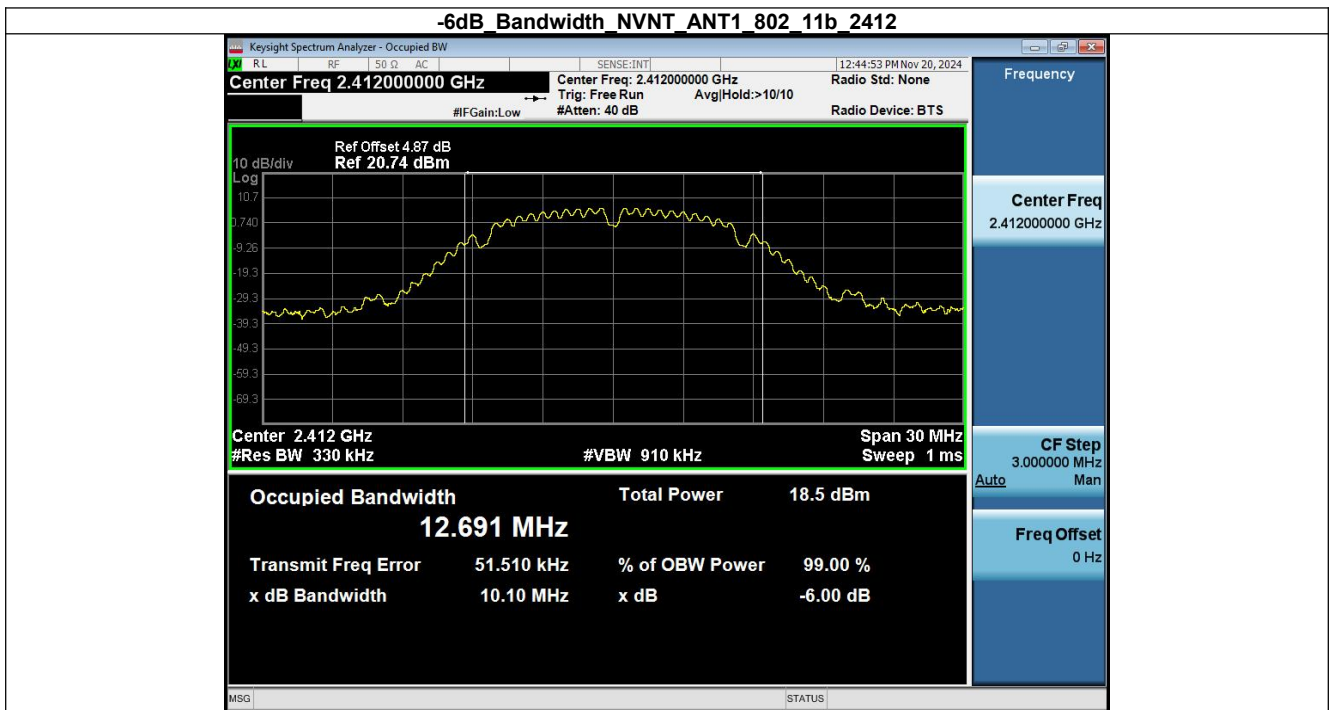
7. Spurious Emission 39

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	10.10	500	Pass
NVNT	ANT1	802.11b	2437.00	10.12	500	Pass
NVNT	ANT1	802.11b	2462.00	10.15	500	Pass
NVNT	ANT1	802.11g	2412.00	16.24	500	Pass
NVNT	ANT1	802.11g	2437.00	16.21	500	Pass
NVNT	ANT1	802.11g	2462.00	16.17	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.37	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.26	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.37	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.87	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.88	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.92	500	Pass



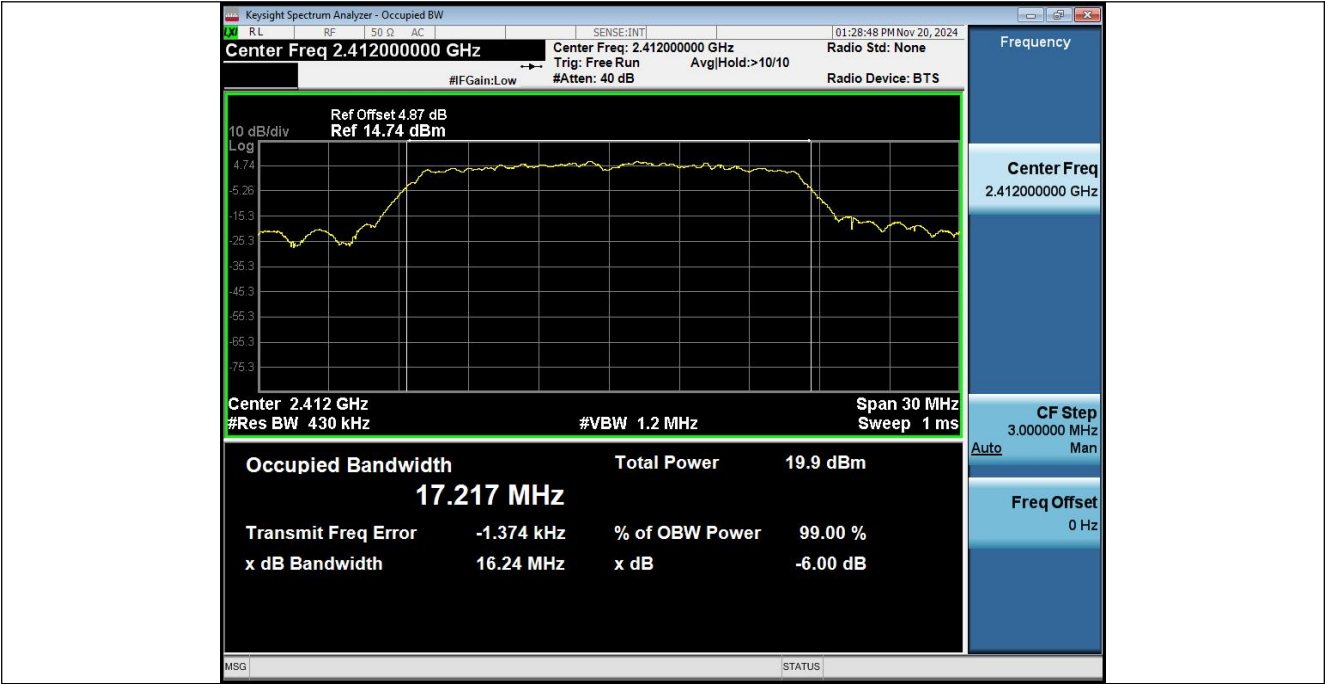
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



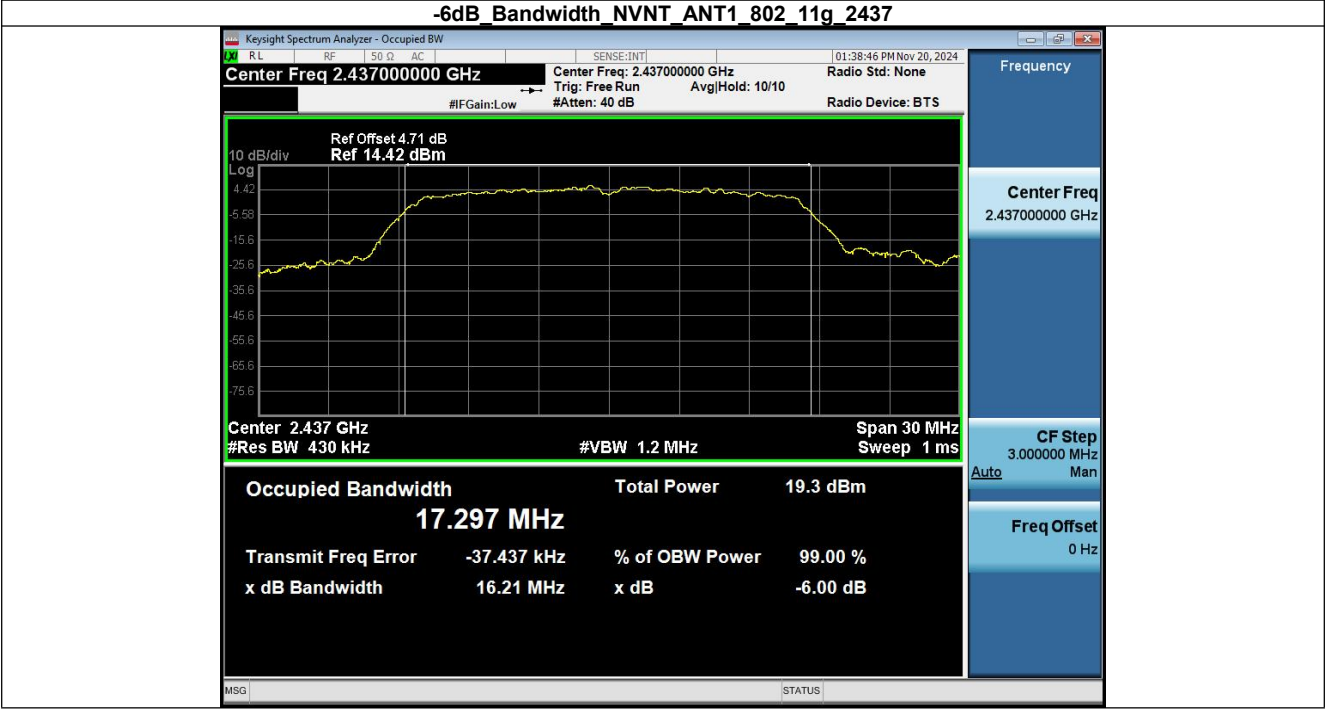
-6dB Bandwidth NVNT_ANT1_802_11b_2462



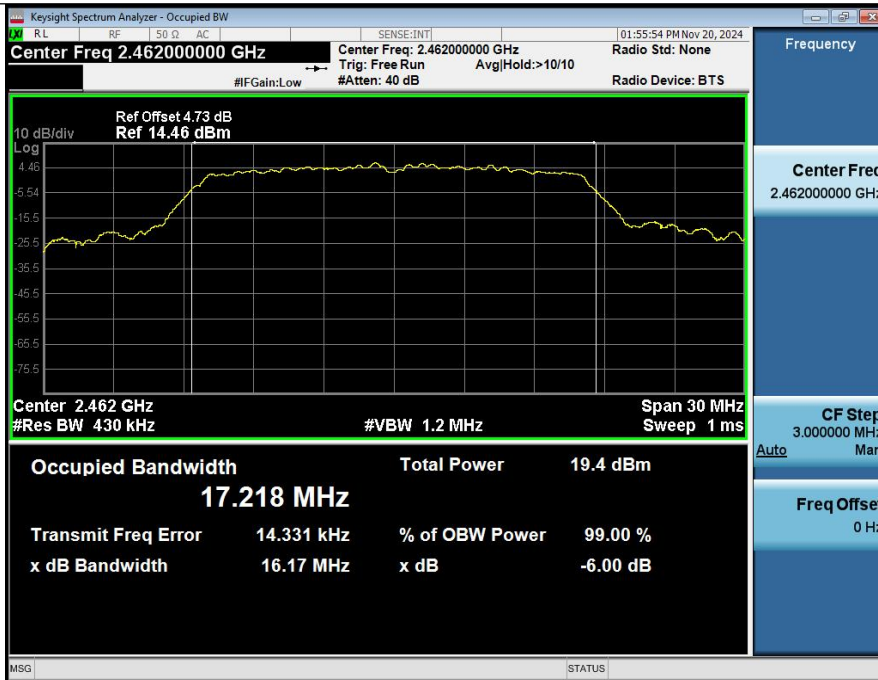
-6dB Bandwidth NVNT_ANT1_802_11g_2412



-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



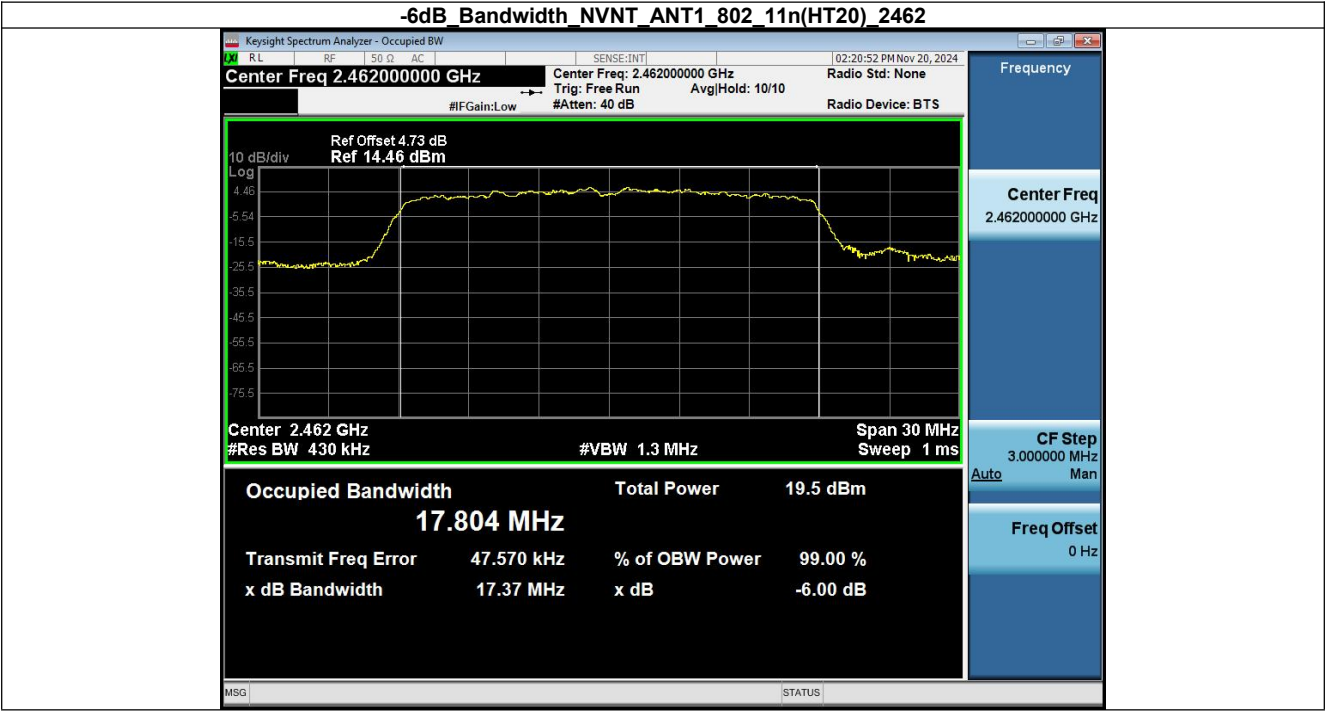
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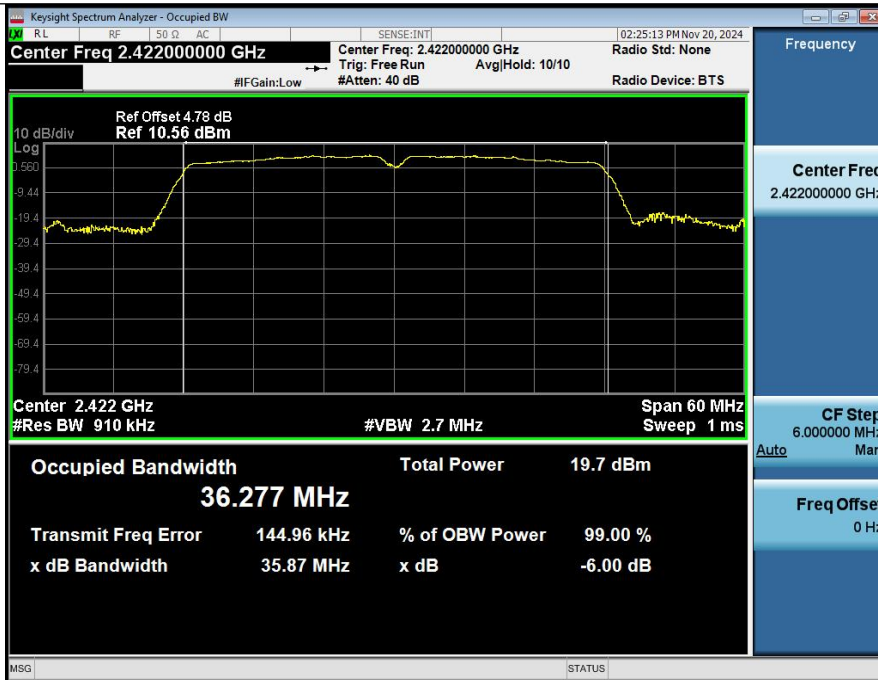


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412

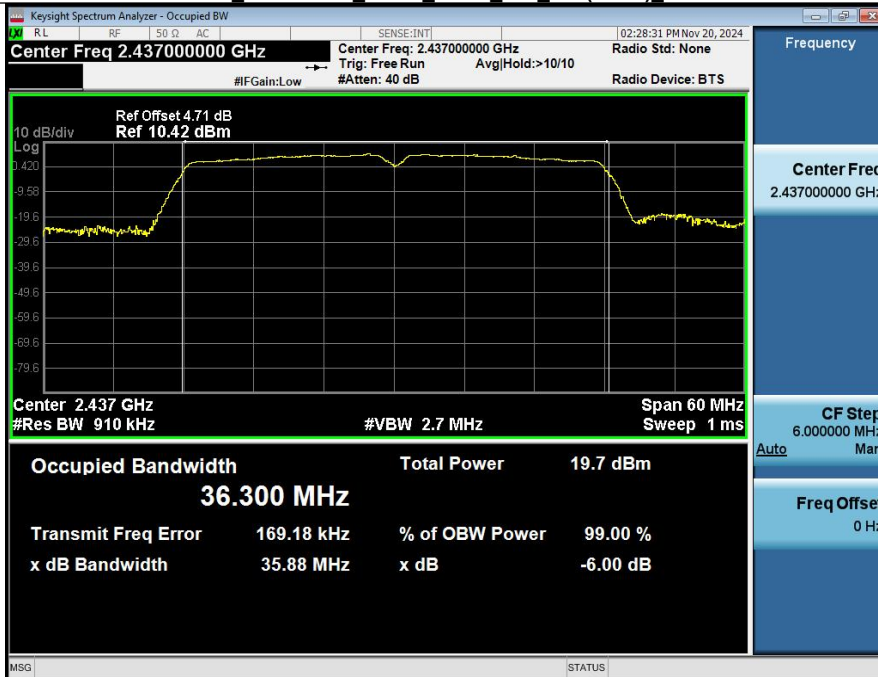


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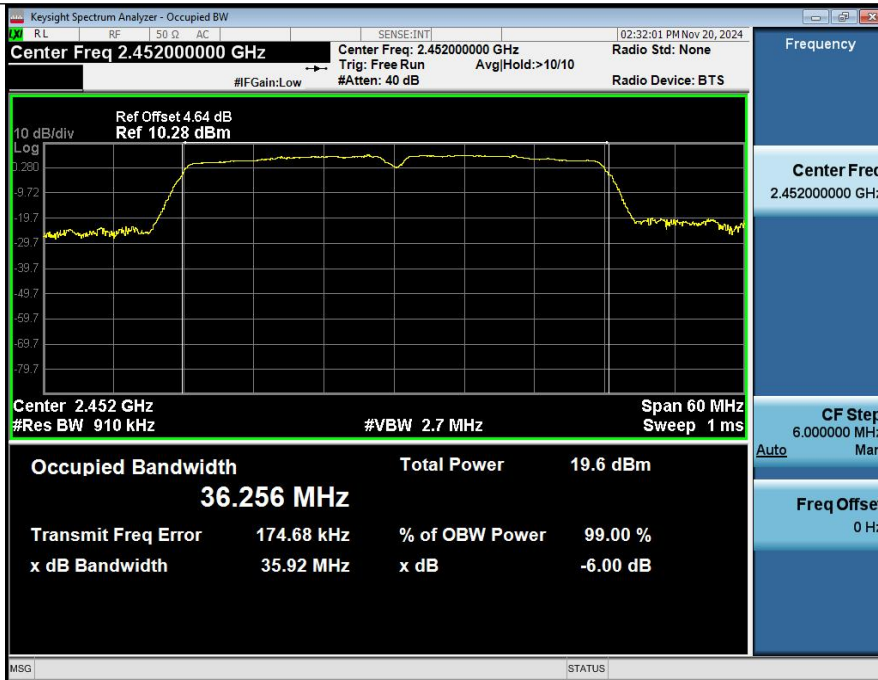




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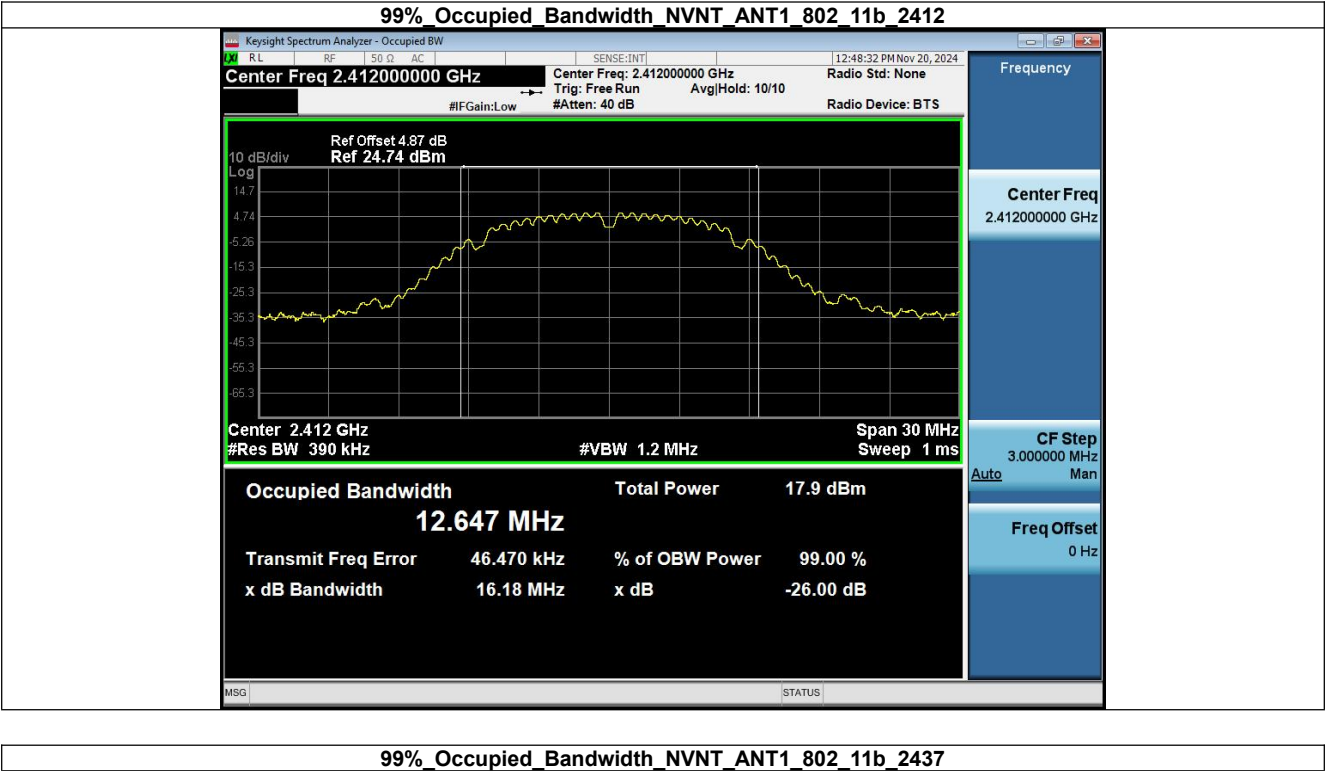


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

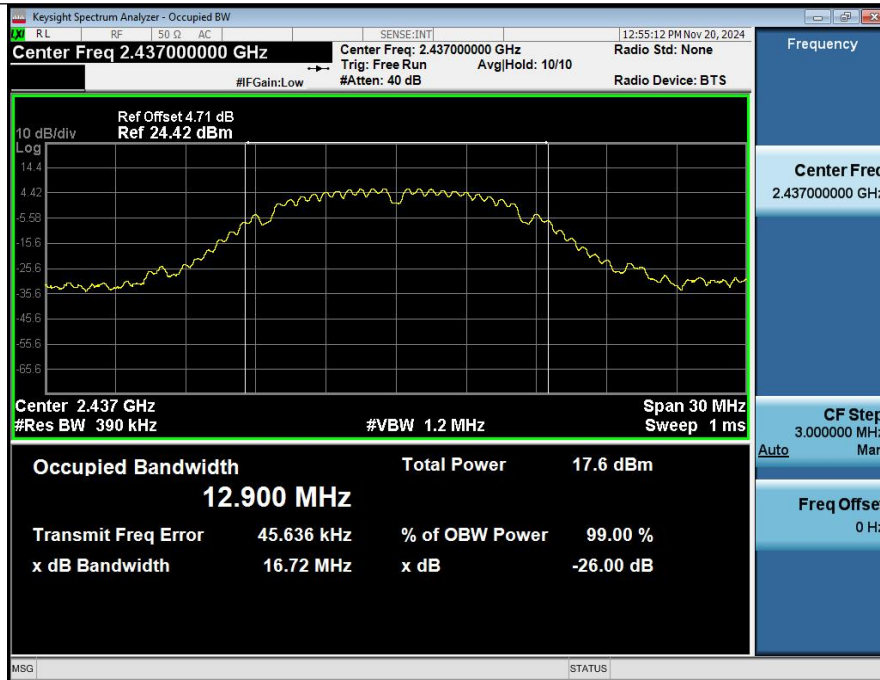


2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.647
NVNT	ANT1	802.11b	2437.00	12.900
NVNT	ANT1	802.11b	2462.00	13.228
NVNT	ANT1	802.11g	2412.00	17.435
NVNT	ANT1	802.11g	2437.00	17.514
NVNT	ANT1	802.11g	2462.00	17.430
NVNT	ANT1	802.11n(HT20)	2412.00	17.845
NVNT	ANT1	802.11n(HT20)	2437.00	17.856
NVNT	ANT1	802.11n(HT20)	2462.00	17.923
NVNT	ANT1	802.11n(HT40)	2422.00	36.284
NVNT	ANT1	802.11n(HT40)	2437.00	36.318
NVNT	ANT1	802.11n(HT40)	2452.00	36.268



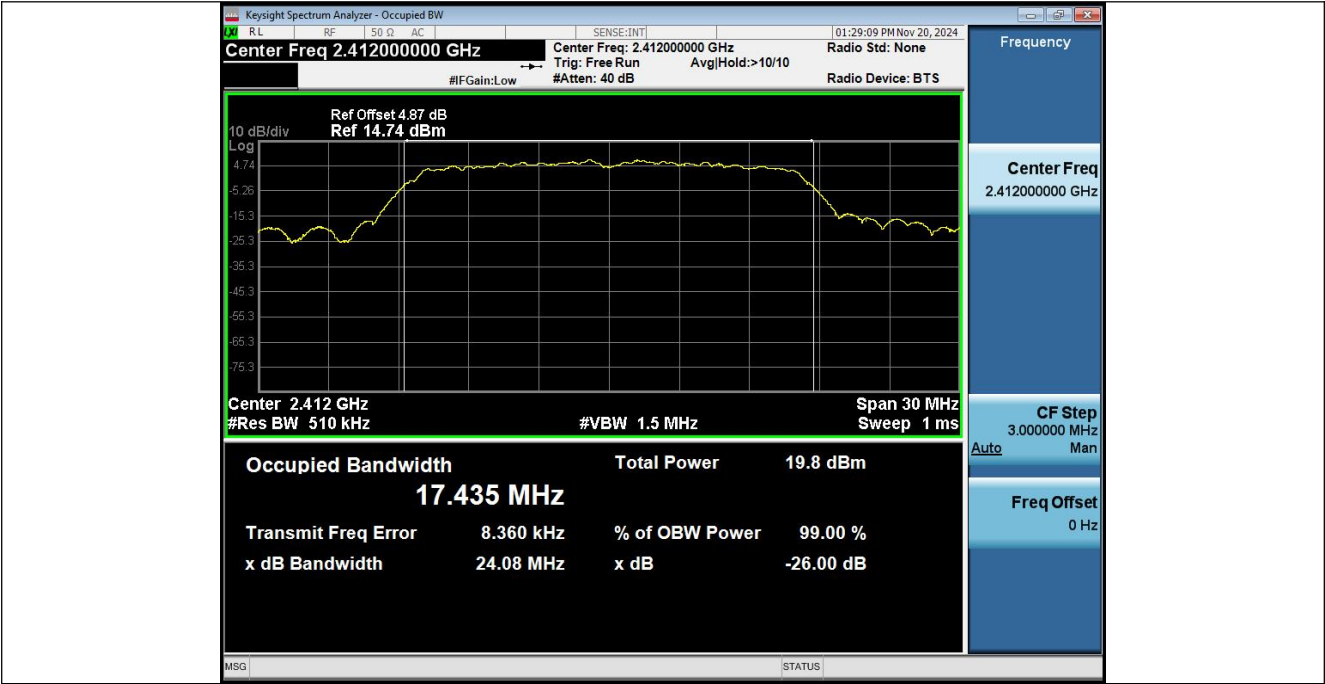
99% Occupied Bandwidth NVNT ANT1 802_11b_2437



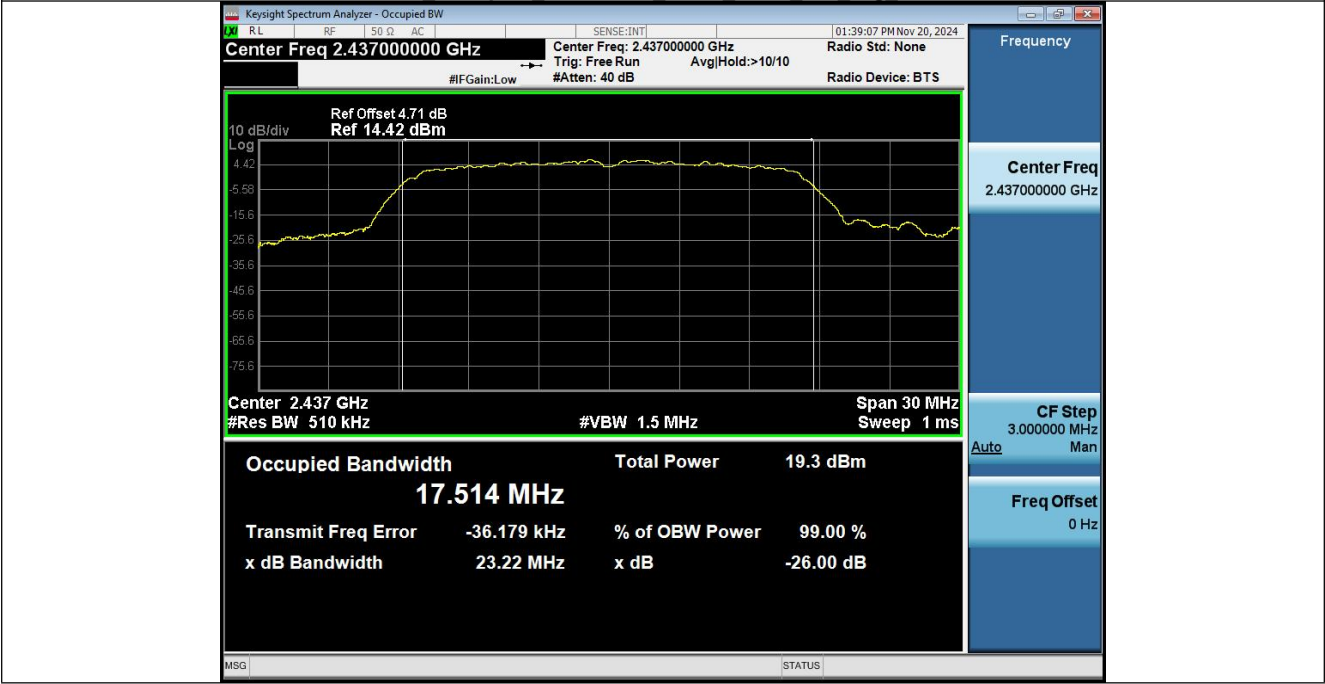
99% Occupied Bandwidth NVNT ANT1_802_11b_2462



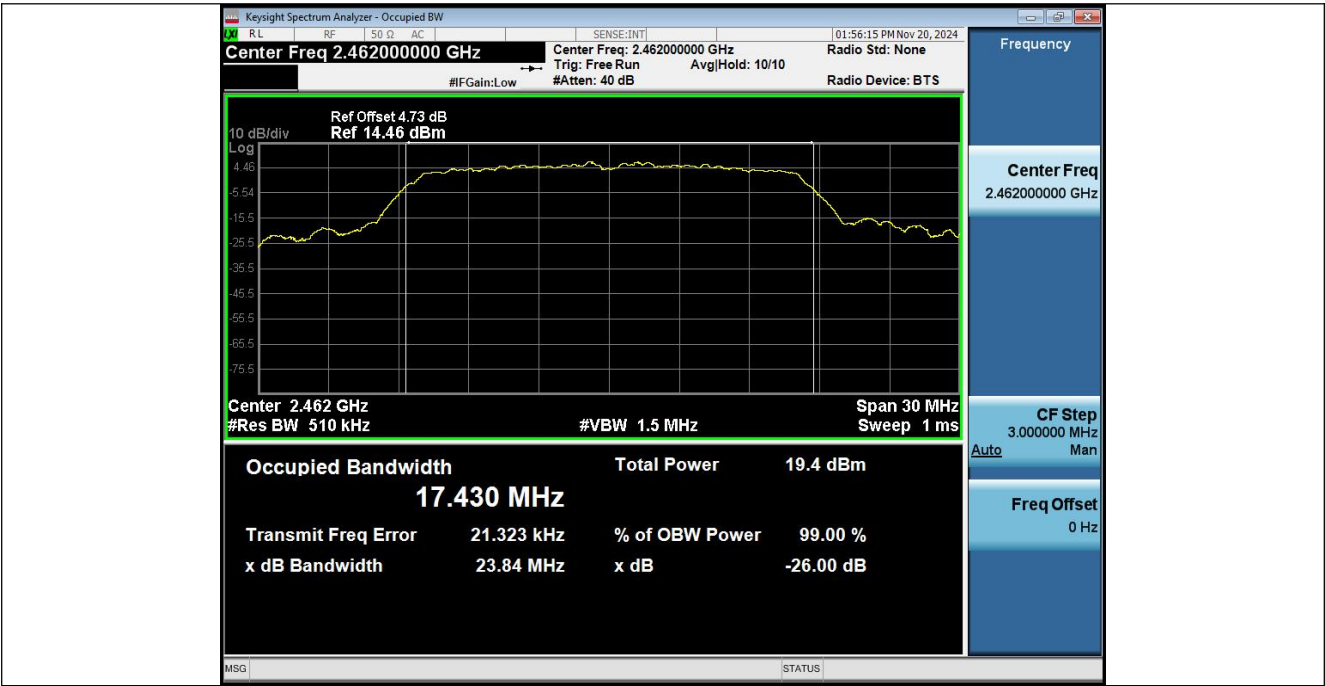
99% Occupied Bandwidth NVNT ANT1_802_11g_2412



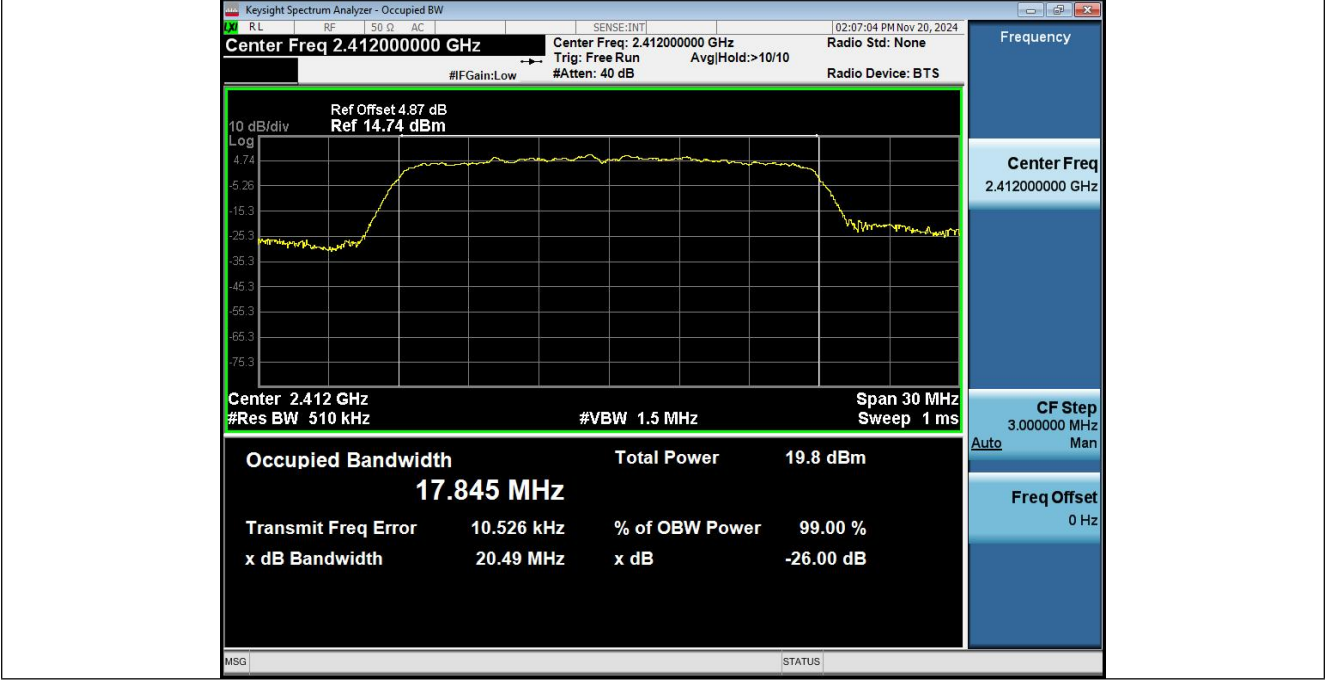
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2437



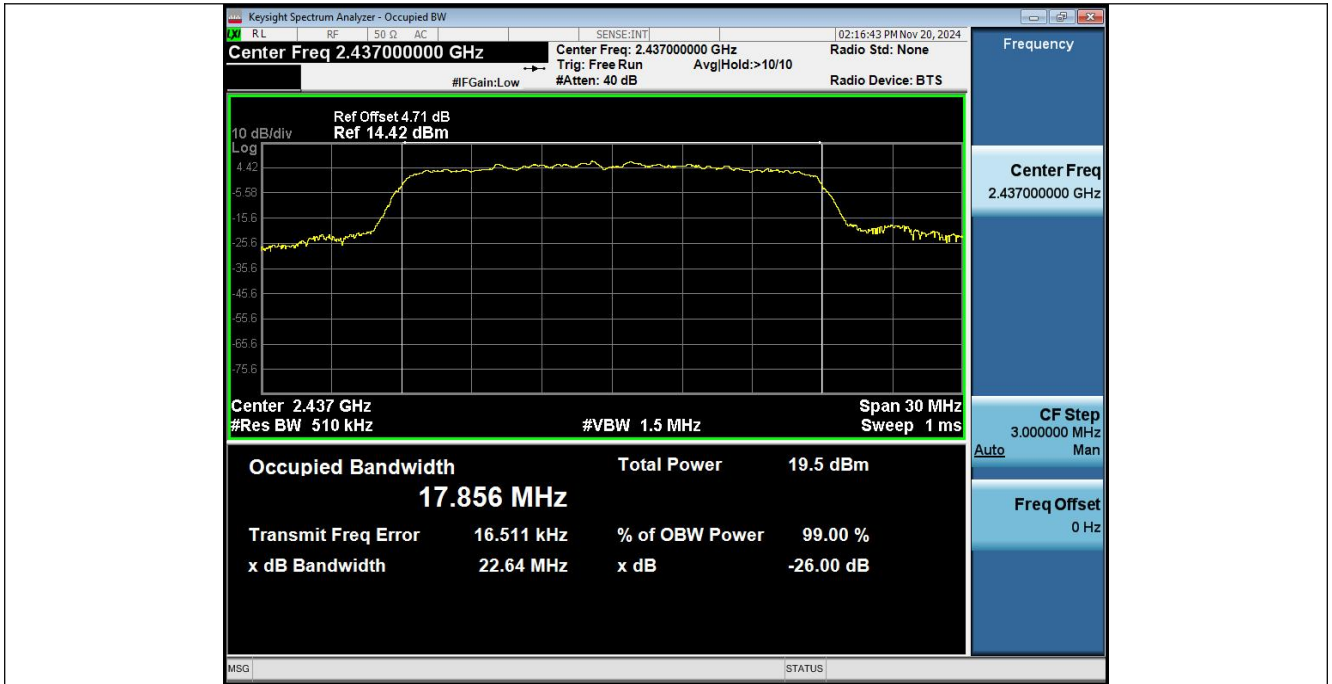
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



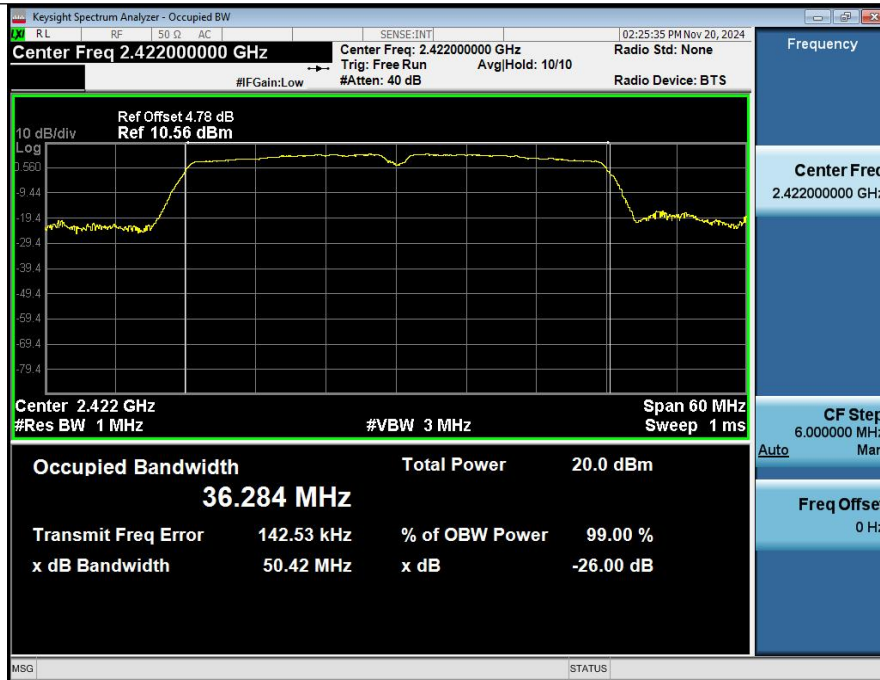
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



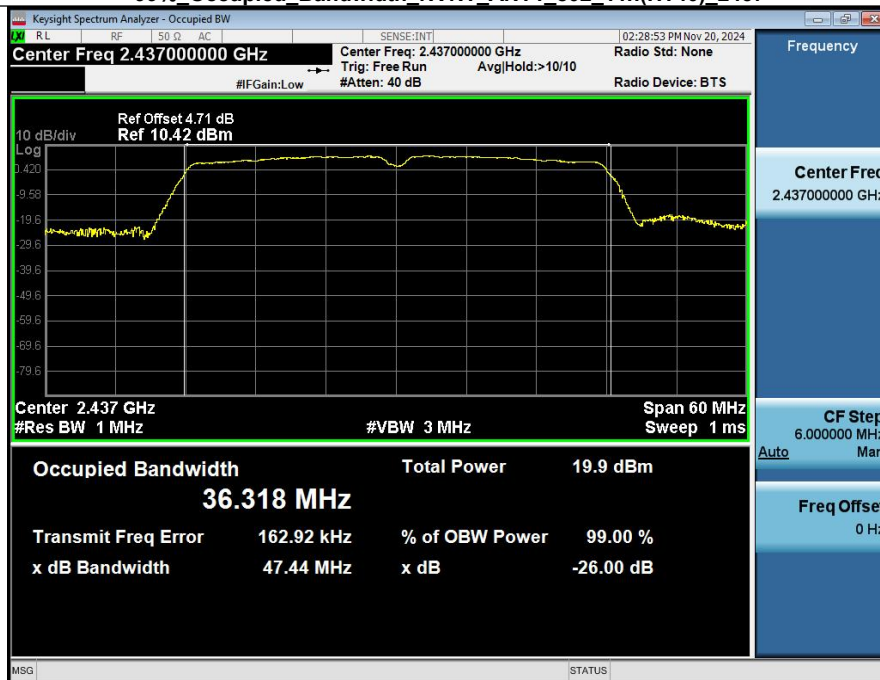
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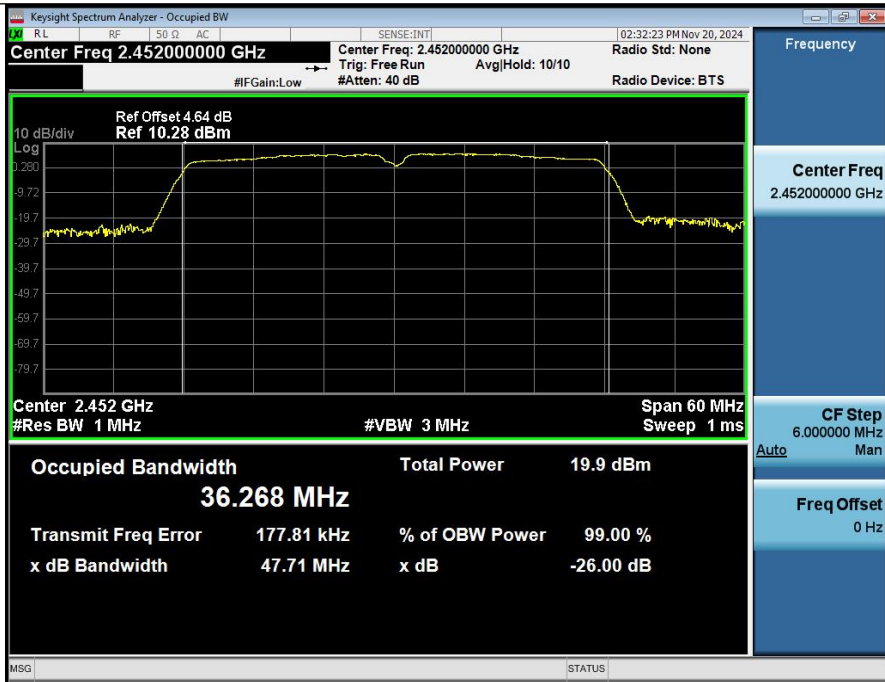
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

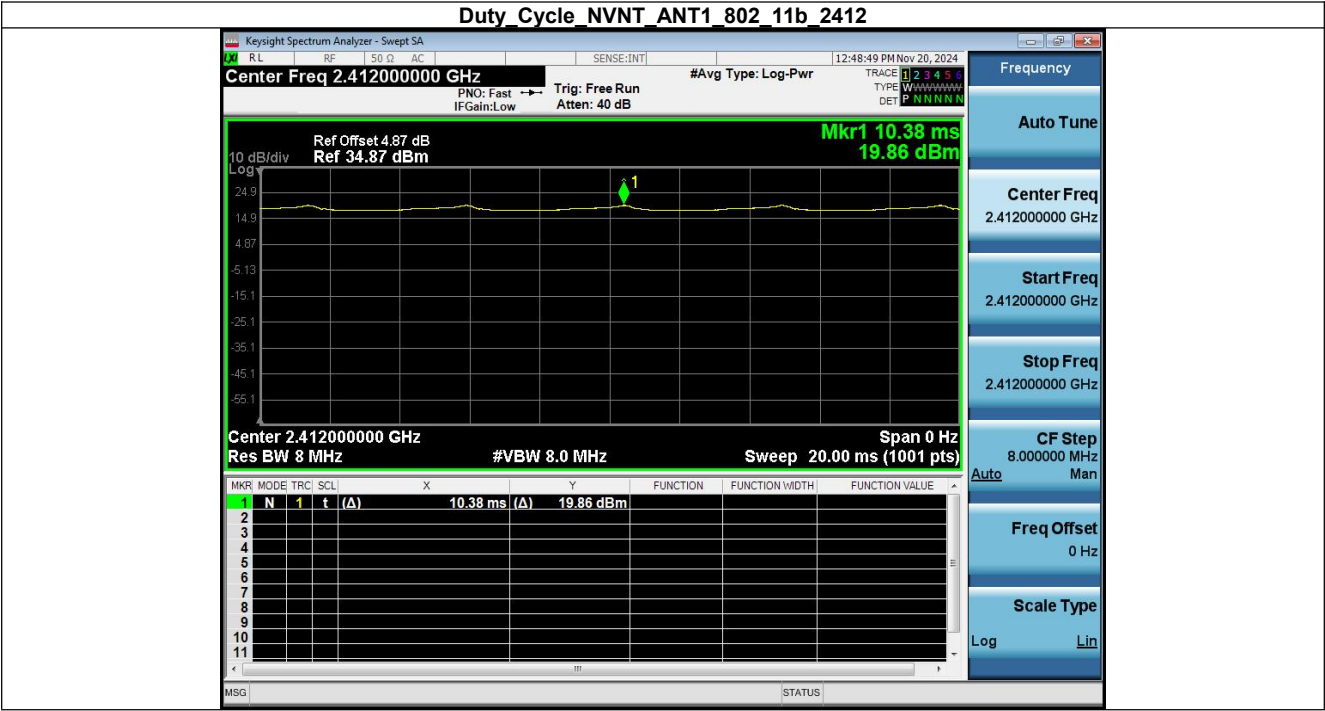


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

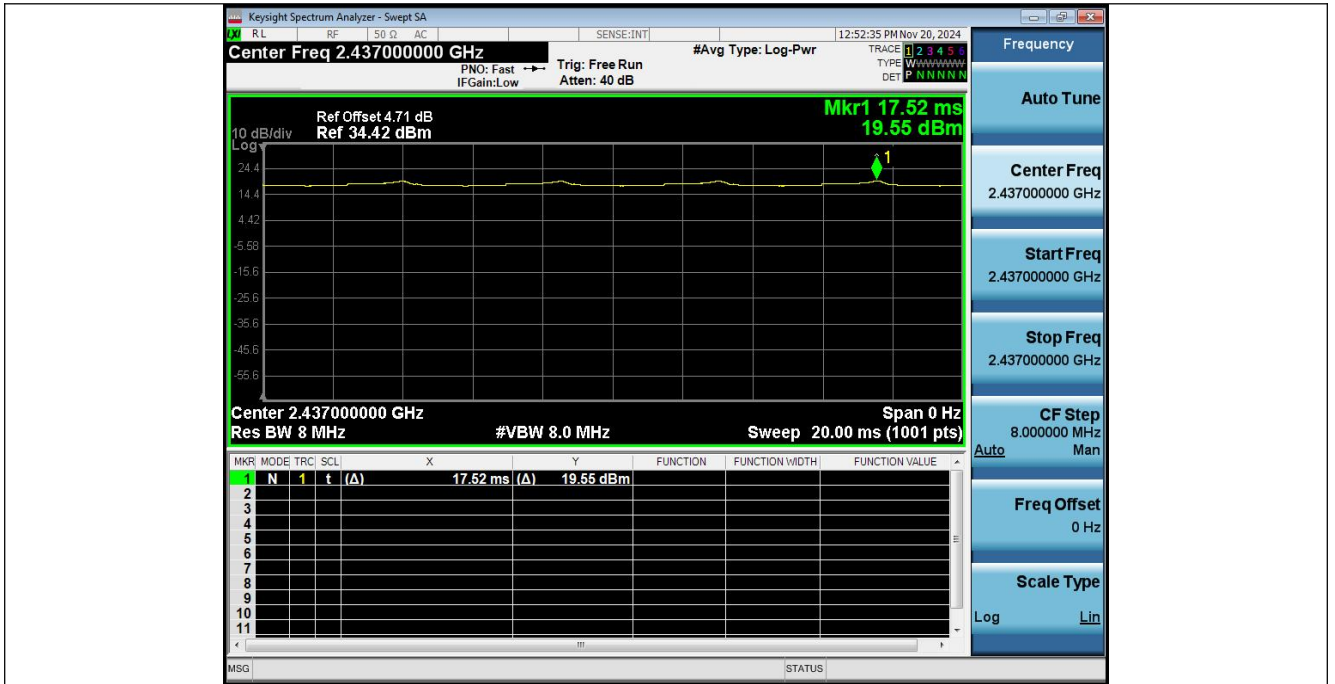


3. Duty Cycle

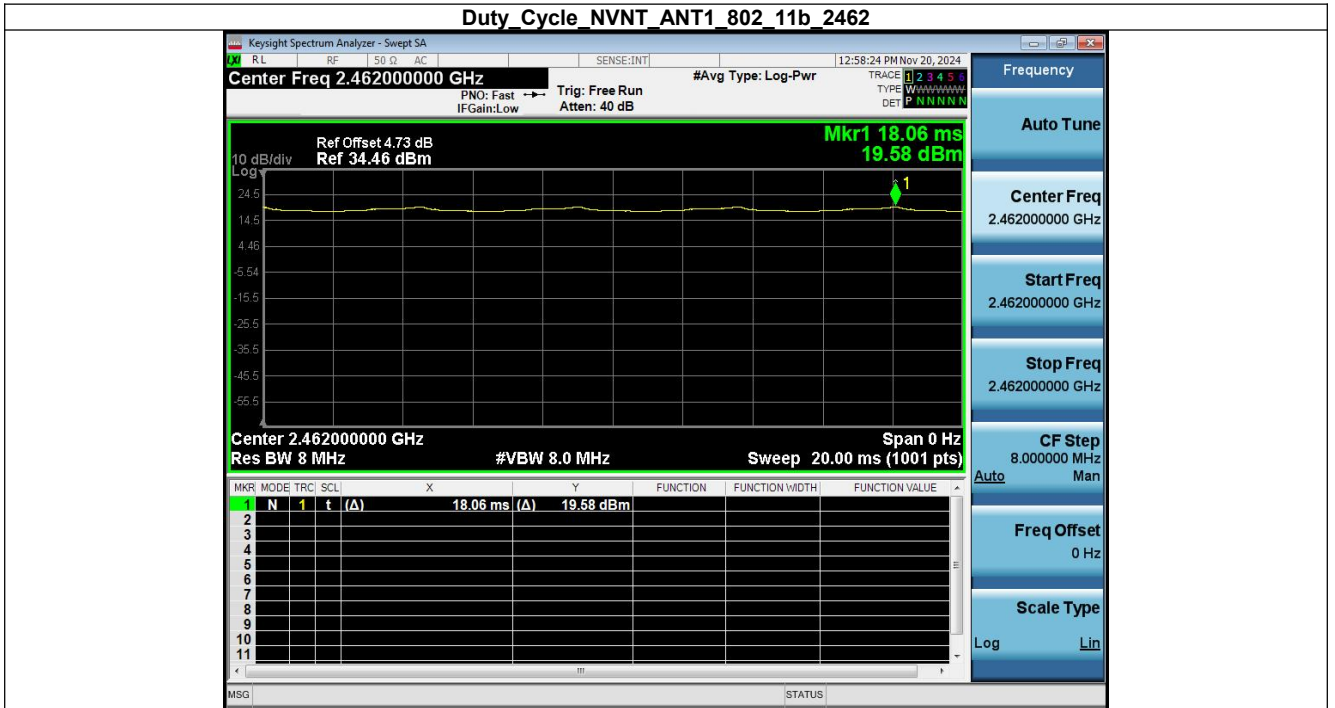
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	100	0.00
NVNT	ANT1	802.11b	2437.00	100	0.00
NVNT	ANT1	802.11b	2462.00	100	0.00
NVNT	ANT1	802.11g	2412.00	100	0.00
NVNT	ANT1	802.11g	2437.00	100	0.00
NVNT	ANT1	802.11g	2462.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2437.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	100	0.00
NVNT	ANT1	802.11n(HT40)	2422.00	100	0.00
NVNT	ANT1	802.11n(HT40)	2437.00	100	0.00
NVNT	ANT1	802.11n(HT40)	2452.00	100	0.00



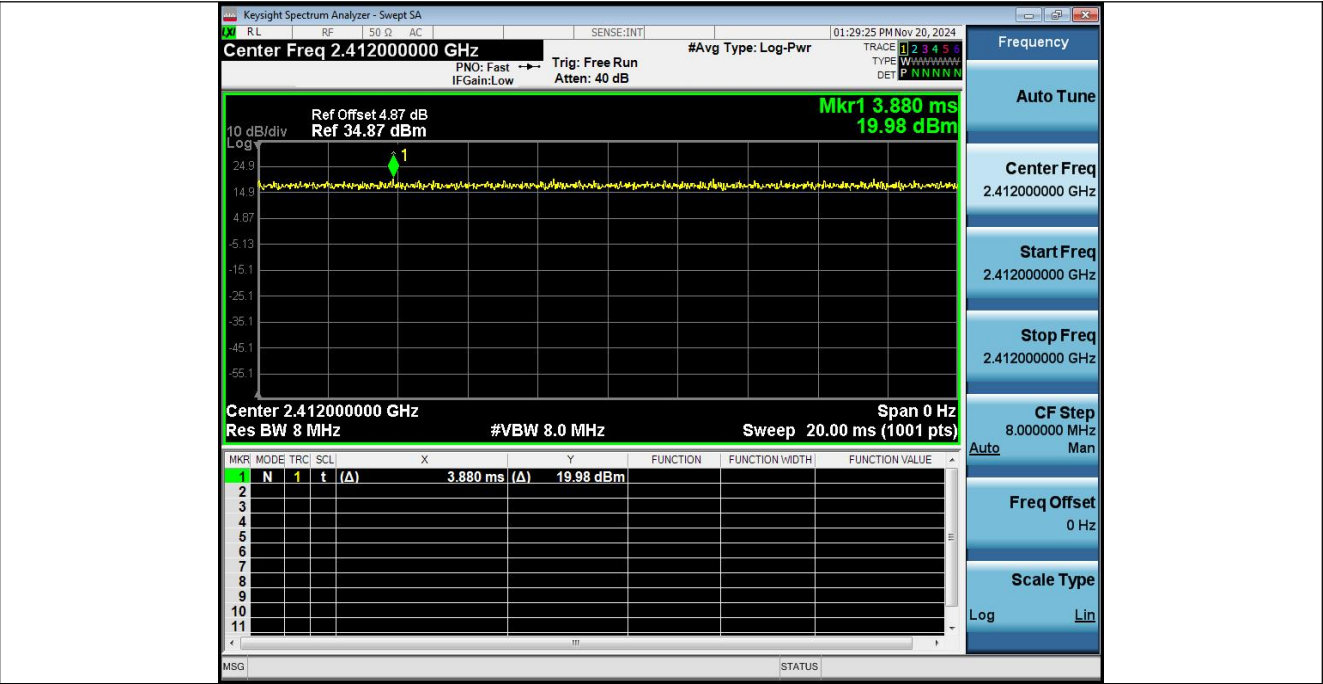
Duty Cycle NVNT ANT1 802 11b 2437



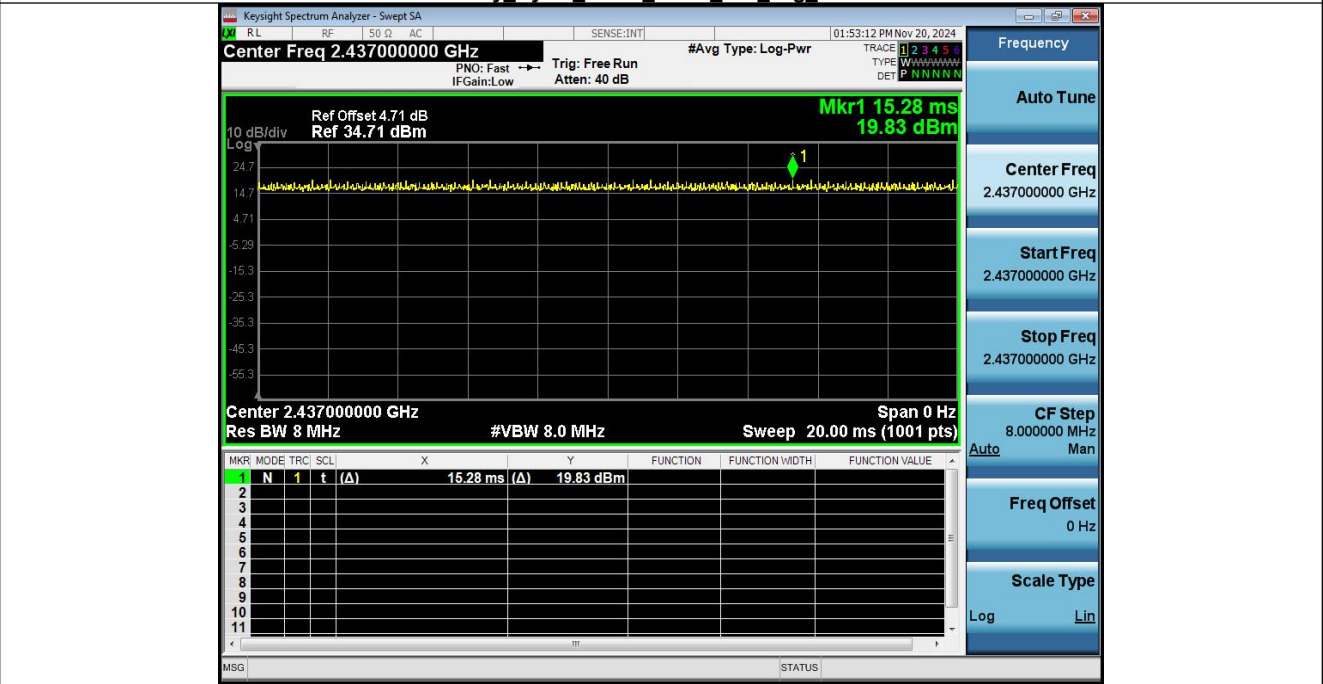
Duty_Cycle_NVNT_ANT1_802_11b_2462



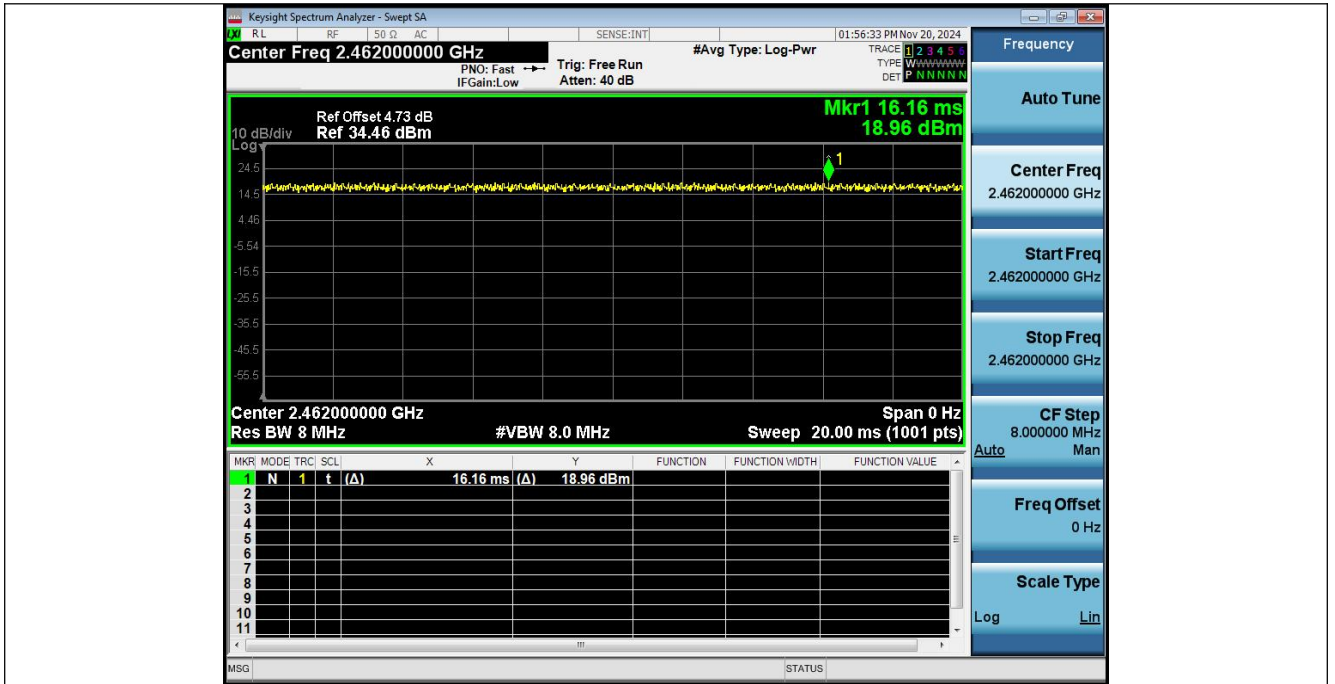
Duty_Cycle_NVNT_ANT1_802_11g_2412



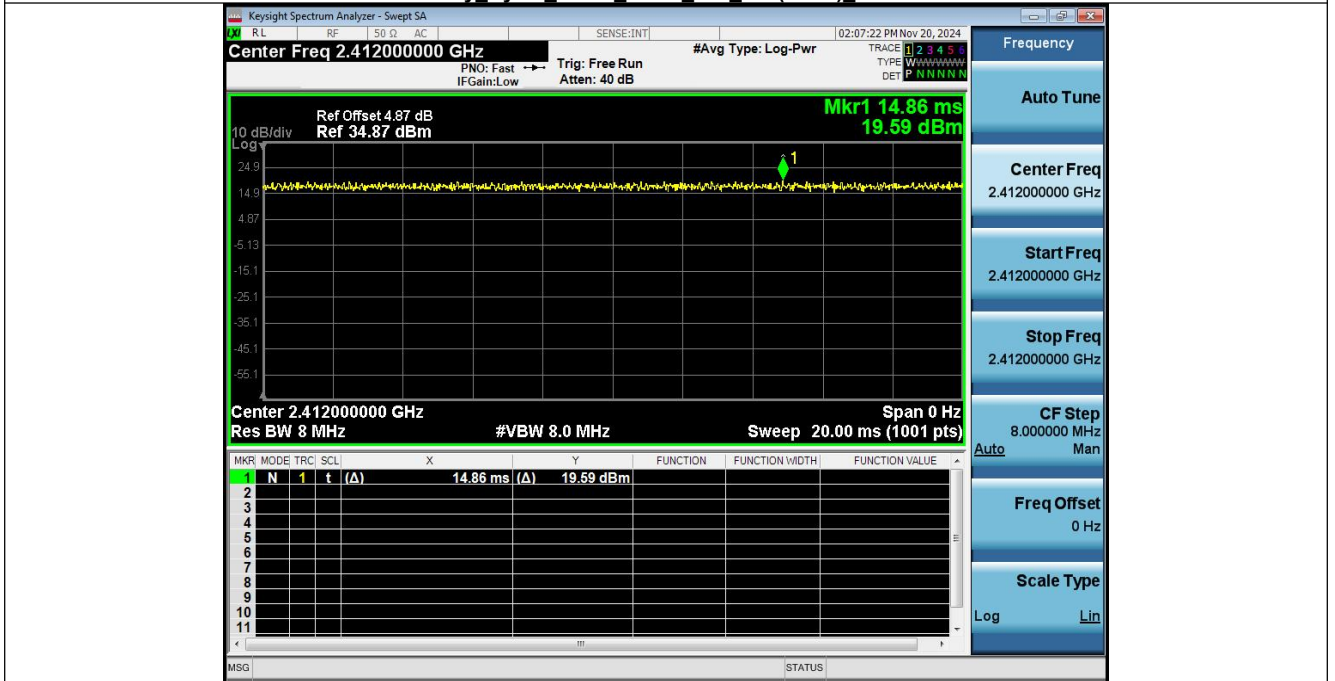
Duty_Cycle_NVNT_ANT1_802_11g_2437



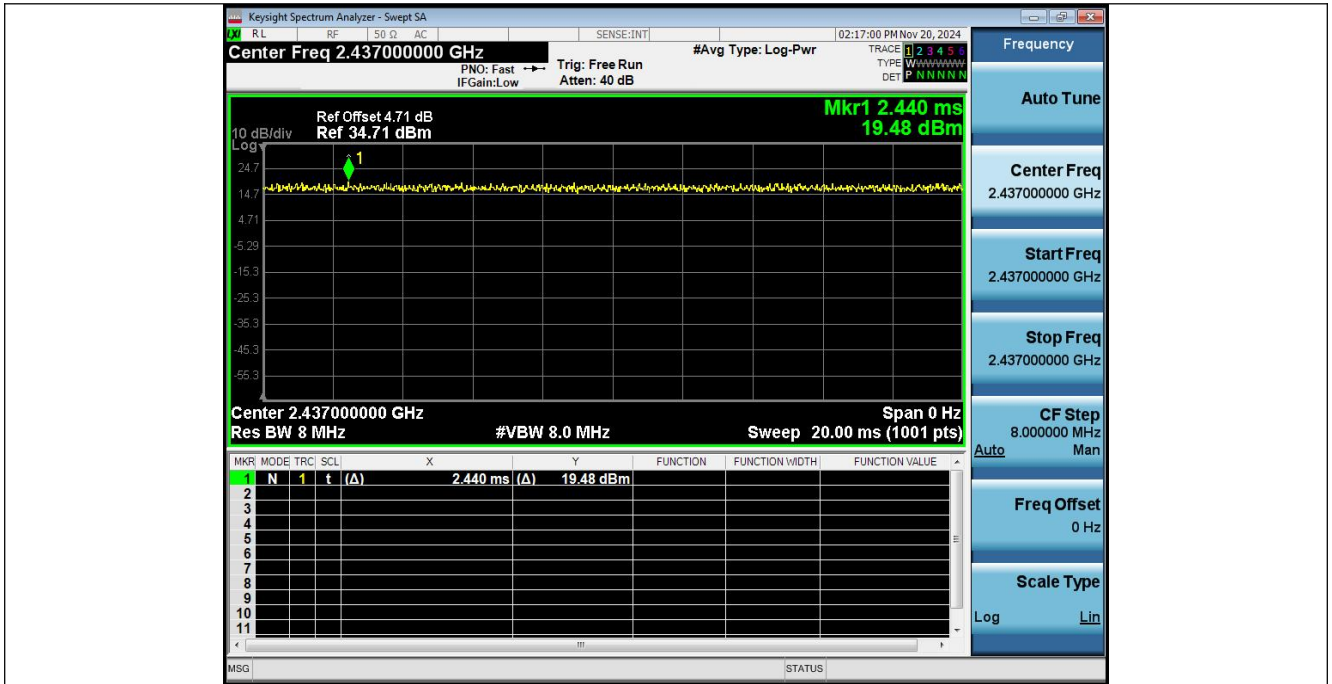
Duty_Cycle_NVNT_ANT1_802_11g_2462



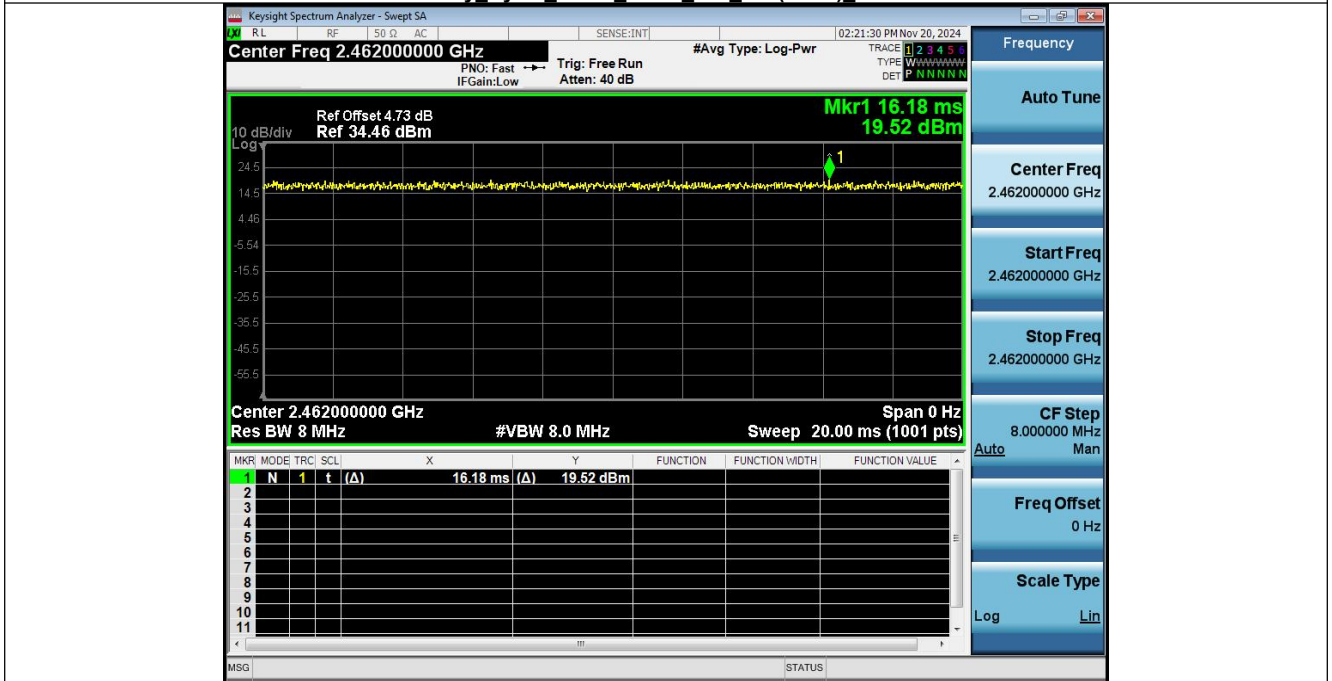
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



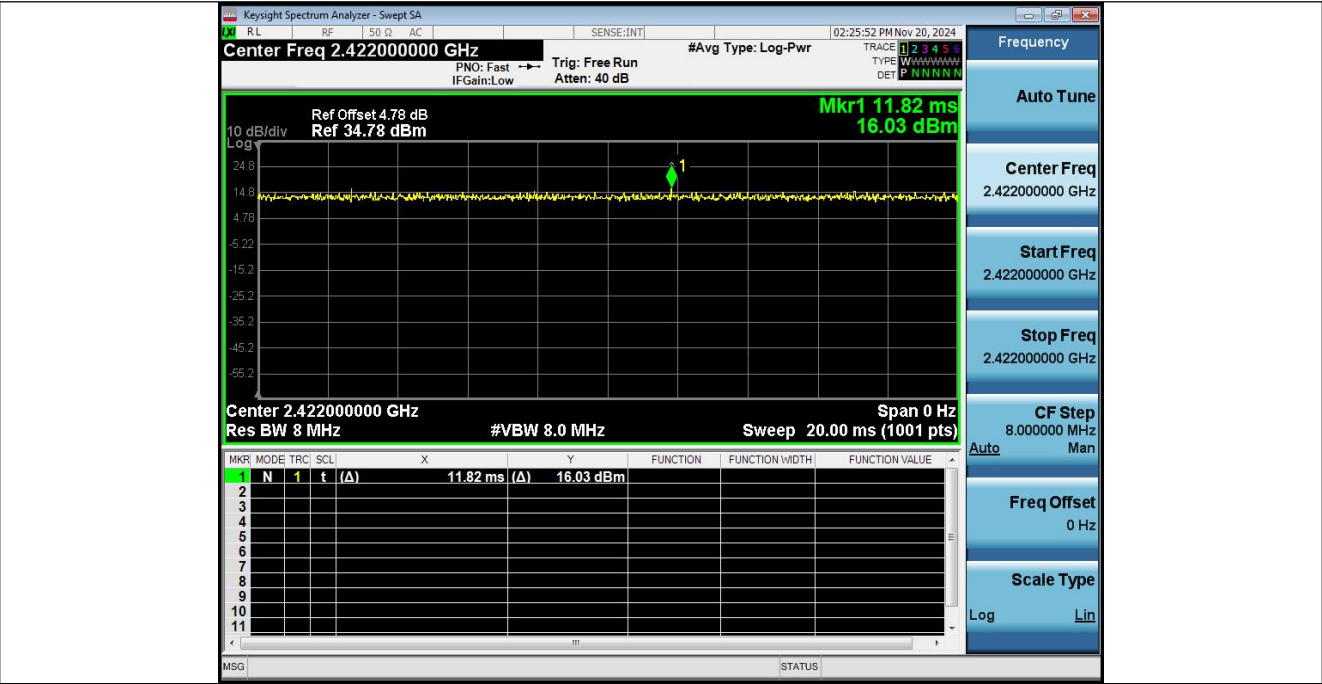
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



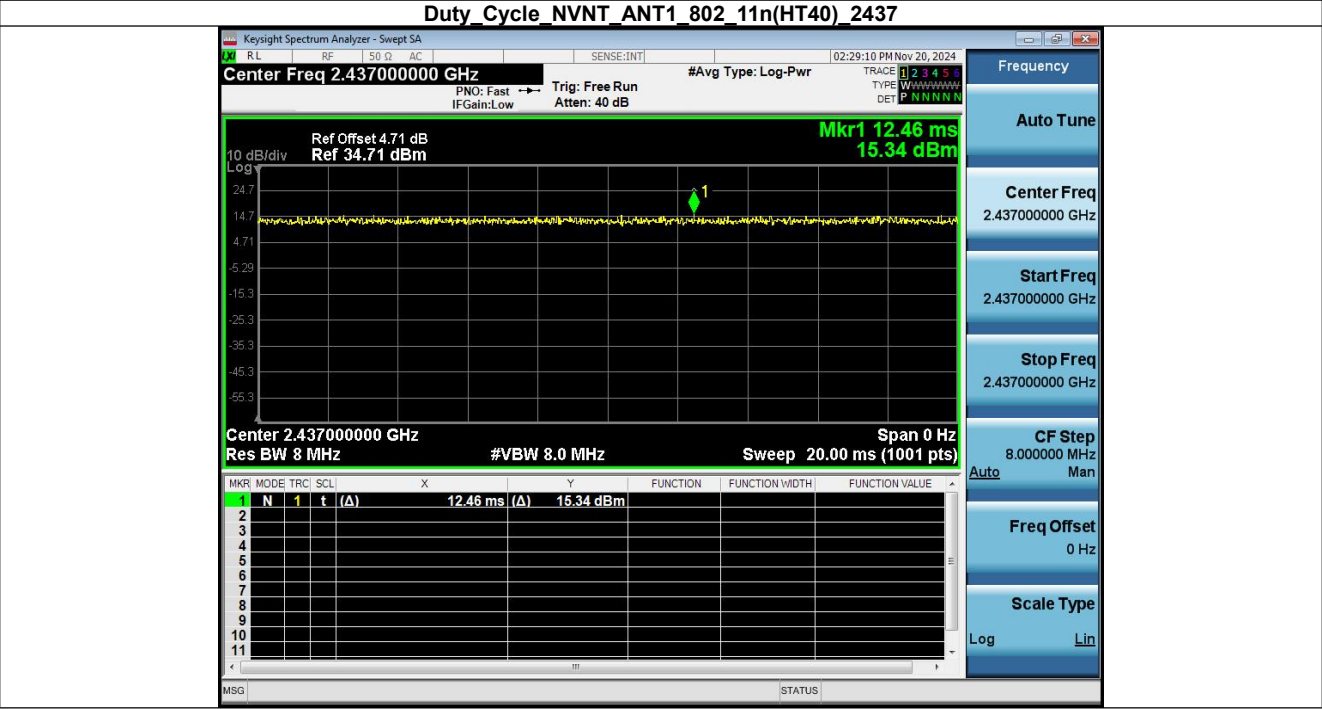
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



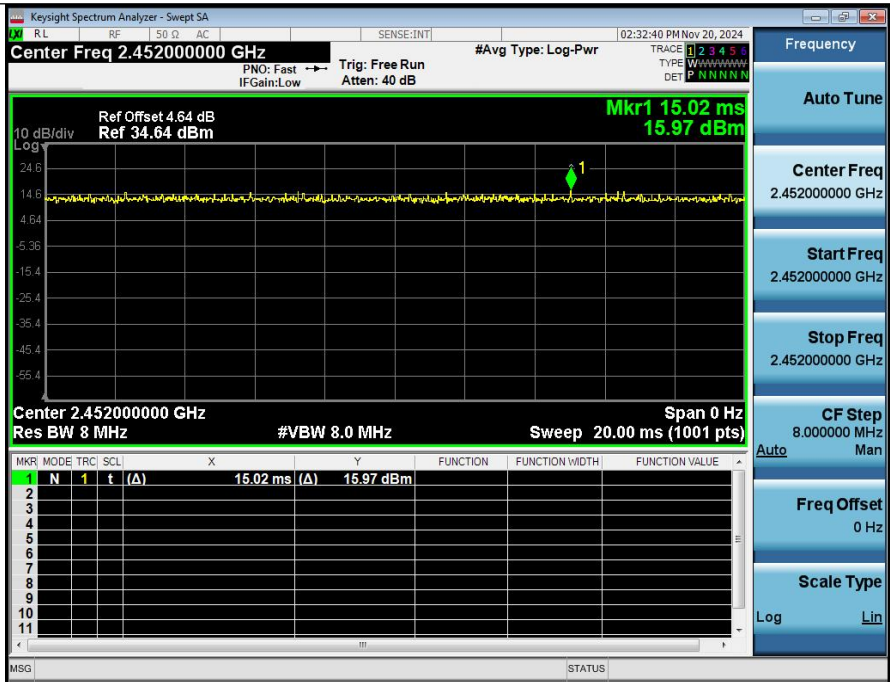
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2422



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	8.19	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	8.45	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	8.34	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	7.68	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	7.13	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	7.28	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	6.60	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	6.30	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	6.36	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	6.69	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	6.66	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	6.66	30	Pass

5. Power Spectral Density

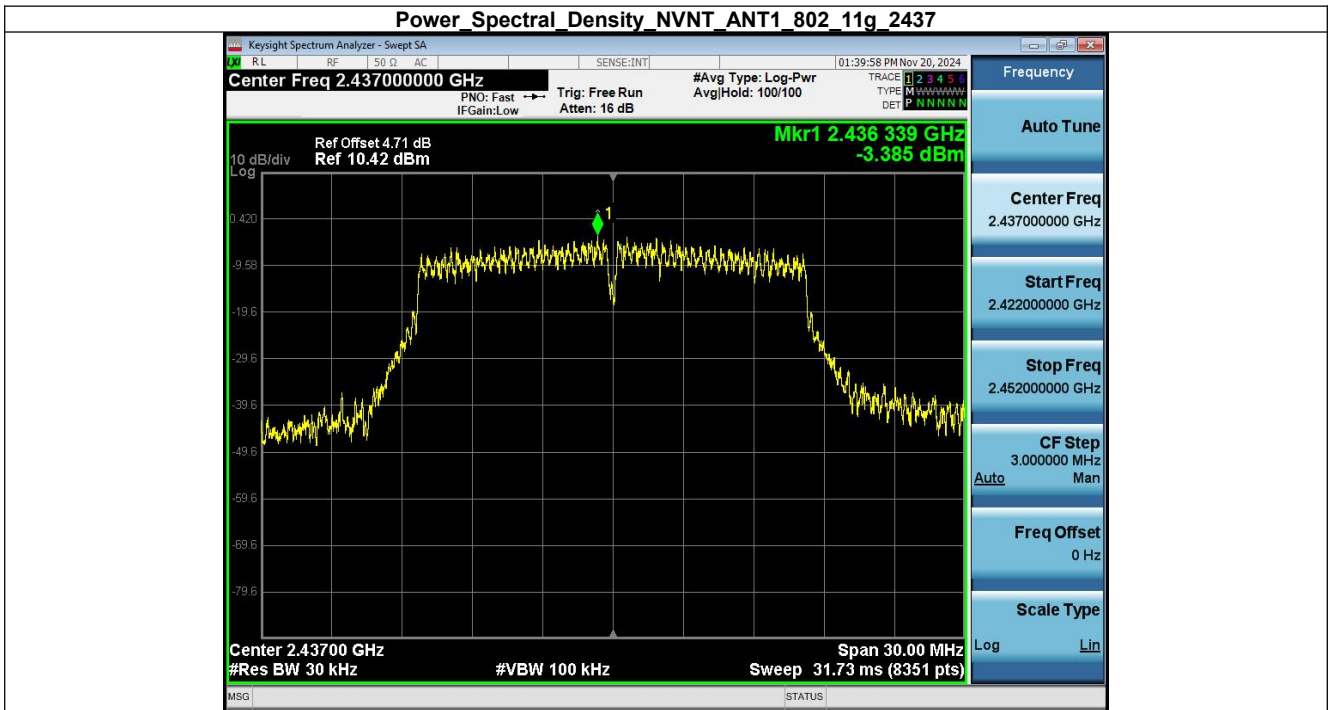
Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/3kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-0.59	N/A	-10.00	-10.59	8	Pass
NVNT	ANT1	802.11b	2437.00	-0.92	N/A	-10.00	-10.92	8	Pass
NVNT	ANT1	802.11b	2462.00	-0.63	N/A	-10.00	-10.63	8	Pass
NVNT	ANT1	802.11g	2412.00	-2.72	N/A	-10.00	-12.72	8	Pass
NVNT	ANT1	802.11g	2437.00	-3.38	N/A	-10.00	-13.38	8	Pass
NVNT	ANT1	802.11g	2462.00	-3.25	N/A	-10.00	-13.25	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-2.28	N/A	-10.00	-12.28	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-2.56	N/A	-10.00	-12.56	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-2.54	N/A	-10.00	-12.54	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-7.31	N/A	-10.00	-17.31	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-7.44	N/A	-10.00	-17.44	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-7.49	N/A	-10.00	-17.49	8	Pass



Power_Spectral_Density_NVNT_ANT1_802_11b_2437



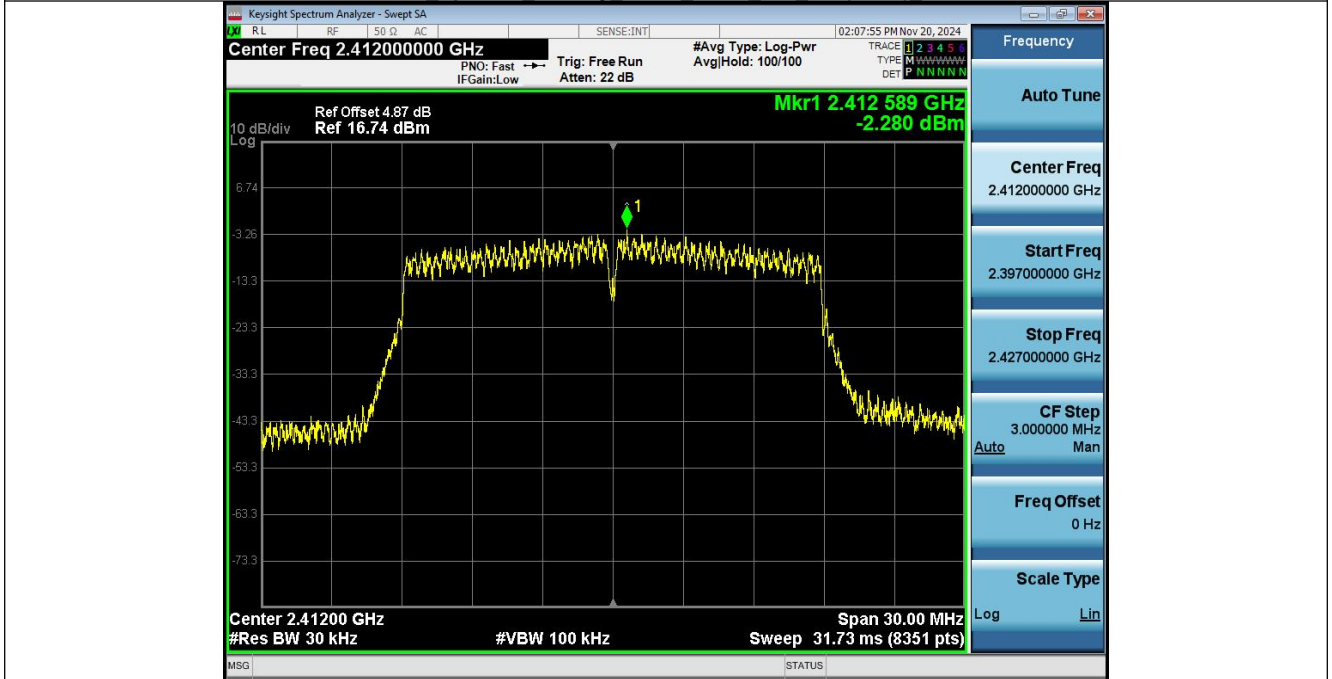
Power Spectral Density NVNT ANT1_802_11g_2412



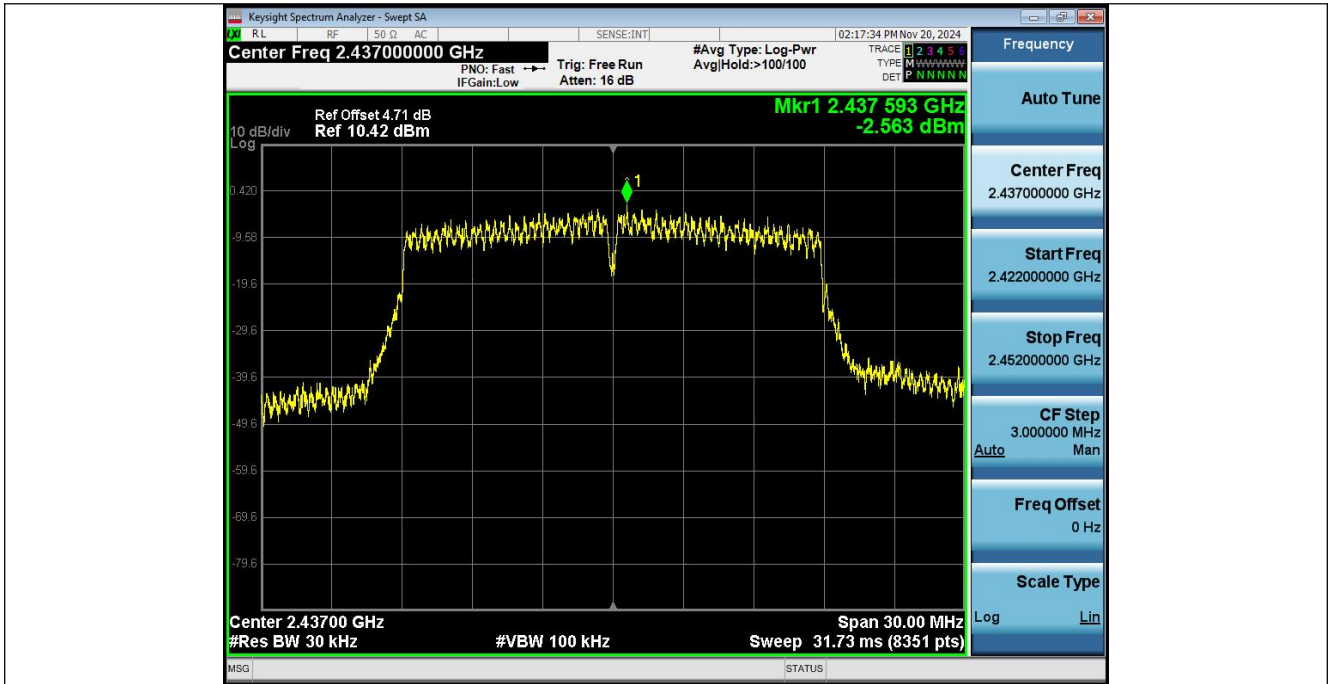
Power_Spectral_Density_NVNT_ANT1_802_11g_2462



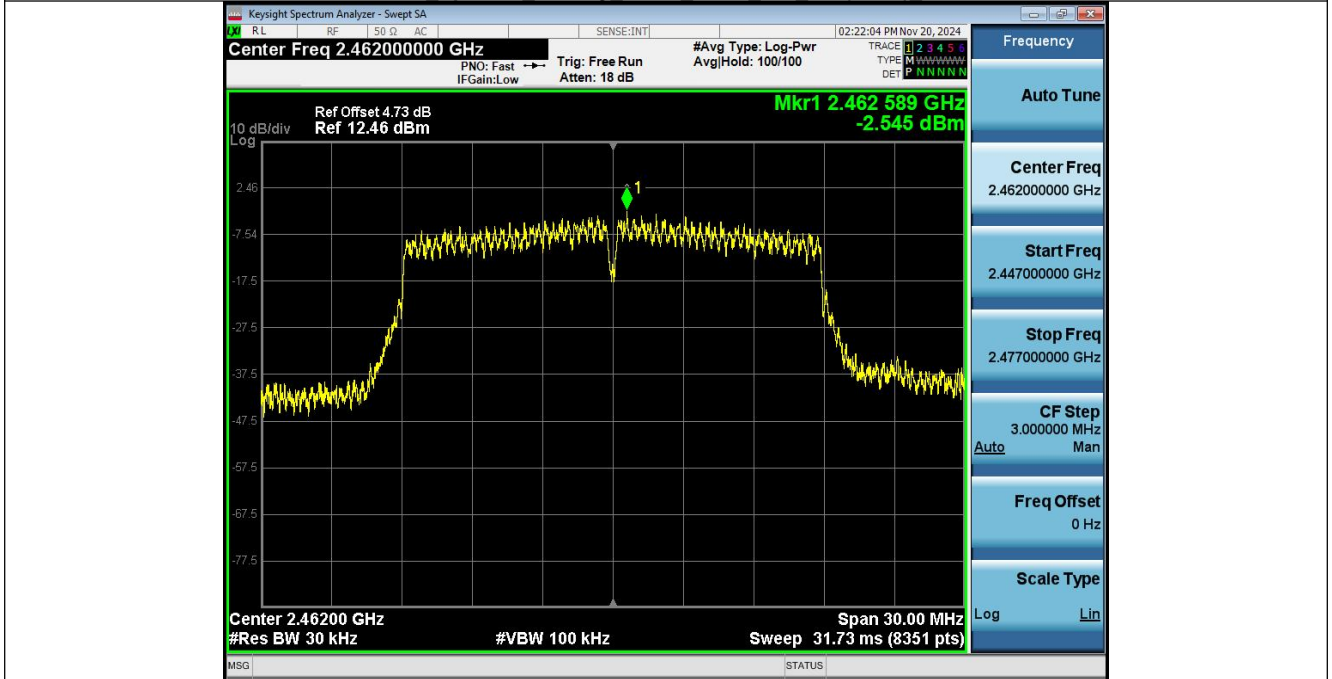
Power Spectral Density NVNT ANT1 802_11n(HT20)_2412



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