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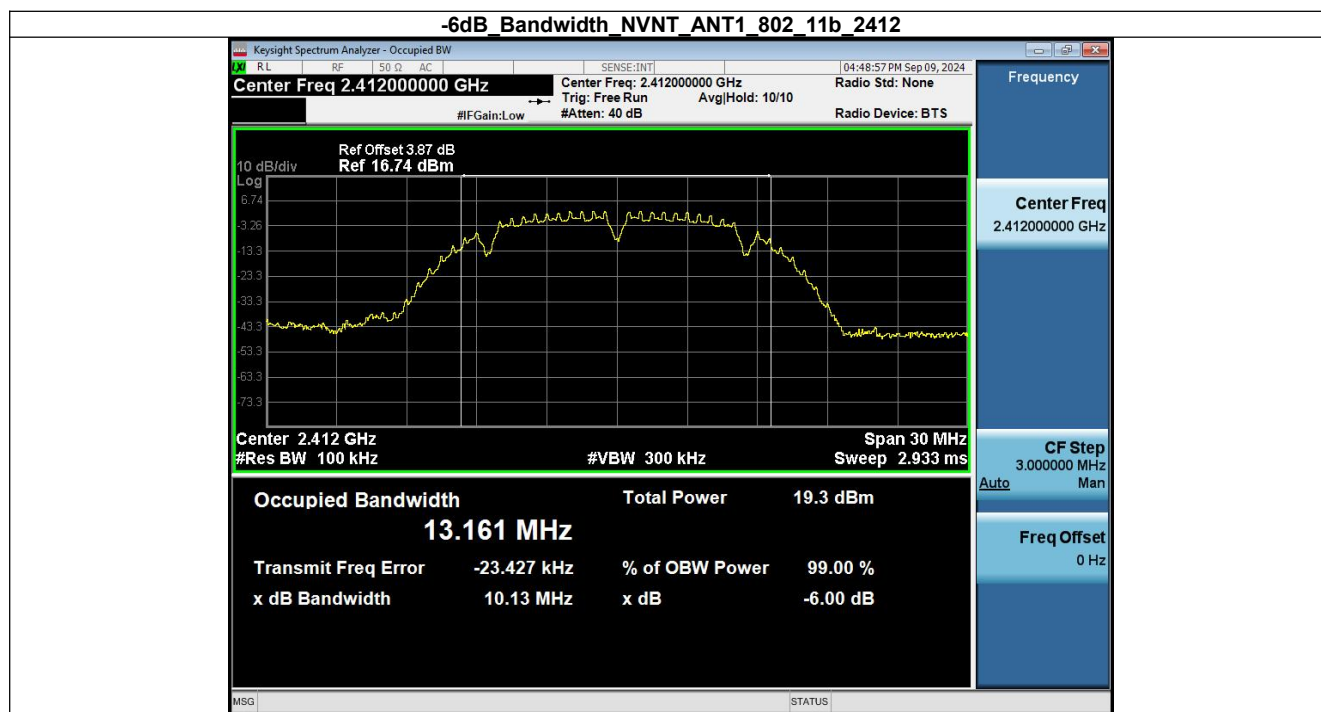
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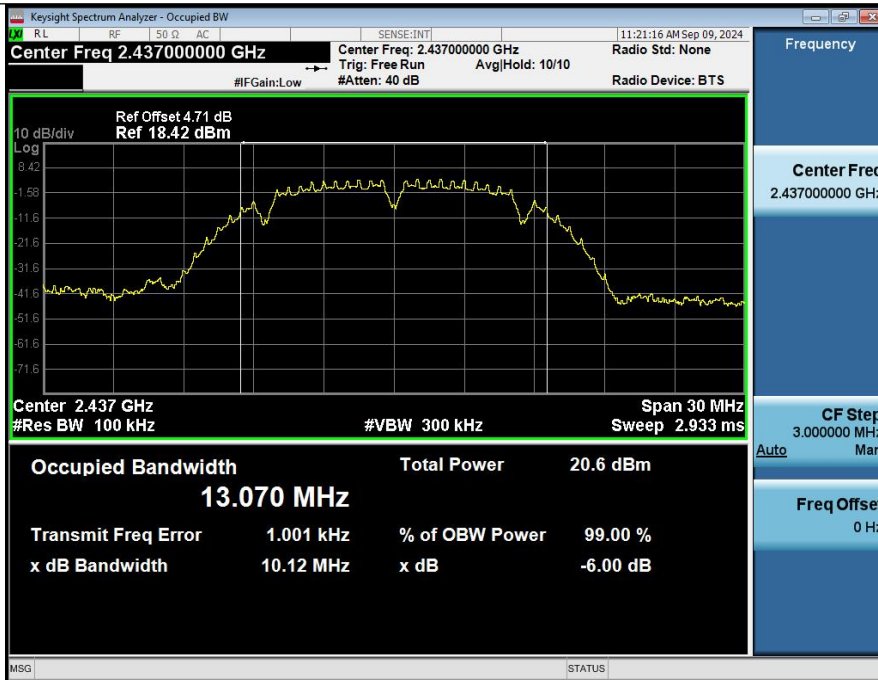
FCC ID&IC ID WIFI2.4

FCC&IC_2.4G_WIFI (Part15.247&RSS-247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.13	500	Pass
NVNT	ANT1	802.11b	2437.00	10.12	500	Pass
NVNT	ANT1	802.11b	2462.00	10.11	500	Pass
NVNT	ANT1	802.11g	2412.00	16.45	500	Pass
NVNT	ANT1	802.11g	2437.00	16.42	500	Pass
NVNT	ANT1	802.11g	2462.00	16.41	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.63	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.65	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.61	500	Pass

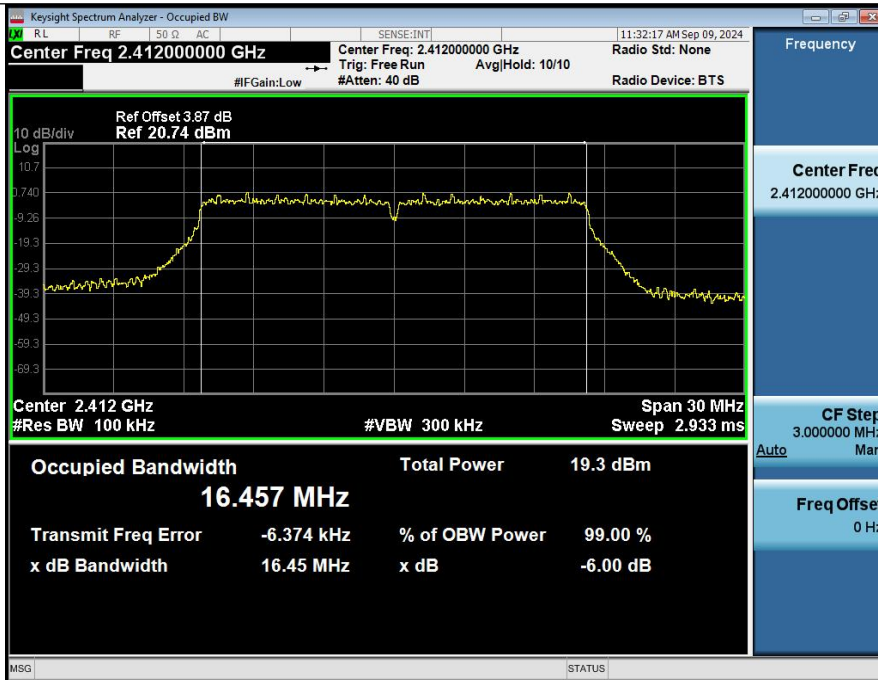




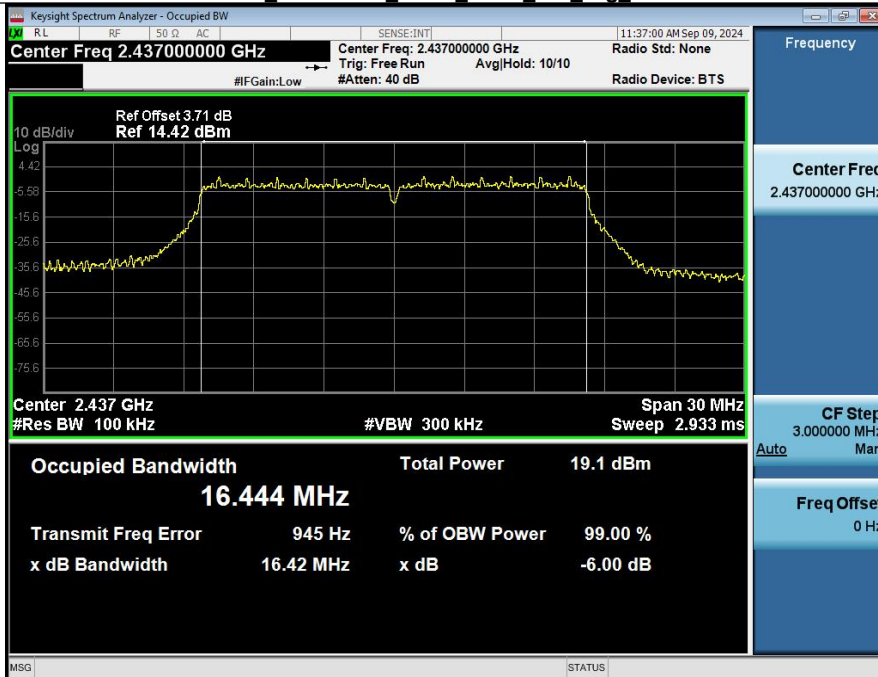
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



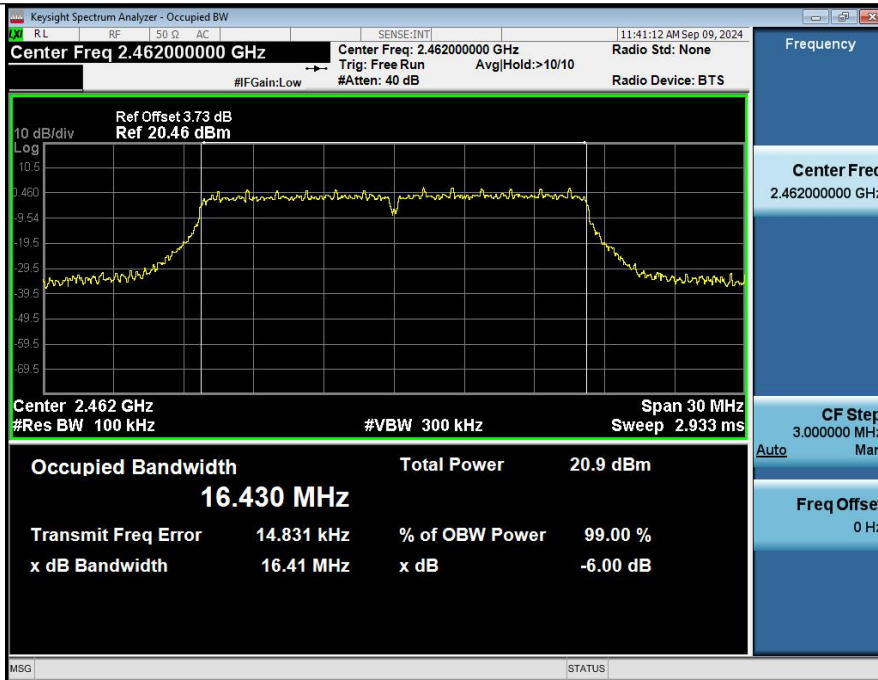
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



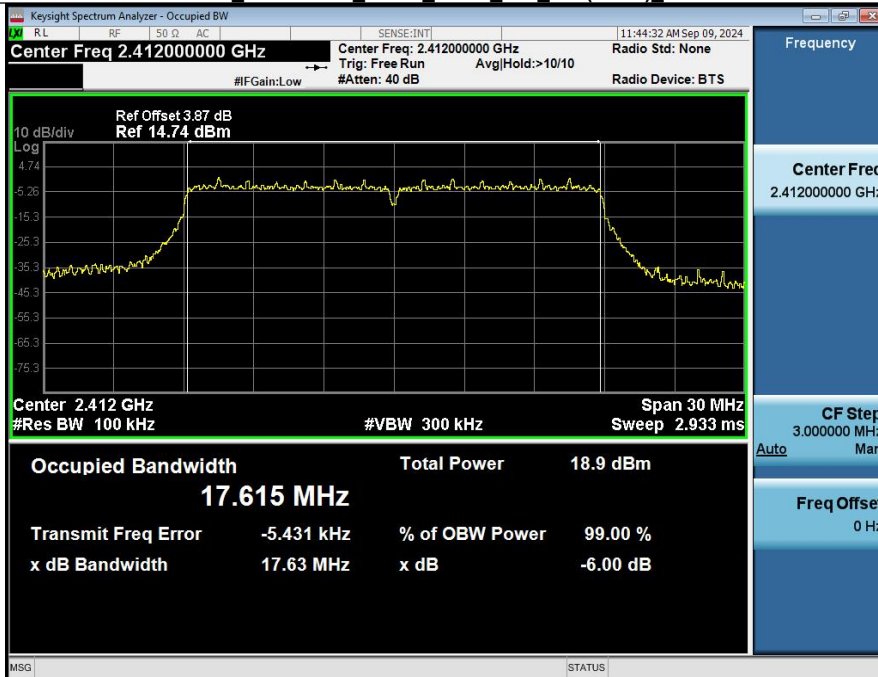
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



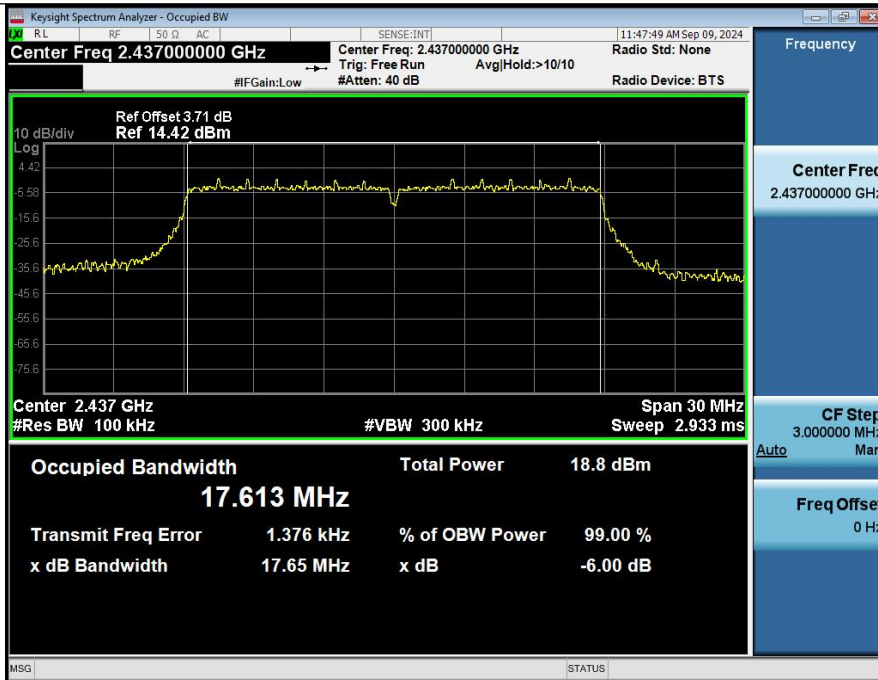
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



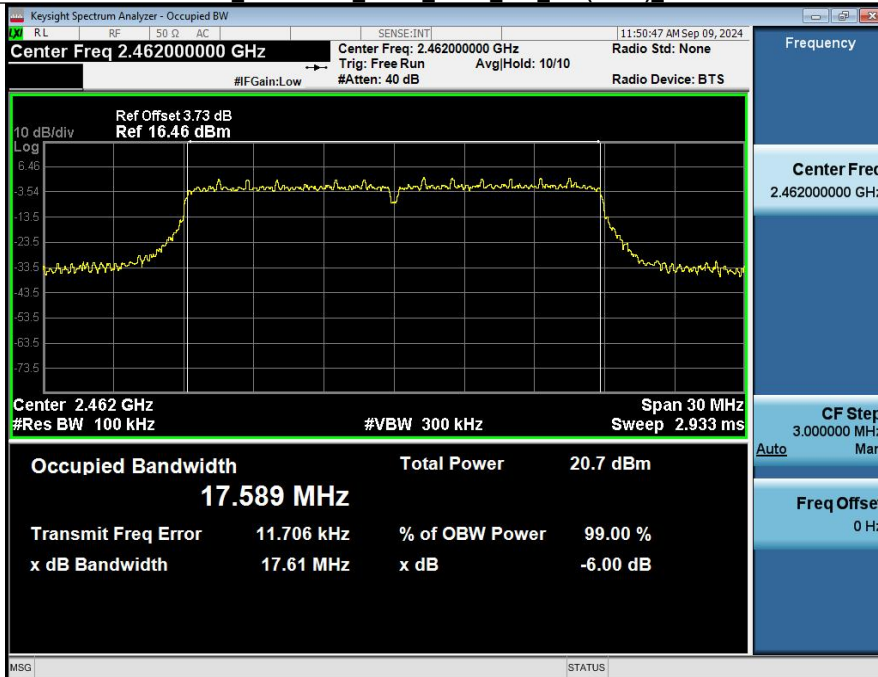
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

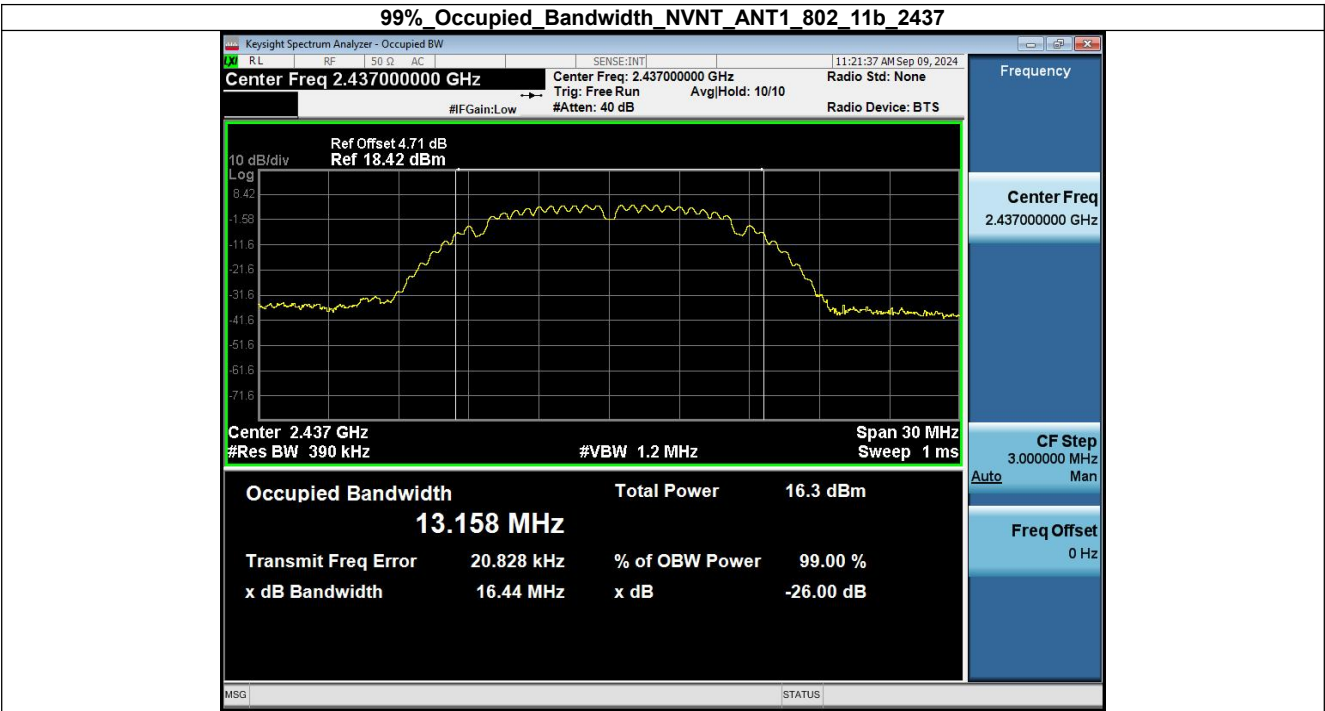
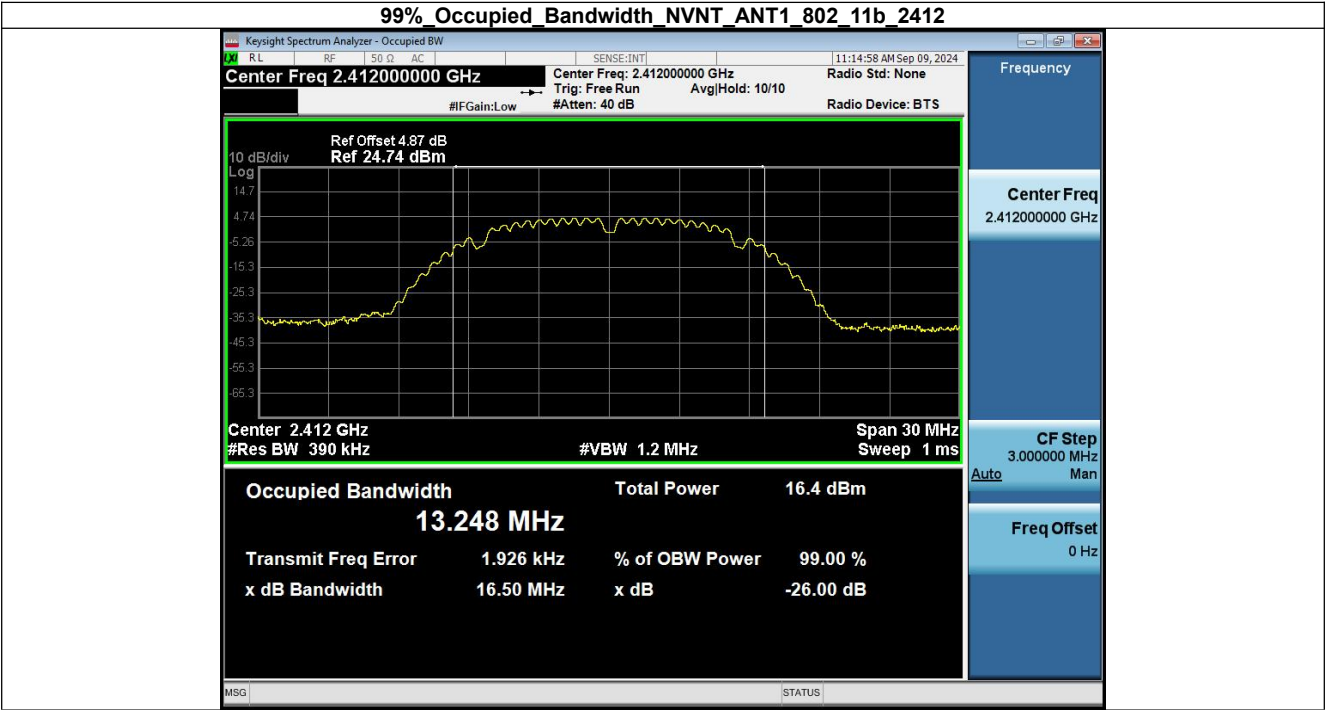


-6dB Bandwidth NVNT_ANT1 802_11n(HT20) 2462



2. 99% Occupied Bandwidth

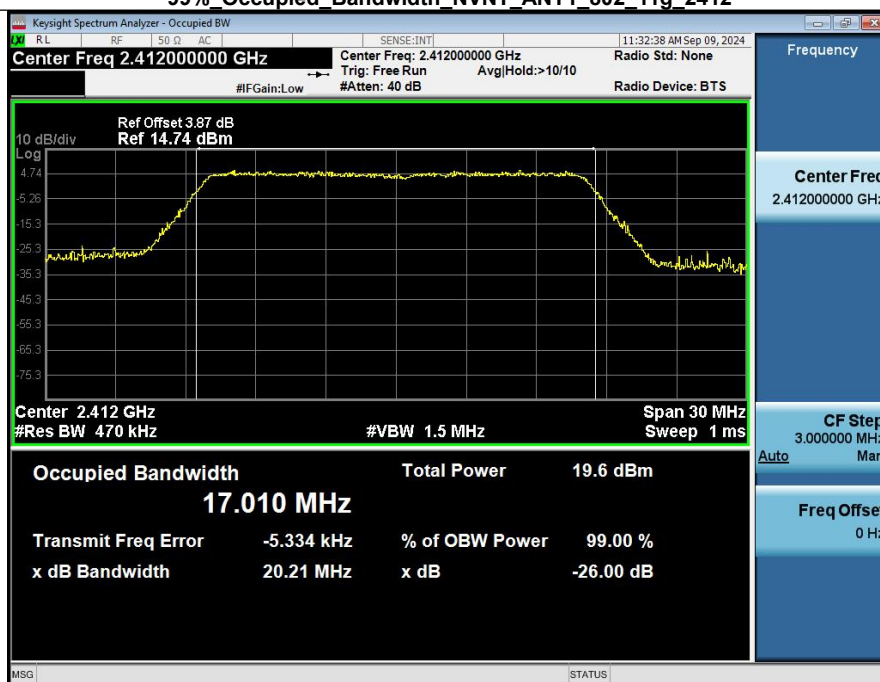
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.248
NVNT	ANT1	802.11b	2437.00	13.158
NVNT	ANT1	802.11b	2462.00	13.041
NVNT	ANT1	802.11g	2412.00	17.010
NVNT	ANT1	802.11g	2437.00	16.960
NVNT	ANT1	802.11g	2462.00	16.940
NVNT	ANT1	802.11n(HT20)	2412.00	17.906
NVNT	ANT1	802.11n(HT20)	2437.00	17.951
NVNT	ANT1	802.11n(HT20)	2462.00	17.881



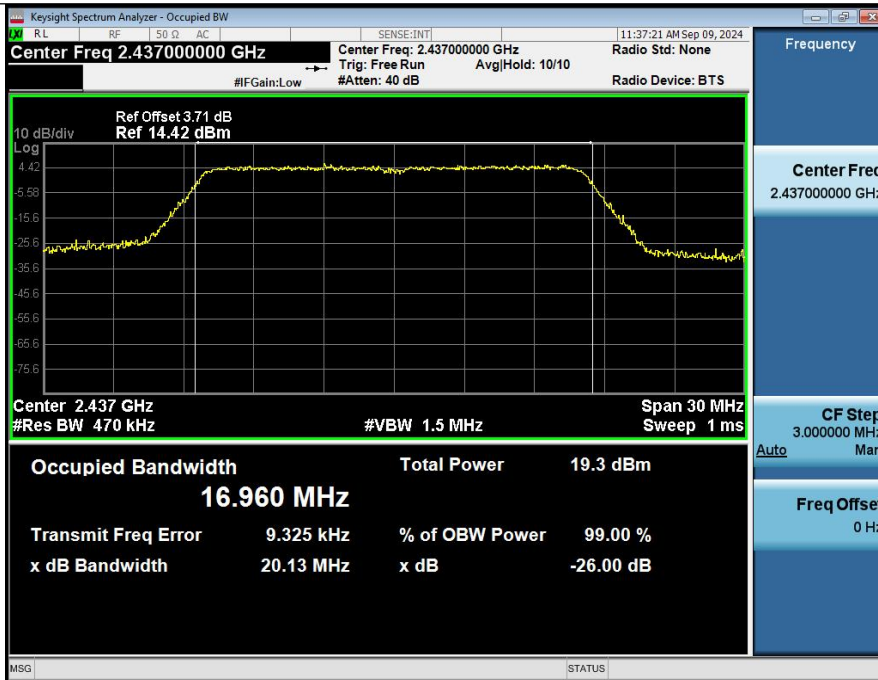
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



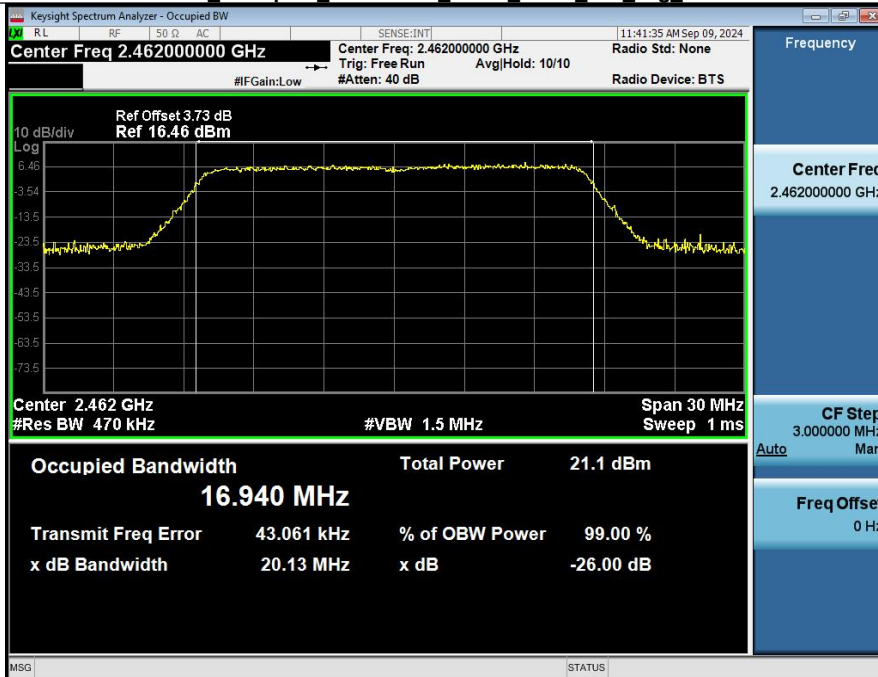
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



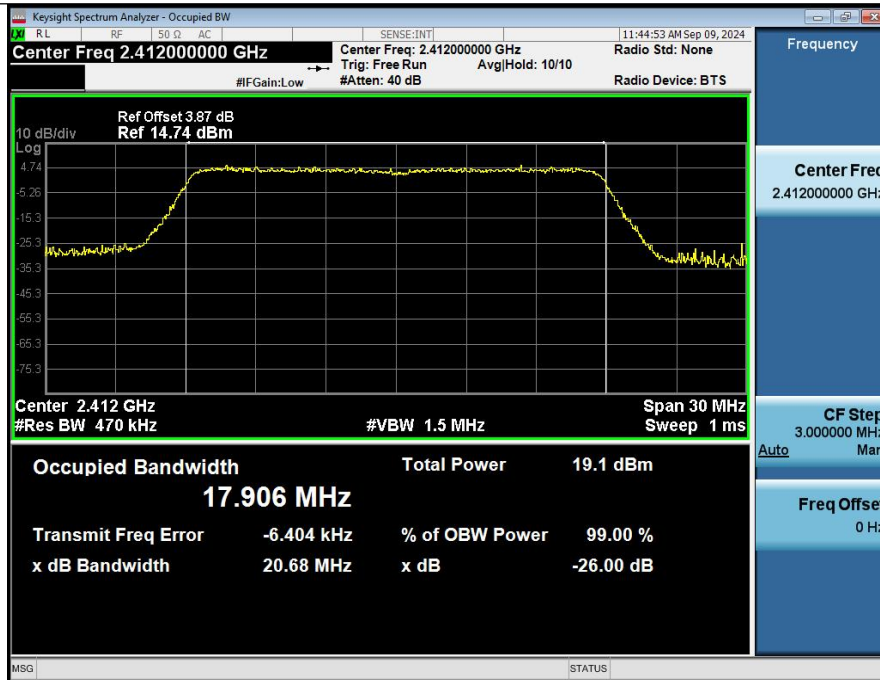
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437



99% Occupied Bandwidth_NVNT_ANT1_802_11g_2462



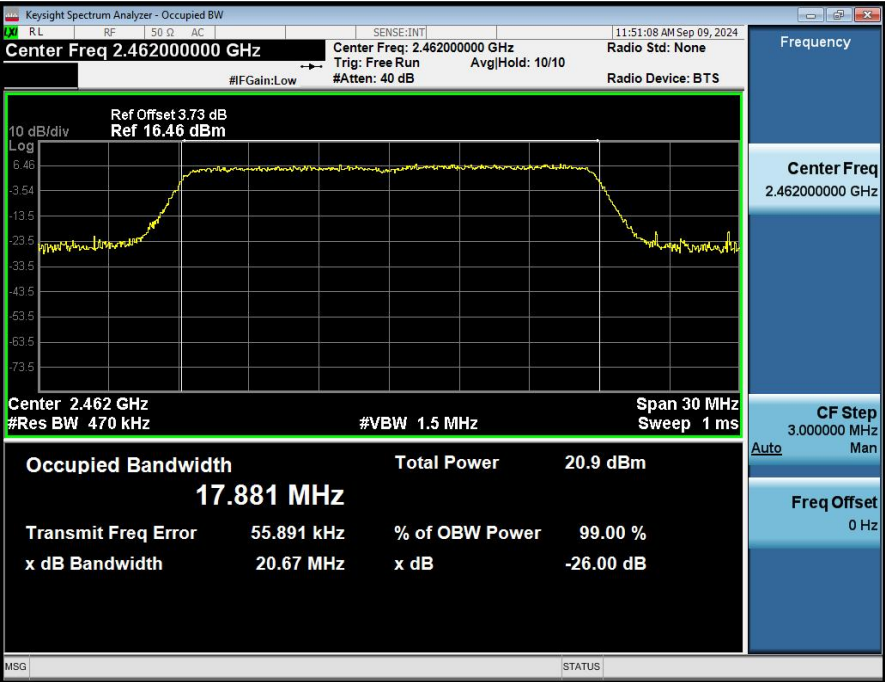
99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

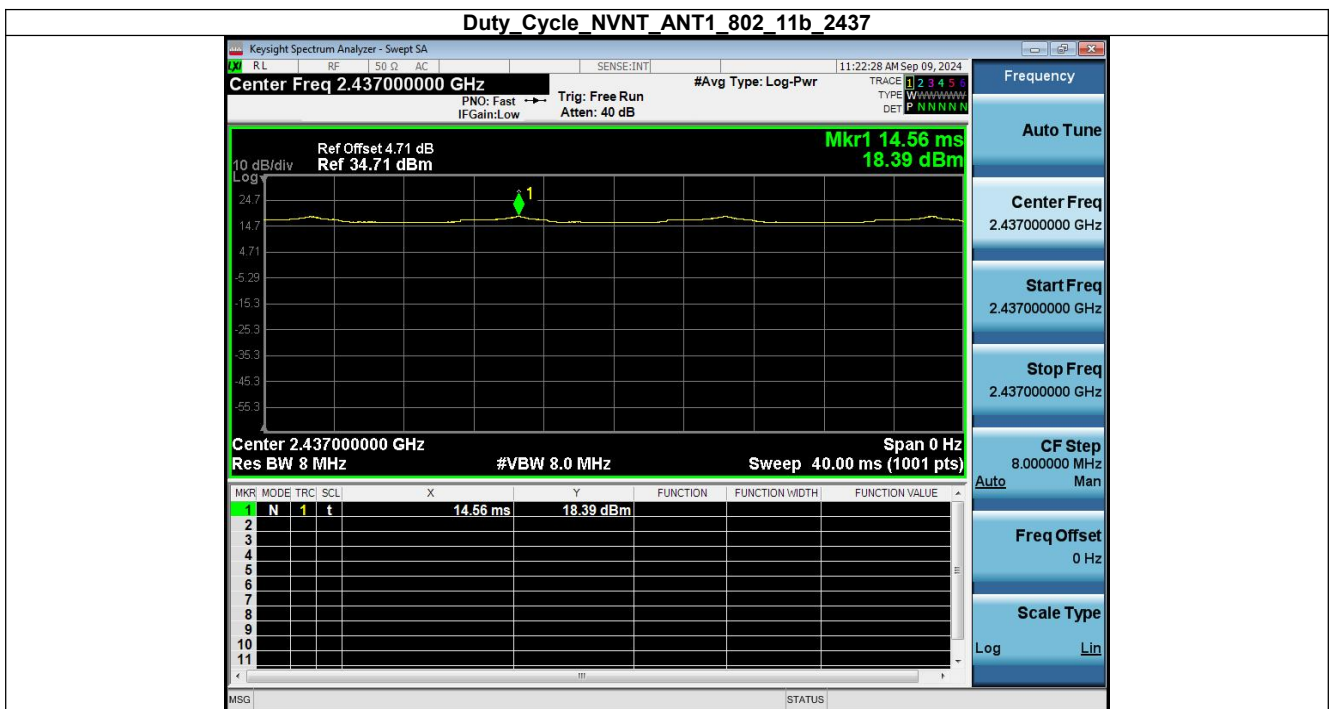
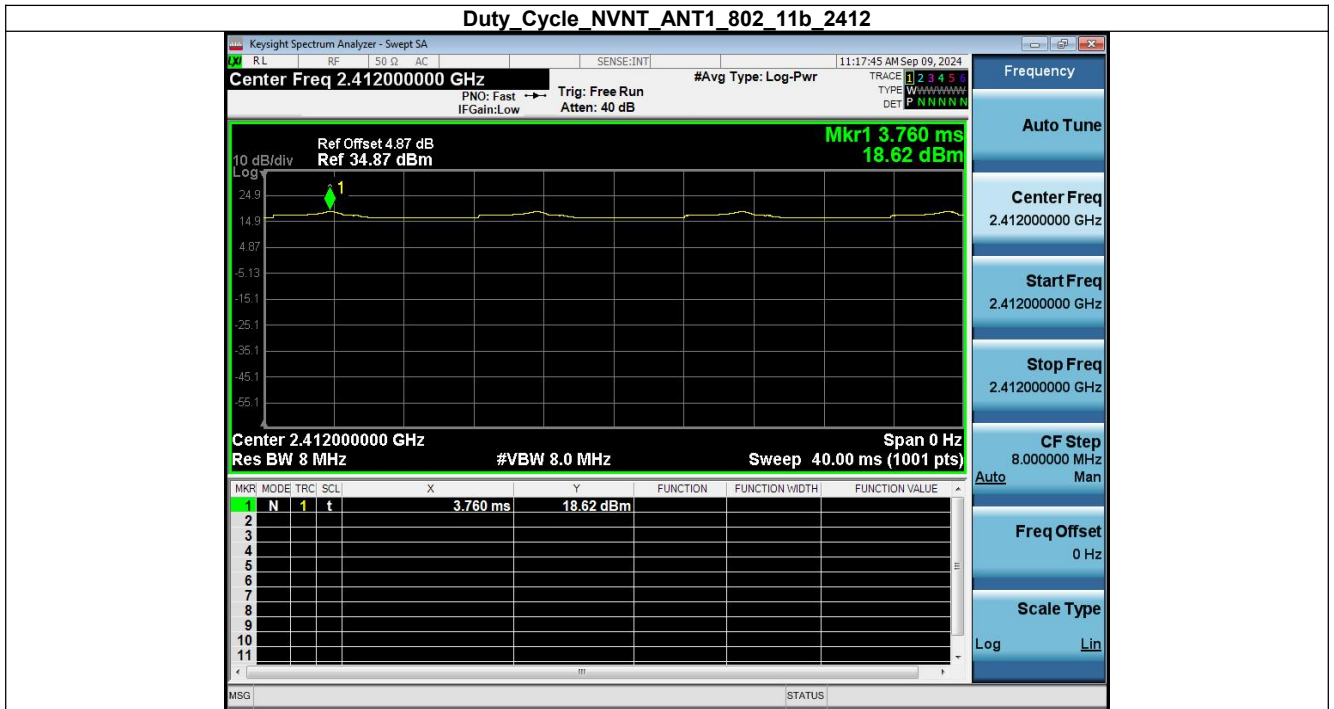


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

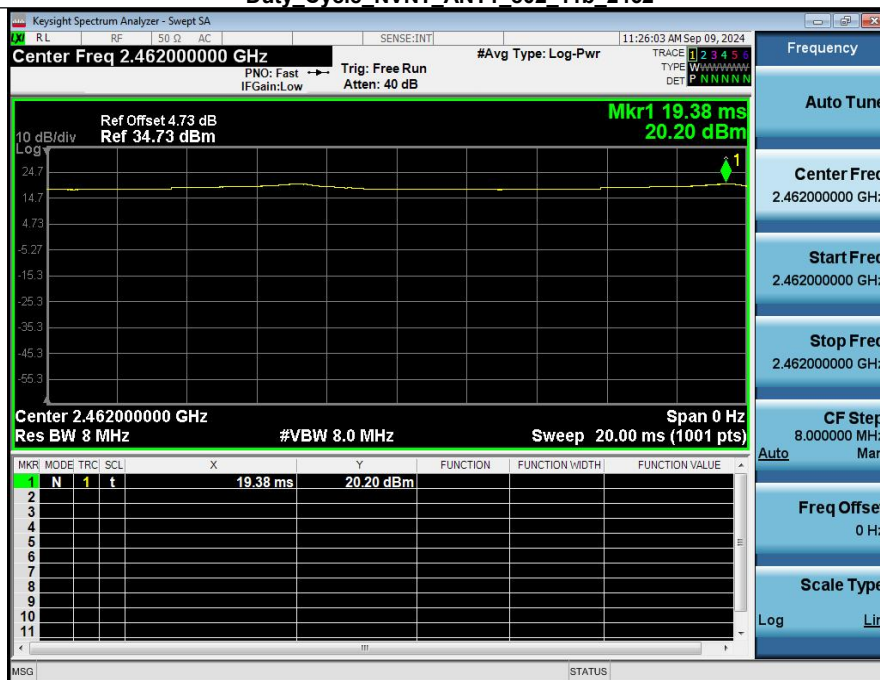


3. Duty Cycle

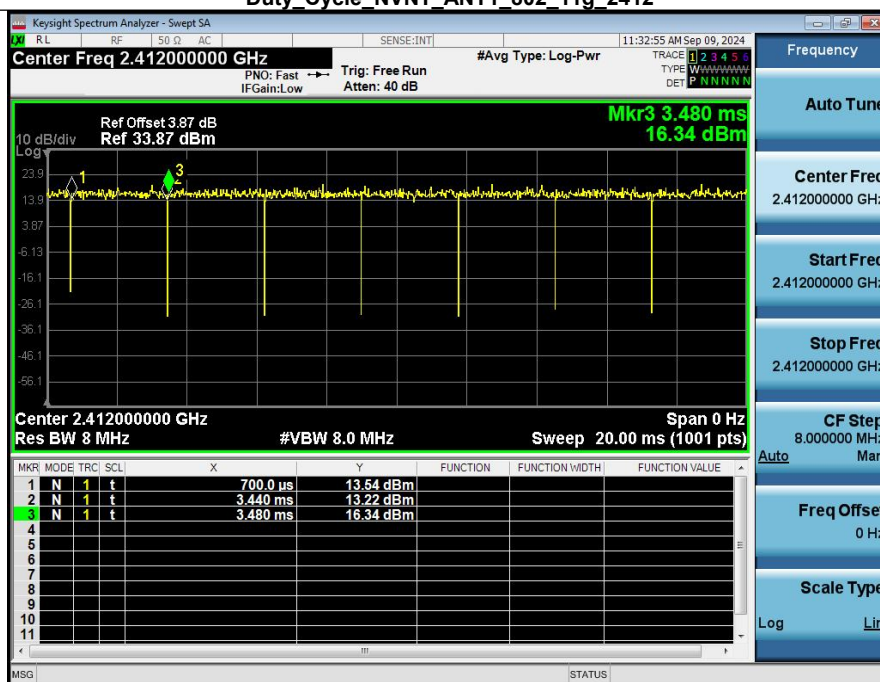
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	100	0.00
NVNT	ANT1	802.11b	2437.00	100	0.00
NVNT	ANT1	802.11b	2462.00	100	0.00
NVNT	ANT1	802.11g	2412.00	99.28	0.00
NVNT	ANT1	802.11g	2437.00	99.28	0.00
NVNT	ANT1	802.11g	2462.00	99.28	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	99.22	0.00
NVNT	ANT1	802.11n(HT20)	2437.00	99.22	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	99.22	0.00



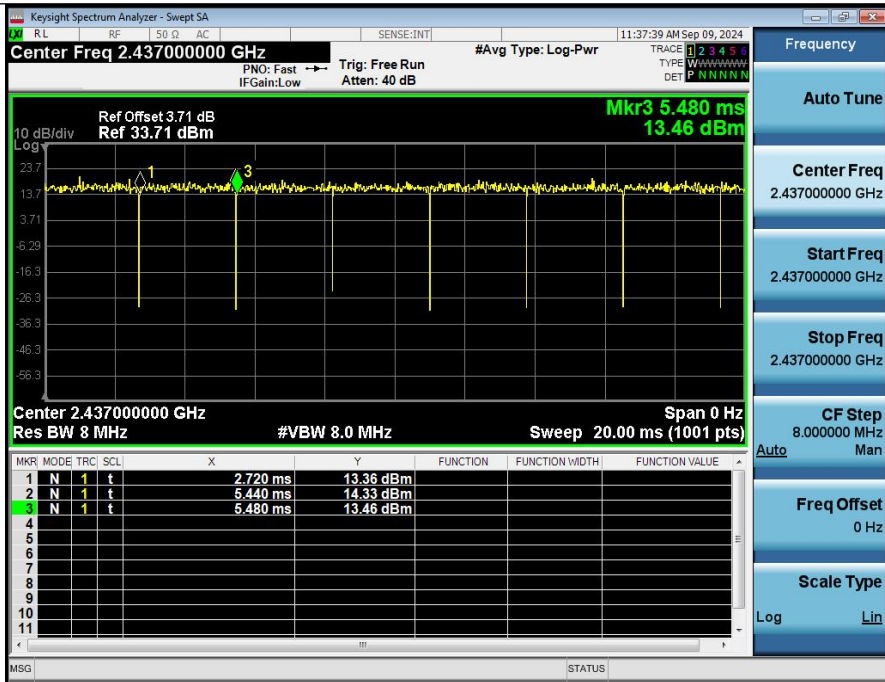
Duty Cycle NVNT_ANT1_802_11b_2462



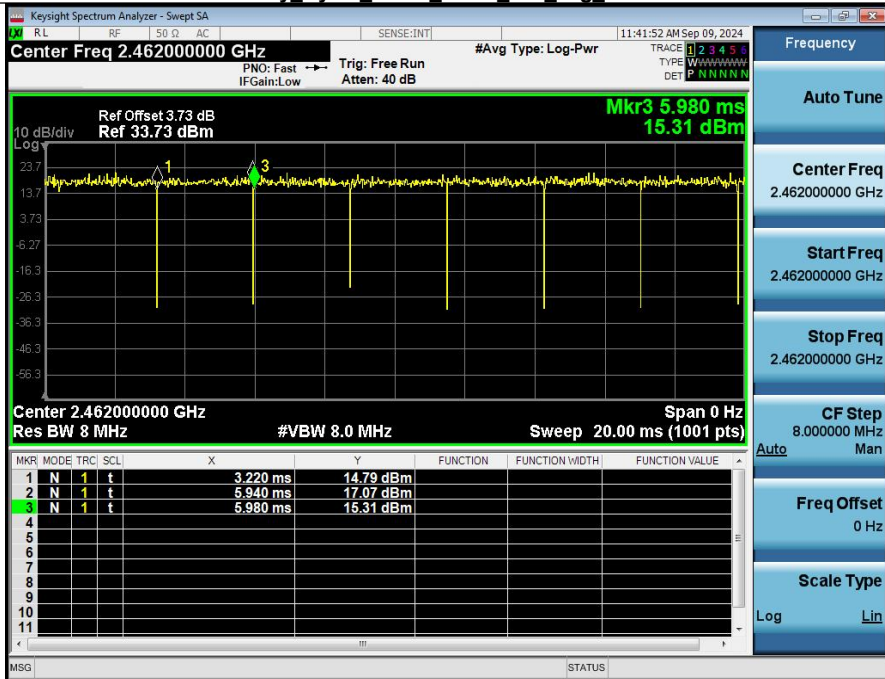
Duty Cycle NVNT_ANT1_802_11g_2412



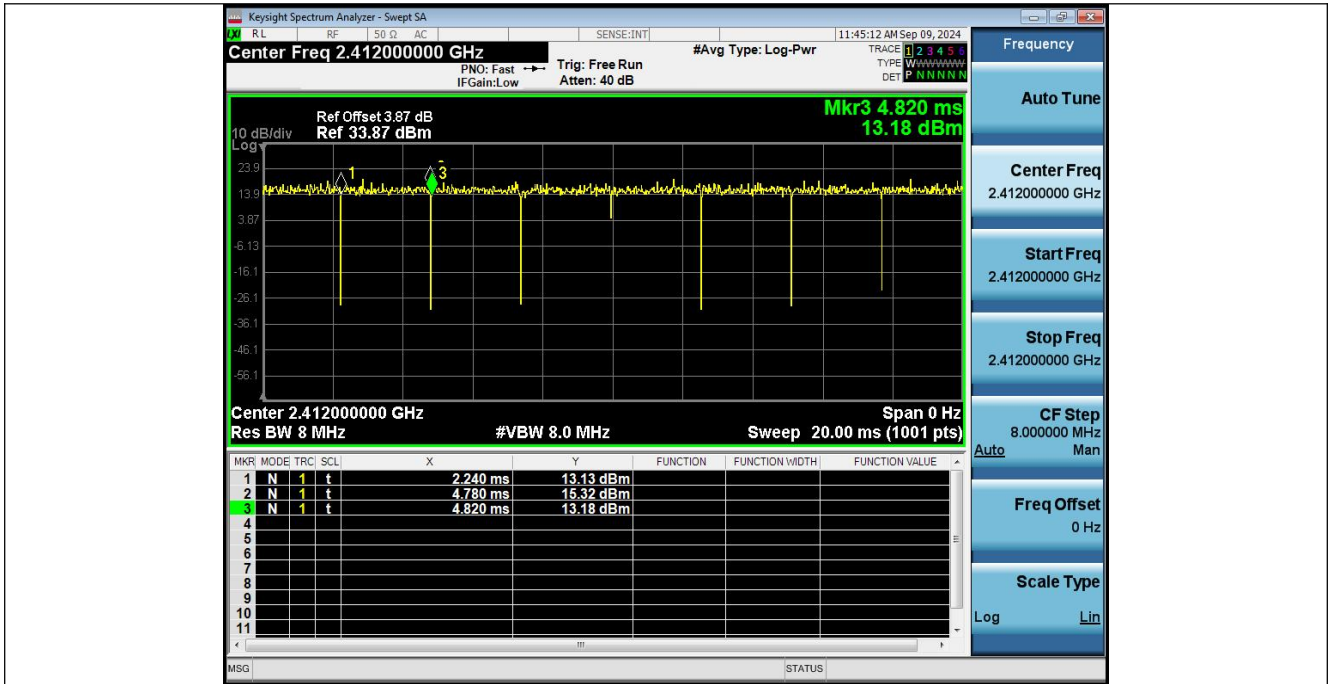
Duty Cycle NVNT_ANT1_802_11g_2437



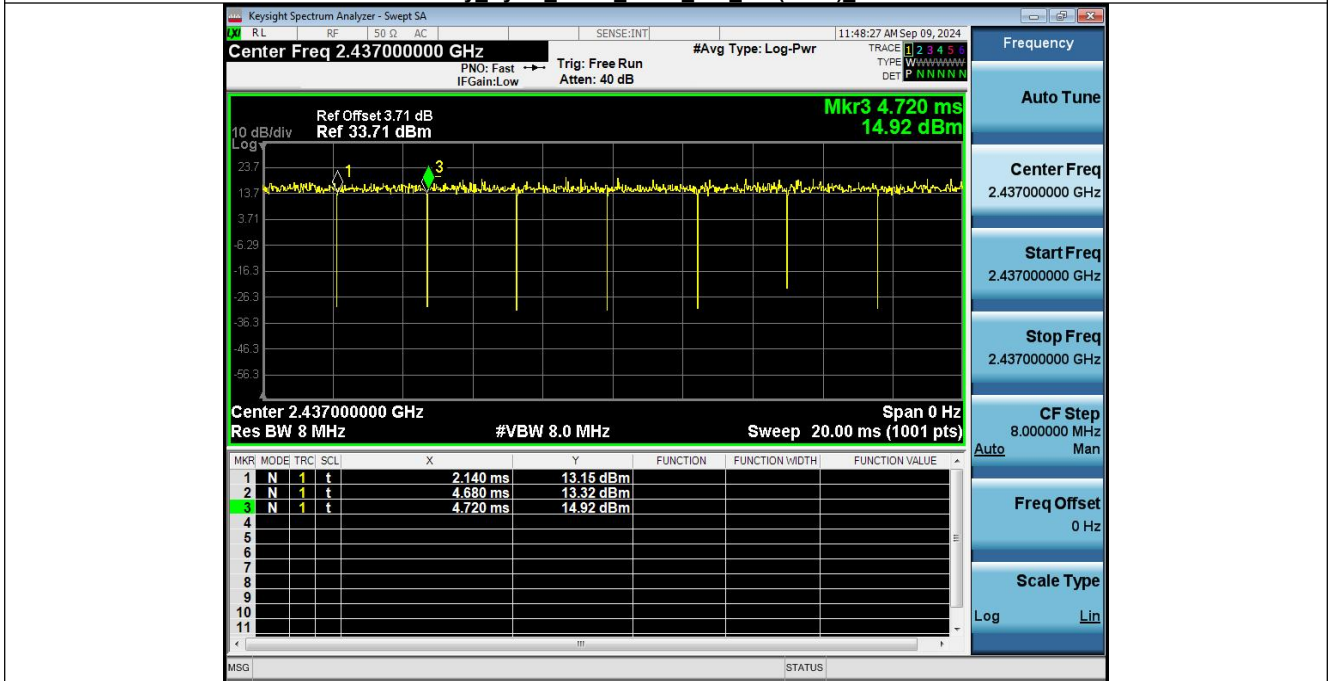
Duty_Cycle_NVNT_ANT1_802_11g_2462



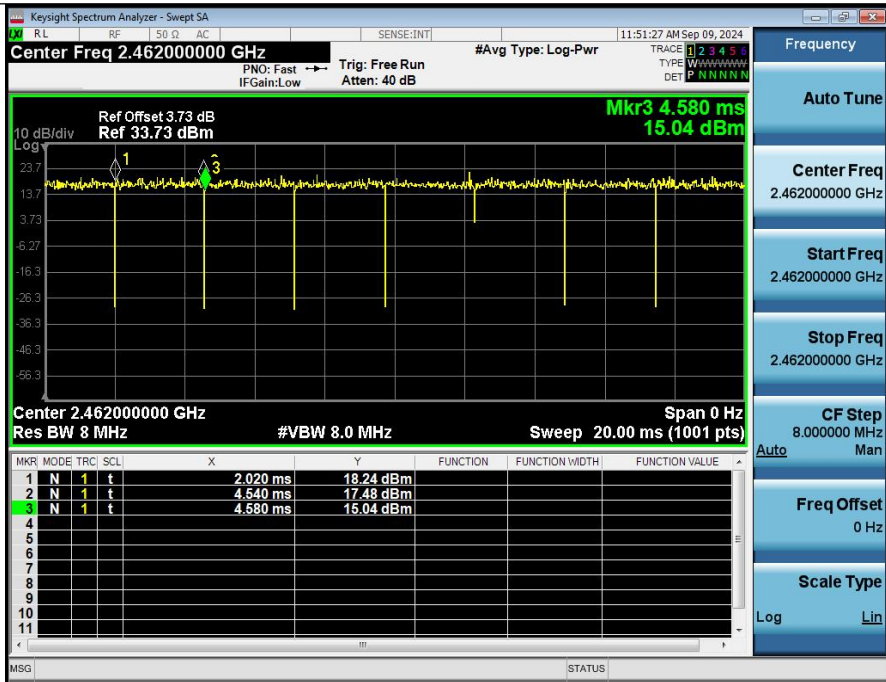
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462

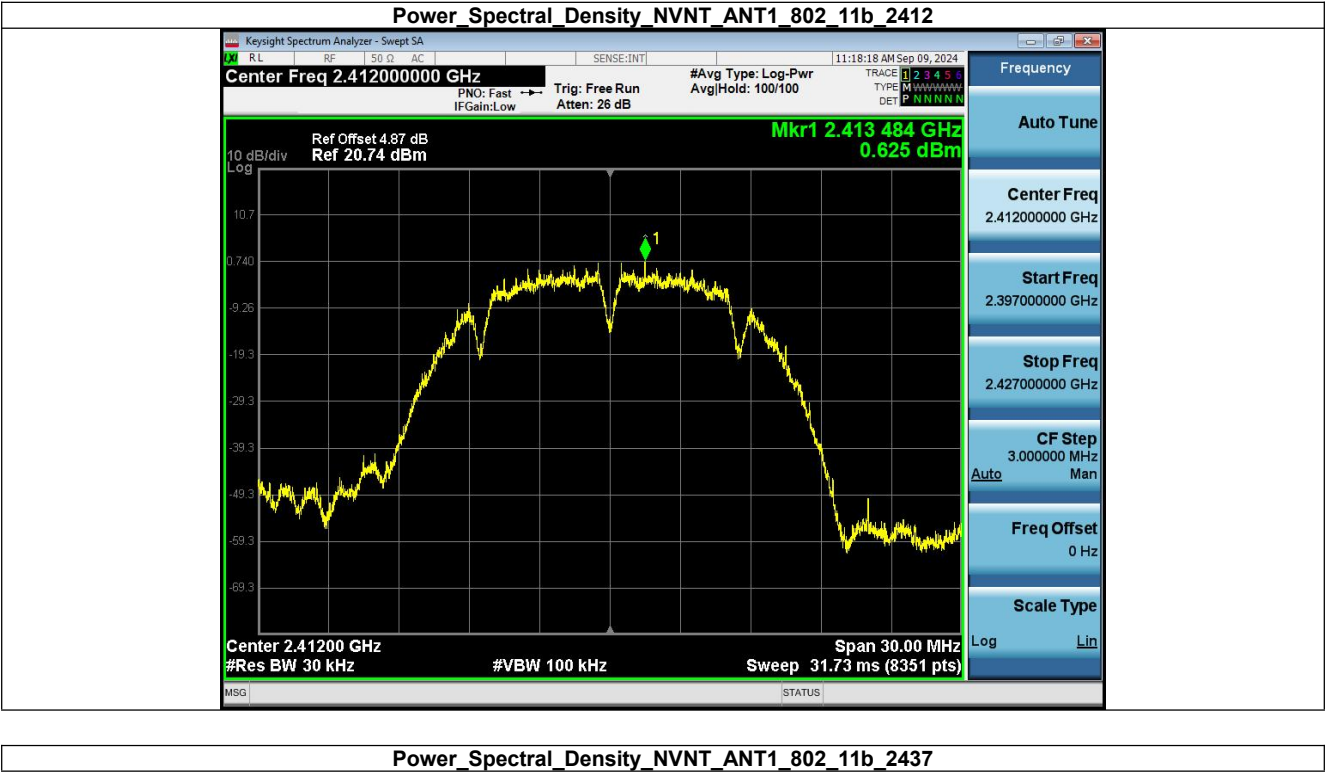


4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Antenna Gain(dBi)	E.I.R.P (dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	16.18	30	5.21	21.39	36	Pass
NVNT	ANT1	802.11b	2437.00	Peak	16.06	30	5.21	21.27	36	Pass
NVNT	ANT1	802.11b	2462.00	Peak	17.98	30	5.21	23.19	36	Pass
NVNT	ANT1	802.11g	2412.00	Peak	17.16	30	5.21	22.37	36	Pass
NVNT	ANT1	802.11g	2437.00	Peak	17.09	30	5.21	22.30	36	Pass
NVNT	ANT1	802.11g	2462.00	Peak	18.77	30	5.21	23.98	36	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	17.67	30	5.21	22.88	36	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	17.56	30	5.21	22.77	36	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	18.93	30	5.21	24.14	36	Pass

5. Power Spectral Density

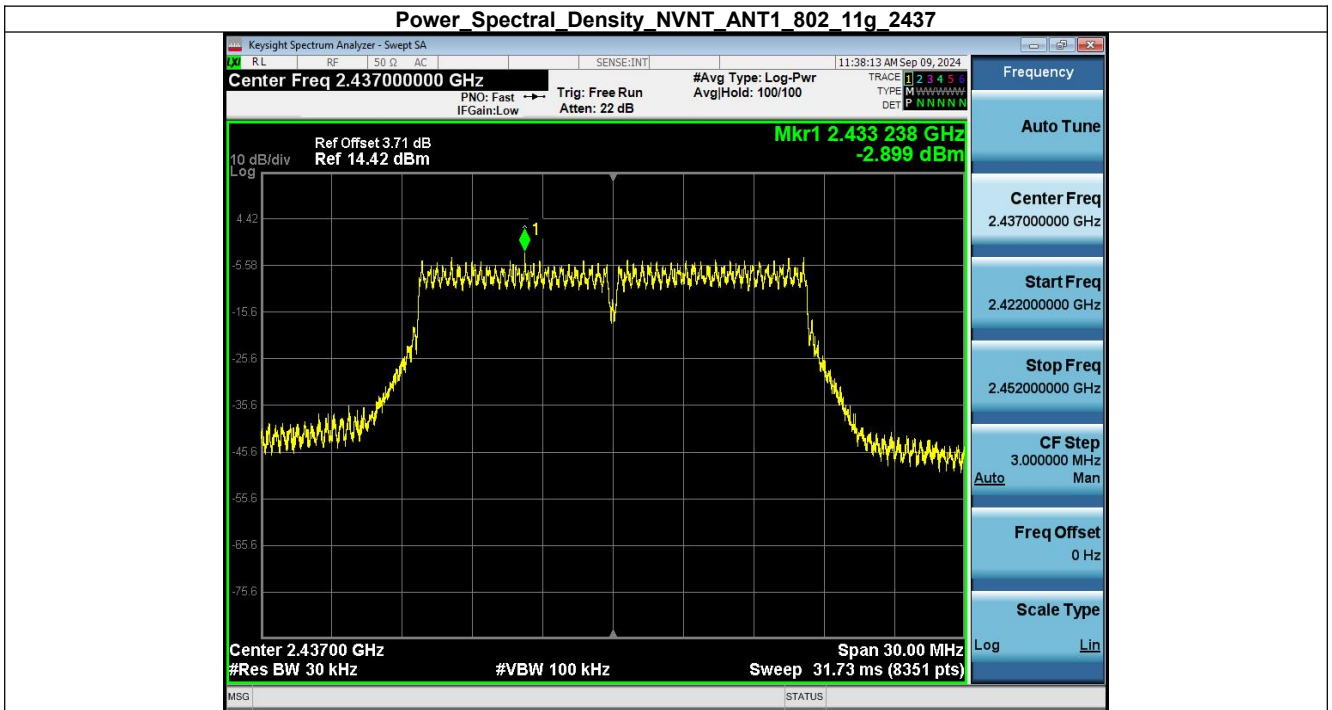
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	0.63	-10.00	-9.38	8	Pass
NVNT	ANT1	802.11b	2437.00	0.87	-10.00	-9.13	8	Pass
NVNT	ANT1	802.11b	2462.00	2.68	-10.00	-7.32	8	Pass
NVNT	ANT1	802.11g	2412.00	-2.98	-10.00	-12.98	8	Pass
NVNT	ANT1	802.11g	2437.00	-2.90	-10.00	-12.90	8	Pass
NVNT	ANT1	802.11g	2462.00	-1.65	-10.00	-11.65	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-4.35	-10.00	-14.35	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-4.58	-10.00	-14.58	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-2.10	-10.00	-12.10	8	Pass



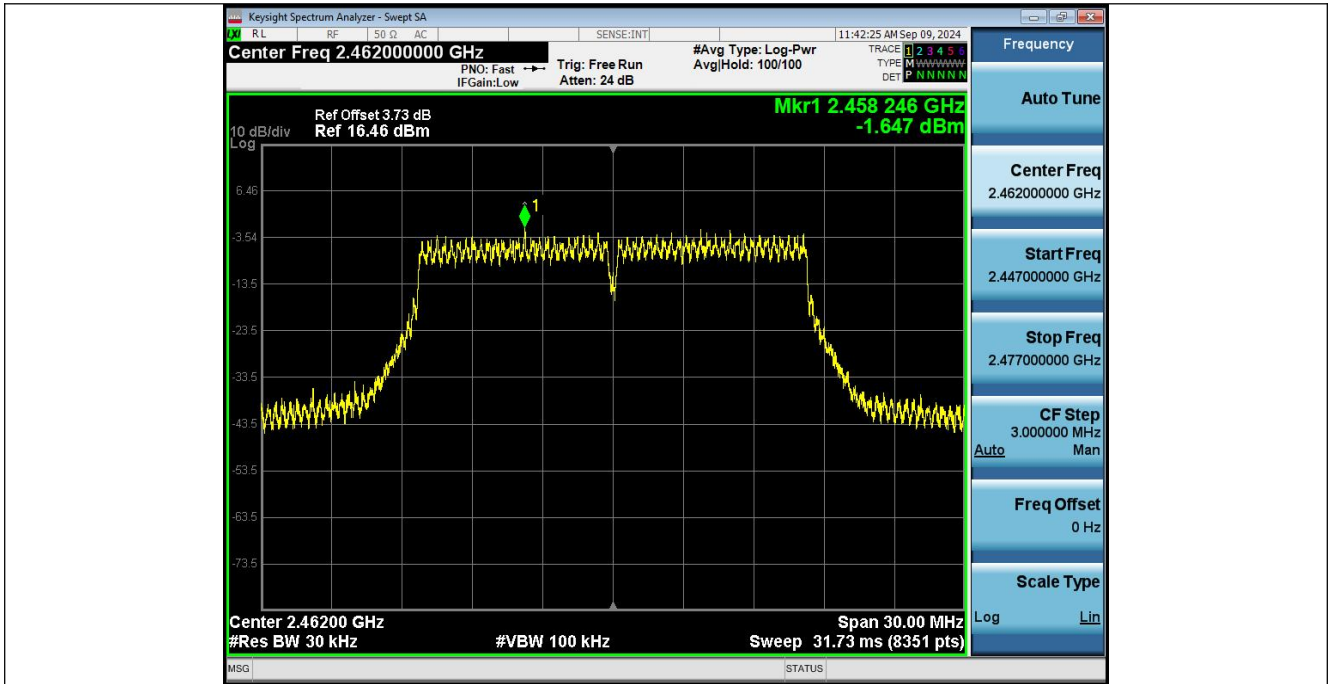
Power_Spectral_Density_NVNT_ANT1_802_11b_2437



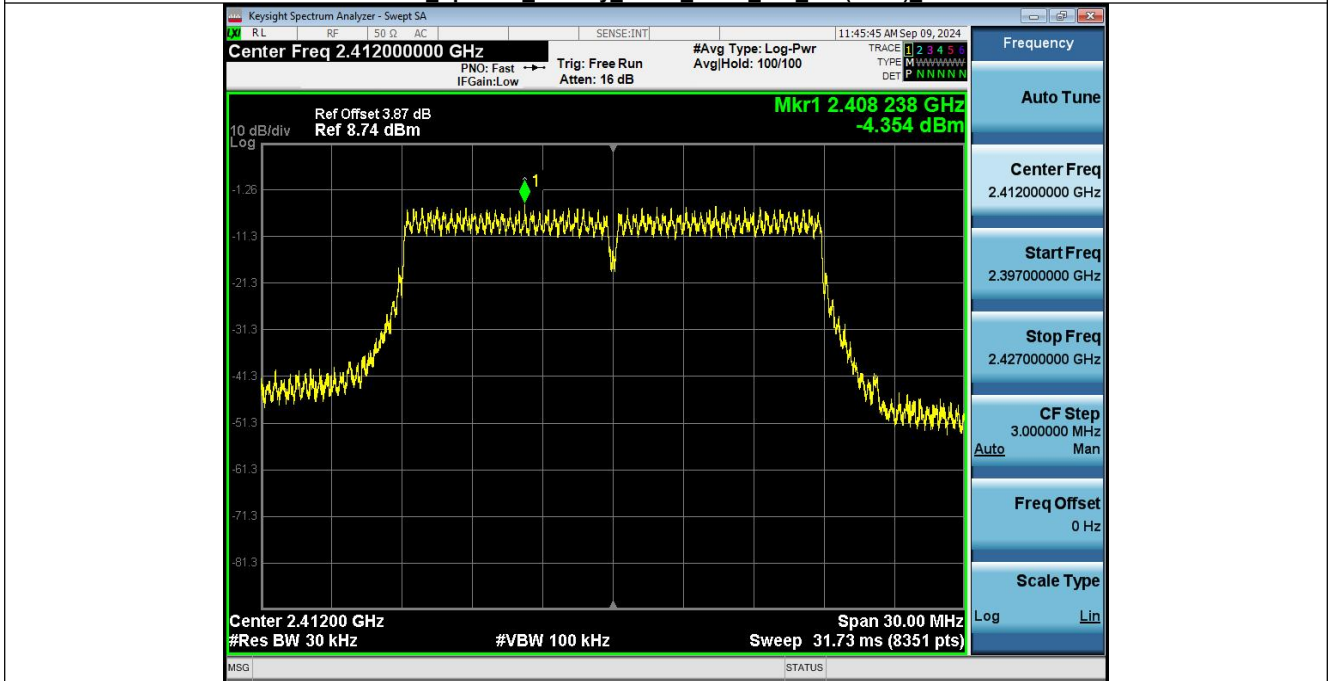
Power_Spectral_Density_NVNT_ANT1_802_11g_2412



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

