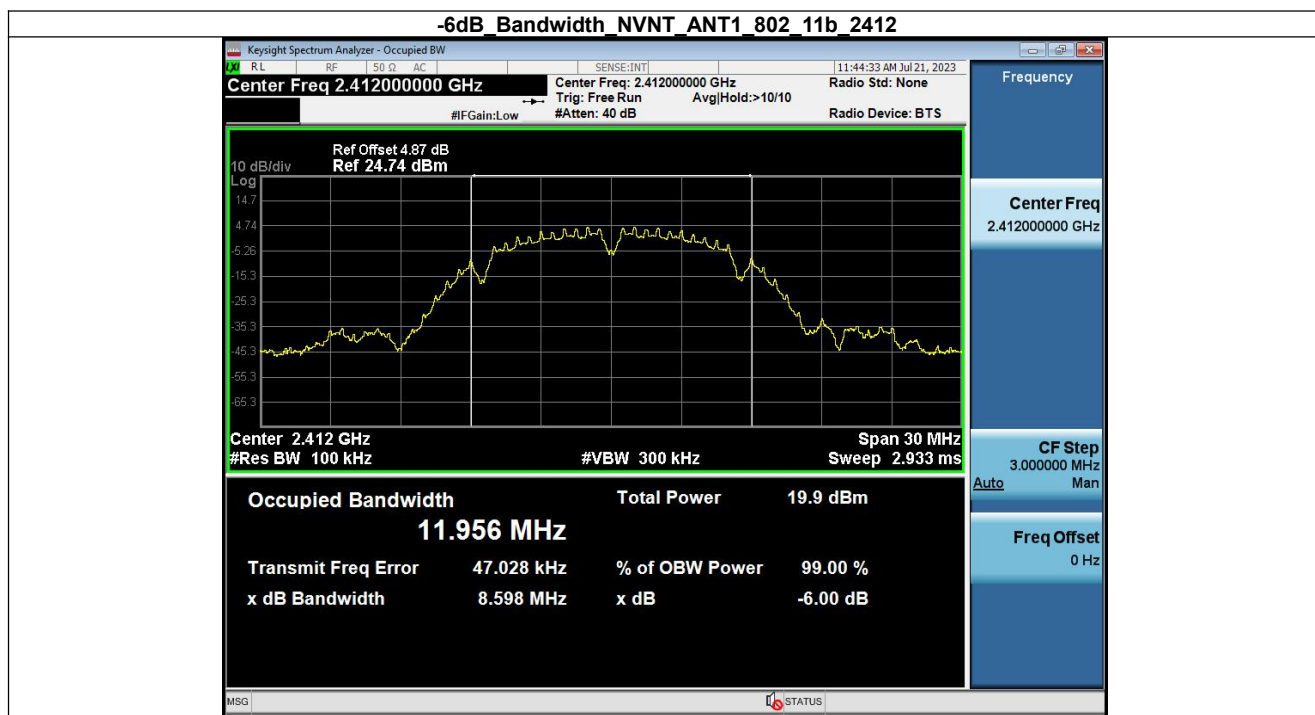


2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.60	500	Pass
NVNT	ANT1	802.11b	2437.00	8.59	500	Pass
NVNT	ANT1	802.11b	2462.00	9.06	500	Pass
NVNT	ANT1	802.11g	2412.00	16.08	500	Pass
NVNT	ANT1	802.11g	2437.00	16.10	500	Pass
NVNT	ANT1	802.11g	2462.00	16.10	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	16.75	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	16.72	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	16.89	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.80	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.31	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.22	500	Pass



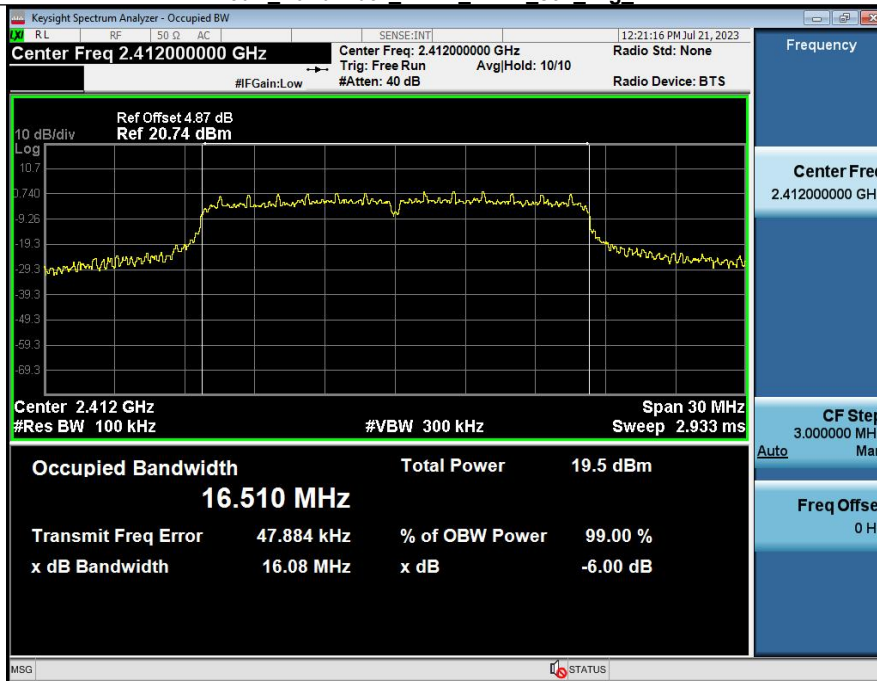
-6dB Bandwidth_NVNT_ANT1_802_11b_2437



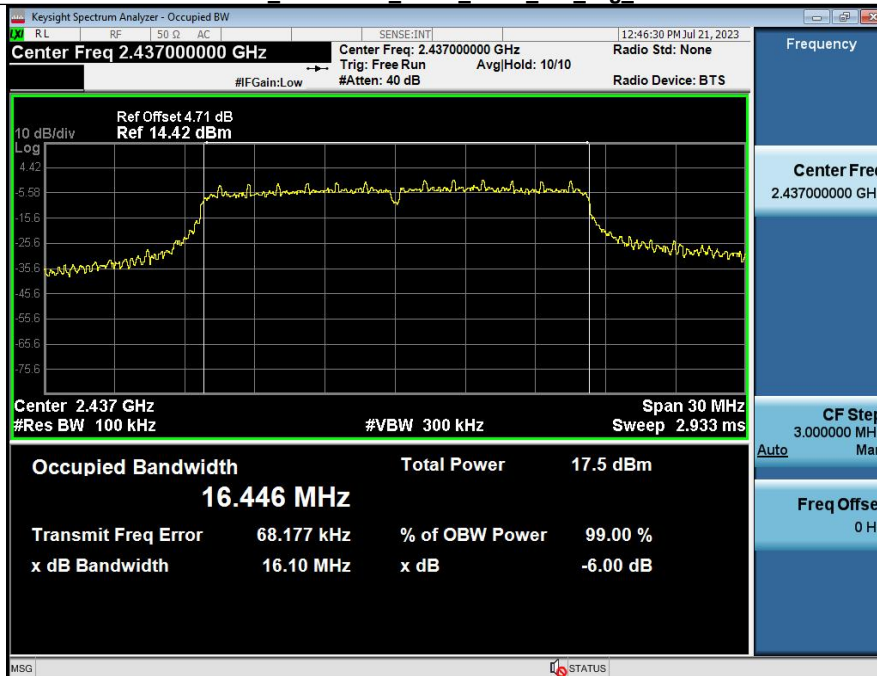
-6dB Bandwidth_NVNT_ANT1_802_11b_2462



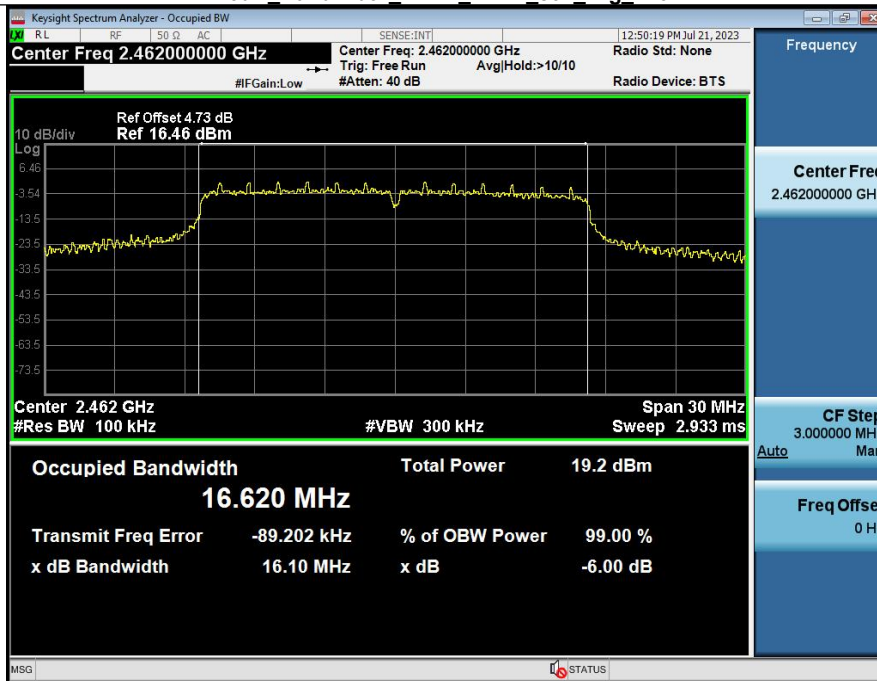
-6dB Bandwidth_NVNT_ANT1_802_11g_2412



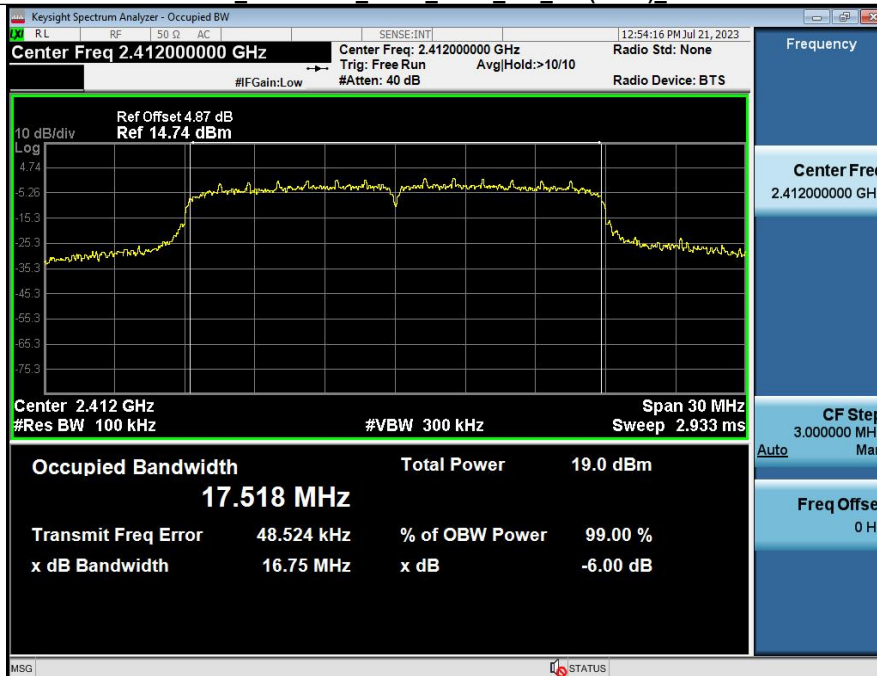
-6dB Bandwidth_NVNT_ANT1_802_11g_2437



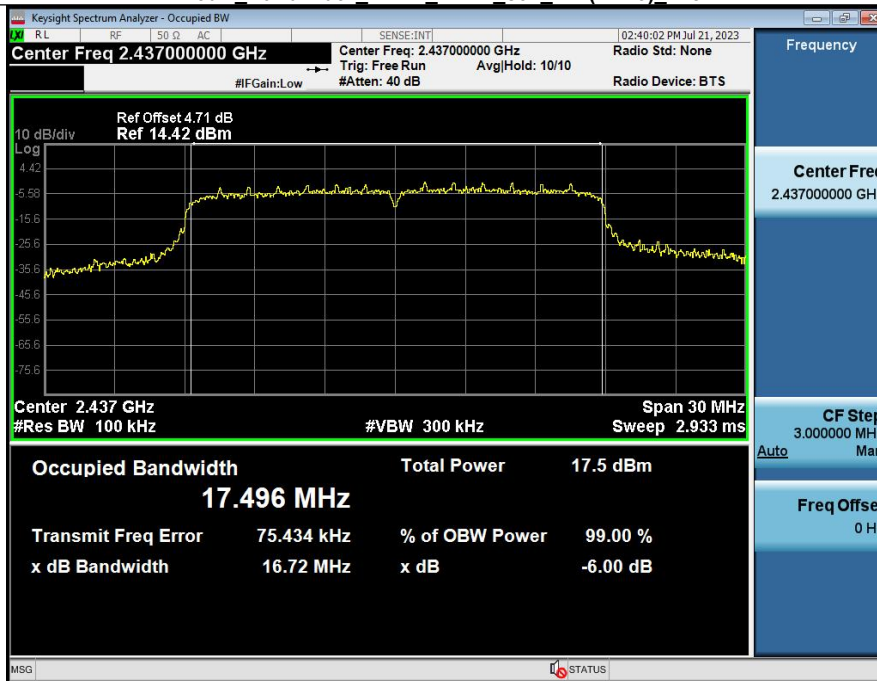
-6dB Bandwidth_NVNT_ANT1_802_11g_2462



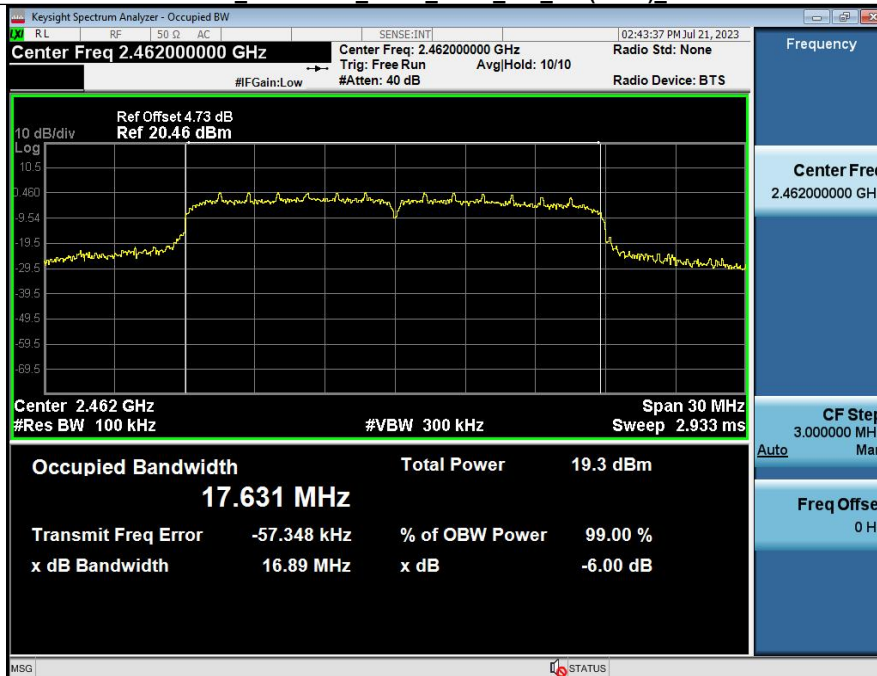
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



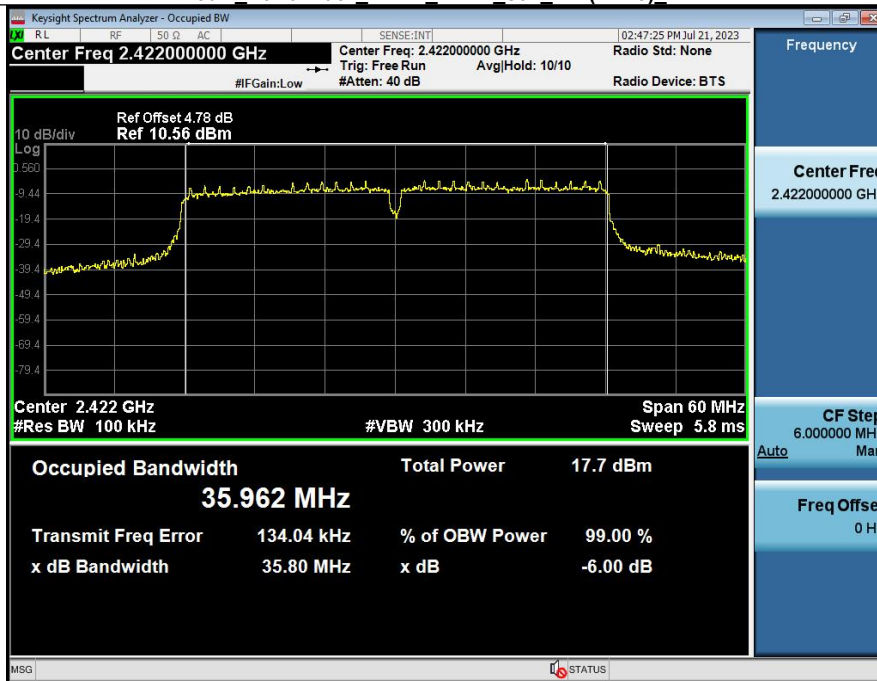
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



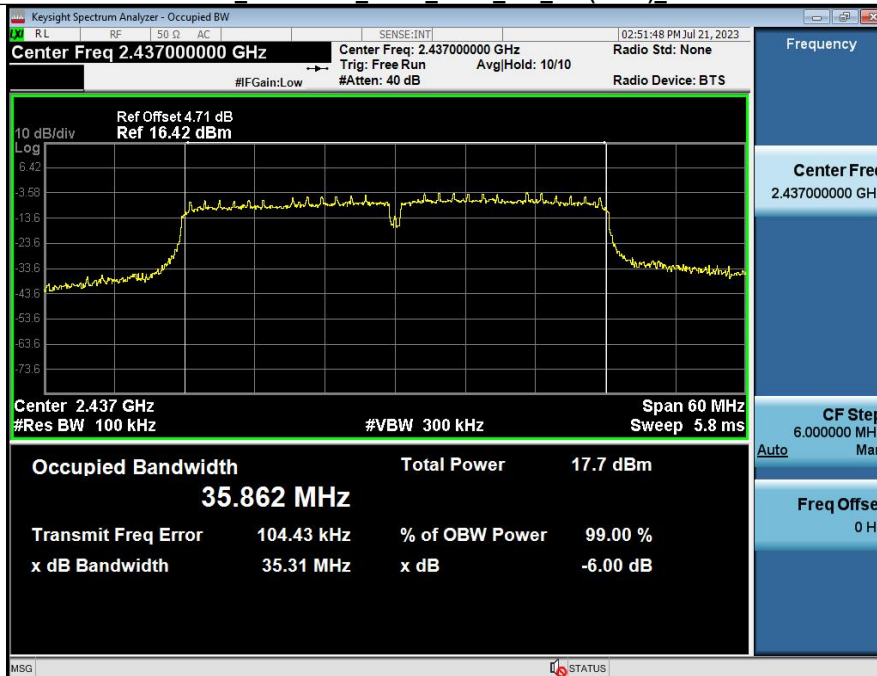
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

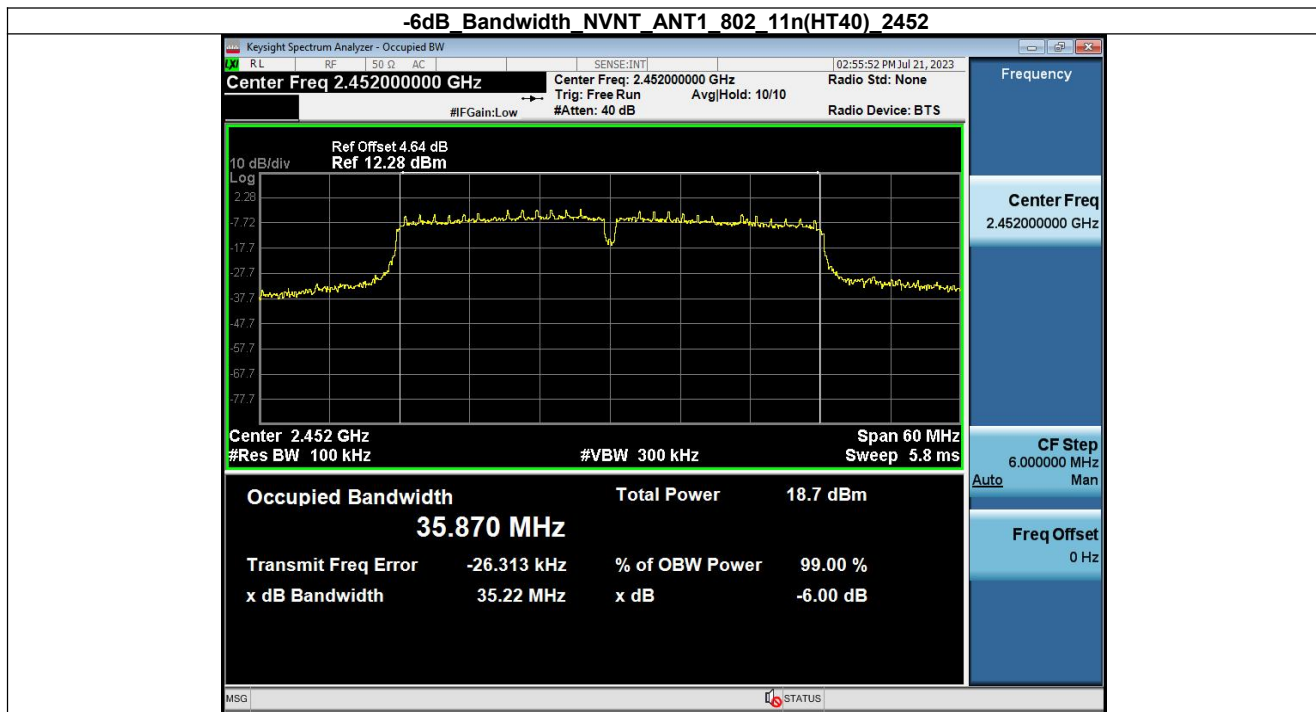


-6dB Bandwidth_NVNT_ANT1_802_11n(HT40)_2422

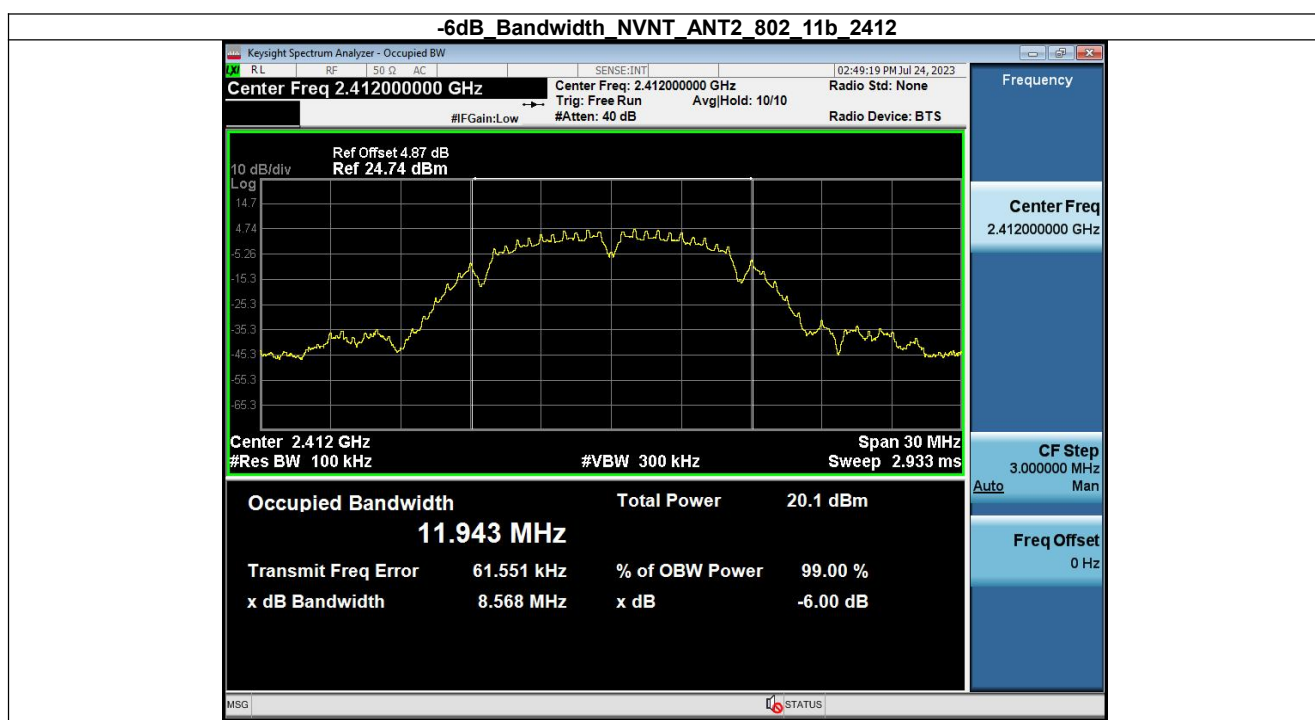


-6dB Bandwidth_NVNT_ANT1_802_11n(HT40)_2437





Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT2	802.11b	2412.00	8.57	500	Pass
NVNT	ANT2	802.11b	2437.00	8.59	500	Pass
NVNT	ANT2	802.11b	2462.00	8.61	500	Pass
NVNT	ANT2	802.11g	2412.00	16.06	500	Pass
NVNT	ANT2	802.11g	2437.00	16.09	500	Pass
NVNT	ANT2	802.11g	2462.00	15.97	500	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	16.83	500	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	16.89	500	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	16.68	500	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	35.70	500	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	35.52	500	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	35.21	500	Pass



-6dB Bandwidth_NVNT_ANT2_802_11b_2437



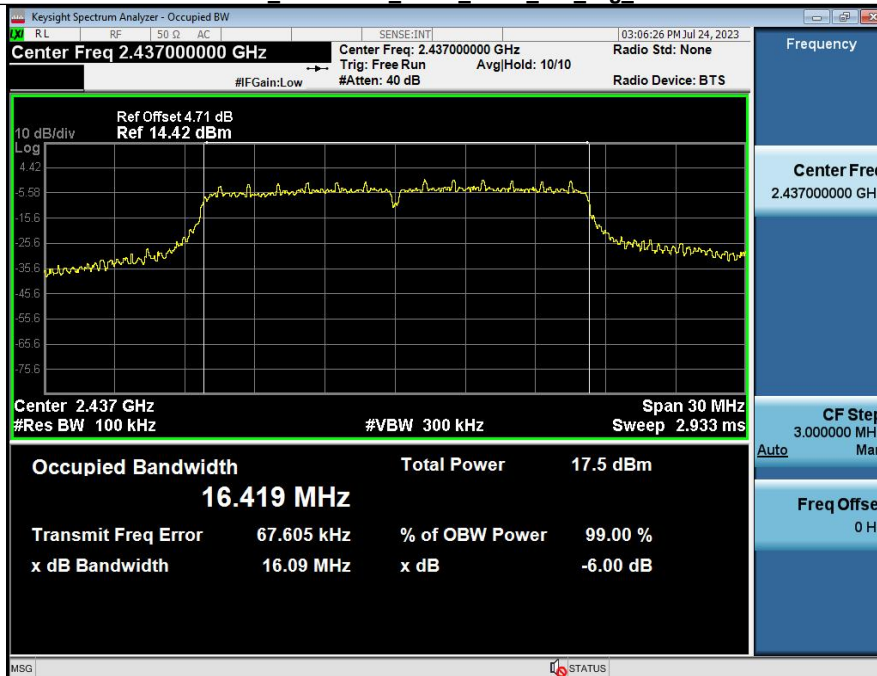
-6dB Bandwidth_NVNT_ANT2_802_11b_2462



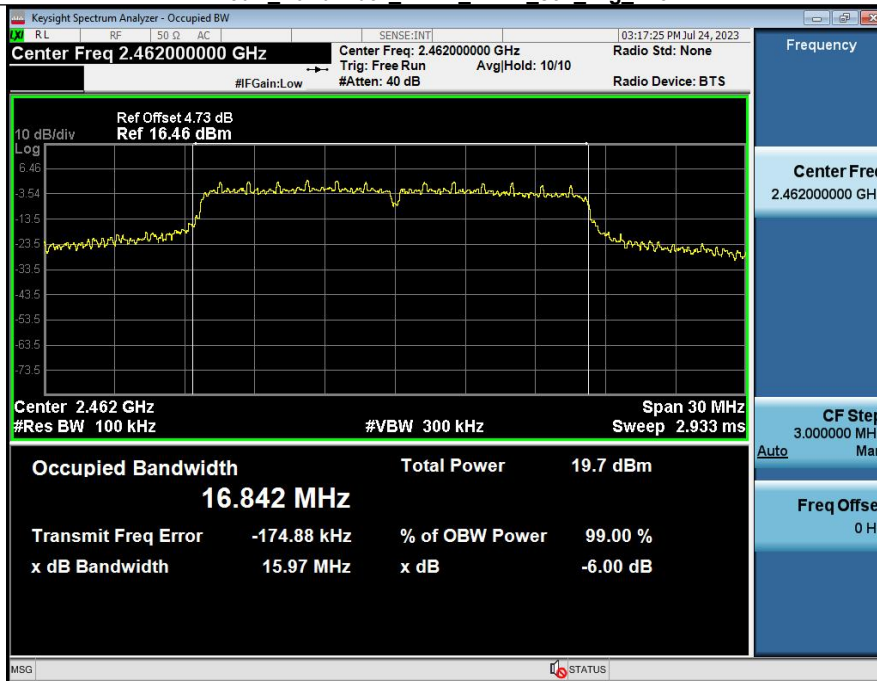
-6dB Bandwidth_NVNT_ANT2_802_11g_2412



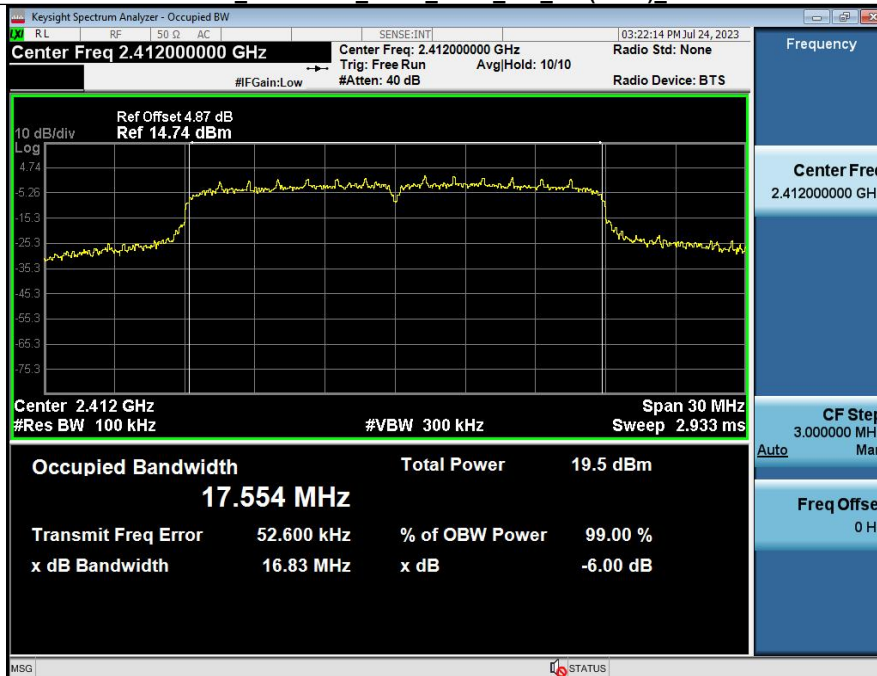
-6dB Bandwidth_NVNT_ANT2_802_11g_2437



-6dB Bandwidth_NVNT_ANT2_802_11g_2462



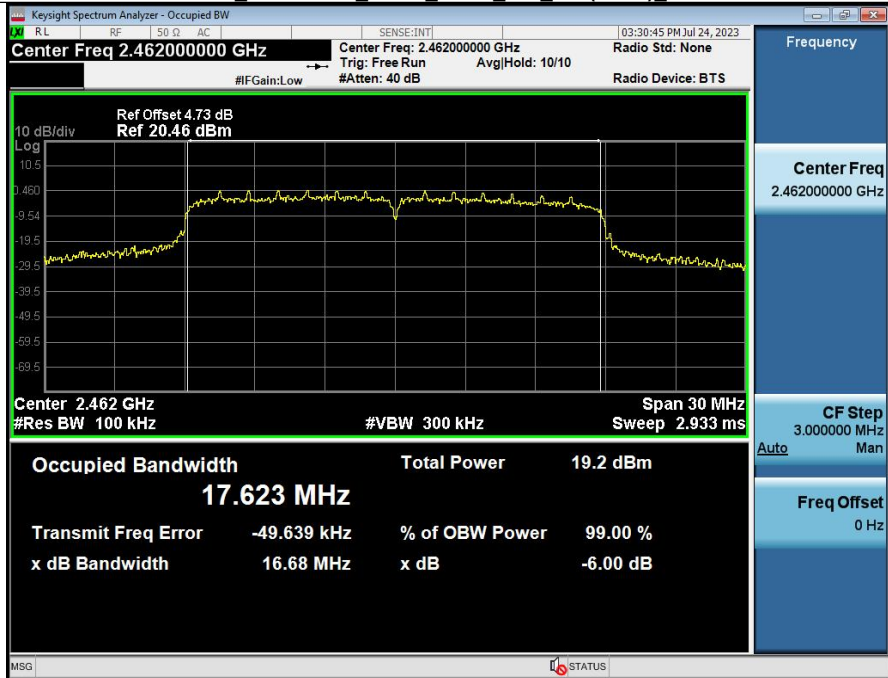
-6dB Bandwidth_NVNT_ANT2_802_11n(HT20)_2412



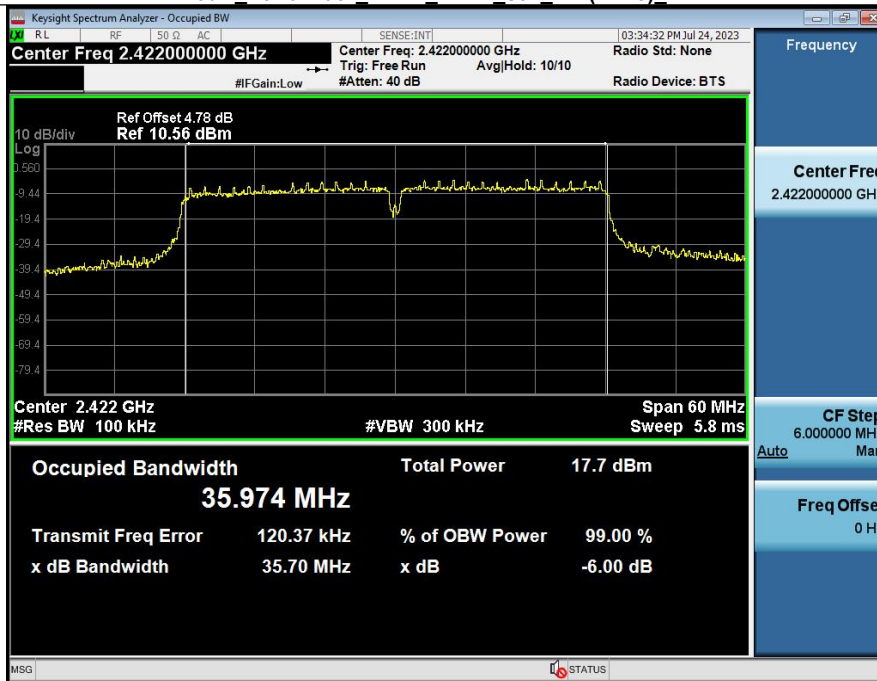
-6dB Bandwidth_NVNT_ANT2_802_11n(HT20)_2437



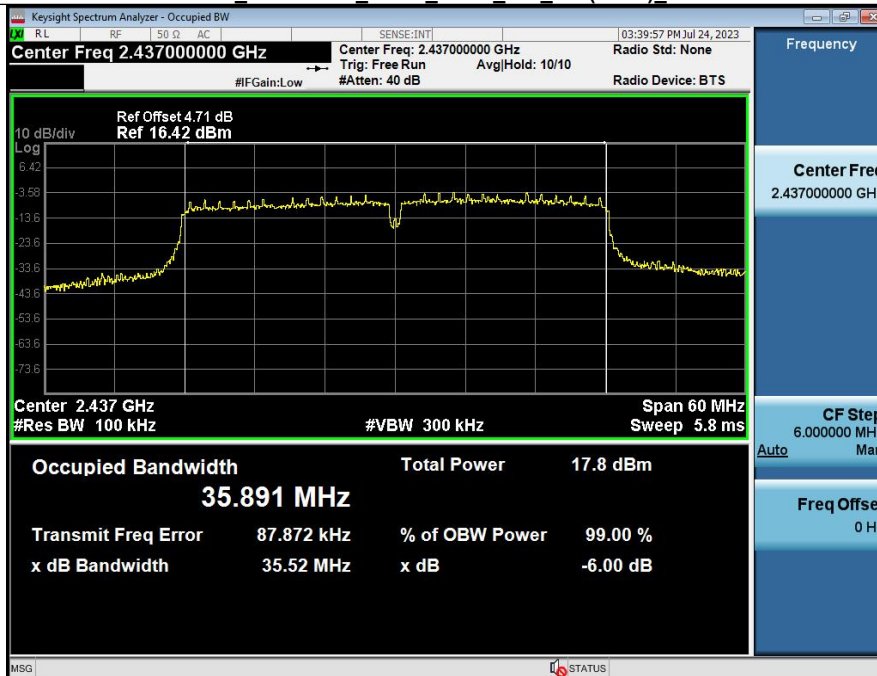
-6dB Bandwidth_NVNT_ANT2_802_11n(HT20)_2462

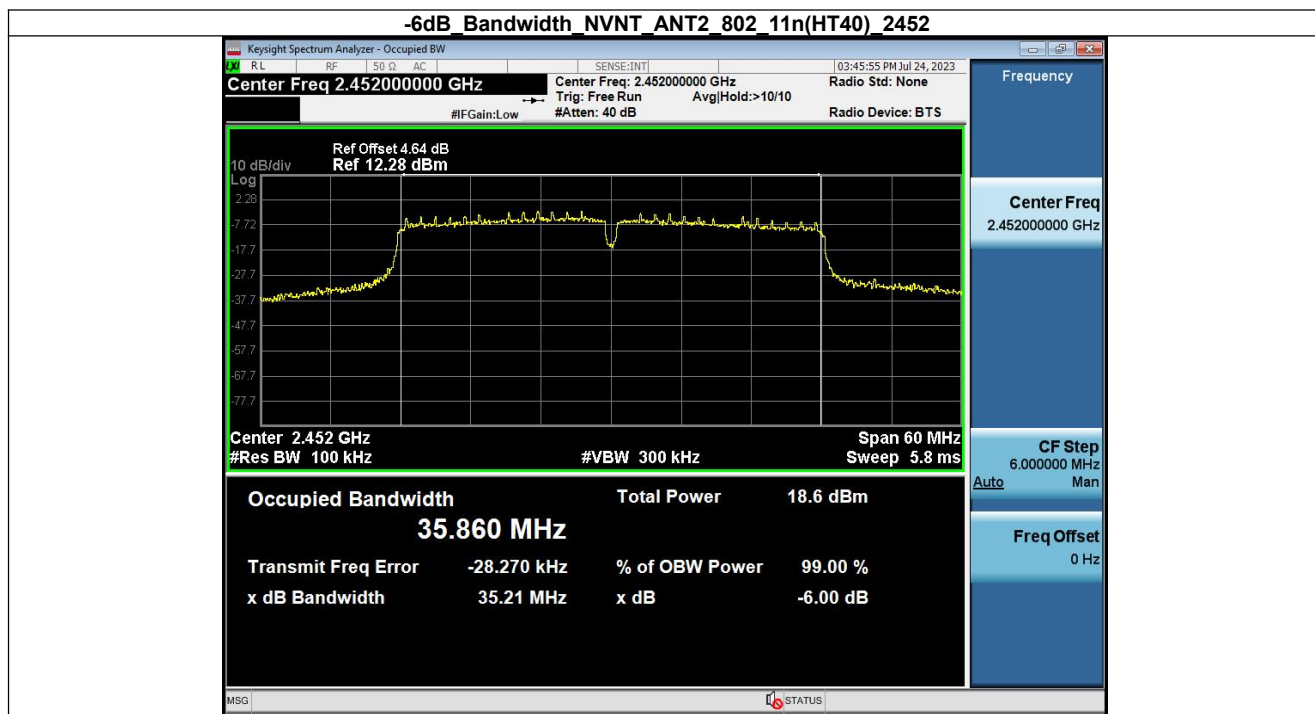


-6dB Bandwidth_NVNT_ANT2_802_11n(HT40)_2422



-6dB Bandwidth_NVNT_ANT2_802_11n(HT40)_2437





3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Test Channel	Frequency (MHz)	Maximum Conducted Output Power (dBm)		Total power (dBm)	Limit (dBm)
		ANT 1	ANT 2		
TX 802.11b Mode					
CH01	2412	18.27	18.23	-	30
CH06	2437	18.04	18.01	-	30
CH11	2462	18.92	18.89	-	30
TX 802.11g Mode					
CH01	2412	16.48	16.26	-	30
CH06	2437	16.14	16.08	-	30
CH11	2462	16.79	16.66	-	30
TX 802.11n(HT20) Mode					
CH01	2412	15.58	15.43	18.52	30
CH06	2437	15.24	15.15	18.21	30
CH11	2462	15.95	15.86	18.92	30
TX 802.11n(HT40) Mode					
CH03	2422	14.32	14.29	17.32	30
CH06	2437	14.04	14.01	17.04	30
CH09	2452	15.06	14.94	18.01	30

Note:

1. In 802.11b and 802.11g mode, the ANT 1 and ANT 2 can't work at TX and RX mode at the same time;
2. In 802.11n(HT20), 802.11n(HT40) mode the ANT 1 and ANT 2 can work at TX and RX mode at the same time;
3. For the duty cycle , it is included in it;
4. TX means Transmit, RX means Receive.

4. Maximum Power Spectral Density

4.1 PSD

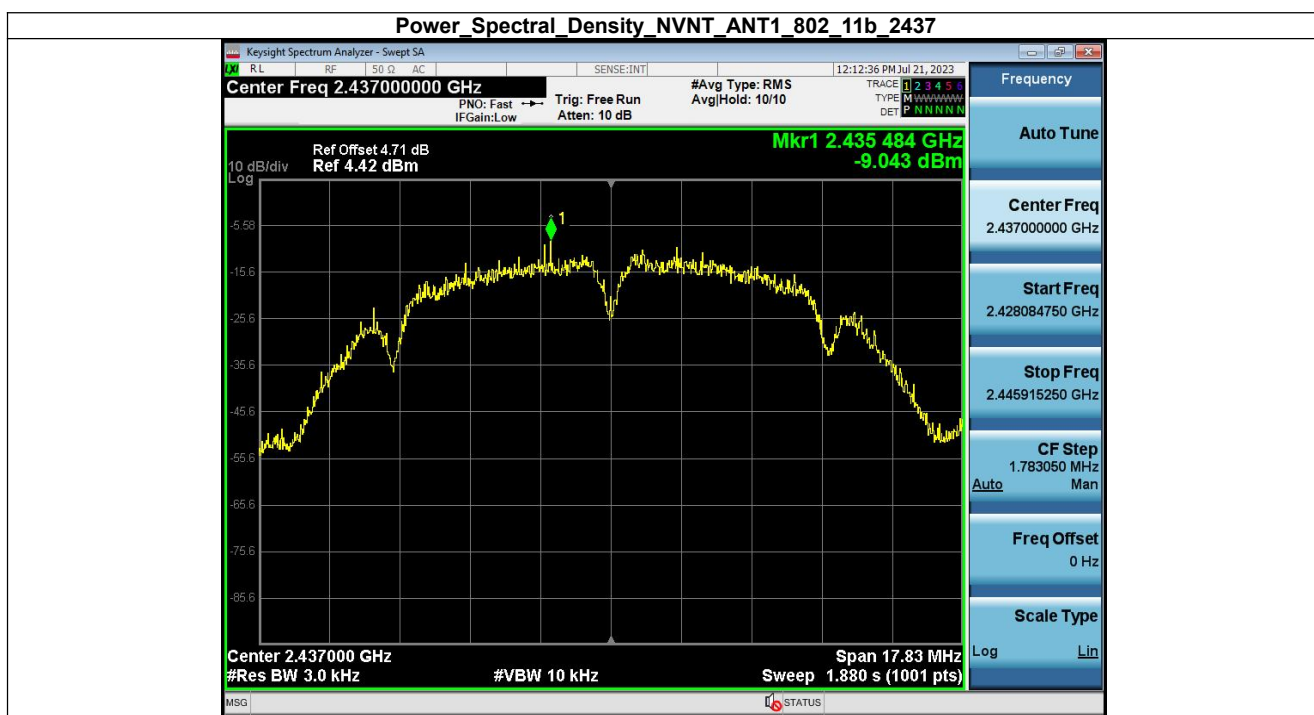
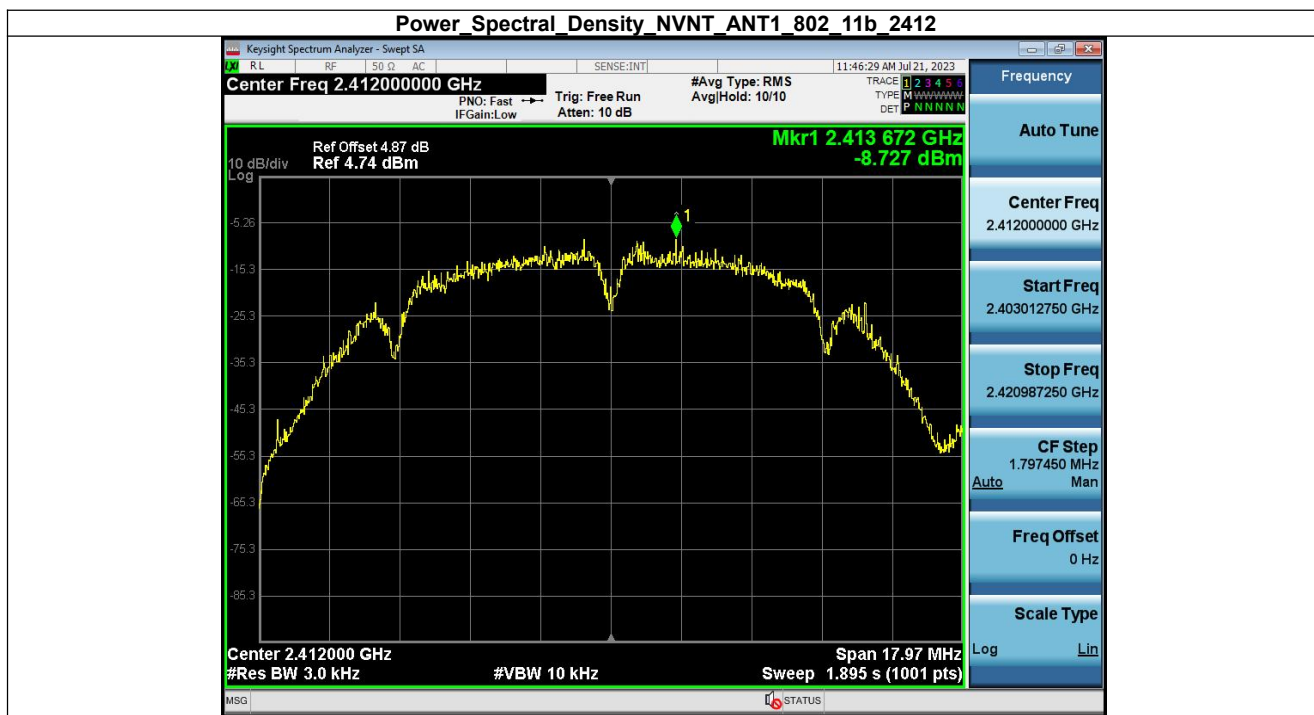
4.1.1 Test Result

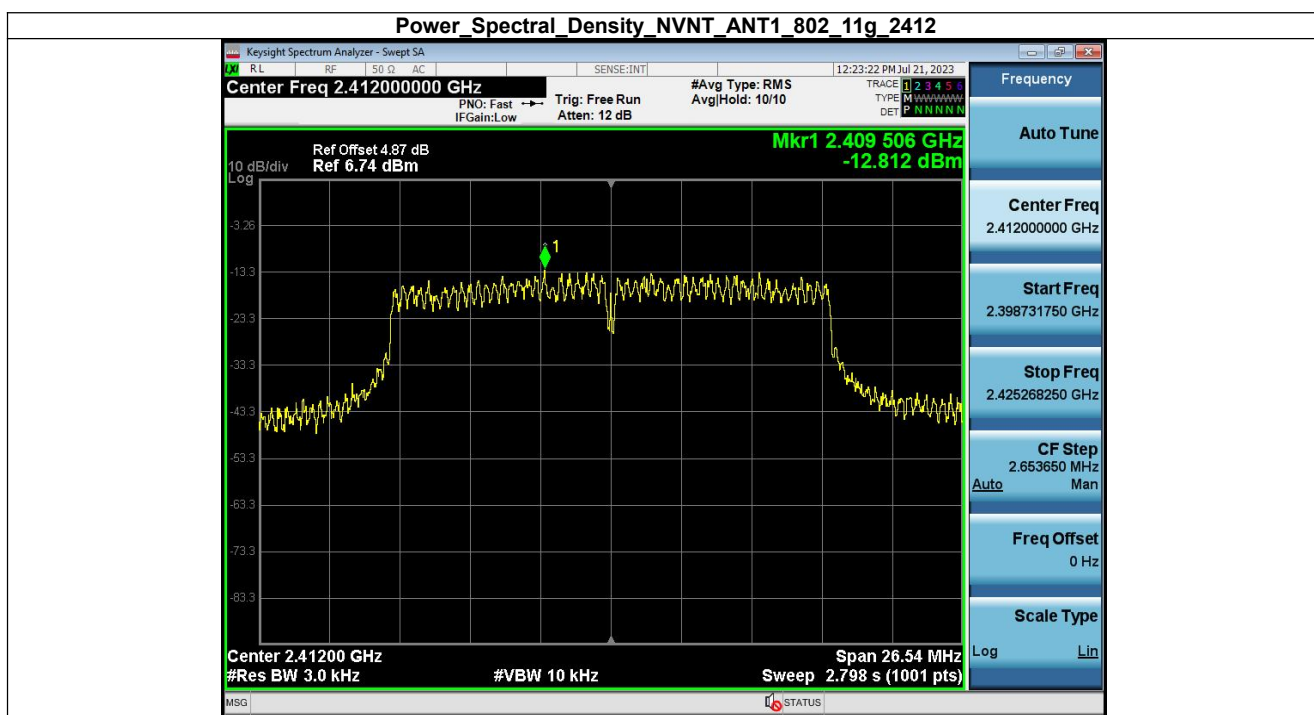
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-8.73	8	Pass
NVNT	ANT1	802.11b	2437.00	-9.04	8	Pass
NVNT	ANT1	802.11b	2462.00	-8.45	8	Pass
NVNT	ANT1	802.11g	2412.00	-12.81	8	Pass
NVNT	ANT1	802.11g	2437.00	-15.60	8	Pass
NVNT	ANT1	802.11g	2462.00	-14.07	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-13.65	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-15.17	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-13.52	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-18.15	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-18.32	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-17.22	8	Pass

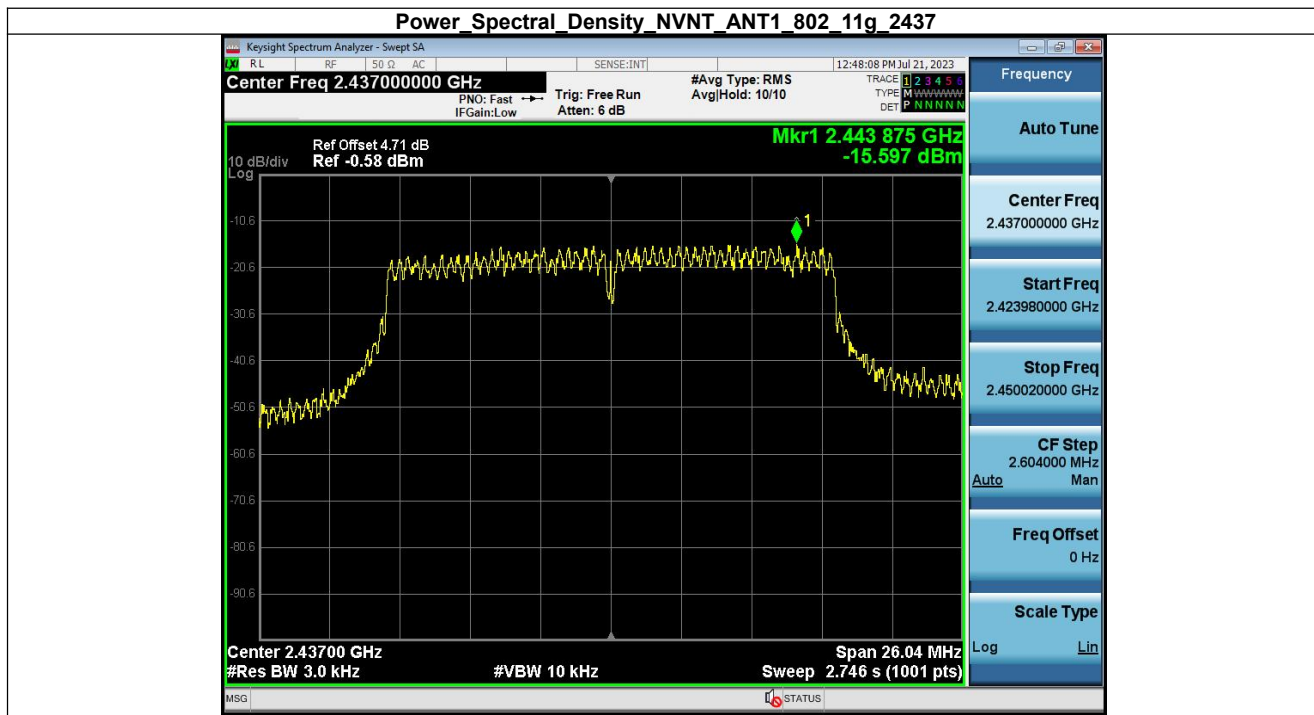
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT2	802.11b	2412.00	-6.53	8	Pass
NVNT	ANT2	802.11b	2437.00	-11.49	8	Pass
NVNT	ANT2	802.11b	2462.00	-6.18	8	Pass
NVNT	ANT2	802.11g	2412.00	-13.40	8	Pass
NVNT	ANT2	802.11g	2437.00	-15.06	8	Pass
NVNT	ANT2	802.11g	2462.00	-12.50	8	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	-12.90	8	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	-14.94	8	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	-13.69	8	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	-18.37	8	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	-18.02	8	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	-16.87	8	Pass

MIMO

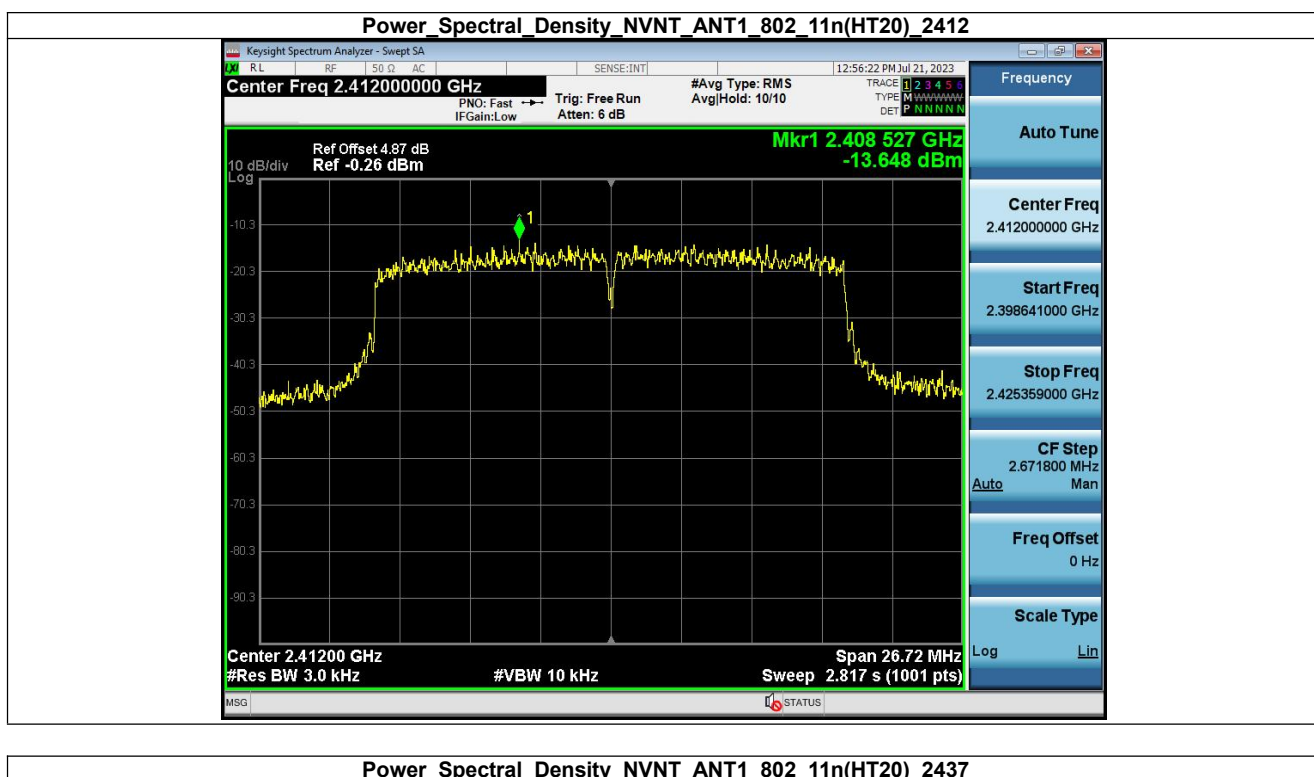
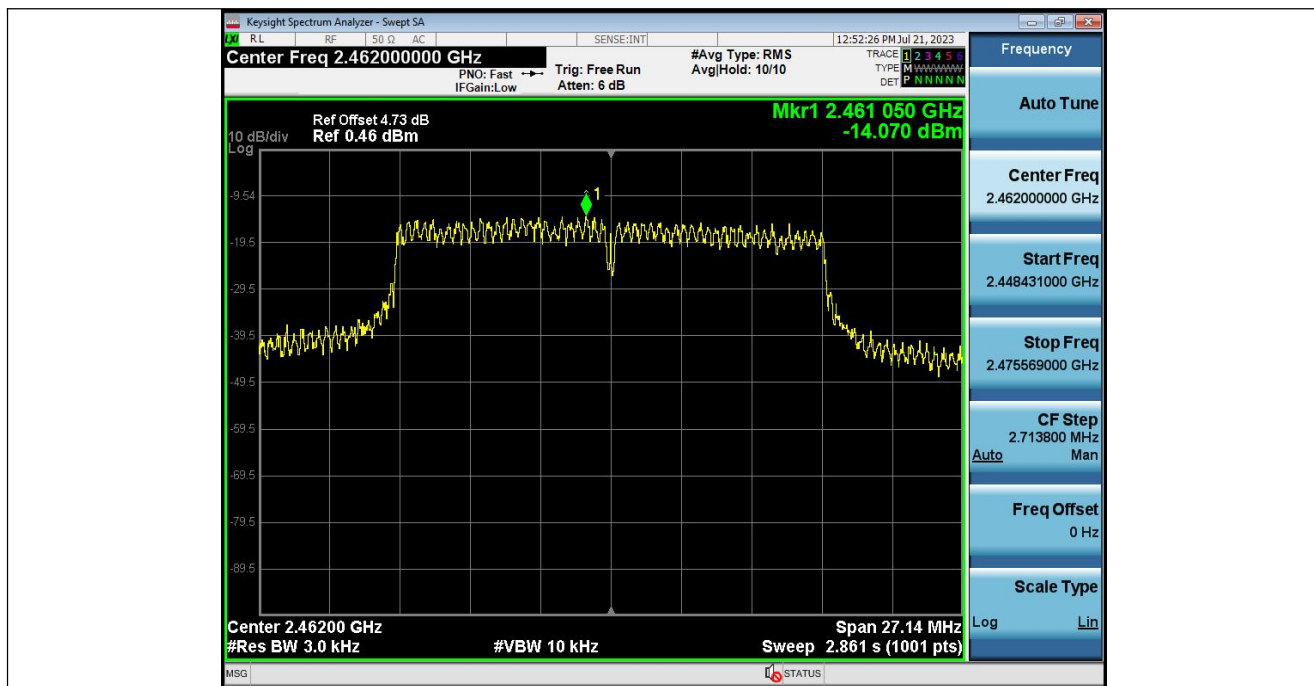
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1 + ANT2	802.11n(HT20)	2412.00	-10.25	8	Pass
NVNT	ANT1 + ANT2	802.11n(HT20)	2437.00	-12.04	8	Pass
NVNT	ANT1 + ANT2	802.11n(HT20)	2462.00	-10.59	8	Pass
NVNT	ANT1 + ANT2	802.11n(HT40)	2422.00	-15.25	8	Pass
NVNT	ANT1 + ANT2	802.11n(HT40)	2437.00	-15.16	8	Pass
NVNT	ANT1 + ANT2	802.11n(HT40)	2452.00	-14.03	8	Pass

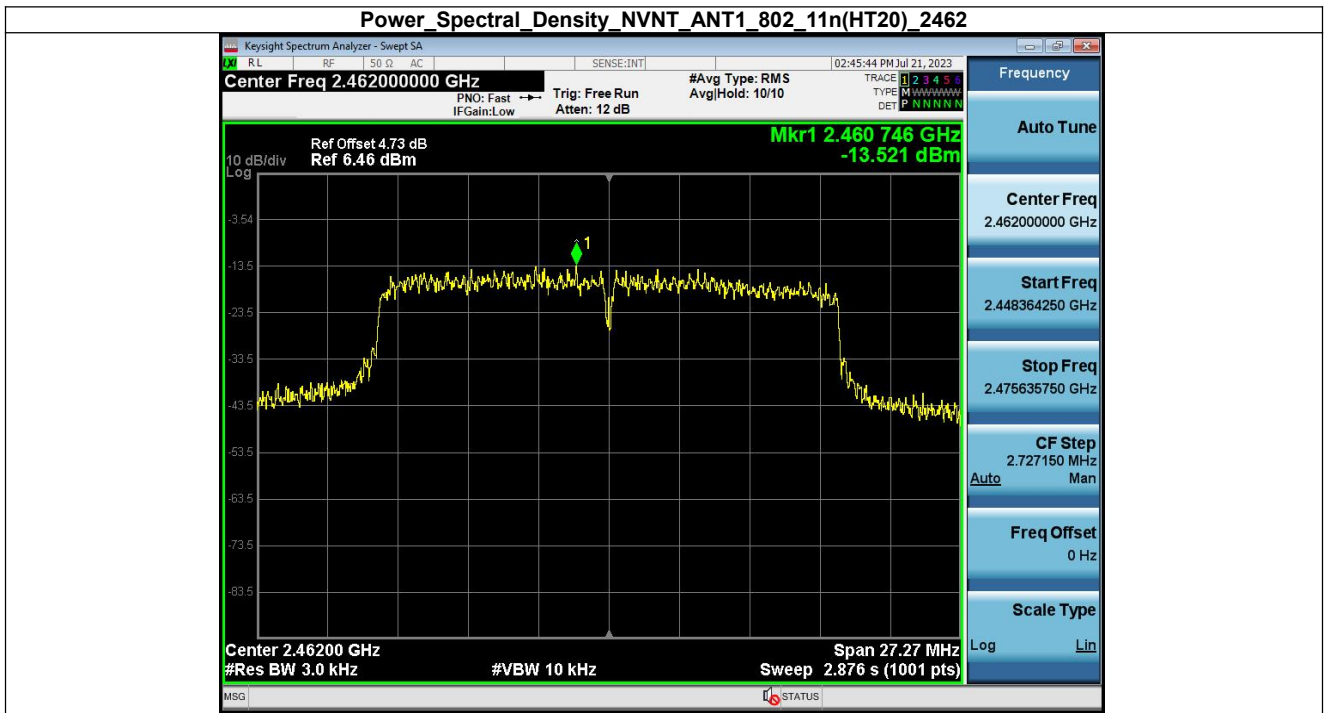
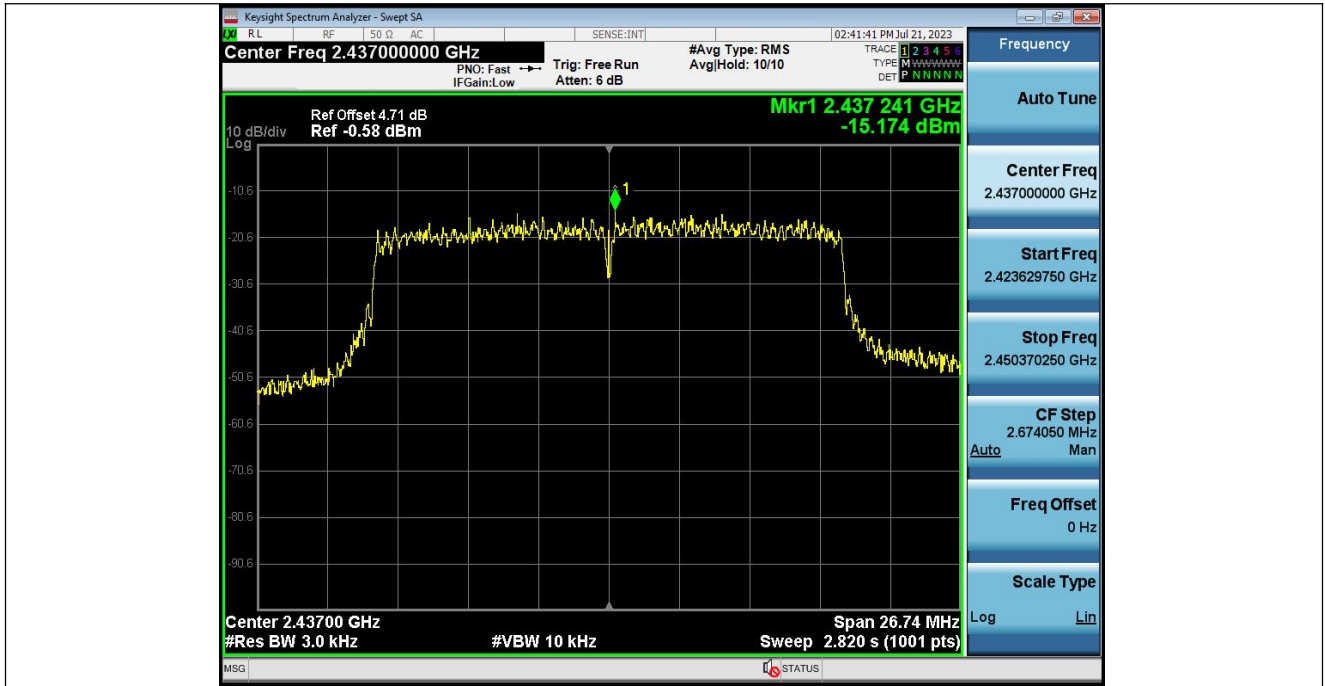




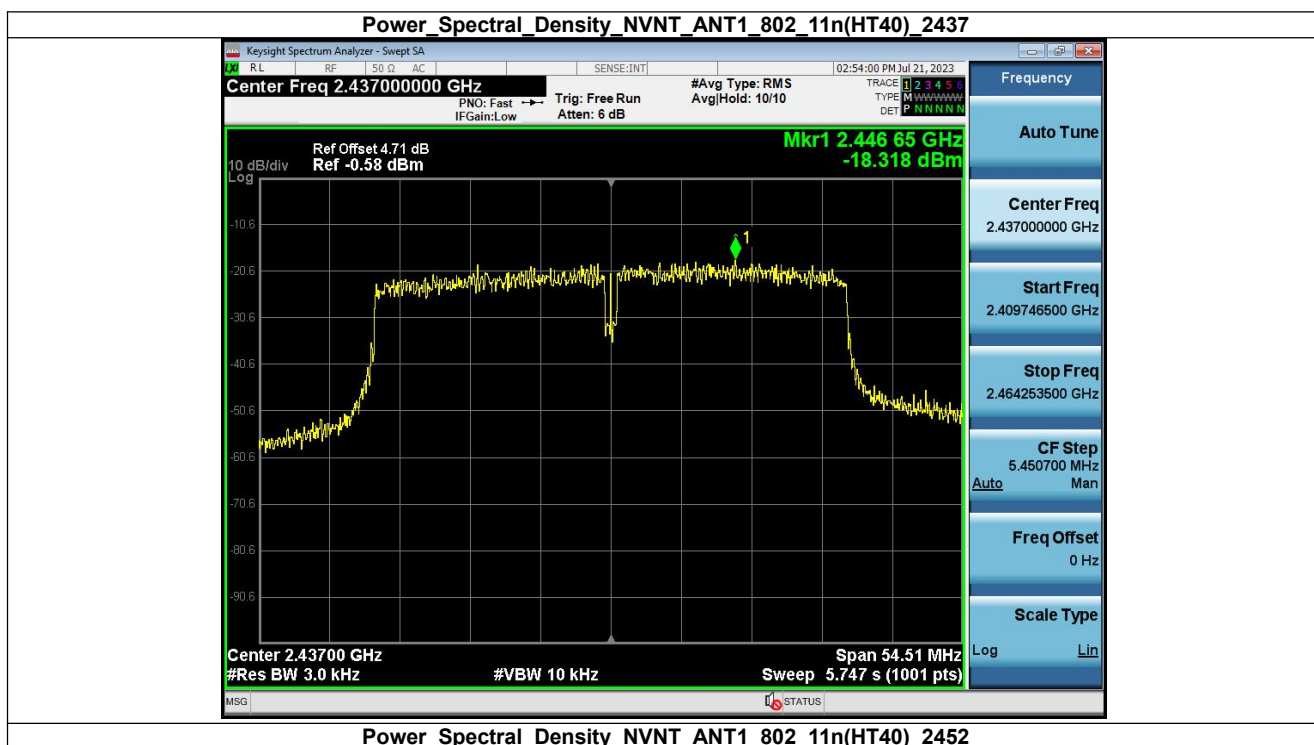
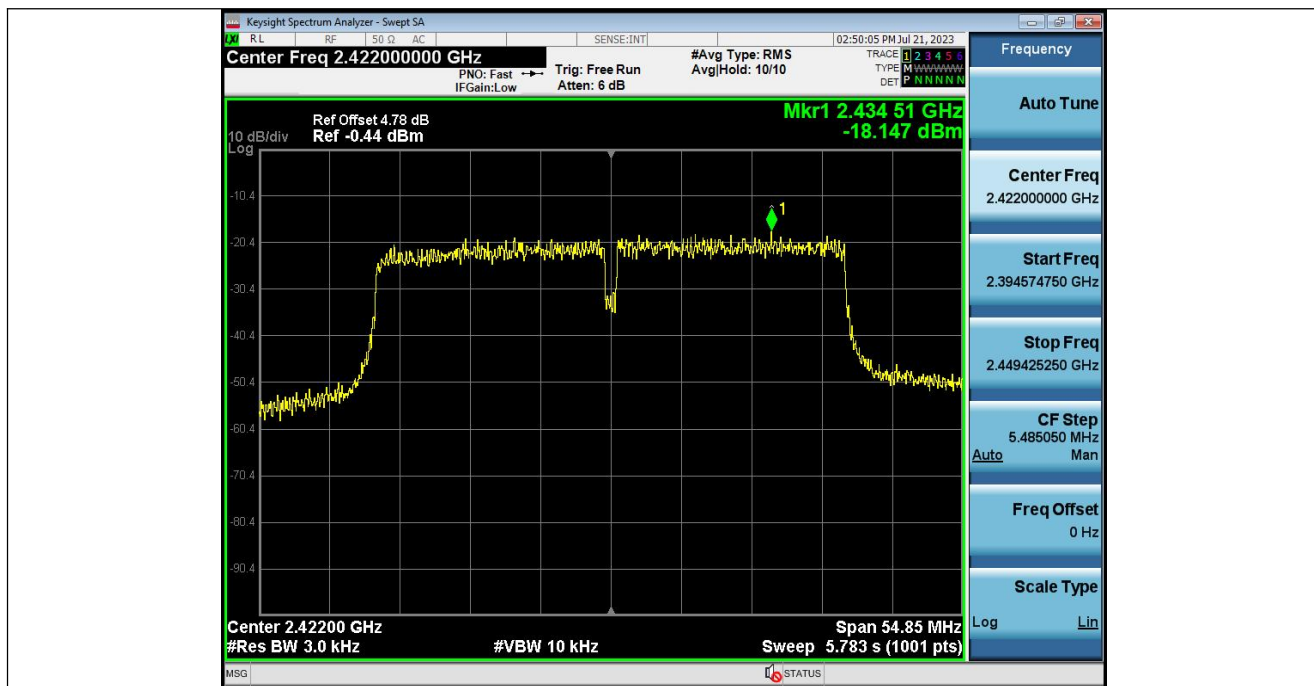


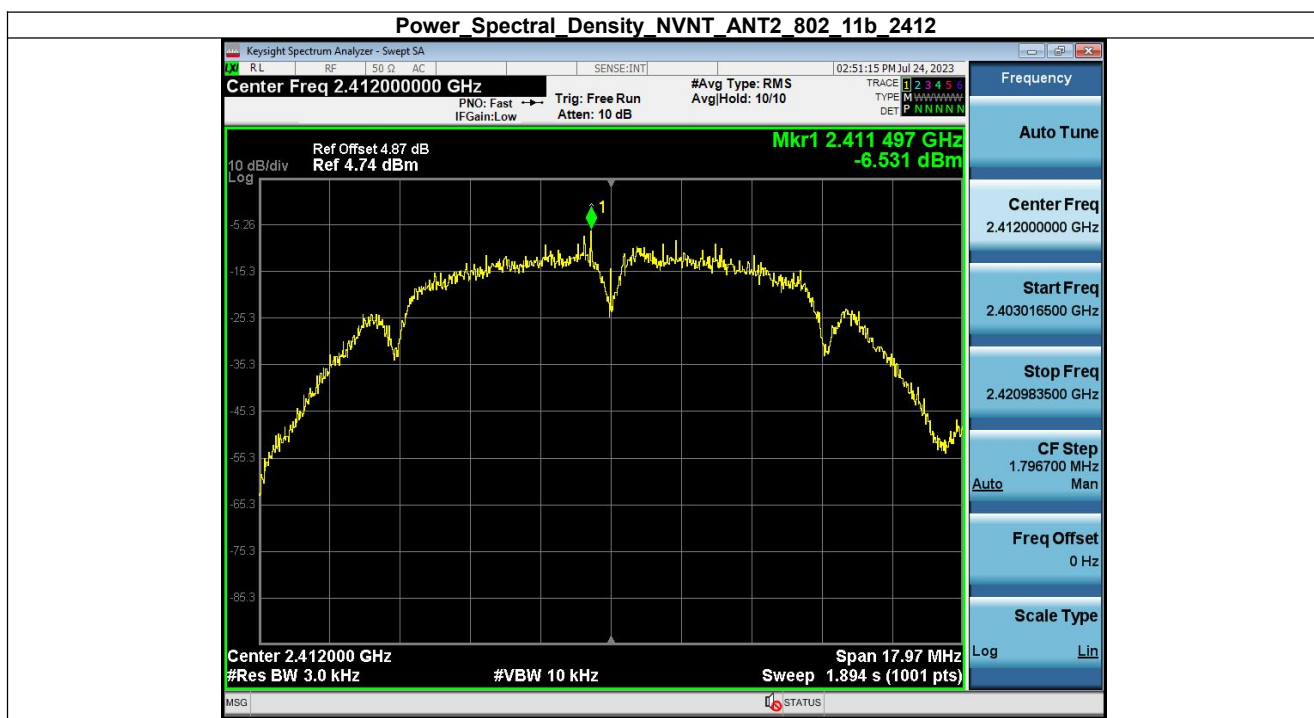
Power_Spectral_Density_NVNT_ANT1_802_11g_2462

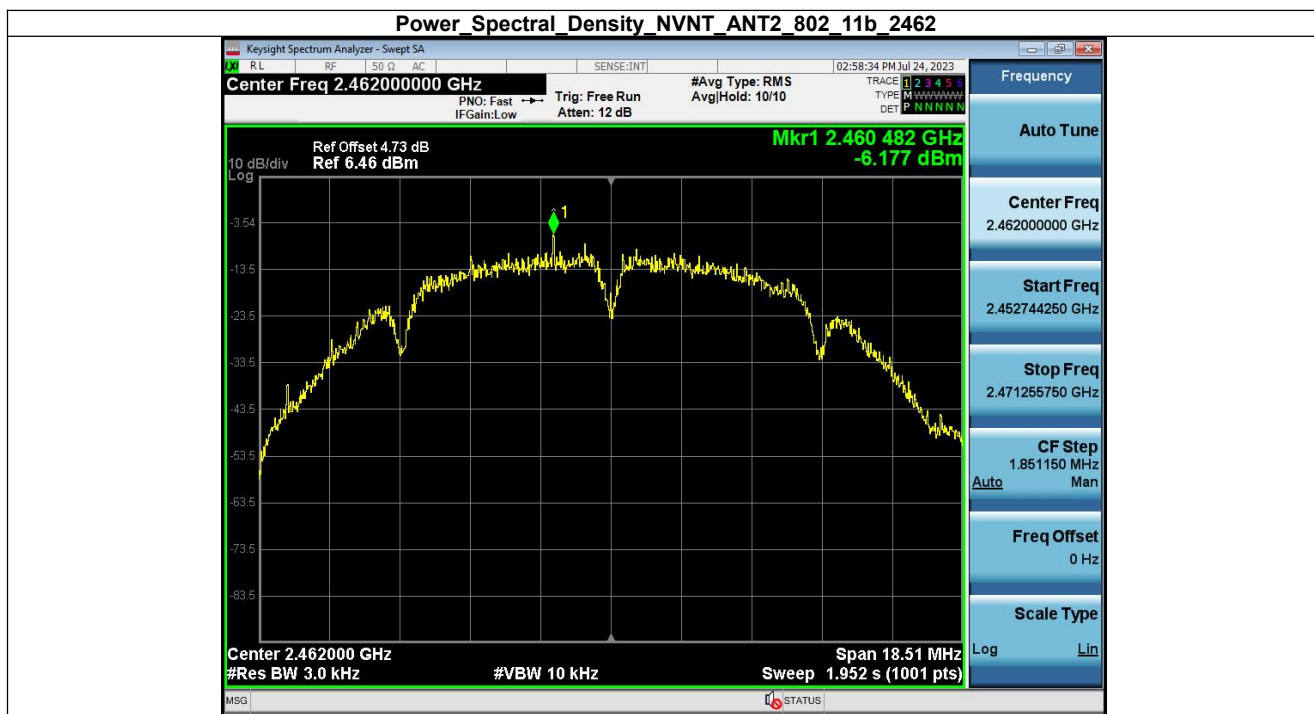




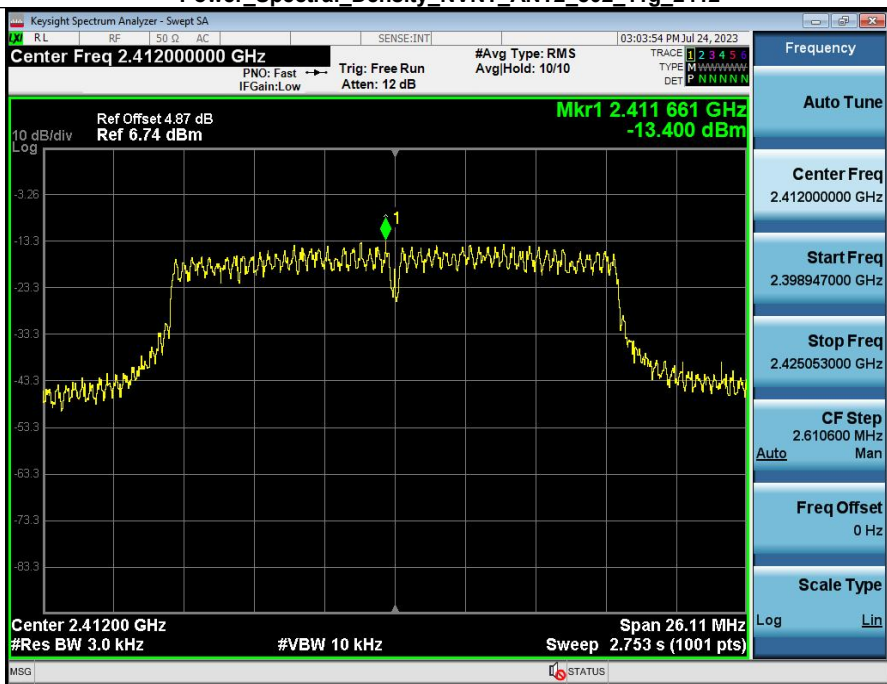
Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422



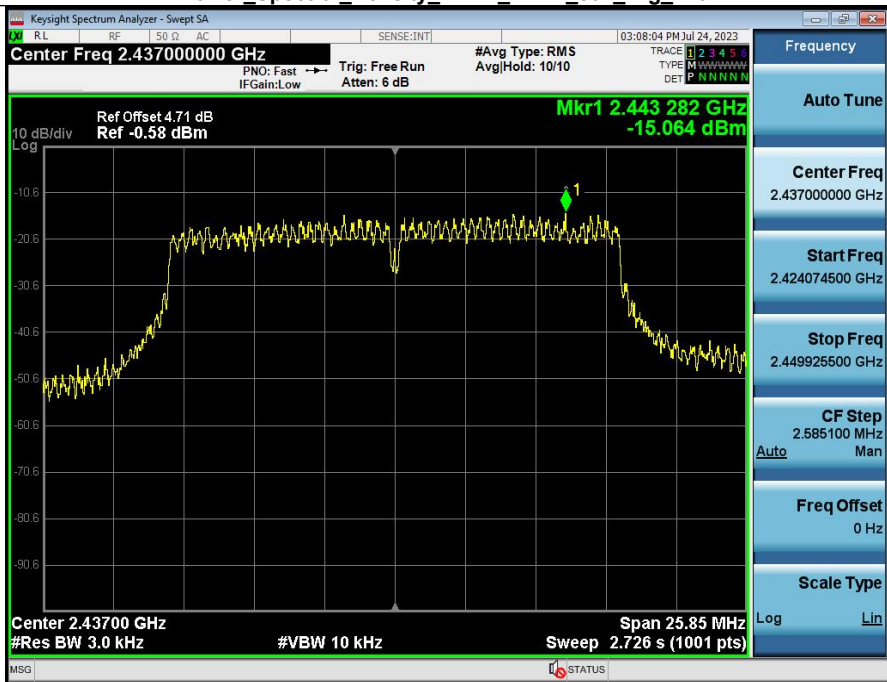




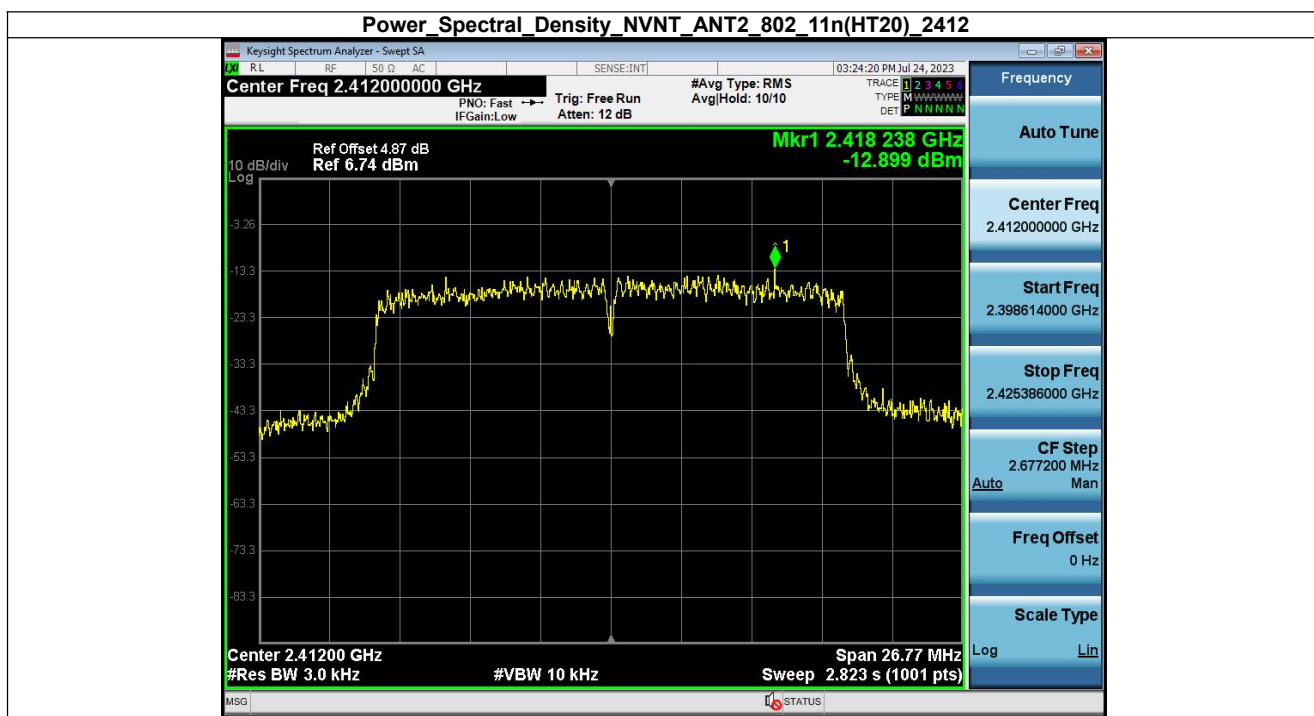
Power_Spectral_Density_NVNT_ANT2_802_11g_2412



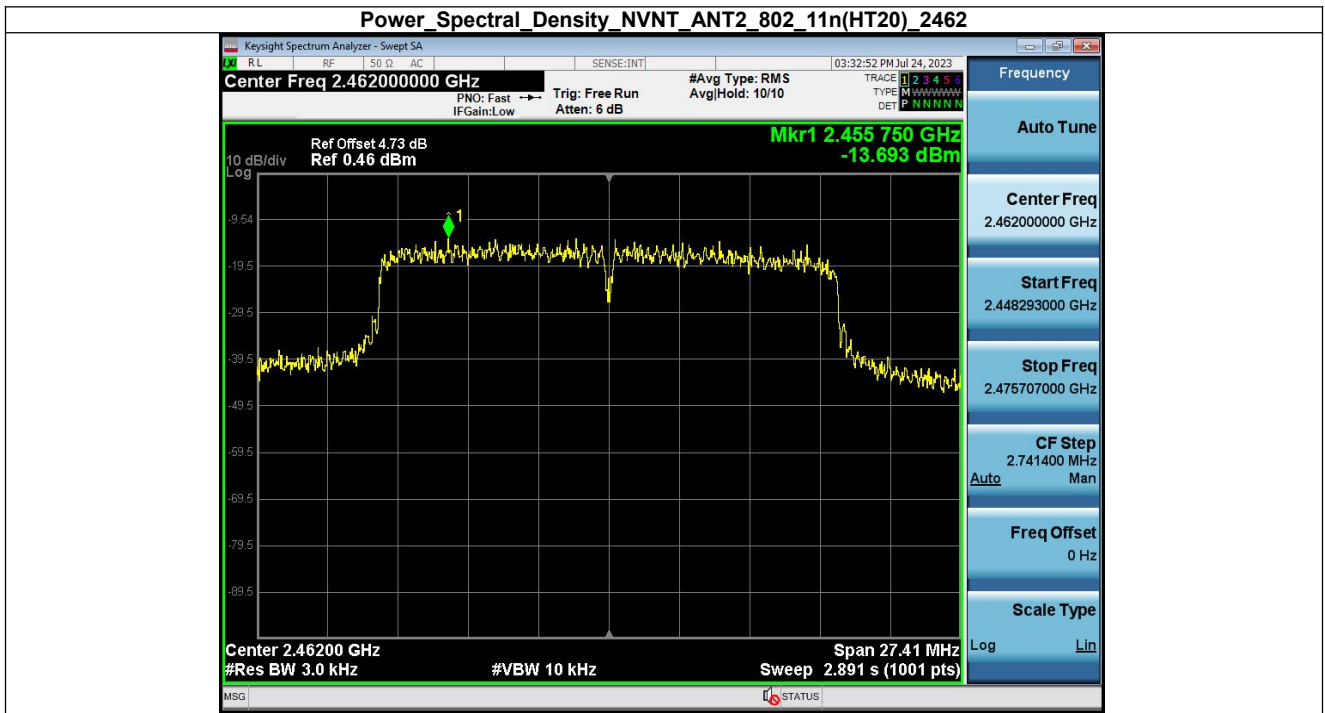
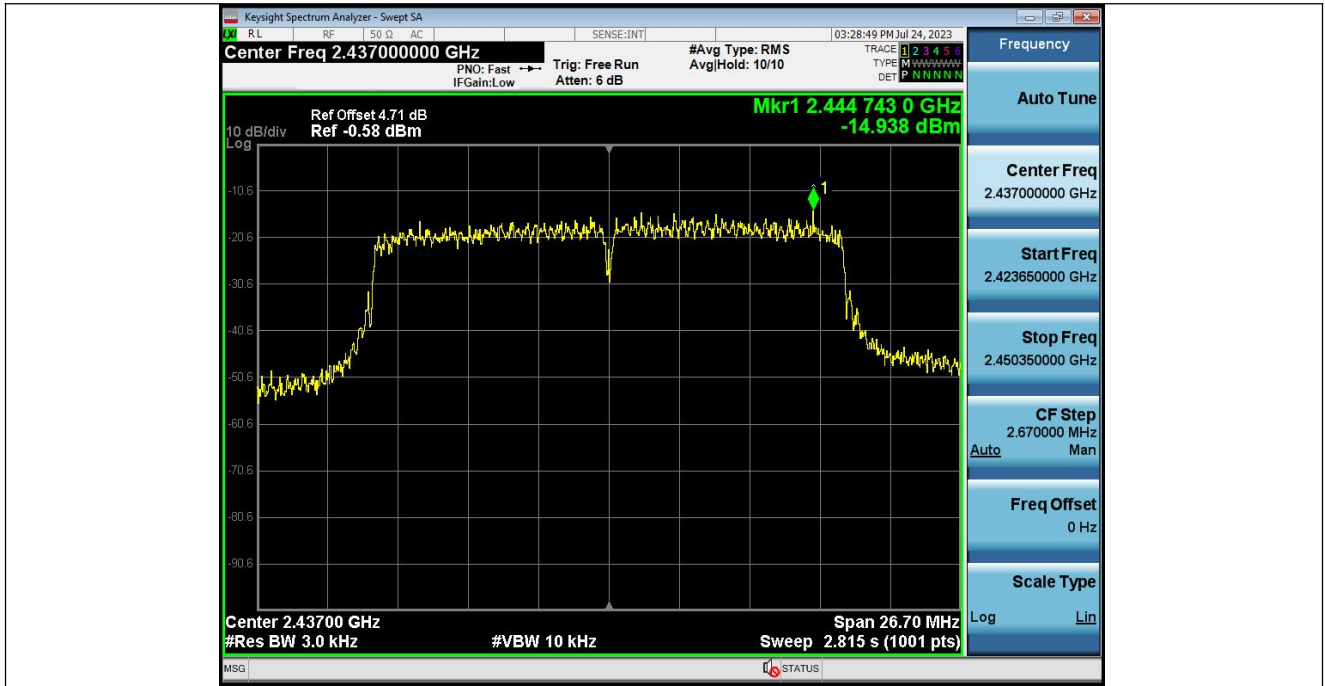
Power_Spectral_Density_NVNT_ANT2_802_11g_2437



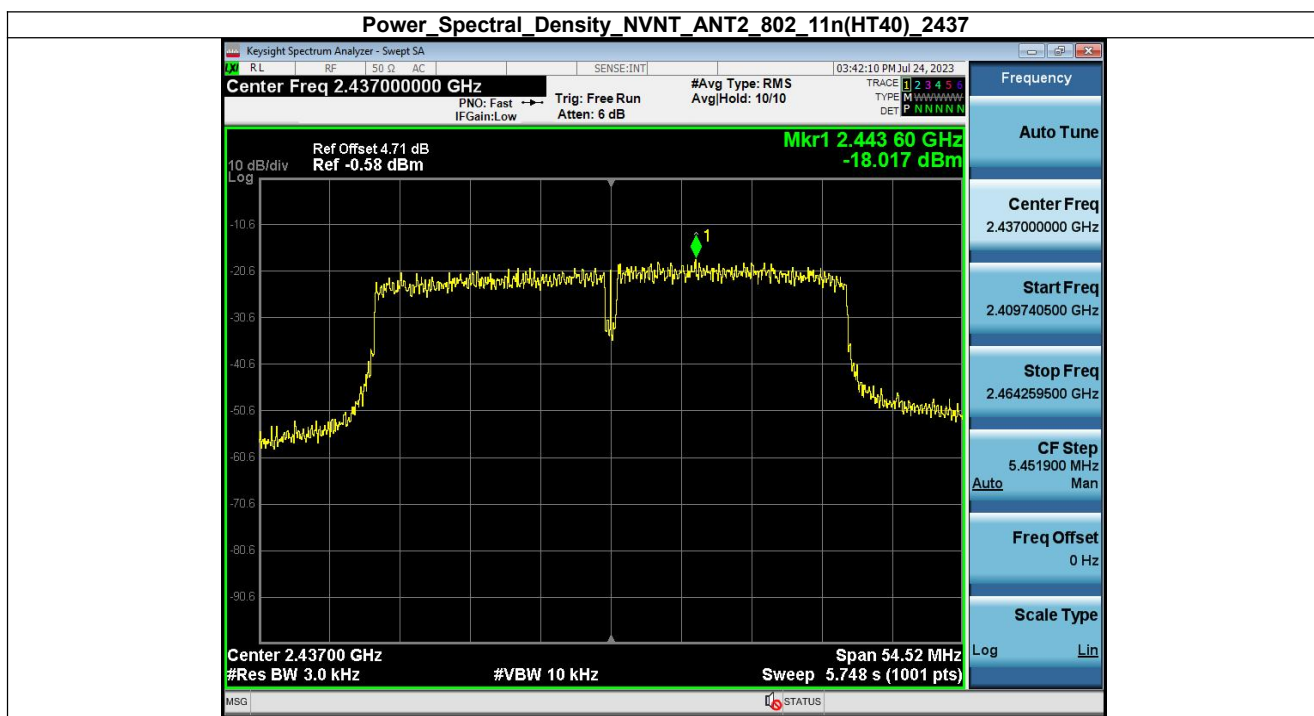
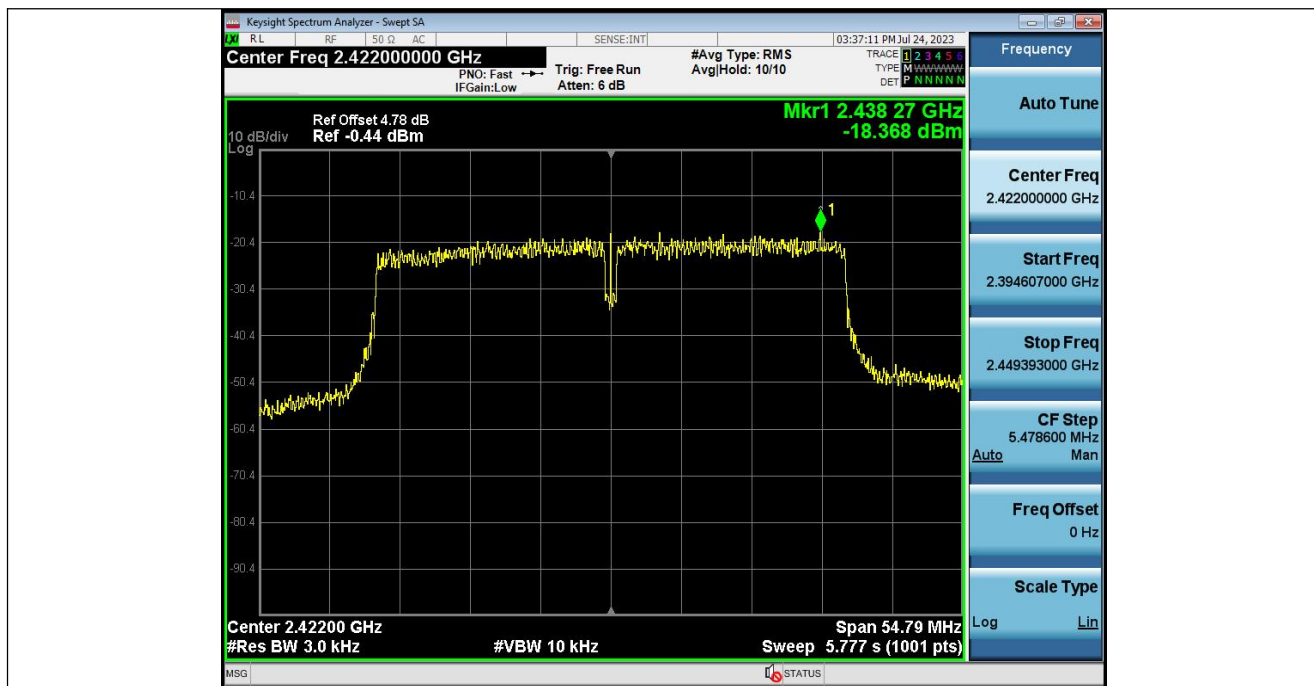
Power_Spectral_Density_NVNT_ANT2_802_11g_2462



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_2437



Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2422



Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2452

