

APPENDIX I TEST RESULTS

Table of Contents

1. -6dB Bandwidth..... 1

2. Bandedge..... 8

3. MAX. Output Power.....17

4. Power Spectral Density24

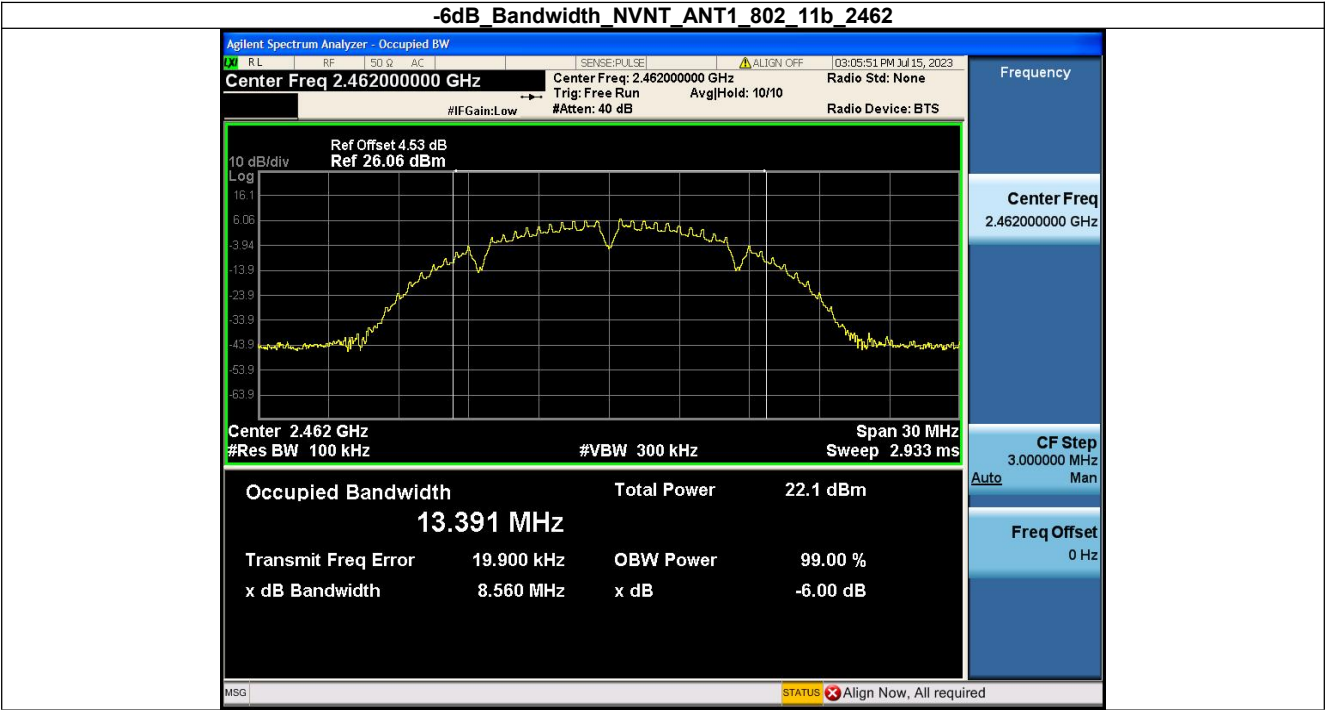
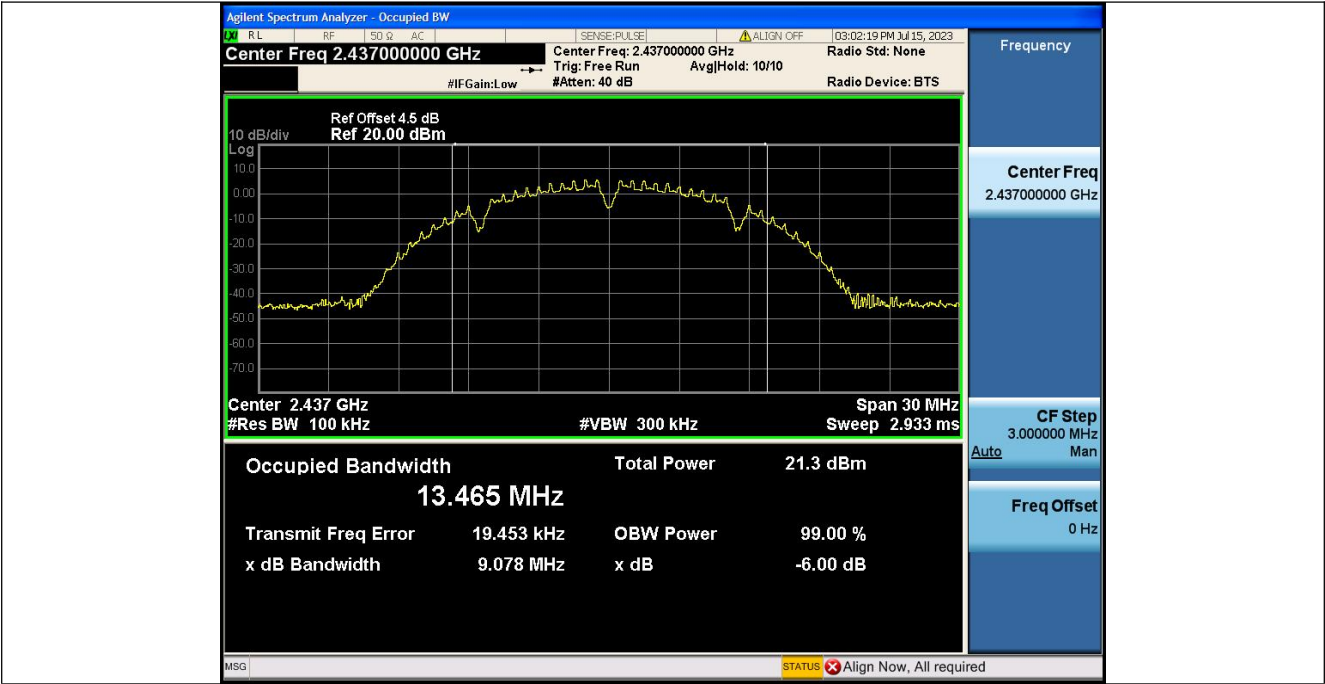
5. Spurious Emission31

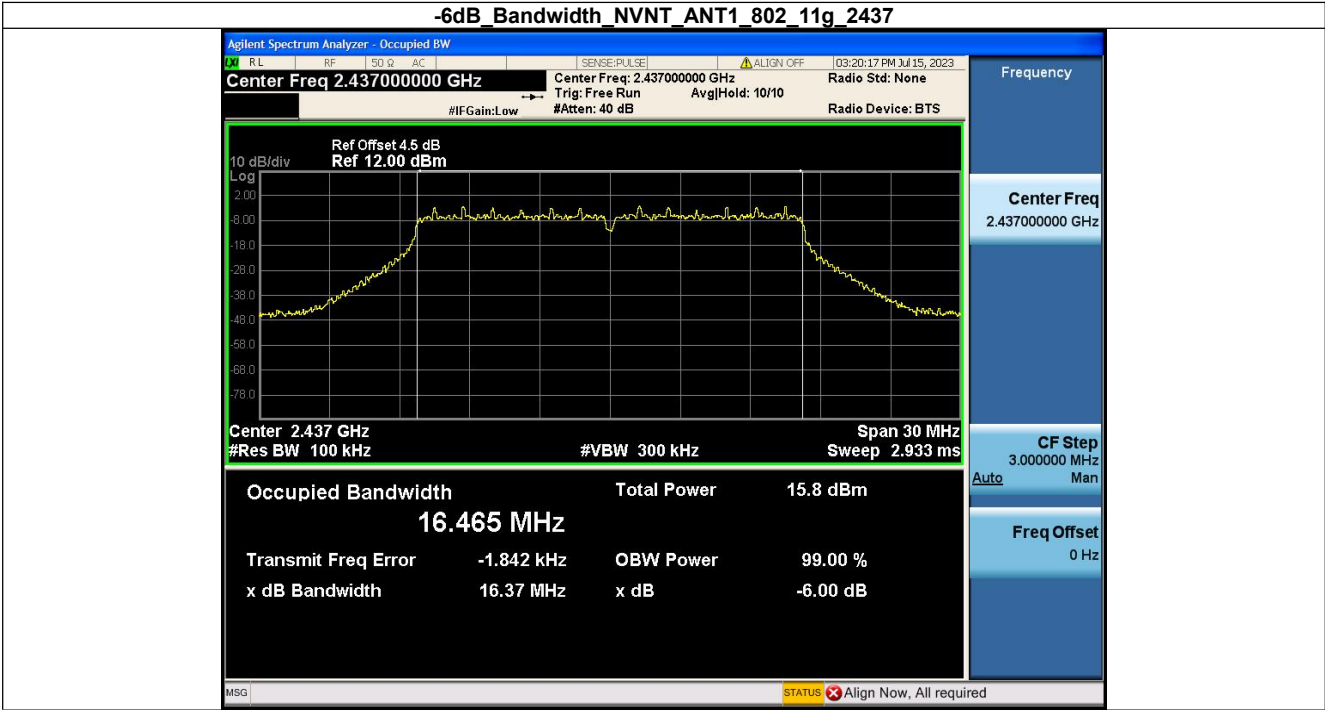
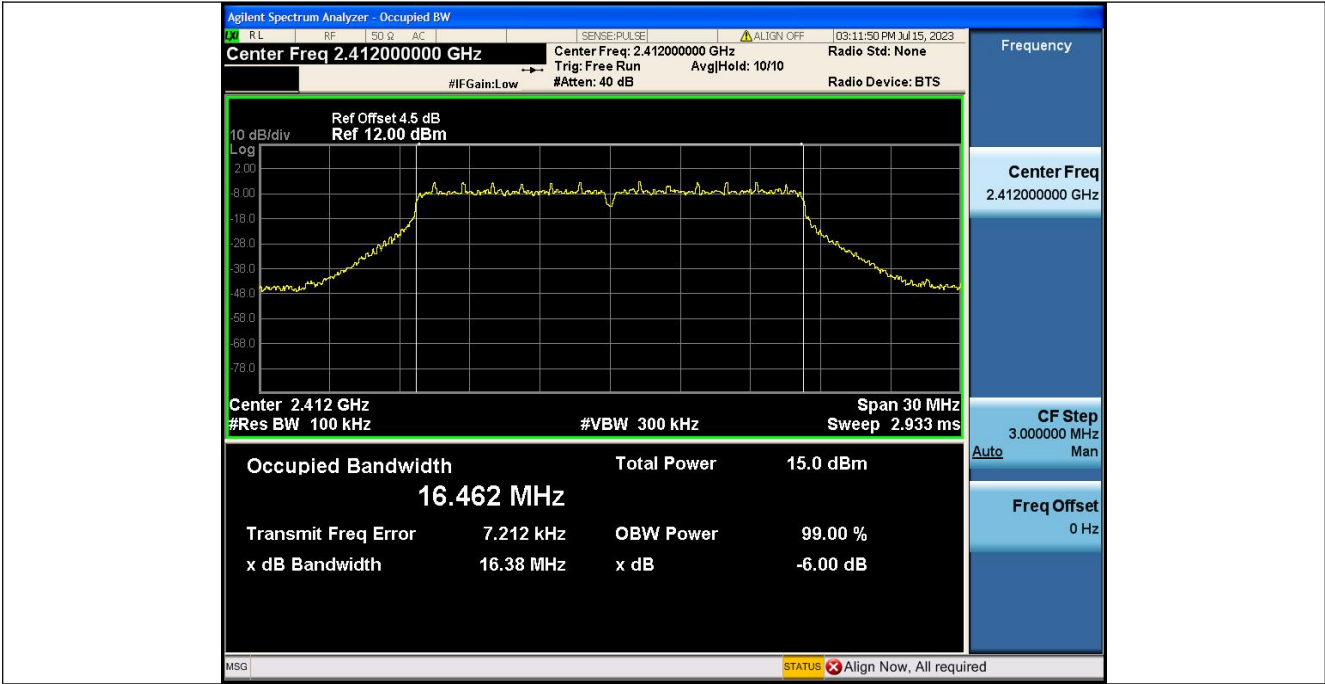
1. -6dB Bandwidth

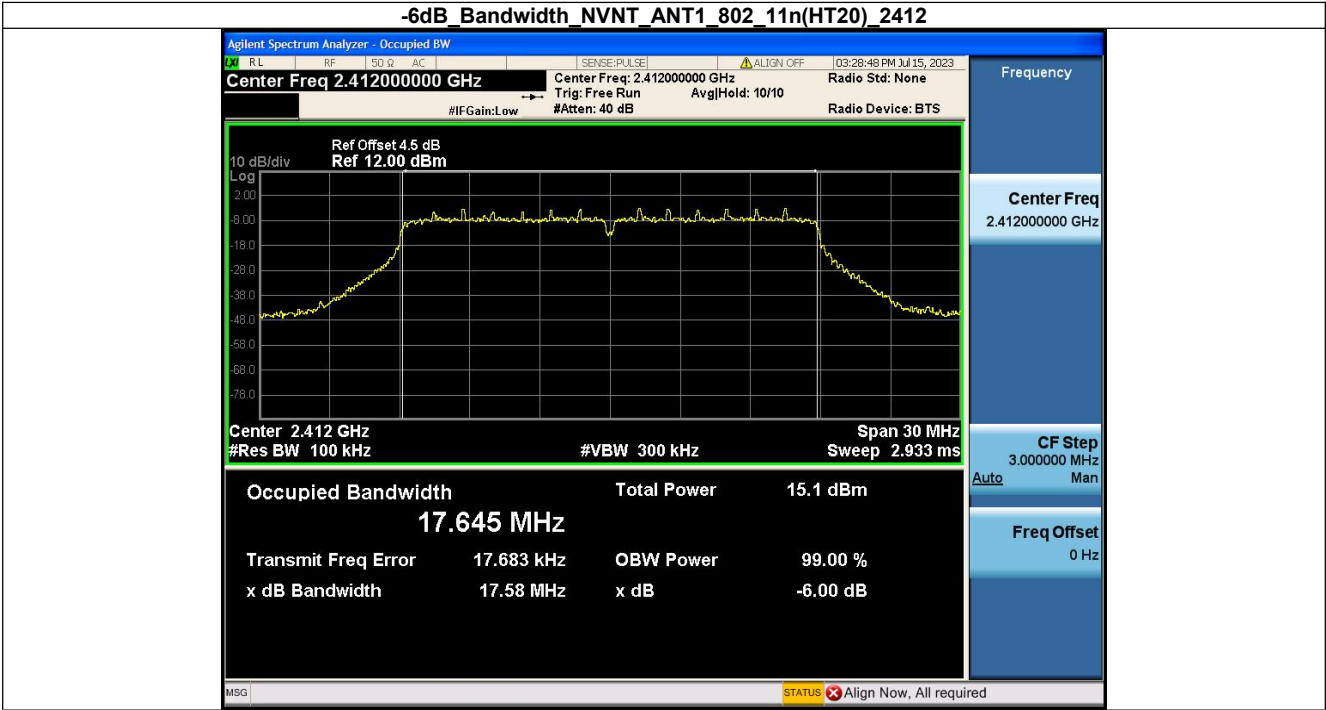
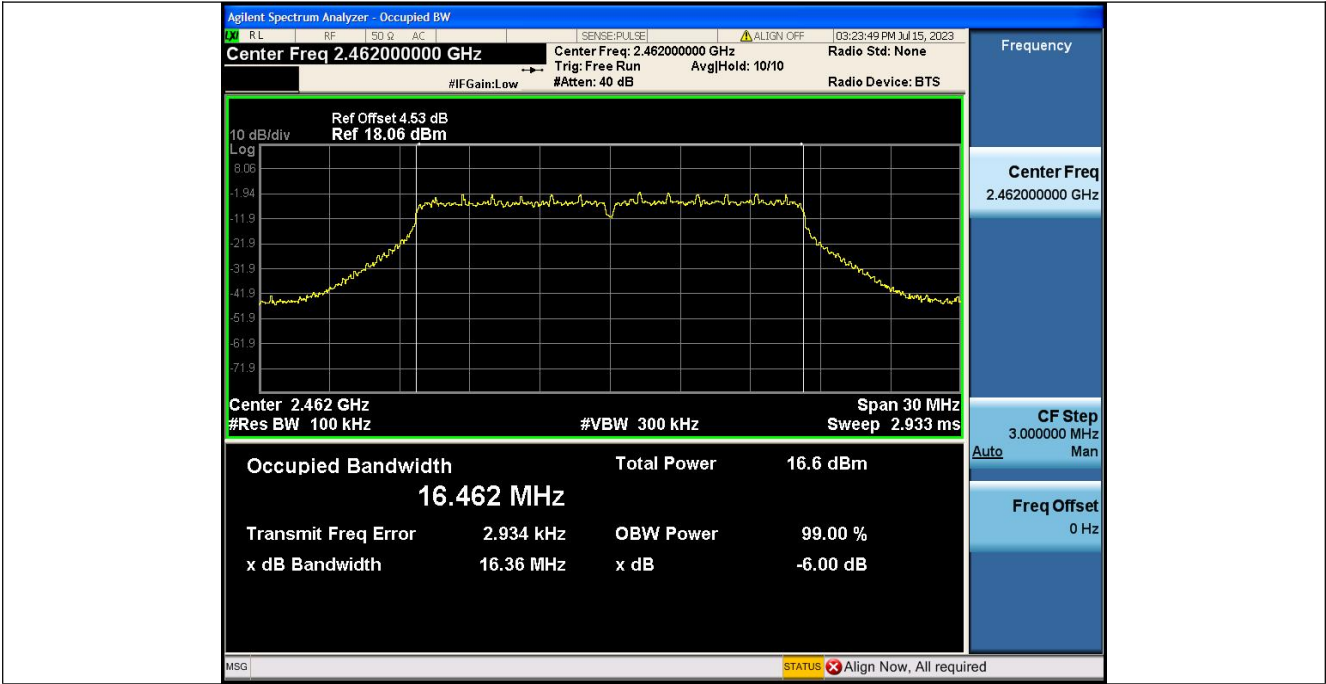
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.05	500	Pass
NVNT	ANT1	802.11b	2437.00	9.08	500	Pass
NVNT	ANT1	802.11b	2462.00	8.56	500	Pass
NVNT	ANT1	802.11g	2412.00	16.38	500	Pass
NVNT	ANT1	802.11g	2437.00	16.37	500	Pass
NVNT	ANT1	802.11g	2462.00	16.36	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.58	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.58	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.54	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.41	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.43	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.43	500	Pass

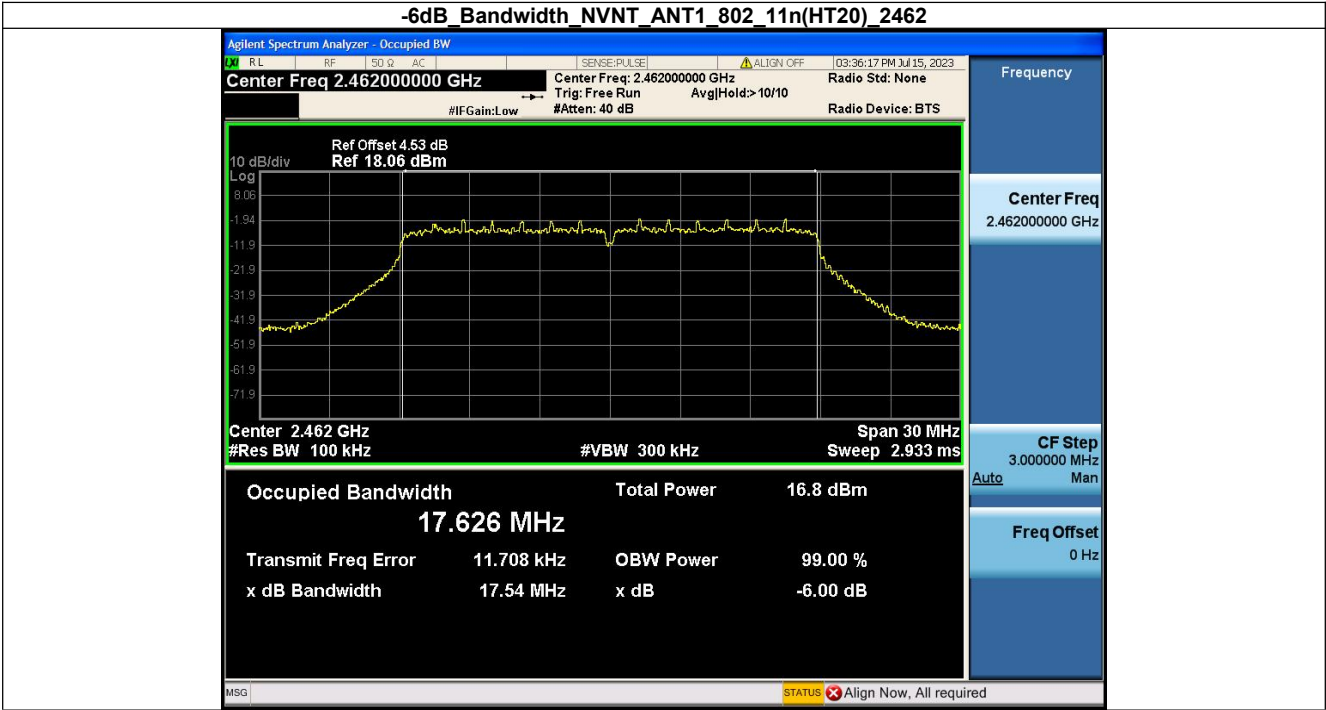
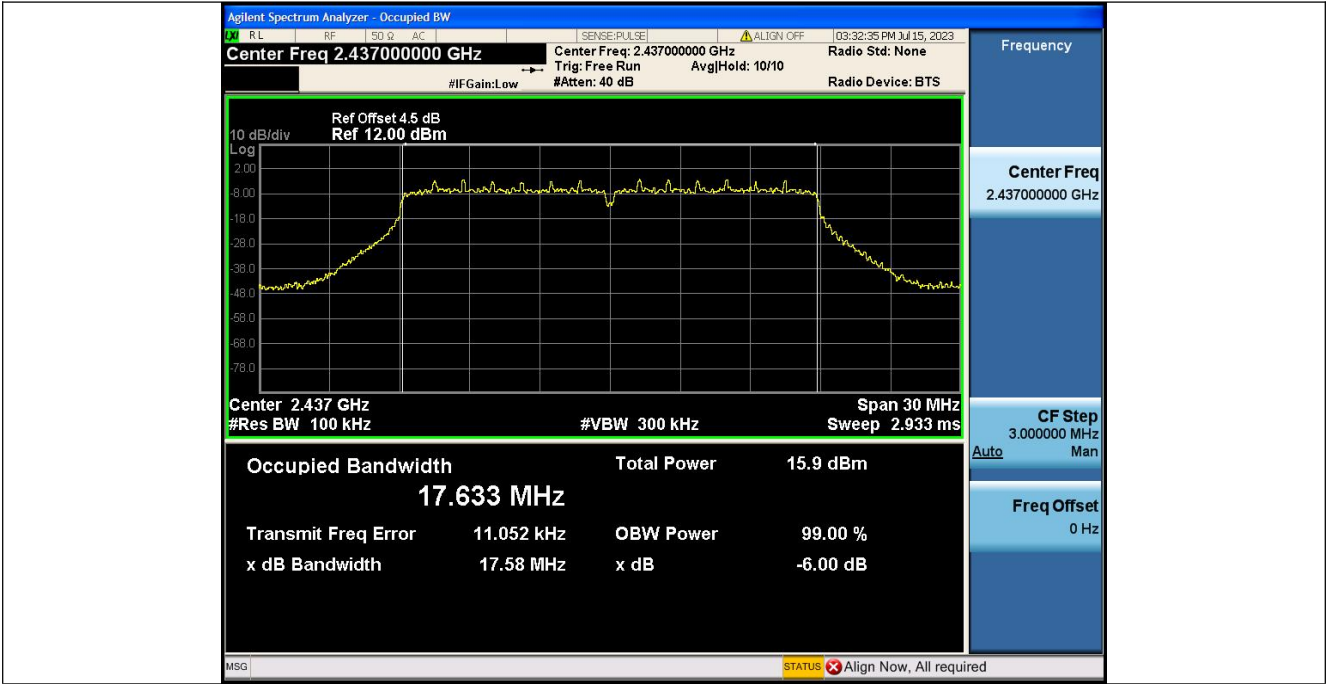


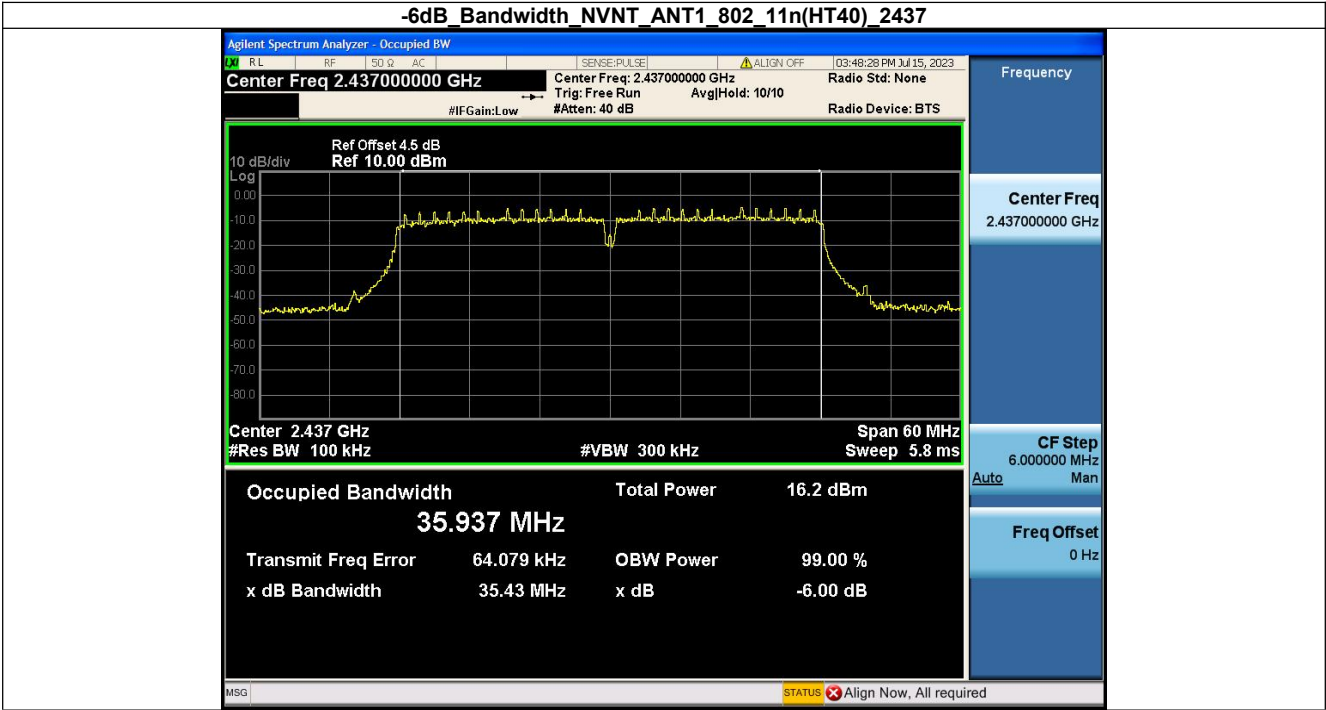
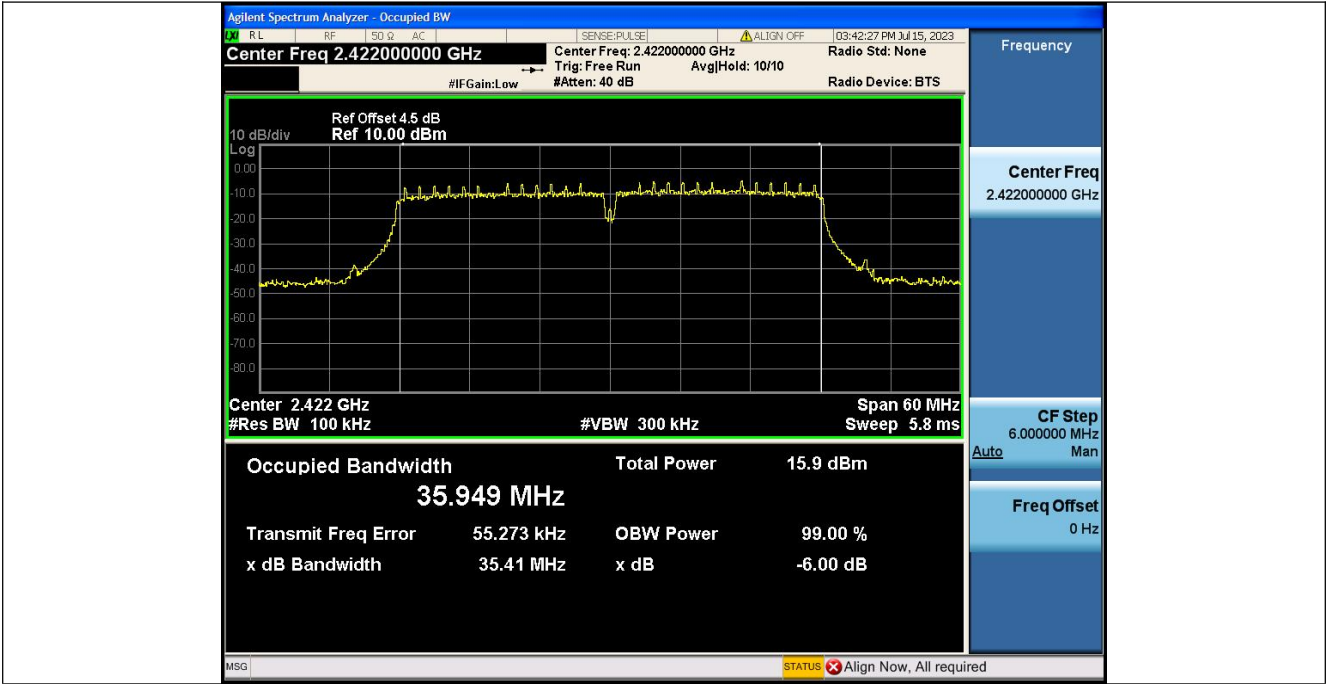
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437

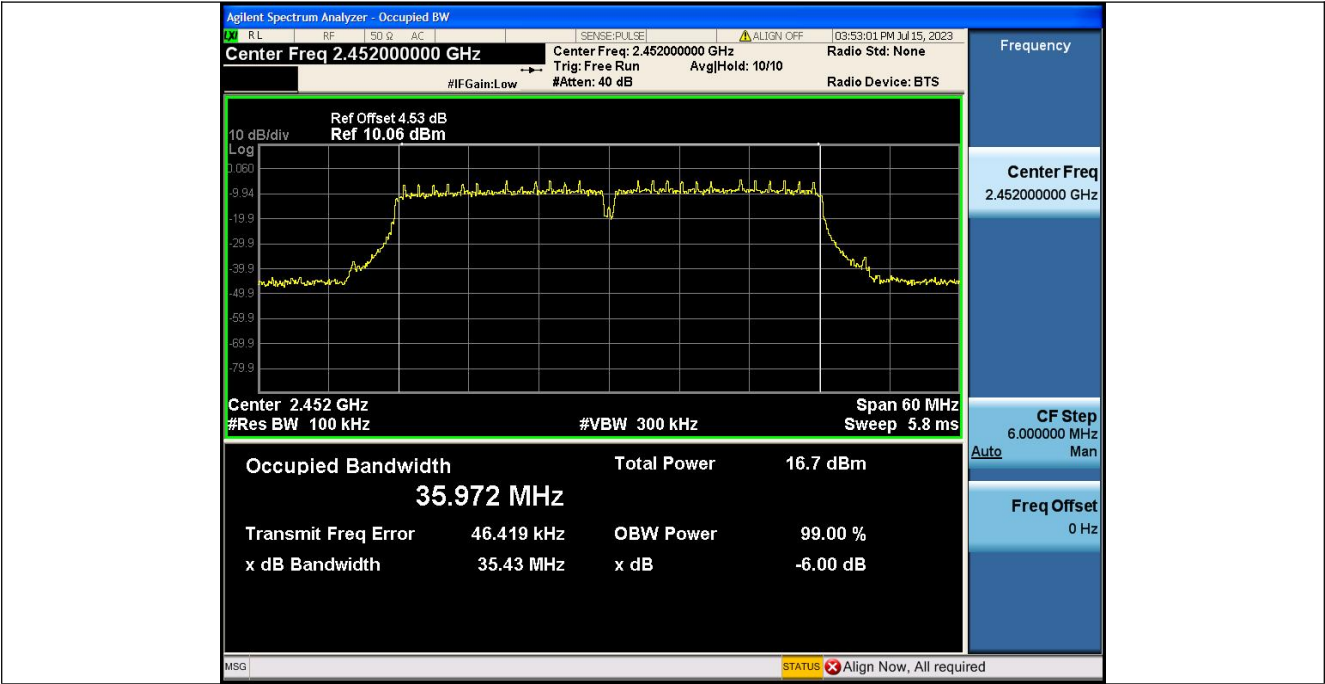






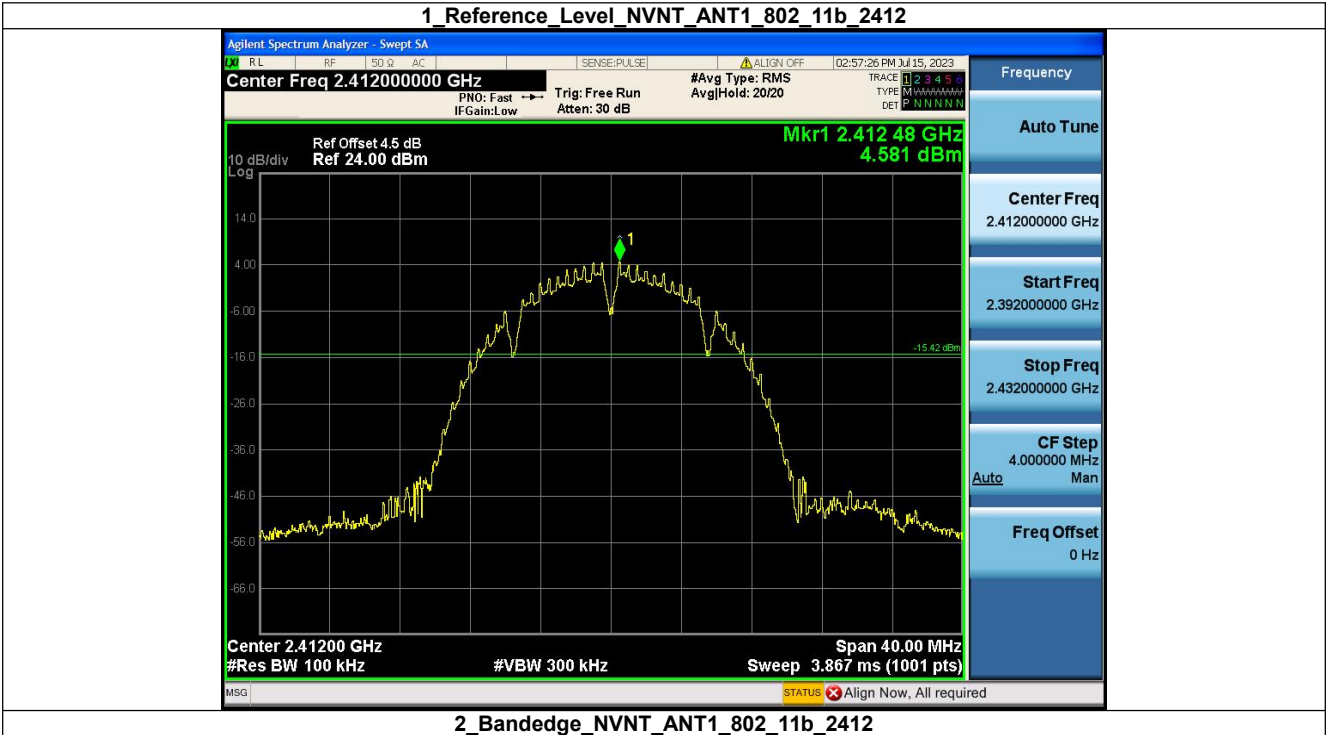


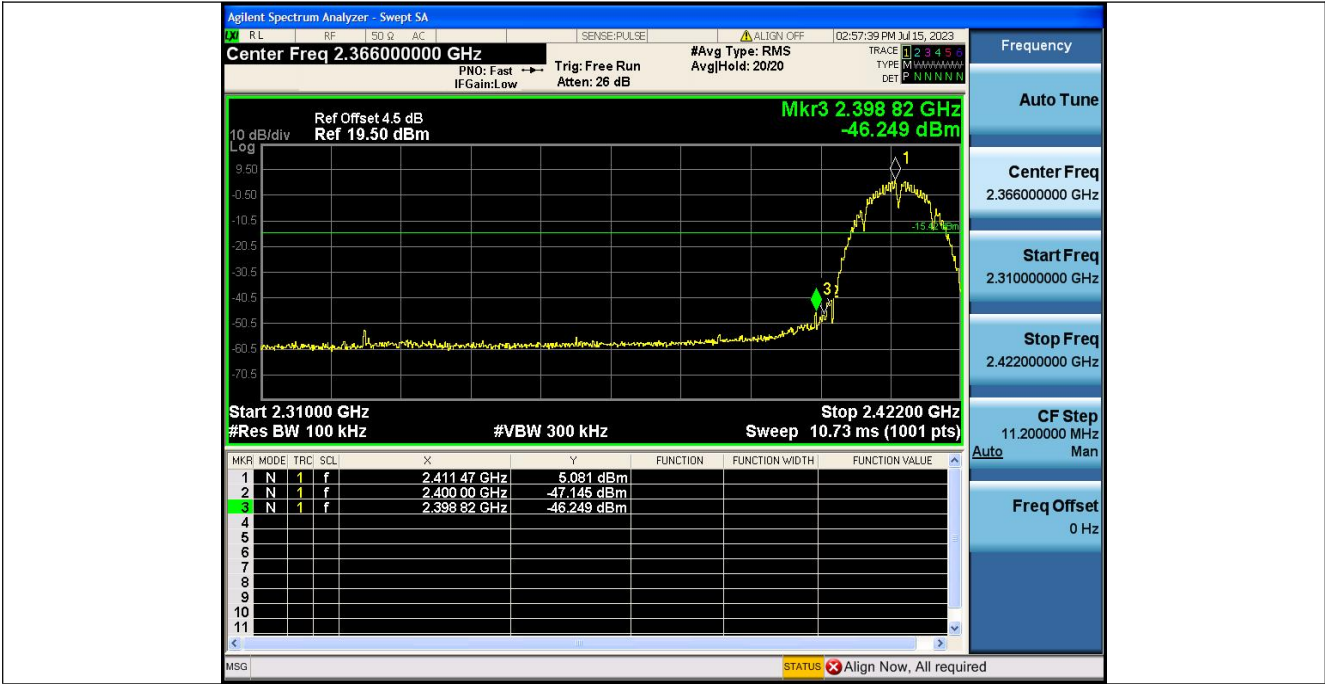




2. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2398.816	-46.249	-15.419	Pass
NVNT	ANT1	802.11b	2462.00	2486.608	-52.389	-14.200	Pass
NVNT	ANT1	802.11g	2412.00	2399.936	-43.159	-23.060	Pass
NVNT	ANT1	802.11g	2462.00	2484.832	-55.073	-21.287	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.936	-41.474	-23.011	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.632	-53.220	-21.053	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.892	-43.117	-24.938	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2483.612	-51.455	-24.355	Pass





1 Reference_Level_NVNT_ANT1_802_11b_2462



2 Bandedge_NVNT_ANT1_802_11b_2462



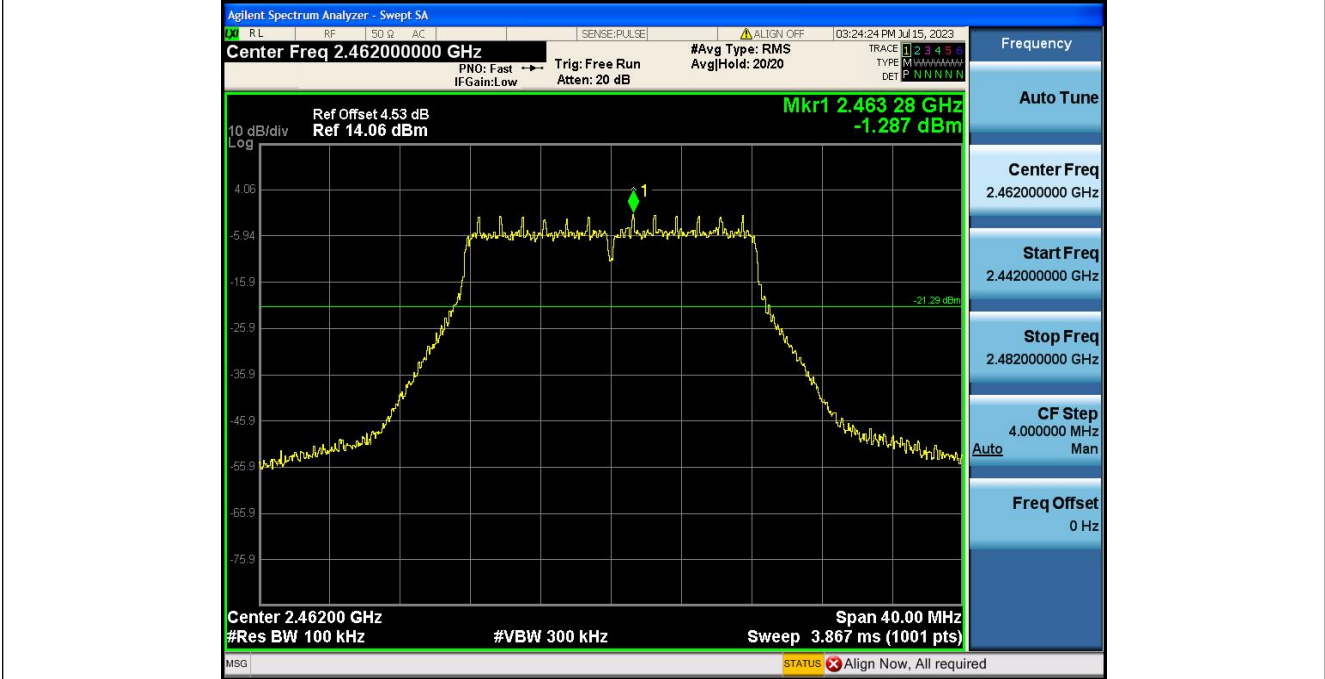
1_Reference_Level_NVNT_ANT1_802_11g_2412



2_Bandedge_NVNT_ANT1_802_11g_2412



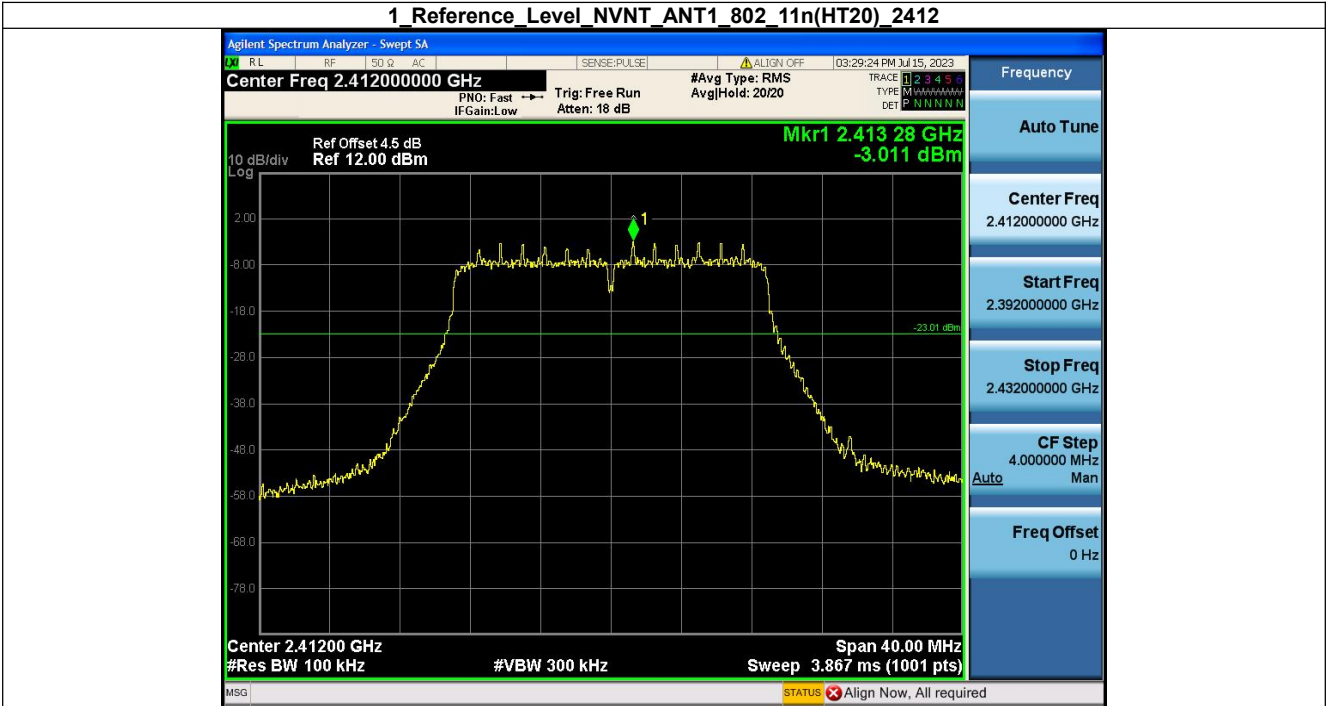
1_Reference_Level_NVNT_ANT1_802_11g_2462



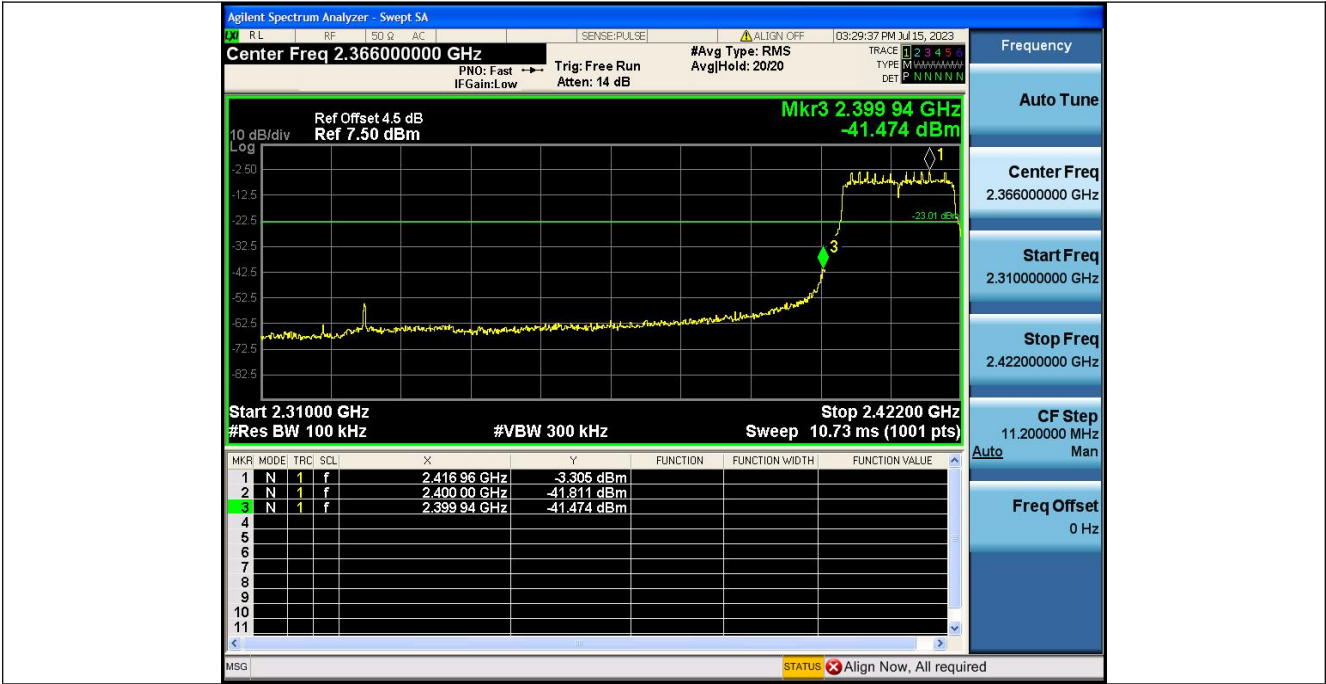
2_Bandedge_NVNT_ANT1_802_11g_2462



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



1 Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



2_Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



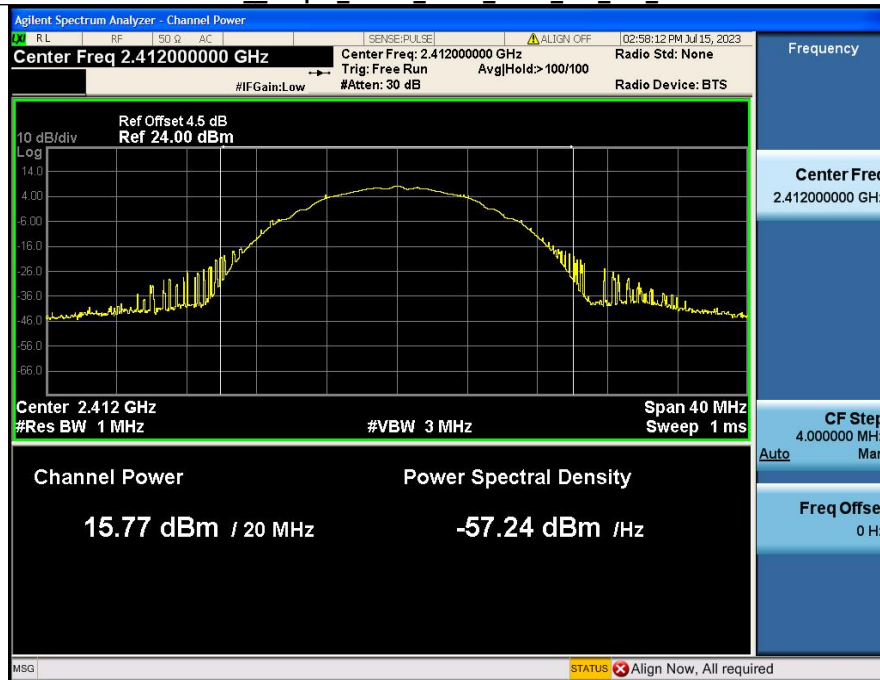
2_Bandedge_NVNT_ANT1_802_11n(HT40)_2452



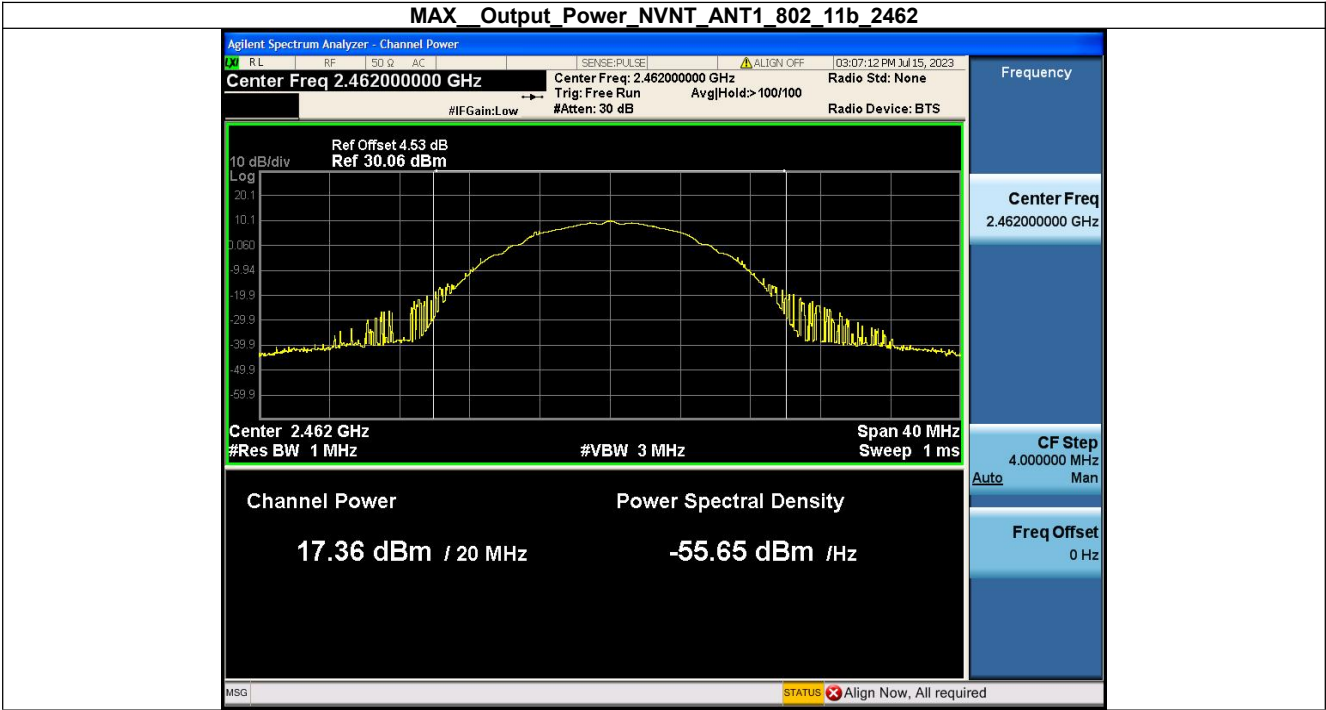
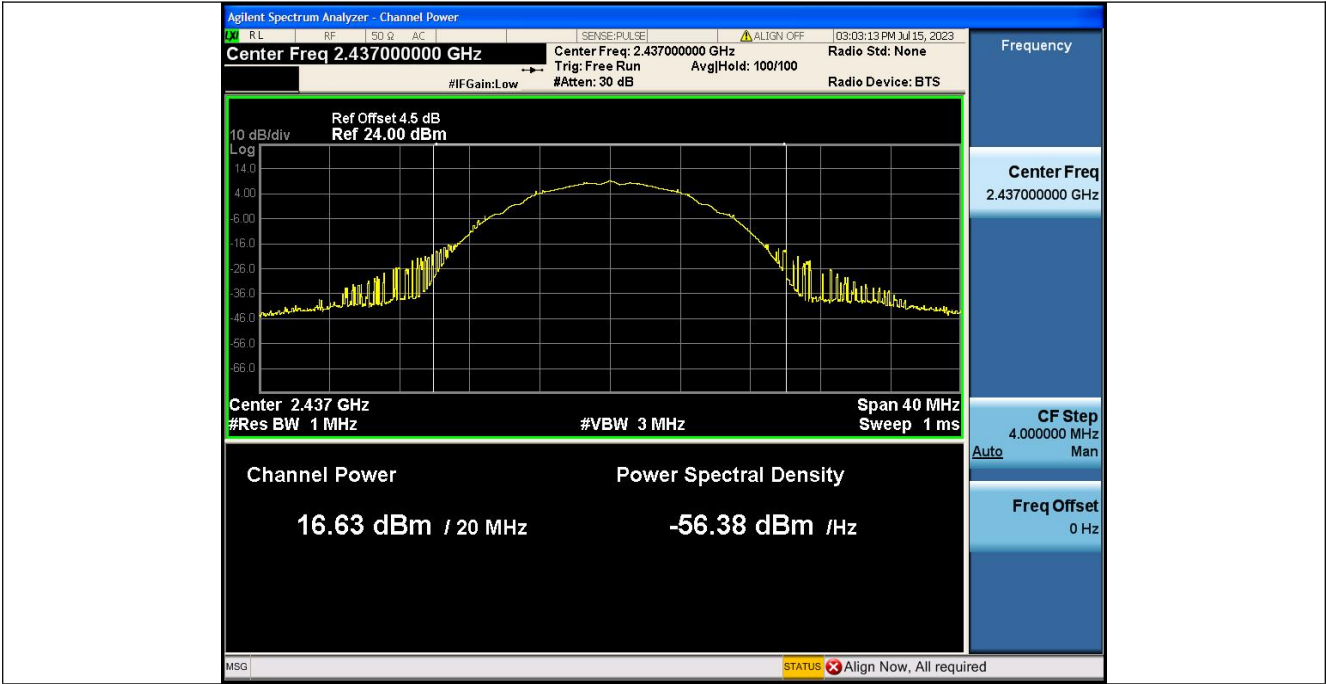
3. MAX. Output Power

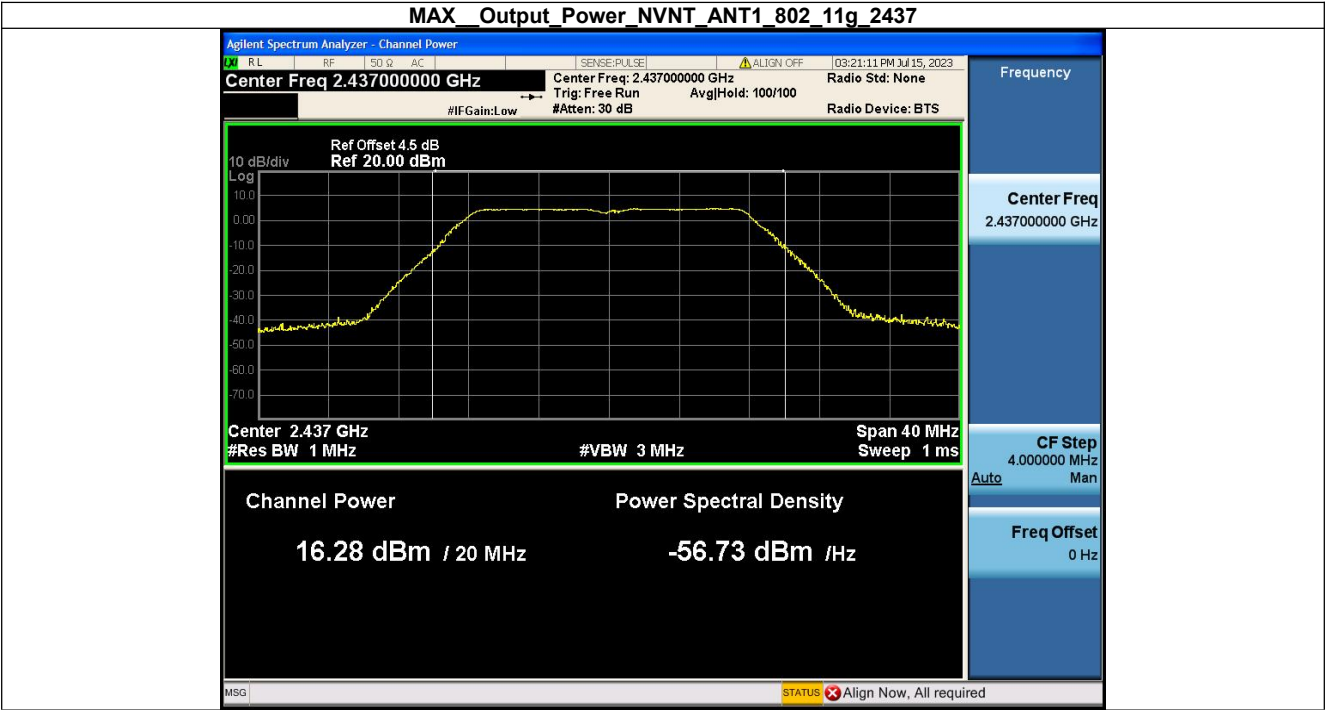
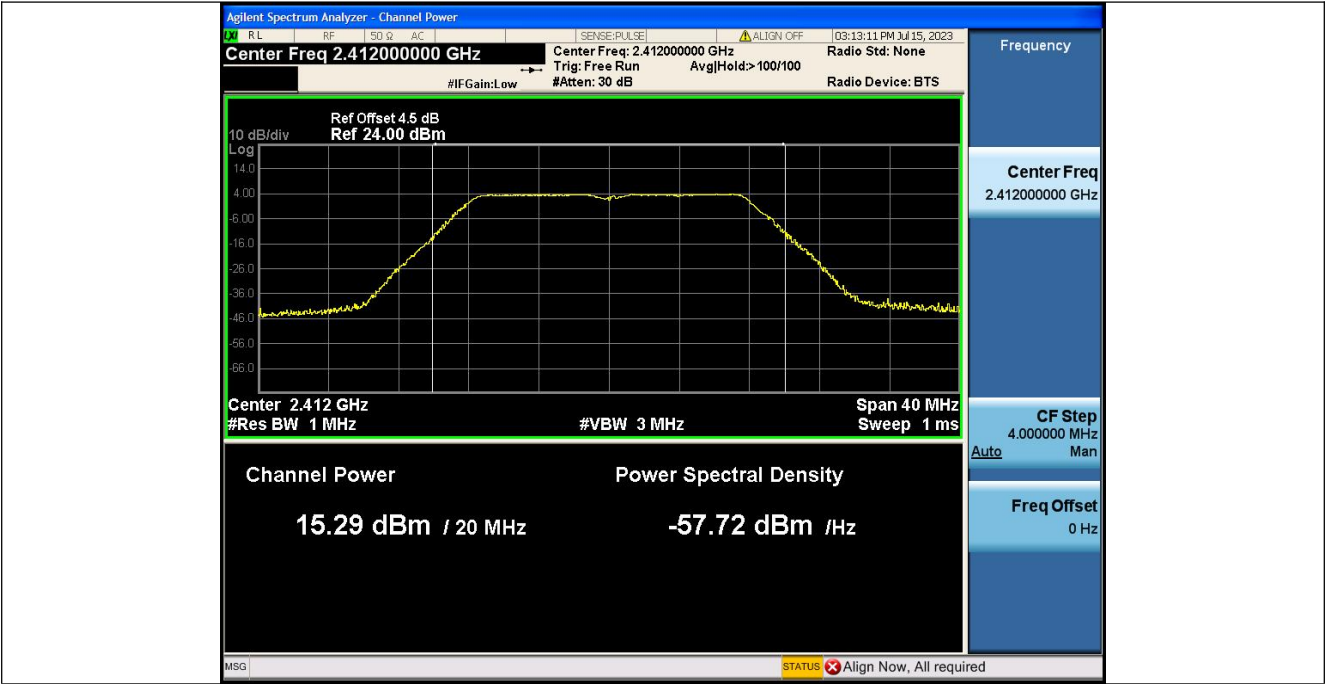
Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	15.77	N/A	15.77	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	16.63	N/A	16.63	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	17.36	N/A	17.36	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	15.29	N/A	15.29	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	16.28	N/A	16.28	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	17.15	N/A	17.15	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	15.34	N/A	15.34	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	16.39	N/A	16.39	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	17.23	N/A	17.23	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	16.01	N/A	16.01	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	16.50	N/A	16.50	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	17.06	N/A	17.06	30	Pass

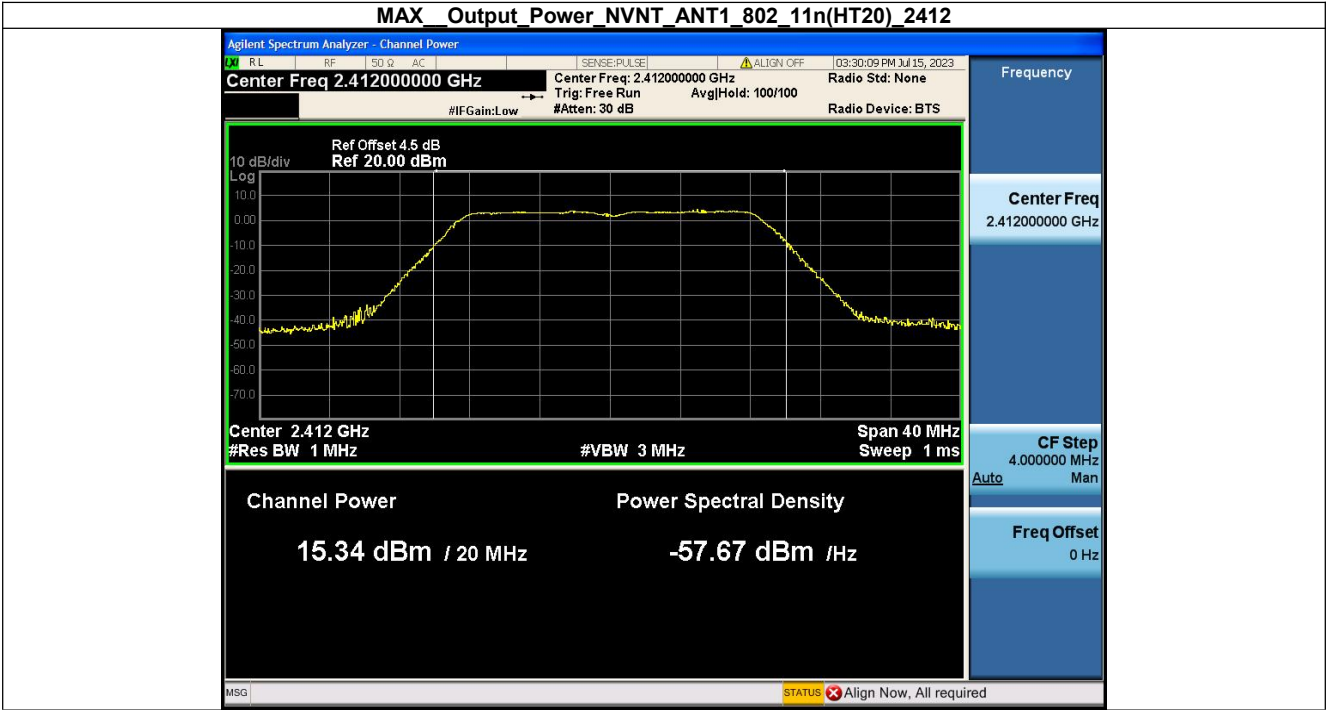
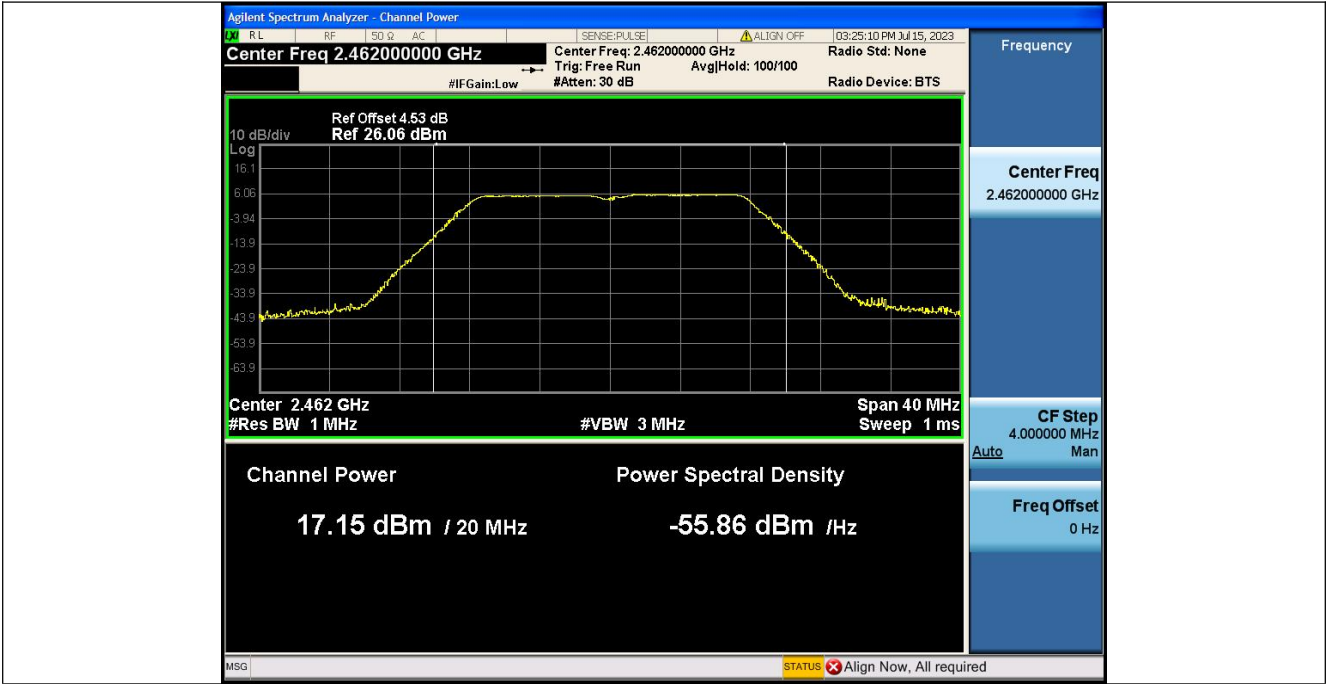
MAX_Output_Power_NVNT_ANT1_802_11b_2412

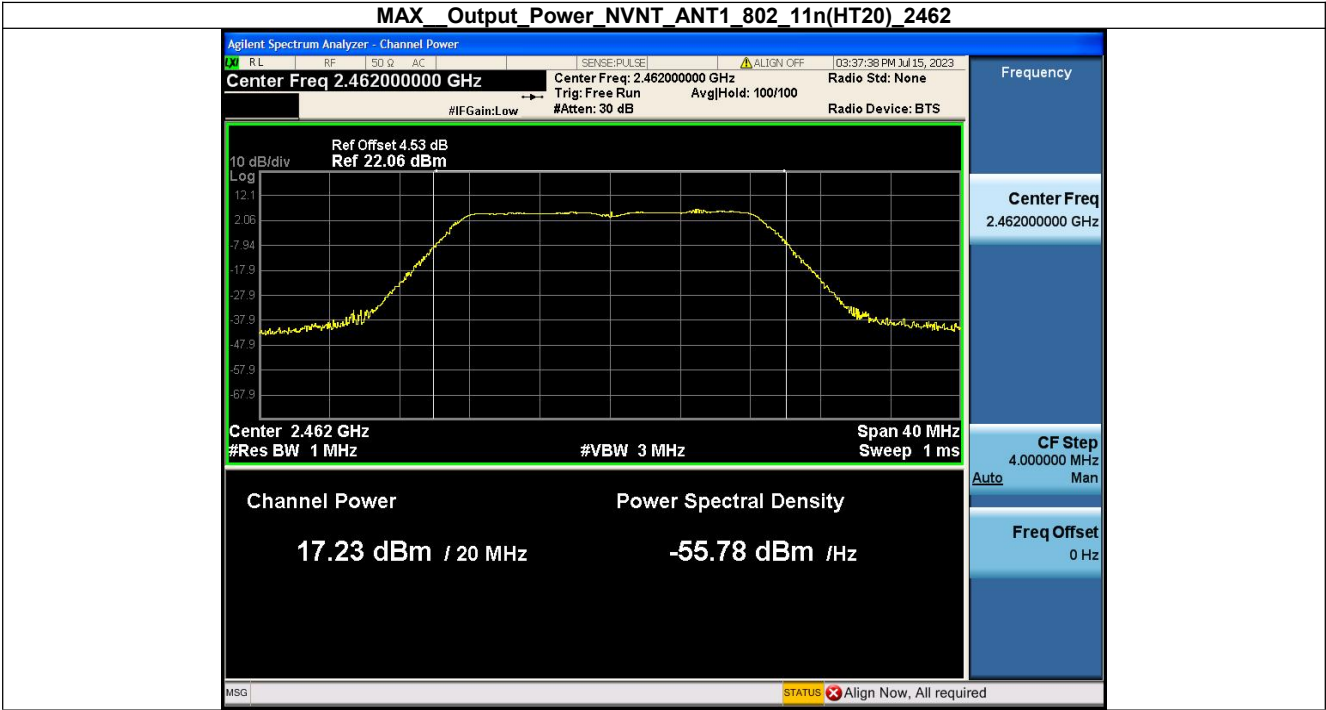
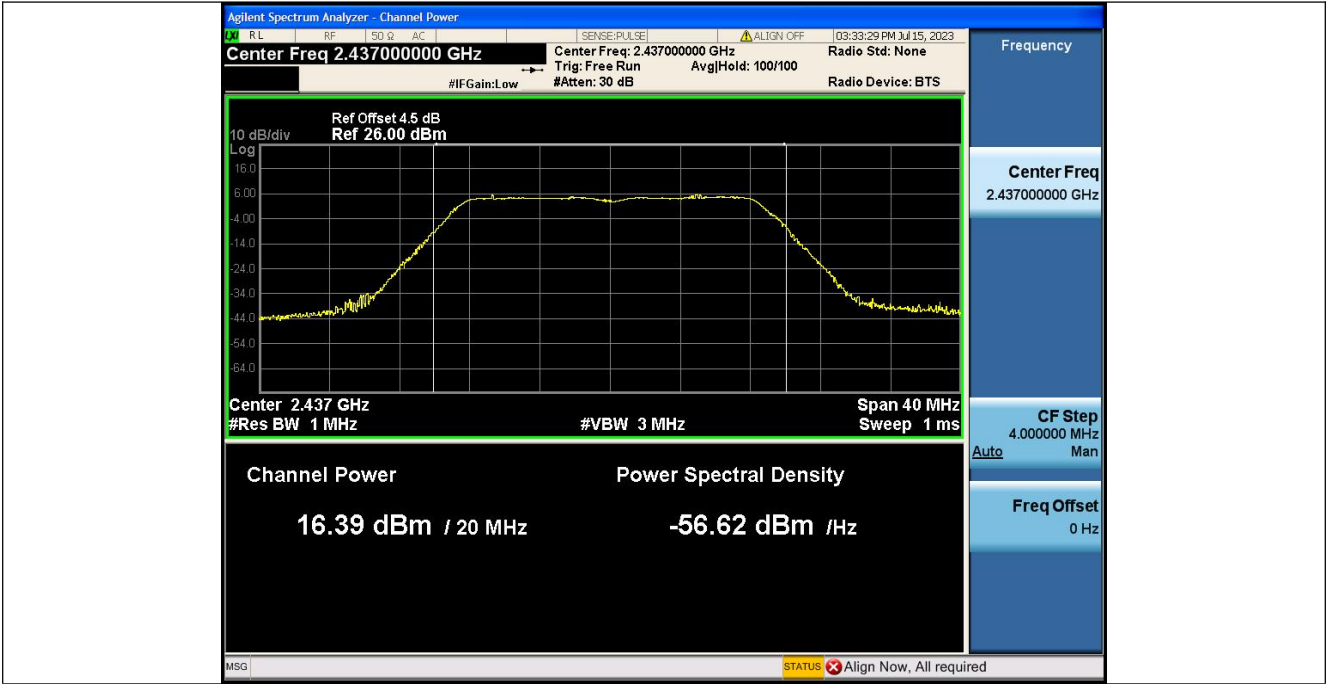


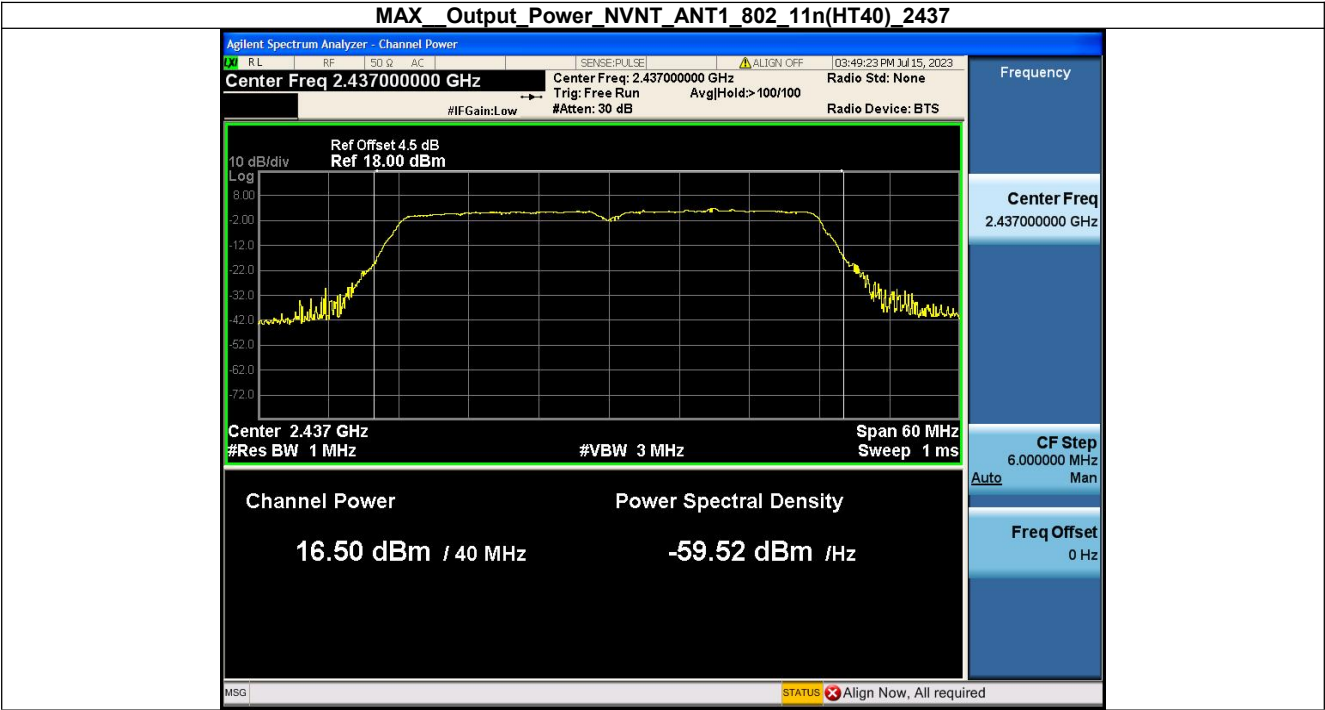
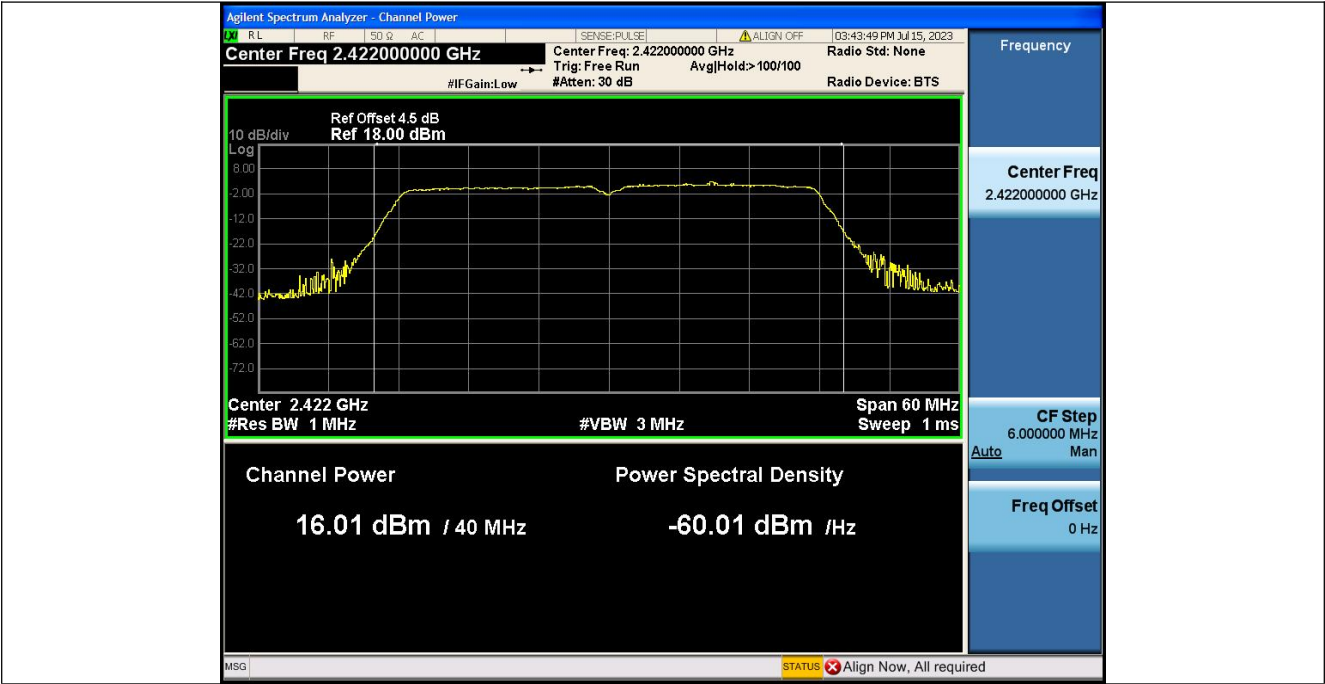
MAX_Output_Power_NVNT_ANT1_802_11b_2437

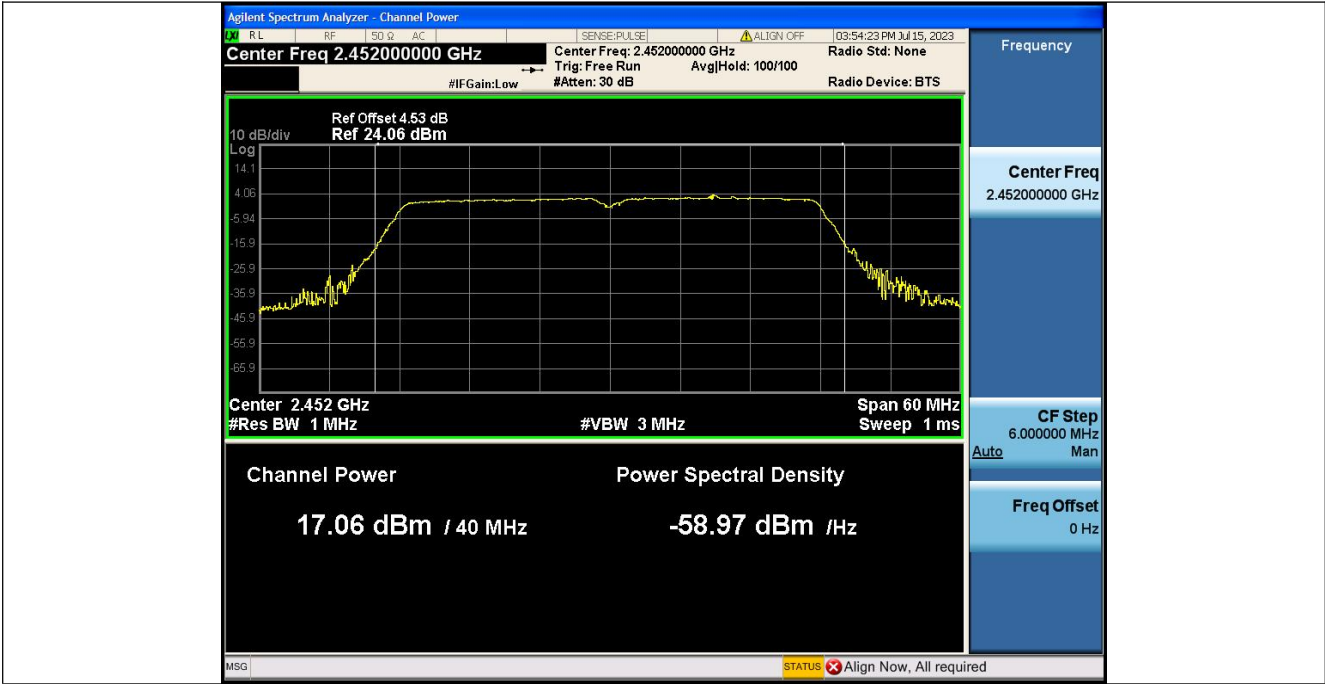












4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-8.61	8	Pass
NVNT	ANT1	802.11b	2437.00	-8.21	8	Pass
NVNT	ANT1	802.11b	2462.00	-7.61	8	Pass
NVNT	ANT1	802.11g	2412.00	-17.57	8	Pass
NVNT	ANT1	802.11g	2437.00	-15.91	8	Pass
NVNT	ANT1	802.11g	2462.00	-14.84	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-17.80	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-16.25	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-15.43	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-19.19	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-18.78	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-18.07	8	Pass

Power_Spectral_Density_NVNT_ANT1_802_11b_2412



Power_Spectral_Density_NVNT_ANT1_802_11b_2437