

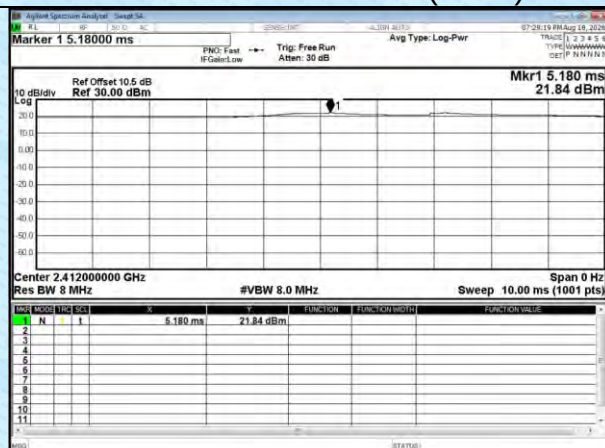
1. Duty Cycle

1.1 Test Result

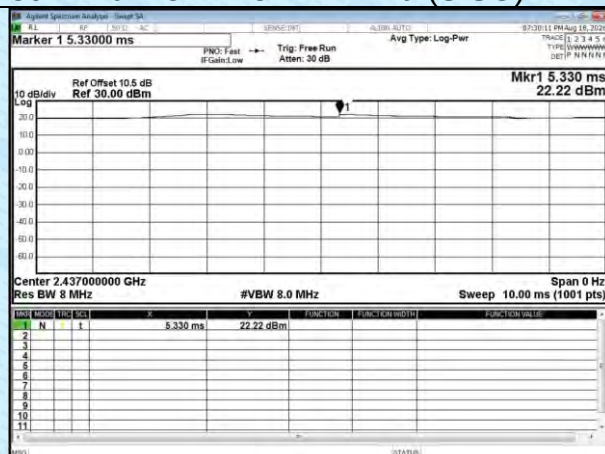
Condition	Mode	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	Max. DC Variation(%)
NVNT	b	2412	5.180	5.180	100	0.02	0.04
NVNT	b	2437	5.330	5.330	100	0.02	0.04
NVNT	b	2462	0.980	0.980	100	0.02	0.04
NVNT	g	2412	1.392	1.398	99.57	0.11	0.03
NVNT	g	2437	1.392	1.398	99.57	0.11	0.03
NVNT	g	2462	1.392	1.398	99.57	0.11	0.03
NVNT	n20	2412	1.302	1.308	99.54	0.12	0.07
NVNT	n20	2437	1.302	1.308	99.54	0.12	0.07
NVNT	n20	2462	1.299	1.305	99.54	0.12	0.07

1.2 Test Graph

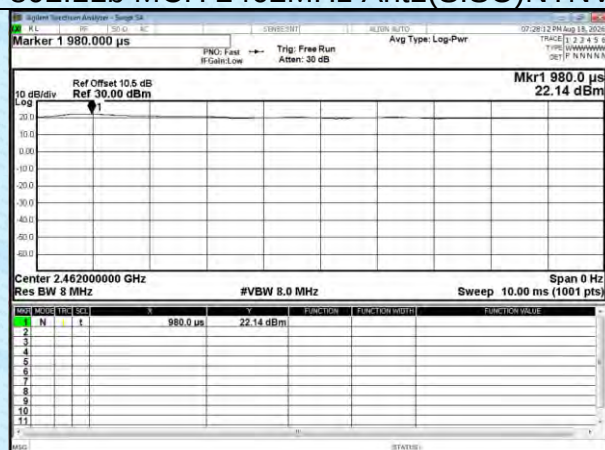
802.11b MCH 2412MHz Ant1(SISO)NTNV



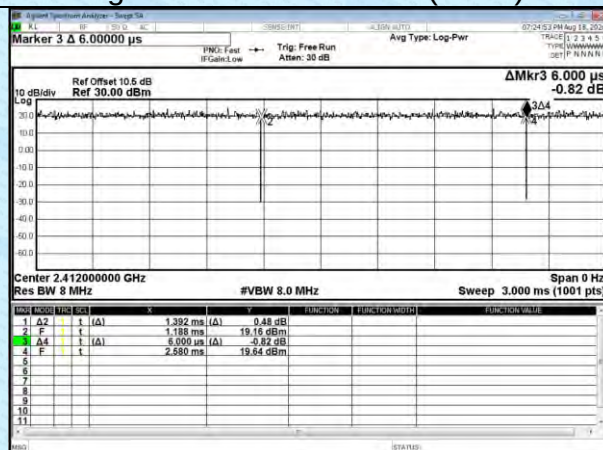
802.11b MCH 2437MHz Ant1(SISO)NTNV



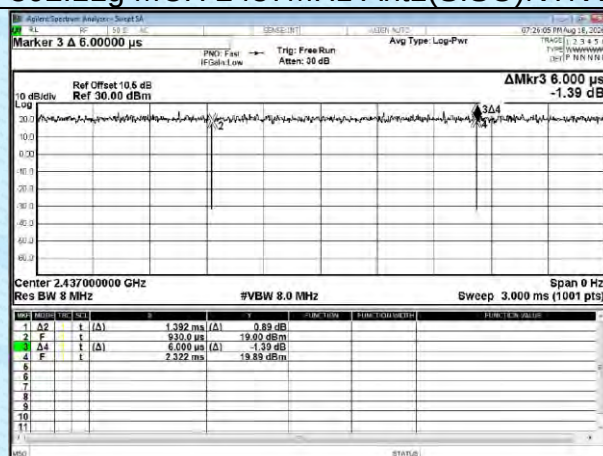
802.11b MCH 2462MHz Ant1(SISO)NTNV



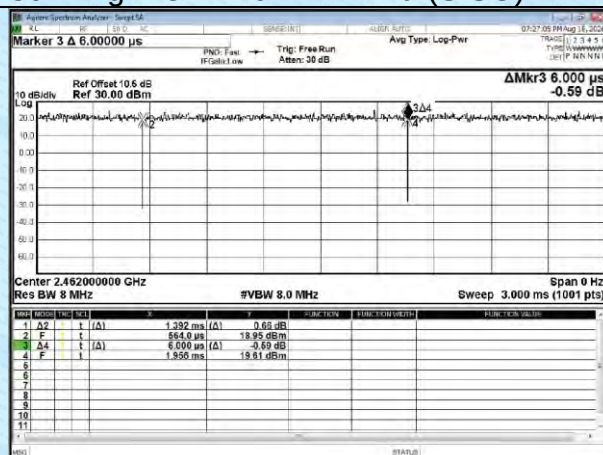
802.11g MCH 2412MHz Ant1(SISO)NTNV



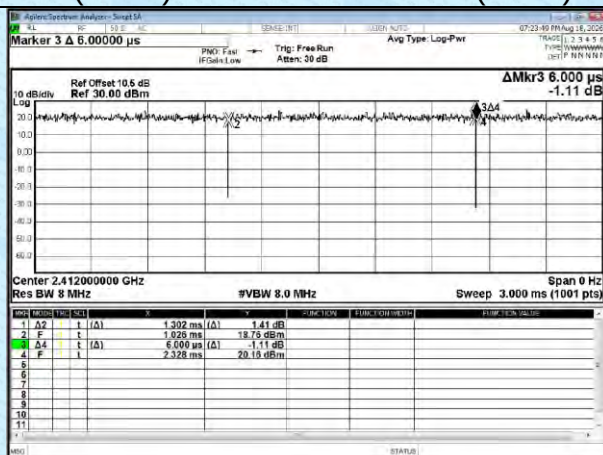
802.11g MCH 2437MHz Ant1(SISO)NTNV



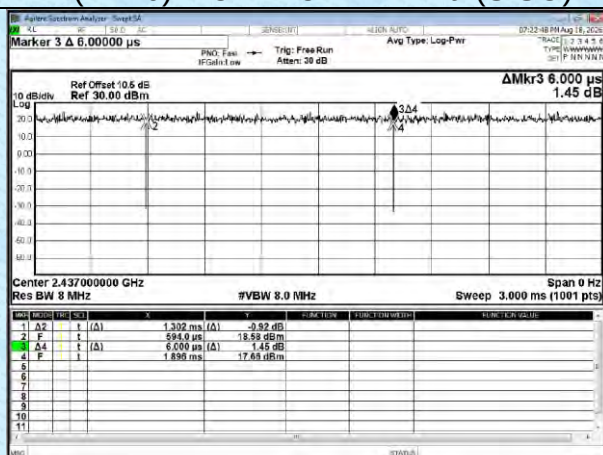
802.11g MCH 2462MHz Ant1(SISO)NTNV



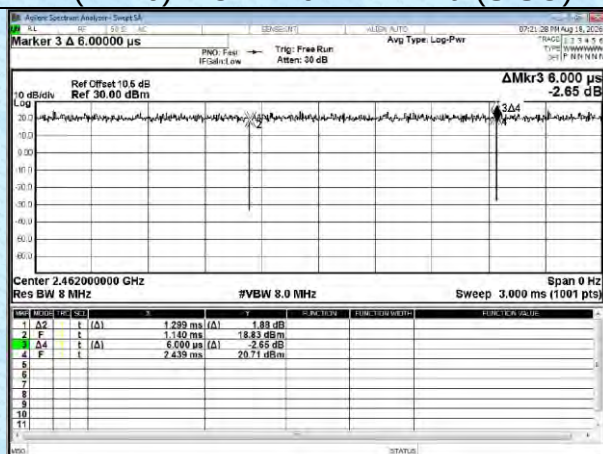
802.11n(HT20) MCH 2412MHz Ant1(SISO)NTNV



802.11n(HT20) MCH 2437MHz Ant1(SISO)NTNV



802.11n(HT20) MCH 2462MHz Ant1(SISO)NTNV



2. Conducted Peak Output Power

2.1 Test Result

Test CH	Peak Output Power (dBm)			Limit(dBm)	Result
	802.11b	802.11g	802.11n(HT20)		
Lowest	19.36	23.89	23.71	30.00	Pass
Middle	19.48	23.92	23.89		
Highest	19.72	23.65	23.86		

3.Channel Bandwidth & 99% Occupy Bandwidth

3.1 Test Result

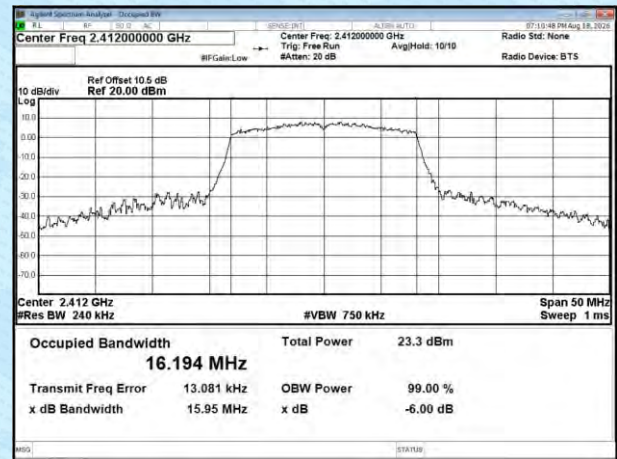
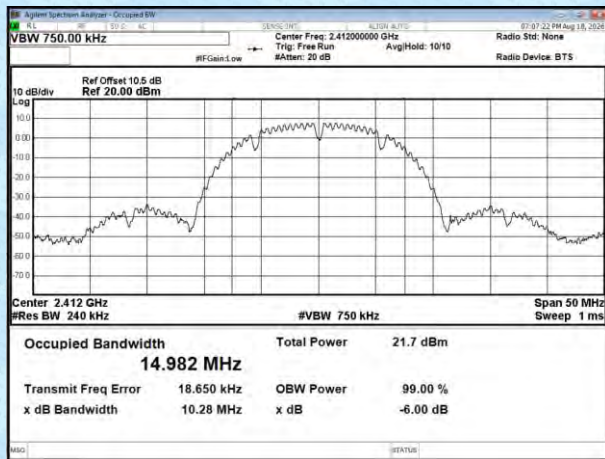
Test CH	6dB Channel Bandwidth (MHz)			Limit(KHz)	Result
	802.11b	802.11g	802.11n(HT20)		
Lowest	10.28	15.95	16.88	>500	Pass
Middle	10.28	15.51	17.07		
Highest	10.29	15.77	16.87		

Test CH	99% Occupy Bandwidth (MHz)			Result
	802.11b	802.11g	802.11n(HT20)	
Lowest	14.982	16.194	17.341	Pass
Middle	14.984	16.184	17.338	
Highest	14.989	16.195	17.337	

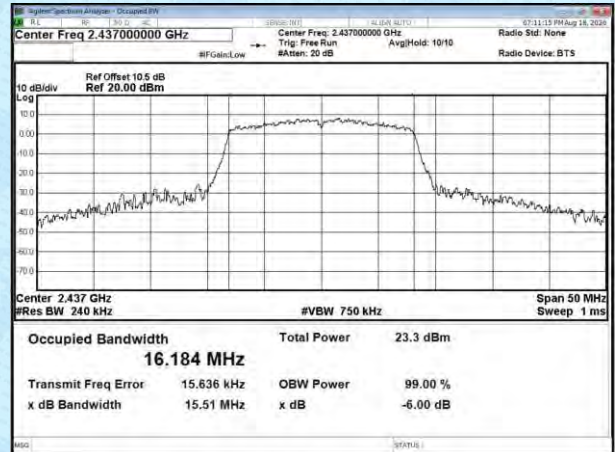
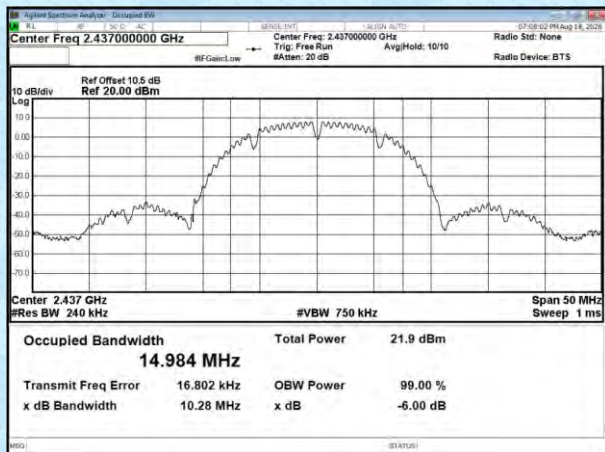
3.2 Test Graph

802.11b

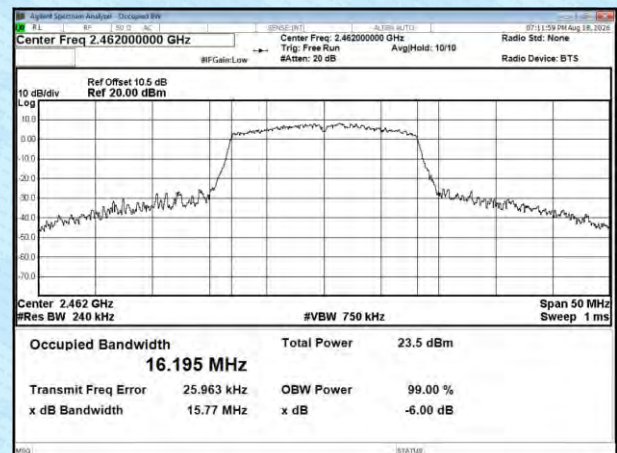
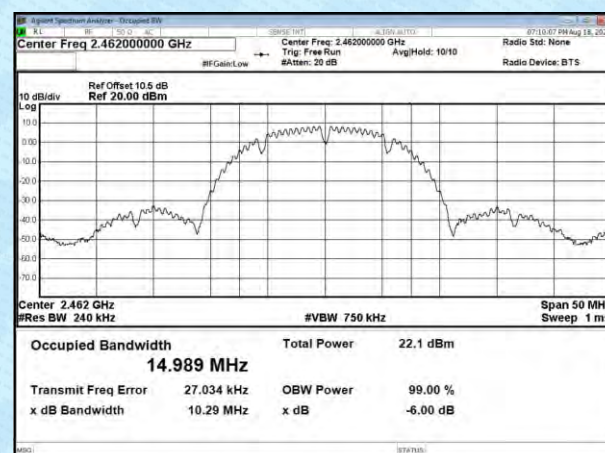
802.11g



Lowest channel

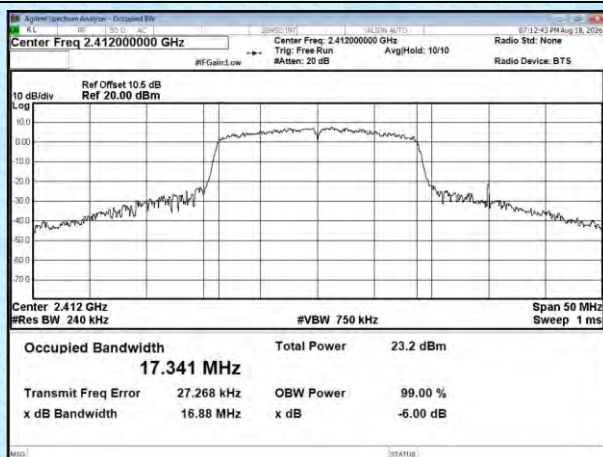


Middle channel

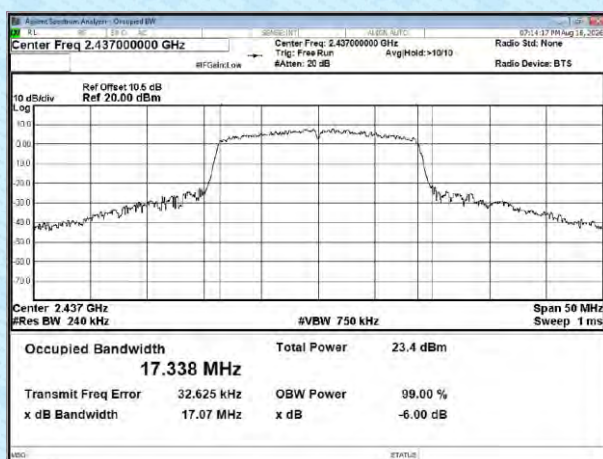


Highest channel

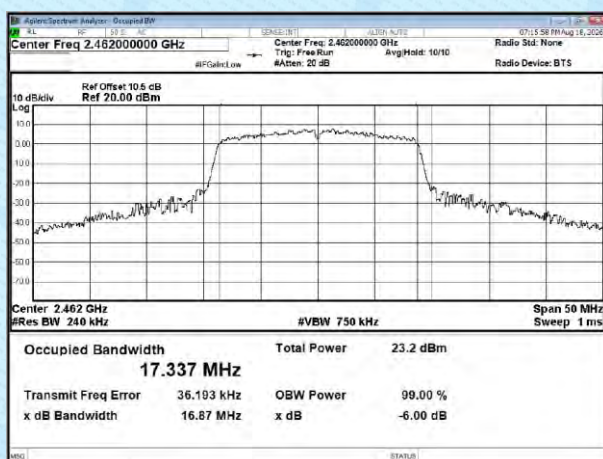
802.11n(HT20)



Lowest channel



Middle channel



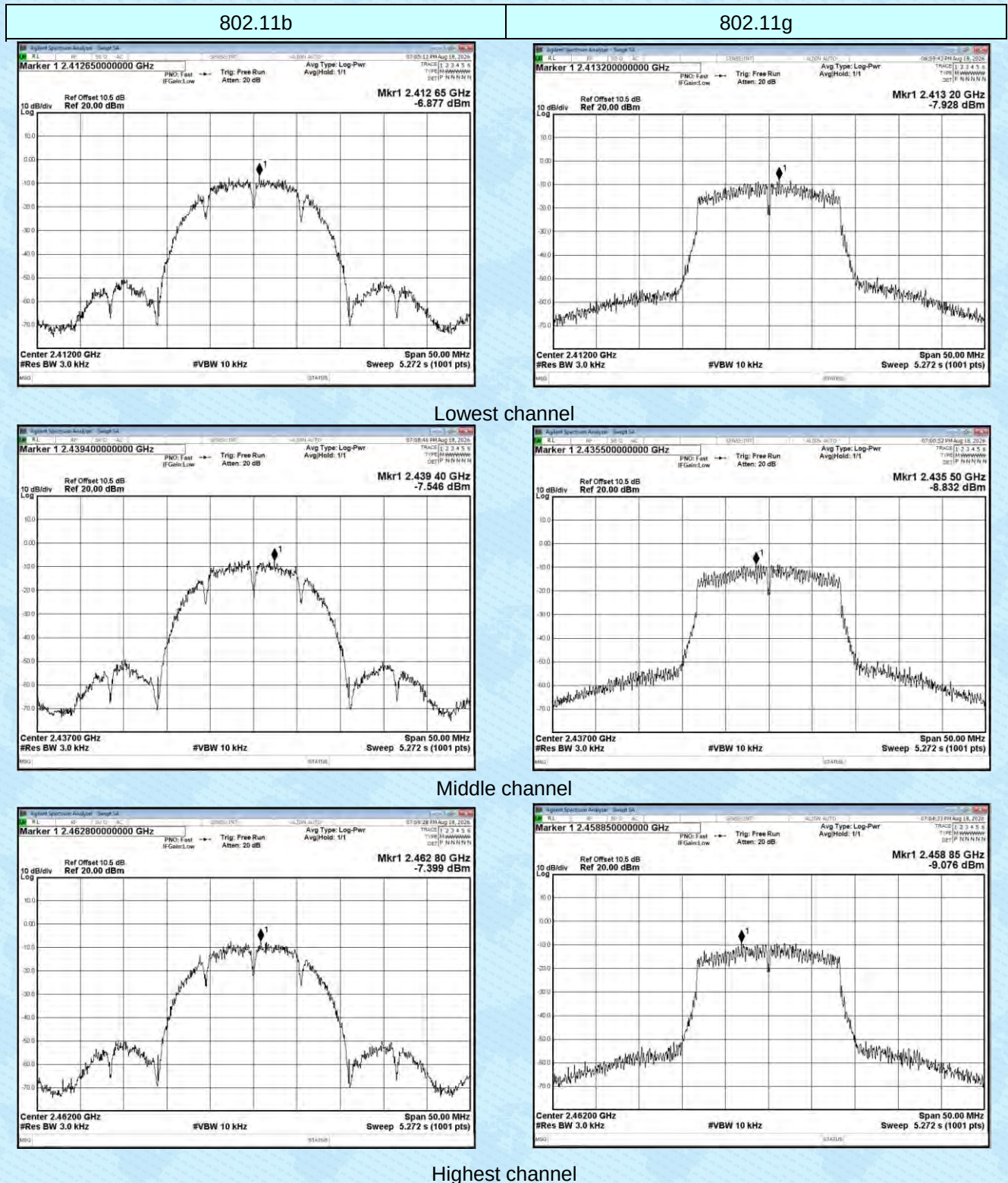
Highest channel

4. Power Spectral Density

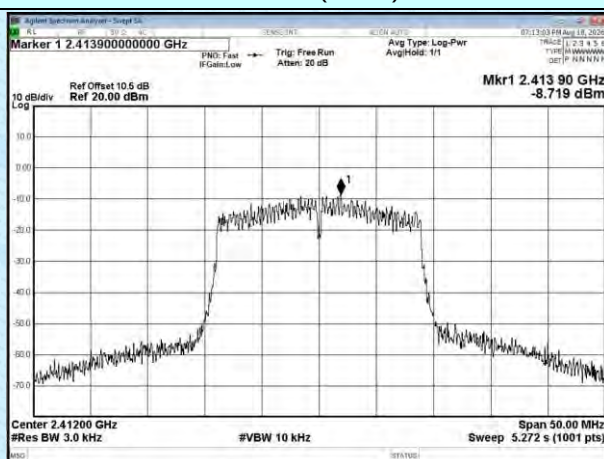
4.1 Test Result

Test CH	Power Spectral Density (dBm/30kHz)			Limit (dBm/3KHz)	Result
	802.11b	802.11g	802.11n(HT20)		
Lowest	-6.877	-7.928	-8.719	8.00	Pass
Middle	-7.546	-8.832	-8.269		
Highest	-7.399	-9.076	-8.146		

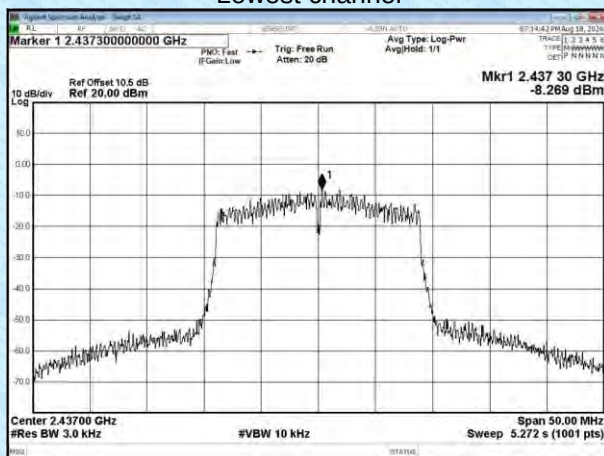
4.2 Test Graph



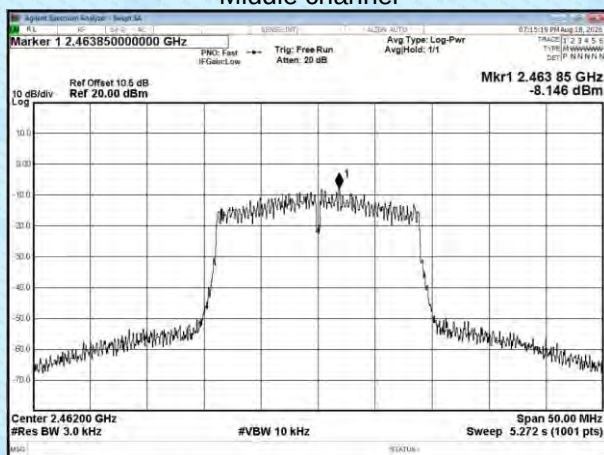
802.11n(HT20)



Lowest channel



Middle channel



Highest channel

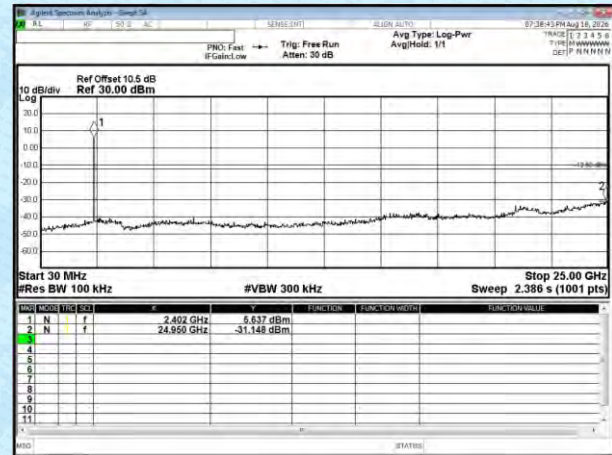
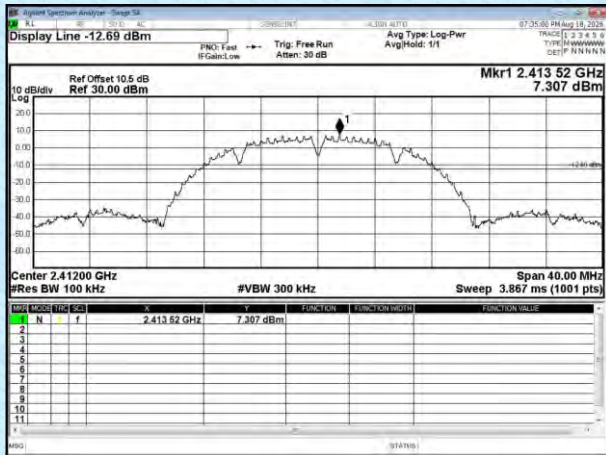
5. Spurious Emission in Non-restricted & restricted Bands

5.1 Unwanted Emissions in non-restricted Frequency Bands

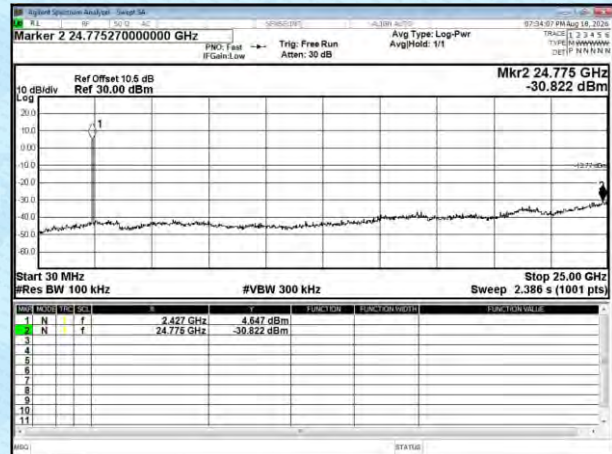
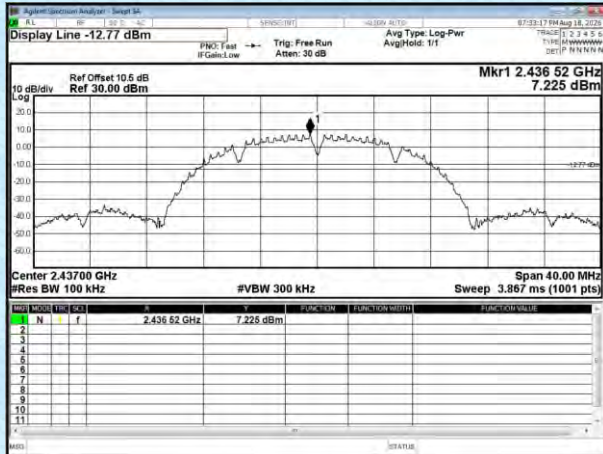
5.1.1 Test Graph

802.11b

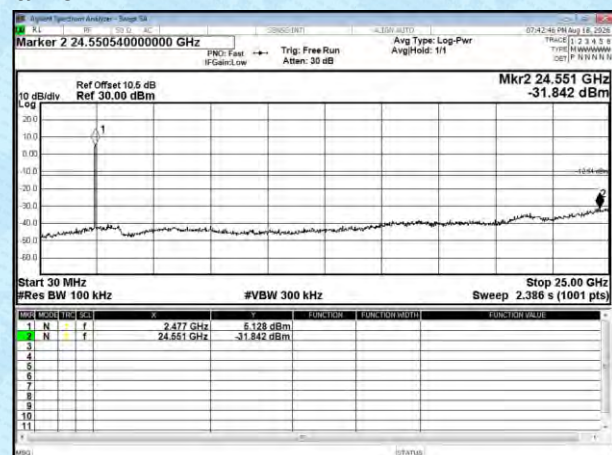
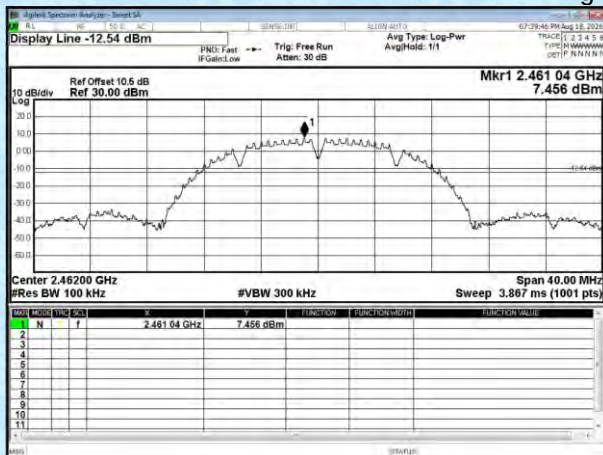
Lowest channel



30MHz~25GHz
Middle channel



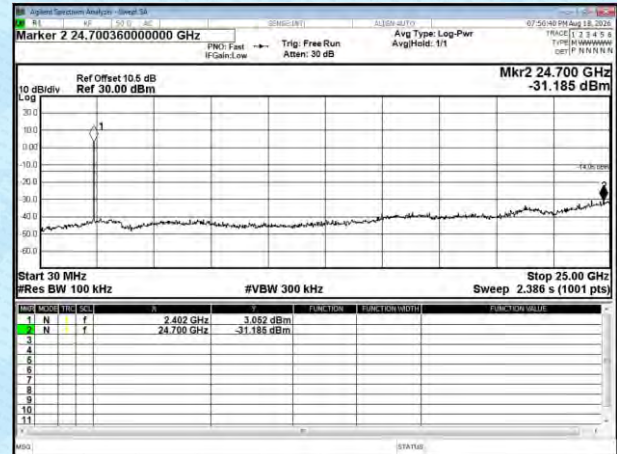
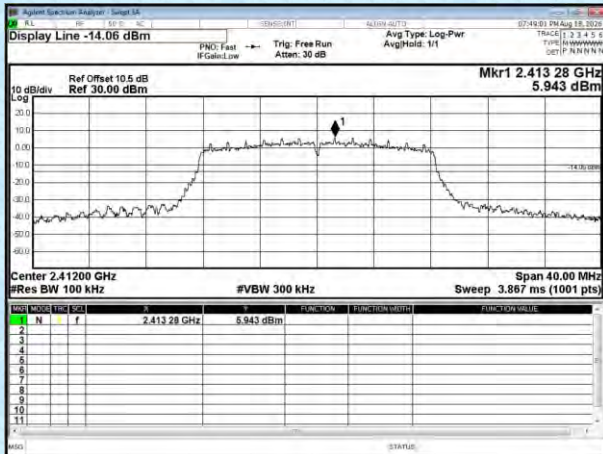
30MHz~25GHz
Highest channel



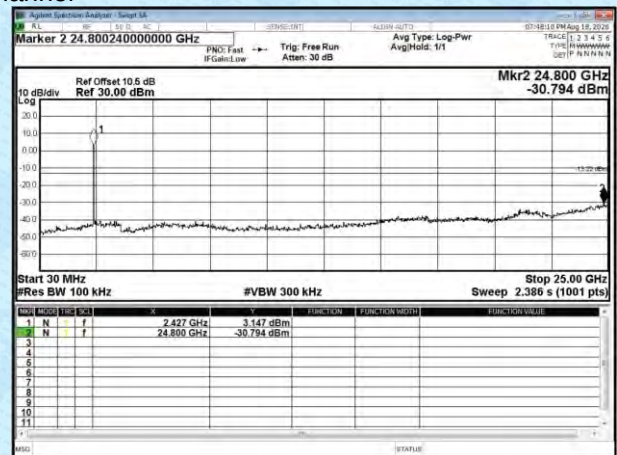
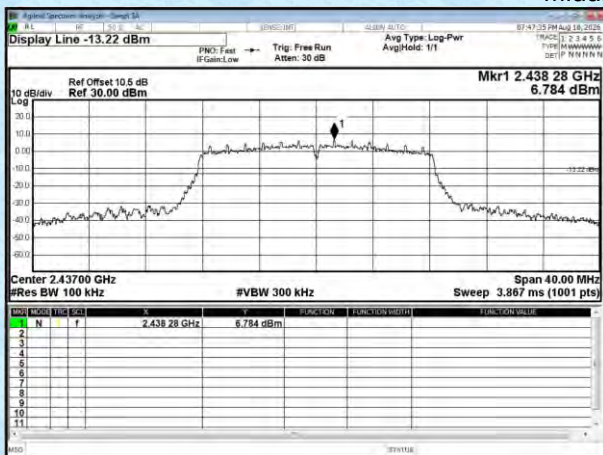
30MHz~25GHz

802.11g

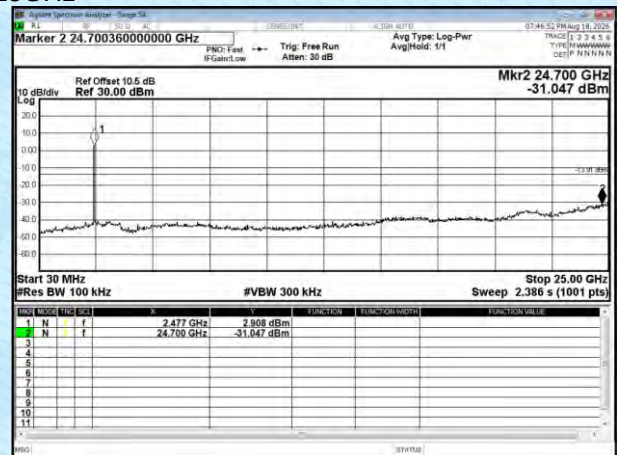
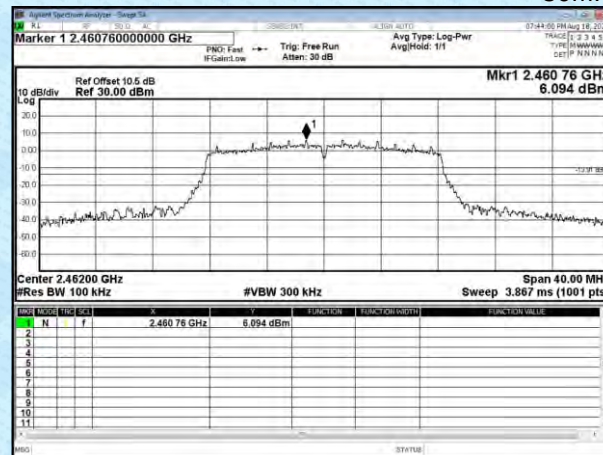
Lowest channel



30MHz~25GHz
Middle channel



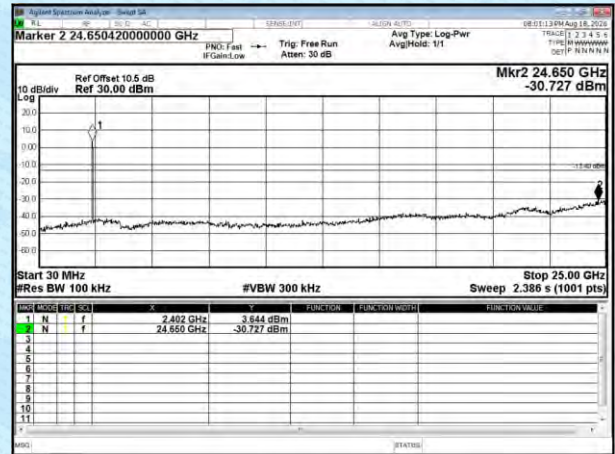
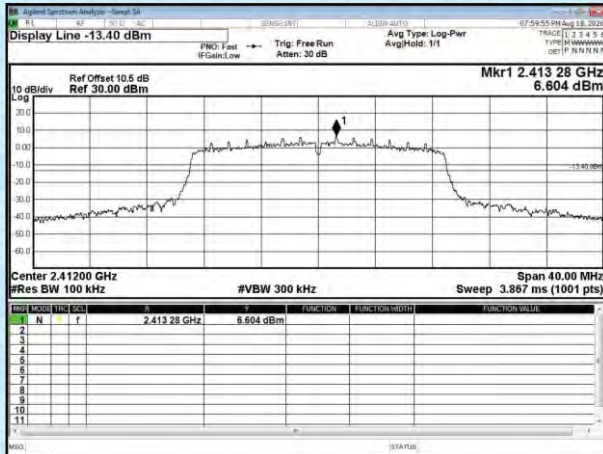
30MHz~25GHz



30MHz~25GHz

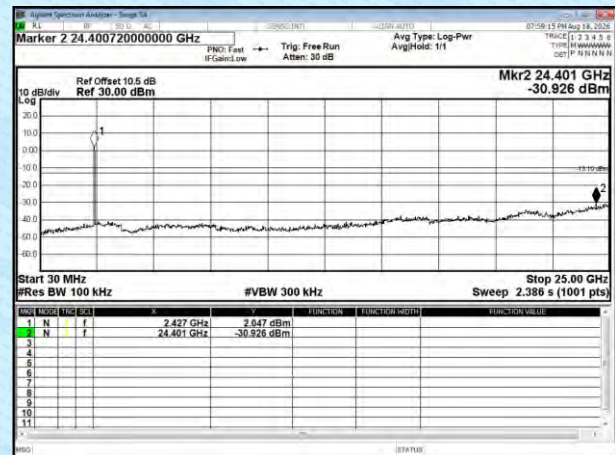
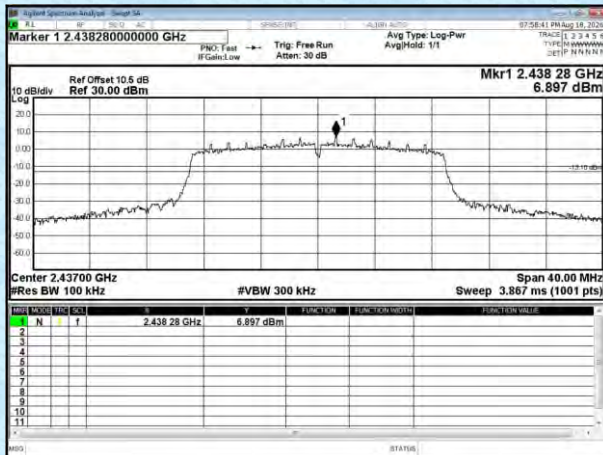
802.11n(HT20)

Lowest channel



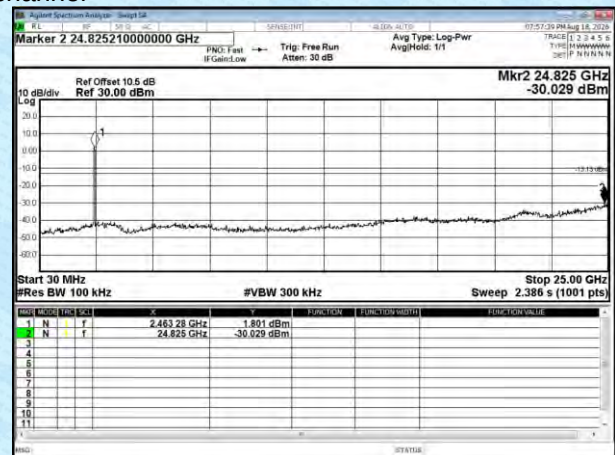
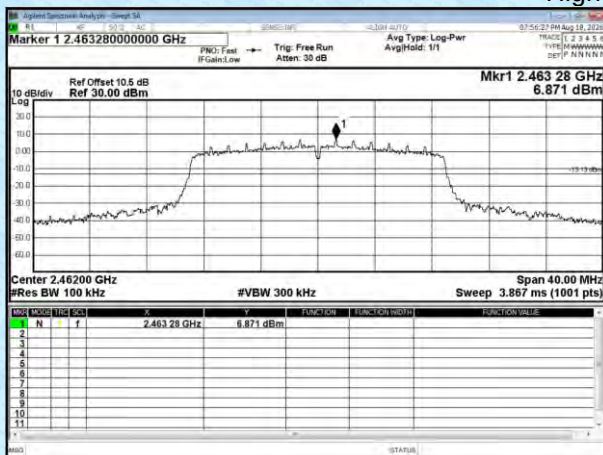
30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel

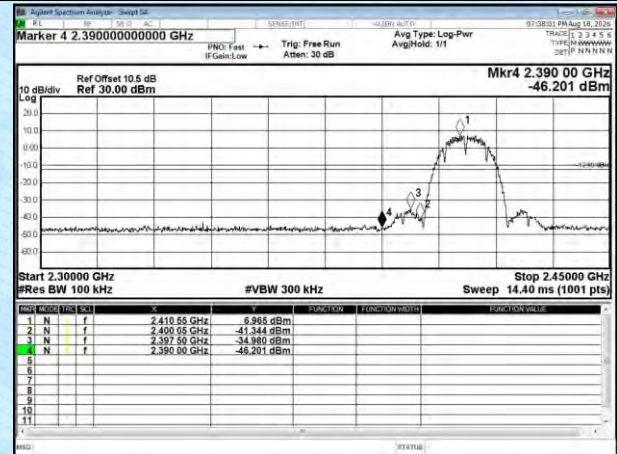
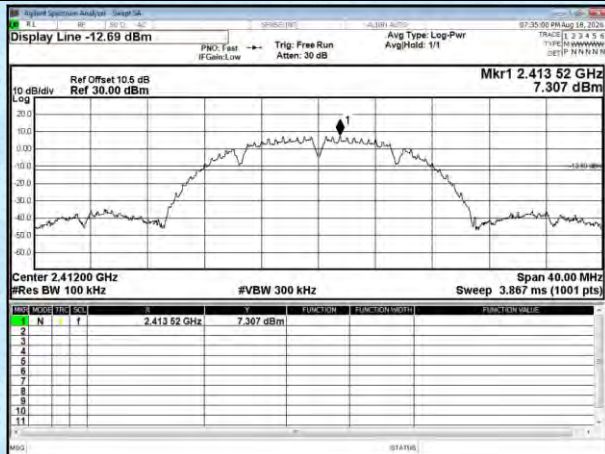


30MHz~25GHz

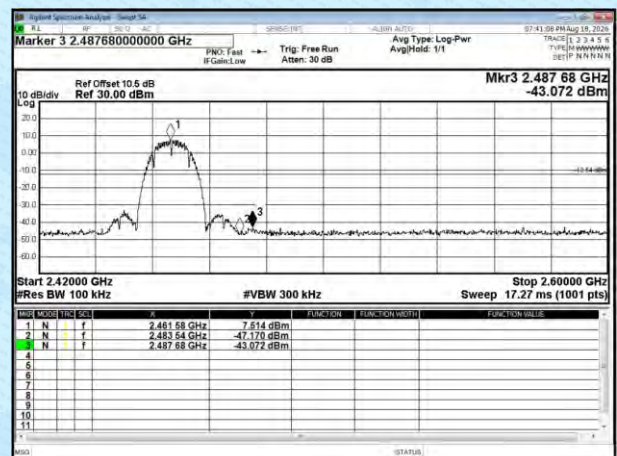
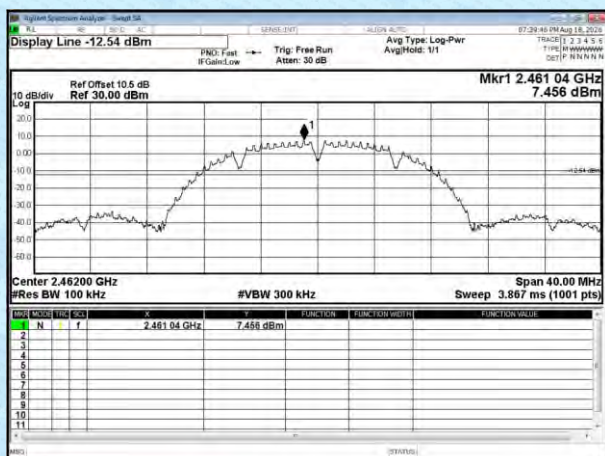
5.2 Unwanted Emissions in restricted Frequency Bands & Band Edge

5.2.1 Test Graph

802.11b

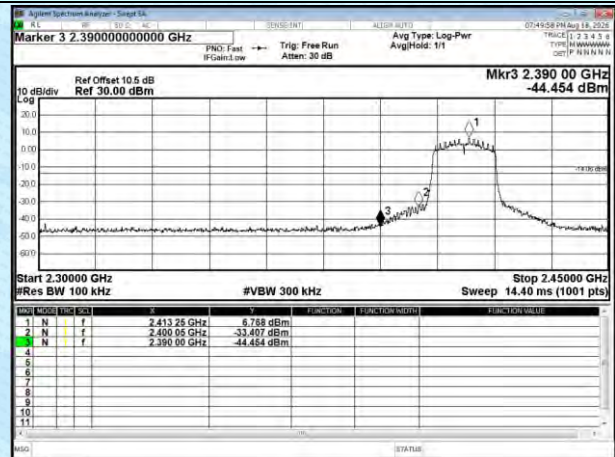
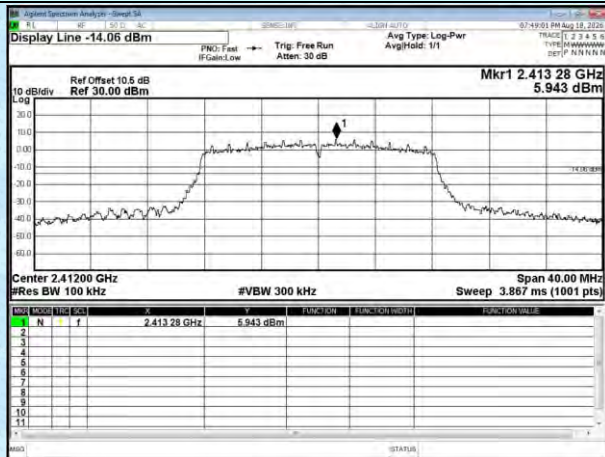


Lowest channel

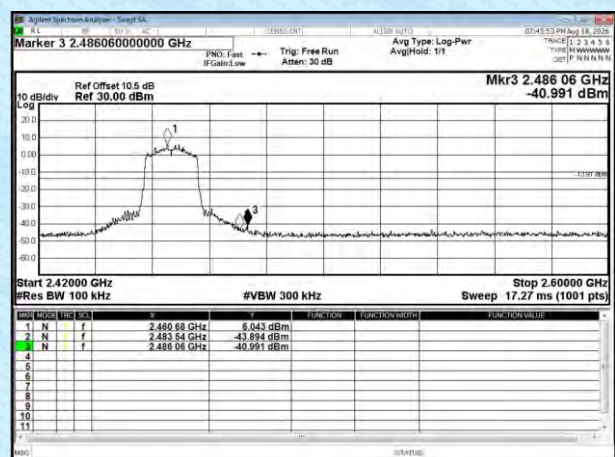
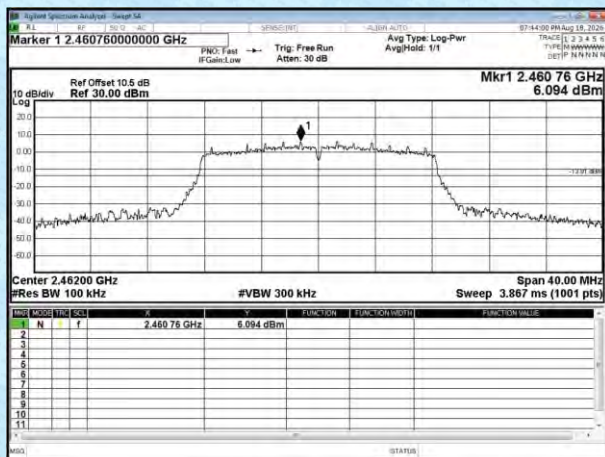


Highest channel

802.11g

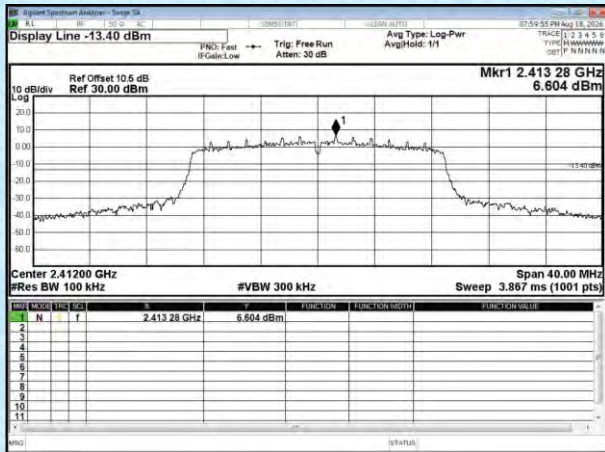


Lowest channel

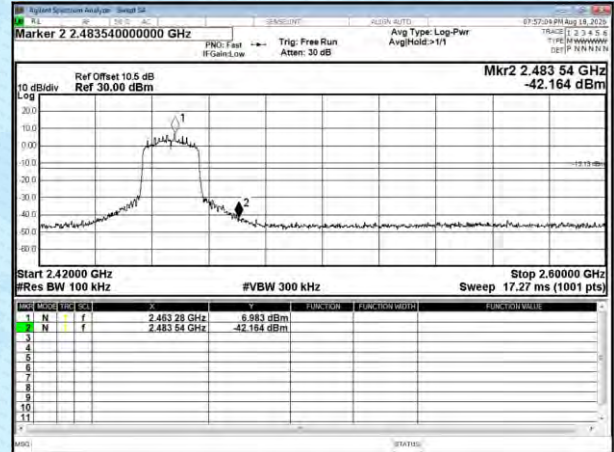
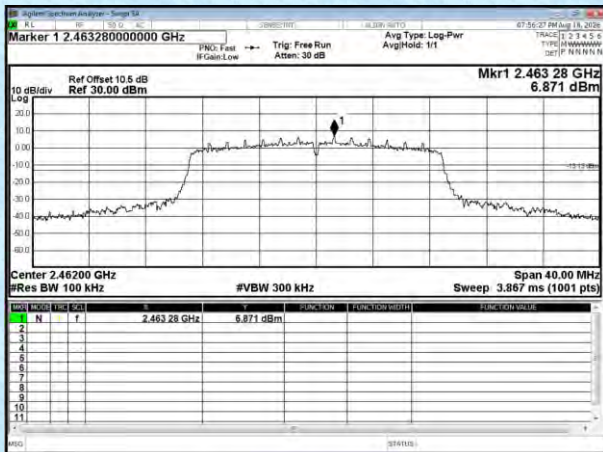


Highest channel

802.11n(HT20)



Lowest channel



Highest channel

Note:

The limit for spurious emission testing is based on the peak value of the sidebands in section 5.2, which is down to 20db.

-----End-----