

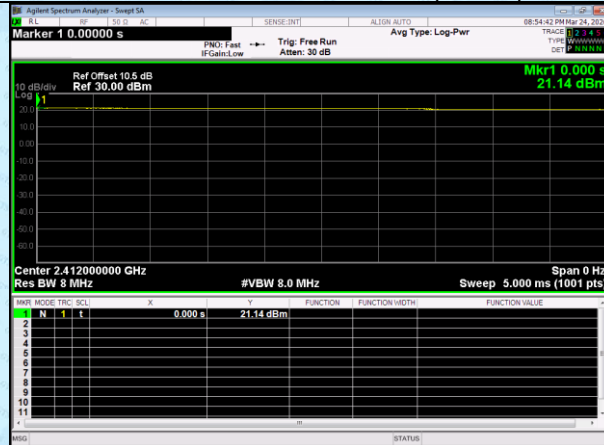
1. Duty Cycle

1.1 Test Result

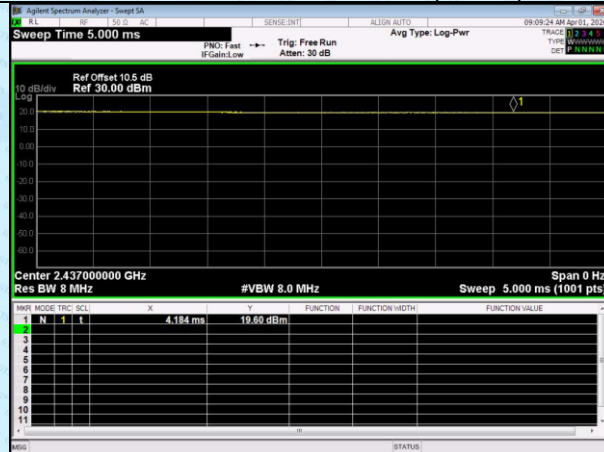
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle(%)	Duty cycleCorrection Factor (dB)	Max. DC Variation(%)
802.11b	SISO	2412	5	5	100	0.02	0.04
		2437	5	5	100	0.02	0.04
		2462	5	5	100	0.02	0.04
802.11g	SISO	2412	1.359	1.374	98.90	0.11	0.03
		2437	1.359	1.377	98.69	0.11	0.03
		2462	1.362	1.377	98.91	0.11	0.03
802.11n (HT20)	SISO	2412	1.272	1.287	98.83	0.12	0.07
		2437	1.272	1.287	98.83	0.12	0.07
		2462	1.272	1.290	98.60	0.12	0.07

1.2 Test Graph

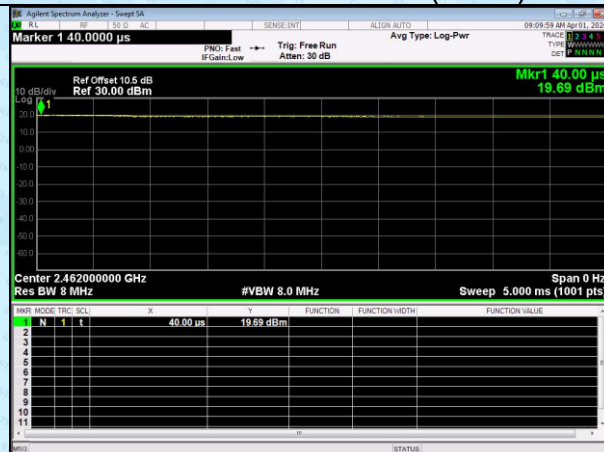
802.11b MCH 2412MHz Ant1(SISO)NTNV



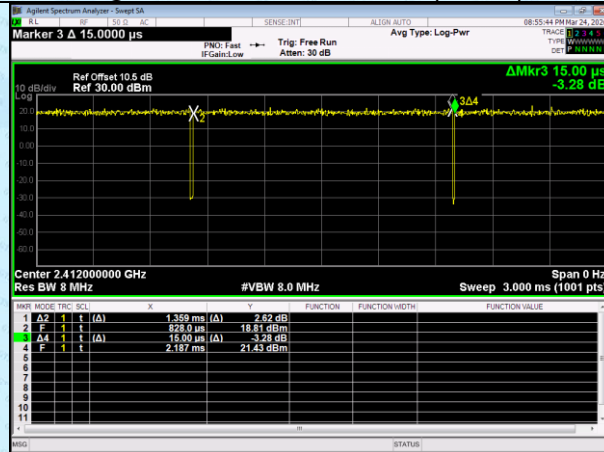
802.11b MCH 2437MHz Ant1(SISO)NTNV



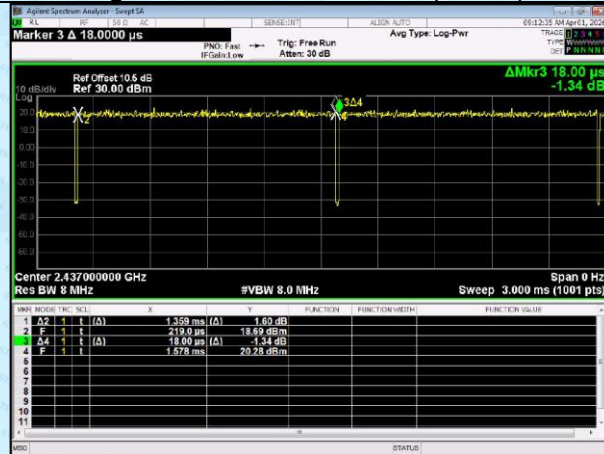
802.11b MCH 2462MHz Ant1(SISO)NTNV



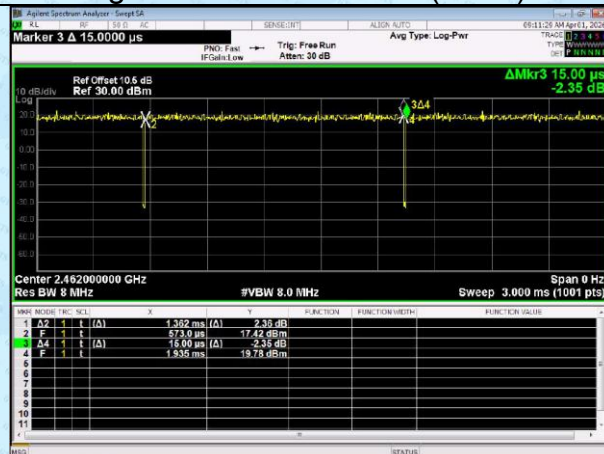
802.11g MCH 2412MHz Ant1(SISO)NTNV



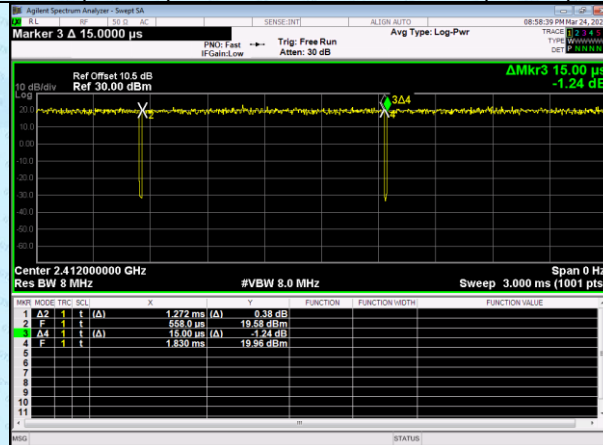
802.11g MCH 2437MHz Ant1(SISO)NTNV



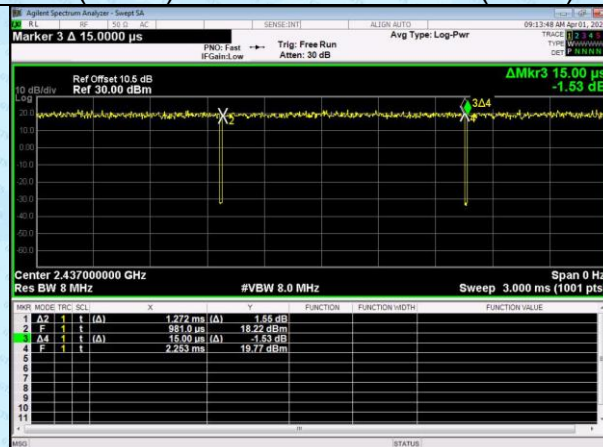
802.11g MCH 2462MHz Ant1(SISO)NTNV



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	20.15	23.71	23.90	30.00	Pass
Middle	19.34	23.59	23.40		
Highest	18.52	22.98	22.94		

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	14.187	16.611	17.733	>500	Pass
Middle	14.196	16.689	17.831		
Highest	14.201	16.862	17.888		

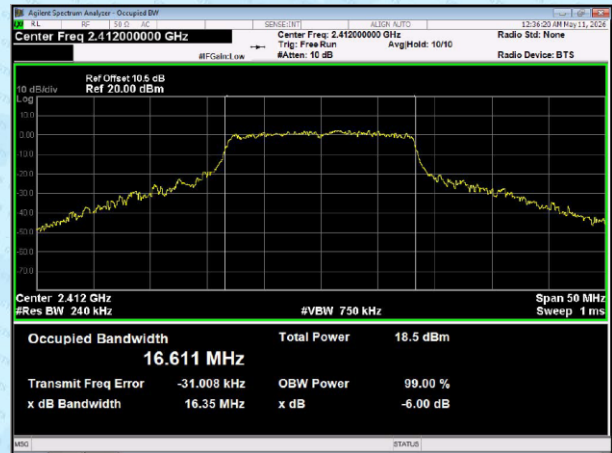
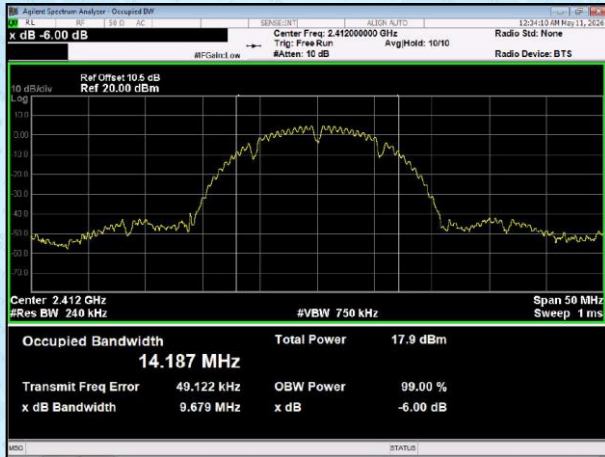
Test CH	99% Occupy Bandwidth (MHz)			Result
	802.11b	802.11g	802.11n(HT20)	
Lowest	18.23	32.95	30.27	Pass
Middle	18.21	28.90	30.09	
Highest	18.20	28.69	29.17	

3.2 Test Graph

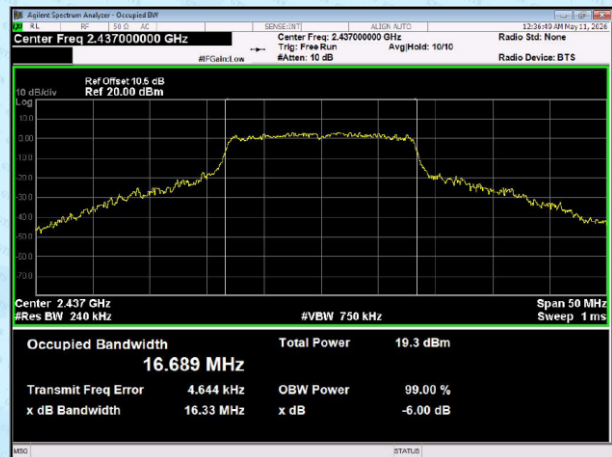
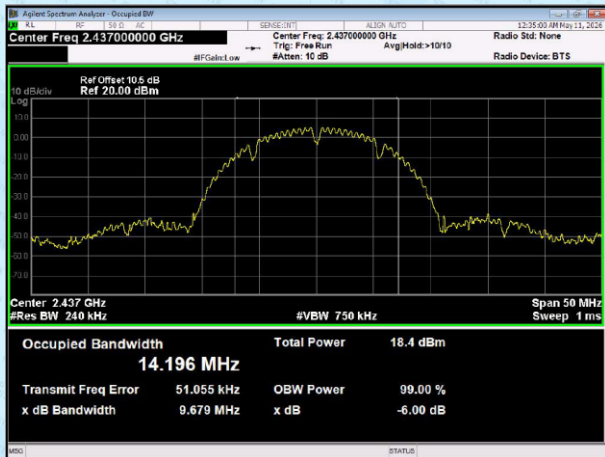
6dB Channel Bandwidth

802.11b

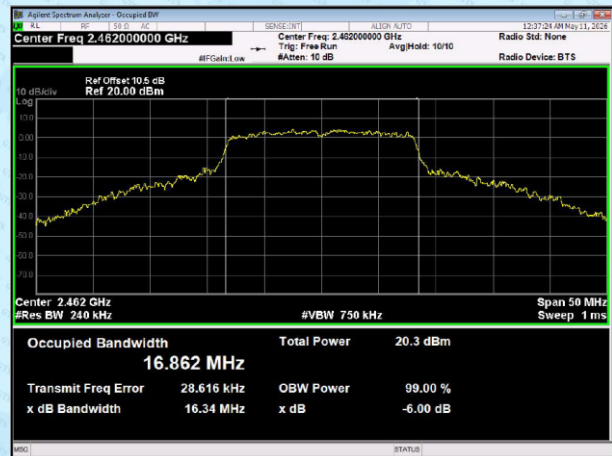
802.11g



Lowest channel

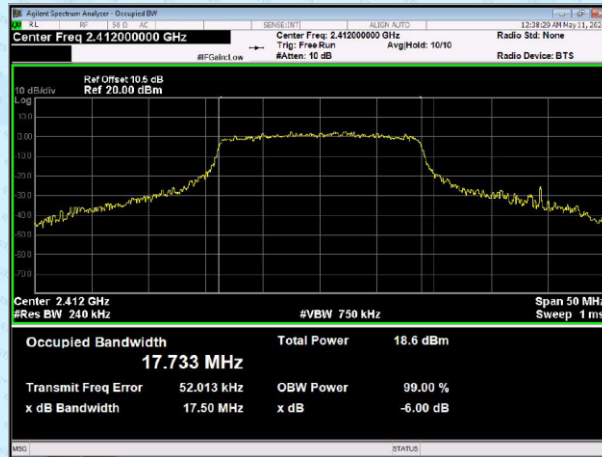


Middle channel

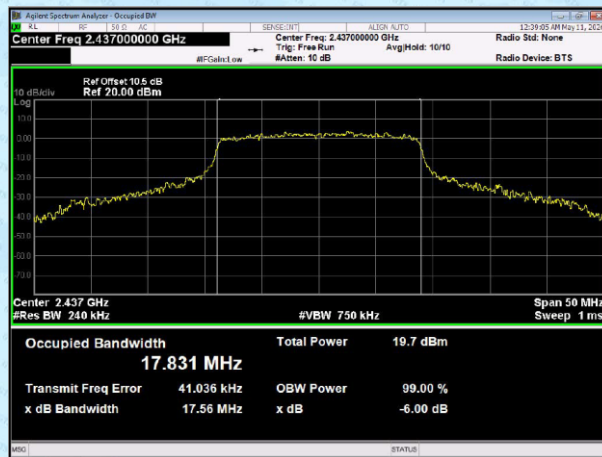


Highest channel

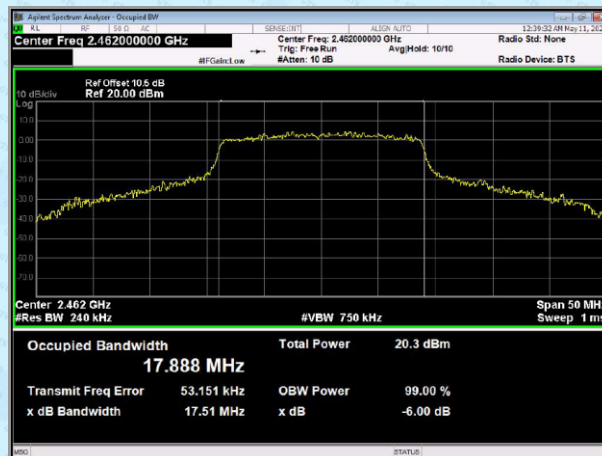
802.11n(HT20)



Lowest channel



Middle channel

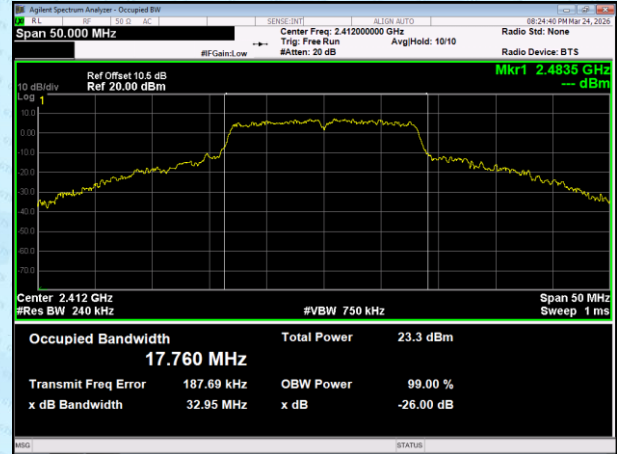
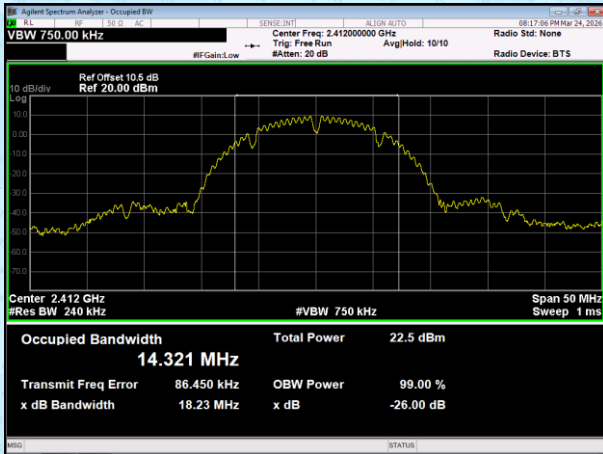


Highest channel

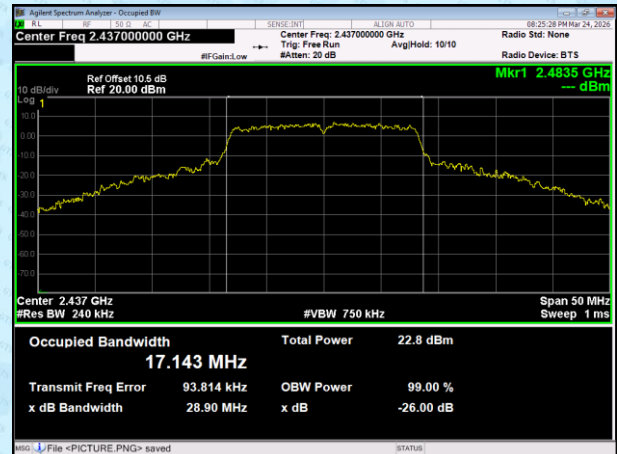
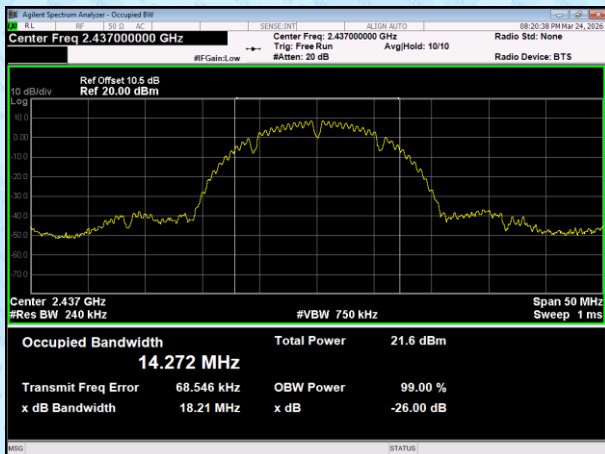
99% Occupy Bandwidth

802.11b

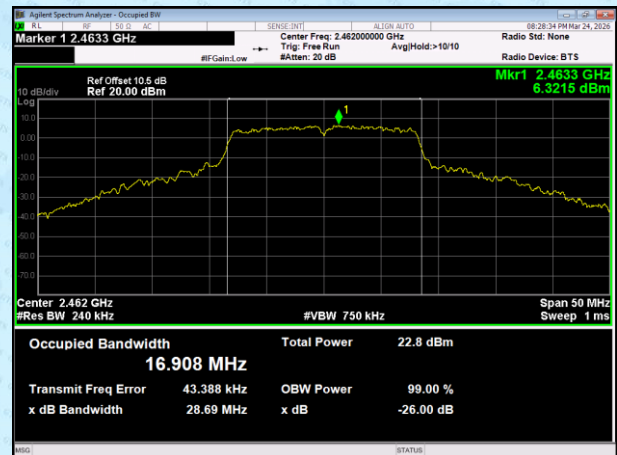
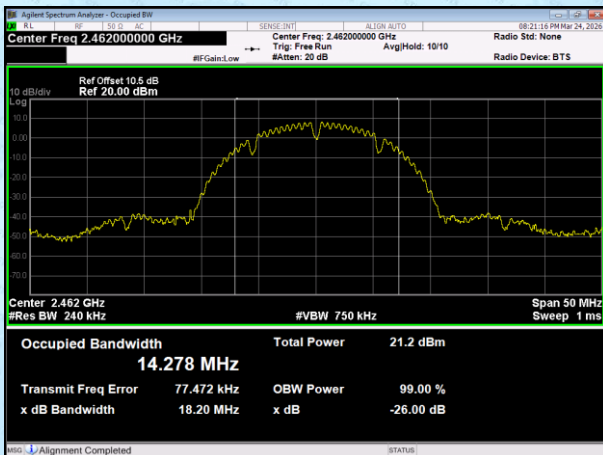
802.11g



Lowest channel

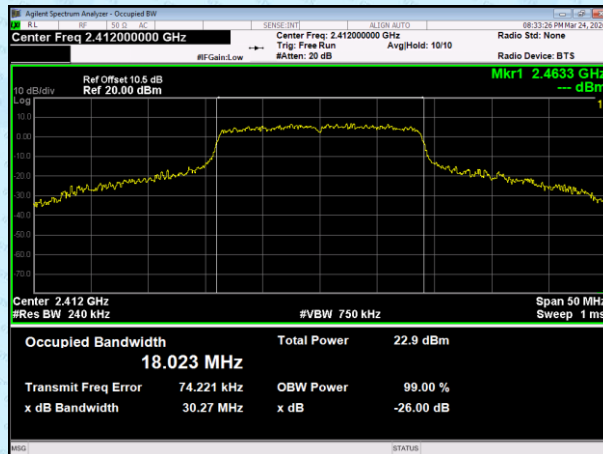


Middle channel

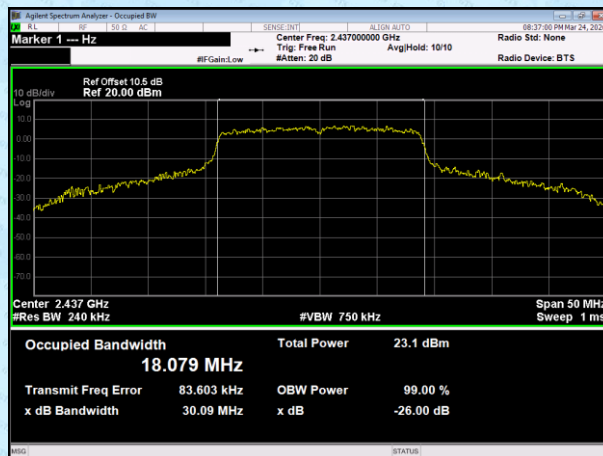


Highest channel

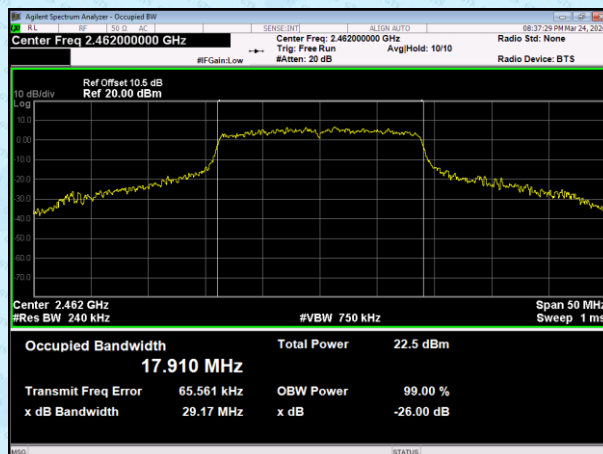
802.11n(HT20)



Lowest channel



Middle channel



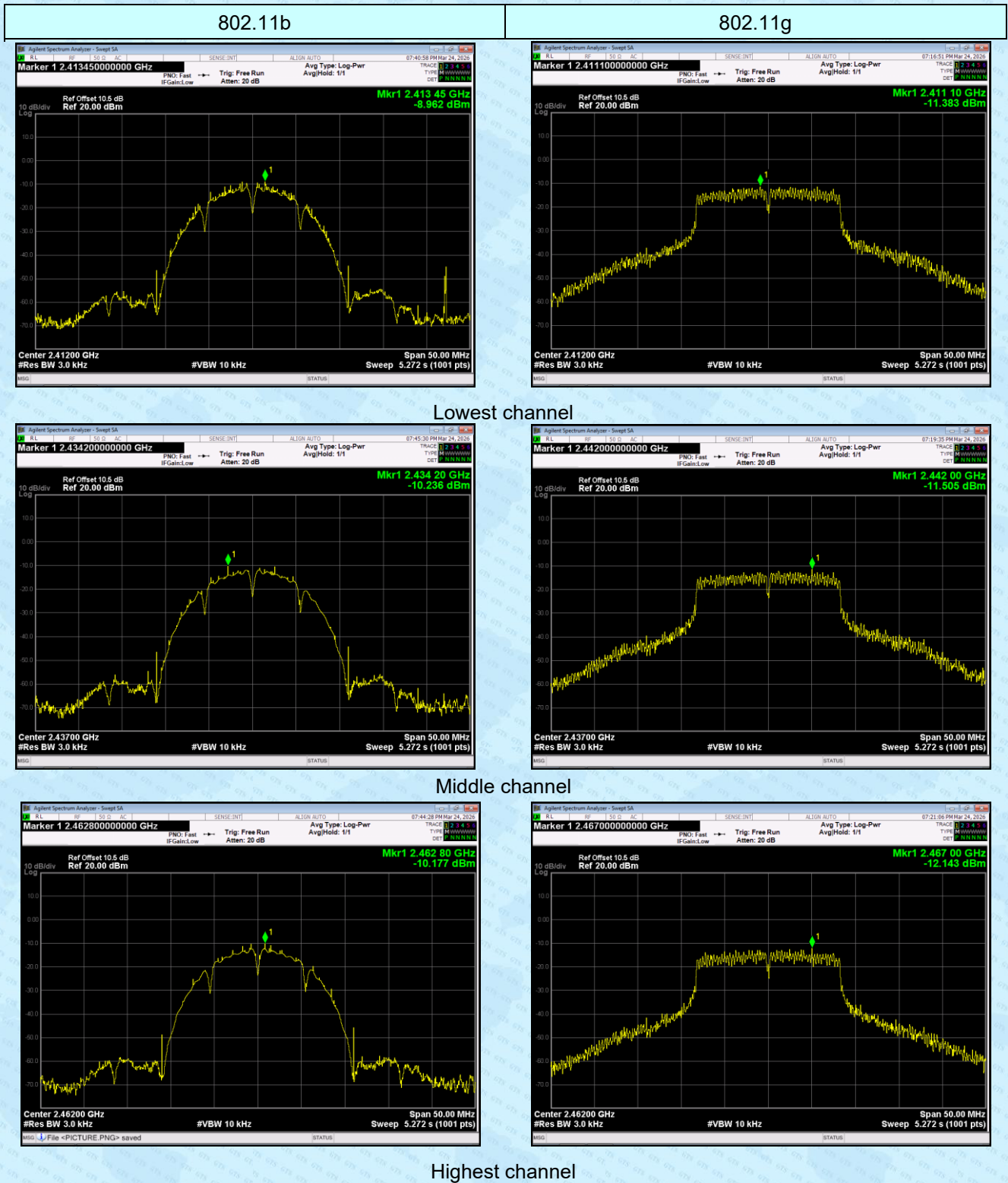
Highest channel

4. Power Spectral Density

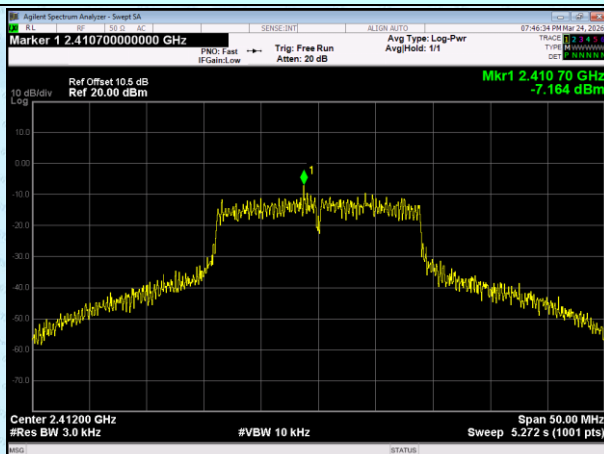
4.1 Test Result

Test CH	Power Spectral Density (dBm/3kHz)			Limit (dBm/3KHz)	Result
	802.11b	802.11g	802.11n(HT20)		
Lowest	-8.962	-11.383	-7.164	8.00	Pass
Middle	-10.236	-11.505	-8.332		
Highest	-10.177	-12.143	-9.908		

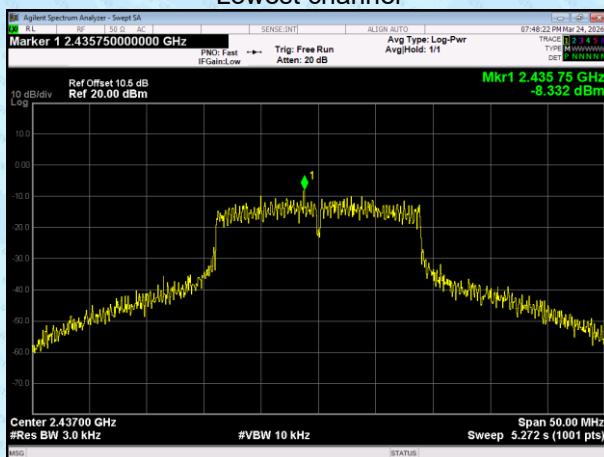
4.2 Test Graph



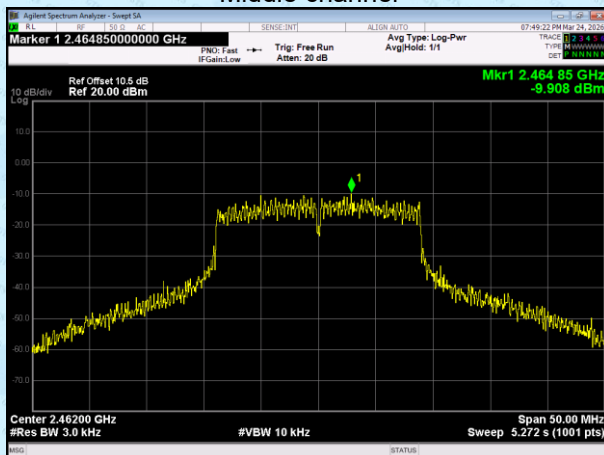
802.11n(HT20)



Lowest channel



Middle channel



Highest channel

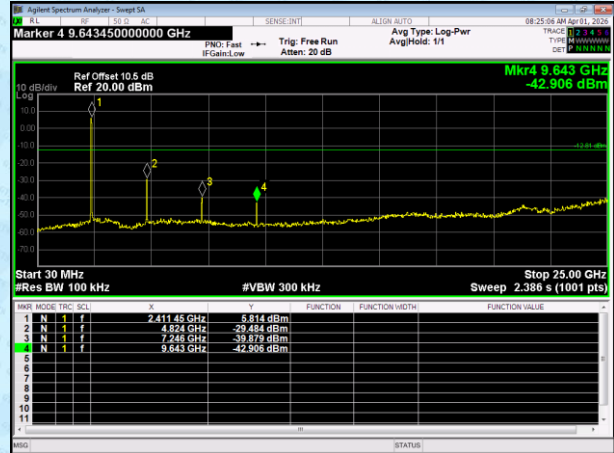
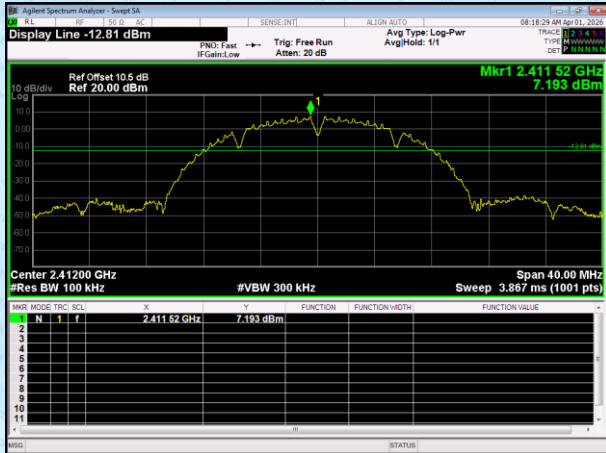
5. Spurious Emission in Non-restricted & restricted Bands

5.1 Unwanted Emissions in non-restricted Frequency Bands

5.1.1 Test Graph

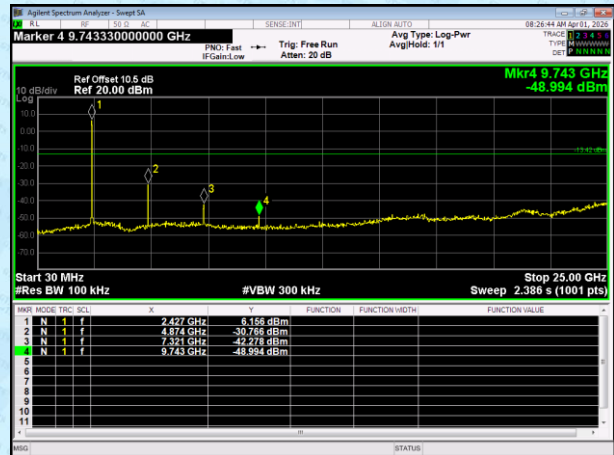
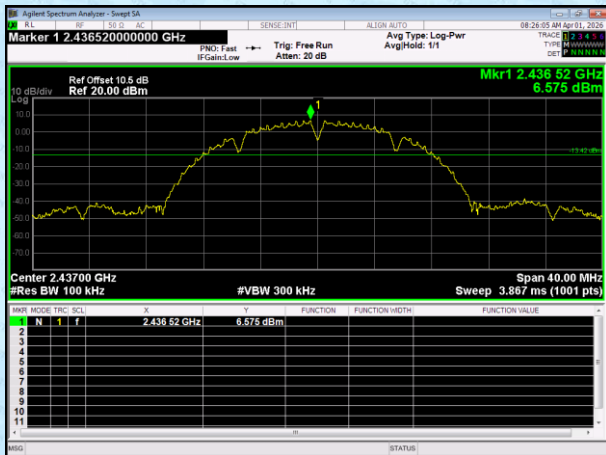
802.11b

Lowest channel



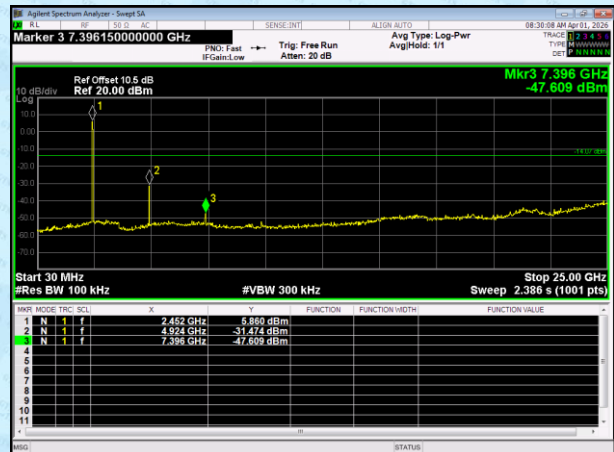
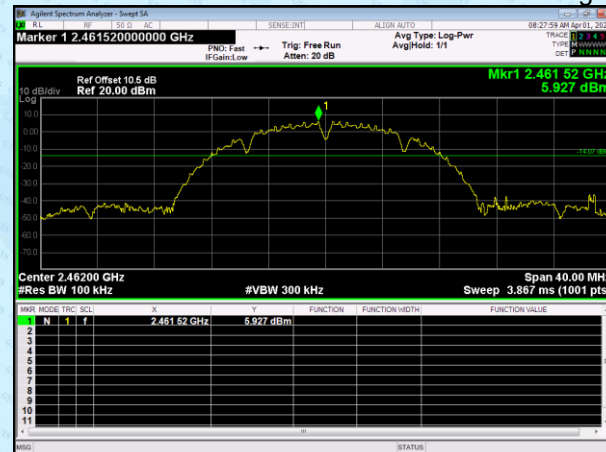
30MHz~25GHz

Middle channel



30MHz~25GHz

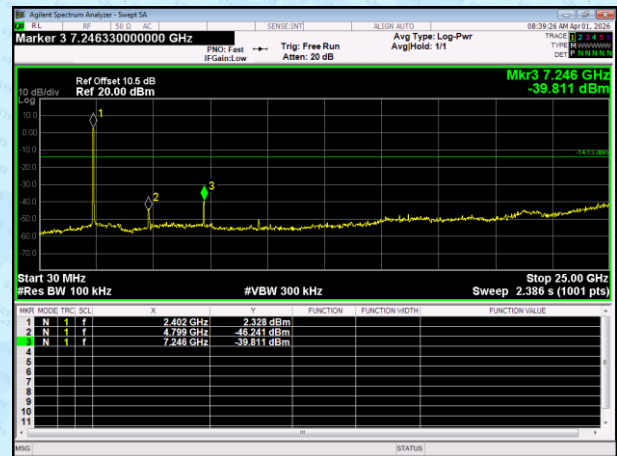
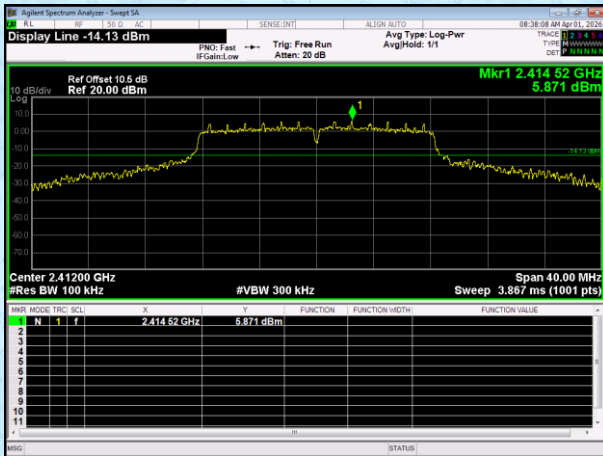
Highest channel



30MHz~25GHz

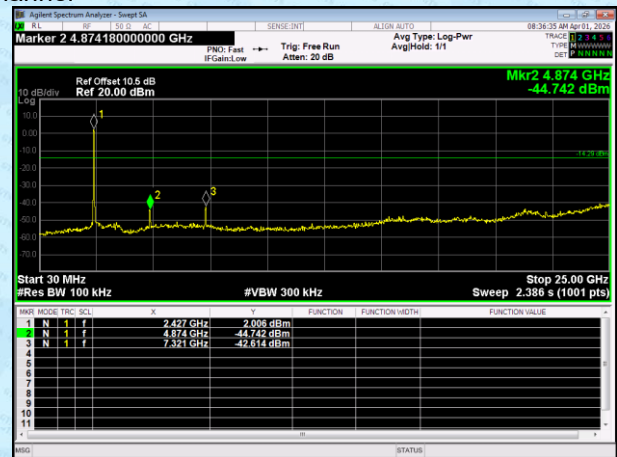
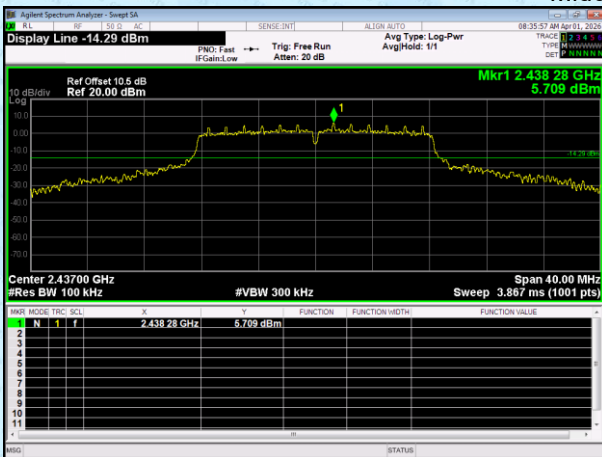
802.11g

Lowest channel



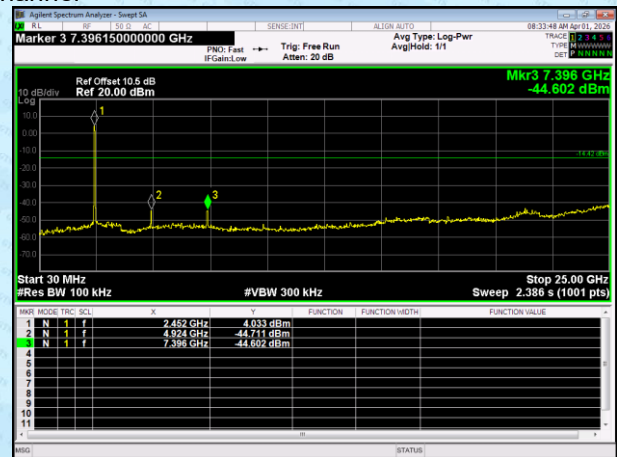
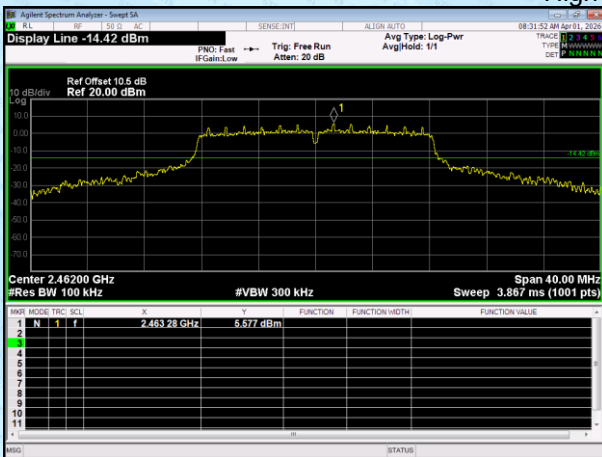
30MHz~25GHz

Middle channel



30MHz~25GHz

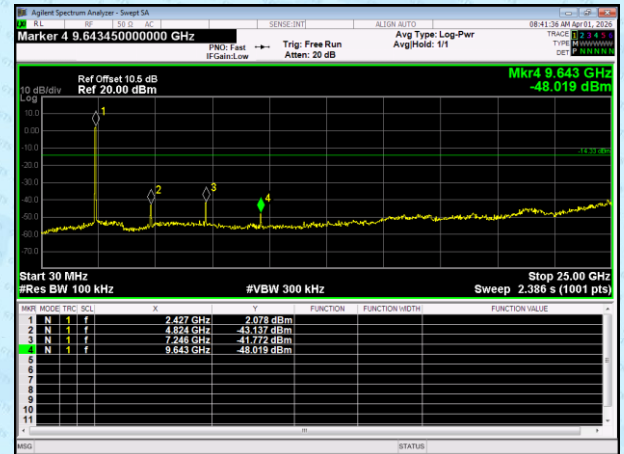
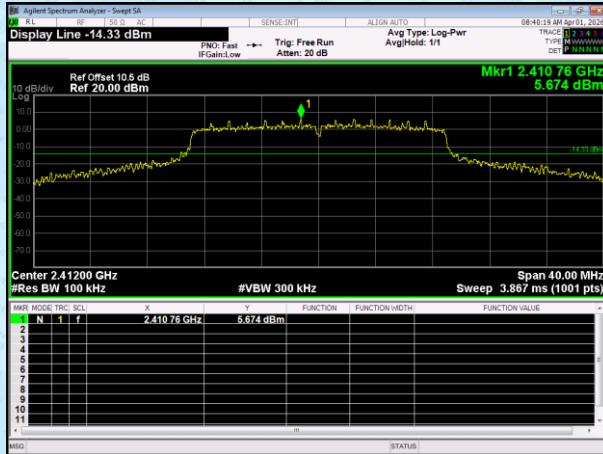
Highest channel



30MHz~25GHz

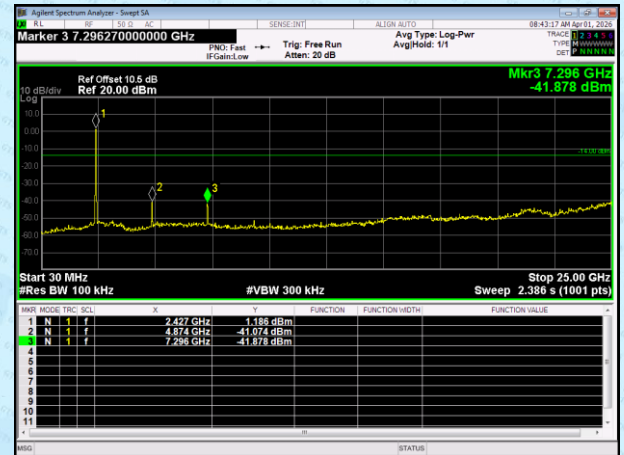
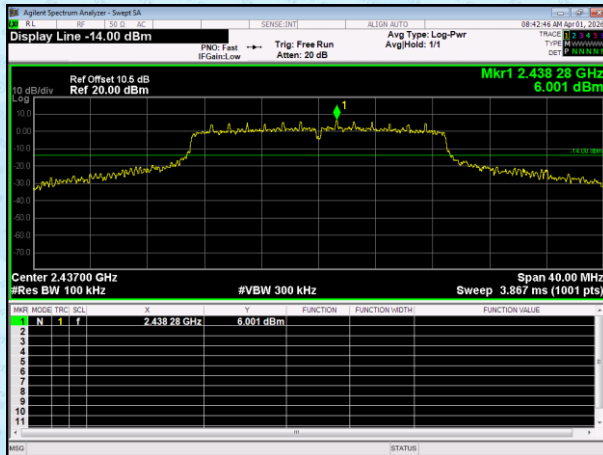
802.11n(HT20)

Lowest channel



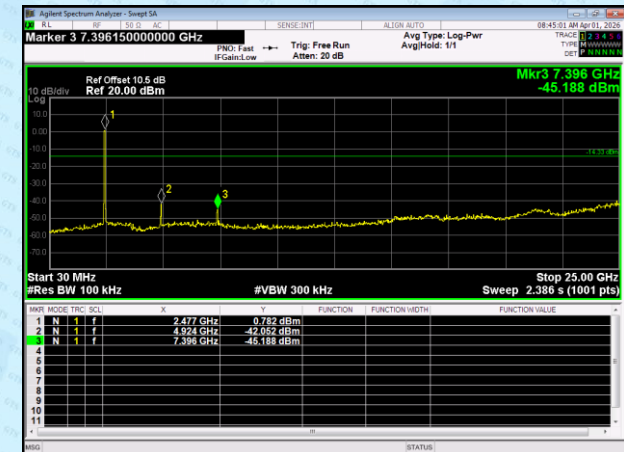
30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel

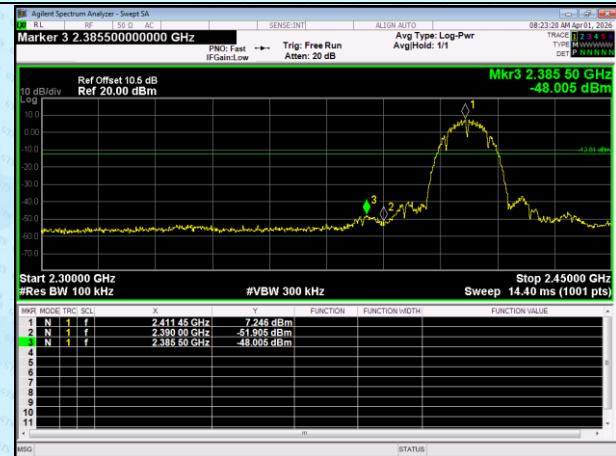


30MHz~25GHz

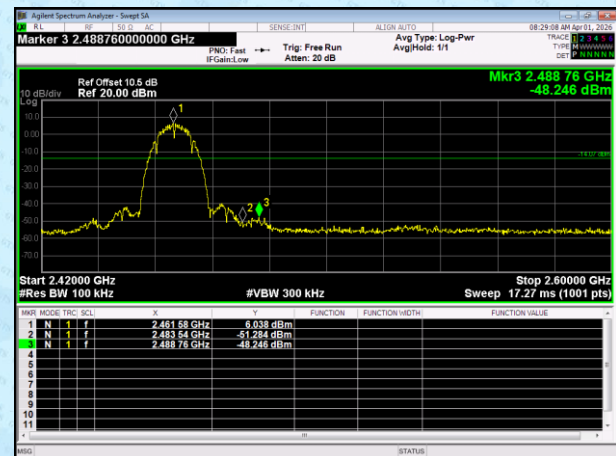
5.2 Unwanted Emissions in restricted Frequency Bands & Band Edge

5.2.1 Test Graph

802.11b



Lowest channel

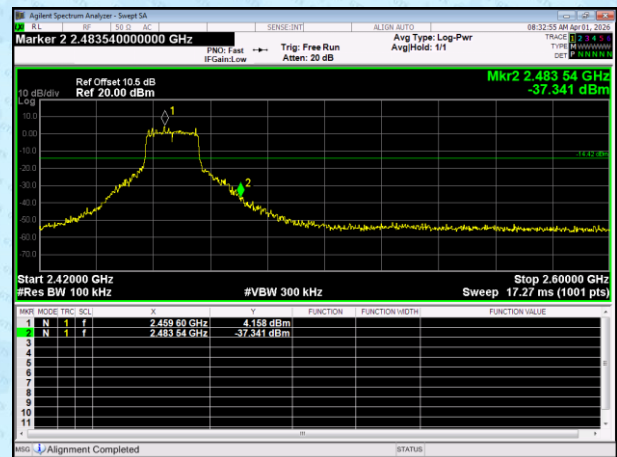
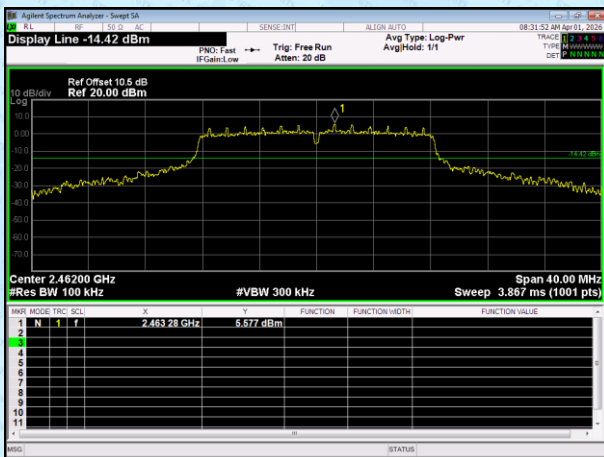


Highest channel

802.11g



Lowest channel

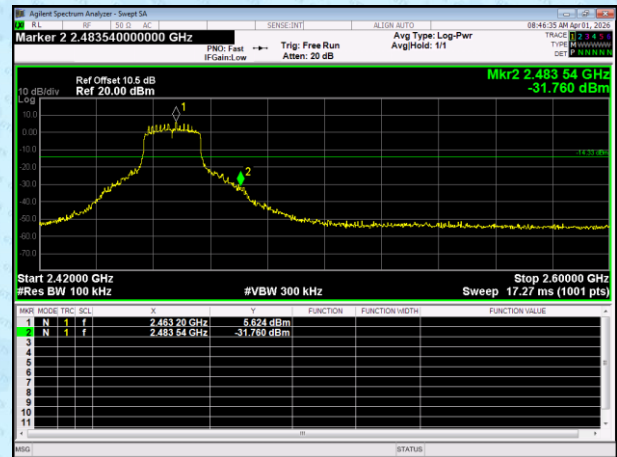
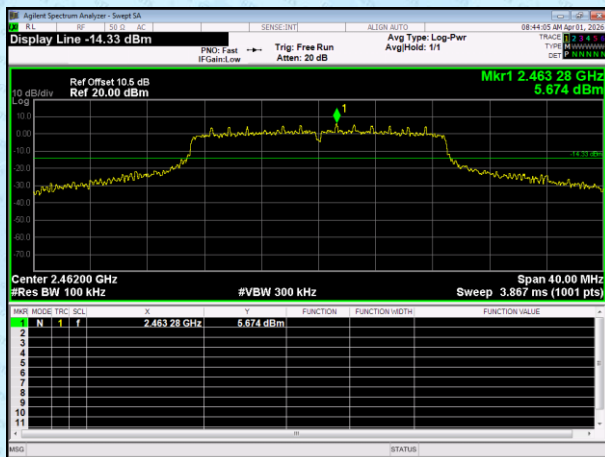


Highest channel

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-----