

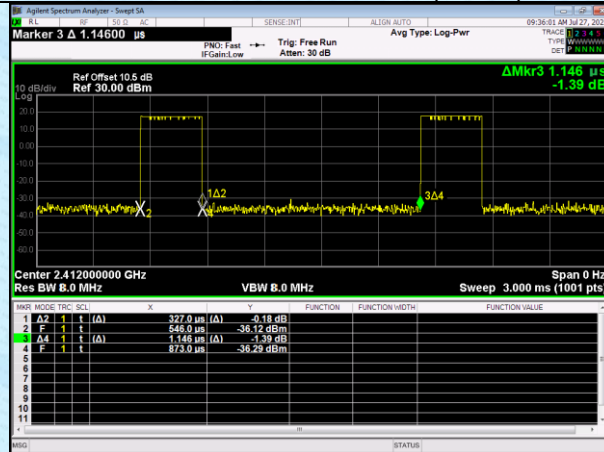
## 1. Duty Cycle

### 1.1 Test Result

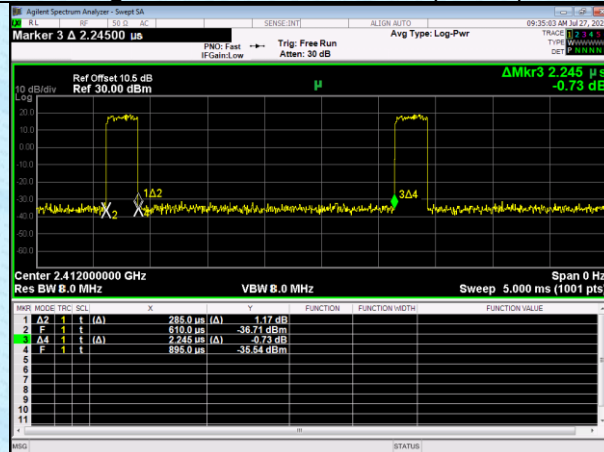
| Mode           | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle(%) | Duty cycleCorrection Factor (dB) | Max. DC Variation(%) |
|----------------|---------|-----------------|-----------|-------------|---------------|----------------------------------|----------------------|
| 802.11b        | SISO    | 2412            | 0.327     | 0.328       | 99.69         | 0.02                             | 0.04                 |
| 802.11g        | SISO    | 2412            | 0.285     | 0.287       | 99.30         | 0.11                             | 0.03                 |
| 802.11n (HT20) | SISO    | 2412            | 0.305     | 0.307       | 99.34         | 0.12                             | 0.07                 |

## 1.2 Test Graph

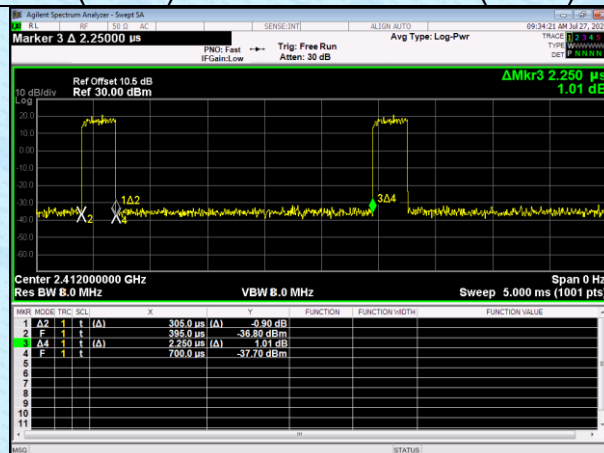
### 802.11b MCH 2412MHz Ant1(SISO)NTNV



### 802.11g MCH 2412MHz Ant1(SISO)NTNV



### 802.11n(HT20) MCH 2412MHz 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  | 20.55                   | 24.60   | 24.32         | 30.00      | Pass   |
| Middle  | 20.63                   | 24.18   | 24.24         |            |        |
| Highest | 20.44                   | 24.33   | 24.26         |            |        |

### 3.Channel Bandwidth & 99% Occupy Bandwidth

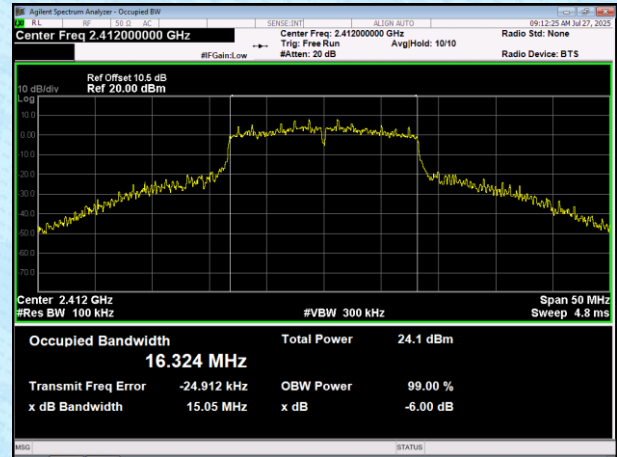
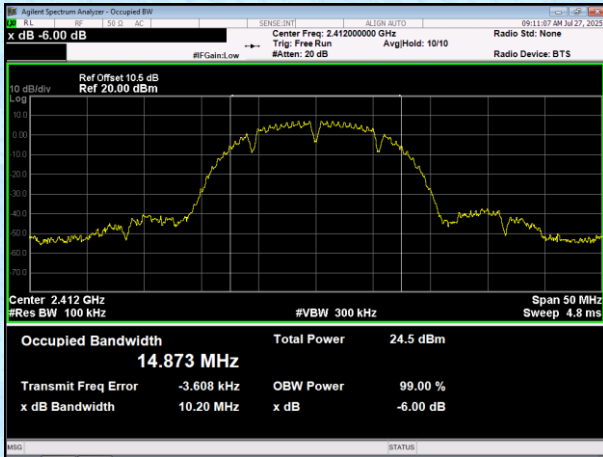
#### 3.1 Test Result

| Test CH | 6dB Channel Bandwidth (MHz) |         |               | Limit(KHz) | Result |
|---------|-----------------------------|---------|---------------|------------|--------|
|         | 802.11b                     | 802.11g | 802.11n(HT20) |            |        |
| Lowest  | 10.20                       | 15.05   | 15.17         | >500       | Pass   |
| Middle  | 10.13                       | 13.95   | 15.09         |            |        |
| Highest | 10.10                       | 15.07   | 15.38         |            |        |

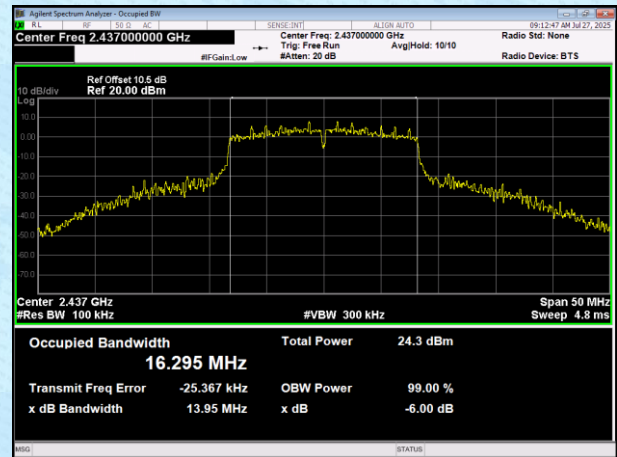
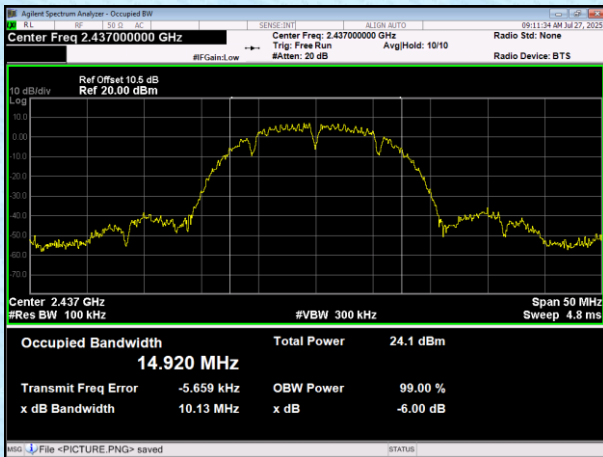
| Test CH | 99% Occupy Bandwidth (MHz) |         |               | Result |
|---------|----------------------------|---------|---------------|--------|
|         | 802.11b                    | 802.11g | 802.11n(HT20) |        |
| Lowest  | 10.26                      | 15.95   | 16.95         | Pass   |
| Middle  | 10.27                      | 15.81   | 17.02         |        |
| Highest | 10.27                      | 16.14   | 17.01         |        |

## 3.2 Test Graph

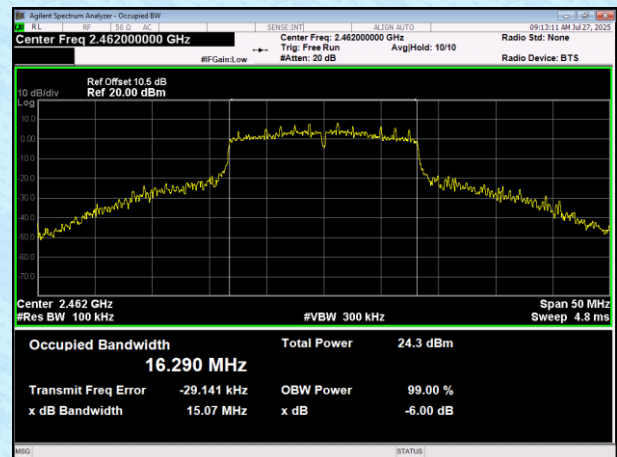
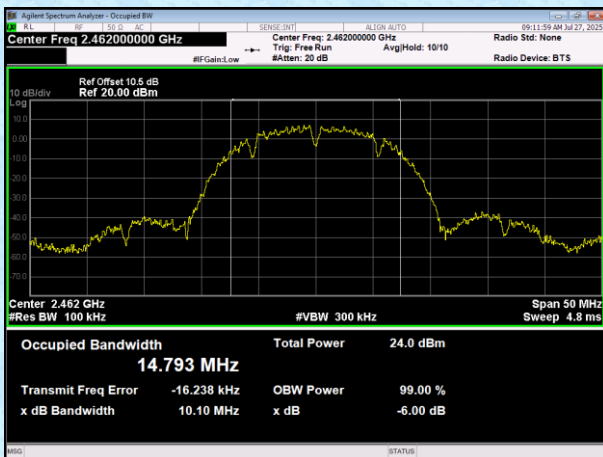
| 6dB Channel Bandwidth |         |
|-----------------------|---------|
| 802.11b               | 802.11g |



### Lowest channel

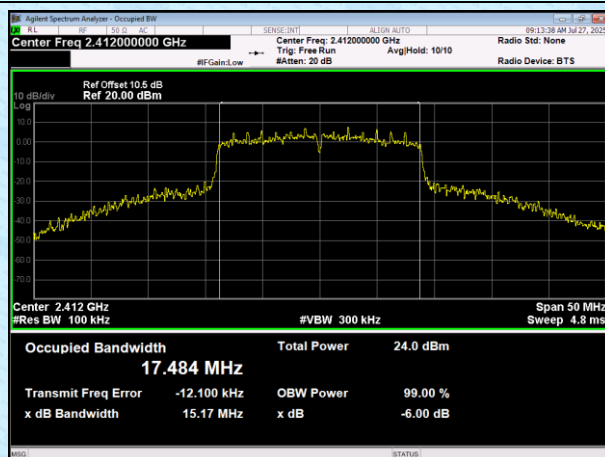


### Middle channel

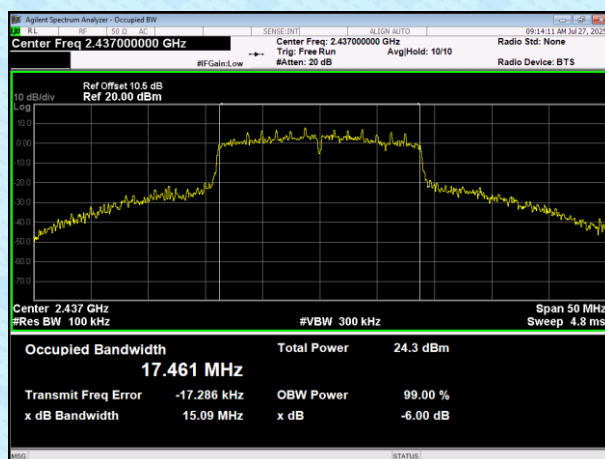


### Highest channel

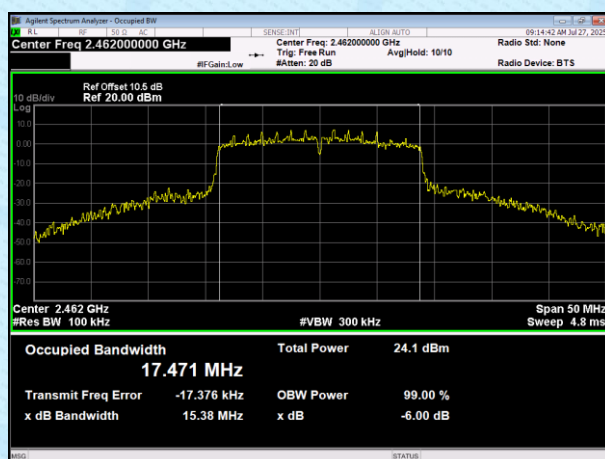
## 802.11n(HT20)



Lowest channel



Middle channel

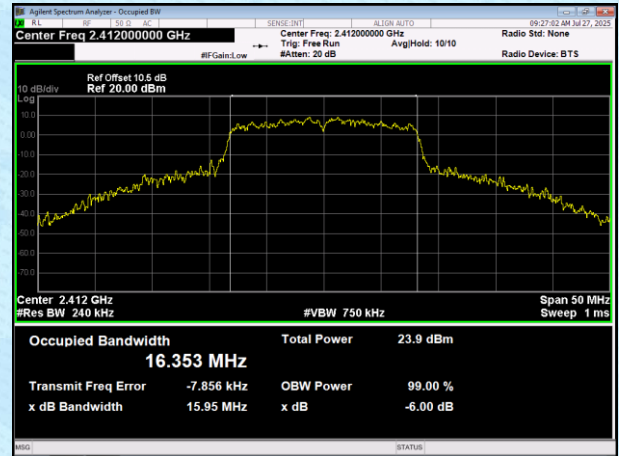
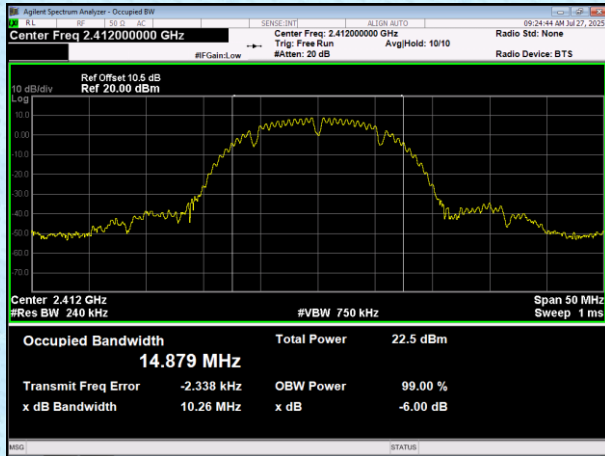


Highest channel

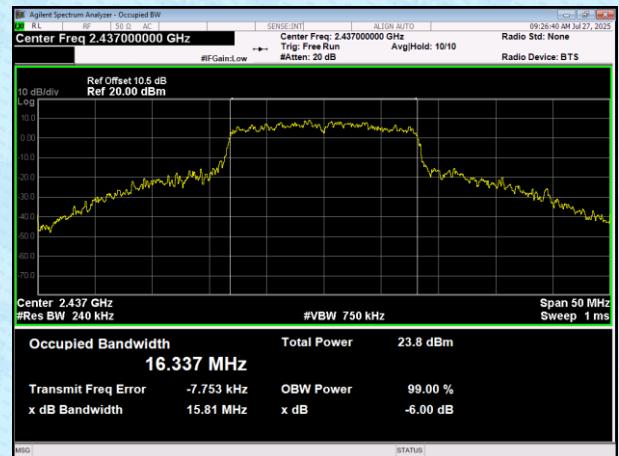
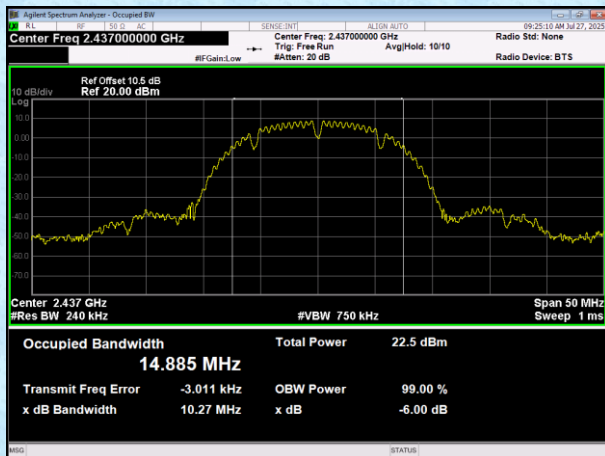
## 99% Occupy Bandwidth

802.11b

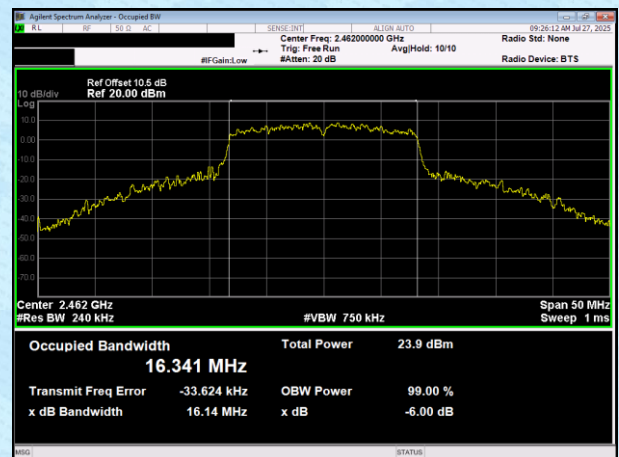
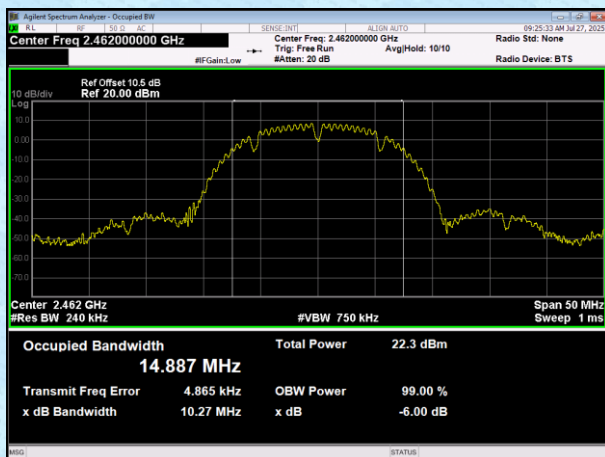
802.11g



## Lowest channel

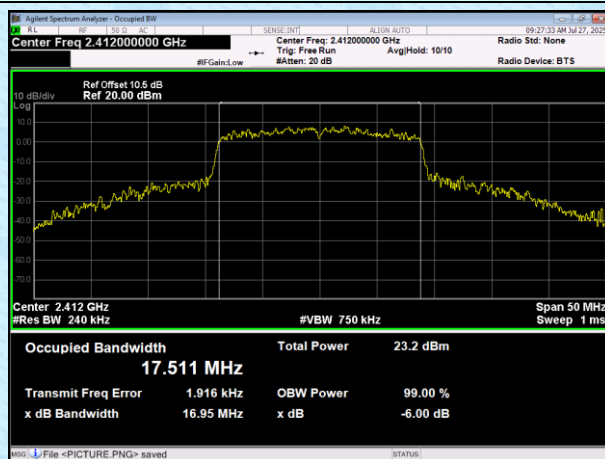


## Middle channel

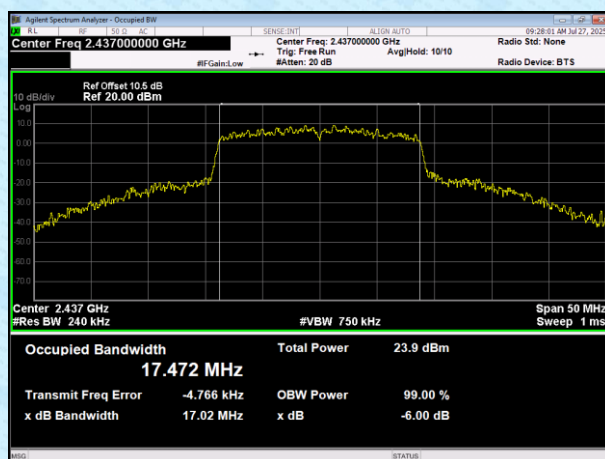


## Highest channel

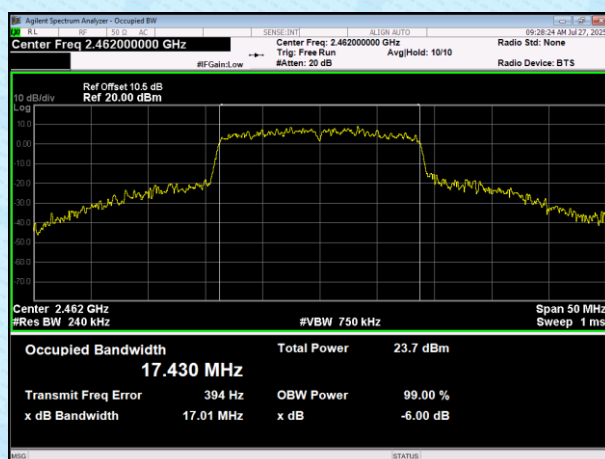
## 802.11n(HT20)



Lowest channel



Middle channel



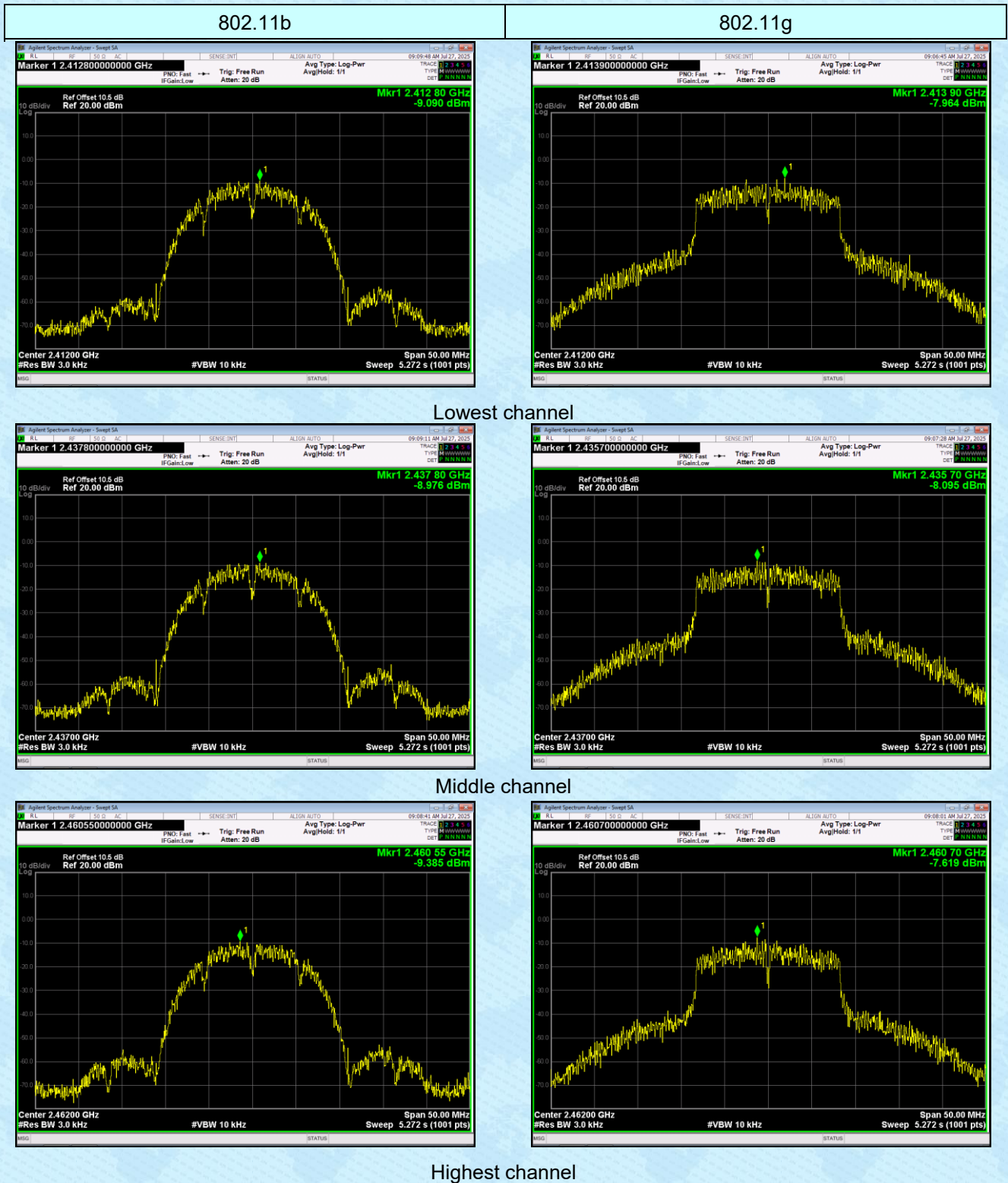
Highest channel

#### 4.Power Spectral Density

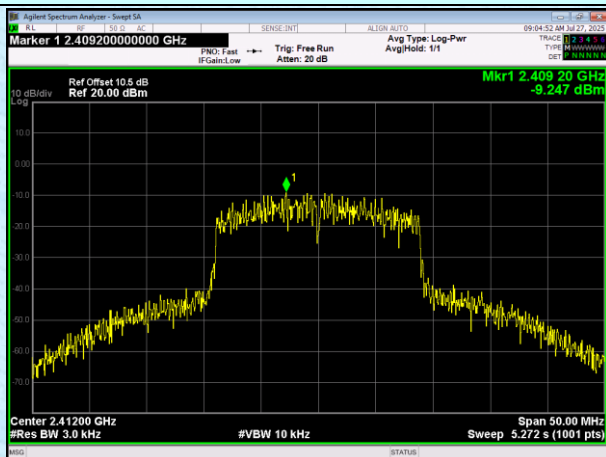
##### 4.1 Test Result

| Test CH | Power Spectral Density (dBm/3kHz) |         |               | Limit<br>(dBm/3KHz) | Result |
|---------|-----------------------------------|---------|---------------|---------------------|--------|
|         | 802.11b                           | 802.11g | 802.11n(HT20) |                     |        |
| Lowest  | -9.090                            | -7.964  | -9.247        | 8.00                | Pass   |
| Middle  | -8.796                            | -8.095  | -9.065        |                     |        |
| Highest | -9.385                            | -7.619  | -8.913        |                     |        |

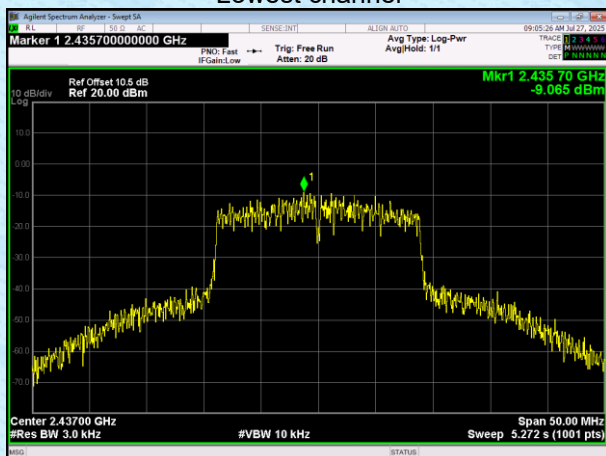
## 4.2 Test Graph



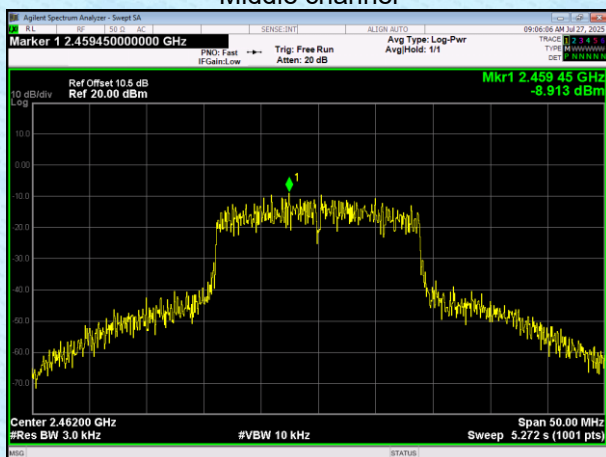
## 802.11n(HT20)



### Lowest channel



### Middle channel



### Highest channel

## 5. Spurious Emission in Non-restricted & restricted Bands

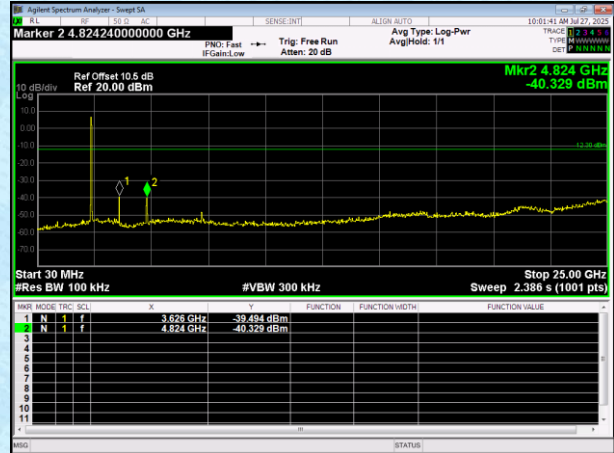
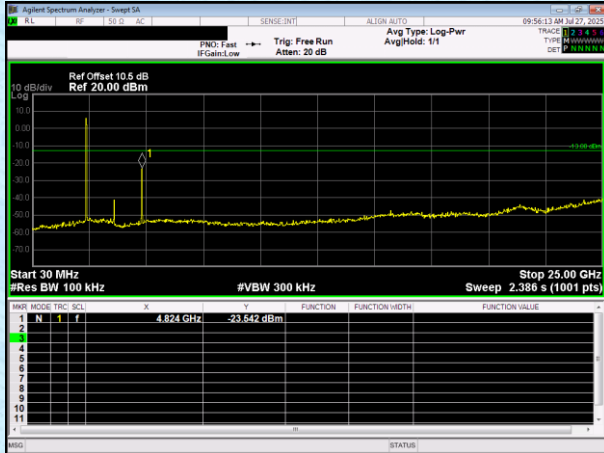
### 5.1 Unwanted Emissions in non-restricted Frequency Bands

#### 5.1.1 Test Graph

802.11b

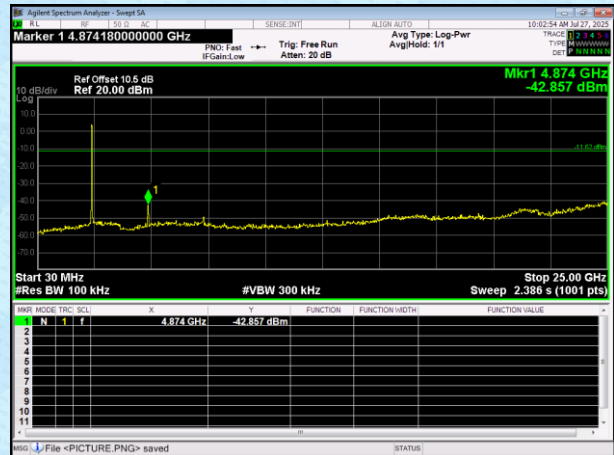
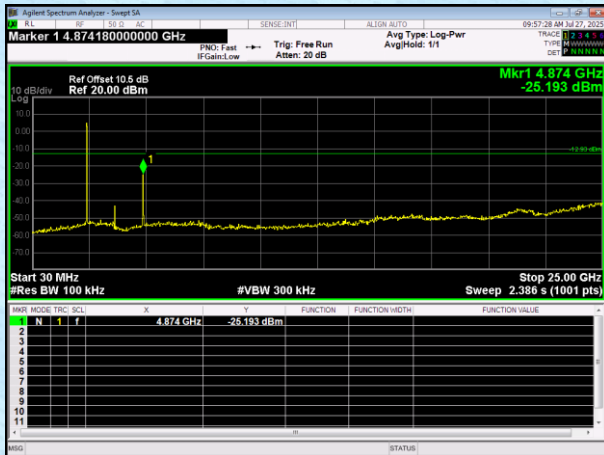
802.11g

Lowest channel



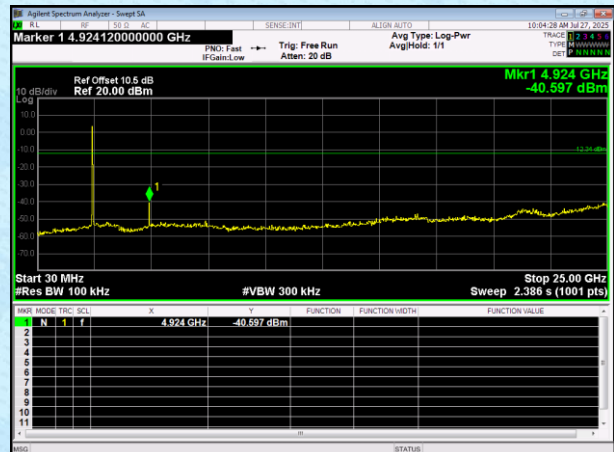
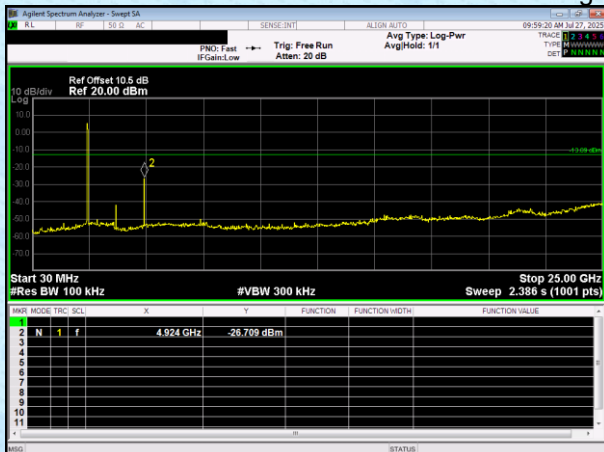
30MHz~25GHz

Middle channel



30MHz~25GHz

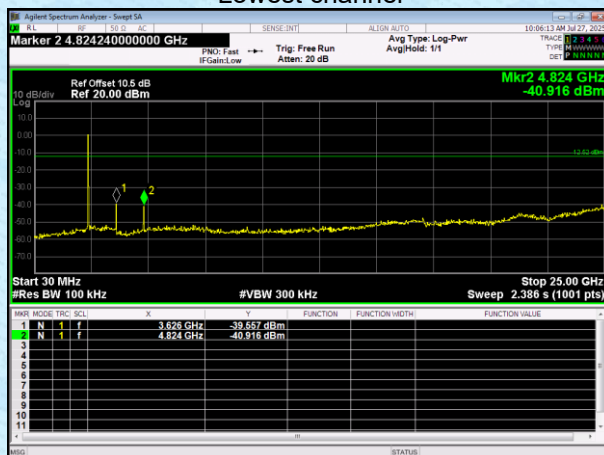
Highest channel



30MHz~25GHz

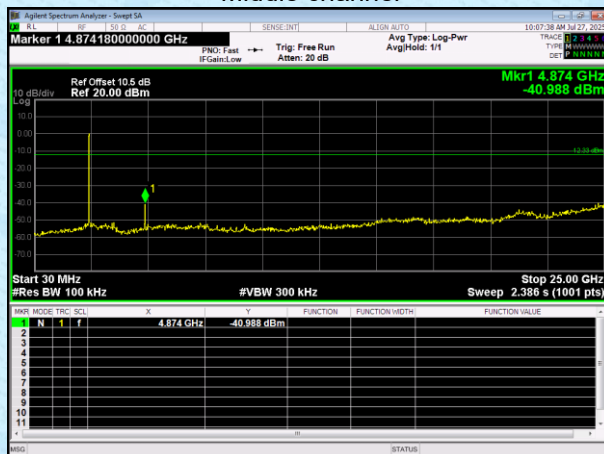
## 802.11n(HT20)

### Lowest channel



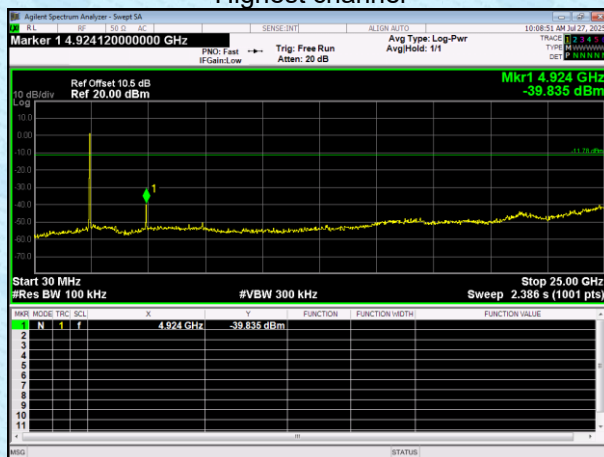
30MHz~25GHz

### Middle channel



30MHz~25GHz

### Highest channel

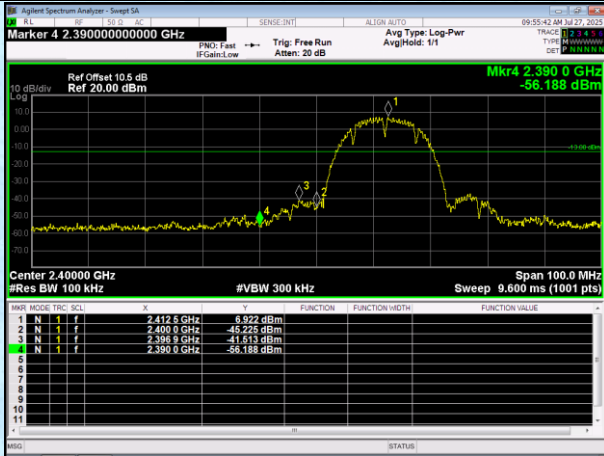


30MHz~25GHz

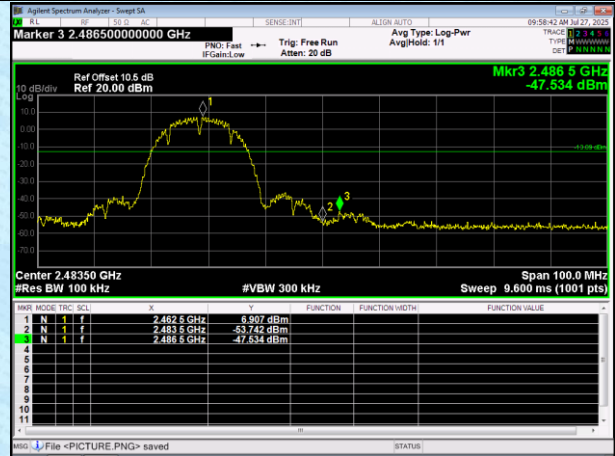
## 5.2 Unwanted Emissions in restricted Frequency Bands & Band Edge

### 5.2.1 Test Graph

802.11b

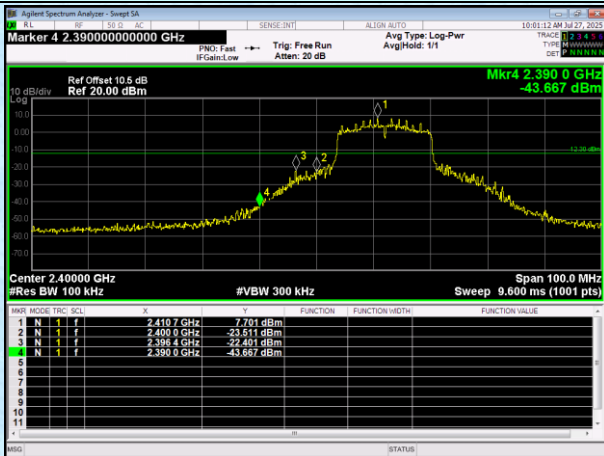


Lowest channel

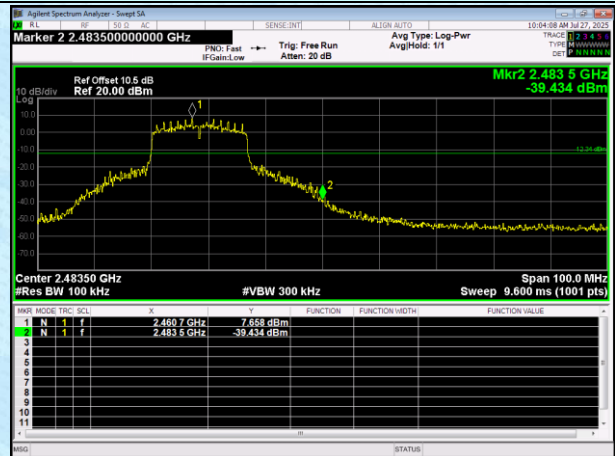


Highest channel

802.11g

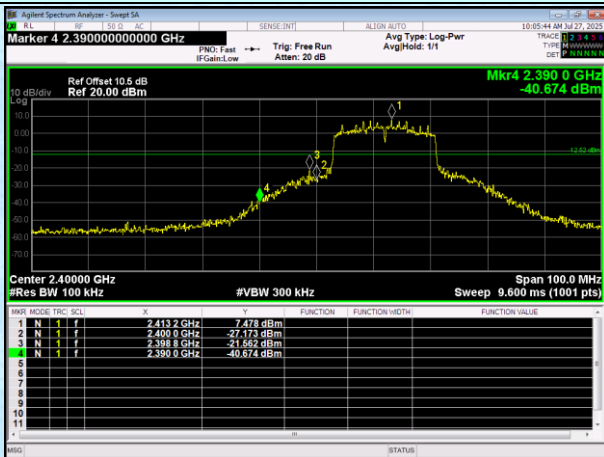


Lowest channel

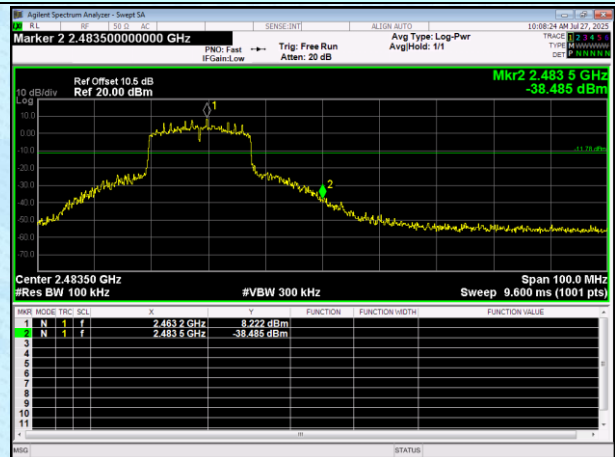


Highest channel

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-----