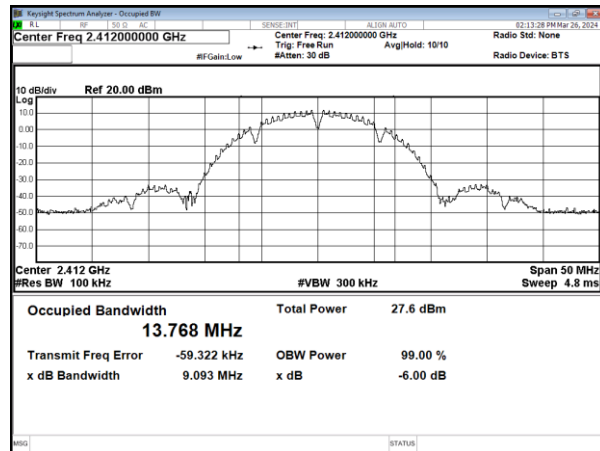
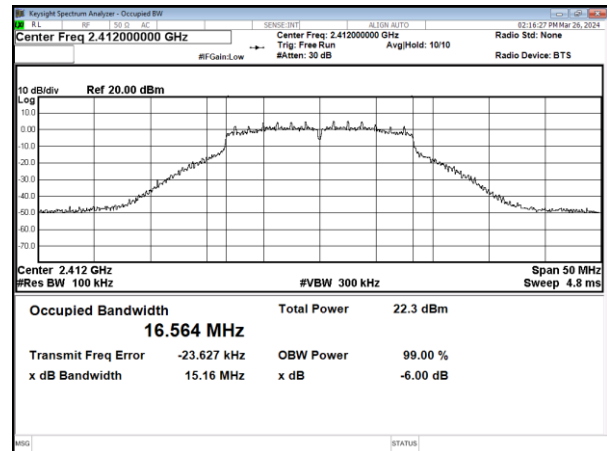
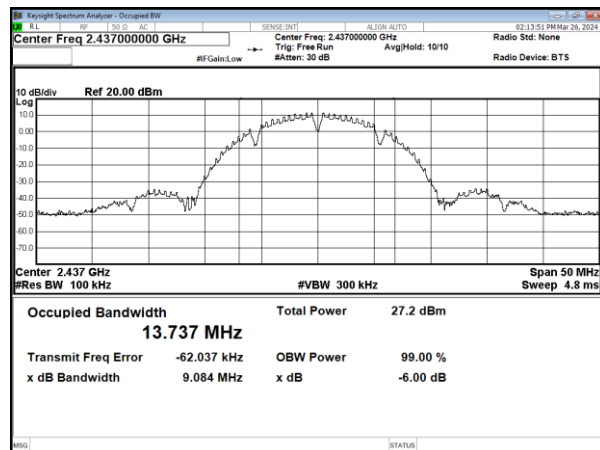
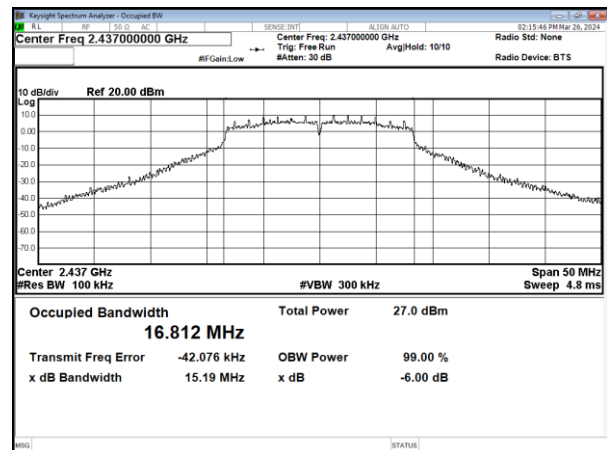
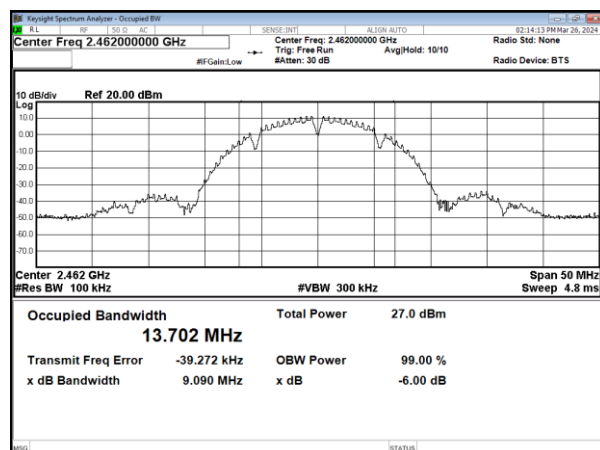
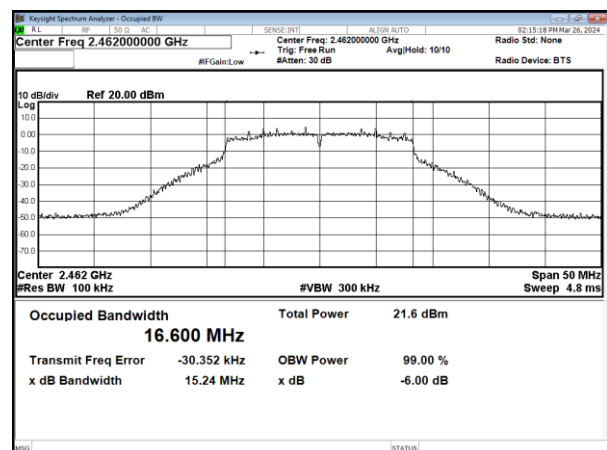
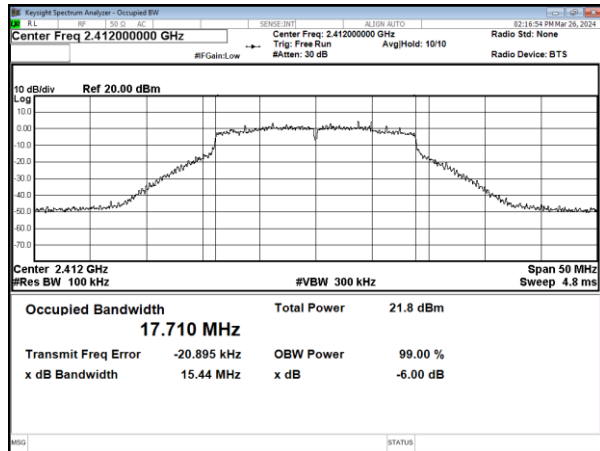
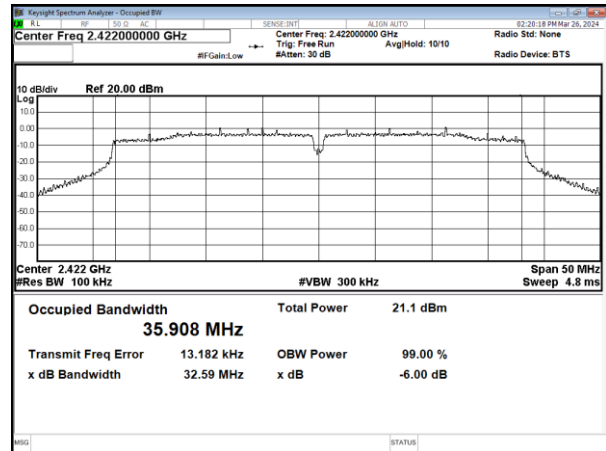
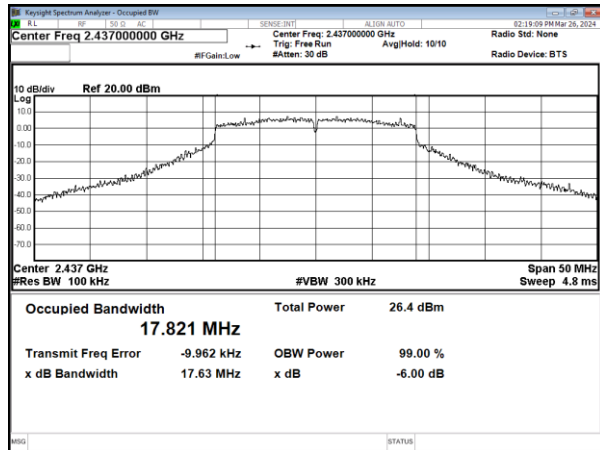


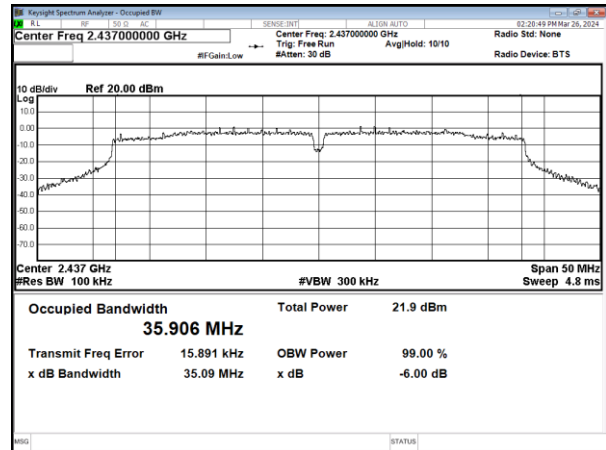
**Antenna A**Modulation Type: 802.11b  
CH01Modulation Type: 802.11g  
CH01**CH06****CH06****CH11****CH11**

Modulation Type: IEEE 802.11n HT20  
CH01Modulation Type: IEEE 802.11n HT40  
CH03

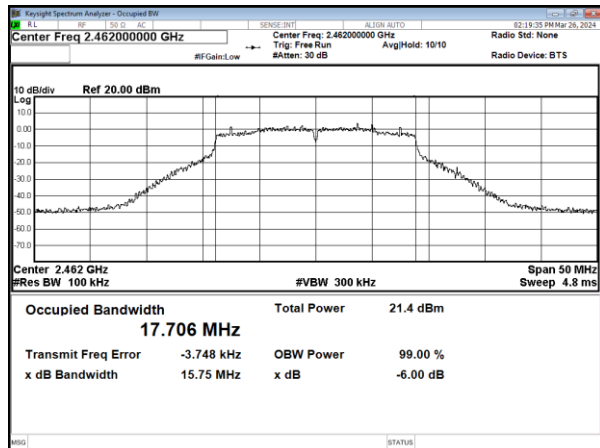
## CH06



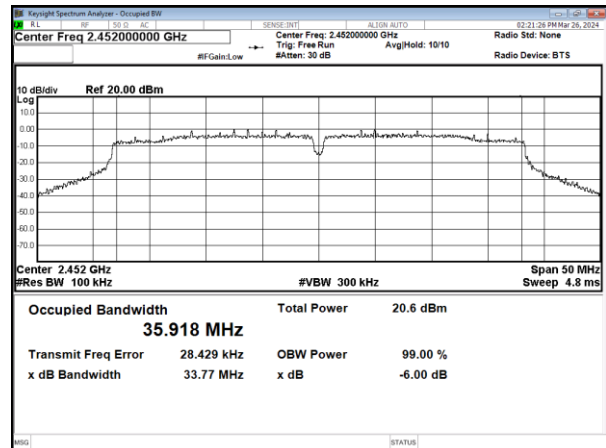
## CH06

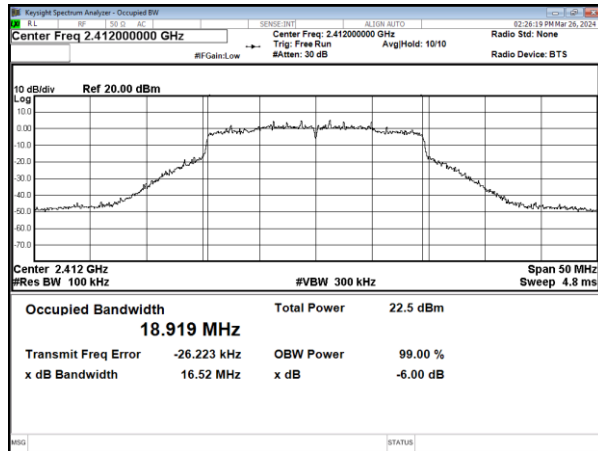
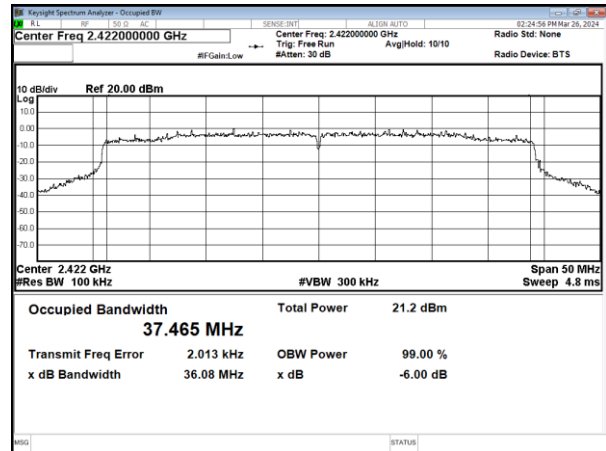


## CH11

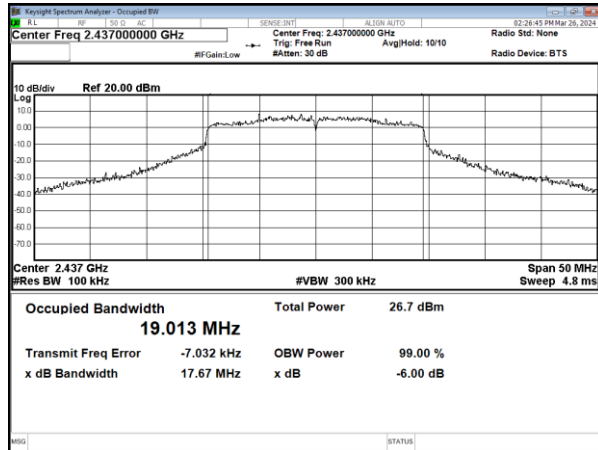


## CH09

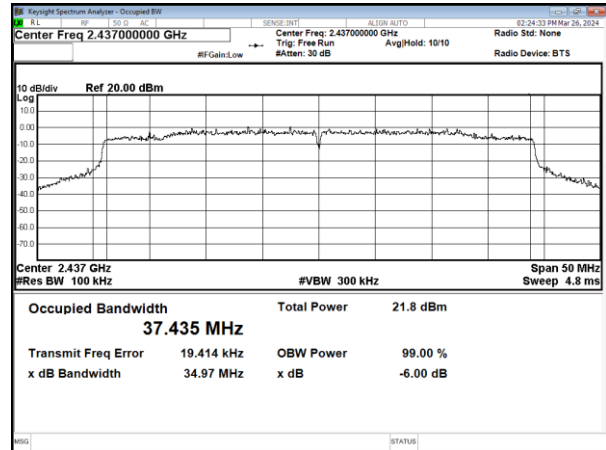


Modulation Type: IEEE 802.11ax HE20  
CH01Modulation Type: IEEE 802.11ax HE40  
CH03

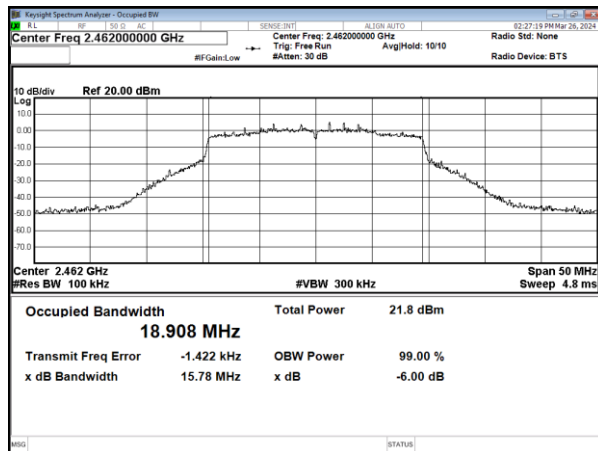
## CH06



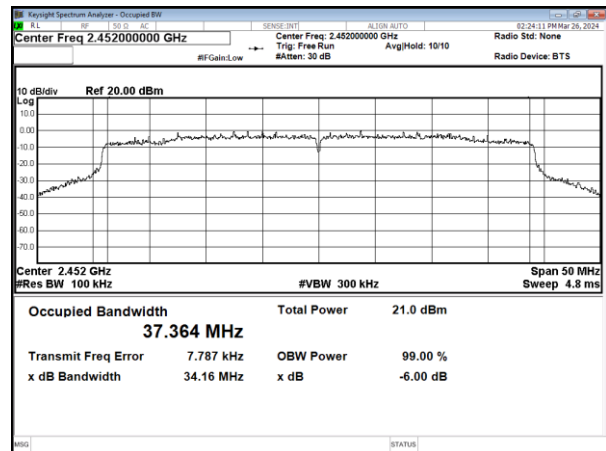
## CH06

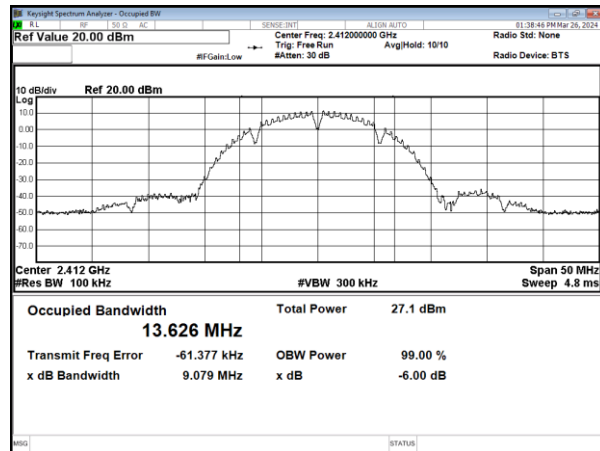
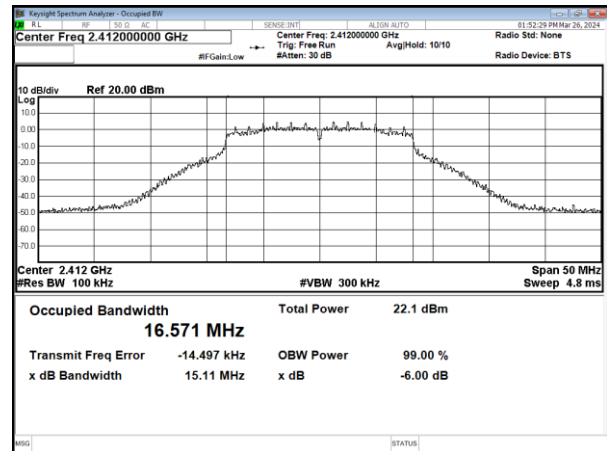
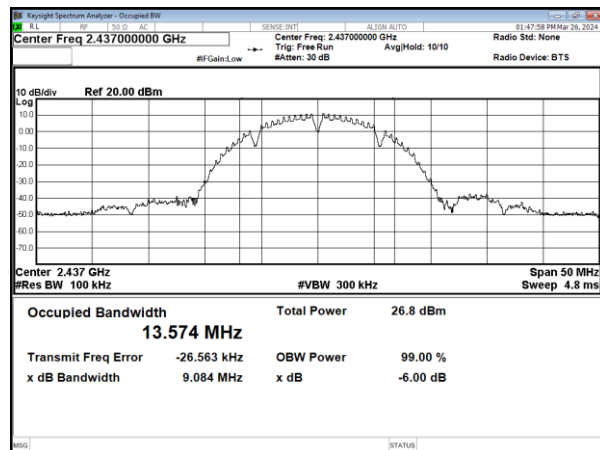
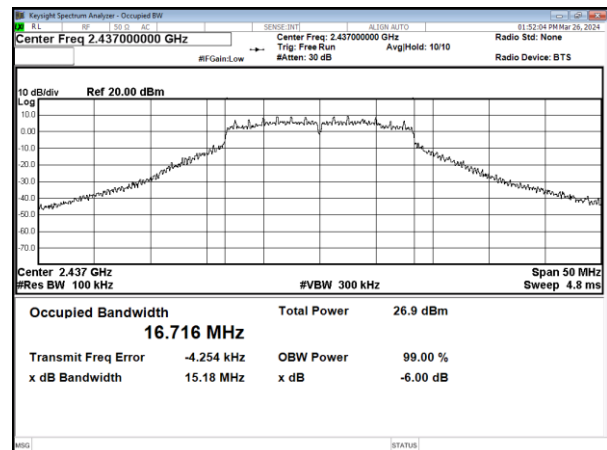
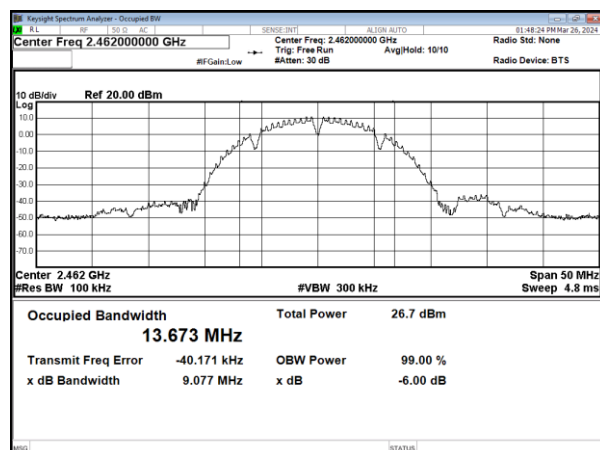
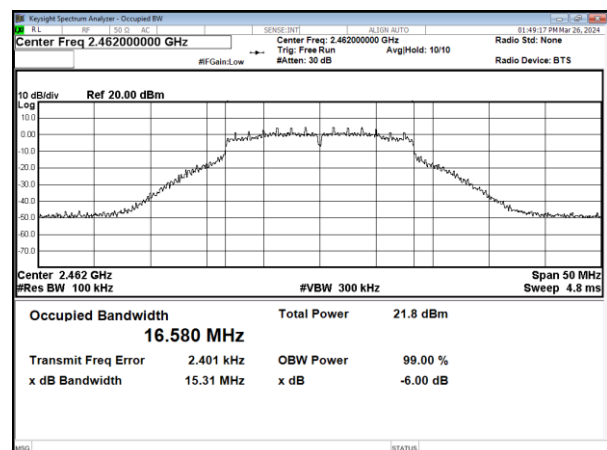


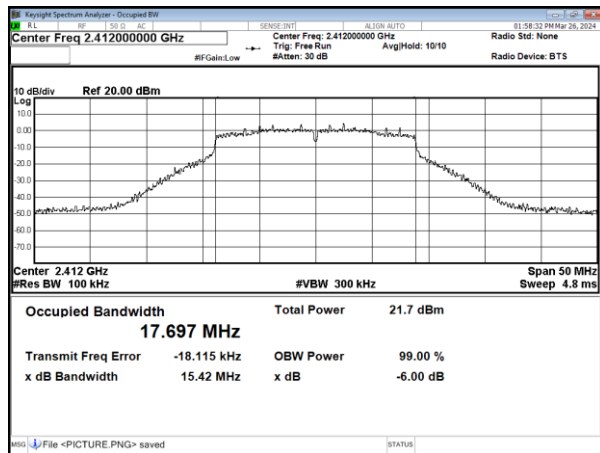
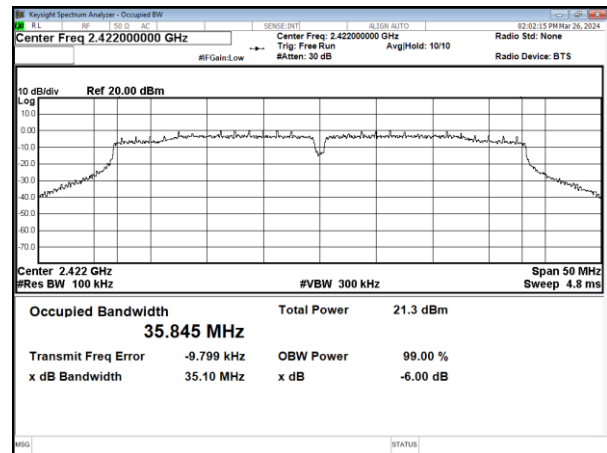
## CH11



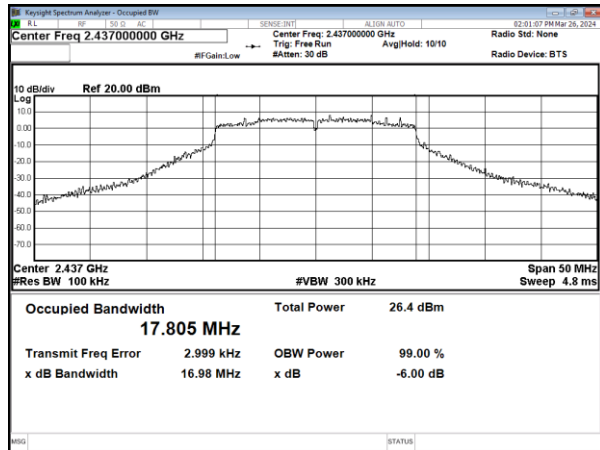
## CH09



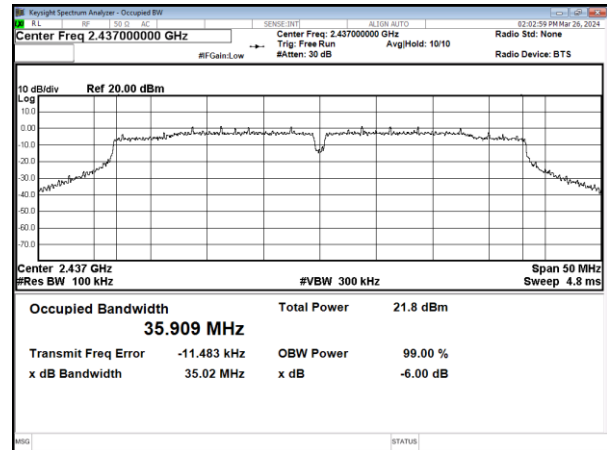
**Antenna B**Modulation Type: 802.11b  
CH01Modulation Type: 802.11g  
CH01**CH06****CH06****CH11****CH11**

Modulation Type: IEEE 802.11n HT20  
CH01Modulation Type: IEEE 802.11n HT40  
CH03

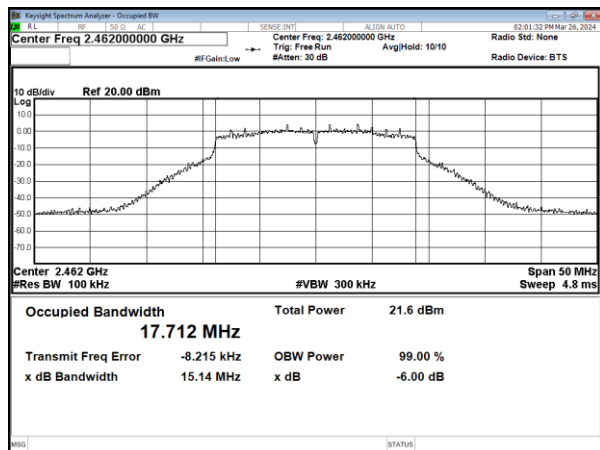
## CH06



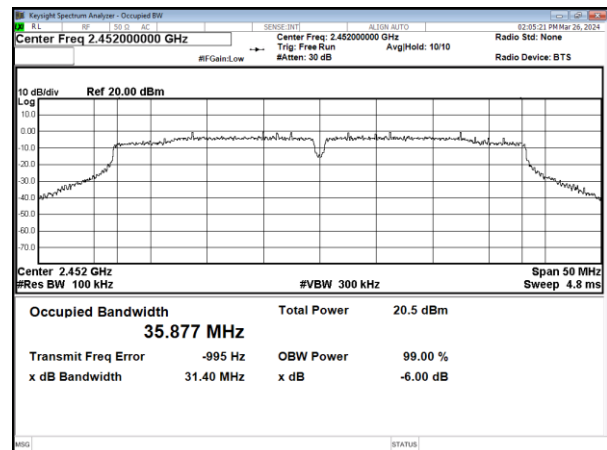
## CH06



## CH11

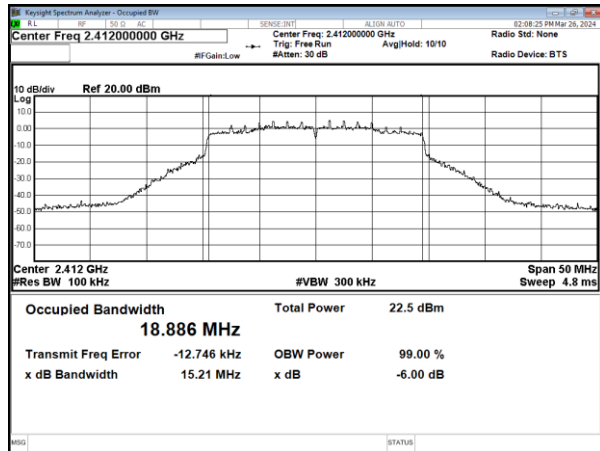


## CH09

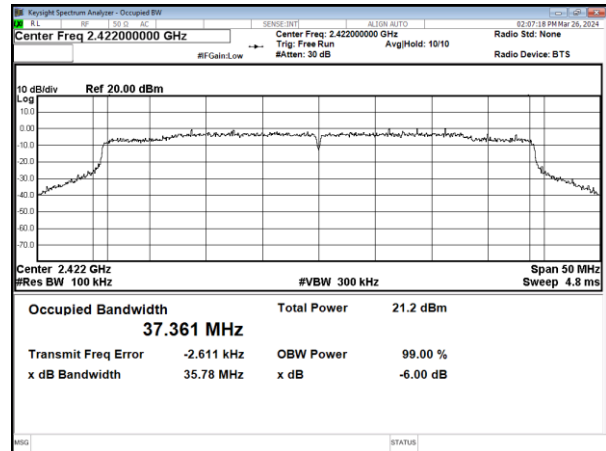




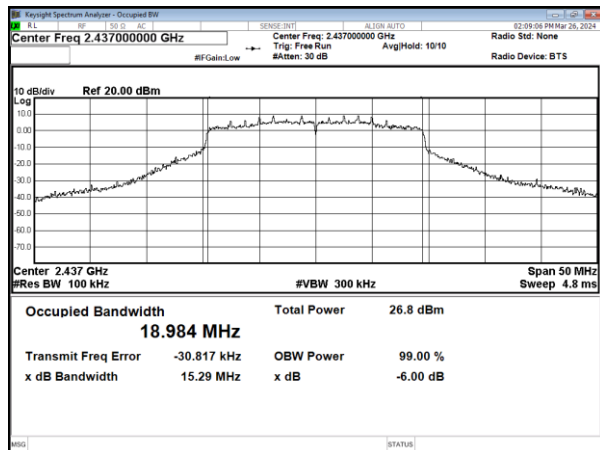
Modulation Type: IEEE 802.11ax HE20  
CH01



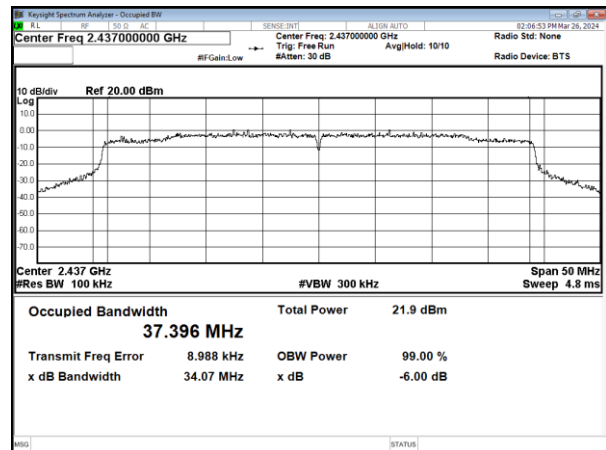
Modulation Type: IEEE 802.11ax HE40  
CH03



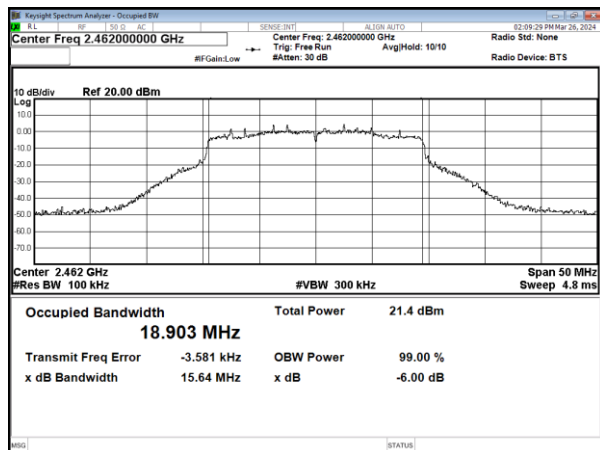
CH06



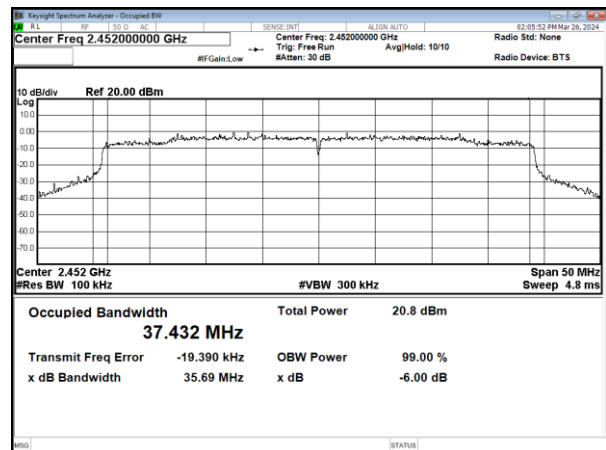
CH06



CH11



CH09





## 10. Maximum Peak Output Power

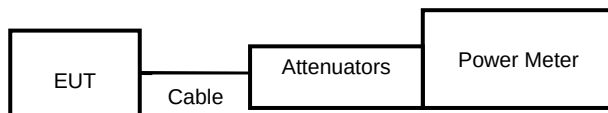
### 10.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

### 10.2 Test Procedures

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

### 10.3 Test Setup Layout



**10.4 Test Result and Data**

| Modulation Type | Channel | Frequency (MHz) | Conducted(peak) output power (dBm) |        | Total peak power (dBm) | Total peak power (mW) | Power Limit (dBm) |
|-----------------|---------|-----------------|------------------------------------|--------|------------------------|-----------------------|-------------------|
|                 |         |                 | ANT A                              | ANT B  |                        |                       |                   |
| 11b             | 1       | 2412            | 23.080                             | 22.610 | 25.86                  | 385.478               | 30.00             |
|                 | 6       | 2437            | 22.690                             | 22.370 | 25.54                  | 358.096               | 30.00             |
|                 | 11      | 2462            | 22.490                             | 22.380 | 25.45                  | 350.752               | 30.00             |
| 11g             | 1       | 2412            | 22.610                             | 22.260 | 25.45                  | 350.752               | 30.00             |
|                 | 6       | 2437            | 26.870                             | 26.150 | 29.54                  | 899.498               | 30.00             |
|                 | 11      | 2462            | 22.190                             | 22.060 | 25.14                  | 326.588               | 30.00             |
| 11n HT20        | 1       | 2412            | 22.340                             | 22.220 | 25.29                  | 338.065               | 30.00             |
|                 | 6       | 2437            | 26.630                             | 26.090 | 29.38                  | 866.962               | 30.00             |
|                 | 11      | 2462            | 21.850                             | 22.050 | 24.96                  | 313.329               | 30.00             |
| 11n HT40        | 3       | 2422            | 21.660                             | 21.730 | 24.71                  | 295.801               | 30.00             |
|                 | 6       | 2437            | 22.490                             | 22.490 | 25.50                  | 354.813               | 30.00             |
|                 | 9       | 2452            | 21.580                             | 21.260 | 24.43                  | 277.332               | 30.00             |
| 802.11ax HE20   | 1       | 2412            | 22.890                             | 22.210 | 25.57                  | 360.579               | 30.00             |
|                 | 6       | 2437            | 26.500                             | 26.490 | 29.51                  | 893.305               | 30.00             |
|                 | 11      | 2462            | 22.850                             | 22.440 | 25.66                  | 368.129               | 30.00             |
| 802.11ax HE40   | 3       | 2422            | 22.410                             | 22.050 | 25.24                  | 334.195               | 30.00             |
|                 | 6       | 2437            | 23.470                             | 22.950 | 26.23                  | 419.759               | 30.00             |
|                 | 9       | 2452            | 22.040                             | 21.920 | 24.99                  | 315.500               | 30.00             |



## 11. Power Spectral Density

### 11.1 Test Limit

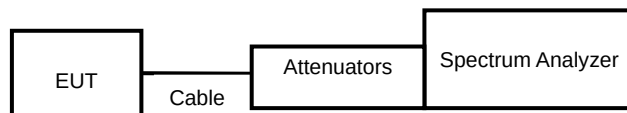
The Maximum of Power Spectral Density Measurement is 8dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

### 11.2 Test Procedures

- The transmitter output was connected to spectrum analyzer.
- The spectrum analyzer's resolution bandwidth were set at 3kHz RBW and 10KHz VBW as that of the fundamental frequency. Set the sweep time=auto couple.
- The power spectral density was measured and recorded.

### 11.3 Test Setup Layout



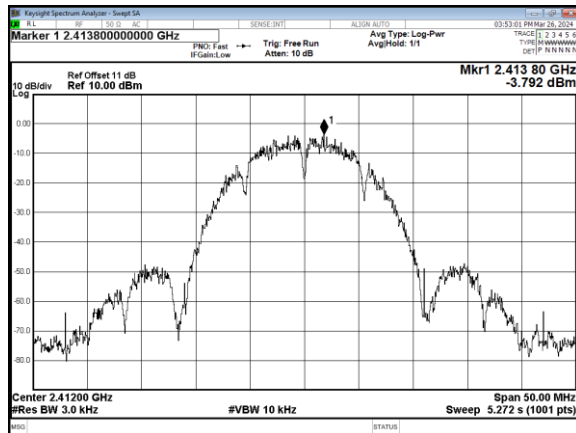


#### 11.4 Test Result and Data

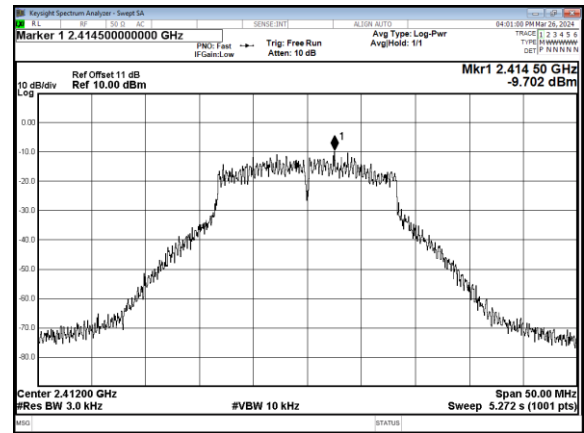
| Modulation Type | Channel | Frequency (MHz) | Maximum Power Density of 3KHz Bandwidth(dBm) |         | Sum chain (dBm) | Limit (dBm) |
|-----------------|---------|-----------------|----------------------------------------------|---------|-----------------|-------------|
|                 |         |                 | ANT A                                        | ANT B   |                 |             |
| 11b             | 1       | 2412            | -3.792                                       | -3.956  | -0.86           | 8.00        |
|                 | 6       | 2437            | -3.753                                       | -3.962  | -0.85           | 8.00        |
|                 | 11      | 2462            | -3.236                                       | -4.828  | -0.95           | 8.00        |
| 11g             | 1       | 2412            | -9.702                                       | -11.014 | -7.30           | 8.00        |
|                 | 6       | 2437            | -5.402                                       | -5.77   | -2.57           | 8.00        |
|                 | 11      | 2462            | -11.105                                      | -11.249 | -8.17           | 8.00        |
| 11n HT20        | 1       | 2412            | -11.801                                      | -11.446 | -8.61           | 8.00        |
|                 | 6       | 2437            | -6.615                                       | -5.695  | -3.12           | 8.00        |
|                 | 11      | 2462            | -11.196                                      | -11.803 | -8.48           | 8.00        |
| 11n HT40        | 3       | 2422            | -14.022                                      | -12.466 | -10.16          | 8.00        |
|                 | 6       | 2437            | -13.215                                      | -13.558 | -10.37          | 8.00        |
|                 | 9       | 2452            | -14.624                                      | -15.101 | -11.85          | 8.00        |
| 802.11ax HE20   | 1       | 2412            | -11.863                                      | -12.885 | -9.33           | 8.00        |
|                 | 6       | 2437            | -6.434                                       | -7.228  | -3.80           | 8.00        |
|                 | 11      | 2462            | -11.721                                      | -12.214 | -8.95           | 8.00        |
| 802.11ax HE40   | 3       | 2422            | -14.94                                       | -14.042 | -11.46          | 8.00        |
|                 | 6       | 2437            | -14.439                                      | -14.771 | -11.59          | 8.00        |
|                 | 9       | 2452            | -15.964                                      | -15.28  | -12.60          | 8.00        |



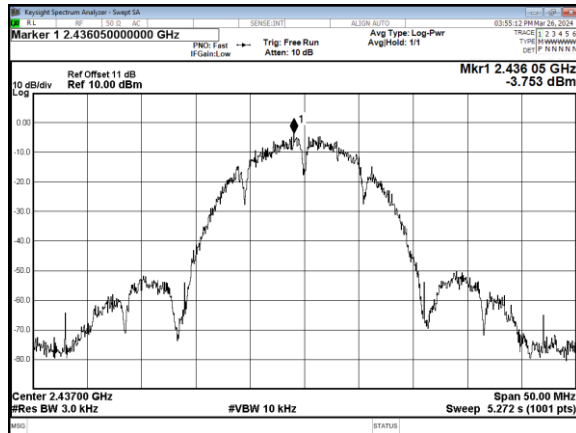
**MIMO (ANT A)**  
Modulation Type: 802.11b  
CH01



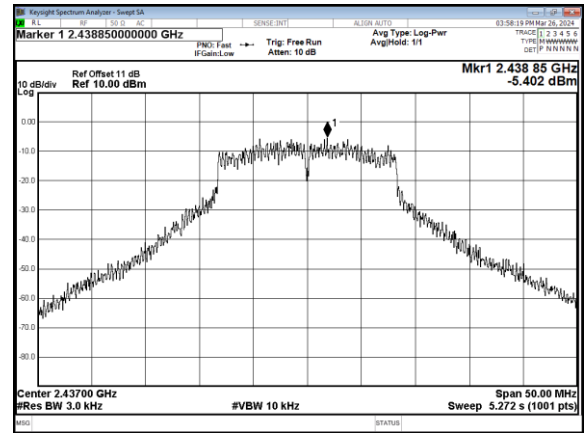
Modulation Type: 802.11g  
CH01



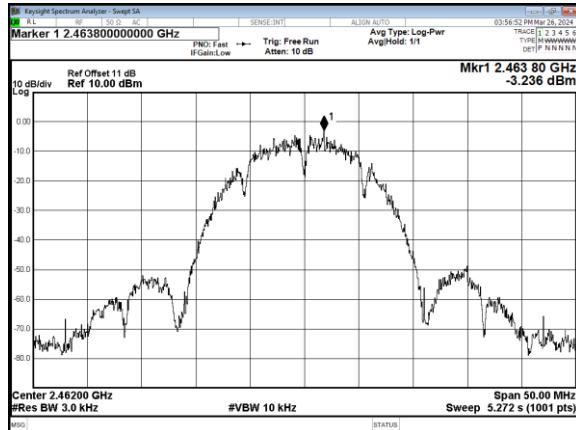
CH06



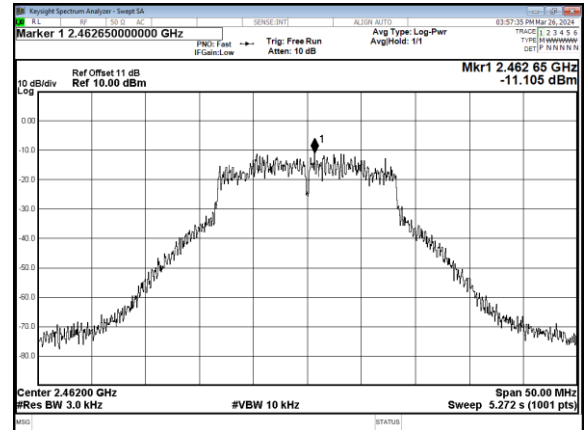
CH06

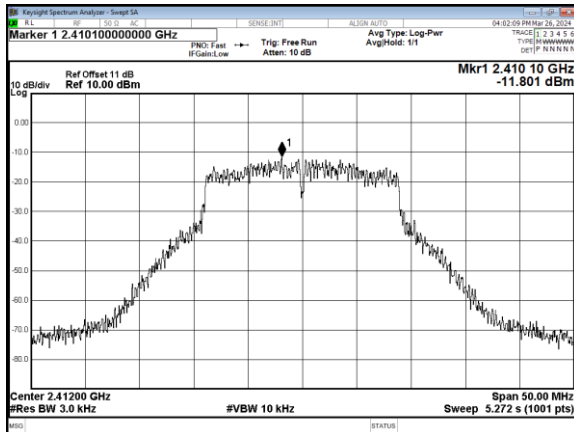
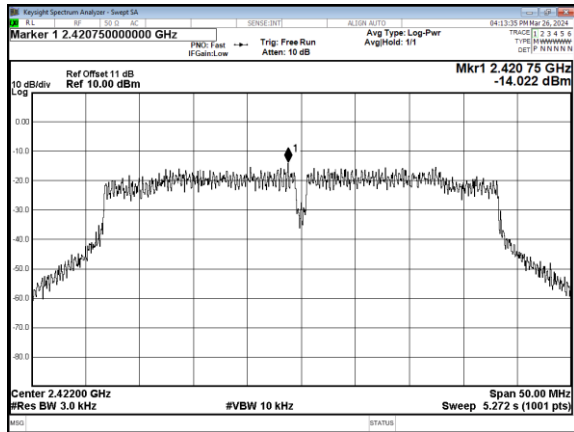


CH11

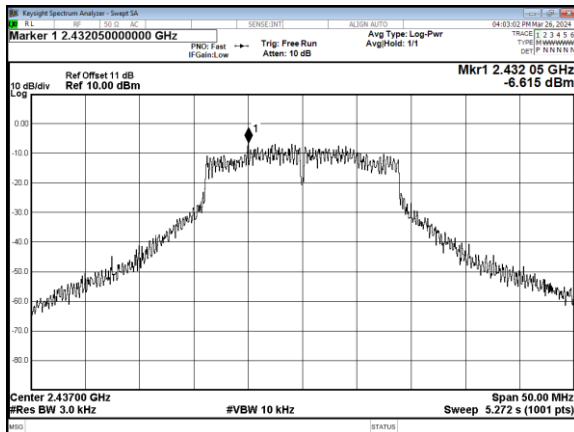


CH11

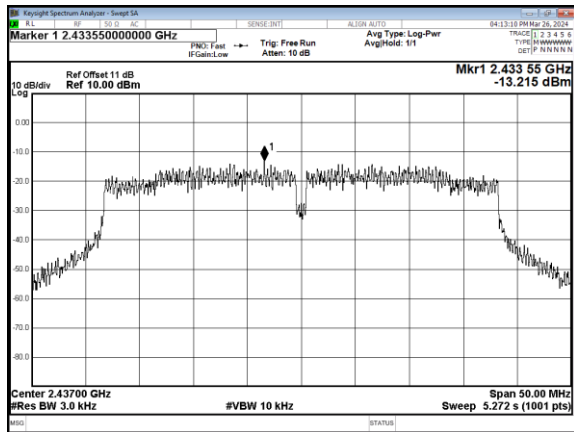


Modulation Type: 802.11n HT20  
CH01Modulation Type: 802.11n HT40  
CH03

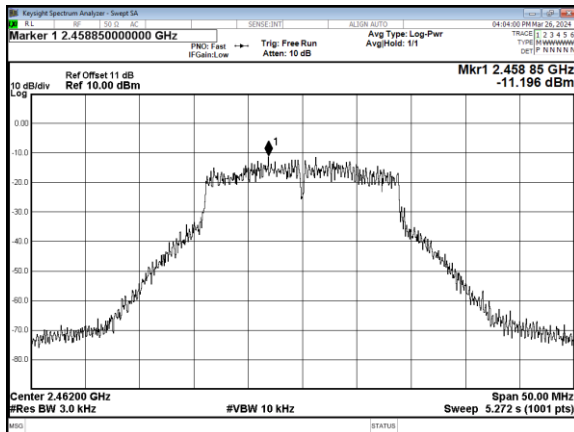
## CH06



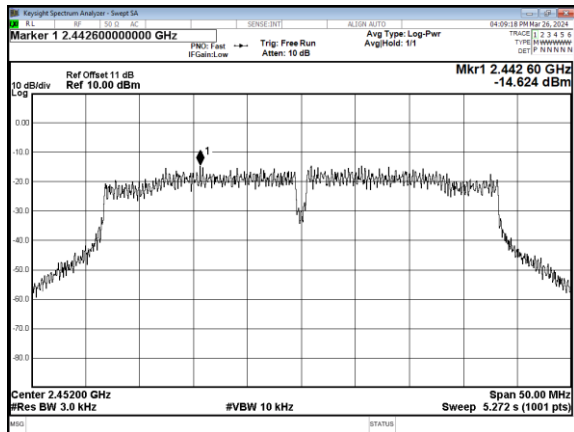
## CH06

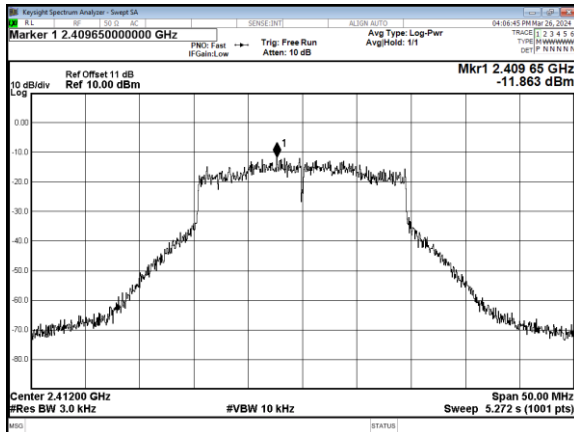
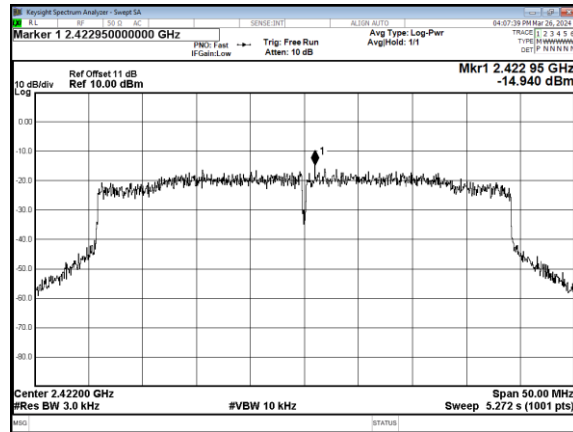


## CH11

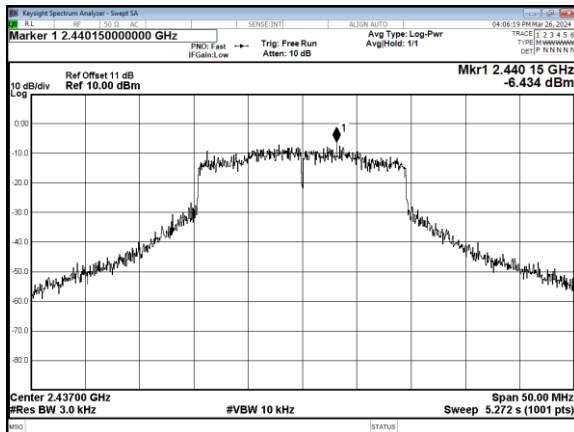


## CH09

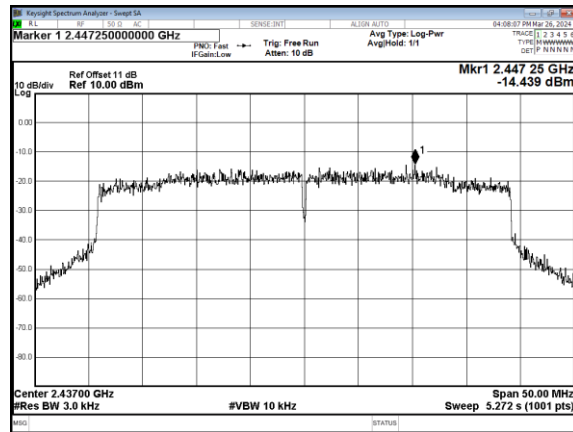


Modulation Type: 802.11ax HE20  
CH01Modulation Type: 802.11ax HE40  
CH03

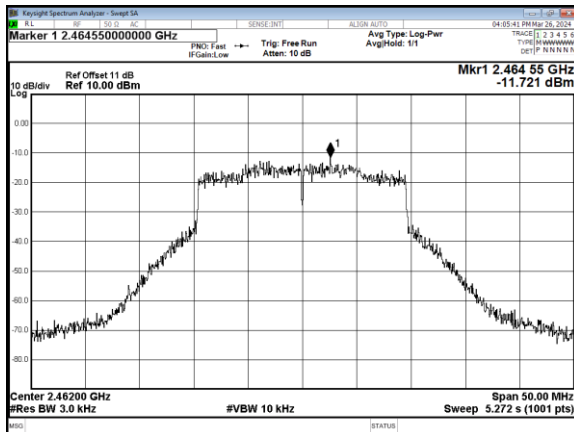
## CH06



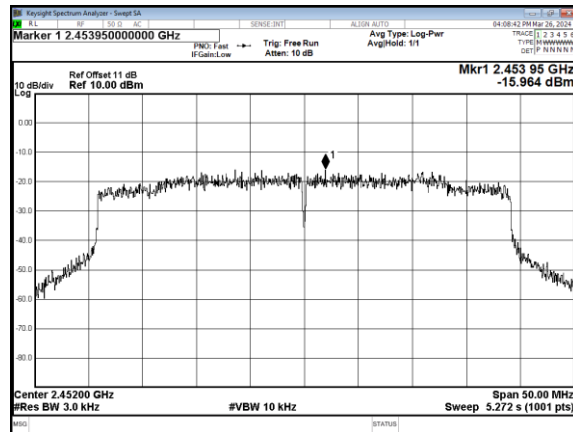
## CH06



## CH11

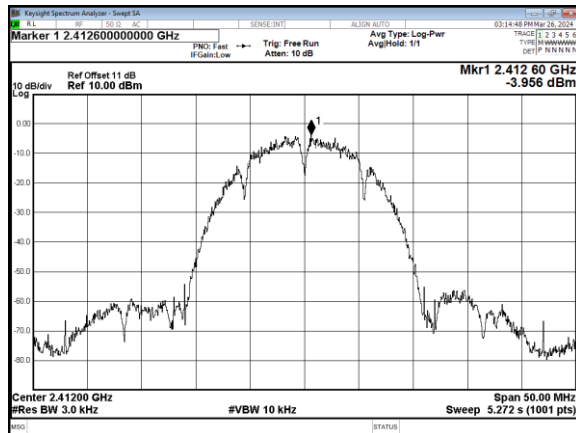


## CH09

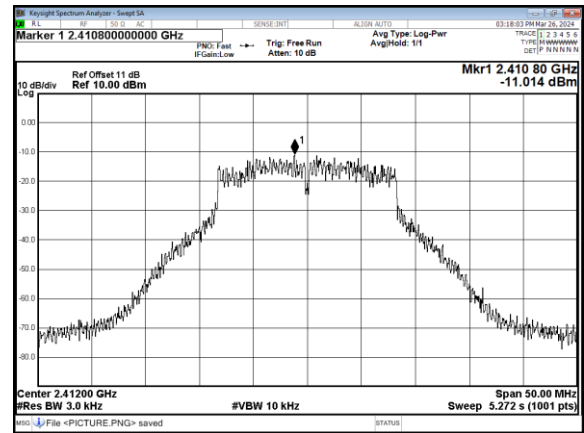




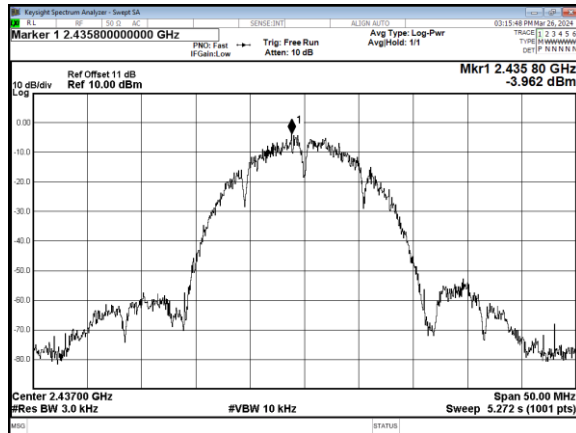
**MIMO (ANT B)**  
Modulation Type: 802.11b  
CH01



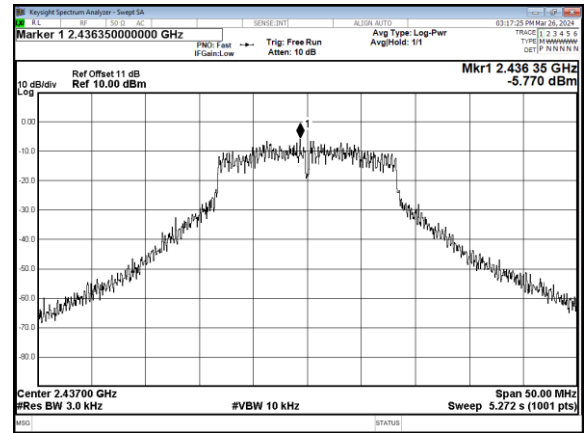
Modulation Type: 802.11g  
CH01



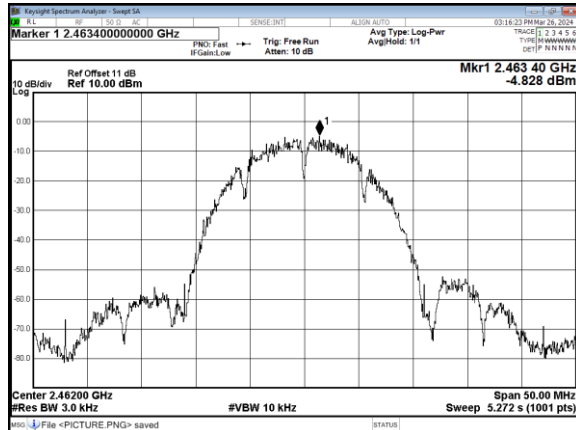
CH06



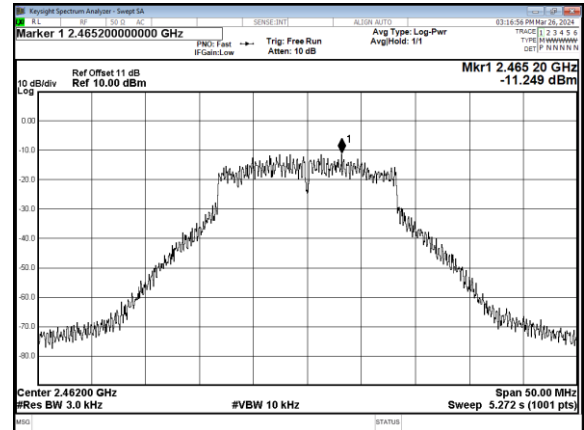
CH06

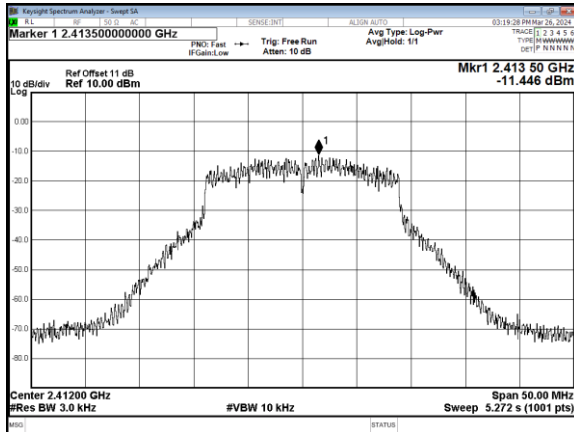
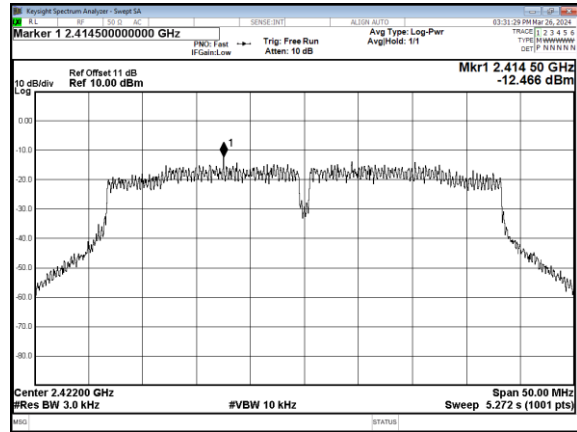


CH11

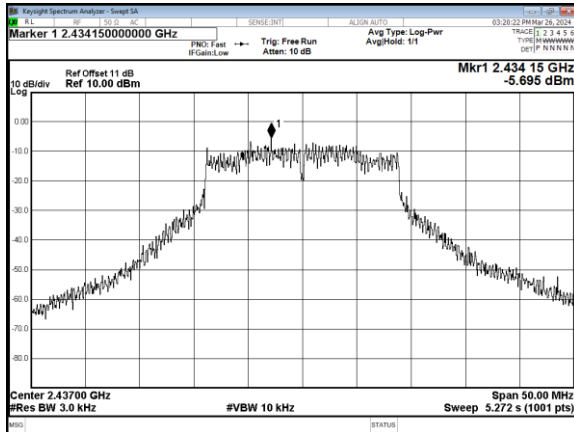


CH11

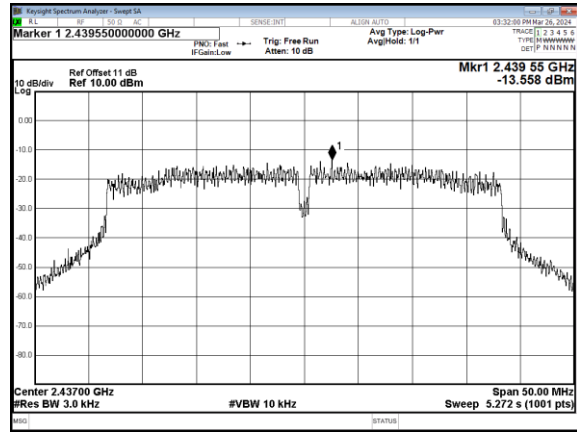


Modulation Type: 802.11n HT20  
CH01Modulation Type: 802.11n HT40  
CH03

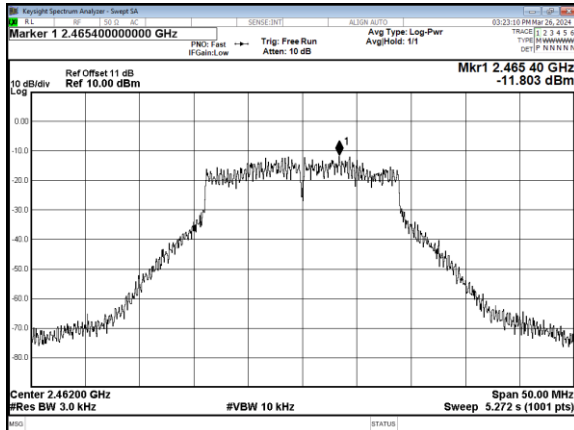
## CH06



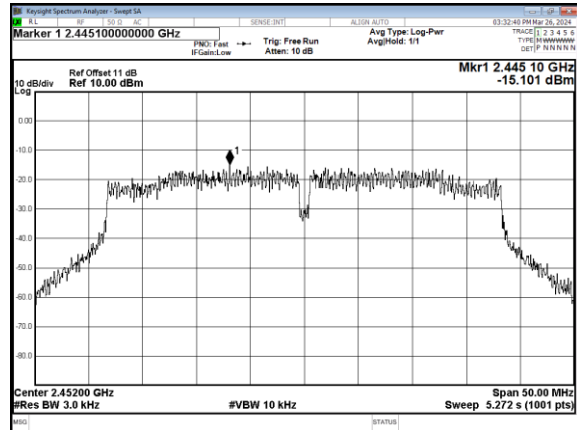
## CH06

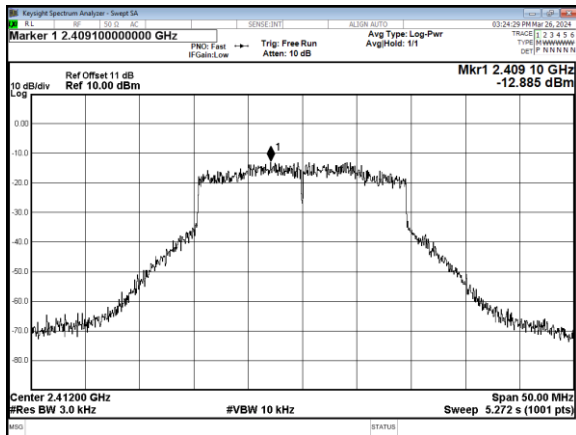
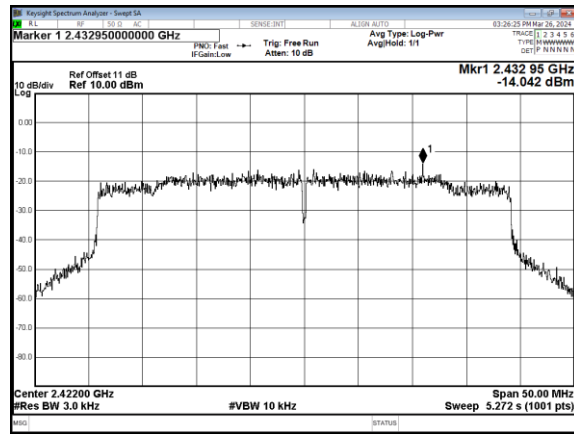


## CH11

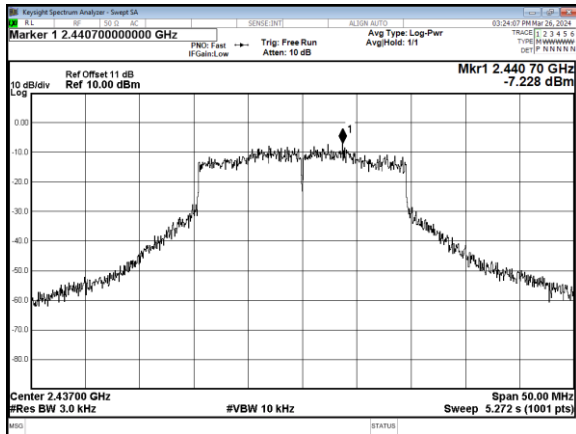


## CH09

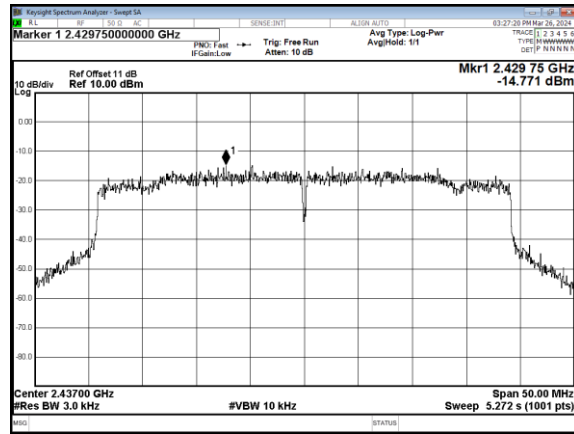


Modulation Type: 802.11ax HE20  
CH01Modulation Type: 802.11ax HE40  
CH03

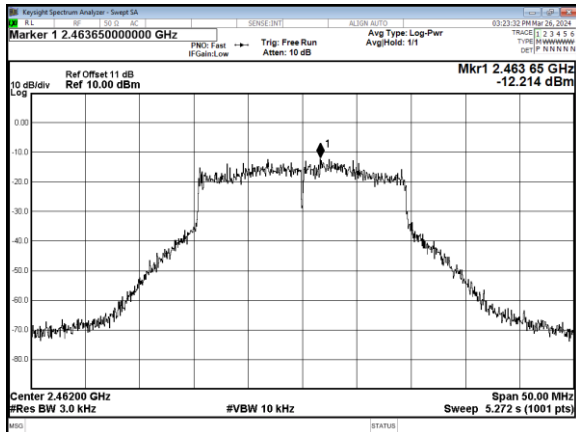
## CH06



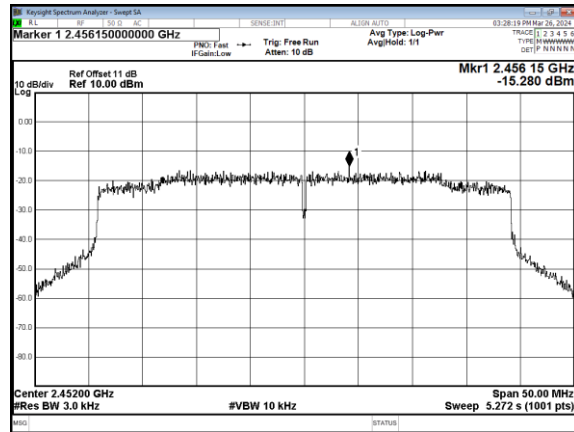
## CH06



## CH11



## CH09



----- End of the report -----