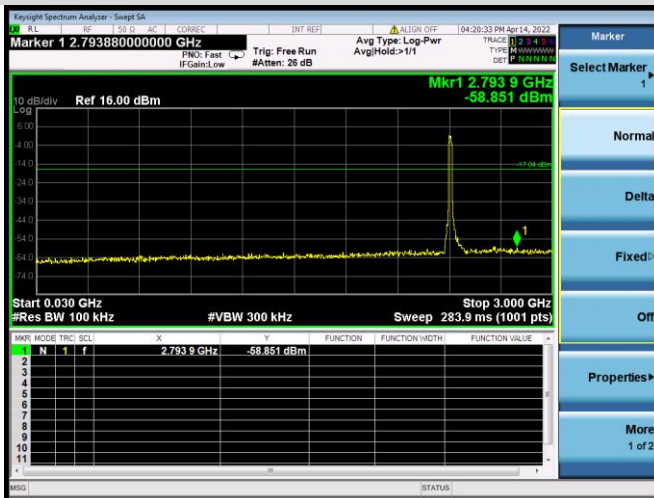


## 802.11g CHANNEL 1, SPURIOUS 30 MHz ~ 3 GHz



## 802.11g CHANNEL 1, SPURIOUS 2 GHz ~ 25 GHz



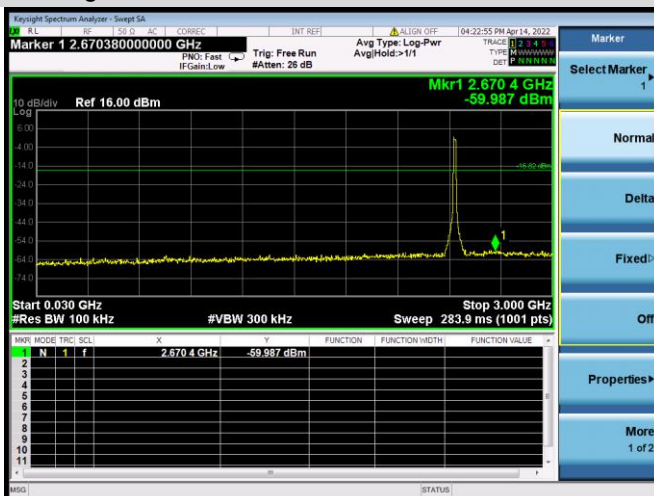
## 802.11g CHANNEL 6 CARRIER LEVEL



## 802.11g CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



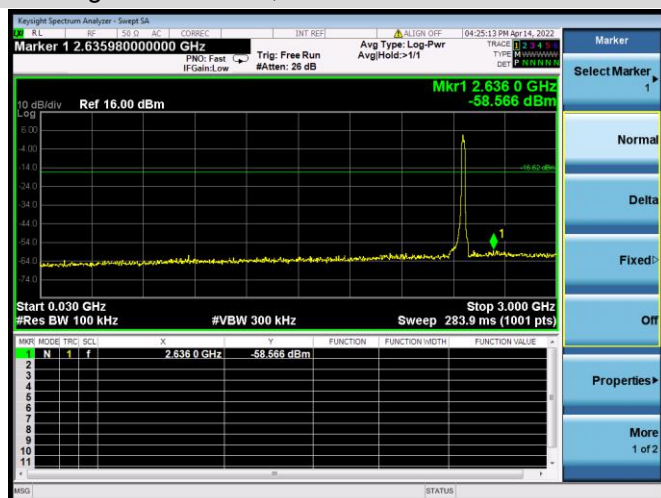
## 802.11g CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



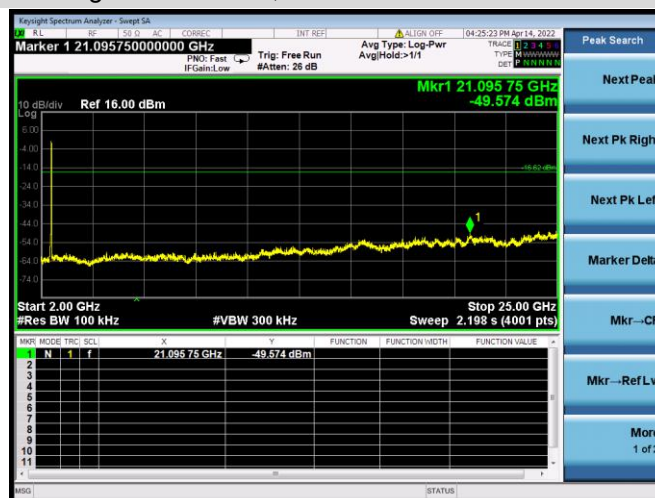
## 802.11g CHANNEL 11 CARRIER LEVEL



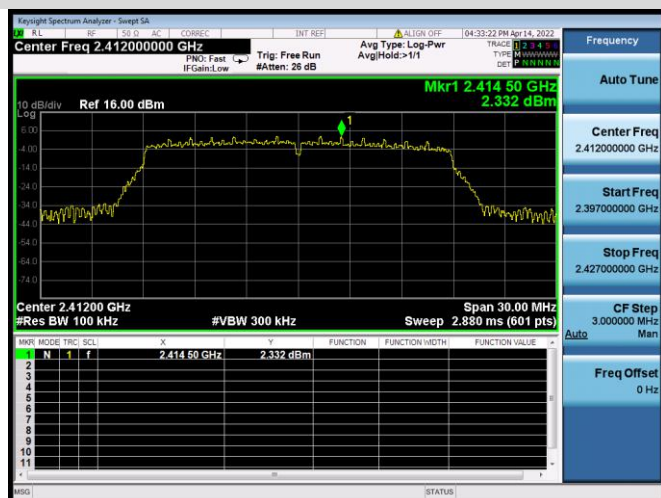
## 802.11g CHANNEL 11, SPURIOUS 30 MHz ~ 3 GHz



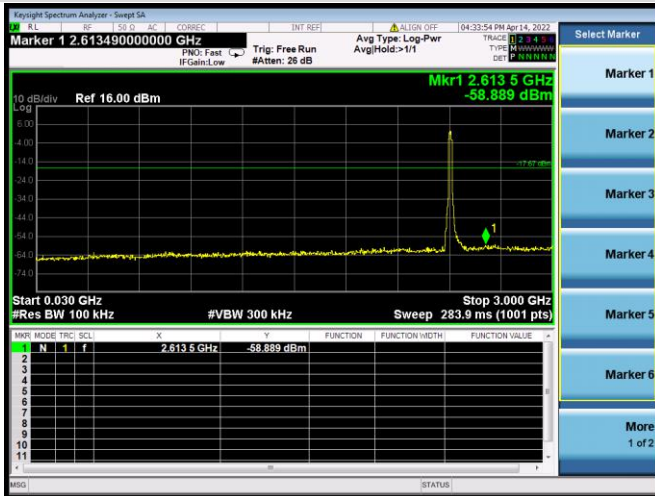
## 802.11g CHANNEL 11, SPURIOUS 2 GHz ~ 25 GHz



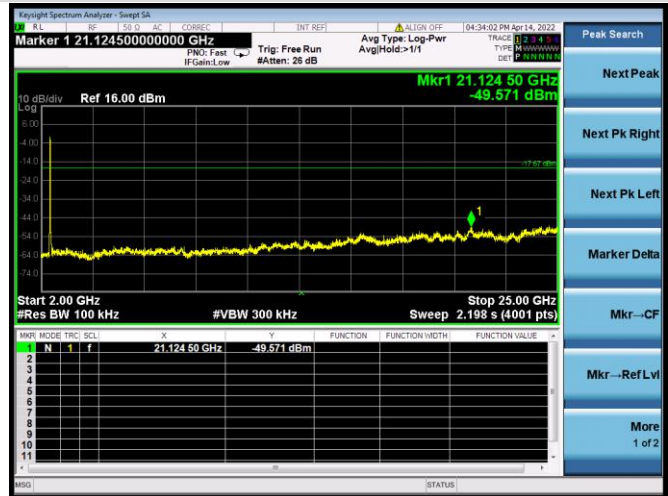
## 802.11n-20 MHz CHANNEL 1 CARRIER LEVEL



### 802.11n-20 MHz CHANNEL 1, SPURIOUS 30 MHz ~ 3 GHz



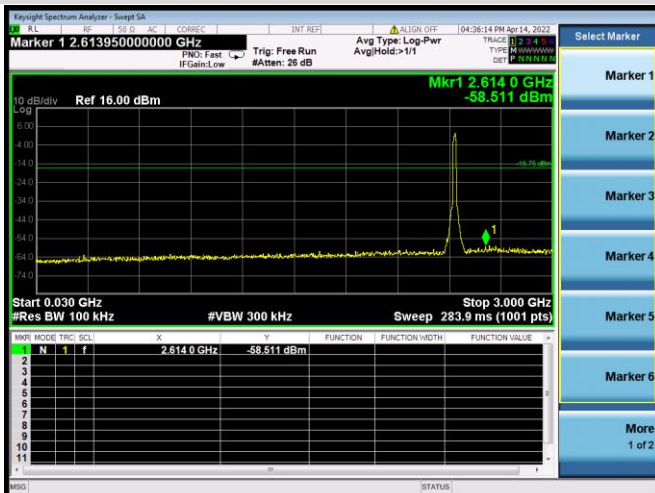
### 802.11n-20 MHz CHANNEL 1, SPURIOUS 2 GHz ~ 25 GHz



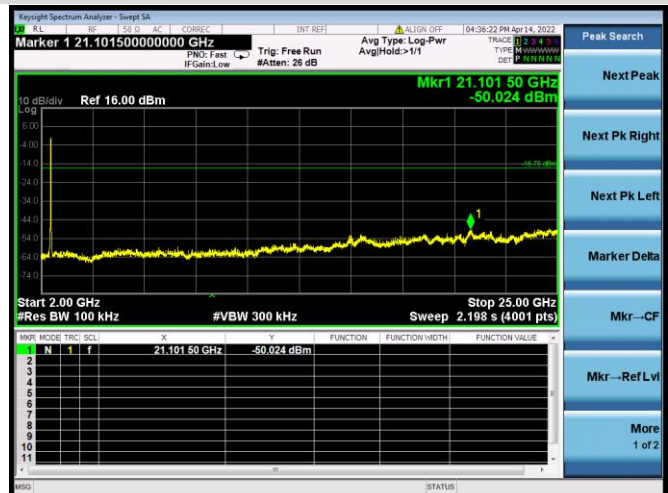
### 802.11n-20 MHz CHANNEL 6 CARRIER LEVEL



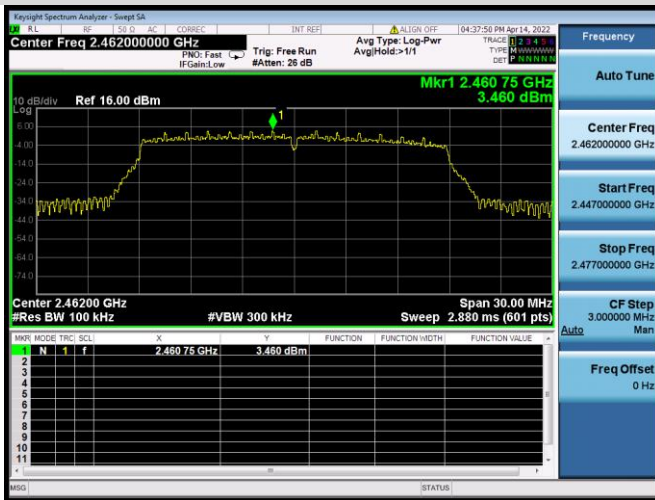
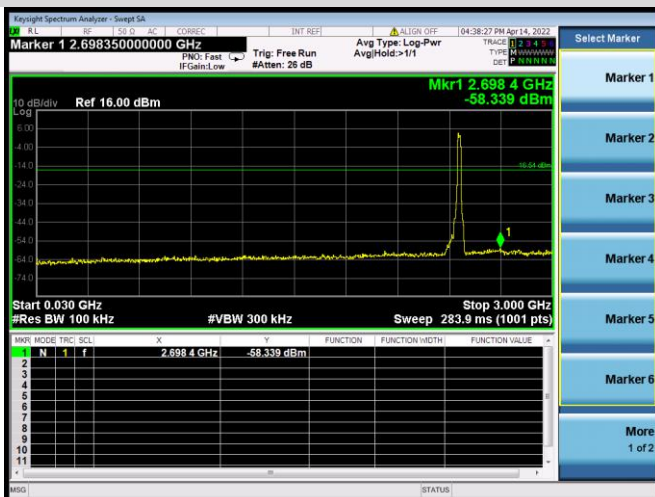
### 802.11n-20 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



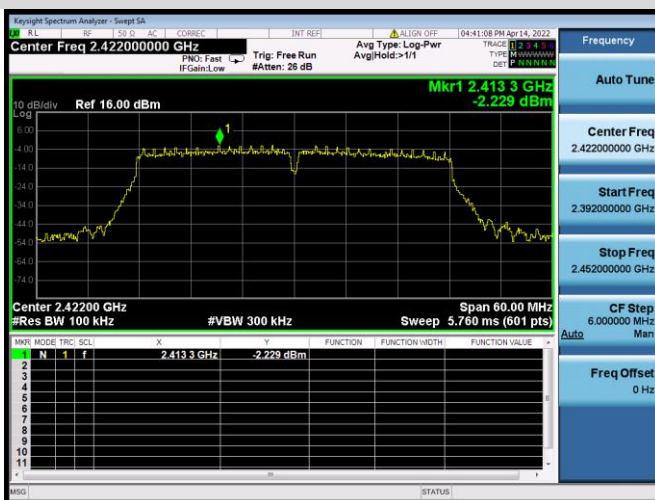
### 802.11n-20 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



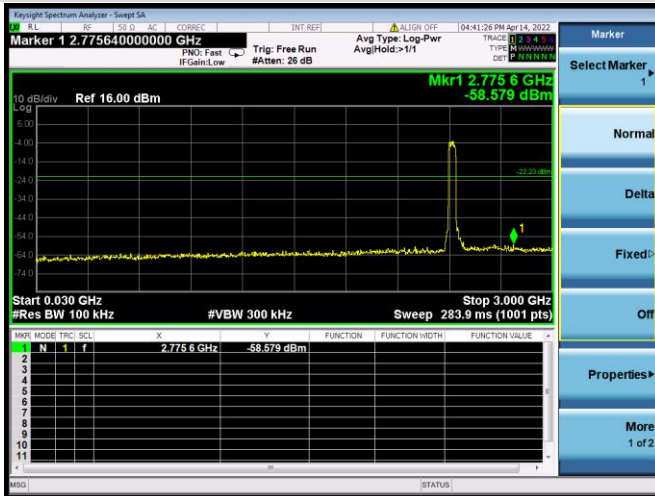
## 802.11n-20 MHz CHANNEL 11 CARRIER LEVEL

802.11n-20 MHz CHANNEL 11, SPURIOUS  
30 MHz ~ 3 GHz802.11n-20 MHz CHANNEL 11, SPURIOUS  
2 GHz ~ 25 GHz

## 802.11n-40 MHz CHANNEL 3 CARRIER LEVEL



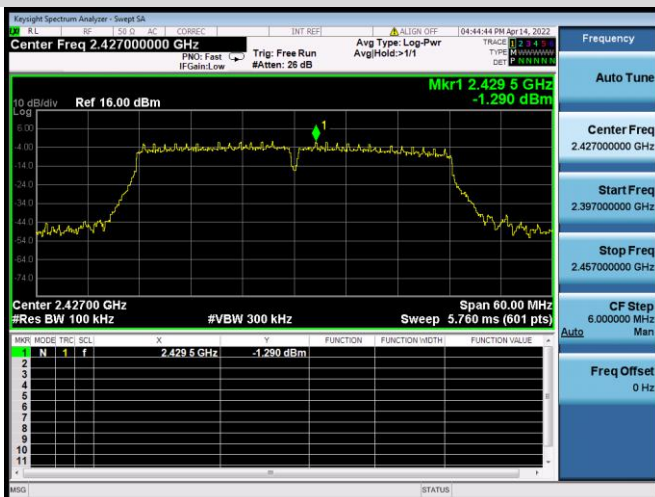
### 802.11n-40 MHz CHANNEL 3, SPURIOUS 30 MHz ~ 3 GHz



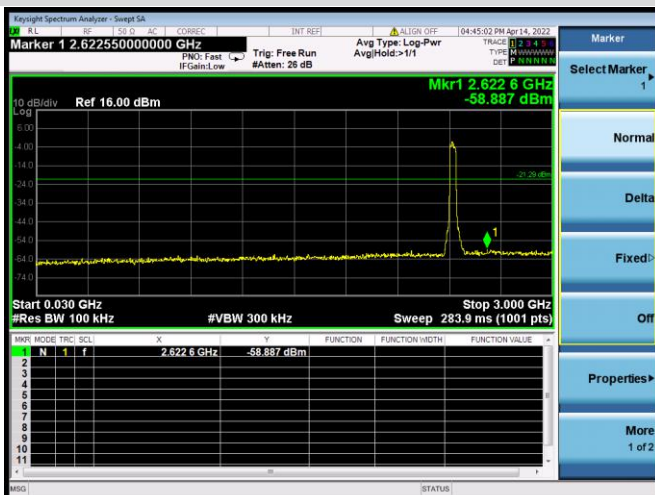
### 802.11n-40 MHz CHANNEL 3, SPURIOUS 2 GHz ~ 25 GHz



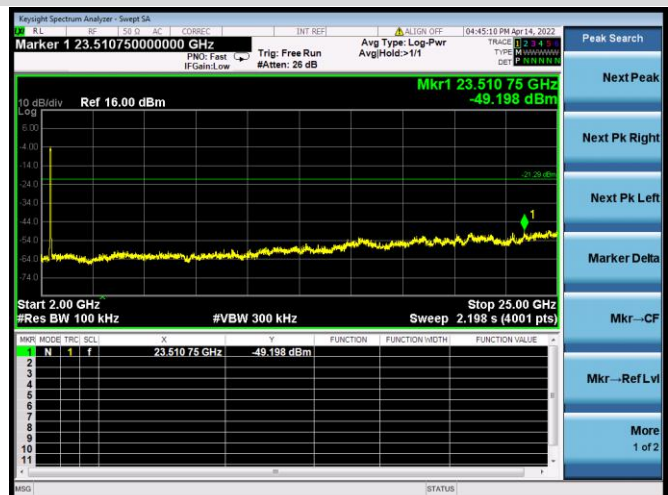
### 802.11n-40 MHz CHANNEL 4 CARRIER LEVEL



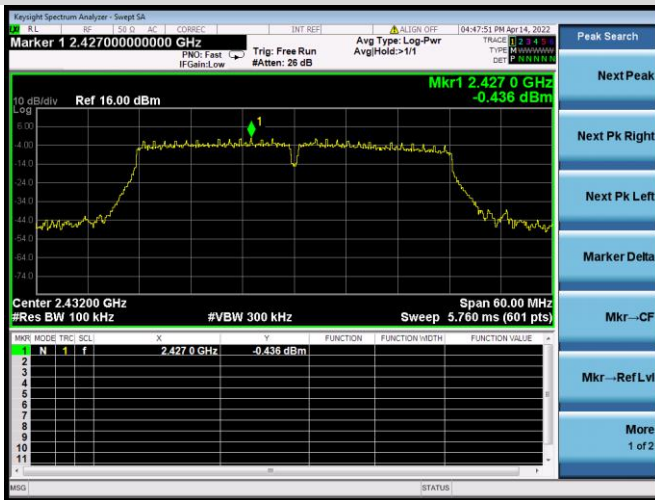
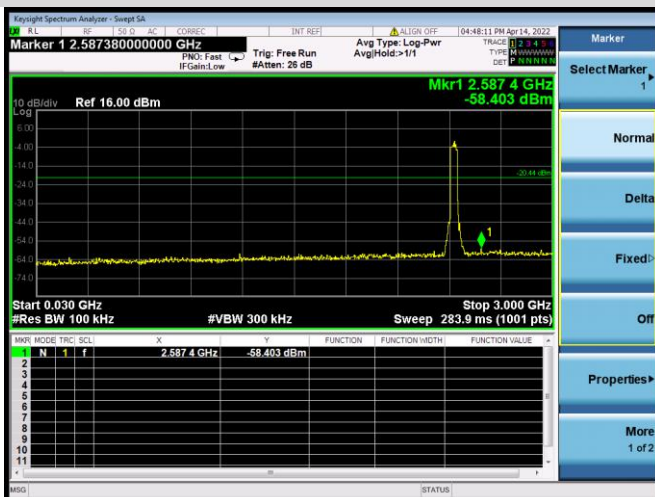
### 802.11n-40 MHz CHANNEL 4, SPURIOUS 30 MHz ~ 3 GHz



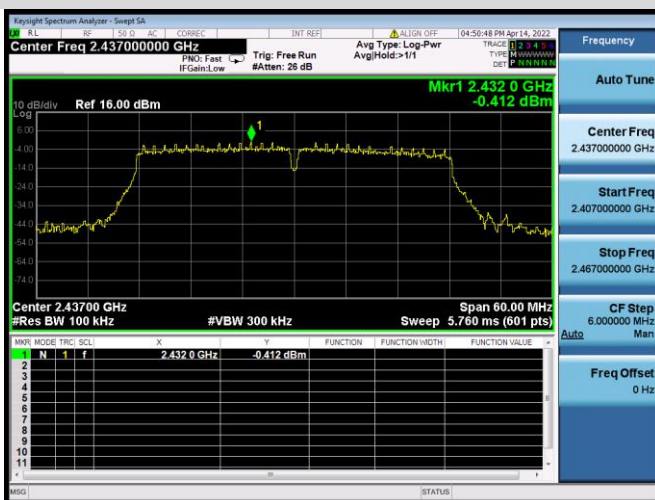
### 802.11n-40 MHz CHANNEL 4, SPURIOUS 2 GHz ~ 25 GHz



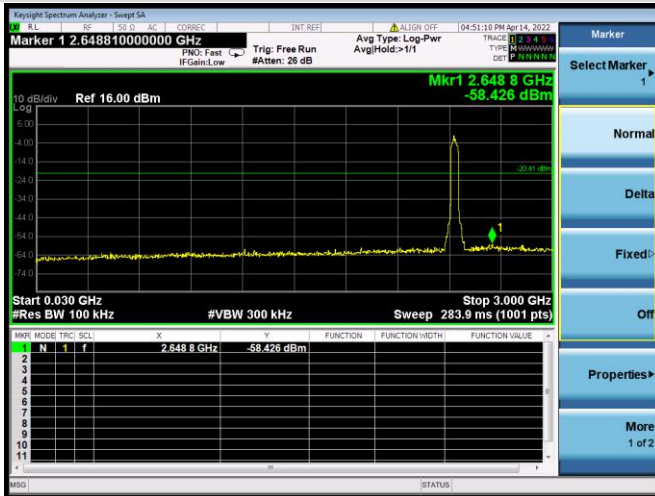
## 802.11n-40 MHz CHANNEL 5 CARRIER LEVEL

802.11n-40 MHz CHANNEL 5, SPURIOUS  
30 MHz ~ 3 GHz802.11n-40 MHz CHANNEL 5, SPURIOUS  
2 GHz ~ 25 GHz

## 802.11n-40 MHz CHANNEL 6 CARRIER LEVEL



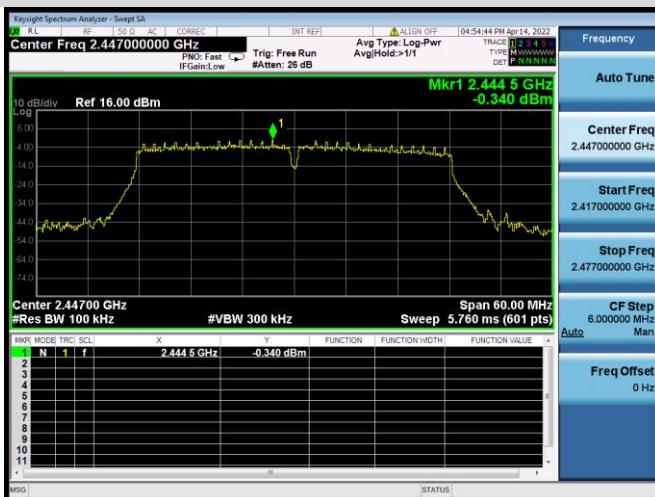
### 802.11n-40 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



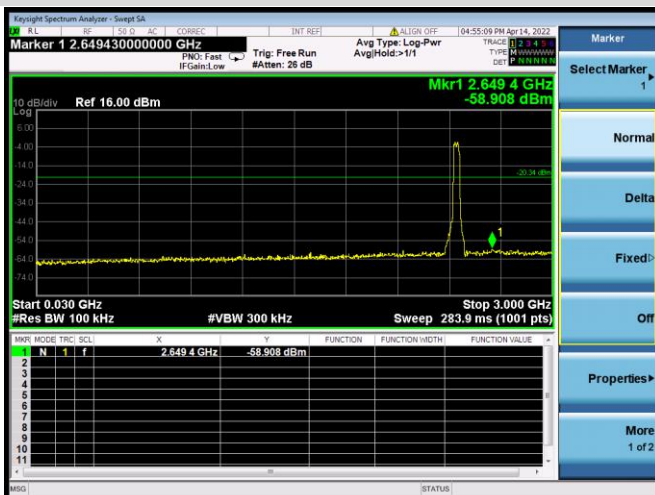
### 802.11n-40 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



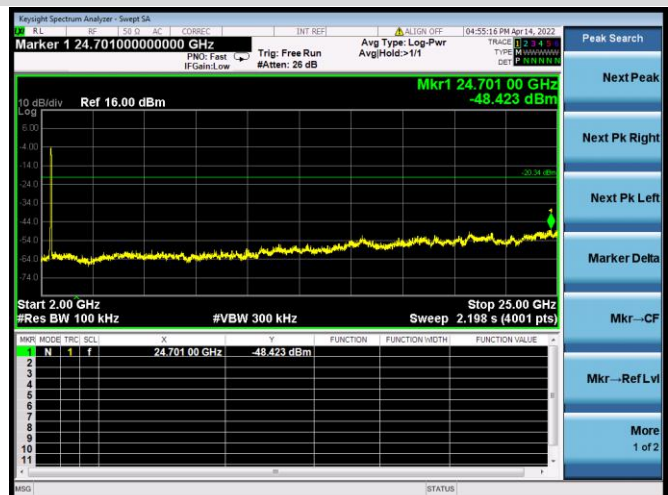
### 802.11n-40 MHz CHANNEL 8 CARRIER LEVEL



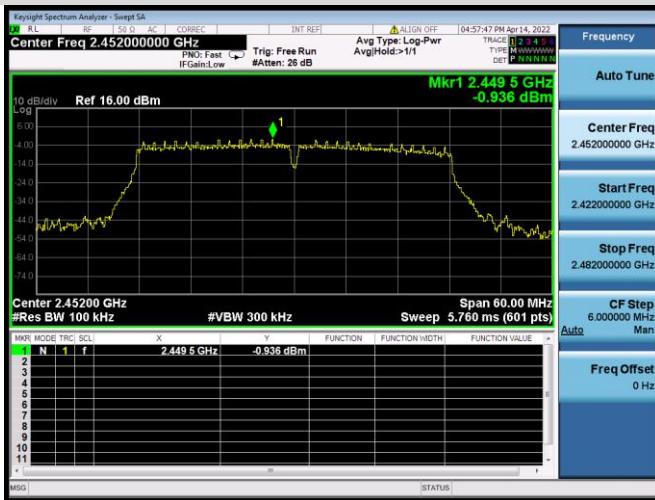
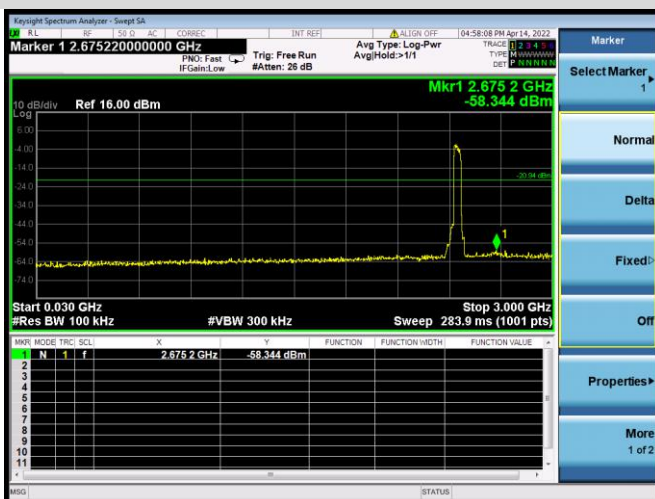
### 802.11n-40 MHz CHANNEL 8, SPURIOUS 30 MHz ~ 3 GHz



### 802.11n-40 MHz CHANNEL 8, SPURIOUS 2 GHz ~ 25 GHz



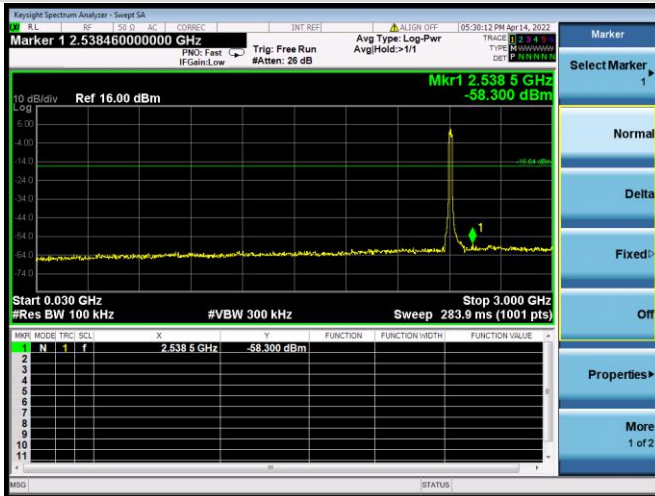
## 802.11n-40 MHz CHANNEL 9 CARRIER LEVEL

802.11n-40 MHz CHANNEL 9, SPURIOUS  
30 MHz ~ 3 GHz802.11n-40 MHz CHANNEL 9, SPURIOUS  
2 GHz ~ 25 GHz

## VHT-20 MHz CHANNEL 1 CARRIER LEVEL



### VHT-20 MHz CHANNEL 1, SPURIOUS 30 MHz ~ 3 GHz



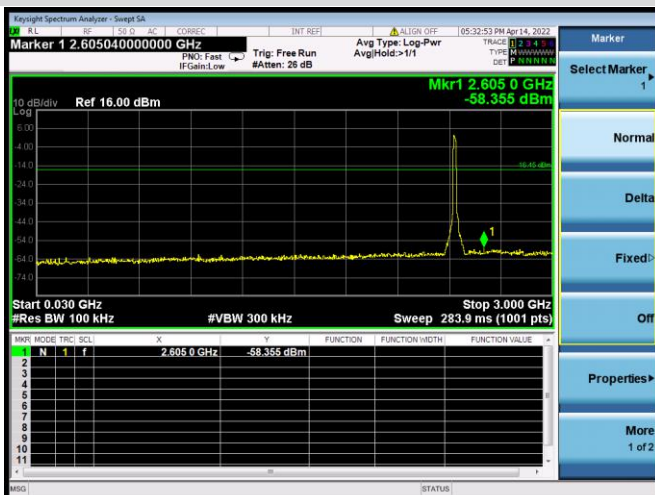
### VHT-20 MHz CHANNEL 1, SPURIOUS 2 GHz ~ 25 GHz



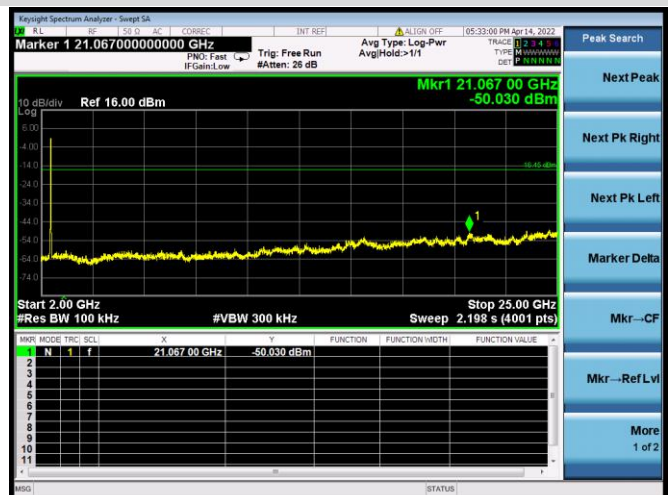
### VHT-20 MHz CHANNEL 6 CARRIER LEVEL



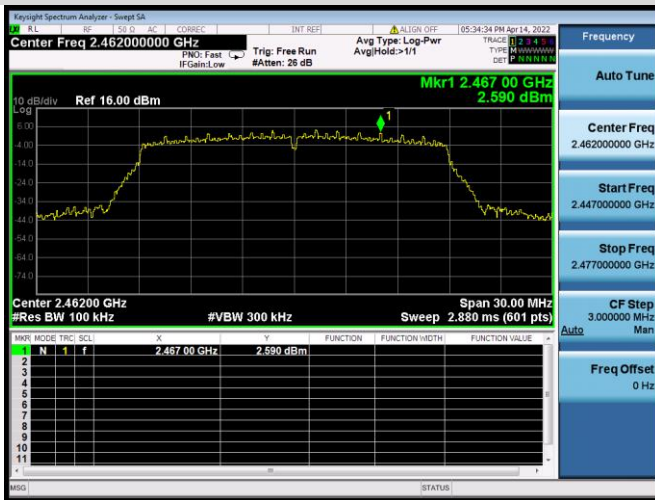
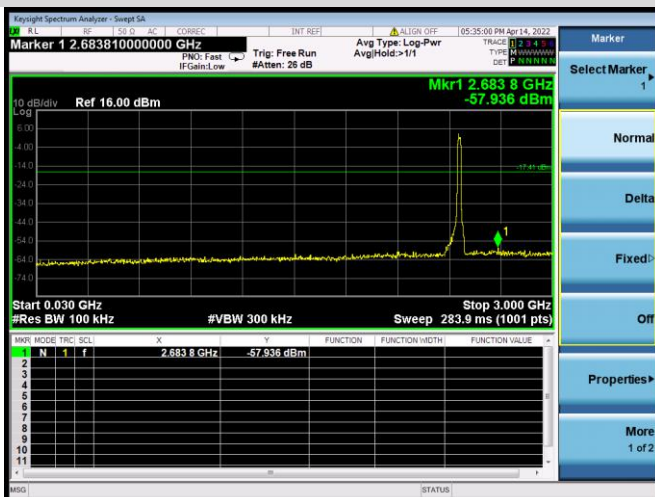
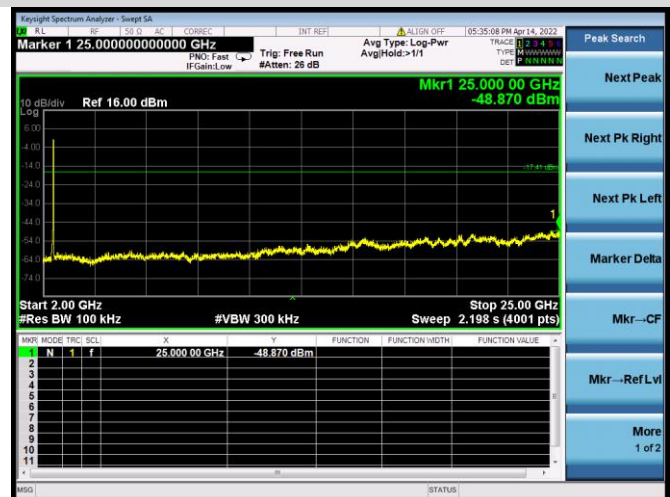
### VHT-20 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



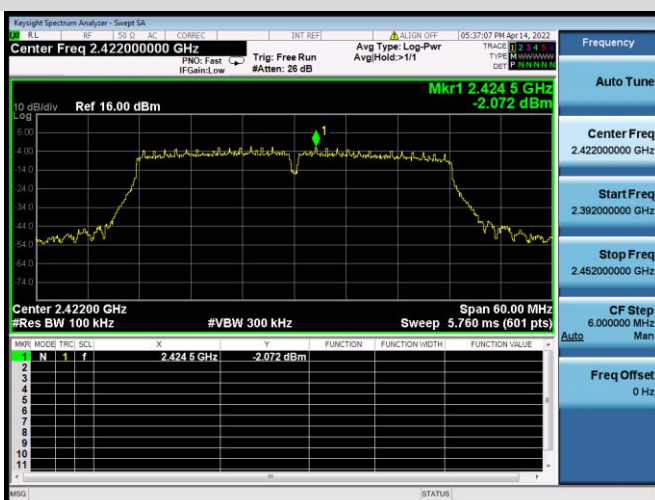
### VHT-20 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



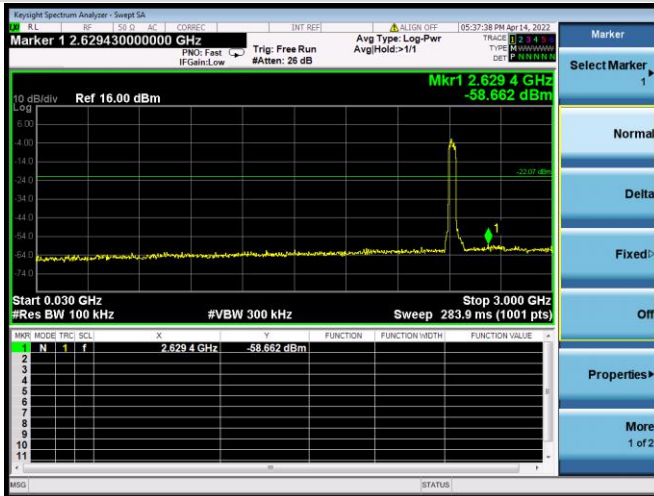
## VHT-20 MHz CHANNEL 11 CARRIER LEVEL

VHT-20 MHz CHANNEL 11, SPURIOUS  
30 MHz ~ 3 GHzVHT-20 MHz CHANNEL 11, SPURIOUS  
2 GHz ~ 25 GHz

## VHT-40 MHz CHANNEL 3 CARRIER LEVEL



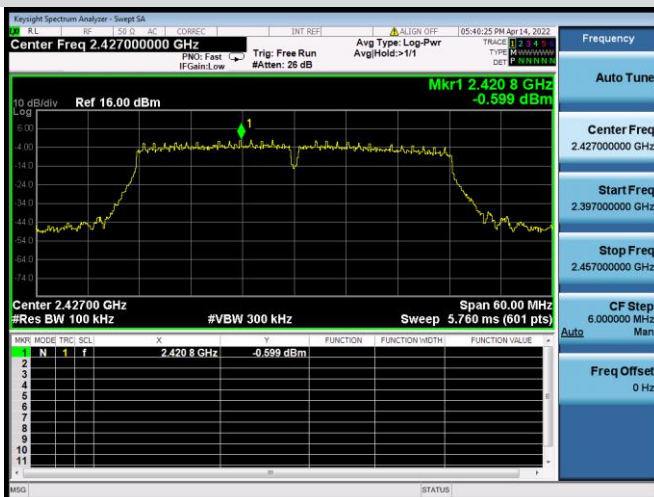
### VHT-40 MHz CHANNEL 3, SPURIOUS 30 MHz ~ 3 GHz



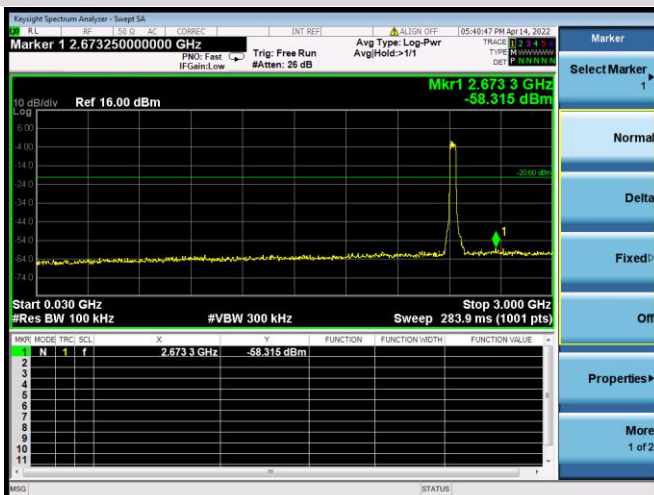
### VHT-40 MHz CHANNEL 3, SPURIOUS 2 GHz ~ 25 GHz



### VHT-40 MHz CHANNEL 4 CARRIER LEVEL



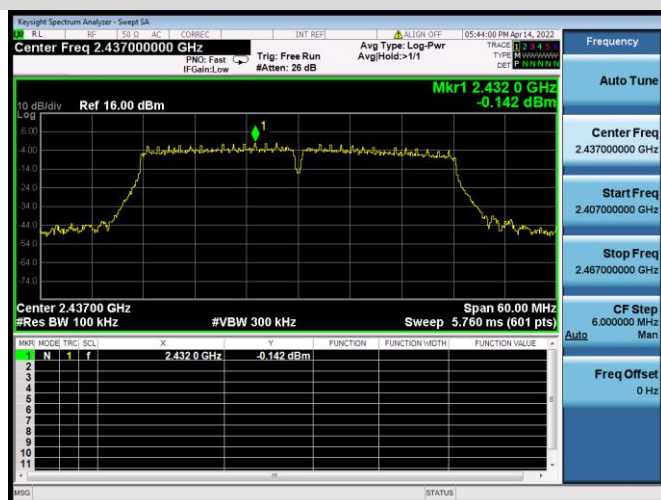
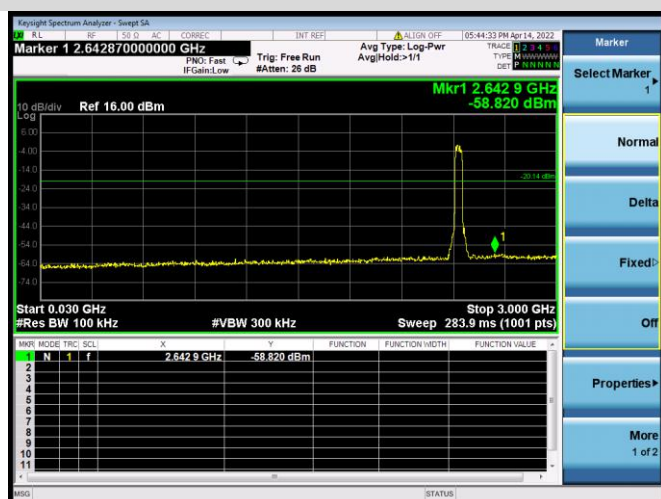
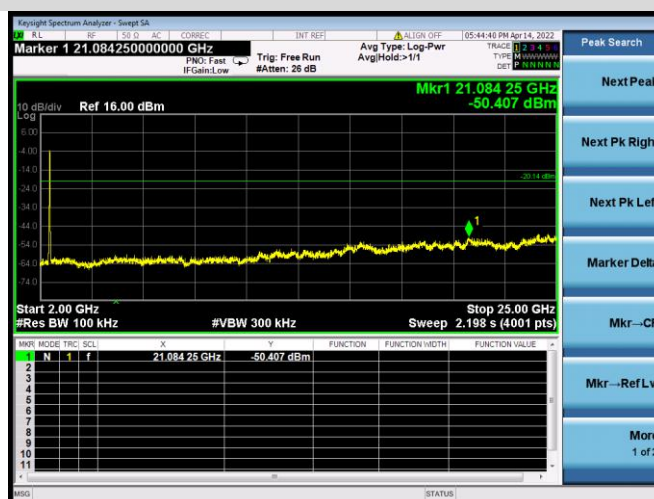
### VHT-40 MHz CHANNEL 4, SPURIOUS 30 MHz ~ 3 GHz



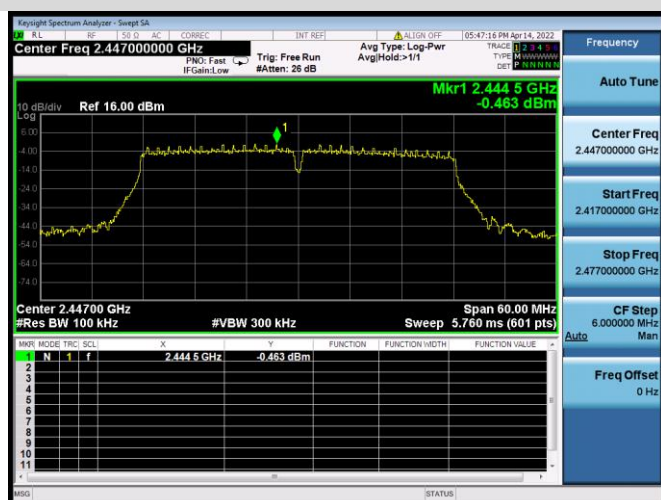
### VHT-40 MHz CHANNEL 4, SPURIOUS 2 GHz ~ 25 GHz



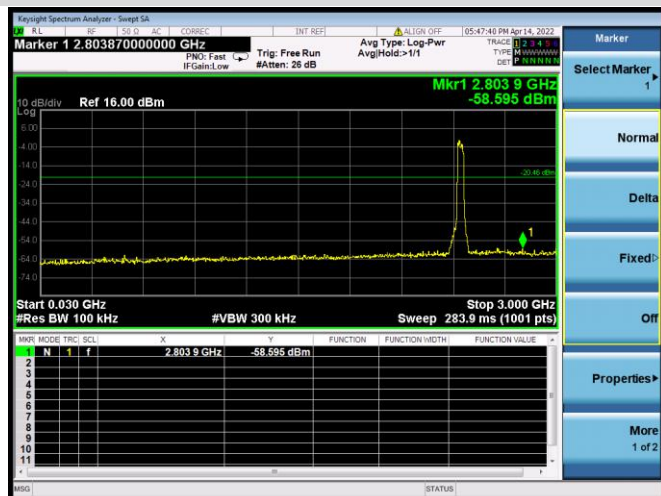
## VHT-40 MHz CHANNEL 6 CARRIER LEVEL

VHT-40 MHz CHANNEL 6, SPURIOUS  
30 MHz ~ 3 GHzVHT-40 MHz CHANNEL 6, SPURIOUS  
2 GHz ~ 25 GHz

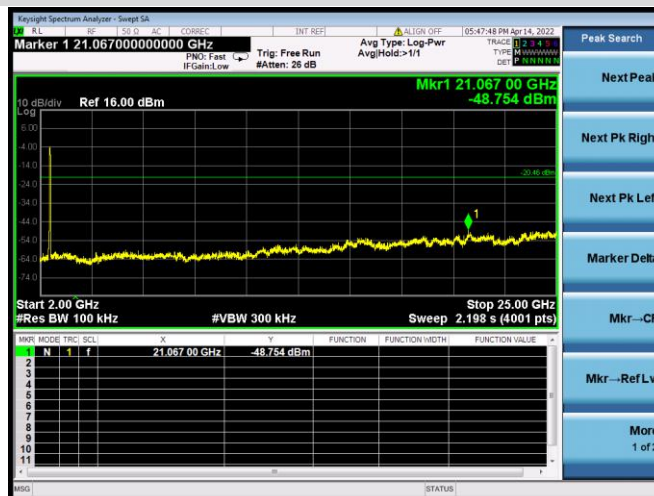
## VHT-40 MHz CHANNEL 8 CARRIER LEVEL



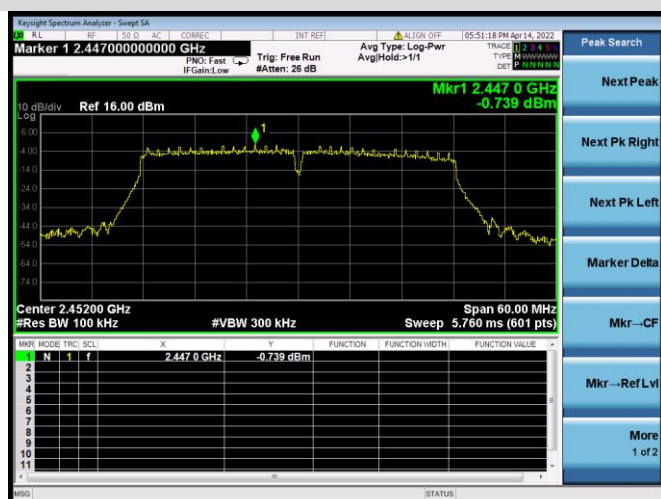
### VHT-40 MHz CHANNEL 8, SPURIOUS 30 MHz ~ 3 GHz



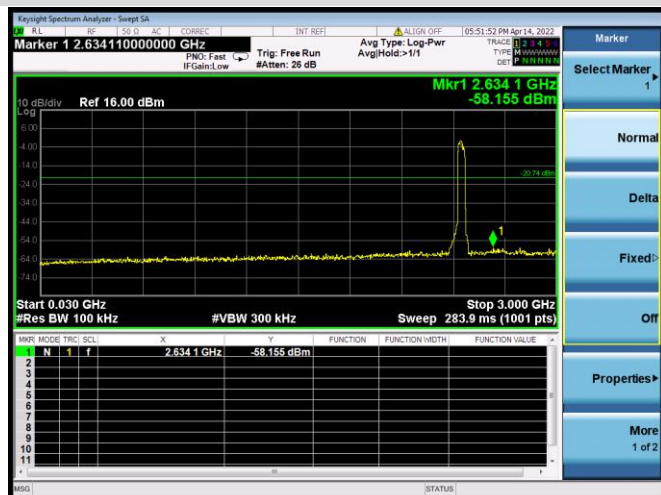
### VHT-40 MHz CHANNEL 8, SPURIOUS 2 GHz ~ 25 GHz



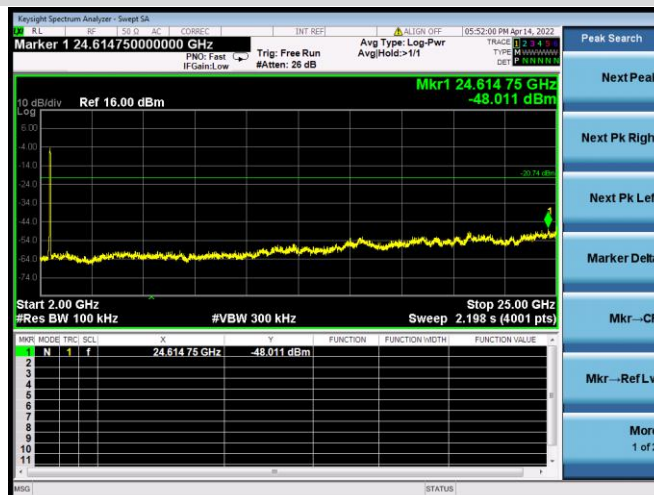
### VHT-40 MHz CHANNEL 9 CARRIER LEVEL



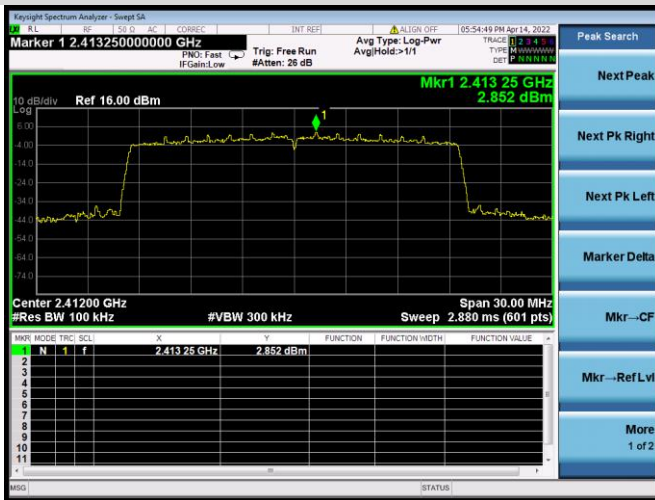
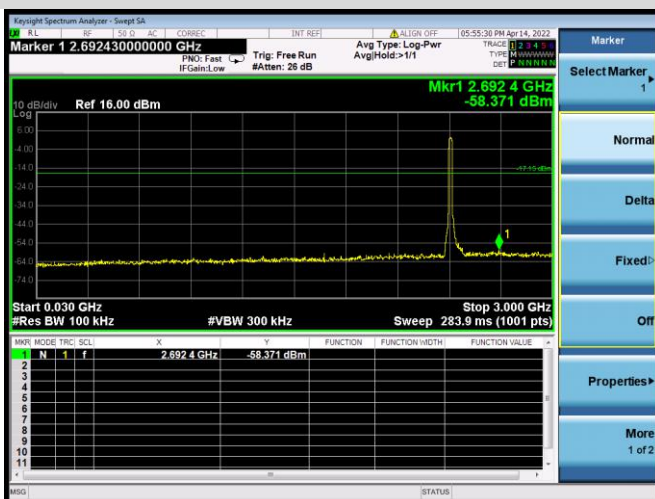
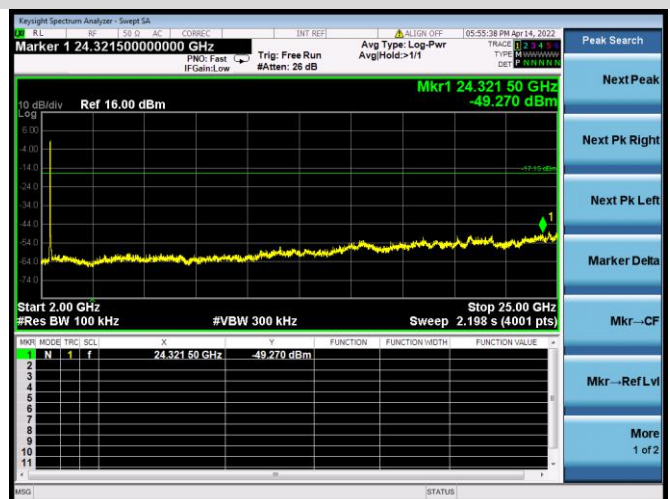
### VHT-40 MHz CHANNEL 9, SPURIOUS 30 MHz ~ 3 GHz



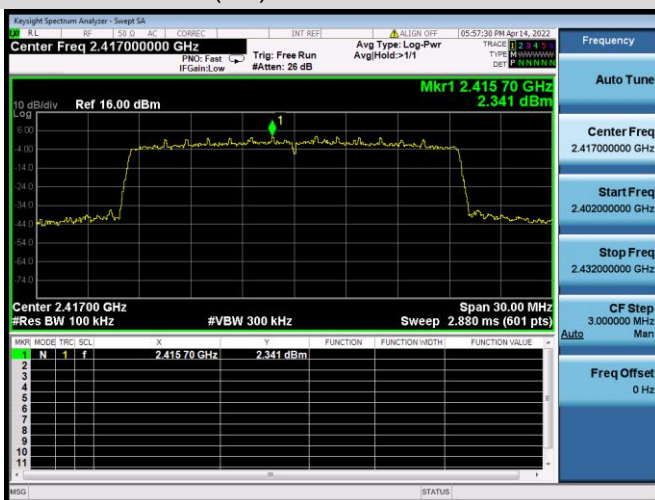
### VHT-40 MHz CHANNEL 9, SPURIOUS 2 GHz ~ 25 GHz



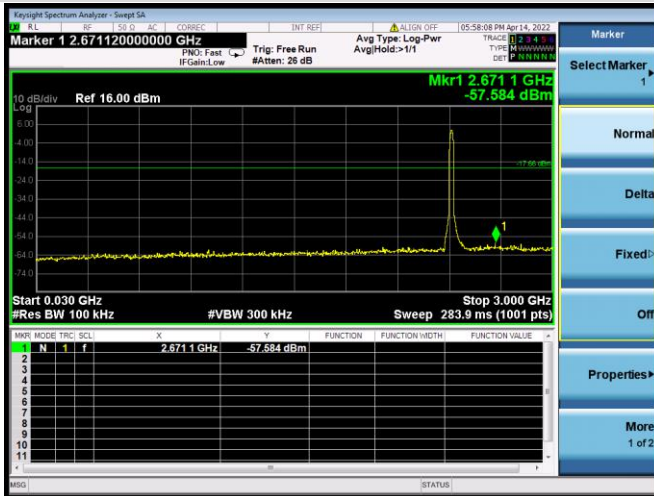
## 802.11ax-20 MHz(SU) CHANNEL 1 CARRIER LEVEL

802.11ax-20 MHz(SU) CHANNEL 1, SPURIOUS  
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) CHANNEL 1, SPURIOUS  
2 GHz ~ 25 GHz

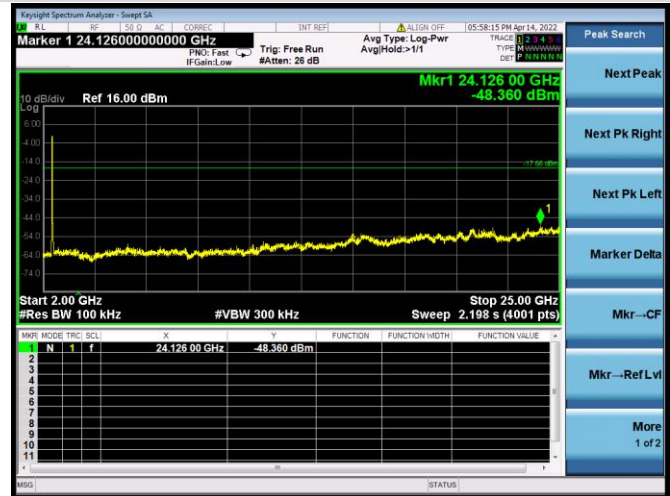
## 802.11ax-20 MHz(SU) CHANNEL 2 CARRIER LEVEL



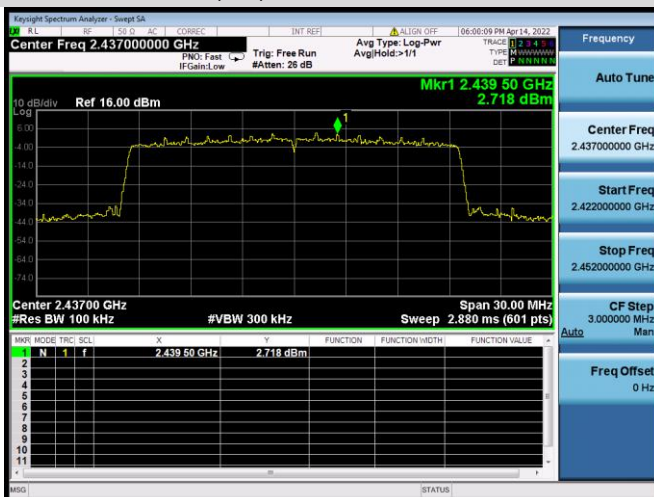
### 802.11ax-20 MHz(SU) CHANNEL 2, SPURIOUS 30 MHz ~ 3 GHz



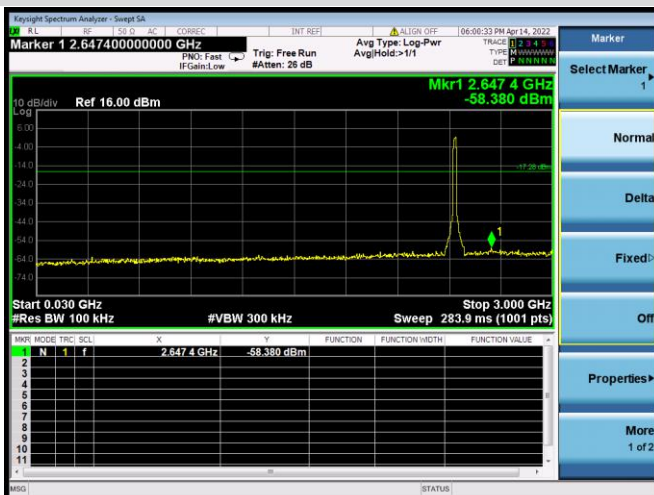
### 802.11ax-20 MHz(SU) CHANNEL 2, SPURIOUS 2 GHz ~ 25 GHz



### 802.11ax-20 MHz(SU) CHANNEL 6 CARRIER LEVEL



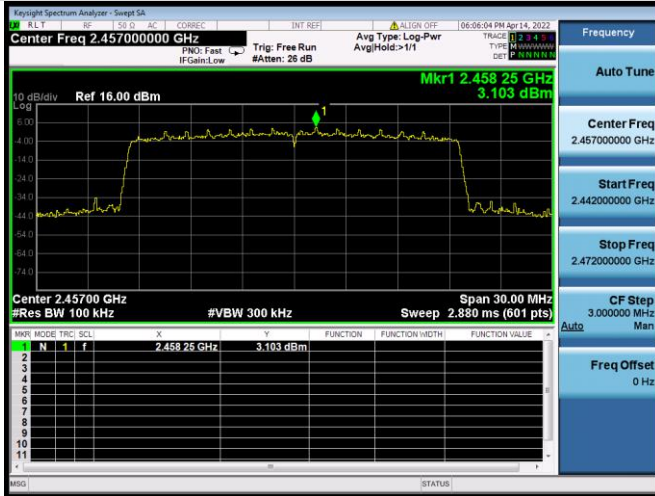
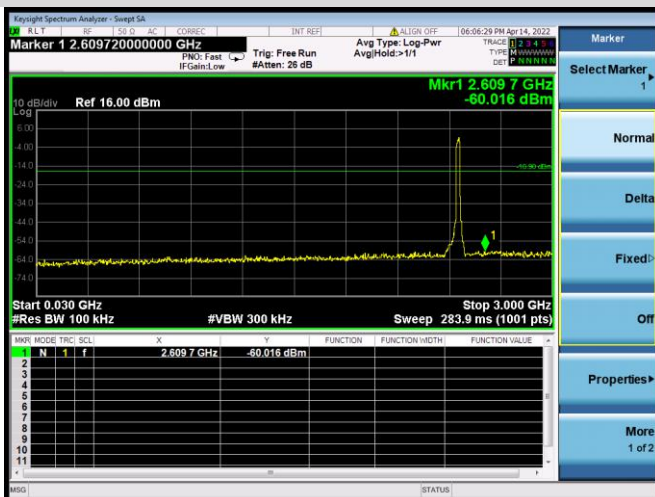
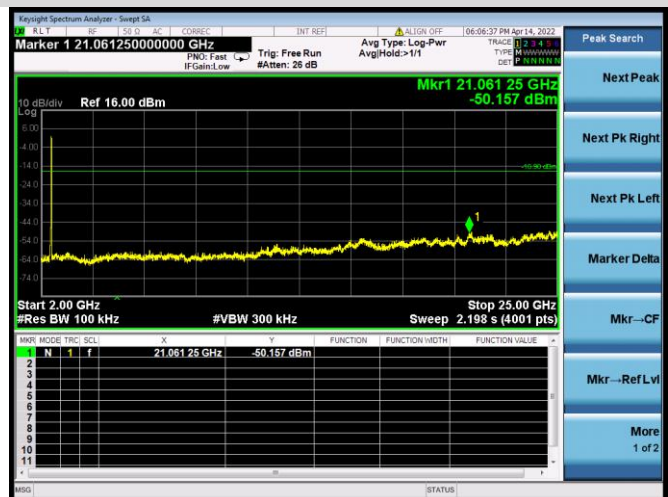
### 802.11ax-20 MHz(SU) CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



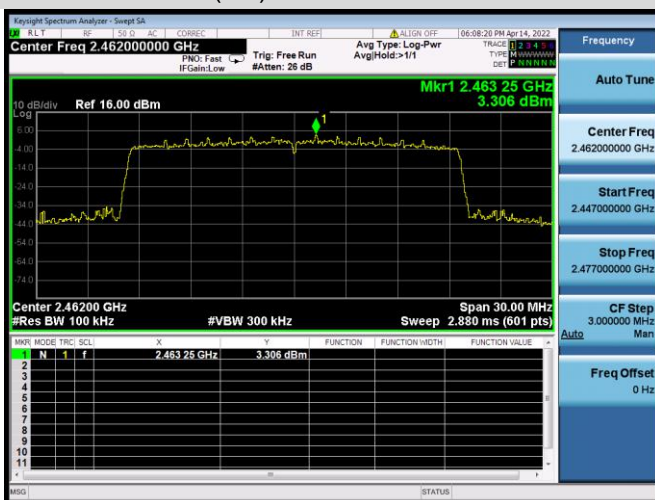
### 802.11ax-20 MHz(SU) CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



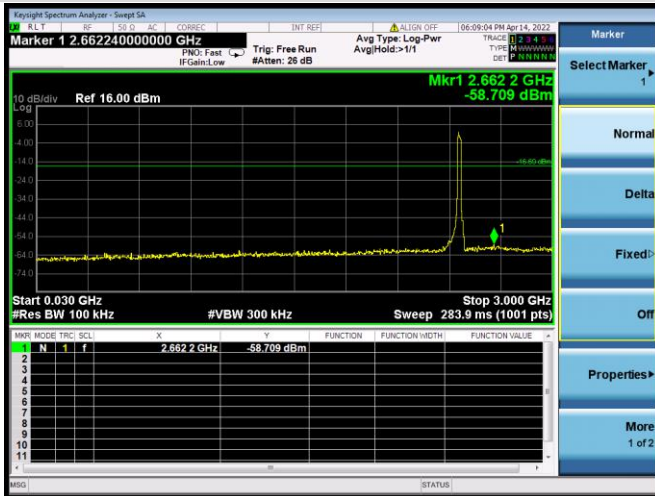
## 802.11ax-20 MHz(SU) CHANNEL 10 CARRIER LEVEL

802.11ax-20 MHz(SU) CHANNEL 10, SPURIOUS  
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) CHANNEL 10, SPURIOUS  
2 GHz ~ 25 GHz

## 802.11ax-20 MHz(SU) CHANNEL 11 CARRIER LEVEL



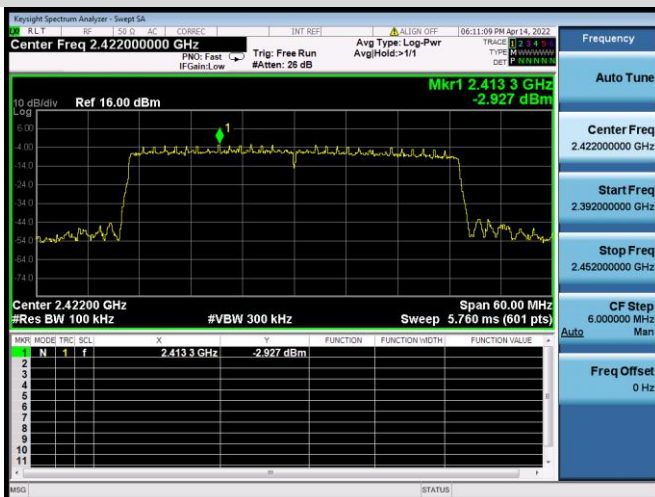
### 802.11ax-20 MHz(SU) CHANNEL 11, SPURIOUS 30 MHz ~ 3 GHz



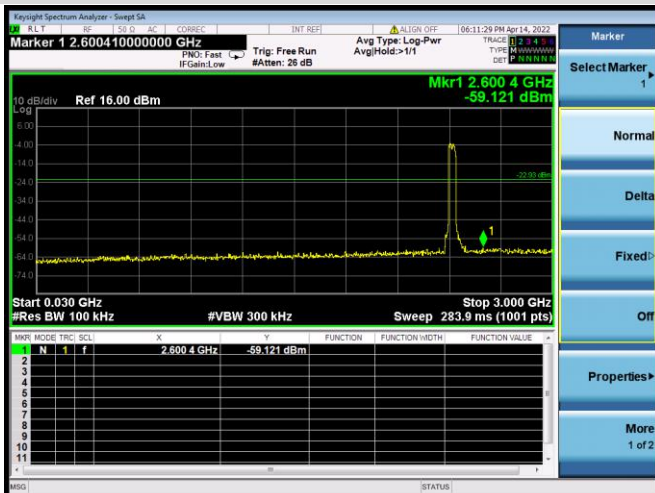
### 802.11ax-20 MHz(SU) CHANNEL 11, SPURIOUS 2 GHz ~ 25 GHz



### 802.11ax-40 MHz CHANNEL 3 CARRIER LEVEL



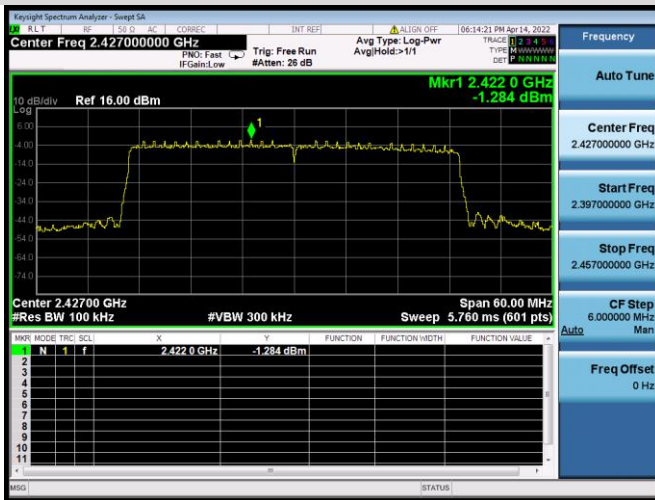
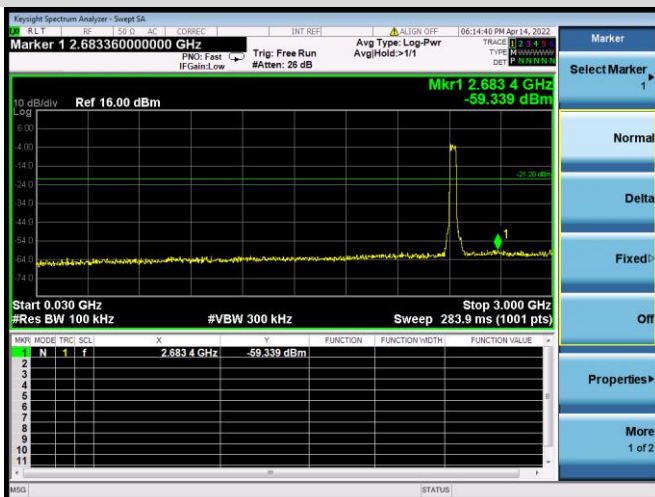
### 802.11ax-40 MHz CHANNEL 3, SPURIOUS 30 MHz ~ 3 GHz



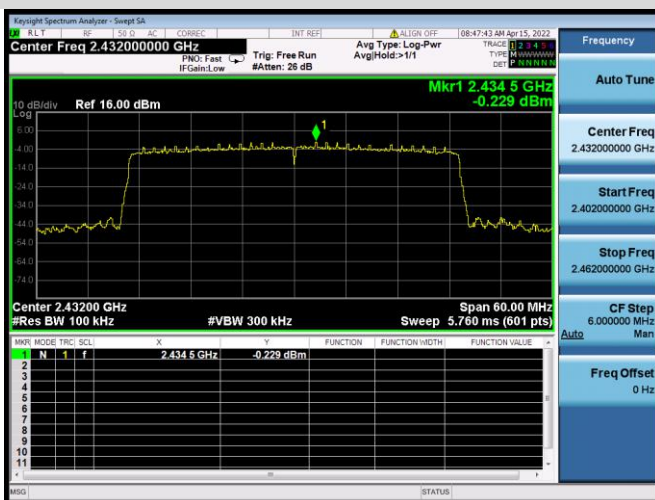
### 802.11ax-40 MHz CHANNEL 3, SPURIOUS 2 GHz ~ 25 GHz



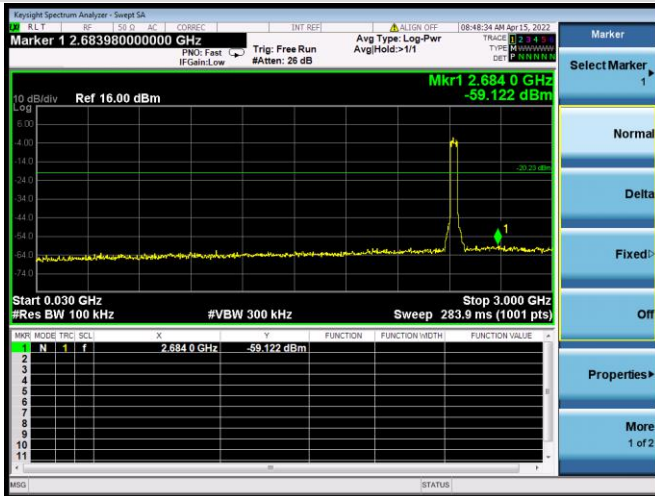
## 802.11ax-40 MHz CHANNEL 4 CARRIER LEVEL

802.11ax-40 MHz CHANNEL 4, SPURIOUS  
30 MHz ~ 3 GHz802.11ax-40 MHz CHANNEL 4, SPURIOUS  
2 GHz ~ 25 GHz

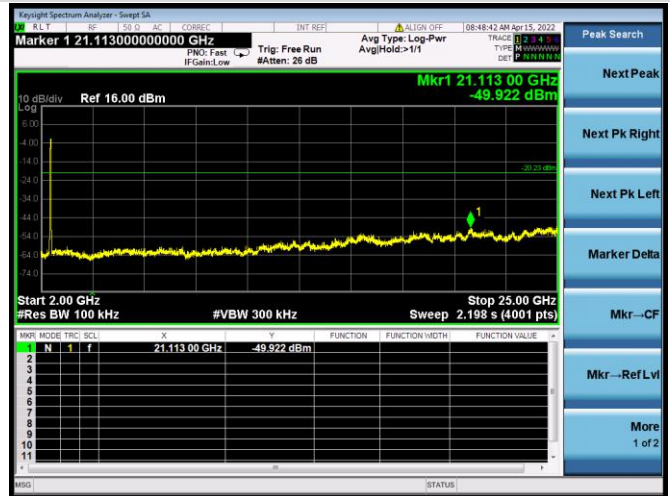
## 802.11ax-40 MHz CHANNEL 5 CARRIER LEVEL



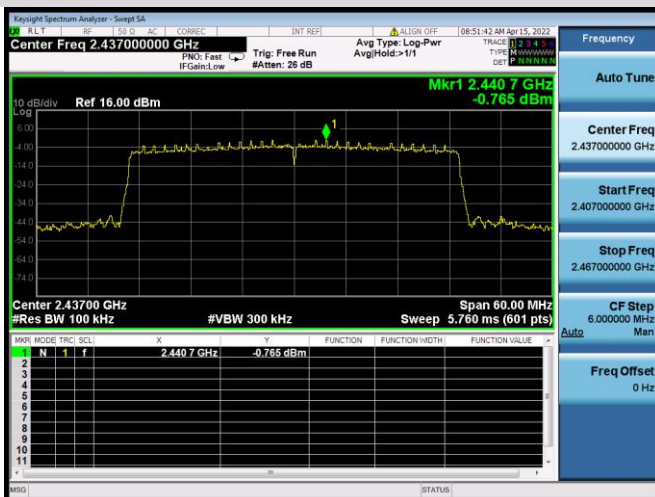
### 802.11ax-40 MHz CHANNEL 5, SPURIOUS 30 MHz ~ 3 GHz



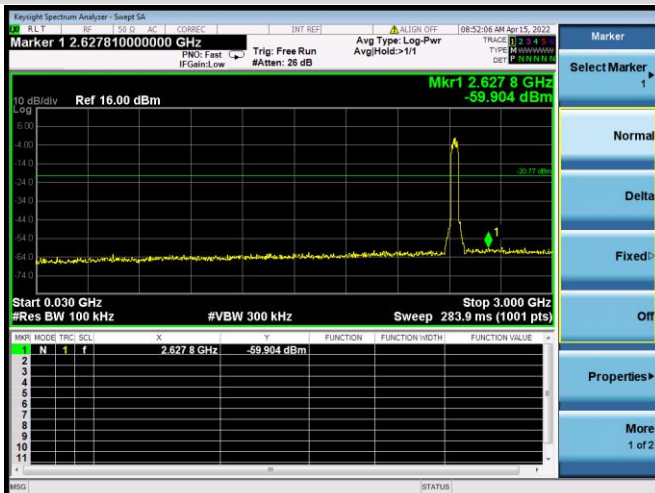
### 802.11ax-40 MHz CHANNEL 5, SPURIOUS 2 GHz ~ 25 GHz



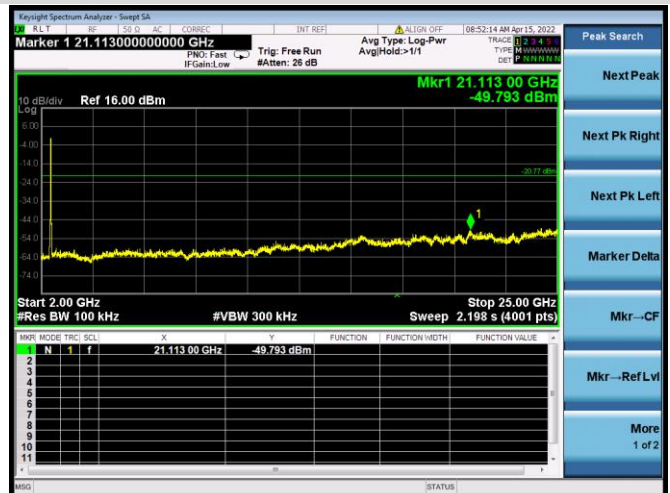
### 802.11ax-40 MHz CHANNEL 6 CARRIER LEVEL



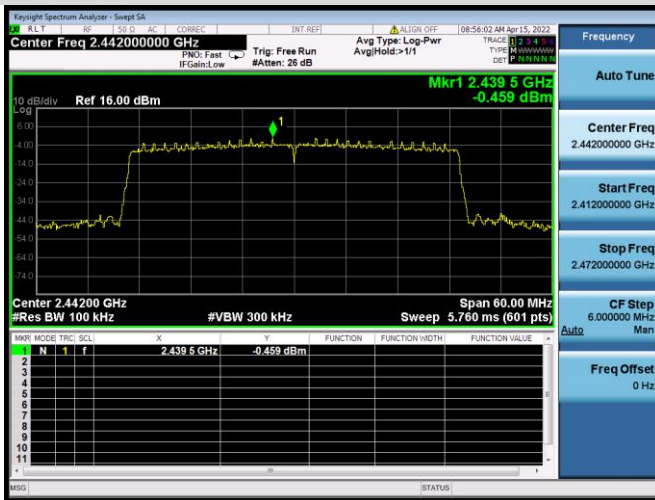
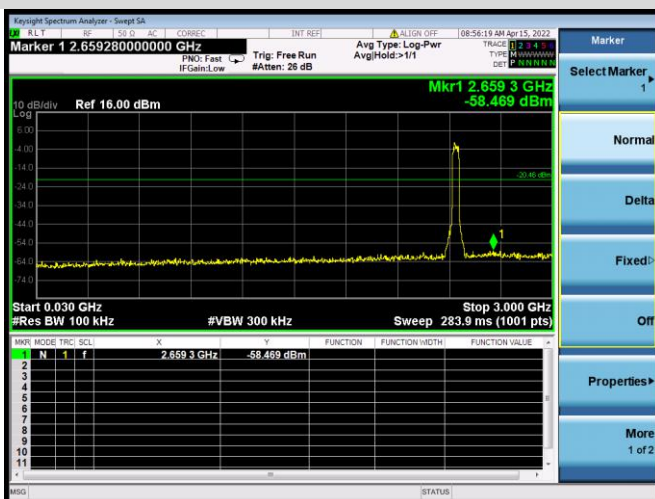
### 802.11ax-40 MHz CHANNEL 6, SPURIOUS 30 MHz ~ 3 GHz



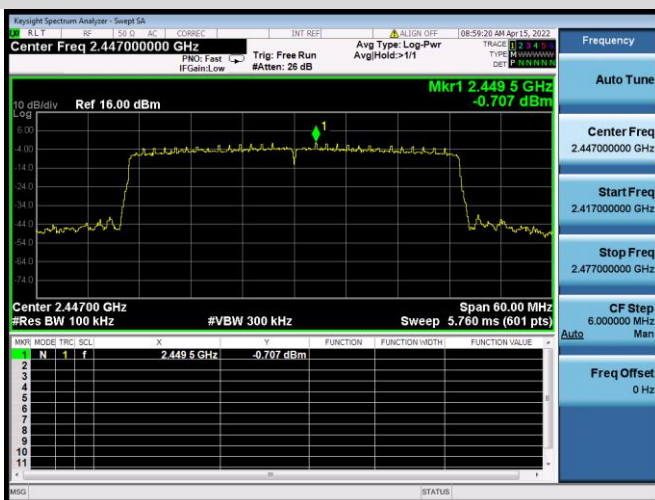
### 802.11ax-40 MHz CHANNEL 6, SPURIOUS 2 GHz ~ 25 GHz



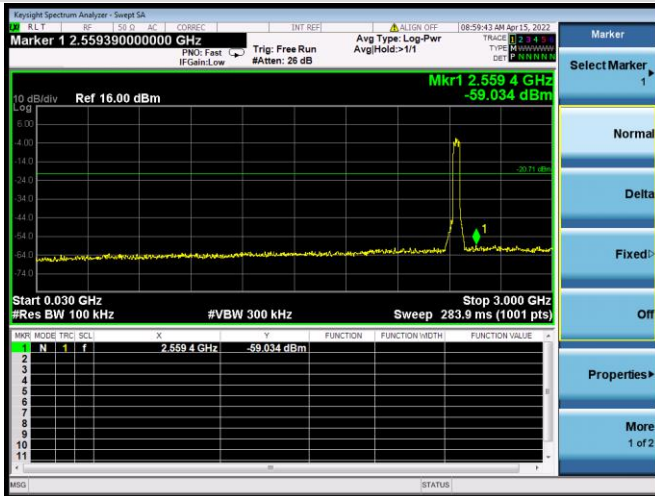
## 802.11ax-40 MHz CHANNEL 7 CARRIER LEVEL

802.11ax-40 MHz CHANNEL 7, SPURIOUS  
30 MHz ~ 3 GHz802.11ax-40 MHz CHANNEL 7, SPURIOUS  
2 GHz ~ 25 GHz

## 802.11ax-40 MHz CHANNEL 8 CARRIER LEVEL



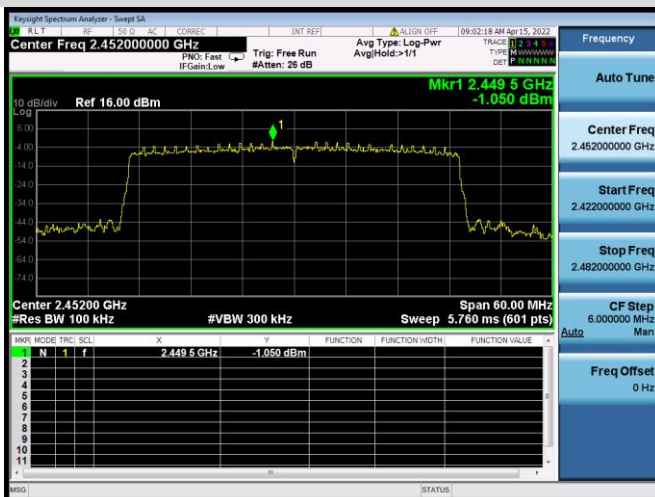
### 802.11ax-40 MHz CHANNEL 8, SPURIOUS 30 MHz ~ 3 GHz



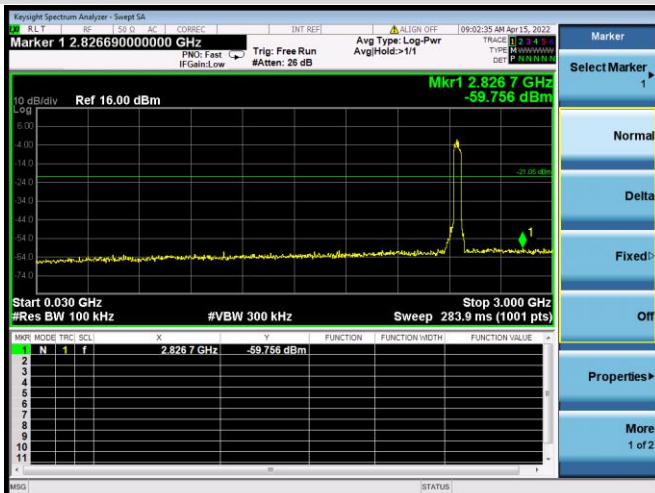
### 802.11ax-40 MHz CHANNEL 8, SPURIOUS 2 GHz ~ 25 GHz



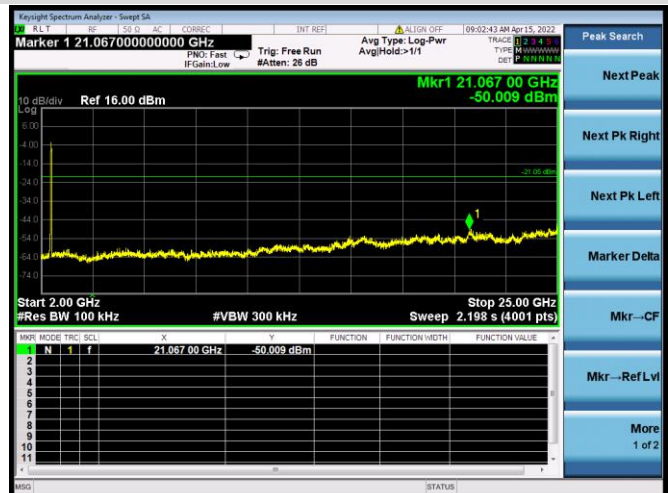
### 802.11ax-40 MHz CHANNEL 9 CARRIER LEVEL



### 802.11ax-40 MHz CHANNEL 9, SPURIOUS 30 MHz ~ 3 GHz



### 802.11ax-40 MHz CHANNEL 9, SPURIOUS 2 GHz ~ 25 GHz



## A.4 Band Edge (Authorized-band band-edge)

Note 1: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Note 2: All the configurations were pre tested, only the worst configuration has been reported in this report.

### Test Data

#### Main Antenna

##### 802.11b Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -43.03                                       | 6.95          | -13.05                     | Pass    |
| 11      | -56.43                                       | 7.67          | -12.33                     | Pass    |

##### 802.11g Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -38.57                                       | 4.51          | -15.49                     | Pass    |
| 11      | -47.32                                       | 4.79          | -15.21                     | Pass    |

##### 802.11n-20 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -38.68                                       | 4.75          | -15.25                     | Pass    |
| 11      | -47.01                                       | 4.74          | -15.26                     | Pass    |

##### 802.11n-40 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -44.38                                       | -1.14         | -21.14                     | Pass    |
| 4       | -47.78                                       | 0.02          | -19.98                     | Pass    |
| 5       | -46.52                                       | 0.64          | -19.36                     | Pass    |
| 7       | -51.74                                       | 1.29          | -18.71                     | Pass    |
| 8       | -51.42                                       | 0.26          | -19.74                     | Pass    |
| 9       | -48.31                                       | 0.72          | -19.28                     | Pass    |

## VHT-20 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -39.05                                       | 3.94          | -16.06                     | Pass    |
| 11      | -47.02                                       | 5.27          | -14.73                     | Pass    |

## VHT-40 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -43.63                                       | -1.06         | -21.06                     | Pass    |
| 4       | -47.61                                       | 0.07          | -19.93                     | Pass    |
| 5       | -46.50                                       | 0.81          | -19.19                     | Pass    |
| 9       | -46.40                                       | 1.15          | -18.85                     | Pass    |

## 802.11ax-20 MHz(SU) Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -37.84                                       | 4.65          | -15.35                     | Pass    |
| 10      | -48.73                                       | 4.79          | -15.21                     | Pass    |
| 11      | -48.15                                       | 3.76          | -16.24                     | Pass    |

## 802.11ax-40 MHz(SU) Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -46.29                                       | -1.66         | -21.66                     | Pass    |
| 4       | -46.64                                       | -0.38         | -20.38                     | Pass    |
| 5       | -45.43                                       | 0.70          | -19.30                     | Pass    |
| 7       | -50.67                                       | 0.85          | -19.15                     | Pass    |
| 8       | -51.25                                       | -0.56         | -20.56                     | Pass    |
| 9       | -49.08                                       | -0.39         | -20.39                     | Pass    |

Aux. Antenna

## 802.11b Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -45.18                                       | 7.01          | -12.99                     | Pass    |
| 11      | -57.16                                       | 7.18          | -12.82                     | Pass    |

## 802.11g Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -39.40                                       | 4.64          | -15.36                     | Pass    |
| 11      | -49.40                                       | 5.20          | -14.80                     | Pass    |

## 802.11n-20 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -39.40                                       | 4.58          | -15.42                     | Pass    |
| 11      | -48.81                                       | 5.41          | -14.59                     | Pass    |

## 802.11n-40 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -41.70                                       | 0.44          | -19.56                     | Pass    |
| 9       | -49.47                                       | 0.46          | -19.54                     | Pass    |

## VHT-20 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -39.19                                       | 4.70          | -15.30                     | Pass    |
| 11      | -48.98                                       | 5.35          | -14.65                     | Pass    |

## VHT-40 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -41.70                                       | 0.50          | -19.50                     | Pass    |
| 9       | -49.78                                       | 0.49          | -19.51                     | Pass    |

## 802.11ax-20 MHz(SU) Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -38.78                                       | 3.89          | -16.11                     | Pass    |
| 11      | -47.63                                       | 5.12          | -14.88                     | Pass    |

## 802.11ax-40 MHz(SU) Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -43.21                                       | 0.24          | -19.76                     | Pass    |
| 9       | -49.12                                       | 0.16          | -19.84                     | Pass    |

## MIMO-Main Antenna

## 802.11b Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -45.11                                       | 6.08          | -13.92                     | Pass    |
| 2       | -51.34                                       | 2.83          | -17.17                     | Pass    |
| 3       | -57.76                                       | 3.23          | -16.77                     | Pass    |
| 4       | -57.22                                       | 3.11          | -16.89                     | Pass    |
| 5       | -57.82                                       | 3.16          | -16.84                     | Pass    |
| 11      | -46.85                                       | 6.45          | -13.55                     | Pass    |

## 802.11g Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -41.79                                       | 3.07          | -16.93                     | Pass    |
| 11      | -50.21                                       | 4.01          | -15.99                     | Pass    |

## 802.11n-20 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -40.89                                       | 3.05          | -16.95                     | Pass    |
| 11      | -49.37                                       | 3.32          | -16.68                     | Pass    |

## 802.11n-40 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -44.69                                       | -1.35         | -21.35                     | Pass    |
| 4       | -48.57                                       | -0.13         | -20.13                     | Pass    |
| 5       | -48.53                                       | 0.01          | -19.99                     | Pass    |
| 8       | -51.44                                       | 0.01          | -19.99                     | Pass    |
| 9       | -49.84                                       | -0.13         | -20.13                     | Pass    |

## VHT-20 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -41.52                                       | 3.58          | -16.42                     | Pass    |
| 11      | -48.80                                       | 4.31          | -15.69                     | Pass    |

## VHT-40 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -44.95                                       | -1.64         | -21.64                     | Pass    |
| 4       | -48.45                                       | 0.10          | -19.90                     | Pass    |
| 8       | -51.64                                       | 0.23          | -19.77                     | Pass    |
| 9       | -49.72                                       | 0.14          | -19.86                     | Pass    |

## 802.11ax-20 MHz(SU) Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -42.66                                       | 2.83          | -17.17                     | Pass    |
| 2       | -44.81                                       | 3.39          | -16.61                     | Pass    |
| 10      | -50.78                                       | 4.25          | -15.75                     | Pass    |
| 11      | -48.65                                       | 3.80          | -16.20                     | Pass    |

## 802.11ax-40 MHz(SU) Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -47.97                                       | -2.06         | -22.06                     | Pass    |
| 4       | -48.76                                       | -0.83         | -20.83                     | Pass    |
| 5       | -47.83                                       | -0.43         | -20.43                     | Pass    |
| 7       | -52.79                                       | 0.03          | -19.97                     | Pass    |
| 8       | -51.76                                       | -0.28         | -20.28                     | Pass    |
| 9       | -50.57                                       | -0.94         | -20.94                     | Pass    |

MIMO-Aux. Antenna

## 802.11b Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -47.75                                       | 5.43          | -14.57                     | Pass    |
| 2       | -53.38                                       | 2.67          | -17.33                     | Pass    |
| 3       | -57.59                                       | 2.99          | -17.01                     | Pass    |
| 4       | -57.20                                       | 2.52          | -17.48                     | Pass    |
| 5       | -57.76                                       | 2.93          | -17.07                     | Pass    |
| 11      | -57.41                                       | 6.22          | -13.78                     | Pass    |

## 802.11g Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -41.84                                       | 2.96          | -17.04                     | Pass    |
| 11      | -52.33                                       | 3.38          | -16.62                     | Pass    |

## 802.11n-20 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -41.81                                       | 2.33          | -17.67                     | Pass    |
| 11      | -50.93                                       | 3.46          | -16.54                     | Pass    |

## 802.11n-40 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -45.29                                       | -2.23         | -22.23                     | Pass    |
| 4       | -50.07                                       | -1.29         | -21.29                     | Pass    |
| 5       | -49.78                                       | -0.44         | -20.44                     | Pass    |
| 8       | -53.48                                       | -0.34         | -20.34                     | Pass    |
| 9       | -52.65                                       | -0.94         | -20.94                     | Pass    |

## VHT-20 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -41.84                                       | 3.36          | -16.64                     | Pass    |
| 11      | -50.23                                       | 2.59          | -17.41                     | Pass    |

## VHT-40 MHz Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -45.11                                       | -2.07         | -22.07                     | Pass    |
| 4       | -48.78                                       | -0.60         | -20.60                     | Pass    |
| 8       | -54.05                                       | -0.46         | -20.46                     | Pass    |
| 9       | -52.59                                       | -0.74         | -20.74                     | Pass    |

## 802.11ax-20 MHz(SU) Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 1       | -42.68                                       | 2.85          | -17.15                     | Pass    |
| 2       | -45.74                                       | 2.34          | -17.66                     | Pass    |
| 10      | -53.45                                       | 3.10          | -16.90                     | Pass    |
| 11      | -50.69                                       | 3.31          | -16.69                     | Pass    |

## 802.11ax-40 MHz(SU) Mode:

| Channel | Measured Max.<br>Band Edge<br>Emission (dBm) | Limit (dBm)   |                            | Verdict |
|---------|----------------------------------------------|---------------|----------------------------|---------|
|         |                                              | Carrier Level | Calculated 20<br>dBc Limit |         |
| 3       | -48.58                                       | -2.93         | -22.93                     | Pass    |
| 4       | -49.73                                       | -1.28         | -21.28                     | Pass    |
| 5       | -49.75                                       | -0.23         | -20.23                     | Pass    |
| 7       | -54.52                                       | -0.46         | -20.46                     | Pass    |
| 8       | -53.85                                       | -0.71         | -20.71                     | Pass    |
| 9       | -52.86                                       | -1.05         | -21.05                     | Pass    |

## Test Plots

## Main Antenna

## 802.11b CHANNEL 1, CARRIER LEVEL



## 802.11b CHANNEL 1, REFERENCE LEVEL



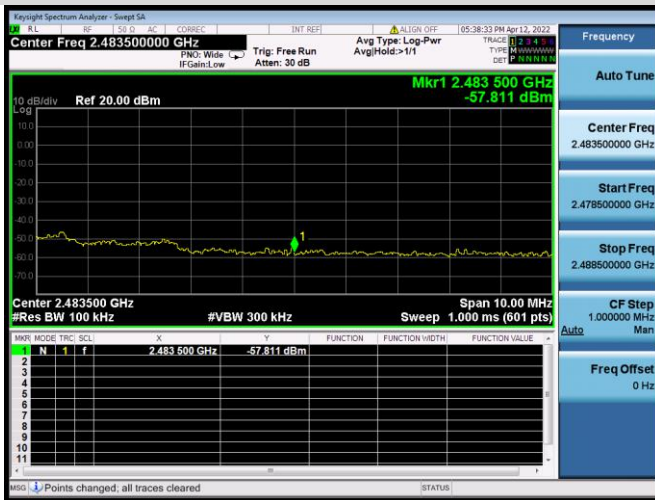
## 802.11b CHANNEL 1, BAND EDGE



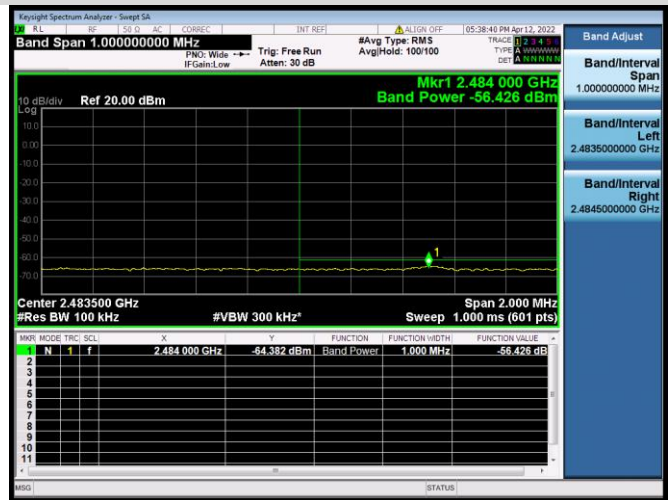
## 802.11b CHANNEL 11, CARRIER LEVEL



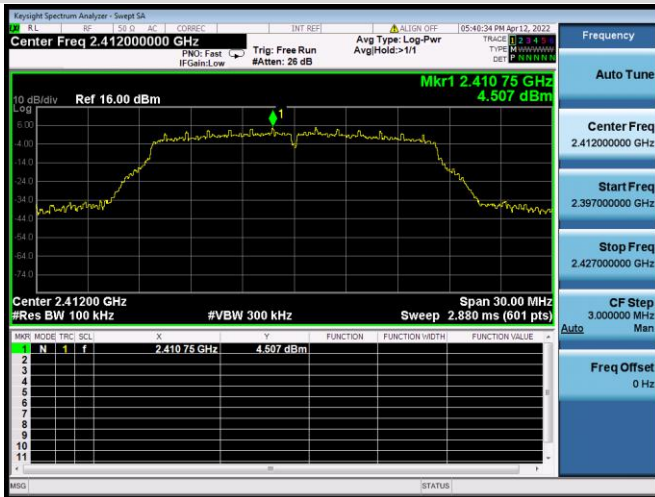
## 802.11b CHANNEL 11, REFERENCE LEVEL



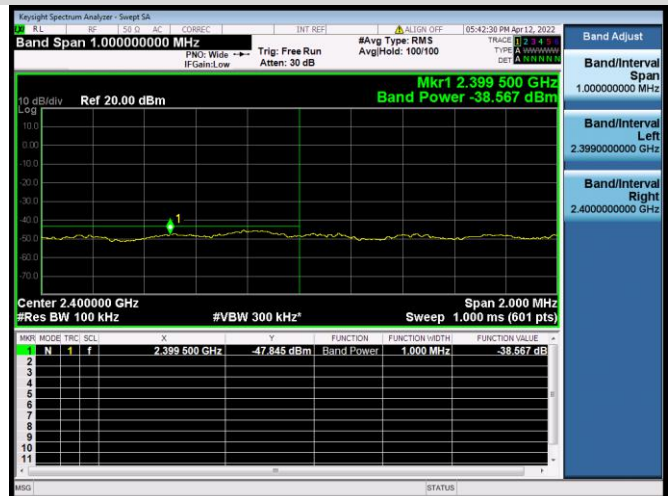
## 802.11b CHANNEL 11, BAND EDGE



## 802.11g CHANNEL 1, CARRIER LEVEL



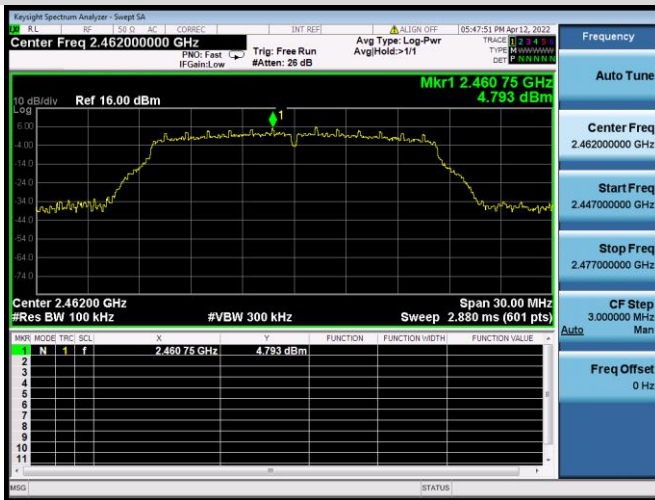
## 802.11g CHANNEL 1, BAND EDGE



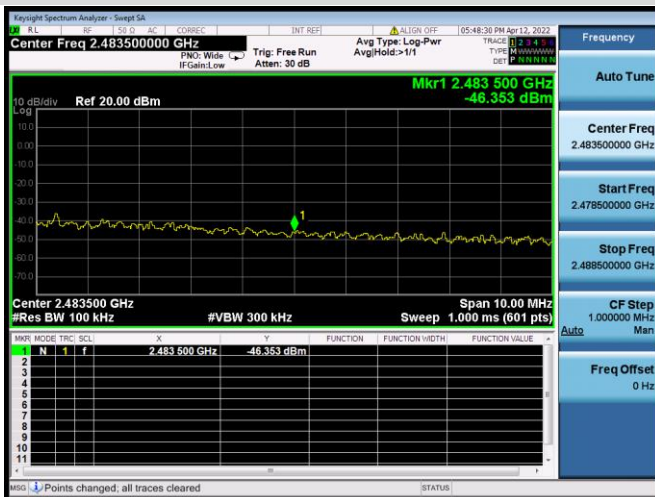
## 802.11g CHANNEL 1, REFERENCE LEVEL



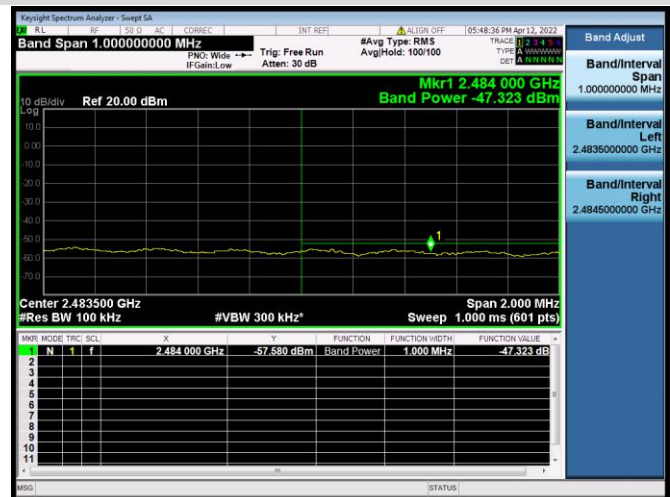
## 802.11g CHANNEL 11, CARRIER LEVEL



## 802.11g CHANNEL 11, REFERENCE LEVEL



## 802.11g CHANNEL 11, BAND EDGE



## 802.11n-20 MHz CHANNEL 1, CARRIER LEVEL

