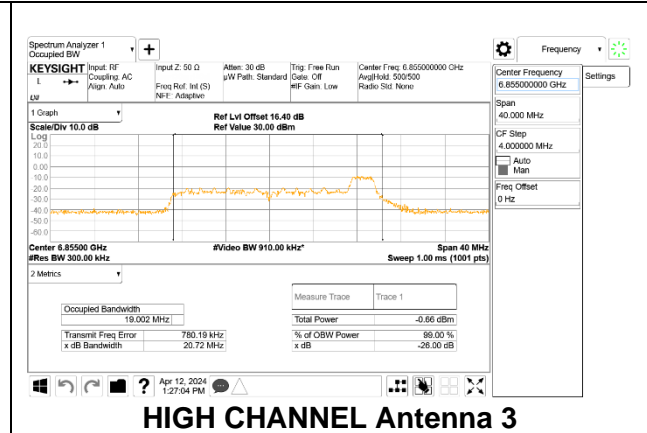
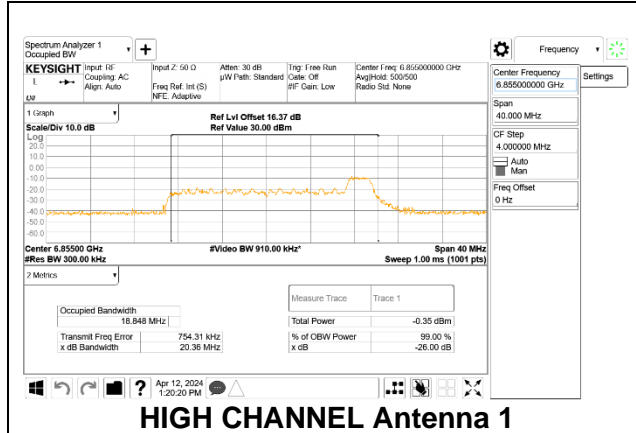


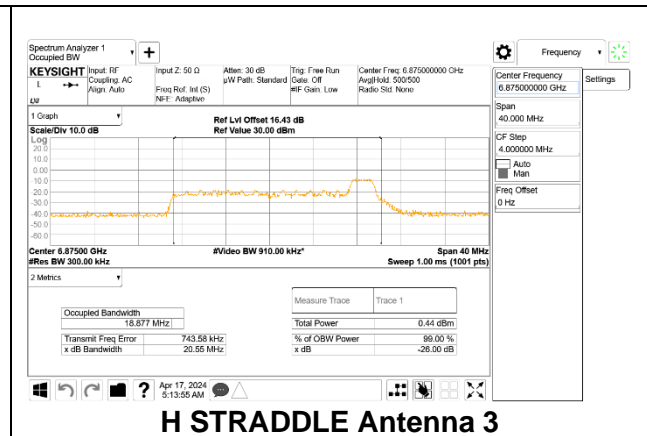
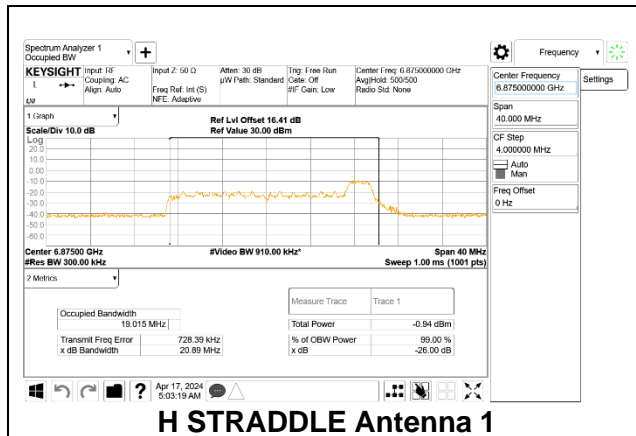
**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 26-Tones, RU Index 8**

| Channel    | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|------------|--------------------|-------------------------------------|-------------------------------------|
| High       | 6855               | 18.848                              | 19.002                              |
| H Straddle | 6875               | 19.015                              | 18.877                              |

**HIGH**



**H STRADDLE**

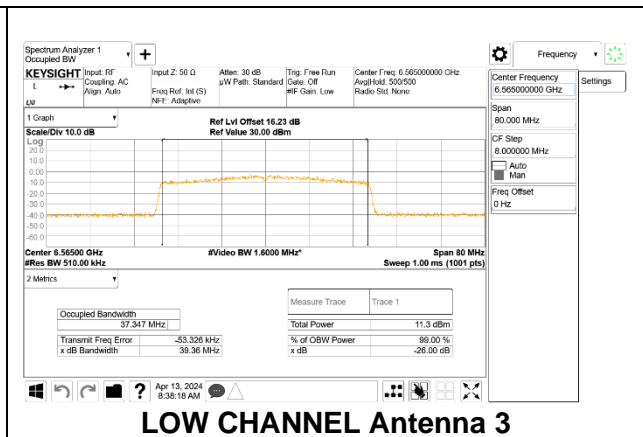
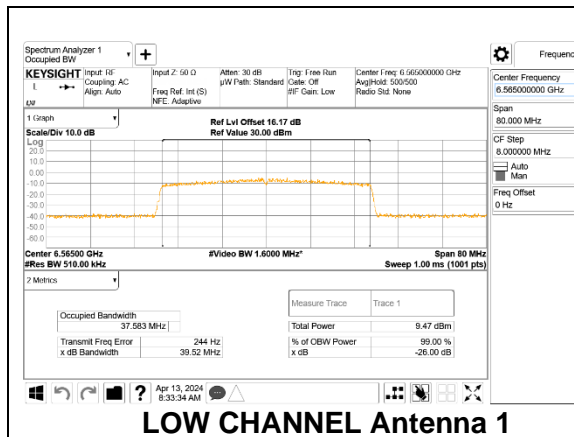


### 9.3.8. 802.11ax HE40 MODE 2TX IN THE UNII-7 BAND

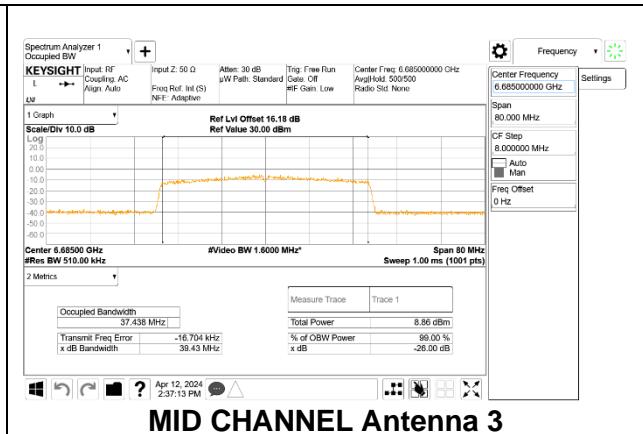
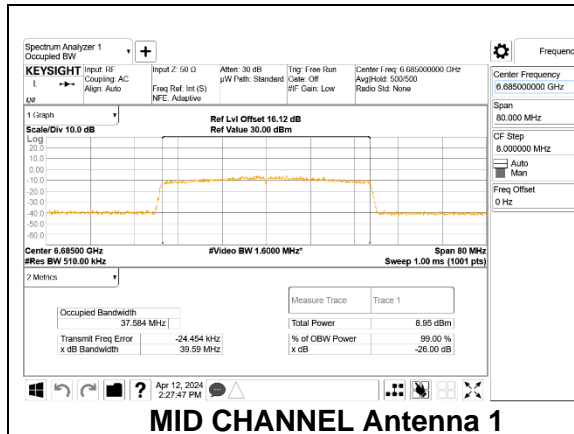
#### 2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User

| Channel    | Frequency (MHz) | 99% Bandwidth Antenna 1 (MHz) | 99% Bandwidth Antenna 3 (MHz) |
|------------|-----------------|-------------------------------|-------------------------------|
| Low        | 6565            | 37.583                        | 37.347                        |
| Mid        | 6685            | 37.584                        | 37.438                        |
| High       | 6845            | 37.557                        | 37.577                        |
| H Straddle | 6885            | 37.632                        | 37.582                        |

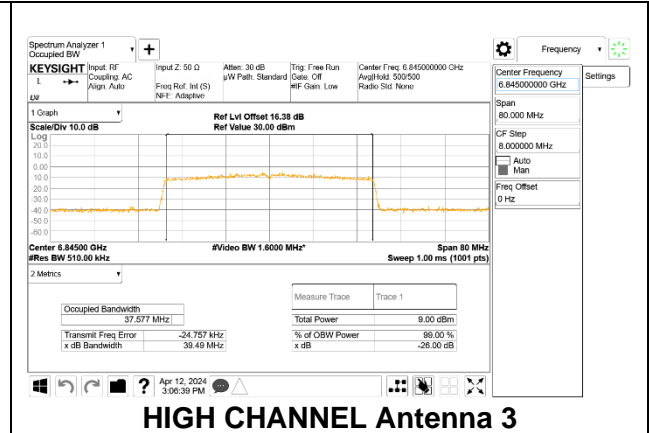
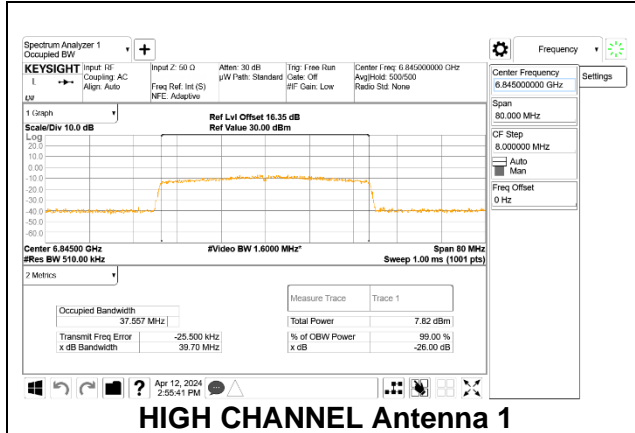
#### LOW



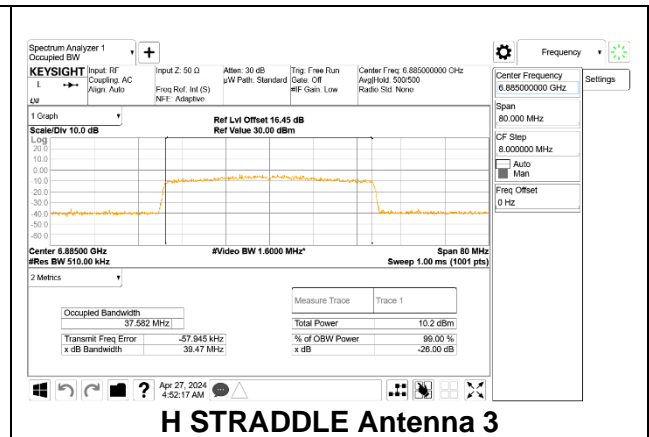
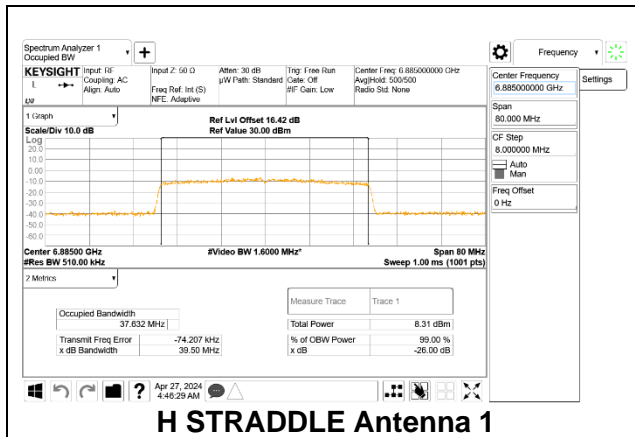
#### MID



**HIGH**



**H STRADDLE**

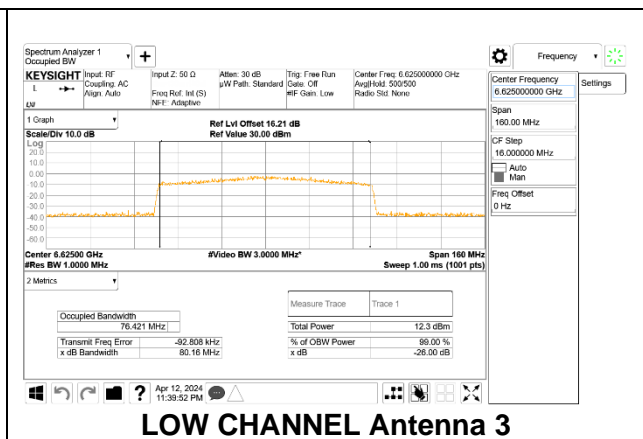
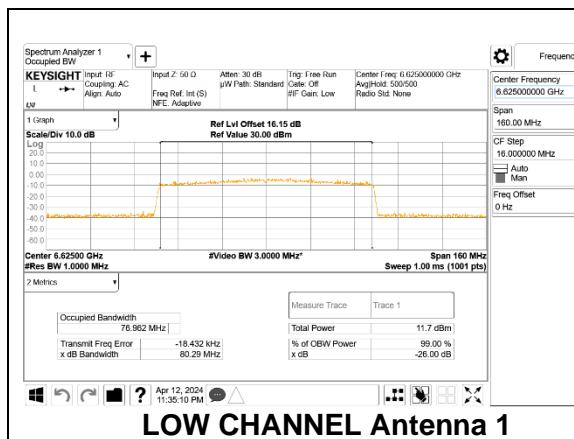


### 9.3.9. 802.11ax HE80 MODE 2TX IN THE UNII-7 BAND

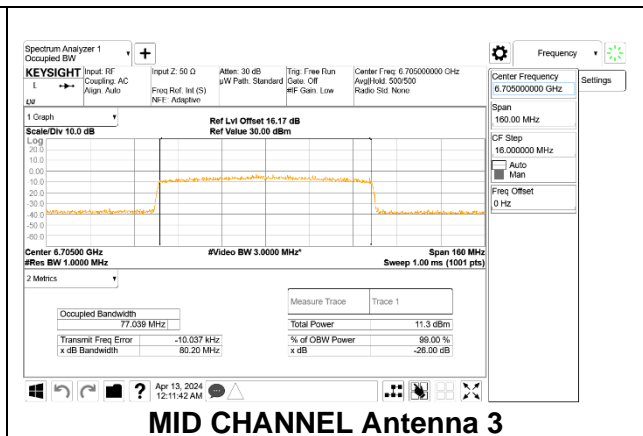
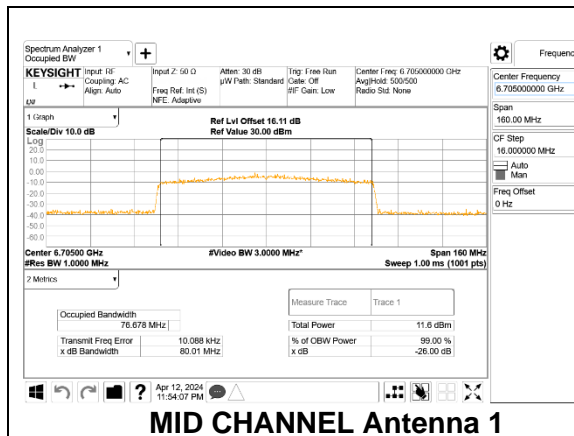
#### 2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User

| Channel    | Frequency (MHz) | 99% Bandwidth Antenna 1 (MHz) | 99% Bandwidth Antenna 3 (MHz) |
|------------|-----------------|-------------------------------|-------------------------------|
| Low        | 6625            | 76.962                        | 76.421                        |
| Mid        | 6705            | 76.678                        | 77.039                        |
| High       | 6785            | 76.693                        | 77.131                        |
| H Straddle | 6865            | 77.153                        | 76.894                        |

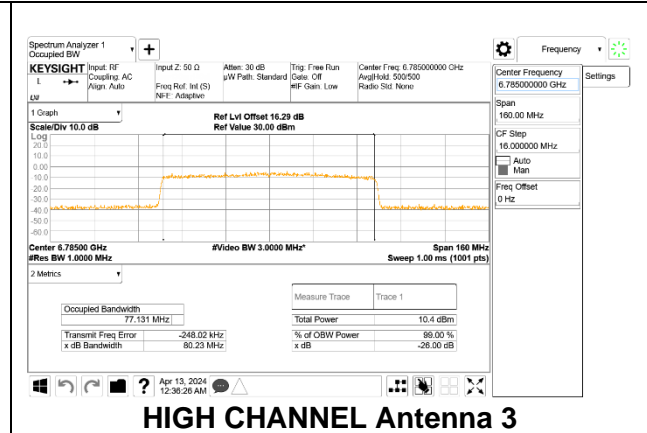
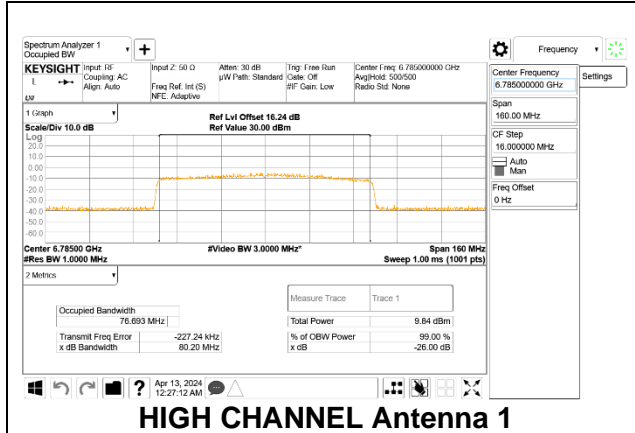
#### LOW



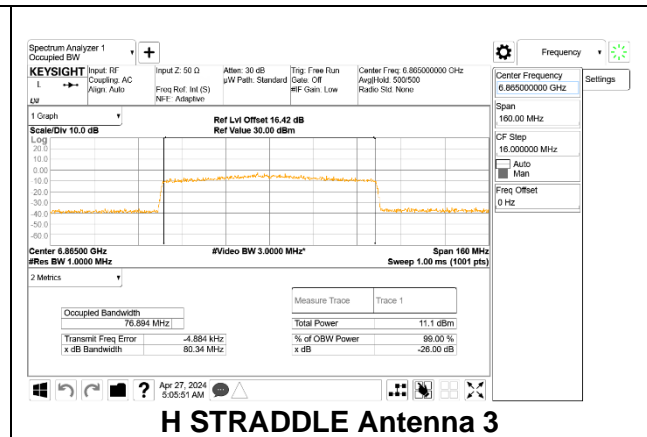
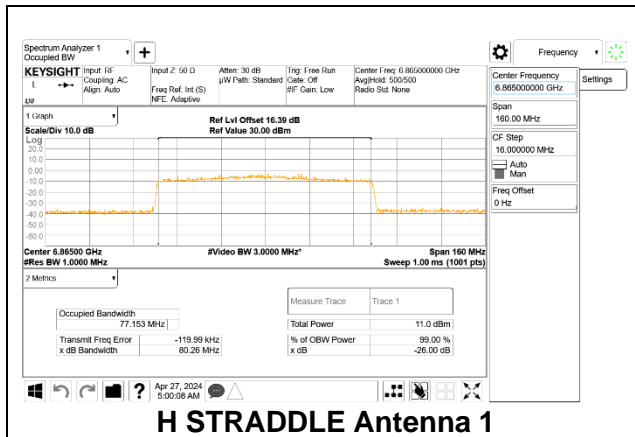
#### MID



### HIGH



### H STRADDLE

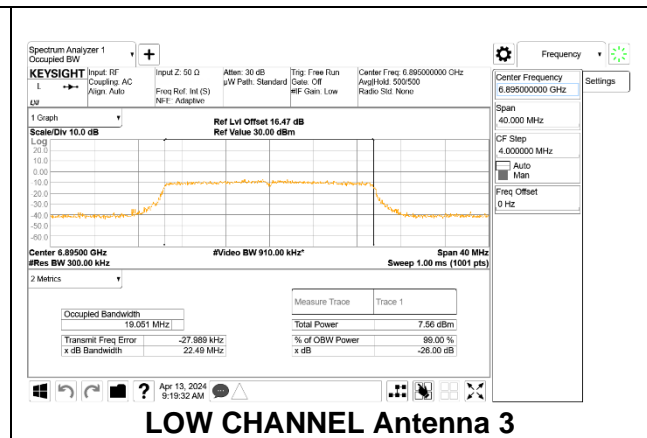
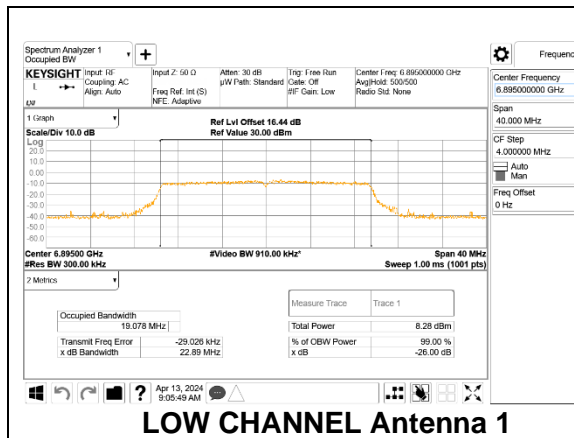


### 9.3.10. 802.11ax HE20 MODE 2TX IN THE UNII-8 BAND

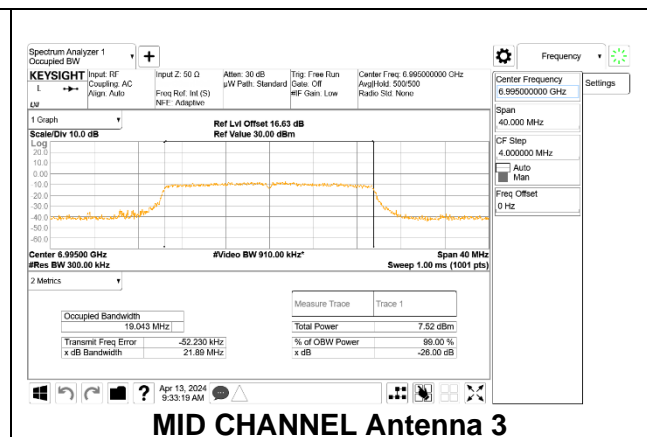
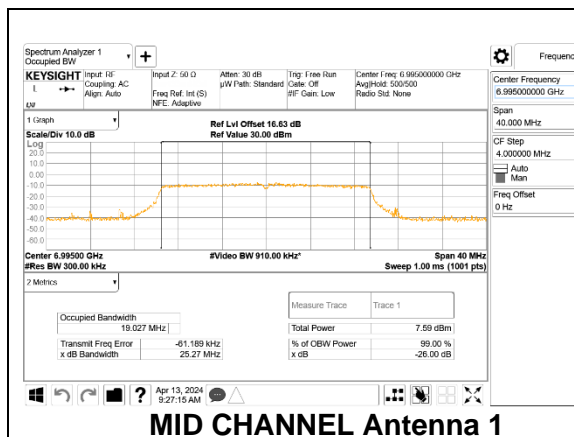
#### 2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 1 (MHz) | 99% Bandwidth Antenna 3 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Low     | 6895            | 19.078                        | 19.051                        |
| Mid     | 6995            | 19.027                        | 19.043                        |
| High    | 7115            | 19.052                        | 19.044                        |

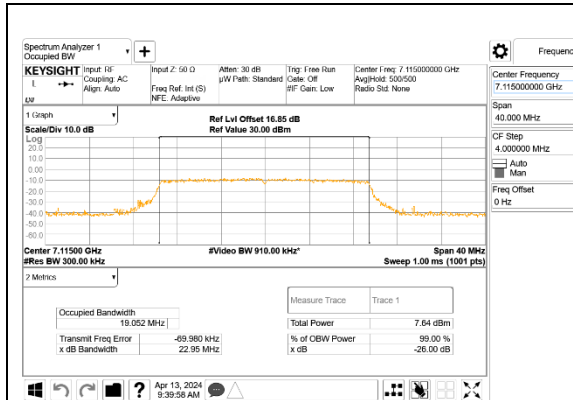
#### LOW



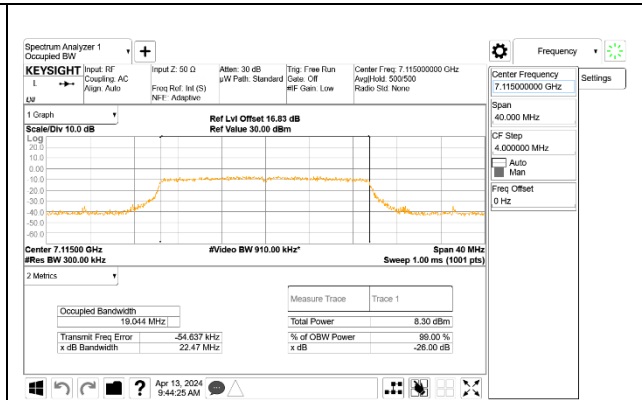
#### MID



**HIGH**



**HIGH CHANNEL Antenna 1**

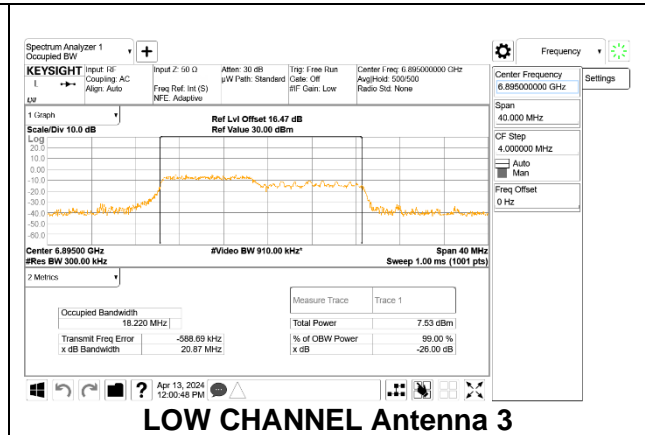
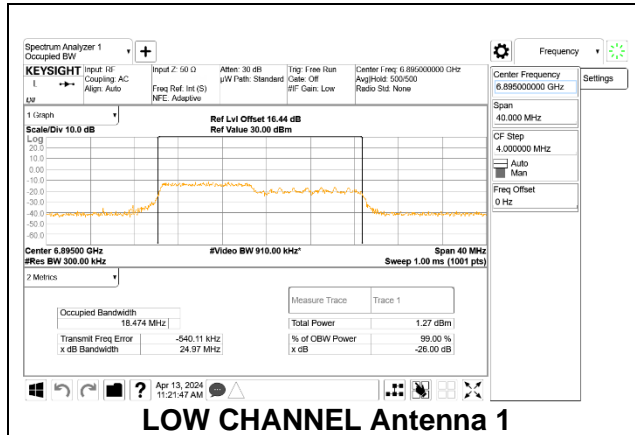


**HIGH CHANNEL Antenna 3**

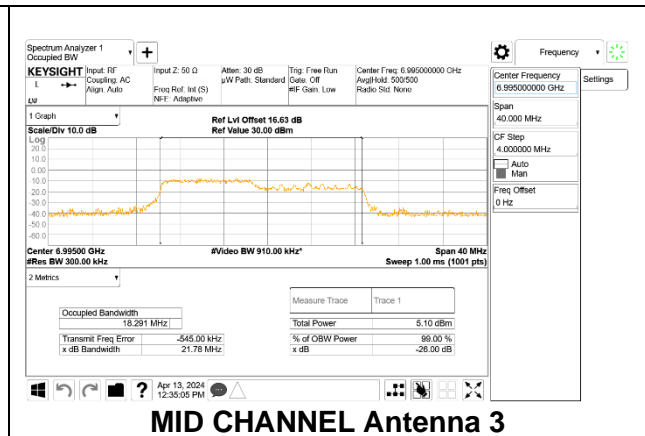
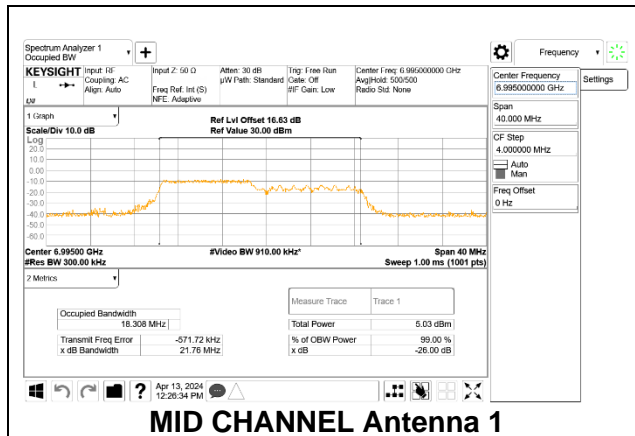
**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 106-Tones, RU Index 53**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Low     | 6895               | 18.474                              | 18.220                              |
| Mid     | 6995               | 18.308                              | 18.291                              |

**LOW**



**MID**

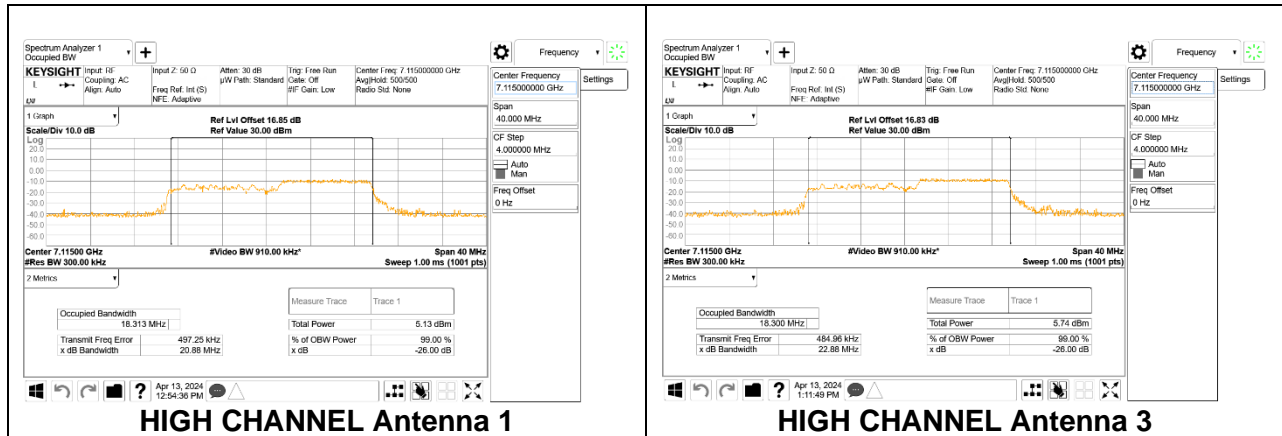




**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 106-Tones, RU Index 54**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| High    | 7115               | 18.313                              | 18.300                              |

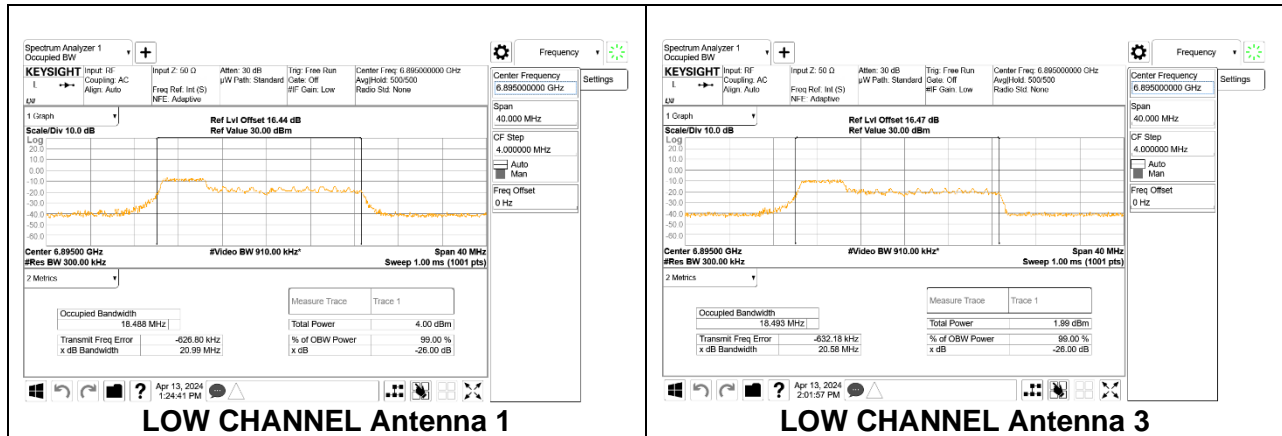
**HIGH**



**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 52-Tones, RU Index 37**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Low     | 6895               | 18.488                              | 18.493                              |

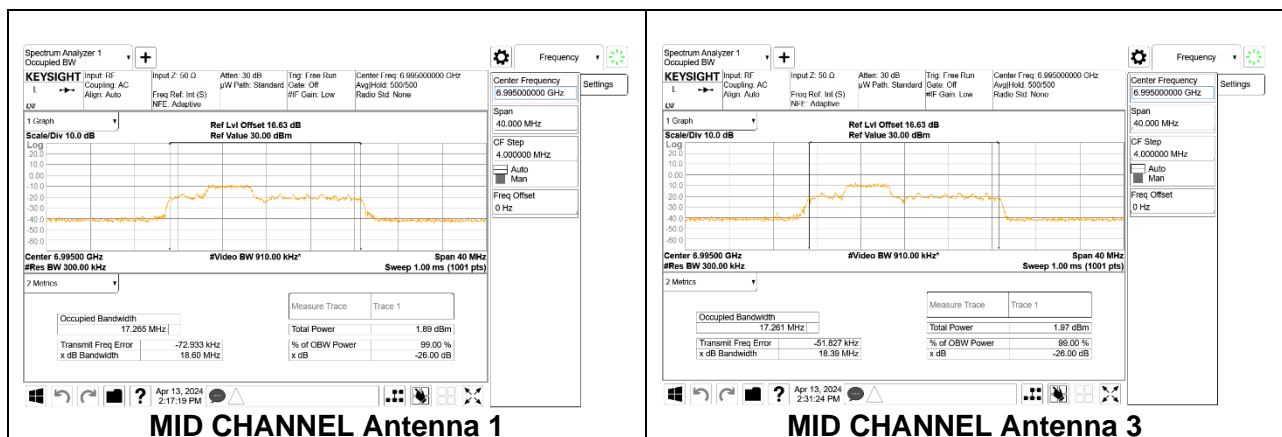
**LOW**



**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 52-Tones, RU Index 38**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Mid     | 6995               | 17.265                              | 17.261                              |

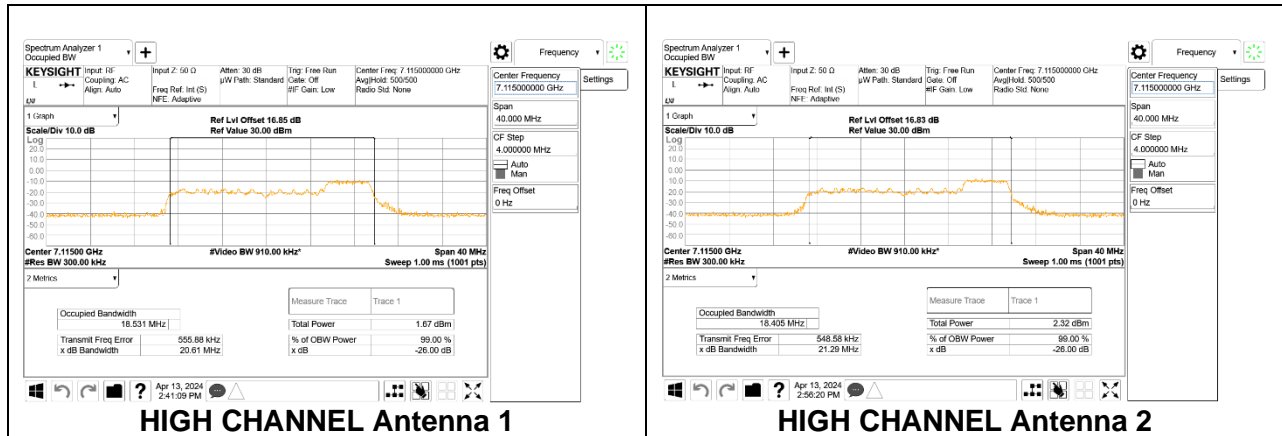
**MID**



**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 52-Tones, RU Index 40**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| High    | 7115               | 18.531                              | 18.405                              |

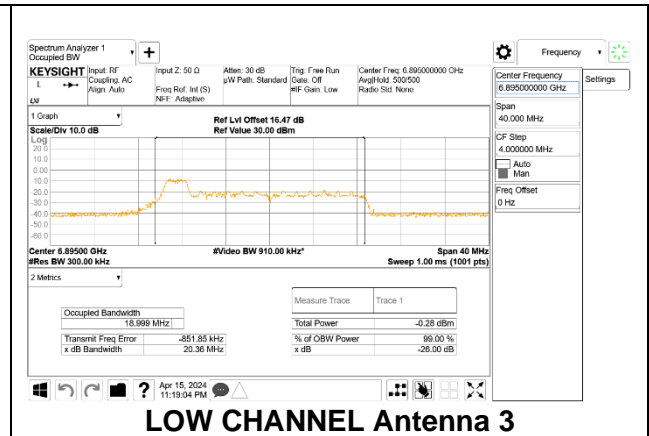
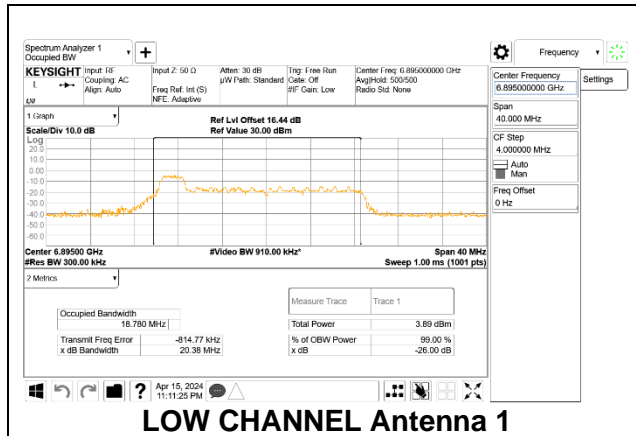
**HIGH**



**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 26-Tones, RU Index 0**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Low     | 6895               | 18.780                              | 18.999                              |

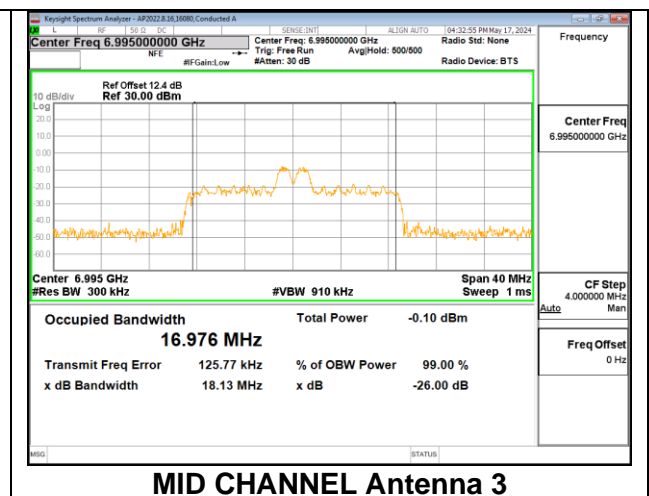
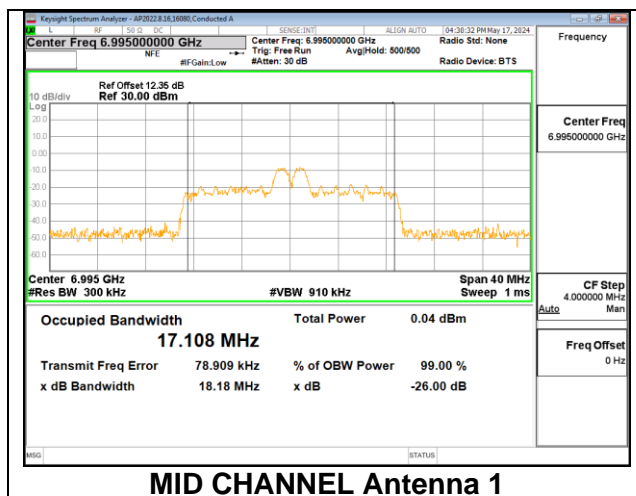
**LOW**



**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 26-Tones, RU Index 4**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Mid     | 6995               | 17.108                              | 16.976                              |

**MID**



**2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: 26-Tones, RU Index 8**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 1<br>(MHz) | 99% Bandwidth<br>Antenna 3<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| High    | 7115               | 18.898                              | 18.838                              |

**HIGH**

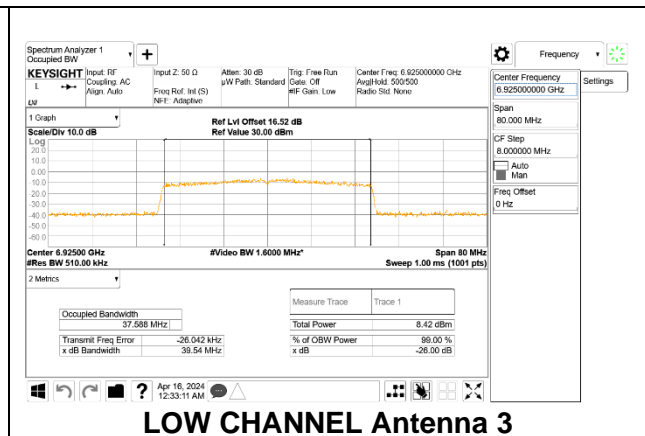
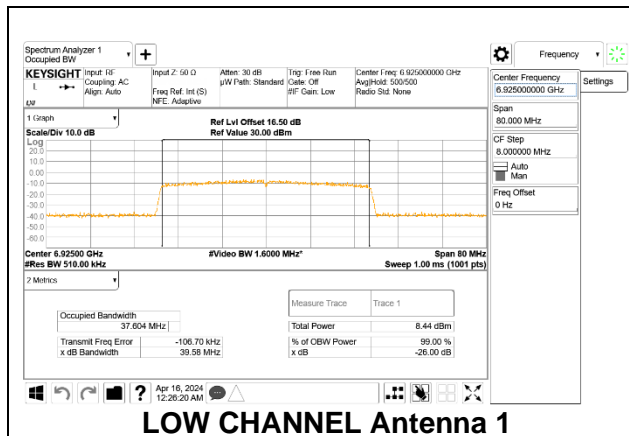


### 9.3.11. 802.11ax HE40 MODE 2TX IN THE UNII-8 BAND

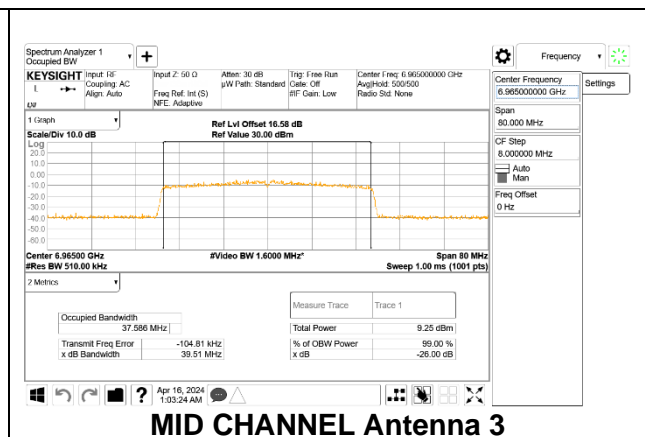
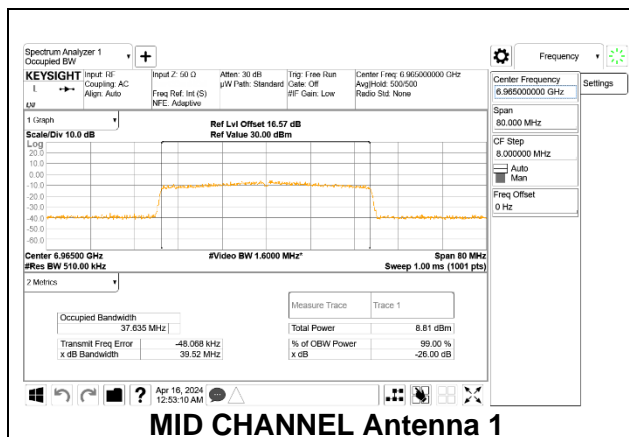
#### 2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 1 (MHz) | 99% Bandwidth Antenna 3 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Low     | 6925            | 37.604                        | 37.588                        |
| Mid     | 6965            | 37.635                        | 37.586                        |
| High    | 7085            | 37.594                        | 37.420                        |

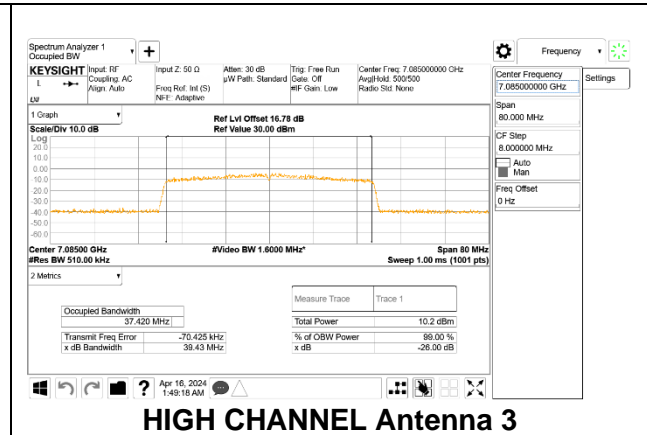
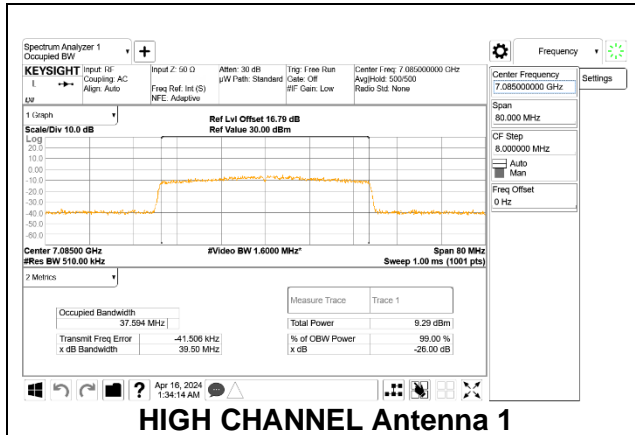
#### LOW



#### MID



### HIGH

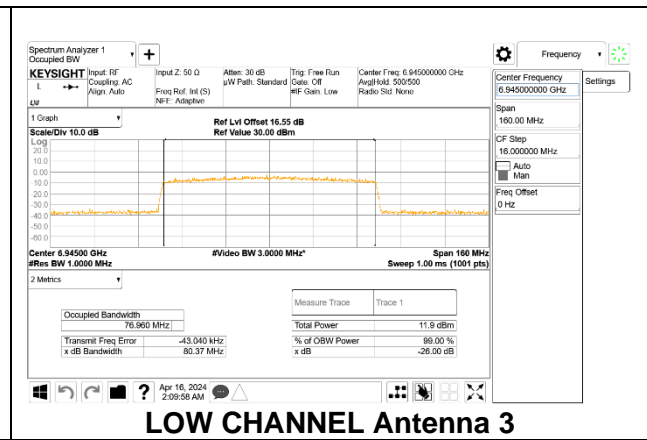
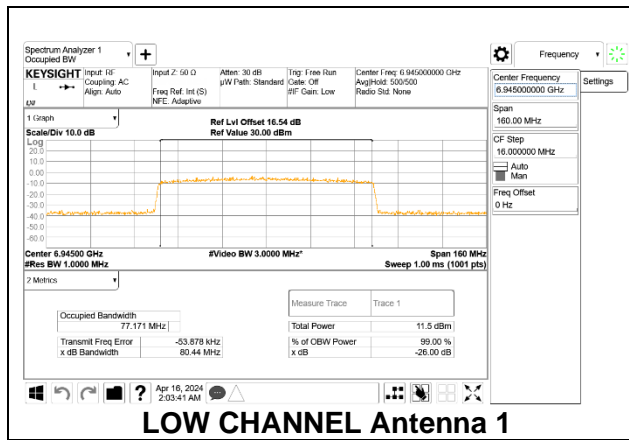


### 9.3.12. 802.11ax HE80 MODE 2TX IN THE UNII-8 BAND

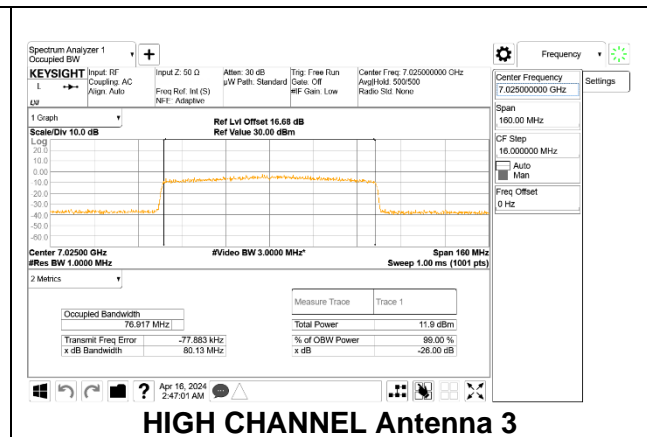
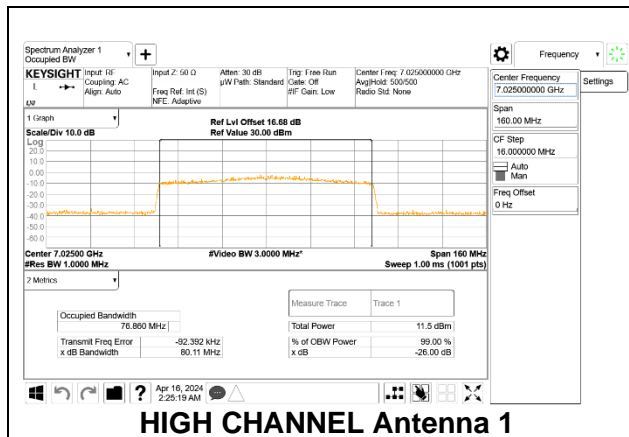
#### 2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 1 (MHz) | 99% Bandwidth Antenna 3 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Low     | 6945            | 77.171                        | 76.960                        |
| High    | 7025            | 76.860                        | 76.917                        |

#### LOW



#### HIGH





## 9.4. OUTPUT POWER AND PSD

### FCC §15.407

Band 5.925-7.125 GHz

(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed  $-1$  dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

### RSS 248

4.5.3. Power limits for client devices

The following limits shall apply to client devices:

- a. the maximum e.i.r.p. spectral density shall not exceed  $-1$  dBm/MHz; and
- b. the maximum e.i.r.p. shall not exceed 24 dBm/occupied bandwidth.

### TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section II E.2.d (Method SA-2) was used.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section II F

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband average power sensor. Gated average output power was read directly from power meter.

## **DIRECTIONAL ANTENNA GAIN**

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

**NOTE:** For UNII5 Bands worst case combination is Antenna 2 and Antenna 4. For UNII6, UNII7, UNII8 Band worst case combination is Antenna 1 and Antenna 3.

### **2 TX DIRECTIONAL ANTENNA GAIN**

#### **Antenna 2 and Antenna 4:**

| <b>Band</b> | <b>Uncorrelated Chains<br/>Directional<br/>Gain<br/>(dBi)</b> | <b>Correlated Chains<br/>Directional<br/>Gain<br/>(dBi)</b> |
|-------------|---------------------------------------------------------------|-------------------------------------------------------------|
| UNII 5      | 5.80                                                          | 8.00                                                        |

#### **Antenna 1 and Antenna 3:**

| <b>Band</b> | <b>Uncorrelated Chains<br/>Directional<br/>Gain<br/>(dBi)</b> | <b>Correlated Chains<br/>Directional<br/>Gain<br/>(dBi)</b> |
|-------------|---------------------------------------------------------------|-------------------------------------------------------------|
| UNII 6      | 2.92                                                          | 5.84                                                        |
| UNII 7      | 2.79                                                          | 5.38                                                        |
| UNII 8      | 2.84                                                          | 5.60                                                        |

### 9.4.1. 802.11ax HE20 MODE 2TX IN THE UNII-5 BAND

#### 2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-10          |

#### Bandwidth, Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | e.i.r.p.<br>Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------------------|-----------------------|
| Low     | 5955               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |
| Mid     | 6175               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |
| High    | 6415               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |

|                           |      |                                        |
|---------------------------|------|----------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.74 | Included in Calculations of Corr'd PSD |
|---------------------------|------|----------------------------------------|

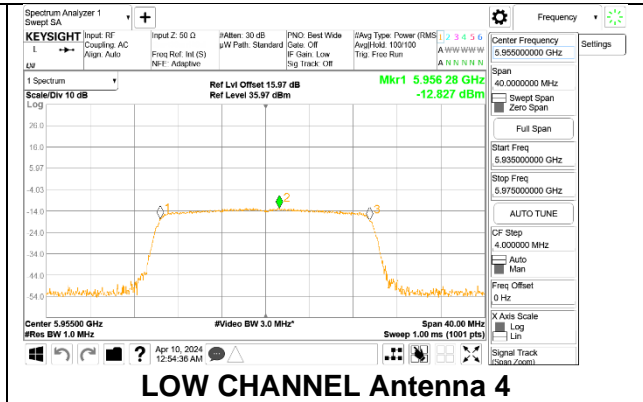
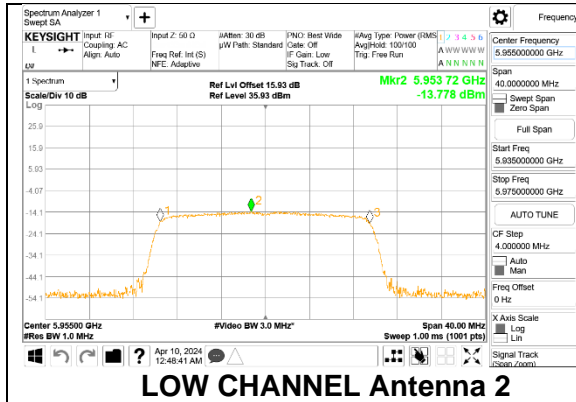
#### Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 2<br>Meas<br>Power<br>(dBm) | Antenna 4<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>EIRP<br>(dBm) | Power<br>Limit<br>EIRP<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|----------------------------------|---------------------------------|-------------------------|
| Low     | 5955               | -1.48                               | -0.92                               | 7.62                             | 24.00                           | -16.38                  |
| Mid     | 6175               | -1.59                               | -0.47                               | 7.82                             | 24.00                           | -16.18                  |
| High    | 6415               | -1.73                               | -2.68                               | 6.63                             | 24.00                           | -17.37                  |

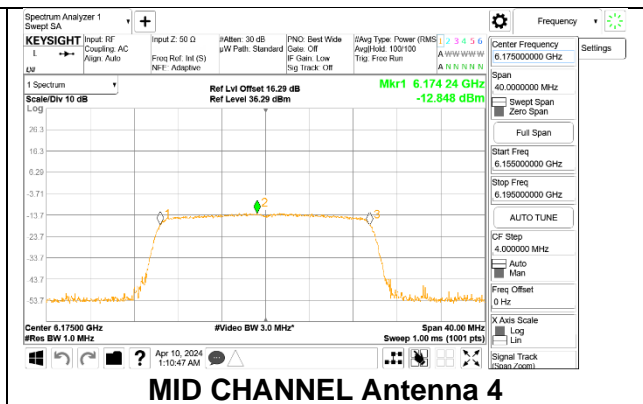
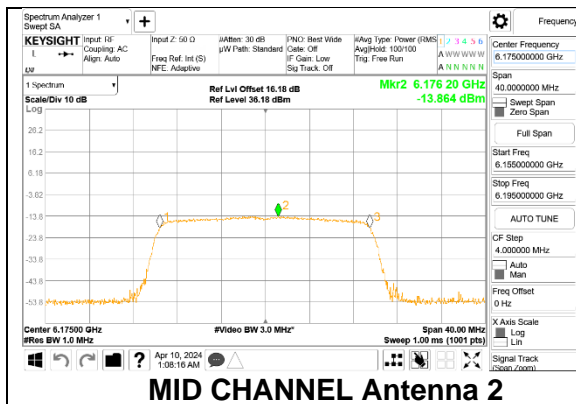
#### PSD Results

| Channel | Frequency<br>(MHz) | Antenna 2<br>Meas<br>PSD<br>(dBm) | Antenna 4<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5955               | -13.778                           | -12.827                           | -1.53                           | -1.00                 | -0.53                 |
| Mid     | 6175               | -13.864                           | -12.848                           | -1.58                           | -1.00                 | -0.58                 |
| High    | 6415               | -13.063                           | -14.179                           | -1.83                           | -1.00                 | -0.83                 |

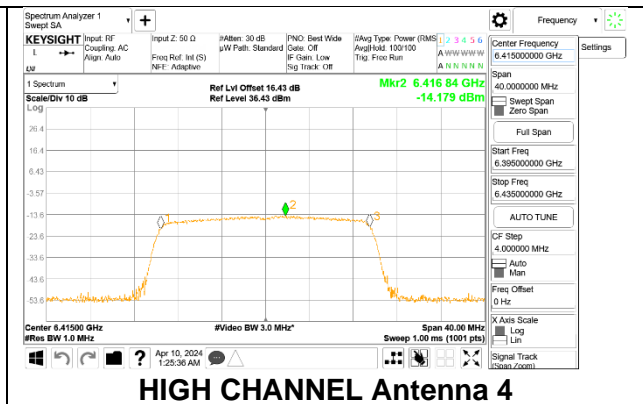
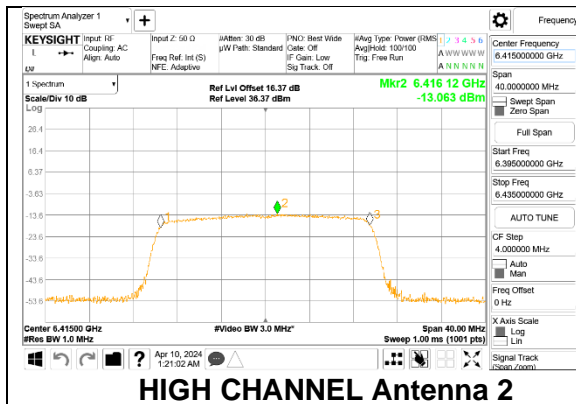
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 106-Tones, RU Index 53**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-11          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | e.i.r.p.<br>Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------------------|-----------------------|
| Low     | 5955               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |
| Mid     | 6175               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 3.77 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

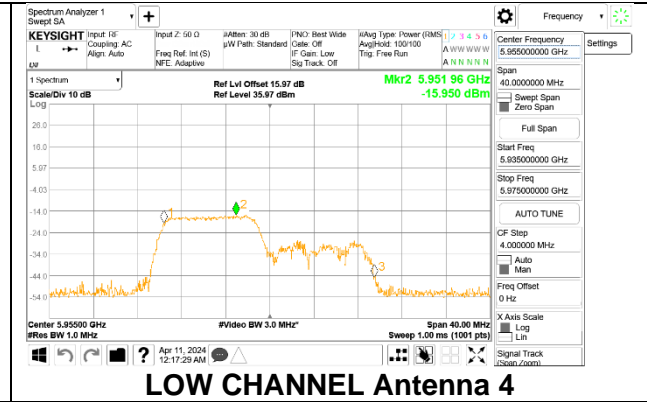
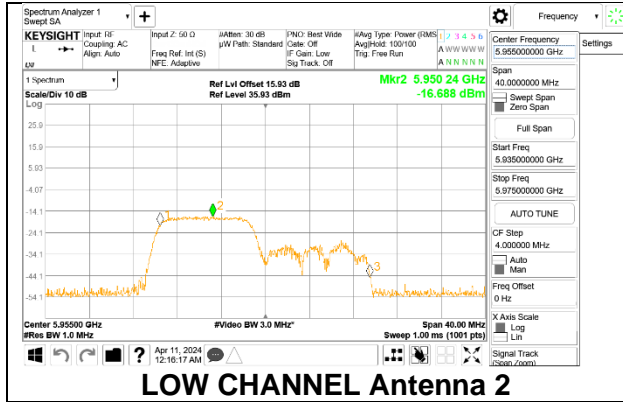
**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 2<br>Meas<br>Power<br>(dBm) | Antenna 4<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>EIRP<br>(dBm) | Power<br>Limit<br>EIRP<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|----------------------------------|---------------------------------|-------------------------|
| Low     | 5955               | -6.42                               | -5.25                               | 3.01                             | 24.00                           | -20.99                  |
| Mid     | 6175               | -5.38                               | -5.70                               | 3.27                             | 24.00                           | -20.73                  |

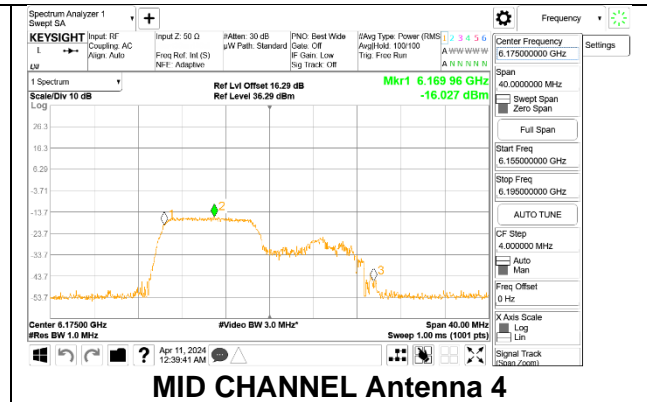
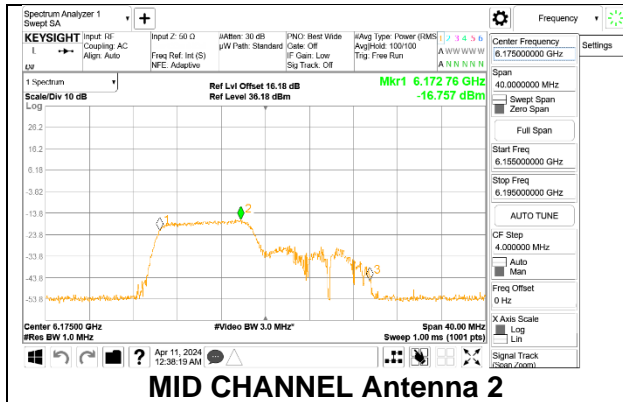
**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 2<br>Meas<br>PSD<br>(dBm) | Antenna 4<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5955               | -16.688                           | -15.950                           | -1.52                           | -1.00                 | -0.52                 |
| Mid     | 6175               | -16.757                           | -16.027                           | -1.60                           | -1.00                 | -0.60                 |

### LOW CHANNEL



### MID CHANNEL



**2TX Antenna 1 + Antenna 2 CDD OFDMA MODE: 106-Tones, RU Index 54**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-11          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | e.i.r.p. Power Limit (dBm) | PSD Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|-----------------|
| High    | 6415            | 5.80                             | 8.00                           | 24.00                      | -1.00           |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 3.77 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

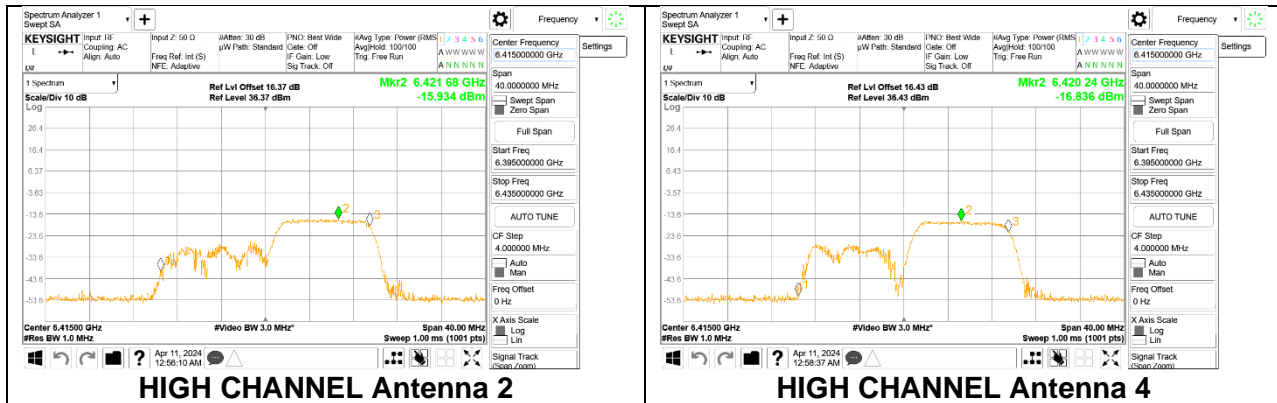
**Output Power Results**

| Channel | Frequency (MHz) | Antenna 2 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd EIRP (dBm) | Power Limit EIRP (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|-------------------------|------------------------|-------------------|
| High    | 6415            | -4.31                      | -6.11                      | 3.69                    | 24.00                  | -20.31            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 2 Meas PSD (dBm) | Antenna 4 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|------------------------|-----------------|-----------------|
| High    | 6415            | -15.934                  | -16.836                  | -1.58                  | -1.00           | -0.58           |

**HIGH CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 52-Tones, RU Index 37**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-10          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | e.i.r.p. Power Limit (dBm) | PSD Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|-----------------|
| Low     | 5955            | 5.80                             | 8.00                           | 24.00                      | -1.00           |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 3.46 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

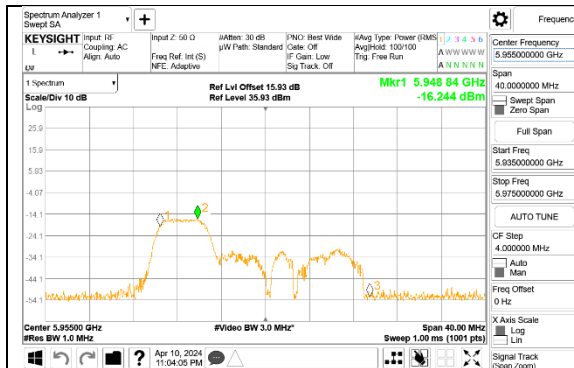
**Output Power Results**

| Channel | Frequency (MHz) | Antenna 2 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd EIRP (dBm) | Power Limit EIRP (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|-------------------------|------------------------|-------------------|
| Low     | 5955            | -8.31                      | -7.39                      | 0.98                    | 24.00                  | -23.02            |

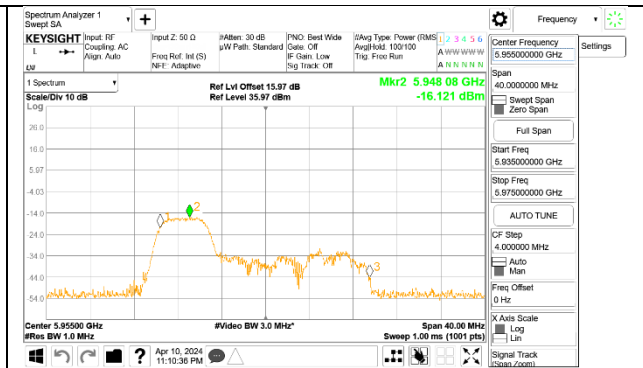
**PSD Results**

| Channel | Frequency (MHz) | Antenna 2 Meas PSD (dBm) | Antenna 4 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|------------------------|-----------------|-----------------|
| Low     | 5955            | -16.244                  | -16.121                  | -1.71                  | -1.00           | -0.71           |

**LOW CHANNEL**



**LOW CHANNEL Antenna 2**



**LOW CHANNEL Antenna 4**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 52-Tones, RU Index 38**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-10          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | e.i.r.p. Power Limit (dBm) | PSD Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|-----------------|
| Mid     | 6175            | 5.80                             | 8.00                           | 24.00                      | -1.00           |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 3.46 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

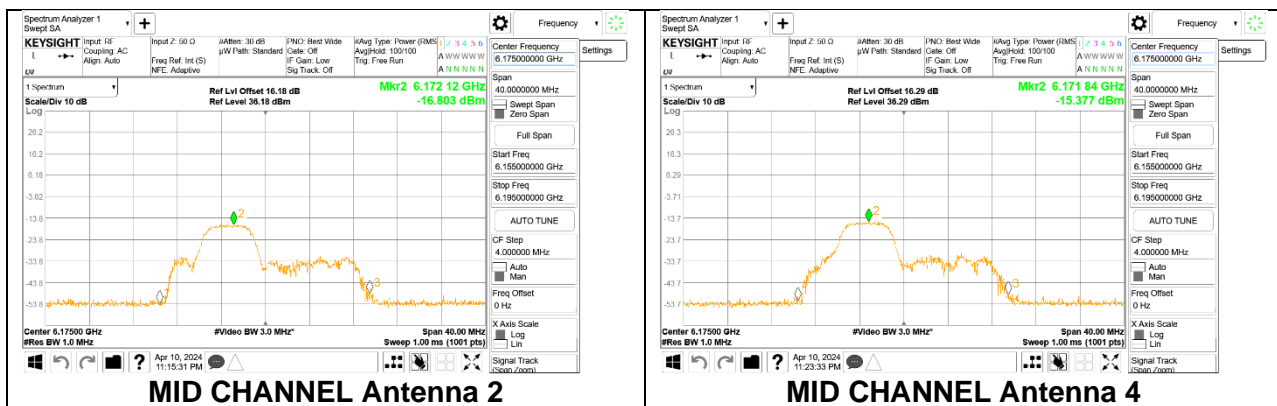
**Output Power Results**

| Channel | Frequency (MHz) | Antenna 2 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd EIRP (dBm) | Power Limit EIRP (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|-------------------------|------------------------|-------------------|
| Mid     | 6175            | -8.96                      | -8.02                      | 0.35                    | 24.00                  | -23.65            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 2 Meas PSD (dBm) | Antenna 4 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|------------------------|-----------------|-----------------|
| Mid     | 6175            | -16.803                  | -15.337                  | -1.54                  | -1.00           | -0.54           |

**MID CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 52-Tones, RU Index 40**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-10          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | e.i.r.p. Power Limit (dBm) | PSD Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|-----------------|
| High    | 6415            | 5.80                             | 8.00                           | 24.00                      | -1.00           |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 3.46 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 2 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd EIRP (dBm) | Power Limit EIRP (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|-------------------------|------------------------|-------------------|
| High    | 6415            | -8.79                      | -10.31                     | -0.67                   | 24.00                  | -24.67            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 2 Meas PSD (dBm) | Antenna 4 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|------------------------|-----------------|-----------------|
| High    | 6415            | -15.383                  | -16.708                  | -1.52                  | -1.00           | -0.52           |

**HIGH CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE:26-Tones, RU Index 0**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-10          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | e.i.r.p. Power Limit (dBm) | PSD Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|-----------------|
| Low     | 5955            | 5.80                             | 8.00                           | 24.00                      | -1.00           |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 3.03 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

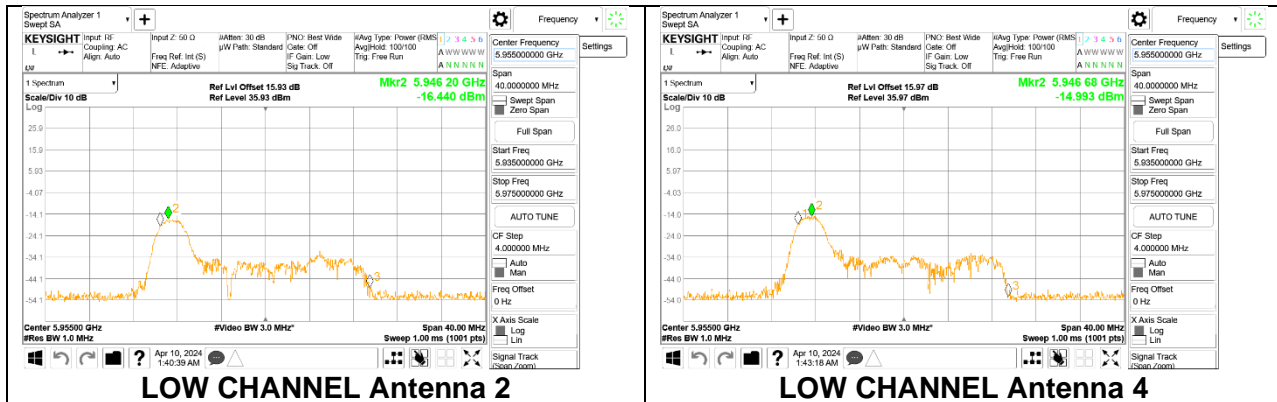
**Output Power Results**

| Channel | Frequency (MHz) | Antenna 2 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd EIRP (dBm) | Power Limit EIRP (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|-------------------------|------------------------|-------------------|
| Low     | 5955            | -9.25                      | -8.77                      | -0.19                   | 24.00                  | -24.19            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 2 Meas PSD (dBm) | Antenna 4 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|------------------------|-----------------|-----------------|
| Low     | 5955            | -16.440                  | -14.993                  | -1.62                  | -1.00           | -0.62           |

**LOW CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE:26-Tones, RU Index 4**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-10          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | e.i.r.p. Power Limit (dBm) | PSD Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|-----------------|
| Mid     | 6175            | 5.80                             | 8.00                           | 24.00                      | -1.00           |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 3.03 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

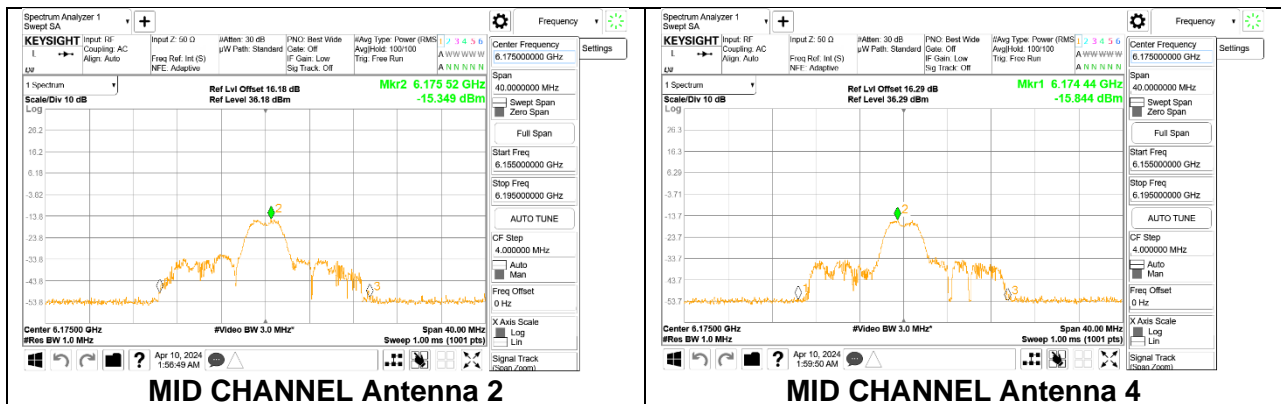
**Output Power Results**

| Channel | Frequency (MHz) | Antenna 2 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd EIRP (dBm) | Power Limit EIRP (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|-------------------------|------------------------|-------------------|
| Mid     | 6175            | -9.38                      | -9.02                      | -0.39                   | 24.00                  | -24.39            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 2 Meas PSD (dBm) | Antenna 4 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|------------------------|-----------------|-----------------|
| Mid     | 6175            | -15.349                  | -15.844                  | -1.55                  | -1.00           | -0.55           |

**MID CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE:26-Tones, RU Index 8**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-10          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | e.i.r.p. Power Limit (dBm) | PSD Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|-----------------|
| High    | 6415            | 5.80                             | 8.00                           | 24.00                      | -1.00           |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 3.03 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

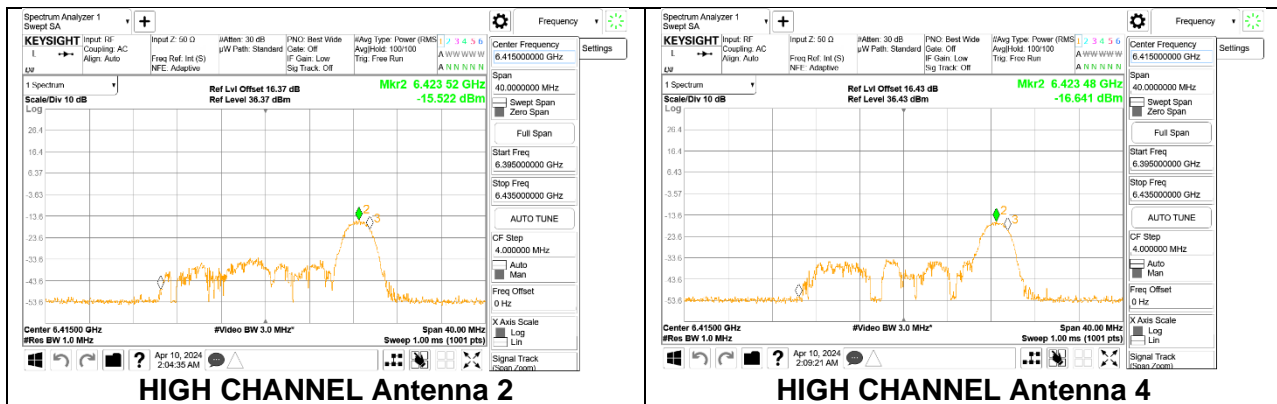
**Output Power Results**

| Channel | Frequency (MHz) | Antenna 2 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd EIRP (dBm) | Power Limit EIRP (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|-------------------------|------------------------|-------------------|
| High    | 6415            | -9.64                      | -11.29                     | -1.58                   | 24.00                  | -25.58            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 2 Meas PSD (dBm) | Antenna 4 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|------------------------|-----------------|-----------------|
| High    | 6415            | -15.522                  | -16.641                  | -2.01                  | -1.00           | -1.01           |

**HIGH CHANNEL**



**9.4.2. 802.11ax HE40 MODE 2TX IN THE UNII-5 BAND**

**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-11          |

**Bandwidth, Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | e.i.r.p.<br>Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------------------|-----------------------|
| Low     | 5965               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |
| Mid     | 6165               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |
| High    | 6405               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 1.35 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

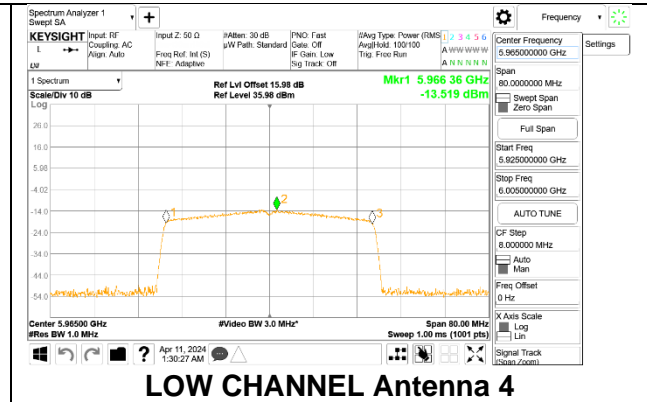
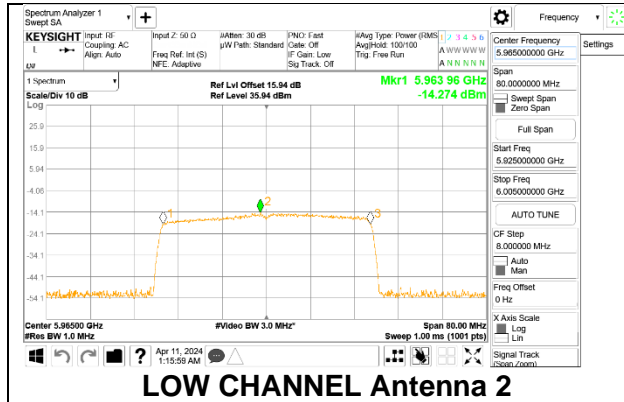
**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 2<br>Meas<br>Power<br>(dBm) | Antenna 4<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>EIRP<br>(dBm) | Power<br>Limit<br>EIRP<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|----------------------------------|---------------------------------|-------------------------|
| Low     | 5965               | 0.51                                | 0.67                                | 9.40                             | 24.00                           | -14.60                  |
| Mid     | 6165               | -0.52                               | -0.19                               | 8.46                             | 24.00                           | -15.54                  |
| High    | 6405               | 0.32                                | -1.29                               | 8.40                             | 24.00                           | -15.60                  |

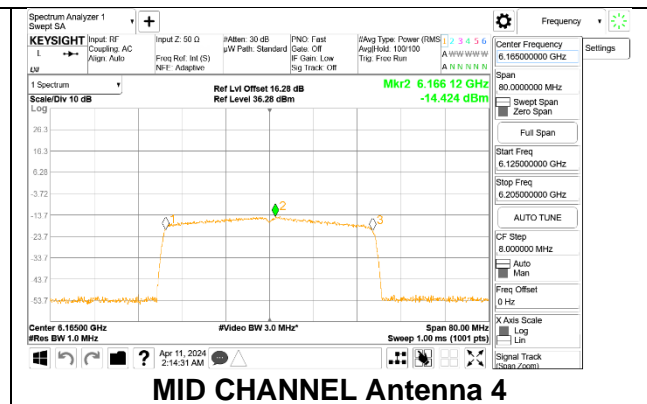
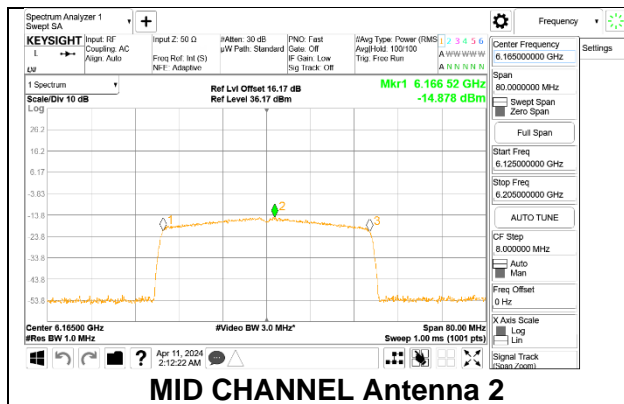
**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 2<br>Meas<br>PSD<br>(dBm) | Antenna 4<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5965               | -14.274                           | -13.519                           | -1.52                           | -1.00                 | -0.52                 |
| Mid     | 6165               | -14.878                           | -14.424                           | -2.28                           | -1.00                 | -1.28                 |
| High    | 6405               | -13.900                           | -14.774                           | -1.95                           | -1.00                 | -0.95                 |

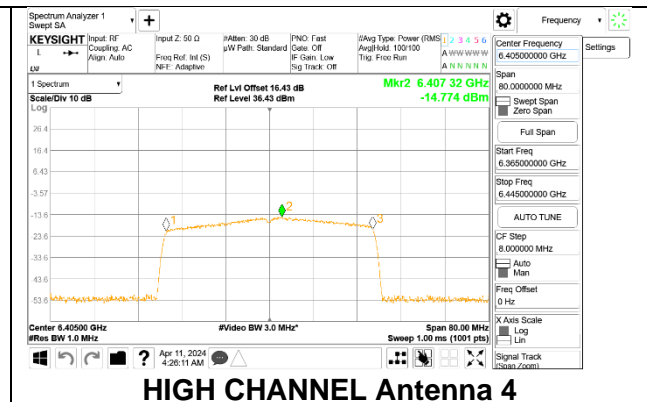
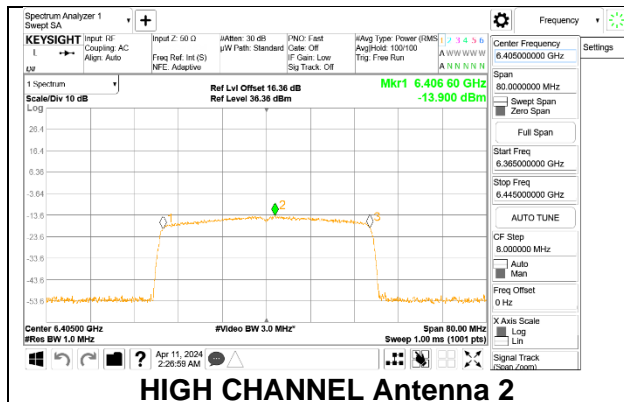
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



### 9.4.3. 802.11ax HE80 MODE 2TX IN THE UNII-5 BAND

#### 2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-11          |

#### Bandwidth, Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | e.i.r.p.<br>Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------------------|-----------------------|
| Low     | 5985               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |
| Mld     | 6145               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |
| High    | 6385               | 5.80                                      | 8.00                                    | 24.00                               | -1.00                 |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 2.38 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

#### Output Power Results

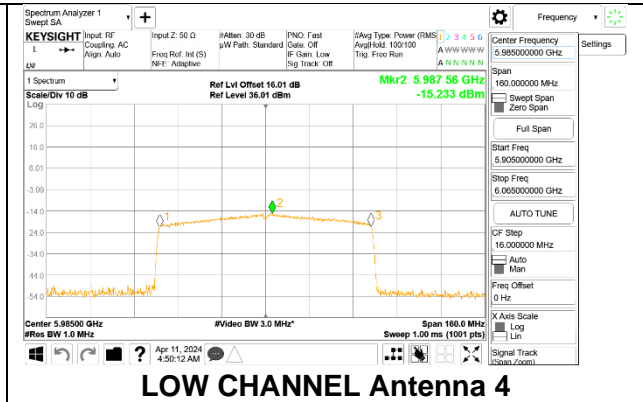
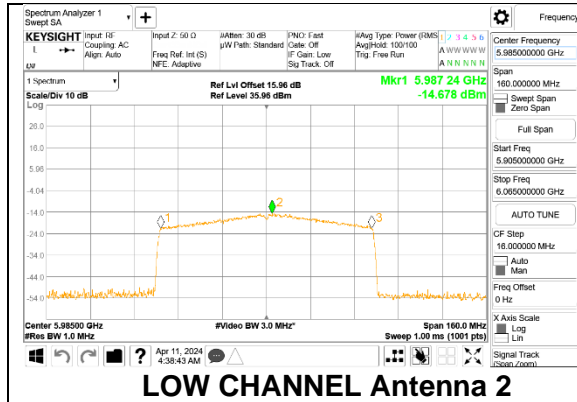
| Channel | Frequency<br>(MHz) | Antenna 2<br>Meas<br>Power<br>(dBm) | Antenna 4<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>EIRP<br>(dBm) | Power<br>Limit<br>EIRP<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|----------------------------------|---------------------------------|-------------------------|
| Low     | 5985               | 2.31                                | 2.63                                | 11.28                            | 24.00                           | -12.72                  |
| Mld     | 6145               | 3.29                                | 3.81                                | 12.37                            | 24.00                           | -11.63                  |
| High    | 6385               | 4.08                                | 2.35                                | 12.11                            | 24.00                           | -11.89                  |

#### PSD Results

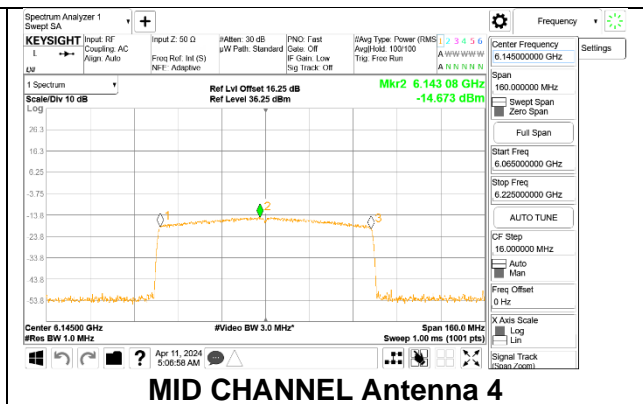
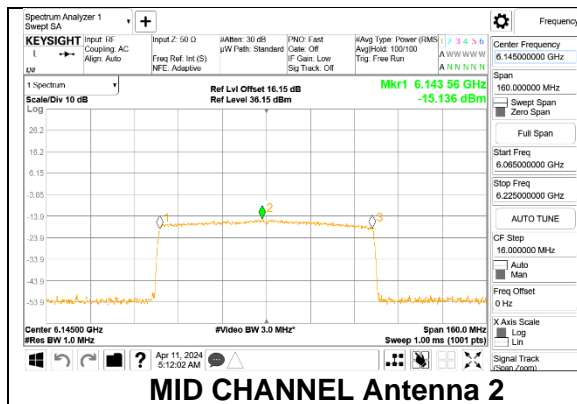
| Channel | Frequency<br>(MHz) | Antenna 2<br>Meas<br>PSD<br>(dBm) | Antenna 4<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5985               | -14.678                           | -15.233                           | -1.56                           | -1.00                 | -0.56                 |
| Mld     | 6145               | -15.136                           | -14.673                           | -1.51                           | -1.00                 | -0.51                 |
| High    | 6385               | -14.608                           | -15.293                           | -1.55                           | -1.00                 | -0.55                 |



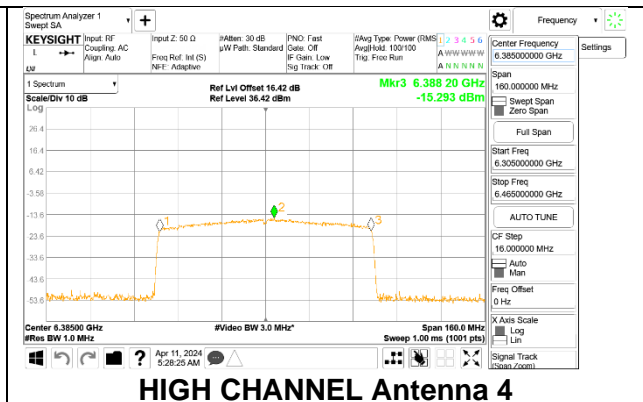
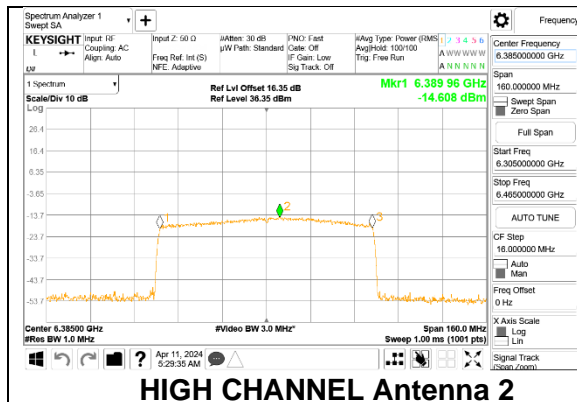
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



### 9.4.4. 802.11ax HE20 MODE 2TX IN THE UNII-6 BAND

#### 2TX Antenna 1 + Antenna 3 CDD OFDMA MODE: SU, Single User

|                       |                     |
|-----------------------|---------------------|
| <b>Test Engineer:</b> | ZS16080 and JB45256 |
| <b>Test Date:</b>     | 2024-04-11          |

#### Bandwidth, Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | e.i.r.p. Power Limit (dBm) | PSD Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|-----------------|
| Low     | 6435            | 2.90                             | 5.80                           | 24.00                      | -1.00           |
| Mid     | 6475            | 2.90                             | 5.80                           | 24.00                      | -1.00           |
| High    | 6515            | 2.90                             | 5.80                           | 24.00                      | -1.00           |

|                           |      |                                        |
|---------------------------|------|----------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.74 | Included in Calculations of Corr'd PSD |
|---------------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 3 Meas Power (dBm) | Total Corr'd EIRP (dBm) | Power Limit EIRP (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|-------------------------|------------------------|-------------------|
| Low     | 6435            | 0.20                       | 0.35                       | 6.19                    | 24.00                  | -17.81            |
| Mid     | 6475            | 0.54                       | 0.70                       | 6.53                    | 24.00                  | -17.47            |
| High    | 6515            | 0.42                       | 0.81                       | 6.53                    | 24.00                  | -17.47            |

#### PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm) | Antenna 3 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|------------------------|-----------------|-----------------|
| Low     | 6435            | -12.191                  | -10.654                  | -1.80                  | -1.00           | -0.80           |
| Mid     | 6475            | -11.517                  | -10.680                  | -1.53                  | -1.00           | -0.53           |
| High    | 6515            | -12.007                  | -10.831                  | -1.83                  | -1.00           | -0.83           |