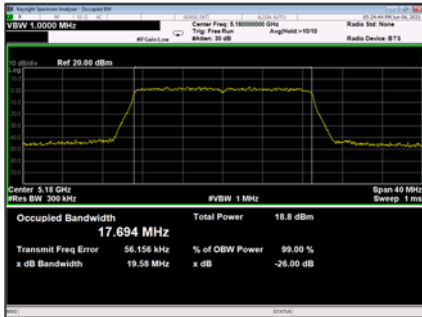


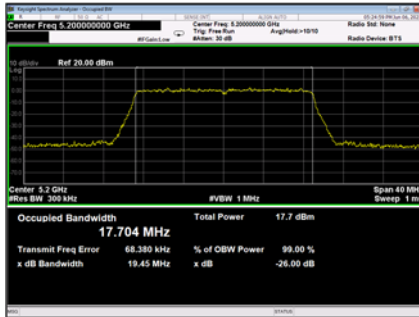
## UNII-1\_TX AC (VHT20) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 36      | 5180            | 19.58                 | 17.694                        |
| 40      | 5200            | 19.45                 | 17.704                        |
| 48      | 5240            | 19.59                 | 17.670                        |

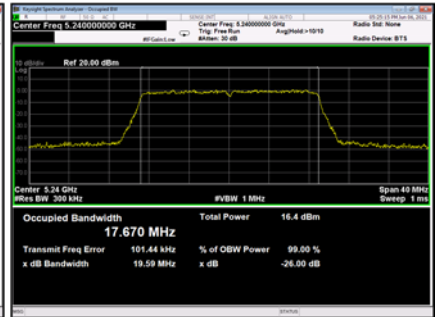
CH36



CH40



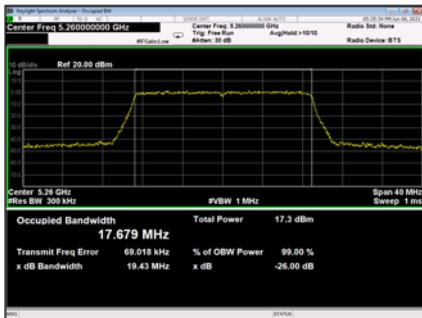
CH48



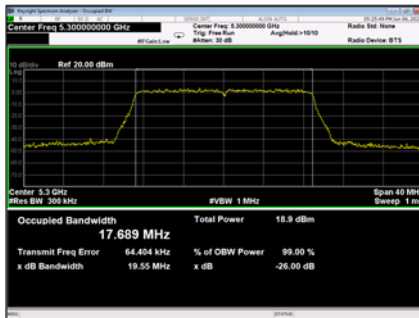
## UNII-2A\_TX AC (VHT20) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 52      | 5260            | 19.43                 | 17.679                        |
| 60      | 5300            | 19.55                 | 17.689                        |
| 64      | 5320            | 19.54                 | 17.686                        |

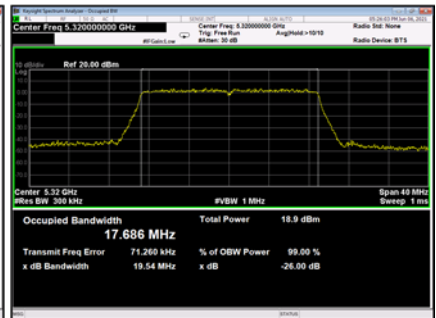
CH52



CH60



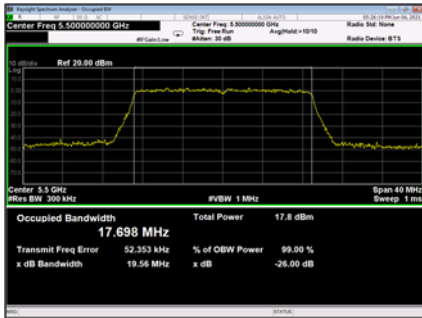
CH64



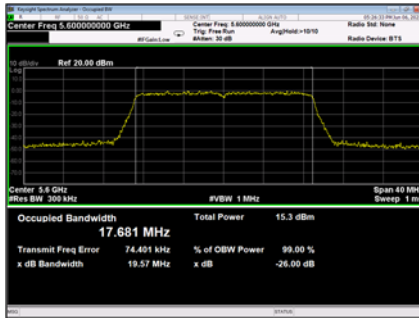
## UNII-2C\_TX AC (VHT20) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 100     | 5500            | 19.56                 | 17.698                        |
| 120     | 5600            | 19.57                 | 17.681                        |
| 140     | 5700            | 19.42                 | 17.667                        |

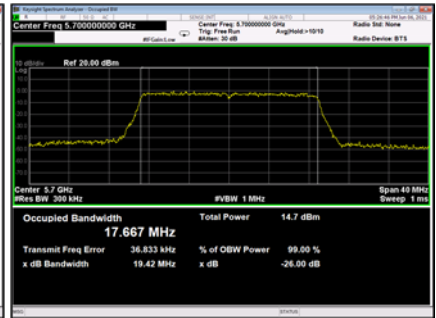
CH100



CH120



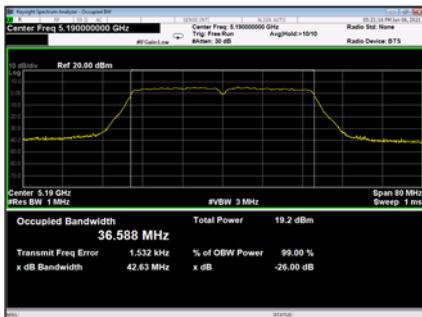
CH140



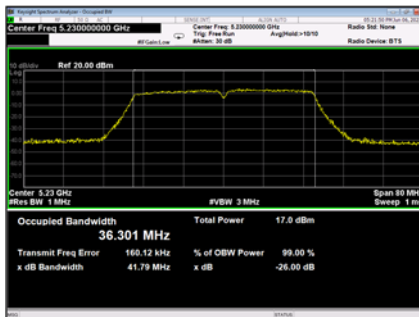
## UNII-1\_TX AC (VHT40) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 38      | 5190            | 42.63                 | 36.588                        |
| 46      | 5230            | 41.79                 | 36.301                        |

CH38



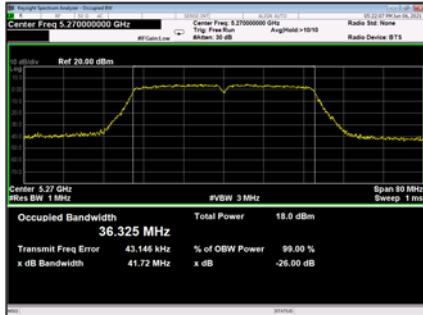
CH46



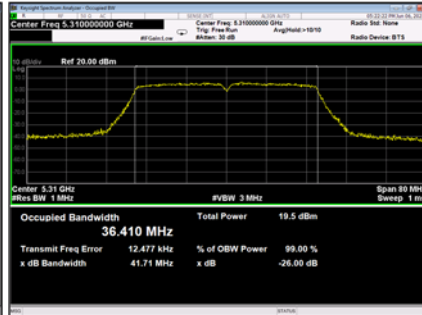
## UNII-2A\_TX AC (VHT40) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 54      | 5270            | 41.72                 | 36.325                        |
| 62      | 5310            | 41.71                 | 36.410                        |

CH54



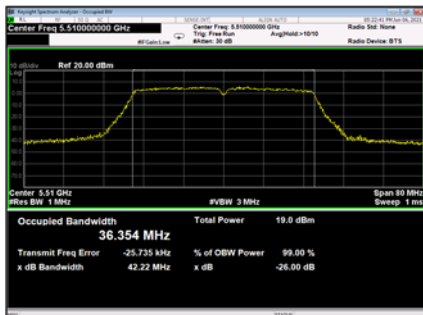
CH62



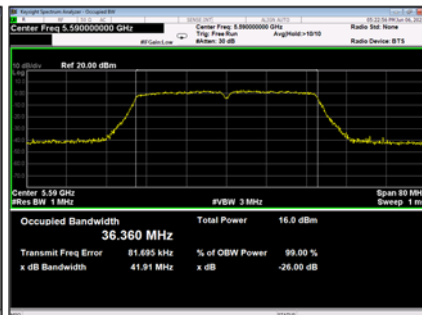
## UNII-2C\_TX AC (VHT40) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 102     | 5510            | 42.22                 | 36.354                        |
| 118     | 5590            | 41.91                 | 36.360                        |
| 134     | 5670            | 41.97                 | 36.320                        |

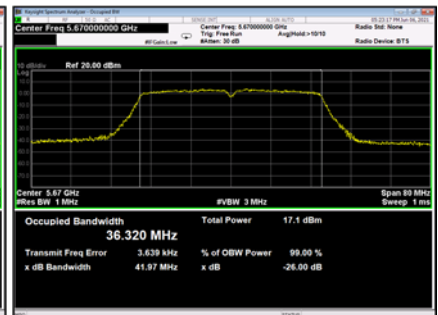
CH102



CH118



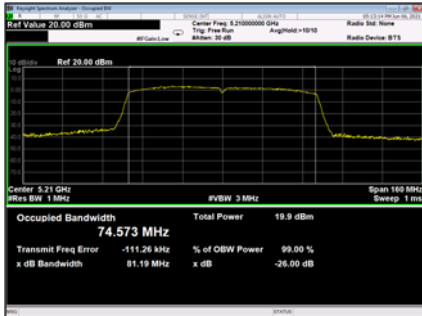
CH134



## UNII-1\_TX AC (VHT80) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 42      | 5210            | 81.19                 | 74.573                        |

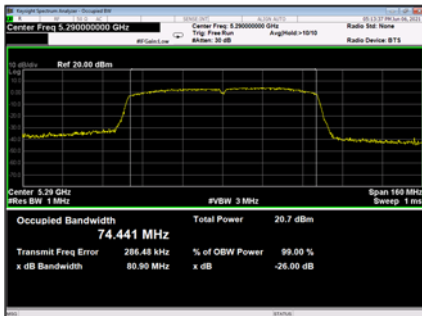
### CH42



## UNII-2A\_TX AC (VHT80) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 58      | 5290            | 80.90                 | 74.441                        |

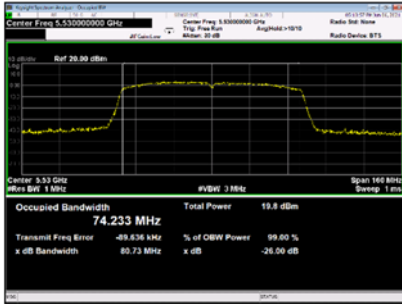
### CH58



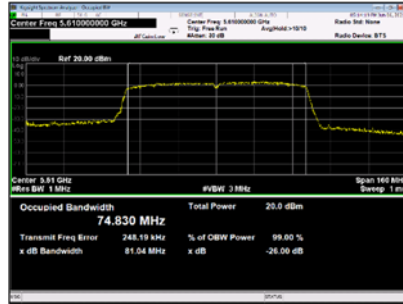
## UNII-2C\_TX AC (VHT80) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 106     | 5530            | 80.73                 | 74.233                        |
| 122     | 5610            | 81.04                 | 74.830                        |

CH106



CH122

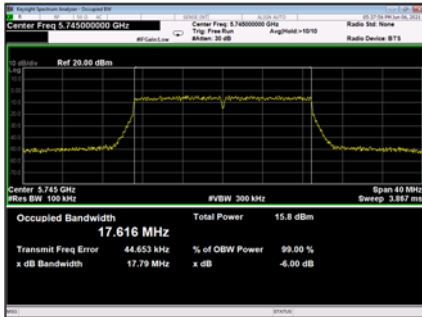


## UNII-3\_TX AC (VHT20) Mode

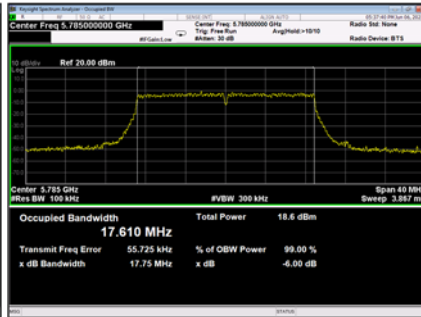
| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 149     | 5745            | 17.79                | 17.681                      | 500                           | PASS   |
| 157     | 5785            | 17.75                | 17.705                      | 500                           | PASS   |
| 165     | 5825            | 17.77                | 17.713                      | 500                           | PASS   |

### 6 dB Bandwidth

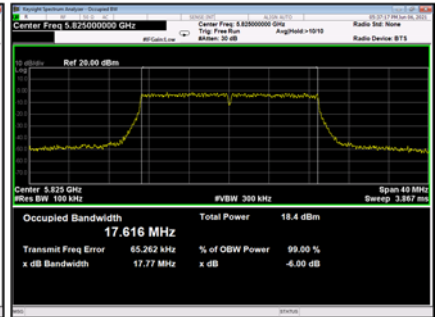
CH149



CH157

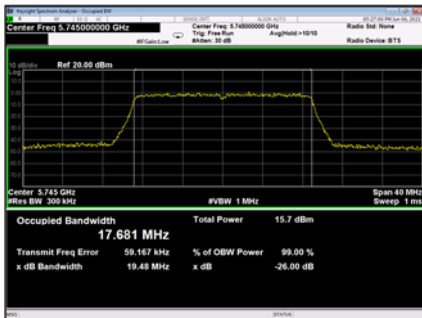


CH165

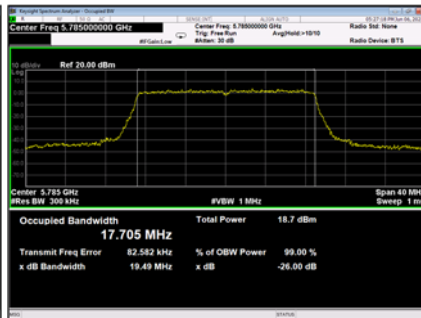


### 99% Emission Bandwidth

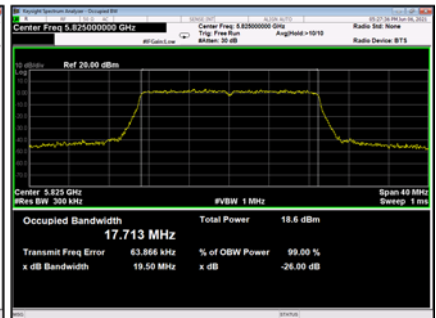
CH149



CH157



CH165

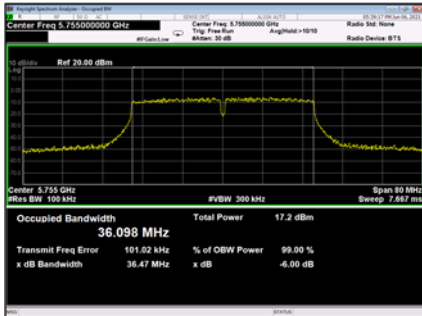


## UNII-3\_TX AC (VHT40) Mode

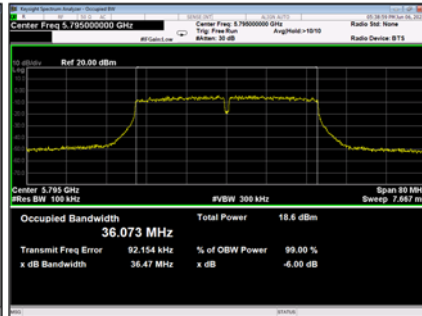
| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 151     | 5755            | 36.47                | 36.466                      | 500                           | PASS   |
| 159     | 5795            | 36.47                | 36.325                      | 500                           | PASS   |

### 6 dB Bandwidth

#### CH151

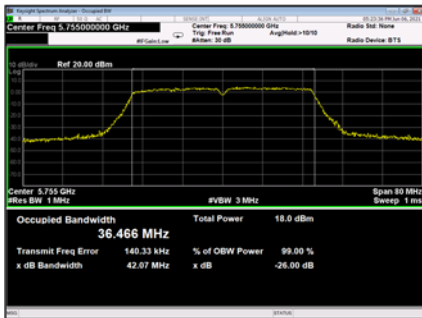


#### CH159

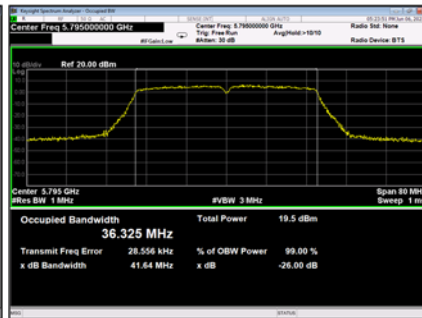


### 99% Emission Bandwidth

#### CH151



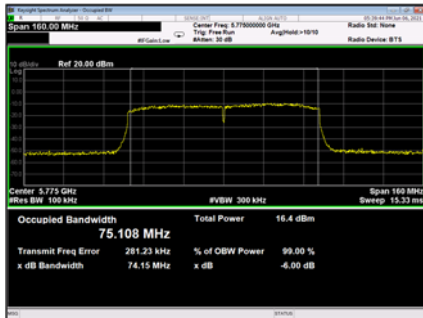
#### CH159



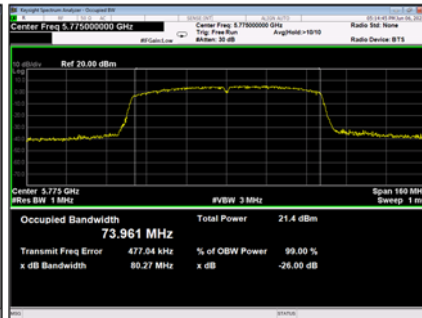
## UNII-3\_TX AC (VHT80) Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 155     | 5775            | 74.15                | 73.961                      | 500                           | PASS   |

**6 dB Bandwidth  
CH155**



**99% Emission Bandwidth  
CH155**





## 7 MAXIMUM OUTPUT POWER TEST

### 7.1 LIMIT

| FCC Part15, Subpart E (15.407)&RSS-247 |                      |                                                                      |                       |
|----------------------------------------|----------------------|----------------------------------------------------------------------|-----------------------|
| Section                                | Test Item            | Limit                                                                | Frequency Range (MHz) |
| RSS-247<br>6.2.1.1                     | EIRP Output Power    | not exceed 200 mW or $10 + 10 \log B$ , dBm, whichever power is less | 5150-5250             |
| 15.407(a)                              | Maximum Output Power | AP device: 1 Watt (30dBm)<br>Client device: 250mW (24dBm)            | 5150-5250             |
| 15.407(a)<br>RSS-247<br>6.2.4.1        | Maximum Output Power | 1 Watt (30dBm)                                                       | 5725-5850             |

Note:

- a. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- b. B is the 99% emission bandwidth in megahertz.

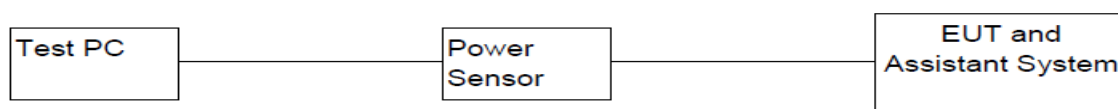
### 7.2 TEST PROCEDURE AND SETTING

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- c.  $EIRP \text{ Power} = \text{Output Power} + \text{Directional Gain}$   
MIMO Directional Gain = Ant 1 Gain + Ant 2 Gain = 3dBi + 3dBi = 6.01dBi

### 7.3 MEASUREMENT INSTRUMENTS LIST

| Item | Equipment     | Manufacturer  | Model No.   | Serial No. | Calibrated until |
|------|---------------|---------------|-------------|------------|------------------|
| 1    | Power Sensor  | KEYSIGHT      | U2021XA     | MY55240009 | 05/23/2022       |
| 2    | Attenuator    | Mini-Circuits | BW-S10W2    | 101109     | N/A              |
| 3    | RF Cable      | Micable       | C10-01-01-1 | 100309     | N/A              |
| 4    | Test Software | KEYSIGHT      | Power Panel | V3.11      | N/A              |

### 7.4 TEST SETUP



### 7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

## 7.6 TEST RESULTS

### UNII-1\_TX A Mode\_Ant 1 For FCC

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 36      | 5180            | 14.22              | 0.00        | 14.22                            | 24.00            | 0.25           | PASS   |
| 40      | 5200            | 14.17              | 0.00        | 14.17                            | 24.00            | 0.25           | PASS   |
| 48      | 5240            | 14.68              | 0.00        | 14.68                            | 24.00            | 0.25           | PASS   |

### UNII-1\_TX A Mode\_Ant 2For FCC

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 36      | 5180            | 14.78              | 0.00        | 14.78                            | 24.00            | 0.25           | PASS   |
| 40      | 5200            | 14.82              | 0.00        | 14.82                            | 24.00            | 0.25           | PASS   |
| 48      | 5240            | 14.64              | 0.00        | 14.64                            | 24.00            | 0.25           | PASS   |

### UNII-1\_TX A Mode\_Ant 1 For IC

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | EIRP + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|--------------------------|------------------|----------------|--------|
| 36      | 5180            | 17.22              | 0.00        | 17.22                    | 23.00            | 0.2            | PASS   |
| 40      | 5200            | 17.17              | 0.00        | 17.17                    | 23.00            | 0.2            | PASS   |
| 48      | 5240            | 17.68              | 0.00        | 17.68                    | 23.00            | 0.2            | PASS   |

### UNII-1\_TX A Mode\_Ant 2 For IC

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | EIRP + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|--------------------------|------------------|----------------|--------|
| 36      | 5180            | 17.78              | 0.00        | 17.78                    | 23.00            | 0.2            | PASS   |
| 40      | 5200            | 17.82              | 0.00        | 17.82                    | 23.00            | 0.2            | PASS   |
| 48      | 5240            | 17.64              | 0.00        | 17.64                    | 23.00            | 0.2            | PASS   |

**UNII-2A\_TX A Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 52      | 5260            | 14.47              | 0.00        | 14.47                            | 24.00            | 0.25           | PASS   |
| 60      | 5300            | 14.59              | 0.00        | 14.59                            | 24.00            | 0.25           | PASS   |
| 64      | 5320            | 14.59              | 0.00        | 14.59                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX A Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 52      | 5260            | 14.57              | 0.00        | 14.57                            | 24.00            | 0.25           | PASS   |
| 60      | 5300            | 14.36              | 0.00        | 14.36                            | 24.00            | 0.25           | PASS   |
| 64      | 5320            | 14.47              | 0.00        | 14.47                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX A Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 100     | 5500            | 14.99              | 0.00        | 14.99                            | 24.00            | 0.25           | PASS   |
| 120     | 5600            | 14.82              | 0.00        | 14.82                            | 24.00            | 0.25           | PASS   |
| 140     | 5700            | 14.85              | 0.00        | 14.85                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX A Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 100     | 5500            | 14.88              | 0.00        | 14.88                            | 24.00            | 0.25           | PASS   |
| 120     | 5600            | 14.75              | 0.00        | 14.75                            | 24.00            | 0.25           | PASS   |
| 140     | 5700            | 14.63              | 0.00        | 14.63                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX N (HT20) Mode _Ant 1 |                 |                    |             |                                  |                  |                |        |
|--------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                        | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36                             | 5180            | 13.58              | 0.00        | 13.58                            | 24.00            | 0.25           | PASS   |
| 40                             | 5200            | 13.31              | 0.00        | 13.31                            | 24.00            | 0.25           | PASS   |
| 48                             | 5240            | 13.43              | 0.00        | 13.43                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX N (HT20) Mode _Ant 2 |                 |                    |             |                                  |                  |                |        |
|--------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                        | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36                             | 5180            | 13.62              | 0.00        | 13.62                            | 24.00            | 0.25           | PASS   |
| 40                             | 5200            | 13.57              | 0.00        | 13.57                            | 24.00            | 0.25           | PASS   |
| 48                             | 5240            | 13.28              | 0.00        | 13.28                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX N (HT20) Mode _Total For FCC |                 |                    |                  |                |        |
|----------------------------------------|-----------------|--------------------|------------------|----------------|--------|
| Channel                                | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36                                     | 5180            | 16.61              | 24.00            | 0.25           | PASS   |
| 40                                     | 5200            | 16.45              | 24.00            | 0.25           | PASS   |
| 48                                     | 5240            | 16.37              | 24.00            | 0.25           | PASS   |

| UNII-1_TX N (HT20) Mode _Total For IC |                 |                  |                  |                |        |
|---------------------------------------|-----------------|------------------|------------------|----------------|--------|
| Channel                               | Frequency (MHz) | EIRP Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36                                    | 5180            | 22.62            | 23.00            | 0.2            | PASS   |
| 40                                    | 5200            | 22.46            | 23.00            | 0.2            | PASS   |
| 48                                    | 5240            | 22.38            | 23.00            | 0.2            | PASS   |

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

**UNII-2A\_TX N (HT20) Mode \_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 52      | 5260            | 14.26              | 0.00        | 14.26                            | 24.00            | 0.25           | PASS   |
| 60      | 5300            | 14.19              | 0.00        | 14.19                            | 24.00            | 0.25           | PASS   |
| 64      | 5320            | 14.82              | 0.00        | 14.82                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX N (HT20) Mode \_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 52      | 5260            | 14.41              | 0.00        | 14.41                            | 24.00            | 0.25           | PASS   |
| 60      | 5300            | 14.36              | 0.00        | 14.36                            | 24.00            | 0.25           | PASS   |
| 64      | 5320            | 14.18              | 0.00        | 14.18                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX N (HT20) Mode \_Total**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 52      | 5260            | 17.35              | 24.00            | 0.25           | PASS   |
| 60      | 5300            | 17.29              | 24.00            | 0.25           | PASS   |
| 64      | 5320            | 17.52              | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX N (HT20) Mode \_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 100     | 5500            | 14.31              | 0.00        | 14.31                            | 24.00            | 0.25           | PASS   |
| 120     | 5600            | 14.56              | 0.00        | 14.56                            | 24.00            | 0.25           | PASS   |
| 140     | 5700            | 14.39              | 0.00        | 14.69                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX N (HT20) Mode \_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 100     | 5500            | 14.29              | 0.00        | 14.29                            | 24.00            | 0.25           | PASS   |
| 120     | 5600            | 14.44              | 0.00        | 14.44                            | 24.00            | 0.25           | PASS   |
| 140     | 5700            | 14.38              | 0.00        | 14.38                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX N (HT20) Mode \_Total**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 100     | 5500            | 17.31              | 24.00            | 0.25           | PASS   |
| 120     | 5600            | 17.51              | 24.00            | 0.25           | PASS   |
| 140     | 5700            | 17.40              | 24.00            | 0.25           | PASS   |

| UNII-1_TX N (HT40) Mode_Ant 1 |                 |                    |             |                                  |                  |                |        |
|-------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                       | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38                            | 5190            | 13.87              | 0.00        | 13.87                            | 24.00            | 0.25           | PASS   |
| 46                            | 5230            | 13.69              | 0.00        | 13.69                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX N (HT40) Mode_Ant 2 |                 |                    |             |                                  |                  |                |        |
|-------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                       | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38                            | 5190            | 13.75              | 0.00        | 13.75                            | 24.00            | 0.25           | PASS   |
| 46                            | 5230            | 13.66              | 0.00        | 13.66                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX N (HT40) Mode_Total For FCC |                 |                    |                  |                |        |
|---------------------------------------|-----------------|--------------------|------------------|----------------|--------|
| Channel                               | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38                                    | 5190            | 16.82              | 24.00            | 0.25           | PASS   |
| 46                                    | 5230            | 16.69              | 24.00            | 0.25           | PASS   |

| UNII-1_TX N (HT40) Mode_Total For IC |                 |                  |                  |                |        |
|--------------------------------------|-----------------|------------------|------------------|----------------|--------|
| Channel                              | Frequency (MHz) | EIRP Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38                                   | 5190            | 22.83            | 23.00            | 0.2            | PASS   |
| 46                                   | 5230            | 22.70            | 23.00            | 0.2            | PASS   |

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

**UNII-2A\_TX N (HT40) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 54      | 5270            | 14.19              | 0.00        | 14.19                            | 24.00            | 0.25           | PASS   |
| 62      | 5310            | 14.36              | 0.00        | 14.36                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX N (HT40) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 54      | 5270            | 14.64              | 0.00        | 14.64                            | 24.00            | 0.25           | PASS   |
| 62      | 5310            | 14.27              | 0.00        | 14.27                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX N (HT40) Mode\_Total For FCC**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 54      | 5270            | 17.43              | 24.00            | 0.25           | PASS   |
| 62      | 5310            | 17.33              | 24.00            | 0.25           | PASS   |



**UNII-2C\_TX N (HT40) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 102     | 5510            | 14.72              | 0.00        | 14.72                            | 24.00            | 0.25           | PASS   |
| 118     | 5590            | 14.46              | 0.00        | 14.46                            | 24.00            | 0.25           | PASS   |
| 134     | 5670            | 14.39              | 0.00        | 14.39                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX N (HT40) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 102     | 5510            | 14.35              | 0.00        | 14.35                            | 24.00            | 0.25           | PASS   |
| 118     | 5590            | 14.66              | 0.00        | 14.66                            | 24.00            | 0.25           | PASS   |
| 134     | 5670            | 14.54              | 0.00        | 14.54                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX N (HT40) Mode\_Total For FCC**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 102     | 5510            | 17.55              | 24.00            | 0.25           | PASS   |
| 118     | 5590            | 17.57              | 24.00            | 0.25           | PASS   |
| 134     | 5670            | 17.48              | 24.00            | 0.25           | PASS   |

| UNII-3_TX A Mode_Ant1 |                 |                    |             |                                  |                  |                |        |
|-----------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel               | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149                   | 5745            | 14.19              | 0           | 14.19                            | 30.00            | 1.00           | PASS   |
| 157                   | 5785            | 14.65              | 0           | 14.65                            | 30.00            | 1.00           | PASS   |
| 165                   | 5825            | 14.23              | 0           | 14.23                            | 30.00            | 1.00           | PASS   |

| UNII-3_TX A Mode_Ant2 |                 |                    |             |                                  |                  |                |        |
|-----------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel               | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149                   | 5745            | 14.38              | 0           | 14.38                            | 30.00            | 1.00           | PASS   |
| 157                   | 5785            | 14.54              | 0           | 14.54                            | 30.00            | 1.00           | PASS   |
| 165                   | 5825            | 14.33              | 0           | 14.33                            | 30.00            | 1.00           | PASS   |

| UNII-3_TX N (HT20) Mode_Ant1 |                 |                    |             |                                  |                  |                |        |
|------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                      | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149                          | 5745            | 14.47              | 0.00        | 14.47                            | 30.00            | 1.00           | PASS   |
| 157                          | 5785            | 14.58              | 0.00        | 14.58                            | 30.00            | 1.00           | PASS   |
| 165                          | 5825            | 14.66              | 0.00        | 14.66                            | 30.00            | 1.00           | PASS   |

| UNII-3_TX N (HT20) Mode_Ant 2 |                 |                    |             |                                  |                  |                |        |
|-------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                       | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149                           | 5745            | 14.08              | 0.00        | 14.08                            | 30.00            | 1.00           | PASS   |
| 157                           | 5785            | 14.52              | 0.00        | 14.52                            | 30.00            | 1.00           | PASS   |
| 165                           | 5825            | 14.31              | 0.00        | 14.31                            | 30.00            | 1.00           | PASS   |

| UNII-3_TX N (HT20) Mode_Total |                 |                    |                  |                |        |
|-------------------------------|-----------------|--------------------|------------------|----------------|--------|
| Channel                       | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149                           | 5745            | 17.29              | 30.00            | 1.00           | PASS   |
| 157                           | 5785            | 17.56              | 30.00            | 1.00           | PASS   |
| 165                           | 5825            | 17.50              | 30.00            | 1.00           | PASS   |

**UNII-3\_TX N (HT40) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 151     | 5755            | 14.83              | 0.00        | 14.83                            | 30.00            | 1.00           | PASS   |
| 159     | 5795            | 14.64              | 0.00        | 14.64                            | 30.00            | 1.00           | PASS   |

**UNII-3\_TX N (HT40) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 151     | 5755            | 14.39              | 0.00        | 14.39                            | 30.00            | 1.00           | PASS   |
| 159     | 5795            | 14.71              | 0.00        | 14.71                            | 30.00            | 1.00           | PASS   |

**UNII-3\_TX N (HT40) Mode\_Total**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 151     | 5755            | 17.63              | 30.00            | 1.00           | PASS   |
| 159     | 5795            | 17.69              | 30.00            | 1.00           | PASS   |

| UNII-1_TX AC (VHT20) Mode_Ant 1 |                 |                    |             |                                  |                  |                |        |
|---------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                         | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36                              | 5180            | 12.52              | 0.00        | 12.52                            | 24.00            | 0.25           | PASS   |
| 40                              | 5200            | 12.39              | 0.00        | 12.39                            | 24.00            | 0.25           | PASS   |
| 48                              | 5240            | 12.64              | 0.00        | 12.64                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT20) Mode_Ant 2 |                 |                    |             |                                  |                  |                |        |
|---------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                         | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36                              | 5180            | 12.55              | 0.00        | 12.55                            | 24.00            | 0.25           | PASS   |
| 40                              | 5200            | 12.09              | 0.00        | 12.09                            | 24.00            | 0.25           | PASS   |
| 48                              | 5240            | 12.52              | 0.00        | 12.52                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT20) Mode_Total For FCC |                 |                    |                  |                |        |
|-----------------------------------------|-----------------|--------------------|------------------|----------------|--------|
| Channel                                 | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36                                      | 5180            | 15.55              | 24.00            | 0.25           | PASS   |
| 40                                      | 5200            | 15.25              | 24.00            | 0.25           | PASS   |
| 48                                      | 5240            | 15.59              | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT20) Mode_Total For IC |                 |                  |                  |                |        |
|----------------------------------------|-----------------|------------------|------------------|----------------|--------|
| Channel                                | Frequency (MHz) | EIRP Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36                                     | 5180            | 21.56            | 23.00            | 0.2            | PASS   |
| 40                                     | 5200            | 21.26            | 23.00            | 0.2            | PASS   |
| 48                                     | 5240            | 21.60            | 23.00            | 0.2            | PASS   |

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

| UNII-2A_TX AC (VHT20) Mode_Ant 1 |                 |                    |             |                                  |                  |                |        |
|----------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                          | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 52                               | 5260            | 12.73              | 0.00        | 12.73                            | 24.00            | 0.25           | PASS   |
| 60                               | 5300            | 12.82              | 0.00        | 12.82                            | 24.00            | 0.25           | PASS   |
| 64                               | 5320            | 12.46              | 0.00        | 12.46                            | 24.00            | 0.25           | PASS   |

| UNII-2A_TX AC (VHT20) Mode_Ant 2 |                 |                    |             |                                  |                  |                |        |
|----------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                          | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 52                               | 5260            | 12.38              | 0.00        | 12.38                            | 24.00            | 0.25           | PASS   |
| 60                               | 5300            | 12.64              | 0.00        | 12.64                            | 24.00            | 0.25           | PASS   |
| 64                               | 5320            | 12.57              | 0.00        | 12.57                            | 24.00            | 0.25           | PASS   |

| UNII-2A_TX AC (VHT20) Mode_Total |                 |                    |                  |                |        |
|----------------------------------|-----------------|--------------------|------------------|----------------|--------|
| Channel                          | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 52                               | 5260            | 15.57              | 24.00            | 0.25           | PASS   |
| 60                               | 5300            | 15.74              | 24.00            | 0.25           | PASS   |
| 64                               | 5320            | 15.53              | 24.00            | 0.25           | PASS   |

| UNII-2C_TX AC (VHT20) Mode_Ant 1 |                 |                    |             |                                  |                  |                |        |
|----------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                          | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 100                              | 5500            | 12.59              | 0.00        | 12.59                            | 24.00            | 0.25           | PASS   |
| 120                              | 5600            | 12.66              | 0.00        | 12.66                            | 24.00            | 0.25           | PASS   |
| 140                              | 5700            | 12.38              | 0.00        | 12.38                            | 24.00            | 0.25           | PASS   |

| UNII-2C_TX AC (VHT20) Mode_Ant 2 |                 |                    |             |                                  |                  |                |        |
|----------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                          | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 100                              | 5500            | 12.63              | 0.00        | 12.63                            | 24.00            | 0.25           | PASS   |
| 120                              | 5600            | 12.76              | 0.00        | 12.76                            | 24.00            | 0.25           | PASS   |
| 140                              | 5700            | 12.91              | 0.00        | 12.91                            | 24.00            | 0.25           | PASS   |

| UNII-2C_TX AC (VHT20) Mode_Total |                 |                    |                  |                |        |
|----------------------------------|-----------------|--------------------|------------------|----------------|--------|
| Channel                          | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 100                              | 5500            | 15.62              | 24.00            | 0.25           | PASS   |
| 120                              | 5600            | 15.72              | 24.00            | 0.25           | PASS   |
| 140                              | 5700            | 15.66              | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT40) Mode_Ant 1 |                 |                    |             |                                  |                  |                |        |
|---------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                         | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38                              | 5190            | 12.88              | 0.00        | 12.88                            | 24.00            | 0.25           | PASS   |
| 46                              | 5230            | 12.81              | 0.00        | 12.81                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT40) Mode_Ant 2 |                 |                    |             |                                  |                  |                |        |
|---------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                         | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38                              | 5190            | 12.85              | 0.00        | 12.85                            | 24.00            | 0.25           | PASS   |
| 46                              | 5230            | 12.49              | 0.00        | 12.49                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT40) Mode_Total For FCC |                 |                    |                  |                |        |
|-----------------------------------------|-----------------|--------------------|------------------|----------------|--------|
| Channel                                 | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38                                      | 5190            | 15.88              | 24.00            | 0.25           | PASS   |
| 46                                      | 5230            | 15.66              | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT40) Mode_Total For IC |                 |                   |                  |                |        |
|----------------------------------------|-----------------|-------------------|------------------|----------------|--------|
| Channel                                | Frequency (MHz) | EIRP Power (dBm)) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38                                     | 5190            | 21.89             | 23.00            | 0.2            | PASS   |
| 46                                     | 5230            | 21.67             | 23.00            | 0.2            | PASS   |

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi



**UNII-2A\_TX AC (VHT40) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 54      | 5270            | 12.63              | 0.00        | 12.63                            | 24.00            | 0.25           | PASS   |
| 62      | 5310            | 12.36              | 0.00        | 12.36                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX AC (VHT40) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 54      | 5270            | 12.58              | 0.00        | 12.58                            | 24.00            | 0.25           | PASS   |
| 62      | 5310            | 12.41              | 0.00        | 12.41                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX AC (VHT40) Mode\_Total For FCC**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 54      | 5270            | 15.62              | 24.00            | 0.25           | PASS   |
| 62      | 5310            | 15.40              | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX AC (VHT40) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 102     | 5510            | 12.91              | 0.00        | 12.91                            | 24.00            | 0.25           | PASS   |
| 118     | 5590            | 12.77              | 0.00        | 12.77                            | 24.00            | 0.25           | PASS   |
| 134     | 5670            | 12.66              | 0.00        | 12.66                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX AC (VHT40) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 102     | 5510            | 12.76              | 0.00        | 12.76                            | 24.00            | 0.25           | PASS   |
| 118     | 5590            | 12.64              | 0.00        | 12.64                            | 24.00            | 0.25           | PASS   |
| 134     | 5670            | 12.91              | 0.00        | 12.91                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX AC (VHT40) Mode\_Total For FCC**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 102     | 5510            | 15.85              | 24.00            | 0.25           | PASS   |
| 118     | 5590            | 15.72              | 24.00            | 0.25           | PASS   |
| 134     | 5670            | 15.80              | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT80) Mode_Ant 1 |                 |                    |             |                                  |                  |                |        |
|---------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                         | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 42                              | 5210            | 12.70              | 0.00        | 12.70                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT80) Mode_Ant 2 |                 |                    |             |                                  |                  |                |        |
|---------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel                         | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 42                              | 5210            | 12.83              | 0.00        | 12.83                            | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT80) Mode_Total For FCC |                 |                    |                  |                |        |
|-----------------------------------------|-----------------|--------------------|------------------|----------------|--------|
| Channel                                 | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 42                                      | 5210            | 15.78              | 24.00            | 0.25           | PASS   |

| UNII-1_TX AC (VHT80) Mode_Total For IC |                 |                  |                  |                |        |
|----------------------------------------|-----------------|------------------|------------------|----------------|--------|
| Channel                                | Frequency (MHz) | EIRP Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 42                                     | 5210            | 21.79            | 23.00            | 0.2            | PASS   |

EIRP Power=Output Power+Directional Gain

MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

**UNII-2A\_TX AC (VHT80) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 58      | 5290            | 12.48              | 0.00        | 12.48                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX AC (VHT80) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 58      | 5290            | 12.48              | 0.00        | 12.48                            | 24.00            | 0.25           | PASS   |

**UNII-2A\_TX AC (VHT80) Mode\_Total For FCC**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 58      | 5290            | 15.49              | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX AC (VHT80) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 106     | 5530            | 12.82              | 0.00        | 12.82                            | 24.00            | 0.25           | PASS   |
| 122     | 5610            | 12.41              | 0.00        | 12.41                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX AC (VHT80) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 106     | 5530            | 12.76              | 0.00        | 12.76                            | 24.00            | 0.25           | PASS   |
| 122     | 5610            | 12.51              | 0.00        | 12.51                            | 24.00            | 0.25           | PASS   |

**UNII-2C\_TX AC (VHT80) Mode\_Total For FCC**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 106     | 5530            | 15.80              | 24.00            | 0.25           | PASS   |
| 122     | 5610            | 15.47              | 24.00            | 0.25           | PASS   |

**UNII-3\_TX AC (VHT20) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 149     | 5745            | 12.18              | 0.00        | 12.18                            | 30.00            | 1.00           | PASS   |
| 157     | 5785            | 12.34              | 0.00        | 12.34                            | 30.00            | 1.00           | PASS   |
| 165     | 5825            | 12.92              | 0.00        | 12.92                            | 30.00            | 1.00           | PASS   |

**UNII-3\_TX AC (VHT20) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 149     | 5745            | 12.35              | 0.00        | 12.35                            | 30.00            | 1.00           | PASS   |
| 157     | 5785            | 12.73              | 0.00        | 12.73                            | 30.00            | 1.00           | PASS   |
| 165     | 5825            | 12.66              | 0.00        | 12.66                            | 30.00            | 1.00           | PASS   |

**UNII-3\_TX AC (VHT20) Mode\_Total**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 149     | 5745            | 15.28              | 30.00            | 1.00           | PASS   |
| 157     | 5785            | 15.55              | 30.00            | 1.00           | PASS   |
| 165     | 5825            | 15.80              | 30.00            | 1.00           | PASS   |

**UNII-3\_TX AC (VHT40) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 151     | 5755            | 12.88              | 0.00        | 12.88                            | 30.00            | 1.00           | PASS   |
| 159     | 5795            | 12.84              | 0.00        | 12.84                            | 30.00            | 1.00           | PASS   |

**UNII-3\_TX AC (VHT40) Mode\_Ant 2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 151     | 5755            | 12.76              | 0.00        | 12.76                            | 30.00            | 1.00           | PASS   |
| 159     | 5795            | 12.68              | 0.00        | 12.68                            | 30.00            | 1.00           | PASS   |

**UNII-3\_TX AC (VHT40) Mode\_Total**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 151     | 5755            | 15.83              | 30.00            | 1.00           | PASS   |
| 159     | 5795            | 15.77              | 30.00            | 1.00           | PASS   |

**UNII-3\_TX AC (VHT80) Mode\_Ant 1**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 155     | 5775            | 12.74              | 0.00        | 12.74                            | 30.00            | 1.00           | PASS   |

**UNII-3\_TX AC (VHT80) Mode\_Ant2**

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 155     | 5775            | 12.64              | 0.00        | 12.64                            | 30.00            | 1.00           | PASS   |

**UNII-3\_TX AC (VHT80) Mode\_Total**

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 155     | 5775            | 15.70              | 30.00            | 1.00           | PASS   |



## 8 POWER SPECTRAL DENSITY TEST

### 8.1 LIMIT

| FCC Part15, Subpart E (15.407)&RSS-247 |                             |                                                |                       |
|----------------------------------------|-----------------------------|------------------------------------------------|-----------------------|
| Section                                | Test Item                   | Limit                                          | Frequency Range (MHz) |
| RSS-247 6.2.1.2                        | EIRP Power Spectral Density | 10dBm/MHz                                      | 5150-5250             |
| 15.407(a)                              | Power Spectral Density      | AP device:17dBm/MHz<br>Client device:11dBm/MHz | 5150-5250             |
| 15.407(a)<br>RSS-247 6.2.4.2           | Power Spectral Density      | 30dBm/500kHz                                   | 5725-5850             |

### 8.2 TEST PROCEDURE AND SETTING

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

| Spectrum Parameter | Setting                                                      |
|--------------------|--------------------------------------------------------------|
| Attenuation        | Auto                                                         |
| Span Frequency     | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW                | = 1MHz.                                                      |
| VBW                | ≥ 3MHz.                                                      |
| Detector           | RMS                                                          |
| Trace average      | 100 trace                                                    |
| Sweep Time         | Auto                                                         |

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
- The value measured with RBW=1MHz is to be added with  $10\log(500\text{kHz}/1\text{MHz})$  which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.
- EIRP Power Spectral Density = Power Spectral Density+Antenna Gain  
MIMO Directional Gain=Ant 1 Gain+Ant 2 Gain=3dBi+3dBi=6.01dBi

### 8.3 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer  | Type No.    | Serial No. | Calibrated until |
|------|-------------------|---------------|-------------|------------|------------------|
| 1    | Spectrum analyzer | KEYSIGHT      | N9010A      | MY55150427 | 2022/05/23       |
| 2    | Attenuator        | Mini-Circuits | BW-S10W2    | 101109     | N/A              |
| 3    | RF Cable          | Mi-cable      | C10-01-01-1 | 100309     | N/A              |

### 8.4 TEST SETUP



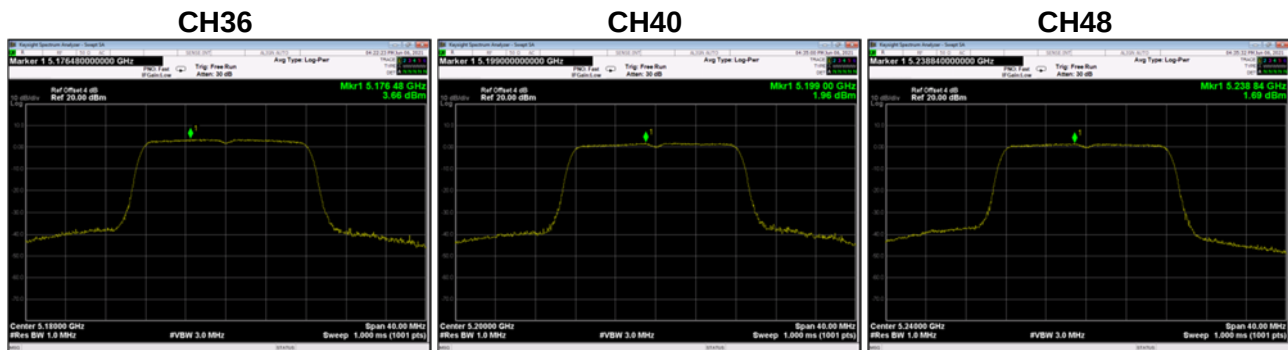
## 8.5EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

## 8.6 TEST RESULTS

| UNII-1_TX A Mode_Ant 1 For FCC |                 |                                  |             |                                                |                      |        |
|--------------------------------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| Channel                        | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
| 36                             | 5180            | 3.66                             | 0.00        | 3.66                                           | 11.00                | PASS   |
| 40                             | 5200            | 1.96                             | 0.00        | 1.96                                           | 11.00                | PASS   |
| 48                             | 5240            | 1.69                             | 0.00        | 1.69                                           | 11.00                | PASS   |

| UNII-1_TX A Mode_Ant 1 For IC |                 |                                  |             |                                                     |                      |        |
|-------------------------------|-----------------|----------------------------------|-------------|-----------------------------------------------------|----------------------|--------|
| Channel                       | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | EIRP Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
| 36                            | 5180            | 6.66                             | 0.00        | 6.66                                                | 10.00                | PASS   |
| 40                            | 5200            | 4.96                             | 0.00        | 4.96                                                | 10.00                | PASS   |
| 48                            | 5240            | 4.69                             | 0.00        | 4.69                                                | 10.00                | PASS   |



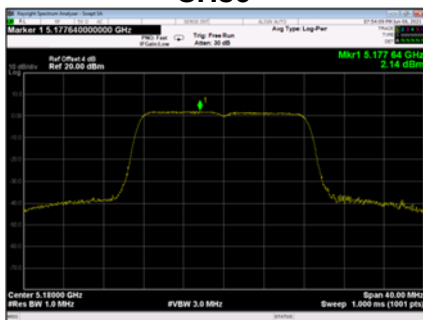
## UNII-1\_TX A Mode\_Ant2 For FCC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 36      | 5180            | 2.14                             | 0.00        | 2.14                                           | 11.00                | PASS   |
| 40      | 5200            | 2.31                             | 0.00        | 2.31                                           | 11.00                | PASS   |
| 48      | 5240            | 1.34                             | 0.00        | 1.34                                           | 11.00                | PASS   |

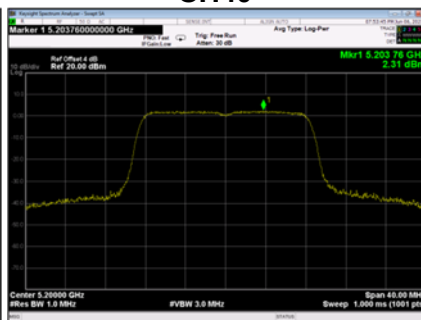
## UNII-1\_TX A Mode\_Ant2 For IC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | EIRP Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|-----------------------------------------------------|----------------------|--------|
| 36      | 5180            | 5.14                             | 0.00        | 5.14                                                | 10.00                | PASS   |
| 40      | 5200            | 5.31                             | 0.00        | 5.31                                                | 10.00                | PASS   |
| 48      | 5240            | 4.34                             | 0.00        | 4.34                                                | 10.00                | PASS   |

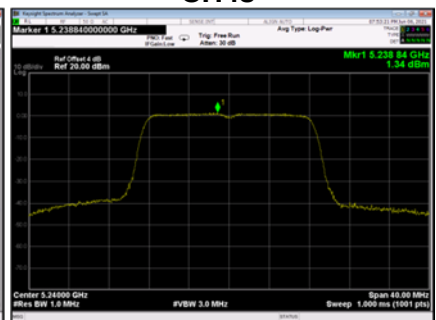
CH36



CH40



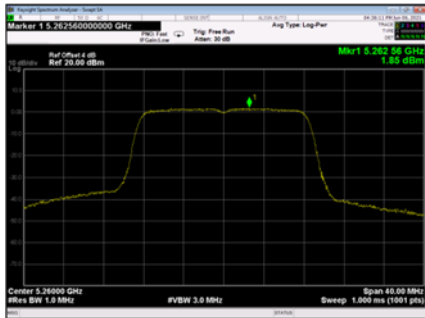
CH48



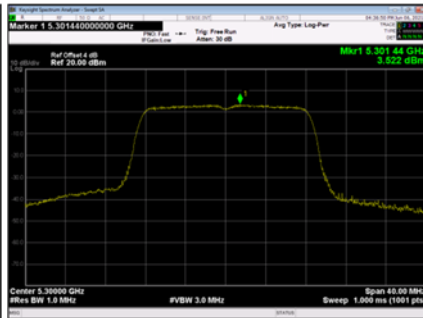
## UNII-2A\_TX A Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 52      | 5260            | 1.85                             | 0.00        | 1.85                                           | 11.00                | PASS   |
| 60      | 5300            | 3.52                             | 0.00        | 3.52                                           | 11.00                | PASS   |
| 64      | 5320            | 3.69                             | 0.00        | 3.69                                           | 11.00                | PASS   |

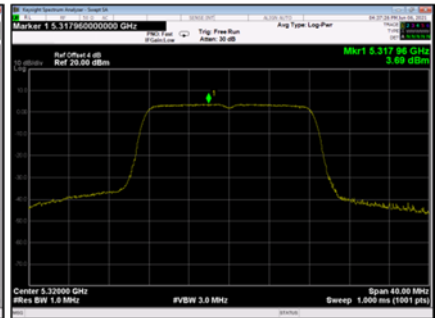
CH52



CH60



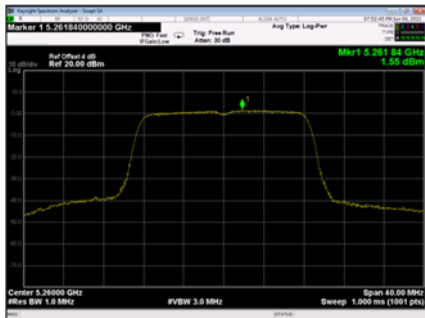
CH64



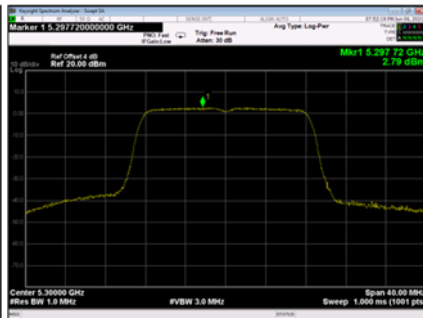
## UNII-2A\_TX A Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 52      | 5260            | 1.55                             | 0.00        | 1.55                                           | 11.00                | PASS   |
| 60      | 5300            | 2.79                             | 0.00        | 2.79                                           | 11.00                | PASS   |
| 64      | 5320            | 3.25                             | 0.00        | 3.25                                           | 11.00                | PASS   |

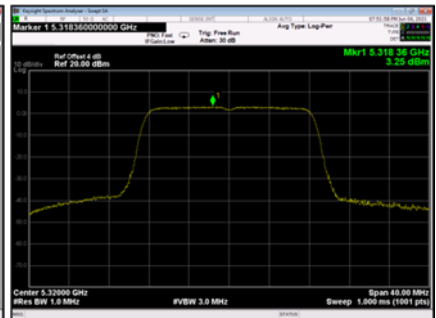
CH52



CH60



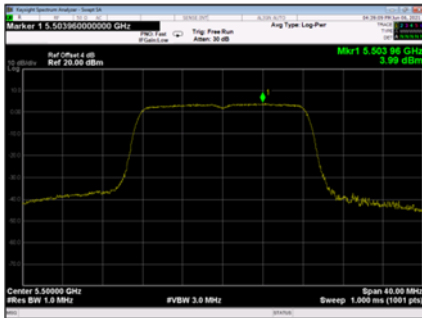
CH64



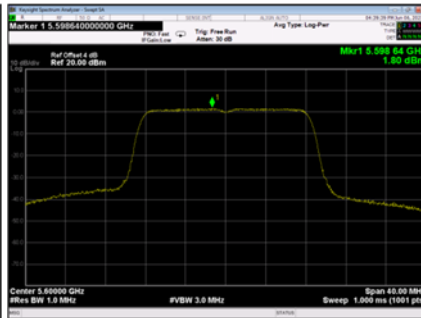
## UNII-2C\_TX A Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 100     | 5500            | 3.99                             | 0.00        | 3.99                                           | 11.00                | PASS   |
| 120     | 5600            | 1.80                             | 0.00        | 1.80                                           | 11.00                | PASS   |
| 140     | 5700            | 1.19                             | 0.00        | 1.19                                           | 11.00                | PASS   |

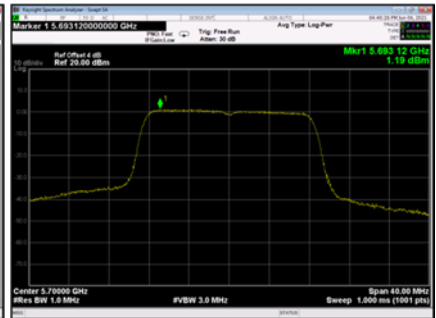
CH100



CH120



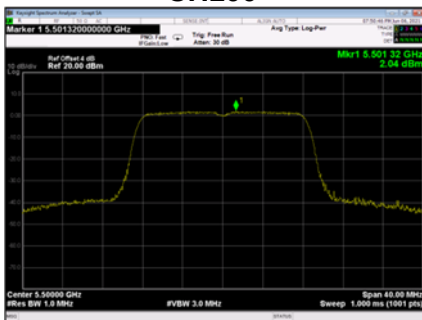
CH140



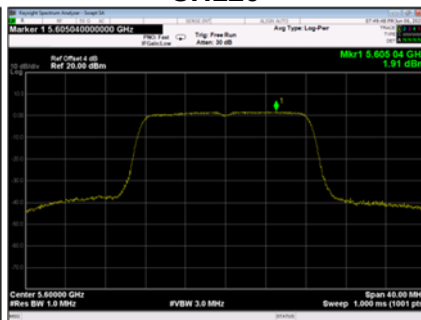
## UNII-2C\_TX A Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 100     | 5500            | 2.04                             | 0.00        | 2.04                                           | 11.00                | PASS   |
| 120     | 5600            | 1.91                             | 0.00        | 1.91                                           | 11.00                | PASS   |
| 140     | 5700            | 1.28                             | 0.00        | 1.28                                           | 11.00                | PASS   |

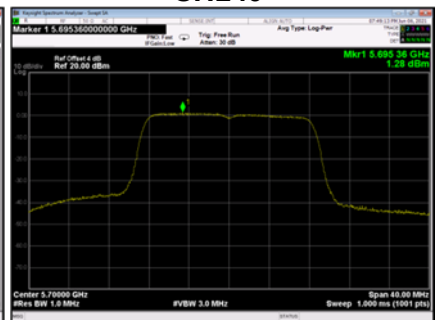
CH100



CH120



CH140



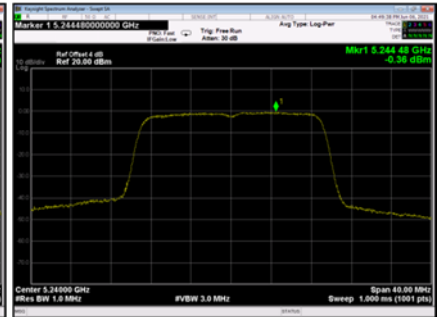
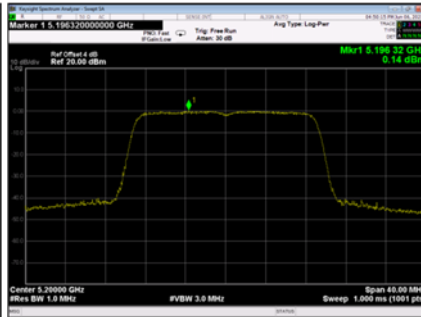
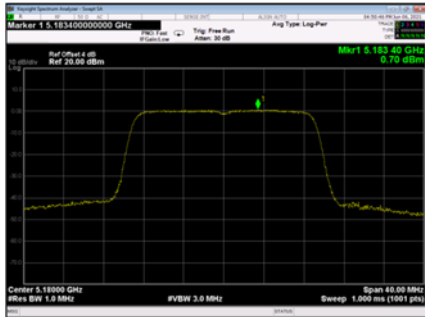
## UNII-1\_TX N (HT20) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 36      | 5180            | 0.70                             | 0.00        | 0.70                                           | 11.00                | PASS   |
| 40      | 5200            | 0.14                             | 0.00        | 0.14                                           | 11.00                | PASS   |
| 48      | 5240            | -0.36                            | 0.00        | -0.36                                          | 11.00                | PASS   |

CH36

CH40

CH48



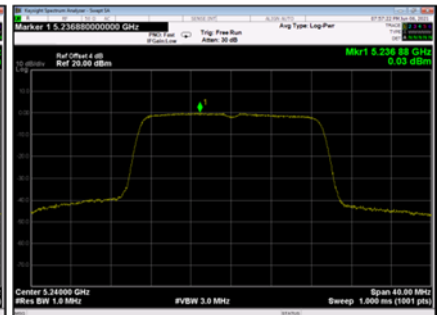
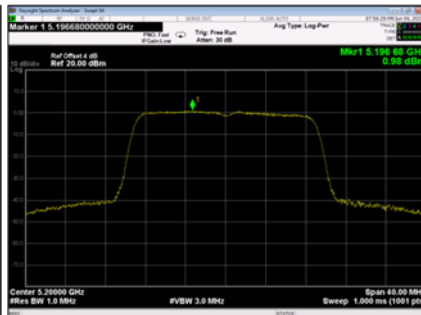
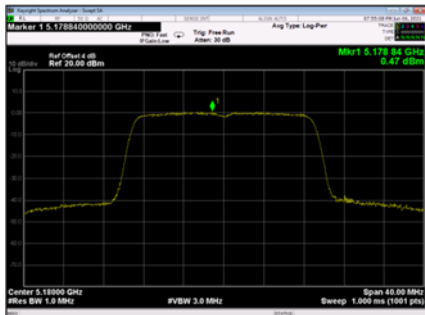
## UNII-1\_TX N (HT20) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 36      | 5180            | 0.47                             | 0.00        | 0.47                                           | 11.00                | PASS   |
| 40      | 5200            | 0.98                             | 0.00        | 0.98                                           | 11.00                | PASS   |
| 48      | 5240            | 0.03                             | 0.00        | 0.03                                           | 11.00                | PASS   |

CH36

CH40

CH48



## UNII-1\_TX N (HT20) Mode\_Total For FCC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 36      | 5180            | 3.60                             | 11.00                | PASS   |
| 40      | 5200            | 3.59                             | 11.00                | PASS   |
| 48      | 5240            | 2.85                             | 11.00                | PASS   |

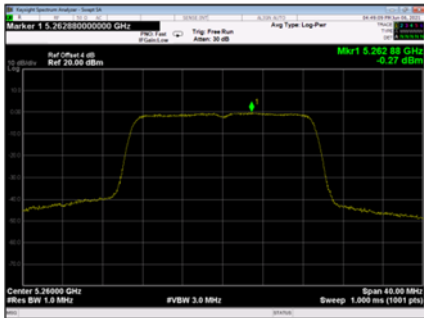
## UNII-1\_TX N (HT20) Mode\_Total For IC

| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 36      | 5180            | 9.61                                  | 10.00                | PASS   |
| 40      | 5200            | 9.60                                  | 10.00                | PASS   |
| 48      | 5240            | 8.86                                  | 10.00                | PASS   |

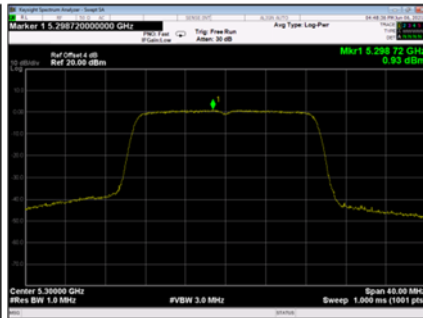
## UNII-2A\_TX N (HT20) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 52      | 5260            | -0.27                            | 0.00        | -0.27                                          | 11.00                | PASS   |
| 60      | 5300            | 0.93                             | 0.00        | 0.93                                           | 11.00                | PASS   |
| 64      | 5320            | 1.41                             | 0.00        | 1.41                                           | 11.00                | PASS   |

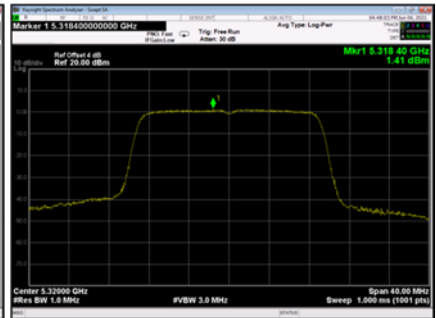
CH52



CH60



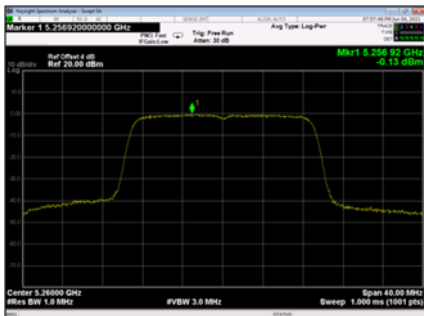
CH64



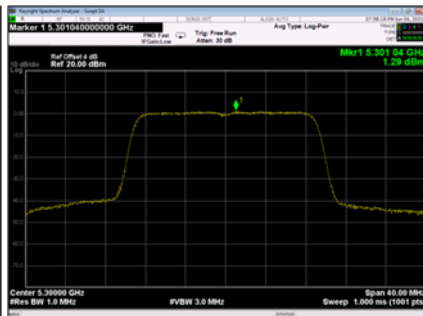
## UNII-2A\_TX N (HT20) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 52      | 5260            | -0.13                            | 0.00        | -0.13                                          | 11.00                | PASS   |
| 60      | 5300            | 1.29                             | 0.00        | 1.29                                           | 11.00                | PASS   |
| 64      | 5320            | 1.15                             | 0.00        | 1.15                                           | 11.00                | PASS   |

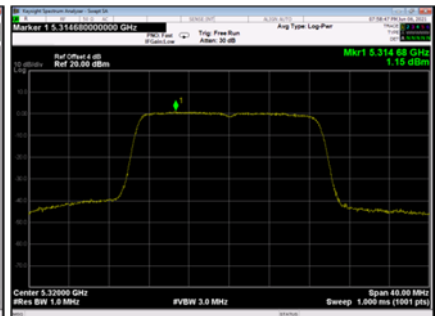
CH52



CH60



CH64



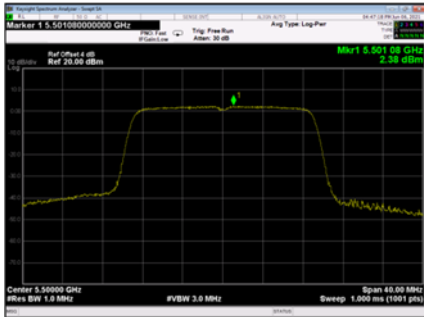
## UNII-2A\_TX N (HT20) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 52      | 5260            | 2.81                             | 11.00                | PASS   |
| 60      | 5300            | 4.12                             | 11.00                | PASS   |
| 64      | 5320            | 4.29                             | 11.00                | PASS   |

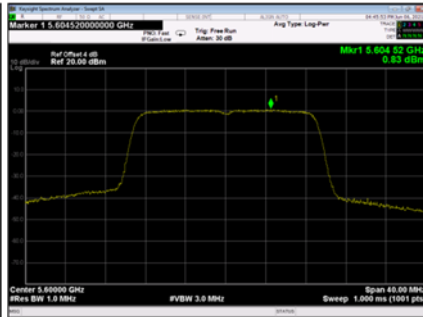
## UNII-2C\_TX N (HT20) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 100     | 5500            | 2.38                             | 0.00        | 2.38                                           | 11.00                | PASS   |
| 120     | 5600            | 0.83                             | 0.00        | 0.83                                           | 11.00                | PASS   |
| 140     | 5700            | -1.19                            | 0.00        | -1.19                                          | 11.00                | PASS   |

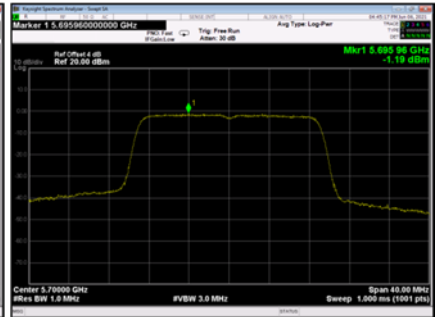
CH100



CH120



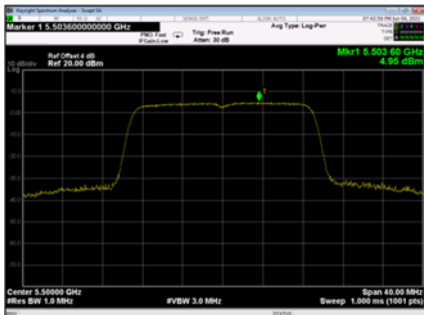
CH140



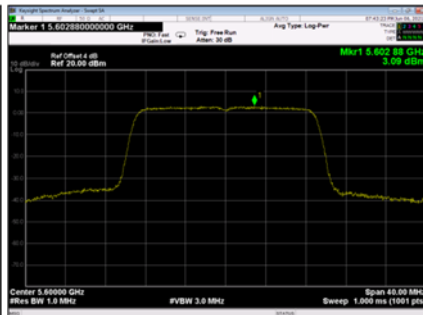
## UNII-2C\_TX N (HT20) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 100     | 5500            | 4.95                             | 0.00        | 4.95                                           | 11.00                | PASS   |
| 120     | 5600            | 3.09                             | 0.00        | 3.09                                           | 11.00                | PASS   |
| 140     | 5700            | 0.83                             | 0.00        | 0.83                                           | 11.00                | PASS   |

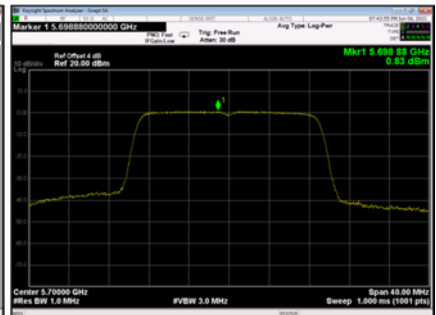
CH100



CH120



CH140



## UNII-2C\_TX N (HT20) Mode\_Total

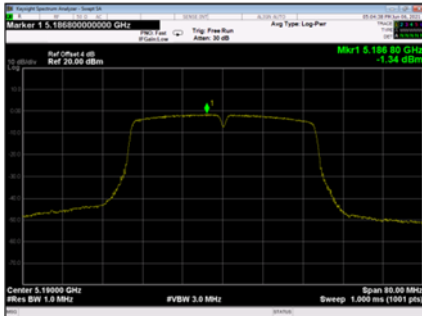
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 100     | 5500            | 6.86                             | 11.00                | PASS   |
| 120     | 5600            | 5.12                             | 11.00                | PASS   |
| 140     | 5700            | 2.95                             | 11.00                | PASS   |



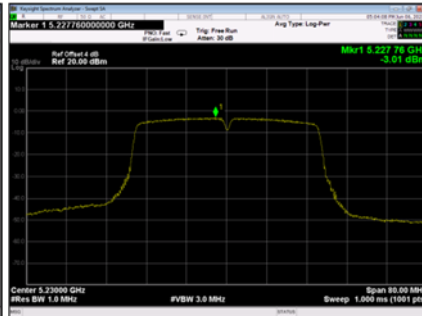
## UNII-1\_TX N (HT40) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 38      | 5190            | -1.34                            | 0.00        | -1.34                                          | 11.00                | PASS   |
| 46      | 5230            | -3.01                            | 0.00        | -3.01                                          | 11.00                | PASS   |

CH38



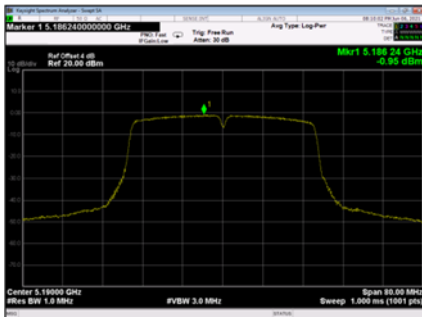
CH46



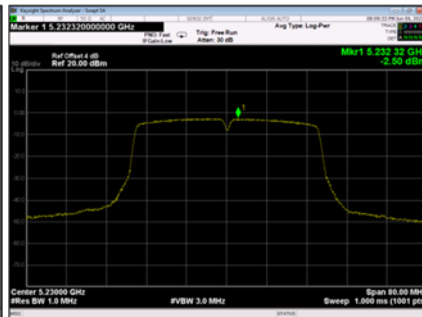
## UNII-1\_TX N (HT40) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 38      | 5190            | -0.95                            | 0.00        | -0.95                                          | 11.00                | PASS   |
| 46      | 5230            | -2.50                            | 0.00        | -2.50                                          | 11.00                | PASS   |

CH38



CH46



## UNII-1\_TX N (HT40) Mode\_Total For FCC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 38      | 5190            | 1.87                             | 11.00                | PASS   |
| 46      | 5230            | 0.26                             | 11.00                | PASS   |

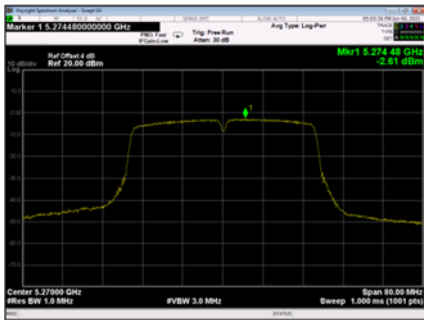
## UNII-1\_TX N (HT40) Mode\_Total For IC

| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 38      | 5190            | 7.88                                  | 10.00                | PASS   |
| 46      | 5230            | 6.27                                  | 10.00                | PASS   |

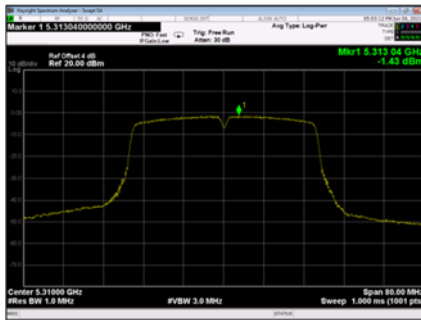
## UNII-2A\_TX N (HT40) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 54      | 5270            | -2.61                            | 0.00        | -2.61                                          | 11.00                | PASS   |
| 62      | 5310            | -1.43                            | 0.00        | -1.43                                          | 11.00                | PASS   |

CH54



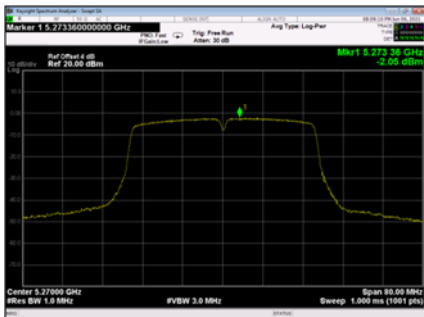
CH62



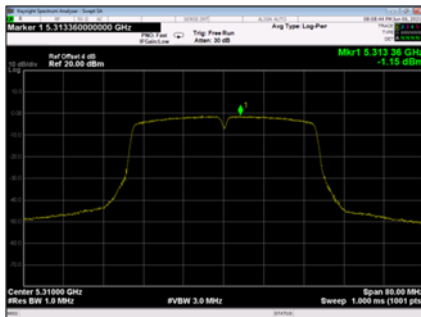
## UNII-2A\_TX N (HT40) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 54      | 5270            | -2.05                            | 0.00        | -2.05                                          | 11.00                | PASS   |
| 62      | 5310            | -1.15                            | 0.00        | -1.15                                          | 11.00                | PASS   |

CH54



CH62



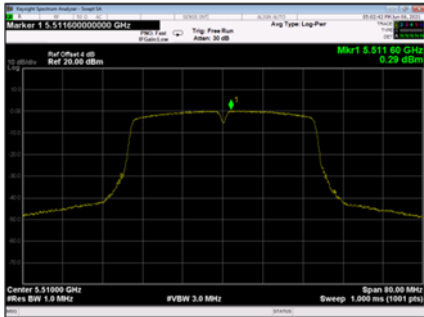
## UNII-2A\_TX N (HT40) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 54      | 5270            | 0.69                             | 11.00                | PASS   |
| 62      | 5310            | 1.72                             | 11.00                | PASS   |

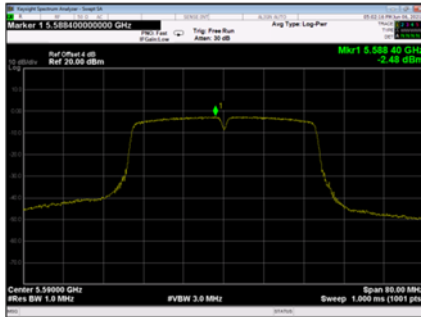
## UNII-2C\_TX N (HT40) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 102     | 5510            | 0.29                             | 0.00        | 0.29                                           | 11.00                | PASS   |
| 118     | 5590            | -2.48                            | 0.00        | -2.48                                          | 11.00                | PASS   |
| 134     | 5670            | -0.97                            | 0.00        | -0.97                                          | 11.00                | PASS   |

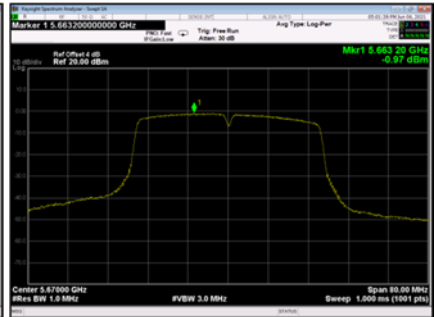
CH102



CH118



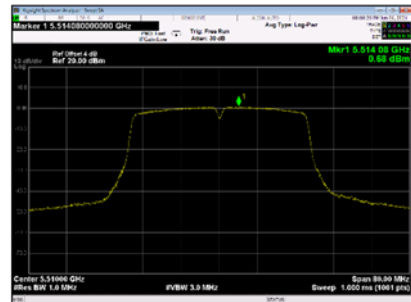
CH134



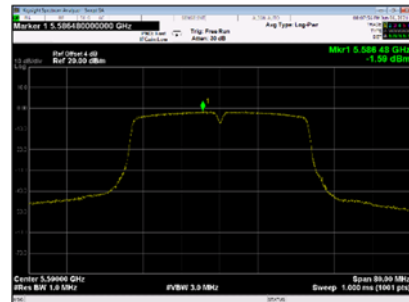
## UNII-2C\_TX N (HT40) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 102     | 5510            | 0.68                             | 0.00        | 0.68                                           | 11.00                | PASS   |
| 118     | 5590            | -1.59                            | 0.00        | -1.59                                          | 11.00                | PASS   |
| 134     | 5670            | -0.15                            | 0.00        | -0.15                                          | 11.00                | PASS   |

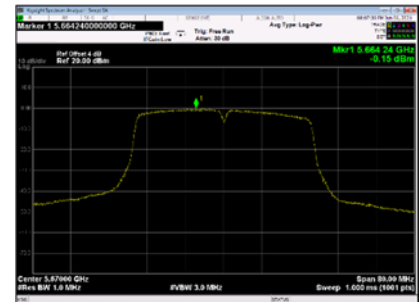
CH102



CH118



CH134



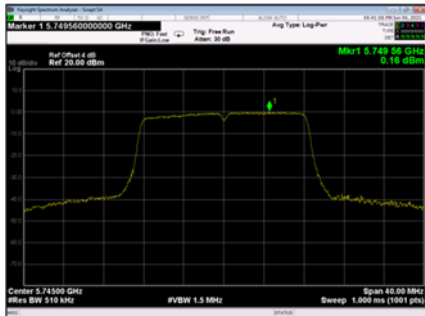
## UNII-2C\_TX N (HT40) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 102     | 5510            | 3.50                             | 11.00                | PASS   |
| 118     | 5590            | 1.00                             | 11.00                | PASS   |
| 134     | 5670            | 2.47                             | 11.00                | PASS   |

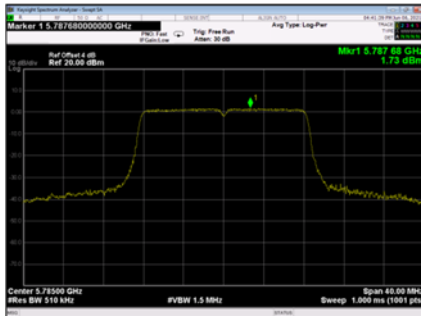
## UNII-3\_TX A Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 149     | 5745            | 0.16                                 | 0.00        | 0.16                                               | 30.00                    | PASS   |
| 157     | 5785            | 1.73                                 | 0.00        | 1.73                                               | 30.00                    | PASS   |
| 165     | 5825            | 2.05                                 | 0.00        | 2.05                                               | 30.00                    | PASS   |

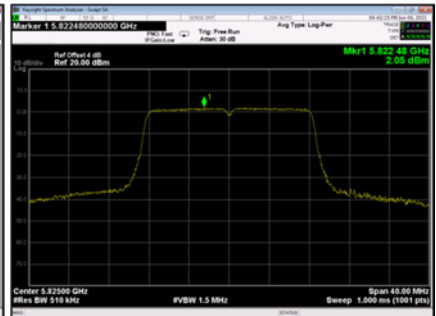
CH149



CH157



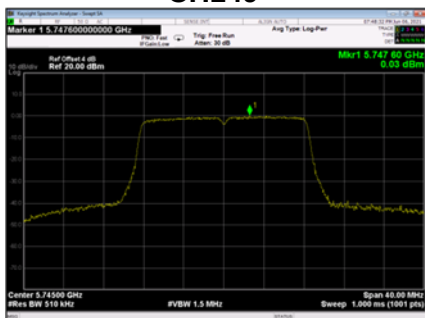
CH165



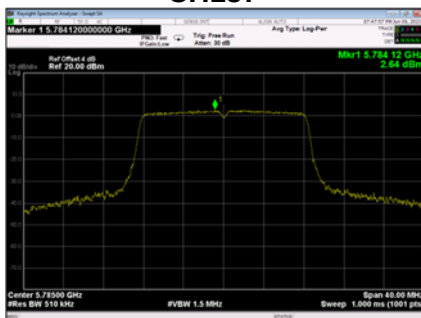
## UNII-3\_TX A Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 149     | 5745            | 0.03                                 | 0.00        | 0.03                                               | 30.00                    | PASS   |
| 157     | 5785            | 2.64                                 | 0.00        | 2.64                                               | 30.00                    | PASS   |
| 165     | 5825            | 1.63                                 | 0.00        | 1.63                                               | 30.00                    | PASS   |

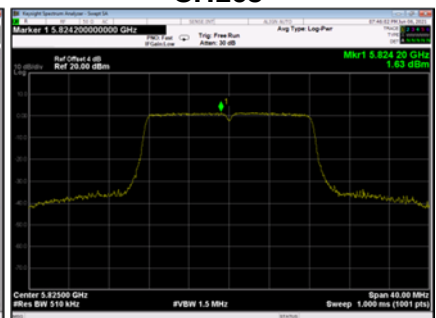
CH149



CH157



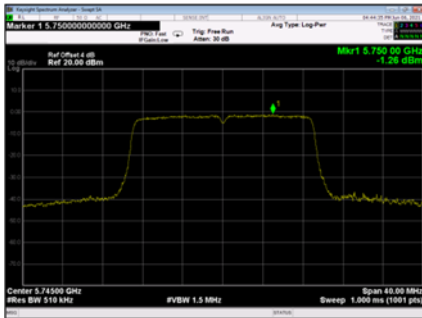
CH165



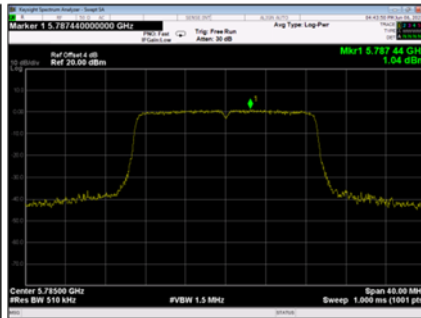
## UNII-3\_TX N (HT20) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 149     | 5745            | -1.26                                | 0.00        | -1.26                                              | 30.00                    | PASS   |
| 157     | 5785            | 1.04                                 | 0.00        | 1.04                                               | 30.00                    | PASS   |
| 165     | 5825            | 0.51                                 | 0.00        | 0.51                                               | 30.00                    | PASS   |

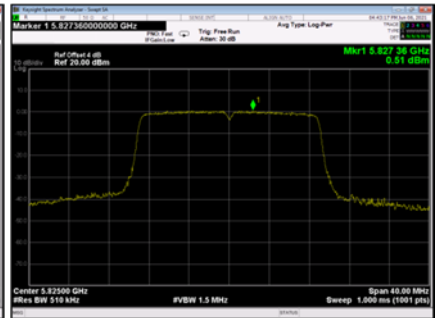
CH149



CH157



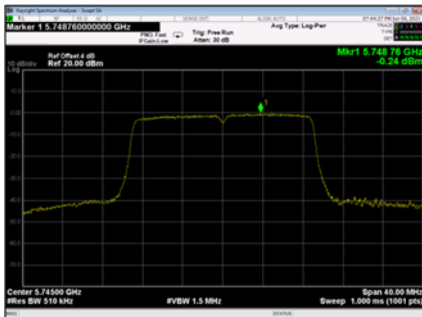
CH165



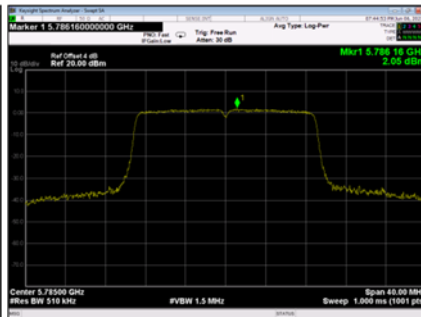
## UNII-3\_TX N (HT20) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 149     | 5745            | -0.24                                | 0.00        | -0.24                                              | 30.00                    | PASS   |
| 157     | 5785            | 2.05                                 | 0.00        | 2.05                                               | 30.00                    | PASS   |
| 165     | 5825            | 1.47                                 | 0.00        | 1.47                                               | 30.00                    | PASS   |

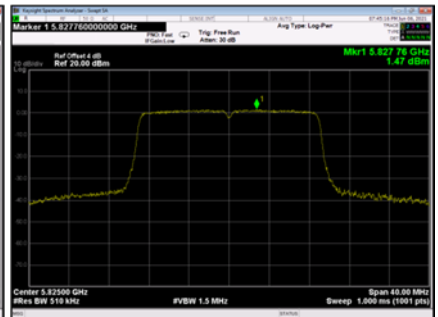
CH149



CH157



CH165



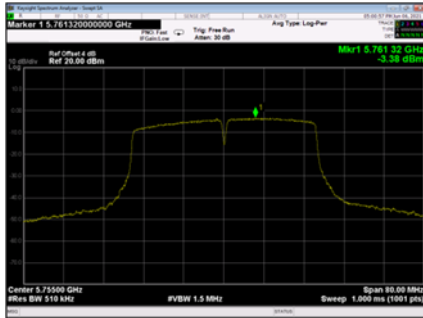
## UNII-3\_TX N (HT20) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 149     | 5745            | 2.29                             | 30.00                    | PASS   |
| 157     | 5785            | 4.58                             | 30.00                    | PASS   |
| 165     | 5825            | 4.03                             | 30.00                    | PASS   |

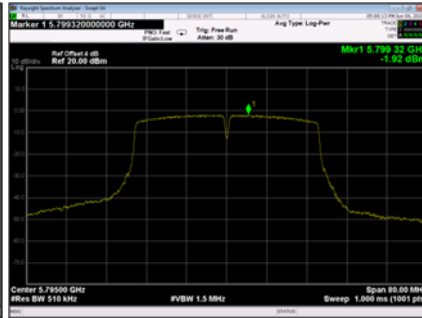
## UNII-3\_TX N (HT40) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 151     | 5755            | -3.38                                | 0.00        | -3.38                                              | 30.00                    | PASS   |
| 159     | 5795            | -1.92                                | 0.00        | -1.92                                              | 30.00                    | PASS   |

CH151



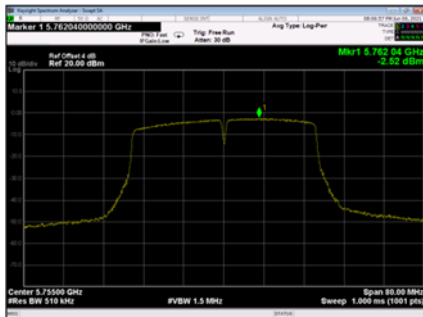
CH159



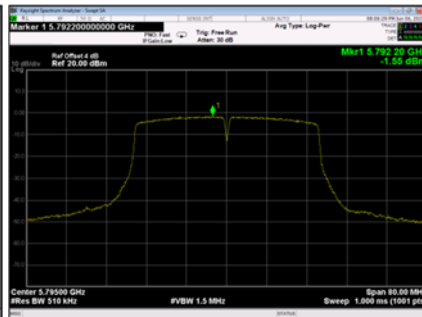
## UNII-3\_TX N (HT40) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 151     | 5755            | -2.52                                | 0.00        | -2.52                                              | 30.00                    | PASS   |
| 159     | 5795            | -1.55                                | 0.00        | -1.55                                              | 30.00                    | PASS   |

CH151



CH159



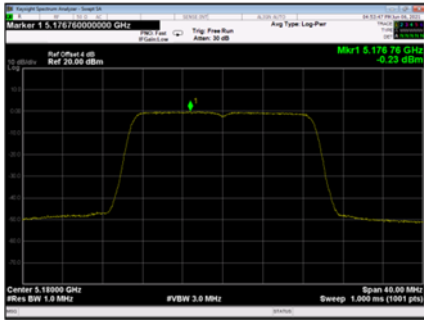
## UNII-3\_TX N (HT40) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 151     | 5755            | 0.08                             | 30.00                    | PASS   |
| 159     | 5795            | 1.28                             | 30.00                    | PASS   |

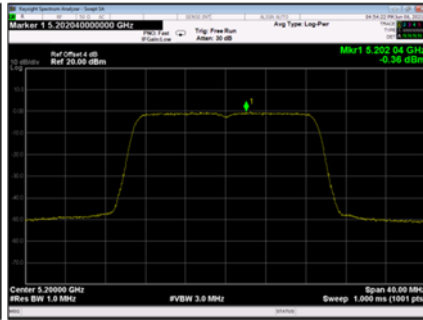
## UNII-1\_TX AC (VHT20) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 36      | 5180            | -0.23                            | 0.00        | -0.23                                          | 11.00                | PASS   |
| 40      | 5200            | -0.36                            | 0.00        | -0.36                                          | 11.00                | PASS   |
| 48      | 5240            | -1.37                            | 0.00        | -1.37                                          | 11.00                | PASS   |

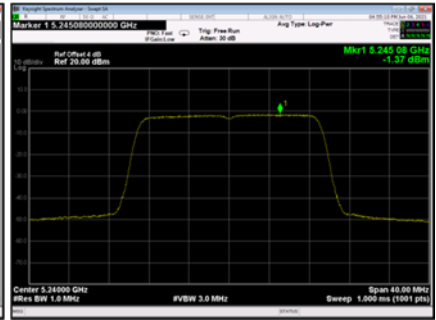
CH36



CH40



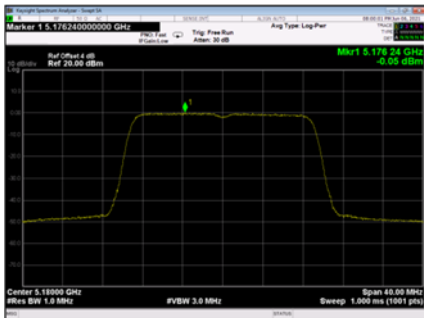
CH48



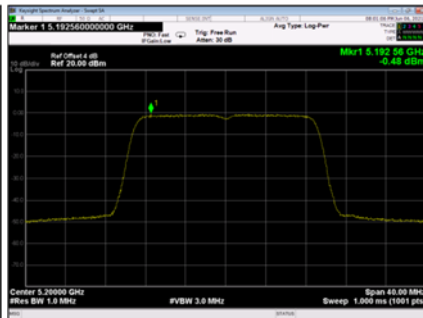
## UNII-1\_TX AC (VHT20) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 36      | 5180            | -0.05                            | 0.00        | -0.05                                          | 11.00                | PASS   |
| 40      | 5200            | -0.48                            | 0.00        | -0.48                                          | 11.00                | PASS   |
| 48      | 5240            | -1.27                            | 0.00        | -1.27                                          | 11.00                | PASS   |

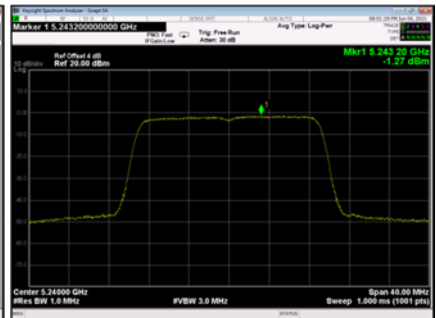
CH36



CH40



CH48



## UNII-1\_TX AC (VHT20) Mode\_Total For FCC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 36      | 5180            | 2.87                             | 11.00                | PASS   |
| 40      | 5200            | 2.59                             | 11.00                | PASS   |
| 48      | 5240            | 1.69                             | 11.00                | PASS   |

## UNII-1\_TX AC (VHT20) Mode\_Total For IC

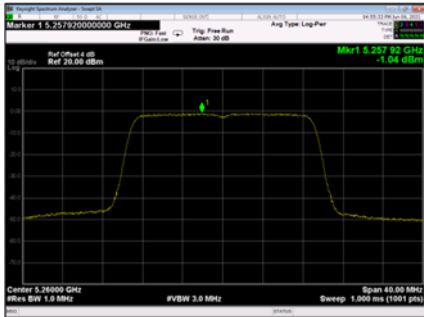
| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 36      | 5180            | 8.88                                  | 10.00                | PASS   |
| 40      | 5200            | 8.60                                  | 10.00                | PASS   |
| 48      | 5240            | 7.70                                  | 10.00                | PASS   |



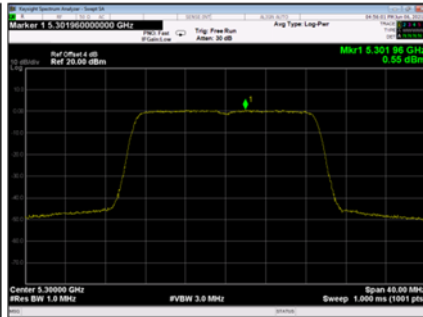
## UNII-2A\_TX AC (VHT20) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 52      | 5260            | -1.04                            | 0.00        | -1.04                                          | 11.00                | PASS   |
| 60      | 5300            | 0.55                             | 0.00        | 0.55                                           | 11.00                | PASS   |
| 64      | 5320            | 0.88                             | 0.00        | 0.88                                           | 11.00                | PASS   |

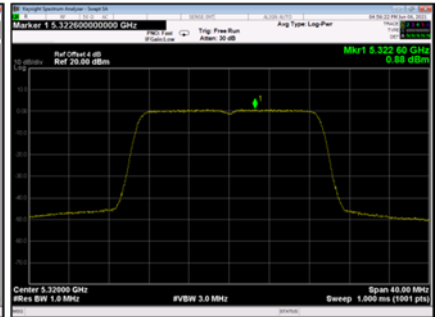
CH52



CH60



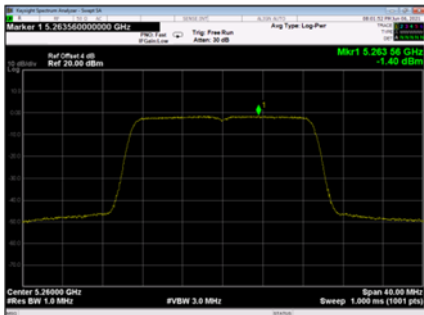
CH64



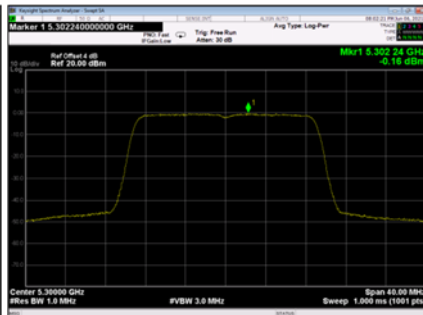
## UNII-2A\_TX AC (VHT20) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 52      | 5260            | -1.40                            | 0.00        | -1.40                                          | 11.00                | PASS   |
| 60      | 5300            | -0.16                            | 0.00        | -0.16                                          | 11.00                | PASS   |
| 64      | 5320            | -0.09                            | 0.00        | -0.09                                          | 11.00                | PASS   |

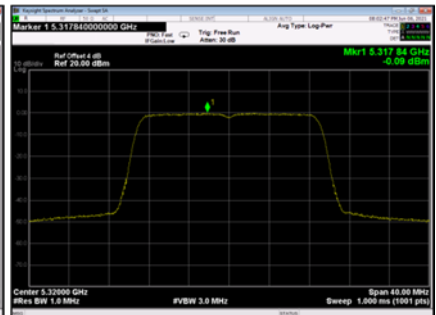
CH52



CH60



CH64



## UNII-2A\_TX AC (VHT20) Mode\_Total

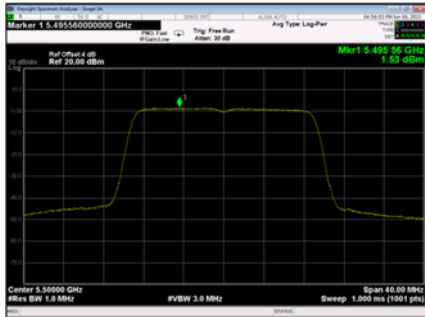
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 52      | 5260            | 1.79                             | 11.00                | PASS   |
| 60      | 5300            | 3.22                             | 11.00                | PASS   |
| 64      | 5320            | 3.43                             | 11.00                | PASS   |



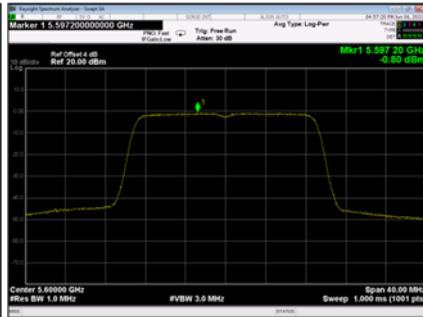
## UNII-2C\_TX AC (VHT20) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 100     | 5500            | 1.53                             | 0.00        | 1.53                                           | 11.00                | PASS   |
| 120     | 5600            | -0.80                            | 0.00        | -0.80                                          | 11.00                | PASS   |
| 140     | 5700            | -1.84                            | 0.00        | -1.84                                          | 11.00                | PASS   |

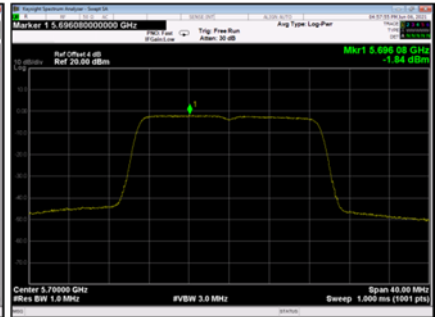
CH100



CH120



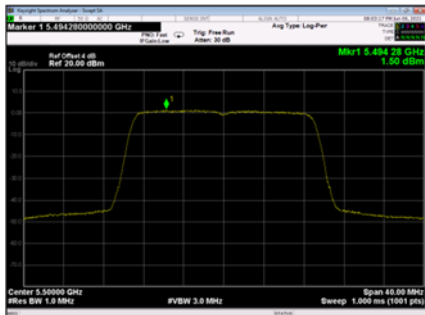
CH140



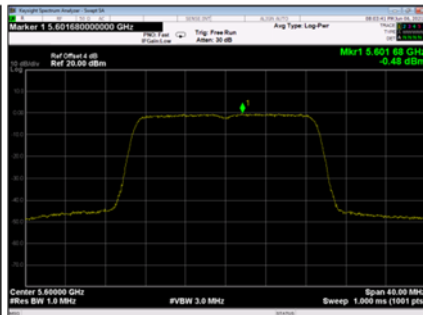
## UNII-2C\_TX AC (VHT20) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 100     | 5500            | 1.50                             | 0.00        | 1.50                                           | 11.00                | PASS   |
| 120     | 5600            | -0.48                            | 0.00        | -0.48                                          | 11.00                | PASS   |
| 140     | 5700            | -2.22                            | 0.00        | -2.22                                          | 11.00                | PASS   |

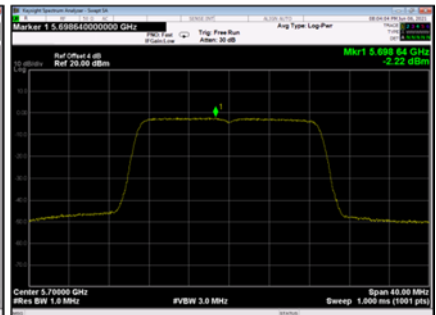
CH100



CH120



CH140



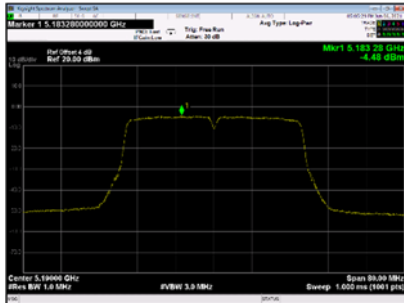
## UNII-2C\_TX AC (VHT20) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 100     | 5500            | 4.53                             | 11.00                | PASS   |
| 120     | 5600            | 2.37                             | 11.00                | PASS   |
| 140     | 5700            | 0.98                             | 11.00                | PASS   |

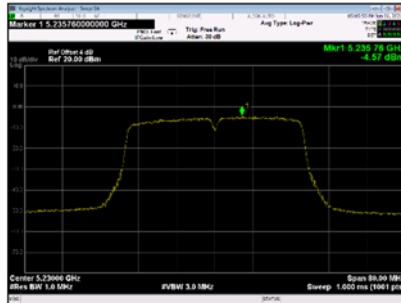
## UNII-1\_TX AC (VHT40) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 38      | 5190            | -4.48                            | 0.00        | -4.48                                          | 11.00                | PASS   |
| 46      | 5230            | -4.57                            | 0.00        | -4.57                                          | 11.00                | PASS   |

CH38



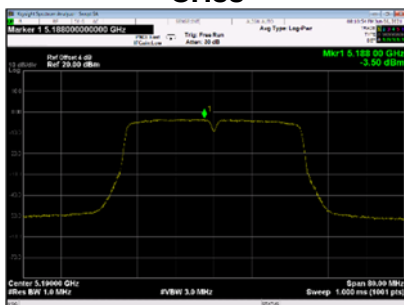
CH46



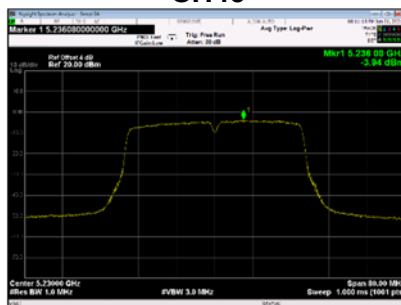
## UNII-1\_TX AC (VHT40) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 38      | 5190            | -3.50                            | 0.00        | -3.50                                          | 11.00                | PASS   |
| 46      | 5230            | -3.94                            | 0.00        | -3.94                                          | 11.00                | PASS   |

CH38



CH46



## UNII-1\_TX AC (VHT40) Mode\_Total For FCC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 38      | 5190            | -0.952                           | 11.00                | PASS   |
| 46      | 5230            | -1.233                           | 11.00                | PASS   |

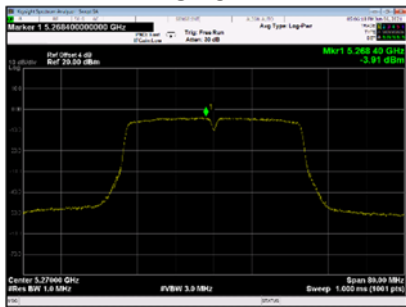
## UNII-1\_TX AC (VHT40) Mode\_Total For IC

| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 38      | 5190            | 5.058                                 | 10.00                | PASS   |
| 46      | 5230            | 4.777                                 | 10.00                | PASS   |

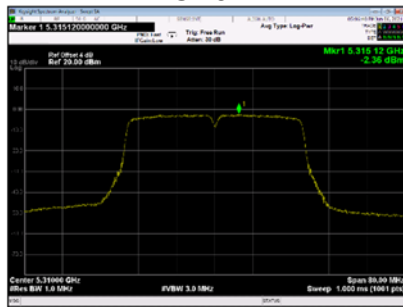
## UNII-2A\_TX AC (VHT40) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 54      | 5270            | -3.91                            | 0.00        | -3.91                                          | 11.00                | PASS   |
| 62      | 5310            | -2.36                            | 0.00        | -2.36                                          | 11.00                | PASS   |

CH54



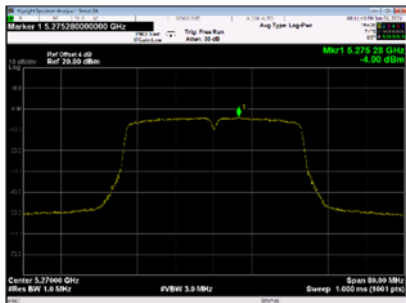
CH62



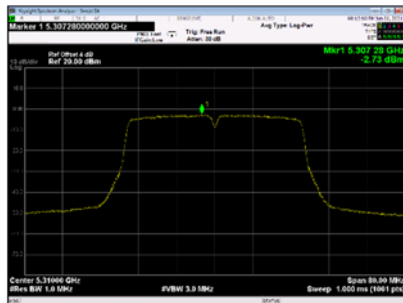
## UNII-2A\_TX AC (VHT40) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 54      | 5270            | -4.00                            | 0.00        | -4.00                                          | 11.00                | PASS   |
| 62      | 5310            | -2.73                            | 0.00        | -2.73                                          | 11.00                | PASS   |

CH54



CH62



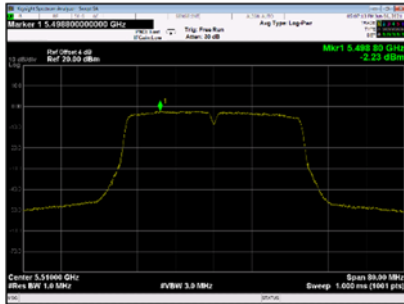
## UNII-2A\_TX AC (VHT40) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 54      | 5270            | -0.944                           | 11.00                | PASS   |
| 62      | 5310            | 0.469                            | 11.00                | PASS   |

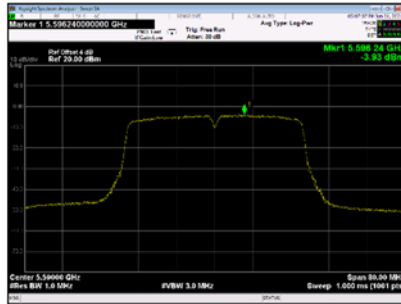
## UNII-2C\_TX AC (VHT40) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 102     | 5510            | -2.23                            | 0.00        | -2.23                                          | 11.00                | PASS   |
| 118     | 5590            | -3.93                            | 0.00        | -3.93                                          | 11.00                | PASS   |
| 134     | 5670            | -2.86                            | 0.00        | -2.86                                          | 11.00                | PASS   |

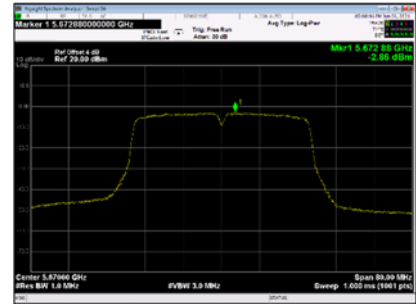
CH102



CH118



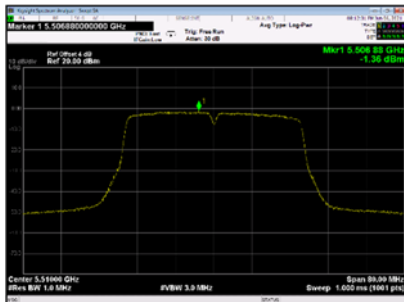
CH134



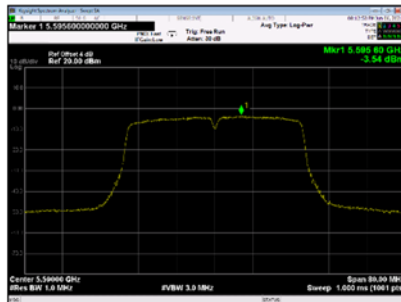
## UNII-2C\_TX AC (VHT40) Mode\_Ant 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 102     | 5510            | -1.36                            | 0.00        | -1.36                                          | 11.00                | PASS   |
| 118     | 5590            | -3.54                            | 0.00        | -3.54                                          | 11.00                | PASS   |
| 134     | 5670            | -2.96                            | 0.00        | -2.96                                          | 11.00                | PASS   |

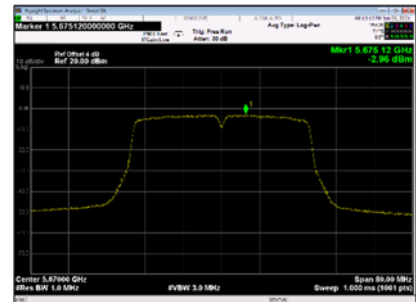
CH102



CH118



CH134



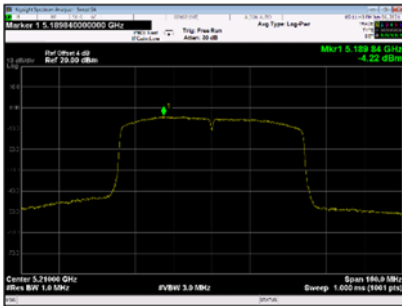
## UNII-2C\_TX AC (VHT40) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 102     | 5510            | 1.237                            | 11.00                | PASS   |
| 118     | 5590            | -0.720                           | 11.00                | PASS   |
| 134     | 5670            | 0.101                            | 11.00                | PASS   |

## UNII-1\_TX AC (VHT80) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 42      | 5210            | -4.22                            | 0.00        | -4.22                                          | 11.00                | PASS   |

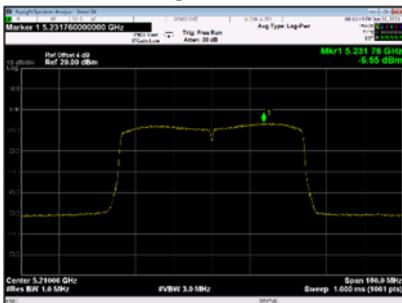
### CH42



## UNII-1\_TX AC (VHT80) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 42      | 5210            | -6.55                            | 0.00        | -6.55                                          | 11.00                | PASS   |

### CH42



## UNII-1\_TX AC (VHT80) Mode\_Total For FCC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 42      | 5210            | -2.220                           | 11.00                | PASS   |

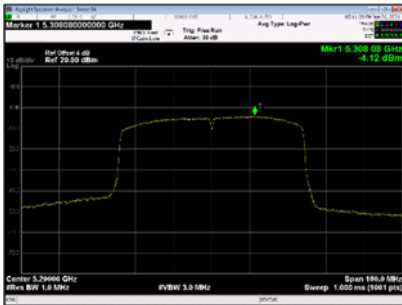
## UNII-1\_TX AC (VHT80) Mode\_Total For IC

| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 42      | 5210            | 3.79                                  | 10.00                | PASS   |

## UNII-2A\_TX AC (VHT80) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 58      | 5290            | -4.12                            | 0.00        | -4.12                                          | 11.00                | PASS   |

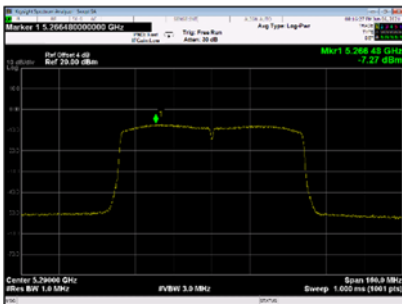
### CH58



## UNII-2A\_TX AC (VHT80) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 58      | 5290            | -7.27                            | 0.00        | -7.27                                          | 11.00                | PASS   |

### CH58



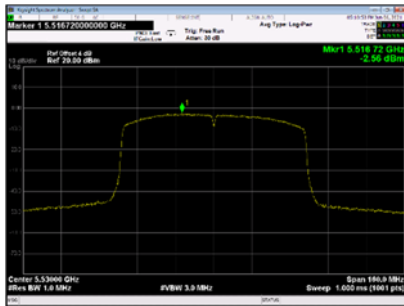
## UNII-2A\_TX AC (VHT80) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 58      | 5290            | -2.405                           | 11.00                | PASS   |

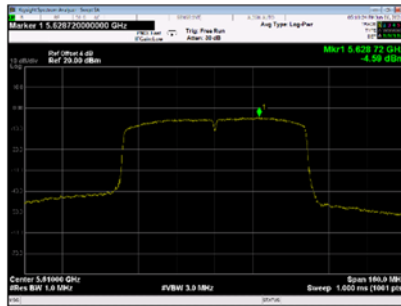
## UNII-2C\_TX AC (VHT80) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 106     | 5530            | -2.56                            | 0.00        | -2.56                                          | 11.00                | PASS   |
| 122     | 5610            | -4.59                            | 0.00        | -4.59                                          | 11.00                | PASS   |

CH106



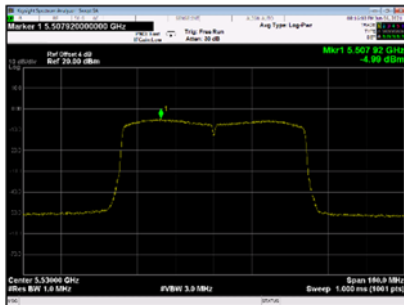
CH122



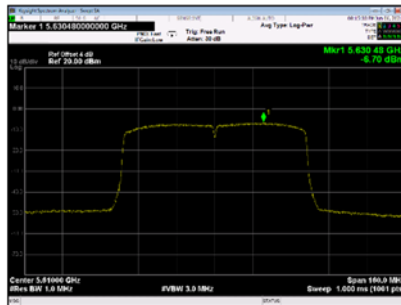
## UNII-2C\_TX AC (VHT80) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|--------|
| 106     | 5530            | -4.99                            | 0.00        | -4.99                                          | 11.00                | PASS   |
| 122     | 5610            | -6.70                            | 0.00        | -6.70                                          | 11.00                | PASS   |

CH106



CH122



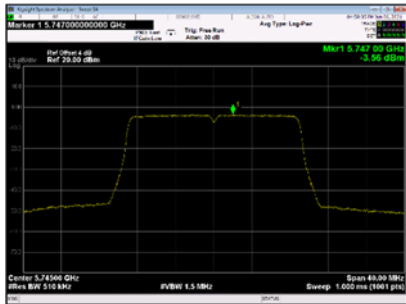
## UNII-2C\_TX AC (VHT80) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 106     | 5530            | -0.597                           | 11.00                | PASS   |
| 122     | 5610            | -2.508                           | 11.00                | PASS   |

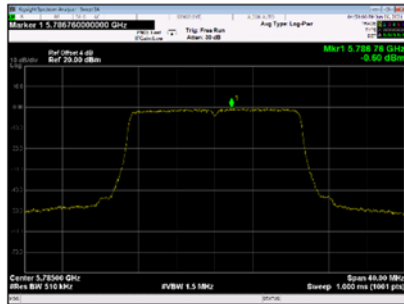
## UNII-3\_TX AC (VHT20) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 149     | 5745            | -3.56                                | 0.00        | -3.56                                              | 30.00                    | PASS   |
| 157     | 5785            | -0.60                                | 0.00        | -0.60                                              | 30.00                    | PASS   |
| 165     | 5825            | -0.87                                | 0.00        | -0.87                                              | 30.00                    | PASS   |

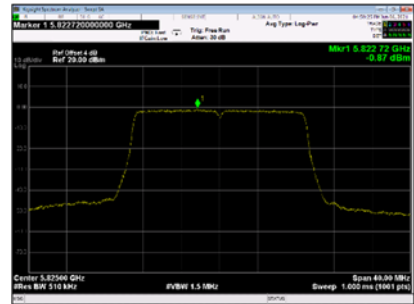
CH149



CH157



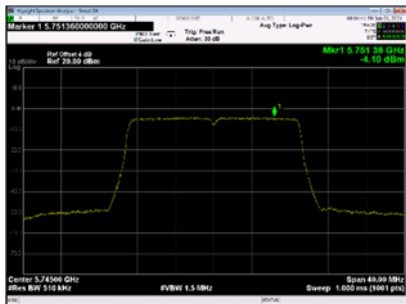
CH165



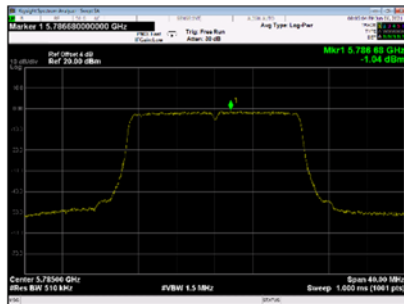
## UNII-3\_TX AC (VHT20) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 149     | 5745            | -4.10                                | 0.00        | -4.10                                              | 30.00                    | PASS   |
| 157     | 5785            | -1.04                                | 0.00        | -1.04                                              | 30.00                    | PASS   |
| 165     | 5825            | -1.52                                | 0.00        | -1.52                                              | 30.00                    | PASS   |

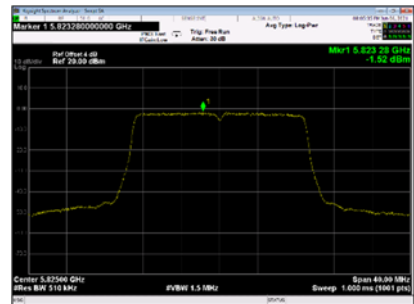
CH149



CH157



CH165



## UNII-3\_TX AC (VHT20) Mode\_Total

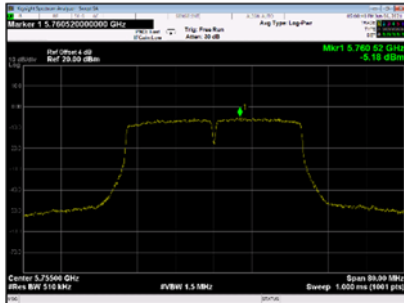
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 149     | 5745            | -0.811                           | 30.00                    | PASS   |
| 157     | 5785            | 2.196                            | 30.00                    | PASS   |
| 165     | 5825            | 1.827                            | 30.00                    | PASS   |



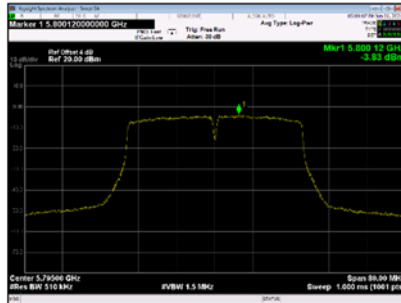
## UNII-3\_TX AC (VHT40) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 151     | 5755            | -5.18                                | 0.00        | -5.18                                              | 30.00                    | PASS   |
| 159     | 5795            | -3.83                                | 0.00        | -3.83                                              | 30.00                    | PASS   |

CH151



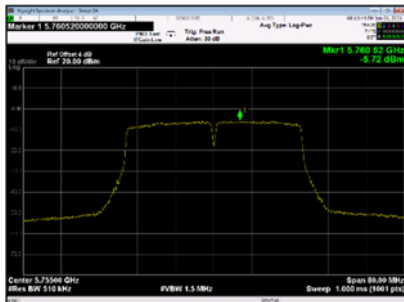
CH159



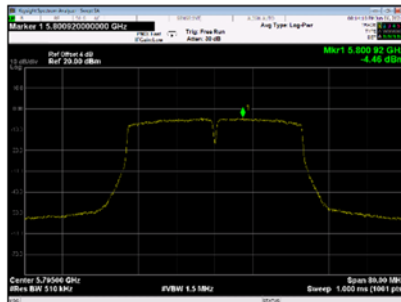
## UNII-3\_TX AC (VHT40) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 151     | 5755            | -5.72                                | 0.00        | -5.72                                              | 30.00                    | PASS   |
| 159     | 5795            | -4.46                                | 0.00        | -4.46                                              | 30.00                    | PASS   |

CH151



CH159



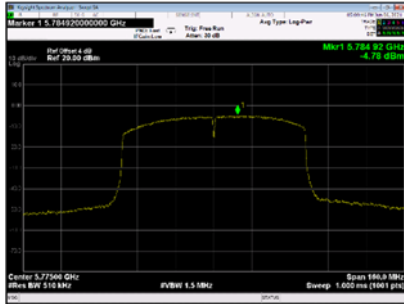
## UNII-3\_TX AC (VHT40) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 151     | 5755            | -2.431                           | 30.00                    | PASS   |
| 159     | 5795            | -1.123                           | 30.00                    | PASS   |

## UNII-3\_TX AC (VHT80) Mode\_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 155     | 5775            | -4.78                                | 0.00        | -4.78                                              | 30.00                    | PASS   |

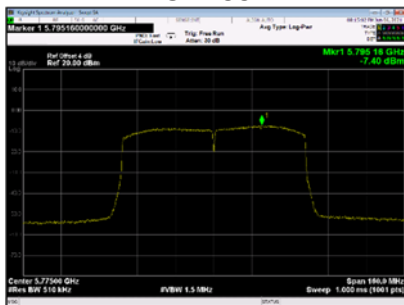
### CH155



## UNII-3\_TX AC (VHT80) Mode\_Ant2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|--------|
| 155     | 5775            | -7.40                                | 0.00        | -7.40                                              | 30.00                    | PASS   |

### CH155



## UNII-3\_TX AC (VHT80) Mode\_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 155     | 5775            | -2.885                           | 30.00                    | PASS   |

## 9.FREQUENCY STABILITY MEASUREMENT

### 9.1LIMIT

| FCC Part15, Subpart E (15.407)&RSS-GEN |                     |                                |                       |
|----------------------------------------|---------------------|--------------------------------|-----------------------|
| Section                                | Test Item           | Limit                          | Frequency Range (MHz) |
| 15.407(g)<br>RSS-GEN 6.11              | Frequency Stability | Specified in the user's manual | 5150-5250             |
|                                        |                     |                                | 5725-5850             |

### 9.2TEST PROCEDURE AND SETTING

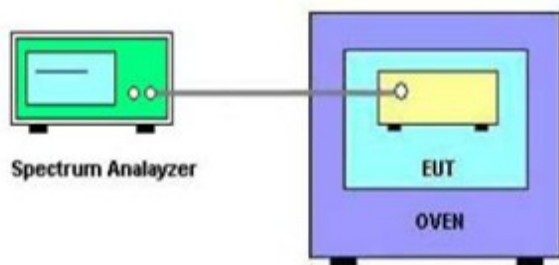
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

| Spectrum Parameter | Setting                                        |
|--------------------|------------------------------------------------|
| Attenuation        | Auto                                           |
| Span Frequency     | Entire absence of modulationemissionsbandwidth |
| RBW                | 10 kHz                                         |
| VBW                | 10kHz                                          |
| Sweep Time         | Auto                                           |

### 9.3MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment        | Manufacturer      | Type No.    | Serial No.    | Calibrated until |
|------|--------------------------|-------------------|-------------|---------------|------------------|
| 1    | Spectrum analyzer        | KEYSIGHT          | N9010A      | MY55150427    | 2022/05/23       |
| 2    | Attenuator               | Mini-Circuits     | BW-S10W2    | 101109        | N/A              |
| 3    | RF Cable                 | Mi-cable          | C10-01-01-1 | 100309        | N/A              |
| 4    | Temperature conditioning | Guan Jian.HTH1000 | -20-130°C   | GJ1000-10D001 | N/A              |
| 5    | DC Power Supply          | G.KE              | IPR-10010D  | 010931954     | N/A              |

### 9.4TEST SETUP



### 9.5EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

**9.6 TEST RESULTS**

| Temperature vs. Frequency Stability-UNII-1 |             |                             |
|--------------------------------------------|-------------|-----------------------------|
| Voltage                                    | Temperature | Measurement Frequency (MHz) |
| 3.3V                                       | (°C)        | 5180                        |
|                                            | -20         | 5180.0023                   |
|                                            | 25          | 5180.0025                   |
|                                            | 50          | 5180.0019                   |
| 2.2V                                       | 25          | 5180.0022                   |
| Max. Deviation (MHz)                       |             | 0.0025                      |
| Max. Deviation (ppm)                       |             | 0.48                        |

| Temperature vs. Frequency Stability-UNII-2A |             |                             |
|---------------------------------------------|-------------|-----------------------------|
| Voltage                                     | Temperature | Measurement Frequency (MHz) |
| 3.3V                                        | (°C)        | 5260                        |
|                                             | -20         | 5260.0019                   |
|                                             | 25          | 5260.0016                   |
|                                             | 50          | 5260.0020                   |
| 2.2V                                        | 25          | 5260.0017                   |
| Max. Deviation (MHz)                        |             | 0.0020                      |
| Max. Deviation (ppm)                        |             | 0.38                        |

| Temperature vs. Frequency Stability-UNII-2C |             |                             |
|---------------------------------------------|-------------|-----------------------------|
| Voltage                                     | Temperature | Measurement Frequency (MHz) |
| 3.3V                                        | (°C)        | 5500                        |
|                                             | -20         | 5500.0019                   |
|                                             | 25          | 5500.0021                   |
|                                             | 50          | 5500.0017                   |
| 2.2V                                        | 25          | 5500.0017                   |
| Max. Deviation (MHz)                        |             | 0.38                        |
| Max. Deviation (ppm)                        |             |                             |

| Temperature vs. Frequency Stability-UNII-3 |             |                             |
|--------------------------------------------|-------------|-----------------------------|
| Voltage                                    | Temperature | Measurement Frequency (MHz) |
| 3.3V                                       | (°C)        | 5745                        |
|                                            | -20         | 5745.0016                   |
|                                            | 25          | 5745.0013                   |
|                                            | 50          | 5745.0015                   |
| 2.2V                                       | 25          | 5745.0011                   |
| Max. Deviation (MHz)                       |             | 0.0016                      |
| Max. Deviation (ppm)                       |             | 0.28                        |

Note: 2.2V is the end point voltage, and products below 2.2V will cease working.

**END OF TEST REPORT**