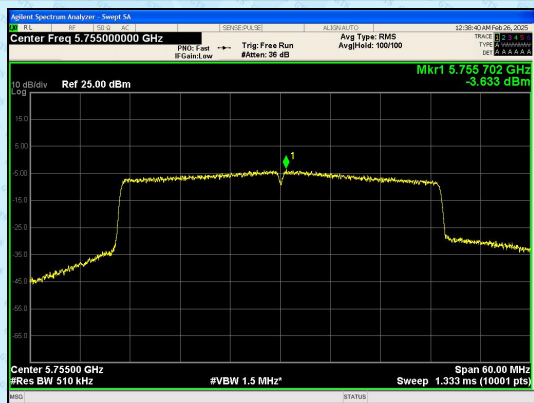




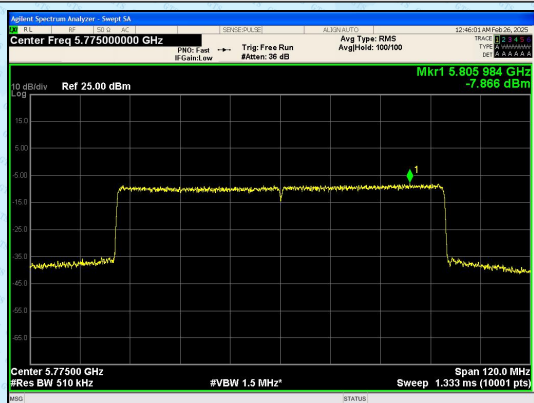
IEEE 802.11ax\_Channel 165\_20MHz\_Antenna 0\_RU&Index SU



IEEE 802.11ax\_Channel 151\_40MHz\_Antenna 0\_RU&Index SU



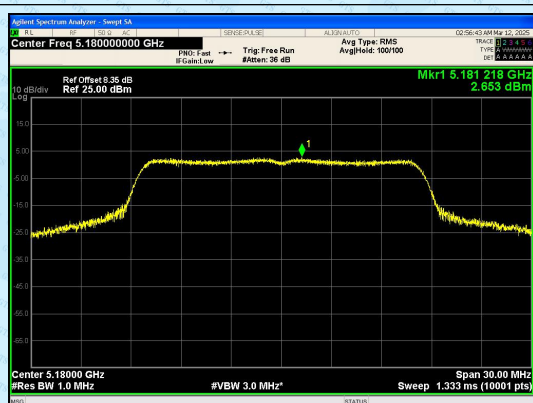
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna 0\_RU&Index SU



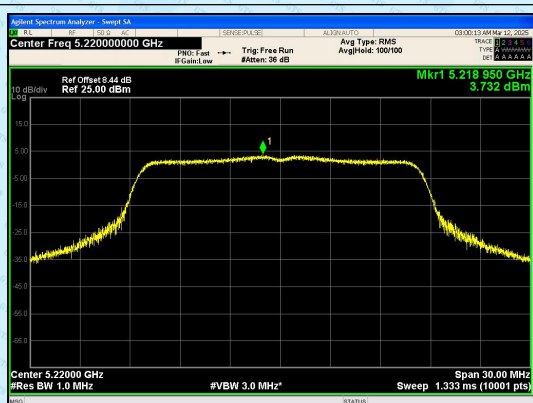
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna 0\_RU&Index SU

## Test Graphs for Ant1

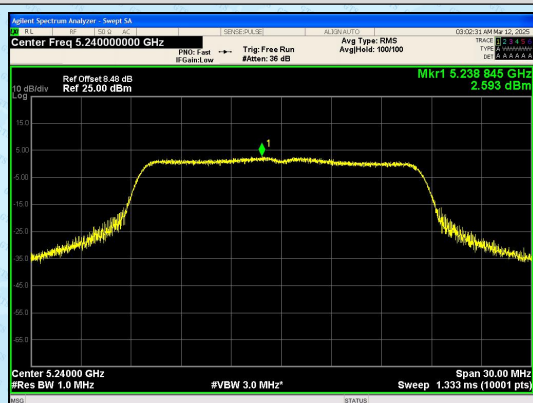
## U-NII-1(Band 1) 5.15~5.25GHz



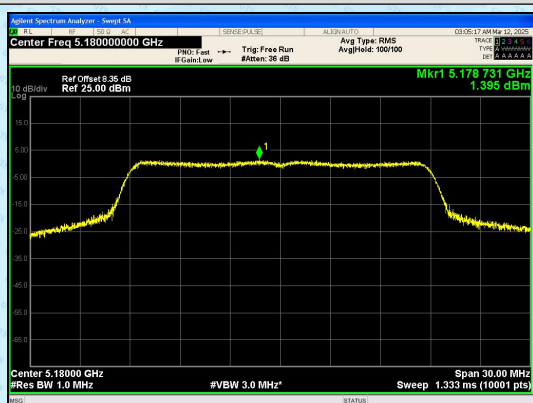
IEEE 802.11a\_Channel 36\_20MHz\_Antenna 1



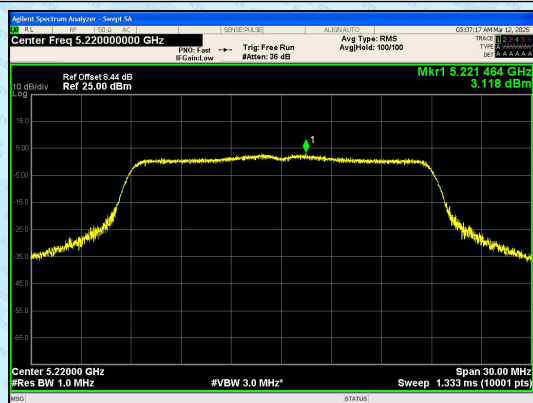
IEEE 802.11a\_Channel 44\_20MHz\_Antenna 1



IEEE 802.11a\_Channel 48\_20MHz\_Antenna 1



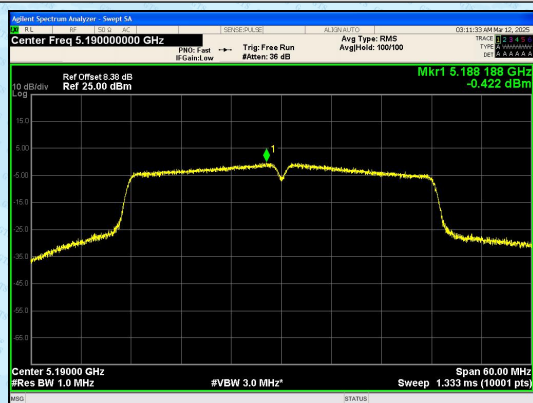
IEEE 802.11n\_Channel 36\_20MHz\_Antenna 1



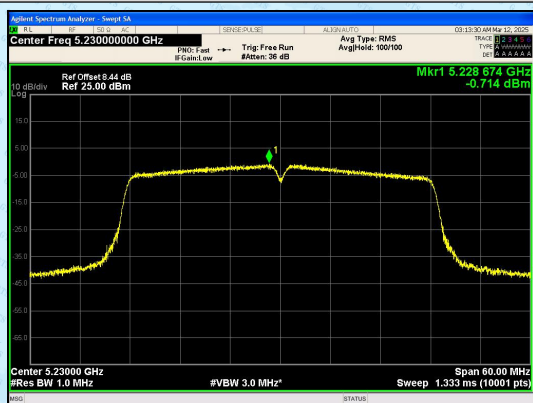
IEEE 802.11n\_Channel 44\_20MHz\_Antenna 1



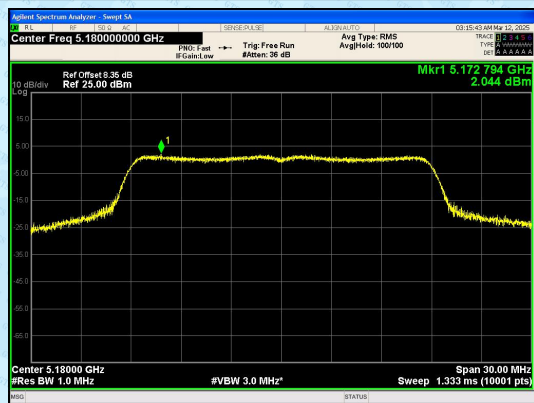
IEEE 802.11n\_Channel 48\_20MHz\_Antenna 1



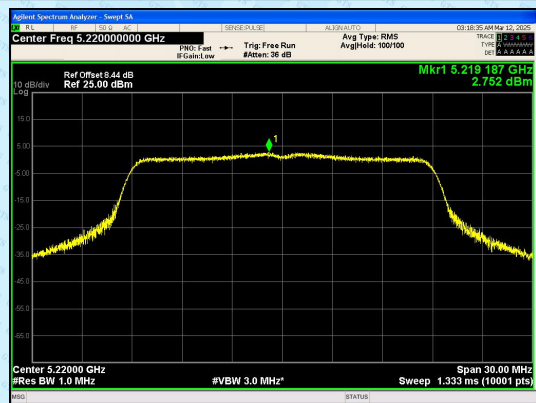
IEEE 802.11n\_Channel 38\_40MHz\_Antenna 1



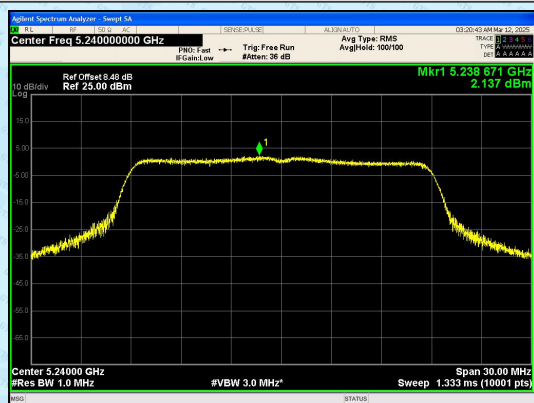
IEEE 802.11n\_Channel 46\_40MHz\_Antenna 1



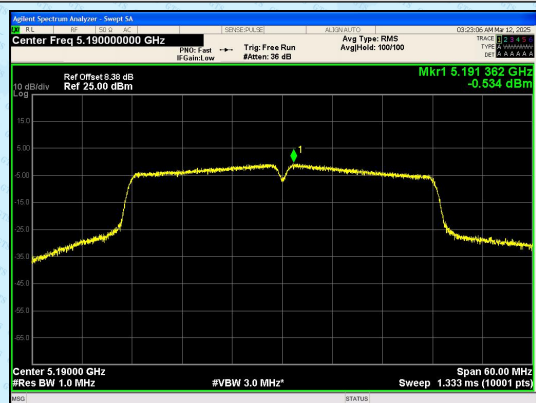
IEEE 802.11ac\_Channel 36\_20MHz\_Antenna 1



IEEE 802.11ac\_Channel 44\_20MHz\_Antenna 1



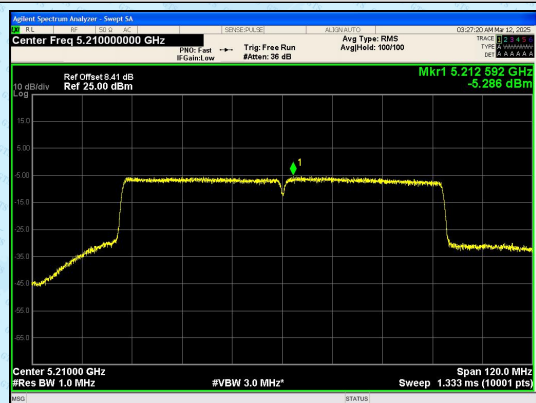
IEEE 802.11ac\_Channel 48\_20MHz\_Antenna 1



IEEE 802.11ac\_Channel 38\_40MHz\_Antenna 1



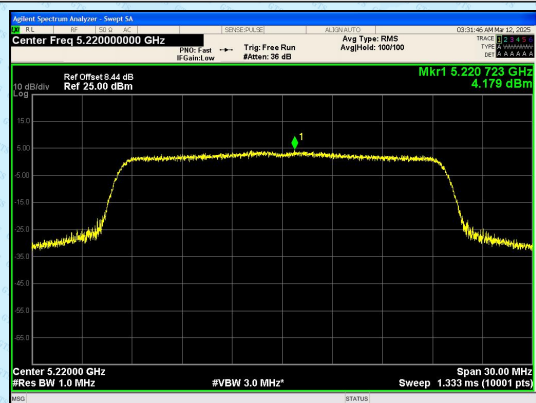
IEEE 802.11ac\_Channel 46\_40MHz\_Antenna 1



IEEE 802.11ac\_Channel 42\_80MHz\_Antenna 1

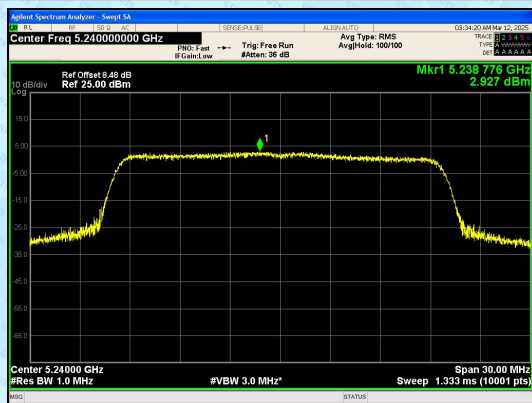


IEEE 802.11ax\_Channel 36\_20MHz\_Antenna 1\_RU&amp;Index SU

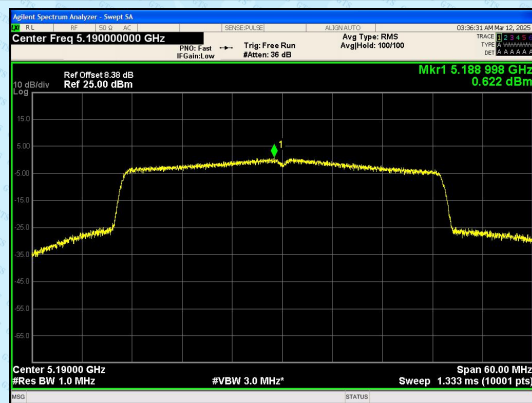


IEEE 802.11ax\_Channel 44\_20MHz\_Antenna 1\_RU&amp;Index SU





IEEE 802.11ax\_Channel 48\_20MHz\_Antenna 1\_RU&Index SU



IEEE 802.11ax\_Channel 38\_40MHz\_Antenna 1\_RU&Index SU



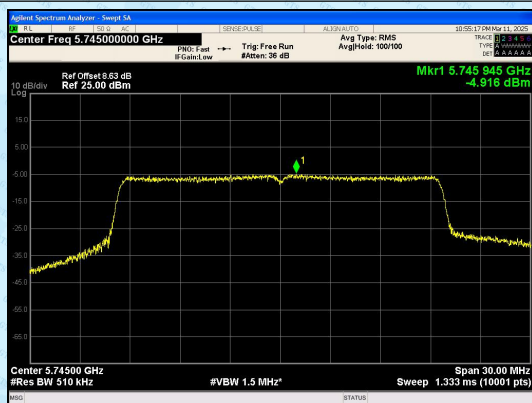
IEEE 802.11ax\_Channel 46\_40MHz\_Antenna 1\_RU&Index SU



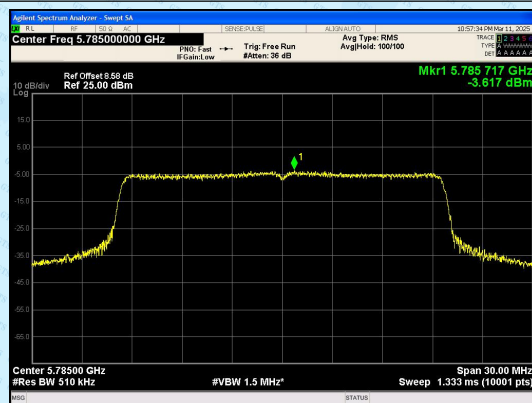
IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 1\_RU&Index SU

## Test Graphs for Ant1

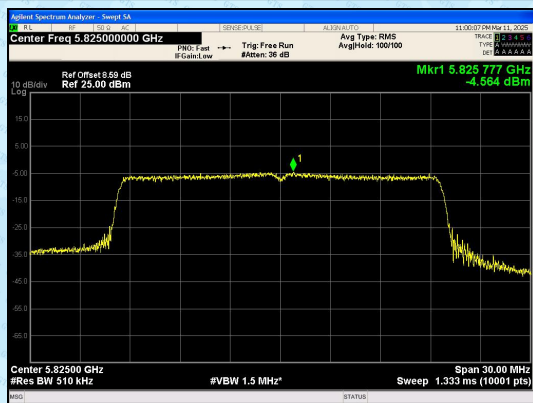
### U-NII-3(Band 4) 5.725~5.850GHz



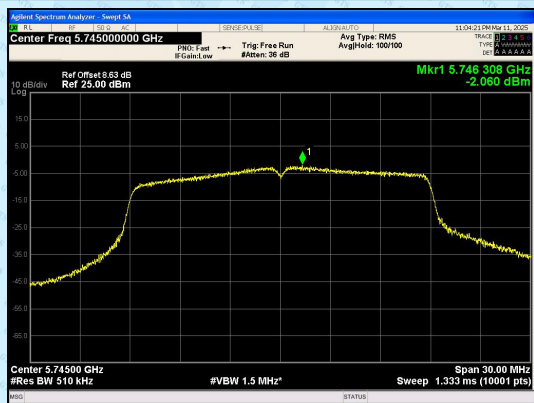
IEEE 802.11a\_Channel 149\_20MHz\_Antenna 1



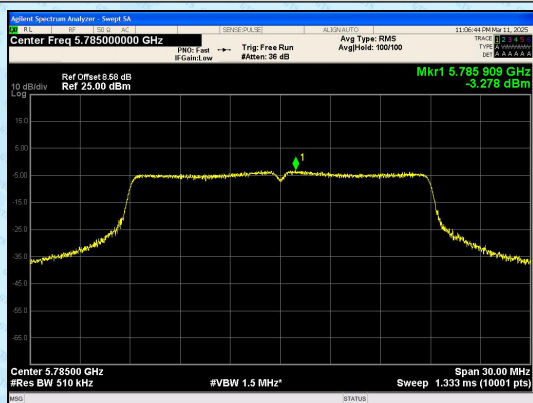
IEEE 802.11a\_Channel 157\_20MHz\_Antenna 1



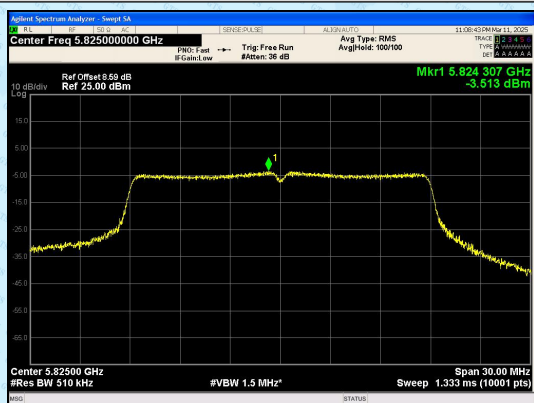
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 1



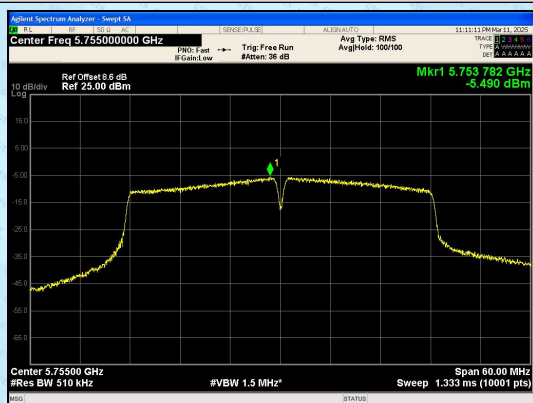
IEEE 802.11n\_Channel 149\_20MHz\_Antenna 1



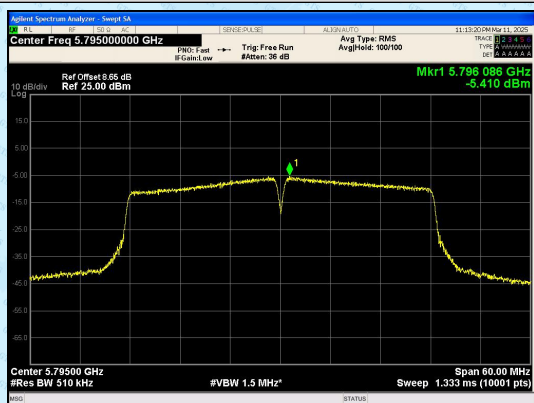
IEEE 802.11n\_Channel 157\_20MHz\_Antenna 1



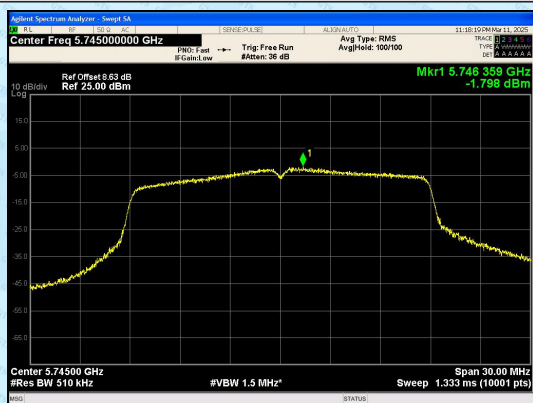
IEEE 802.11n\_Channel 165\_20MHz\_Antenna 1



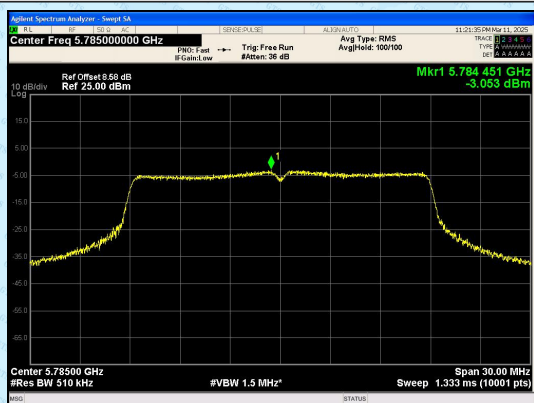
IEEE 802.11n\_Channel 151\_40MHz\_Antenna 1



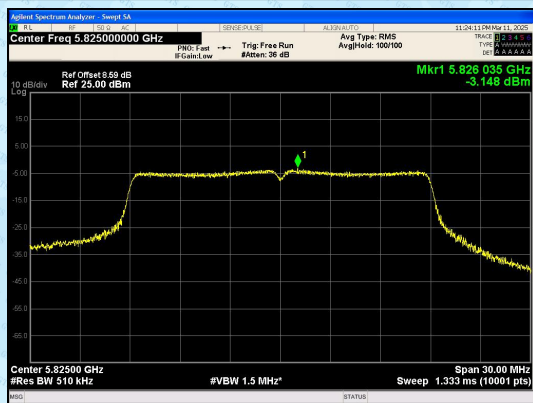
IEEE 802.11n\_Channel 159\_40MHz\_Antenna 1



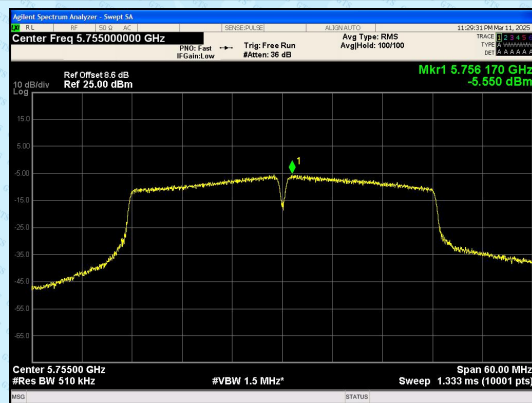
IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 1



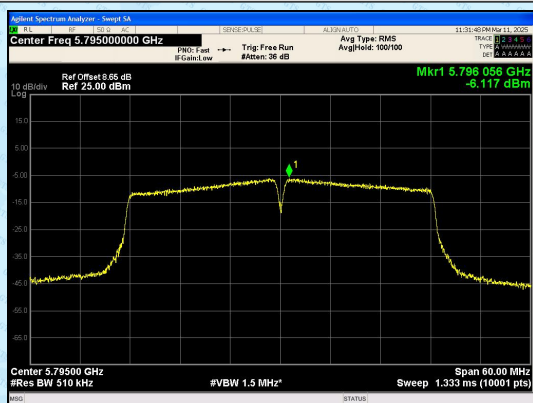
IEEE 802.11ac\_Channel 157\_20MHz\_Antenna 1



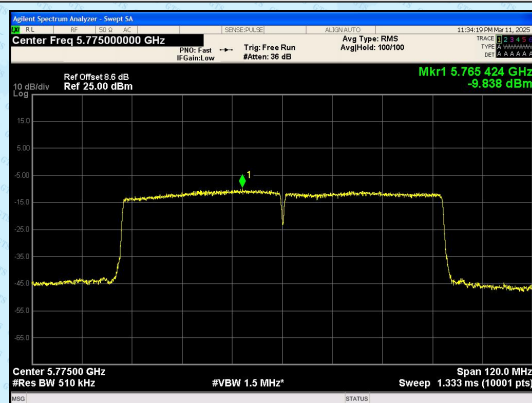
IEEE 802.11ac\_Channel 165\_20MHz\_Antenna 1



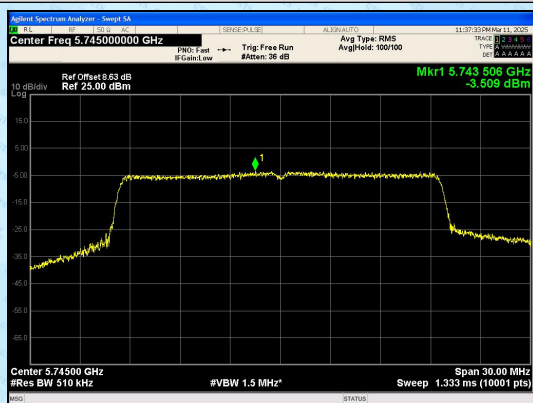
IEEE 802.11ac\_Channel 151\_40MHz\_Antenna 1



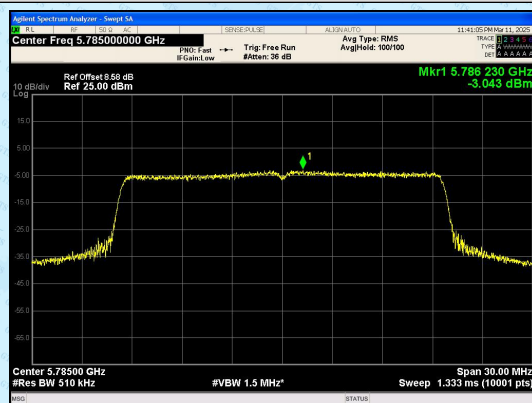
IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 1



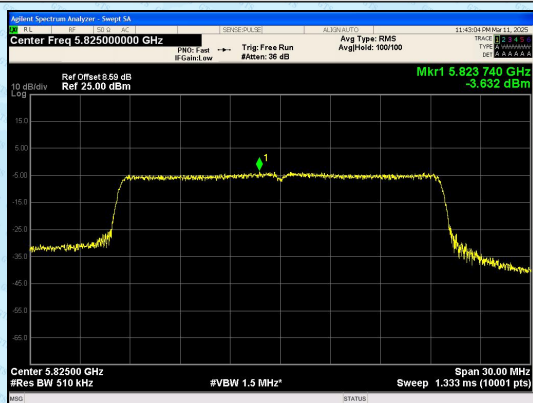
IEEE 802.11ac\_Channel 155\_80MHz\_Antenna 1



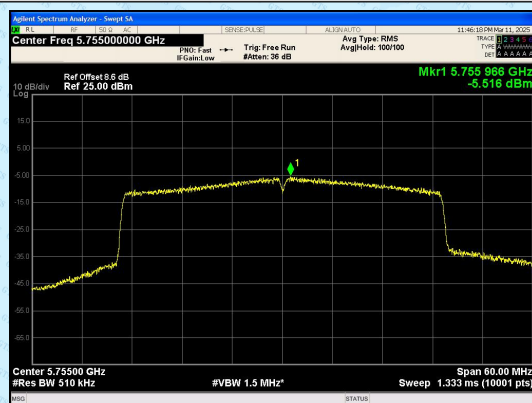
IEEE 802.11ax\_Channel 149\_20MHz\_Antenna 1\_RU&amp;Index SU



IEEE 802.11ax\_Channel 157\_20MHz\_Antenna 1\_RU&amp;Index SU

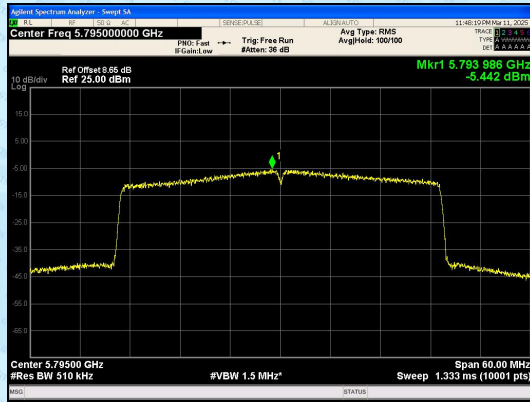


IEEE 802.11ax\_Channel 165\_20MHz\_Antenna 1\_RU&amp;Index SU

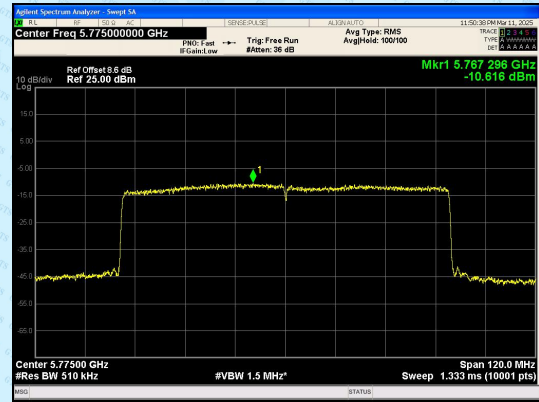


IEEE 802.11ax\_Channel 151\_40MHz\_Antenna 1\_RU&amp;Index SU





IEEE 802.11ax\_Channel 159\_40MHz\_Antenna 1\_RU&Index SU



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna 1\_RU&Index SU

## Frequency Stability

Test Result for Antenna 0

| FREQUENCY STABILITY VERSUS TEMP. |                          |                                |                    |                                |                    |                                |                    |                                |                    |
|----------------------------------|--------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Bandwidth 20MHz                  |                          |                                |                    | OPERATING FREQUENCY: 5180MHz   |                    |                                |                    |                                |                    |
| TEMP.<br>(°C)                    | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                    | 2 MINUTE                       |                    | 5 MINUTE                       |                    | 10 MINUTE                      |                    |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift |
| 50                               | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |
| 40                               | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |
| 30                               | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |
| 20                               | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |
| 10                               | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |
| 0                                | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |
| -10                              | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |
| -20                              | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |
| -30                              | 7.74                     | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               | 5180.00161                     | 0.31               |

| FREQUENCY STABILITY VERSUS TEMP. |                          |                                |                    |                                |                    |                                |                    |                                |                    |
|----------------------------------|--------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Bandwidth 20MHz                  |                          |                                |                    | OPERATING FREQUENCY: 5180MHz   |                    |                                |                    |                                |                    |
| TEMP.<br>(°C)                    | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                    | 2 MINUTE                       |                    | 5 MINUTE                       |                    | 10 MINUTE                      |                    |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift |
| 20                               | 8.51                     | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               |
|                                  | 7.74                     | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               |
|                                  | 6.96                     | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               | 5180.001619                    | 0.31               |



| FREQUENCY STABILITY VERSUS TEMP. |                          |                                |                    |                                |                    |                                |                    |                                |                    |
|----------------------------------|--------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Bandwidth 40MHz                  |                          |                                |                    | OPERATING FREQUENCY: 5190MHz   |                    |                                |                    |                                |                    |
| TEMP.<br>(°C)                    | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                    | 2 MINUTE                       |                    | 5 MINUTE                       |                    | 10 MINUTE                      |                    |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift |
| 50                               | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
| 40                               | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
| 30                               | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
| 20                               | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
| 10                               | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
| 0                                | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
| -10                              | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
| -20                              | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
| -30                              | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |

| FREQUENCY STABILITY VERSUS TEMP. |                          |                                |                    |                                |                    |                                |                    |                                |                    |
|----------------------------------|--------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Bandwidth 40MHz                  |                          |                                |                    | OPERATING FREQUENCY: 5190MHz   |                    |                                |                    |                                |                    |
| TEMP.<br>(°C)                    | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                    | 2 MINUTE                       |                    | 5 MINUTE                       |                    | 10 MINUTE                      |                    |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift |
| 20                               | 8.51                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
|                                  | 7.74                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |
|                                  | 6.96                     | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               | 5189.9989                      | -0.2               |

| FREQUENCY STABILITY VERSUS TEMP. |                          |                                |                    |                                |                    |                                |                    |                                |                    |
|----------------------------------|--------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Bandwidth 80MHz                  |                          |                                |                    | OPERATING FREQUENCY: 5210MHz   |                    |                                |                    |                                |                    |
| TEMP.<br>(°C)                    | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                    | 2 MINUTE                       |                    | 5 MINUTE                       |                    | 10 MINUTE                      |                    |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift |
| 50                               | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
| 40                               | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
| 30                               | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
| 20                               | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
| 10                               | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
| 0                                | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
| -10                              | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
| -20                              | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
| -30                              | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |

| FREQUENCY STABILITY VERSUS TEMP. |                          |                                |                    |                                |                    |                                |                    |                                |                    |
|----------------------------------|--------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Bandwidth 80MHz                  |                          |                                |                    | OPERATING FREQUENCY: 5210MHz   |                    |                                |                    |                                |                    |
| TEMP.<br>(°C)                    | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                    | 2 MINUTE                       |                    | 5 MINUTE                       |                    | 10 MINUTE                      |                    |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift |
| 20                               | 8.51                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
|                                  | 7.74                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |
|                                  | 6.96                     | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              | 5209.996                       | -0.72              |

\*\*\*\*\*END OF THE REPORT\*\*\*\*\*