

## Output Power

| Mode           | Tones/<br>RUIndex | Freq<br>(MHz) | Antenna | Conducted average<br>power output(dBm) | EIRP<br>(dBm) |
|----------------|-------------------|---------------|---------|--|---------------|
| 802.11a        | NA                | 5500          | Chain0  | 15.06                                  | 15.41         |
| 802.11a        | NA                | 5500          | Chain1  | 14.18                                  | 14.58         |
| 802.11a        | NA                | 5580          | Chain0  | 15.60                                  | 15.95         |
| 802.11a        | NA                | 5580          | Chain1  | 15.05                                  | 15.45         |
| 802.11a        | NA                | 5700          | Chain0  | 15.36                                  | 15.71         |
| 802.11a        | NA                | 5700          | Chain1  | 15.37                                  | 15.77         |
| 802.11n HT20   | NA                | 5500          | Chain0  | 14.66                                  | 15.01         |
| 802.11n HT20   | NA                | 5500          | Chain1  | 14.14                                  | 14.54         |
| 802.11n HT20   | NA                | 5500          | MIMO    | 17.42                                  | 17.82         |
| 802.11n HT20   | NA                | 5580          | Chain0  | 15.77                                  | 16.12         |
| 802.11n HT20   | NA                | 5580          | Chain1  | 14.93                                  | 15.33         |
| 802.11n HT20   | NA                | 5580          | MIMO    | 18.38                                  | 18.78         |
| 802.11n HT20   | NA                | 5700          | Chain0  | 15.28                                  | 15.63         |
| 802.11n HT20   | NA                | 5700          | Chain1  | 15.24                                  | 15.64         |
| 802.11n HT20   | NA                | 5700          | MIMO    | 18.27                                  | 18.67         |
| 802.11ac VHT20 | NA                | 5500          | Chain0  | 15.13                                  | 15.48         |
| 802.11ac VHT20 | NA                | 5500          | Chain1  | 14.04                                  | 14.44         |
| 802.11ac VHT20 | NA                | 5500          | MIMO    | 17.63                                  | 18.03         |
| 802.11ac VHT20 | NA                | 5580          | Chain0  | 15.44                                  | 15.79         |
| 802.11ac VHT20 | NA                | 5580          | Chain1  | 14.81                                  | 15.21         |
| 802.11ac VHT20 | NA                | 5580          | MIMO    | 18.15                                  | 18.55         |
| 802.11ac VHT20 | NA                | 5700          | Chain0  | 15.20                                  | 15.55         |
| 802.11ac VHT20 | NA                | 5700          | Chain1  | 14.96                                  | 15.36         |
| 802.11ac VHT20 | NA                | 5700          | MIMO    | 18.09                                  | 18.49         |
| 802.11n HT40   | NA                | 5510          | Chain0  | 11.38                                  | 11.73         |
| 802.11n HT40   | NA                | 5510          | Chain1  | 13.16                                  | 13.56         |
| 802.11n HT40   | NA                | 5510          | MIMO    | 15.37                                  | 15.77         |
| 802.11n HT40   | NA                | 5590          | Chain0  | 11.94                                  | 12.29         |
| 802.11n HT40   | NA                | 5590          | Chain1  | 13.84                                  | 14.24         |
| 802.11n HT40   | NA                | 5590          | MIMO    | 16.00                                  | 16.40         |
| 802.11n HT40   | NA                | 5670          | Chain0  | 11.09                                  | 11.44         |
| 802.11n HT40   | NA                | 5670          | Chain1  | 13.87                                  | 14.27         |
| 802.11n HT40   | NA                | 5670          | MIMO    | 15.71                                  | 16.11         |
| 802.11ac VHT40 | NA                | 5510          | Chain0  | 12.51                                  | 12.86         |
| 802.11ac VHT40 | NA                | 5510          | Chain1  | 14.00                                  | 14.40         |
| 802.11ac VHT40 | NA                | 5510          | MIMO    | 16.33                                  | 16.73         |
| 802.11ac VHT40 | NA                | 5590          | Chain0  | 13.38                                  | 13.73         |
| 802.11ac VHT40 | NA                | 5590          | Chain1  | 14.97                                  | 15.37         |
| 802.11ac VHT40 | NA                | 5590          | MIMO    | 17.26                                  | 17.66         |
| 802.11ac VHT40 | NA                | 5670          | Chain0  | 12.90                                  | 13.25         |
| 802.11ac VHT40 | NA                | 5670          | Chain1  | 14.44                                  | 14.84         |
| 802.11ac VHT40 | NA                | 5670          | MIMO    | 16.75                                  | 17.15         |

|                |    |      |        |       |       |
|----------------|----|------|--------|-------|-------|
| 802.11ac VHT80 | NA | 5530 | Chain0 | 10.50 | 10.85 |
| 802.11ac VHT80 | NA | 5530 | Chain1 | 12.56 | 12.96 |
| 802.11ac VHT80 | NA | 5530 | MIMO   | 14.66 | 15.06 |
| 802.11ac VHT80 | NA | 5610 | Chain0 | 11.38 | 11.73 |
| 802.11ac VHT80 | NA | 5610 | Chain1 | 12.87 | 13.27 |
| 802.11ac VHT80 | NA | 5610 | MIMO   | 15.20 | 15.60 |

## Emission Bandwidth

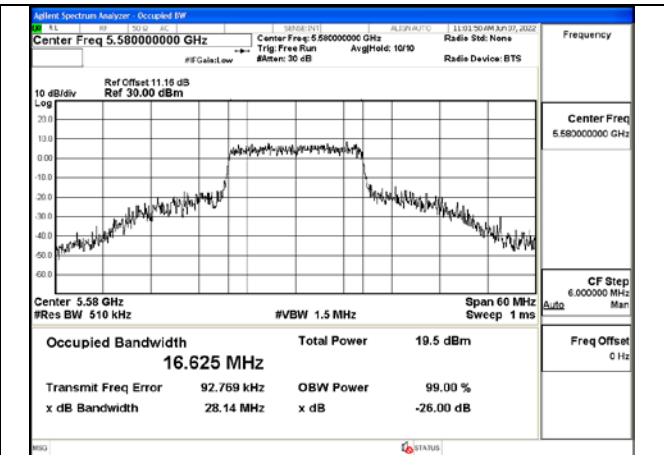
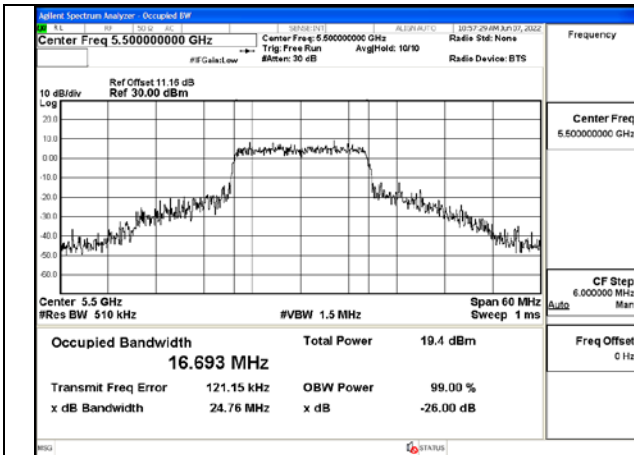
Offset 11.16dB = Attenuator + Temporary antenna connector loss + Cable loss

| Test Mode      | Antenna | 26dB Bandwidth (MHz) |                |                |
|----------------|---------|----------------------|----------------|----------------|
|                |         | Channel No.618       | Channel No.634 | Channel No.658 |
|                |         | 5500MHz              | 5580MHz        | 5700MHz        |
| 802.11a        | Chain0  | 24.76                | 28.14          | 22.35          |
| 802.11a        | Chain1  | 18.61                | 23.18          | 24.07          |
| 802.11n HT20   | Chain0  | 26.60                | 28.42          | 25.81          |
| 802.11n HT20   | Chain1  | 22.38                | 23.99          | 23.03          |
| 802.11ac VHT20 | Chain0  | 27.54                | 29.06          | 26.19          |
| 802.11ac VHT20 | Chain1  | 19.75                | 19.48          | 24.18          |

| Test Mode      | Antenna | 26dB Bandwidth (MHz) |                |                |
|----------------|---------|----------------------|----------------|----------------|
|                |         | Channel No.620       | Channel No.636 | Channel No.652 |
|                |         | 5510MHz              | 5590MHz        | 5670MHz        |
| 802.11n HT40   | Chain0  | 42.95                | 46.93          | 43.85          |
| 802.11n HT40   | Chain1  | 47.14                | 47.11          | 41.74          |
| 802.11ac VHT40 | Chain0  | 41.25                | 41.19          | 40.96          |
| 802.11ac VHT40 | Chain1  | 40.11                | 44.21          | 49.35          |

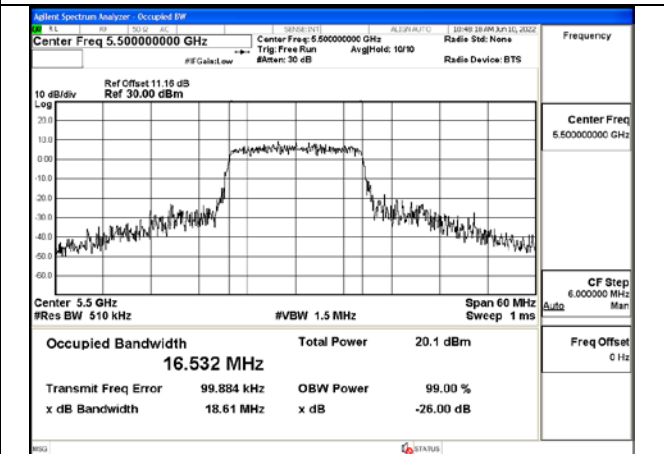
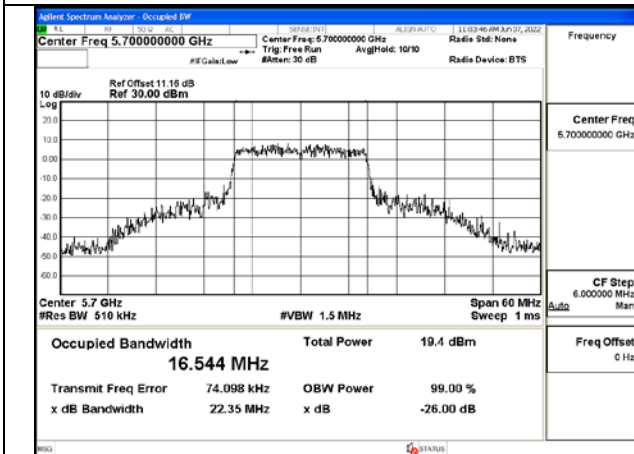
| Test Mode      | Antenna | 26dB Bandwidth (MHz) |     |                |
|----------------|---------|----------------------|-----|----------------|
|                |         | Channel No.624       | --- | Channel No.640 |
|                |         | 5530MHz              | --- | 5610MHz        |
| 802.11ac VHT80 | Chain0  | 80.75                | --- | 85.46          |
| 802.11ac VHT80 | Chain1  | 83.48                | --- | 82.32          |

Test Mode: 802.11a



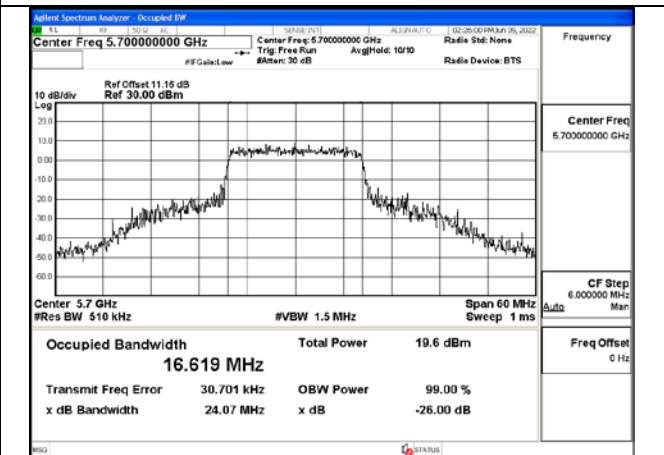
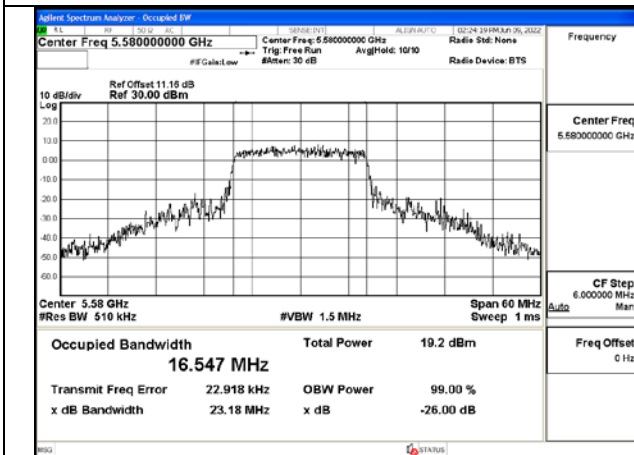
Test Mode:802.11a 5500MHz Chain0

Test Mode:802.11a 5580MHz Chain0



Test Mode:802.11a 5700MHz Chain0

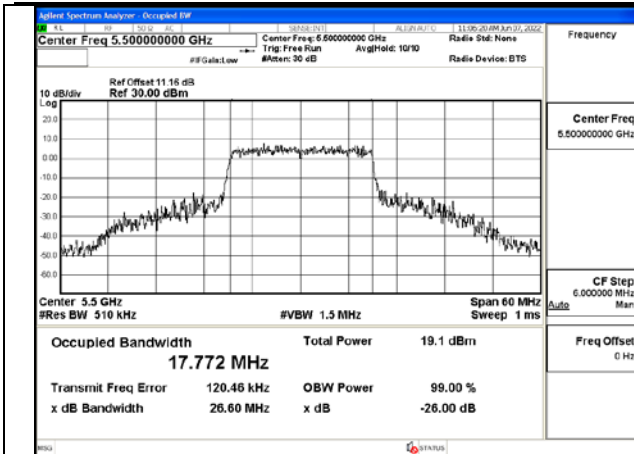
Test Mode:802.11a 5500MHz Chain1



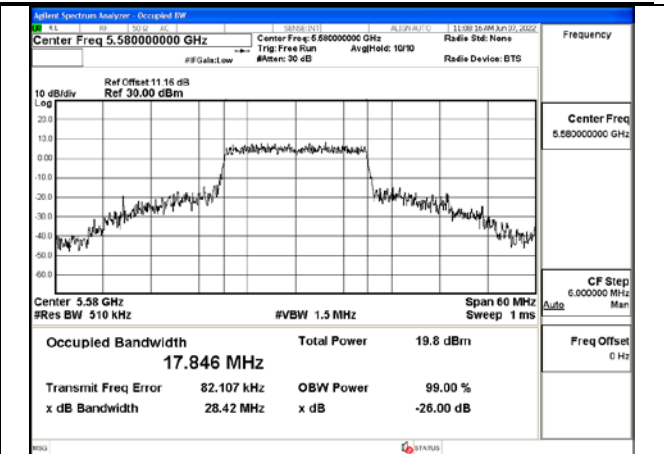
Test Mode:802.11a 5580MHz Chain1

Test Mode:802.11a 5700MHz Chain1

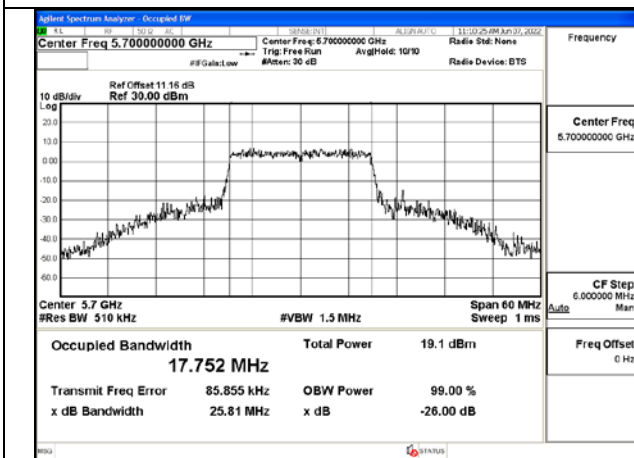
Test Mode: 802.11n HT20



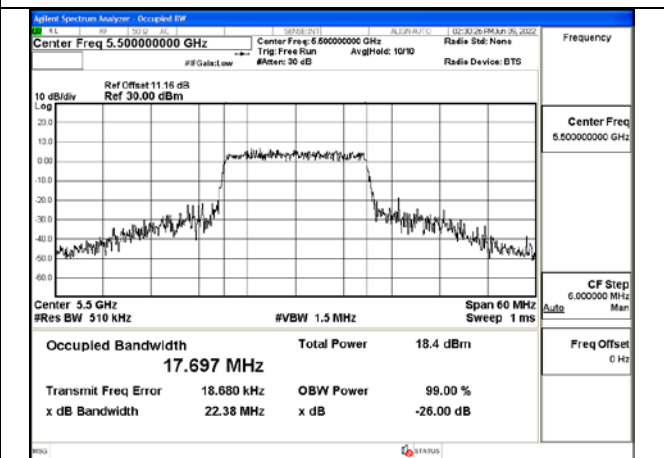
Test Mode:802.11n HT20 5500MHz Chain0



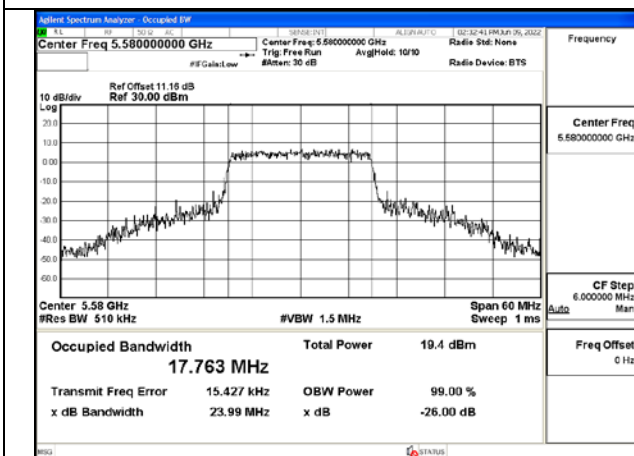
Test Mode:802.11n HT20 5580MHz Chain0



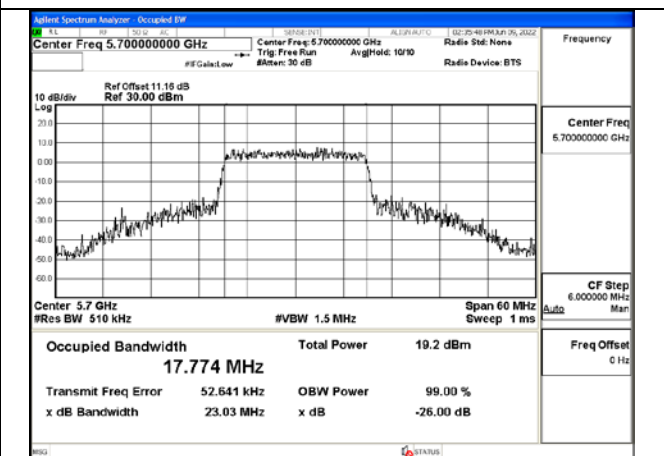
Test Mode:802.11n HT20 5700MHz Chain0



Test Mode:802.11n HT20 5500MHz Chain1

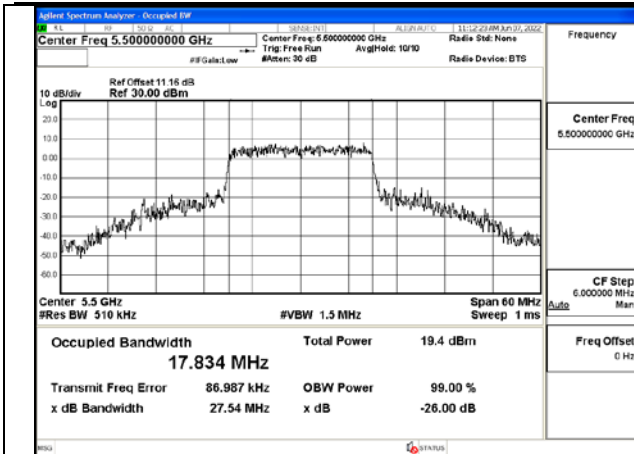


Test Mode:802.11n HT20 5580MHz Chain1

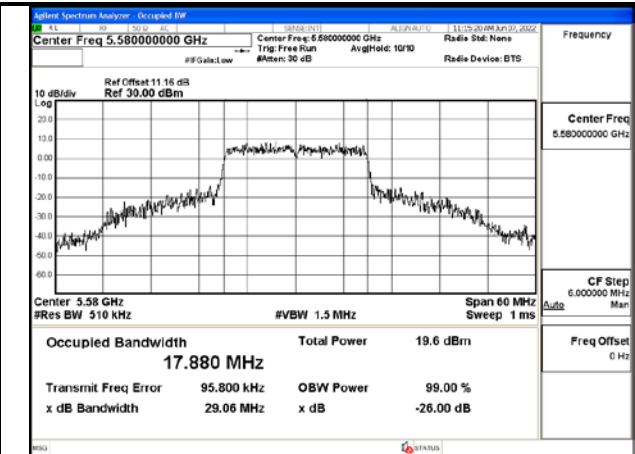


Test Mode:802.11n HT20 5700MHz Chain1

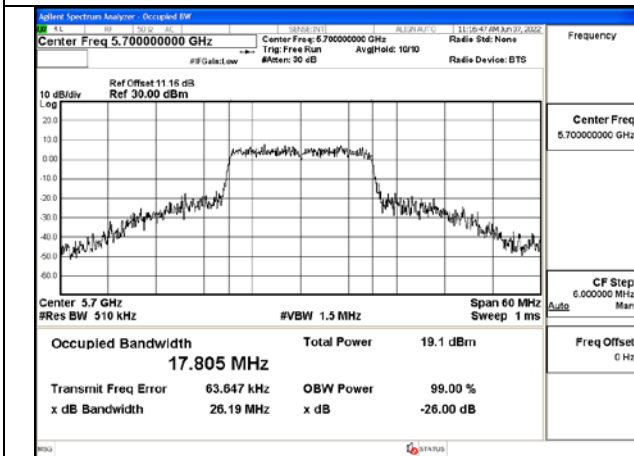
Test Mode: 802.11ac VHT20



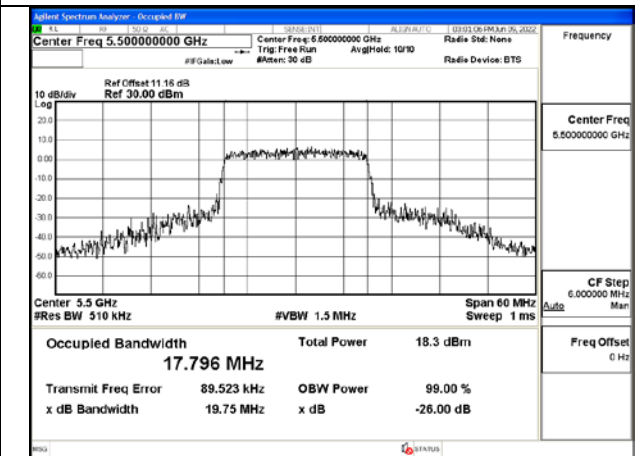
Test Mode:802.11ac VHT20 5500MHz Chain0



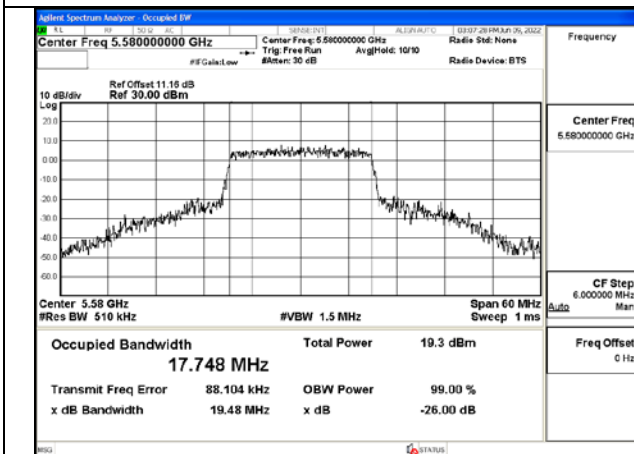
Test Mode:802.11ac VHT20 5580MHz Chain0



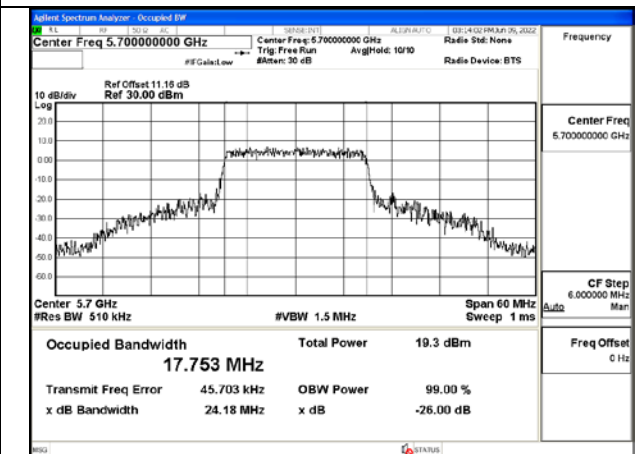
Test Mode:802.11ac VHT20 5700MHz Chain0



Test Mode:802.11ac VHT20 5500MHz Chain1

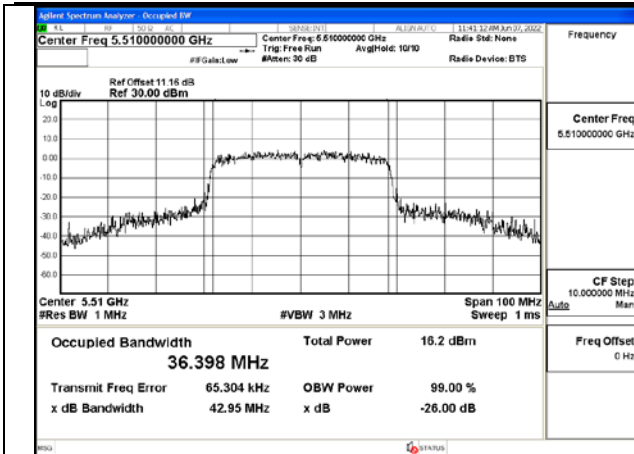


Test Mode:802.11ac VHT20 5580MHz Chain1

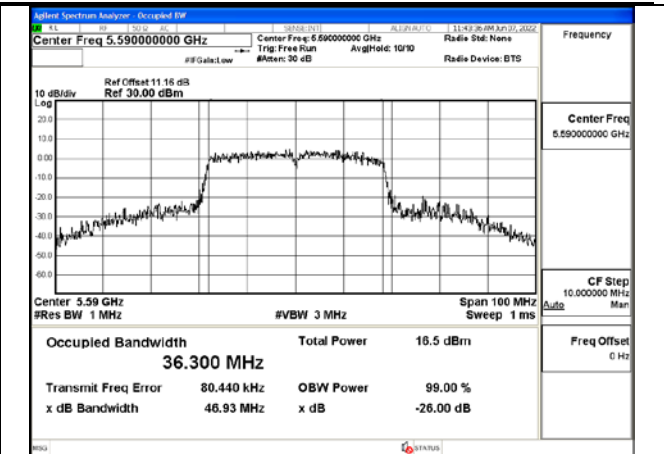


Test Mode:802.11ac VHT20 5700MHz Chain1

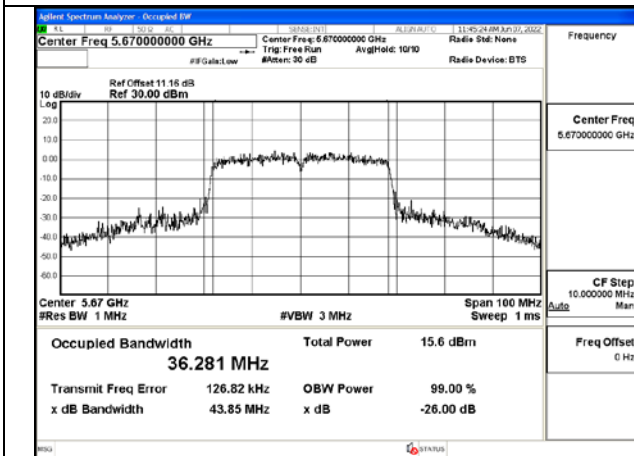
Test Mode: 802.11n HT40



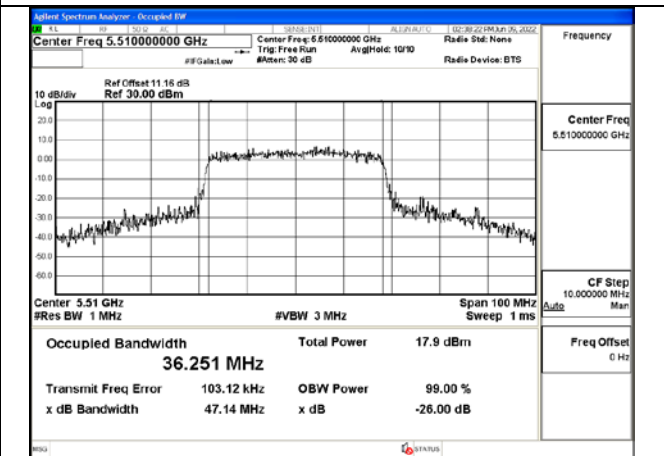
Test Mode:802.11n HT40 5510MHz Chain0



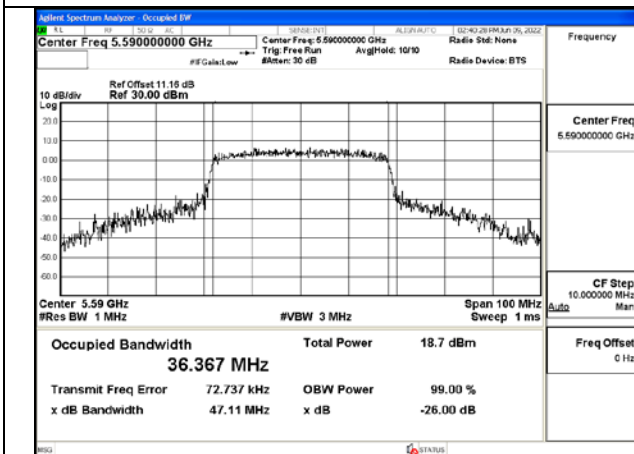
Test Mode:802.11n HT40 5590MHz Chain0



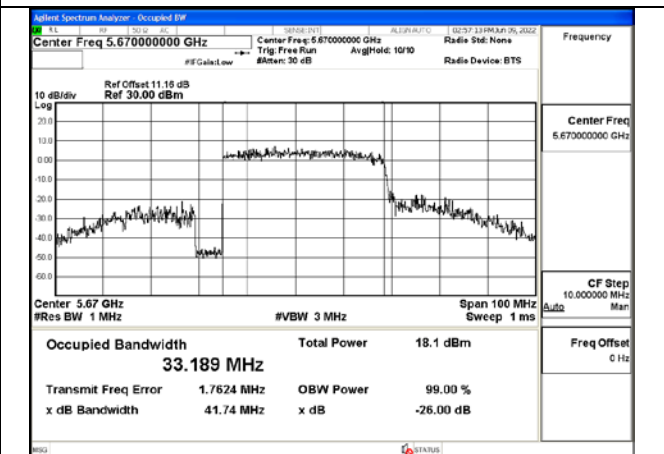
Test Mode:802.11n HT40 5670MHz Chain0



Test Mode:802.11n HT40 5510MHz Chain1

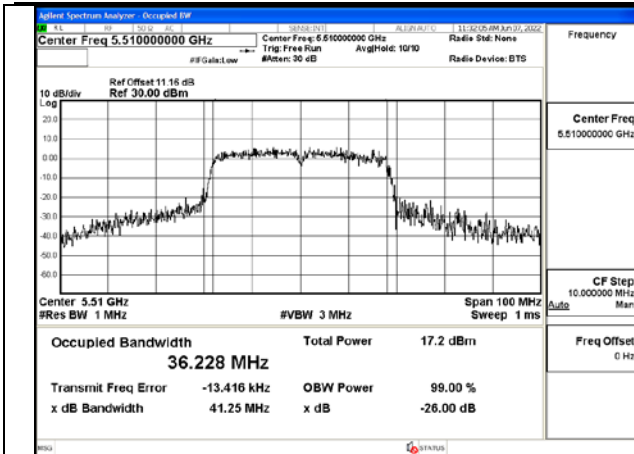


Test Mode:802.11n HT40 5590MHz Chain1

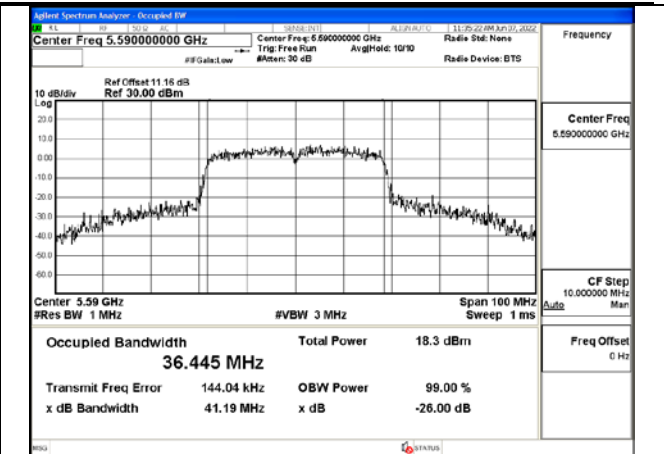


Test Mode:802.11n HT40 5670MHz Chain1

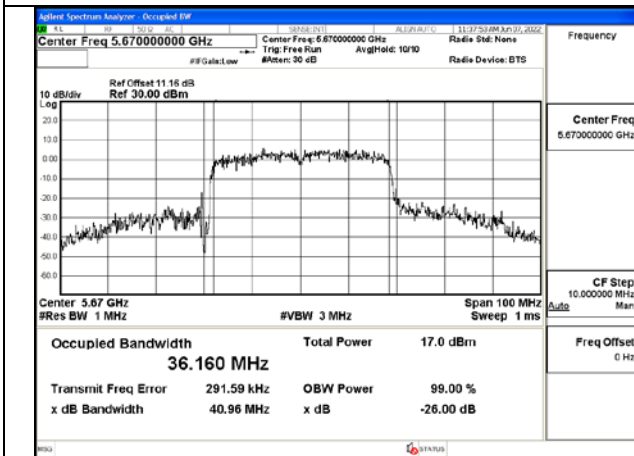
Test Mode: 802.11ac VHT40



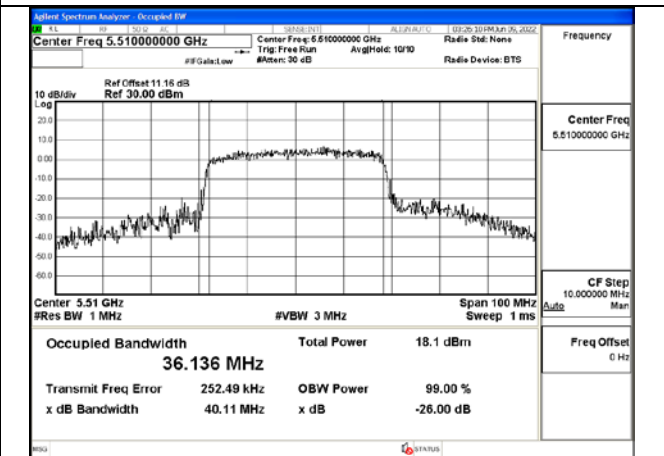
Test Mode:802.11ac VHT40 5510MHz Chain0



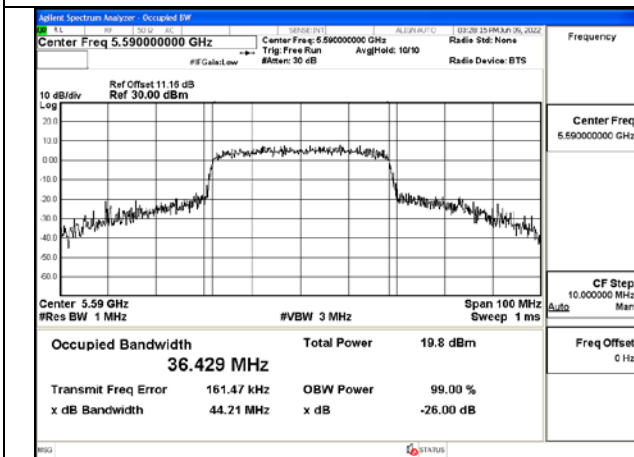
Test Mode:802.11ac VHT40 5590MHz Chain0



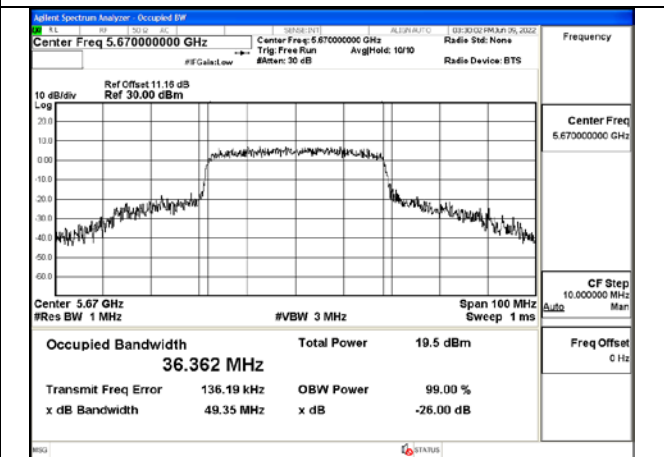
Test Mode:802.11ac VHT40 5670MHz Chain0



Test Mode:802.11ac VHT40 5510MHz Chain1



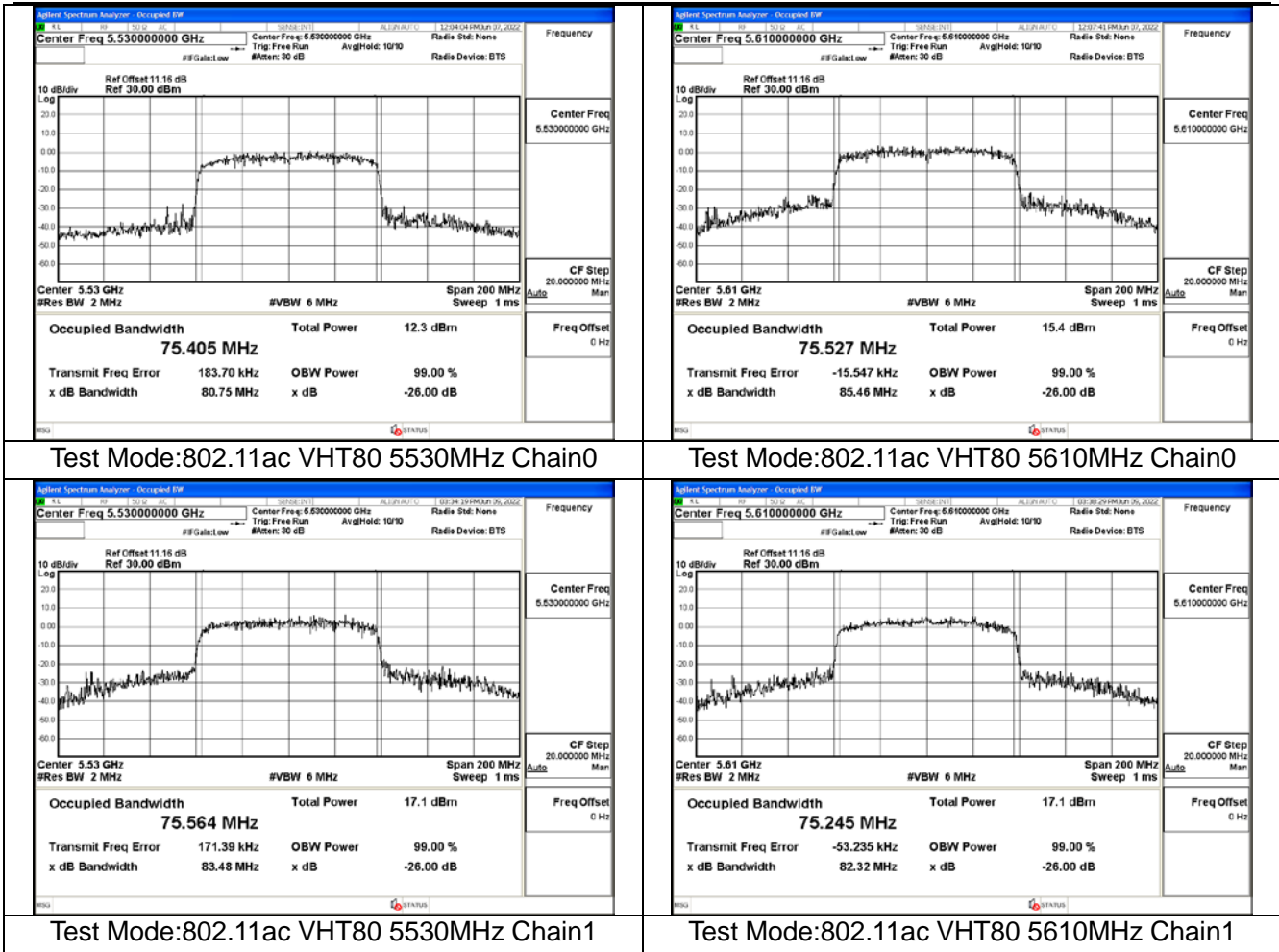
Test Mode:802.11ac VHT40 5590MHz Chain1



Test Mode:802.11ac VHT40 5670MHz Chain1

Test Mode: 802.11ac VHT80





### Occupied Bandwidth

Offset 11.16dB = Attenuator + Temporary antenna connector loss + Cable loss

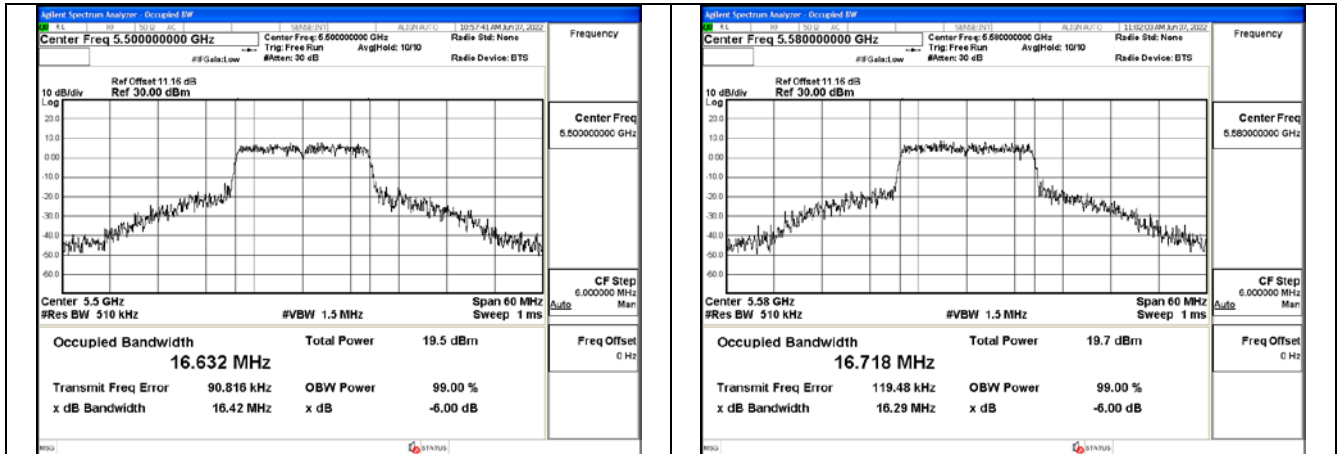
| Test Mode      | Antenna | Occupied Bandwidth (MHz) |                |                |
|----------------|---------|--------------------------|----------------|----------------|
|                |         | Channel No.618           | Channel No.634 | Channel No.658 |
|                |         | 5500MHz                  | 5580MHz        | 5700MHz        |
| 802.11a        | Chain0  | 16.632                   | 16.718         | 16.606         |
| 802.11a        | Chain1  | 16.565                   | 16.591         | 16.565         |
| 802.11n HT20   | Chain0  | 17.855                   | 17.898         | 17.768         |
| 802.11n HT20   | Chain1  | 17.741                   | 17.724         | 17.723         |
| 802.11ac VHT20 | Chain0  | 17.772                   | 17.936         | 17.790         |
| 802.11ac VHT20 | Chain1  | 17.681                   | 17.731         | 17.770         |

| Test Mode      | Antenna | Occupied Bandwidth (MHz) |                |                |
|----------------|---------|--------------------------|----------------|----------------|
|                |         | Channel No.620           | Channel No.636 | Channel No.652 |
|                |         | 5510MHz                  | 5590MHz        | 5670MHz        |
| 802.11n HT40   | Chain0  | 36.343                   | 36.391         | 36.272         |
| 802.11n HT40   | Chain1  | 36.241                   | 36.299         | 36.452         |
| 802.11ac VHT40 | Chain0  | 36.238                   | 36.424         | 36.344         |
| 802.11ac VHT40 | Chain1  | 36.257                   | 36.443         | 36.497         |



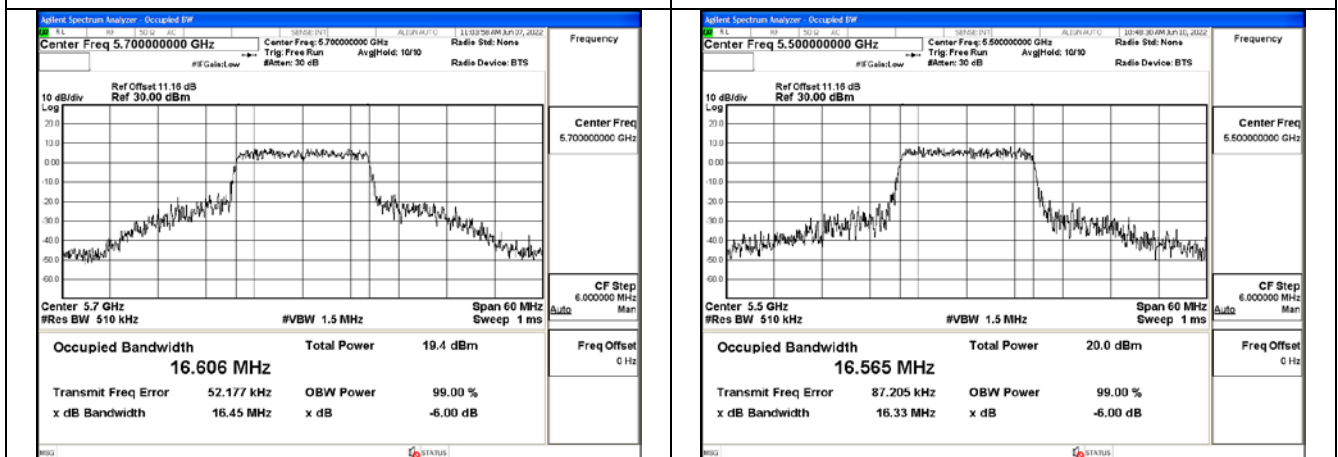
| Test Mode      | Antenna | Occupied Bandwidth (MHz) |     |                |
|----------------|---------|--------------------------|-----|----------------|
|                |         | Channel No.624           | --- | Channel No.640 |
|                |         | 5530MHz                  | --- | 5610MHz        |
| 802.11ac VHT80 | Chain0  | 75.068                   | --- | 75.353         |
| 802.11ac VHT80 | Chain1  | 75.308                   | --- | 75.226         |

Test Mode: 802.11a



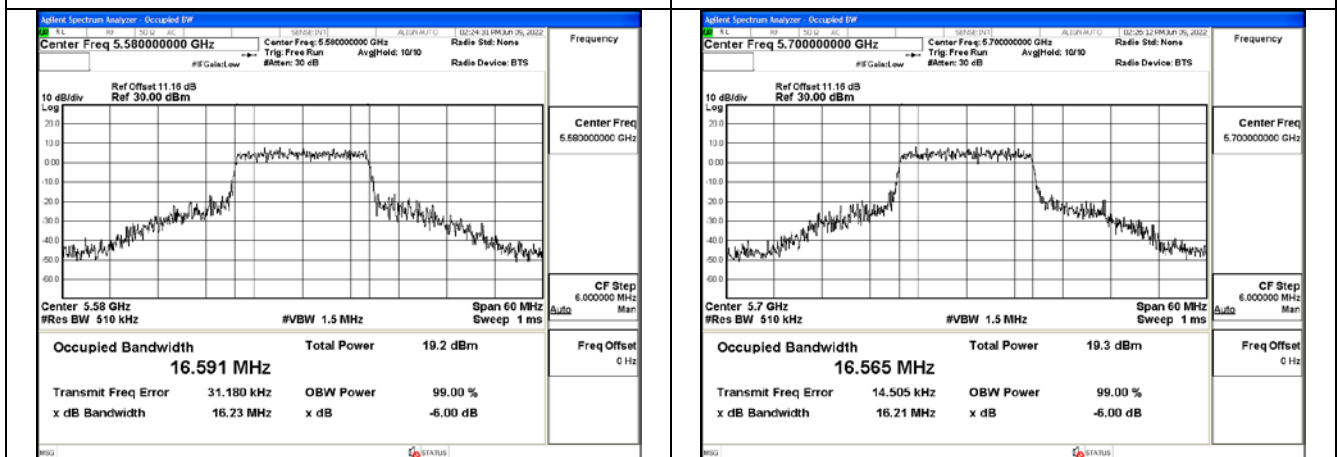
Test Mode:802.11a 5500MHz Chain0

Test Mode:802.11a 5580MHz Chain0



Test Mode:802.11a 5700MHz Chain0

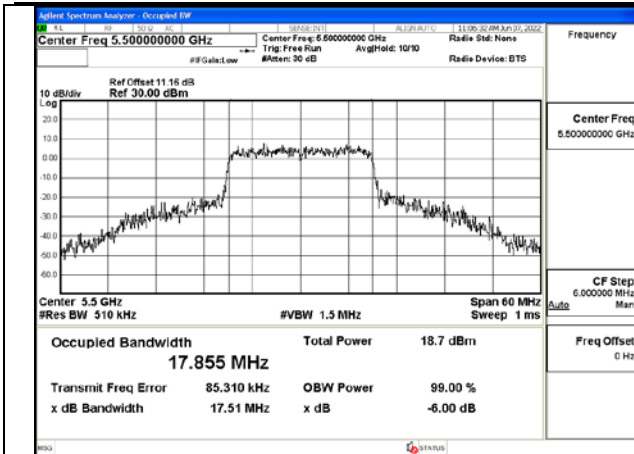
Test Mode:802.11a 5500MHz Chain1



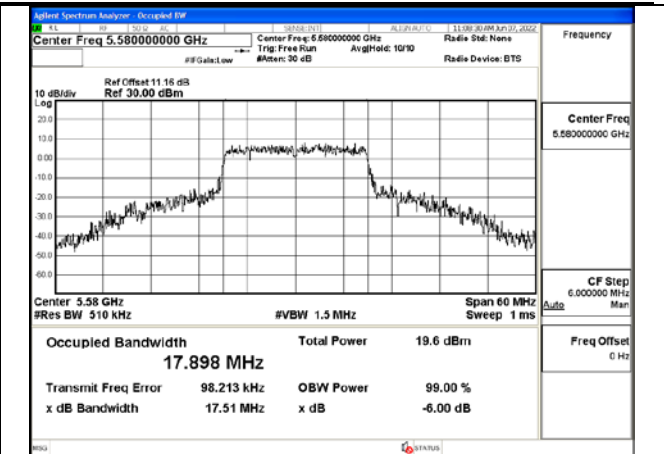
Test Mode:802.11a 5580MHz Chain1

Test Mode:802.11a 5700MHz Chain1

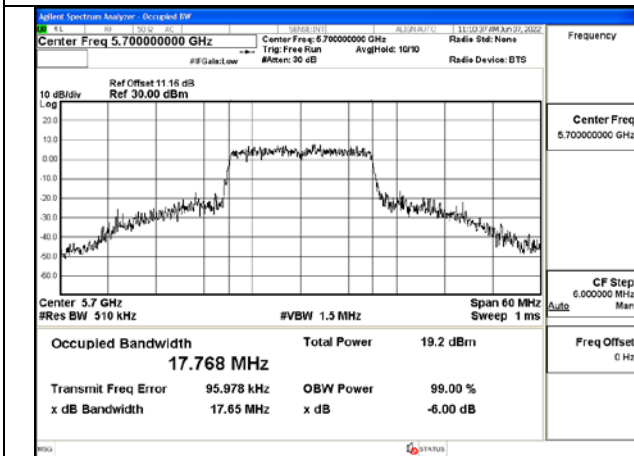
Test Mode: 802.11n HT20



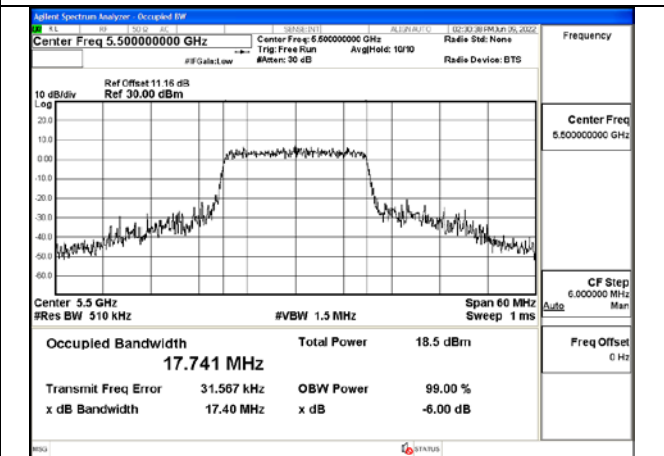
Test Mode:802.11n HT20 5500MHz Chain0



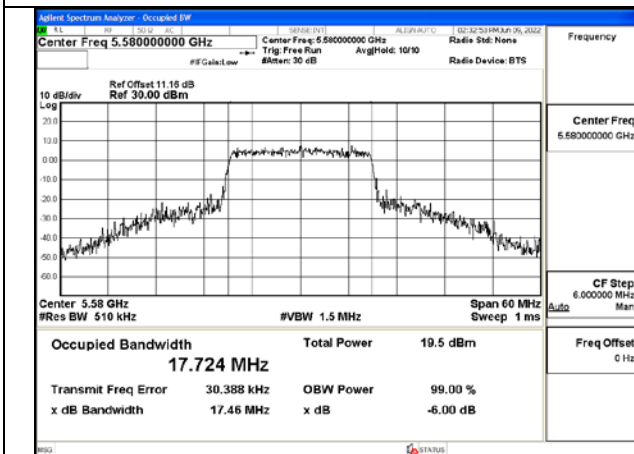
Test Mode:802.11n HT20 5580MHz Chain0



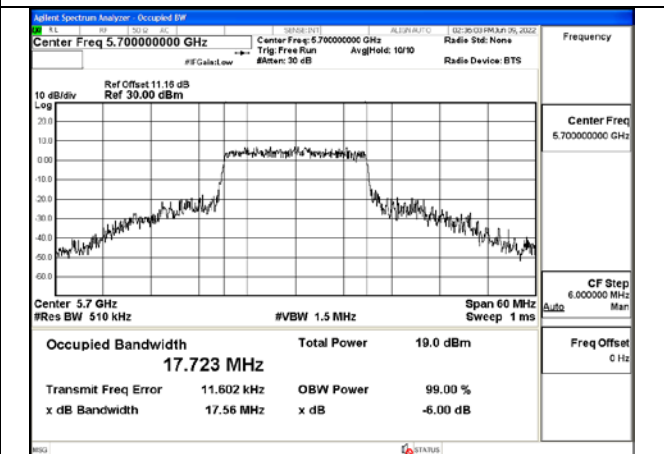
Test Mode:802.11n HT20 5700MHz Chain0



Test Mode:802.11n HT20 5500MHz Chain1

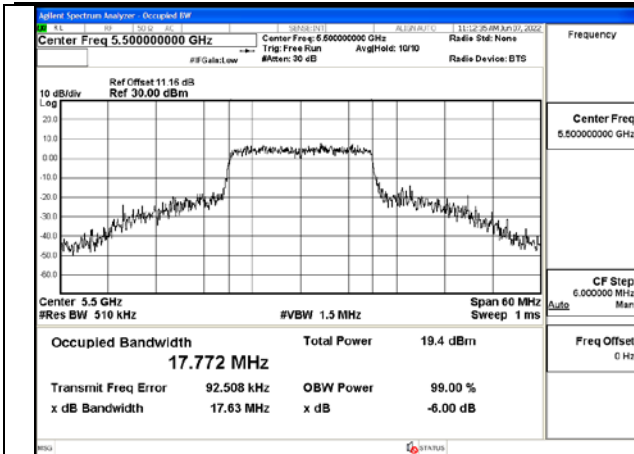


Test Mode:802.11n HT20 5580MHz Chain1

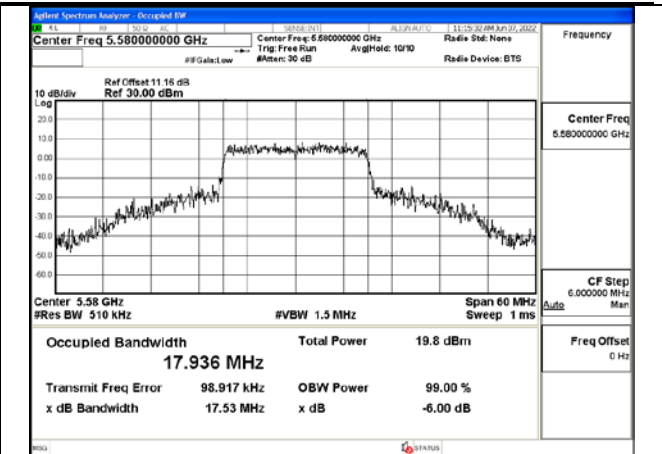


Test Mode:802.11n HT20 5700MHz Chain1

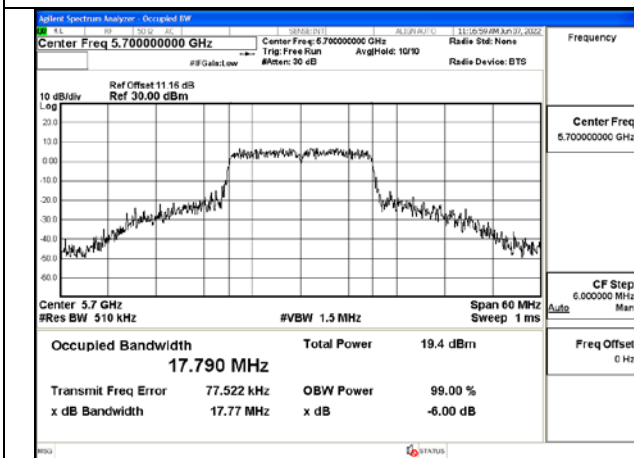
Test Mode: 802.11ac VHT20



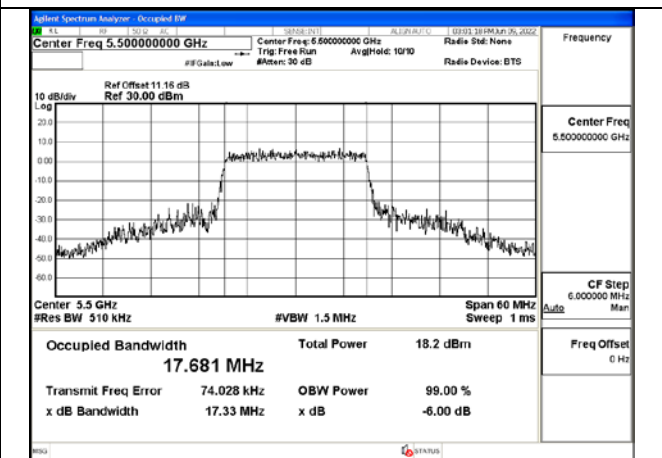
Test Mode:802.11ac VHT20 5500MHz Chain0



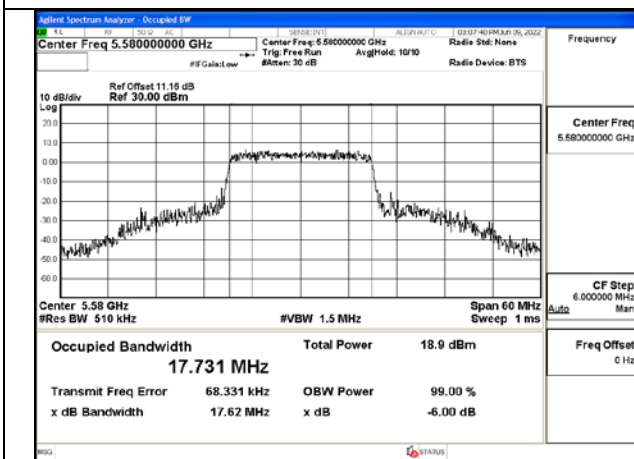
Test Mode:802.11ac VHT20 5580MHz Chain0



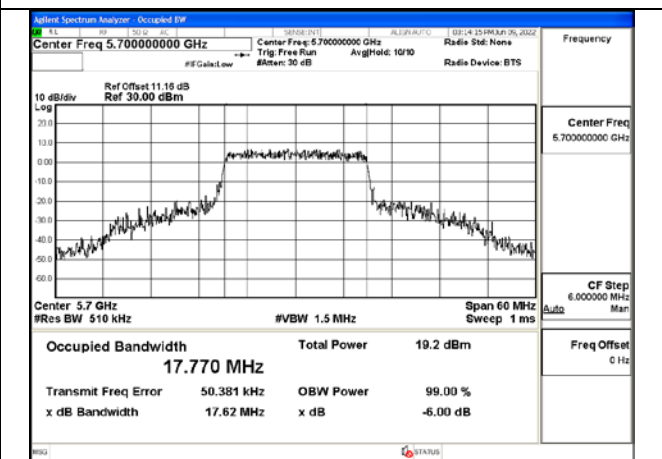
Test Mode:802.11ac VHT20 5700MHz Chain0



Test Mode:802.11ac VHT20 5500MHz Chain1

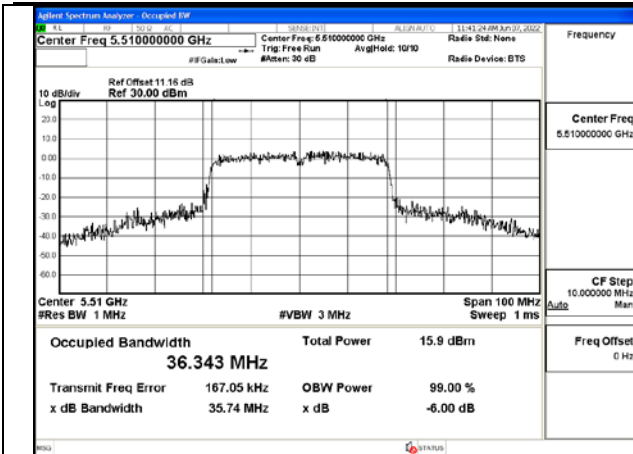


Test Mode:802.11ac VHT20 5580MHz Chain1

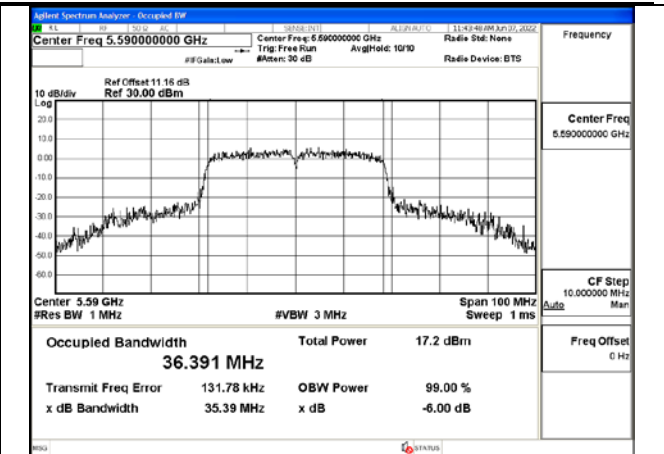


Test Mode:802.11ac VHT20 5700MHz Chain1

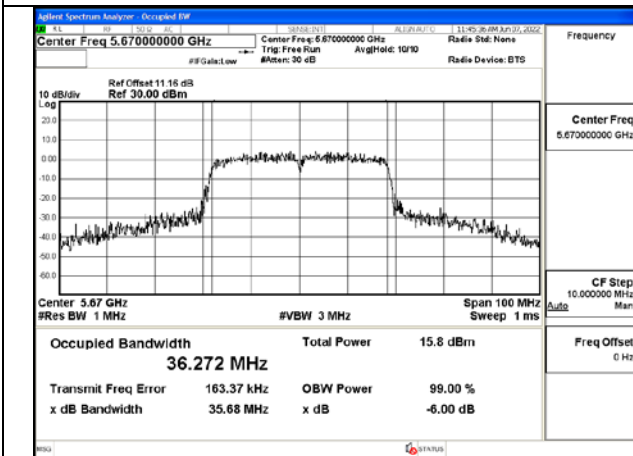
Test Mode: 802.11n HT40



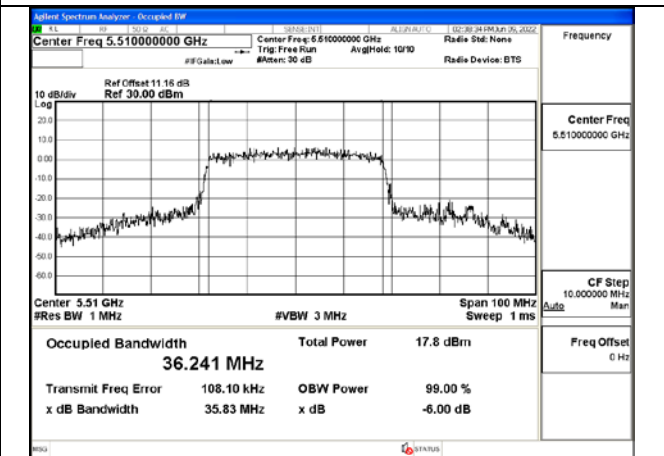
Test Mode:802.11n HT40 5510MHz Chain0



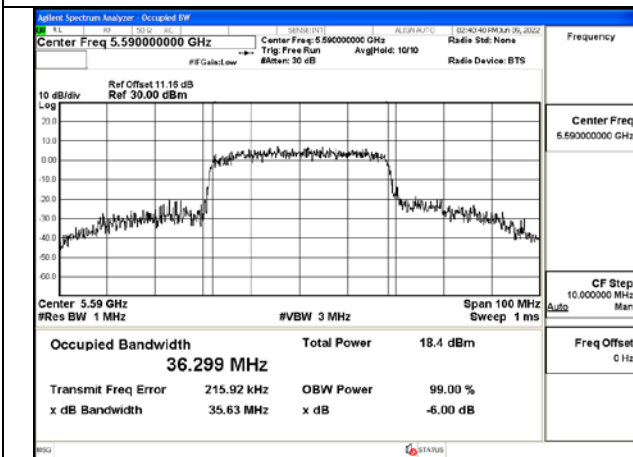
Test Mode:802.11n HT40 5590MHz Chain0



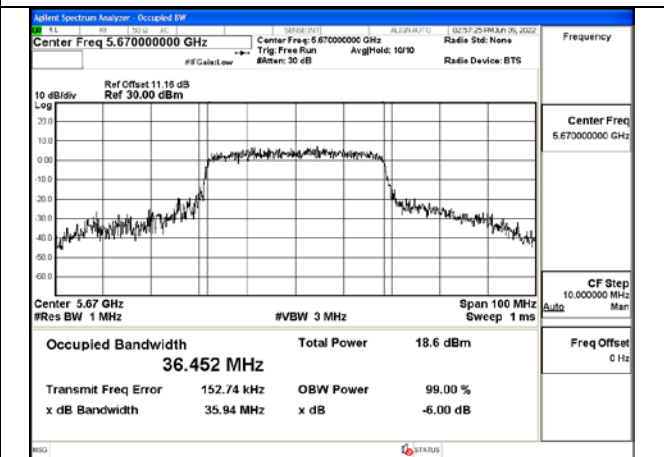
Test Mode:802.11n HT40 5670MHz Chain0



Test Mode:802.11n HT40 5510MHz Chain1

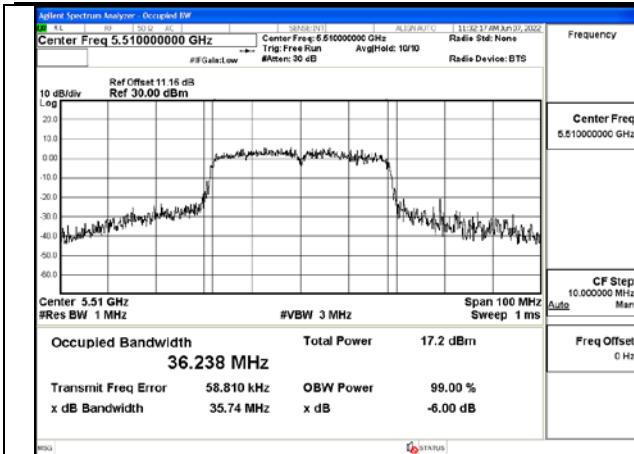


Test Mode:802.11n HT40 5590MHz Chain1

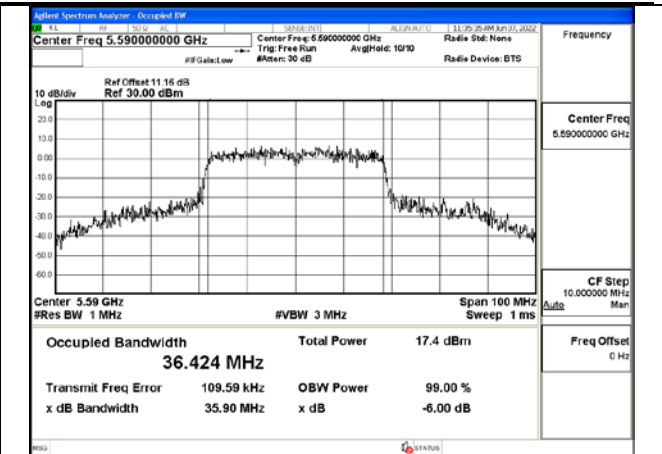


Test Mode:802.11n HT40 5670MHz Chain1

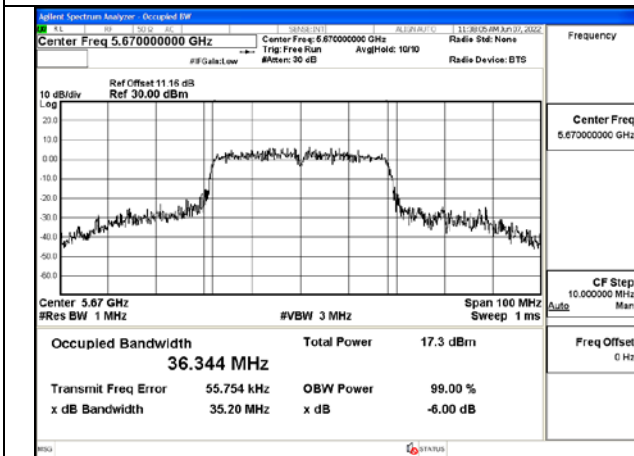
Test Mode: 802.11ac VHT40



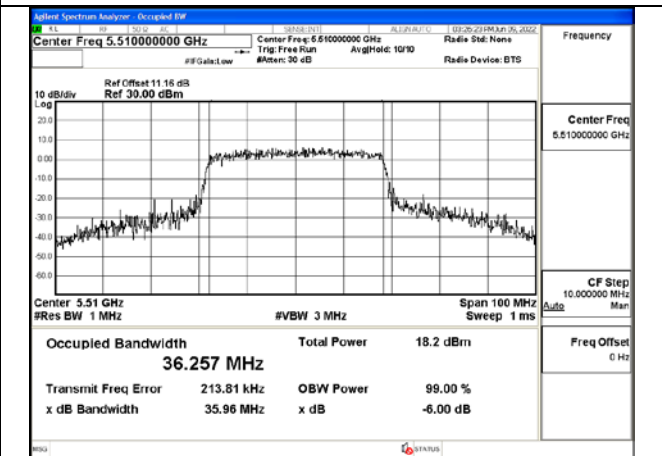
Test Mode:802.11ac VHT40 5510MHz Chain0



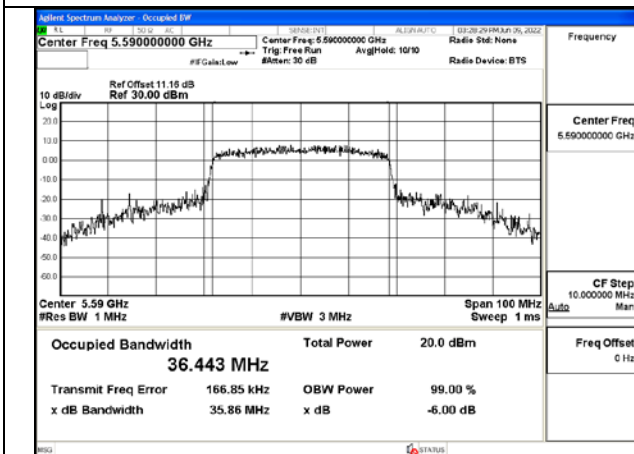
Test Mode:802.11ac VHT40 5590MHz Chain0



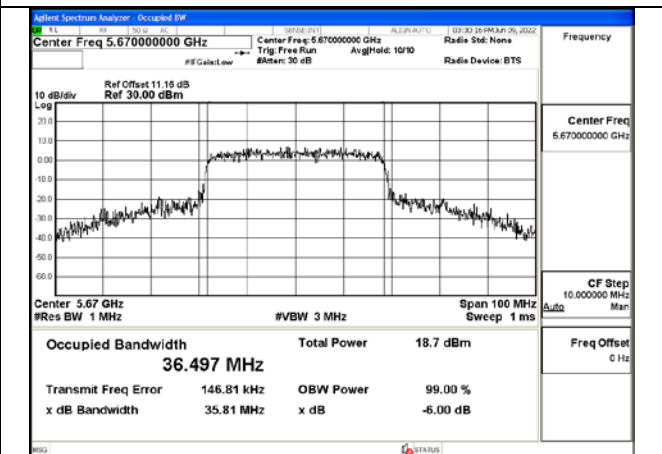
Test Mode:802.11ac VHT40 5670MHz Chain0



Test Mode:802.11ac VHT40 5510MHz Chain1

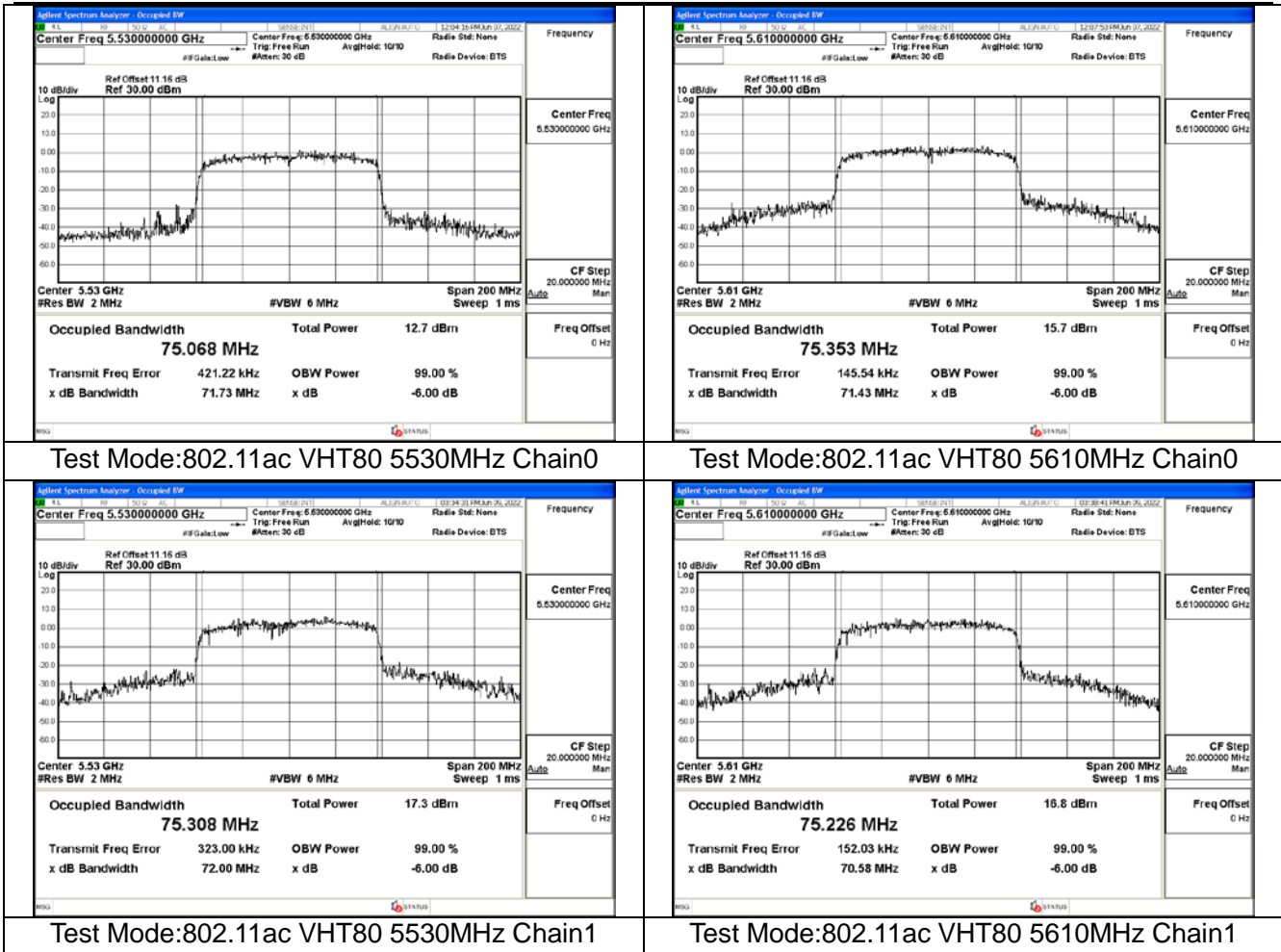


Test Mode:802.11ac VHT40 5590MHz Chain1



Test Mode:802.11ac VHT40 5670MHz Chain1

Test Mode: 802.11ac VHT80



## Transmitter Power Spectral Density

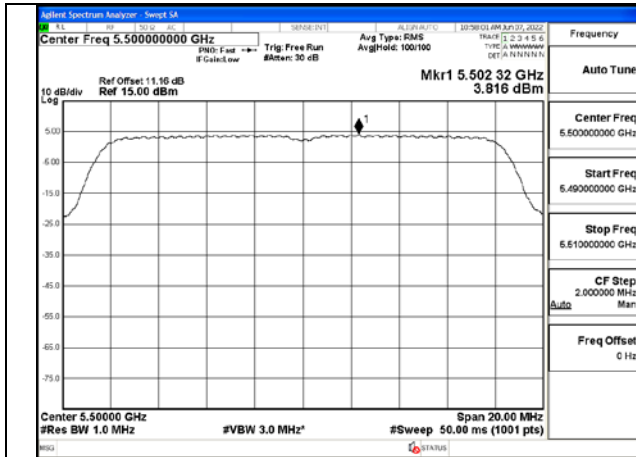
Offset 11.16dB = Attenuator + Temporary antenna connector loss + Cable loss

| Test Mode      | Antenna | 5500MHz               |                         | 5580MHz               |                         | 5700MHz               |                         |
|----------------|---------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
|                |         | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) |
| 802.11a        | Chain0  | 0.61                  | 3.816                   | 0.61                  | 4.684                   | 0.61                  | 4.040                   |
| 802.11a        | Chain1  | 0.61                  | 3.375                   | 0.61                  | 4.420                   | 0.61                  | 4.701                   |
| 802.11n HT20   | Chain0  | 0.66                  | 3.198                   | 0.66                  | 4.164                   | 0.66                  | 3.416                   |
| 802.11n HT20   | Chain1  | 0.66                  | 2.968                   | 0.66                  | 3.921                   | 0.66                  | 3.896                   |
| 802.11n HT20   | MIMO    | 0.66                  | 6.095                   | 0.66                  | 7.054                   | 0.66                  | 6.673                   |
| 802.11ac VHT20 | Chain0  | 0.62                  | 3.599                   | 0.62                  | 3.905                   | 0.62                  | 3.573                   |
| 802.11ac VHT20 | Chain1  | 0.62                  | 3.029                   | 0.62                  | 3.537                   | 0.62                  | 3.783                   |
| 802.11ac VHT20 | MIMO    | 0.62                  | 6.334                   | 0.62                  | 6.735                   | 0.62                  | 6.690                   |

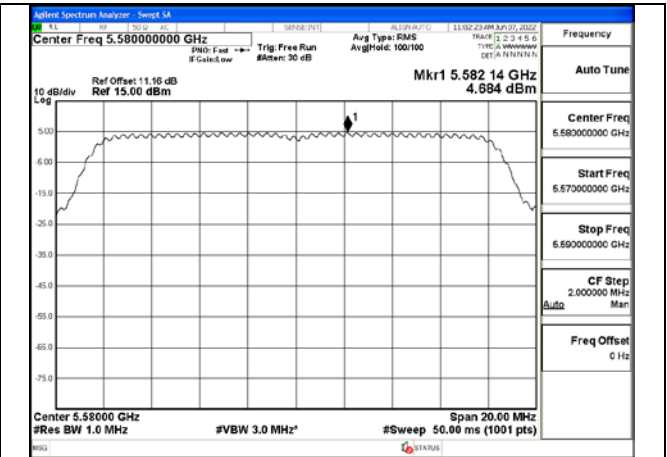
| Test Mode      | Antenna | 5510MHz               |                         | 5590MHz               |                         | 5670MHz               |                         |
|----------------|---------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
|                |         | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) |
| 802.11n HT40   | Chain0  | 1.01                  | -2.172                  | 1.01                  | -2.389                  | 1.01                  | -3.002                  |
| 802.11n HT40   | Chain1  | 1.01                  | -0.574                  | 1.01                  | -0.265                  | 1.01                  | 0.375                   |
| 802.11n HT40   | MIMO    | 1.01                  | 1.710                   | 1.01                  | 1.812                   | 1.01                  | 2.017                   |
| 802.11ac VHT40 | Chain0  | 1.00                  | -1.314                  | 1.00                  | -0.703                  | 1.00                  | -1.317                  |
| 802.11ac VHT40 | Chain1  | 1.00                  | 0.027                   | 1.00                  | 0.752                   | 1.00                  | 0.623                   |
| 802.11ac VHT40 | MIMO    | 1.00                  | 2.418                   | 1.00                  | 3.095                   | 1.00                  | 2.771                   |

| Test Mode      | Antenna | 5530MHz               |                         | ---                   |                         | 5610MHz               |                         |
|----------------|---------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
|                |         | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) |
| 802.11ac VHT80 | Chain0  | 1.49                  | -6.119                  | ---                   | ---                     | 1.49                  | -5.924                  |
| 802.11ac VHT80 | Chain1  | 1.49                  | -1.648                  | ---                   | ---                     | 1.49                  | -1.424                  |
| 802.11ac VHT80 | MIMO    | 1.49                  | -0.322                  | ---                   | ---                     | 1.49                  | -0.105                  |

Test Mode: 802.11a

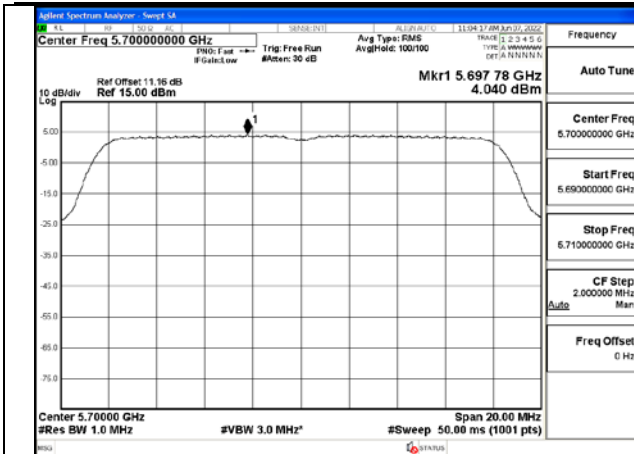


Test Mode:802.11a 5500MHz Chain0

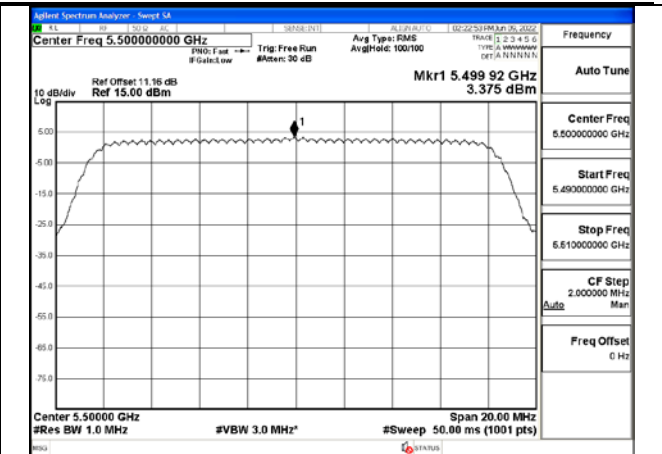


Test Mode:802.11a 5580MHz Chain0

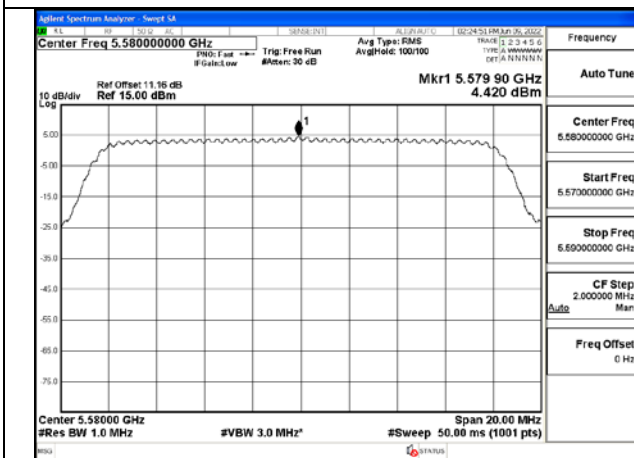




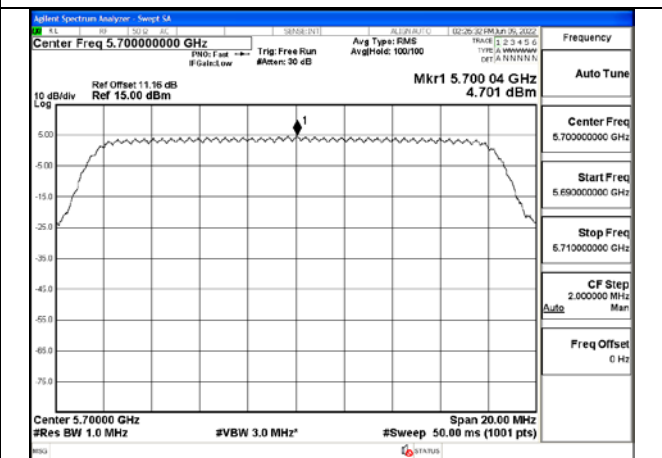
Test Mode:802.11a 5700MHz Chain0



Test Mode:802.11a 5500MHz Chain1

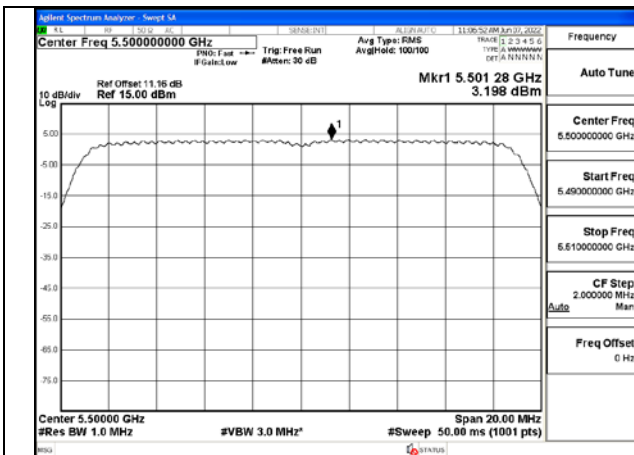


Test Mode:802.11a 5580MHz Chain1

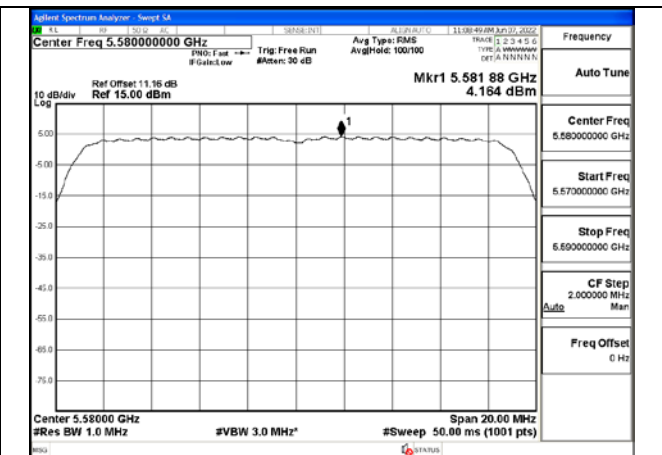


Test Mode:802.11a 5700MHz Chain1

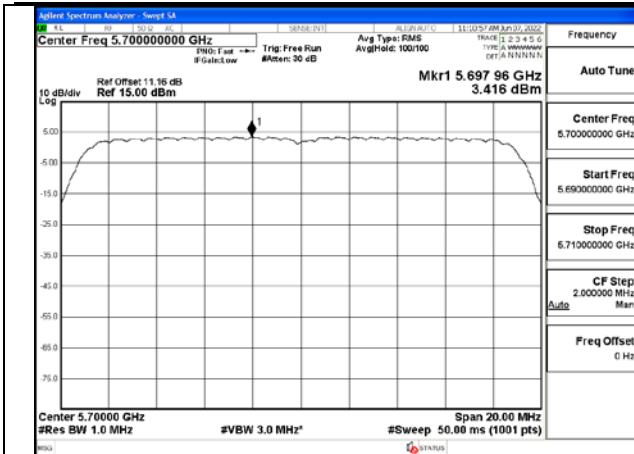
Test Mode: 802.11n HT20



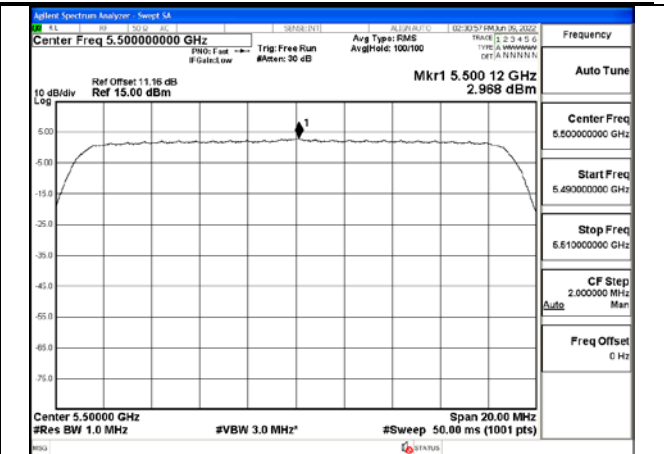
Test Mode:802.11n HT20 5500MHz Chain0



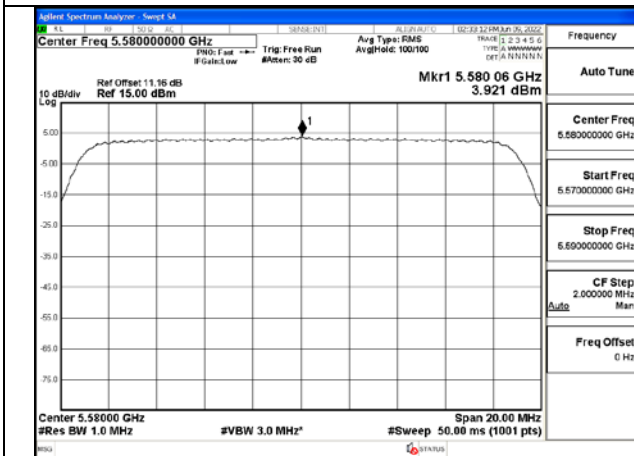
Test Mode:802.11n HT20 5580MHz Chain0



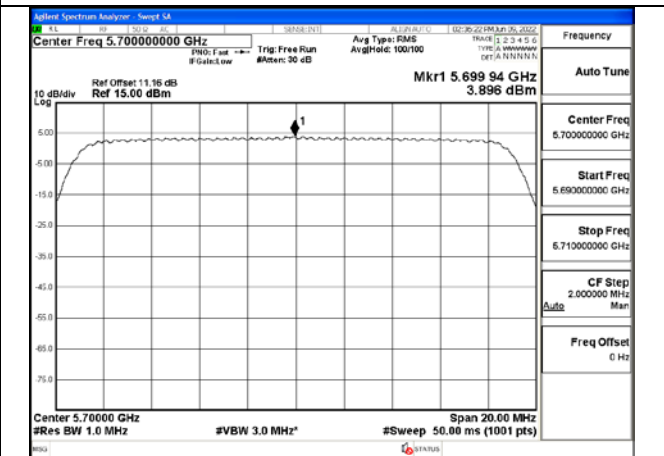
Test Mode:802.11n HT20 5700MHz Chain0



Test Mode:802.11n HT20 5500MHz Chain1

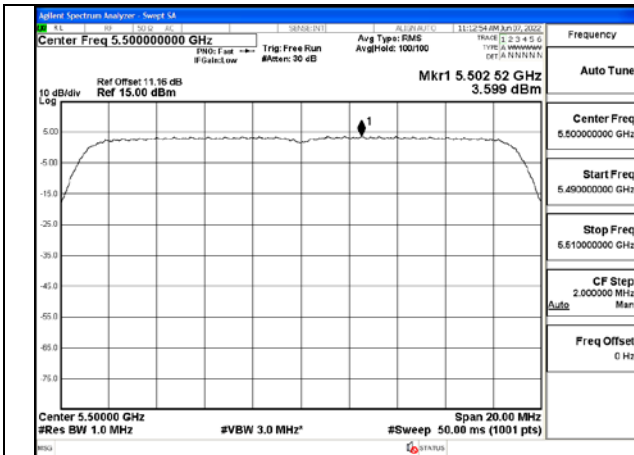


Test Mode:802.11n HT20 5580MHz Chain1

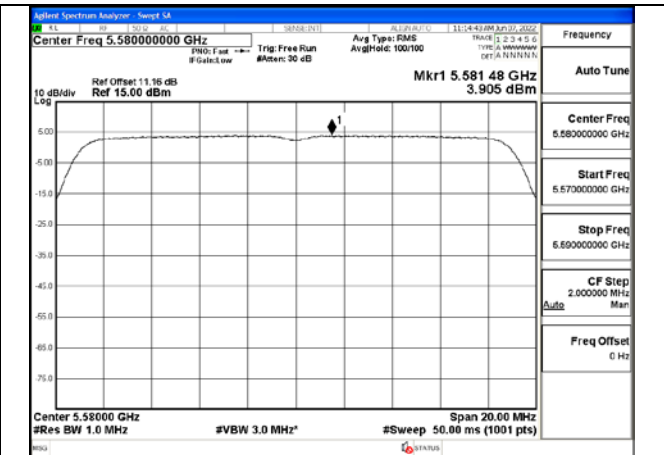


Test Mode:802.11n HT20 5700MHz Chain1

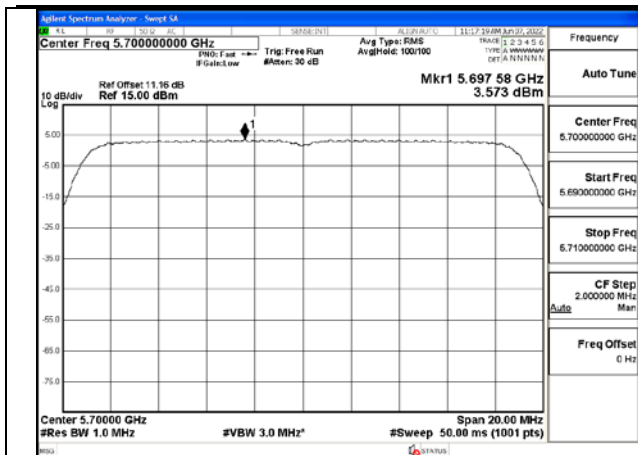
Test Mode: 802.11ac VHT20



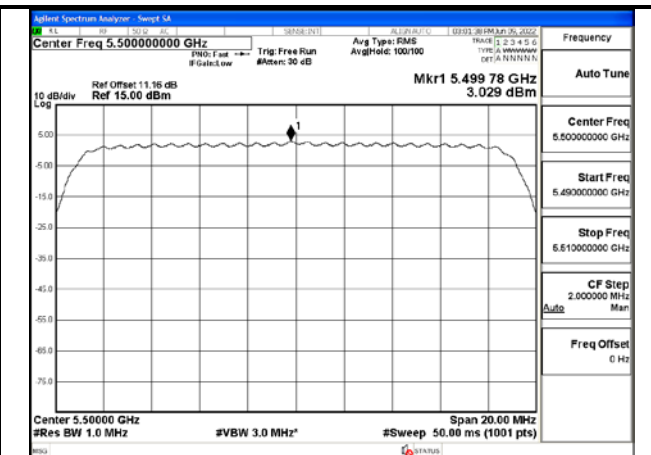
Test Mode:802.11ac VHT20 5500MHz Chain0



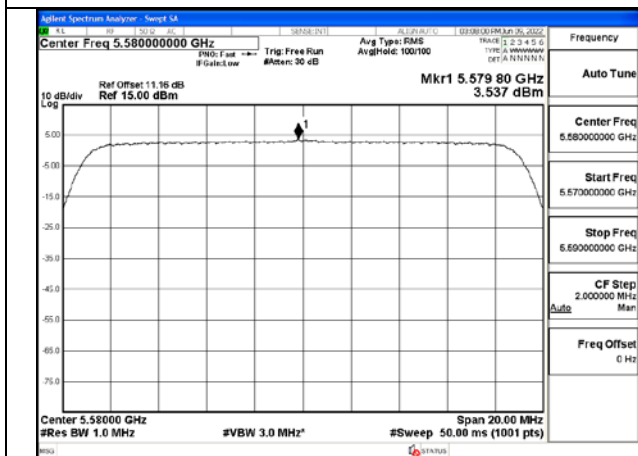
Test Mode:802.11ac VHT20 5580MHz Chain0



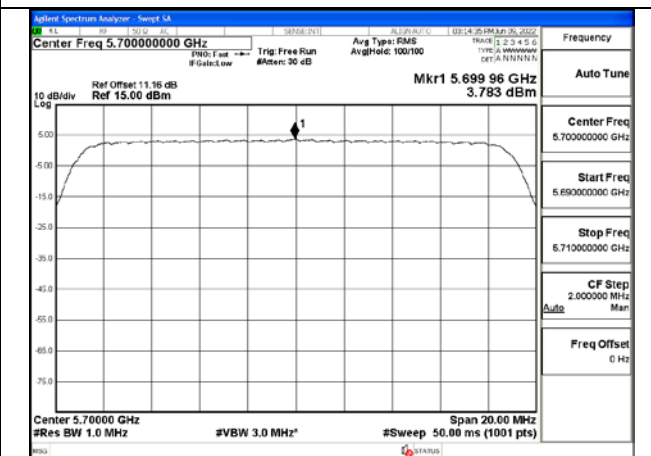
Test Mode:802.11ac VHT20 5700MHz Chain0



Test Mode:802.11ac VHT20 5500MHz Chain1

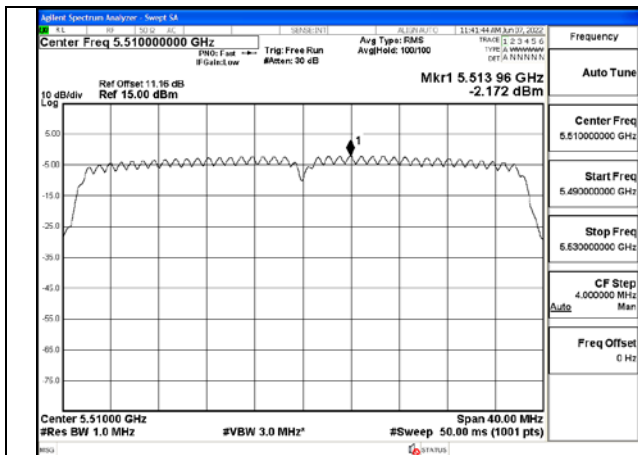


Test Mode:802.11ac VHT20 5580MHz Chain1

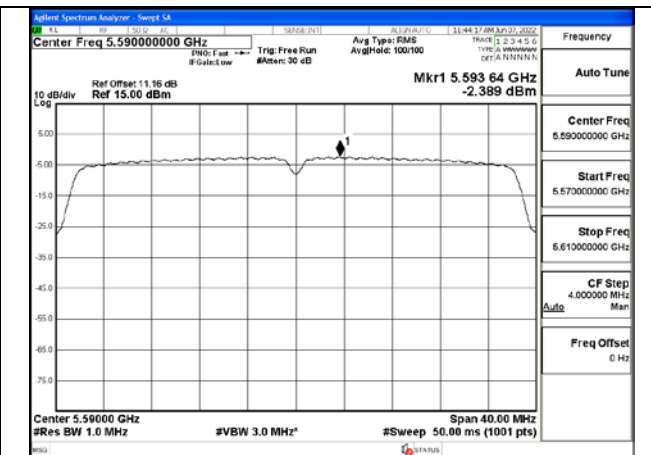


Test Mode:802.11ac VHT20 5700MHz Chain1

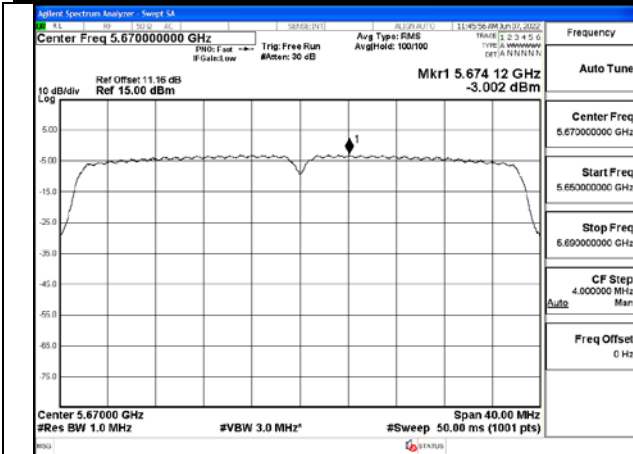
Test Mode: 802.11n HT40



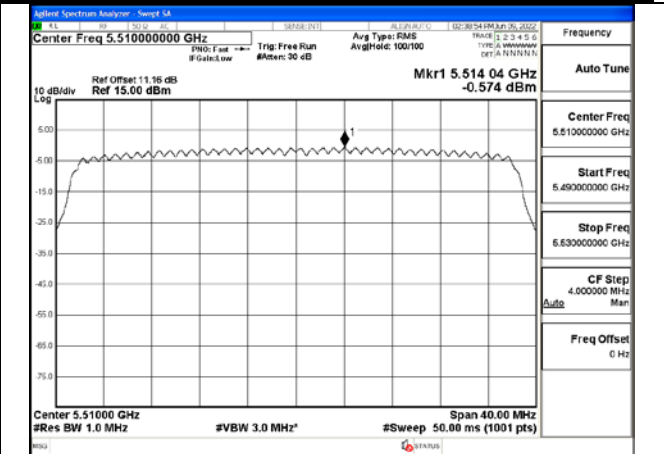
Test Mode:802.11n HT40 5510MHz Chain0



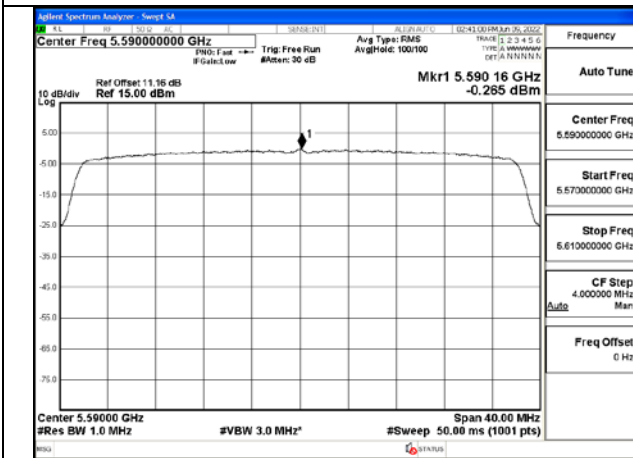
Test Mode:802.11n HT40 5590MHz Chain0



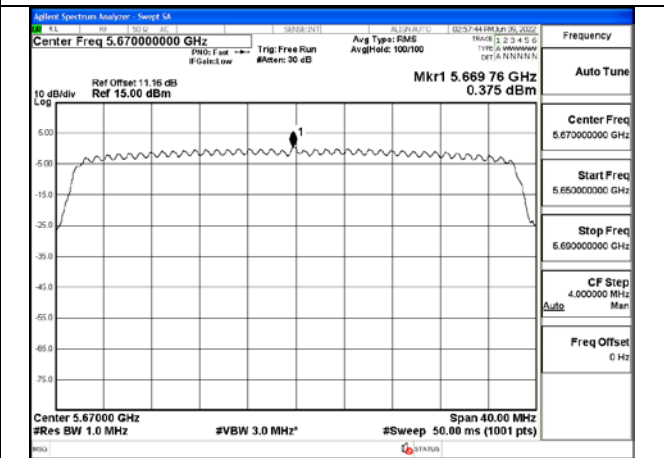
Test Mode:802.11n HT40 5670MHz Chain0



Test Mode:802.11n HT40 5510MHz Chain1

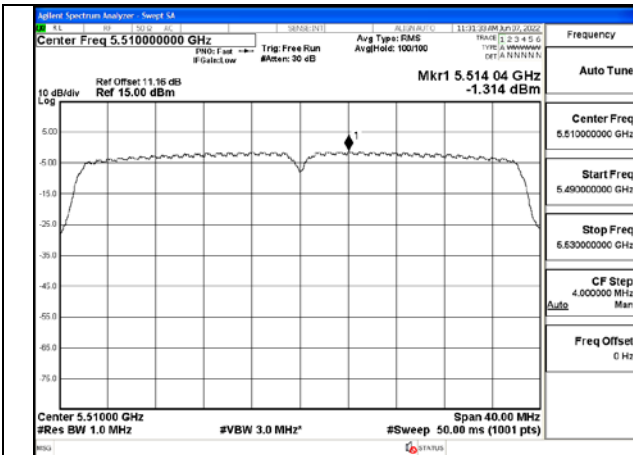


Test Mode:802.11n HT40 5590MHz Chain1

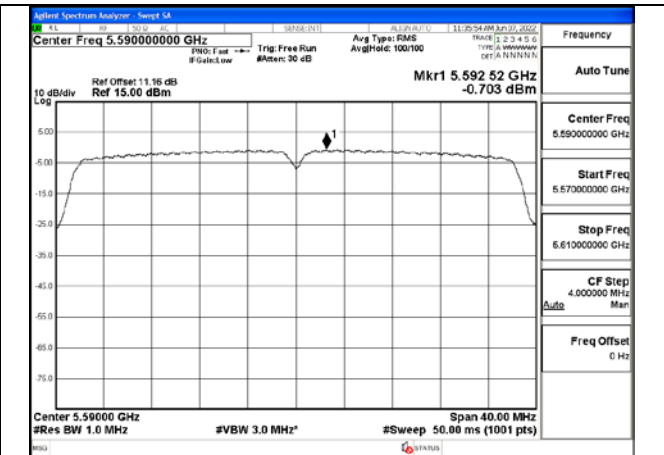


Test Mode:802.11n HT40 5670MHz Chain1

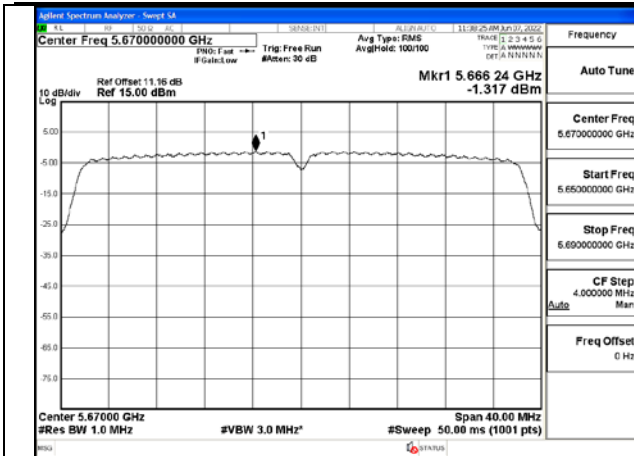
Test Mode: 802.11ac VHT40



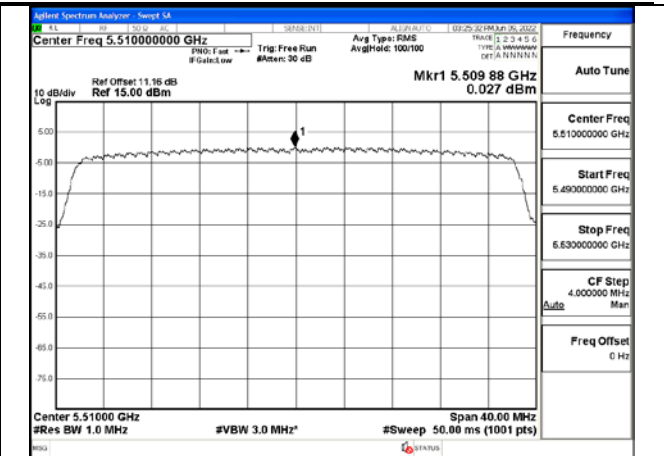
Test Mode:802.11ac VHT40 5510MHz Chain0



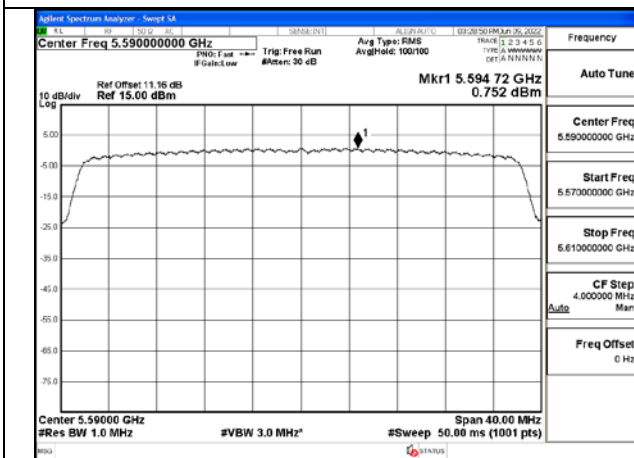
Test Mode:802.11ac VHT40 5590MHz Chain0



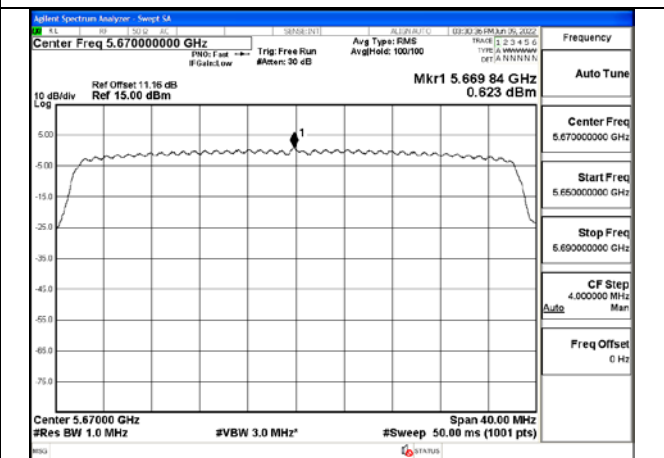
Test Mode:802.11ac VHT40 5670MHz Chain0



Test Mode:802.11ac VHT40 5510MHz Chain1

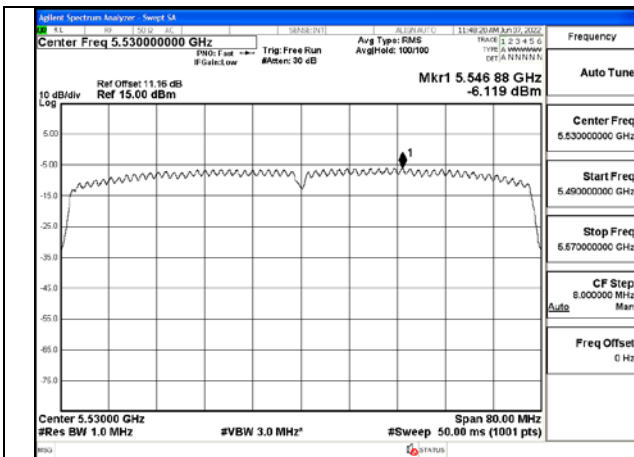


Test Mode:802.11ac VHT40 5590MHz Chain1

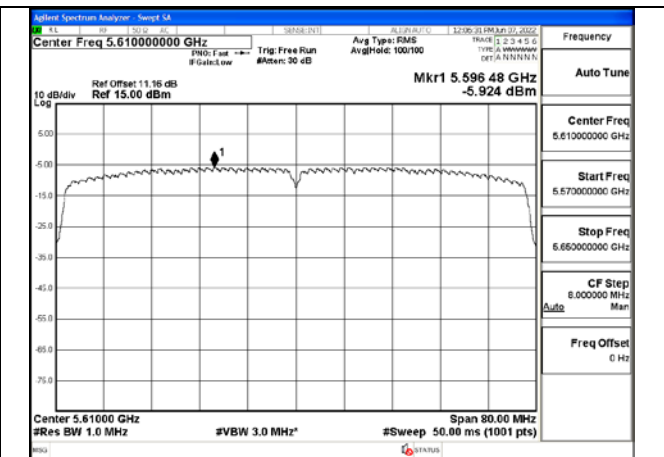


Test Mode:802.11ac VHT40 5670MHz Chain1

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5530MHz Chain0



Test Mode:802.11ac VHT80 5610MHz Chain0

