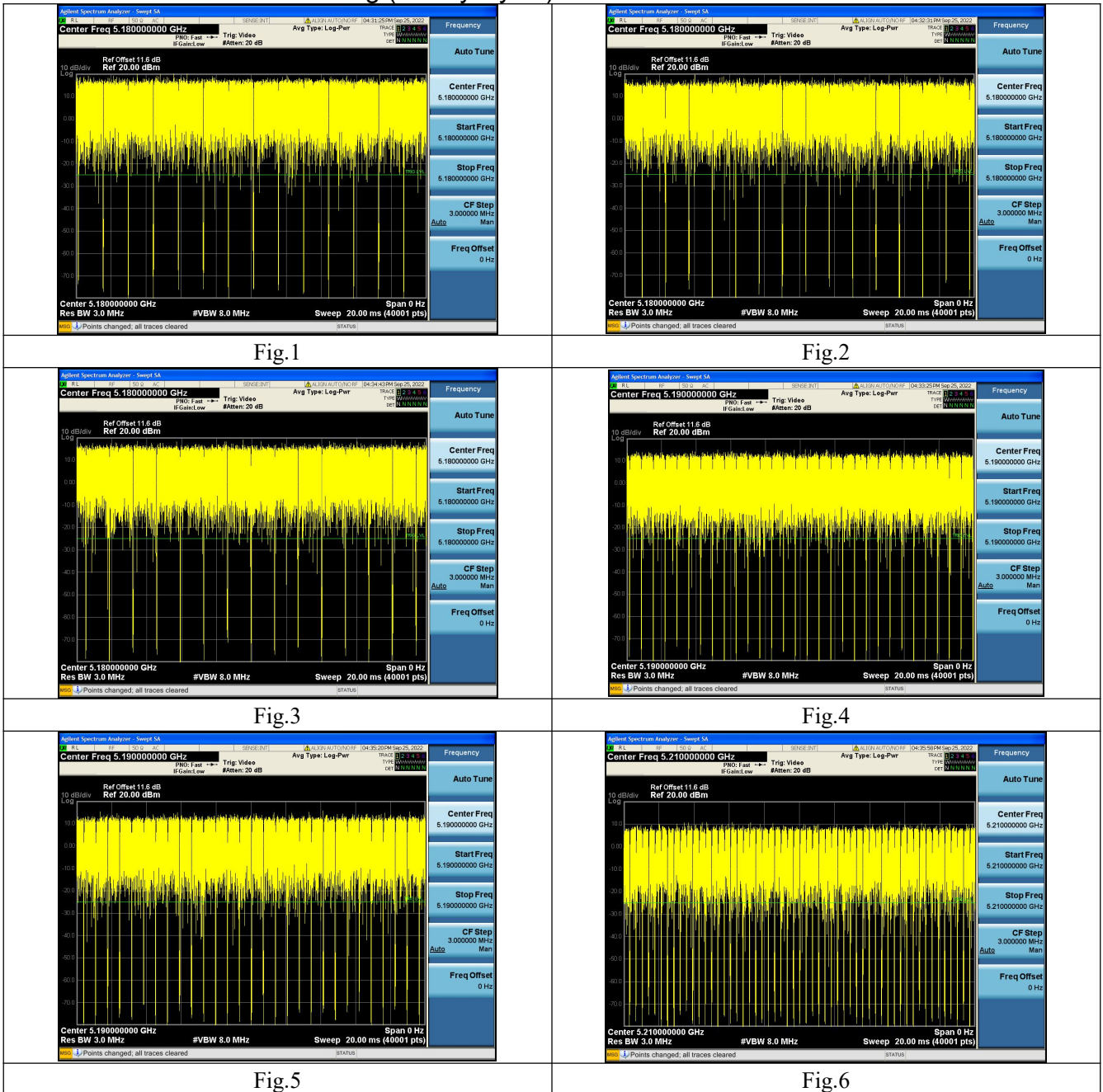


APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

| Test Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor(dB) | Plot |
|----------------|-----------------|----------------|-----------------------|-------|
| 802.11a | 5180 | 98.93% | 0 | Fig.1 |
| 802.11n HT20 | 5180 | 98.86% | 0 | Fig.2 |
| 802.11ac VHT20 | 5180 | 98.88% | 0 | Fig.3 |
| 802.11n HT40 | 5190 | 97.74% | 0.10 | Fig.4 |
| 802.11ac VHT40 | 5190 | 97.85% | 0.09 | Fig.5 |
| 802.11ac VHT80 | 5210 | 96.03% | 0.18 | Fig.6 |

Note: Correction Factor=10*log (1/Duty Cycle)



Output Power

| Mode | Tones/ RUIndex | Freq (MHz) | Antenna | Conducted average power output(dBm) | EIRP (dBm) |
|----------------|-------------------|---------------|---------|--|---------------|
| 802.11a | NA | 5180 | Chain0 | 10.59 | 9.39 |
| 802.11a | NA | 5220 | Chain0 | 10.26 | 9.06 |
| 802.11a | NA | 5240 | Chain0 | 10.23 | 9.03 |
| 802.11n HT20 | NA | 5180 | Chain0 | 10.40 | 9.20 |
| 802.11n HT20 | NA | 5220 | Chain0 | 9.60 | 8.40 |
| 802.11n HT20 | NA | 5240 | Chain0 | 9.68 | 8.48 |
| 802.11ac VHT20 | NA | 5180 | Chain0 | 10.18 | 8.98 |
| 802.11ac VHT20 | NA | 5220 | Chain0 | 9.77 | 8.57 |
| 802.11ac VHT20 | NA | 5240 | Chain0 | 10.15 | 8.95 |
| 802.11n HT40 | NA | 5190 | Chain0 | 10.58 | 9.38 |
| 802.11n HT40 | NA | 5230 | Chain0 | 9.61 | 8.41 |
| 802.11ac VHT40 | NA | 5190 | Chain0 | 10.10 | 8.90 |
| 802.11ac VHT40 | NA | 5230 | Chain0 | 9.53 | 8.33 |
| 802.11ac VHT80 | NA | 5210 | Chain0 | 9.71 | 8.51 |

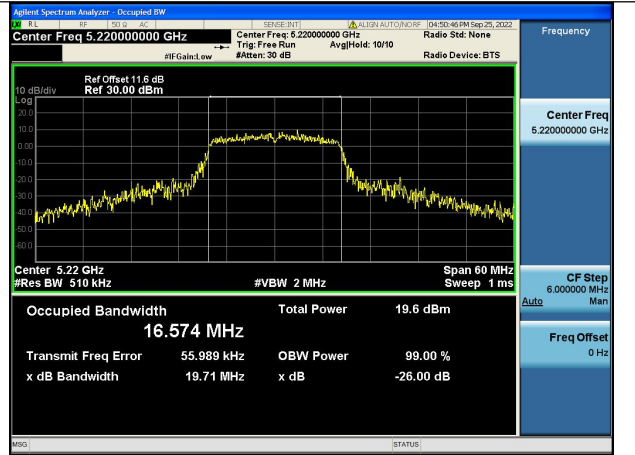
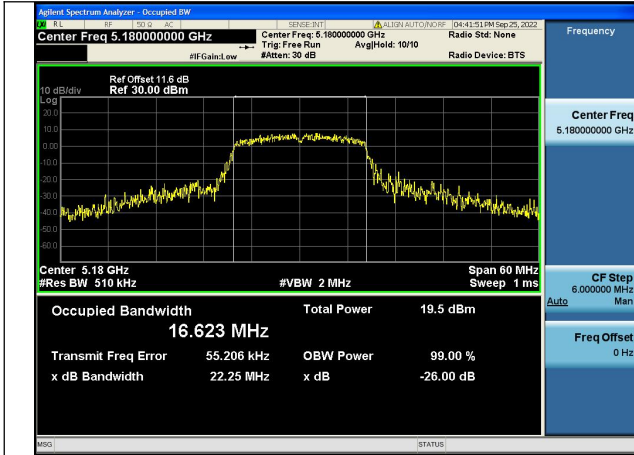
Emission Bandwidth

| Test Mode | Antenna | 26dB Bandwidth (MHz) | | |
|----------------|---------|----------------------|----------------|----------------|
| | | Channel No.554 | Channel No.562 | Channel No.566 |
| | | 5180MHz | 5220MHz | 5240MHz |
| 802.11a | Chain0 | 22.25 | 19.71 | 28.05 |
| 802.11n HT20 | Chain0 | 19.99 | 23.30 | 25.28 |
| 802.11ac VHT20 | Chain0 | 23.23 | 20.23 | 20.35 |

| Test Mode | Antenna | 26dB Bandwidth (MHz) | | |
|----------------|---------|----------------------|-----|----------------|
| | | Channel No.556 | --- | Channel No.564 |
| | | 5190MHz | --- | 5230MHz |
| 802.11n HT40 | Chain0 | 40.33 | --- | 41.22 |
| 802.11ac VHT40 | Chain0 | 40.96 | --- | 40.61 |

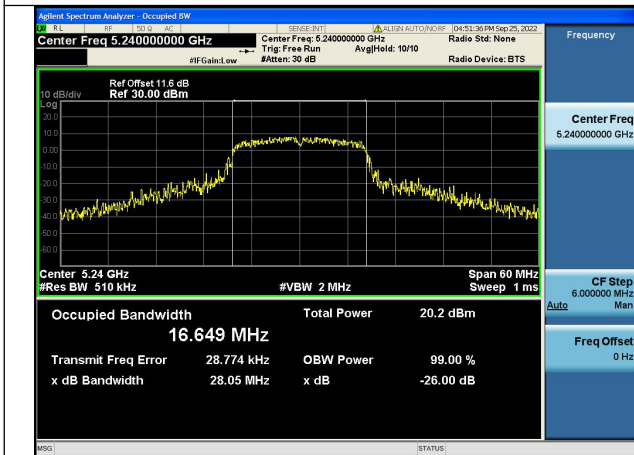
| Test Mode | Antenna | 26dB Bandwidth (MHz) | | |
|----------------|---------|----------------------|-----|-----|
| | | Channel No.560 | --- | --- |
| | | 5210MHz | --- | --- |
| 802.11ac VHT80 | Chain0 | 84.25 | --- | --- |

Test Mode: 802.11a



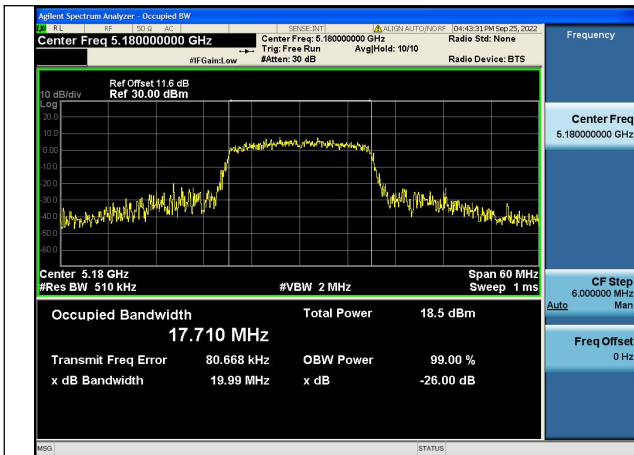
Test Mode:802.11a 5180MHz Chain0

Test Mode:802.11a 5220MHz Chain0



Test Mode:802.11a 5240MHz Chain0

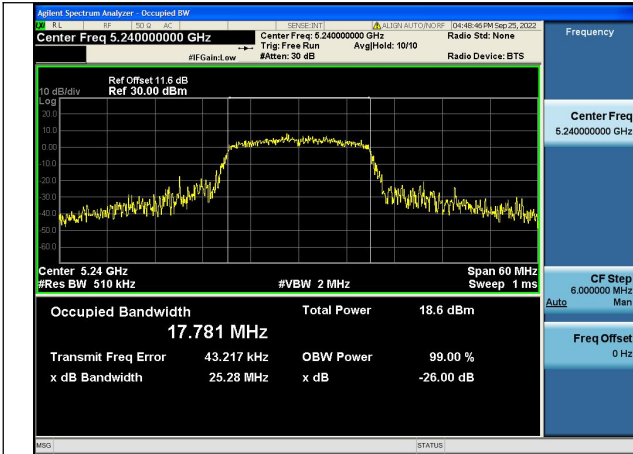
Test Mode: 802.11n HT20



Test Mode:802.11n HT20 5180MHz Chain0

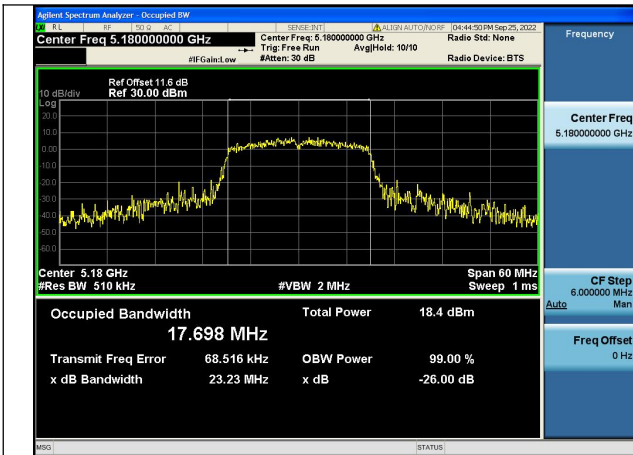


Test Mode:802.11n HT20 5220MHz Chain0

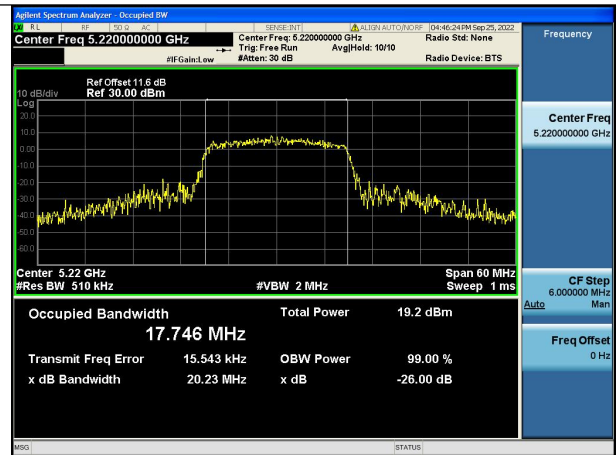


Test Mode:802.11n HT20 5240MHz Chain0

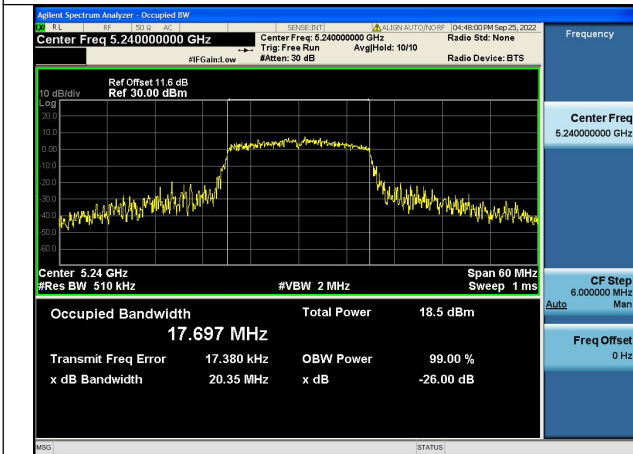
Test Mode: 802.11ac VHT20



Test Mode:802.11ac VHT20 5180MHz Chain0

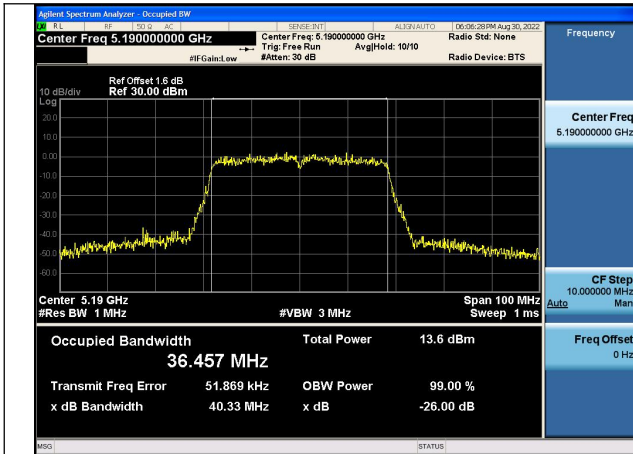


Test Mode:802.11ac VHT20 5220MHz Chain0

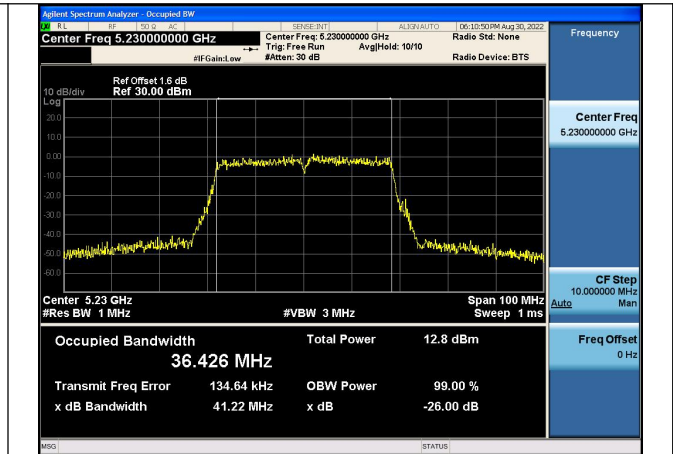


Test Mode:802.11ac VHT20 5240MHz Chain0

Test Mode: 802.11n HT40

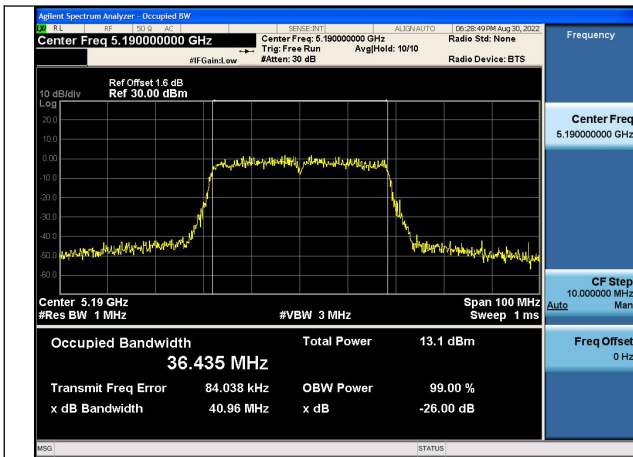


Test Mode:802.11n HT40 5190MHz Chain0

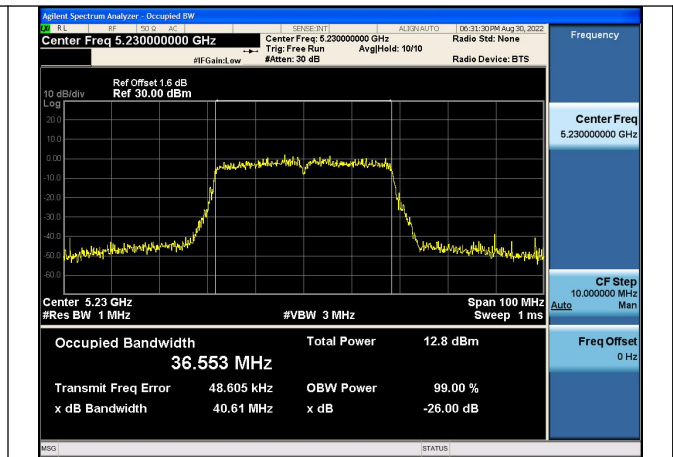


Test Mode:802.11n HT40 5230MHz Chain0

Test Mode: 802.11ac VHT40

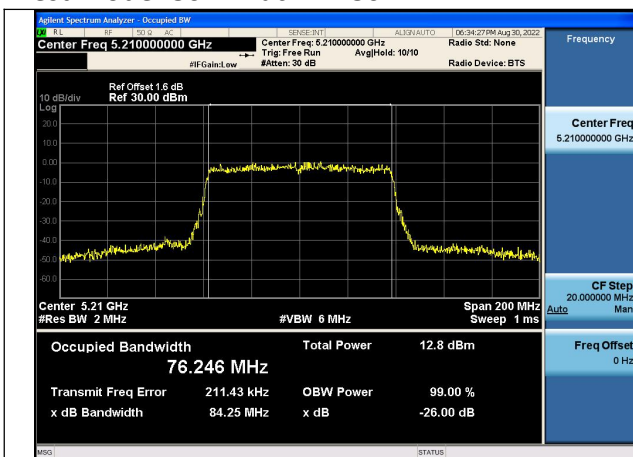


Test Mode:802.11ac VHT40 5190MHz Chain0



Test Mode:802.11ac VHT40 5230MHz Chain0

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5210MHz Chain0

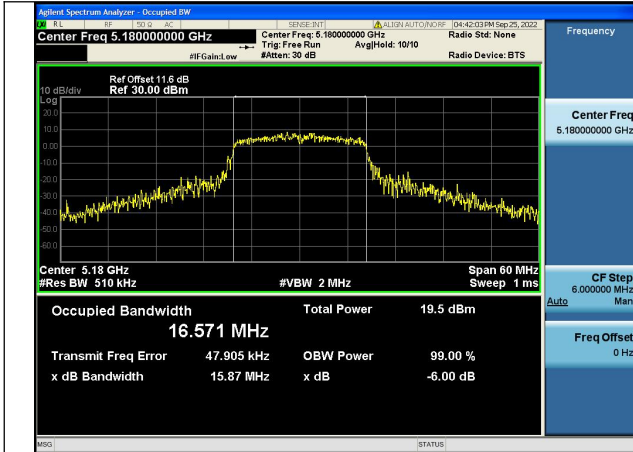
Occupied Bandwidth

| Test Mode | Antenna | Occupied Bandwidth (MHz) | | |
|----------------|---------|--------------------------|----------------|----------------|
| | | Channel No.554 | Channel No.562 | Channel No.566 |
| | | 5180MHz | 5220MHz | 5240MHz |
| 802.11a | Chain0 | 16.571 | 16.517 | 16.756 |
| 802.11n HT20 | Chain0 | 17.759 | 17.840 | 17.678 |
| 802.11ac VHT20 | Chain0 | 17.706 | 17.711 | 17.693 |

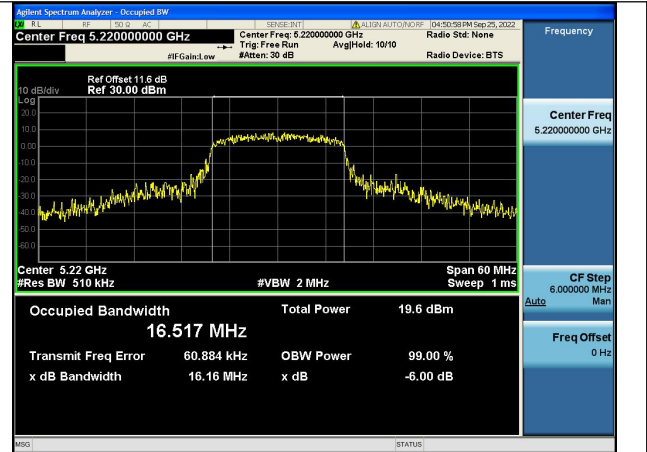
| Test Mode | Antenna | Occupied Bandwidth (MHz) | | |
|----------------|---------|--------------------------|-----|----------------|
| | | Channel No.556 | --- | Channel No.564 |
| | | 5190MHz | --- | 5230MHz |
| 802.11n HT40 | Chain0 | 36.646 | --- | 36.579 |
| 802.11ac VHT40 | Chain0 | 36.541 | --- | 36.569 |

| Test Mode | Antenna | Occupied Bandwidth (MHz) | | |
|----------------|---------|--------------------------|-----|-----|
| | | Channel No.560 | --- | --- |
| | | 5210MHz | --- | --- |
| 802.11ac VHT80 | Chain0 | 76.414 | --- | --- |

Test Mode: 802.11a



Test Mode:802.11a 5180MHz Chain0

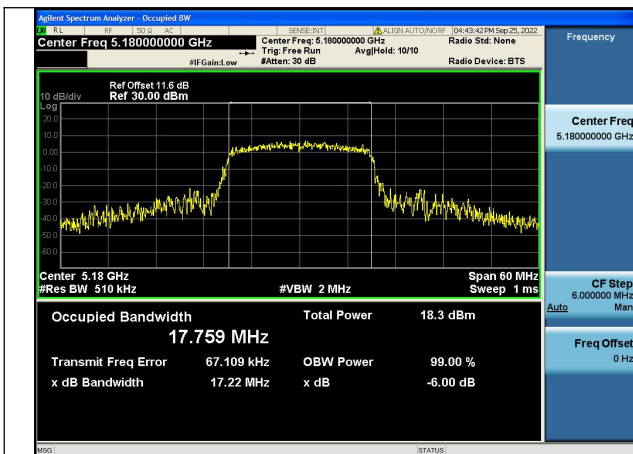


Test Mode:802.11a 5220MHz Chain0

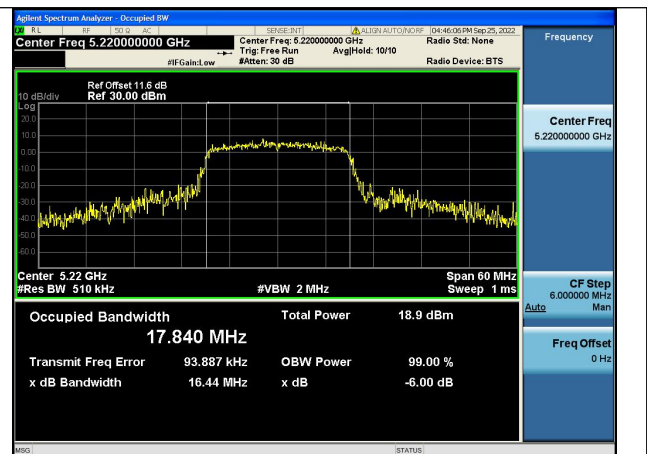


Test Mode:802.11a 5240MHz Chain0

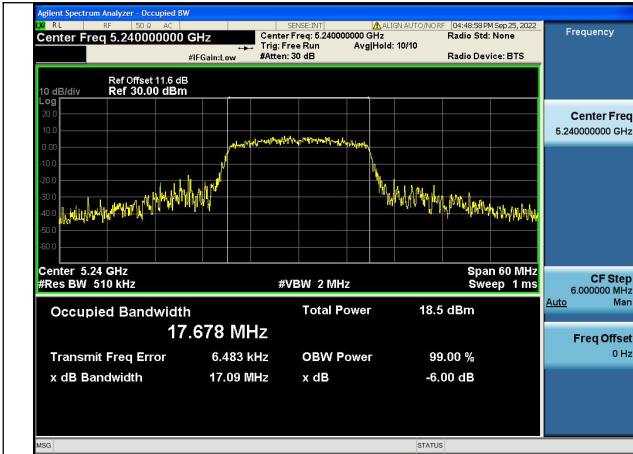
Test Mode: 802.11n HT20



Test Mode:802.11n HT20 5180MHz Chain0

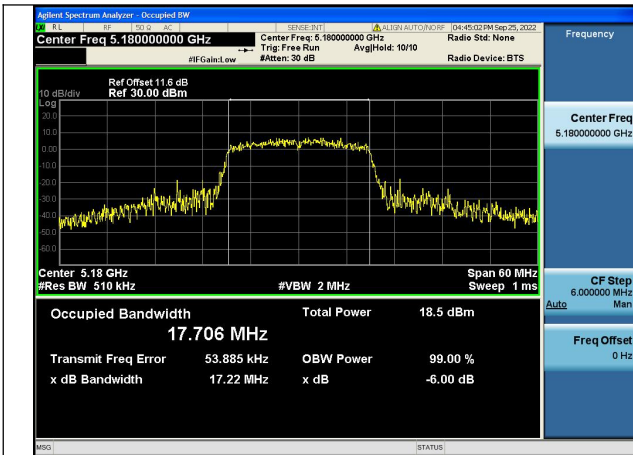


Test Mode:802.11n HT20 5220MHz Chain0

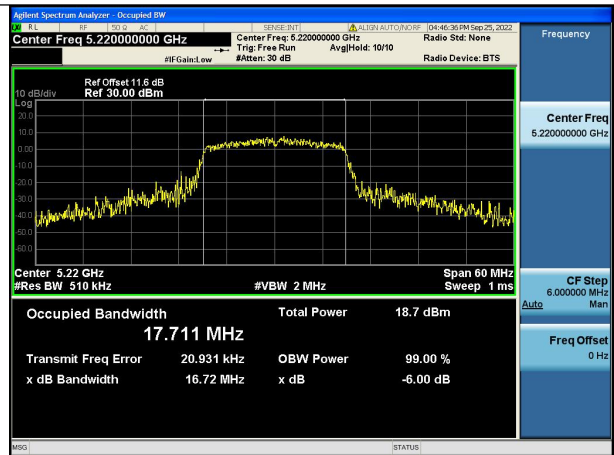


Test Mode:802.11n HT20 5240MHz Chain0

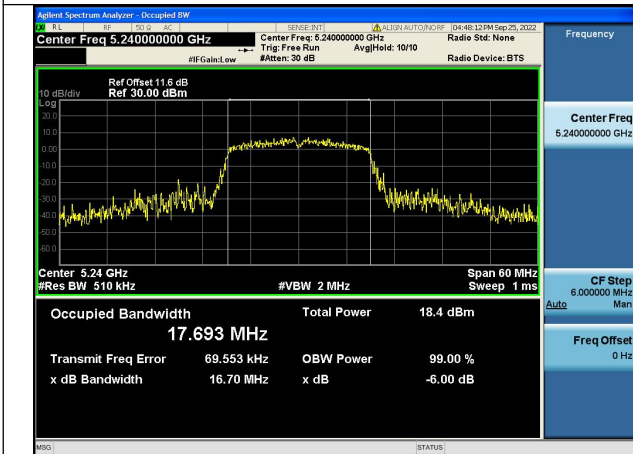
Test Mode: 802.11ac VHT20



Test Mode:802.11ac VHT20 5180MHz Chain0

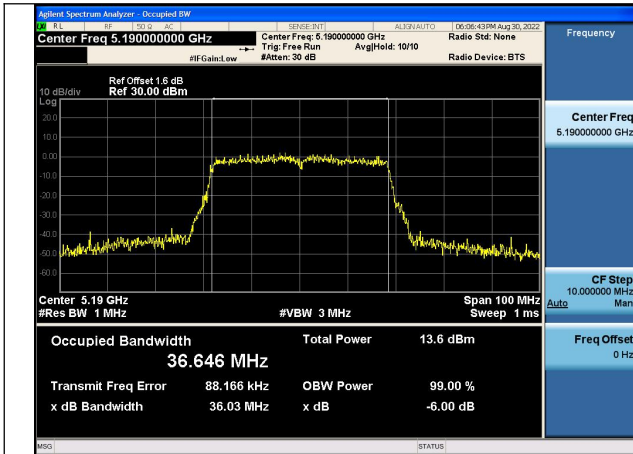


Test Mode:802.11ac VHT20 5220MHz Chain0

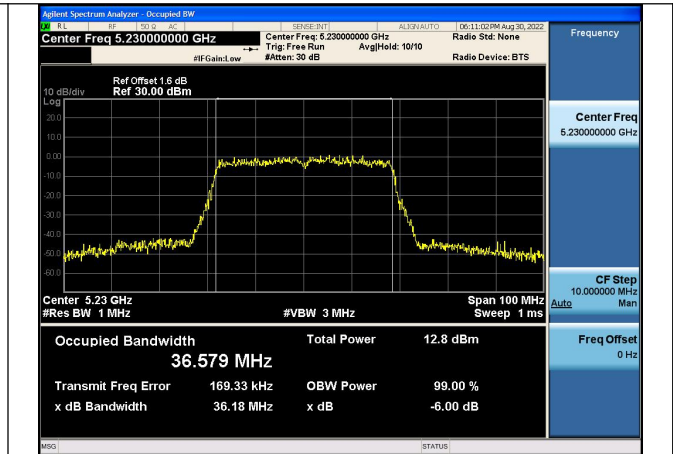


Test Mode:802.11ac VHT20 5240MHz Chain0

Test Mode: 802.11n HT40

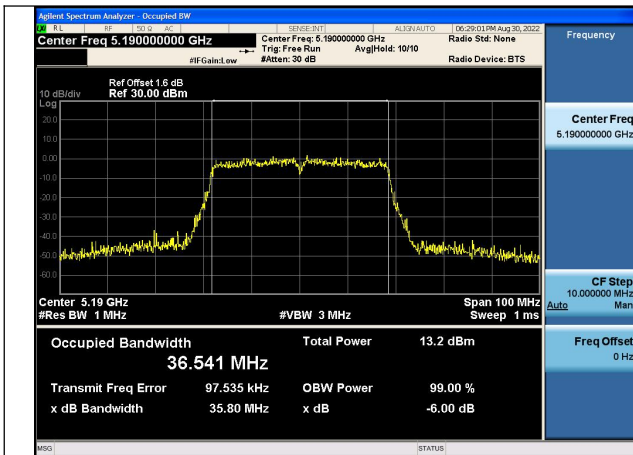


Test Mode:802.11n HT40 5190MHz Chain0

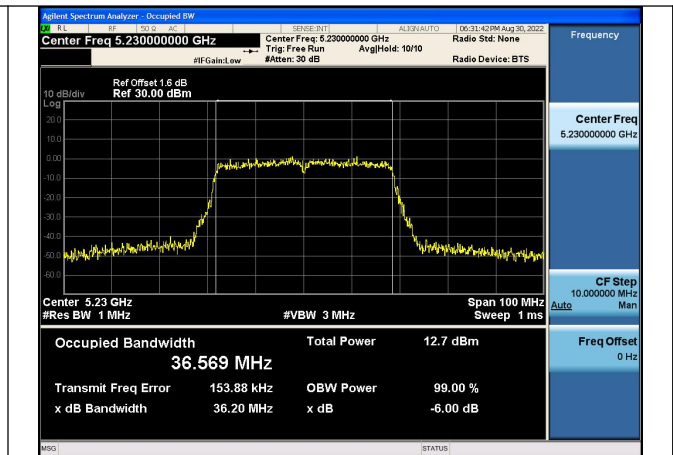


Test Mode:802.11n HT40 5230MHz Chain0

Test Mode: 802.11ac VHT40

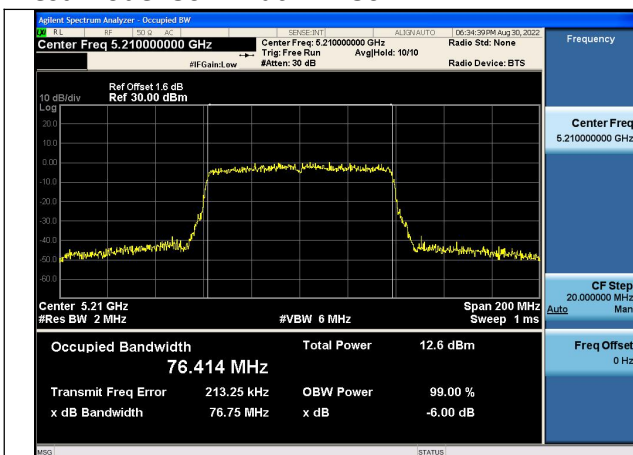


Test Mode:802.11ac VHT40 5190MHz Chain0



Test Mode:802.11ac VHT40 5230MHz Chain0

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5210MHz Chain0

Transmitter Power Spectral Density

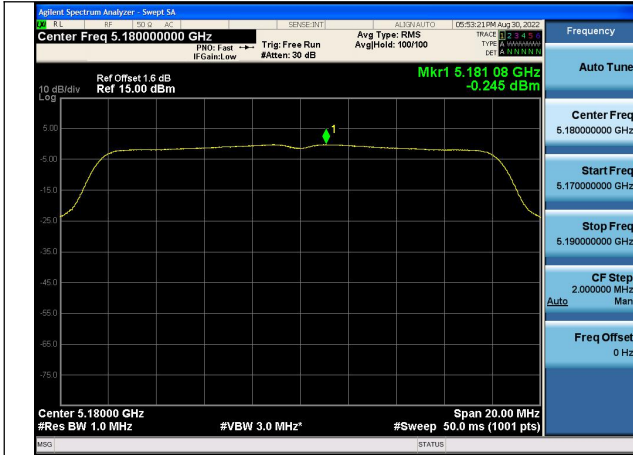
Offset 1.6dB = Attenuator + Temporary antenna connector loss + Cable loss

| Test Mode | Antenna | Tones | 5180MHz | | 5220MHz | | 5240MHz | |
|----------------|---------|-------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
| | | | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) |
| 802.11a | Chain0 | NA | 0 | -0.245 | 0 | -0.409 | 0 | -0.689 |
| 802.11n HT20 | Chain0 | NA | 0 | -0.674 | 0 | -1.157 | 0 | -1.723 |
| 802.11ac VHT20 | Chain0 | NA | 0 | -0.752 | 0 | -1.318 | 0 | -1.214 |

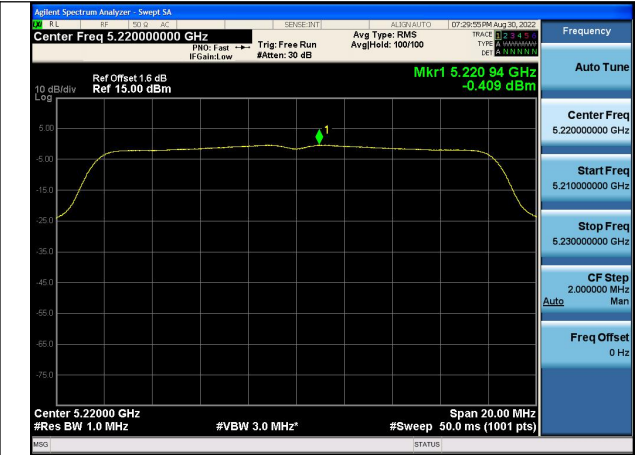
| Test Mode | Antenna | Tones | 5190MHz | | --- | | 5230MHz | |
|----------------|---------|-------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
| | | | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) | Correction Factor(dB) | Power Density (dBm/MHz) |
| 802.11n HT40 | Chain0 | NA | 0.10 | -3.271 | --- | --- | 0.10 | -4.164 |
| 802.11ac VHT40 | Chain0 | NA | 0.09 | -3.811 | --- | --- | 0.09 | -4.315 |

| Test Mode | Antenna | Tones | 5210MHz | | --- | | --- | |
|----------------|---------|-------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
| | | | 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 | NA | 0.18 | -7.372 | --- | --- | --- | --- |

Test Mode: 802.11a



Test Mode:802.11a 5180MHz Chain0

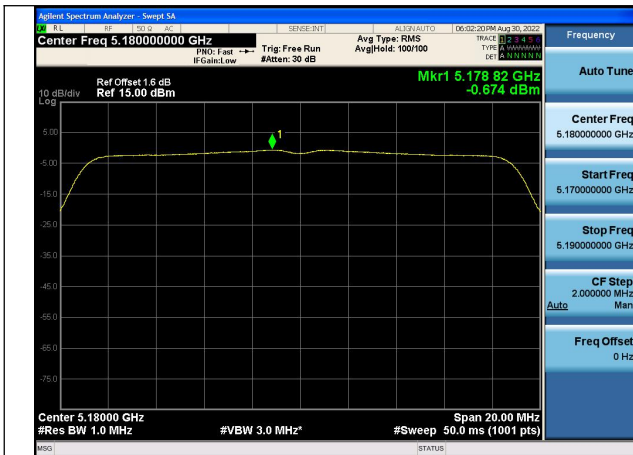


Test Mode:802.11a 5220MHz Chain0

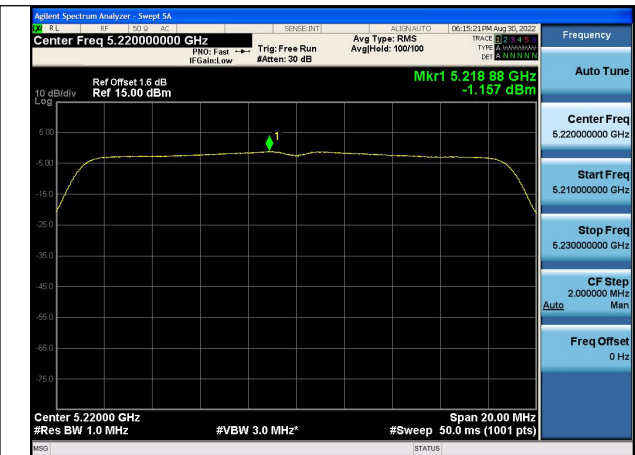


Test Mode:802.11a 5240MHz Chain0

Test Mode: 802.11n HT20



Test Mode:802.11n HT20 5180MHz Chain0



Test Mode:802.11n HT20 5220MHz Chain0