

## Appendix A:Test Results of 5GHz RLAN,part2

## Conducted Spurious &amp; Band Edge Emission

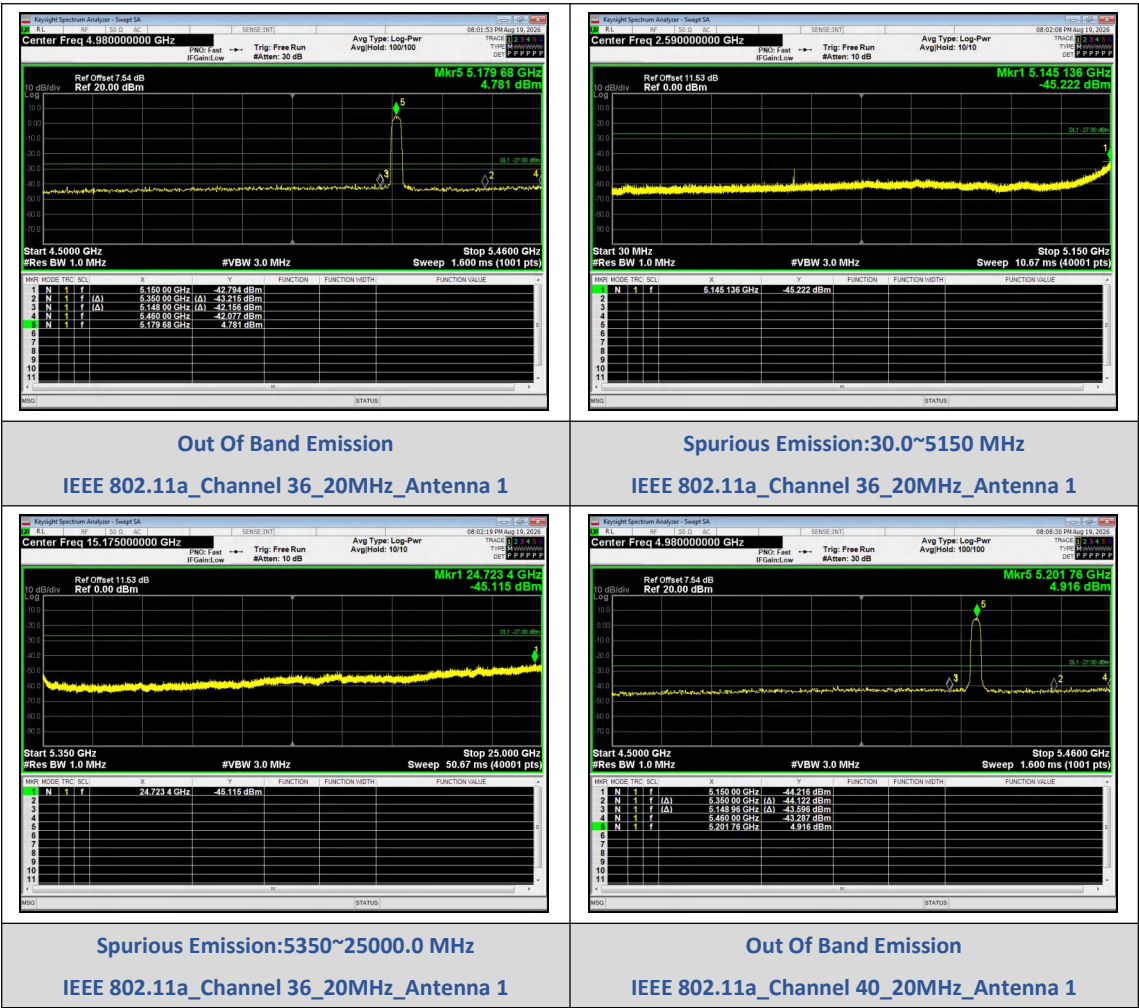
## Test Result

| Mode            | Channel | Ant.    | OOB<br>Emission<br>Frequency<br>(MHz) | OOB<br>Emission<br>Level<br>(dBm) | Limit<br>(dBm) | Over Limit<br>(dB) | Verdict |
|-----------------|---------|---------|---------------------------------------|-----------------------------------|----------------|--------------------|---------|
| IEEE 802.11a    | 36      | 1       | 5145.14                               | -45.222                           | -27.00         | -18.220            | PASS    |
|                 |         |         | 5148.00                               | -42.156                           | -27.00         | -15.000            | PASS    |
|                 |         |         | 5150.00                               | -42.794                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 5350.00                               | -43.215                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 5460.00                               | -42.077                           | -27.00         | -15.000            | PASS    |
|                 |         |         | 24723.4                               | -45.115                           | -27.00         | -18.120            | PASS    |
|                 | 40      |         | 5119.41                               | -45.401                           | -27.00         | -18.400            | PASS    |
|                 |         |         | 5148.96                               | -43.596                           | -27.00         | -17.000            | PASS    |
|                 |         |         | 5150.00                               | -44.216                           | -27.00         | -17.000            | PASS    |
|                 |         |         | 5350.00                               | -44.122                           | -27.00         | -17.000            | PASS    |
|                 |         |         | 5460.00                               | -43.287                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 24806.9                               | -44.629                           | -27.00         | -17.630            | PASS    |
|                 | 48      |         | 5139.36                               | -42.347                           | -27.00         | -15.000            | PASS    |
|                 |         |         | 5147.70                               | -47.966                           | -27.00         | -20.970            | PASS    |
|                 |         |         | 5150.00                               | -42.827                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 5350.00                               | -43.177                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 5460.00                               | -43.050                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 24995.6                               | -44.867                           | -27.00         | -17.870            | PASS    |
| IEEE 802.11n_20 | 36      |         | 5148.46                               | -46.065                           | -27.00         | -19.060            | PASS    |
|                 |         |         | 5149.92                               | -43.292                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 5150.00                               | -43.292                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 5350.00                               | -42.762                           | -27.00         | -16.000            | PASS    |
|                 |         |         | 5460.00                               | -41.945                           | -27.00         | -15.000            | PASS    |
|                 |         |         | 24809.9                               | -45.055                           | -27.00         | -18.050            | PASS    |
|                 | 40      | 5145.14 | -47.434                               | -27.00                            | -20.430        | PASS               |         |
|                 |         | 5149.92 | -43.117                               | -27.00                            | -16.000        | PASS               |         |
|                 |         | 5150.00 | -43.118                               | -27.00                            | -16.000        | PASS               |         |
|                 |         | 5350.00 | -42.226                               | -27.00                            | -15.000        | PASS               |         |
|                 |         | 5442.72 | -41.888                               | -27.00                            | -15.000        | PASS               |         |
|                 |         | 24711.6 | -44.573                               | -27.00                            | -17.570        | PASS               |         |
|                 | 48      | 5148.85 | -48.651                               | -27.00                            | -21.650        | PASS               |         |
|                 |         | 5148.96 | -43.477                               | -27.00                            | -16.000        | PASS               |         |
|                 |         | 5150.00 | -43.706                               | -27.00                            | -17.000        | PASS               |         |

|                     |    |  |         |         |        |         |      |
|---------------------|----|--|---------|---------|--------|---------|------|
|                     |    |  | 5350.00 | -43.637 | -27.00 | -17.000 | PASS |
|                     |    |  | 5460.00 | -42.706 | -27.00 | -16.000 | PASS |
|                     |    |  | 24633.0 | -45.116 | -27.00 | -18.120 | PASS |
| IEEE<br>802.11n_40  | 38 |  | 5144.50 | -45.596 | -27.00 | -18.600 | PASS |
|                     |    |  | 5149.92 | -42.669 | -27.00 | -16.000 | PASS |
|                     |    |  | 5150.00 | -42.669 | -27.00 | -16.000 | PASS |
|                     |    |  | 5350.00 | -43.155 | -27.00 | -16.000 | PASS |
|                     |    |  | 5460.00 | -42.363 | -27.00 | -15.000 | PASS |
|                     |    |  | 24894.9 | -44.661 | -27.00 | -17.660 | PASS |
|                     |    |  | 5146.08 | -42.090 | -27.00 | -15.000 | PASS |
|                     | 46 |  | 5148.98 | -46.692 | -27.00 | -19.690 | PASS |
|                     |    |  | 5150.00 | -43.012 | -27.00 | -16.000 | PASS |
|                     |    |  | 5350.00 | -41.996 | -27.00 | -15.000 | PASS |
|                     |    |  | 5459.04 | -41.083 | -27.00 | -14.000 | PASS |
|                     |    |  | 24929.3 | -44.416 | -27.00 | -17.420 | PASS |
|                     |    |  | 5136.48 | -41.335 | -27.00 | -14.000 | PASS |
|                     |    |  | 5143.98 | -46.021 | -27.00 | -19.020 | PASS |
| IEEE<br>802.11ac_20 | 36 |  | 5150.00 | -42.260 | -27.00 | -15.000 | PASS |
|                     |    |  | 5350.00 | -44.693 | -27.00 | -18.000 | PASS |
|                     |    |  | 5460.00 | -41.751 | -27.00 | -15.000 | PASS |
|                     |    |  | 24983.8 | -45.362 | -27.00 | -18.360 | PASS |
|                     |    |  | 5136.30 | -45.718 | -27.00 | -18.720 | PASS |
|                     |    |  | 5149.92 | -43.808 | -27.00 | -17.000 | PASS |
|                     | 40 |  | 5150.00 | -43.808 | -27.00 | -17.000 | PASS |
|                     |    |  | 5350.00 | -42.833 | -27.00 | -16.000 | PASS |
|                     |    |  | 5459.04 | -42.267 | -27.00 | -15.000 | PASS |
|                     |    |  | 24656.1 | -44.197 | -27.00 | -17.200 | PASS |
|                     |    |  | 5130.16 | -46.902 | -27.00 | -19.900 | PASS |
|                     |    |  | 5148.96 | -42.920 | -27.00 | -16.000 | PASS |
|                     |    |  | 5150.00 | -43.888 | -27.00 | -17.000 | PASS |
|                     |    |  | 5350.00 | -43.468 | -27.00 | -16.000 | PASS |
|                     |    |  | 5460.00 | -42.134 | -27.00 | -15.000 | PASS |
|                     |    |  | 24986.7 | -44.401 | -27.00 | -17.400 | PASS |
| IEEE<br>802.11ac_40 | 38 |  | 5148.85 | -46.359 | -27.00 | -19.360 | PASS |
|                     |    |  | 5149.92 | -43.633 | -27.00 | -17.000 | PASS |
|                     |    |  | 5150.00 | -43.634 | -27.00 | -17.000 | PASS |
|                     |    |  | 5350.00 | -44.718 | -27.00 | -18.000 | PASS |
|                     |    |  | 5460.00 | -42.639 | -27.00 | -16.000 | PASS |
|                     |    |  | 24833.5 | -44.957 | -27.00 | -17.960 | PASS |
|                     | 46 |  | 5146.80 | -47.784 | -27.00 | -20.780 | PASS |
|                     |    |  | 5149.92 | -43.911 | -27.00 | -17.000 | PASS |
|                     |    |  | 5150.00 | -43.911 | -27.00 | -17.000 | PASS |
|                     |    |  | 5350.00 | -43.466 | -27.00 | -16.000 | PASS |

|                                                            |    |  |         |         |        |         |      |
|------------------------------------------------------------|----|--|---------|---------|--------|---------|------|
| IEEE<br>802.11ac_80                                        | 42 |  | 5460.00 | -41.949 | -27.00 | -15.000 | PASS |
|                                                            |    |  | 24822.2 | -44.006 | -27.00 | -17.010 | PASS |
|                                                            |    |  | 5146.08 | -41.626 | -27.00 | -15.000 | PASS |
|                                                            |    |  | 5150.00 | -41.992 | -27.00 | -15.000 | PASS |
|                                                            |    |  | 5150.00 | -41.340 | -27.00 | -14.340 | PASS |
|                                                            |    |  | 5350.00 | -43.947 | -27.00 | -17.000 | PASS |
|                                                            |    |  | 5460.00 | -42.574 | -27.00 | -16.000 | PASS |
|                                                            |    |  | 24712.6 | -44.511 | -27.00 | -17.510 | PASS |
| Note: input compensation coefficient (dB)= Cable Loss (dB) |    |  |         |         |        |         |      |

Test Graphs

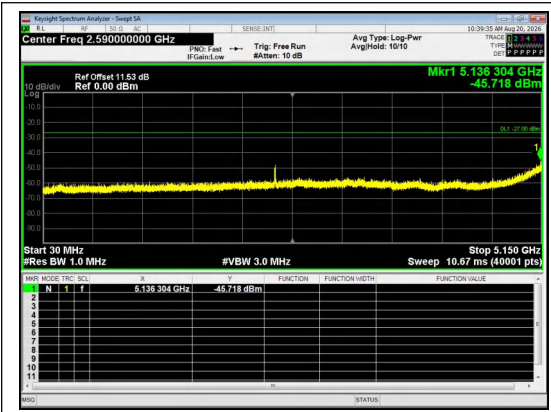






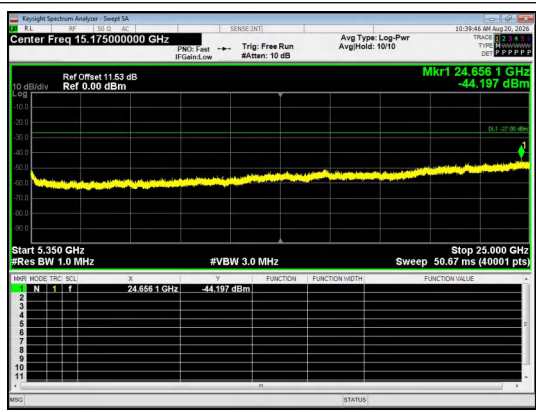






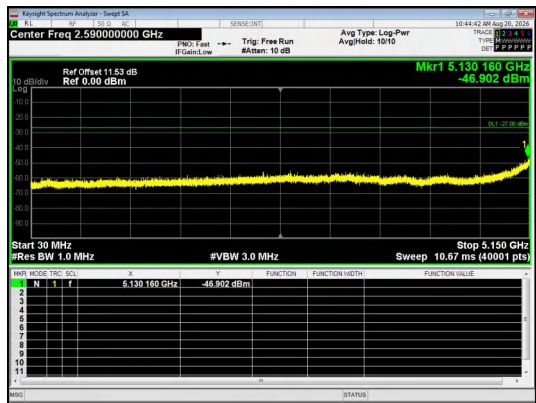
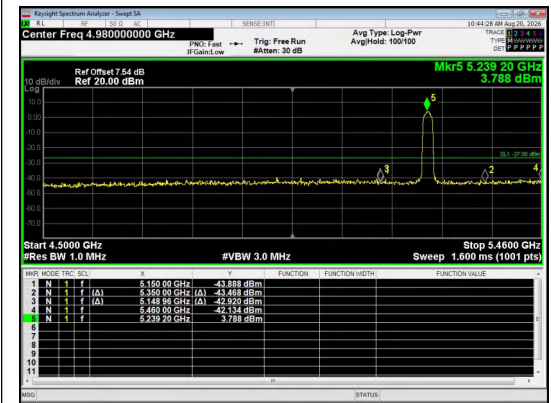
Spurious Emission:30.0~5150 MHz

IEEE 802.11ac\_Channel 40\_20MHz\_Antenna 1



Spurious Emission:5350~25000.0 MHz

IEEE 802.11ac\_Channel 40\_20MHz\_Antenna 1

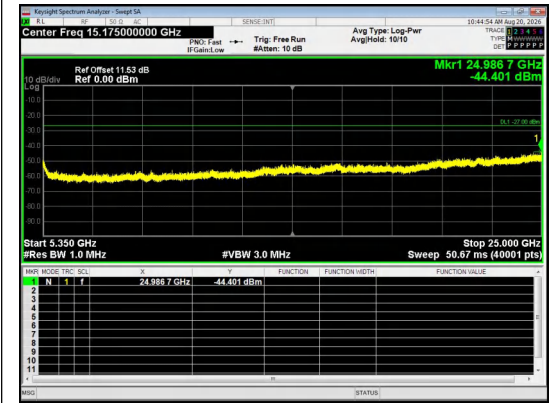


Out Of Band Emission

IEEE 802.11ac\_Channel 48\_20MHz\_Antenna 1

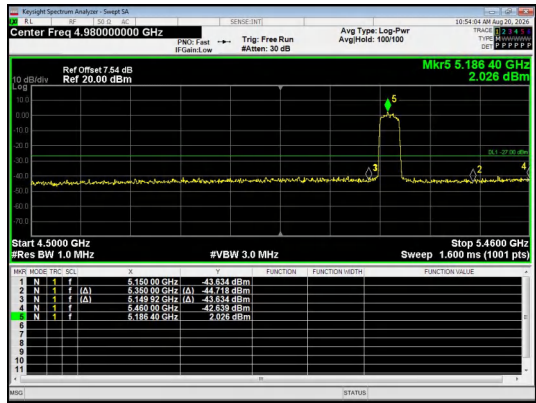
Spurious Emission:30.0~5150 MHz

IEEE 802.11ac\_Channel 48\_20MHz\_Antenna 1



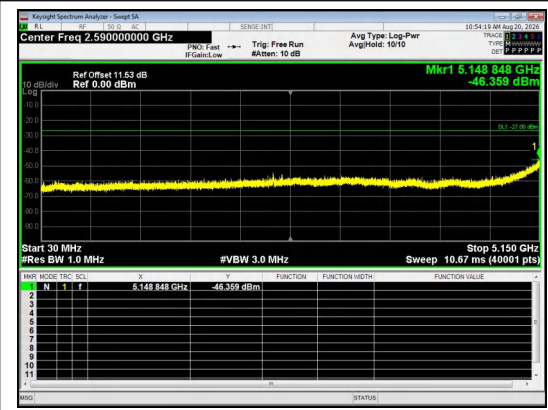
Spurious Emission:5350~25000.0 MHz

IEEE 802.11ac\_Channel 48\_20MHz\_Antenna 1



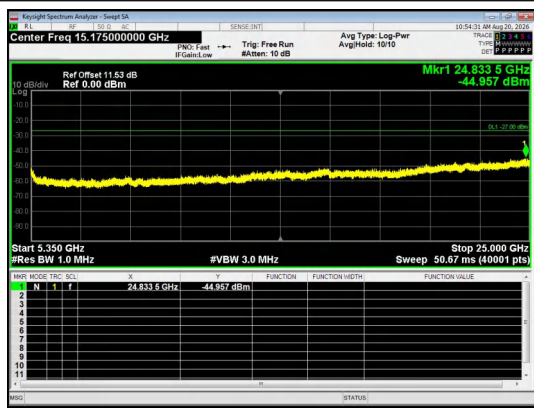
Out Of Band Emission

IEEE 802.11ac\_Channel 38\_40MHz\_Antenna 1



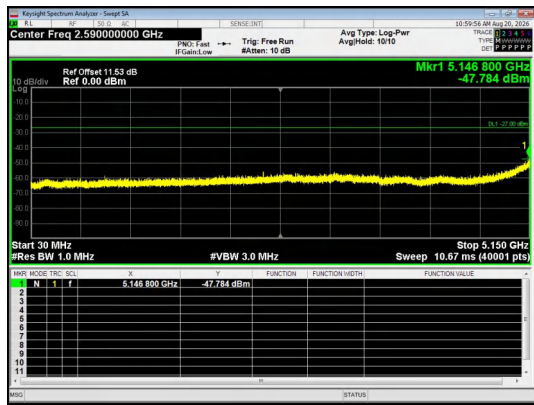
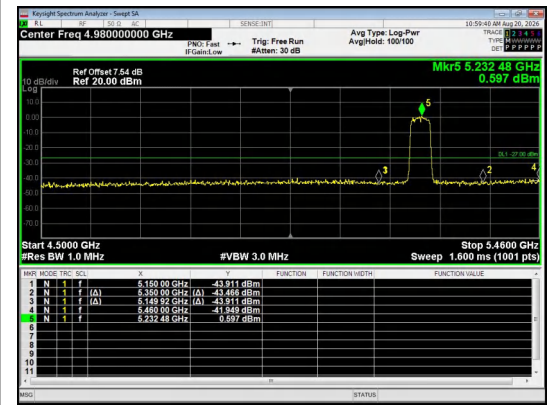
Spurious Emission:30.0~5150 MHz

IEEE 802.11ac\_Channel 38\_40MHz\_Antenna 1



Spurious Emission:5350~25000.0 MHz

IEEE 802.11ac\_Channel 38\_40MHz\_Antenna 1

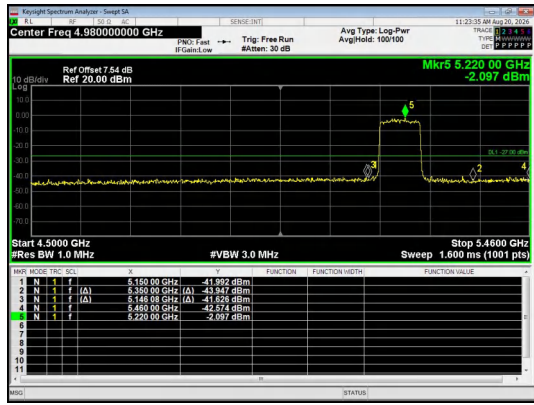
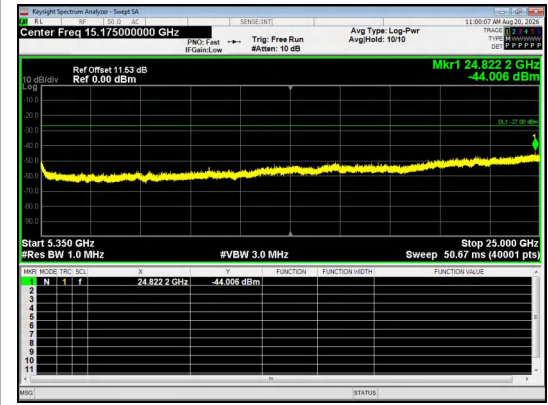


Out Of Band Emission

IEEE 802.11ac\_Channel 46\_40MHz\_Antenna 1

Spurious Emission:30.0~5150 MHz

IEEE 802.11ac\_Channel 46\_40MHz\_Antenna 1

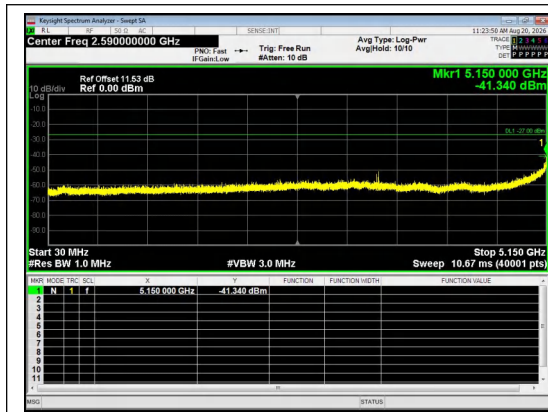


Spurious Emission:5350~25000.0 MHz

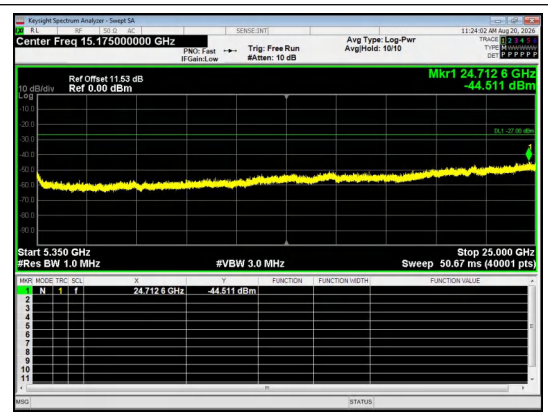
IEEE 802.11ac\_Channel 46\_40MHz\_Antenna 1

Out Of Band Emission

IEEE 802.11ac\_Channel 42\_80MHz\_Antenna 1



Spurious Emission:30.0~5150 MHz



Spurious Emission:5350~25000.0 MHz