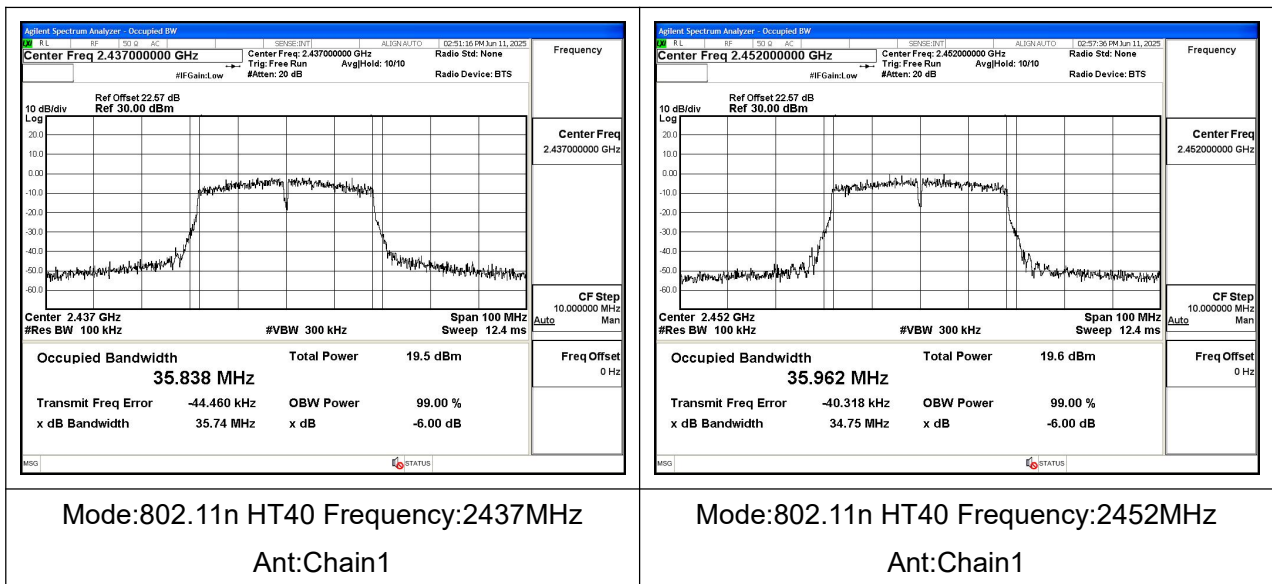




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Test Report No.: PSU-NQN2506100110RF02





## OCCUPIED CHANNEL BANDWIDTH

### TEST RESULT

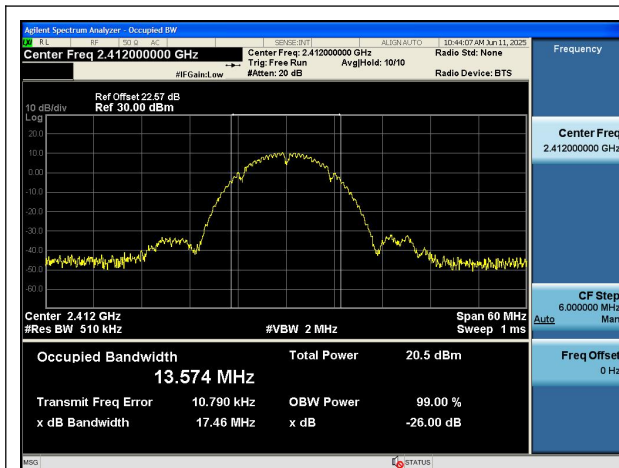
| Test Mode    | Antenna | 99% bandwidth (MHz) |              |               |
|--------------|---------|---------------------|--------------|---------------|
|              |         | Channel No.1        | Channel No.6 | Channel No.11 |
|              |         | 2412MHz             | 2437MHz      | 2462MHz       |
| 802.11b      | Chain0  | 13.574              | 13.421       | 13.396        |
| 802.11b      | Chain1  | 13.398              | 13.404       | 13.388        |
| 802.11g      | Chain0  | 16.706              | 16.571       | 16.574        |
| 802.11g      | Chain1  | 16.578              | 16.592       | 16.539        |
| 802.11n HT20 | Chain0  | 17.769              | 17.627       | 17.654        |
| 802.11n HT20 | Chain1  | 17.599              | 17.764       | 17.671        |

| Test Mode    | Antenna | 99% bandwidth (MHz) |              |              |
|--------------|---------|---------------------|--------------|--------------|
|              |         | Channel No.3        | Channel No.6 | Channel No.9 |
|              |         | 2422MHz             | 2437MHz      | 2452MHz      |
| 802.11n HT40 | Chain0  | 36.011              | 35.978       | 35.757       |
| 802.11n HT40 | Chain1  | 35.847              | 35.932       | 35.952       |

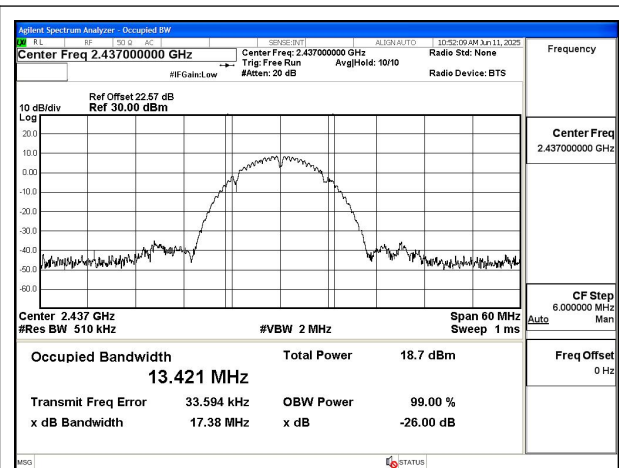


## TEST GRAPHS

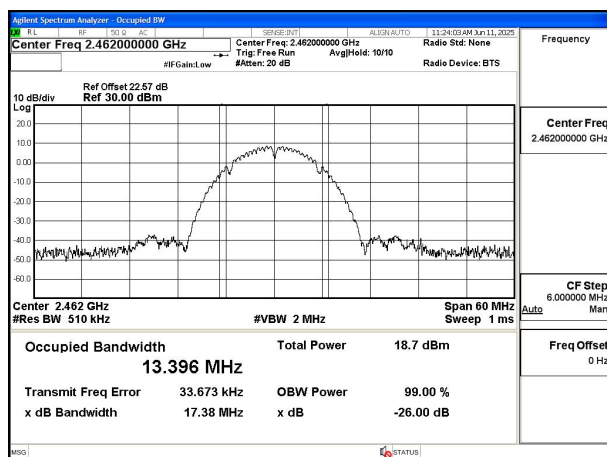
Test Mode: 802.11b



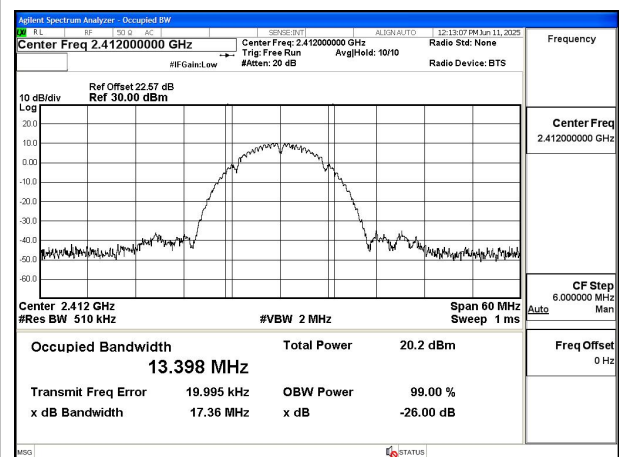
Mode:802.11b Frequency:2412MHz Ant:Chain0



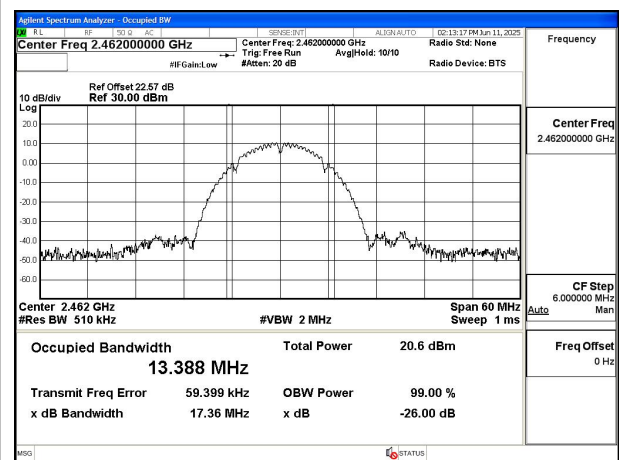
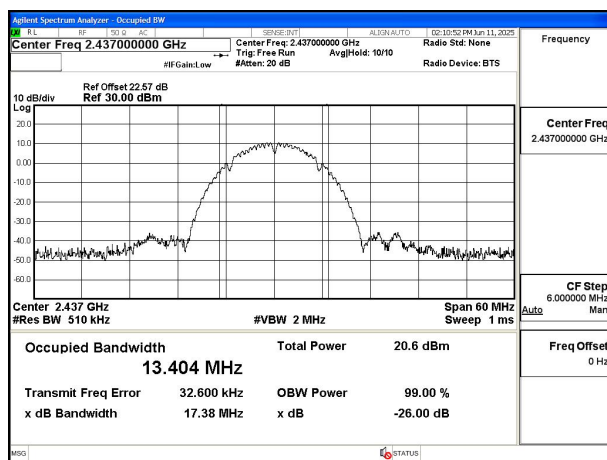
Mode:802.11b Frequency:2437MHz Ant:Chain0



Mode:802.11b Frequency:2462MHz Ant:Chain0



Mode:802.11b Frequency:2412MHz Ant:Chain1





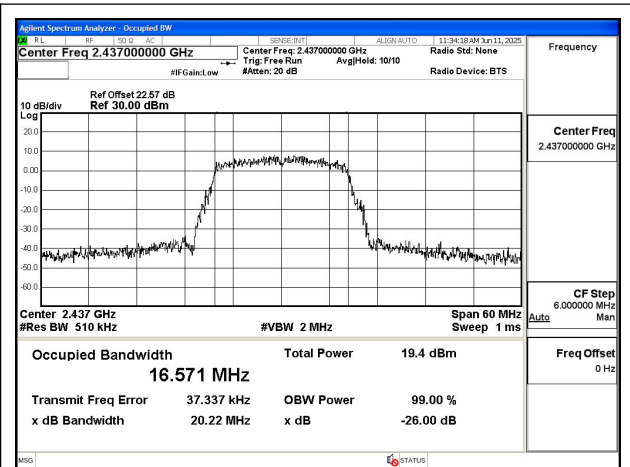
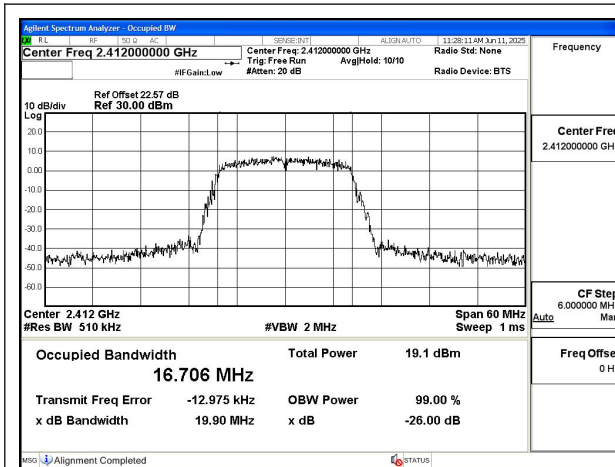
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Mode:802.11b Frequency:2437MHz Ant:Chain1

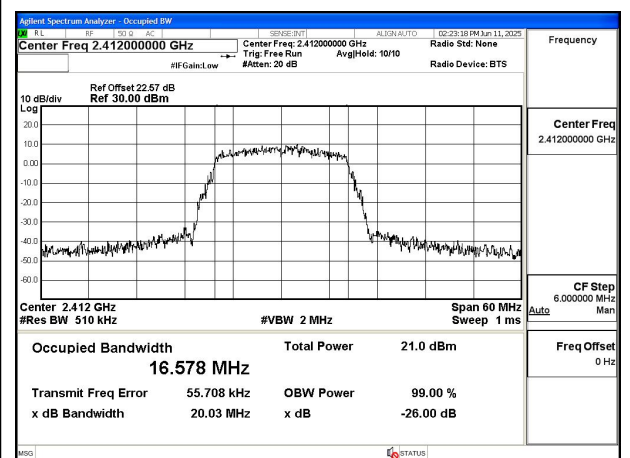
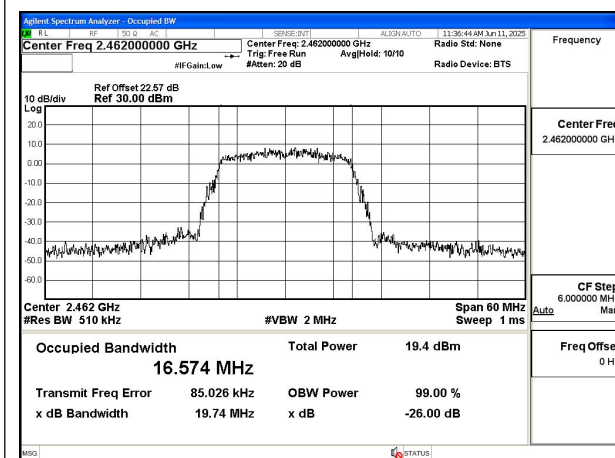
Mode:802.11b Frequency:2462MHz Ant:Chain1

Test Mode: 802.11g



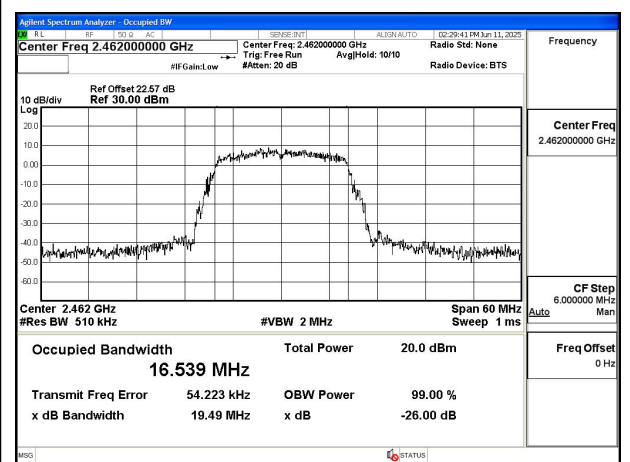
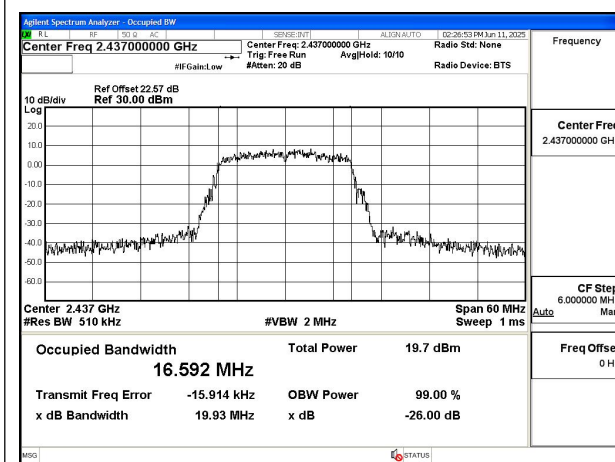
Mode:802.11g Frequency:2412MHz Ant:Chain0

Mode:802.11g Frequency:2437MHz Ant:Chain0



Mode:802.11g Frequency:2462MHz Ant:Chain0

Mode:802.11g Frequency:2412MHz Ant:Chain1



Mode:802.11g Frequency:2437MHz Ant:Chain1

Mode:802.11g Frequency:2462MHz Ant:Chain1

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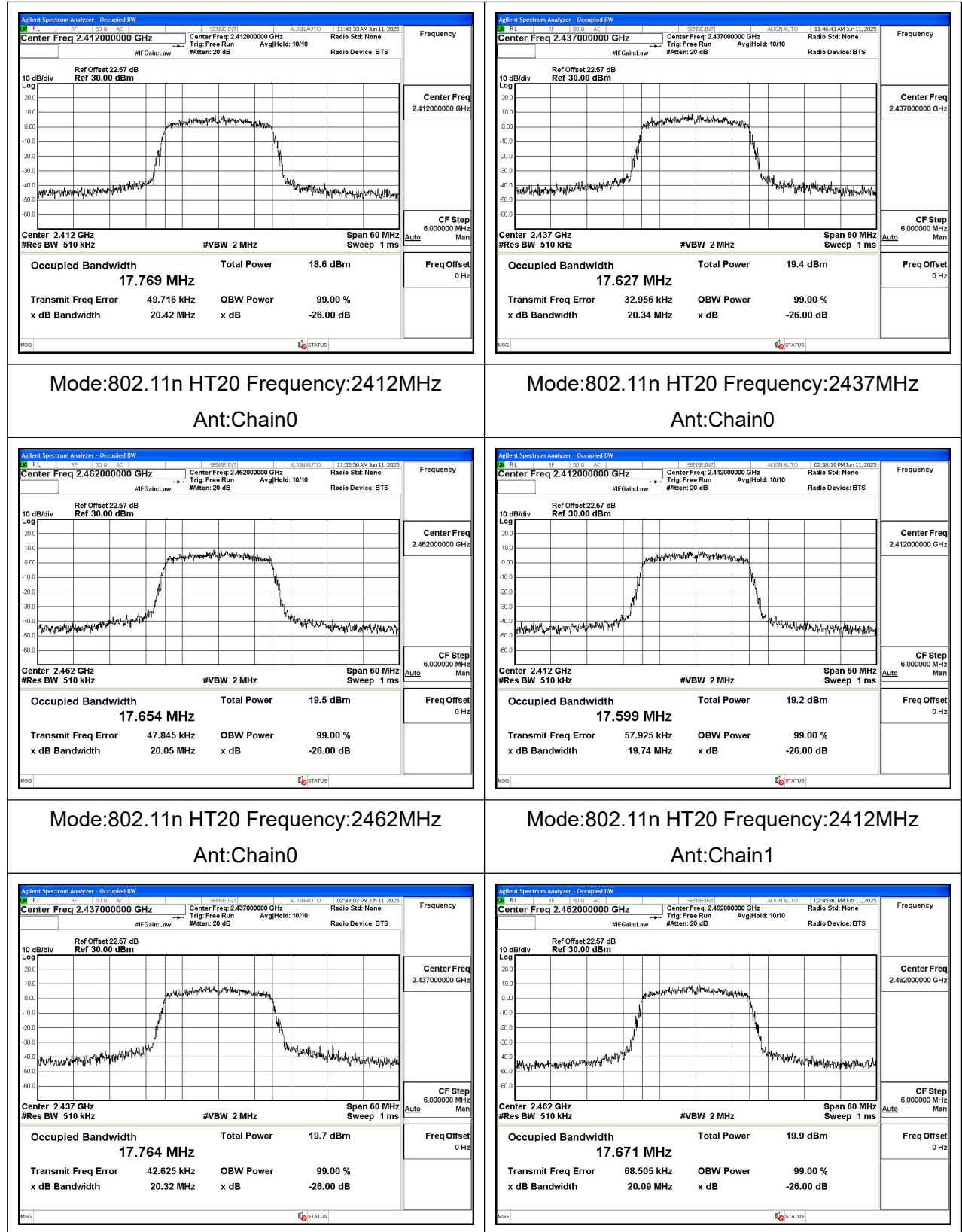
Tower N, Innovation Center, 88 Zuyi Road, High-tech  
District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



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Test Mode: 802.11n HT20

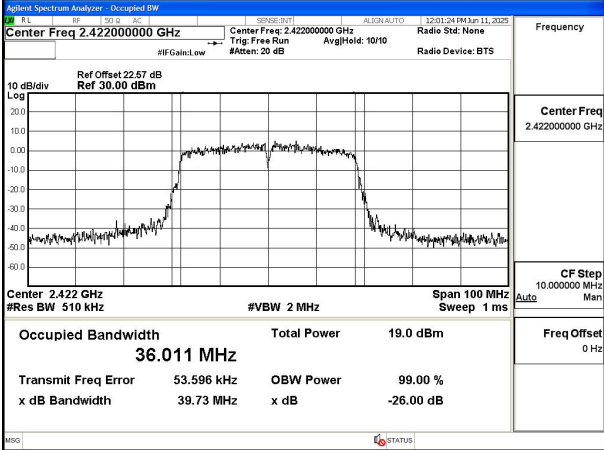
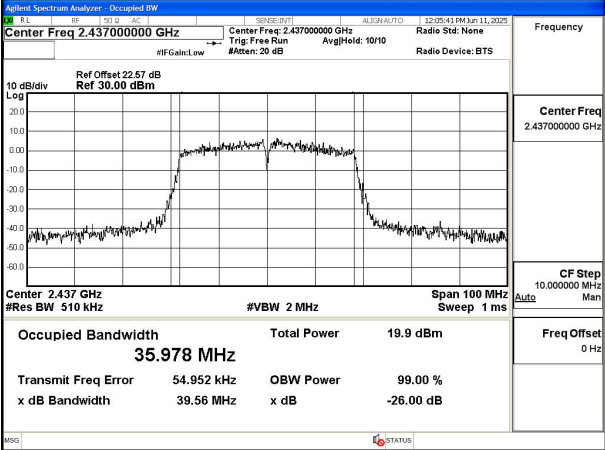
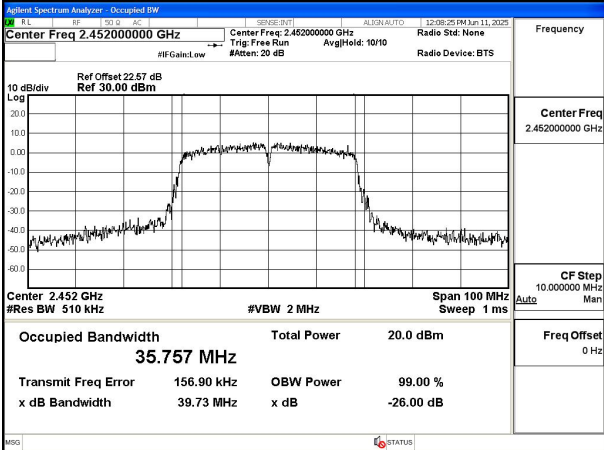
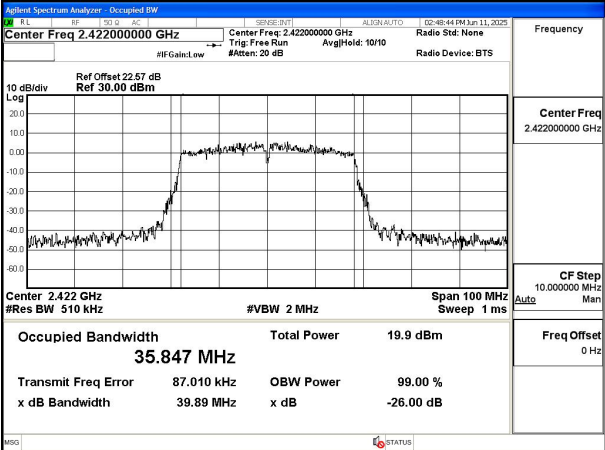




**BUREAU VERITAS** Test Report No.: PSU-NQN2506100110RF02

|                                                   |                                                   |
|---------------------------------------------------|---------------------------------------------------|
| Mode:802.11n HT20 Frequency:2437MHz<br>Ant:Chain1 | Mode:802.11n HT20 Frequency:2462MHz<br>Ant:Chain1 |
|---------------------------------------------------|---------------------------------------------------|

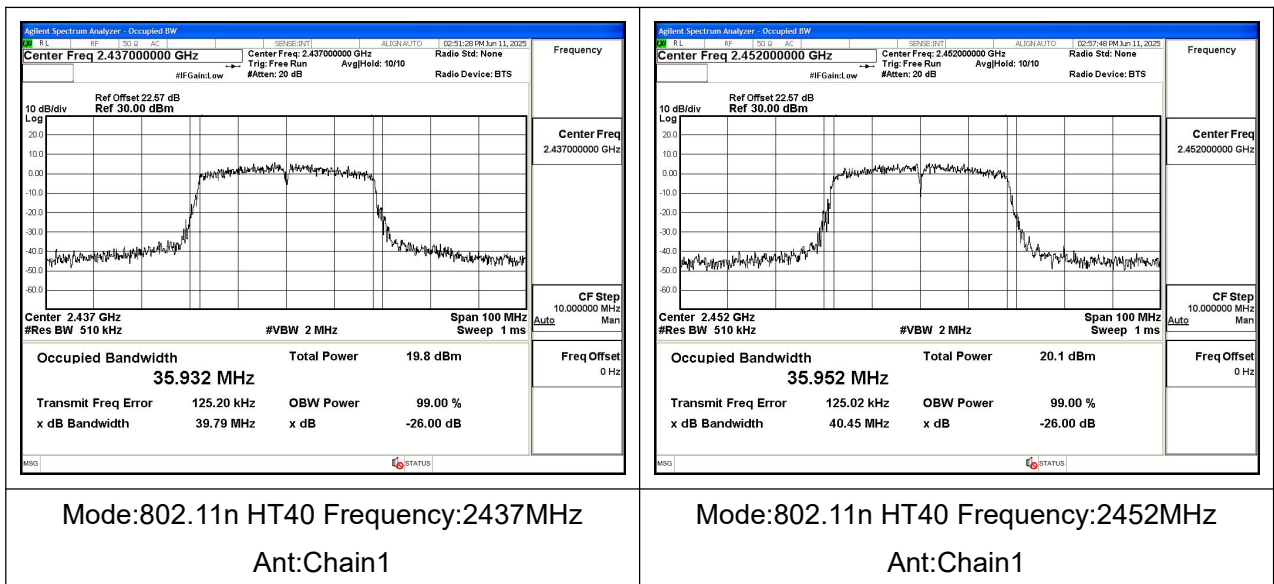
Test Mode: 802.11n HT40

|                                                                                                                                               |                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Mode:802.11n HT40 Frequency:2422MHz<br/>Ant:Chain0</p>   |  <p>Mode:802.11n HT40 Frequency:2437MHz<br/>Ant:Chain0</p>   |
|  <p>Mode:802.11n HT40 Frequency:2452MHz<br/>Ant:Chain0</p> |  <p>Mode:802.11n HT40 Frequency:2422MHz<br/>Ant:Chain1</p> |



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Test Report No.: PSU-NQN2506100110RF02





**BUREAU VERITAS** Test Report No.: PSU-NQN2506100110RF02

## MAXIMUM CONDUCTED OUTPUT POWER

### TEST RESULT

NOTE: EIRP = Peak Power + Gain

| Test Mode    | Tones/<br>RU Index | Frequency<br>(MHz) | Antenna | Peak power<br>output<br>(dBm) | Average<br>power<br>output<br>(dBm) | EIRP<br>(dBm) |
|--------------|--------------------|--------------------|---------|-------------------------------|-------------------------------------|---------------|
| 802.11b      | NA                 | 2412               | Chain0  | 19.44                         | 16.62                               | 19.52         |
| 802.11b      | NA                 | 2412               | Chain1  | 19.34                         | 16.35                               | 21.07         |
| 802.11b      | NA                 | 2437               | Chain0  | 19.65                         | 16.74                               | 19.64         |
| 802.11b      | NA                 | 2437               | Chain1  | 19.61                         | 16.58                               | 21.30         |
| 802.11b      | NA                 | 2462               | Chain0  | 19.64                         | 16.73                               | 19.63         |
| 802.11b      | NA                 | 2462               | Chain1  | 19.38                         | 16.42                               | 21.14         |
| 802.11g      | NA                 | 2412               | Chain0  | 23.71                         | 16.26                               | 19.16         |
| 802.11g      | NA                 | 2412               | Chain1  | 24.13                         | 16.69                               | 21.41         |
| 802.11g      | NA                 | 2437               | Chain0  | 23.50                         | 16.03                               | 18.93         |
| 802.11g      | NA                 | 2437               | Chain1  | 23.83                         | 16.46                               | 21.18         |
| 802.11g      | NA                 | 2462               | Chain0  | 23.58                         | 16.11                               | 19.01         |
| 802.11g      | NA                 | 2462               | Chain1  | 24.06                         | 16.71                               | 21.43         |
| 802.11n HT20 | NA                 | 2412               | Chain0  | 23.62                         | 16.05                               | 18.95         |
| 802.11n HT20 | NA                 | 2412               | Chain1  | 24.06                         | 16.60                               | 21.32         |
| 802.11n HT20 | NA                 | 2412               | MIMO    | 26.86                         | 19.34                               | 24.06         |
| 802.11n HT20 | NA                 | 2437               | Chain0  | 23.96                         | 16.40                               | 19.30         |
| 802.11n HT20 | NA                 | 2437               | Chain1  | 23.73                         | 16.25                               | 20.97         |
| 802.11n HT20 | NA                 | 2437               | MIMO    | 26.86                         | 19.34                               | 24.06         |
| 802.11n HT20 | NA                 | 2462               | Chain0  | 24.10                         | 16.54                               | 19.44         |
| 802.11n HT20 | NA                 | 2462               | Chain1  | 23.99                         | 16.48                               | 21.20         |
| 802.11n HT20 | NA                 | 2462               | MIMO    | 27.06                         | 19.52                               | 24.24         |
| 802.11n HT40 | NA                 | 2422               | Chain0  | 22.79                         | 15.25                               | 18.15         |
| 802.11n HT40 | NA                 | 2422               | Chain1  | 23.04                         | 15.46                               | 20.18         |
| 802.11n HT40 | NA                 | 2422               | MIMO    | 25.93                         | 18.37                               | 23.09         |
| 802.11n HT40 | NA                 | 2437               | Chain0  | 22.85                         | 15.35                               | 18.25         |
| 802.11n HT40 | NA                 | 2437               | Chain1  | 22.94                         | 15.44                               | 20.16         |



**Test Report No.: PSU-NQN2506100110RF02**

|              |    |      |        |       |       |       |
|--------------|----|------|--------|-------|-------|-------|
| 802.11n HT40 | NA | 2437 | MIMO   | 25.91 | 18.41 | 23.13 |
| 802.11n HT40 | NA | 2452 | Chain0 | 22.88 | 15.32 | 18.22 |
| 802.11n HT40 | NA | 2452 | Chain1 | 23.00 | 15.50 | 20.22 |
| 802.11n HT40 | NA | 2452 | MIMO   | 25.95 | 18.42 | 23.14 |



**BUREAU VERITAS** Test Report No.: PSU-NQN2506100110RF02

## MAXIMUM POWER SPECTRAL DENSITY

### TEST RESULT

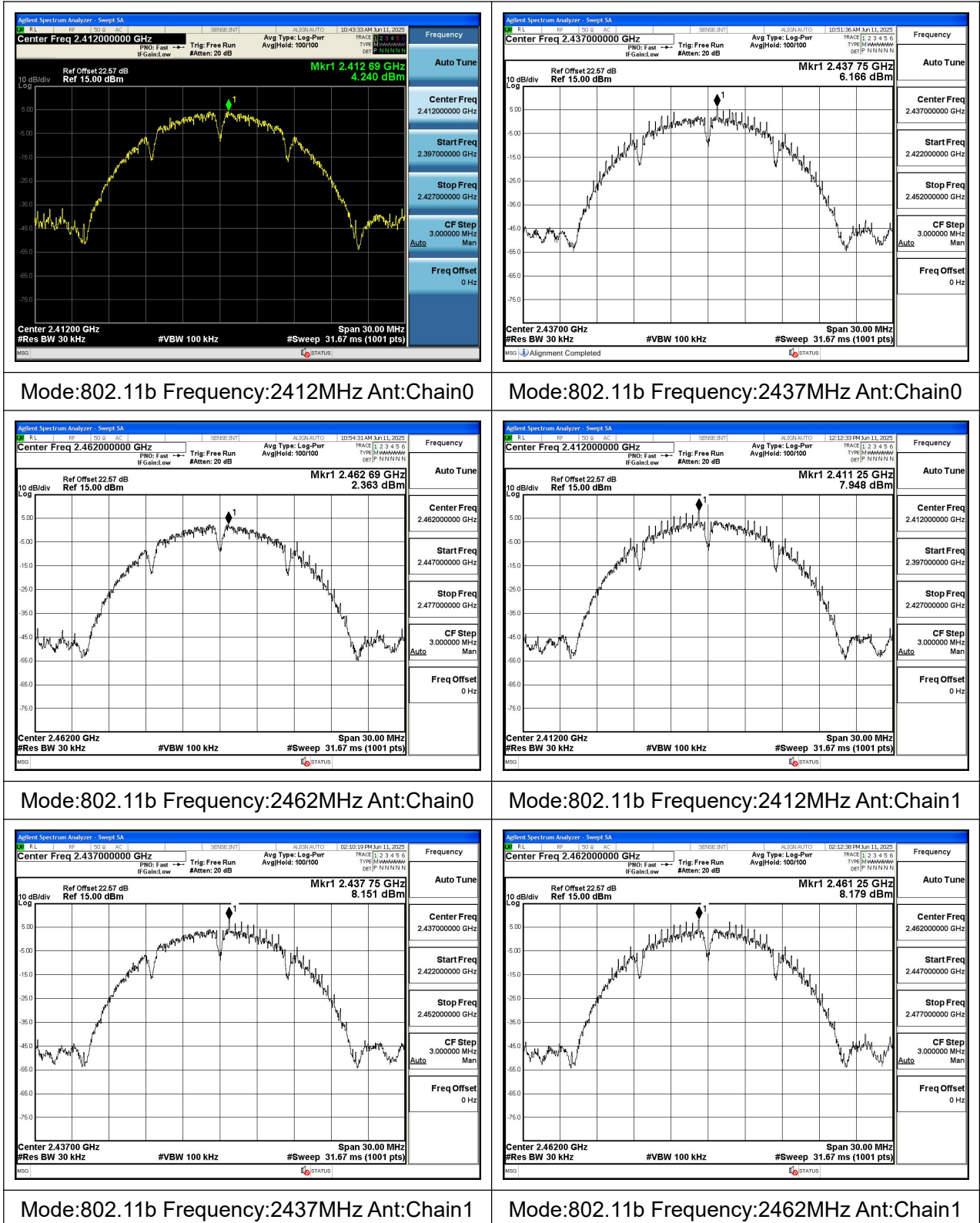
| Test Mode    | Antenna | Tones | Power Density(dBm/3KHz) |              |               |
|--------------|---------|-------|-------------------------|--------------|---------------|
|              |         |       | Channel No.1            | Channel No.6 | Channel No.11 |
|              |         |       | 2412MHz                 | 2437MHz      | 2462MHz       |
| 802.11b      | Chain0  | NA    | -5.760                  | -3.834       | -7.637        |
| 802.11b      | Chain1  | NA    | -2.052                  | -1.849       | -1.821        |
| 802.11g      | Chain0  | NA    | -9.572                  | -9.409       | -9.318        |
| 802.11g      | Chain1  | NA    | -7.593                  | -8.886       | -8.924        |
| 802.11n HT20 | Chain0  | NA    | -8.904                  | -8.141       | -8.023        |
| 802.11n HT20 | Chain1  | NA    | -8.804                  | -7.806       | -7.680        |
| 802.11n HT20 | MIMO    | NA    | -5.843                  | -4.960       | -4.838        |

| Test Mode    | Antenna | Tones | Power Density(dBm/3KHz) |              |              |
|--------------|---------|-------|-------------------------|--------------|--------------|
|              |         |       | Channel No.3            | Channel No.6 | Channel No.9 |
|              |         |       | 2422MHz                 | 2437MHz      | 2452MHz      |
| 802.11n HT40 | Chain0  | NA    | -12.528                 | -12.320      | -13.011      |
| 802.11n HT40 | Chain1  | NA    | -12.734                 | -12.140      | -12.257      |
| 802.11n HT40 | MIMO    | NA    | -9.619                  | -9.219       | -9.607       |



**BUREAU VERITAS** Test Report No.: PSU-NQN2506100110RF02  
**TEST GRAPHS**

Test Mode: 802.11b



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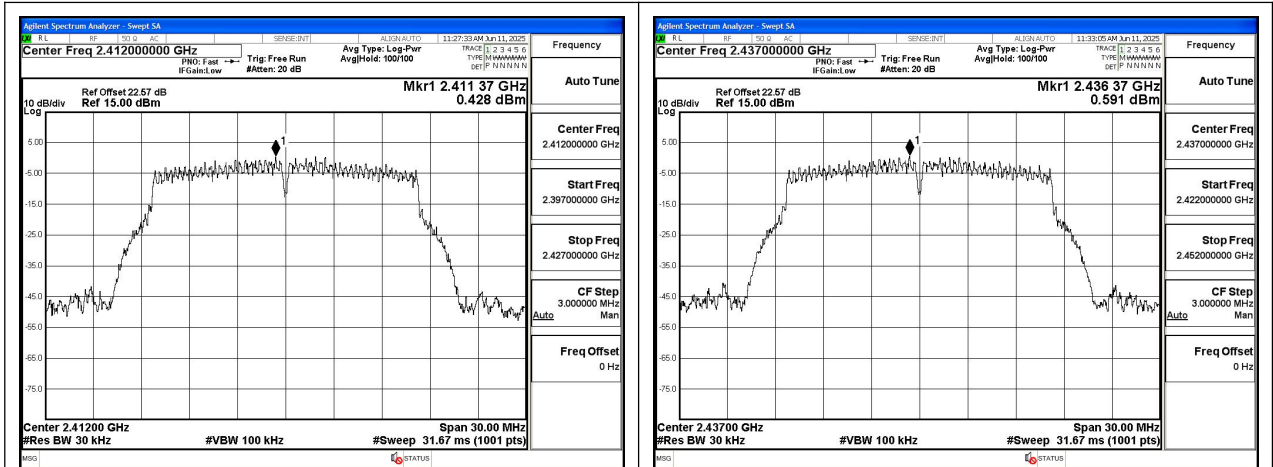
Tower N, Innovation Center, 88 Zuyi Road, High-tech  
District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



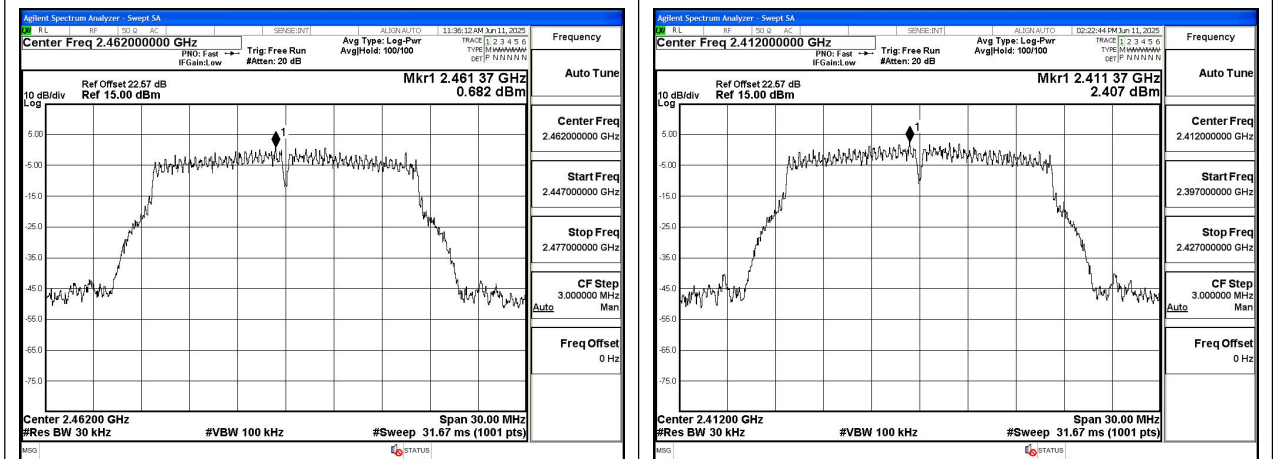
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Test Mode: 802.11g



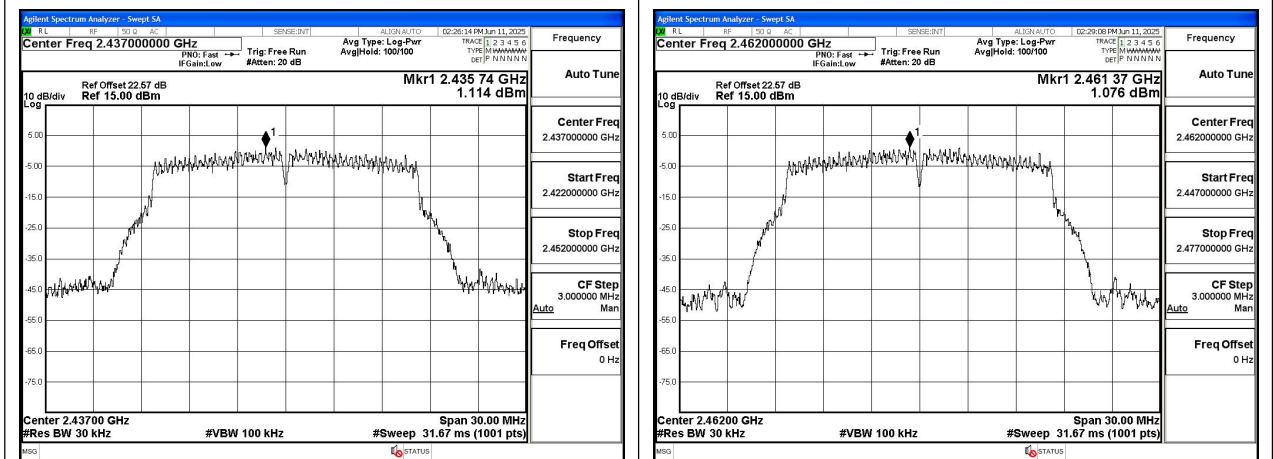
Mode:802.11g Frequency:2412MHz Ant:Chain0

Mode:802.11g Frequency:2437MHz Ant:Chain0



Mode:802.11g Frequency:2462MHz Ant:Chain0

Mode:802.11g Frequency:2412MHz Ant:Chain1



Mode:802.11g Frequency:2437MHz Ant:Chain1

Mode:802.11g Frequency:2462MHz Ant:Chain1

Test Mode: 802.11n HT20

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