

# FCC LTE Band38 Test Data

## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 15RB#0           | 5.70       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 5.57       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 15RB#0           | 5.69       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 5.55       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 15RB#0           | 5.74       | 13        | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 5.50       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 15RB#0           | 6.22       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 6.23       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 15RB#0           | 6.58       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 6.18       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 15RB#0           | 6.24       | 13        | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 6.16       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 5.64       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 5.68       | 13        | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 5.70       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 6.43       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 6.41       | 13        | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 6.49       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 5.90       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 5.99       | 13        | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 6.04       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 6.53       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 6.47       | 13        | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | 6.53       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 5.62       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 5.69       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 5.67       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 6.41       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | 6.42       | 13        | PASS    |

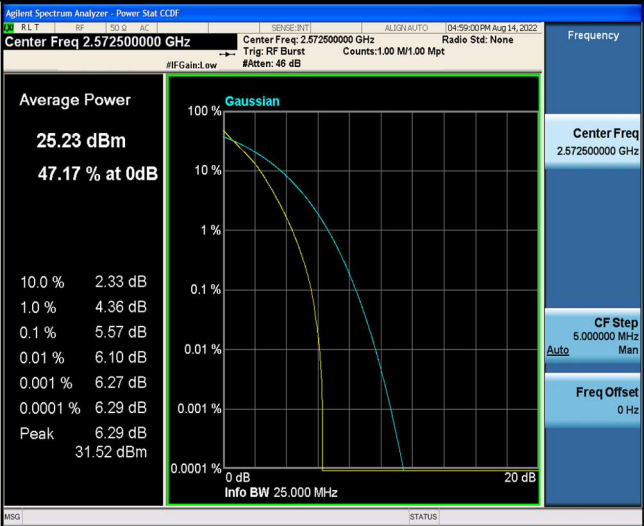
|        |       |       |       |         |      |    |      |
|--------|-------|-------|-------|---------|------|----|------|
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 6.41 | 13 | PASS |
|--------|-------|-------|-------|---------|------|----|------|

Test Graphs

Band38-5MHz-QPSK-37775-15RB#0



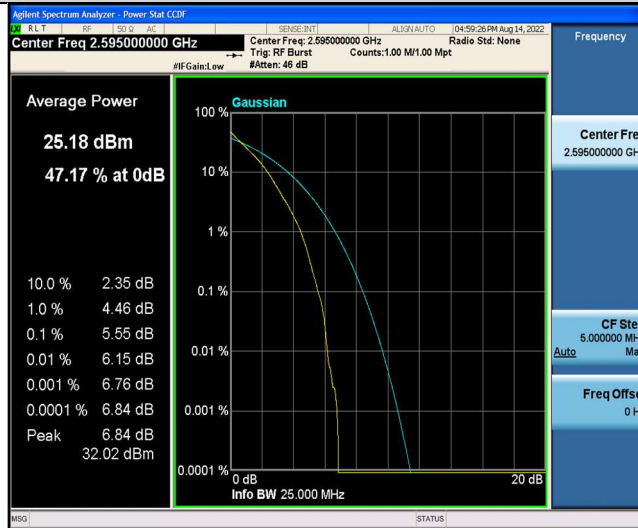
Band38-5MHz-QPSK-37775-25RB#0



Band38-5MHz-QPSK-38000-15RB#0



### Band38-5MHz-QPSK-38000-25RB#0



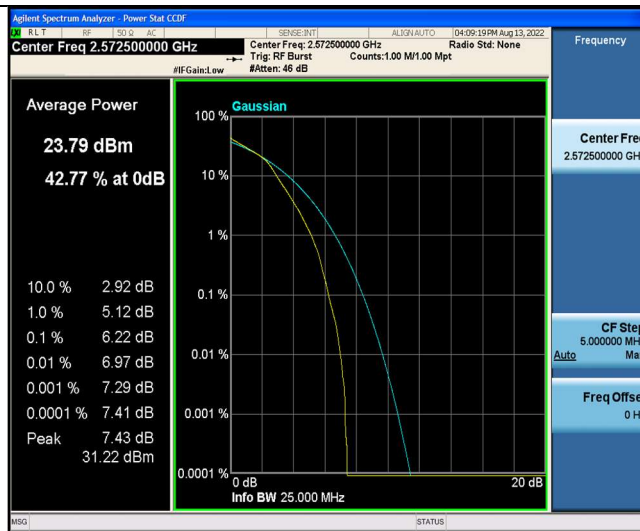
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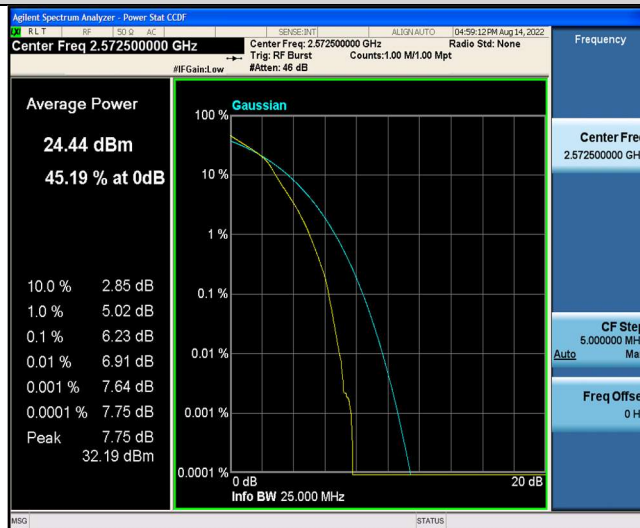
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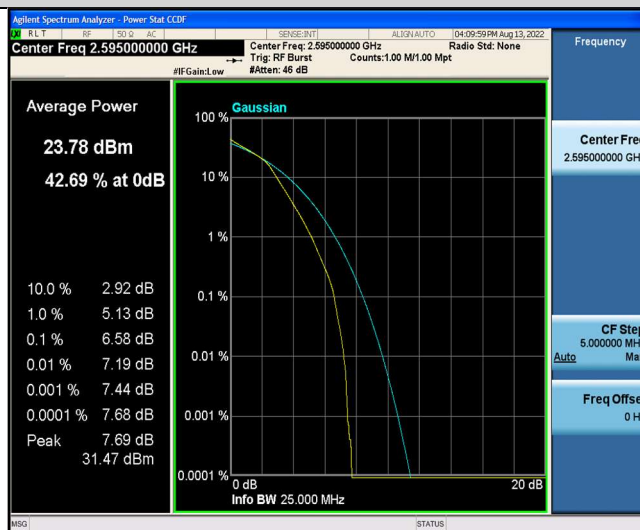
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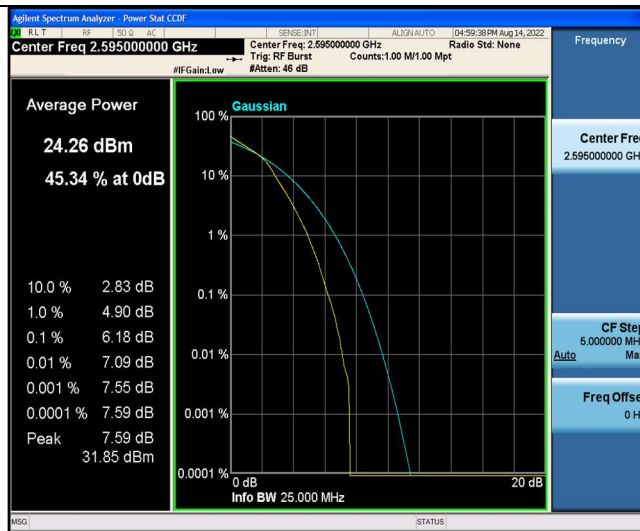
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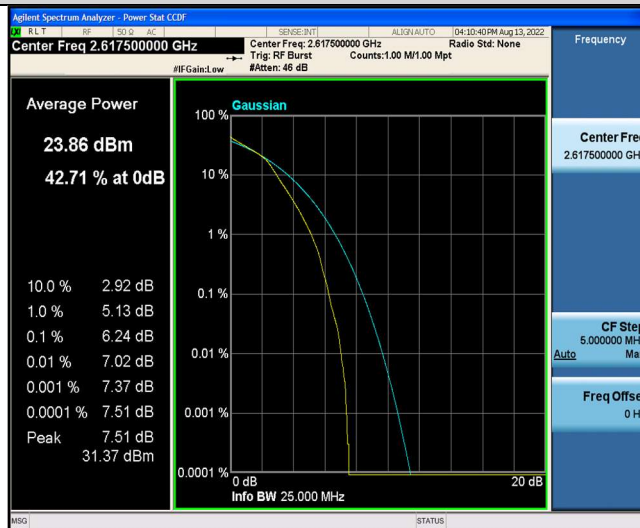
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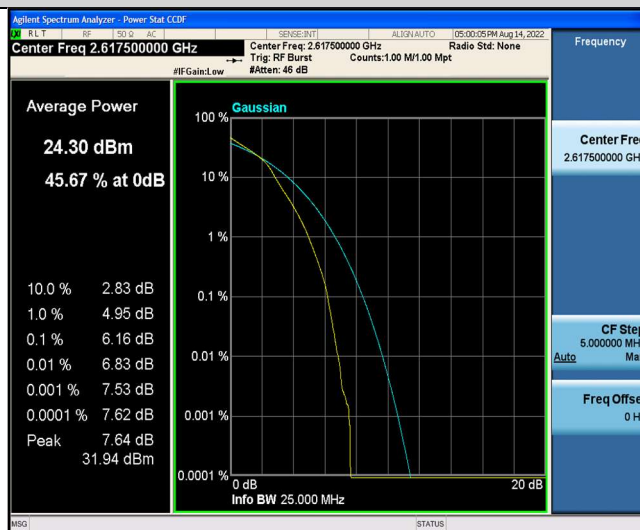
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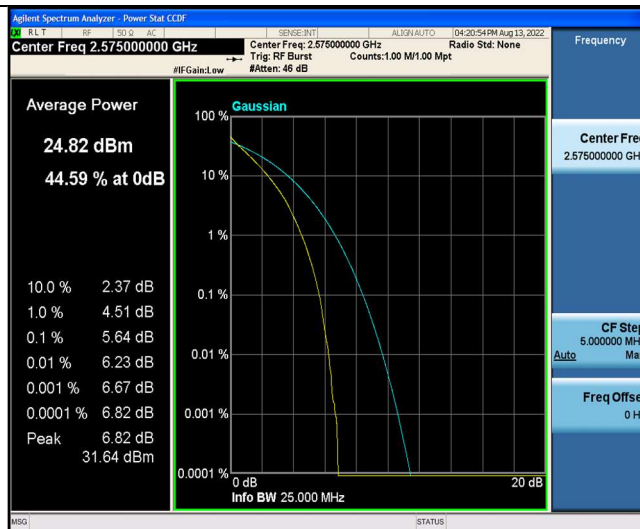
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Band38-5MHz-16QAM-38225-25RB#0



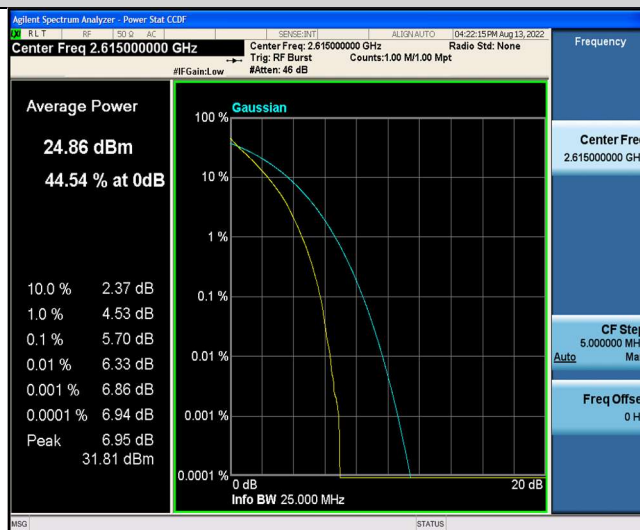
Band38-10MHz-QPSK-37800-50RB#0



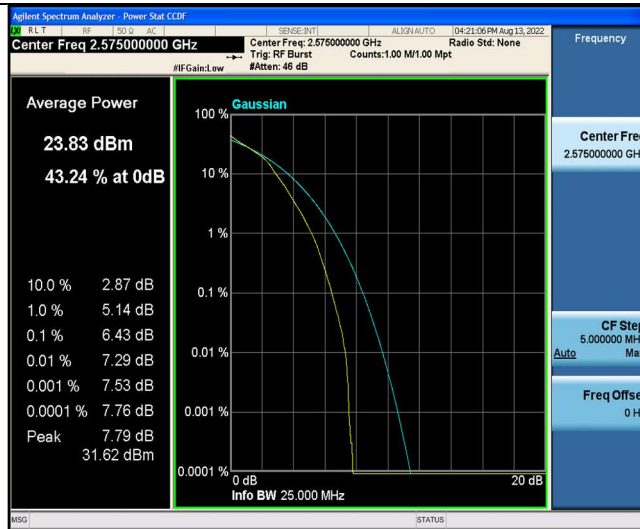
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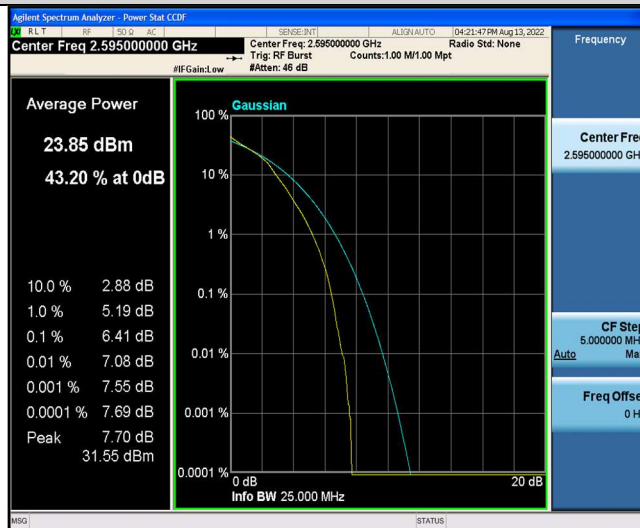
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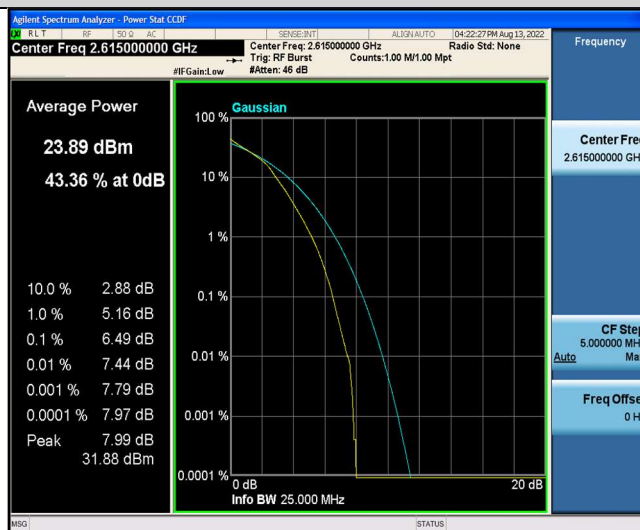
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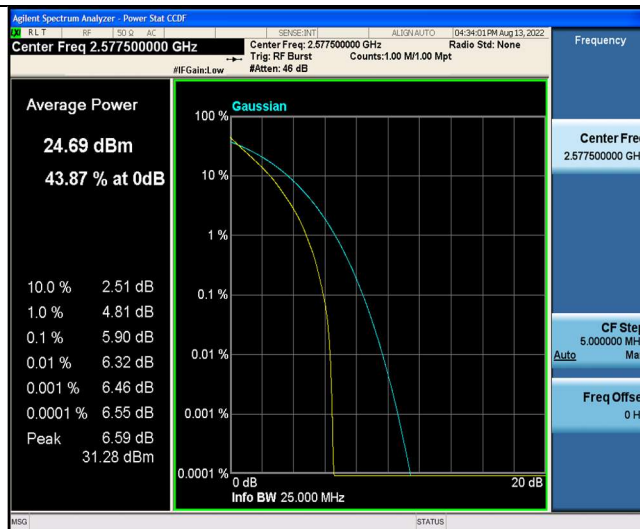
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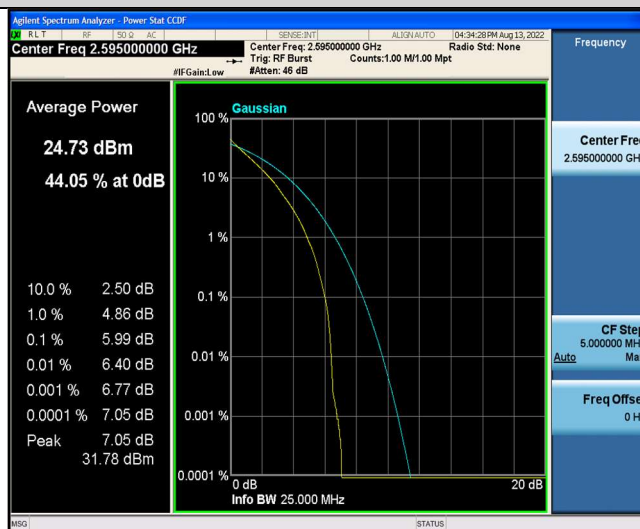
Band38-10MHz-16QAM-38200-50RB#0



Band38-15MHz-QPSK-37825-75RB#0



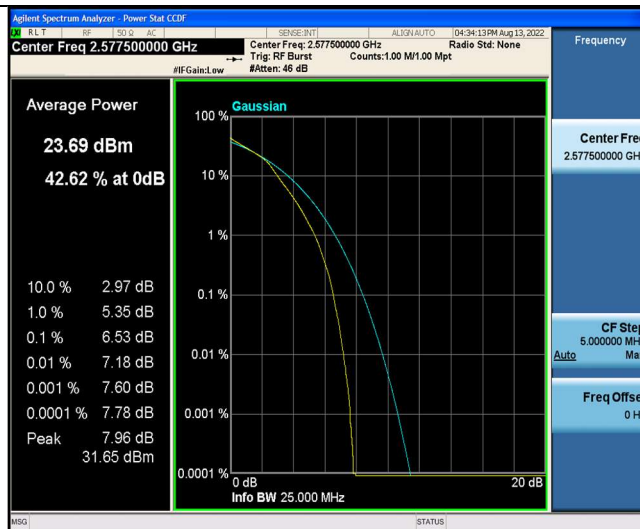
Band38-15MHz-QPSK-38000-75RB#0



Band38-15MHz-QPSK-38175-75RB#0



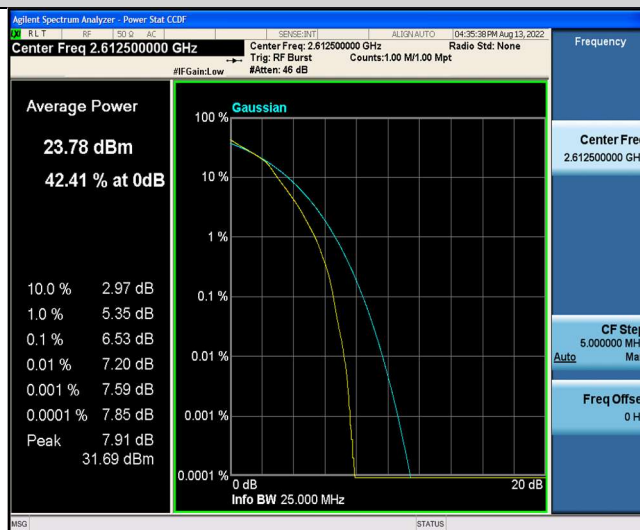
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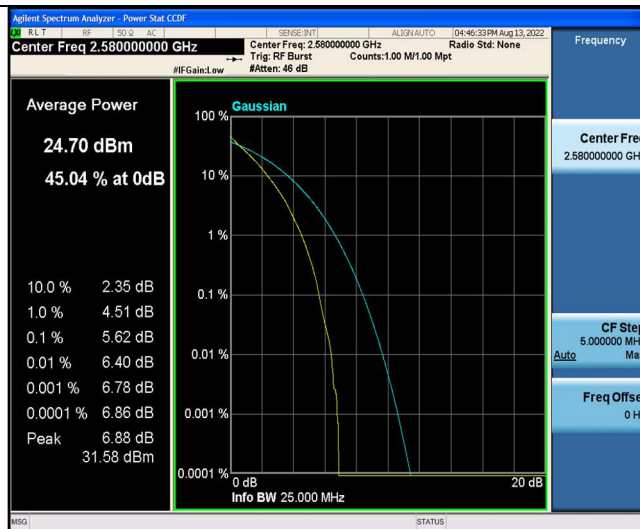
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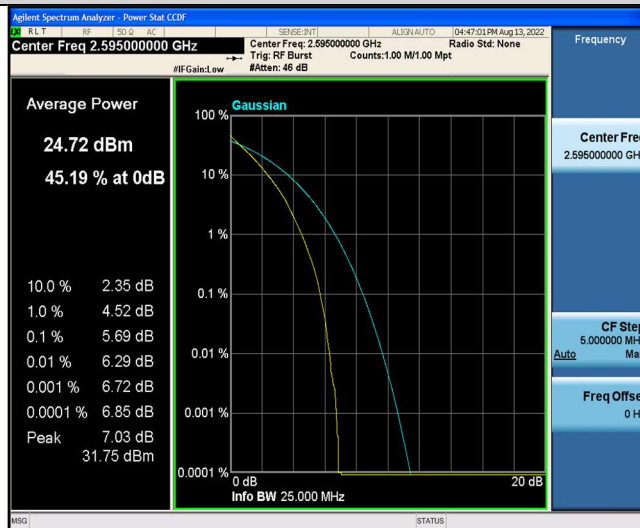
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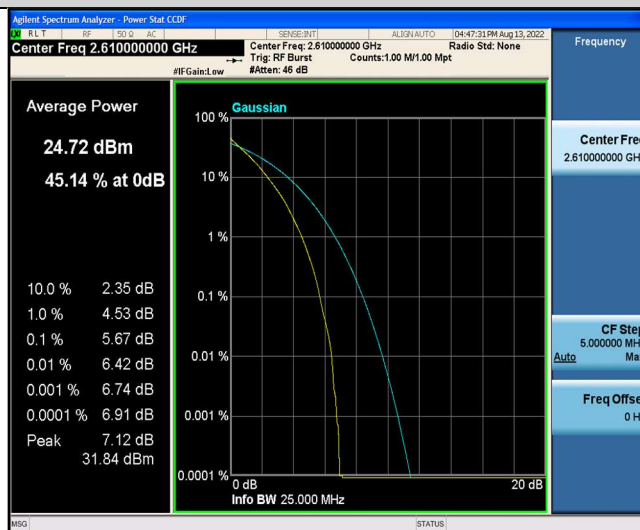
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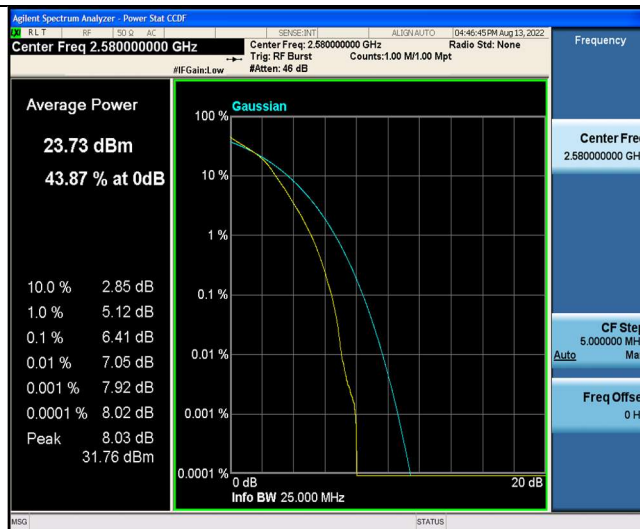
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Band38-20MHz-QPSK-38150-100RB#0



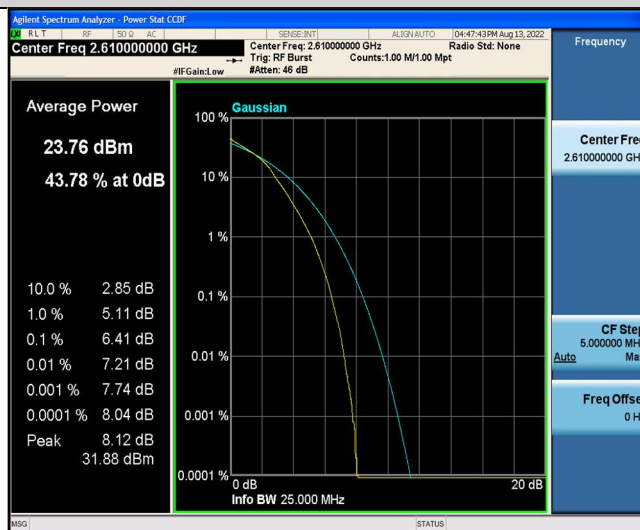
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Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-100RB#0



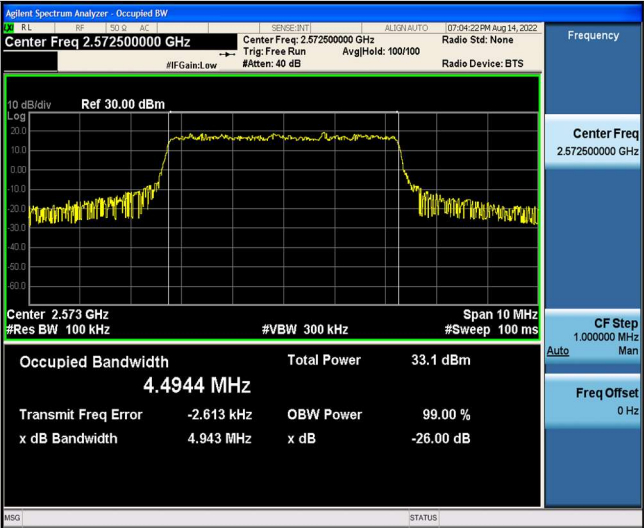
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

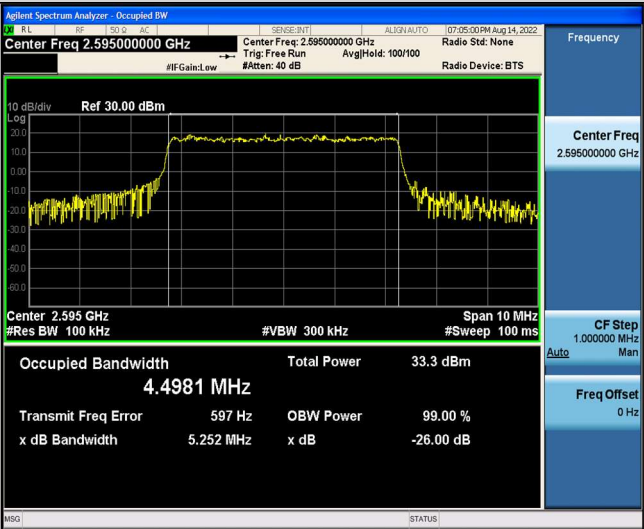
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 4.4944                   | 4.943                | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 4.4981                   | 5.252                | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 4.4926                   | 4.971                | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 4.4942                   | 5.247                | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 4.4879                   | 5.029                | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 4.4886                   | 5.202                | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 8.9784                   | 10.61                | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 8.9908                   | 10.31                | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 8.9983                   | 10.81                | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 8.9919                   | 9.777                | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 8.9754                   | 10.73                | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 8.9859                   | 10.18                | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 13.492                   | 15.37                | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 13.435                   | 15.21                | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 13.489                   | 15.05                | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 13.465                   | 15.05                | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 13.489                   | 16.33                | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | 13.465                   | 16.18                | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 17.990                   | 20.28                | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 17.941                   | 19.63                | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 17.918                   | 20.05                | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 17.918                   | 19.34                | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | 17.953                   | 19.99                | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | 17.943                   | 20.43                | PASS    |

Test Graphs

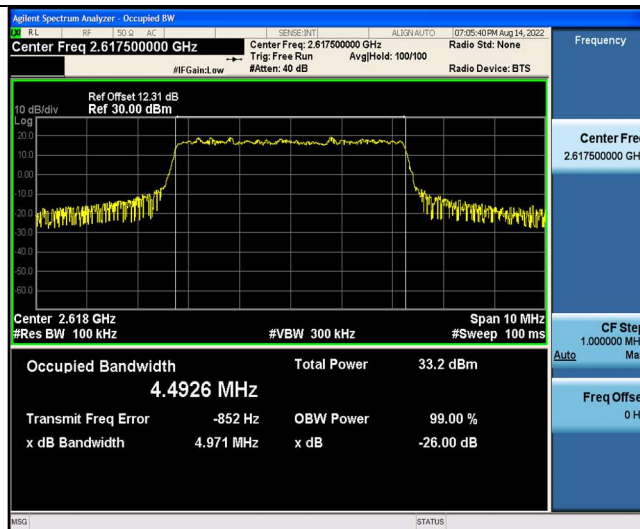
Band38-5MHz-QPSK-37775-25RB#0



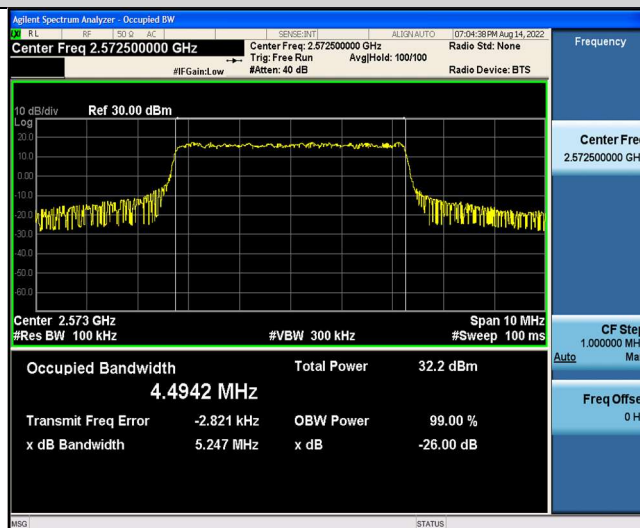
Band38-5MHz-QPSK-38000-25RB#0



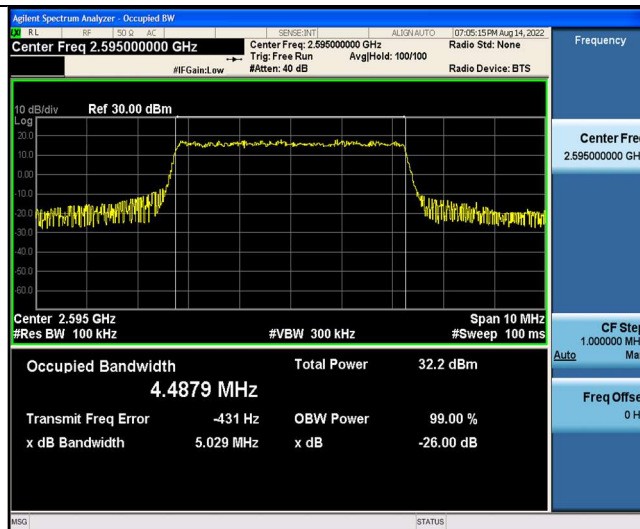
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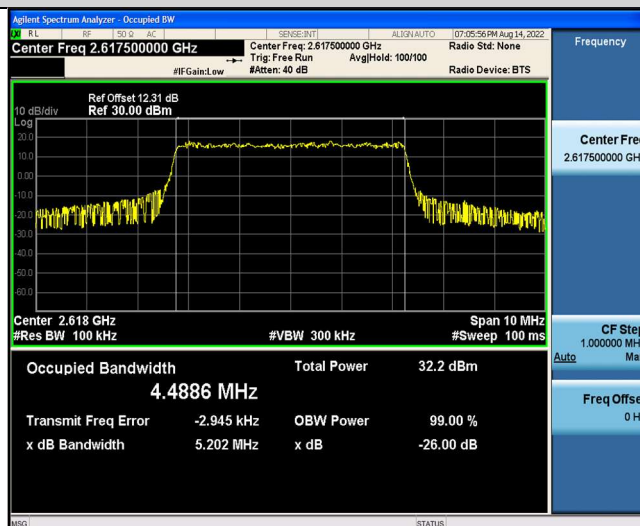
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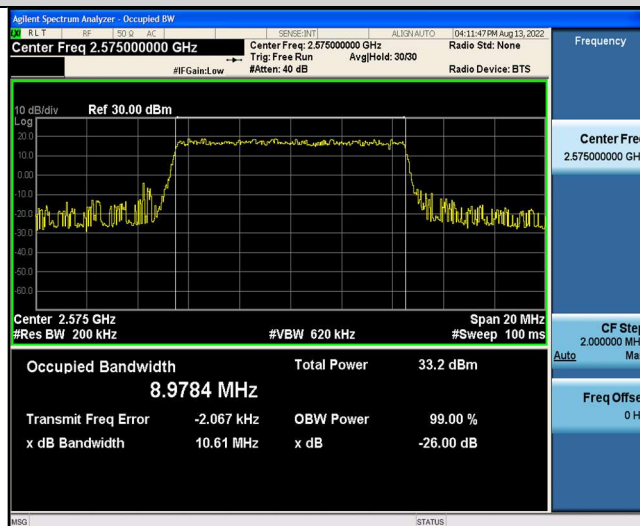
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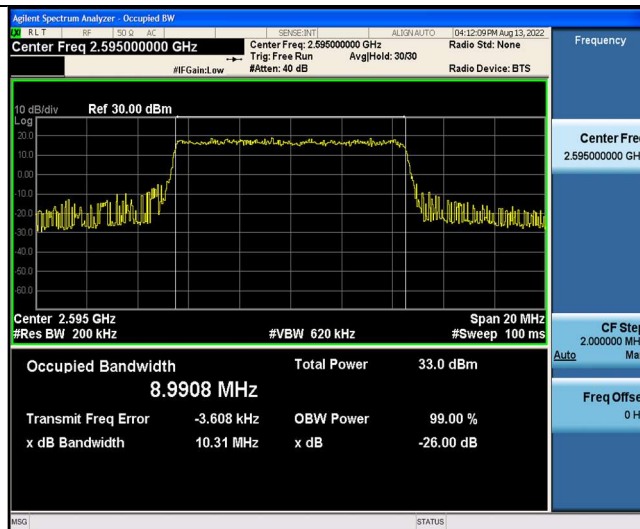
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### Band38-10MHz-QPSK-37800-50RB#0



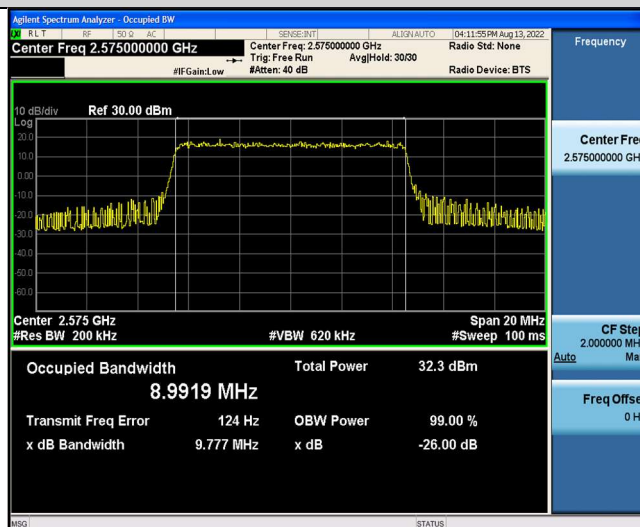
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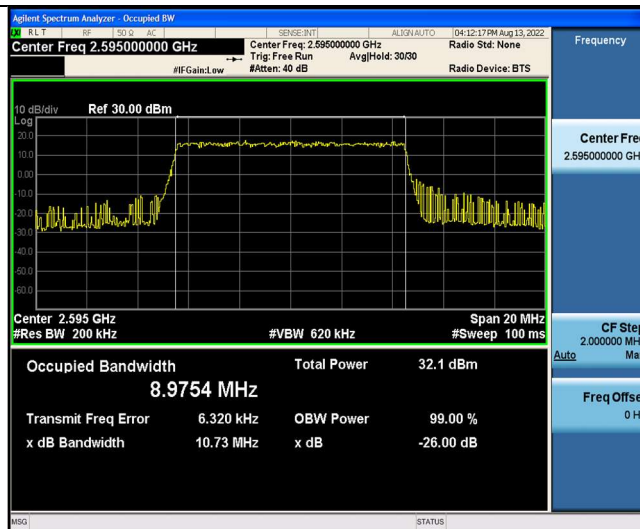
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Band38-10MHz-16QAM-37800-50RB#0



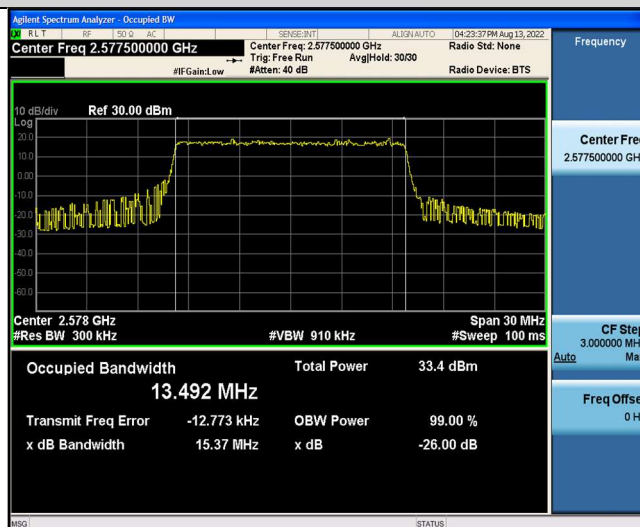
Band38-10MHz-16QAM-38000-50RB#0



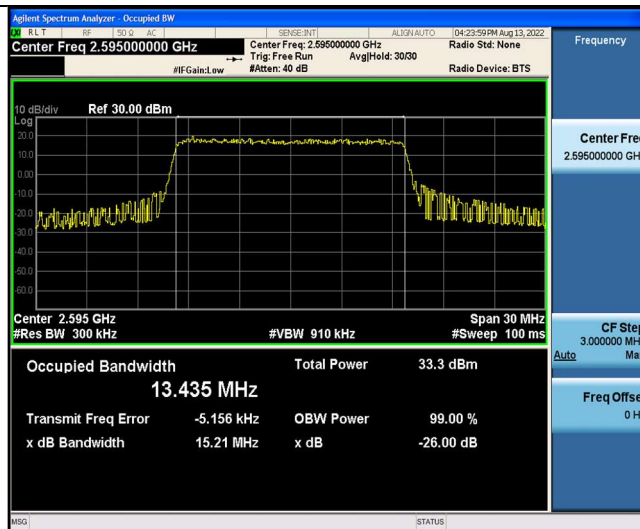
Band38-10MHz-16QAM-38200-50RB#0



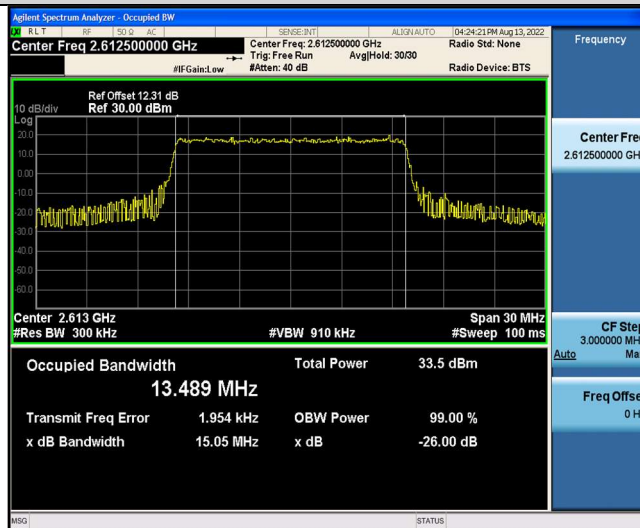
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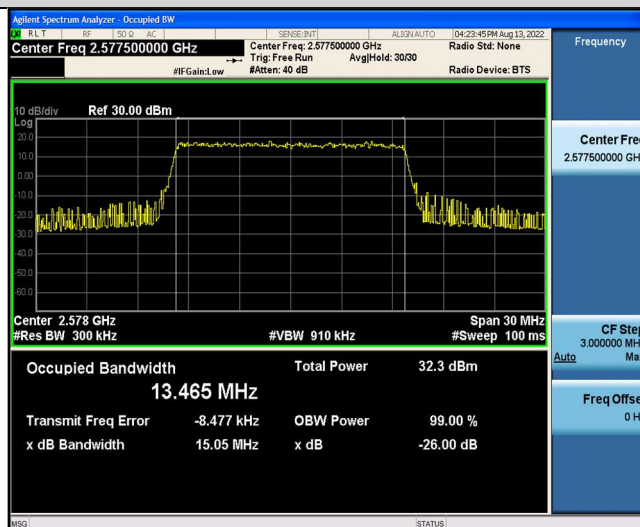
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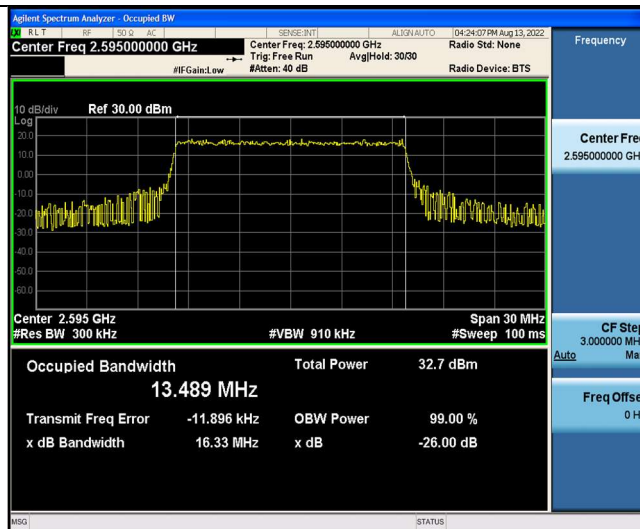
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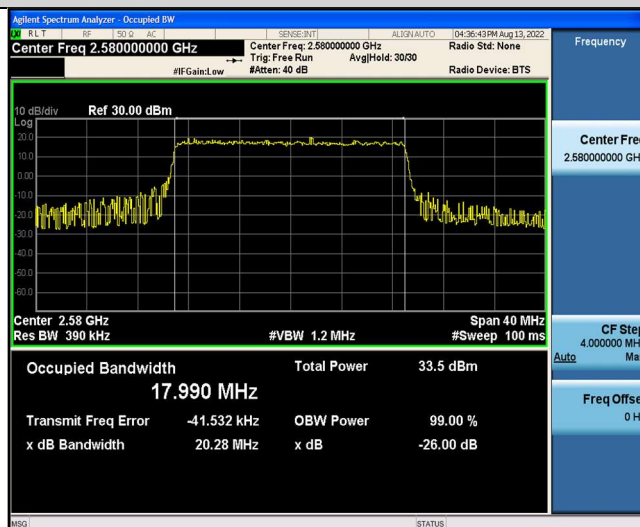
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Band38-15MHz-16QAM-38175-75RB#0



Band38-20MHz-QPSK-37850-100RB#0



Band38-20MHz-QPSK-38000-100RB#0