

### Occupied Bandwidth

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB    | OBW (MHz) | 26dB BW (MHz) |
|------|-----------------|---------|------------|------------|-------|-----------|---------------|
| 66   | 20.0            | 132072  | 1720.0     | QPSK       | 100@0 | 17.877    | 19.08         |
| 66   | 20.0            | 132072  | 1720.0     | 16QAM      | 100@0 | 17.812    | 19.23         |
| 66   | 20.0            | 132072  | 1720.0     | 64QAM      | 100@0 | 17.848    | 19.20         |
| 66   | 20.0            | 132322  | 1745.0     | QPSK       | 100@0 | 17.894    | 19.02         |
| 66   | 20.0            | 132322  | 1745.0     | 16QAM      | 100@0 | 17.923    | 19.38         |
| 66   | 20.0            | 132322  | 1745.0     | 64QAM      | 100@0 | 17.925    | 19.39         |
| 66   | 20.0            | 132572  | 1770.0     | QPSK       | 100@0 | 17.899    | 18.85         |
| 66   | 20.0            | 132572  | 1770.0     | 16QAM      | 100@0 | 17.806    | 18.75         |
| 66   | 20.0            | 132572  | 1770.0     | 64QAM      | 100@0 | 17.807    | 19.00         |
| 66   | 15.0            | 132047  | 1717.5     | QPSK       | 75@0  | 13.367    | 14.55         |
| 66   | 15.0            | 132047  | 1717.5     | 16QAM      | 75@0  | 13.379    | 14.42         |
| 66   | 15.0            | 132047  | 1717.5     | 64QAM      | 75@0  | 13.372    | 14.36         |
| 66   | 15.0            | 132322  | 1745.0     | QPSK       | 75@0  | 13.409    | 14.42         |
| 66   | 15.0            | 132322  | 1745.0     | 16QAM      | 75@0  | 13.425    | 14.67         |
| 66   | 15.0            | 132322  | 1745.0     | 64QAM      | 75@0  | 13.407    | 14.40         |
| 66   | 15.0            | 132597  | 1772.5     | QPSK       | 75@0  | 13.410    | 14.30         |
| 66   | 15.0            | 132597  | 1772.5     | 16QAM      | 75@0  | 13.425    | 14.60         |
| 66   | 15.0            | 132597  | 1772.5     | 64QAM      | 75@0  | 13.388    | 14.32         |
| 66   | 10.0            | 132022  | 1715.0     | QPSK       | 50@0  | 8.9410    | 9.588         |
| 66   | 10.0            | 132022  | 1715.0     | 16QAM      | 50@0  | 8.9237    | 9.610         |
| 66   | 10.0            | 132022  | 1715.0     | 64QAM      | 50@0  | 8.9329    | 9.585         |
| 66   | 10.0            | 132322  | 1745.0     | QPSK       | 50@0  | 8.9477    | 9.702         |
| 66   | 10.0            | 132322  | 1745.0     | 16QAM      | 50@0  | 8.9429    | 9.632         |
| 66   | 10.0            | 132322  | 1745.0     | 64QAM      | 50@0  | 8.9510    | 9.668         |
| 66   | 10.0            | 132622  | 1775.0     | QPSK       | 50@0  | 8.9331    | 9.625         |
| 66   | 10.0            | 132622  | 1775.0     | 16QAM      | 50@0  | 8.9315    | 9.482         |
| 66   | 10.0            | 132622  | 1775.0     | 64QAM      | 50@0  | 8.9518    | 9.721         |
| 66   | 5.0             | 131997  | 1712.5     | QPSK       | 25@0  | 4.4661    | 4.875         |
| 66   | 5.0             | 131997  | 1712.5     | 16QAM      | 25@0  | 4.4604    | 4.815         |
| 66   | 5.0             | 131997  | 1712.5     | 64QAM      | 25@0  | 4.4607    | 4.846         |
| 66   | 5.0             | 132322  | 1745.0     | QPSK       | 25@0  | 4.4477    | 4.899         |
| 66   | 5.0             | 132322  | 1745.0     | 16QAM      | 25@0  | 4.4611    | 4.881         |
| 66   | 5.0             | 132322  | 1745.0     | 64QAM      | 25@0  | 4.4589    | 4.848         |
| 66   | 5.0             | 132647  | 1777.5     | QPSK       | 25@0  | 4.4607    | 4.821         |
| 66   | 5.0             | 132647  | 1777.5     | 16QAM      | 25@0  | 4.4663    | 4.874         |
| 66   | 5.0             | 132647  | 1777.5     | 64QAM      | 25@0  | 4.4598    | 4.899         |
| 66   | 3.0             | 131987  | 1711.5     | QPSK       | 15@0  | 2.6809    | 2.976         |
| 66   | 3.0             | 131987  | 1711.5     | 16QAM      | 15@0  | 2.6846    | 2.971         |
| 66   | 3.0             | 131987  | 1711.5     | 64QAM      | 15@0  | 2.6830    | 2.987         |
| 66   | 3.0             | 132322  | 1745.0     | QPSK       | 15@0  | 2.6881    | 2.988         |
| 66   | 3.0             | 132322  | 1745.0     | 16QAM      | 15@0  | 2.6856    | 2.973         |
| 66   | 3.0             | 132322  | 1745.0     | 64QAM      | 15@0  | 2.6799    | 2.953         |
| 66   | 3.0             | 132657  | 1778.5     | QPSK       | 15@0  | 2.6857    | 2.960         |
| 66   | 3.0             | 132657  | 1778.5     | 16QAM      | 15@0  | 2.6883    | 3.012         |
| 66   | 3.0             | 132657  | 1778.5     | 64QAM      | 15@0  | 2.6907    | 3.006         |
| 66   | 1.4             | 131979  | 1710.7     | QPSK       | 6@0   | 1.0778    | 1.220         |
| 66   | 1.4             | 131979  | 1710.7     | 16QAM      | 6@0   | 1.0827    | 1.225         |
| 66   | 1.4             | 131979  | 1710.7     | 64QAM      | 6@0   | 1.0851    | 1.228         |
| 66   | 1.4             | 132322  | 1745.0     | QPSK       | 6@0   | 1.0792    | 1.224         |
| 66   | 1.4             | 132322  | 1745.0     | 16QAM      | 6@0   | 1.0759    | 1.216         |
| 66   | 1.4             | 132322  | 1745.0     | 64QAM      | 6@0   | 1.0772    | 1.211         |
| 66   | 1.4             | 132665  | 1779.3     | QPSK       | 6@0   | 1.0781    | 1.224         |
| 66   | 1.4             | 132665  | 1779.3     | 16QAM      | 6@0   | 1.0778    | 1.228         |
| 66   | 1.4             | 132665  | 1779.3     | 64QAM      | 6@0   | 1.0793    | 1.219         |

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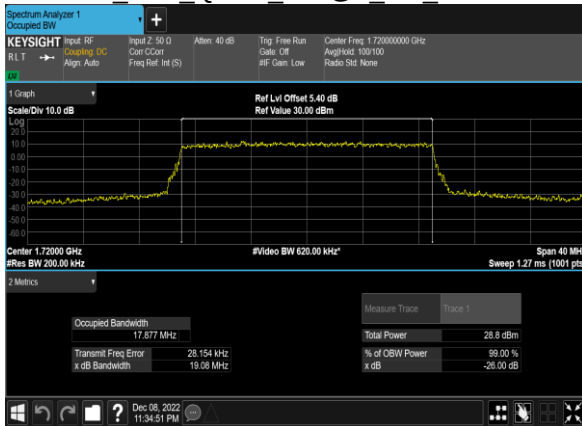
Fax: +86-755-28230886

E-mail: info@uttlab.com

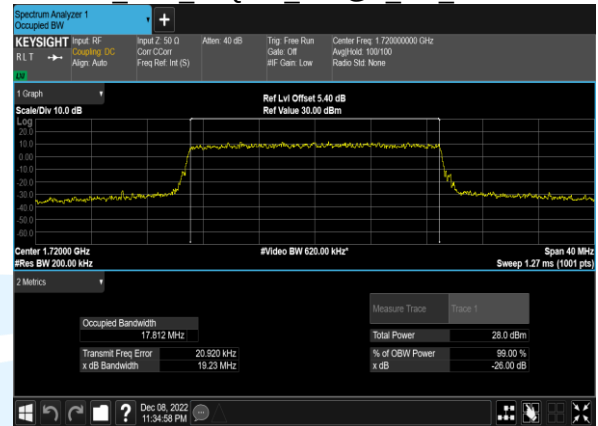
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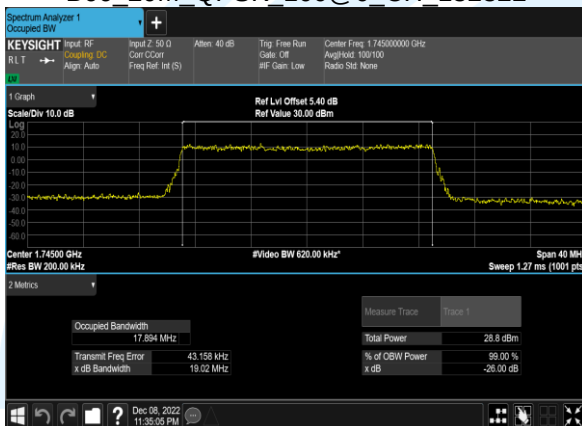
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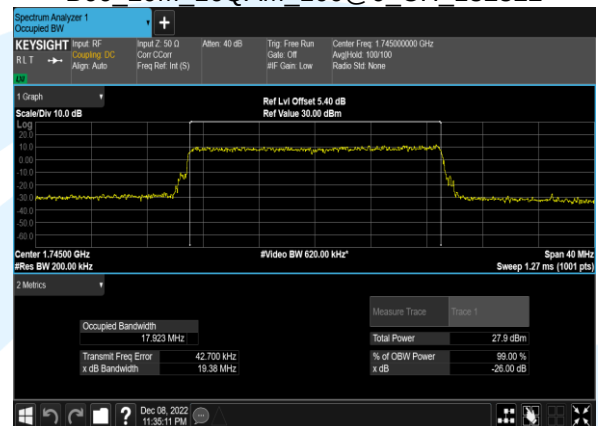
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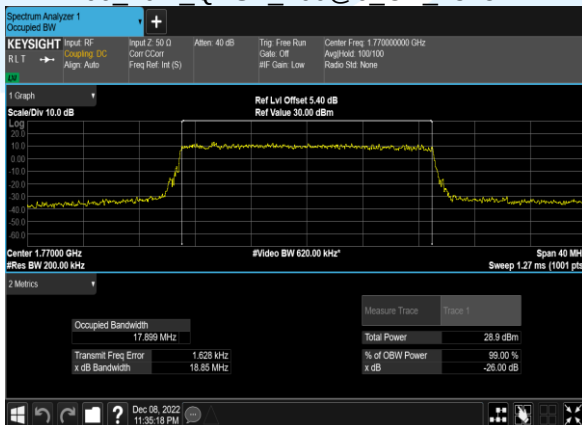
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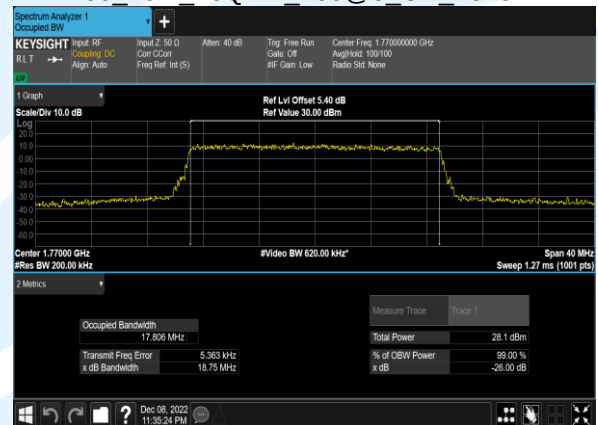
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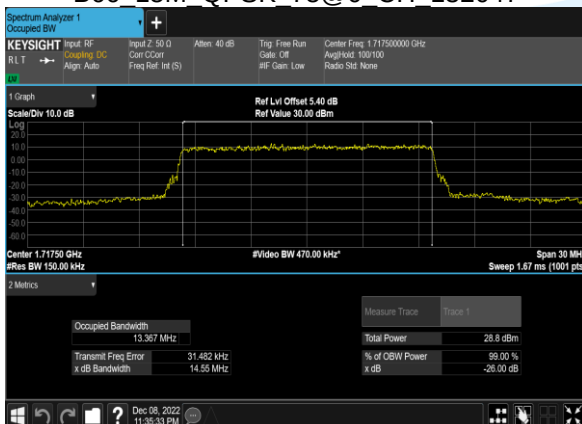
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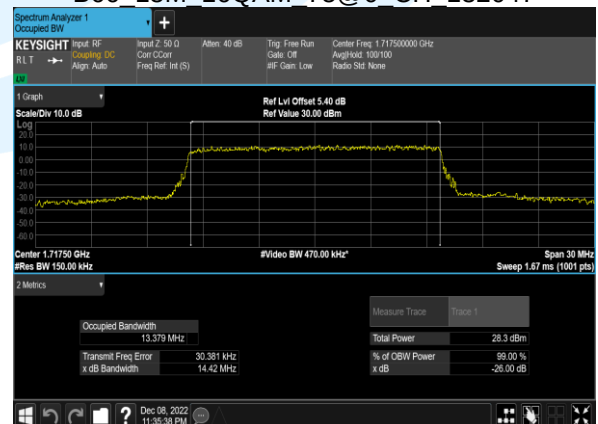
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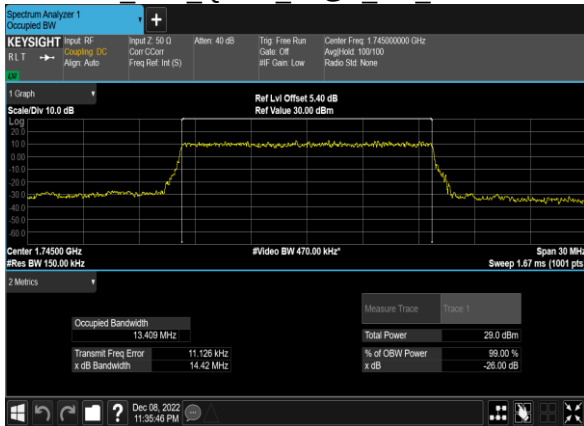
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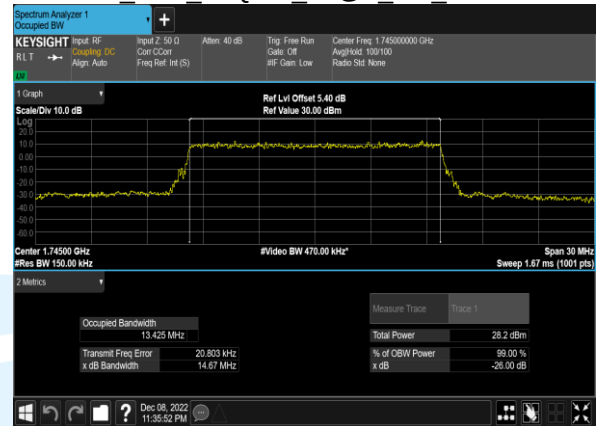
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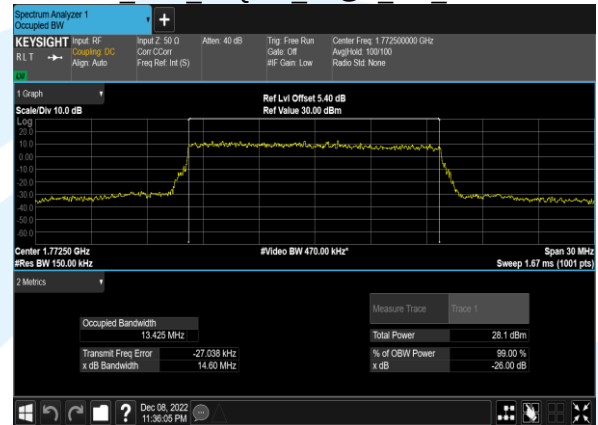
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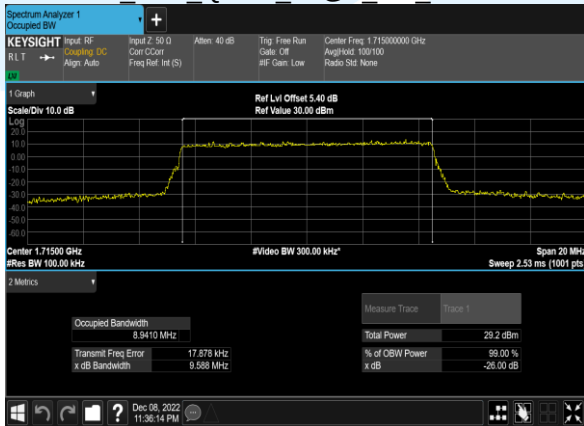
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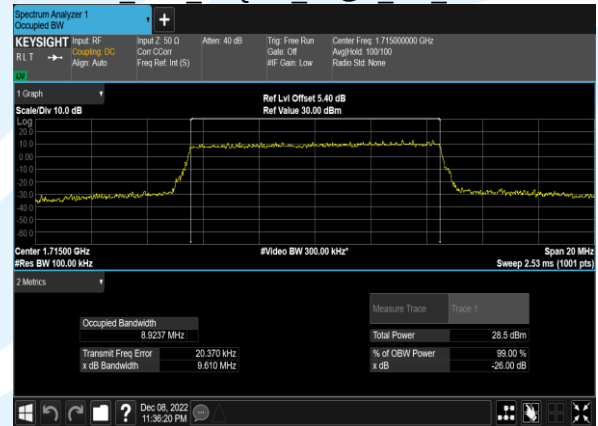
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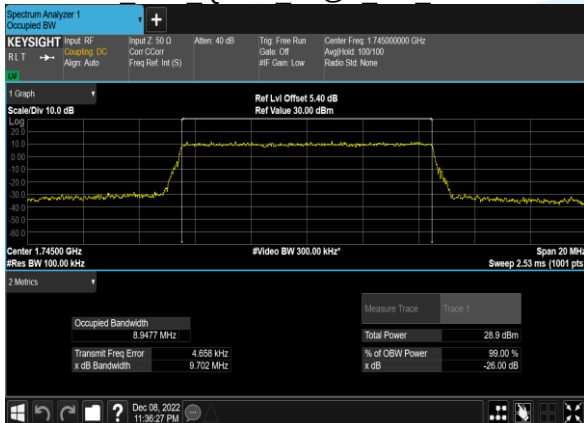
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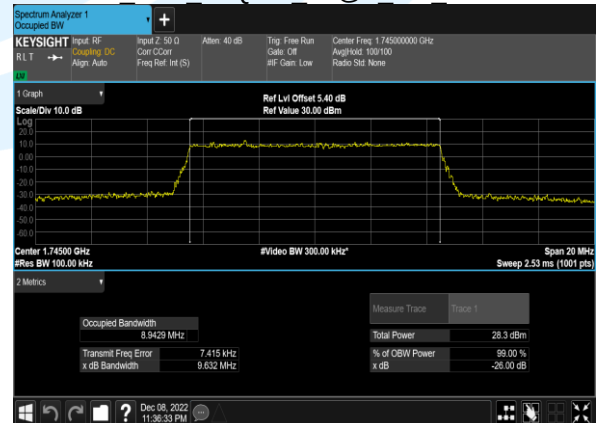
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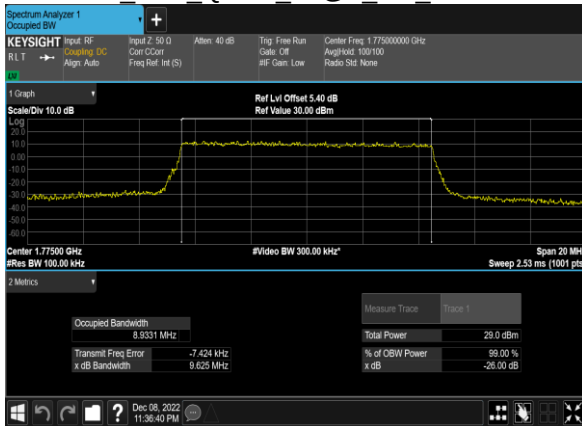
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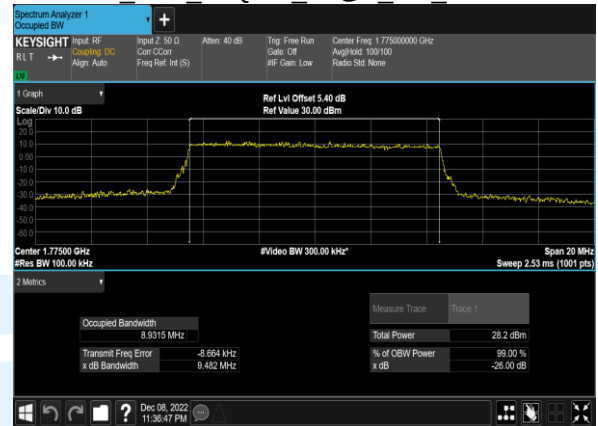
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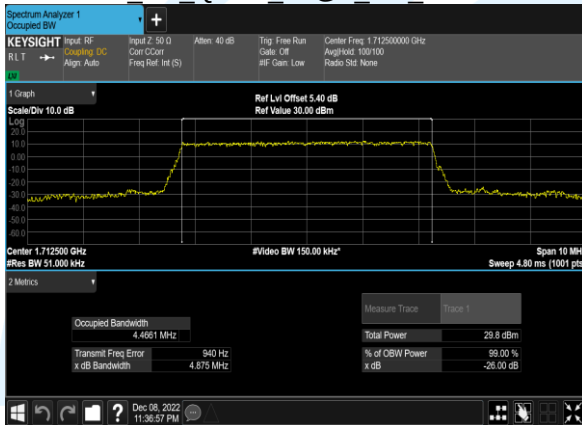
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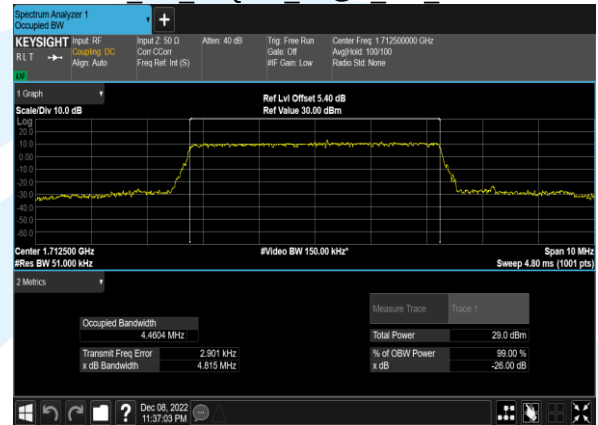
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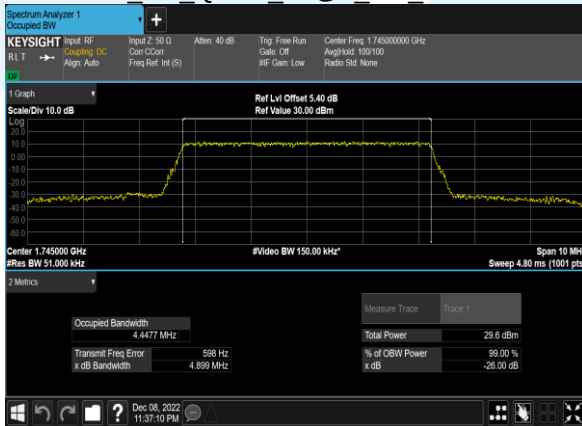
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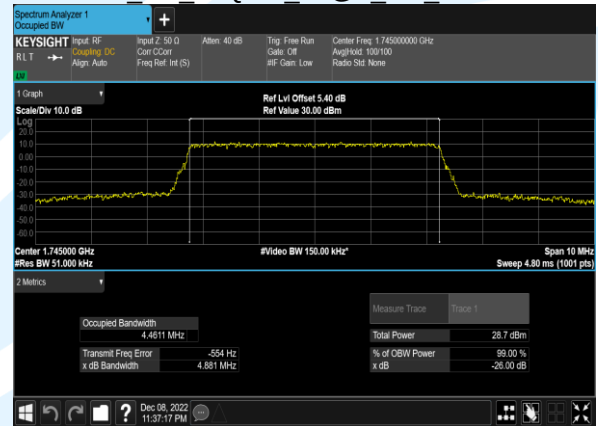
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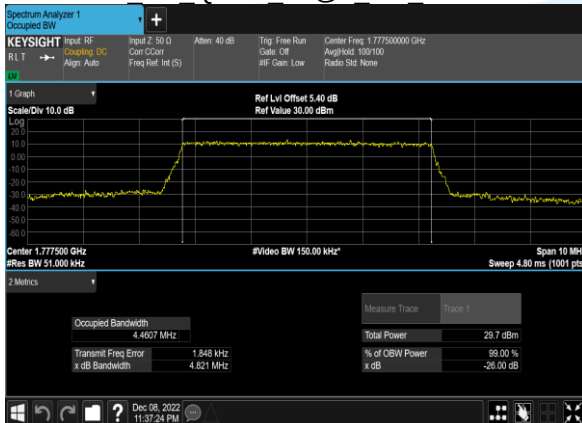
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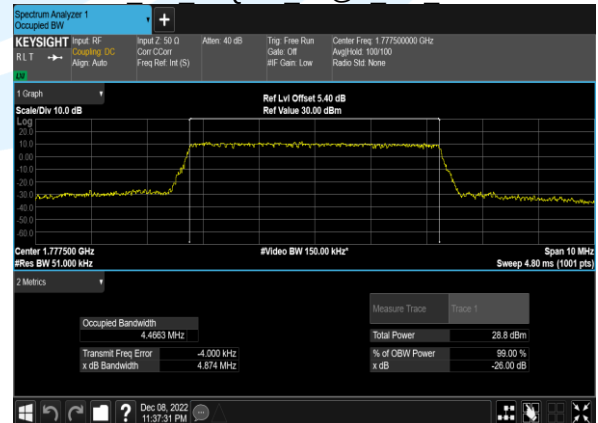
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B66 5M QPSK 25@0 CH 132647



B66 5M 16QAM 25@0 CH 132647



B66 3M QPSK 15@0 CH 131987



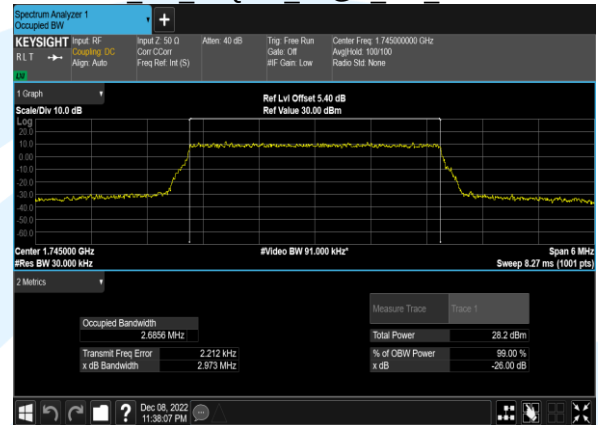
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B66 3M QPSK 15@0 CH 132322



B66 3M 16QAM 15@0 CH 132322



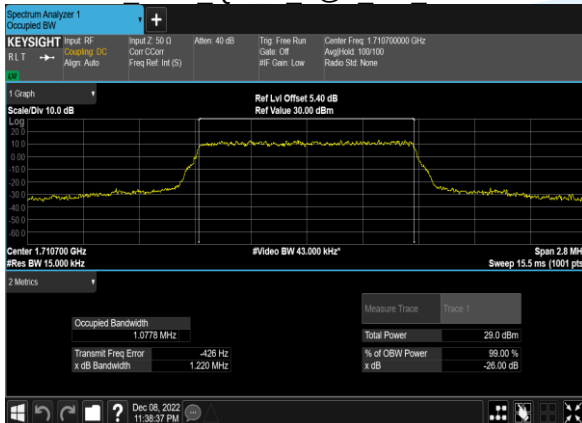
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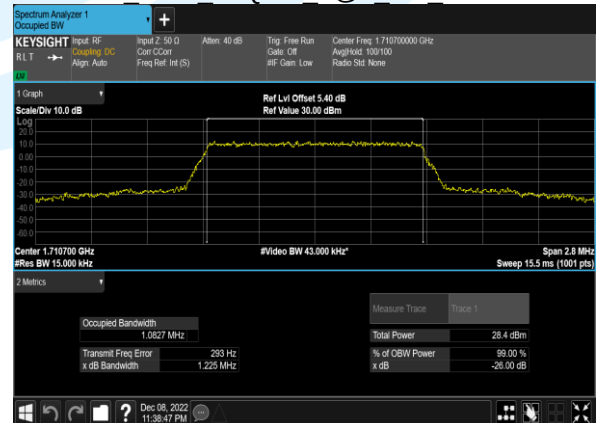
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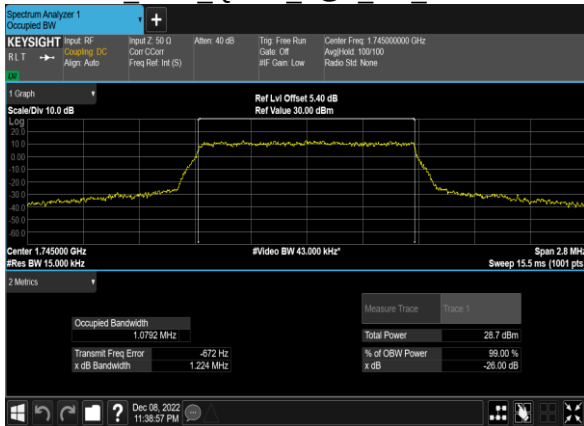
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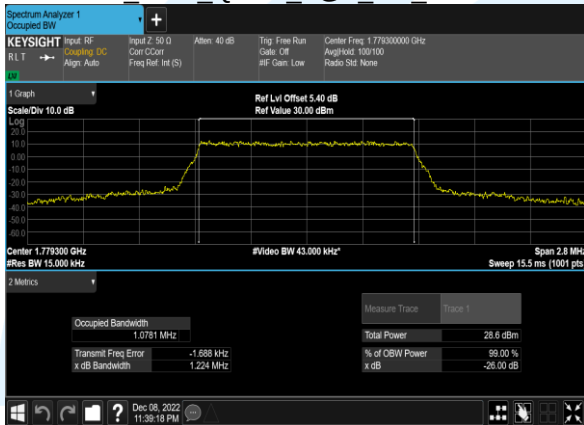
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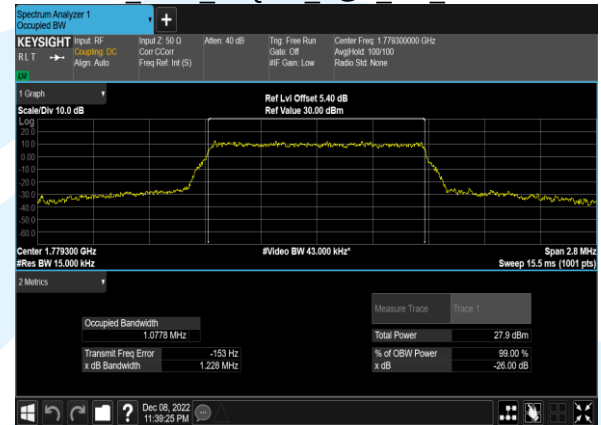
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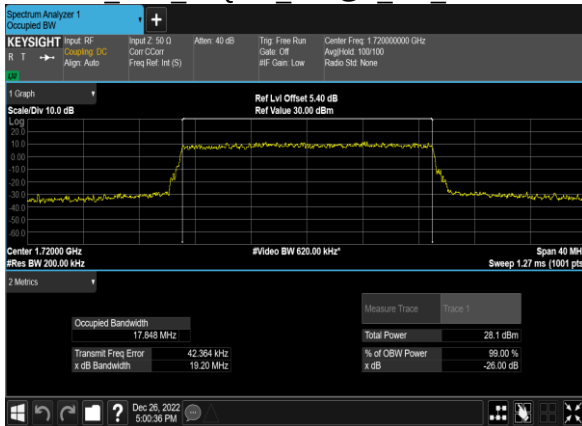
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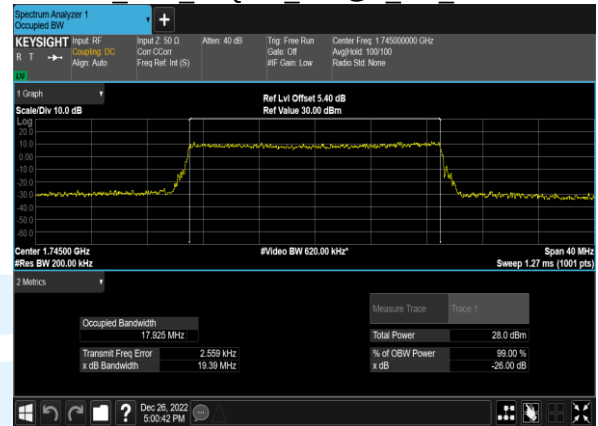
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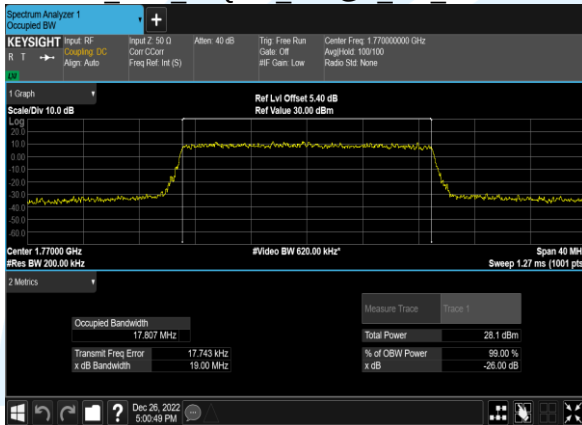
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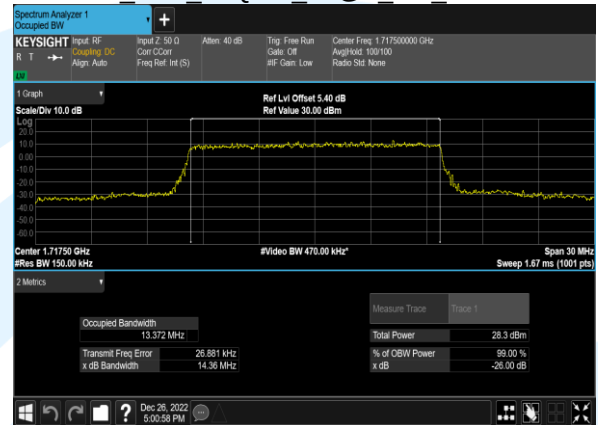
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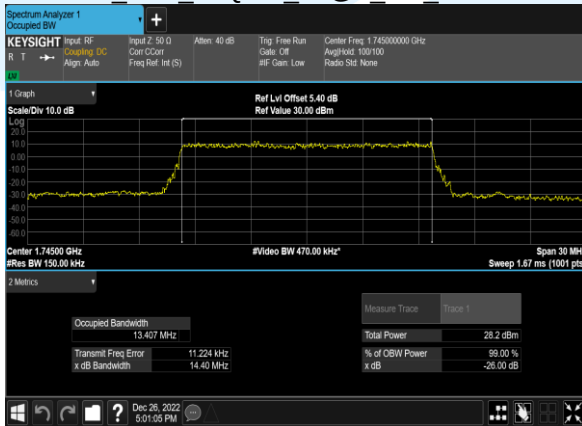
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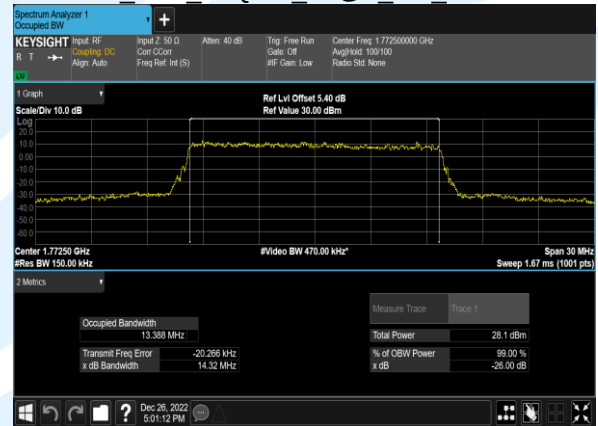
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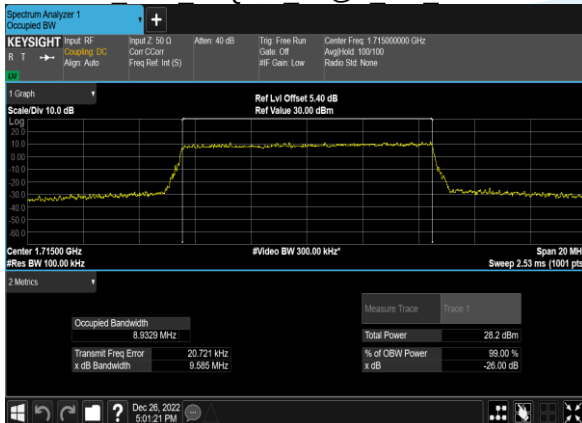
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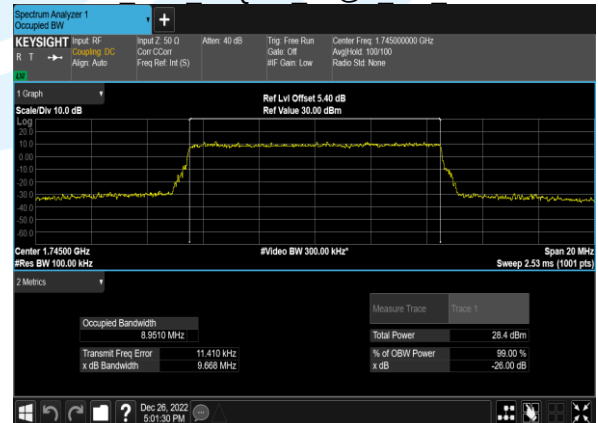
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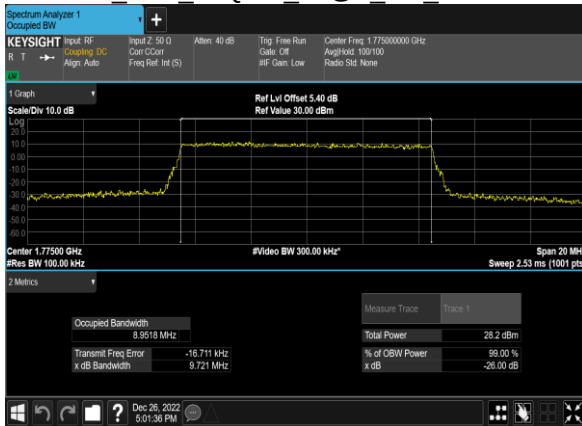


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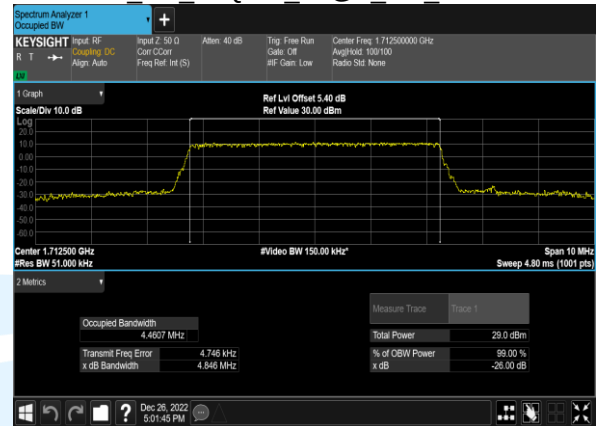




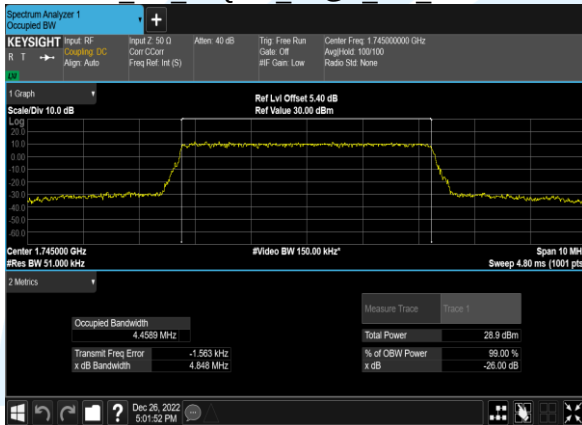
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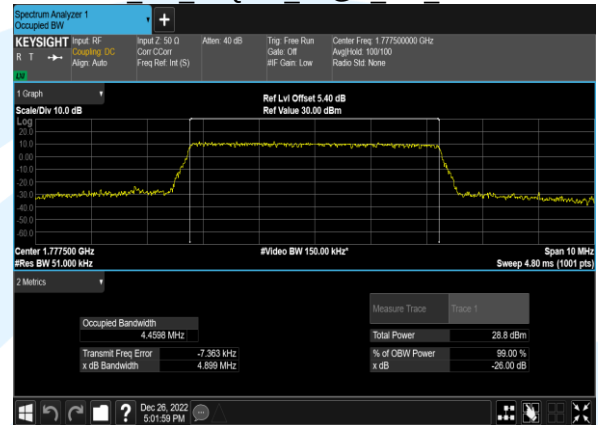
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B66 5M 64QAM 25@0 CH 132322



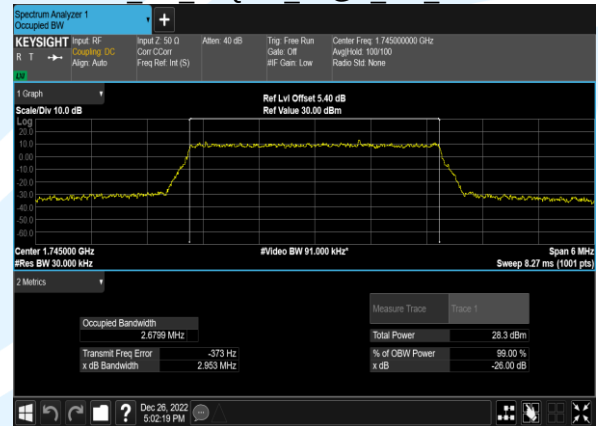
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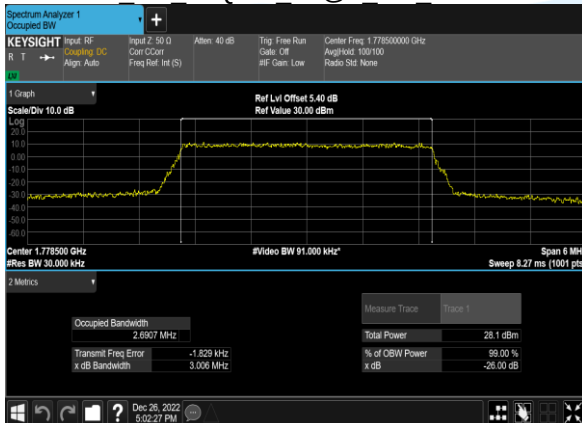
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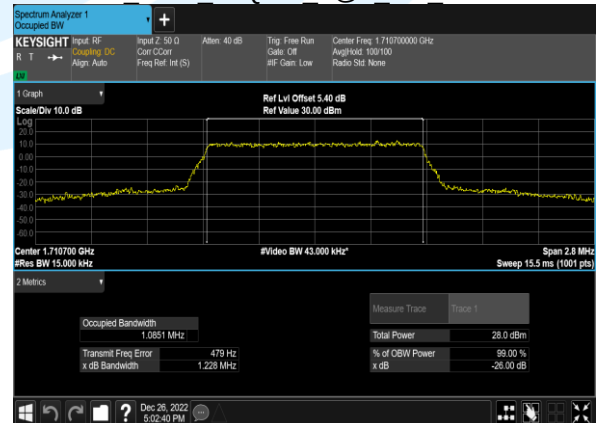
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B66 3M 64QAM 15@0 CH 132657

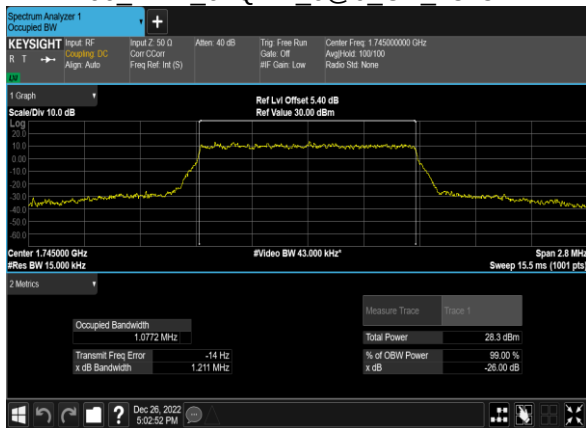


B66 1.4M 64QAM 6@0 CH 131979

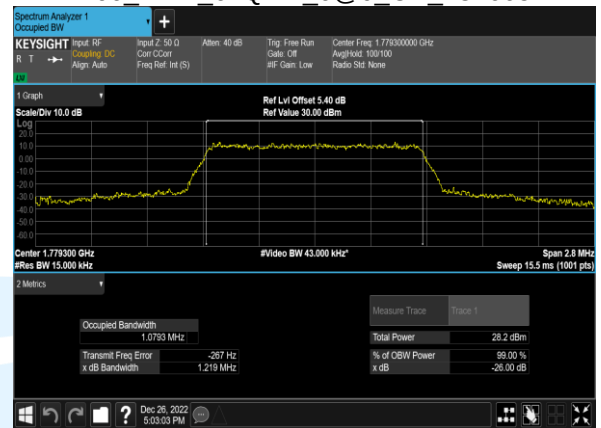




B66 1.4M 64QAM 6@0 CH 132322



B66 1.4M 64QAM 6@0 CH 132665



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UTTR-RF-FCC4G-V1.1

### Conducted Spurious Emissions

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB  | Result (dBm) | Limit (dBm) | Verdict |
|------|-----------------|---------|------------|------------|-----|--------------|-------------|---------|
| 66   | 20.0            | 132072  | 1720.0     | QPSK       | 1@0 | -29.51       | -13         | PASS    |
| 66   | 20.0            | 132072  | 1720.0     | 16QAM      | 1@0 | -29.63       | -13         | PASS    |
| 66   | 20.0            | 132072  | 1720.0     | 64QAM      | 1@0 | -29.82       | -13         | PASS    |
| 66   | 20.0            | 132322  | 1745.0     | QPSK       | 1@0 | -28.8        | -13         | PASS    |
| 66   | 20.0            | 132322  | 1745.0     | 16QAM      | 1@0 | -30.49       | -13         | PASS    |
| 66   | 20.0            | 132322  | 1745.0     | 64QAM      | 1@0 | -30.05       | -13         | PASS    |
| 66   | 20.0            | 132572  | 1770.0     | QPSK       | 1@0 | -30.33       | -13         | PASS    |
| 66   | 20.0            | 132572  | 1770.0     | 16QAM      | 1@0 | -31.28       | -13         | PASS    |
| 66   | 20.0            | 132572  | 1770.0     | 64QAM      | 1@0 | -31.74       | -13         | PASS    |
| 66   | 15.0            | 132047  | 1717.5     | QPSK       | 1@0 | -30.3        | -13         | PASS    |
| 66   | 15.0            | 132047  | 1717.5     | 16QAM      | 1@0 | -30.61       | -13         | PASS    |
| 66   | 15.0            | 132047  | 1717.5     | 64QAM      | 1@0 | -29.82       | -13         | PASS    |
| 66   | 15.0            | 132322  | 1745.0     | QPSK       | 1@0 | -29.77       | -13         | PASS    |
| 66   | 15.0            | 132322  | 1745.0     | 16QAM      | 1@0 | -30.24       | -13         | PASS    |
| 66   | 15.0            | 132322  | 1745.0     | 64QAM      | 1@0 | -30.05       | -13         | PASS    |
| 66   | 15.0            | 132597  | 1772.5     | QPSK       | 1@0 | -30.06       | -13         | PASS    |
| 66   | 15.0            | 132597  | 1772.5     | 16QAM      | 1@0 | -31.00       | -13         | PASS    |
| 66   | 15.0            | 132597  | 1772.5     | 64QAM      | 1@0 | -31.43       | -13         | PASS    |
| 66   | 10.0            | 132022  | 1715.0     | QPSK       | 1@0 | -30.01       | -13         | PASS    |
| 66   | 10.0            | 132022  | 1715.0     | 16QAM      | 1@0 | -30.01       | -13         | PASS    |
| 66   | 10.0            | 132022  | 1715.0     | 64QAM      | 1@0 | -29.81       | -13         | PASS    |
| 66   | 10.0            | 132322  | 1745.0     | QPSK       | 1@0 | -30.0        | -13         | PASS    |
| 66   | 10.0            | 132322  | 1745.0     | 16QAM      | 1@0 | -29.68       | -13         | PASS    |
| 66   | 10.0            | 132322  | 1745.0     | 64QAM      | 1@0 | -30.19       | -13         | PASS    |
| 66   | 10.0            | 132622  | 1775.0     | QPSK       | 1@0 | -29.65       | -13         | PASS    |
| 66   | 10.0            | 132622  | 1775.0     | 16QAM      | 1@0 | -29.77       | -13         | PASS    |
| 66   | 10.0            | 132622  | 1775.0     | 64QAM      | 1@0 | -29.92       | -13         | PASS    |
| 66   | 5.0             | 131997  | 1712.5     | QPSK       | 1@0 | -29.64       | -13         | PASS    |
| 66   | 5.0             | 131997  | 1712.5     | 16QAM      | 1@0 | -29.7        | -13         | PASS    |
| 66   | 5.0             | 131997  | 1712.5     | 64QAM      | 1@0 | -29.31       | -13         | PASS    |
| 66   | 5.0             | 132322  | 1745.0     | QPSK       | 1@0 | -29.68       | -13         | PASS    |
| 66   | 5.0             | 132322  | 1745.0     | 16QAM      | 1@0 | -30.08       | -13         | PASS    |
| 66   | 5.0             | 132322  | 1745.0     | 64QAM      | 1@0 | -30.52       | -13         | PASS    |
| 66   | 5.0             | 132647  | 1777.5     | QPSK       | 1@0 | -29.77       | -13         | PASS    |
| 66   | 5.0             | 132647  | 1777.5     | 16QAM      | 1@0 | -29.86       | -13         | PASS    |
| 66   | 5.0             | 132647  | 1777.5     | 64QAM      | 1@0 | -30.03       | -13         | PASS    |
| 66   | 3.0             | 131987  | 1711.5     | QPSK       | 1@0 | -30.06       | -13         | PASS    |
| 66   | 3.0             | 131987  | 1711.5     | 16QAM      | 1@0 | -29.5        | -13         | PASS    |
| 66   | 3.0             | 131987  | 1711.5     | 64QAM      | 1@0 | -29.66       | -13         | PASS    |
| 66   | 3.0             | 132322  | 1745.0     | QPSK       | 1@0 | -29.51       | -13         | PASS    |
| 66   | 3.0             | 132322  | 1745.0     | 16QAM      | 1@0 | -29.05       | -13         | PASS    |
| 66   | 3.0             | 132322  | 1745.0     | 64QAM      | 1@0 | -29.65       | -13         | PASS    |
| 66   | 3.0             | 132657  | 1778.5     | QPSK       | 1@0 | -29.71       | -13         | PASS    |
| 66   | 3.0             | 132657  | 1778.5     | 16QAM      | 1@0 | -30.07       | -13         | PASS    |
| 66   | 3.0             | 132657  | 1778.5     | 64QAM      | 1@0 | -30.38       | -13         | PASS    |
| 66   | 1.4             | 131979  | 1710.7     | QPSK       | 1@0 | -29.41       | -13         | PASS    |
| 66   | 1.4             | 131979  | 1710.7     | 16QAM      | 1@0 | -29.74       | -13         | PASS    |
| 66   | 1.4             | 131979  | 1710.7     | 64QAM      | 1@0 | -29.84       | -13         | PASS    |
| 66   | 1.4             | 132322  | 1745.0     | 64QAM      | 1@0 | -30.53       | -13         | PASS    |
| 66   | 1.4             | 132322  | 1745.0     | 16QAM      | 1@0 | -30.14       | -13         | PASS    |
| 66   | 1.4             | 132322  | 1745.0     | 64QAM      | 1@0 | -30.53       | -13         | PASS    |
| 66   | 1.4             | 132665  | 1779.3     | QPSK       | 1@0 | -30.04       | -13         | PASS    |
| 66   | 1.4             | 132665  | 1779.3     | 16QAM      | 1@0 | -29.74       | -13         | PASS    |
| 66   | 1.4             | 132665  | 1779.3     | 64QAM      | 1@0 | -30.11       | -13         | PASS    |

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B66 20M 16QAM 1@0 CH 132072



B66 20M QPSK 1@0 CH 132322



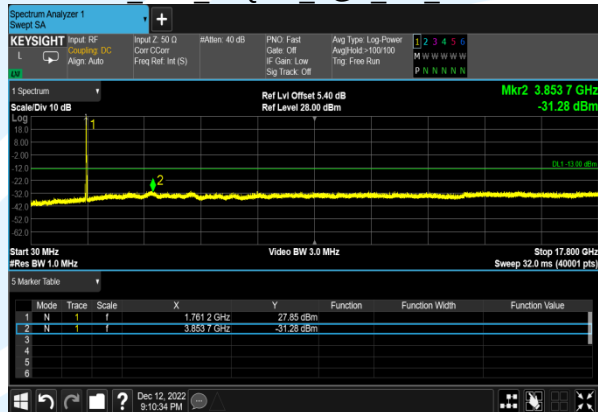
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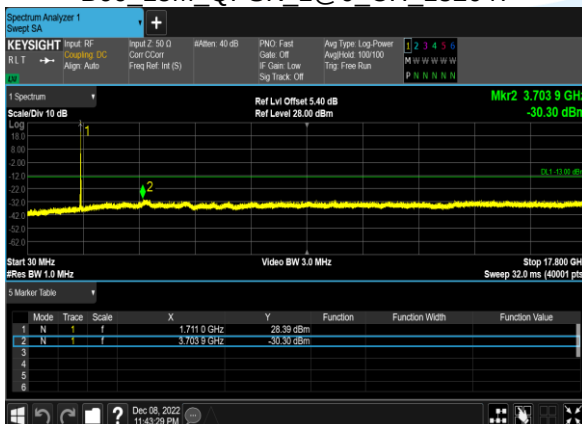
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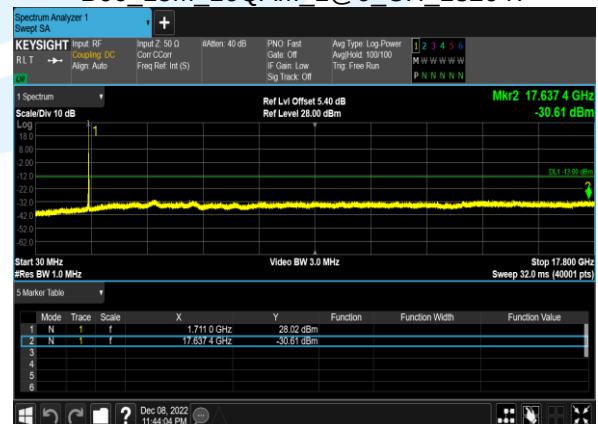
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B66 15M QPSK 1@0 CH 132047



B66 15M 16QAM 1@0 CH 132047



B66 15M QPSK 1@0 CH 132322



B66 15M 16QAM 1@0 CH 132322



B66 15M QPSK 1@0 CH 132597



B66 15M 16QAM 1@0 CH 132597



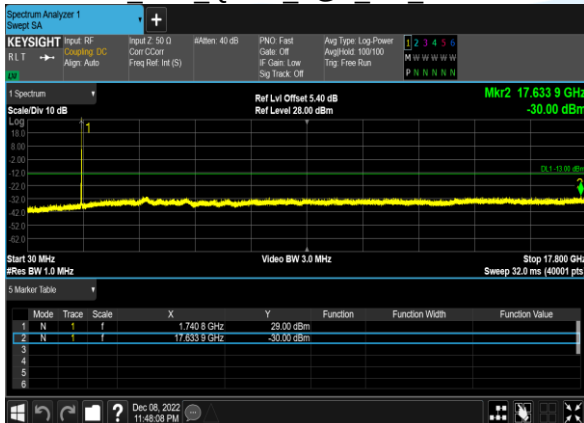
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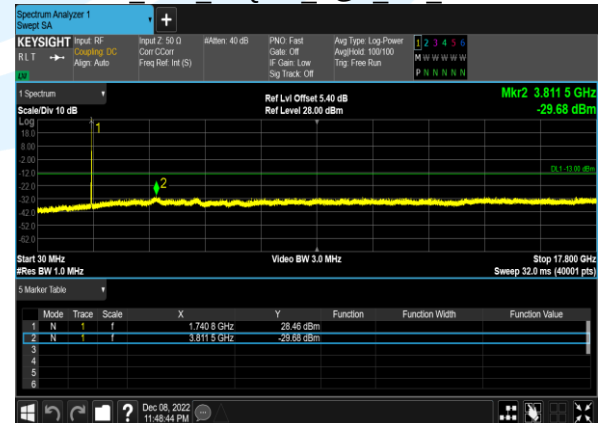
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B66 10M QPSK 1@0 CH 132322



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B66 10M 16QAM 1@0 CH 132622



B66 5M QPSK 1@0 CH 131997



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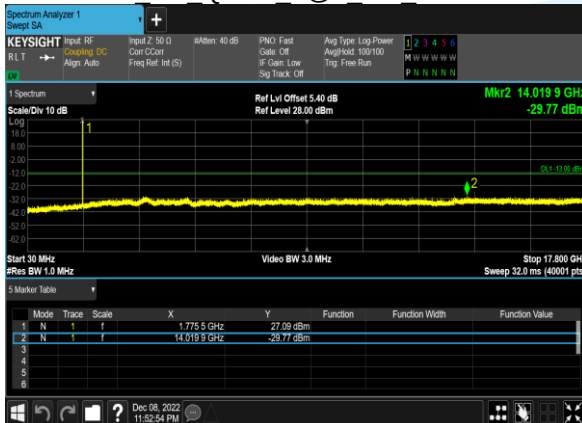
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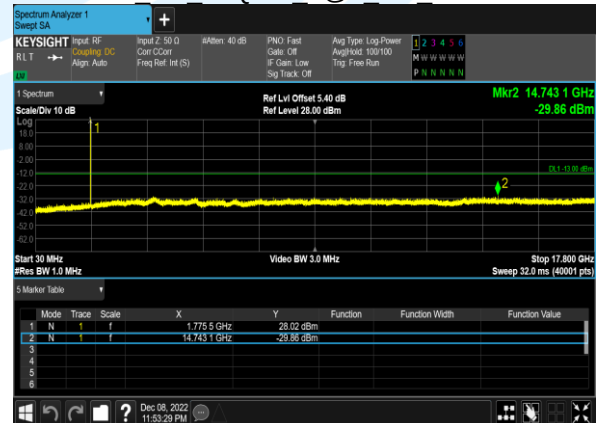
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B66 5M QPSK 1@0 CH 132647



B66 5M 16QAM 1@0 CH 132647



B66 3M QPSK 1@0 CH 131987



B66 3M 16QAM 1@0 CH 131987



B66 3M QPSK 1@0 CH 132322



B66 3M 16QAM 1@0 CH 132322



B66 3M QPSK 1@0 CH 132657



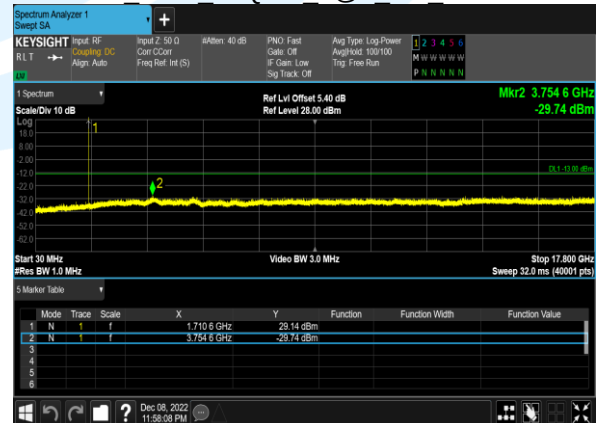
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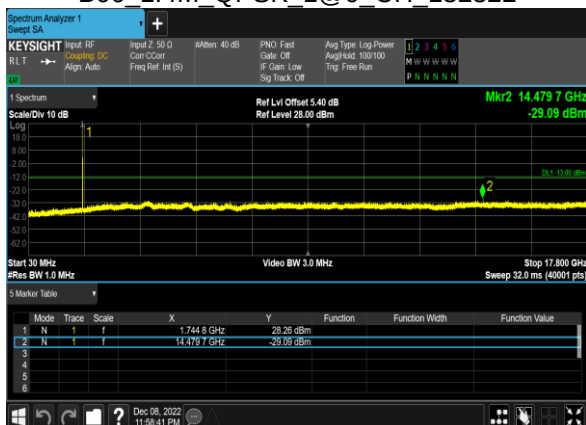
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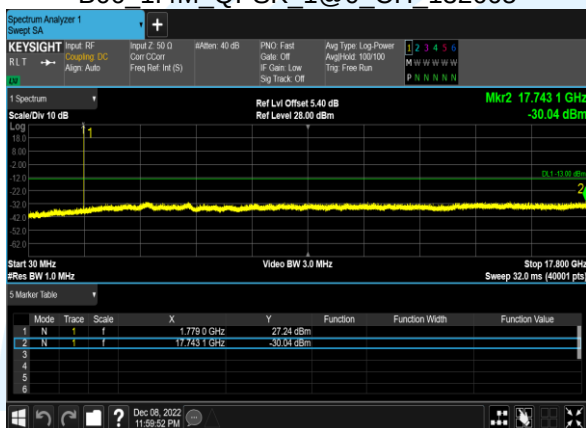
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B66 1.4M 16QAM 1@0 CH 132322



B66 1.4M QPSK 1@0 CH 132665



B66 1.4M 16QAM 1@0 CH 132665

