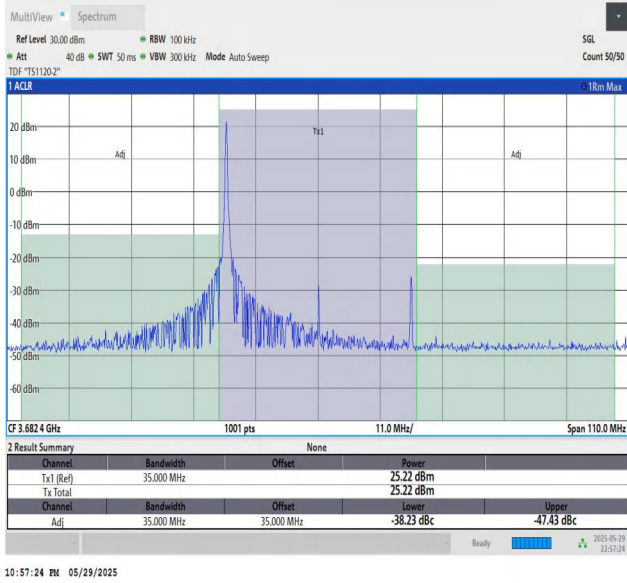
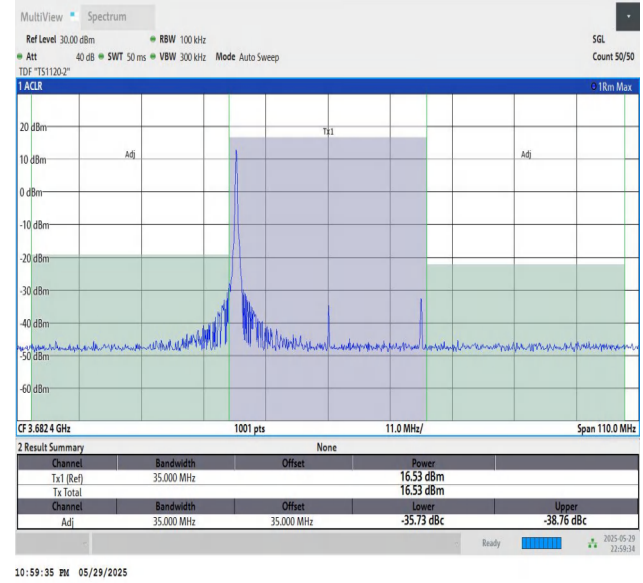
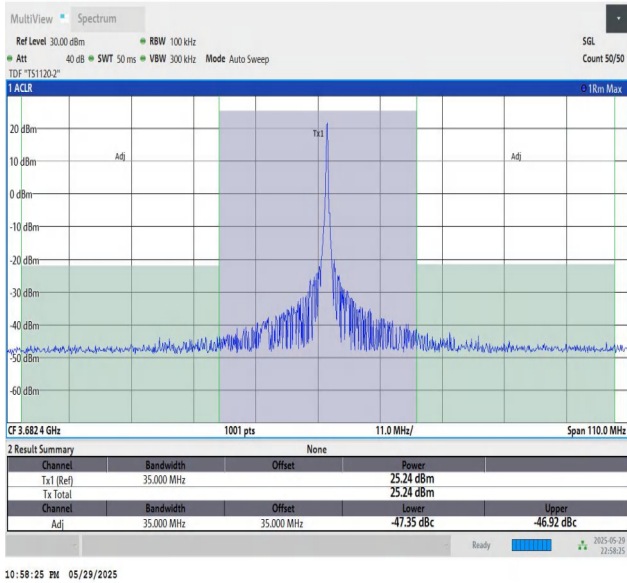




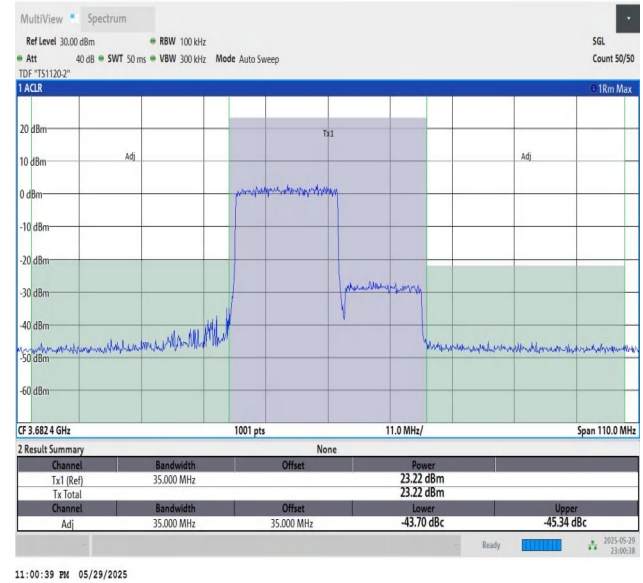
48-48-20MHz-15MHz-64QAM-64QAM-56491-56662-1RB#0-0R  
B#75-PASS



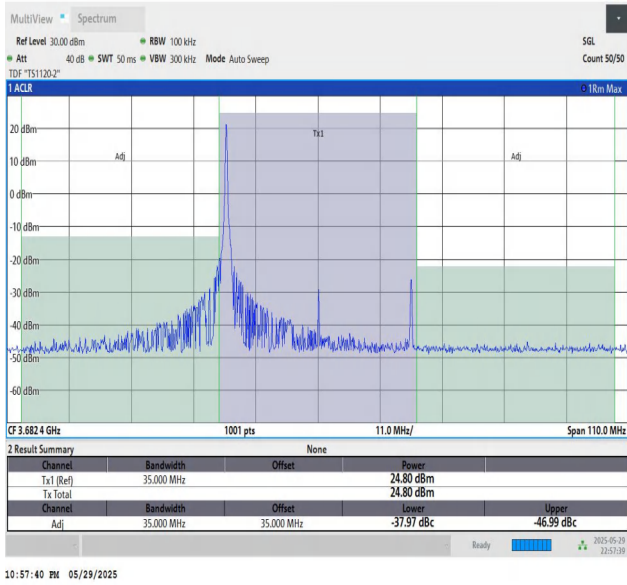
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4-PASS



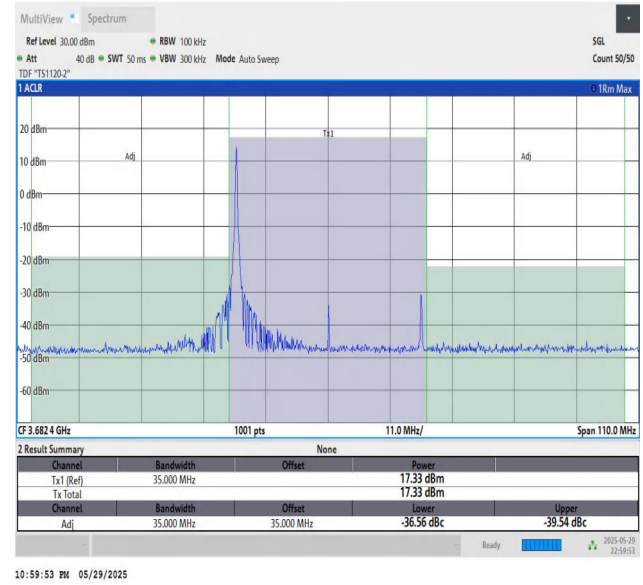
48-48-20MHz-15MHz-64QAM-64QAM-56491-56662-1RB#99-0  
RB#0-PASS



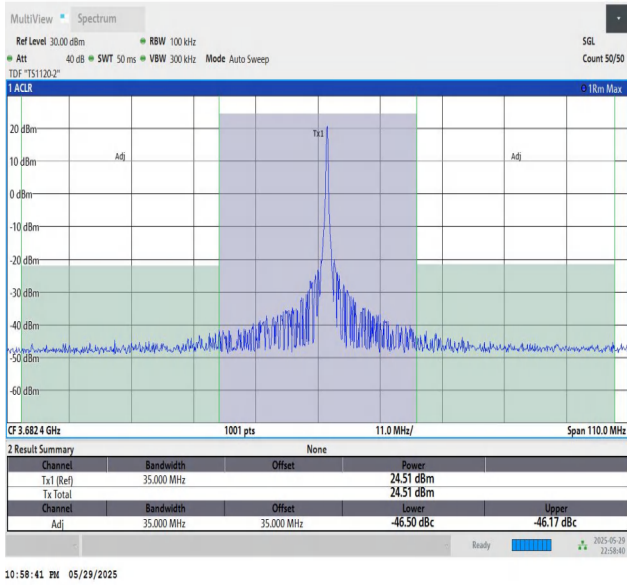
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B#0-PASS



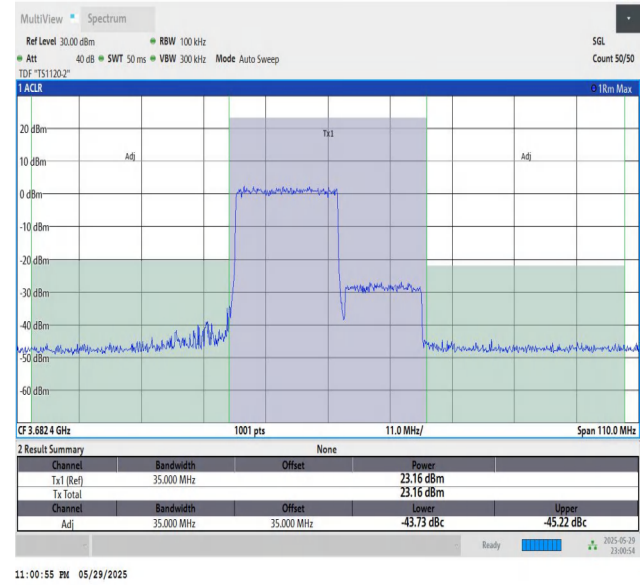
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RB#75-PASS



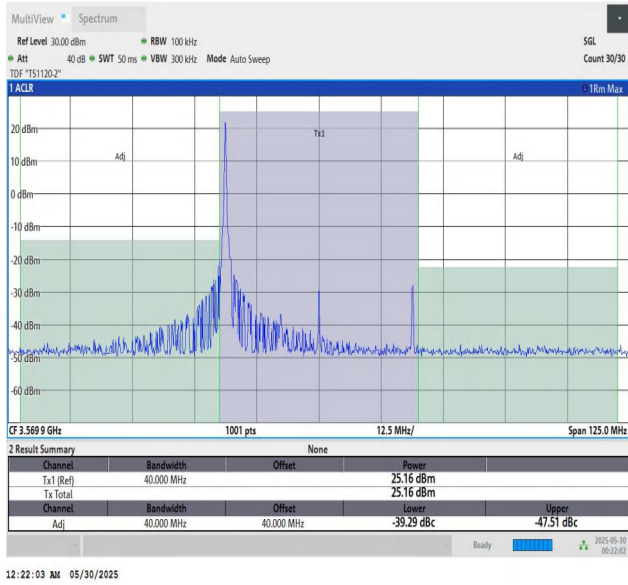
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#74-PASS



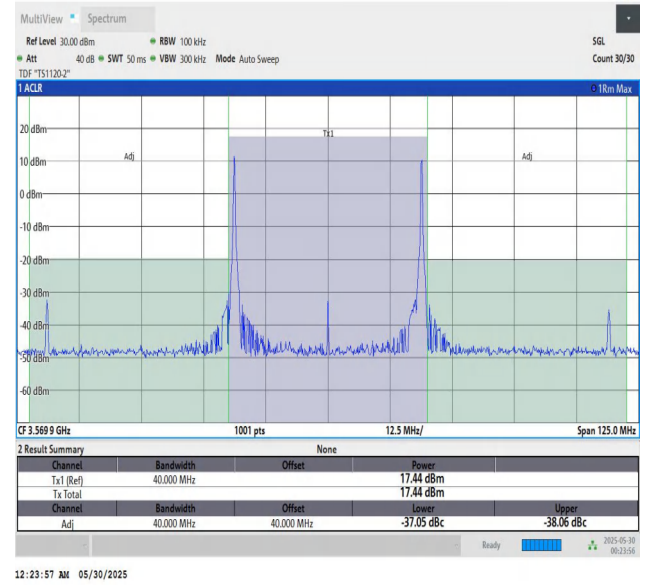
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0RB#0-PASS



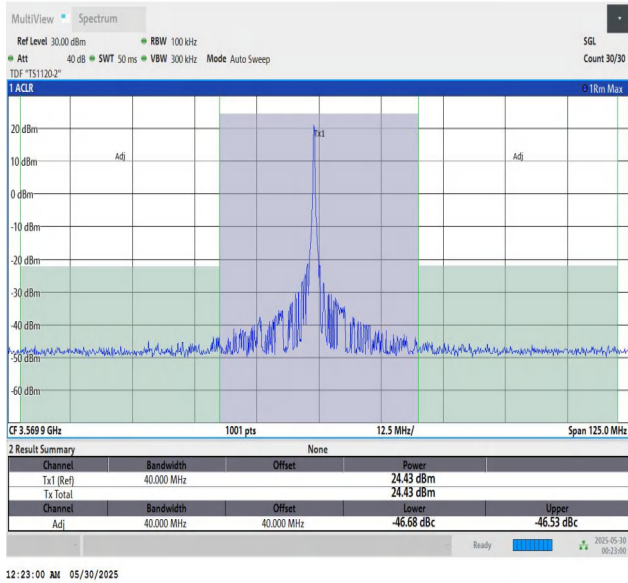
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5RB#0-PASS



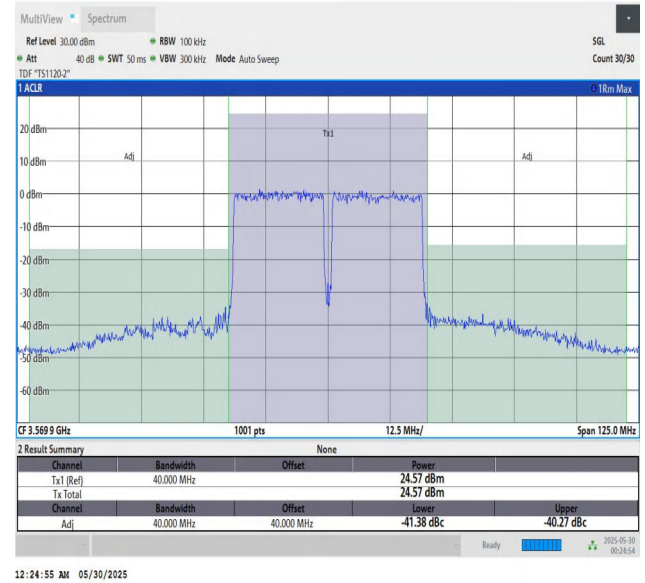
48-48-20MHz-20MHz-QPSK-QPSK-55340-55538-1RB#0-0RB#0-PASS



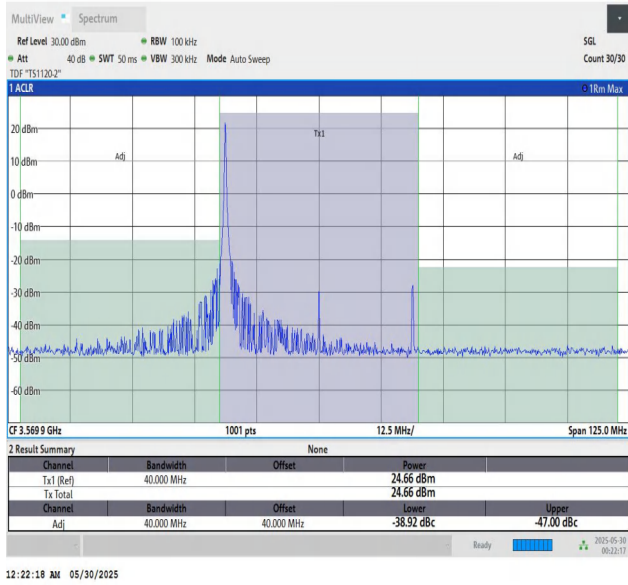
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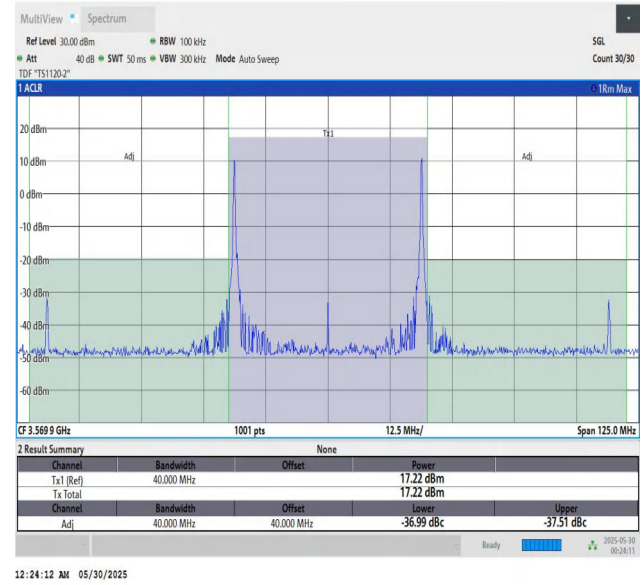
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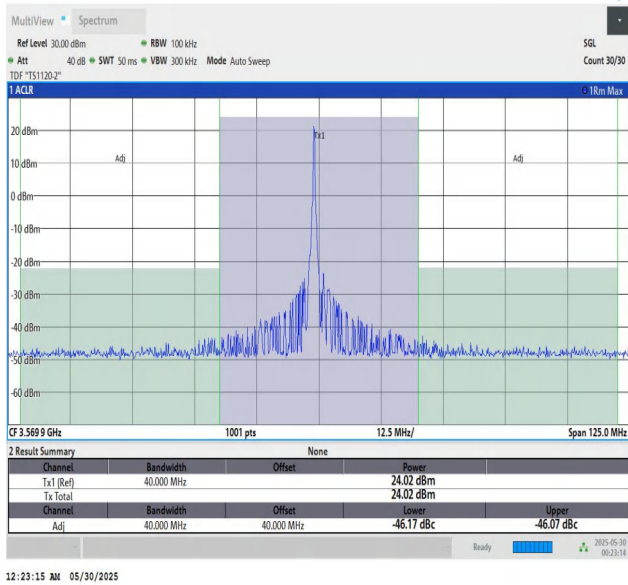
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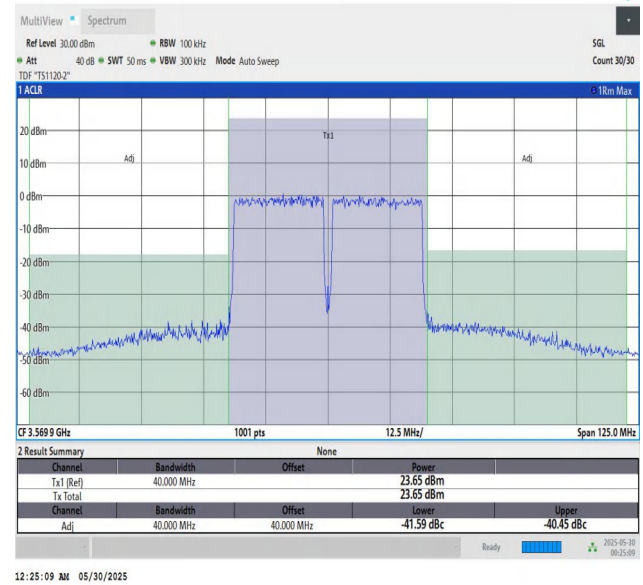
48-48-20MHz-20MHz-16QAM-16QAM-55340-55538-1RB#0-0R  
B#0-PASS



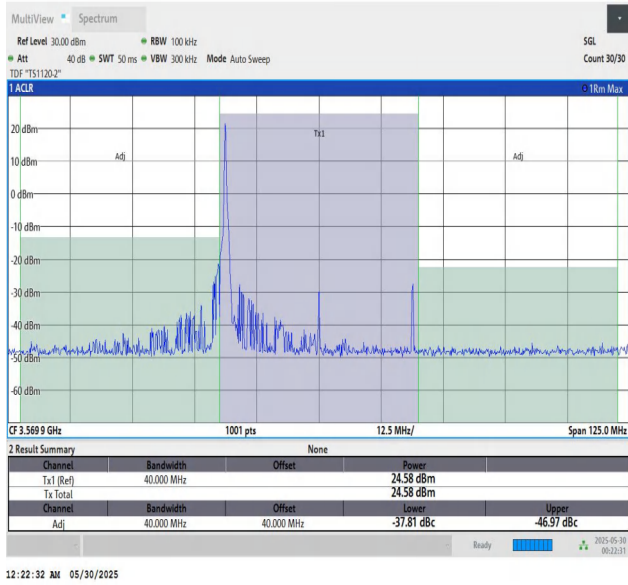
48-48-20MHz-20MHz-16QAM-16QAM-55340-55538-1RB#0-1RB#9  
9-PASS



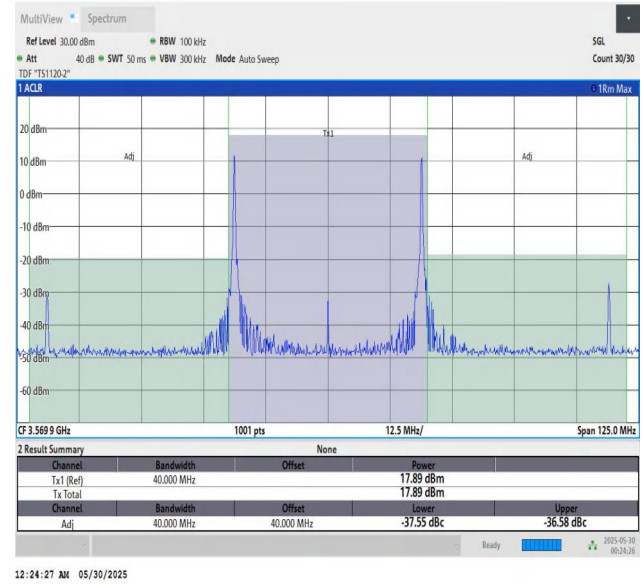
48-48-20MHz-20MHz-16QAM-16QAM-55340-55538-1RB#99-0  
RB#0-PASS



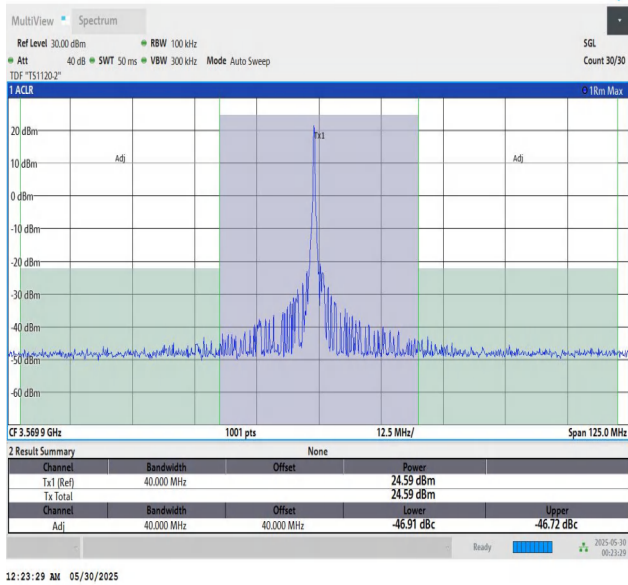
48-48-20MHz-20MHz-16QAM-16QAM-55340-55538-100RB#0-100  
RB#0-PASS



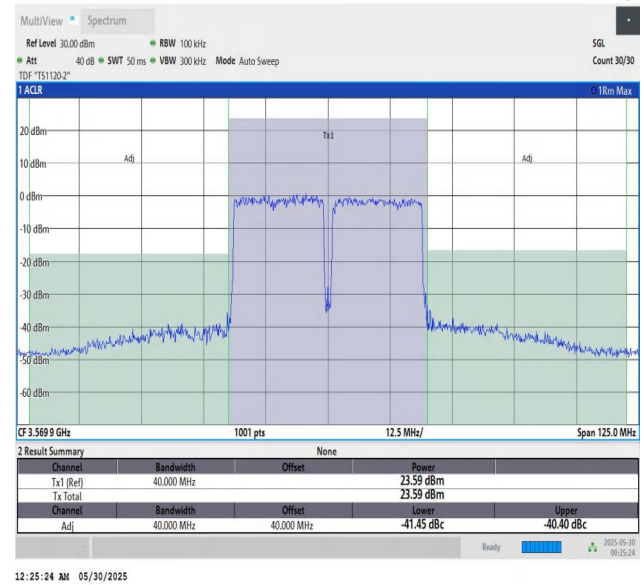
48-48-20MHz-20MHz-64QAM-64QAM-55340-55538-1RB#0-0R  
B#0-PASS



48-48-20MHz-20MHz-64QAM-64QAM-55340-55538-1RB#0-1RB#9  
9-PASS

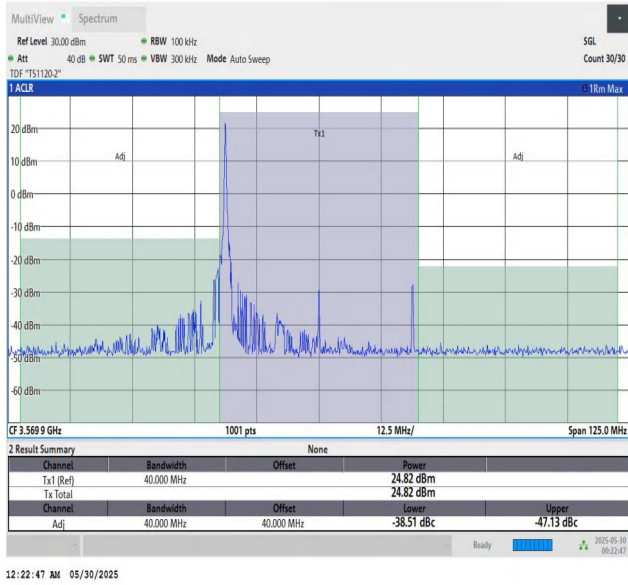


48-48-20MHz-20MHz-64QAM-64QAM-55340-55538-1RB#99-0  
RB#0-PASS

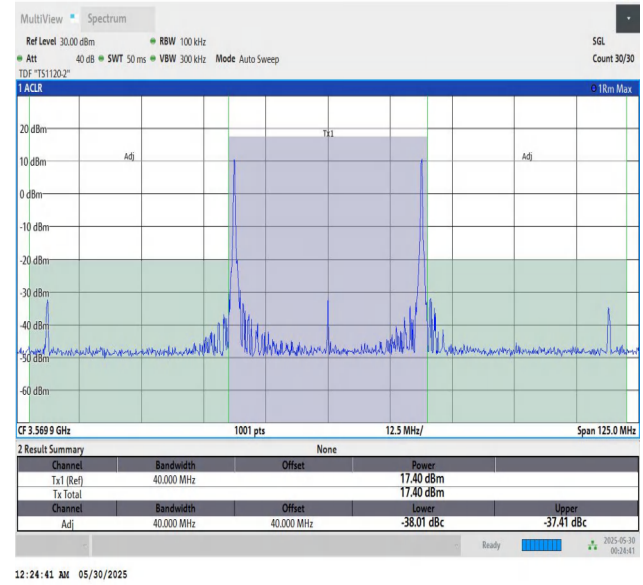


48-48-20MHz-20MHz-64QAM-64QAM-55340-55538-100RB#0-100  
RB#0-PASS

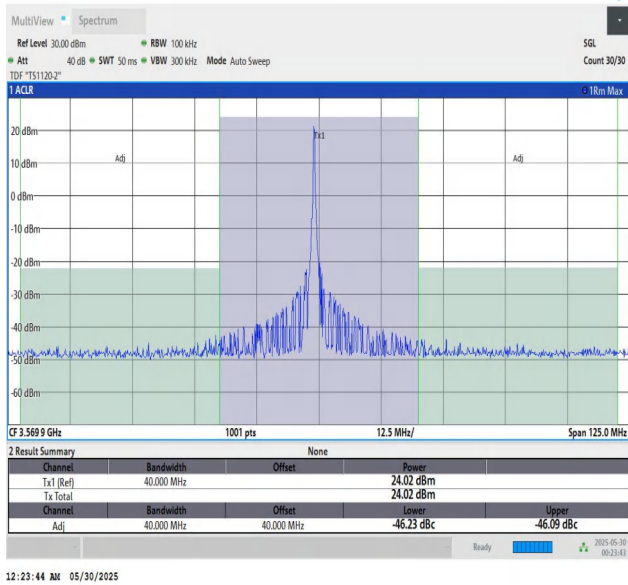




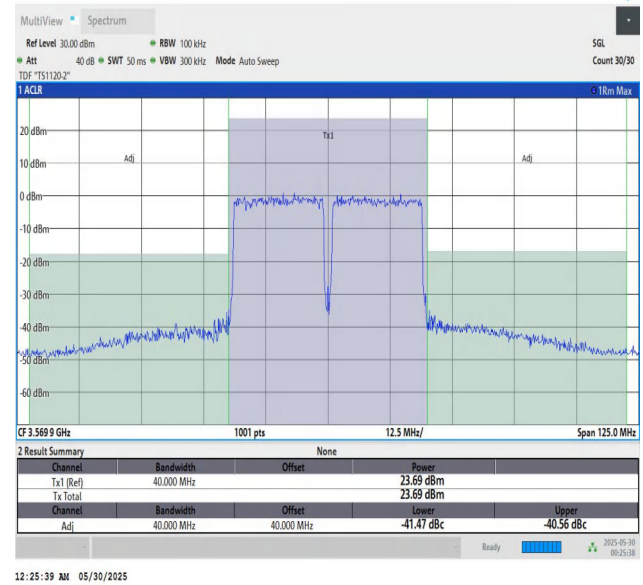
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RB#0-PASS



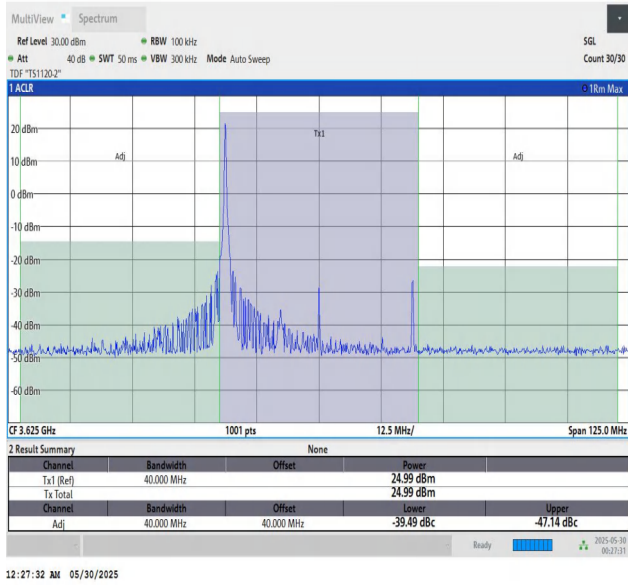
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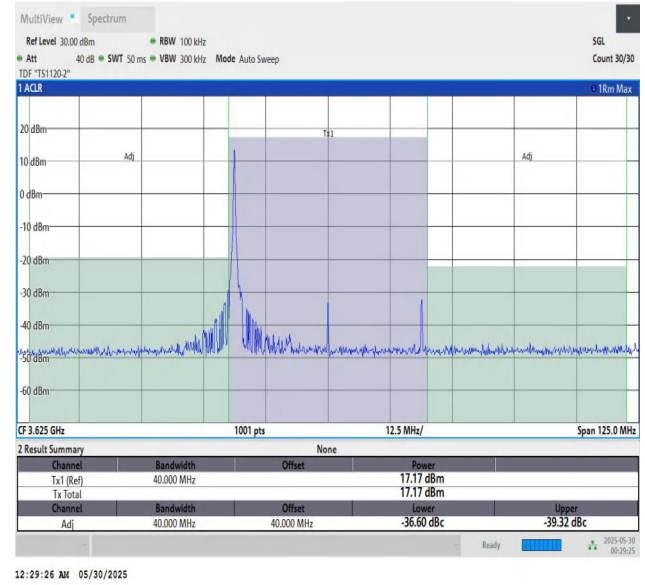
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0RB#0-PASS



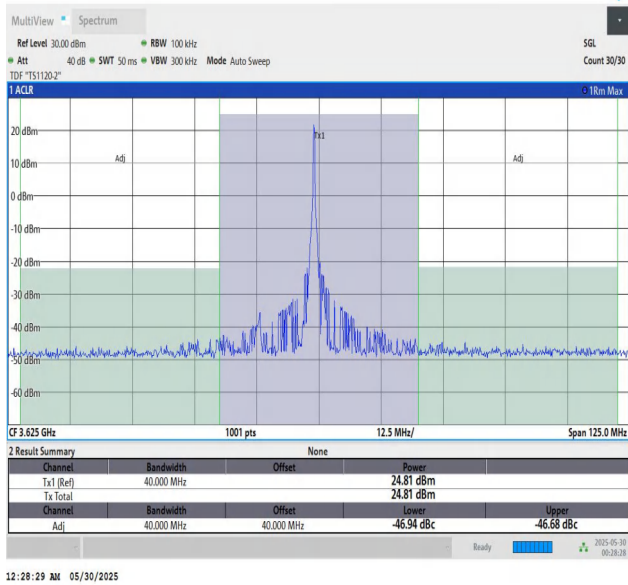
48-48-20MHz-20MHz-256QAM-256QAM-55340-55538-100RB#0-1  
00RB#0-PASS



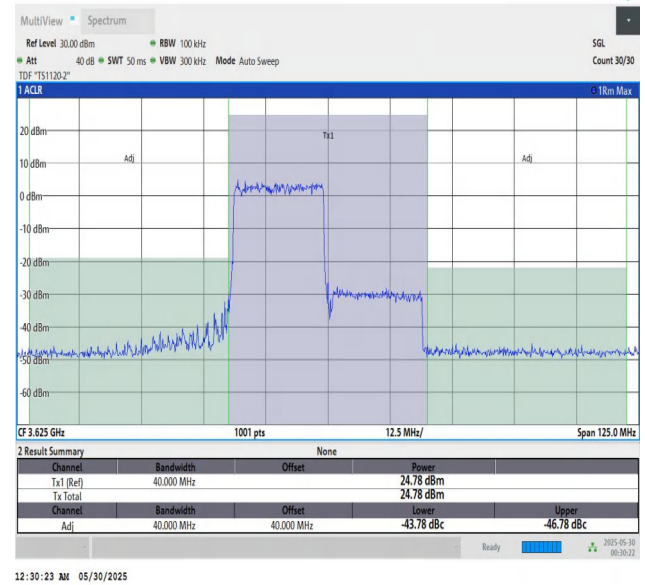
48-48-20MHz-20MHz-QPSK-QPSK-55891-56089-1RB#0-0RB#  
0-PASS



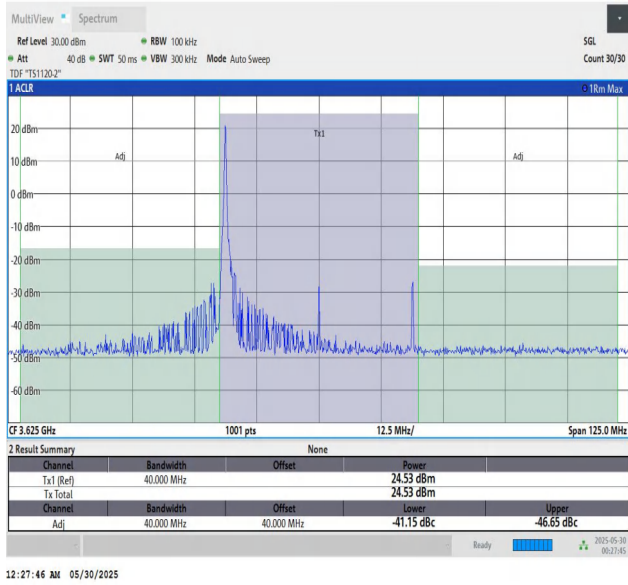
48-48-20MHz-20MHz-QPSK-QPSK-55891-56089-1RB#0-1RB#99-  
PASS



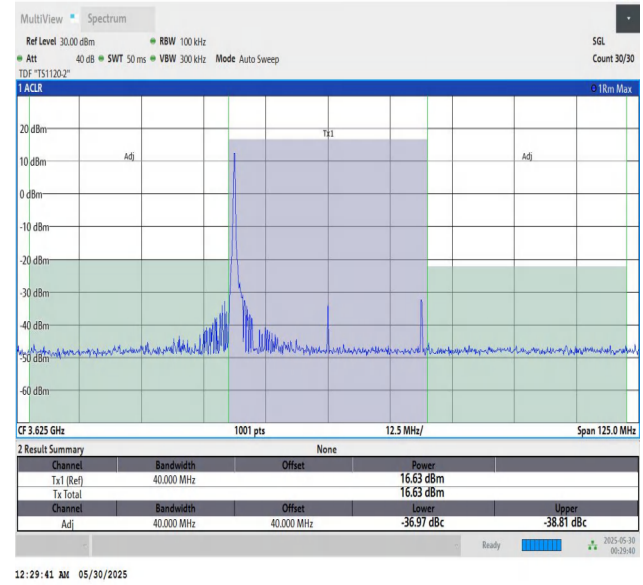
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#0-PASS



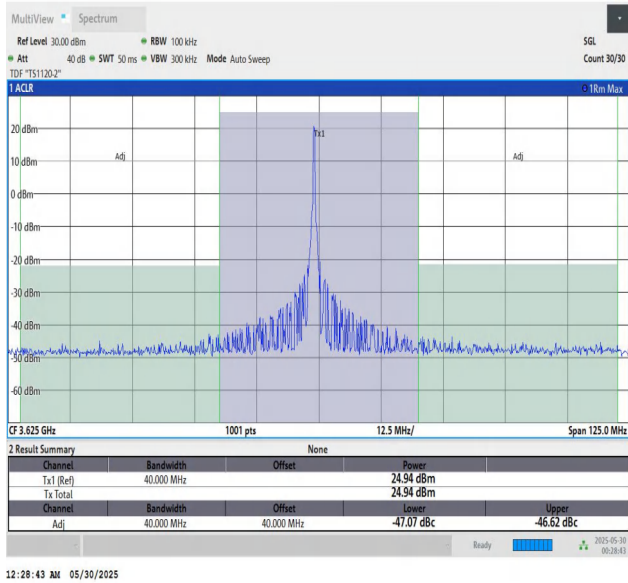
48-48-20MHz-20MHz-QPSK-QPSK-55891-56089-100RB#0-100RB  
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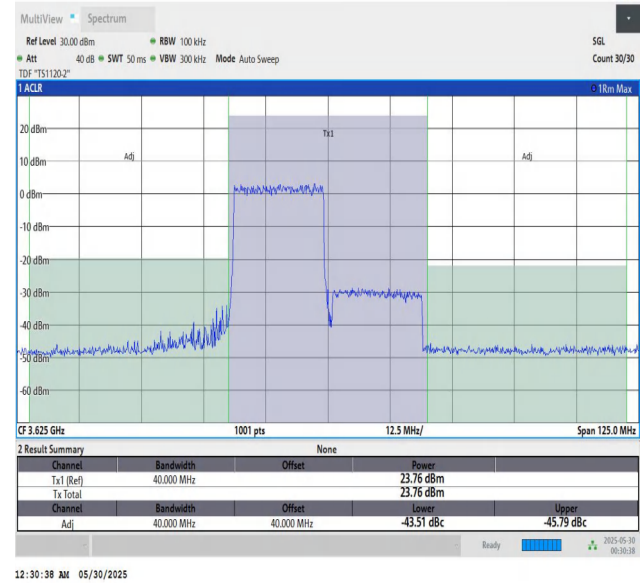
48-48-20MHz-20MHz-16QAM-16QAM-55891-56089-1RB#0-0R  
B#0-PASS



48-48-20MHz-20MHz-16QAM-16QAM-55891-56089-1RB#0-1RB#9  
9-PASS

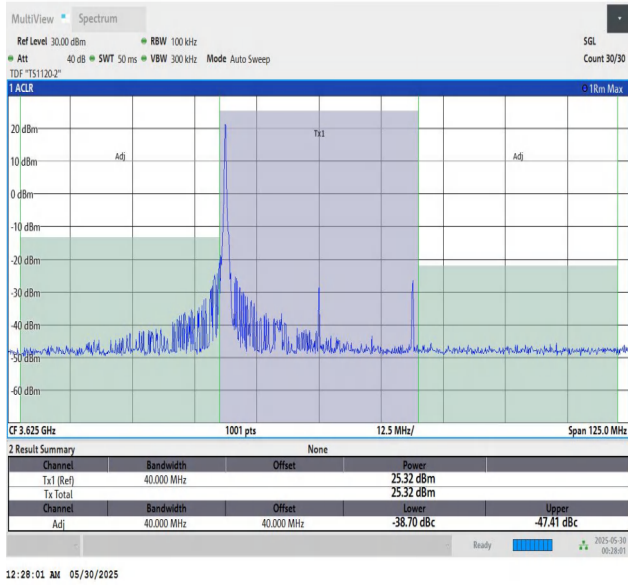


48-48-20MHz-20MHz-16QAM-16QAM-55891-56089-1RB#99-0  
RB#0-PASS

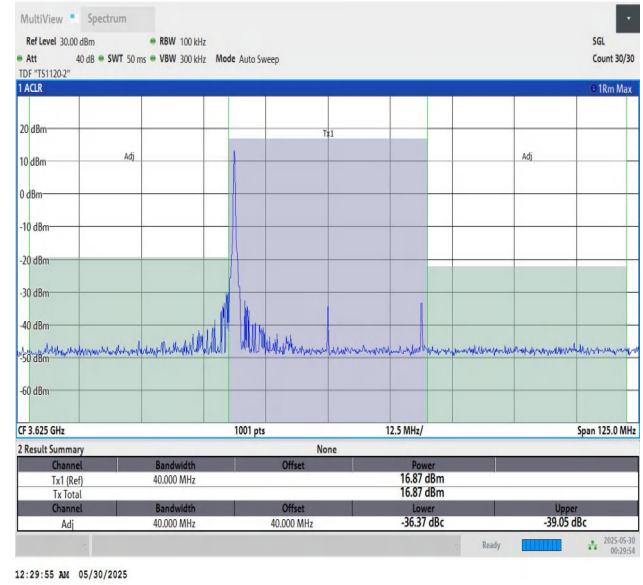


48-48-20MHz-20MHz-16QAM-16QAM-55891-56089-100RB#0-100  
RB#0-PASS

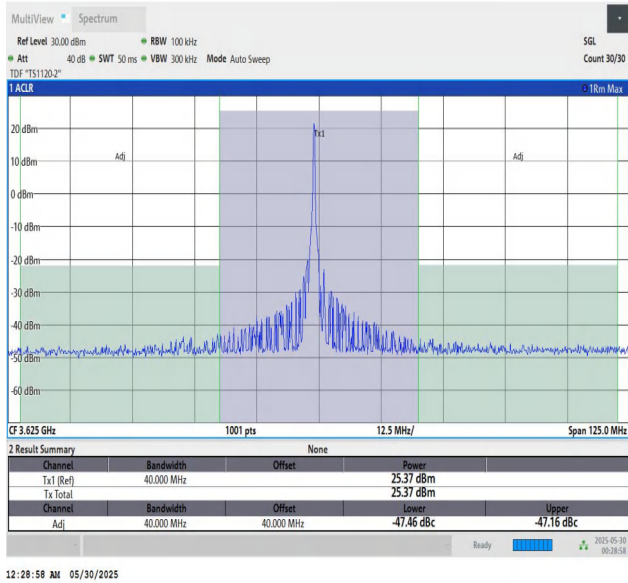




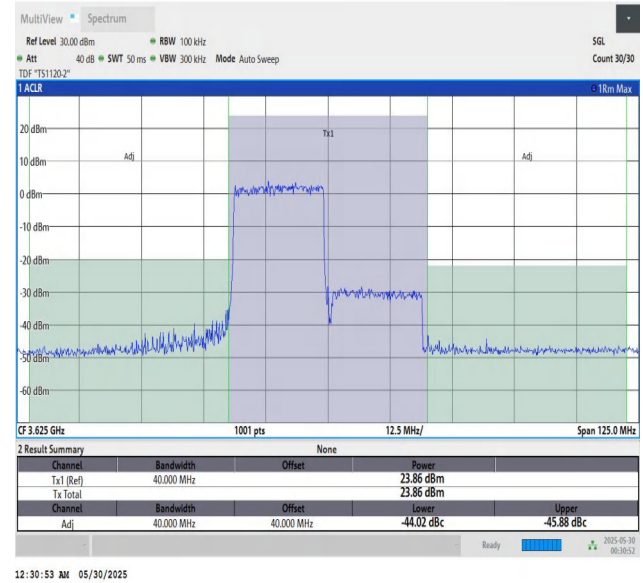
48-48-20MHz-20MHz-64QAM-64QAM-55891-56089-1RB#0-0R  
B#0-PASS



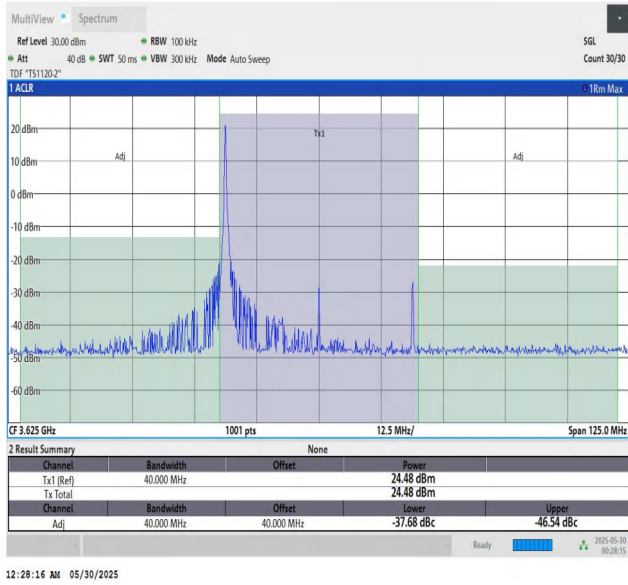
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9-PASS



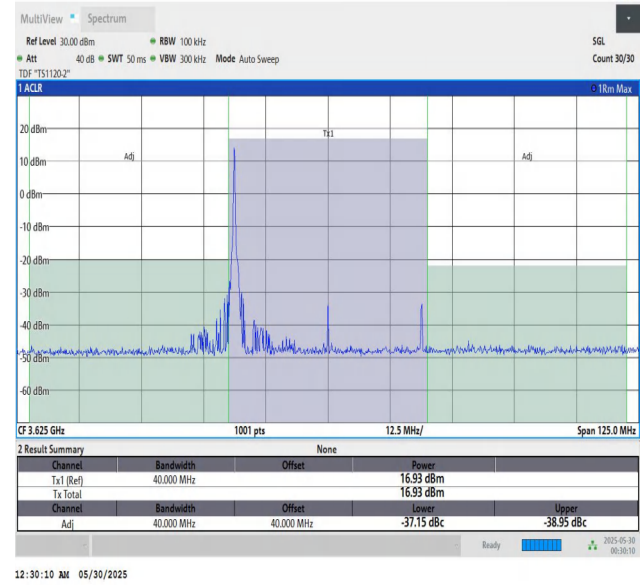
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RB#0-PASS



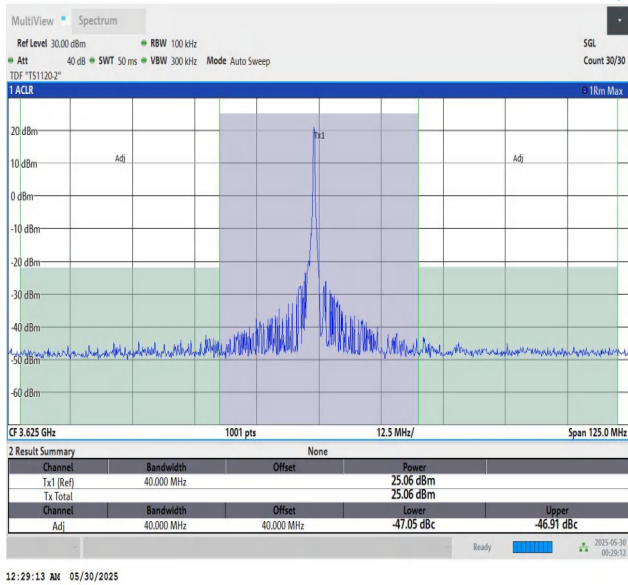
48-48-20MHz-20MHz-64QAM-64QAM-55891-56089-100RB#0-100R  
RB#0-PASS



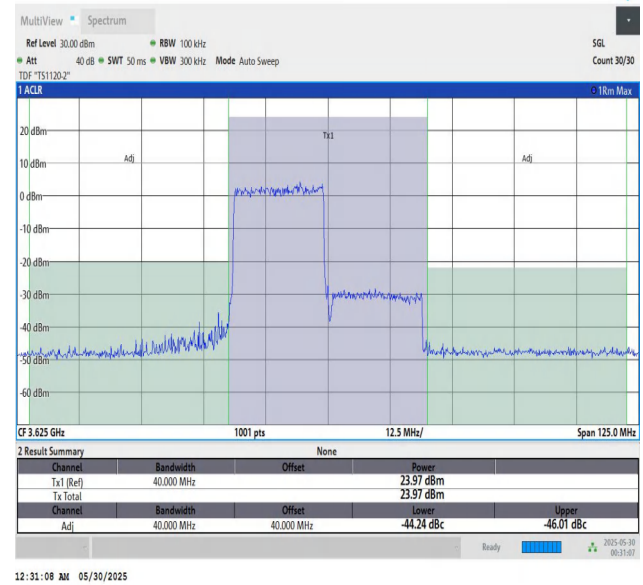
48-48-20MHz-20MHz-256QAM-256QAM-55891-56089-1RB#0-0  
RB#0-PASS



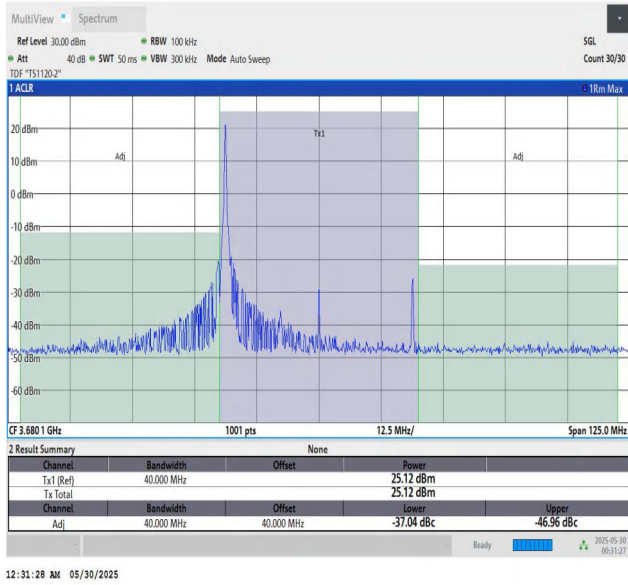
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#99-PASS



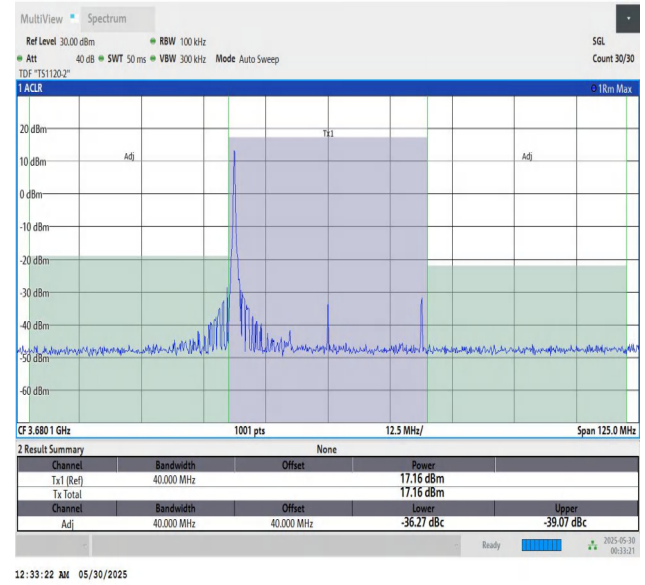
48-48-20MHz-20MHz-256QAM-256QAM-55891-56089-1RB#99-0RB#0-PASS



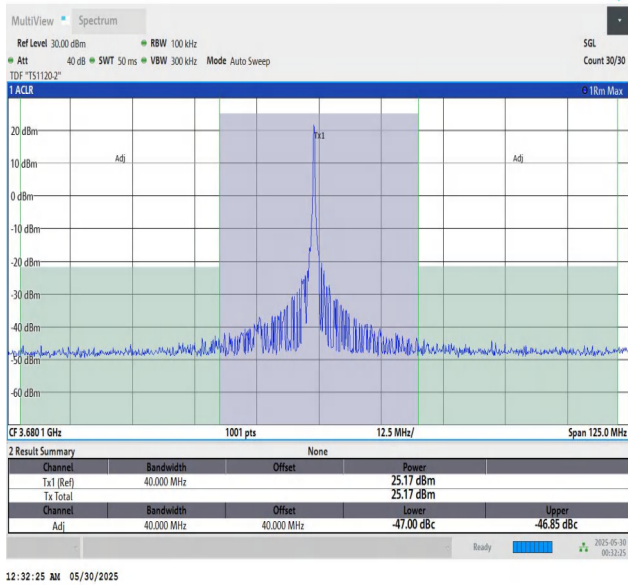
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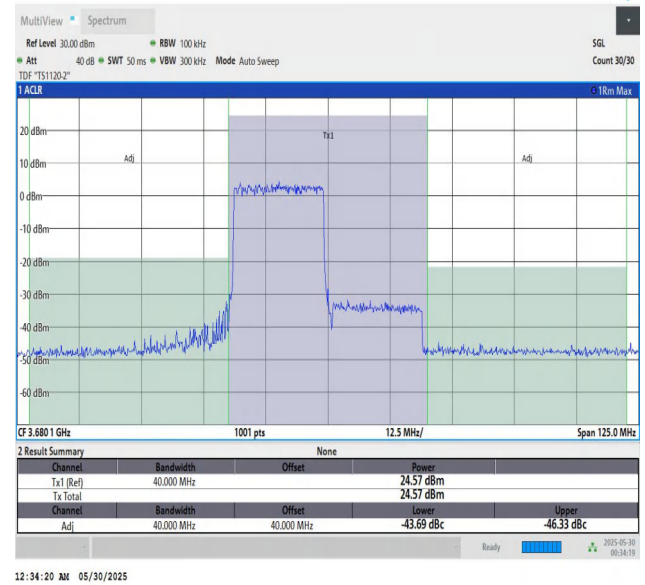
48-48-20MHz-20MHz-QPSK-QPSK-56642-56640-1RB#0-0RB#0-PASS



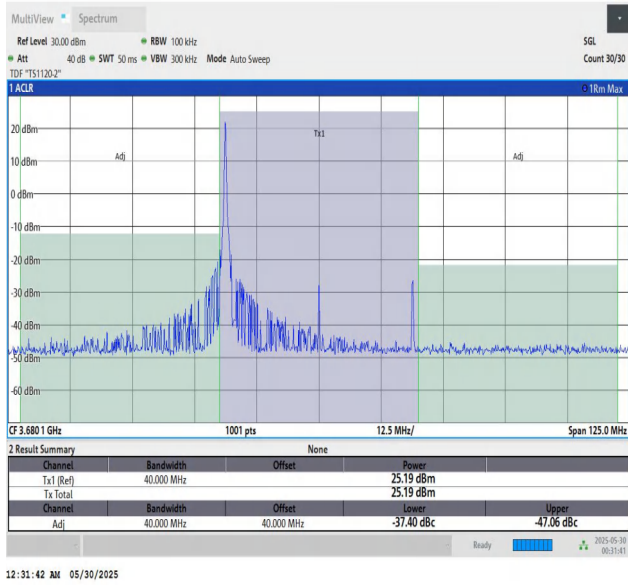
48-48-20MHz-20MHz-QPSK-QPSK-56642-56640-1RB#0-1RB#99-PASS



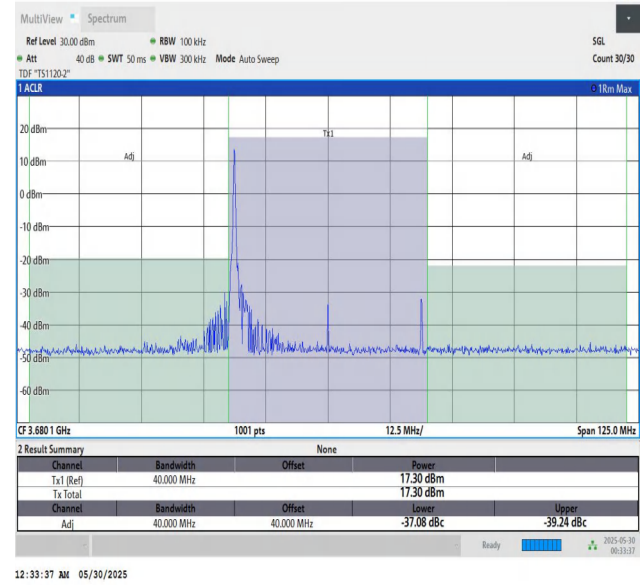
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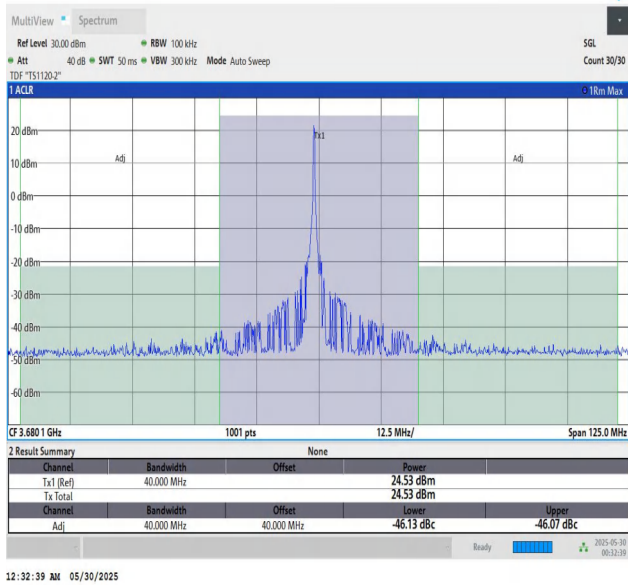
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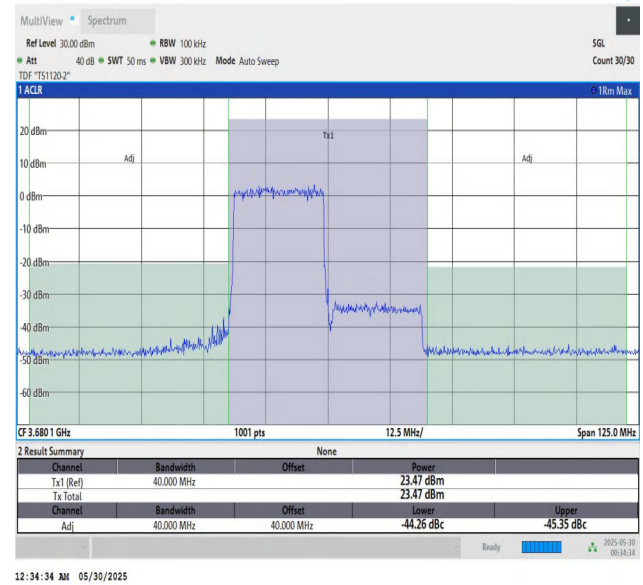
48-48-20MHz-20MHz-16QAM-16QAM-56442-56640-1RB#0-0R  
B#0-PASS



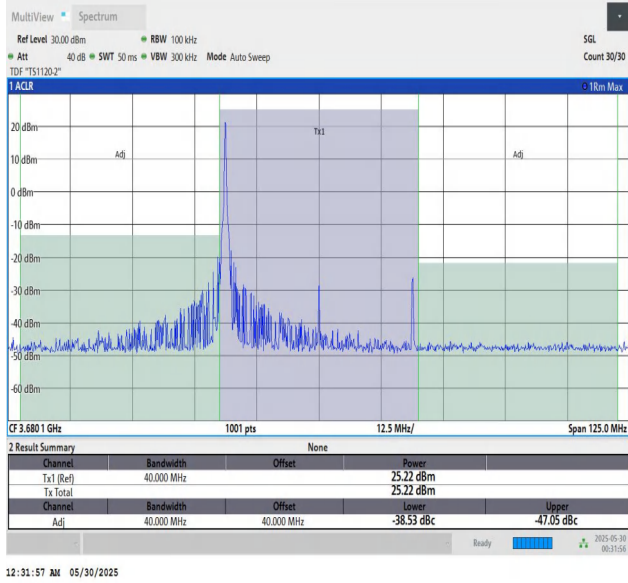
48-48-20MHz-20MHz-16QAM-16QAM-56442-56640-1RB#0-1RB#9  
9-PASS



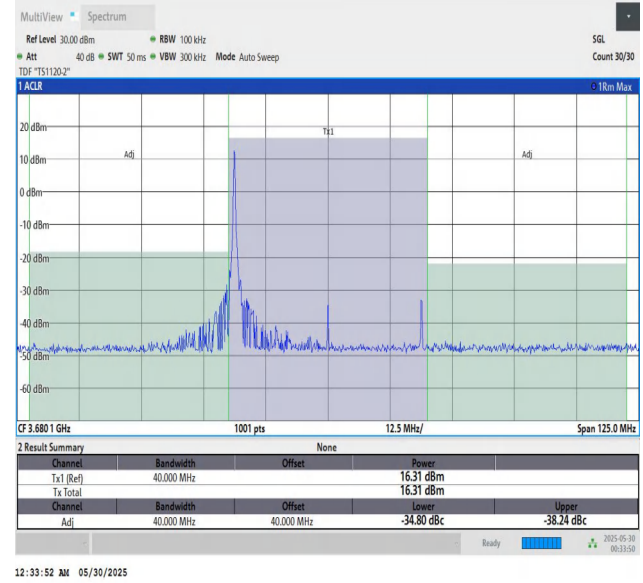
48-48-20MHz-20MHz-16QAM-16QAM-56442-56640-1RB#99-0  
RB#0-PASS



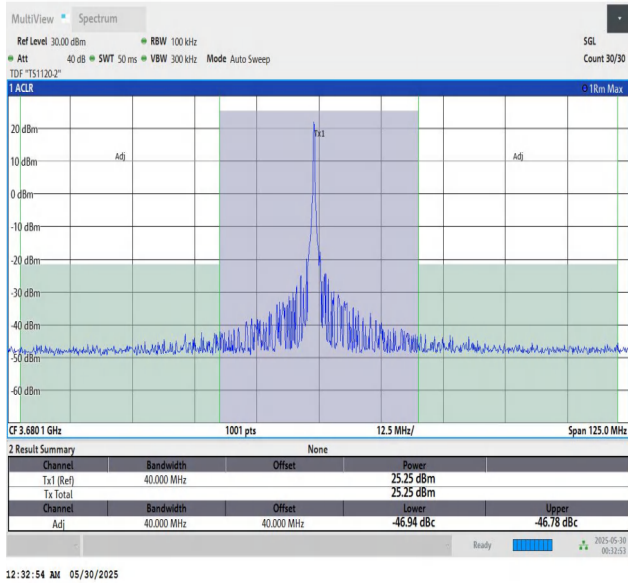
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RB#0-PASS



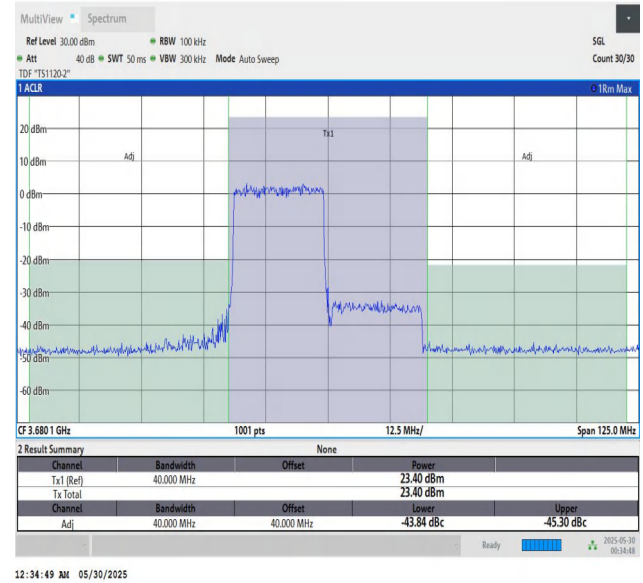
48-48-20MHz-20MHz-64QAM-64QAM-56442-56640-1RB#0-0R  
B#0-PASS



48-48-20MHz-20MHz-64QAM-64QAM-56442-56640-1RB#0-1RB#9  
9-PASS

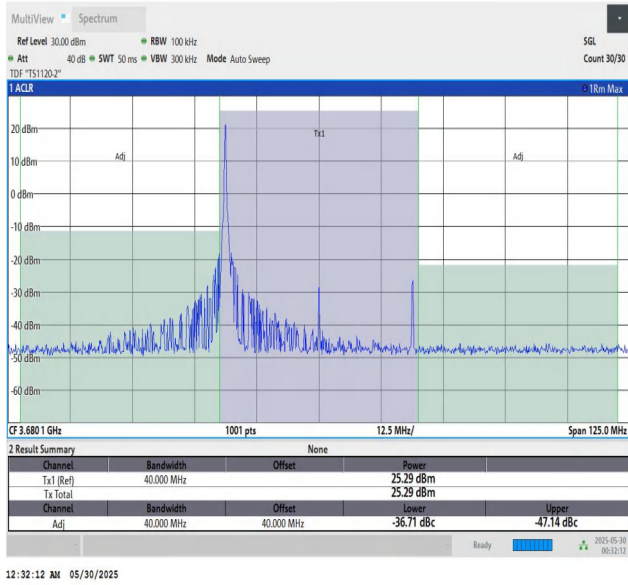


48-48-20MHz-20MHz-64QAM-64QAM-56442-56640-1RB#99-0  
RB#0-PASS

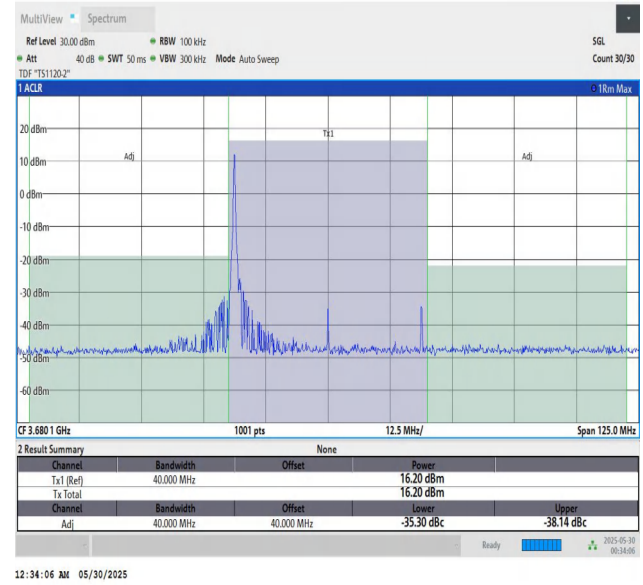


48-48-20MHz-20MHz-64QAM-64QAM-56442-56640-100RB#0-100  
RB#0-PASS

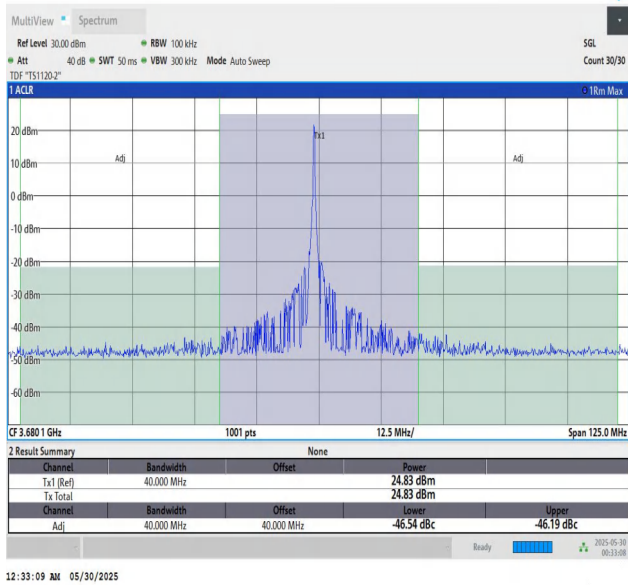




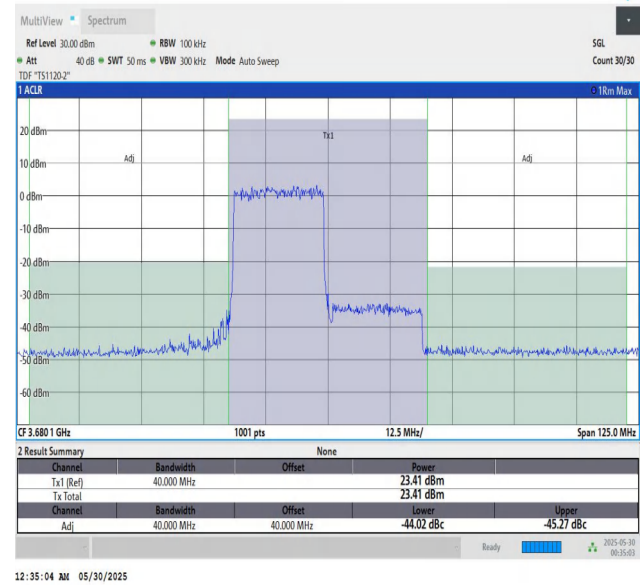
48-48-20MHz-20MHz-256QAM-256QAM-56442-56640-1RB#0-0  
RB#0-PASS



48-48-20MHz-20MHz-256QAM-256QAM-56442-56640-1RB#0-1RB  
#99-PASS



48-48-20MHz-20MHz-256QAM-256QAM-56442-56640-1RB#99-  
0RB#0-PASS



48-48-20MHz-20MHz-256QAM-256QAM-56442-56640-100RB#0-1  
00RB#0-PASS

## Frequency Stability

### Test Result

| Voltage |             |            |             |                 |               |                  |                |                 |             |         |
|---------|-------------|------------|-------------|-----------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth   | Modulation | Channel     | RB Configure    | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 48-48   | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | VN            | NT               | 8.76           | 0.002423        | ±2.5        | PASS    |
| 48-48   | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | VL            | NT               | 12.36          | 0.003419        | ±2.5        | PASS    |
| 48-48   | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | VH            | NT               | 11.18          | 0.003093        | ±2.5        | PASS    |

| Temperature |             |            |             |                 |               |                  |                |                 |             |         |
|-------------|-------------|------------|-------------|-----------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth   | Modulation | Channel     | RB Configure    | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | -30              | 14.08          | 0.003895        | ±2.5        | PASS    |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | -20              | 13.82          | 0.003823        | ±2.5        | PASS    |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | -10              | 12.10          | 0.003347        | ±2.5        | PASS    |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | 0                | 16.39          | 0.004534        | ±2.5        | PASS    |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | 10               | 10.58          | 0.002927        | ±2.5        | PASS    |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | 20               | 11.13          | 0.003079        | ±2.5        | PASS    |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | 30               | 12.98          | 0.003590        | ±2.5        | PASS    |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | 40               | 11.87          | 0.003283        | ±2.5        | PASS    |
| 48-48       | 20MHz-20MHz | QPSK-QPSK  | 55891-56089 | 100RB#0-100RB#0 | NV            | 50               | 12.03          | 0.003328        | ±2.5        | PASS    |

----- THE END -----