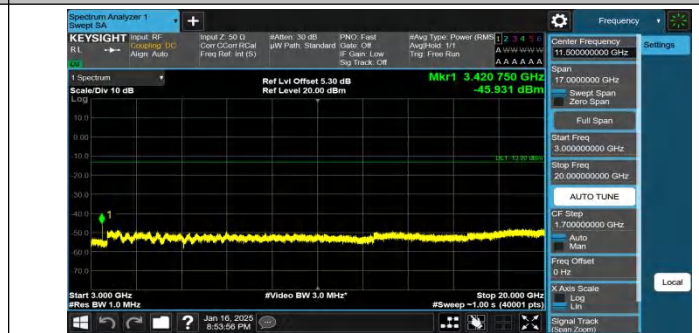
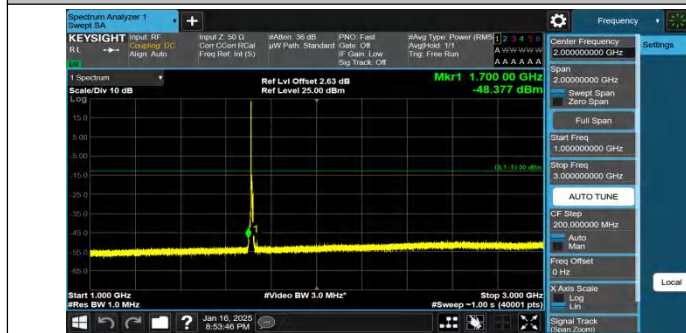
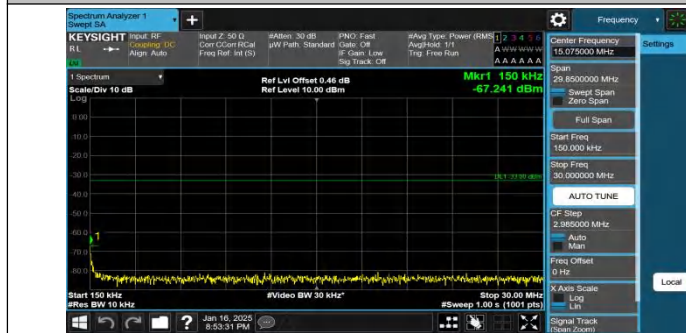
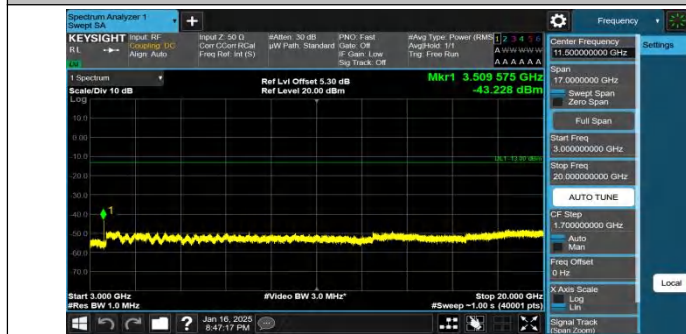
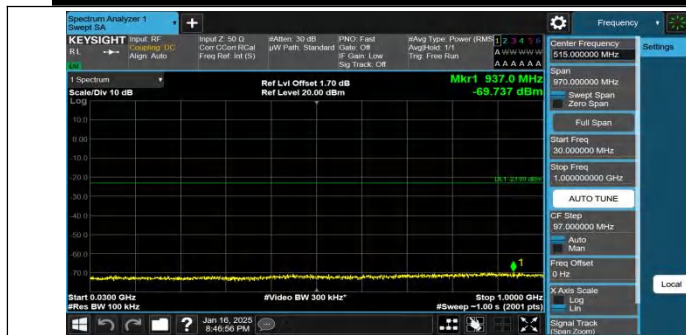
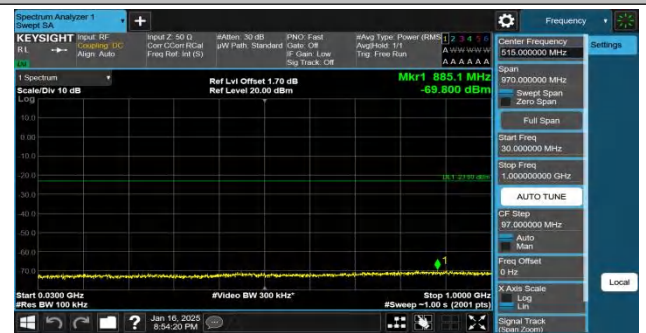
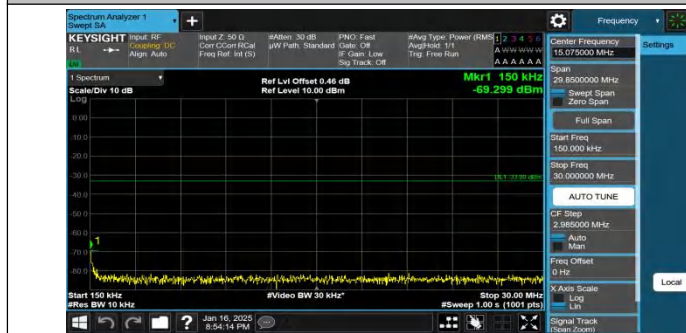
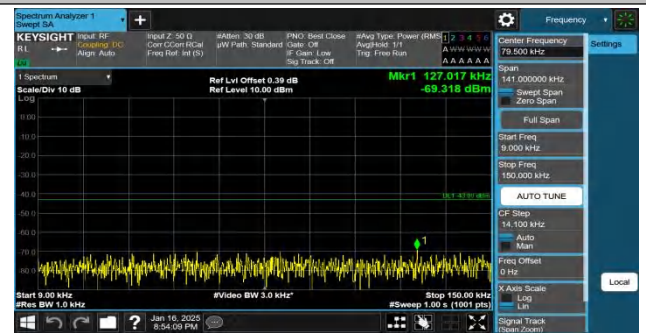
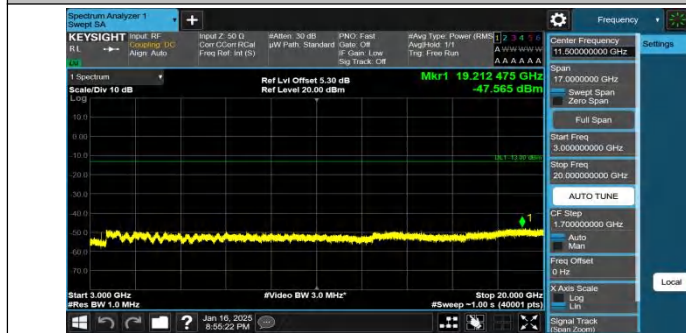
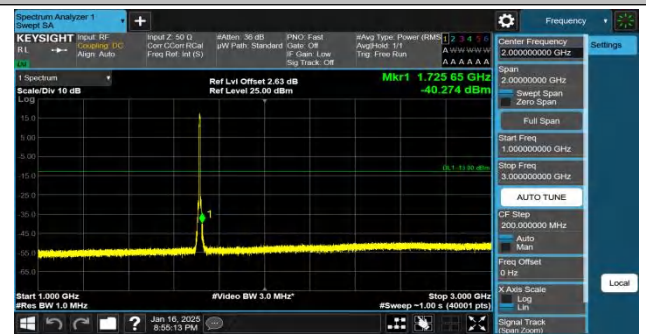
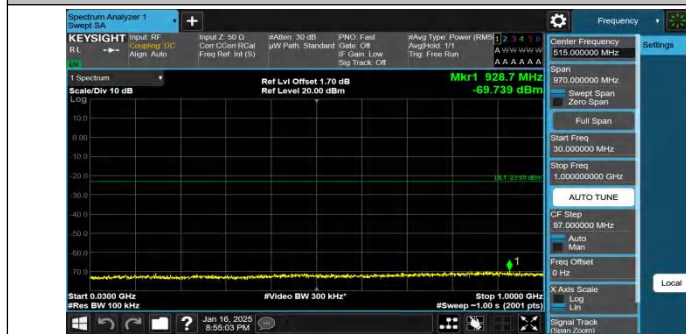
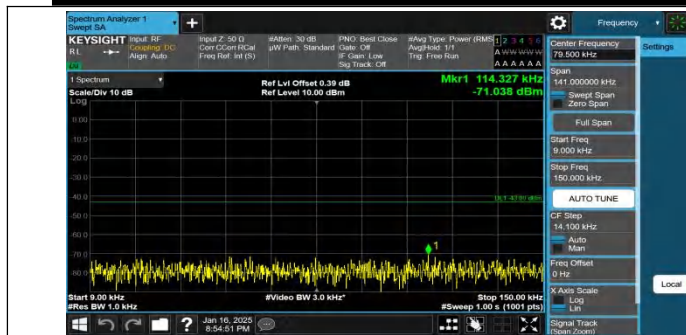








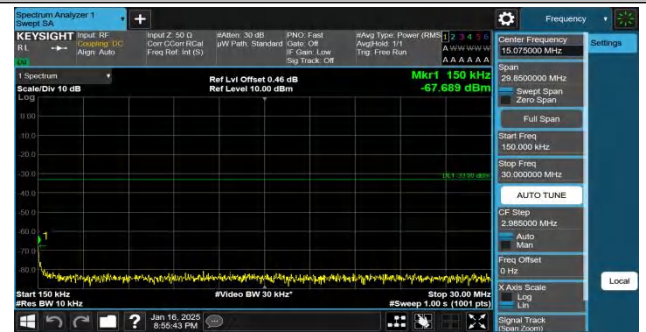
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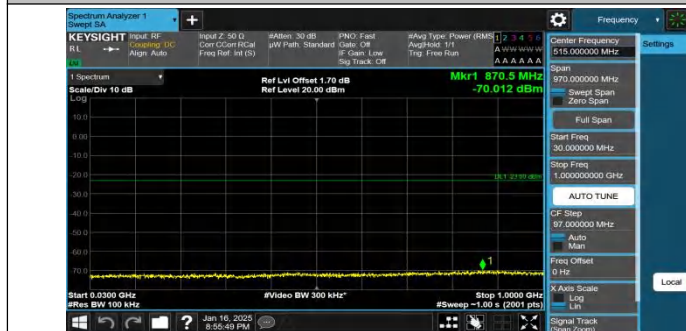
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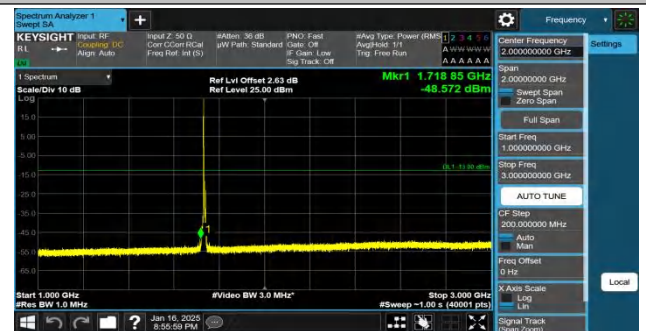
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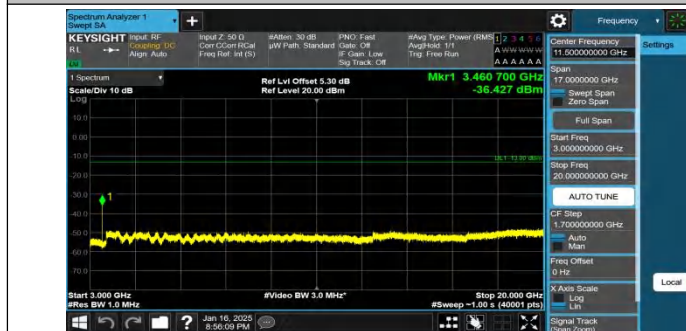
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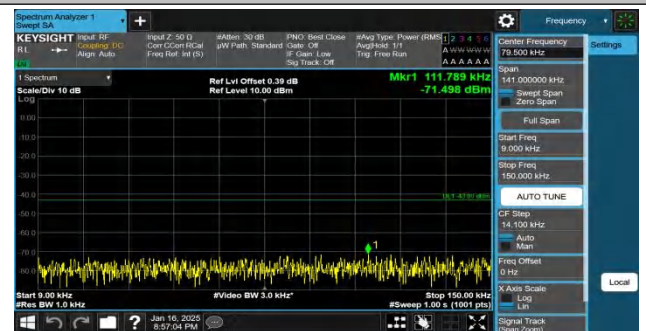
Band4-5MHz-QPSK-20175-1RB#0-30~1000-PASS



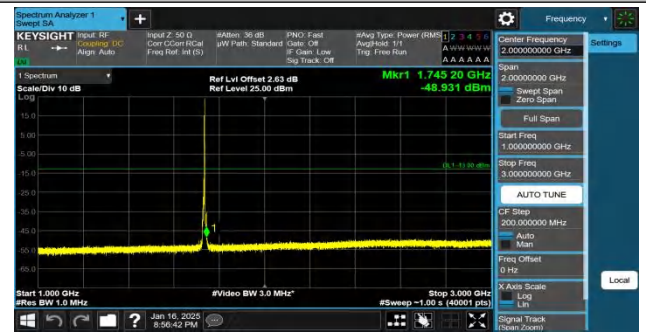
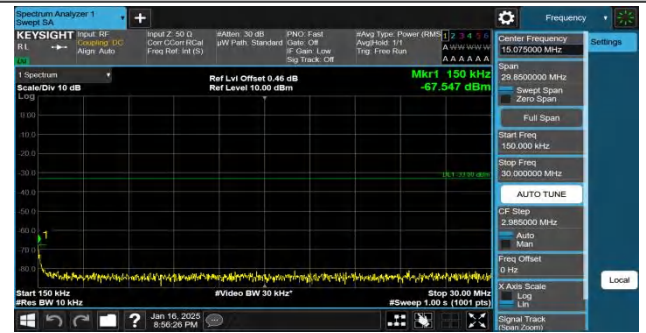
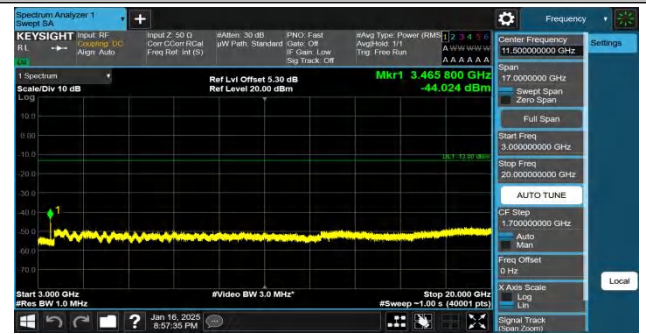
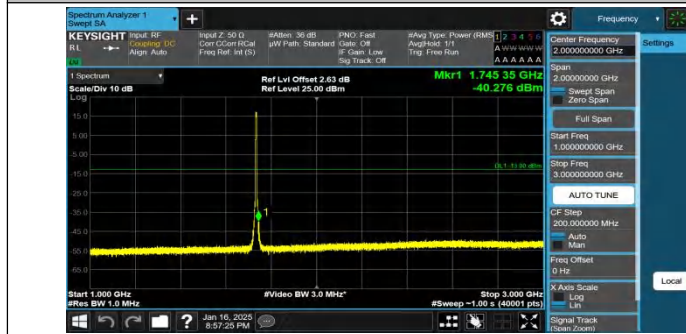
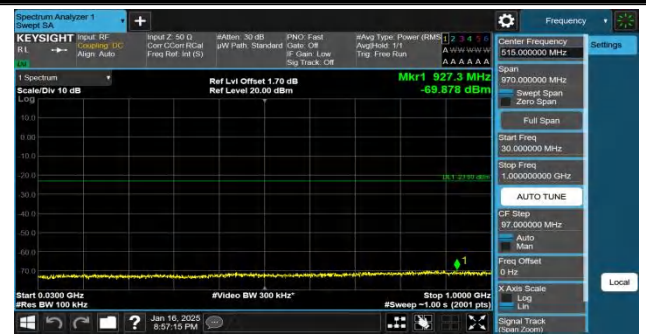
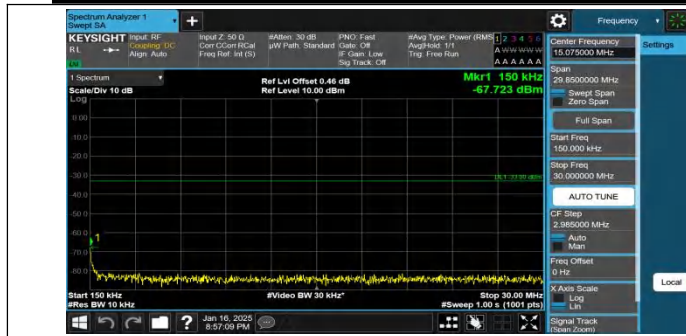
Band4-5MHz-QPSK-20175-1RB#0-1000~3000-PASS

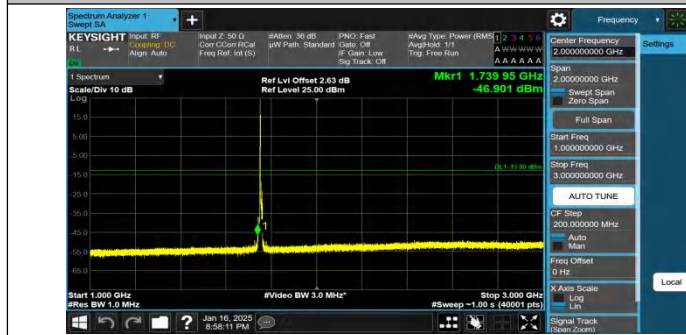
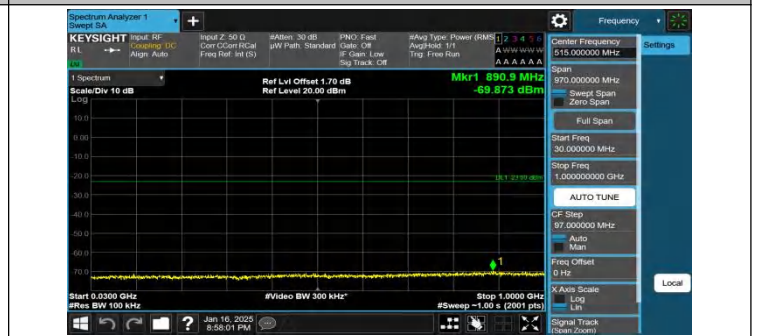
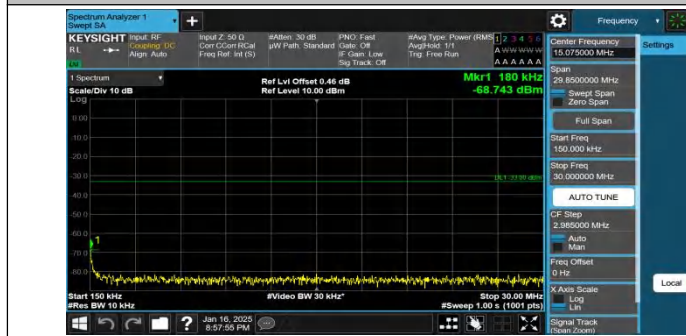
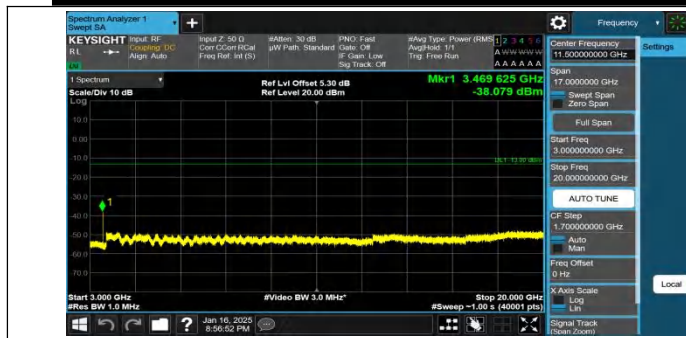


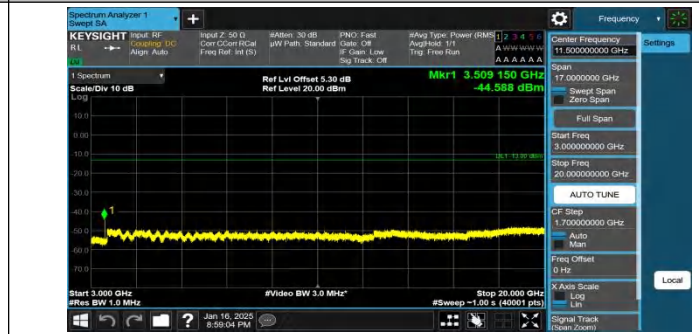
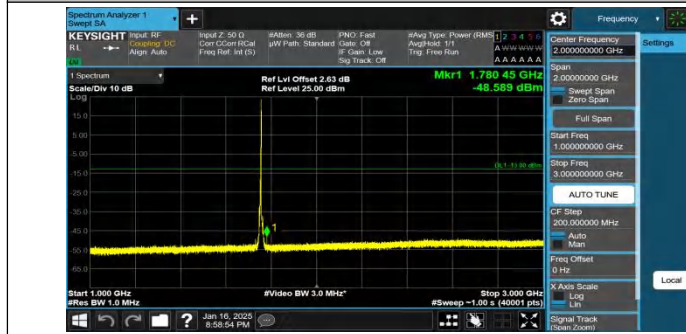
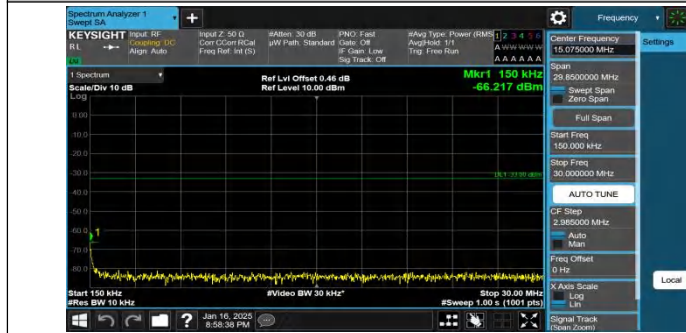
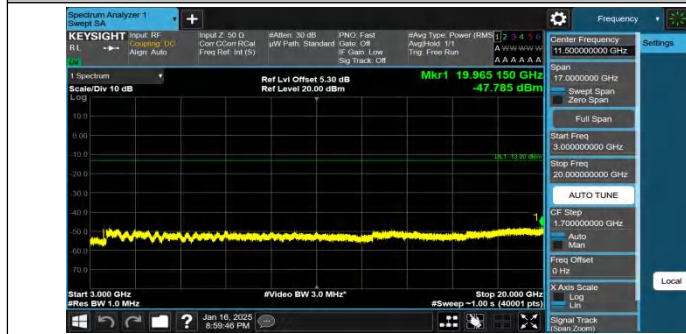
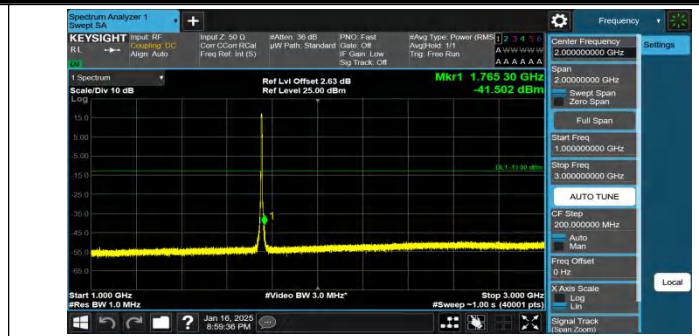
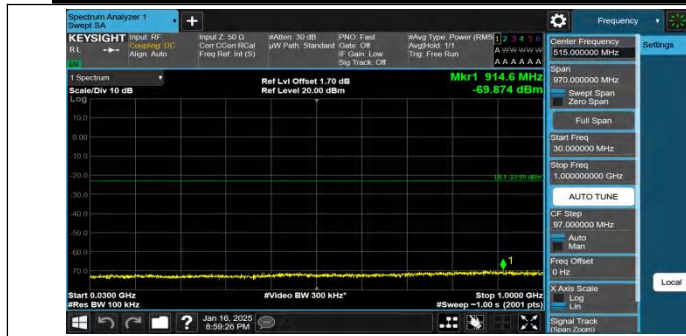
Band4-5MHz-QPSK-20175-1RB#0-3000~20000-PASS



Band4-5MHz-QPSK-20175-25RB#0-0.009~0.15-PASS

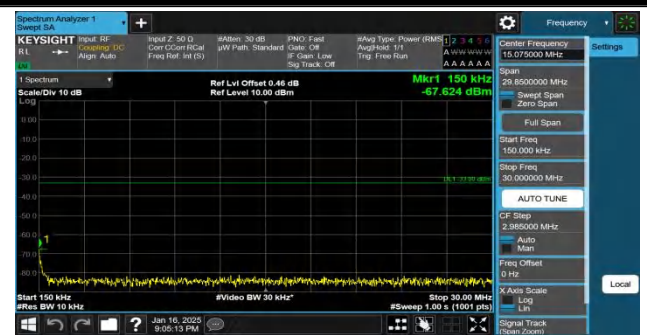




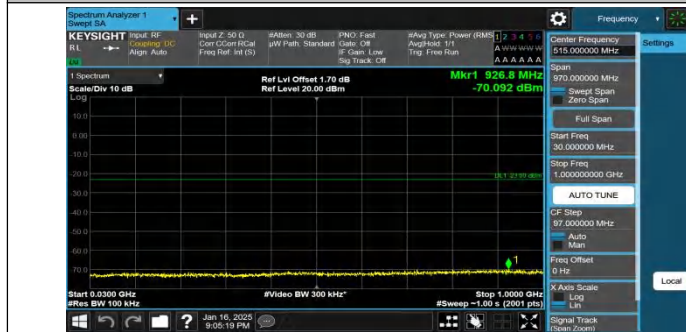




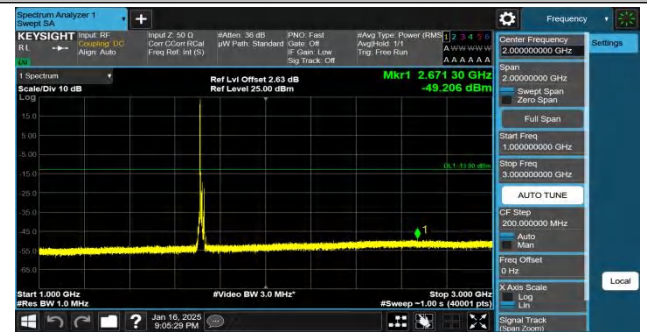
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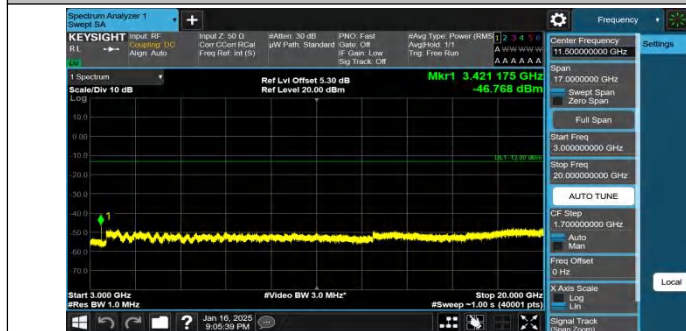
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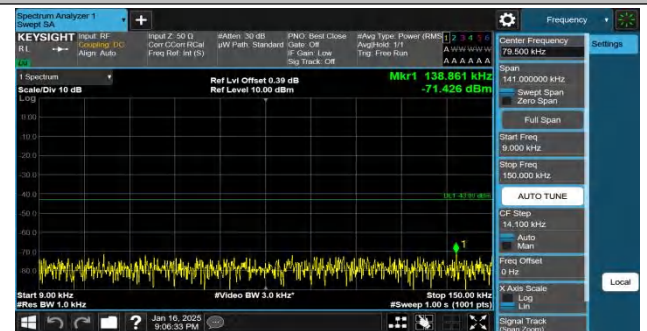
Band4-10MHz-QPSK-20000-1RB#0-30~1000-PASS



Band4-10MHz-QPSK-20000-1RB#0-1000~3000-PASS



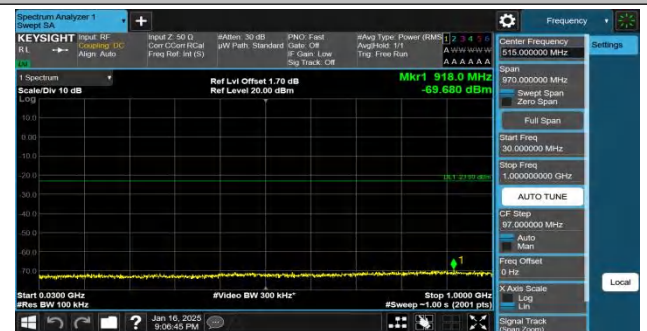
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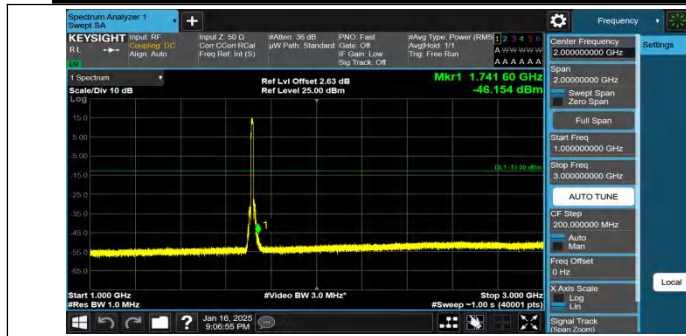
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Band4-10MHz-QPSK-20000-50RB#0-0.15~30-PASS



Band4-10MHz-QPSK-20000-50RB#0-30~1000-PASS



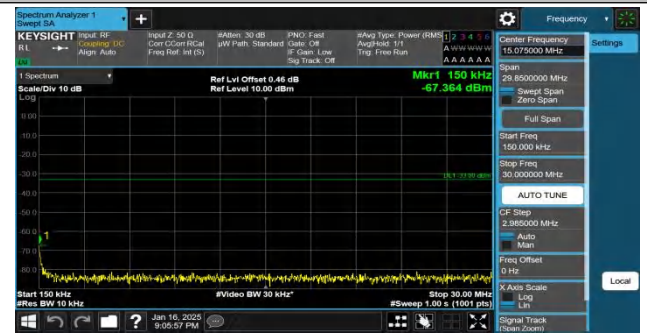
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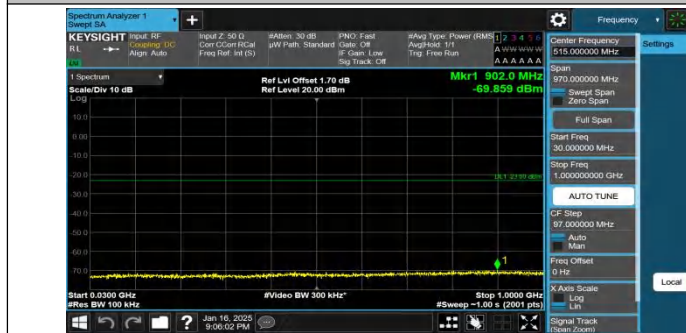
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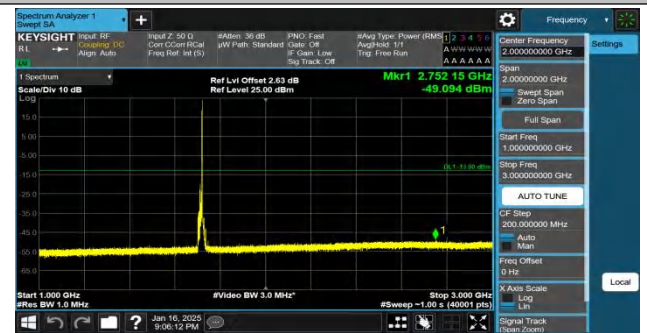
Band4-10MHz-QPSK-20000-1RB#49-0.009~0.15-PASS



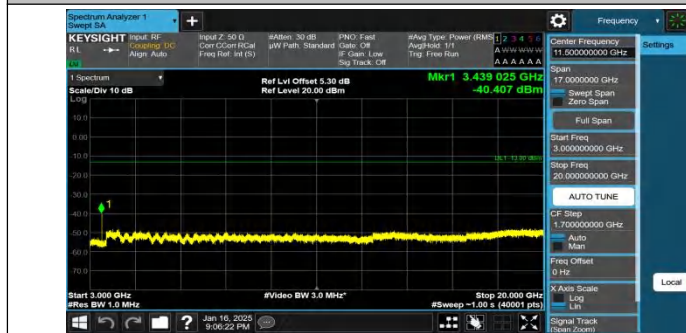
Band4-10MHz-QPSK-20000-1RB#49-0.15~30-PASS



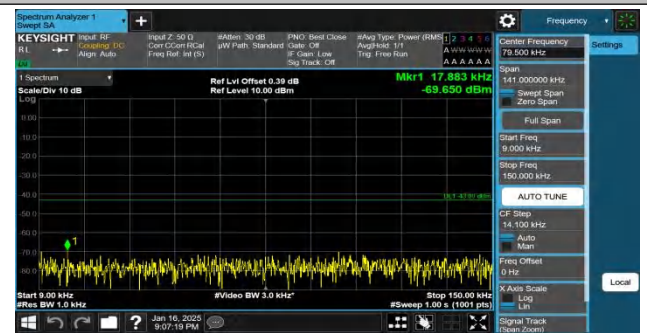
Band4-10MHz-QPSK-20000-1RB#49-30~1000-PASS



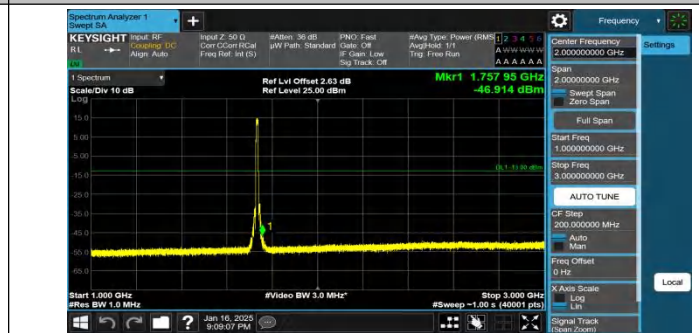
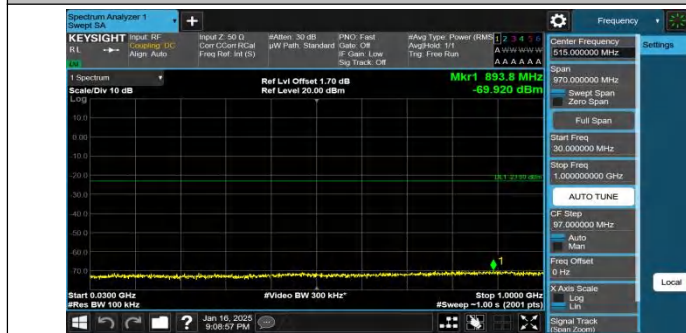
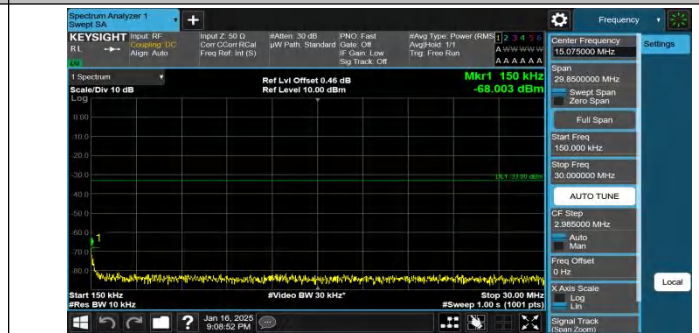
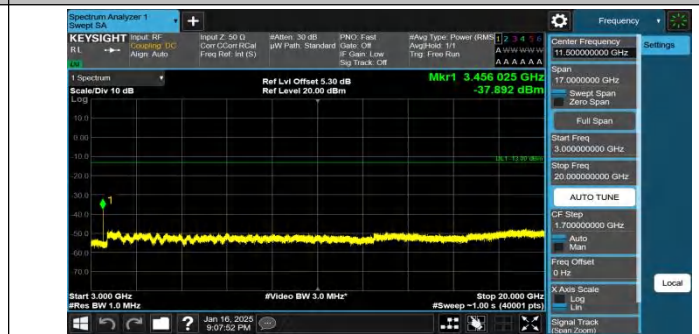
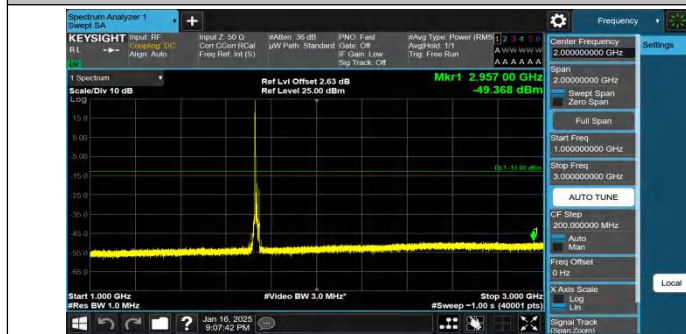
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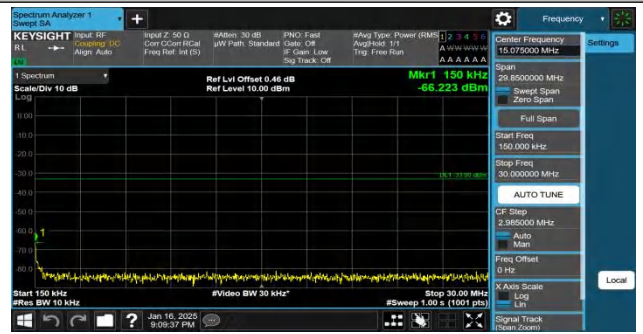
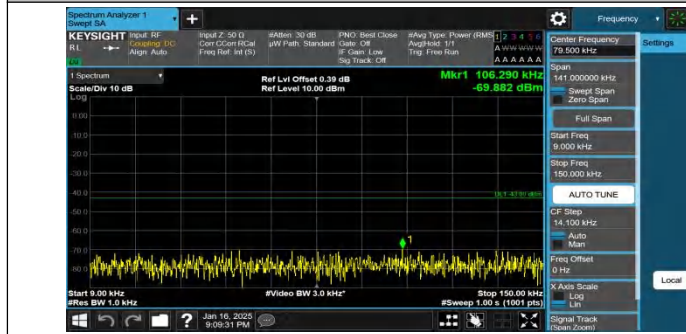
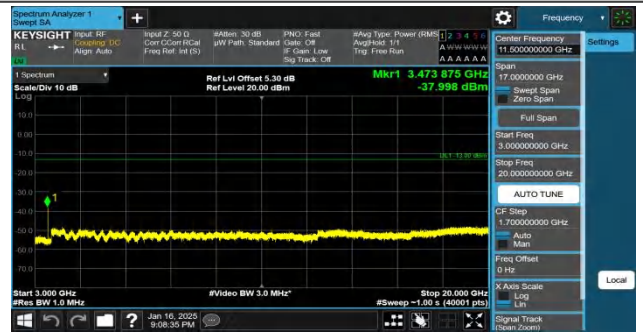
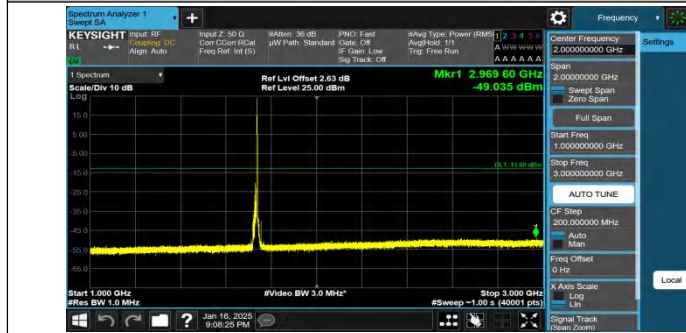
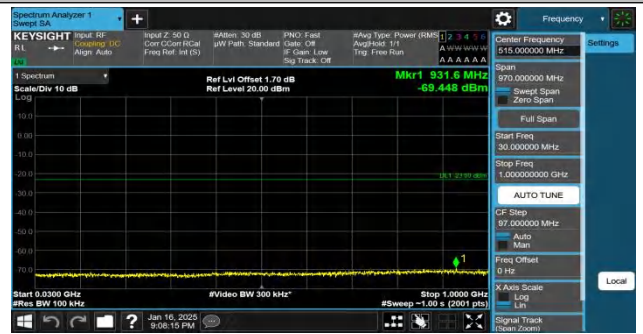
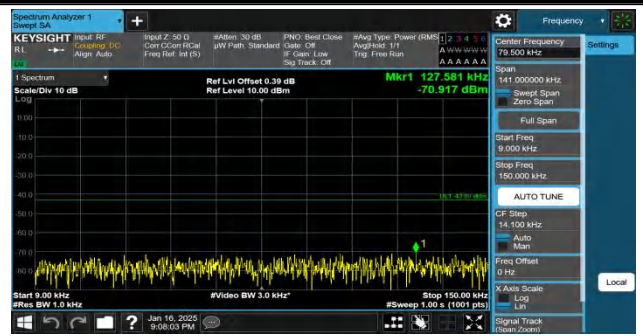
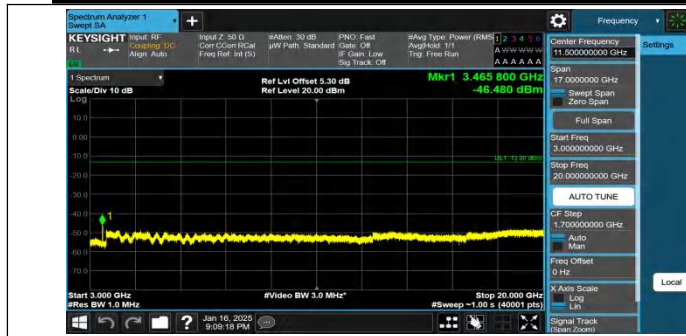


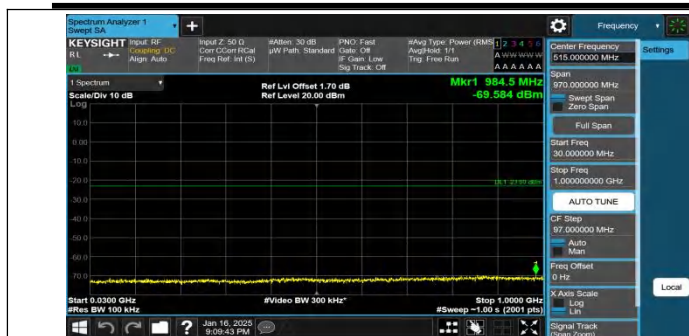
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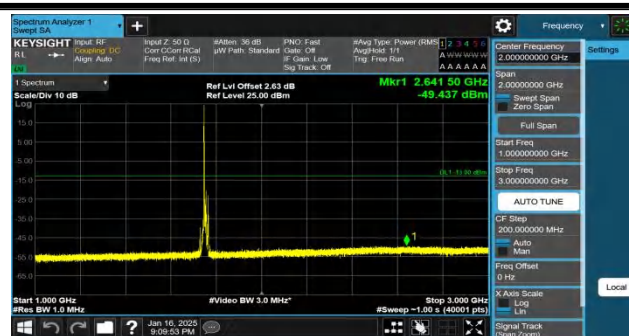
Band4-10MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



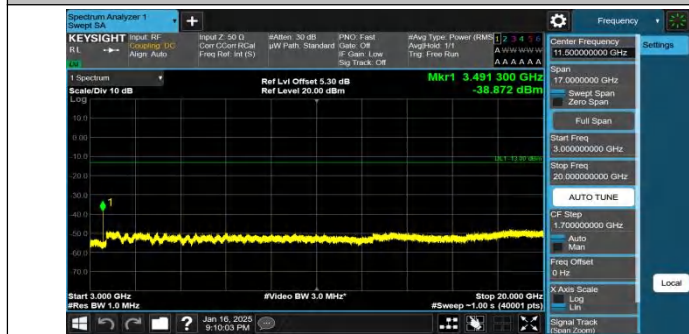




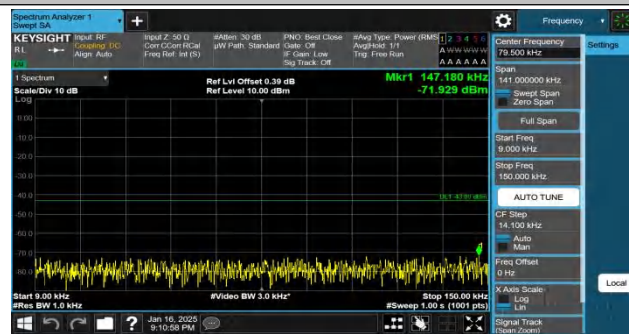
Band4-10MHz-QPSK-20350-1RB#0-30~1000-PASS



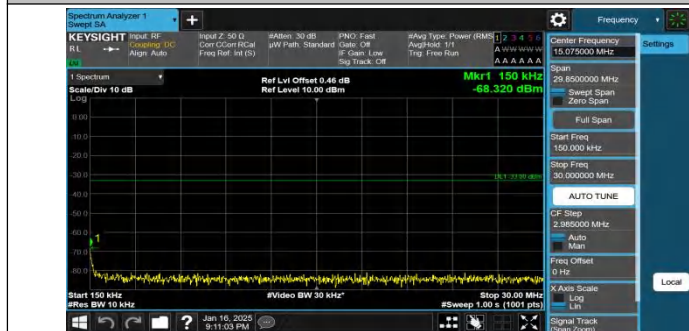
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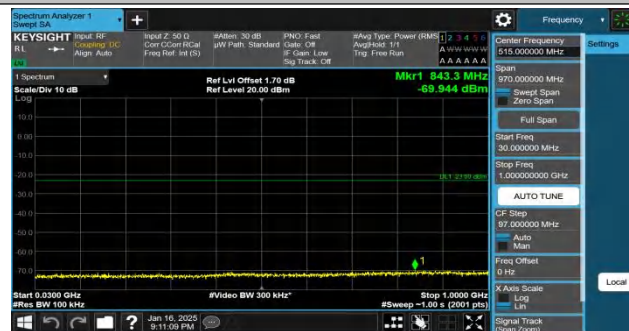
Band4-10MHz-QPSK-20350-1RB#0-3000~20000-PASS



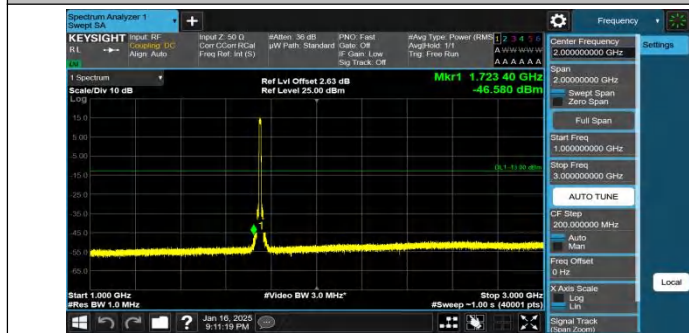
Band4-10MHz-QPSK-20350-50RB#0-0.009~0.15-PASS



Band4-10MHz-QPSK-20350-50RB#0-0.15~30-PASS



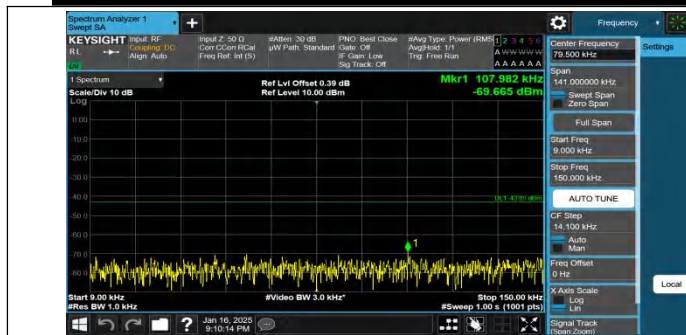
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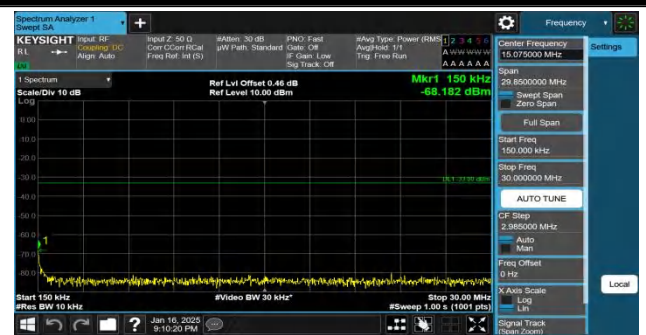
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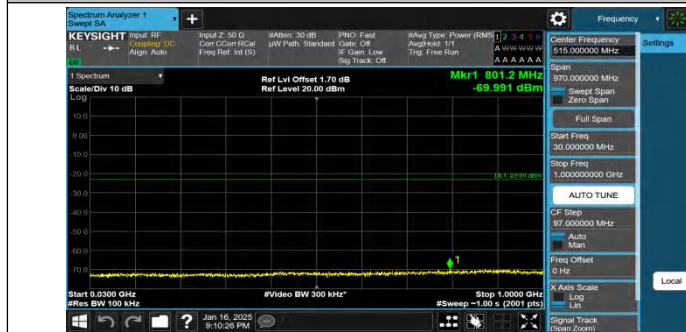
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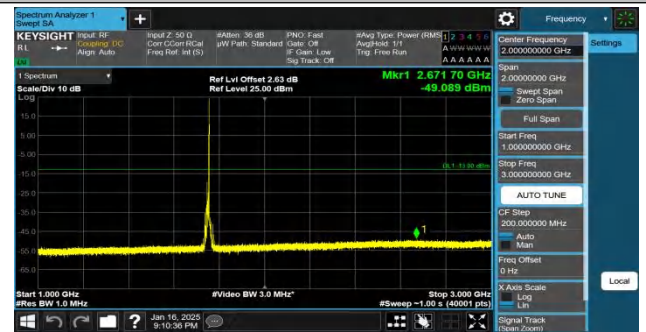
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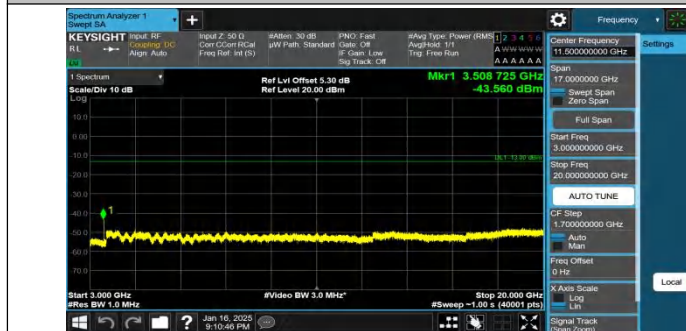
Band4-10MHz-QPSK-20350-1RB#49-0.15~30-PASS



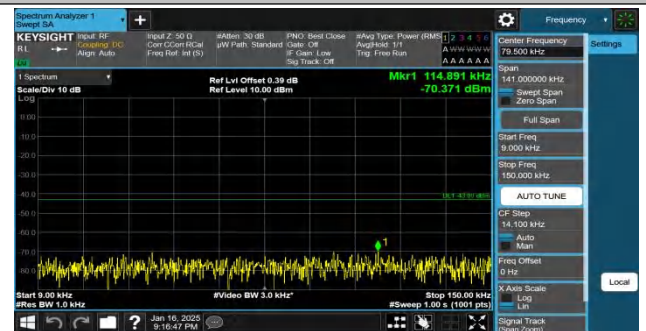
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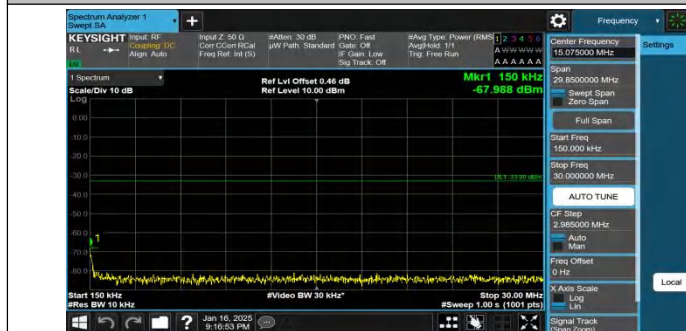
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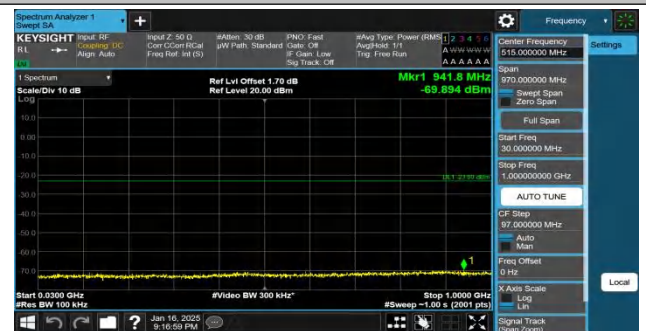
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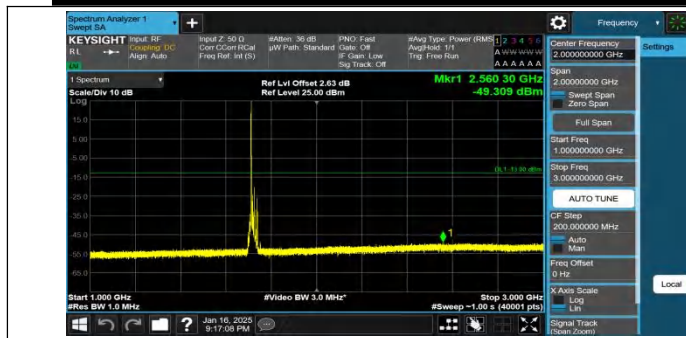
Band4-15MHz-QPSK-20025-1RB#0-0.009~0.15-PASS



Band4-15MHz-QPSK-20025-1RB#0-0.15~30-PASS



Band4-15MHz-QPSK-20025-1RB#0-30~1000-PASS



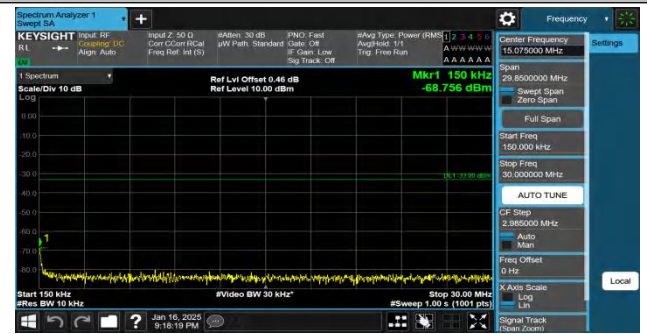
Band4-15MHz-QPSK-20025-1RB#0-1000~3000-PASS



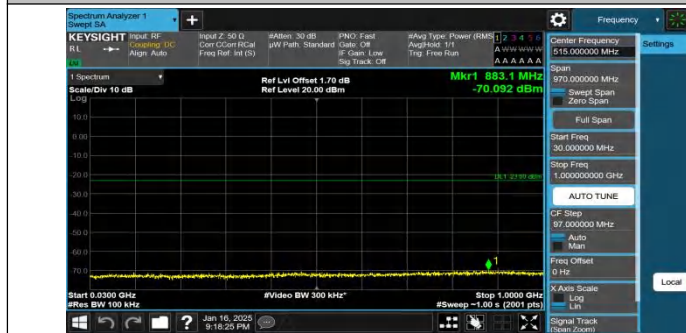
Band4-15MHz-QPSK-20025-1RB#0-3000~20000-PASS



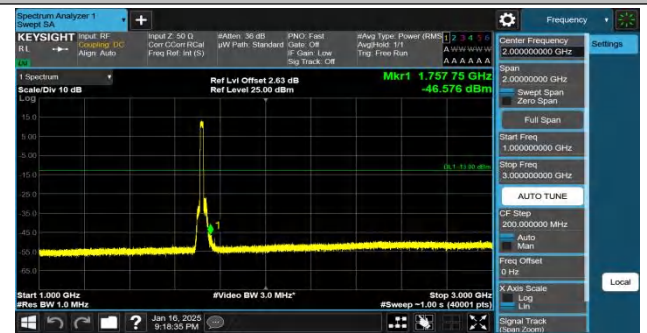
Band4-15MHz-QPSK-20025-75RB#0-0.009~0.15-PASS



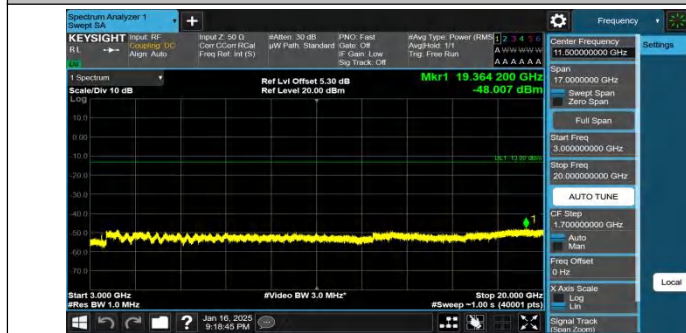
Band4-15MHz-QPSK-20025-75RB#0-0.15~30-PASS



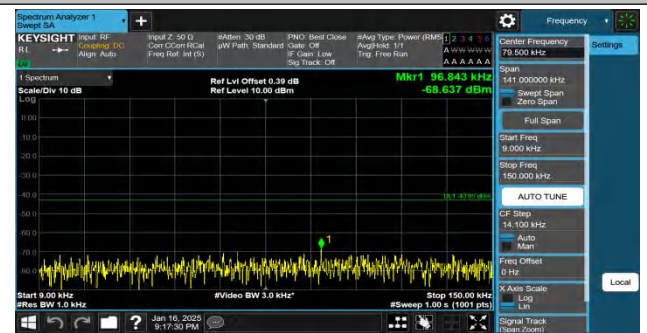
Band4-15MHz-QPSK-20025-75RB#0-30~1000-PASS



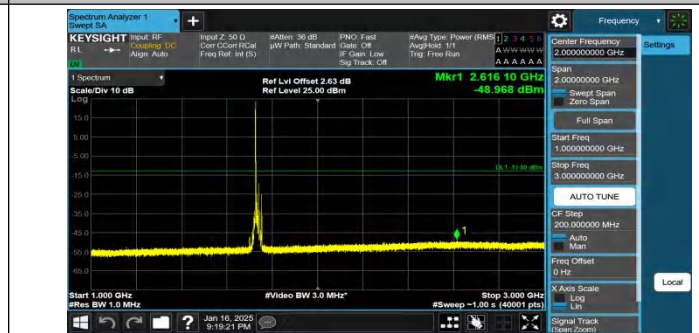
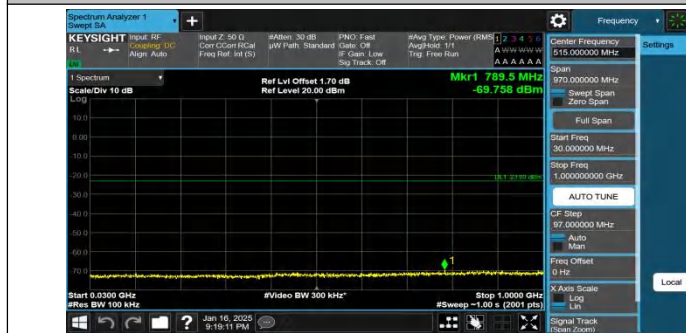
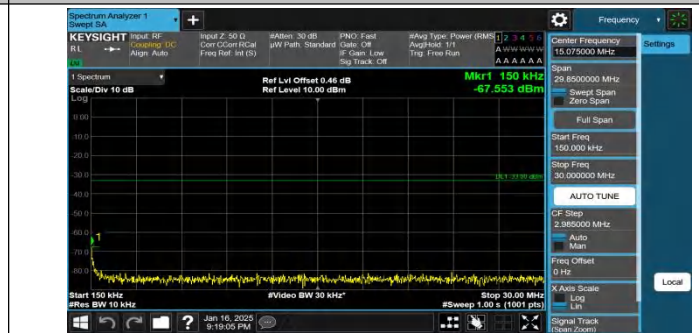
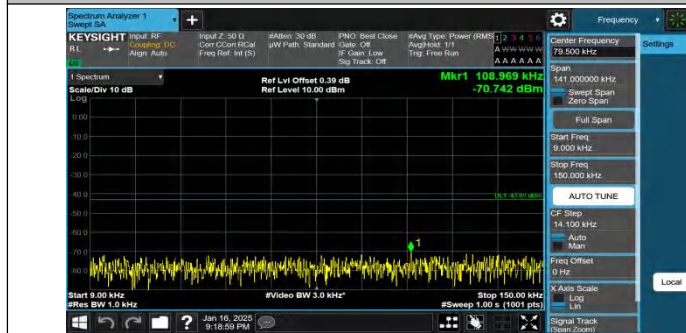
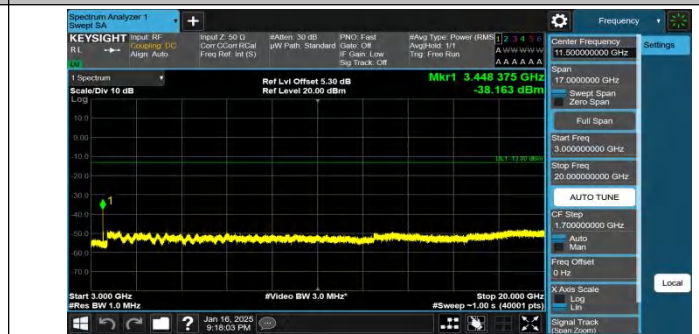
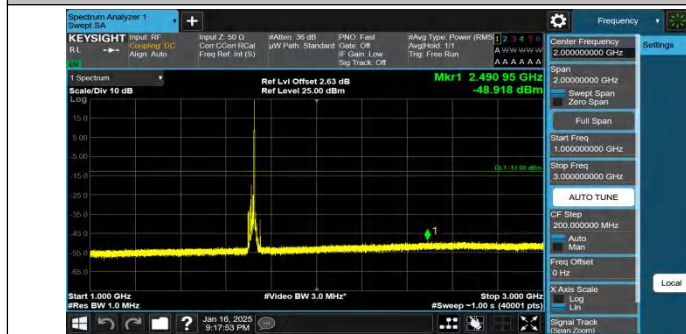
Band4-15MHz-QPSK-20025-75RB#0-1000~3000-PASS

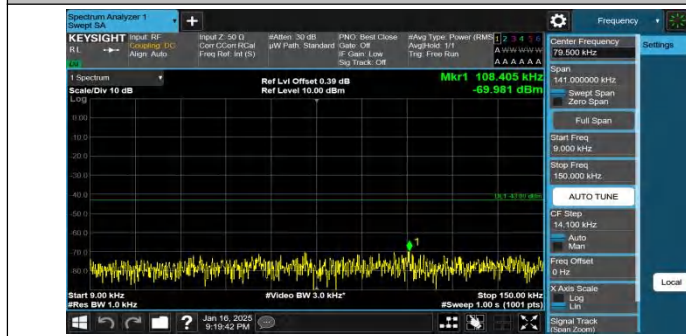
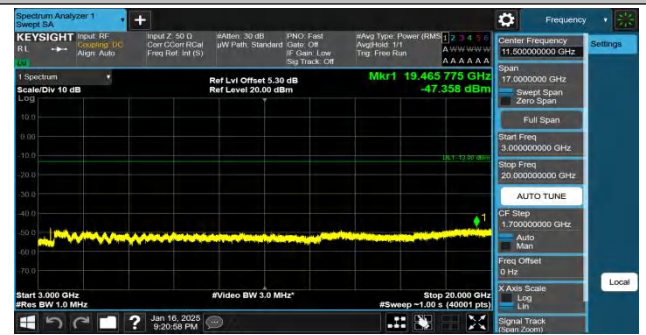
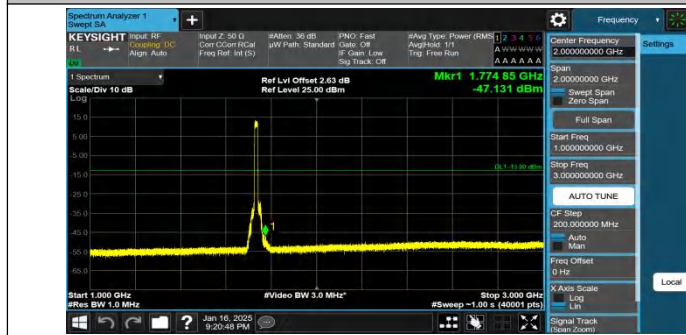
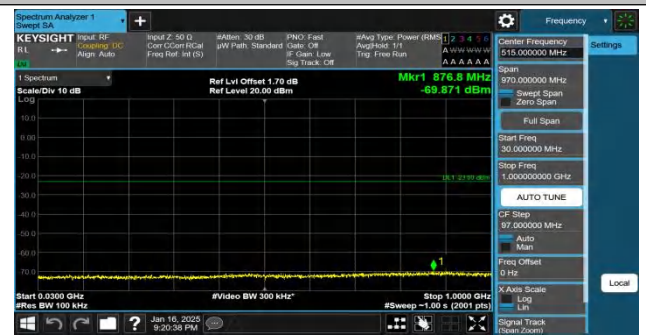
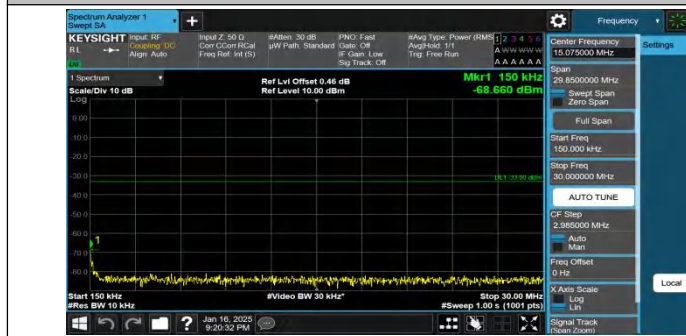
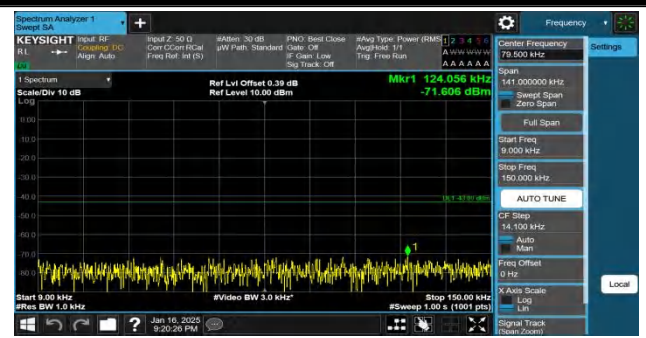
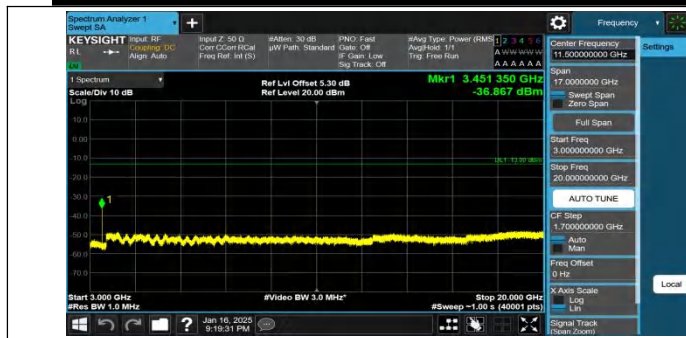


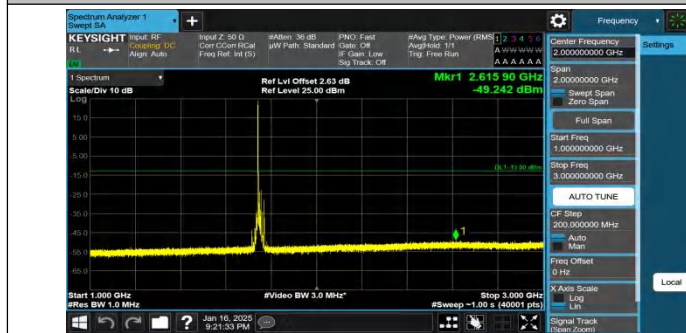
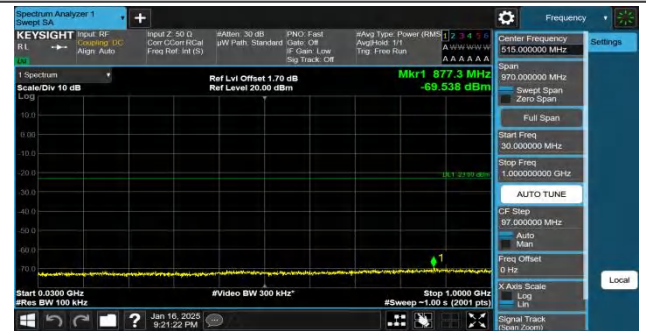
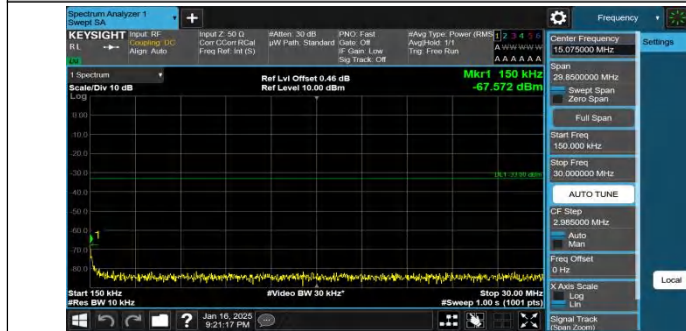
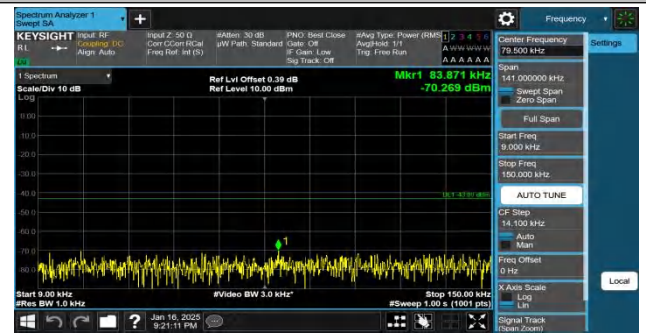
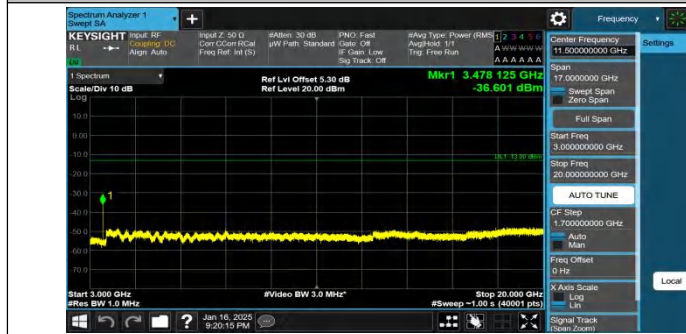
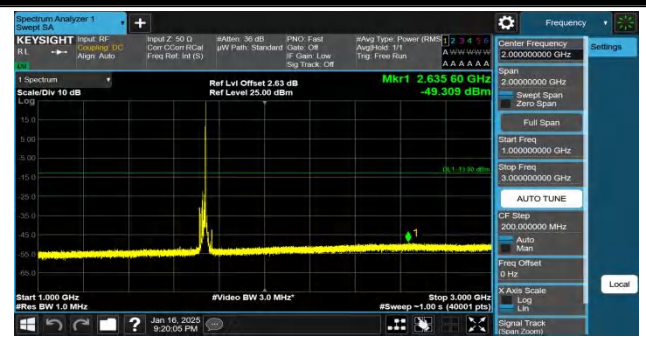
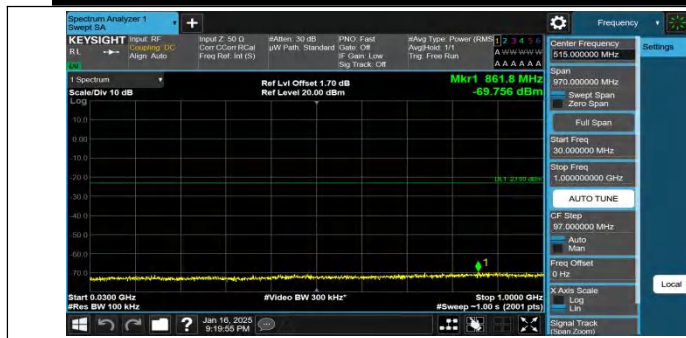
Band4-15MHz-QPSK-20025-75RB#0-3000~10000-PASS

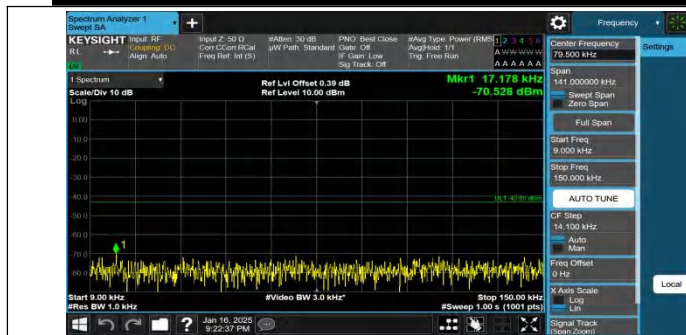


Band4-15MHz-QPSK-20025-1RB#74-0.009~0.15-PASS

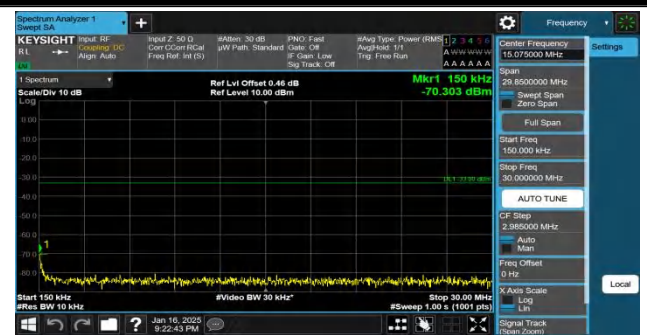




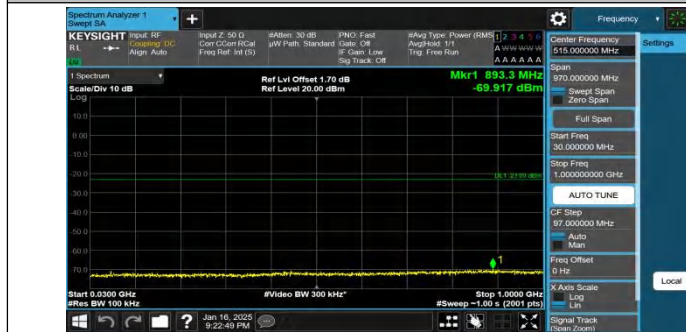




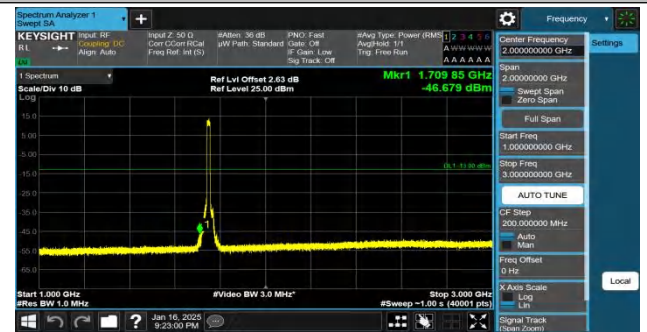
Band4-15MHz-QPSK-20325-75RB#0-0.009~0.15-PASS



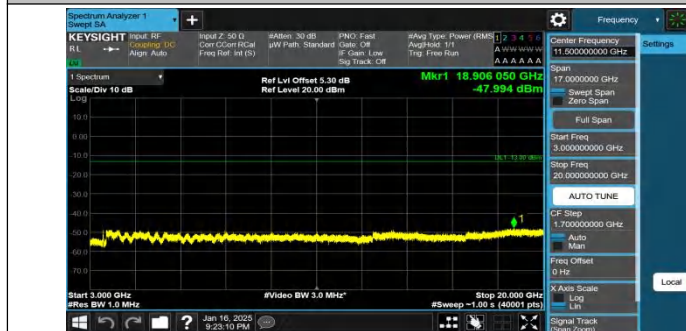
Band4-15MHz-QPSK-20325-75RB#0-0.15~30-PASS



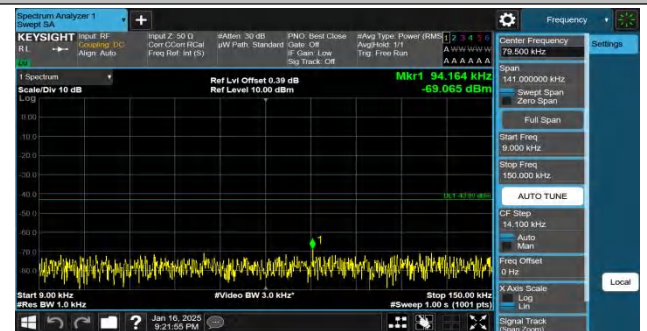
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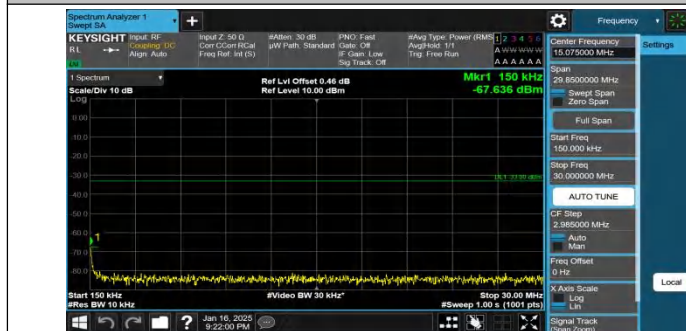
Band4-15MHz-QPSK-20325-75RB#0-1000~3000-PASS



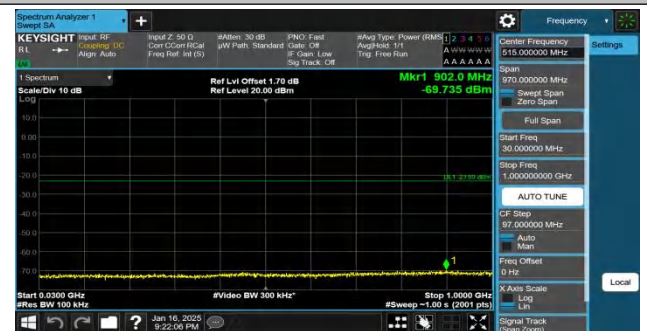
Band4-15MHz-QPSK-20325-75RB#0-3000~20000-PASS



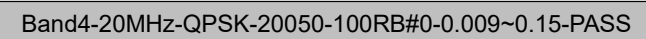
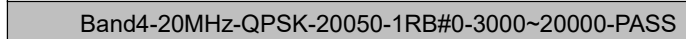
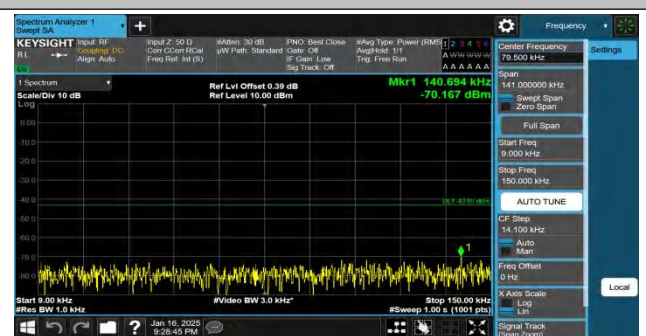
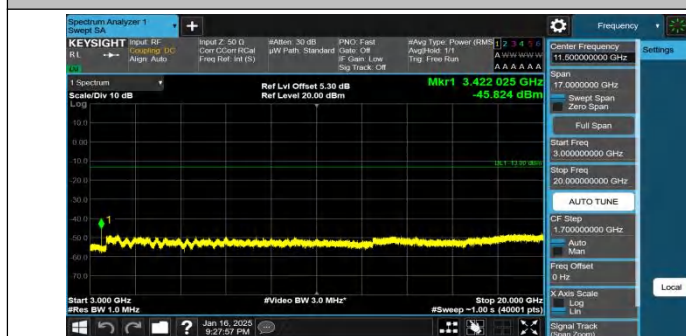
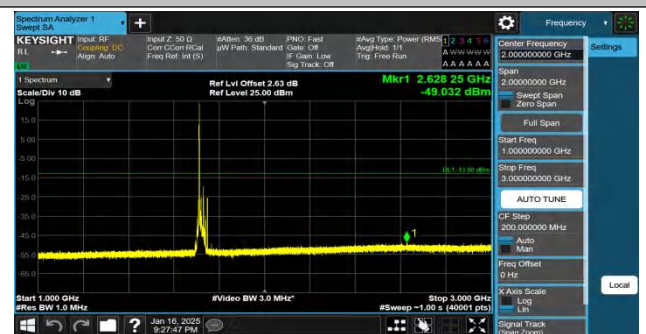
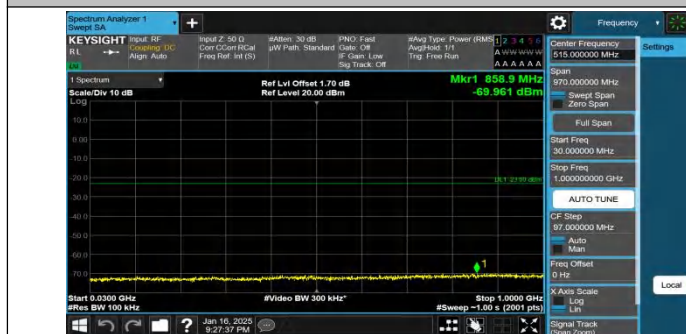
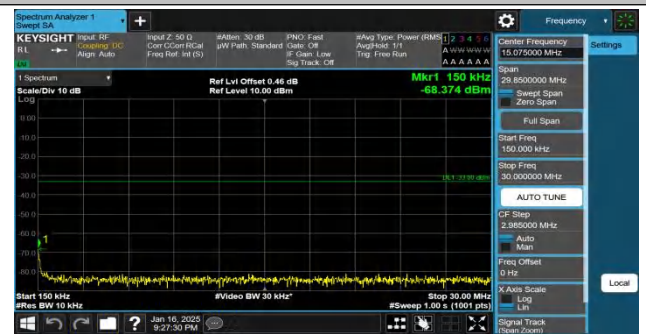
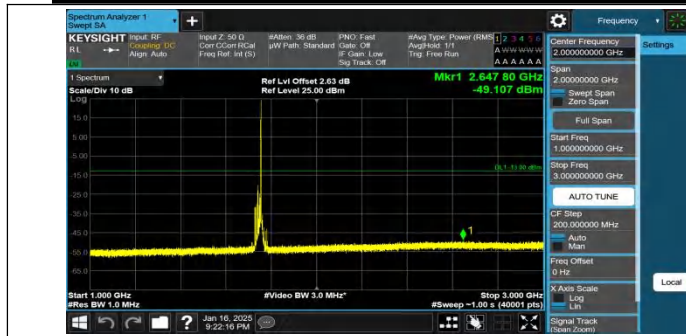
Band4-15MHz-QPSK-20325-1RB#74-0.009~0.15-PASS

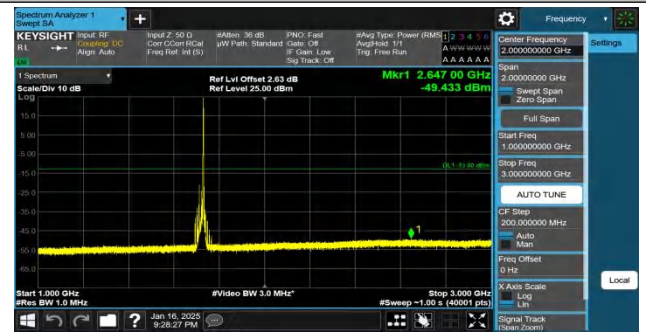
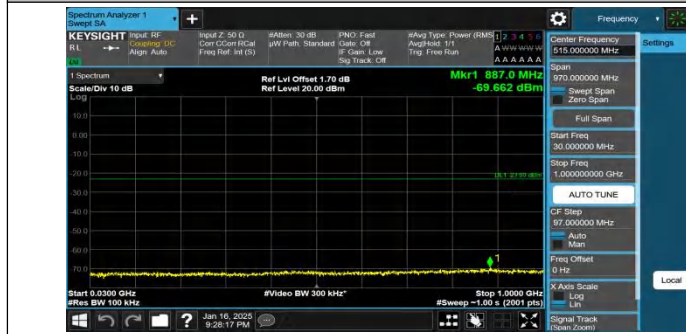
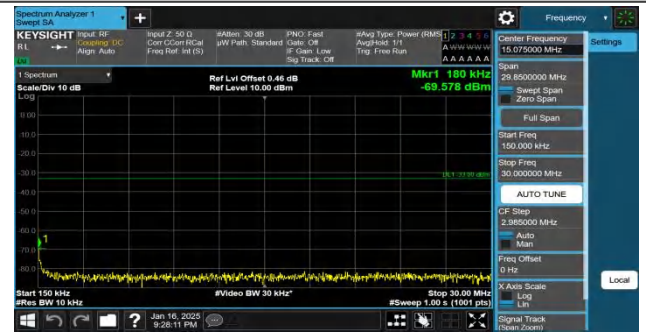
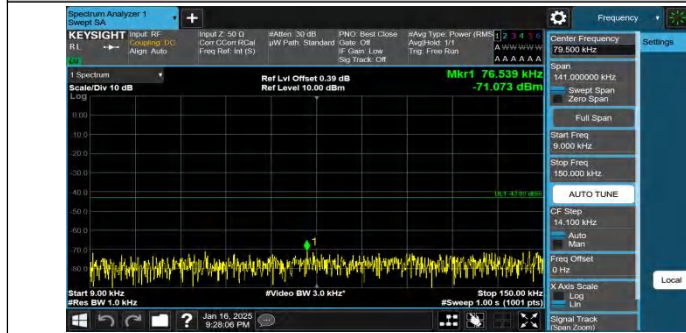
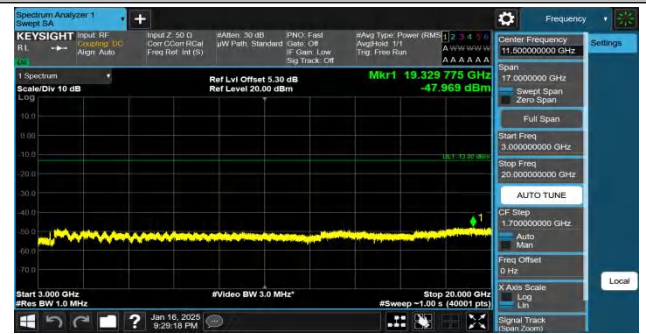
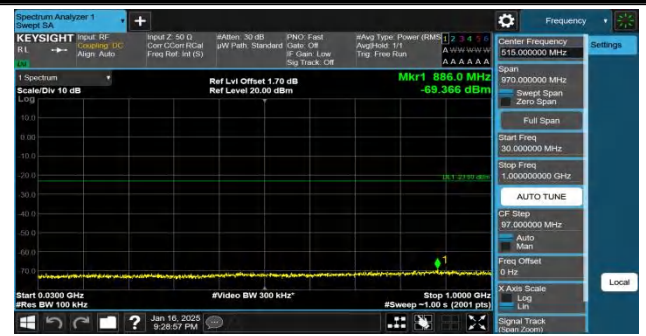
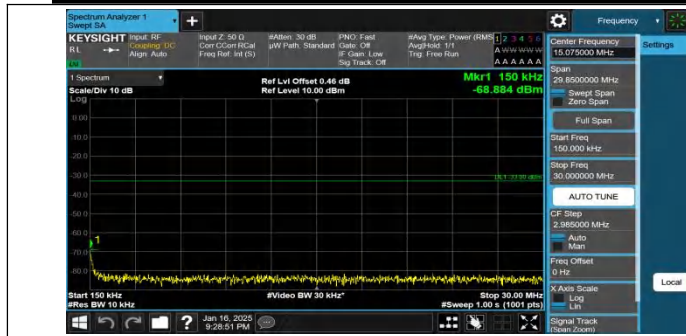


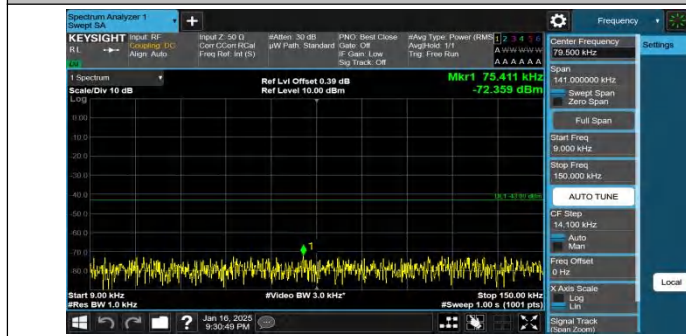
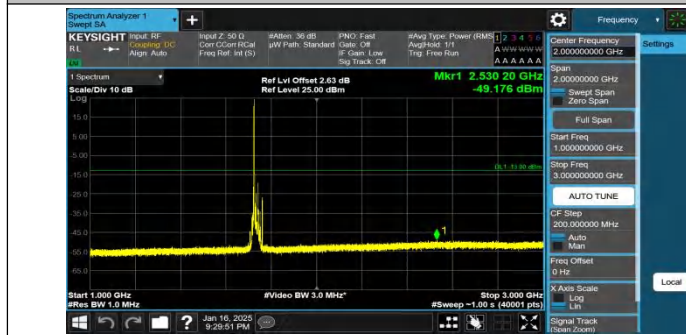
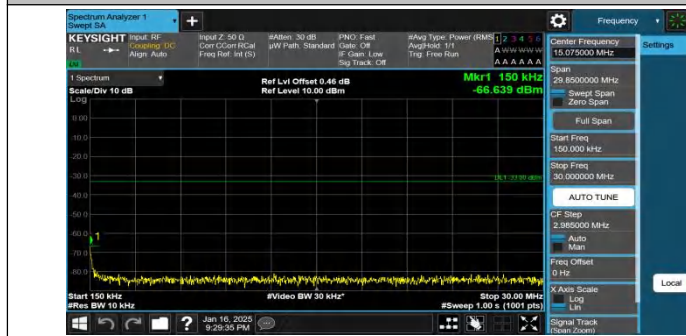
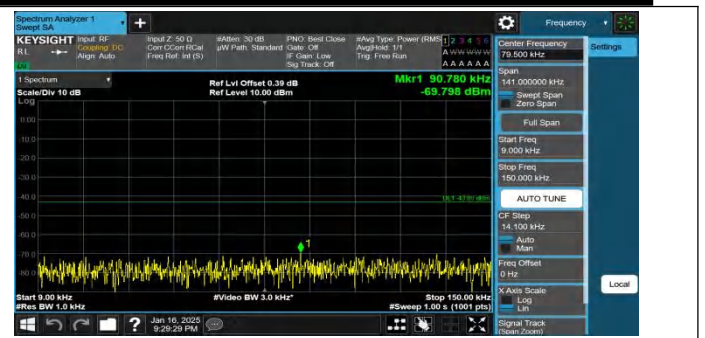
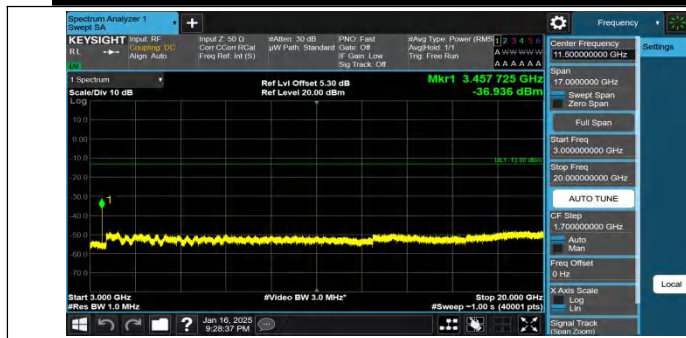
Band4-15MHz-QPSK-20325-1RB#74-0.15~30-PASS

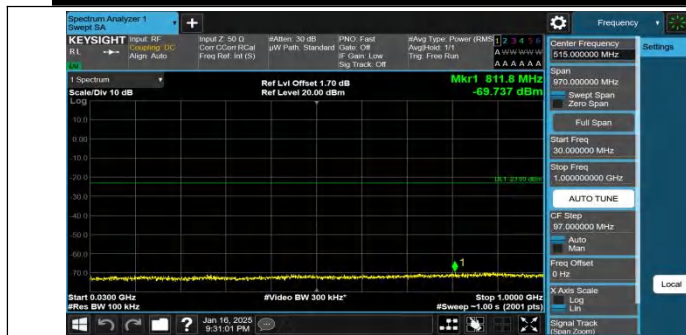


Band4-15MHz-QPSK-20325-1RB#74-30~1000-PASS

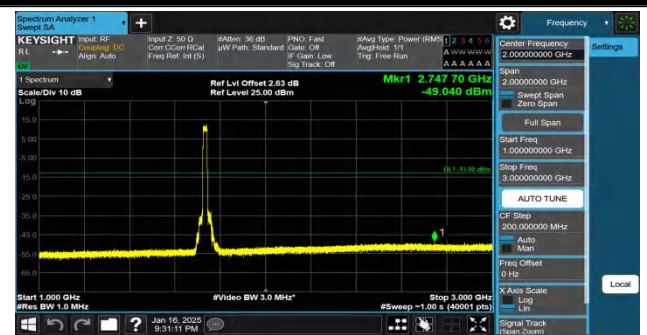




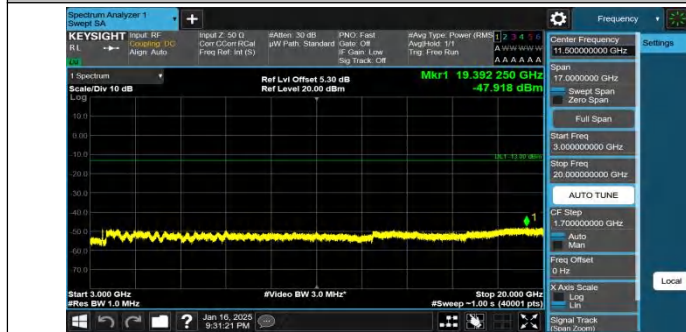




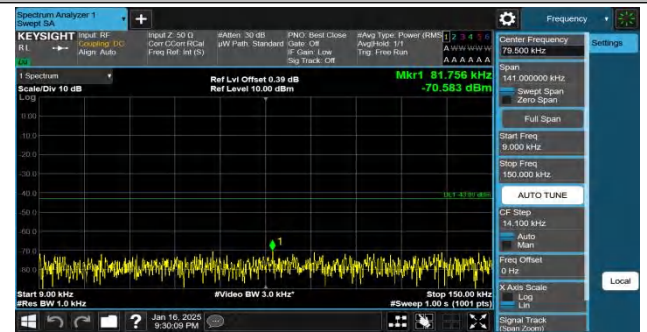
Band4-20MHz-QPSK-20175-100RB#0-30~1000-PASS



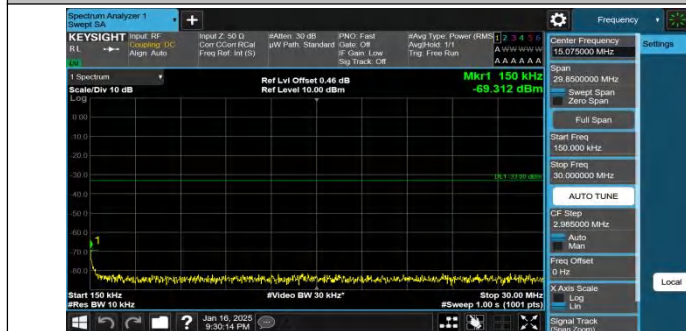
Band4-20MHz-QPSK-20175-100RB#0-1000~3000-PASS



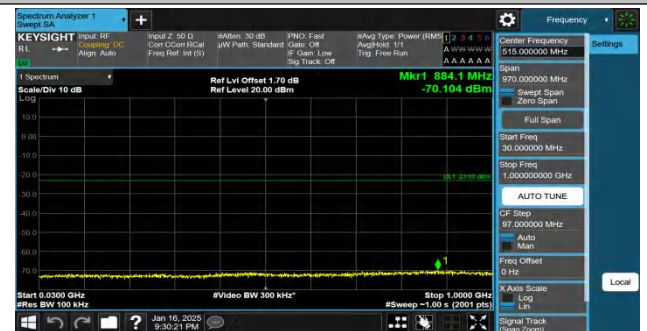
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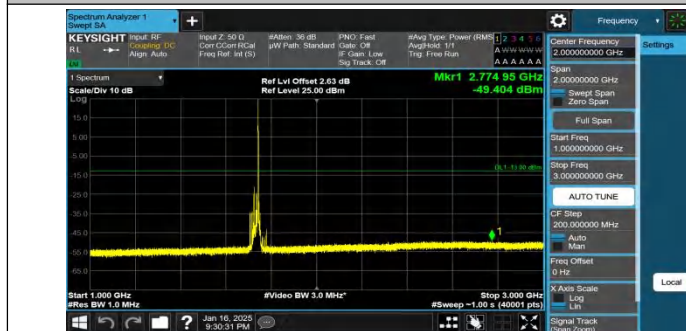
Band4-20MHz-QPSK-20175-1RB#99-0.009~0.15-PASS



Band4-20MHz-QPSK-20175-1RB#99-0.15~30-PASS



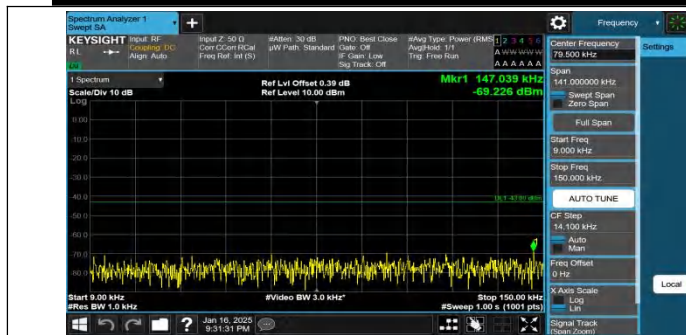
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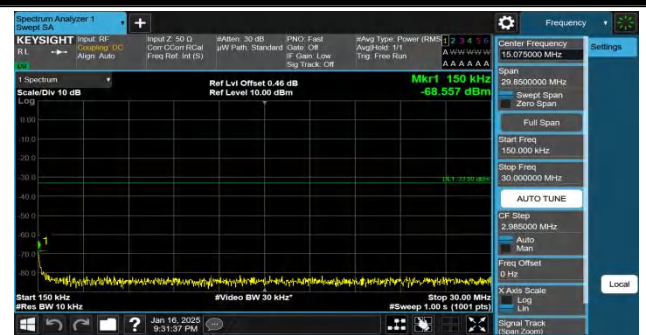
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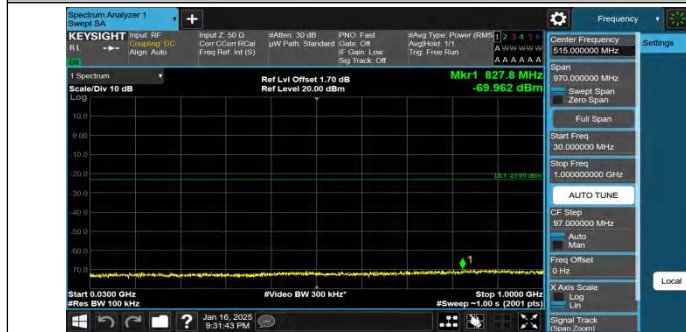
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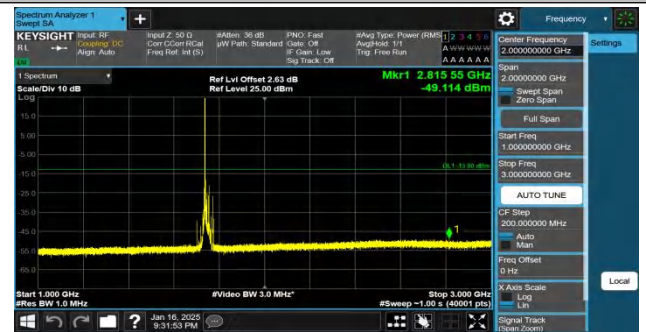
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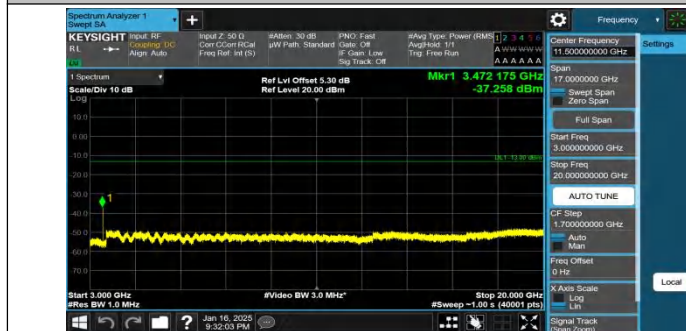
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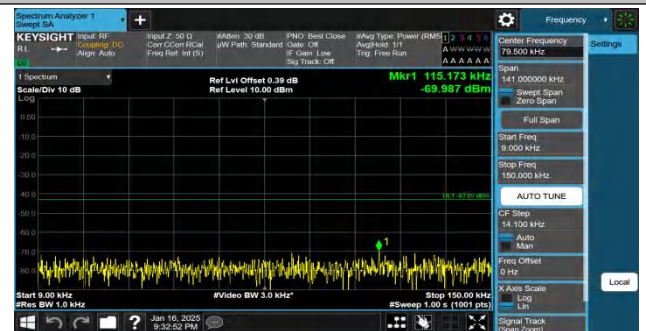
Band4-20MHz-QPSK-20300-1RB#0-30~1000-PASS



Band4-20MHz-QPSK-20300-1RB#0-1000~3000-PASS



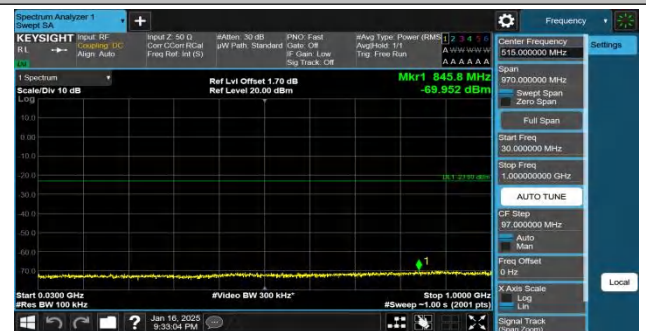
Band4-20MHz-QPSK-20300-1RB#0-3000~20000-PASS



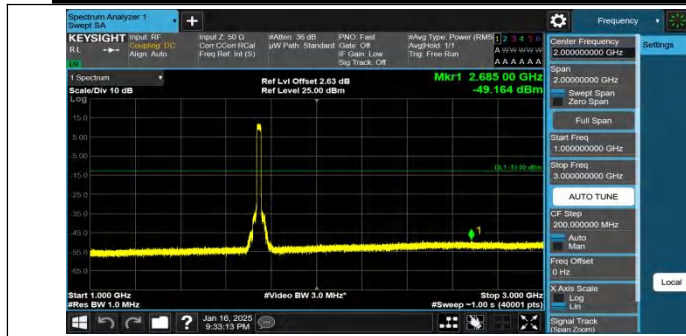
Band4-20MHz-QPSK-20300-100RB#0-0.009~0.15-PASS



Band4-20MHz-QPSK-20300-100RB#0-0.15~30-PASS



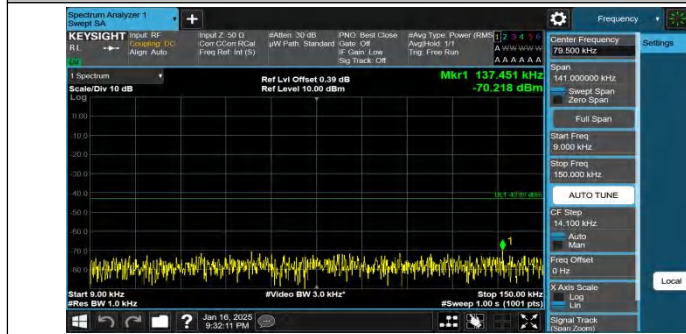
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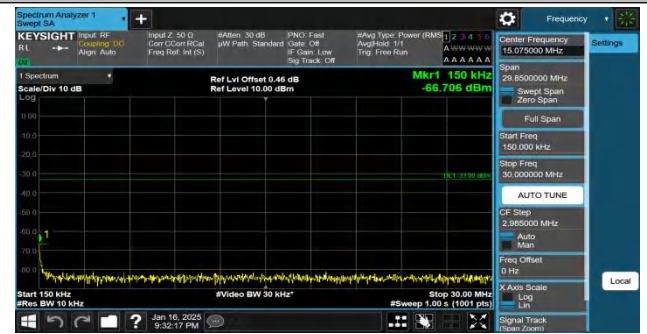
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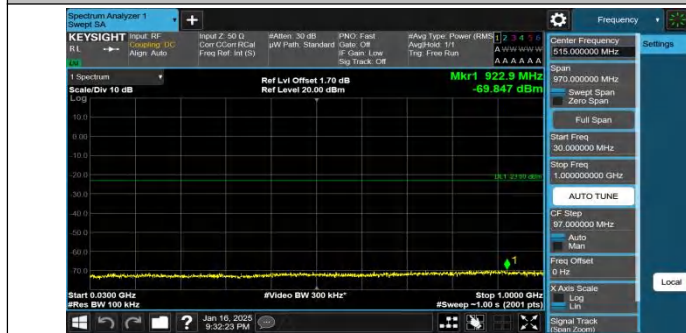
Band4-20MHz-QPSK-20300-100RB#0-3000~20000-PASS



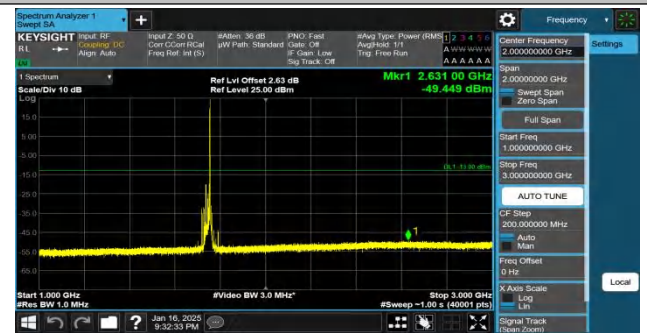
Band4-20MHz-QPSK-20300-1RB#99-0.009~0.15-PASS



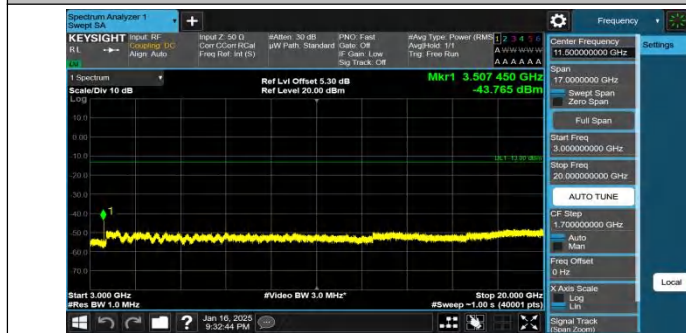
Band4-20MHz-QPSK-20300-1RB#99-0.15~30-PASS



Band4-20MHz-QPSK-20300-1RB#99-30~1000-PASS



Band4-20MHz-QPSK-20300-1RB#99-1000~3000-PASS



Band4-20MHz-QPSK-20300-1RB#99-3000~20000-PASS

## Frequency Stability

### Test Result

| Voltage |           |            |         |                  |               |                  |                |                 |             |            |            |             |         |
|---------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|------------|------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | FL (MHz)   | FH (MHz)   | Limit (MHz) | Verdict |
| Band 4  | 20MHz     | QPSK       | 20175   | 100RB#0          | VN            | NT               | 18450.00       | 10.649351       | ±NA         | 1723.60145 | 1741.43545 | 1710-1755   | PASS    |
| Band 4  | 20MHz     | QPSK       | 20175   | 100RB#0          | VL            | NT               | 19810.00       | 11.434343       | ±NA         | 1723.60381 | 1741.43581 | 1710-1755   | PASS    |
| Band 4  | 20MHz     | QPSK       | 20175   | 100RB#0          | VH            | NT               | 18000.00       | 10.389610       | ±NA         | 1723.6005  | 1741.4355  | 1710-1755   | PASS    |

| Temperature |           |            |         |                  |               |                  |                |                 |             |            |            |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|------------|------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | FL (MHz)   | FH (MHz)   | Limit (MHz) | Verdict |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | -30              | 17500.00       | 10.101010       | ±NA         | 1723.604   | 1741.431   | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | -20              | 23050.00       | 13.304473       | ±NA         | 1723.60405 | 1741.44205 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | -10              | 21450.00       | 12.380952       | ±NA         | 1723.60545 | 1741.43745 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 0                | 17660.00       | 10.193362       | ±NA         | 1723.60366 | 1741.43166 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 10               | 15640.00       | 9.027417        | ±NA         | 1723.60364 | 1741.42764 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 20               | 25180.00       | 14.533911       | ±NA         | 1723.60368 | 1741.44668 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 30               | 20380.00       | 11.763348       | ±NA         | 1723.60138 | 1741.43938 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 40               | 22550.00       | 13.015873       | ±NA         | 1723.60355 | 1741.44155 | 1710-1755   | PASS    |
| Band 4      | 20MHz     | QPSK       | 20175   | 100RB#0          | NV            | 50               | 20290.00       | 11.711400       | ±NA         | 1723.60679 | 1741.43379 | 1710-1755   | PASS    |

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