

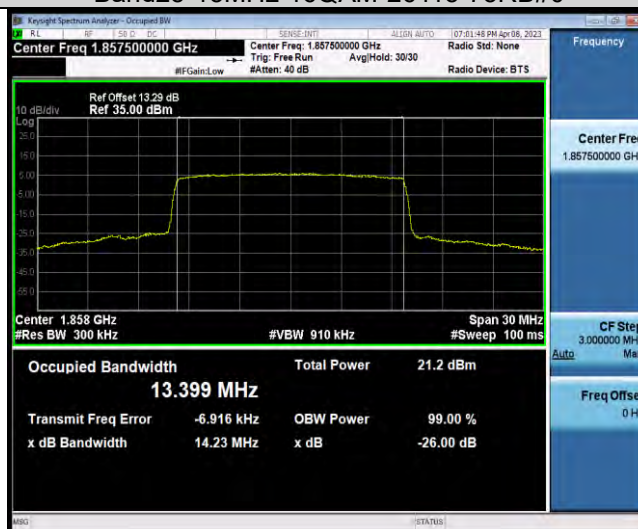


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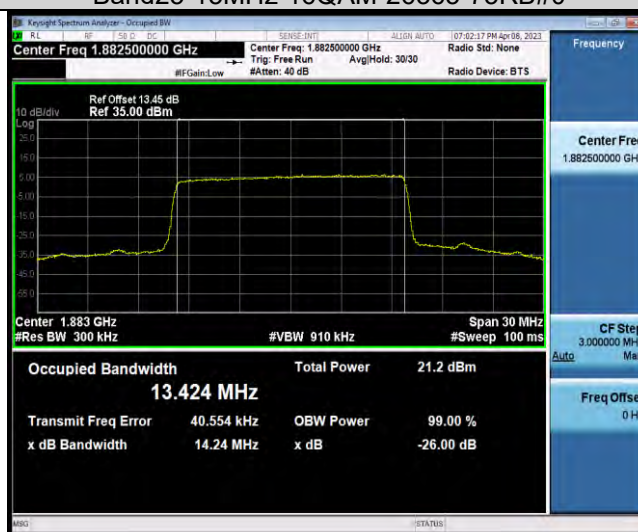
Test Report No.: W7L-P23030025RF05



Band25-15MHz-16QAM-26115-75RB#0



Band25-15MHz-16QAM-26365-75RB#0



Band25-15MHz-16QAM-26615-75RB#0

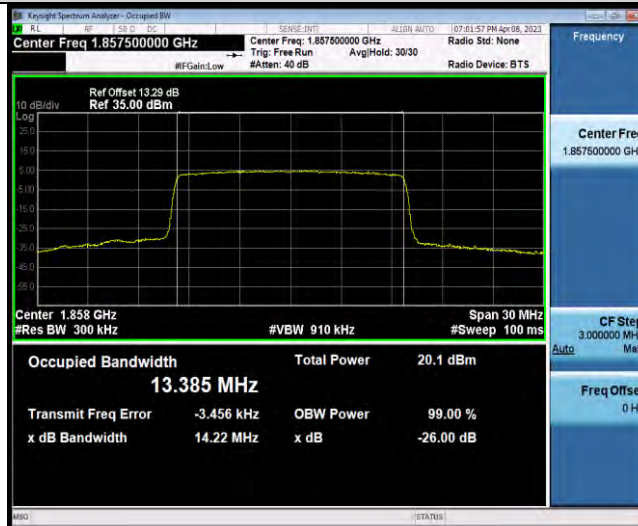


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Test Report No.: W7L-P23030025RF05



Band25-15MHz-64QAM-26115-75RB#0



Band25-15MHz-64QAM-26365-75RB#0



Band25-15MHz-64QAM-26615-75RB#0



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Test Report No.: W7L-P23030025RF05



Band25-20MHz-QPSK-26140-100RB#0



Band25-20MHz-QPSK-26365-100RB#0



Band25-20MHz-QPSK-26590-100RB#0



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Test Report No.: W7L-P23030025RF05



Band25-20MHz-16QAM-26140-100RB#0



Band25-20MHz-16QAM-26365-100RB#0



Band25-20MHz-16QAM-26590-100RB#0



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Test Report No.: W7L-P23030025RF05



Band25-20MHz-64QAM-26140-100RB#0



Band25-20MHz-64QAM-26365-100RB#0



Band25-20MHz-64QAM-26590-100RB#0



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## Test Report No.: W7L-P23030025RF05



**BAND EDGE****Test Result**

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm)   | Verdict |
|--------|-----------|------------|---------|------------------|---------------|---------|
| Band25 | 1.4MHz    | QPSK       | 26047   | 1RB#0            | -32.59,-27.10 | PASS    |
| Band25 | 1.4MHz    | QPSK       | 26047   | 6RB#0            | -28.07,-27.48 | PASS    |
| Band25 | 1.4MHz    | QPSK       | 26683   | 1RB#5            | -29.06,-23.36 | PASS    |
| Band25 | 1.4MHz    | QPSK       | 26683   | 6RB#0            | -28.62,-30.11 | PASS    |
| Band25 | 1.4MHz    | 16QAM      | 26047   | 1RB#0            | -33.94,-28.99 | PASS    |
| Band25 | 1.4MHz    | 16QAM      | 26047   | 6RB#0            | -26.43,-24.23 | PASS    |
| Band25 | 1.4MHz    | 16QAM      | 26683   | 1RB#5            | -29.27,-26.40 | PASS    |
| Band25 | 1.4MHz    | 16QAM      | 26683   | 6RB#0            | -28.36,-30.91 | PASS    |
| Band25 | 1.4MHz    | 64QAM      | 26047   | 1RB#0            | -36.25,-30.17 | PASS    |
| Band25 | 1.4MHz    | 64QAM      | 26047   | 6RB#0            | -29.39,-28.97 | PASS    |
| Band25 | 1.4MHz    | 64QAM      | 26683   | 1RB#5            | -32.24,-28.74 | PASS    |
| Band25 | 1.4MHz    | 64QAM      | 26683   | 6RB#0            | -30.49,-32.28 | PASS    |
| Band25 | 3MHz      | QPSK       | 26055   | 1RB#0            | -35.79,-27.99 | PASS    |
| Band25 | 3MHz      | QPSK       | 26055   | 15RB#0           | -18.64,-20.16 | PASS    |
| Band25 | 3MHz      | QPSK       | 26675   | 1RB#14           | -32.23,-30.65 | PASS    |
| Band25 | 3MHz      | QPSK       | 26675   | 15RB#0           | -27.58,-27.28 | PASS    |
| Band25 | 3MHz      | 16QAM      | 26055   | 1RB#0            | -37.09,-29.40 | PASS    |
| Band25 | 3MHz      | 16QAM      | 26055   | 15RB#0           | -21.69,-23.01 | PASS    |
| Band25 | 3MHz      | 16QAM      | 26675   | 1RB#14           | -27.53,-33.01 | PASS    |
| Band25 | 3MHz      | 16QAM      | 26675   | 15RB#0           | -26.37,-24.89 | PASS    |
| Band25 | 3MHz      | 64QAM      | 26055   | 1RB#0            | -38.23,-30.39 | PASS    |
| Band25 | 3MHz      | 64QAM      | 26055   | 15RB#0           | -24.84,-26.24 | PASS    |
| Band25 | 3MHz      | 64QAM      | 26675   | 1RB#14           | -34.91,-35.03 | PASS    |
| Band25 | 3MHz      | 64QAM      | 26675   | 15RB#0           | -28.24,-27.01 | PASS    |
| Band25 | 5MHz      | QPSK       | 26065   | 1RB#0            | -36.58,-31.29 | PASS    |
| Band25 | 5MHz      | QPSK       | 26065   | 25RB#0           | -18.60,-23.57 | PASS    |
| Band25 | 5MHz      | QPSK       | 26665   | 1RB#24           | -31.25,-33.64 | PASS    |
| Band25 | 5MHz      | QPSK       | 26665   | 25RB#0           | -26.14,-21.59 | PASS    |
| Band25 | 5MHz      | 16QAM      | 26065   | 1RB#0            | -38.18,-35.80 | PASS    |
| Band25 | 5MHz      | 16QAM      | 26065   | 25RB#0           | -21.15,-26.13 | PASS    |
| Band25 | 5MHz      | 16QAM      | 26665   | 1RB#24           | -32.75,-35.68 | PASS    |
| Band25 | 5MHz      | 16QAM      | 26665   | 25RB#0           | -27.91,-24.18 | PASS    |
| Band25 | 5MHz      | 64QAM      | 26065   | 1RB#0            | -39.01,-32.30 | PASS    |
| Band25 | 5MHz      | 64QAM      | 26065   | 25RB#0           | -26.21,-29.70 | PASS    |
| Band25 | 5MHz      | 64QAM      | 26665   | 1RB#24           | -37.30,-36.12 | PASS    |
| Band25 | 5MHz      | 64QAM      | 26665   | 25RB#0           | -31.30,-28.22 | PASS    |
| Band25 | 10MHz     | QPSK       | 26090   | 1RB#0            | -36.53,-41.41 | PASS    |
| Band25 | 10MHz     | QPSK       | 26090   | 50RB#0           | -21.10,-23.22 | PASS    |
| Band25 | 10MHz     | QPSK       | 26640   | 1RB#49           | -41.89,-32.19 | PASS    |
| Band25 | 10MHz     | QPSK       | 26640   | 50RB#0           | -31.00,-30.80 | PASS    |
| Band25 | 10MHz     | 16QAM      | 26090   | 1RB#0            | -37.60,-47.18 | PASS    |
| Band25 | 10MHz     | 16QAM      | 26090   | 50RB#0           | -24.49,-26.35 | PASS    |
| Band25 | 10MHz     | 16QAM      | 26640   | 1RB#49           | -42.98,-33.31 | PASS    |



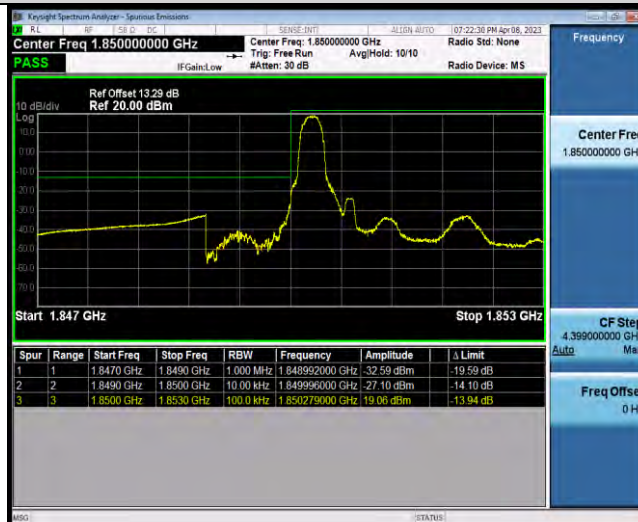
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**VERITAS**

**Test Report No.: W7L-P23030025RF05**

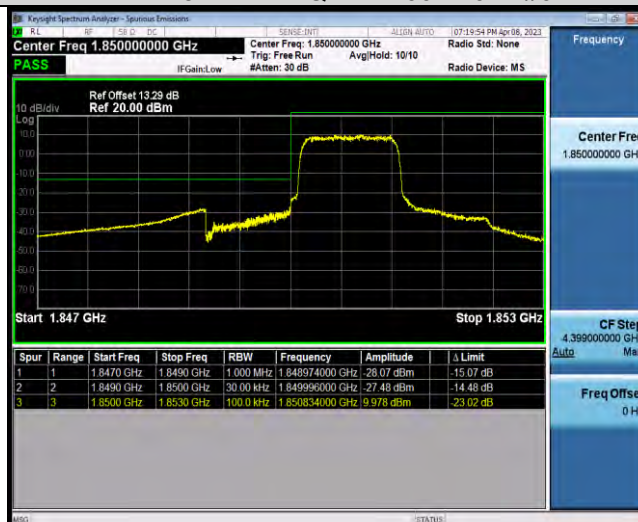
|        |       |       |       |         |               |      |
|--------|-------|-------|-------|---------|---------------|------|
| Band25 | 10MHz | 16QAM | 26640 | 50RB#0  | -32.97,-32.17 | PASS |
| Band25 | 10MHz | 64QAM | 26090 | 1RB#0   | -38.93,-44.76 | PASS |
| Band25 | 10MHz | 64QAM | 26090 | 50RB#0  | -28.88,-31.05 | PASS |
| Band25 | 10MHz | 64QAM | 26640 | 1RB#49  | -44.36,-36.45 | PASS |
| Band25 | 10MHz | 64QAM | 26640 | 50RB#0  | -34.92,-33.83 | PASS |
| Band25 | 15MHz | QPSK  | 26115 | 1RB#0   | -35.65,-42.05 | PASS |
| Band25 | 15MHz | QPSK  | 26115 | 75RB#0  | -21.17,-24.71 | PASS |
| Band25 | 15MHz | QPSK  | 26615 | 1RB#74  | -41.77,-34.35 | PASS |
| Band25 | 15MHz | QPSK  | 26615 | 75RB#0  | -31.96,-27.52 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 1RB#0   | -37.27,-41.57 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 75RB#0  | -24.54,-28.20 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 1RB#74  | -44.84,-35.20 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 75RB#0  | -33.76,-30.29 | PASS |
| Band25 | 15MHz | 64QAM | 26115 | 1RB#0   | -38.72,-46.58 | PASS |
| Band25 | 15MHz | 64QAM | 26115 | 75RB#0  | -29.98,-32.68 | PASS |
| Band25 | 15MHz | 64QAM | 26615 | 1RB#74  | -45.20,-36.48 | PASS |
| Band25 | 15MHz | 64QAM | 26615 | 75RB#0  | -35.69,-31.50 | PASS |
| Band25 | 20MHz | QPSK  | 26140 | 1RB#0   | -37.79,-47.11 | PASS |
| Band25 | 20MHz | QPSK  | 26140 | 100RB#0 | -28.06,-31.85 | PASS |
| Band25 | 20MHz | QPSK  | 26590 | 1RB#99  | -48.92,-39.04 | PASS |
| Band25 | 20MHz | QPSK  | 26590 | 100RB#0 | -33.02,-29.64 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 1RB#0   | -38.97,-48.56 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 100RB#0 | -29.53,-32.45 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 1RB#99  | -48.47,-40.48 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 100RB#0 | -34.73,-31.79 | PASS |
| Band25 | 20MHz | 64QAM | 26140 | 1RB#0   | -39.69,-47.18 | PASS |
| Band25 | 20MHz | 64QAM | 26140 | 100RB#0 | -33.46,-36.83 | PASS |
| Band25 | 20MHz | 64QAM | 26590 | 1RB#99  | -47.98,-41.04 | PASS |
| Band25 | 20MHz | 64QAM | 26590 | 100RB#0 | -36.73,-33.56 | PASS |

## Test Graphs

Band25-1.4MHz-QPSK-26047-1RB#0



Band25-1.4MHz-QPSK-26047-6RB#0



Band25-1.4MHz-QPSK-26683-1RB#5



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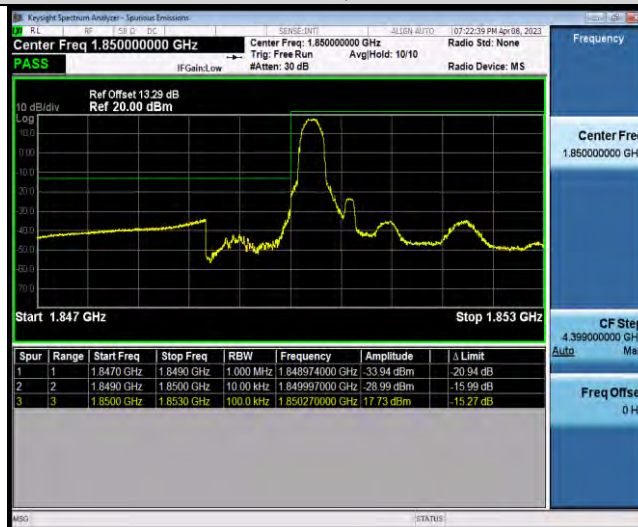
Test Report No.: W7L-P23030025RF05



Band25-1.4MHz-QPSK-26683-6RB#0



Band25-1.4MHz-16QAM-26047-1RB#0

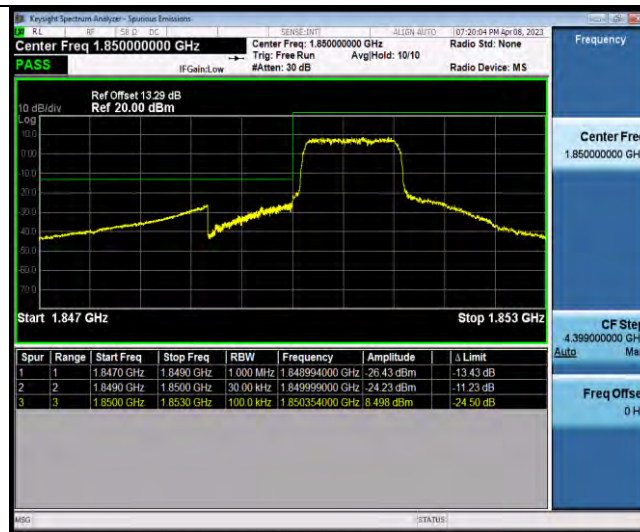


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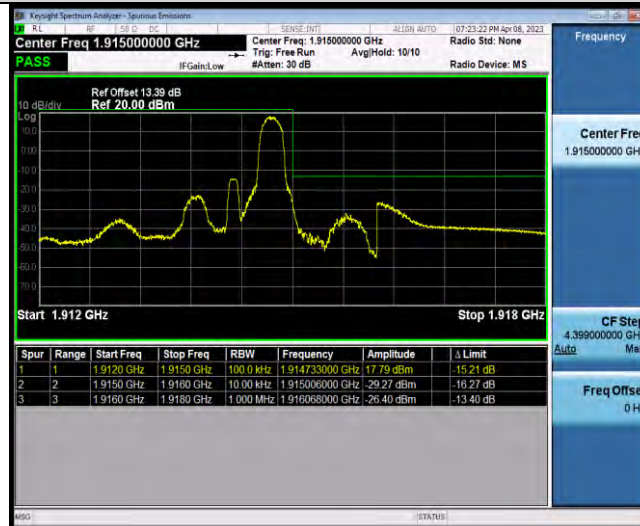


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Test Report No.: W7L-P23030025RF05



Band25-1.4MHz-16QAM-26683-1RB#5



Band25-1.4MHz-16QAM-26683-6RB#0

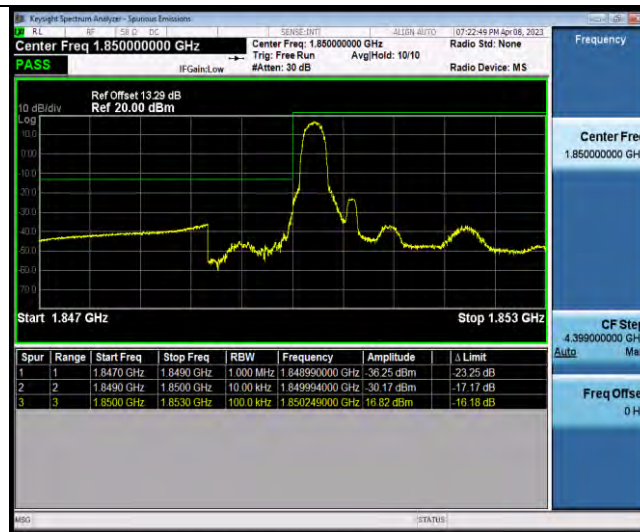


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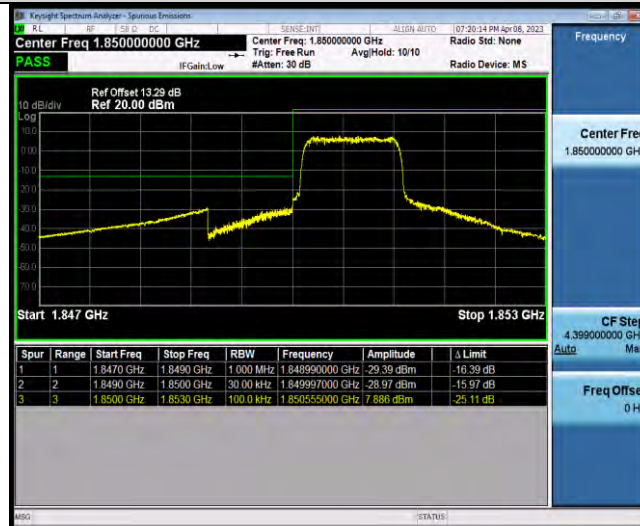


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Test Report No.: W7L-P23030025RF05



Band25-1.4MHz-64QAM-26047-6RB#0



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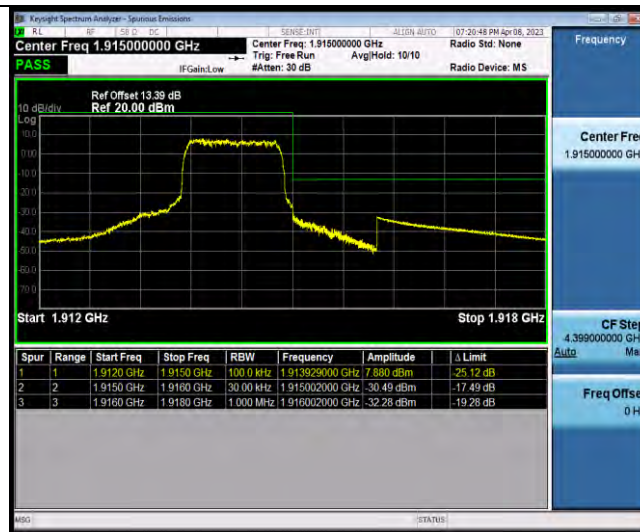


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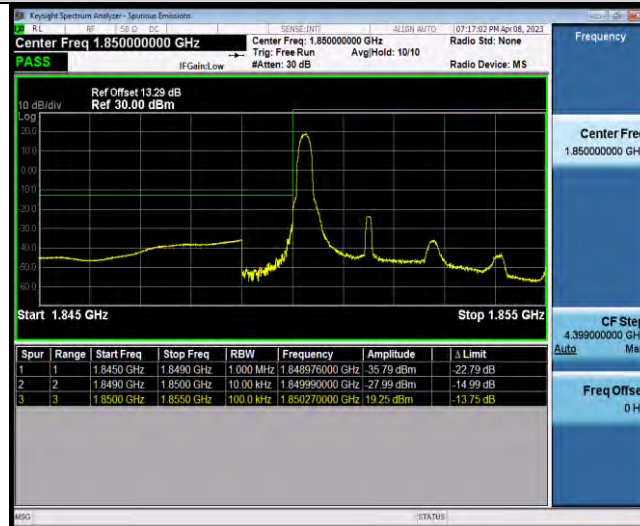


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Test Report No.: W7L-P23030025RF05



Band25-3MHz-QPSK-26055-1RB#0



Band25-3MHz-QPSK-26055-15RB#0

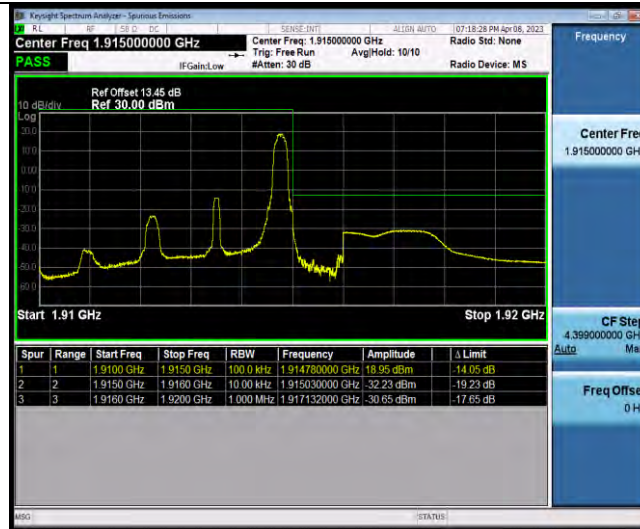


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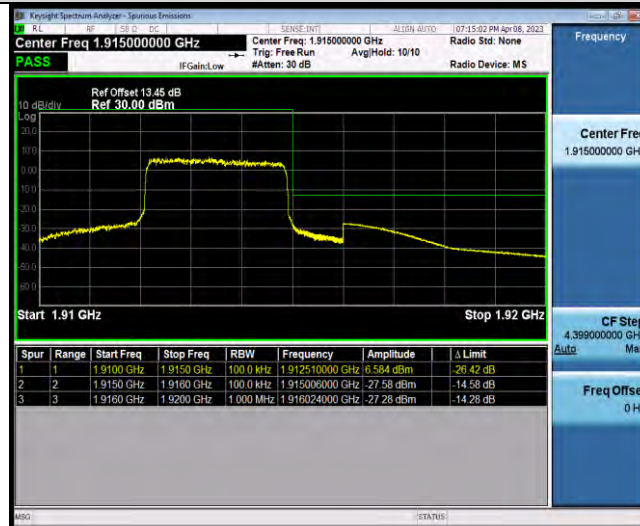


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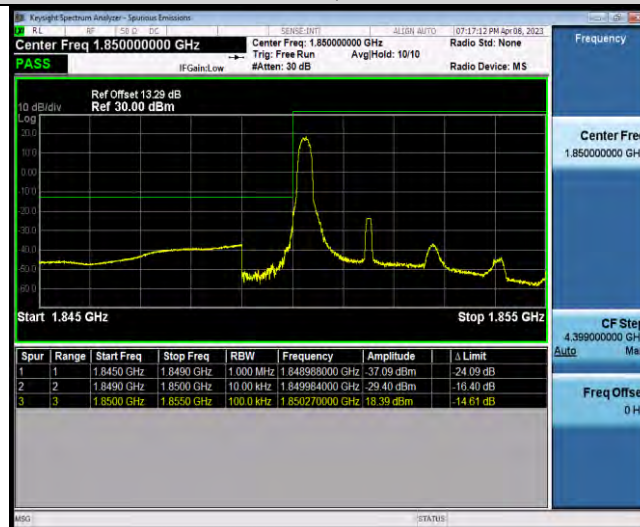
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Band25-3MHz-16QAM-26055-1RB#0

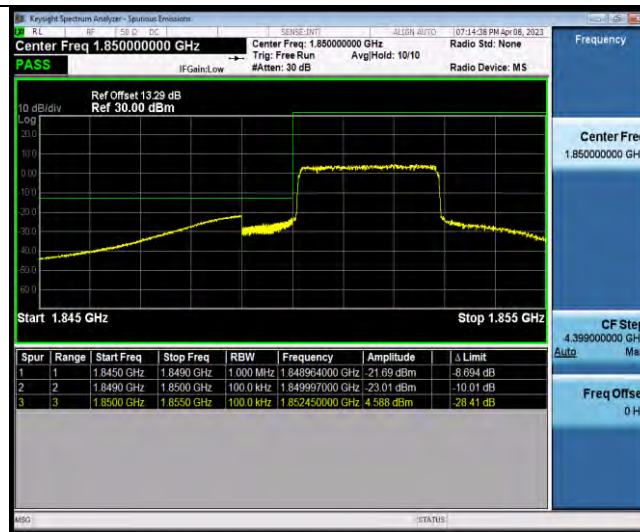


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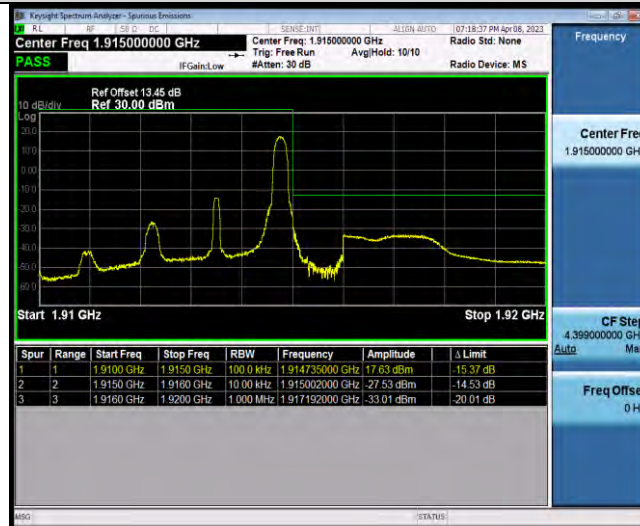


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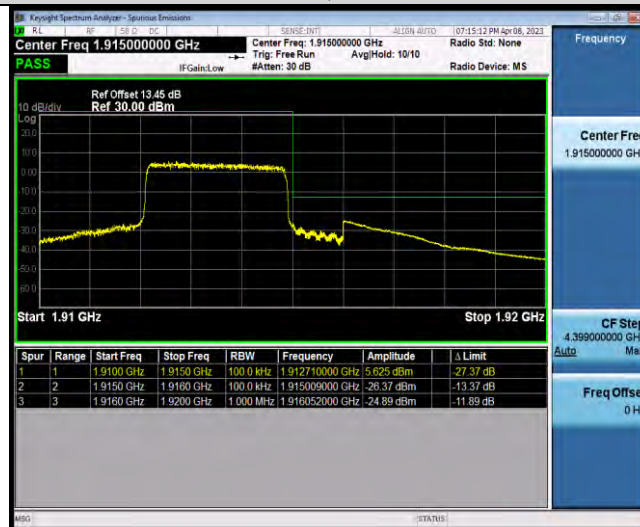
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Band25-3MHz-16QAM-26675-1RB#14



Band25-3MHz-16QAM-26675-15RB#0

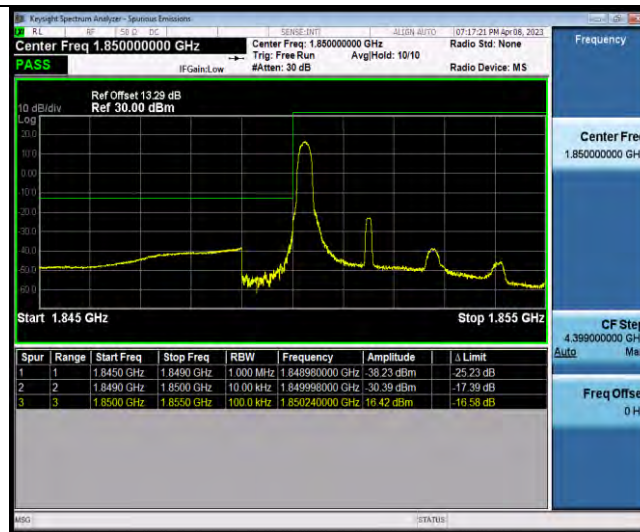


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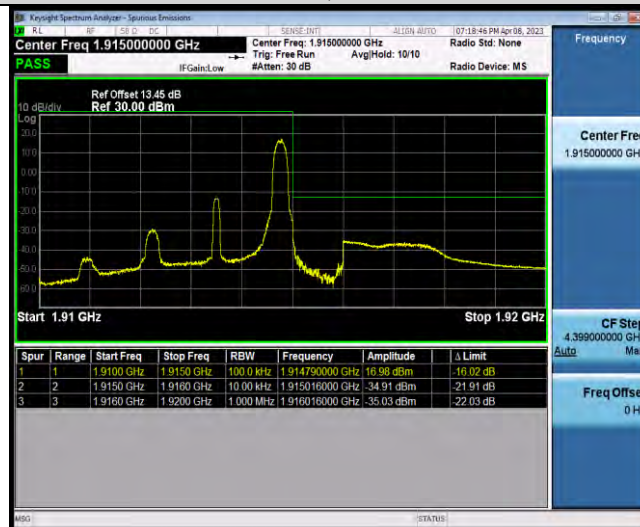
Test Report No.: W7L-P23030025RF05



Band25-3MHz-64QAM-26055-15RB#0



Band25-3MHz-64QAM-26675-1RB#14

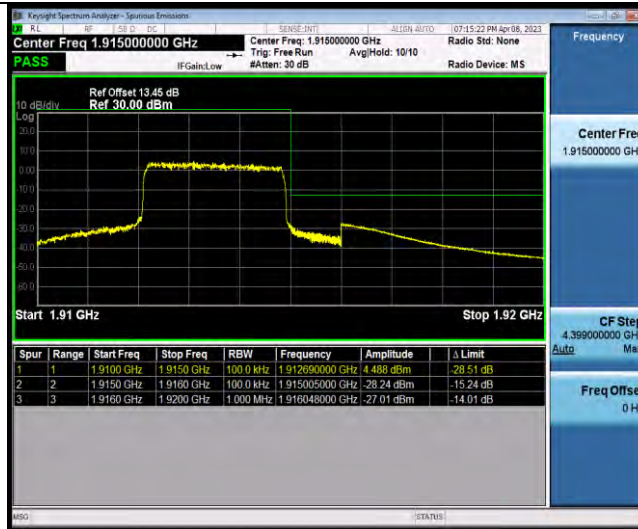


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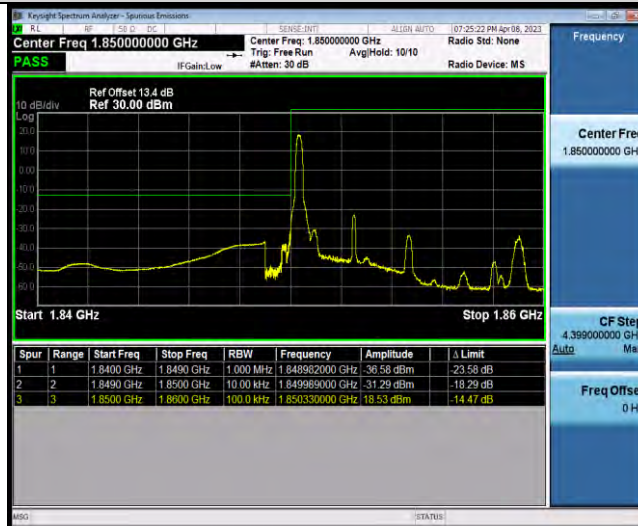


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Test Report No.: W7L-P23030025RF05



Band25-5MHz-QPSK-26065-1RB#0



Band25-5MHz-QPSK-26065-25RB#0

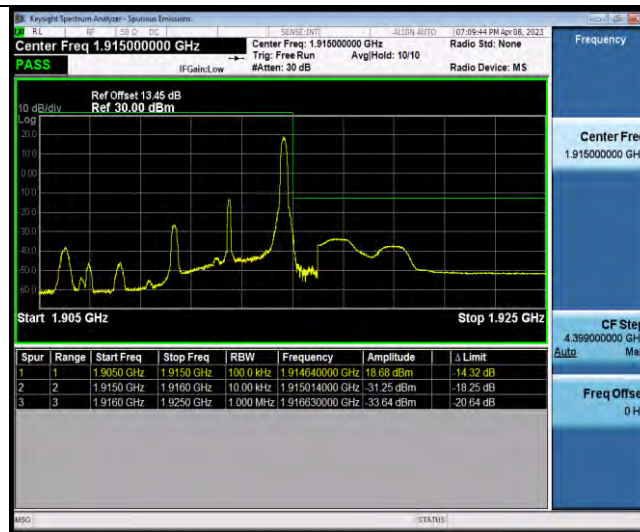


Band25-5MHz-QPSK-26665-1RB#24



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Test Report No.: W7L-P23030025RF05



Band25-5MHz-QPSK-26665-25RB#0



Band25-5MHz-16QAM-26065-1RB#0



Band25-5MHz-16QAM-26065-25RB#0

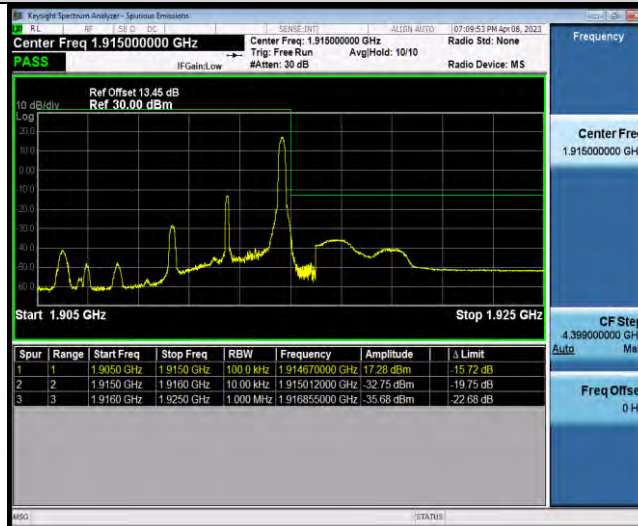


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Test Report No.: W7L-P23030025RF05



Band25-5MHz-16QAM-26665-1RB#24



Band25-5MHz-16QAM-26665-25RB#0

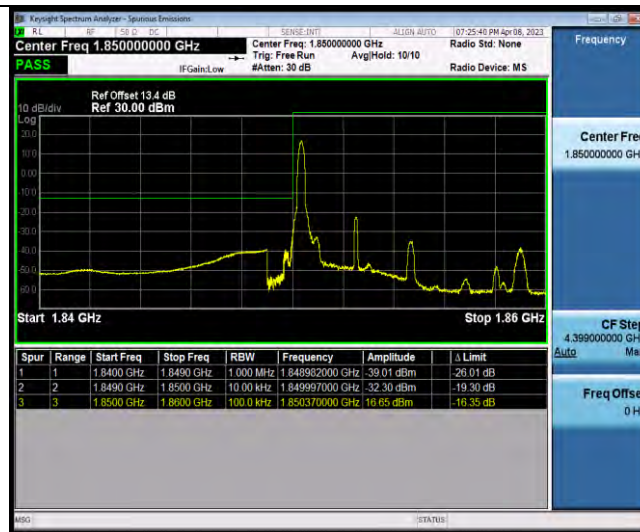


Band25-5MHz-64QAM-26065-1RB#0



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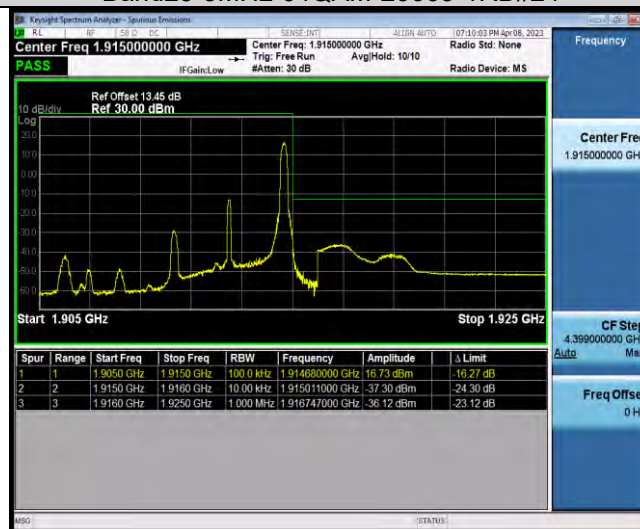
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Band25-5MHz-64QAM-26065-25RB#0



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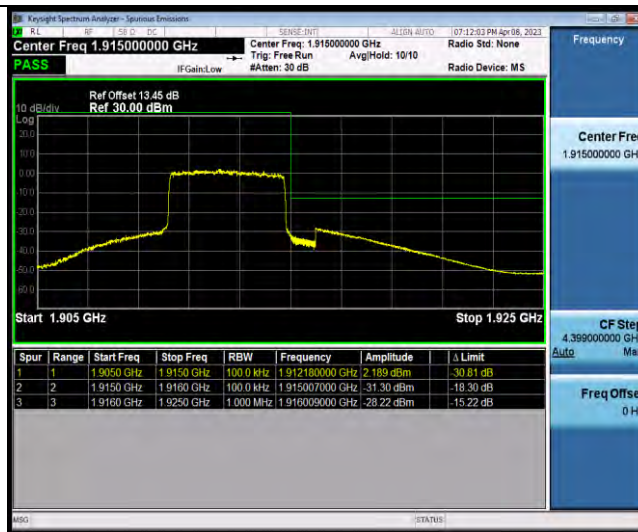


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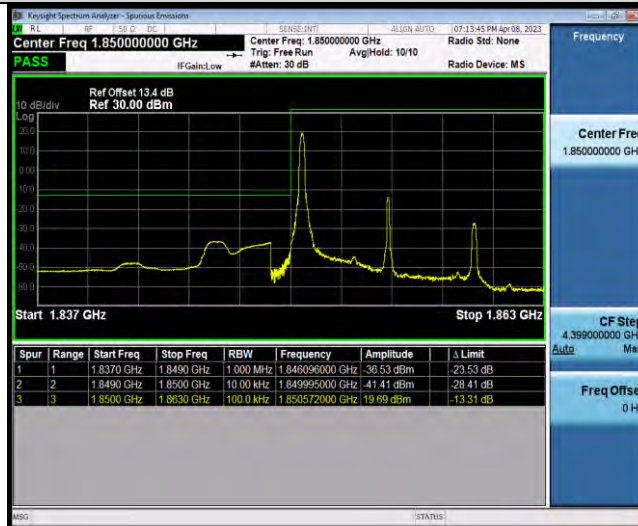


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Test Report No.: W7L-P23030025RF05



Band25-10MHz-QPSK-26090-1RB#0



Band25-10MHz-QPSK-26090-50RB#0

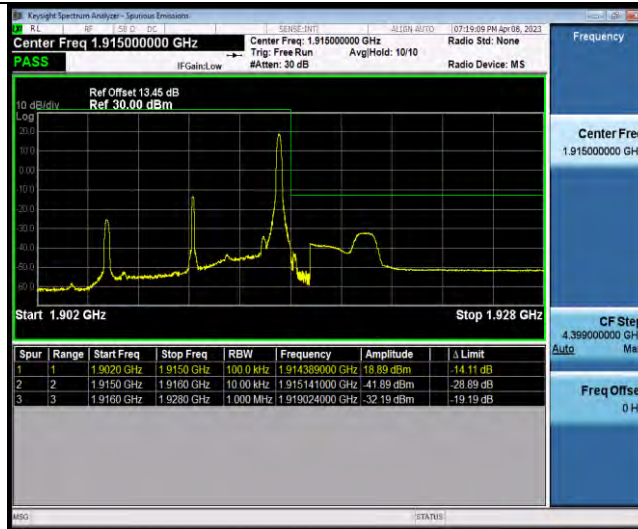


Band25-10MHz-QPSK-26640-1RB#49



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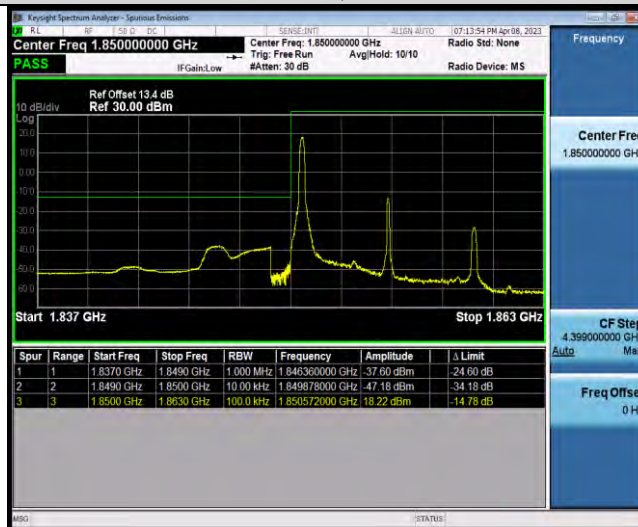
Test Report No.: W7L-P23030025RF05



Band25-10MHz-QPSK-26640-50RB#0



Band25-10MHz-16QAM-26090-1RB#0



Band25-10MHz-16QAM-26090-50RB#0

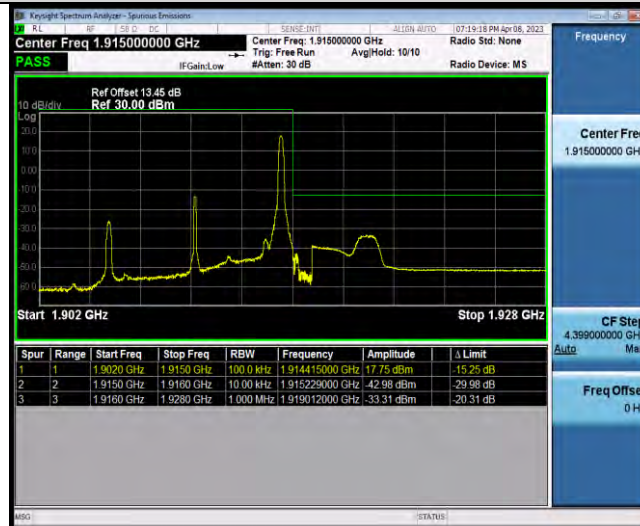


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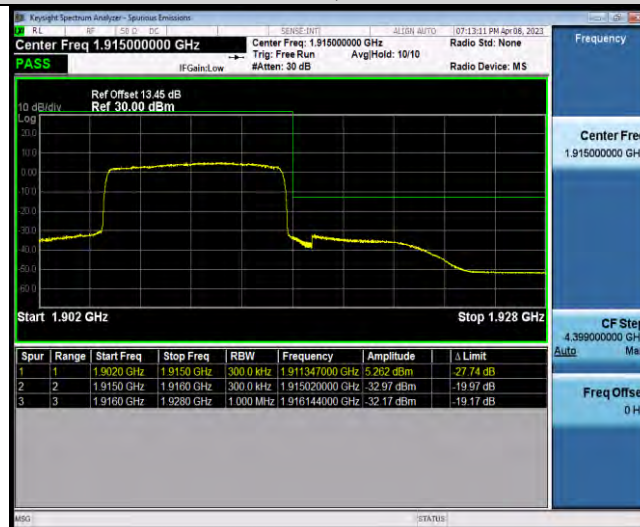
Test Report No.: W7L-P23030025RF05



Band25-10MHz-16QAM-26640-1RB#49



Band25-10MHz-16QAM-26640-50RB#0

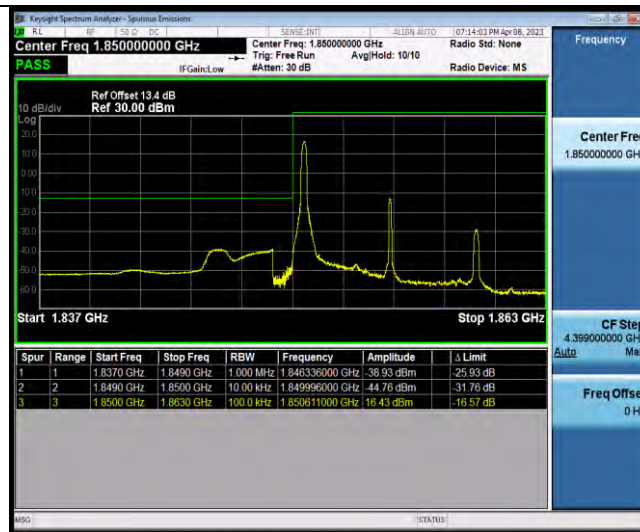


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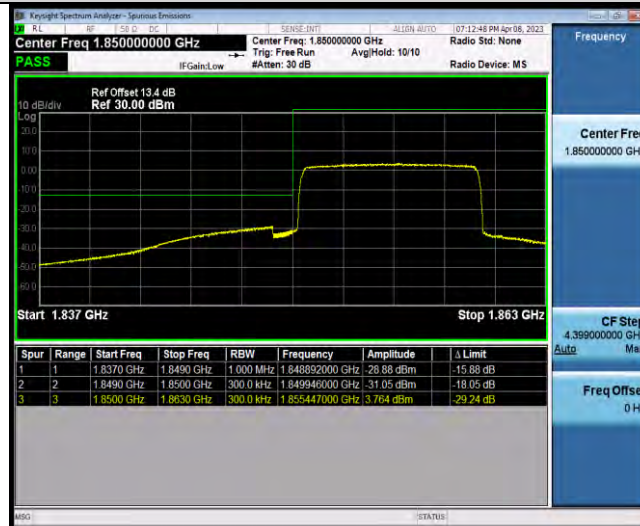


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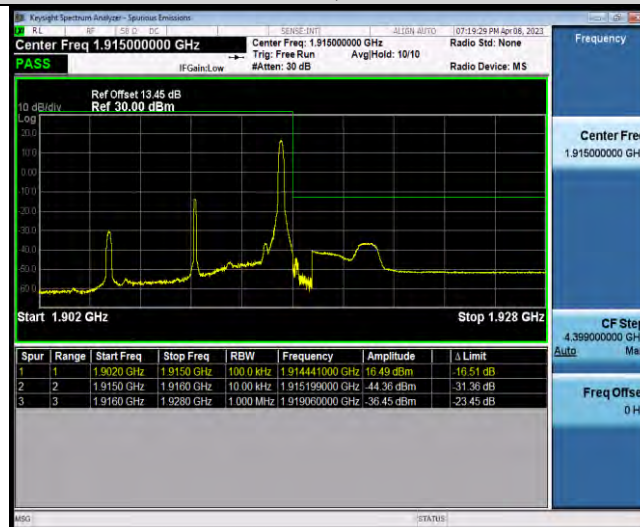
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Band25-10MHz-64QAM-26090-50RB#0



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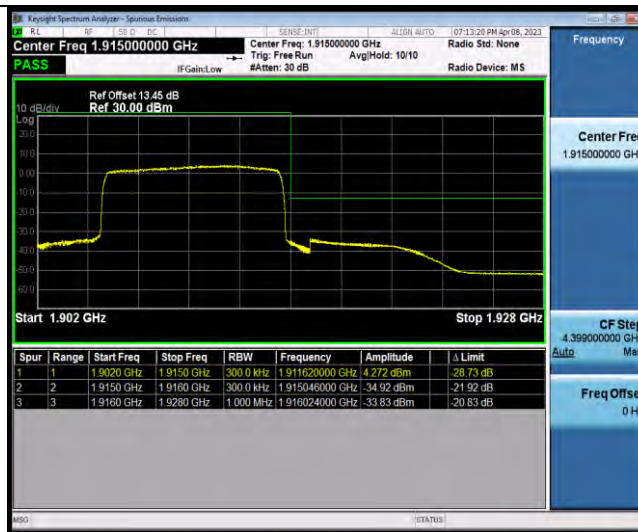


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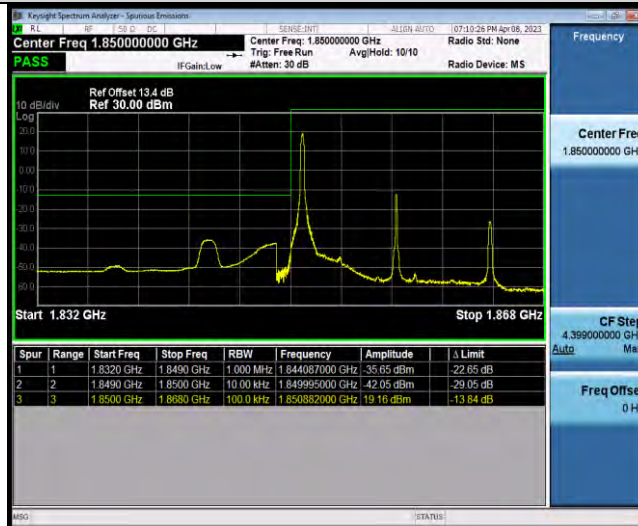


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Test Report No.: W7L-P23030025RF05



Band25-15MHz-QPSK-26115-1RB#0



Band25-15MHz-QPSK-26115-75RB#0

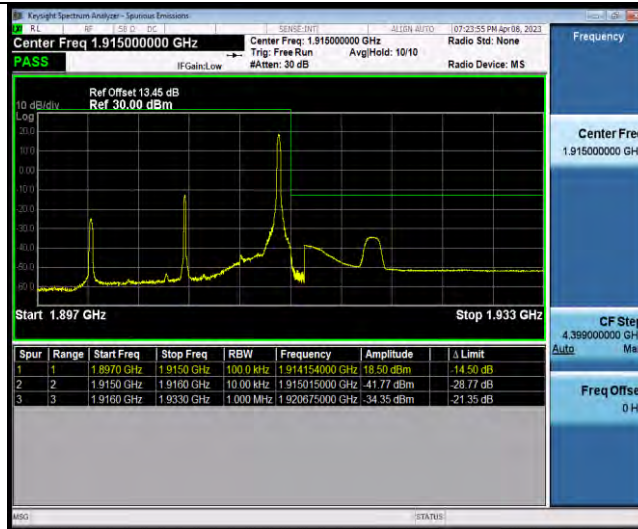


Band25-15MHz-QPSK-26615-1RB#74



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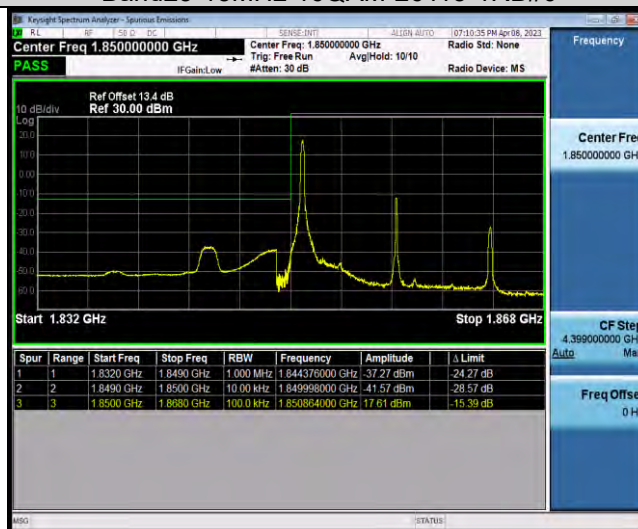
Test Report No.: W7L-P23030025RF05



Band25-15MHz-QPSK-26615-75RB#0



Band25-15MHz-16QAM-26115-1RB#0



Band25-15MHz-16QAM-26115-75RB#0

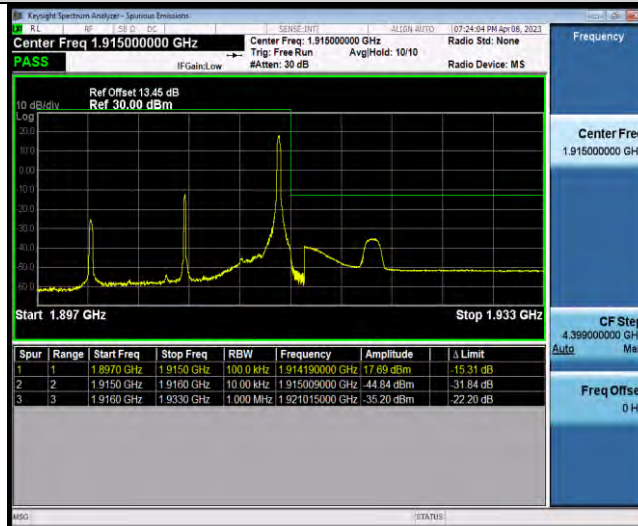


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Test Report No.: W7L-P23030025RF05



Band25-15MHz-16QAM-26615-1RB#74



Band25-15MHz-16QAM-26615-75RB#0

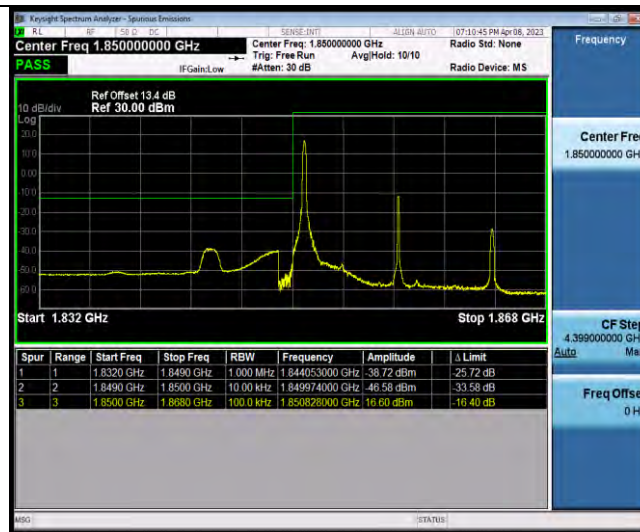


Band25-15MHz-64QAM-26115-1RB#0

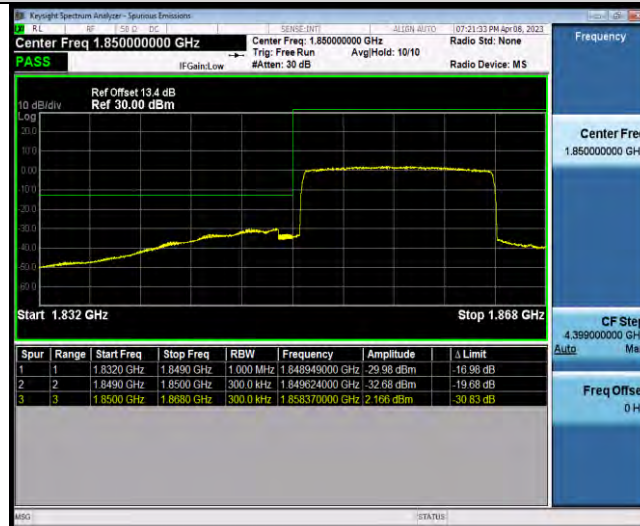


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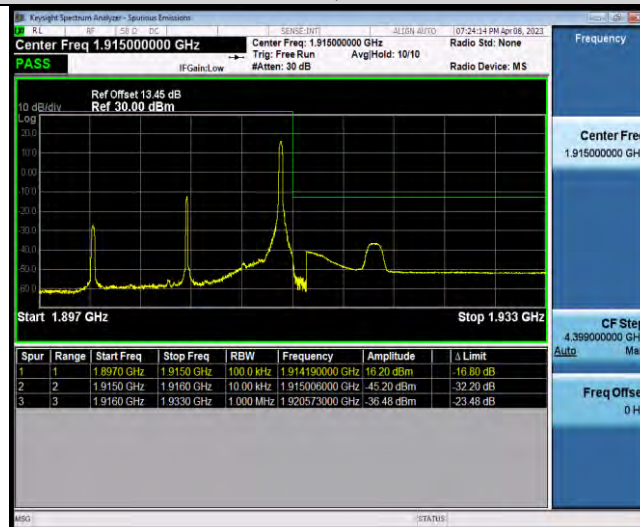
Test Report No.: W7L-P23030025RF05



Band25-15MHz-64QAM-26115-75RB#0



Band25-15MHz-64QAM-26615-1RB#74



Band25-15MHz-64QAM-26615-75RB#0

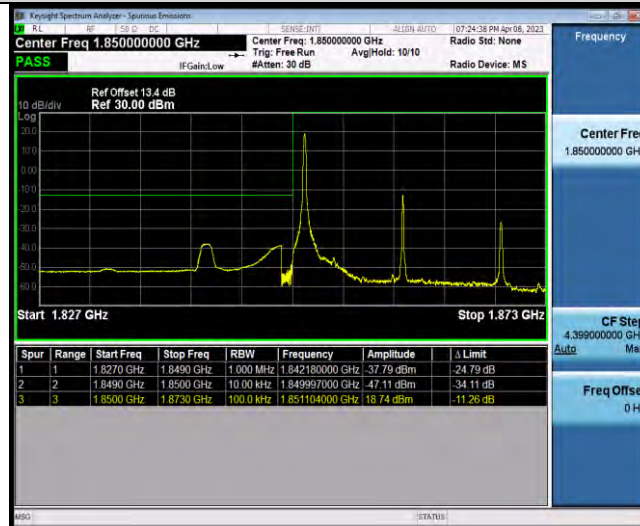


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Test Report No.: W7L-P23030025RF05



Band25-20MHz-QPSK-26140-1RB#0



Band25-20MHz-QPSK-26140-100RB#0

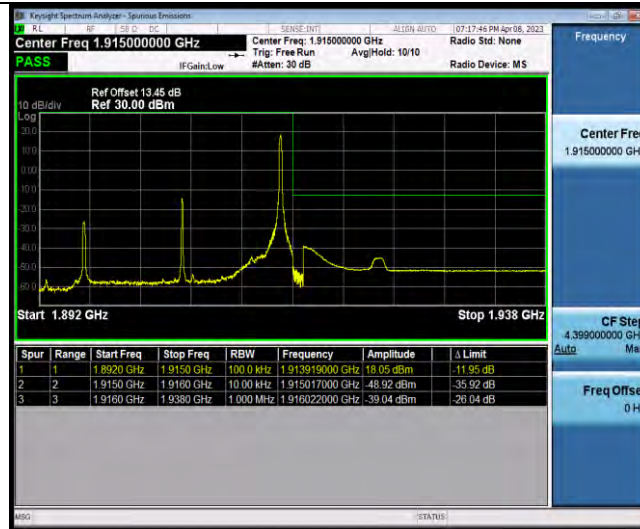


Band25-20MHz-QPSK-26590-1RB#99

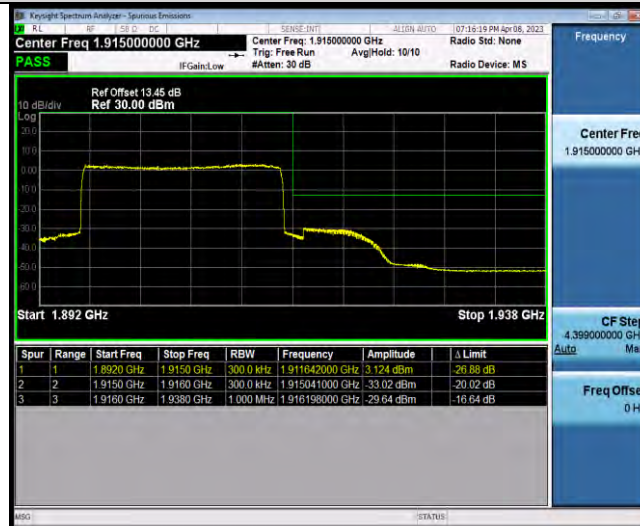


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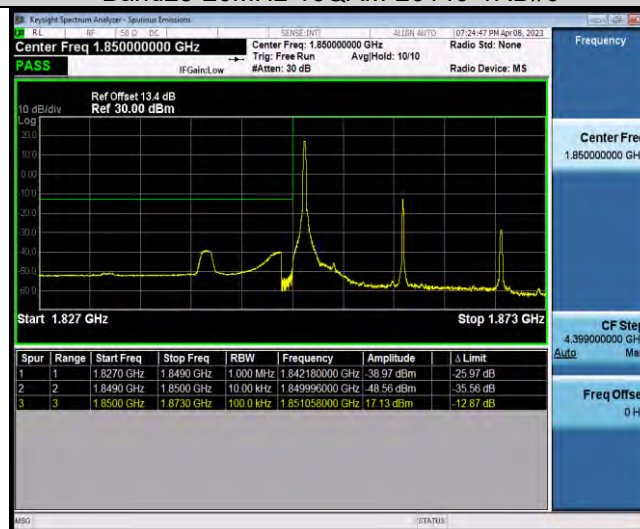
Test Report No.: W7L-P23030025RF05



Band25-20MHz-QPSK-26590-100RB#0



Band25-20MHz-16QAM-26140-1RB#0



Band25-20MHz-16QAM-26140-100RB#0

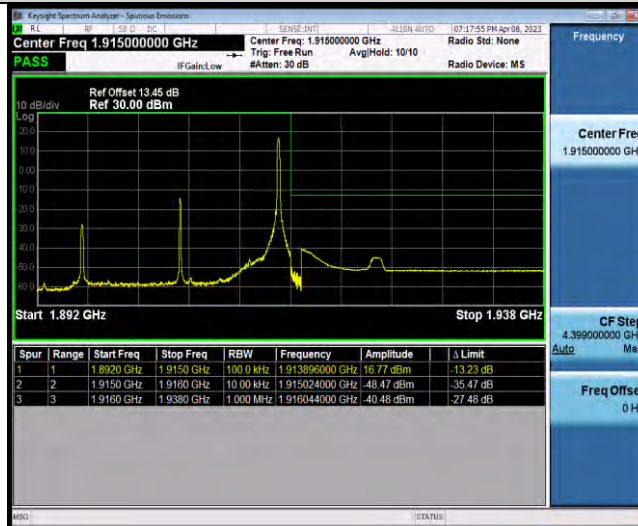


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Test Report No.: W7L-P23030025RF05



Band25-20MHz-16QAM-26590-1RB#99



Band25-20MHz-16QAM-26590-100RB#0

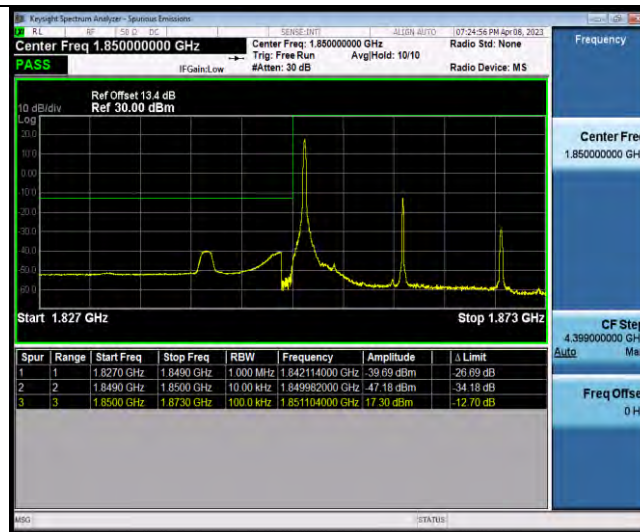


Band25-20MHz-64QAM-26140-1RB#0

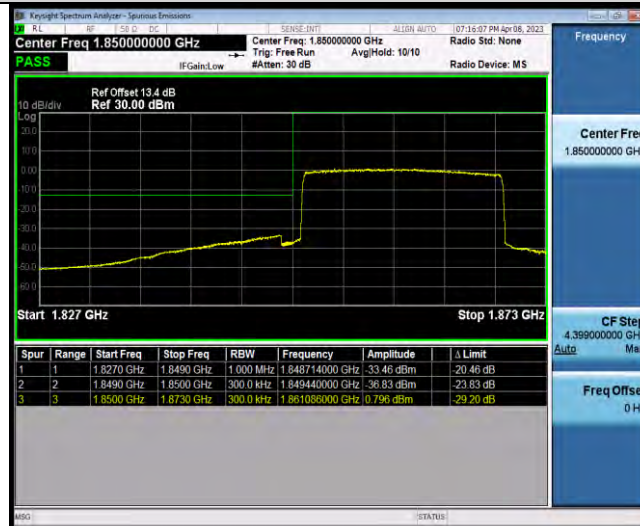


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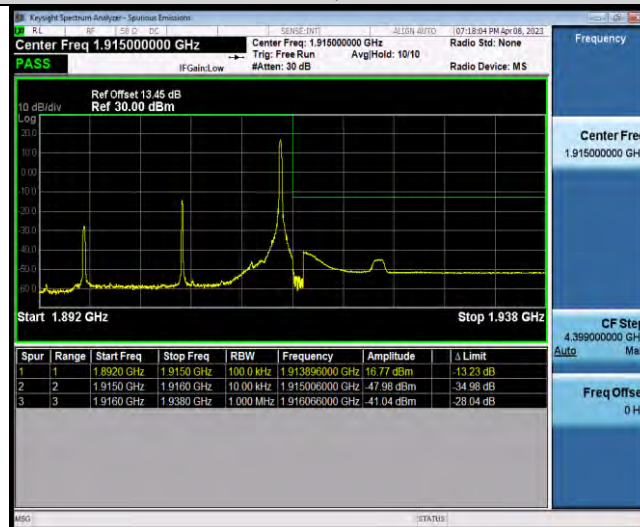
Test Report No.: W7L-P23030025RF05



Band25-20MHz-64QAM-26140-100RB#0



Band25-20MHz-64QAM-26590-1RB#99



Band25-20MHz-64QAM-26590-100RB#0



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## Test Report No.: W7L-P23030025RF05



## CONDUCTED SPURIOUS EMISSION

### Test Result

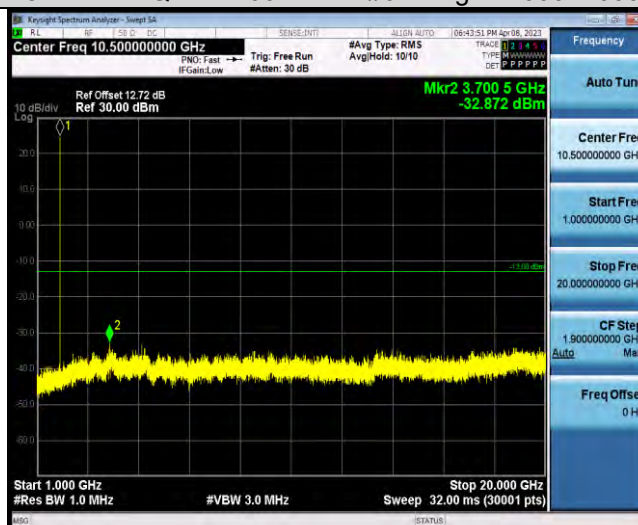
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band25 | 1.4MHz    | QPSK       | 26047   | 1RB#0            | Range1:30~1000MHz    | -30.52       | PASS    |
| Band25 | 1.4MHz    | QPSK       | 26047   | 1RB#0            | Range2:1000~20000MHz | -32.87       | PASS    |
| Band25 | 1.4MHz    | QPSK       | 26365   | 1RB#0            | Range1:30~1000MHz    | -30.6        | PASS    |
| Band25 | 1.4MHz    | QPSK       | 26365   | 1RB#0            | Range2:1000~20000MHz | -33.1        | PASS    |
| Band25 | 1.4MHz    | QPSK       | 26683   | 1RB#0            | Range1:30~1000MHz    | -29.58       | PASS    |
| Band25 | 1.4MHz    | QPSK       | 26683   | 1RB#0            | Range2:1000~20000MHz | -32.58       | PASS    |
| Band25 | 3MHz      | QPSK       | 26055   | 1RB#0            | Range1:30~1000MHz    | -30.36       | PASS    |
| Band25 | 3MHz      | QPSK       | 26055   | 1RB#0            | Range2:1000~20000MHz | -33.87       | PASS    |
| Band25 | 3MHz      | QPSK       | 26365   | 1RB#0            | Range1:30~1000MHz    | -30.99       | PASS    |
| Band25 | 3MHz      | QPSK       | 26365   | 1RB#0            | Range2:1000~20000MHz | -33.56       | PASS    |
| Band25 | 3MHz      | QPSK       | 26675   | 1RB#0            | Range1:30~1000MHz    | -30.64       | PASS    |
| Band25 | 3MHz      | QPSK       | 26675   | 1RB#0            | Range2:1000~20000MHz | -32.57       | PASS    |
| Band25 | 5MHz      | QPSK       | 26065   | 1RB#0            | Range1:30~1000MHz    | -30.33       | PASS    |
| Band25 | 5MHz      | QPSK       | 26065   | 1RB#0            | Range2:1000~20000MHz | -33.68       | PASS    |
| Band25 | 5MHz      | QPSK       | 26365   | 1RB#0            | Range1:30~1000MHz    | -30.44       | PASS    |
| Band25 | 5MHz      | QPSK       | 26365   | 1RB#0            | Range2:1000~20000MHz | -33.58       | PASS    |
| Band25 | 5MHz      | QPSK       | 26665   | 1RB#0            | Range1:30~1000MHz    | -30.48       | PASS    |
| Band25 | 5MHz      | QPSK       | 26665   | 1RB#0            | Range2:1000~20000MHz | -33.21       | PASS    |
| Band25 | 10MHz     | QPSK       | 26090   | 1RB#0            | Range1:30~1000MHz    | -31.11       | PASS    |
| Band25 | 10MHz     | QPSK       | 26090   | 1RB#0            | Range2:1000~20000MHz | -32.84       | PASS    |
| Band25 | 10MHz     | QPSK       | 26365   | 1RB#0            | Range1:30~1000MHz    | -31.05       | PASS    |
| Band25 | 10MHz     | QPSK       | 26365   | 1RB#0            | Range2:1000~20000MHz | -32.86       | PASS    |
| Band25 | 10MHz     | QPSK       | 26640   | 1RB#0            | Range1:30~1000MHz    | -30.93       | PASS    |
| Band25 | 10MHz     | QPSK       | 26640   | 1RB#0            | Range2:1000~20000MHz | -33.43       | PASS    |
| Band25 | 15MHz     | QPSK       | 26115   | 1RB#0            | Range1:30~1000MHz    | -30.84       | PASS    |
| Band25 | 15MHz     | QPSK       | 26115   | 1RB#0            | Range2:1000~20000MHz | -33.59       | PASS    |
| Band25 | 15MHz     | QPSK       | 26365   | 1RB#0            | Range1:30~1000MHz    | -31          | PASS    |
| Band25 | 15MHz     | QPSK       | 26365   | 1RB#0            | Range2:1000~20000MHz | -32.93       | PASS    |
| Band25 | 15MHz     | QPSK       | 26615   | 1RB#0            | Range1:30~1000MHz    | -30.06       | PASS    |
| Band25 | 15MHz     | QPSK       | 26615   | 1RB#0            | Range2:1000~20000MHz | -33.53       | PASS    |
| Band25 | 20MHz     | QPSK       | 26140   | 1RB#0            | Range1:30~1000MHz    | -30.73       | PASS    |
| Band25 | 20MHz     | QPSK       | 26140   | 1RB#0            | Range2:1000~20000MHz | -33.44       | PASS    |
| Band25 | 20MHz     | QPSK       | 26365   | 1RB#0            | Range1:30~1000MHz    | -30.51       | PASS    |
| Band25 | 20MHz     | QPSK       | 26365   | 1RB#0            | Range2:1000~20000MHz | -33.39       | PASS    |
| Band25 | 20MHz     | QPSK       | 26590   | 1RB#0            | Range1:30~1000MHz    | -30.63       | PASS    |
| Band25 | 20MHz     | QPSK       | 26590   | 1RB#0            | Range2:1000~20000MHz | -33.42       | PASS    |

## Test Graphs

Band25-1.4MHz-QPSK-26047-1RB#0-Range1:30~1000MHz



Band25-1.4MHz-QPSK-26047-1RB#0-Range2:1000~20000MHz

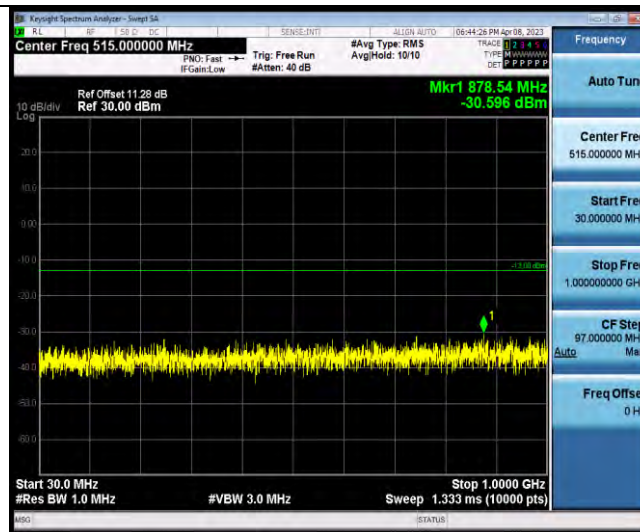


Band25-1.4MHz-QPSK-26365-1RB#0-Range1:30~1000MHz

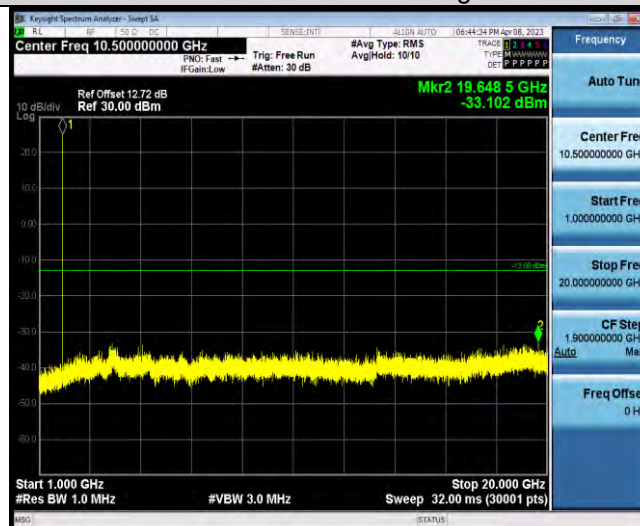


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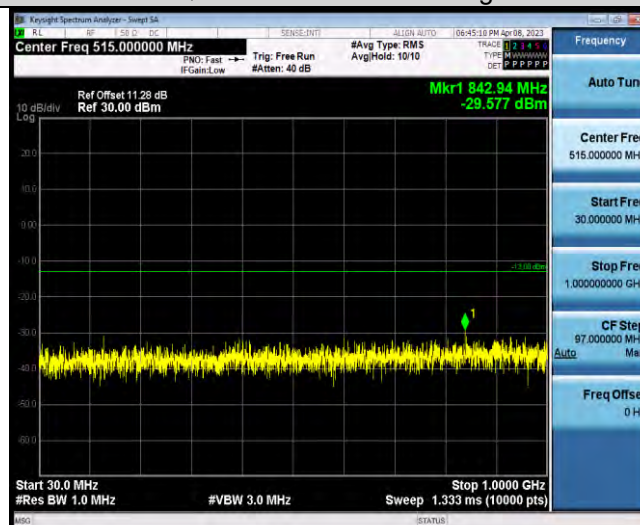
Test Report No.: W7L-P23030025RF05



Band25-1.4MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz



Band25-1.4MHz-QPSK-26683-1RB#0-Range1:30~1000MHz

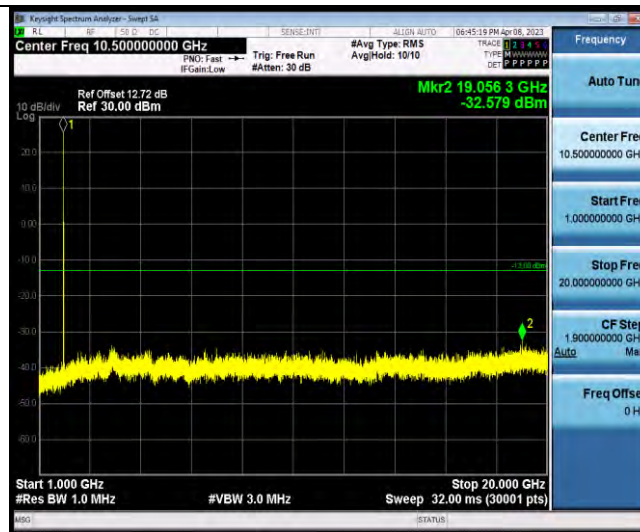


Band25-1.4MHz-QPSK-26683-1RB#0-Range2:1000~20000MHz

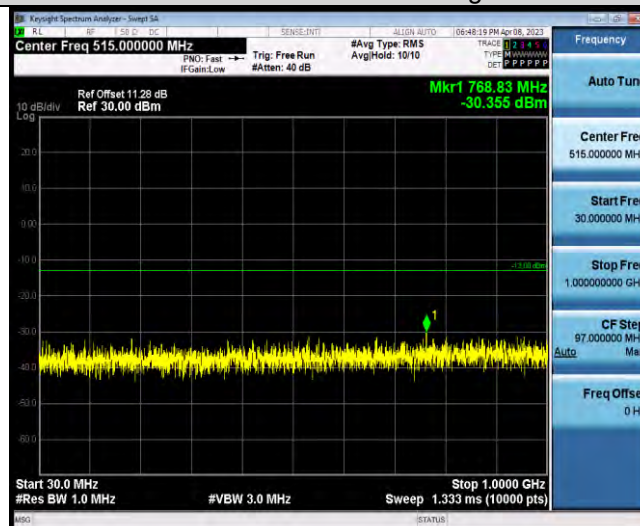


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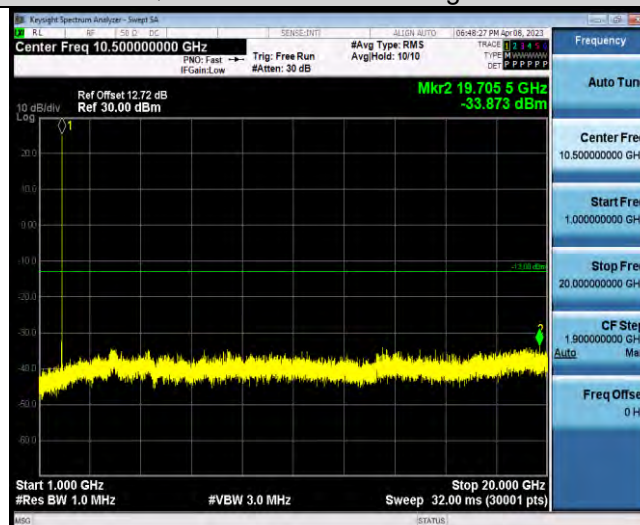
Test Report No.: W7L-P23030025RF05



Band25-3MHz-QPSK-26055-1RB#0-Range1:30~1000MHz



Band25-3MHz-QPSK-26055-1RB#0-Range2:1000~2000MHz

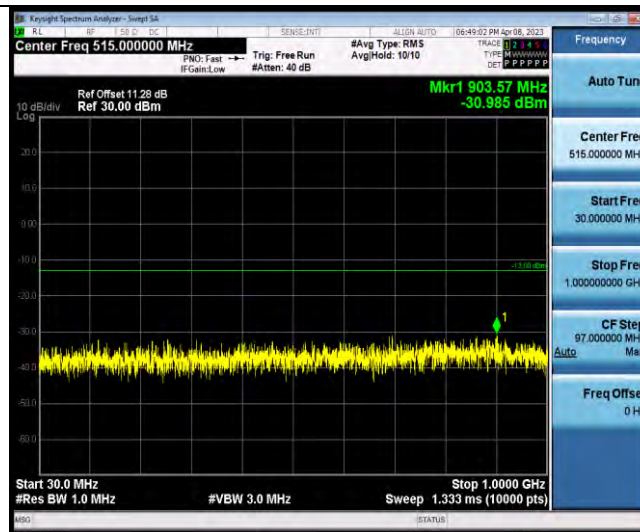


Band25-3MHz-QPSK-26365-1RB#0-Range1:30~1000MHz

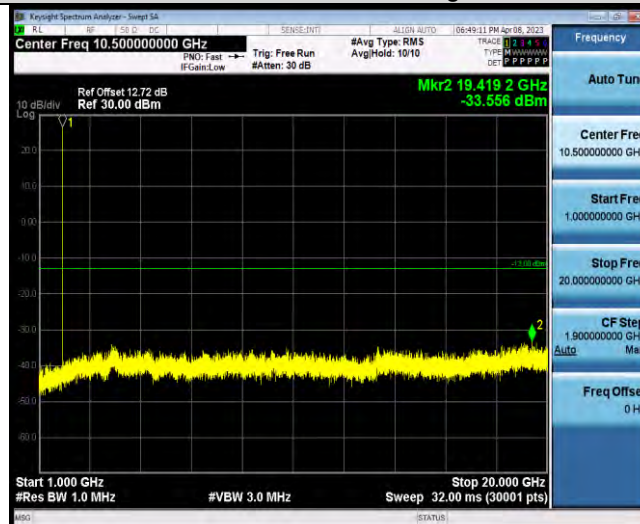


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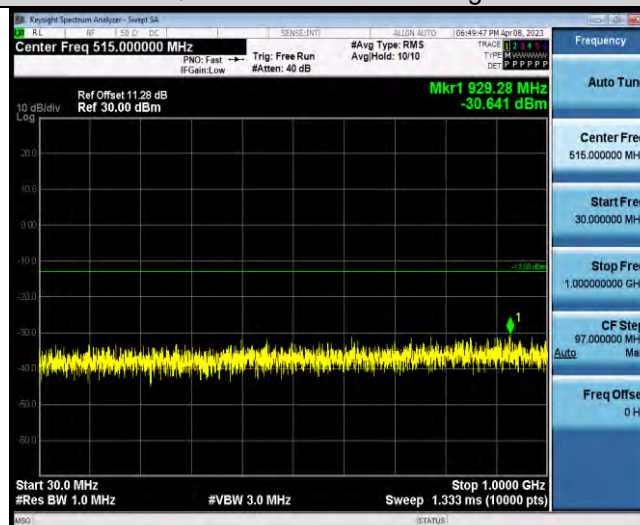
Test Report No.: W7L-P23030025RF05



Band25-3MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz



Band25-3MHz-QPSK-26675-1RB#0-Range1:30~1000MHz

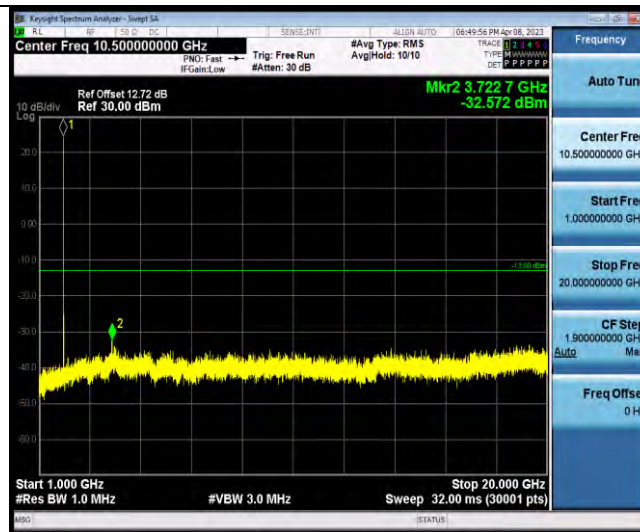


Band25-3MHz-QPSK-26675-1RB#0-Range2:1000~20000MHz

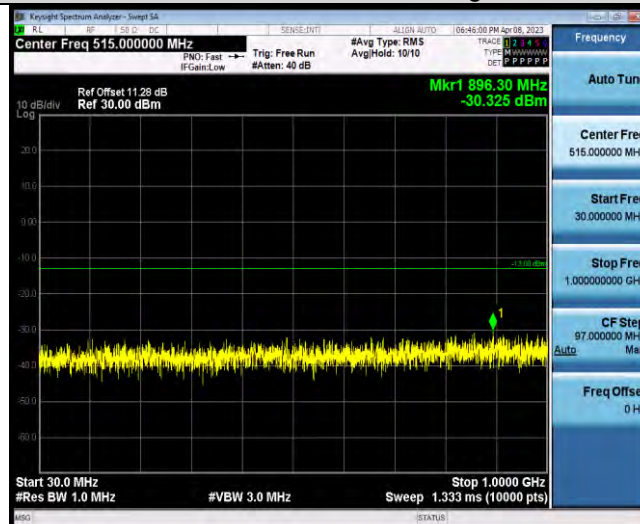


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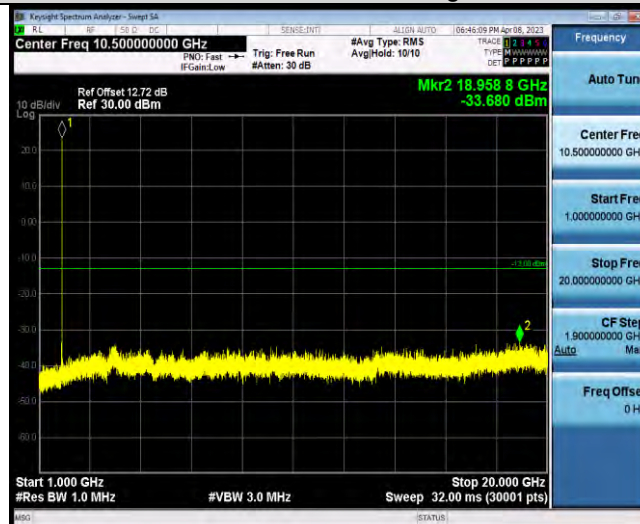
Test Report No.: W7L-P23030025RF05



Band25-5MHz-QPSK-26065-1RB#0-Range1:30~1000MHz



Band25-5MHz-QPSK-26065-1RB#0-Range2:1000~2000MHz

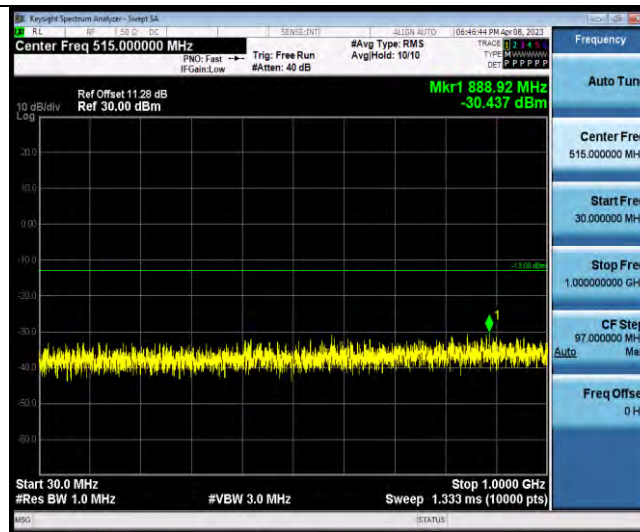


Band25-5MHz-QPSK-26365-1RB#0-Range1:30~1000MHz

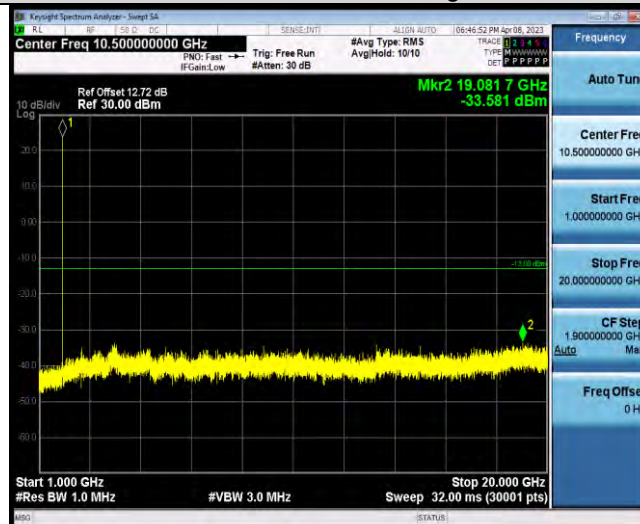


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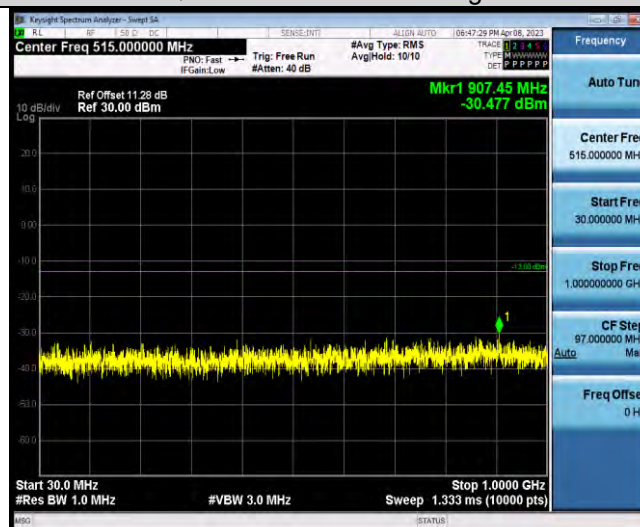
Test Report No.: W7L-P23030025RF05



Band25-5MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz



Band25-5MHz-QPSK-26665-1RB#0-Range1:30~1000MHz

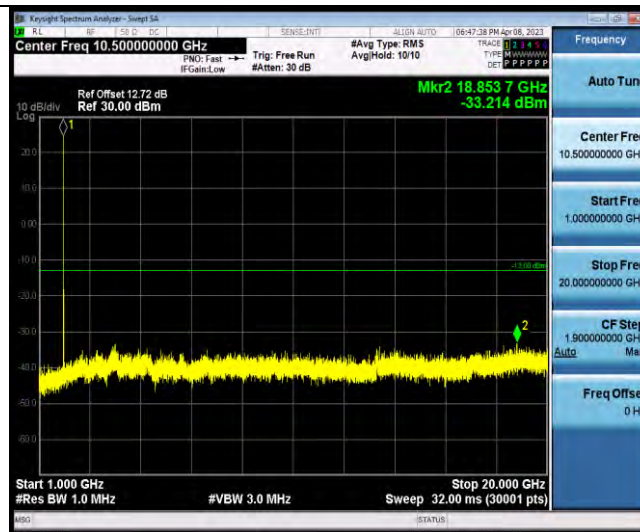


Band25-5MHz-QPSK-26665-1RB#0-Range2:1000~20000MHz

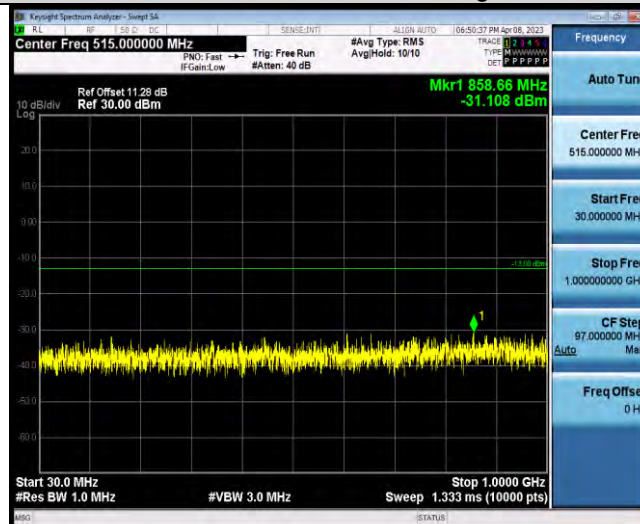


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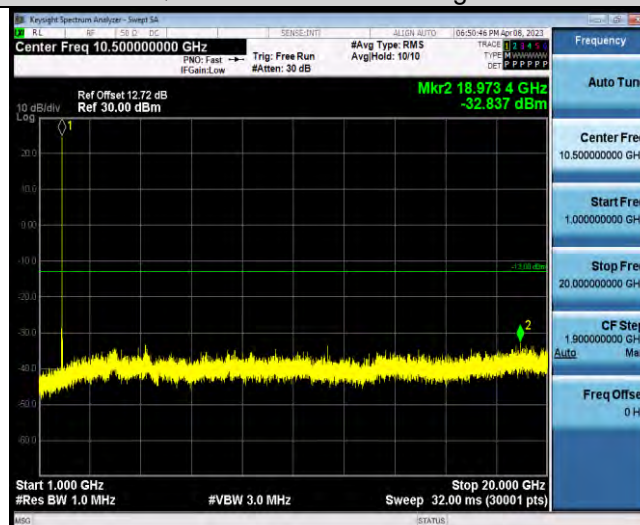
Test Report No.: W7L-P23030025RF05



Band25-10MHz-QPSK-26090-1RB#0-Range1:30~1000MHz



Band25-10MHz-QPSK-26090-1RB#0-Range2:1000~20000MHz

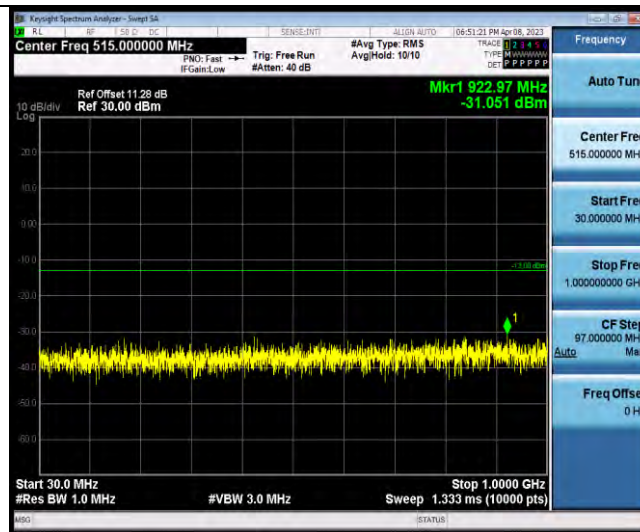


Band25-10MHz-QPSK-26365-1RB#0-Range1:30~1000MHz

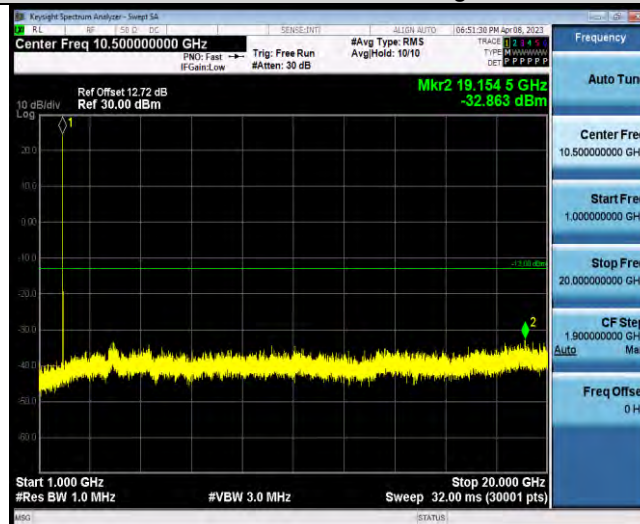


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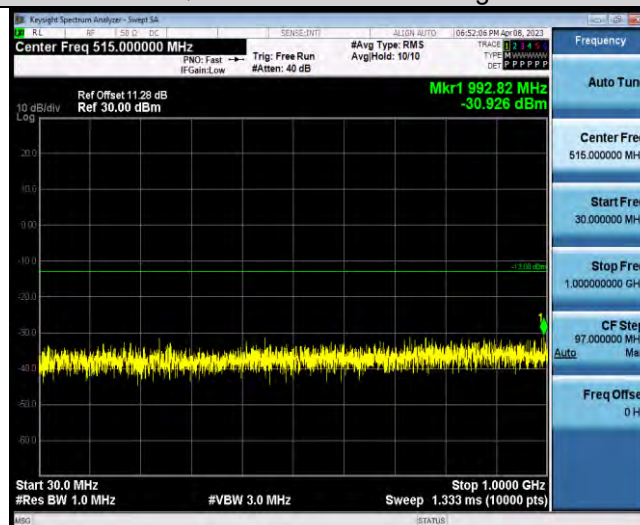
Test Report No.: W7L-P23030025RF05



Band25-10MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz



Band25-10MHz-QPSK-26640-1RB#0-Range1:30~1000MHz

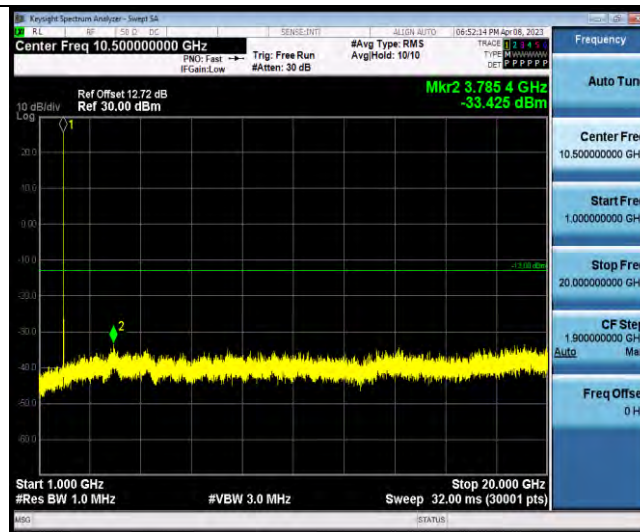


Band25-10MHz-QPSK-26640-1RB#0-Range2:1000~20000MHz

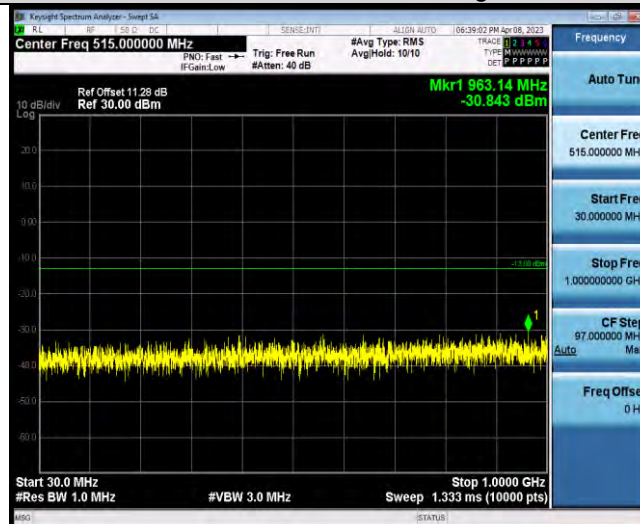


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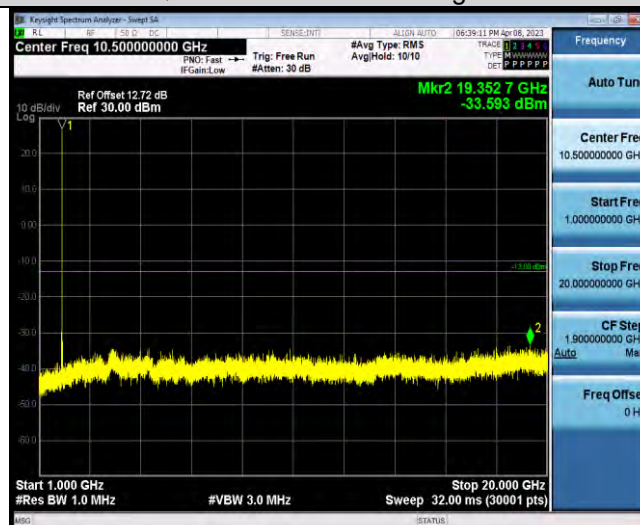
Test Report No.: W7L-P23030025RF05



Band25-15MHz-QPSK-26115-1RB#0-Range1:30~1000MHz



Band25-15MHz-QPSK-26115-1RB#0-Range2:1000~2000MHz

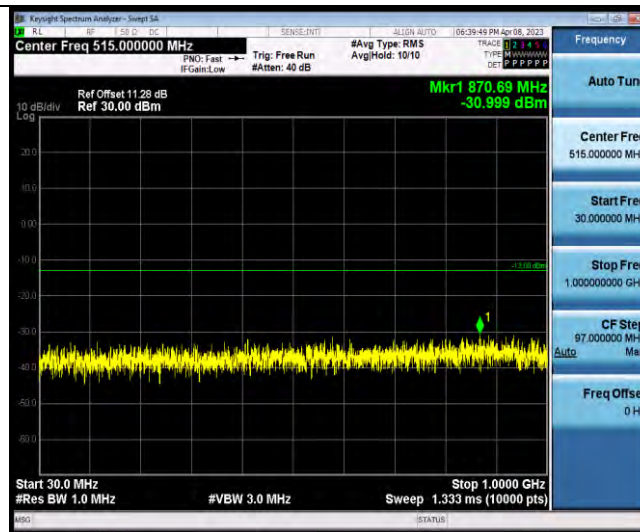


Band25-15MHz-QPSK-26365-1RB#0-Range1:30~1000MHz

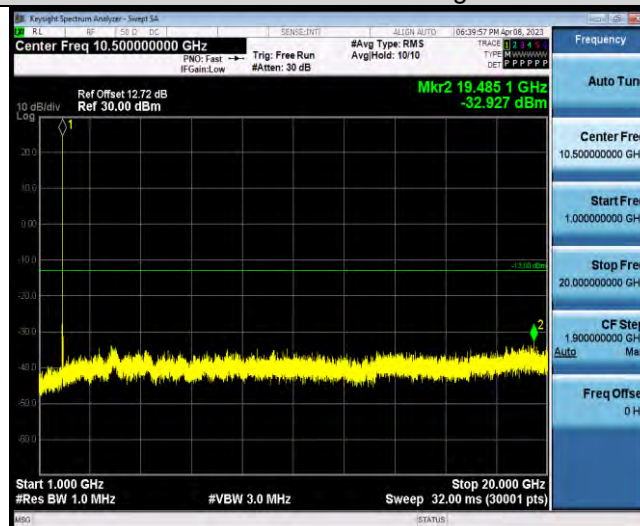


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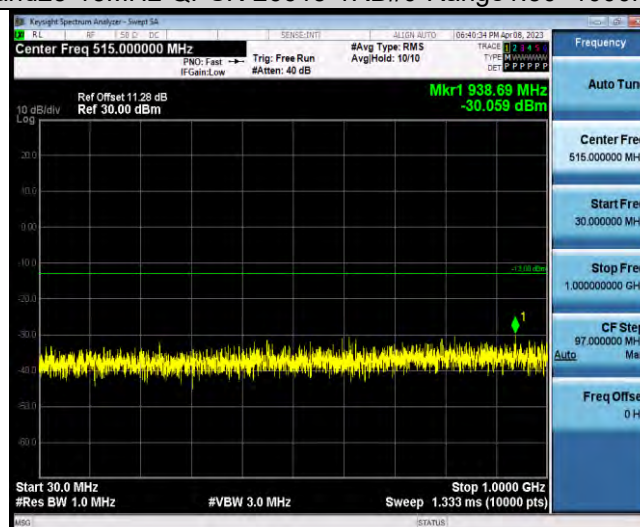
Test Report No.: W7L-P23030025RF05



Band25-15MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz



Band25-15MHz-QPSK-26615-1RB#0-Range1:30~1000MHz



Band25-15MHz-QPSK-26615-1RB#0-Range2:1000~20000MHz

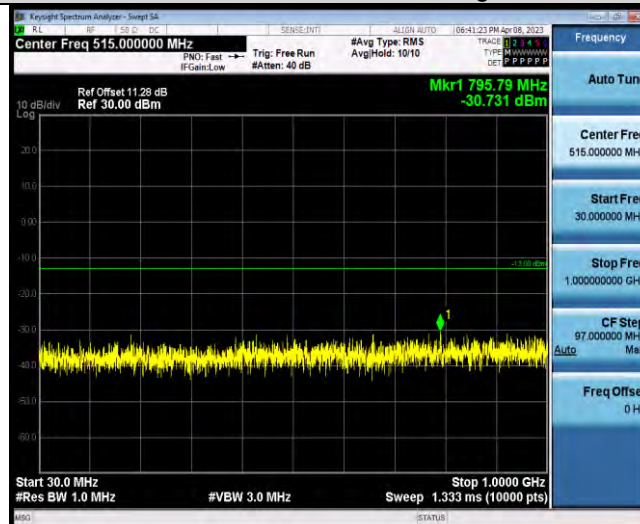


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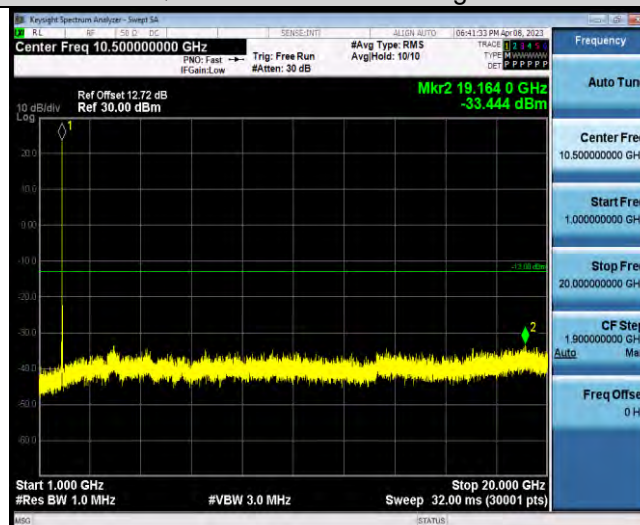
Test Report No.: W7L-P23030025RF05



Band25-20MHz-QPSK-26140-1RB#0-Range1:30~1000MHz



Band25-20MHz-QPSK-26140-1RB#0-Range2:1000~20000MHz

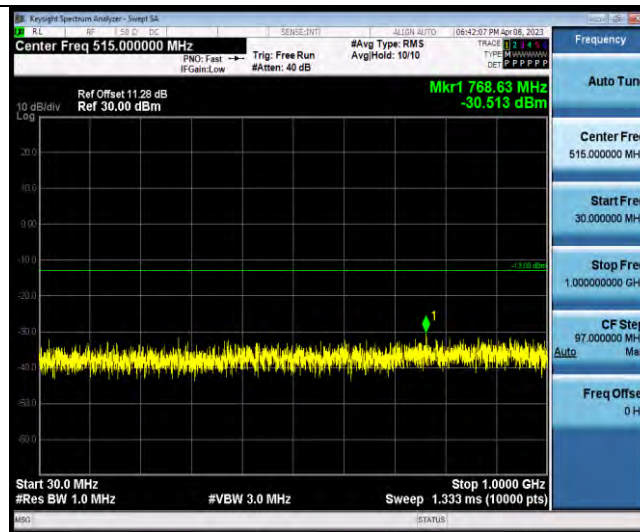


Band25-20MHz-QPSK-26365-1RB#0-Range1:30~1000MHz

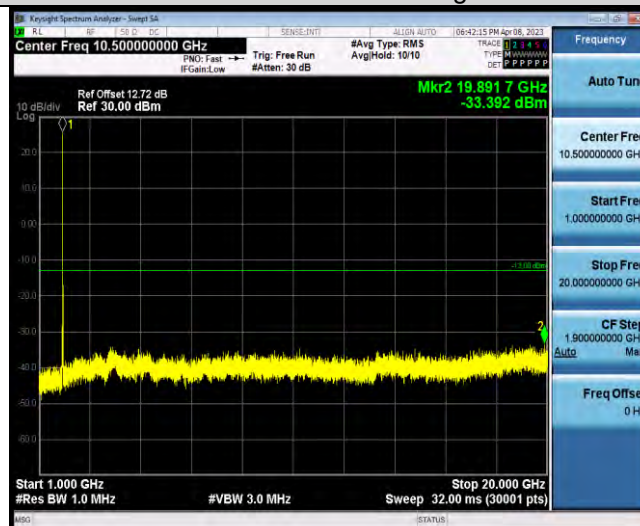


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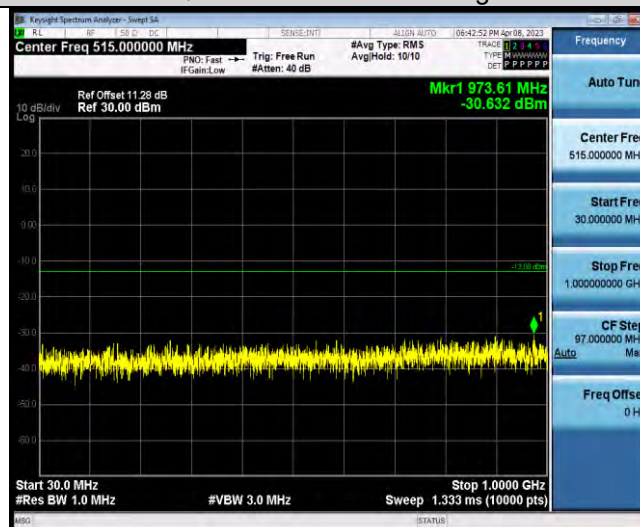
Test Report No.: W7L-P23030025RF05



Band25-20MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz



Band25-20MHz-QPSK-26590-1RB#0-Range1:30~1000MHz

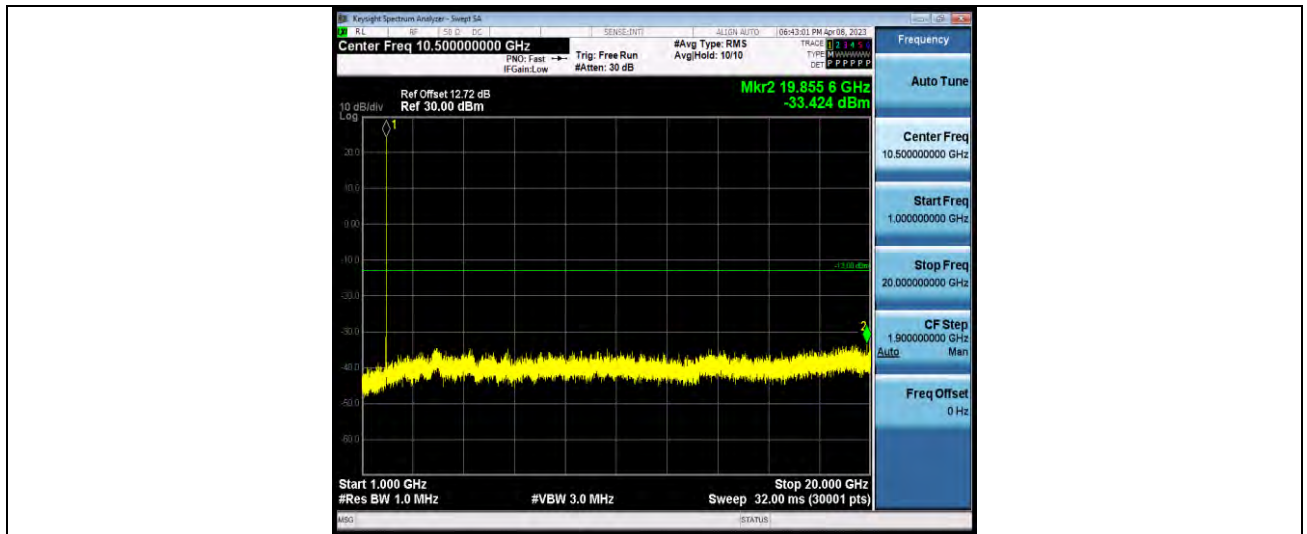


Band25-20MHz-QPSK-26590-1RB#0-Range2:1000~20000MHz



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Test Report No.: W7L-P23030025RF05



## FREQUENCY STABILITY

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band25  | 20MHz     | QPSK       | 26140   | 100RB#0      | VL            | NT               | 6.91           | 0.003715        | ±2.5        | PASS    |
| Band25  | 20MHz     | QPSK       | 26140   | 100RB#0      | VN            | NT               | 4.12           | 0.002215        | ±2.5        | PASS    |
| Band25  | 20MHz     | QPSK       | 26140   | 100RB#0      | VH            | NT               | 3.36           | 0.001806        | ±2.5        | PASS    |
| Band25  | 20MHz     | QPSK       | 26365   | 100RB#0      | VL            | NT               | 4.28           | 0.002274        | ±2.5        | PASS    |
| Band25  | 20MHz     | QPSK       | 26365   | 100RB#0      | VN            | NT               | 5.31           | 0.002821        | ±2.5        | PASS    |
| Band25  | 20MHz     | QPSK       | 26365   | 100RB#0      | VH            | NT               | 4.58           | 0.002433        | ±2.5        | PASS    |
| Band25  | 20MHz     | QPSK       | 26590   | 100RB#0      | VL            | NT               | 5.16           | 0.002709        | ±2.5        | PASS    |
| Band25  | 20MHz     | QPSK       | 26590   | 100RB#0      | VN            | NT               | 4.46           | 0.002341        | ±2.5        | PASS    |
| Band25  | 20MHz     | QPSK       | 26590   | 100RB#0      | VH            | NT               | 4.61           | 0.002420        | ±2.5        | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | -30              | 2.36           | 0.001269        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | -20              | 6.59           | 0.003543        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | -10              | 3.42           | 0.001839        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | 0                | 4.85           | 0.002608        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | 10               | 3.91           | 0.002102        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | 20               | 3.92           | 0.002108        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | 30               | 4.91           | 0.002640        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | 40               | 3.72           | 0.002000        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26140   | 100RB#0      | NV            | 50               | 4.51           | 0.002425        | ±2.5        | PASS    |
| Band25      | 20MHz     | QPSK       | 26365   | 100RB#0      | NV            | -30              | 5.09           | 0.002704        | ±2.5        | PASS    |



**BUREAU  
VERITAS**

**Test Report No.: W7L-P23030025RF05**

|            |       |      |       |         |    |     |      |          |      |      |
|------------|-------|------|-------|---------|----|-----|------|----------|------|------|
| Band2<br>5 | 20MHz | QPSK | 26365 | 100RB#0 | NV | -20 | 5.22 | 0.002773 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26365 | 100RB#0 | NV | -10 | 6.02 | 0.003198 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26365 | 100RB#0 | NV | 0   | 4.43 | 0.002353 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26365 | 100RB#0 | NV | 10  | 3.09 | 0.001641 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26365 | 100RB#0 | NV | 20  | 4.55 | 0.002417 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26365 | 100RB#0 | NV | 30  | 2.05 | 0.001089 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26365 | 100RB#0 | NV | 40  | 3.19 | 0.001695 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26365 | 100RB#0 | NV | 50  | 2.72 | 0.001445 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | -30 | 6.35 | 0.003333 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | -20 | 5.02 | 0.002635 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | -10 | 5.05 | 0.002651 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | 0   | 5.15 | 0.002703 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | 10  | 3.38 | 0.001774 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | 20  | 3.08 | 0.001617 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | 30  | 3.99 | 0.002094 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | 40  | 4.65 | 0.002441 | ±2.5 | PASS |
| Band2<br>5 | 20MHz | QPSK | 26590 | 100RB#0 | NV | 50  | 4.88 | 0.002562 | ±2.5 | PASS |

Note: LV = Low voltage(3.4V); NV = Normal voltage(4V); HV = High voltage(4.35V);NT = Normal temperature (25°C).

### MAX Deviation calculation

| Frequency Stability            | Frequency (MHz) | Limit Line(MHz) | Result |
|--------------------------------|-----------------|-----------------|--------|
| $f_L -  \text{MAX}(\Delta f) $ | 1851.076500     | $\geq 1850$     | PASS   |
| $f_H +  \text{MAX}(\Delta f) $ | 1,913.97500     | $\leq 1915$     |        |

Note : 1.  $|\text{MAX}(\Delta f)|$  = Max Deviation

2.  $f_L$  = Occ low channel  $f_L$ (-13dBm/MHz)

3.  $f_H$  = Occ High channel  $f_H$ (-13dBm/MHz)

4.  $|\text{MAX}(\Delta f)|$  = 6.91Hz.

---END---