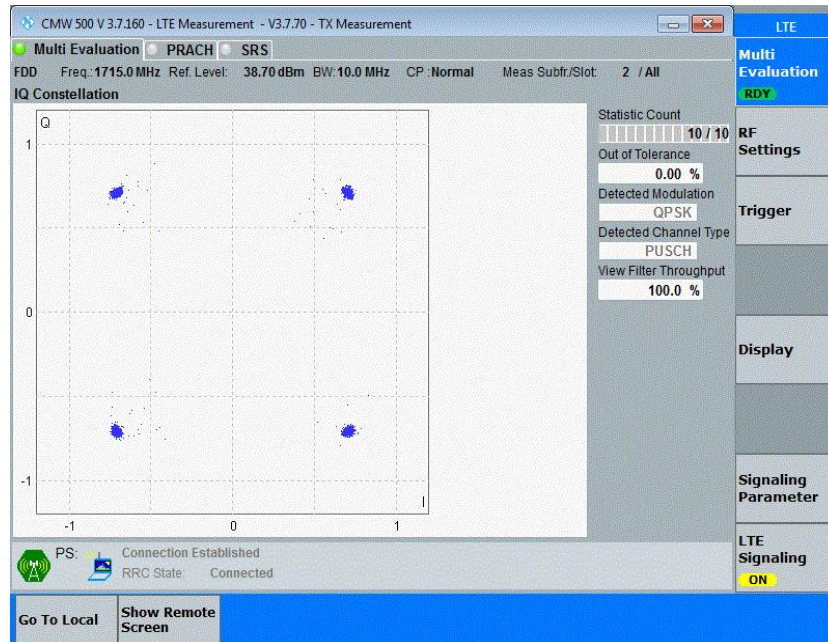
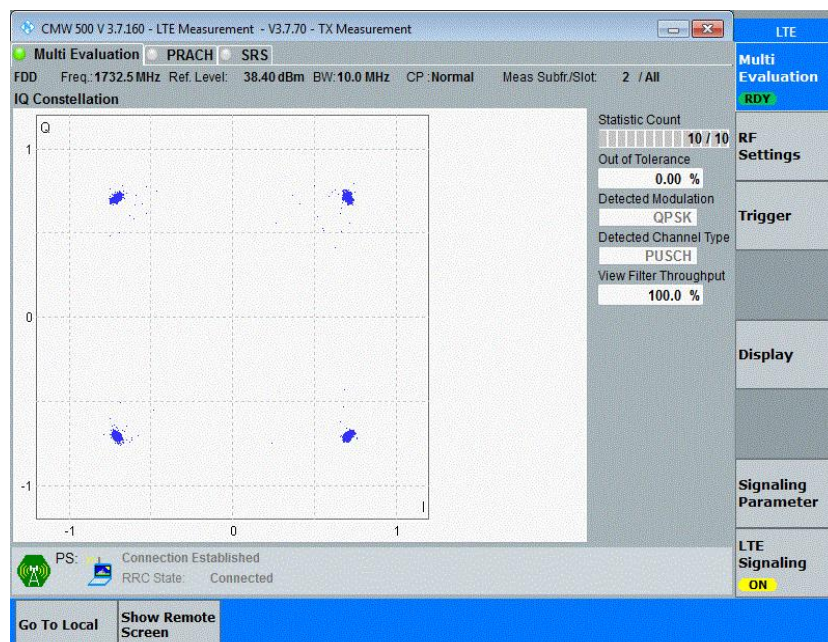
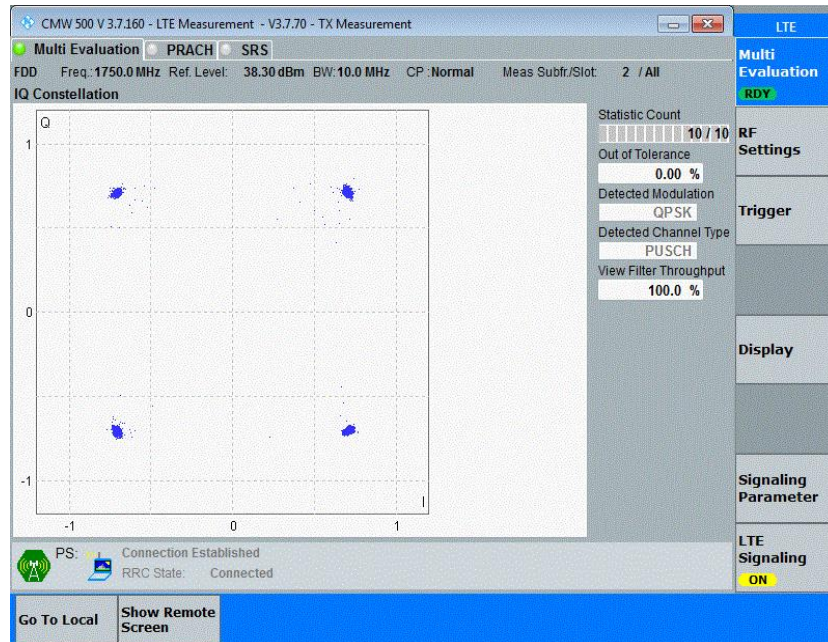




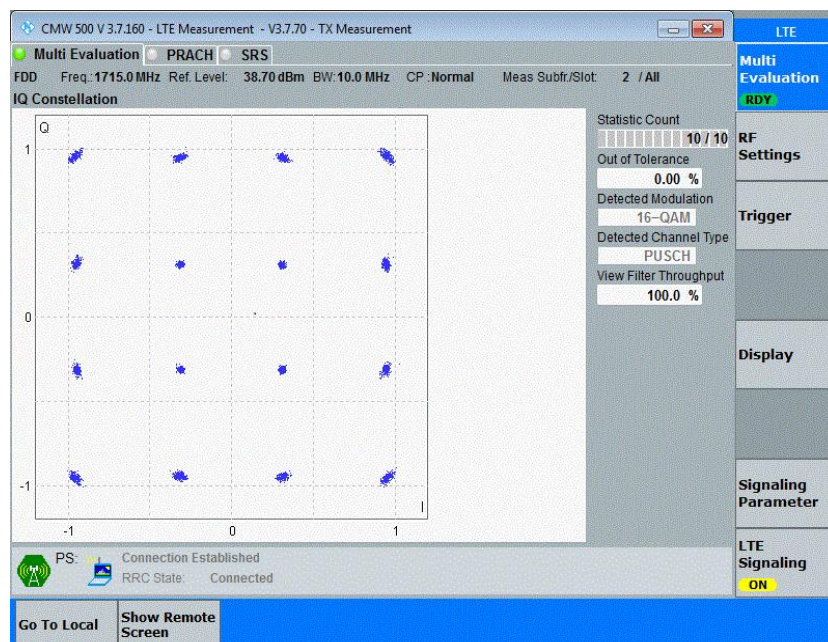
Band4-10MHz-QPSK-20175-50RB#0



Band4-10MHz-QPSK-20350-50RB#0

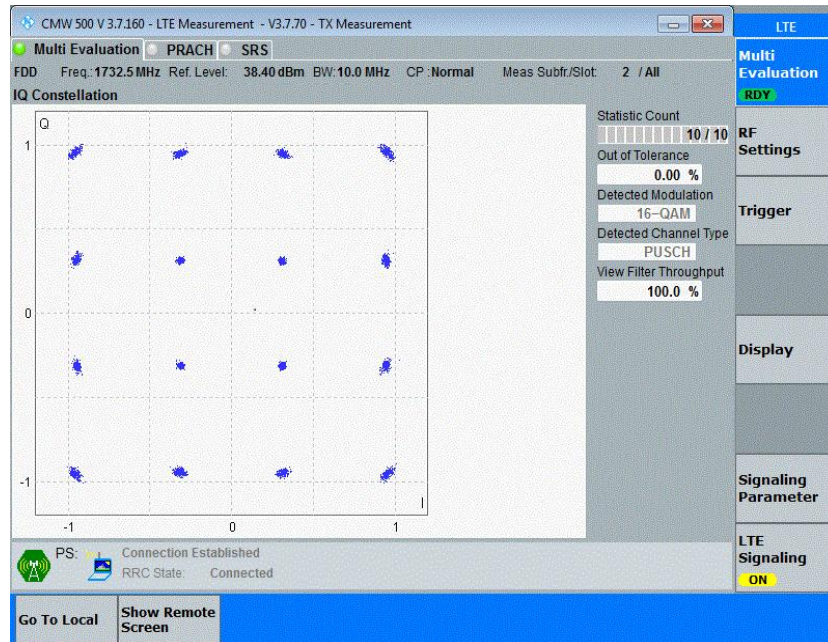


Band4-10MHz-16QAM-20000-50RB#0

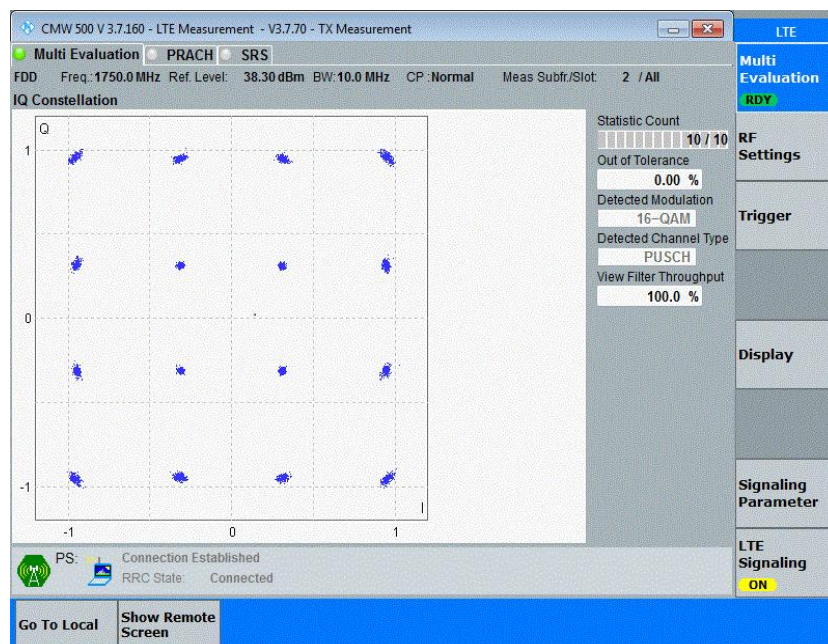


Band4-10MHz-16QAM-20175-50RB#0

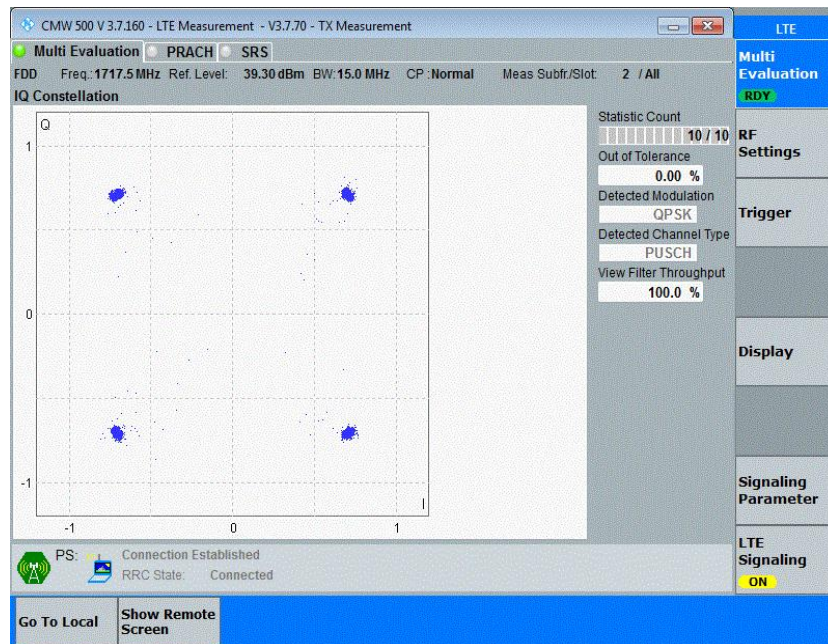




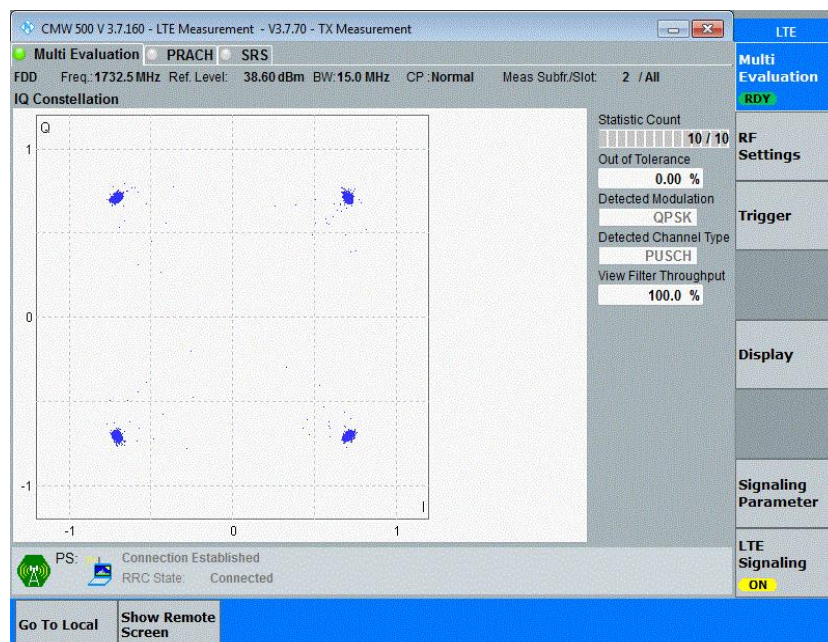
Band4-10MHz-16QAM-20350-50RB#0



Band4-15MHz-QPSK-20025-75RB#0

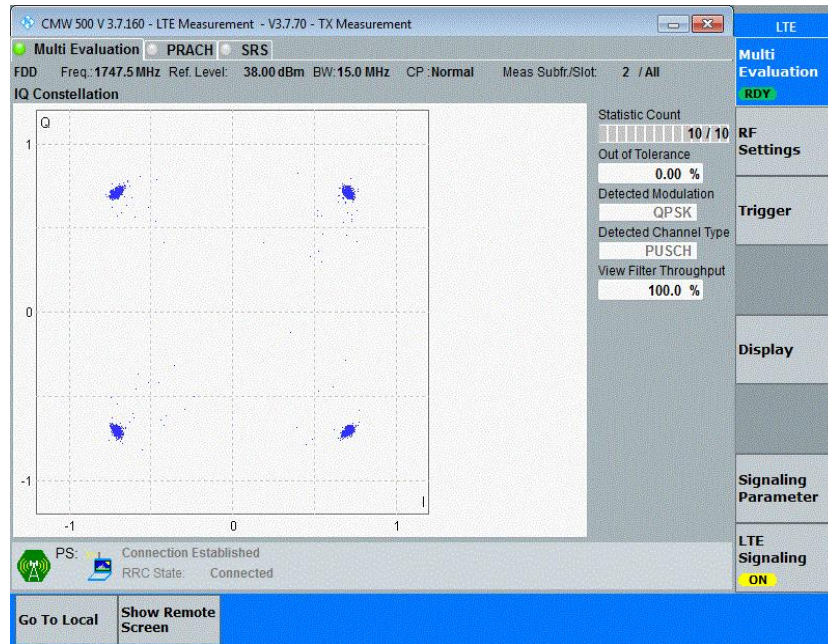


Band4-15MHz-QPSK-20175-75RB#0

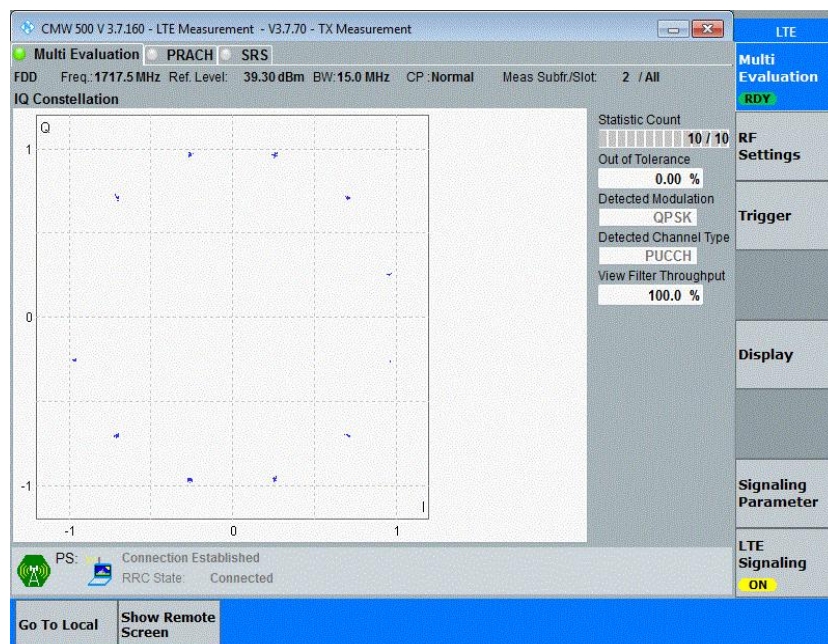


Band4-15MHz-QPSK-20325-75RB#0

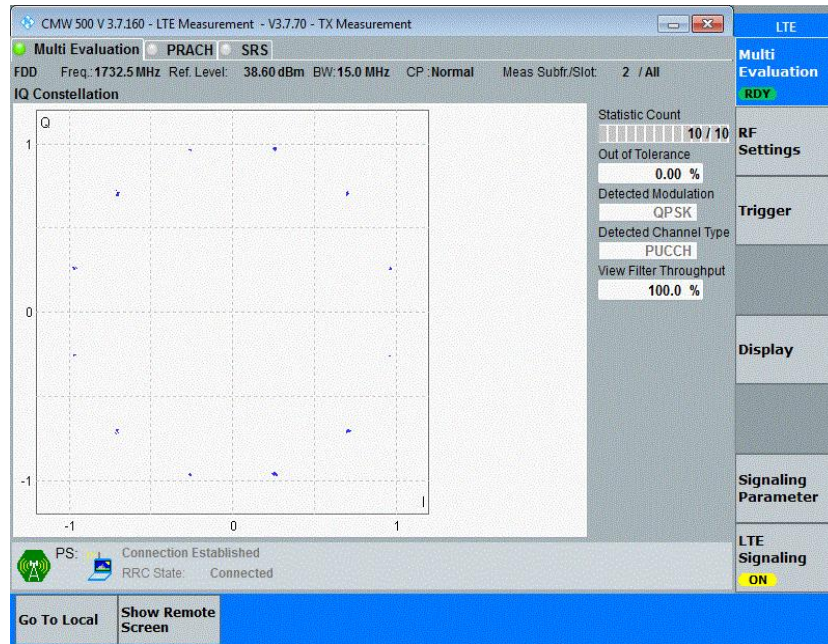




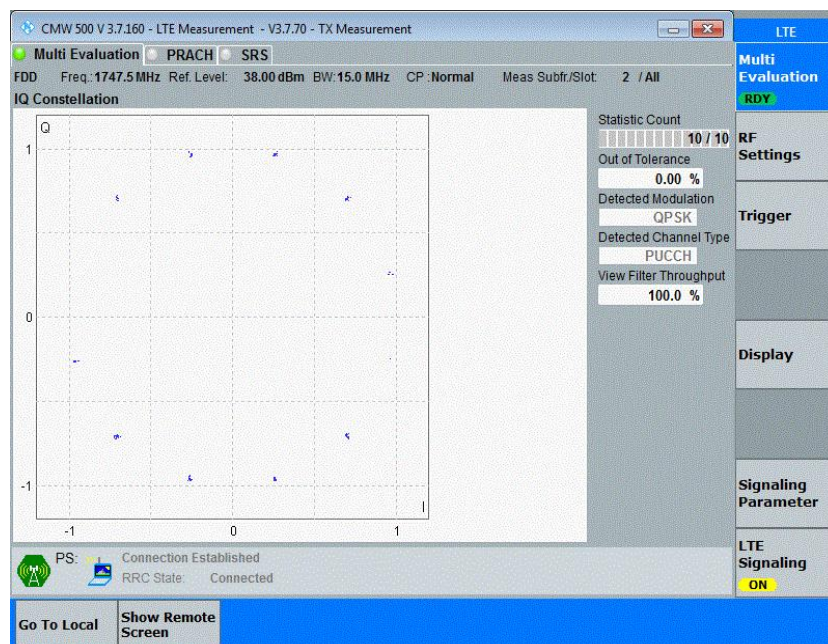
Band4-15MHz-16QAM-20025-75RB#0



Band4-15MHz-16QAM-20175-75RB#0

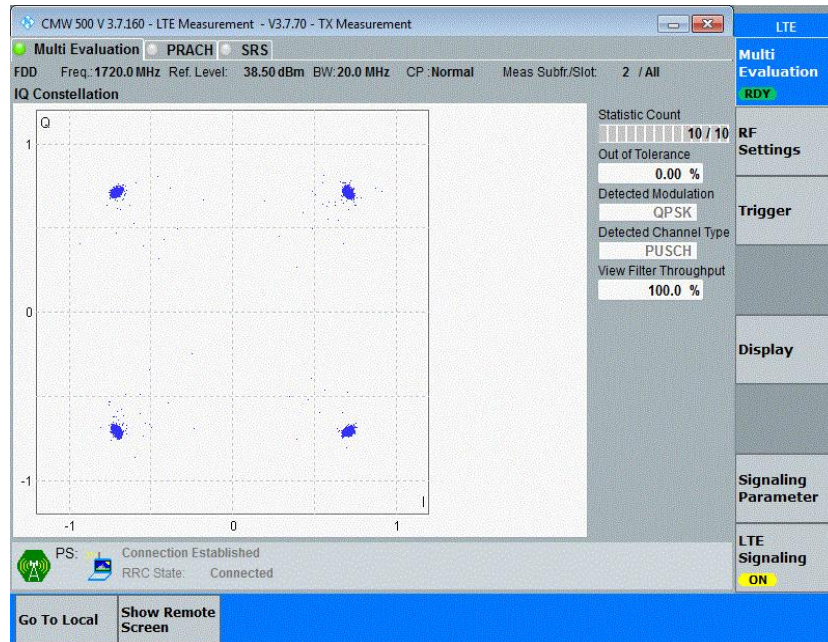


Band4-15MHz-16QAM-20325-75RB#0

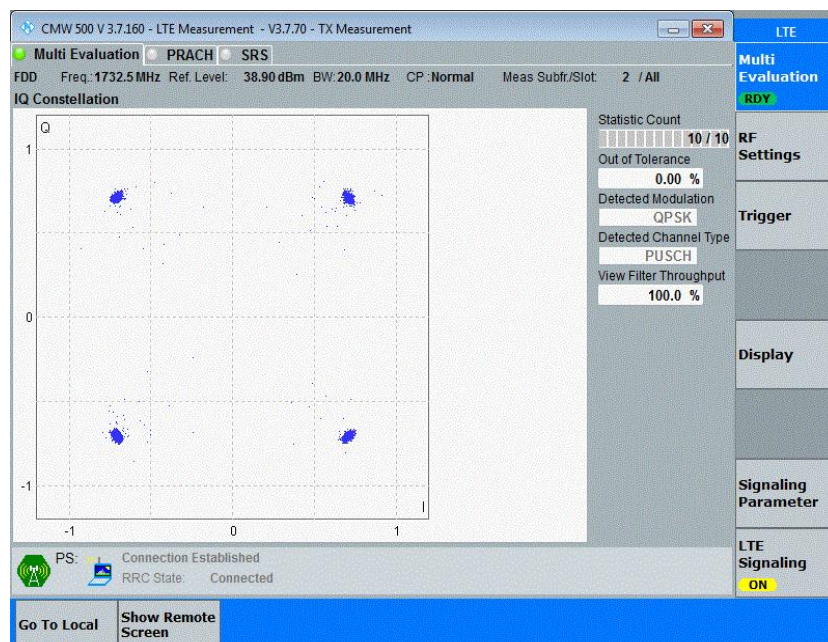


Band4-20MHz-QPSK-20050-100RB#0

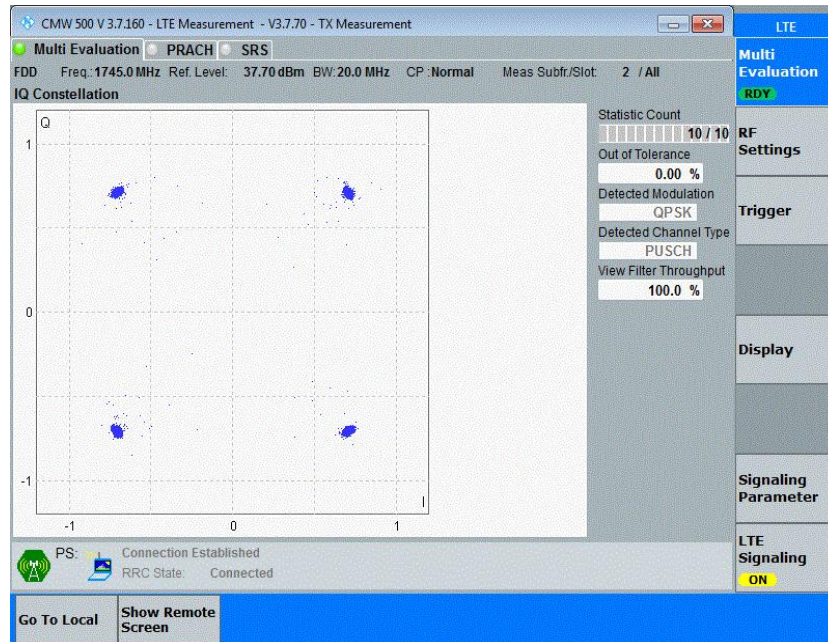




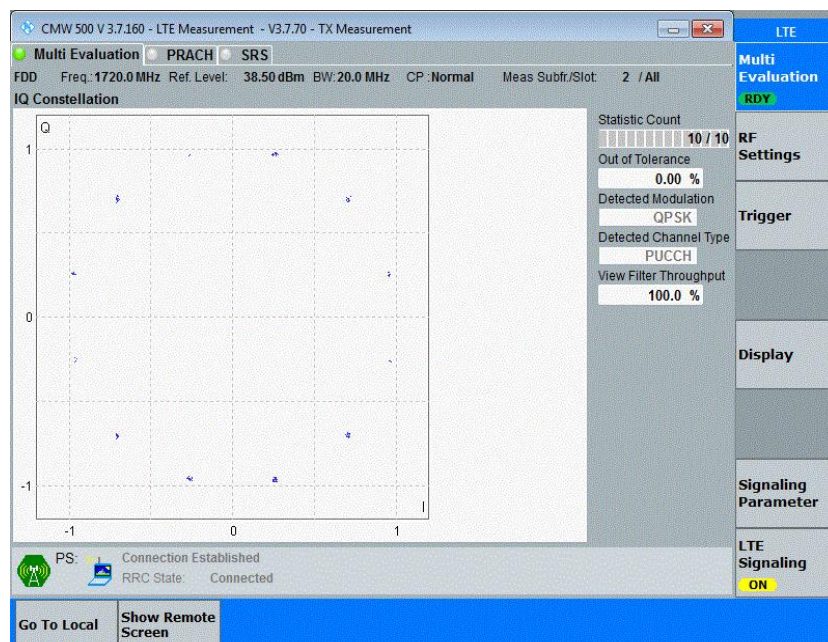
Band4-20MHz-QPSK-20175-100RB#0



Band4-20MHz-QPSK-20300-100RB#0

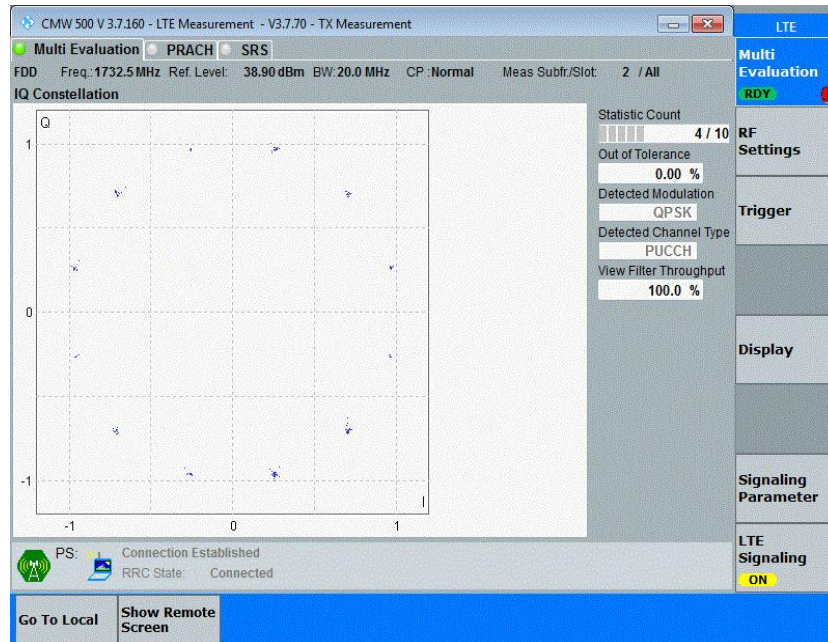


Band4-20MHz-16QAM-20050-100RB#0

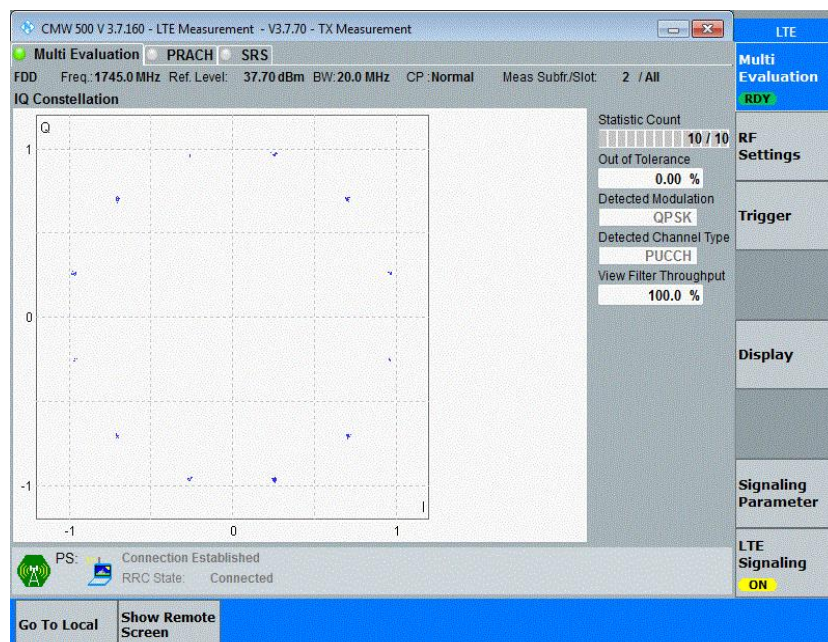


Band4-20MHz-16QAM-20175-100RB#0





Band4-20MHz-16QAM-20300-100RB#0



## 4: 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1.0964                   | 1.241                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.0898                   | 1.241                | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1.0953                   | 1.259                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1.0887                   | 1.246                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.0881                   | 1.243                | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1.0881                   | 1.254                | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 2.6963                   | 2.895                | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.6973                   | 2.888                | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 2.6989                   | 2.891                | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 2.6904                   | 2.886                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.6902                   | 2.890                | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 2.6925                   | 2.886                | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 4.4988                   | 4.814                | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.5004                   | 4.843                | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 4.4953                   | 4.821                | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 4.5036                   | 4.814                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.4986                   | 4.809                | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 4.4973                   | 4.845                | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 8.9736                   | 9.530                | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 8.9662                   | 9.518                | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 8.9716                   | 9.524                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | 8.9686                   | 9.515                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 50RB#0           | 8.9590                   | 9.495                | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | 8.9604                   | 9.519                | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | 13.441                   | 14.25                | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 13.470                   | 14.23                | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | 13.448                   | 14.25                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | 13.437                   | 14.23                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 75RB#0           | 13.481                   | 14.26                | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | 13.449                   | 14.25                | PASS    |
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 17.891                   | 18.91                | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 17.939                   | 18.95                | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 100RB#0          | 17.930                   | 18.94                | PASS    |



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|       |       |       |       |         |        |       |      |
|-------|-------|-------|-------|---------|--------|-------|------|
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 17.879 | 18.93 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 17.935 | 18.96 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 17.917 | 18.94 | PASS |

## Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20175-6RB#0

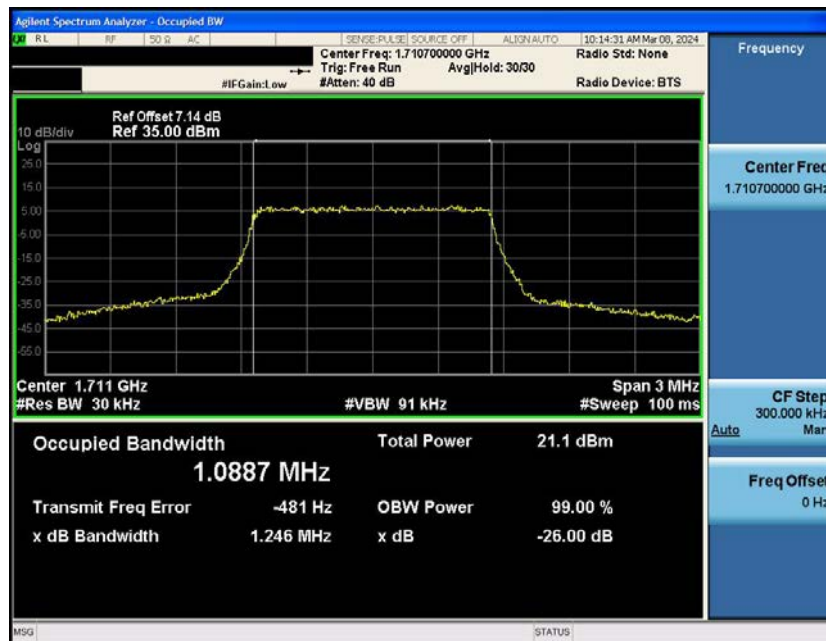


Band4-1.4MHz-QPSK-20393-6RB#0





Band4-1.4MHz-16QAM-19957-6RB#0



Band4-1.4MHz-16QAM-20175-6RB#0

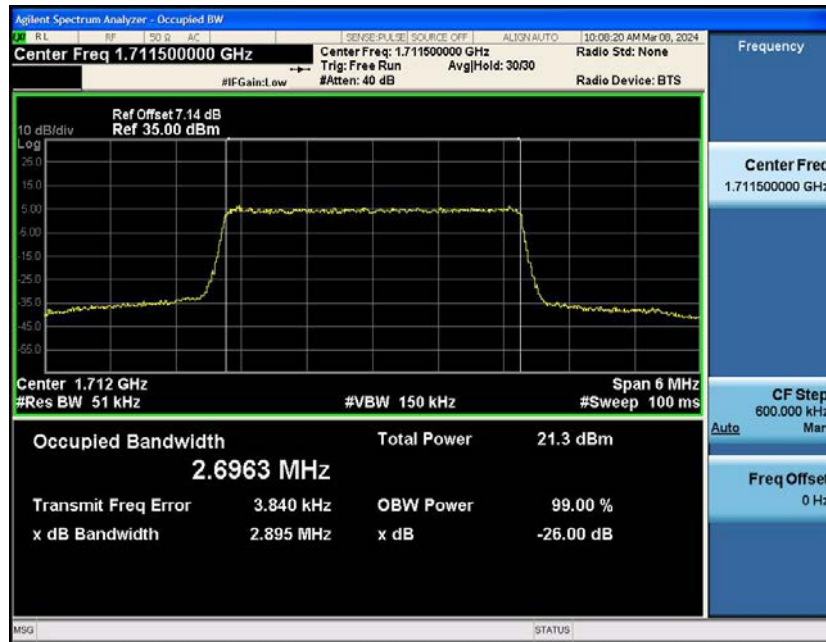


Band4-1.4MHz-16QAM-20393-6RB#0

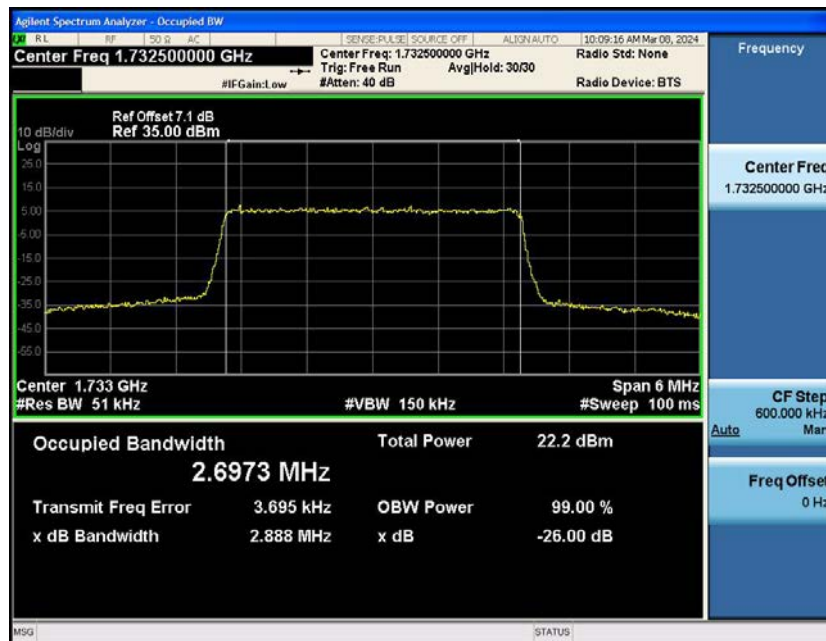


Band4-3MHz-QPSK-19965-15RB#0

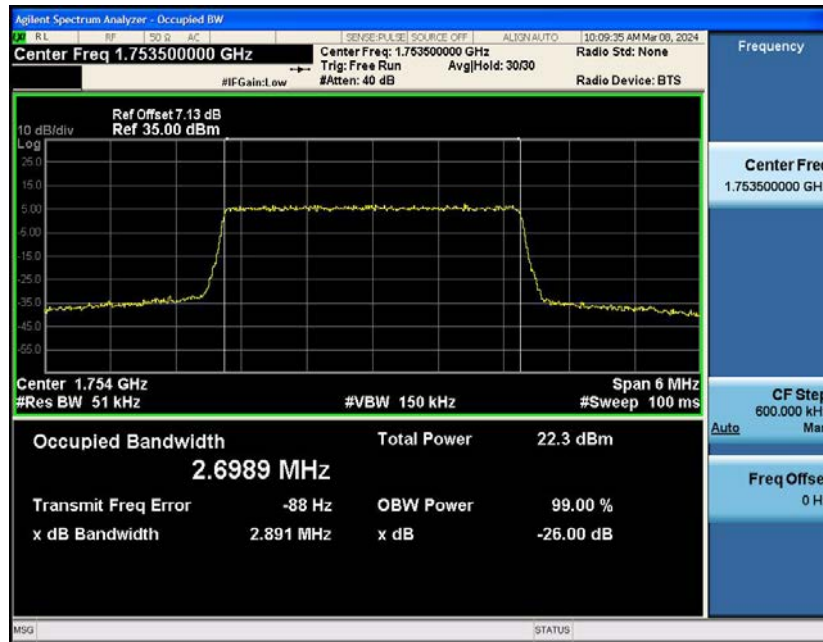




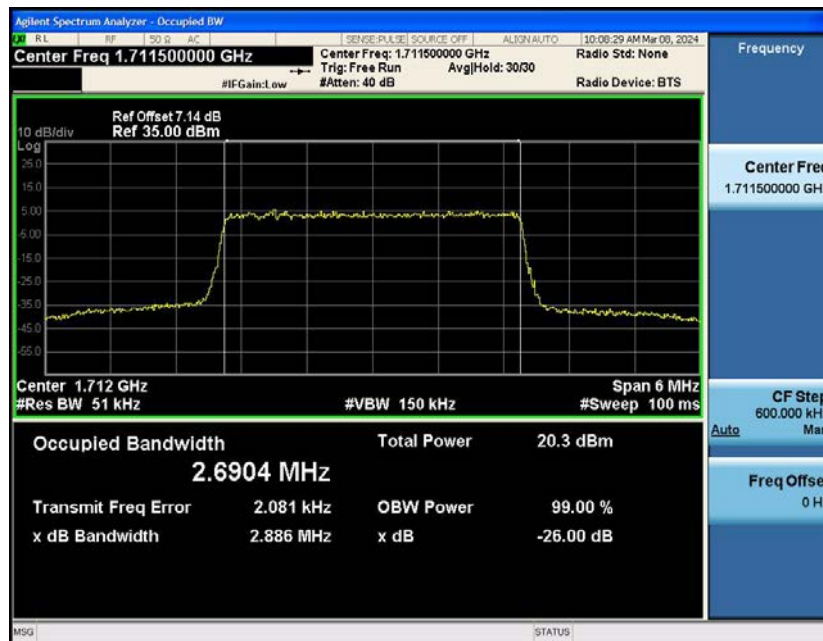
Band4-3MHz-QPSK-20175-15RB#0



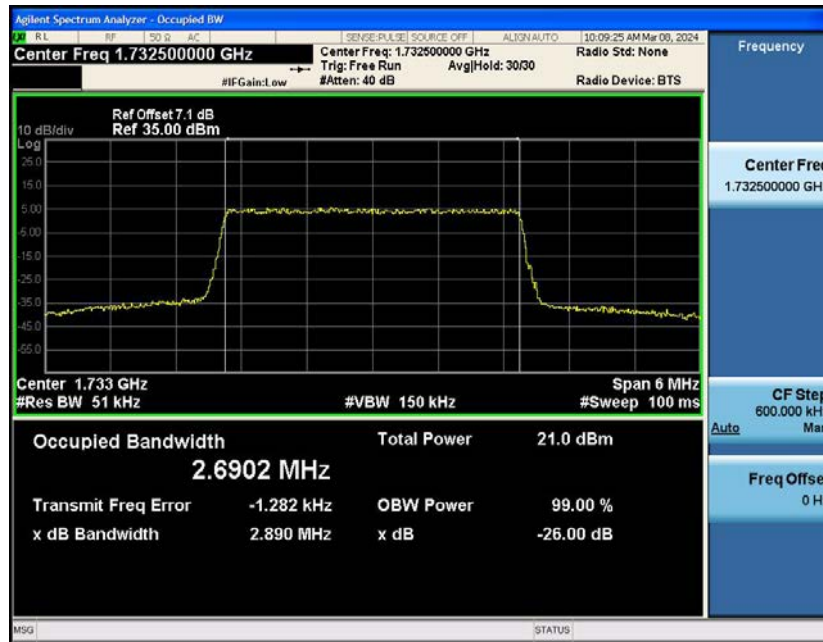
Band4-3MHz-QPSK-20385-15RB#0



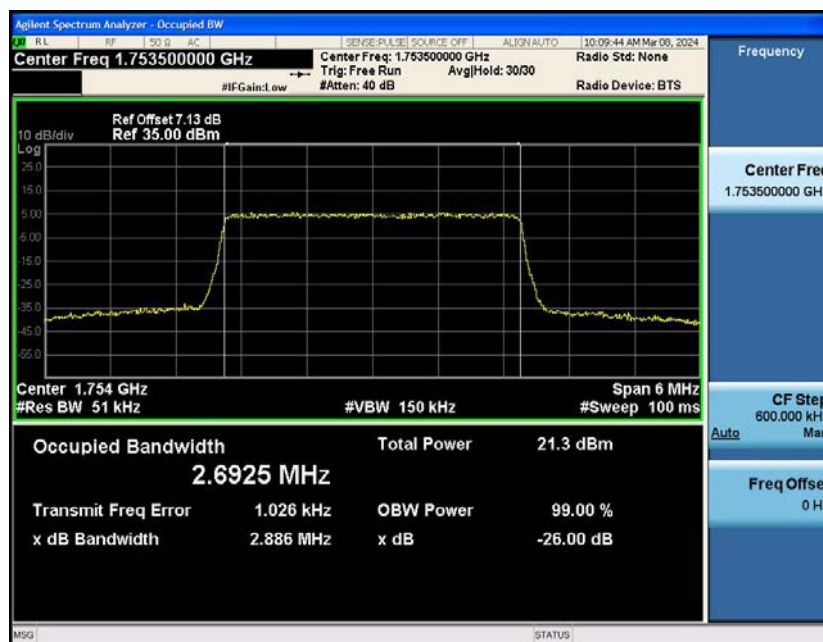
Band4-3MHz-16QAM-19965-15RB#0



Band4-3MHz-16QAM-20175-15RB#0



Band4-3MHz-16QAM-20385-15RB#0



Band4-5MHz-QPSK-19975-25RB#0





Band4-5MHz-QPSK-20175-25RB#0



Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20175-25RB#0



Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-50RB#0





Band4-10MHz-QPSK-20175-50RB#0



Band4-10MHz-QPSK-20350-50RB#0



Band4-10MHz-16QAM-20000-50RB#0



Band4-10MHz-16QAM-20175-50RB#0



Band4-10MHz-16QAM-20350-50RB#0



Band4-15MHz-QPSK-20025-75RB#0





Band4-15MHz-QPSK-20175-75RB#0



Band4-15MHz-QPSK-20325-75RB#0



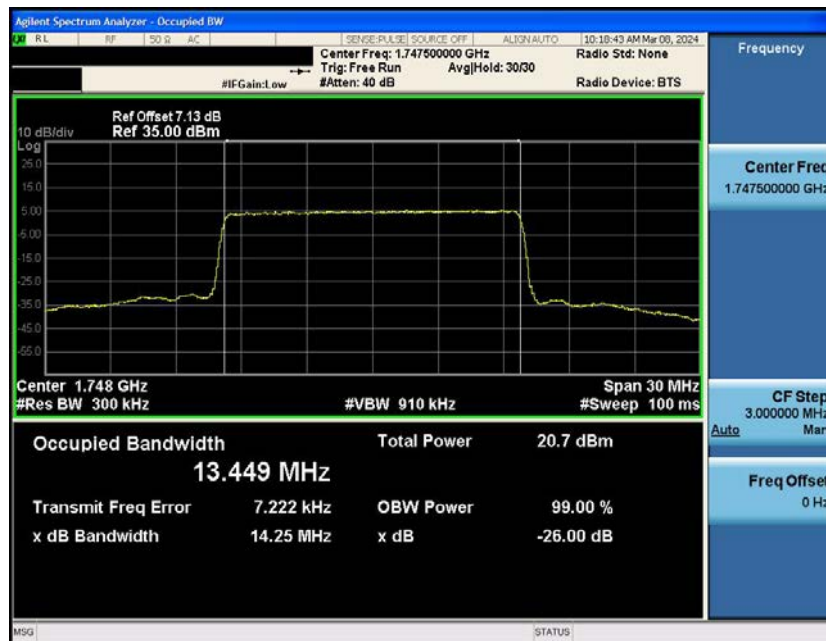
Band4-15MHz-16QAM-20025-75RB#0



Band4-15MHz-16QAM-20175-75RB#0



Band4-15MHz-16QAM-20325-75RB#0



Band4-20MHz-QPSK-20050-100RB#0

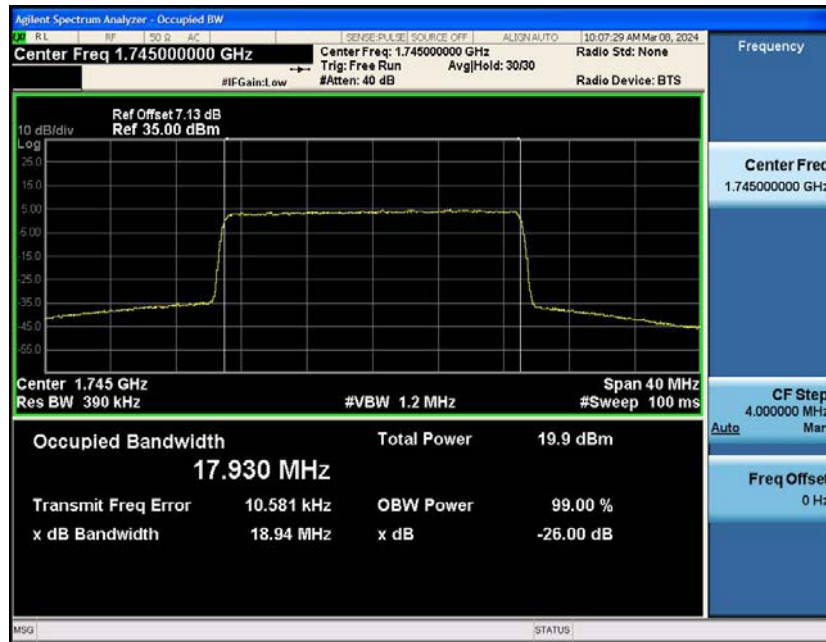




Band4-20MHz-QPSK-20175-100RB#0



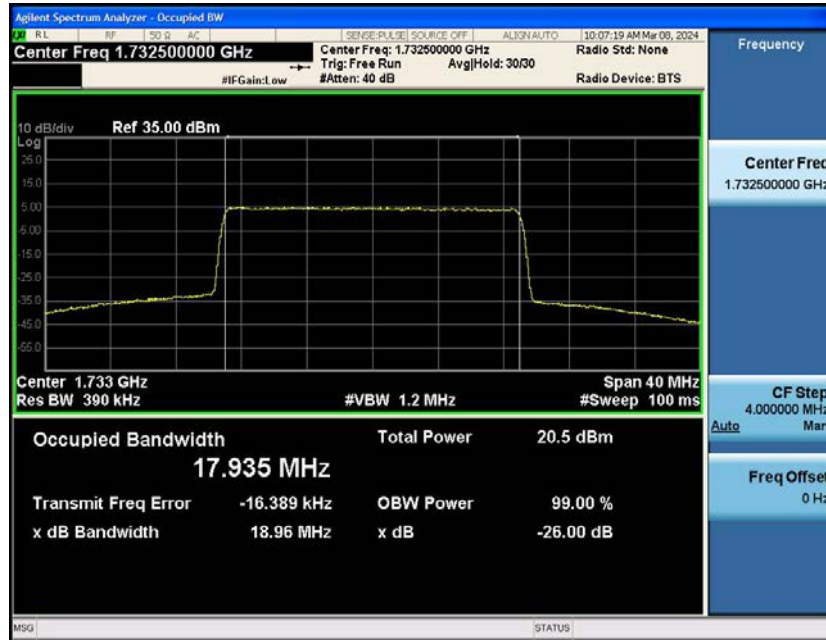
Band4-20MHz-QPSK-20300-100RB#0



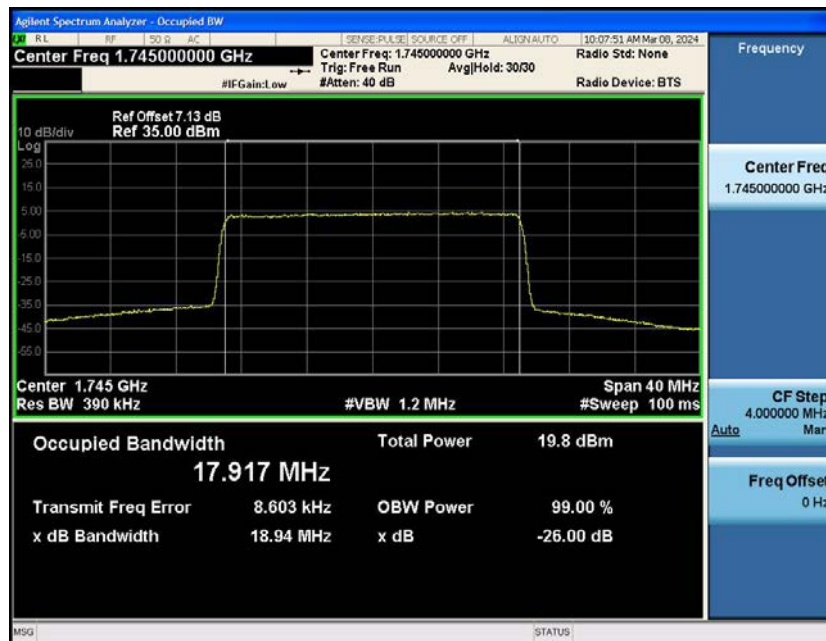
Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0



## 5: Band Edge

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | -25.70      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#5            | -33.73      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | -29.94      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | -32.93      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | -25.22      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | -31.38      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | -27.13      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#5            | -34.40      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | -29.69      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | -34.01      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#5            | -26.00      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | -31.00      | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | -19.17      | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#14           | -40.48      | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | -30.11      | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#0            | -39.31      | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#14           | -18.26      | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | -29.93      | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 1RB#0            | -21.15      | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 1RB#14           | -40.82      | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | -30.22      | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 1RB#0            | -40.02      | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 1RB#14           | -20.46      | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | -32.20      | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 1RB#0            | -16.36      | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 1RB#24           | -46.98      | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | -29.72      | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 1RB#0            | -46.05      | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 1RB#24           | -15.31      | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | -29.53      | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 1RB#0            | -17.82      | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 1RB#24           | -46.73      | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | -30.00      | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 1RB#0            | -46.31      | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 1RB#24           | -17.06      | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | -30.10      | PASS    |



|       |       |       |       |         |        |      |
|-------|-------|-------|-------|---------|--------|------|
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0   | -22.15 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#49  | -42.74 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0  | -31.69 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | -44.69 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#49  | -19.46 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | -35.68 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0   | -21.54 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49  | -44.00 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0  | -30.01 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | -44.69 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49  | -21.28 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0  | -32.80 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | -25.28 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#74  | -42.04 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | -33.19 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | -43.78 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#74  | -24.38 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | -34.93 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | -25.84 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74  | -42.82 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | -29.11 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | -43.92 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74  | -24.75 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | -35.47 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | -33.35 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#99  | -40.90 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | -34.99 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | -42.20 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#99  | -32.55 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | -37.72 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | -33.98 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99  | -42.40 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | -33.00 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0   | -42.03 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99  | -32.75 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | -36.69 | PASS |

## Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



Band4-1.4MHz-QPSK-19957-1RB#5



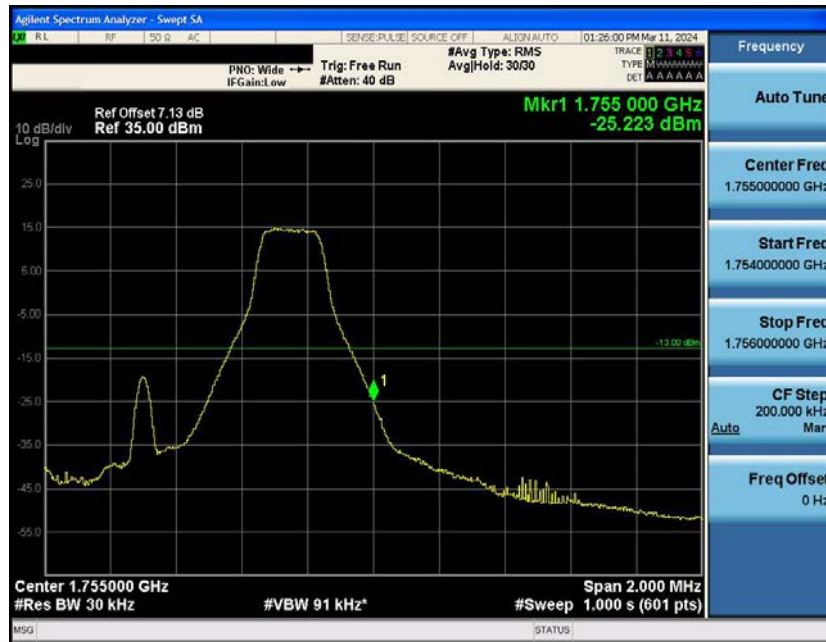
Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20393-1RB#0



Band4-1.4MHz-QPSK-20393-1RB#5



Band4-1.4MHz-QPSK-20393-6RB#0



Band4-1.4MHz-16QAM-19957-1RB#0





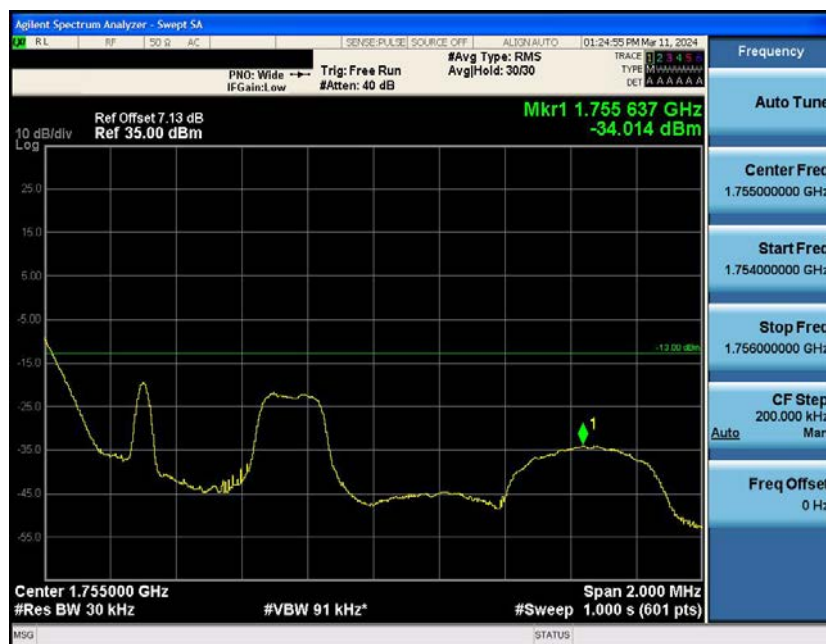
Band4-1.4MHz-16QAM-19957-1RB#5



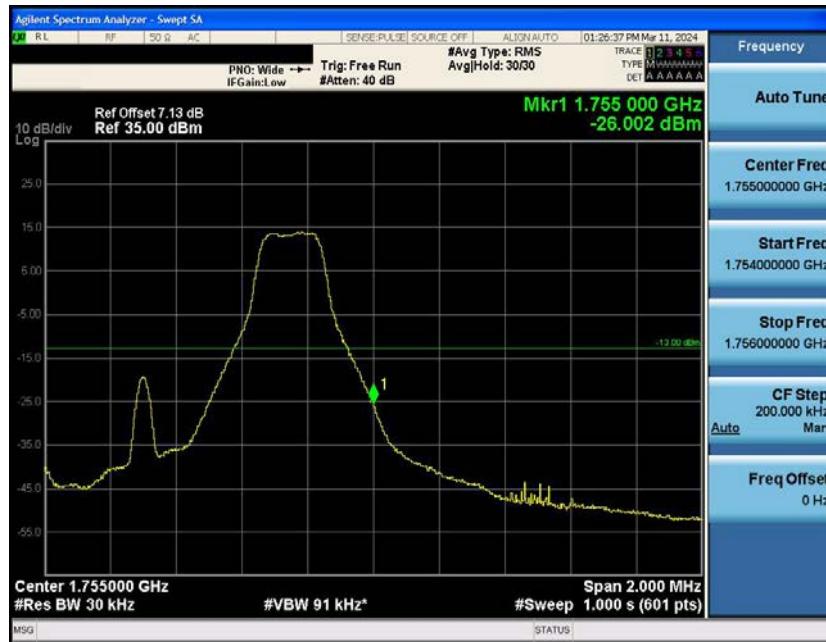
Band4-1.4MHz-16QAM-19957-6RB#0



Band4-1.4MHz-16QAM-20393-1RB#0



Band4-1.4MHz-16QAM-20393-1RB#5



Band4-1.4MHz-16QAM-20393-6RB#0



Band4-3MHz-QPSK-19965-1RB#0



Band4-3MHz-QPSK-19965-1RB#14



Band4-3MHz-QPSK-19965-15RB#0





Band4-3MHz-QPSK-20385-1RB#0



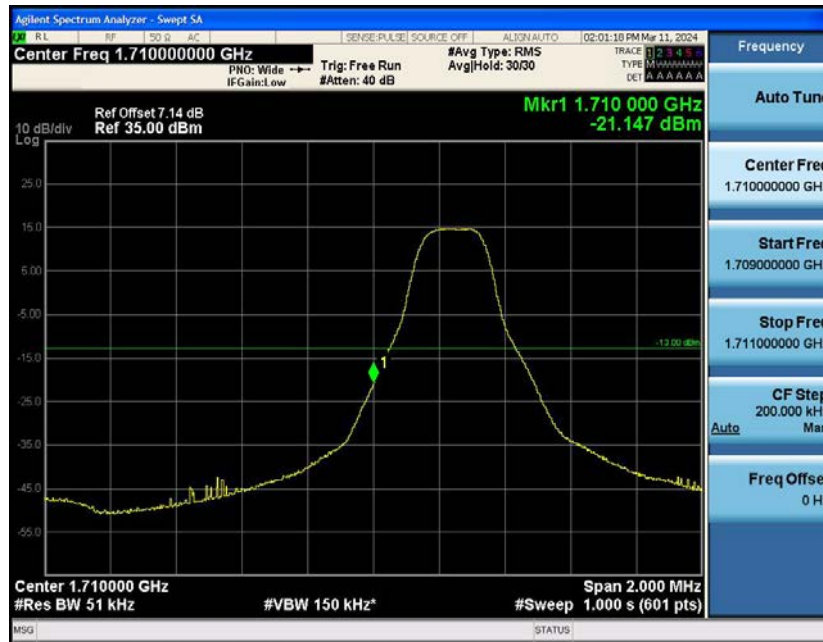
Band4-3MHz-QPSK-20385-1RB#14



Band4-3MHz-QPSK-20385-15RB#0



Band4-3MHz-16QAM-19965-1RB#0



Band4-3MHz-16QAM-19965-1RB#14



Band4-3MHz-16QAM-19965-15RB#0



Band4-3MHz-16QAM-20385-1RB#0



Band4-3MHz-16QAM-20385-1RB#14





Band4-3MHz-16QAM-20385-15RB#0



Band4-5MHz-QPSK-19975-1RB#0



Band4-5MHz-QPSK-19975-1RB#24



Band4-5MHz-QPSK-19975-25RB#0

Band4-5MHz-QPSK-20375-1RB#0



|                              |
|------------------------------|
| Band4-5MHz-QPSK-20375-1RB#24 |
|------------------------------|



Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-1RB#0





Band4-5MHz-16QAM-19975-1RB#24



Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20375-1RB#0



Band4-5MHz-16QAM-20375-1RB#24



Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-1RB#0



Band4-10MHz-QPSK-20000-1RB#49



Band4-10MHz-QPSK-20000-50RB#0