



**BUREAU  
VERITAS**

Reference No.: W7L-P24050018RF11

|                   |    |    |         |   |            |    |     |            |           |      |
|-------------------|----|----|---------|---|------------|----|-----|------------|-----------|------|
| 0-3550            |    |    |         |   |            |    |     |            |           |      |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 40  | -16.000000 | -0.000024 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 50  | 33.000000  | 0.000050  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VL | NT  | -2.000000  | -0.000003 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VN | NT  | 6.000000   | 0.000009  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VH | NT  | 8.000000   | 0.000012  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -30 | 3.000000   | 0.000005  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -20 | 23.000000  | 0.000035  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -10 | -19.000000 | -0.000029 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 0   | -12.000000 | -0.000018 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 10  | -12.000000 | -0.000018 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 20  | -24.000000 | -0.000036 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 30  | 1.000000   | 0.000002  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 40  | 0.000000   | 0.000000  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 50  | 20.000000  | 0.000030  | PASS |

## TEST RESULT-ANT4

| Band              | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
|-------------------|-----|-----------|------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| N78-345<br>0-3550 | 30  | 20        | CP-QPSK    | L       | Outer_Full | VL      | NT          | 11.000000     | 0.000017        | PASS    |
| N78-345<br>0-3550 | 30  | 20        | CP-QPSK    | L       | Outer_Full | VN      | NT          | -30.000000    | -0.000045       | PASS    |
| N78-345<br>0-3550 | 30  | 20        | CP-QPSK    | L       | Outer_Full | VH      | NT          | -28.000000    | -0.000042       | PASS    |
| N78-345<br>0-3550 | 30  | 20        | CP-QPSK    | L       | Outer_Full | NV      | -30         | -17.000000    | -0.000026       | PASS    |
| N78-345<br>0-3550 | 30  | 20        | CP-QPSK    | L       | Outer_Full | NV      | -20         | 2.000000      | 0.000003        | PASS    |
| N78-345<br>0-3550 | 30  | 20        | CP-QPSK    | L       | Outer_Full | NV      | -10         | -10.000000    | -0.000015       | PASS    |
| N78-345<br>0-3550 | 30  | 20        | CP-QPSK    | L       | Outer_Full | NV      | 0           | -18.000000    | -0.000027       | PASS    |
| N78-345<br>0-3550 | 30  | 20        | CP-QPSK    | L       | Outer_Full | NV      | 10          | -5.000000     | -0.000008       | PASS    |



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|                   |    |    |         |   |            |    |     |            |           |      |
|-------------------|----|----|---------|---|------------|----|-----|------------|-----------|------|
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 20  | 33.000000  | 0.000050  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 30  | 6.000000   | 0.000009  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 40  | -21.000000 | -0.000032 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 50  | 25.000000  | 0.000038  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | VL | NT  | -2.000000  | -0.000003 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | VN | NT  | 15.000000  | 0.000023  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | VH | NT  | -31.000000 | -0.000047 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | -30 | 9.000000   | 0.000014  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | -20 | -26.000000 | -0.000039 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | -10 | -8.000000  | -0.000012 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 0   | 27.000000  | 0.000041  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 10  | 1.000000   | 0.000002  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 20  | 17.000000  | 0.000026  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 30  | -32.000000 | -0.000048 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 40  | 1.000000   | 0.000002  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 50  | -11.000000 | -0.000017 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VL | NT  | 34.000000  | 0.000051  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VN | NT  | 12.000000  | 0.000018  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VH | NT  | 33.000000  | 0.000050  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -30 | 35.000000  | 0.000053  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -20 | 11.000000  | 0.000017  | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -10 | -5.000000  | -0.000008 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 0   | -27.000000 | -0.000041 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 10  | -7.000000  | -0.000011 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 20  | -4.000000  | -0.000006 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 30  | 21.000000  | 0.000032  | PASS |



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|                   |    |    |         |   |            |    |    |           |          |      |
|-------------------|----|----|---------|---|------------|----|----|-----------|----------|------|
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 40 | 35.000000 | 0.000053 | PASS |
| N78-345<br>0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 50 | 35.000000 | 0.000053 | PASS |

## N77\_UL\_MIMO-3700-3980

### PEAK-TO-AVERAGE RATIO FOR MIMO PEAK-TO-AVERAGE RATIO(CCDF)

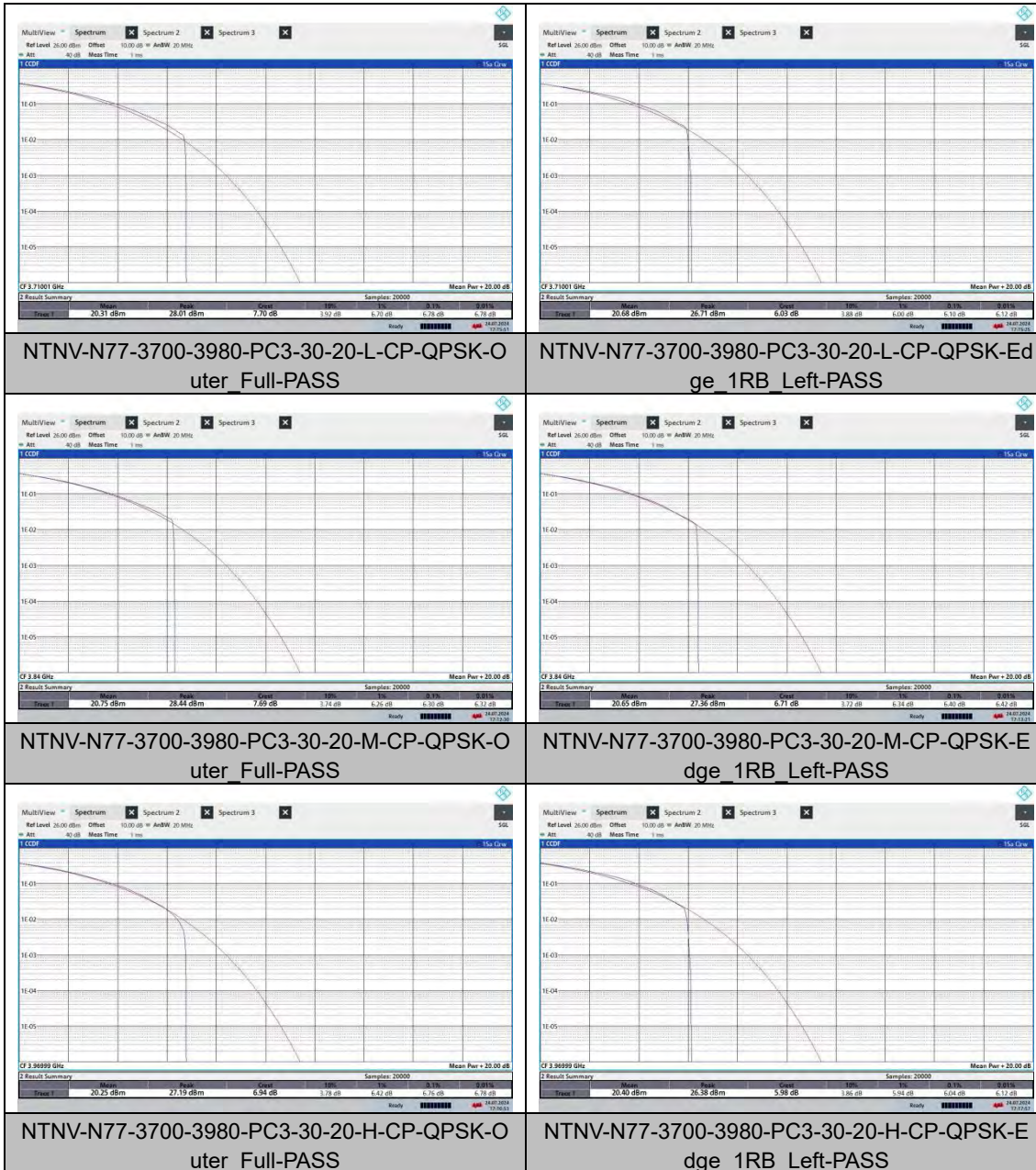
#### TEST RESULT-ANT7

| Band          | SCS | Bandwidth | Modulation | Channel | RB Config     | Result | Limit | Verdict |
|---------------|-----|-----------|------------|---------|---------------|--------|-------|---------|
| N77-3700-3980 | 30  | 20        | CP-QPSK    | L       | Outer_Full    | 6.78   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | L       | Edge_1RB_Left | 6.10   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | M       | Outer_Full    | 6.30   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | M       | Edge_1RB_Left | 6.40   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | H       | Outer_Full    | 6.76   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | H       | Edge_1RB_Left | 6.04   | ≤13   | PASS    |

#### TEST RESULT-ANT4

| Band          | SCS | Bandwidth | Modulation | Channel | RB Config     | Result | Limit | Verdict |
|---------------|-----|-----------|------------|---------|---------------|--------|-------|---------|
| N77-3700-3980 | 30  | 20        | CP-QPSK    | L       | Outer_Full    | 5.18   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | L       | Edge_1RB_Left | 5.10   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | M       | Outer_Full    | 5.28   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | M       | Edge_1RB_Left | 5.28   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | H       | Outer_Full    | 5.94   | ≤13   | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | H       | Edge_1RB_Left | 6.30   | ≤13   | PASS    |

## TEST GRAPHS-ANT7

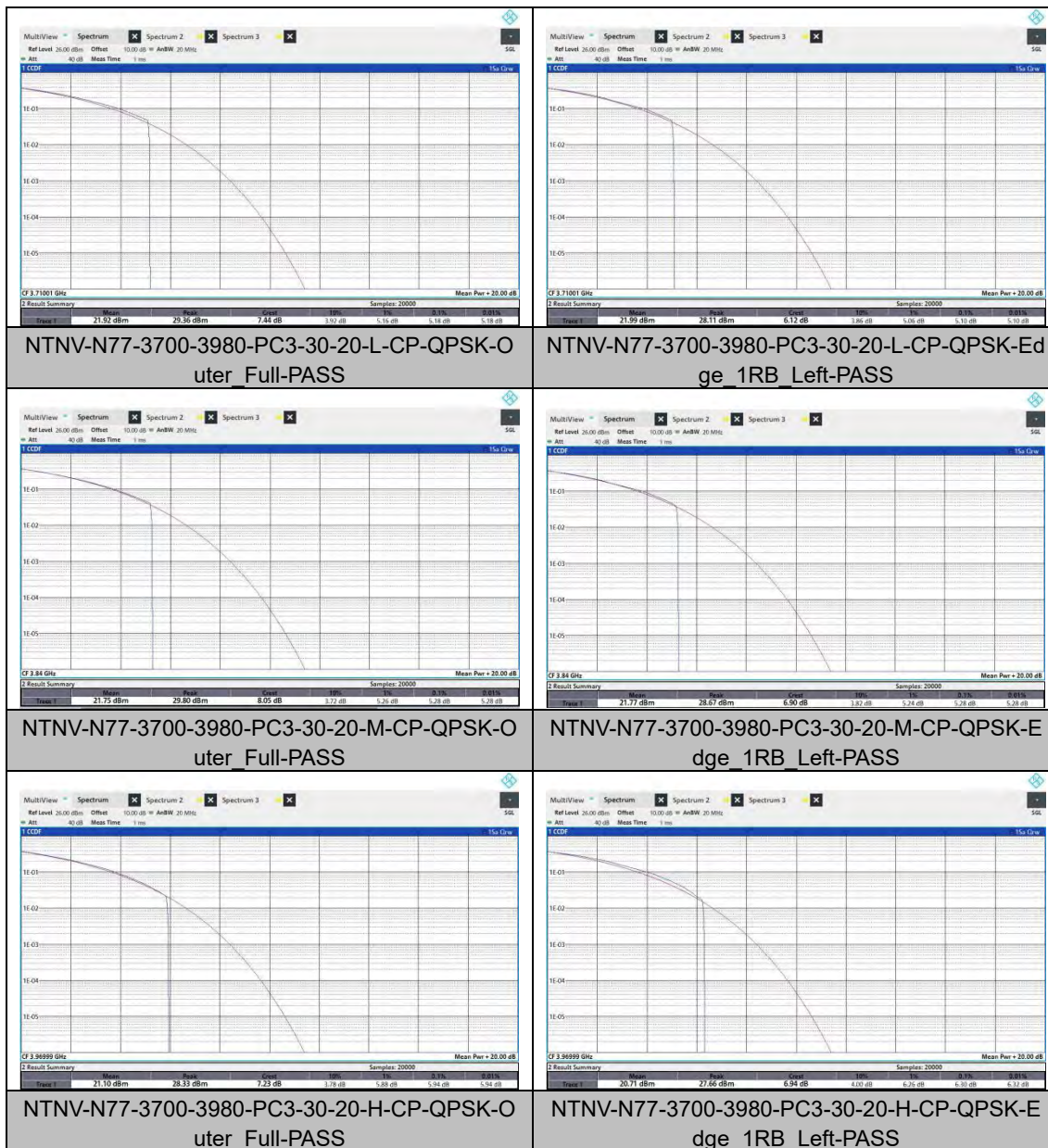




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VERITAS

Reference No.: W7L-P24050018RF11

## TEST GRAPHS-ANT4



## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR MIMO TEST RESULT-ANT7

| Band              | SCS | Bandwidth | Modulation | Channel | RB Config  | Result<br>(99%) | Result<br>(26dB) | Verdict |
|-------------------|-----|-----------|------------|---------|------------|-----------------|------------------|---------|
| N77-3700<br>-3980 | 30  | 10        | CP-QPSK    | M       | Outer_Full | 8.587           | 9.57             | PASS    |
| N77-3700<br>-3980 | 30  | 10        | CP-16QAM   | M       | Outer_Full | 8.563           | 9.51             | PASS    |
| N77-3700<br>-3980 | 30  | 10        | CP-64QAM   | M       | Outer_Full | 8.569           | 9.43             | PASS    |
| N77-3700<br>-3980 | 30  | 10        | CP-256QAM  | M       | Outer_Full | 8.591           | 9.43             | PASS    |
| N77-3700<br>-3980 | 30  | 20        | CP-QPSK    | M       | Outer_Full | 18.199          | 19.62            | PASS    |
| N77-3700<br>-3980 | 30  | 20        | CP-16QAM   | M       | Outer_Full | 18.253          | 19.78            | PASS    |
| N77-3700<br>-3980 | 30  | 20        | CP-64QAM   | M       | Outer_Full | 18.209          | 19.70            | PASS    |
| N77-3700<br>-3980 | 30  | 20        | CP-256QAM  | M       | Outer_Full | 18.194          | 19.58            | PASS    |
| N77-3700<br>-3980 | 30  | 30        | CP-QPSK    | M       | Outer_Full | 27.863          | 29.49            | PASS    |
| N77-3700<br>-3980 | 30  | 30        | CP-16QAM   | M       | Outer_Full | 27.797          | 29.49            | PASS    |
| N77-3700<br>-3980 | 30  | 30        | CP-64QAM   | M       | Outer_Full | 27.829          | 29.31            | PASS    |
| N77-3700<br>-3980 | 30  | 30        | CP-256QAM  | M       | Outer_Full | 27.909          | 29.37            | PASS    |
| N77-3700<br>-3980 | 30  | 40        | CP-QPSK    | M       | Outer_Full | 37.803          | 39.80            | PASS    |
| N77-3700<br>-3980 | 30  | 40        | CP-16QAM   | M       | Outer_Full | 37.828          | 39.72            | PASS    |
| N77-3700<br>-3980 | 30  | 40        | CP-64QAM   | M       | Outer_Full | 37.767          | 39.64            | PASS    |
| N77-3700<br>-3980 | 30  | 40        | CP-256QAM  | M       | Outer_Full | 37.833          | 39.80            | PASS    |
| N77-3700<br>-3980 | 30  | 50        | CP-QPSK    | M       | Outer_Full | 47.446          | 49.65            | PASS    |
| N77-3700<br>-3980 | 30  | 50        | CP-16QAM   | M       | Outer_Full | 47.334          | 49.35            | PASS    |
| N77-3700<br>-3980 | 30  | 50        | CP-64QAM   | M       | Outer_Full | 47.449          | 49.25            | PASS    |
| N77-3700<br>-3980 | 30  | 50        | CP-256QAM  | M       | Outer_Full | 47.462          | 49.45            | PASS    |
| N77-3700<br>-3980 | 30  | 60        | CP-QPSK    | M       | Outer_Full | 57.777          | 60.66            | PASS    |
| N77-3700<br>-3980 | 30  | 60        | CP-16QAM   | M       | Outer_Full | 57.933          | 60.54            | PASS    |



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|               |    |     |           |   |            |        |        |      |
|---------------|----|-----|-----------|---|------------|--------|--------|------|
| N77-3700-3980 | 30 | 60  | CP-64QAM  | M | Outer_Full | 57.786 | 60.90  | PASS |
| N77-3700-3980 | 30 | 60  | CP-256QAM | M | Outer_Full | 57.772 | 60.66  | PASS |
| N77-3700-3980 | 30 | 70  | CP-QPSK   | M | Outer_Full | 67.454 | 70.35  | PASS |
| N77-3700-3980 | 30 | 70  | CP-16QAM  | M | Outer_Full | 67.464 | 70.35  | PASS |
| N77-3700-3980 | 30 | 70  | CP-64QAM  | M | Outer_Full | 67.544 | 70.49  | PASS |
| N77-3700-3980 | 30 | 70  | CP-256QAM | M | Outer_Full | 67.494 | 70.49  | PASS |
| N77-3700-3980 | 30 | 80  | CP-QPSK   | M | Outer_Full | 77.517 | 80.56  | PASS |
| N77-3700-3980 | 30 | 80  | CP-16QAM  | M | Outer_Full | 77.423 | 80.40  | PASS |
| N77-3700-3980 | 30 | 80  | CP-64QAM  | M | Outer_Full | 77.463 | 80.40  | PASS |
| N77-3700-3980 | 30 | 80  | CP-256QAM | M | Outer_Full | 77.570 | 80.56  | PASS |
| N77-3700-3980 | 30 | 90  | CP-QPSK   | M | Outer_Full | 87.504 | 90.81  | PASS |
| N77-3700-3980 | 30 | 90  | CP-16QAM  | M | Outer_Full | 87.388 | 90.45  | PASS |
| N77-3700-3980 | 30 | 90  | CP-64QAM  | M | Outer_Full | 87.557 | 90.81  | PASS |
| N77-3700-3980 | 30 | 90  | CP-256QAM | M | Outer_Full | 87.510 | 90.63  | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK   | M | Outer_Full | 97.341 | 100.70 | PASS |
| N77-3700-3980 | 30 | 100 | CP-16QAM  | M | Outer_Full | 97.244 | 100.70 | PASS |
| N77-3700-3980 | 30 | 100 | CP-64QAM  | M | Outer_Full | 97.258 | 100.70 | PASS |
| N77-3700-3980 | 30 | 100 | CP-256QAM | M | Outer_Full | 97.282 | 100.70 | PASS |

#### TEST RESULT-ANT4

| Band          | SCS | Bandwidth | Modulation | Channel | RB Config  | Result (99%) | Result (26dB) | Verdict |
|---------------|-----|-----------|------------|---------|------------|--------------|---------------|---------|
| N77-3700-3980 | 30  | 10        | CP-QPSK    | M       | Outer_Full | 8.608        | 9.61          | PASS    |
| N77-3700-3980 | 30  | 10        | CP-16QAM   | M       | Outer_Full | 8.602        | 9.63          | PASS    |
| N77-3700-3980 | 30  | 10        | CP-64QAM   | M       | Outer_Full | 8.560        | 9.43          | PASS    |
| N77-3700-3980 | 30  | 10        | CP-256QAM  | M       | Outer_Full | 8.574        | 9.37          | PASS    |
| N77-3700-3980 | 30  | 20        | CP-QPSK    | M       | Outer_Full | 18.232       | 19.82         | PASS    |
| N77-3700-3980 | 30  | 20        | CP-16QAM   | M       | Outer_Full | 18.216       | 19.66         | PASS    |
| N77-3700-3980 | 30  | 20        | CP-64QAM   | M       | Outer_Full | 18.240       | 19.66         | PASS    |



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|                   |    |    |           |   |            |        |       |      |
|-------------------|----|----|-----------|---|------------|--------|-------|------|
| N77-3700<br>-3980 | 30 | 20 | CP-256QAM | M | Outer_Full | 18.290 | 19.66 | PASS |
| N77-3700<br>-3980 | 30 | 30 | CP-QPSK   | M | Outer_Full | 27.808 | 29.43 | PASS |
| N77-3700<br>-3980 | 30 | 30 | CP-16QAM  | M | Outer_Full | 27.788 | 29.49 | PASS |
| N77-3700<br>-3980 | 30 | 30 | CP-64QAM  | M | Outer_Full | 27.840 | 29.25 | PASS |
| N77-3700<br>-3980 | 30 | 30 | CP-256QAM | M | Outer_Full | 27.825 | 29.31 | PASS |
| N77-3700<br>-3980 | 30 | 40 | CP-QPSK   | M | Outer_Full | 37.789 | 39.88 | PASS |
| N77-3700<br>-3980 | 30 | 40 | CP-16QAM  | M | Outer_Full | 37.753 | 39.88 | PASS |
| N77-3700<br>-3980 | 30 | 40 | CP-64QAM  | M | Outer_Full | 37.798 | 39.80 | PASS |
| N77-3700<br>-3980 | 30 | 40 | CP-256QAM | M | Outer_Full | 37.875 | 39.80 | PASS |
| N77-3700<br>-3980 | 30 | 50 | CP-QPSK   | M | Outer_Full | 47.403 | 49.65 | PASS |
| N77-3700<br>-3980 | 30 | 50 | CP-16QAM  | M | Outer_Full | 47.390 | 49.35 | PASS |
| N77-3700<br>-3980 | 30 | 50 | CP-64QAM  | M | Outer_Full | 47.397 | 49.45 | PASS |
| N77-3700<br>-3980 | 30 | 50 | CP-256QAM | M | Outer_Full | 47.486 | 49.55 | PASS |
| N77-3700<br>-3980 | 30 | 60 | CP-QPSK   | M | Outer_Full | 57.682 | 60.66 | PASS |
| N77-3700<br>-3980 | 30 | 60 | CP-16QAM  | M | Outer_Full | 57.802 | 60.78 | PASS |
| N77-3700<br>-3980 | 30 | 60 | CP-64QAM  | M | Outer_Full | 57.862 | 60.78 | PASS |
| N77-3700<br>-3980 | 30 | 60 | CP-256QAM | M | Outer_Full | 57.845 | 60.90 | PASS |
| N77-3700<br>-3980 | 30 | 70 | CP-QPSK   | M | Outer_Full | 67.376 | 70.35 | PASS |
| N77-3700<br>-3980 | 30 | 70 | CP-16QAM  | M | Outer_Full | 67.563 | 70.63 | PASS |
| N77-3700<br>-3980 | 30 | 70 | CP-64QAM  | M | Outer_Full | 67.426 | 70.49 | PASS |
| N77-3700<br>-3980 | 30 | 70 | CP-256QAM | M | Outer_Full | 67.567 | 70.35 | PASS |
| N77-3700<br>-3980 | 30 | 80 | CP-QPSK   | M | Outer_Full | 77.575 | 80.56 | PASS |
| N77-3700<br>-3980 | 30 | 80 | CP-16QAM  | M | Outer_Full | 77.368 | 80.56 | PASS |
| N77-3700<br>-3980 | 30 | 80 | CP-64QAM  | M | Outer_Full | 77.398 | 80.40 | PASS |
| N77-3700<br>-3980 | 30 | 80 | CP-256QAM | M | Outer_Full | 77.422 | 80.72 | PASS |
| N77-3700<br>-3980 | 30 | 90 | CP-QPSK   | M | Outer_Full | 87.459 | 90.63 | PASS |
| N77-3700<br>-3980 | 30 | 90 | CP-16QAM  | M | Outer_Full | 87.231 | 90.45 | PASS |



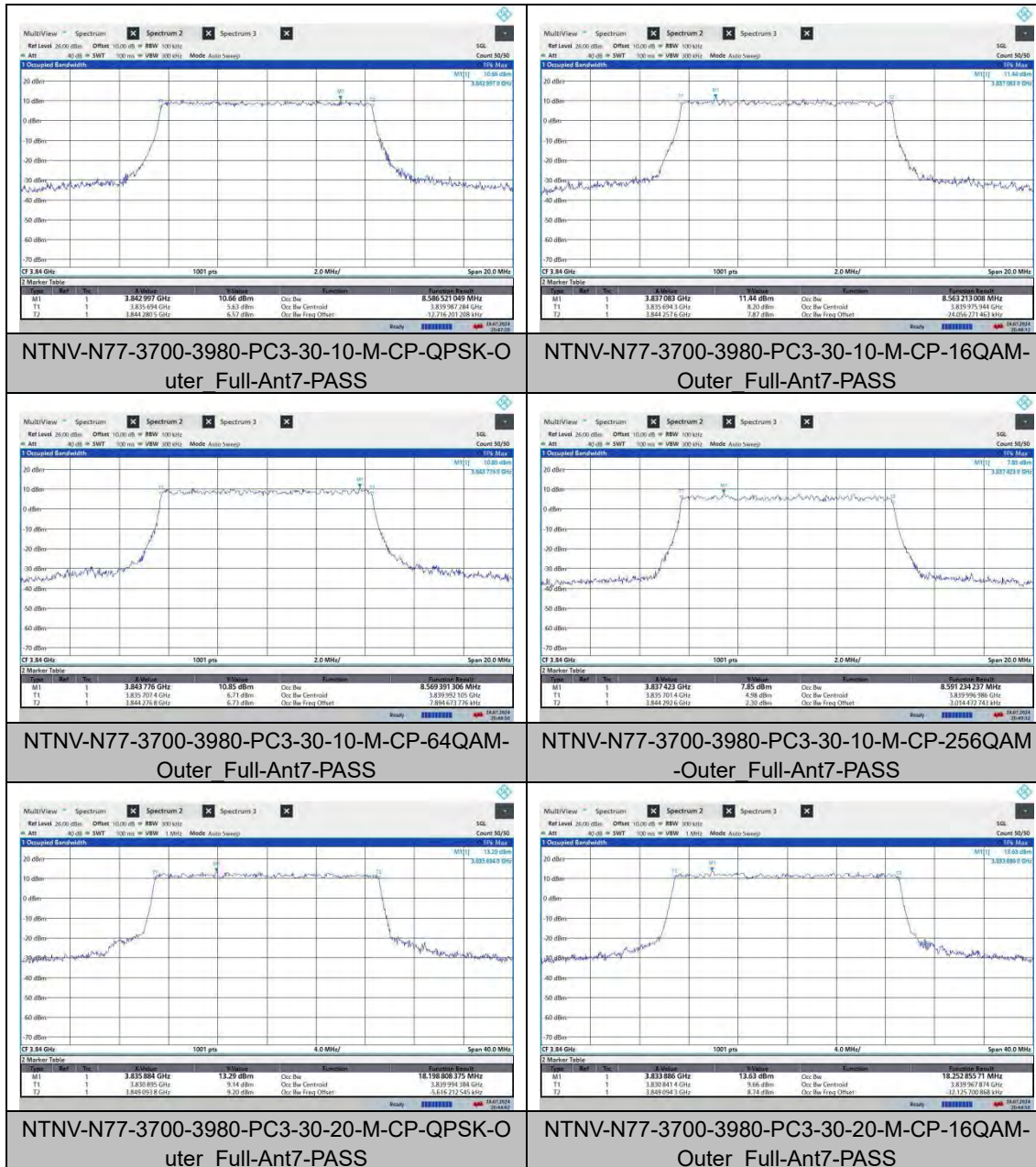
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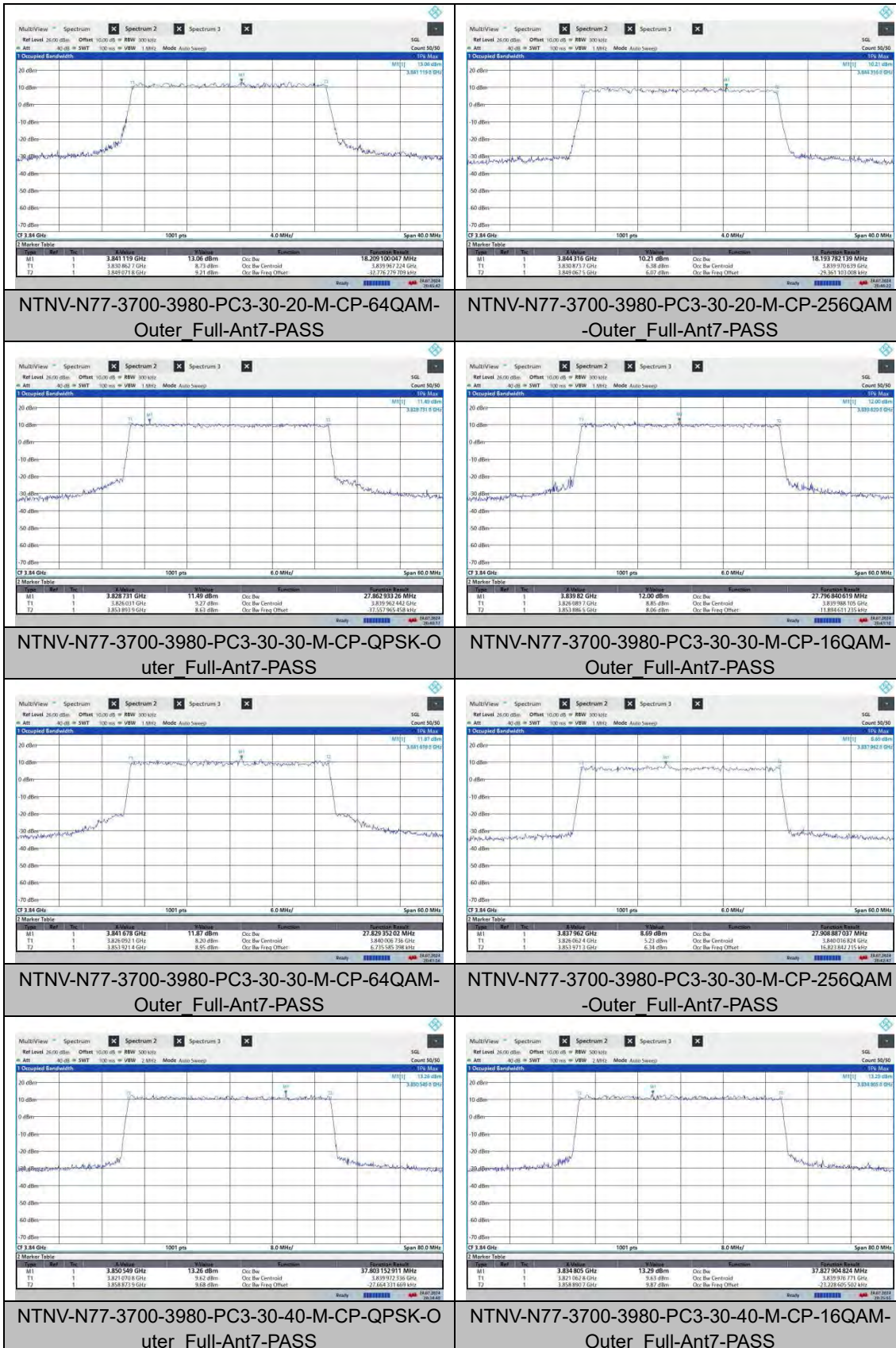
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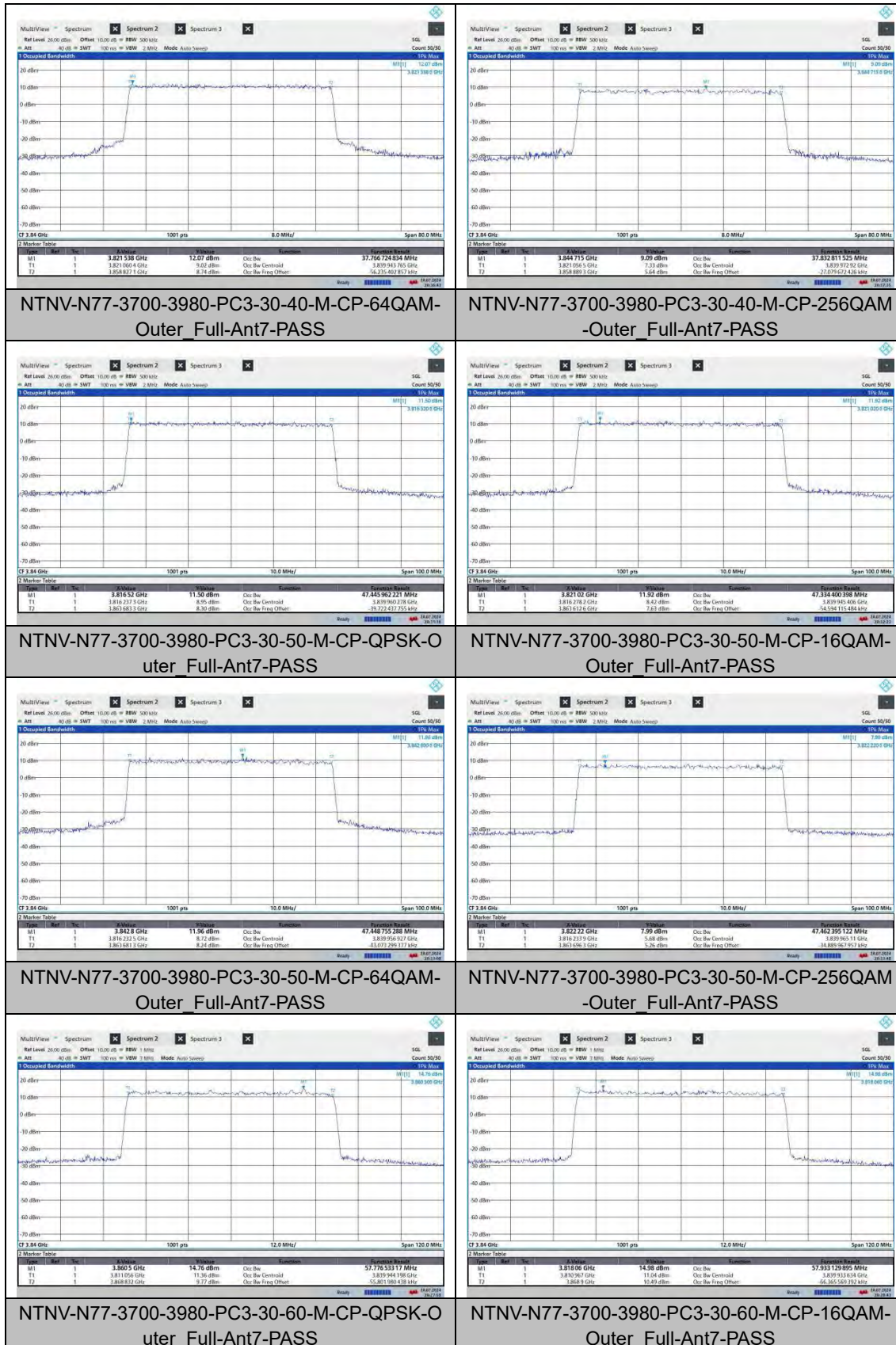
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|-------------------|----|-----|-----------|---|------------|--------|--------|------|
| N77-3700<br>-3980 | 30 | 90  | CP-64QAM  | M | Outer_Full | 87.216 | 90.63  | PASS |
| N77-3700<br>-3980 | 30 | 90  | CP-256QAM | M | Outer_Full | 87.274 | 90.63  | PASS |
| N77-3700<br>-3980 | 30 | 100 | CP-QPSK   | M | Outer_Full | 97.316 | 100.70 | PASS |
| N77-3700<br>-3980 | 30 | 100 | CP-16QAM  | M | Outer_Full | 97.248 | 100.90 | PASS |
| N77-3700<br>-3980 | 30 | 100 | CP-64QAM  | M | Outer_Full | 97.544 | 100.70 | PASS |
| N77-3700<br>-3980 | 30 | 100 | CP-256QAM | M | Outer_Full | 97.358 | 100.70 | PASS |

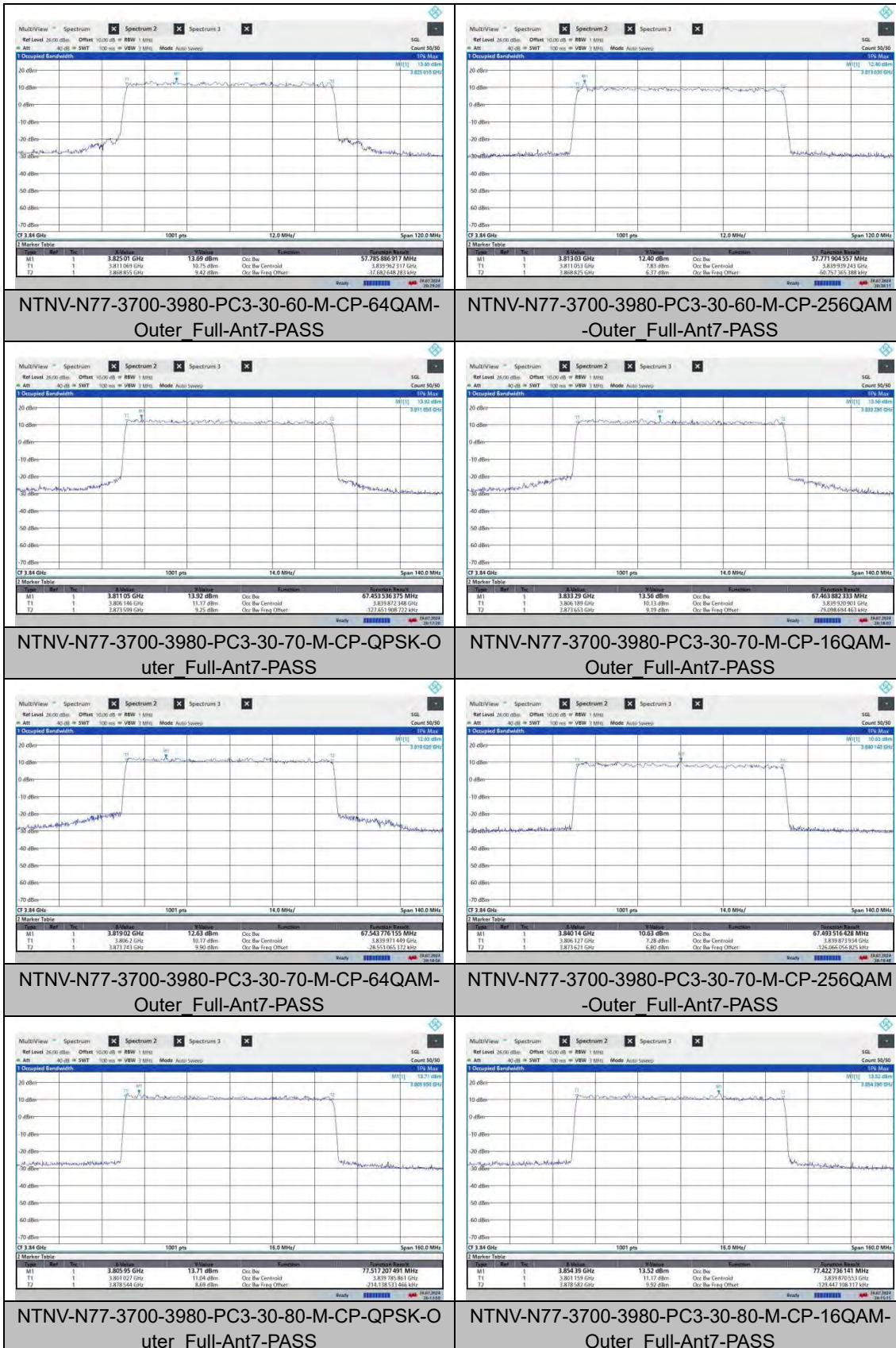
## TEST GRAPHS-ANT7

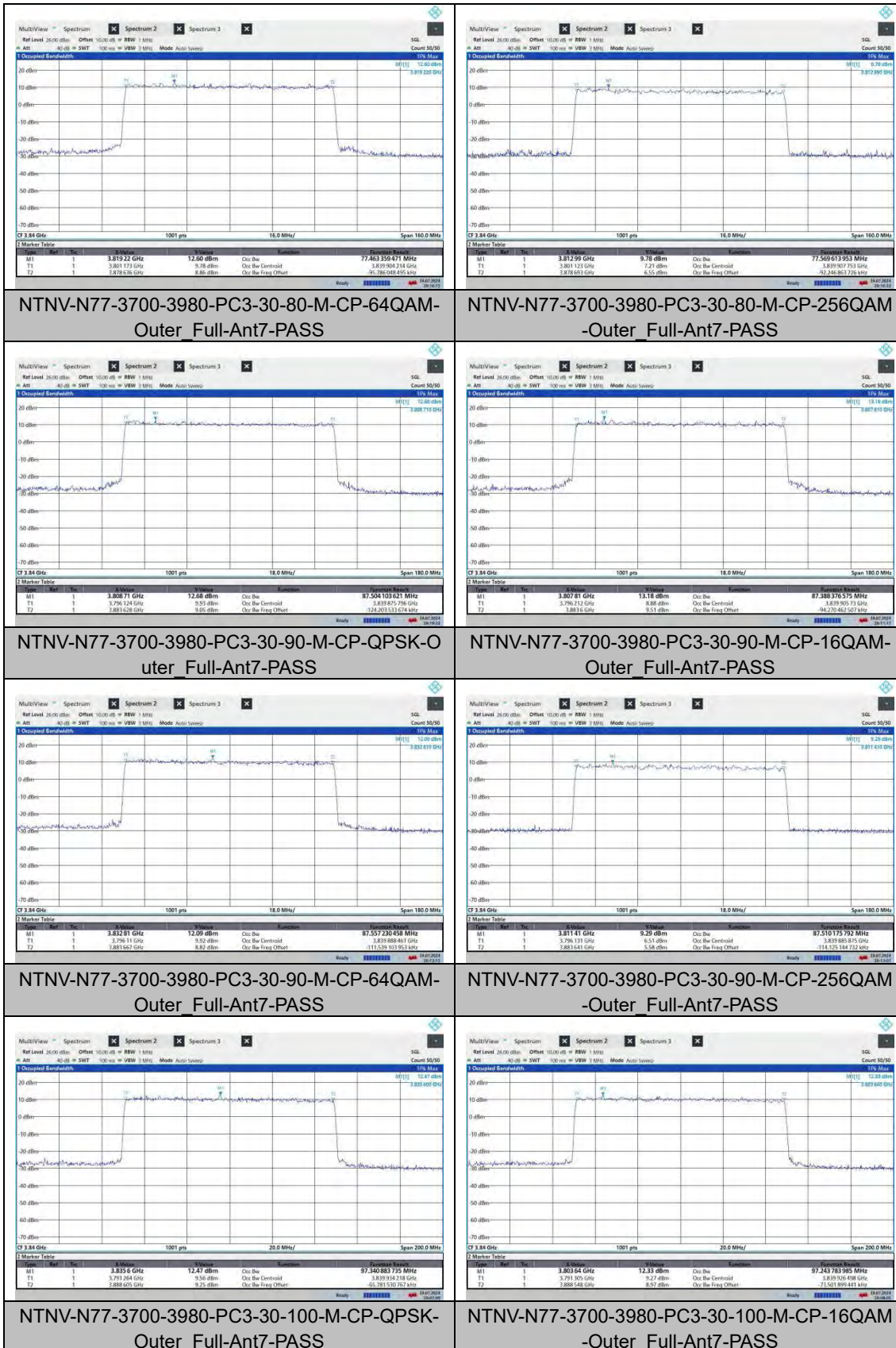
### OCCUPIED BANDWIDTH

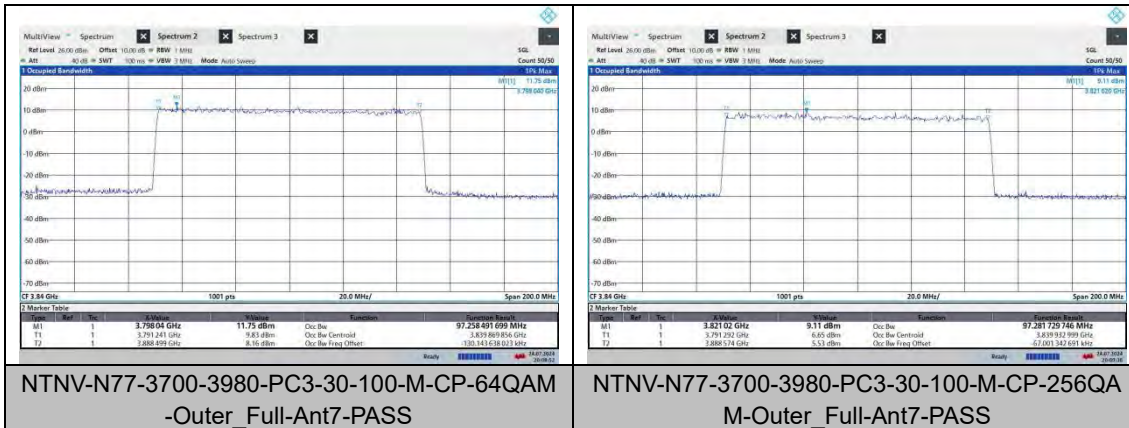




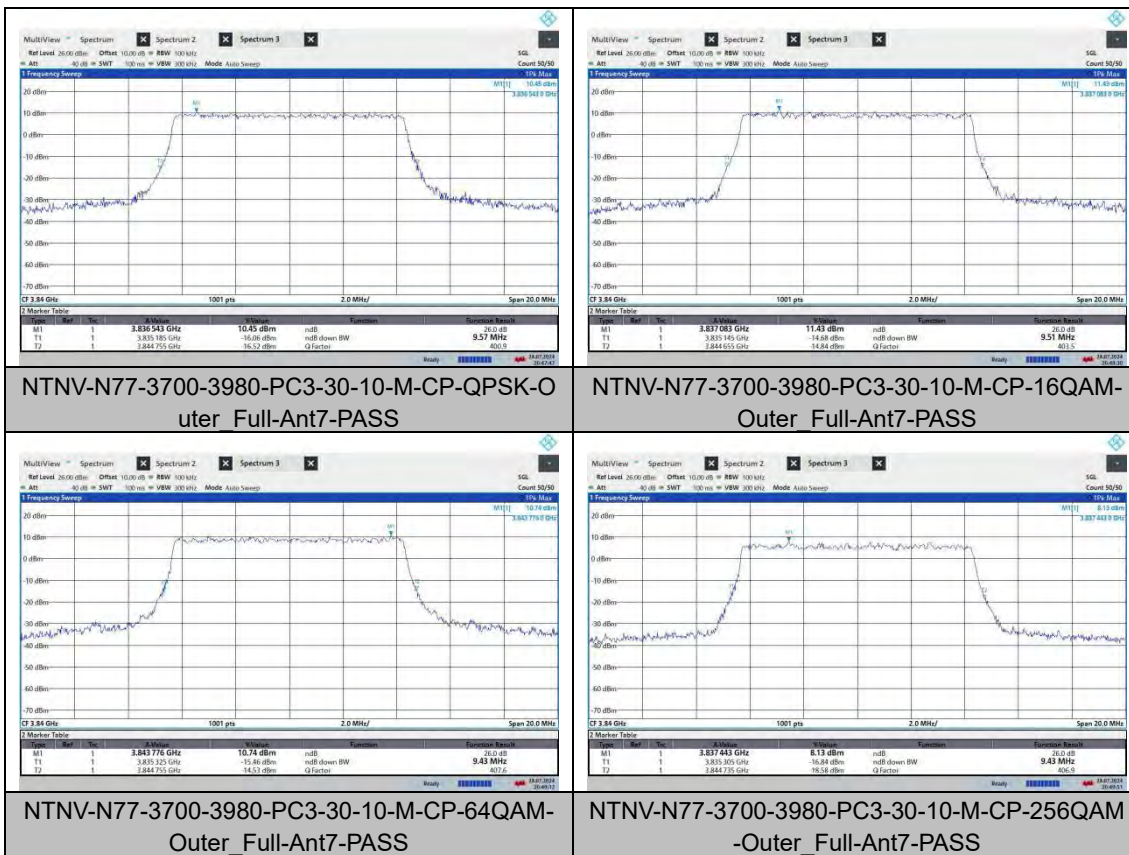


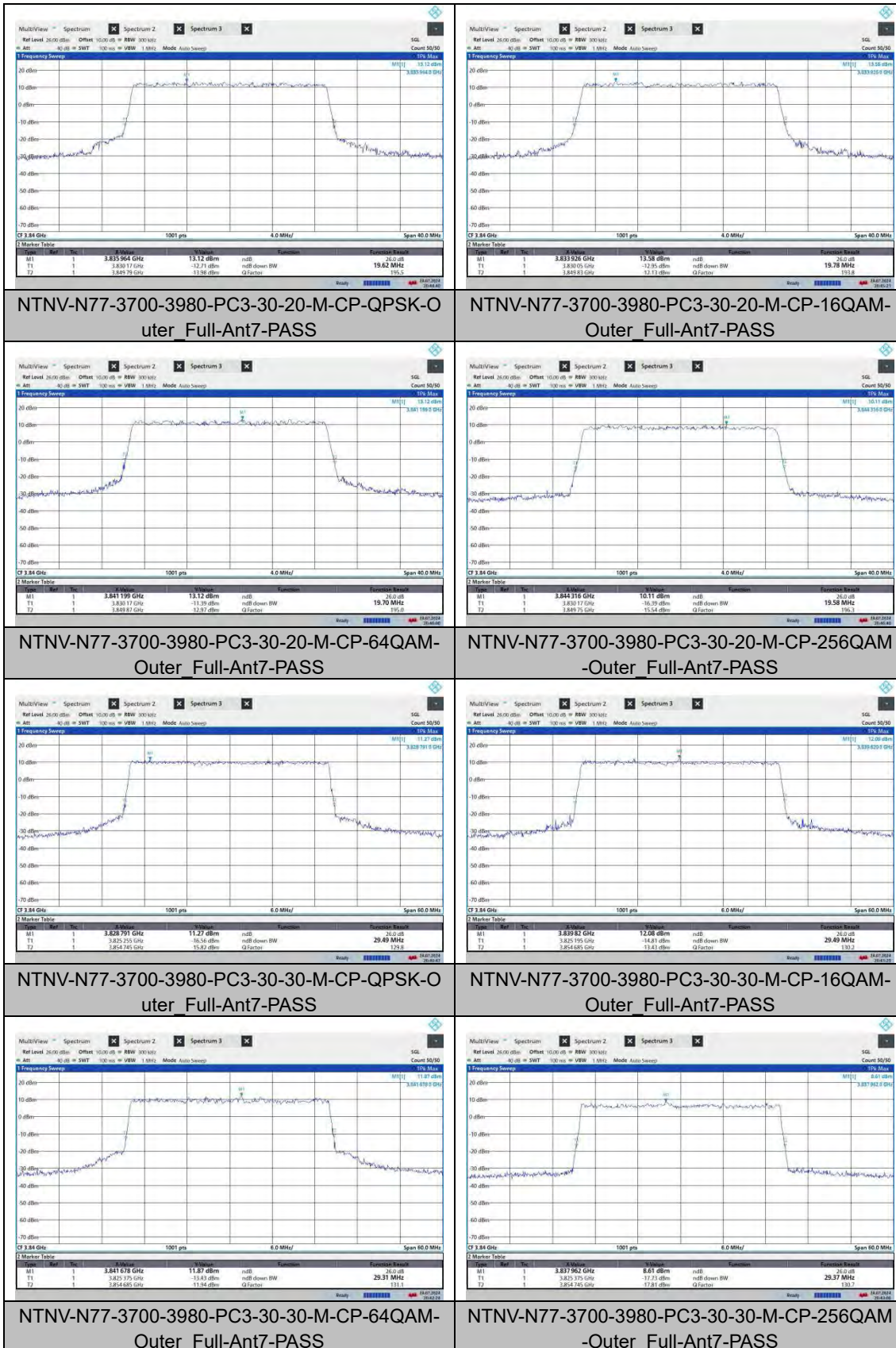


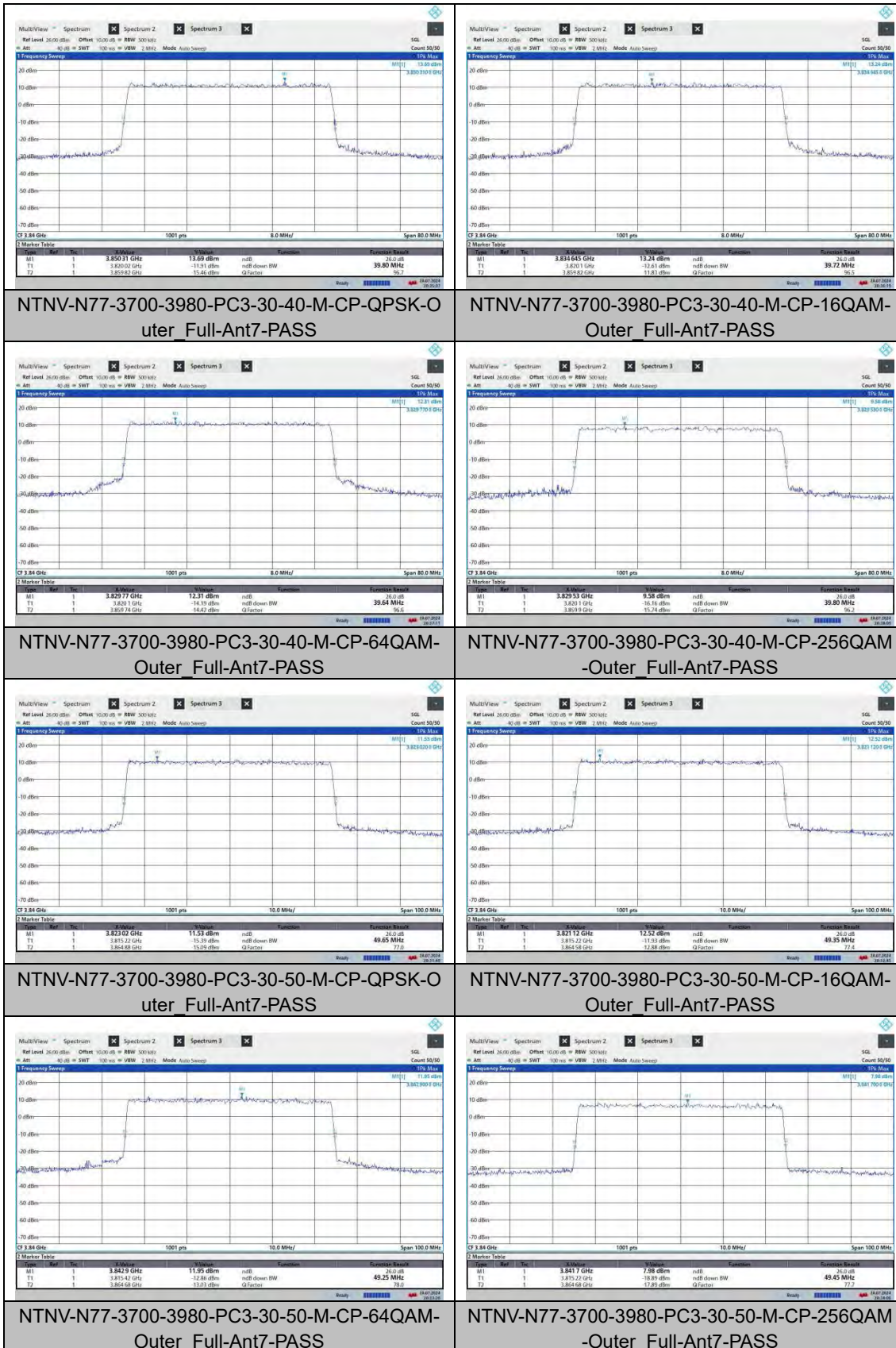


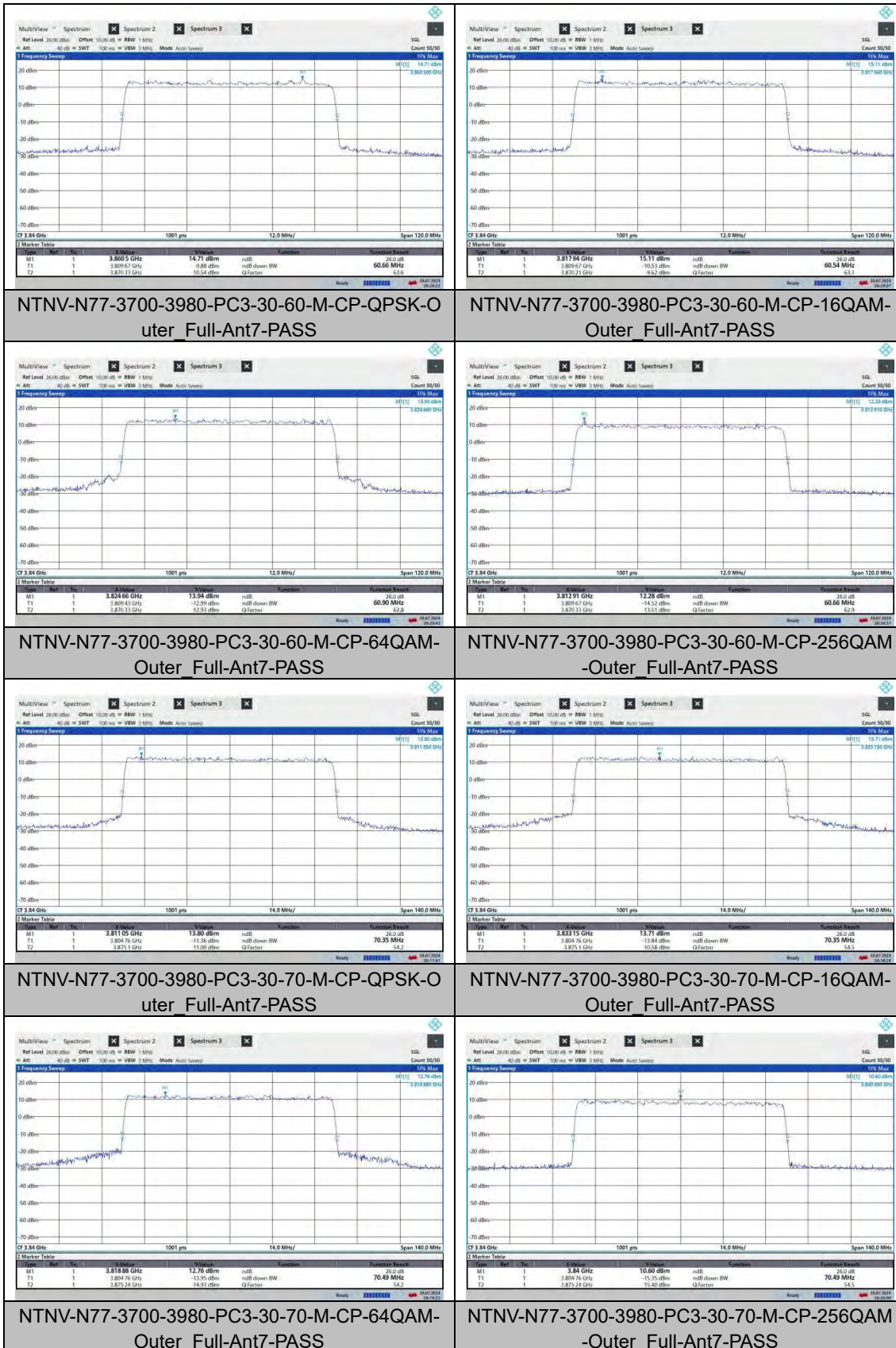


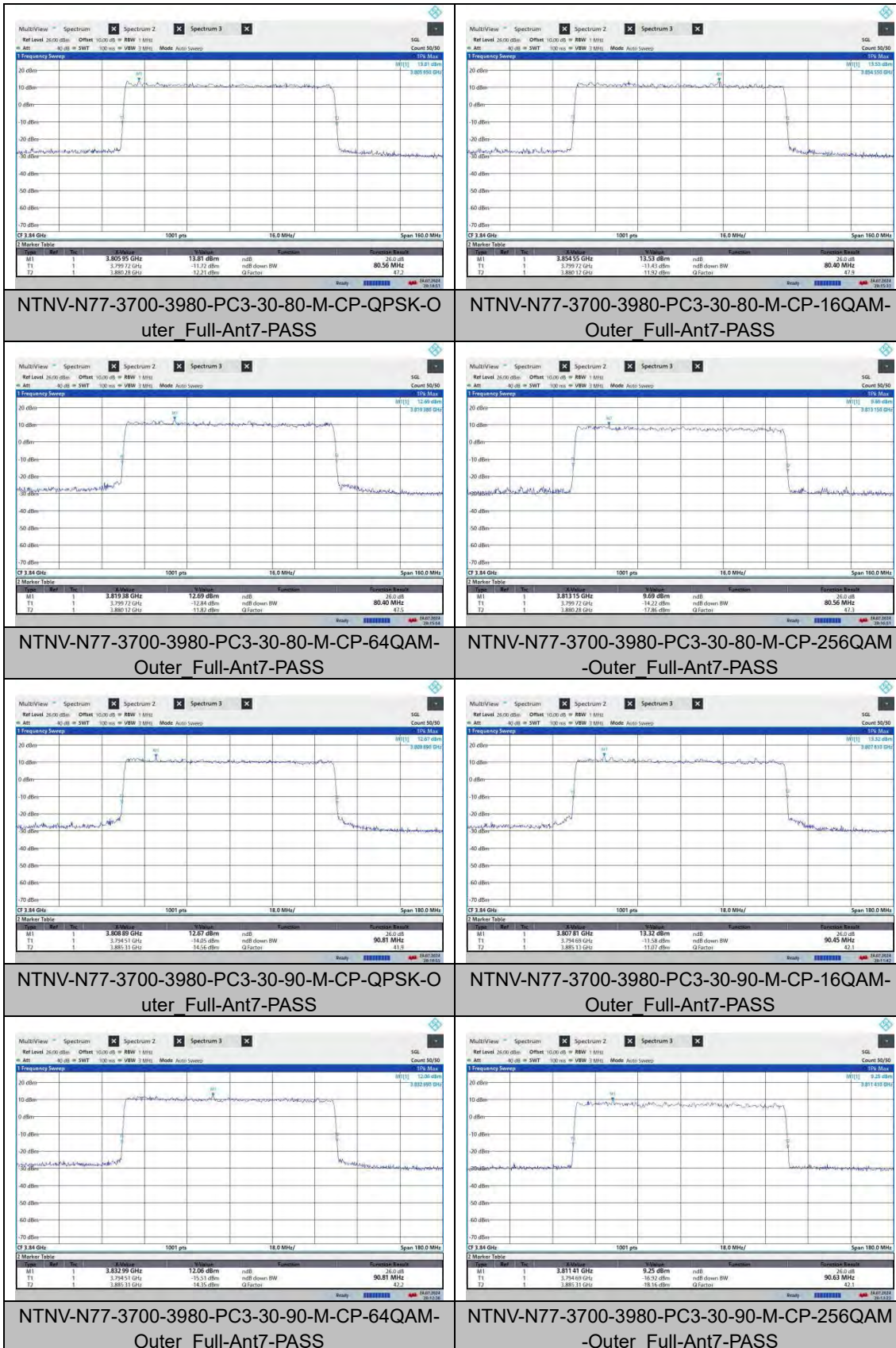
## 26DB BANDWIDTH

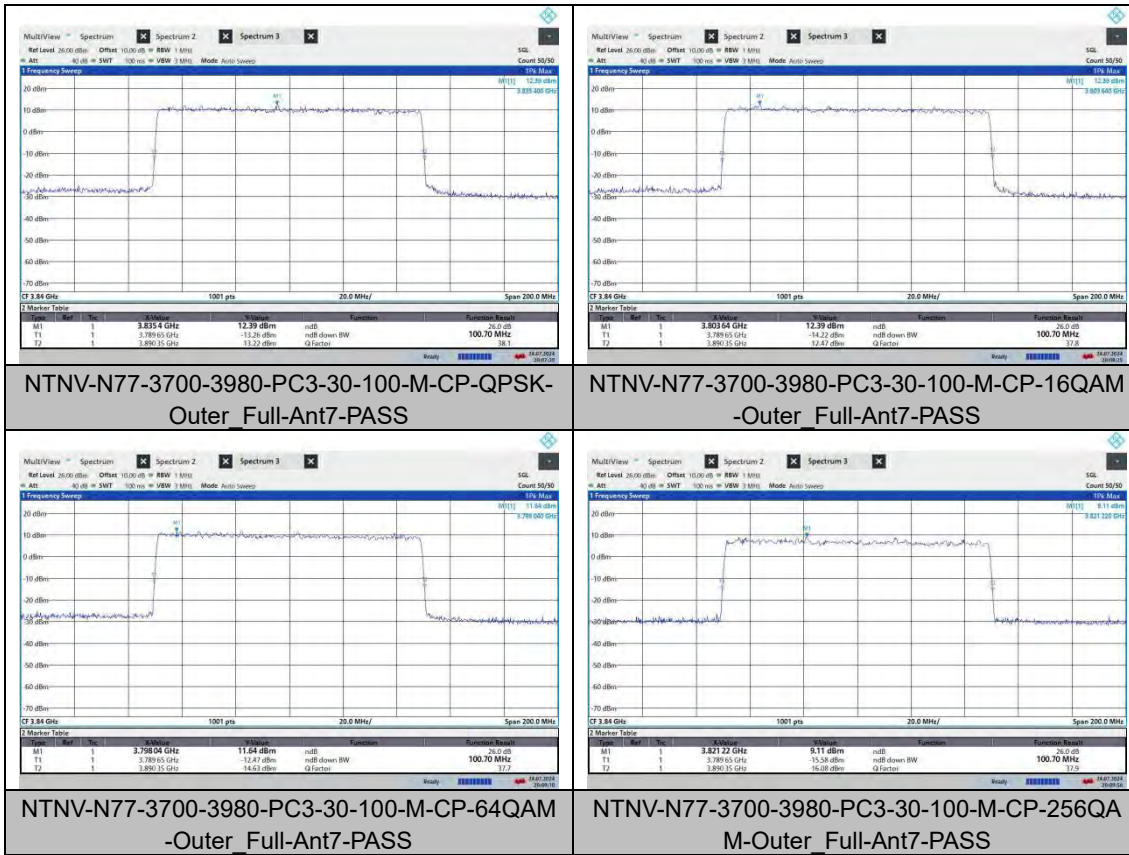






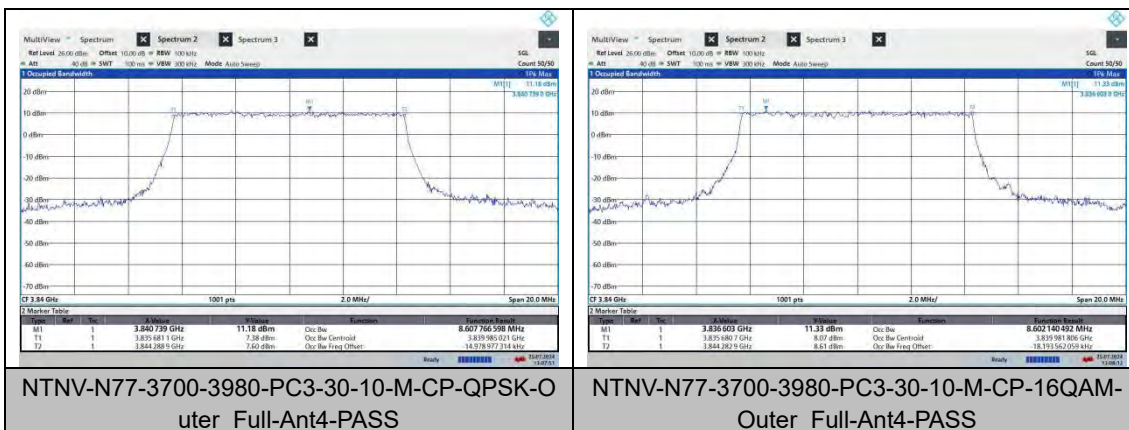


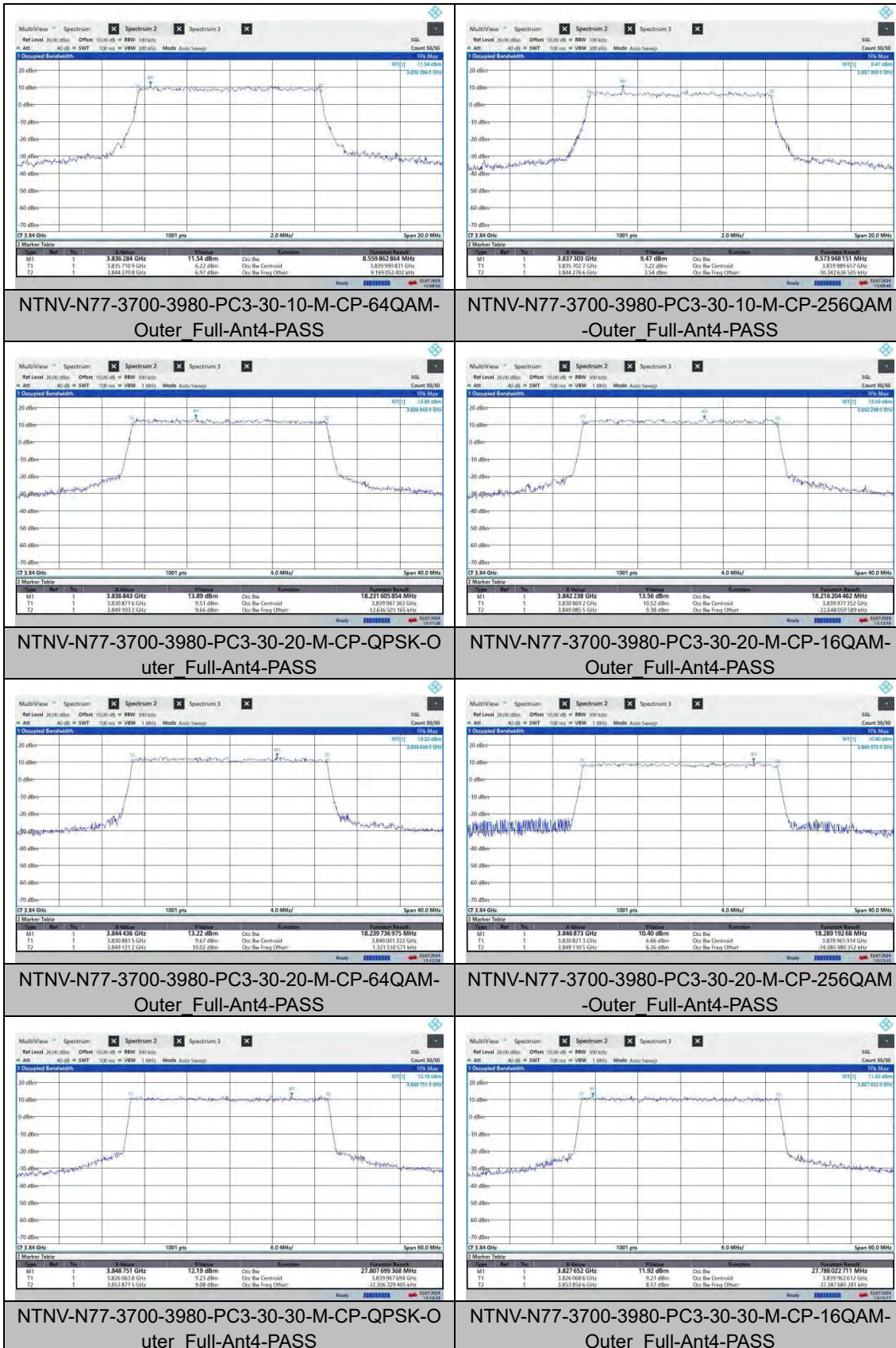


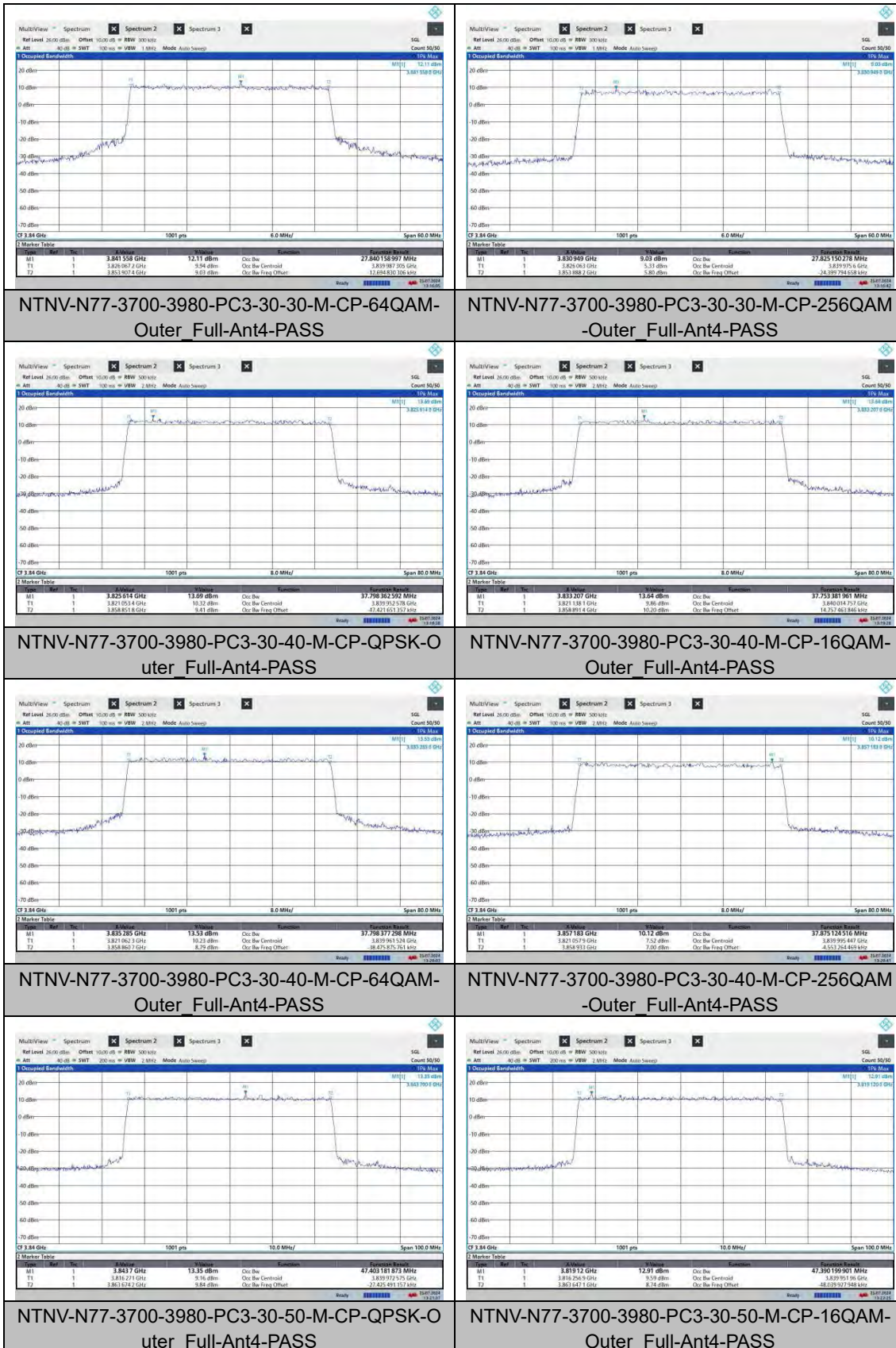


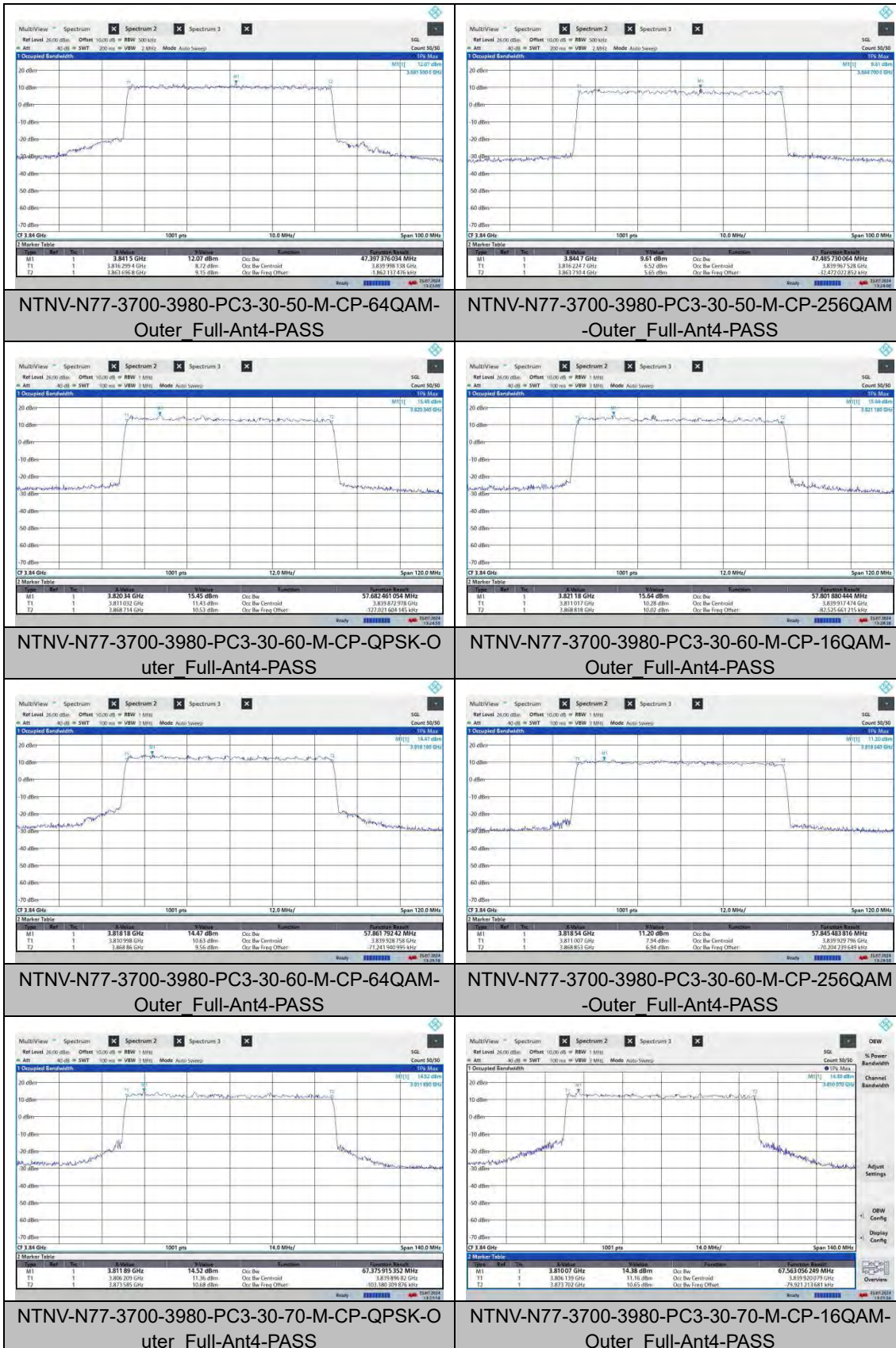
## TEST GRAPHS-ANT4

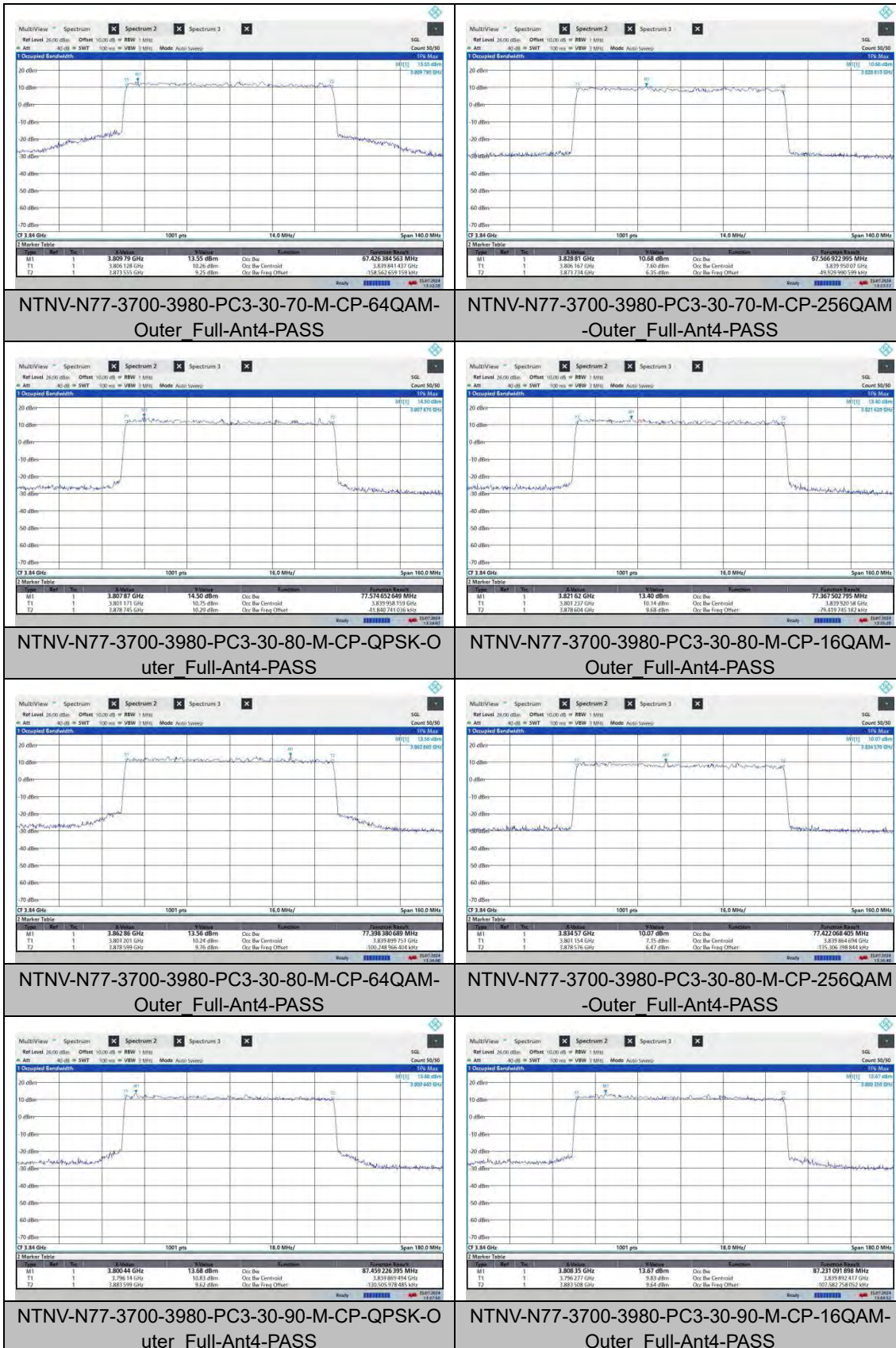
## OCCUPIED BANDWIDTH

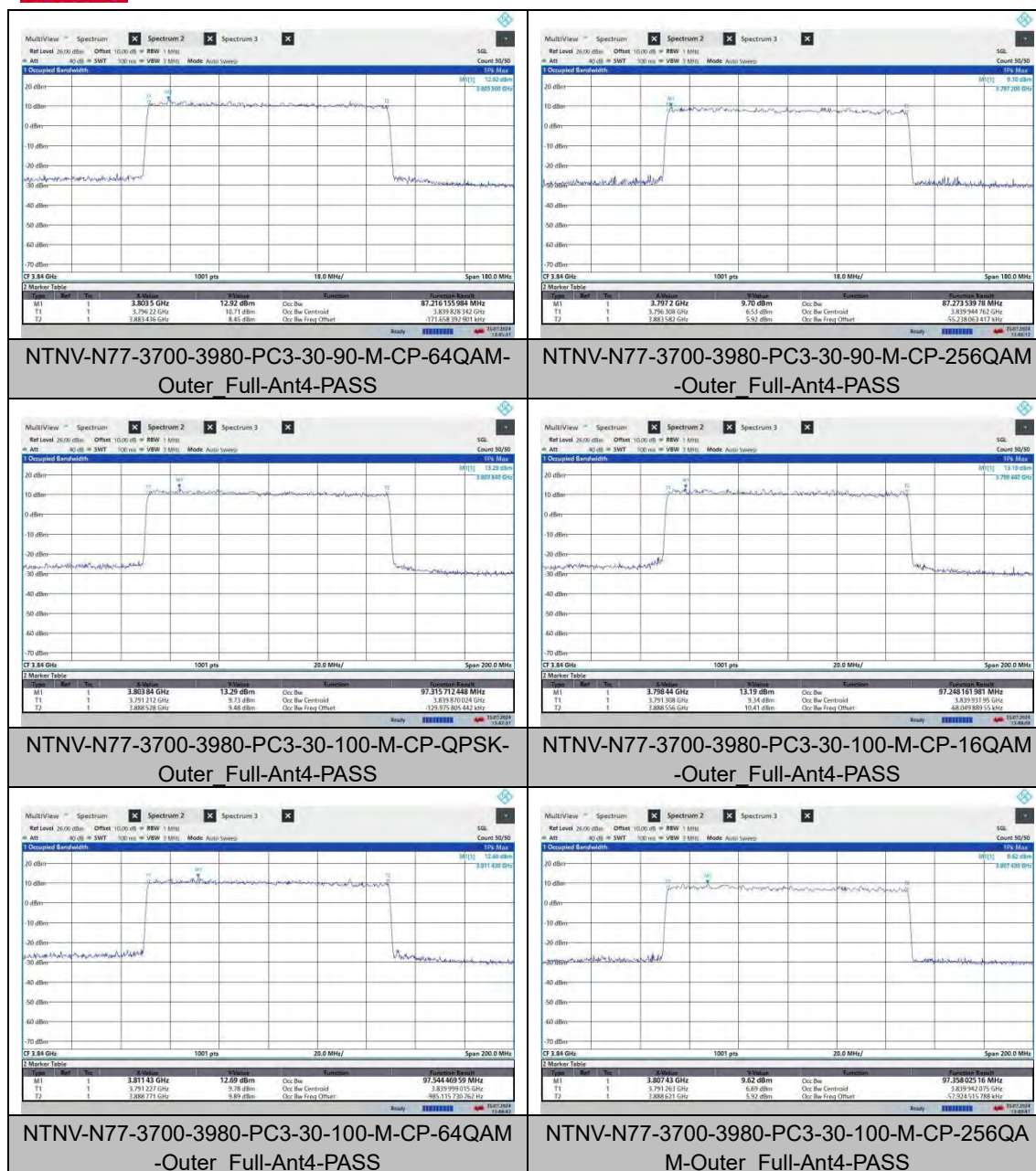




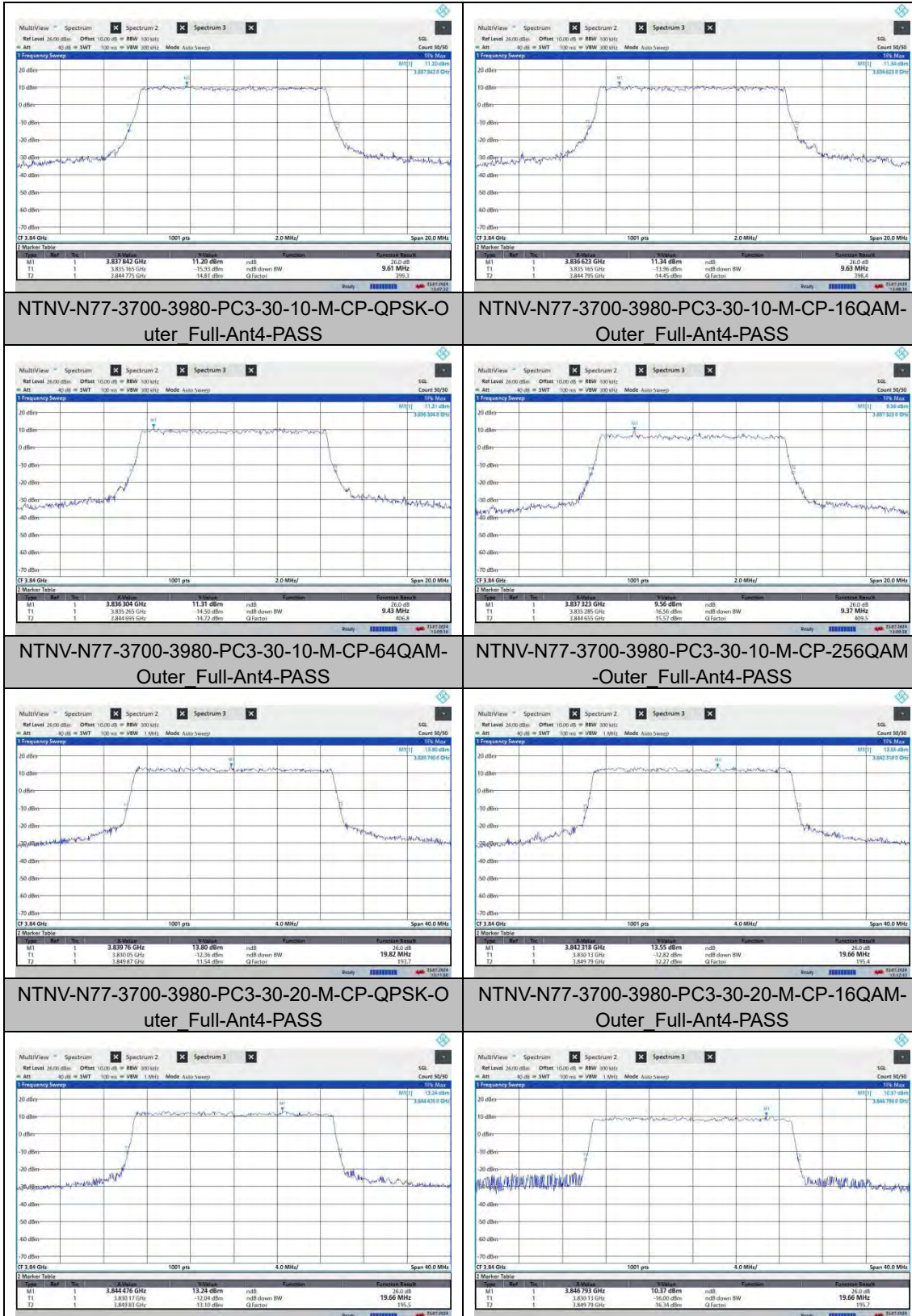


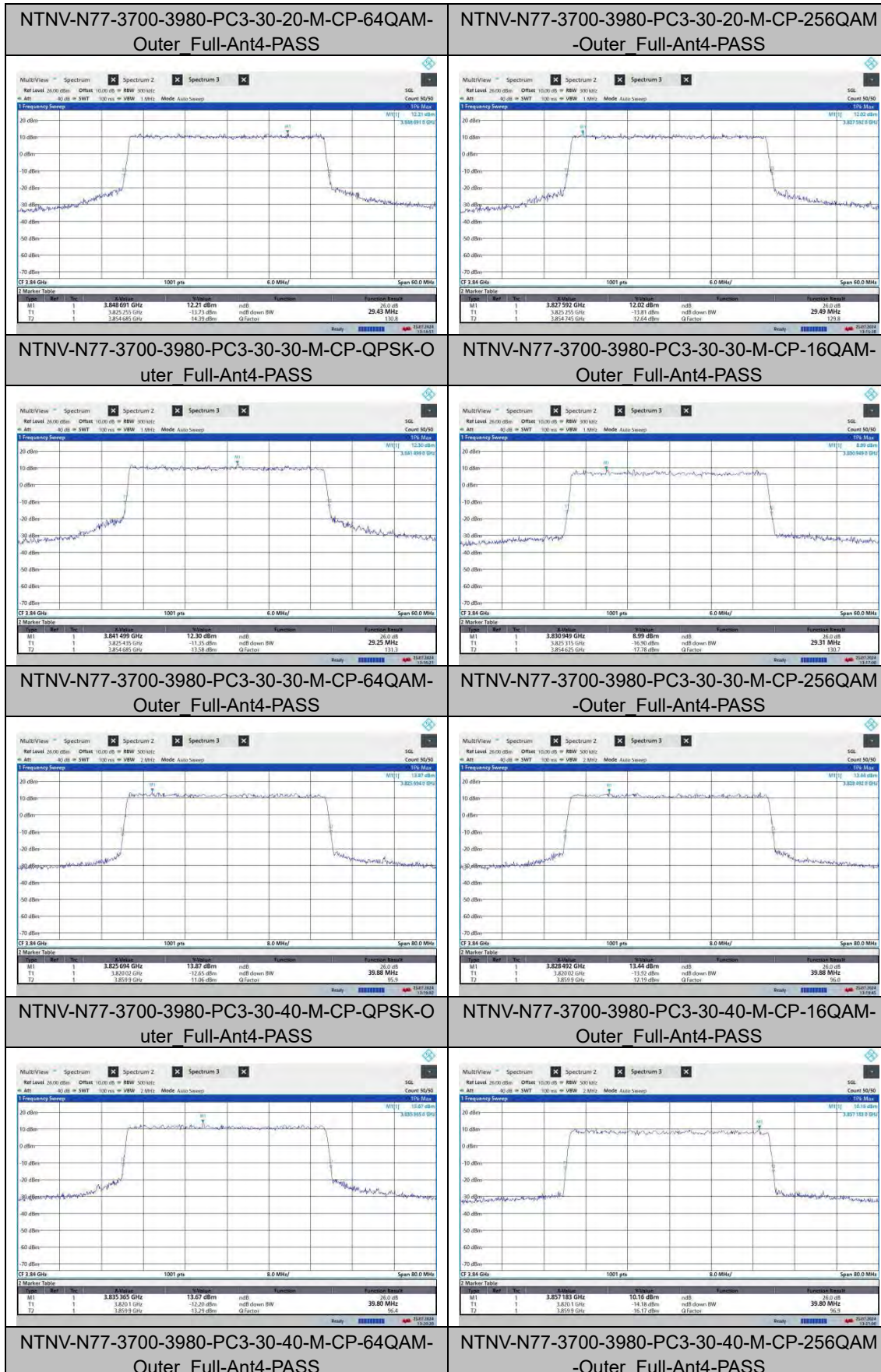


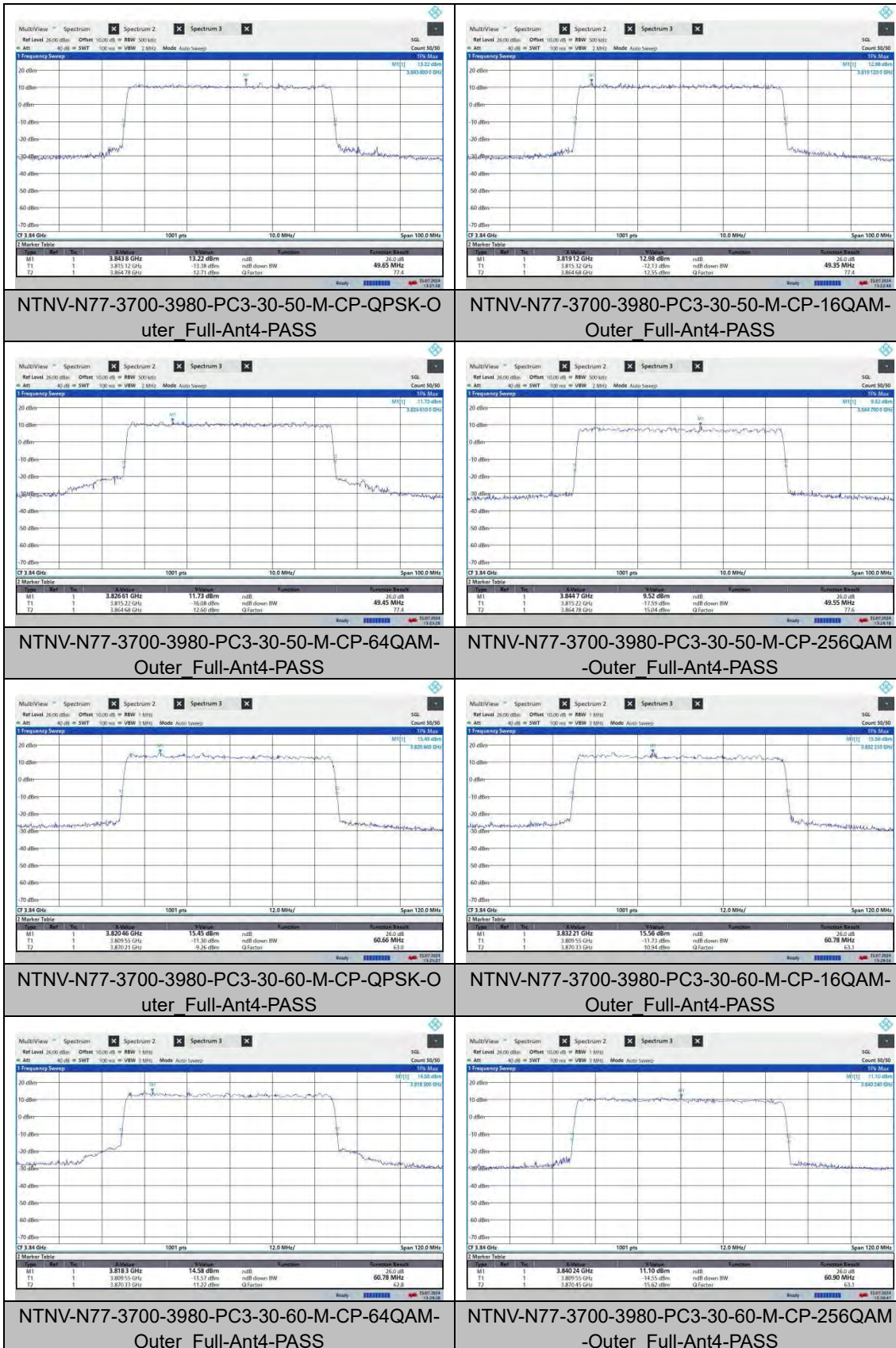


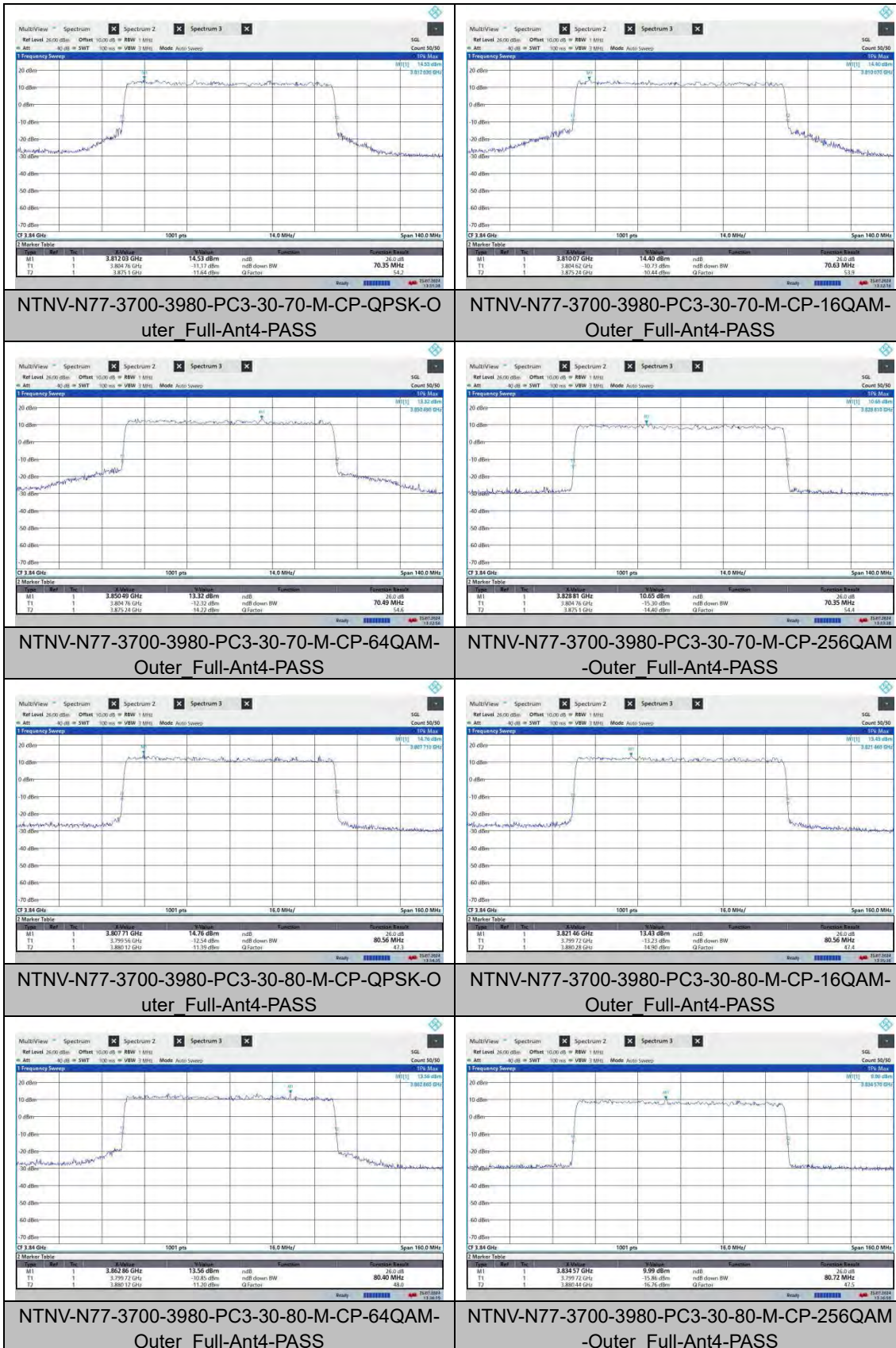


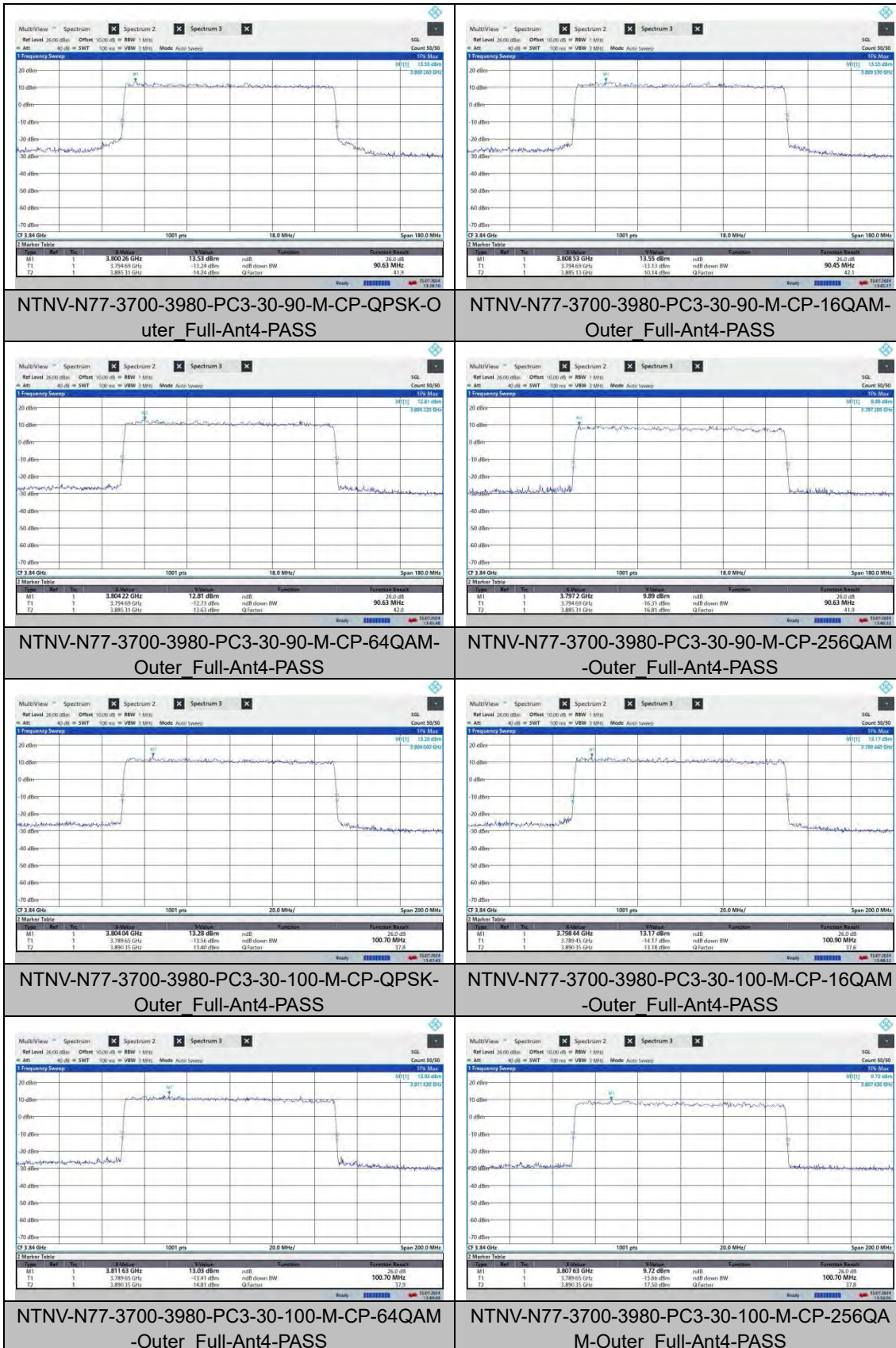
## 26DB BANDWIDTH











## BAND EDGE FOR MIMO TEST RESULT-ANT7

| Band              | SCS | Bandwidth | Modulation | Channel | RB Config          | Result    | Verdict |
|-------------------|-----|-----------|------------|---------|--------------------|-----------|---------|
| N77-3700-3<br>980 | 30  | 10        | CP-QPSK    | L       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 10        | CP-QPSK    | L       | Edge_1RB_<br>Left  | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 10        | CP-QPSK    | H       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 10        | CP-QPSK    | H       | Edge_1RB_<br>Right | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 50        | CP-QPSK    | L       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 50        | CP-QPSK    | L       | Edge_1RB_<br>Left  | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 50        | CP-QPSK    | H       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 50        | CP-QPSK    | H       | Edge_1RB_<br>Right | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 100       | CP-QPSK    | L       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 100       | CP-QPSK    | L       | Edge_1RB_<br>Left  | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 100       | CP-QPSK    | H       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 100       | CP-QPSK    | H       | Edge_1RB_<br>Right | See Graph | PASS    |

## TEST RESULT-ANT4

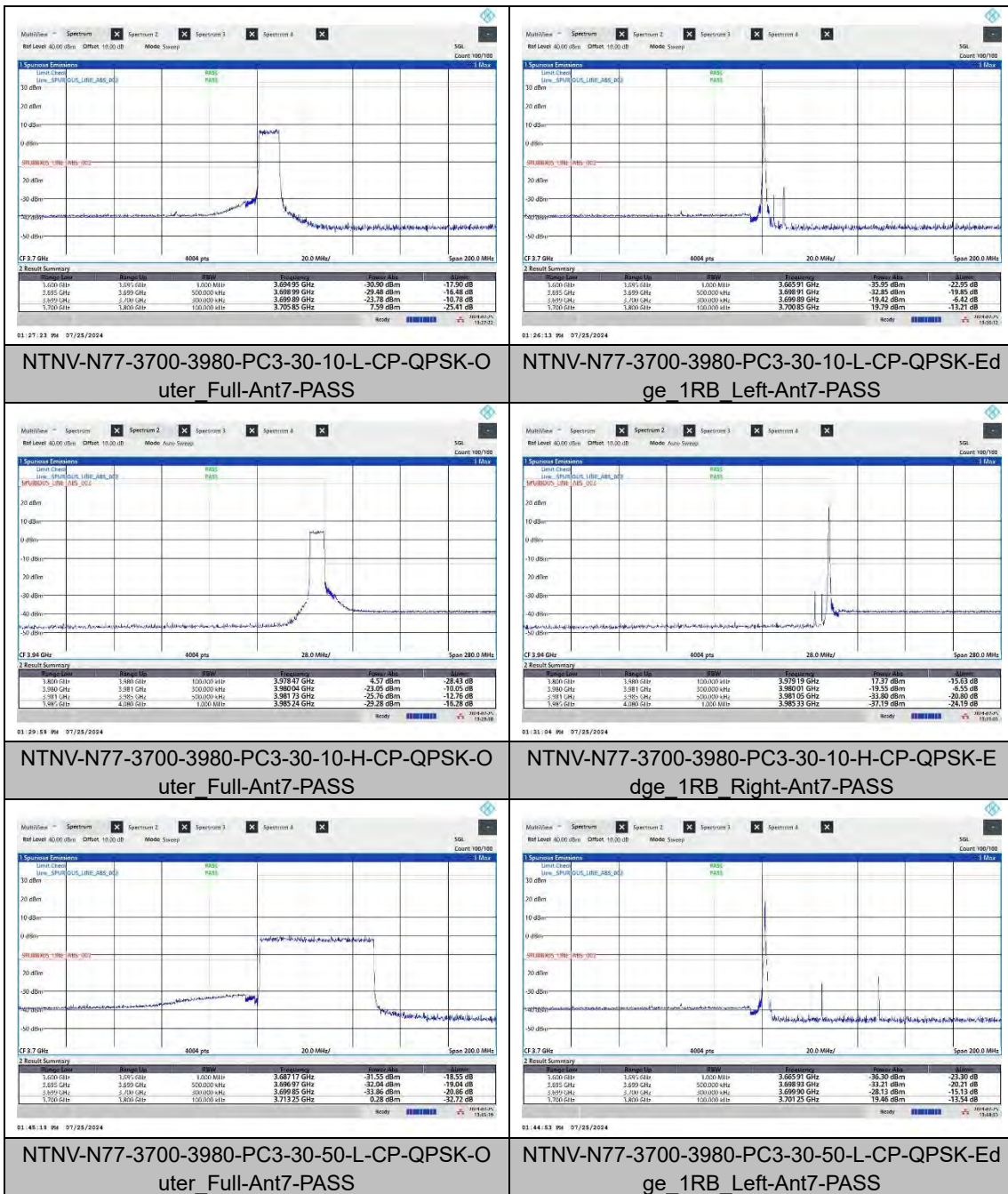
| Band              | SCS | Bandwidth | Modulation | Channel | RB Config          | Result    | Verdict |
|-------------------|-----|-----------|------------|---------|--------------------|-----------|---------|
| N77-3700-3<br>980 | 30  | 10        | CP-QPSK    | L       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 10        | CP-QPSK    | L       | Edge_1RB_<br>Left  | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 10        | CP-QPSK    | H       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 10        | CP-QPSK    | H       | Edge_1RB_<br>Right | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 50        | CP-QPSK    | L       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 50        | CP-QPSK    | L       | Edge_1RB_<br>Left  | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 50        | CP-QPSK    | H       | Outer_Full         | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 50        | CP-QPSK    | H       | Edge_1RB_<br>Right | See Graph | PASS    |
| N77-3700-3<br>980 | 30  | 100       | CP-QPSK    | L       | Outer_Full         | See Graph | PASS    |



Reference No.: W7L-P24050018RF11

|                   |    |     |         |   |                    |           |      |
|-------------------|----|-----|---------|---|--------------------|-----------|------|
| N77-3700-3<br>980 | 30 | 100 | CP-QPSK | L | Edge_1RB_<br>Left  | See Graph | PASS |
| N77-3700-3<br>980 | 30 | 100 | CP-QPSK | H | Outer_Full         | See Graph | PASS |
| N77-3700-3<br>980 | 30 | 100 | CP-QPSK | H | Edge_1RB_<br>Right | See Graph | PASS |

## TEST GRAPHS-ANT7



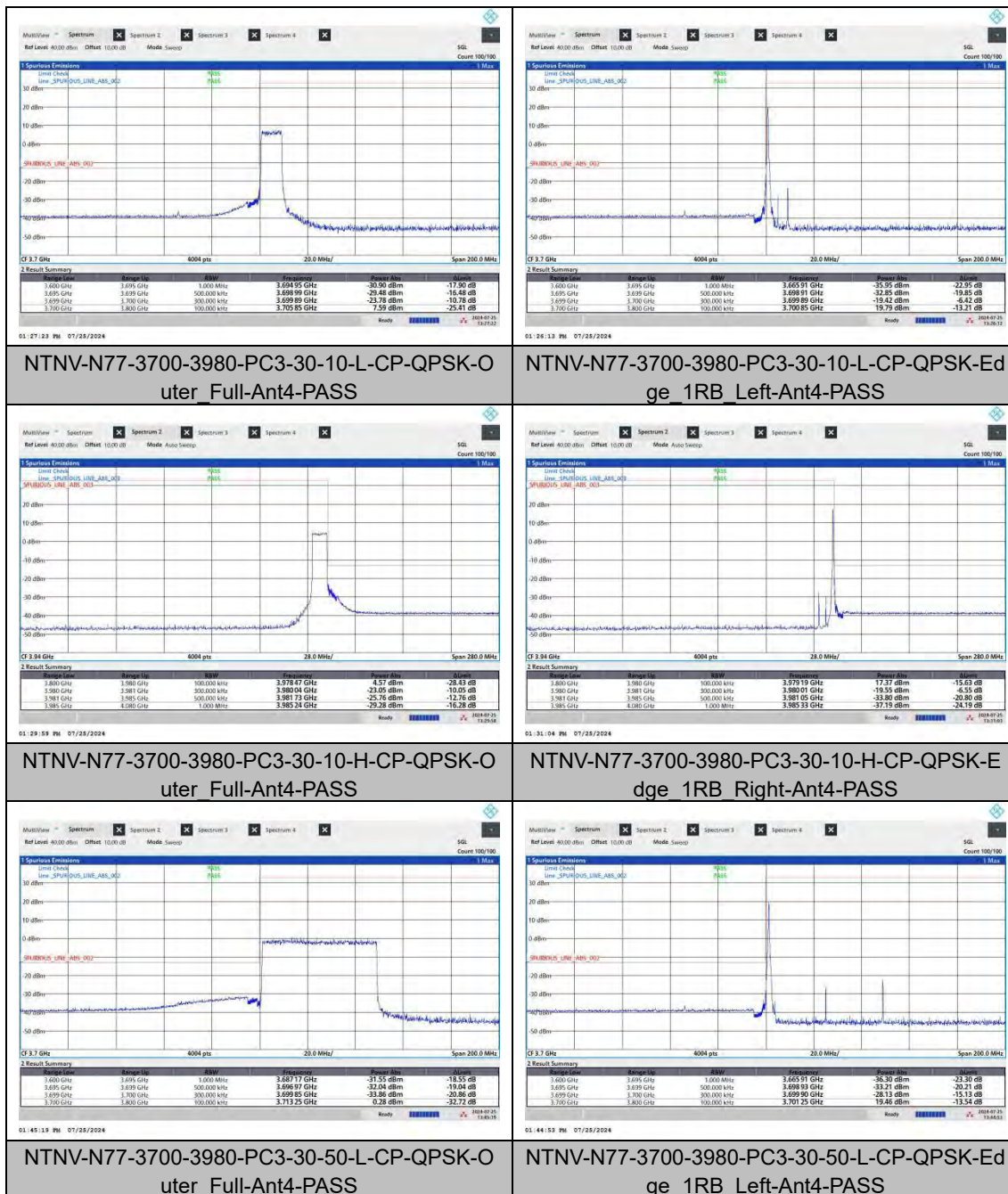


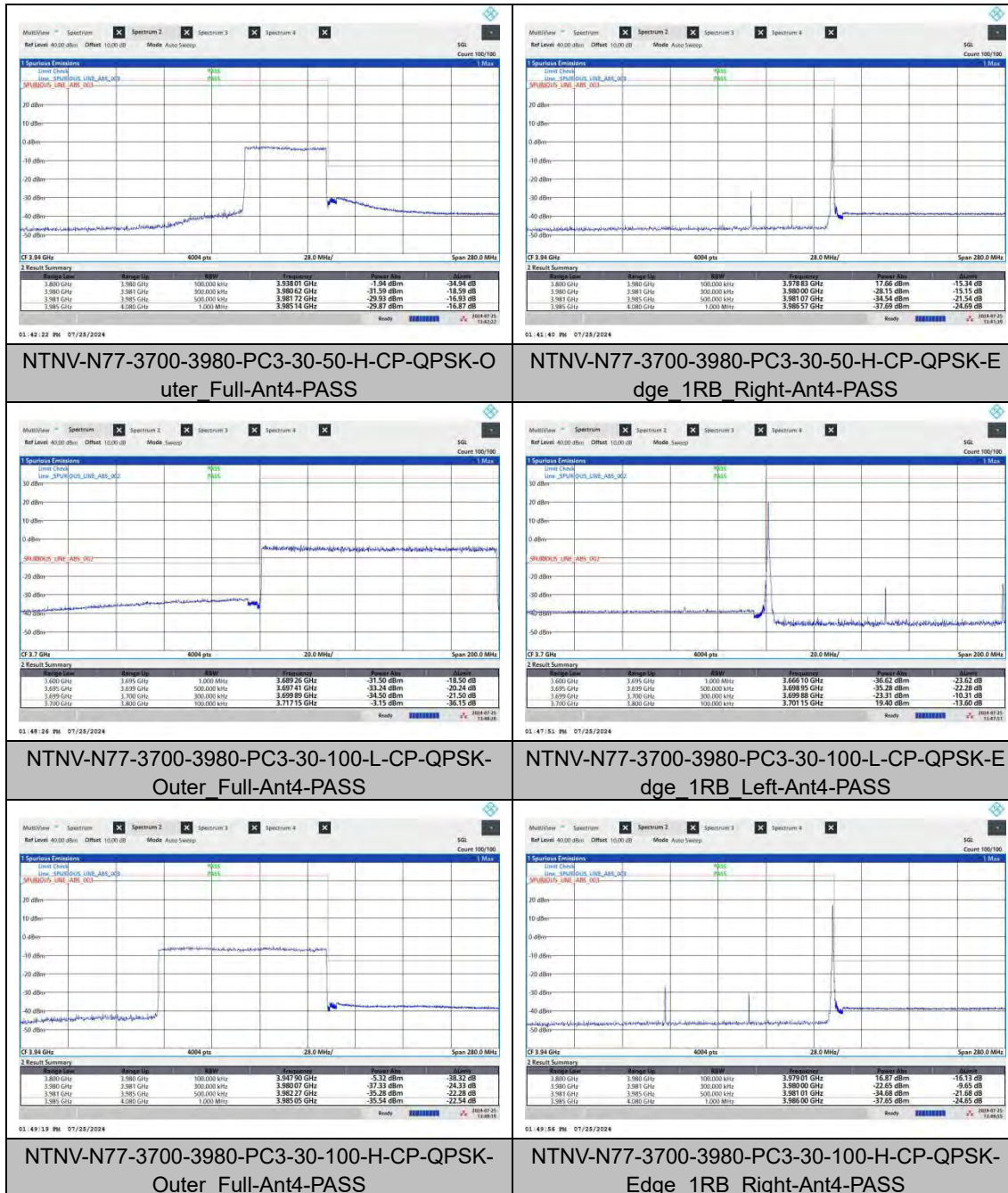


BUREAU  
VERITAS

Reference No.: W7L-P24050018RF11

## TEST GRAPHS-ANT4





## CONDUCTED SPURIOUS EMISSION FOR MIMO TEST RESULT-ANT7

| Band              | SCS | Bandwidth | Modulation | Channel | RB Config     | StartFreq | StopFreq | Result | Limit | Verdict |
|-------------------|-----|-----------|------------|---------|---------------|-----------|----------|--------|-------|---------|
| N77-3<br>700-3980 | 30  | 10        | CP-QPSK    | L       | Edge_1RB_Left | 30        | 40000    | -31.39 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 10        | CP-QPSK    | M       | Edge_1RB_Left | 30        | 40000    | -31.93 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 10        | CP-QPSK    | H       | Edge_1RB_Left | 30        | 40000    | -32.21 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 50        | CP-QPSK    | L       | Edge_1RB_Left | 30        | 40000    | -31.15 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 50        | CP-QPSK    | M       | Edge_1RB_Left | 30        | 40000    | -30.92 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 50        | CP-QPSK    | H       | Edge_1RB_Left | 30        | 40000    | -32.09 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 100       | CP-QPSK    | L       | Edge_1RB_Left | 30        | 40000    | -31.70 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 100       | CP-QPSK    | M       | Edge_1RB_Left | 30        | 40000    | -31.42 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 100       | CP-QPSK    | H       | Edge_1RB_Left | 30        | 40000    | -31.70 | -13   | PASS    |

## TEST RESULT-ANT4

| Band              | SCS | Bandwidth | Modulation | Channel | RB Config     | StartFreq | StopFreq | Result | Limit | Verdict |
|-------------------|-----|-----------|------------|---------|---------------|-----------|----------|--------|-------|---------|
| N77-3<br>700-3980 | 30  | 10        | CP-QPSK    | L       | Edge_1RB_Left | 30        | 40000    | -21.77 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 10        | CP-QPSK    | M       | Edge_1RB_Left | 30        | 40000    | -22.31 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 10        | CP-QPSK    | H       | Edge_1RB_Left | 30        | 40000    | -21.90 | -13   | PASS    |
| N77-3<br>700-3980 | 30  | 50        | CP-QPSK    | L       | Edge_1RB_Left | 30        | 40000    | -21.94 | -13   | PASS    |



BUREAU  
VERITAS

Reference No.: W7L-P24050018RF11

|                       |    |     |         |   |               |    |       |        |     |      |
|-----------------------|----|-----|---------|---|---------------|----|-------|--------|-----|------|
| N77-3<br>700-39<br>80 | 30 | 50  | CP-QPSK | M | Edge_1RB_Left | 30 | 40000 | -21.23 | -13 | PASS |
| N77-3<br>700-39<br>80 | 30 | 50  | CP-QPSK | H | Edge_1RB_Left | 30 | 40000 | -21.28 | -13 | PASS |
| N77-3<br>700-39<br>80 | 30 | 100 | CP-QPSK | L | Edge_1RB_Left | 30 | 40000 | -22.14 | -13 | PASS |
| N77-3<br>700-39<br>80 | 30 | 100 | CP-QPSK | M | Edge_1RB_Left | 30 | 40000 | -22.07 | -13 | PASS |
| N77-3<br>700-39<br>80 | 30 | 100 | CP-QPSK | H | Edge_1RB_Left | 30 | 40000 | -21.90 | -13 | PASS |