

## Effective (Isotropic) Radiated Power Output Data for MIMO

### Test Result

| Band          | SC S | Bandwidth | Modulation | Channel | RB Config      | Power Ant1 | Power Ant2 | Total Power | ERIP  | Limit (dBm) | Verdict |
|---------------|------|-----------|------------|---------|----------------|------------|------------|-------------|-------|-------------|---------|
| N77-3450-3550 | 30   | 20        | CP-QPSK    | L       | Outer_Full     | 18.7       | 18.23      | 21.48       | 23.09 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-QPSK    | L       | Inner_Full     | 21.71      | 21.3       | 24.52       | 26.13 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-QPSK    | L       | Edge_1RB_Left  | 18.98      | 18.71      | 21.86       | 23.47 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-QPSK    | L       | Edge_1RB_Right | 18.86      | 18.23      | 21.57       | 23.18 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-16QAM   | L       | Outer_Full     | 18.8       | 18.32      | 21.58       | 23.19 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-16QAM   | L       | Inner_Full     | 21.38      | 20.89      | 24.15       | 25.76 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-16QAM   | L       | Edge_1RB_Left  | 19         | 18.45      | 21.74       | 23.35 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-16QAM   | L       | Edge_1RB_Right | 19.11      | 18.01      | 21.61       | 23.22 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-64QAM   | L       | Outer_Full     | 18.9       | 18.33      | 21.63       | 23.24 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-64QAM   | L       | Inner_Full     | 19.76      | 19.19      | 22.49       | 24.10 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-64QAM   | L       | Edge_1RB_Left  | 18.19      | 17.55      | 20.89       | 22.50 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-64QAM   | L       | Edge_1RB_Right | 17.83      | 16.85      | 20.38       | 21.99 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-256QAM  | L       | Outer_Full     | 15.85      | 15.72      | 18.8        | 20.41 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-256QAM  | L       | Inner_Full     | 16.87      | 16.5       | 19.7        | 21.31 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-256QAM  | L       | Edge_1RB_Left  | 17.11      | 16.45      | 19.8        | 21.41 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-256QAM  | L       | Edge_1RB_Right | 16.67      | 16.35      | 19.52       | 21.13 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-QPSK    | M       | Outer_Full     | 18.76      | 18.19      | 21.49       | 23.10 | 30          | PASS    |
| N77-3450-3550 | 30   | 20        | CP-QPSK    | M       | Inner_Full     | 21.45      | 21.04      | 24.26       | 25.87 | 30          | PASS    |

|               |    |    |           |   |                |       |       |       |       |    |      |
|---------------|----|----|-----------|---|----------------|-------|-------|-------|-------|----|------|
| N77-3450-3550 | 30 | 20 | CP-QPSK   | M | Edge_1RB_Left  | 18.99 | 18.25 | 21.65 | 23.26 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-QPSK   | M | Edge_1RB_Right | 18.45 | 18.31 | 21.39 | 23.00 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-16QAM  | M | Outer_Full     | 18.53 | 18.18 | 21.37 | 22.98 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-16QAM  | M | Inner_Full     | 21.2  | 20.56 | 23.9  | 25.51 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-16QAM  | M | Edge_1RB_Left  | 18.43 | 18    | 21.23 | 22.84 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-16QAM  | M | Edge_1RB_Right | 18.77 | 18.14 | 21.48 | 23.09 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-64QAM  | M | Outer_Full     | 18.47 | 18.19 | 21.34 | 22.95 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-64QAM  | M | Inner_Full     | 19.48 | 18.94 | 22.23 | 23.84 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-64QAM  | M | Edge_1RB_Left  | 17.99 | 17.33 | 20.68 | 22.29 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-64QAM  | M | Edge_1RB_Right | 17.4  | 17.25 | 20.34 | 21.95 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-256QAM | M | Outer_Full     | 15.72 | 15.31 | 18.53 | 20.14 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-256QAM | M | Inner_Full     | 16.54 | 16.06 | 19.32 | 20.93 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-256QAM | M | Edge_1RB_Left  | 16.71 | 16.34 | 19.54 | 21.15 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-256QAM | M | Edge_1RB_Right | 16.61 | 16.28 | 19.46 | 21.07 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-QPSK   | H | Outer_Full     | 18.03 | 17.87 | 20.96 | 22.57 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-QPSK   | H | Inner_Full     | 20.92 | 20.69 | 23.82 | 25.43 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-QPSK   | H | Edge_1RB_Left  | 17.99 | 17.96 | 20.99 | 22.60 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-QPSK   | H | Edge_1RB_Right | 18.05 | 17.86 | 20.97 | 22.58 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-16QAM  | H | Outer_Full     | 17.87 | 17.89 | 20.89 | 22.50 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-16QAM  | H | Inner_Full     | 20.38 | 20.24 | 23.32 | 24.93 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-16QAM  | H | Edge_1RB_Left  | 17.88 | 17.89 | 20.9  | 22.51 | 30 | PASS |
| N77-3450-3550 | 30 | 20 | CP-16QAM  | H | Edge_1RB_Right | 17.67 | 18.05 | 20.87 | 22.4  | 30 | PASS |

|                   |    |    |               |   |                    |       |       |       |           |    |      |
|-------------------|----|----|---------------|---|--------------------|-------|-------|-------|-----------|----|------|
| 0                 |    |    |               |   | t                  |       |       |       | 8         |    |      |
| N77-3450-355<br>0 | 30 | 20 | CP-64QAM      | H | Outer_Full         | 17.96 | 17.72 | 20.85 | 22.4<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 20 | CP-64QAM      | H | Inner_Full         | 18.86 | 18.8  | 21.84 | 23.4<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 20 | CP-64QAM      | H | Edge_1RB_Left      | 17.4  | 16.68 | 20.07 | 21.6<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 20 | CP-64QAM      | H | Edge_1RB_Righ<br>t | 16.84 | 16.92 | 19.89 | 21.5<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 20 | CP-256QA<br>M | H | Outer_Full         | 14.98 | 15.06 | 18.03 | 19.6<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 20 | CP-256QA<br>M | H | Inner_Full         | 15.8  | 15.74 | 18.78 | 20.3<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 20 | CP-256QA<br>M | H | Edge_1RB_Left      | 16.25 | 15.64 | 18.97 | 20.5<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 20 | CP-256QA<br>M | H | Edge_1RB_Righ<br>t | 15.79 | 16.31 | 19.07 | 20.6<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-QPSK       | L | Outer_Full         | 18.8  | 18.22 | 21.53 | 23.1<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-QPSK       | L | Inner_Full         | 21.68 | 21.1  | 24.41 | 26.0<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-QPSK       | L | Edge_1RB_Left      | 18.67 | 18.75 | 21.72 | 23.3<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-QPSK       | L | Edge_1RB_Righ<br>t | 19.07 | 18.6  | 21.85 | 23.4<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-16QAM      | L | Outer_Full         | 18.8  | 18.3  | 21.57 | 23.1<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-16QAM      | L | Inner_Full         | 21.34 | 20.7  | 24.04 | 25.6<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-16QAM      | L | Edge_1RB_Left      | 18.69 | 18.7  | 21.71 | 23.3<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-16QAM      | L | Edge_1RB_Righ<br>t | 19.04 | 18.69 | 21.88 | 23.4<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-64QAM      | L | Outer_Full         | 18.72 | 18.22 | 21.49 | 23.1<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-64QAM      | L | Inner_Full         | 19.65 | 19.34 | 22.51 | 24.1<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-64QAM      | L | Edge_1RB_Left      | 17.92 | 17.68 | 20.81 | 22.4<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-64QAM      | L | Edge_1RB_Righ<br>t | 18.08 | 17.39 | 20.76 | 22.3<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-256QA<br>M | L | Outer_Full         | 15.72 | 15.5  | 18.62 | 20.2<br>3 | 30 | PASS |

|               |    |    |           |   |                |       |       |       |       |    |      |
|---------------|----|----|-----------|---|----------------|-------|-------|-------|-------|----|------|
| N77-3450-3550 | 30 | 30 | CP-256QAM | L | Inner_Full     | 16.86 | 16.13 | 19.52 | 21.13 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-256QAM | L | Edge_1RB_Left  | 16.93 | 17.1  | 20.03 | 21.64 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-256QAM | L | Edge_1RB_Right | 17.24 | 16.47 | 19.88 | 21.49 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-QPSK   | M | Outer_Full     | 18.59 | 18.12 | 21.37 | 22.98 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-QPSK   | M | Inner_Full     | 21.67 | 21.03 | 24.37 | 25.98 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-QPSK   | M | Edge_1RB_Left  | 18.69 | 18.15 | 21.44 | 23.05 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-QPSK   | M | Edge_1RB_Right | 18.43 | 18.02 | 21.24 | 22.85 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-16QAM  | M | Outer_Full     | 18.65 | 18.16 | 21.42 | 23.03 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-16QAM  | M | Inner_Full     | 21.05 | 20.54 | 23.81 | 25.42 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-16QAM  | M | Edge_1RB_Left  | 18.96 | 18.17 | 21.59 | 23.20 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-16QAM  | M | Edge_1RB_Right | 18.81 | 17.5  | 21.21 | 22.82 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-64QAM  | M | Outer_Full     | 18.79 | 18.1  | 21.47 | 23.08 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-64QAM  | M | Inner_Full     | 19.67 | 19.17 | 22.44 | 24.05 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-64QAM  | M | Edge_1RB_Left  | 18.09 | 17.36 | 20.75 | 22.36 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-64QAM  | M | Edge_1RB_Right | 17.65 | 17.07 | 20.38 | 21.99 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-256QAM | M | Outer_Full     | 15.81 | 15.23 | 18.54 | 20.15 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-256QAM | M | Inner_Full     | 16.71 | 16.02 | 19.39 | 21.00 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-256QAM | M | Edge_1RB_Left  | 16.6  | 15.97 | 19.31 | 20.92 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-256QAM | M | Edge_1RB_Right | 16.65 | 15.89 | 19.3  | 20.91 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-QPSK   | H | Outer_Full     | 18.15 | 17.89 | 21.03 | 22.64 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-QPSK   | H | Inner_Full     | 21.02 | 20.86 | 23.95 | 25.56 | 30 | PASS |
| N77-3450-3550 | 30 | 30 | CP-QPSK   | H | Edge_1RB_Left  | 18.21 | 18.01 | 21.12 | 22.7  | 30 | PASS |

|                   |    |    |               |   |                    |       |       |       |           |    |      |
|-------------------|----|----|---------------|---|--------------------|-------|-------|-------|-----------|----|------|
| 0                 |    |    |               |   |                    |       |       |       | 3         |    |      |
| N77-3450-355<br>0 | 30 | 30 | CP-QPSK       | H | Edge_1RB_Righ<br>t | 17.88 | 18.15 | 21.03 | 22.6<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-16QAM      | H | Outer_Full         | 18.01 | 17.85 | 20.94 | 22.5<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-16QAM      | H | Inner_Full         | 20.52 | 20.17 | 23.36 | 24.9<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-16QAM      | H | Edge_1RB_Left      | 18.5  | 17.94 | 21.24 | 22.8<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-16QAM      | H | Edge_1RB_Righ<br>t | 18.07 | 18.18 | 21.14 | 22.7<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-64QAM      | H | Outer_Full         | 18.01 | 17.82 | 20.93 | 22.5<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-64QAM      | H | Inner_Full         | 19.01 | 18.87 | 21.95 | 23.5<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-64QAM      | H | Edge_1RB_Left      | 17.22 | 16.44 | 19.86 | 21.4<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-64QAM      | H | Edge_1RB_Righ<br>t | 16.93 | 17.33 | 20.14 | 21.7<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-256QA<br>M | H | Outer_Full         | 15.21 | 15.12 | 18.18 | 19.7<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-256QA<br>M | H | Inner_Full         | 16.14 | 15.88 | 19.02 | 20.6<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-256QA<br>M | H | Edge_1RB_Left      | 16.18 | 15.85 | 19.03 | 20.6<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 30 | CP-256QA<br>M | H | Edge_1RB_Righ<br>t | 16.19 | 16.28 | 19.25 | 20.8<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-QPSK       | L | Outer_Full         | 19    | 18.41 | 21.73 | 23.3<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-QPSK       | L | Inner_Full         | 21.8  | 21.42 | 24.62 | 26.2<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-QPSK       | L | Edge_1RB_Left      | 18.79 | 18.59 | 21.7  | 23.3<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-QPSK       | L | Edge_1RB_Righ<br>t | 18.85 | 18.54 | 21.71 | 23.3<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-16QAM      | L | Outer_Full         | 18.89 | 18.37 | 21.65 | 23.2<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-16QAM      | L | Inner_Full         | 21.35 | 20.67 | 24.03 | 25.6<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-16QAM      | L | Edge_1RB_Left      | 18.62 | 18.36 | 21.5  | 23.1<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-16QAM      | L | Edge_1RB_Righ<br>t | 18.89 | 18.09 | 21.52 | 23.1<br>3 | 30 | PASS |

|               |    |    |           |   |                |       |       |       |       |    |      |
|---------------|----|----|-----------|---|----------------|-------|-------|-------|-------|----|------|
| N77-3450-3550 | 30 | 40 | CP-64QAM  | L | Outer_Full     | 18.75 | 18.28 | 21.53 | 23.14 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-64QAM  | L | Inner_Full     | 19.65 | 19.18 | 22.43 | 24.04 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-64QAM  | L | Edge_1RB_Left  | 17.74 | 17.64 | 20.7  | 22.31 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-64QAM  | L | Edge_1RB_Right | 17.99 | 17.03 | 20.55 | 22.16 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-256QAM | L | Outer_Full     | 16.07 | 15.56 | 18.83 | 20.44 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-256QAM | L | Inner_Full     | 16.91 | 16.11 | 19.54 | 21.15 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-256QAM | L | Edge_1RB_Left  | 16.67 | 16.61 | 19.65 | 21.26 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-256QAM | L | Edge_1RB_Right | 16.91 | 16.71 | 19.82 | 21.43 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-QPSK   | M | Outer_Full     | 18.63 | 18.3  | 21.48 | 23.09 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-QPSK   | M | Inner_Full     | 21.66 | 21.16 | 24.43 | 26.04 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-QPSK   | M | Edge_1RB_Left  | 19.26 | 18.48 | 21.9  | 23.51 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-QPSK   | M | Edge_1RB_Right | 18.88 | 18.45 | 21.68 | 23.29 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-16QAM  | M | Outer_Full     | 18.68 | 18.04 | 21.38 | 22.99 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-16QAM  | M | Inner_Full     | 21.25 | 20.72 | 24    | 25.61 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-16QAM  | M | Edge_1RB_Left  | 19.08 | 18.34 | 21.74 | 23.35 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-16QAM  | M | Edge_1RB_Right | 18.9  | 18.3  | 21.62 | 23.23 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-64QAM  | M | Outer_Full     | 18.72 | 18.18 | 21.47 | 23.08 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-64QAM  | M | Inner_Full     | 19.92 | 19.31 | 22.64 | 24.25 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-64QAM  | M | Edge_1RB_Left  | 17.97 | 17.53 | 20.77 | 22.38 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-64QAM  | M | Edge_1RB_Right | 17.77 | 17.36 | 20.58 | 22.19 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-256QAM | M | Outer_Full     | 16.03 | 15.42 | 18.75 | 20.36 | 30 | PASS |
| N77-3450-3550 | 30 | 40 | CP-256QAM | M | Inner_Full     | 16.74 | 16.22 | 19.5  | 21.1  | 30 | PASS |

|                   |    |    |               |   |                    |       |       |       |           |    |      |
|-------------------|----|----|---------------|---|--------------------|-------|-------|-------|-----------|----|------|
| 0                 |    |    | M             |   |                    |       |       |       | 1         |    |      |
| N77-3450-355<br>0 | 30 | 40 | CP-256QA<br>M | M | Edge_1RB_Left      | 17.34 | 16.48 | 19.94 | 21.5<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-256QA<br>M | M | Edge_1RB_Righ<br>t | 16.78 | 16.43 | 19.62 | 21.2<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-QPSK       | H | Outer_Full         | 18.25 | 18.09 | 21.18 | 22.7<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-QPSK       | H | Inner_Full         | 21.24 | 20.96 | 24.11 | 25.7<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-QPSK       | H | Edge_1RB_Left      | 18.67 | 18.17 | 21.44 | 23.0<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-QPSK       | H | Edge_1RB_Righ<br>t | 18.09 | 18.4  | 21.26 | 22.8<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-16QAM      | H | Outer_Full         | 18.25 | 17.9  | 21.09 | 22.7<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-16QAM      | H | Inner_Full         | 20.82 | 20.32 | 23.59 | 25.2<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-16QAM      | H | Edge_1RB_Left      | 18.8  | 18.48 | 21.65 | 23.2<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-16QAM      | H | Edge_1RB_Righ<br>t | 18.13 | 18.47 | 21.31 | 22.9<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-64QAM      | H | Outer_Full         | 18.34 | 18.06 | 21.21 | 22.8<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-64QAM      | H | Inner_Full         | 19.38 | 19    | 22.2  | 23.8<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-64QAM      | H | Edge_1RB_Left      | 17.81 | 17.23 | 20.54 | 22.1<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-64QAM      | H | Edge_1RB_Righ<br>t | 17.37 | 17.24 | 20.32 | 21.9<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-256QA<br>M | H | Outer_Full         | 15.35 | 15.23 | 18.3  | 19.9<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-256QA<br>M | H | Inner_Full         | 16.23 | 15.95 | 19.1  | 20.7<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-256QA<br>M | H | Edge_1RB_Left      | 17.33 | 16.43 | 19.91 | 21.5<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 40 | CP-256QA<br>M | H | Edge_1RB_Righ<br>t | 16.57 | 16.15 | 19.38 | 20.9<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-QPSK       | L | Outer_Full         | 18.75 | 18.04 | 21.42 | 23.0<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-QPSK       | L | Inner_Full         | 21.61 | 21.15 | 24.4  | 26.0<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-QPSK       | L | Edge_1RB_Left      | 18.66 | 18.42 | 21.55 | 23.1<br>6 | 30 | PASS |

|               |    |    |           |   |                |       |       |       |       |    |      |
|---------------|----|----|-----------|---|----------------|-------|-------|-------|-------|----|------|
| N77-3450-3550 | 30 | 50 | CP-QPSK   | L | Edge_1RB_Right | 18.81 | 18.28 | 21.56 | 23.17 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-16QAM  | L | Outer_Full     | 18.65 | 18.24 | 21.46 | 23.07 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-16QAM  | L | Inner_Full     | 21.25 | 20.69 | 23.99 | 25.60 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-16QAM  | L | Edge_1RB_Left  | 18.81 | 18.3  | 21.57 | 23.18 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-16QAM  | L | Edge_1RB_Right | 18.21 | 17.95 | 21.09 | 22.70 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-64QAM  | L | Outer_Full     | 18.66 | 18.02 | 21.36 | 22.97 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-64QAM  | L | Inner_Full     | 19.74 | 19.26 | 22.52 | 24.13 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-64QAM  | L | Edge_1RB_Left  | 17.73 | 17.24 | 20.5  | 22.11 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-64QAM  | L | Edge_1RB_Right | 17.72 | 17.21 | 20.48 | 22.09 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-256QAM | L | Outer_Full     | 15.7  | 15.41 | 18.57 | 20.18 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-256QAM | L | Inner_Full     | 16.73 | 16.1  | 19.44 | 21.05 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-256QAM | L | Edge_1RB_Left  | 16.8  | 16.55 | 19.69 | 21.30 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-256QAM | L | Edge_1RB_Right | 16.86 | 16.22 | 19.56 | 21.17 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-QPSK   | M | Outer_Full     | 18.59 | 17.96 | 21.3  | 22.91 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-QPSK   | M | Inner_Full     | 21.59 | 21    | 24.32 | 25.93 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-QPSK   | M | Edge_1RB_Left  | 18.75 | 18.15 | 21.47 | 23.08 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-QPSK   | M | Edge_1RB_Right | 18.34 | 17.99 | 21.18 | 22.79 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-16QAM  | M | Outer_Full     | 18.75 | 18.16 | 21.48 | 23.09 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-16QAM  | M | Inner_Full     | 20.99 | 20.48 | 23.75 | 25.36 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-16QAM  | M | Edge_1RB_Left  | 18.89 | 18.25 | 21.59 | 23.20 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-16QAM  | M | Edge_1RB_Right | 18.56 | 18.07 | 21.33 | 22.94 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-64QAM  | M | Outer_Full     | 18.51 | 18.13 | 21.33 | 22.9  | 30 | PASS |

|                   |    |    |               |   |                    |       |       |       |           |    |      |
|-------------------|----|----|---------------|---|--------------------|-------|-------|-------|-----------|----|------|
| 0                 |    |    |               |   |                    |       |       |       | 4         |    |      |
| N77-3450-355<br>0 | 30 | 50 | CP-64QAM      | M | Inner_Full         | 19.57 | 19.18 | 22.39 | 24.0<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-64QAM      | M | Edge_1RB_Left      | 17.72 | 17.05 | 20.41 | 22.0<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-64QAM      | M | Edge_1RB_Righ<br>t | 17.37 | 17.23 | 20.31 | 21.9<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-256QA<br>M | M | Outer_Full         | 15.64 | 15.42 | 18.54 | 20.1<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-256QA<br>M | M | Inner_Full         | 16.57 | 16.03 | 19.32 | 20.9<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-256QA<br>M | M | Edge_1RB_Left      | 16.6  | 16.18 | 19.41 | 21.0<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-256QA<br>M | M | Edge_1RB_Righ<br>t | 16.49 | 16.03 | 19.28 | 20.8<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-QPSK       | H | Outer_Full         | 18.06 | 18.01 | 21.05 | 22.6<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-QPSK       | H | Inner_Full         | 21.11 | 20.89 | 24.01 | 25.6<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-QPSK       | H | Edge_1RB_Left      | 18.62 | 18.38 | 21.51 | 23.1<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-QPSK       | H | Edge_1RB_Righ<br>t | 17.88 | 18.14 | 21.02 | 22.6<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-16QAM      | H | Outer_Full         | 18.25 | 18.02 | 21.15 | 22.7<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-16QAM      | H | Inner_Full         | 20.7  | 20.41 | 23.57 | 25.1<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-16QAM      | H | Edge_1RB_Left      | 18.36 | 18.14 | 21.26 | 22.8<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-16QAM      | H | Edge_1RB_Righ<br>t | 17.63 | 17.97 | 20.81 | 22.4<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-64QAM      | H | Outer_Full         | 18.18 | 17.99 | 21.1  | 22.7<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-64QAM      | H | Inner_Full         | 19.24 | 18.84 | 22.05 | 23.6<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-64QAM      | H | Edge_1RB_Left      | 17.47 | 17.02 | 20.26 | 21.8<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-64QAM      | H | Edge_1RB_Righ<br>t | 16.76 | 16.73 | 19.76 | 21.3<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-256QA<br>M | H | Outer_Full         | 15.12 | 15.24 | 18.19 | 19.8<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 50 | CP-256QA<br>M | H | Inner_Full         | 16.22 | 15.95 | 19.1  | 20.7<br>1 | 30 | PASS |

|               |    |    |           |   |                |       |       |       |       |    |      |
|---------------|----|----|-----------|---|----------------|-------|-------|-------|-------|----|------|
| N77-3450-3550 | 30 | 50 | CP-256QAM | H | Edge_1RB_Left  | 16.58 | 15.85 | 19.24 | 20.85 | 30 | PASS |
| N77-3450-3550 | 30 | 50 | CP-256QAM | H | Edge_1RB_Right | 15.75 | 15.91 | 18.84 | 20.45 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-QPSK   | L | Outer_Full     | 18.68 | 18.25 | 21.48 | 23.09 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-QPSK   | L | Inner_Full     | 21.67 | 21.23 | 24.47 | 26.08 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-QPSK   | L | Edge_1RB_Left  | 18.83 | 18.35 | 21.61 | 23.22 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-QPSK   | L | Edge_1RB_Right | 18.64 | 18.16 | 21.42 | 23.03 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-16QAM  | L | Outer_Full     | 18.84 | 18.2  | 21.54 | 23.15 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-16QAM  | L | Inner_Full     | 21.38 | 20.86 | 24.14 | 25.75 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-16QAM  | L | Edge_1RB_Left  | 18.69 | 18.19 | 21.46 | 23.07 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-16QAM  | L | Edge_1RB_Right | 18.75 | 18.01 | 21.41 | 23.02 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-64QAM  | L | Outer_Full     | 18.71 | 18.28 | 21.51 | 23.12 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-64QAM  | L | Inner_Full     | 19.74 | 19.2  | 22.49 | 24.10 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-64QAM  | L | Edge_1RB_Left  | 17.73 | 17.18 | 20.47 | 22.08 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-64QAM  | L | Edge_1RB_Right | 17.63 | 17.2  | 20.43 | 22.04 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-256QAM | L | Outer_Full     | 15.93 | 15.47 | 18.72 | 20.33 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-256QAM | L | Inner_Full     | 16.77 | 16.29 | 19.55 | 21.16 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-256QAM | L | Edge_1RB_Left  | 16.41 | 15.95 | 19.2  | 20.81 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-256QAM | L | Edge_1RB_Right | 16.28 | 15.99 | 19.15 | 20.76 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-QPSK   | M | Outer_Full     | 18.67 | 18.28 | 21.49 | 23.10 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-QPSK   | M | Inner_Full     | 21.7  | 21.19 | 24.46 | 26.07 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-QPSK   | M | Edge_1RB_Left  | 18.5  | 18.14 | 21.33 | 22.94 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-QPSK   | M | Edge_1RB_Right | 18.36 | 17.69 | 21.05 | 22.6  | 30 | PASS |

|                   |    |    |               |   |                    |       |       |       |           |    |      |
|-------------------|----|----|---------------|---|--------------------|-------|-------|-------|-----------|----|------|
| 0                 |    |    |               |   | t                  |       |       |       | 6         |    |      |
| N77-3450-355<br>0 | 30 | 60 | CP-16QAM      | M | Outer_Full         | 18.72 | 18.2  | 21.48 | 23.0<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-16QAM      | M | Inner_Full         | 21.32 | 20.61 | 23.99 | 25.6<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-16QAM      | M | Edge_1RB_Left      | 18.93 | 17.86 | 21.44 | 23.0<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-16QAM      | M | Edge_1RB_Righ<br>t | 18.35 | 18.11 | 21.24 | 22.8<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-64QAM      | M | Outer_Full         | 18.8  | 18.17 | 21.51 | 23.1<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-64QAM      | M | Inner_Full         | 19.7  | 19.14 | 22.44 | 24.0<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-64QAM      | M | Edge_1RB_Left      | 17.84 | 17.07 | 20.48 | 22.0<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-64QAM      | M | Edge_1RB_Righ<br>t | 17.32 | 16.66 | 20.01 | 21.6<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-256QA<br>M | M | Outer_Full         | 15.72 | 15.41 | 18.58 | 20.1<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-256QA<br>M | M | Inner_Full         | 16.85 | 16.32 | 19.6  | 21.2<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-256QA<br>M | M | Edge_1RB_Left      | 16.65 | 16.16 | 19.42 | 21.0<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-256QA<br>M | M | Edge_1RB_Righ<br>t | 16.24 | 15.72 | 19    | 20.6<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-QPSK       | H | Outer_Full         | 18.22 | 17.96 | 21.1  | 22.7<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-QPSK       | H | Inner_Full         | 21.49 | 20.92 | 24.22 | 25.8<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-QPSK       | H | Edge_1RB_Left      | 18.65 | 17.87 | 21.29 | 22.9<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-QPSK       | H | Edge_1RB_Righ<br>t | 17.66 | 18.01 | 20.85 | 22.4<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-16QAM      | H | Outer_Full         | 18.5  | 17.94 | 21.24 | 22.8<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-16QAM      | H | Inner_Full         | 20.99 | 20.52 | 23.77 | 25.3<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-16QAM      | H | Edge_1RB_Left      | 18.62 | 18.06 | 21.36 | 22.9<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-16QAM      | H | Edge_1RB_Righ<br>t | 17.63 | 18.11 | 20.89 | 22.5<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 60 | CP-64QAM      | H | Outer_Full         | 18.43 | 18.03 | 21.24 | 22.8<br>5 | 30 | PASS |

|               |    |    |           |   |                |       |       |       |       |    |      |
|---------------|----|----|-----------|---|----------------|-------|-------|-------|-------|----|------|
| N77-3450-3550 | 30 | 60 | CP-64QAM  | H | Inner_Full     | 19.41 | 18.92 | 22.18 | 23.79 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-64QAM  | H | Edge_1RB_Left  | 17.77 | 16.79 | 20.32 | 21.93 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-64QAM  | H | Edge_1RB_Right | 16.83 | 17.07 | 19.96 | 21.57 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-256QAM | H | Outer_Full     | 15.37 | 15.4  | 18.4  | 20.01 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-256QAM | H | Inner_Full     | 16.38 | 16.04 | 19.22 | 20.83 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-256QAM | H | Edge_1RB_Left  | 16.68 | 16.11 | 19.41 | 21.02 | 30 | PASS |
| N77-3450-3550 | 30 | 60 | CP-256QAM | H | Edge_1RB_Right | 15.64 | 16.12 | 18.9  | 20.51 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-QPSK   | L | Outer_Full     | 18.76 | 18.1  | 21.45 | 23.06 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-QPSK   | L | Inner_Full     | 21.83 | 21.24 | 24.56 | 26.17 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-QPSK   | L | Edge_1RB_Left  | 18.84 | 18.45 | 21.66 | 23.27 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-QPSK   | L | Edge_1RB_Right | 18.21 | 17.69 | 20.97 | 22.58 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-16QAM  | L | Outer_Full     | 18.72 | 18.23 | 21.49 | 23.10 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-16QAM  | L | Inner_Full     | 21.35 | 20.73 | 24.06 | 25.67 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-16QAM  | L | Edge_1RB_Left  | 18.86 | 18.27 | 21.59 | 23.20 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-16QAM  | L | Edge_1RB_Right | 17.98 | 17.9  | 20.95 | 22.56 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-64QAM  | L | Outer_Full     | 18.81 | 18.29 | 21.57 | 23.18 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-64QAM  | L | Inner_Full     | 19.81 | 19.29 | 22.57 | 24.18 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-64QAM  | L | Edge_1RB_Left  | 17.94 | 17.26 | 20.62 | 22.23 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-64QAM  | L | Edge_1RB_Right | 16.95 | 16.82 | 19.9  | 21.51 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-256QAM | L | Outer_Full     | 15.73 | 15.32 | 18.54 | 20.15 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-256QAM | L | Inner_Full     | 16.76 | 16.09 | 19.45 | 21.06 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-256QAM | L | Edge_1RB_Left  | 16.58 | 16.67 | 19.64 | 21.2  | 30 | PASS |

|                   |    |    |               |   |                    |       |       |       |           |    |      |
|-------------------|----|----|---------------|---|--------------------|-------|-------|-------|-----------|----|------|
| 0                 |    |    | M             |   |                    |       |       |       | 5         |    |      |
| N77-3450-355<br>0 | 30 | 80 | CP-256QA<br>M | L | Edge_1RB_Righ<br>t | 15.98 | 15.91 | 18.96 | 20.5<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-QPSK       | M | Outer_Full         | 18.77 | 18.06 | 21.44 | 23.0<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-QPSK       | M | Inner_Full         | 21.67 | 21.18 | 24.44 | 26.0<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-QPSK       | M | Edge_1RB_Left      | 18.74 | 17.94 | 21.37 | 22.9<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-QPSK       | M | Edge_1RB_Righ<br>t | 17.56 | 17.86 | 20.72 | 22.3<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-16QAM      | M | Outer_Full         | 18.66 | 18.13 | 21.41 | 23.0<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-16QAM      | M | Inner_Full         | 21.12 | 20.54 | 23.85 | 25.4<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-16QAM      | M | Edge_1RB_Left      | 19.24 | 18.25 | 21.78 | 23.3<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-16QAM      | M | Edge_1RB_Righ<br>t | 17.54 | 17.48 | 20.52 | 22.1<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-64QAM      | M | Outer_Full         | 18.75 | 18.21 | 21.5  | 23.1<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-64QAM      | M | Inner_Full         | 19.59 | 19.09 | 22.36 | 23.9<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-64QAM      | M | Edge_1RB_Left      | 17.96 | 17.08 | 20.55 | 22.1<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-64QAM      | M | Edge_1RB_Righ<br>t | 16.96 | 16.96 | 19.97 | 21.5<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-256QA<br>M | M | Outer_Full         | 15.66 | 15.28 | 18.48 | 20.0<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-256QA<br>M | M | Inner_Full         | 16.61 | 16.18 | 19.41 | 21.0<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-256QA<br>M | M | Edge_1RB_Left      | 16.81 | 15.91 | 19.39 | 21.0<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-256QA<br>M | M | Edge_1RB_Righ<br>t | 15.67 | 16.18 | 18.94 | 20.5<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-QPSK       | H | Outer_Full         | 18.46 | 18.15 | 21.32 | 22.9<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-QPSK       | H | Inner_Full         | 21.48 | 21.19 | 24.35 | 25.9<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-QPSK       | H | Edge_1RB_Left      | 18.62 | 18.04 | 21.35 | 22.9<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 80 | CP-QPSK       | H | Edge_1RB_Righ<br>t | 17.73 | 18.01 | 20.88 | 22.4<br>9 | 30 | PASS |

|               |    |    |           |   |                |       |       |       |       |    |      |
|---------------|----|----|-----------|---|----------------|-------|-------|-------|-------|----|------|
| N77-3450-3550 | 30 | 80 | CP-16QAM  | H | Outer_Full     | 18.48 | 18.12 | 21.31 | 22.92 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-16QAM  | H | Inner_Full     | 21.03 | 20.58 | 23.82 | 25.43 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-16QAM  | H | Edge_1RB_Left  | 18.74 | 18.07 | 21.43 | 23.04 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-16QAM  | H | Edge_1RB_Right | 17.47 | 17.85 | 20.67 | 22.28 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-64QAM  | H | Outer_Full     | 18.59 | 18.07 | 21.35 | 22.96 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-64QAM  | H | Inner_Full     | 19.6  | 19.04 | 22.34 | 23.95 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-64QAM  | H | Edge_1RB_Left  | 17.93 | 16.81 | 20.42 | 22.03 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-64QAM  | H | Edge_1RB_Right | 16.6  | 17.08 | 19.86 | 21.47 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-256QAM | H | Outer_Full     | 15.5  | 15.24 | 18.38 | 19.99 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-256QAM | H | Inner_Full     | 16.48 | 16.19 | 19.35 | 20.96 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-256QAM | H | Edge_1RB_Left  | 16.88 | 15.91 | 19.43 | 21.04 | 30 | PASS |
| N77-3450-3550 | 30 | 80 | CP-256QAM | H | Edge_1RB_Right | 15.65 | 15.93 | 18.8  | 20.41 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-QPSK   | L | Outer_Full     | 18.63 | 18.01 | 21.34 | 22.95 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-QPSK   | L | Inner_Full     | 21.72 | 21.25 | 24.5  | 26.11 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-QPSK   | L | Edge_1RB_Left  | 18.88 | 18.26 | 21.59 | 23.20 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-QPSK   | L | Edge_1RB_Right | 17.87 | 17.68 | 20.79 | 22.40 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-16QAM  | L | Outer_Full     | 18.62 | 18.21 | 21.43 | 23.04 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-16QAM  | L | Inner_Full     | 21.31 | 20.72 | 24.04 | 25.65 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-16QAM  | L | Edge_1RB_Left  | 18.85 | 18.29 | 21.59 | 23.20 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-16QAM  | L | Edge_1RB_Right | 17.45 | 17.82 | 20.65 | 22.26 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-64QAM  | L | Outer_Full     | 18.81 | 18.1  | 21.48 | 23.09 | 30 | PASS |
| N77-3450-3550 | 30 | 90 | CP-64QAM  | L | Inner_Full     | 19.86 | 19.11 | 22.51 | 24.1  | 30 | PASS |

|                   |    |    |               |   |                    |       |       |       |           |    |      |
|-------------------|----|----|---------------|---|--------------------|-------|-------|-------|-----------|----|------|
| 0                 |    |    |               |   |                    |       |       |       | 2         |    |      |
| N77-3450-355<br>0 | 30 | 90 | CP-64QAM      | L | Edge_1RB_Left      | 18.01 | 17.28 | 20.67 | 22.2<br>8 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-64QAM      | L | Edge_1RB_Righ<br>t | 16.74 | 16.83 | 19.8  | 21.4<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-256QA<br>M | L | Outer_Full         | 15.64 | 15.4  | 18.53 | 20.1<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-256QA<br>M | L | Inner_Full         | 16.84 | 16.13 | 19.51 | 21.1<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-256QA<br>M | L | Edge_1RB_Left      | 16.77 | 16.71 | 19.75 | 21.3<br>6 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-256QA<br>M | L | Edge_1RB_Righ<br>t | 15.91 | 15.93 | 18.93 | 20.5<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-QPSK       | M | Outer_Full         | 18.56 | 18.24 | 21.41 | 23.0<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-QPSK       | M | Inner_Full         | 21.65 | 21.19 | 24.44 | 26.0<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-QPSK       | M | Edge_1RB_Left      | 18.68 | 18.26 | 21.49 | 23.1<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-QPSK       | M | Edge_1RB_Righ<br>t | 17.68 | 17.94 | 20.82 | 22.4<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-16QAM      | M | Outer_Full         | 18.65 | 18.02 | 21.36 | 22.9<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-16QAM      | M | Inner_Full         | 21.2  | 20.62 | 23.93 | 25.5<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-16QAM      | M | Edge_1RB_Left      | 18.85 | 18.07 | 21.49 | 23.1<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-16QAM      | M | Edge_1RB_Righ<br>t | 17.67 | 17.96 | 20.83 | 22.4<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-64QAM      | M | Outer_Full         | 18.58 | 18.07 | 21.34 | 22.9<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-64QAM      | M | Inner_Full         | 19.77 | 19.01 | 22.42 | 24.0<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-64QAM      | M | Edge_1RB_Left      | 17.81 | 17.22 | 20.54 | 22.1<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-64QAM      | M | Edge_1RB_Righ<br>t | 16.54 | 17.07 | 19.82 | 21.4<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-256QA<br>M | M | Outer_Full         | 15.75 | 15.42 | 18.6  | 20.2<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-256QA<br>M | M | Inner_Full         | 16.73 | 15.99 | 19.39 | 21.0<br>0 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 90 | CP-256QA<br>M | M | Edge_1RB_Left      | 16.23 | 16.24 | 19.25 | 20.8<br>6 | 30 | PASS |

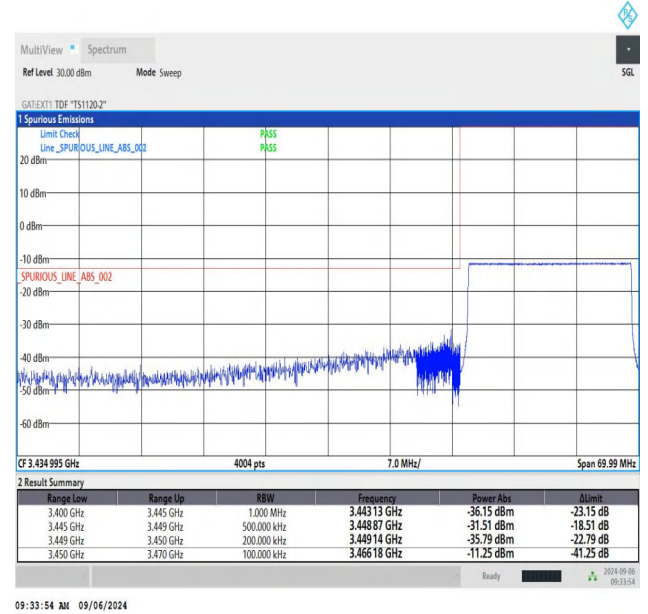
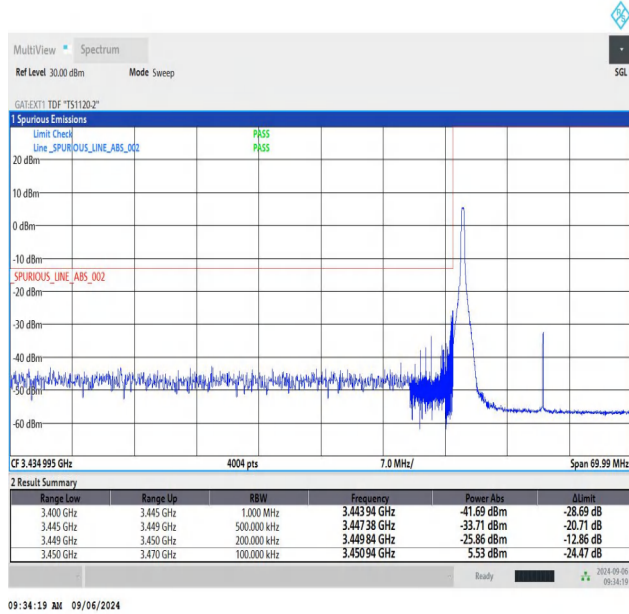
|               |    |     |           |   |                |       |       |       |       |    |      |
|---------------|----|-----|-----------|---|----------------|-------|-------|-------|-------|----|------|
| N77-3450-3550 | 30 | 90  | CP-256QAM | M | Edge_1RB_Right | 15.29 | 15.56 | 18.44 | 20.05 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-QPSK   | H | Outer_Full     | 18.5  | 18.01 | 21.27 | 22.88 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-QPSK   | H | Inner_Full     | 21.71 | 21.15 | 24.45 | 26.06 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-QPSK   | H | Edge_1RB_Left  | 18.62 | 18.05 | 21.35 | 22.96 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-QPSK   | H | Edge_1RB_Right | 17.78 | 18.07 | 20.94 | 22.55 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-16QAM  | H | Outer_Full     | 18.68 | 18.2  | 21.46 | 23.07 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-16QAM  | H | Inner_Full     | 21.23 | 20.76 | 24.01 | 25.62 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-16QAM  | H | Edge_1RB_Left  | 18.88 | 18.19 | 21.56 | 23.17 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-16QAM  | H | Edge_1RB_Right | 17.68 | 18.01 | 20.86 | 22.47 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-64QAM  | H | Outer_Full     | 18.69 | 18.14 | 21.43 | 23.04 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-64QAM  | H | Inner_Full     | 19.61 | 19.03 | 22.34 | 23.95 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-64QAM  | H | Edge_1RB_Left  | 17.98 | 17.1  | 20.57 | 22.18 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-64QAM  | H | Edge_1RB_Right | 16.68 | 17.14 | 19.93 | 21.54 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-256QAM | H | Outer_Full     | 15.68 | 15.39 | 18.55 | 20.16 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-256QAM | H | Inner_Full     | 16.63 | 16.22 | 19.44 | 21.05 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-256QAM | H | Edge_1RB_Left  | 16.78 | 16.2  | 19.51 | 21.12 | 30 | PASS |
| N77-3450-3550 | 30 | 90  | CP-256QAM | H | Edge_1RB_Right | 15.53 | 15.93 | 18.74 | 20.35 | 30 | PASS |
| N77-3450-3550 | 30 | 100 | CP-QPSK   | M | Outer_Full     | 18.59 | 18.1  | 21.36 | 22.97 | 30 | PASS |
| N77-3450-3550 | 30 | 100 | CP-QPSK   | M | Inner_Full     | 21.64 | 21.2  | 24.44 | 26.05 | 30 | PASS |
| N77-3450-3550 | 30 | 100 | CP-QPSK   | M | Edge_1RB_Left  | 18.75 | 18.32 | 21.55 | 23.16 | 30 | PASS |
| N77-3450-3550 | 30 | 100 | CP-QPSK   | M | Edge_1RB_Right | 17.82 | 17.92 | 20.88 | 22.49 | 30 | PASS |
| N77-3450-3550 | 30 | 100 | CP-16QAM  | M | Outer_Full     | 18.56 | 18.23 | 21.41 | 23.0  | 30 | PASS |

|                   |    |     |               |   |                    |       |       |       |           |    |      |
|-------------------|----|-----|---------------|---|--------------------|-------|-------|-------|-----------|----|------|
| 0                 |    |     |               |   |                    |       |       |       | 2         |    |      |
| N77-3450-355<br>0 | 30 | 100 | CP-16QAM      | M | Inner_Full         | 21.19 | 20.65 | 23.94 | 25.5<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-16QAM      | M | Edge_1RB_Left      | 18.41 | 18.02 | 21.23 | 22.8<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-16QAM      | M | Edge_1RB_Righ<br>t | 17.76 | 18.25 | 21.02 | 22.6<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-64QAM      | M | Outer_Full         | 18.71 | 18.3  | 21.52 | 23.1<br>3 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-64QAM      | M | Inner_Full         | 19.68 | 19.25 | 22.48 | 24.0<br>9 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-64QAM      | M | Edge_1RB_Left      | 17.52 | 17.17 | 20.36 | 21.9<br>7 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-64QAM      | M | Edge_1RB_Righ<br>t | 16.84 | 16.82 | 19.84 | 21.4<br>5 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-256QA<br>M | M | Outer_Full         | 15.56 | 15.42 | 18.5  | 20.1<br>1 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-256QA<br>M | M | Inner_Full         | 16.55 | 16.24 | 19.41 | 21.0<br>2 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-256QA<br>M | M | Edge_1RB_Left      | 16.57 | 16.47 | 19.53 | 21.1<br>4 | 30 | PASS |
| N77-3450-355<br>0 | 30 | 100 | CP-256QA<br>M | M | Edge_1RB_Righ<br>t | 15.56 | 16.08 | 18.84 | 20.4<br>5 | 30 | PASS |

## Band Edge for MIMO ANT1

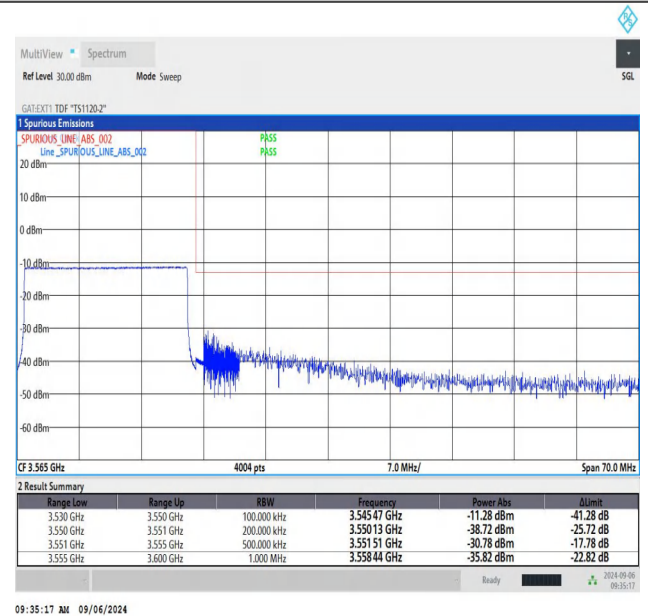
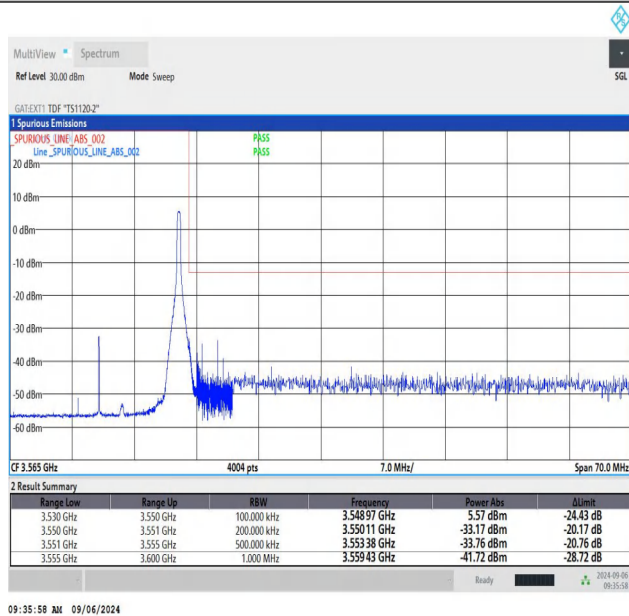
### Test Graphs

**Note:** For UL MIMO mode, the conducted BE/Spurious are tested at single antenna port and add  $10 \cdot \log(\text{NANT})$  according to KDB 662911 D01. The result of the single antenna port test is below the limit by more than 3dB margin, so the results of Ant1+Ant2 also meet the limit requirements.



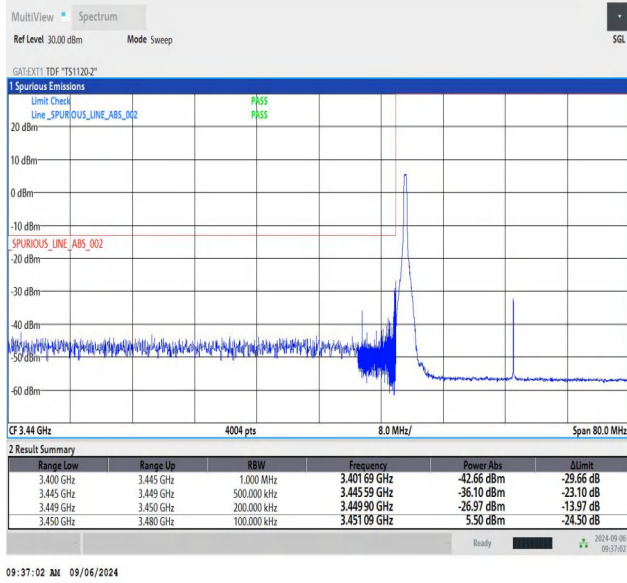
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S

NTNV-n77(3450-3550)-PC2-30-20-L-CP-QPSK-Outer\_Full-PA  
SS



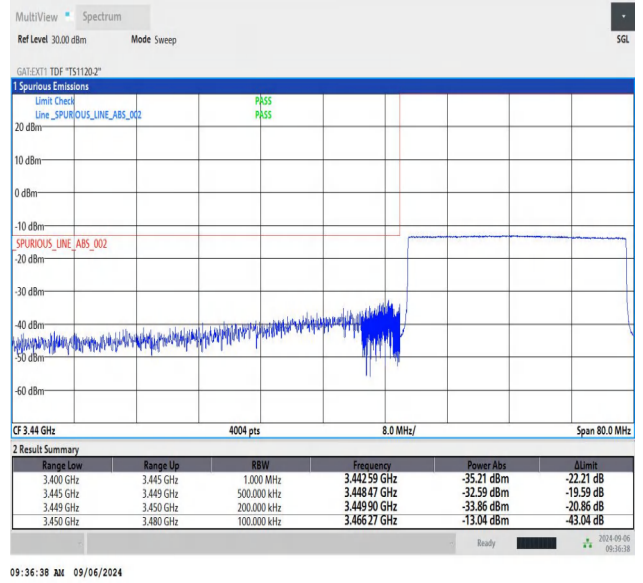
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SS

NTNV-n77(3450-3550)-PC2-30-20-H-CP-QPSK-Outer\_Full-PA  
SS



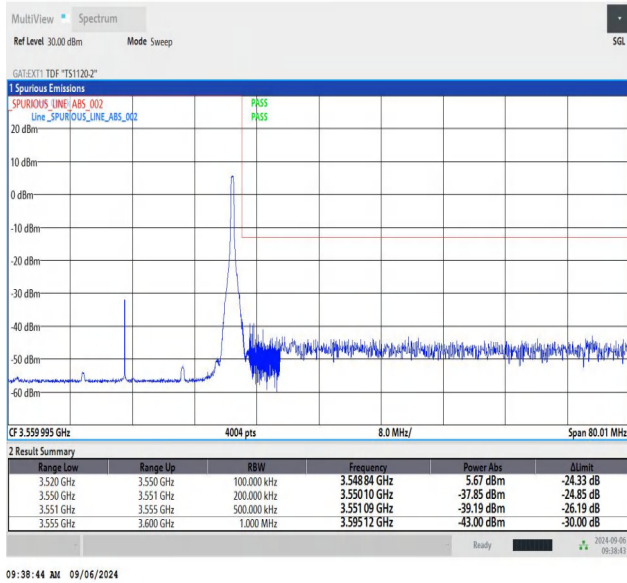
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S



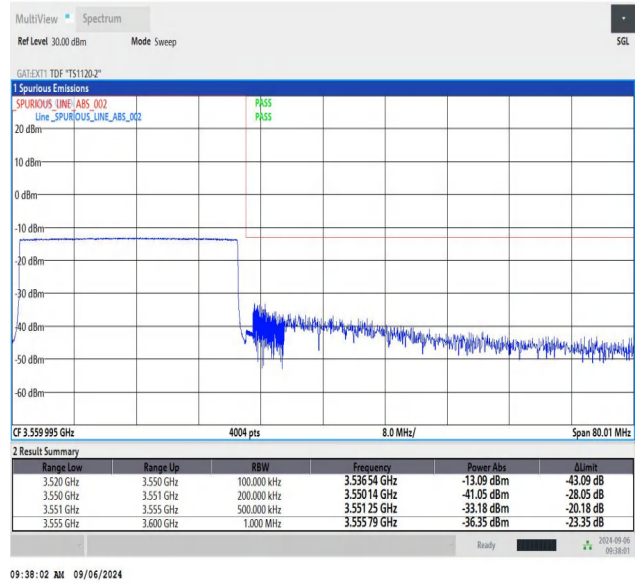
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SS



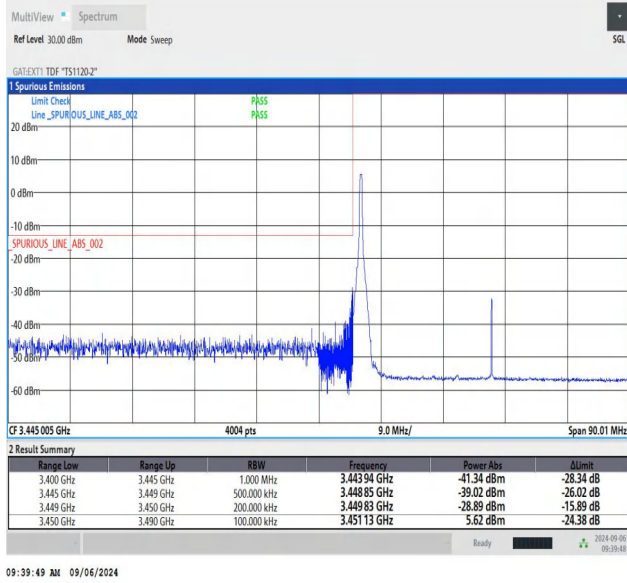
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SS



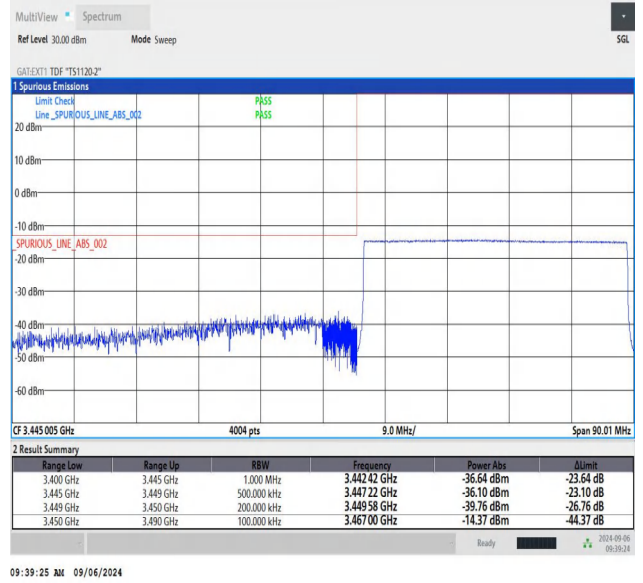
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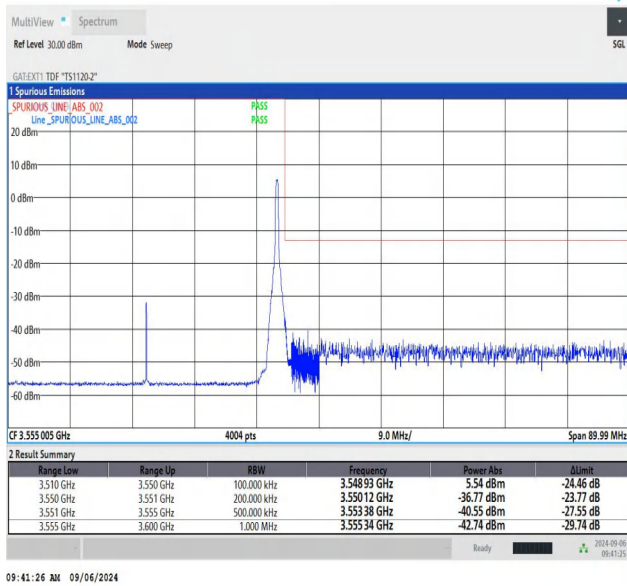
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S



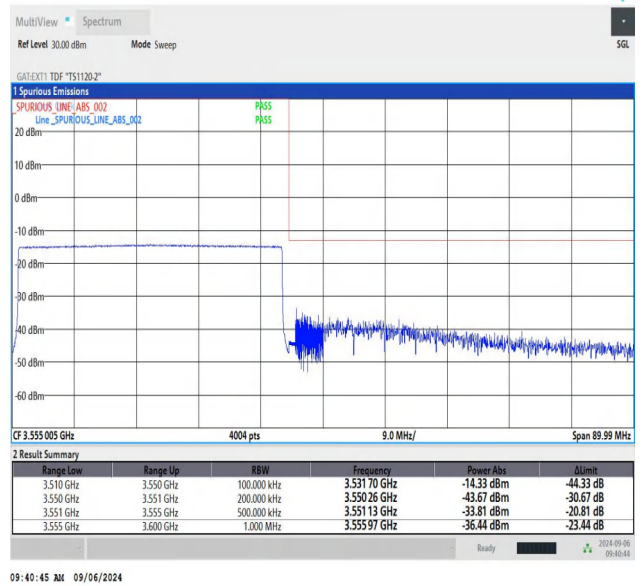
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SS



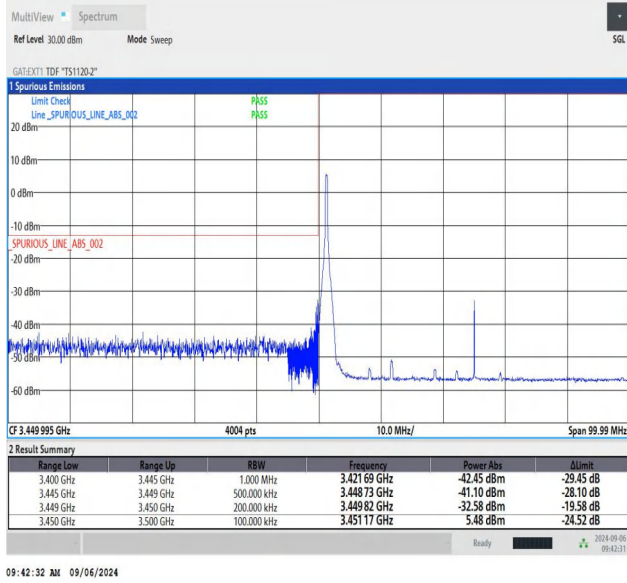
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SS



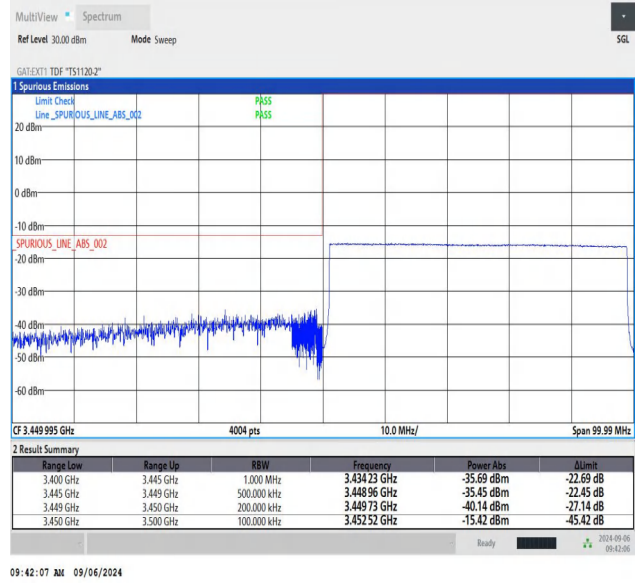
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SS



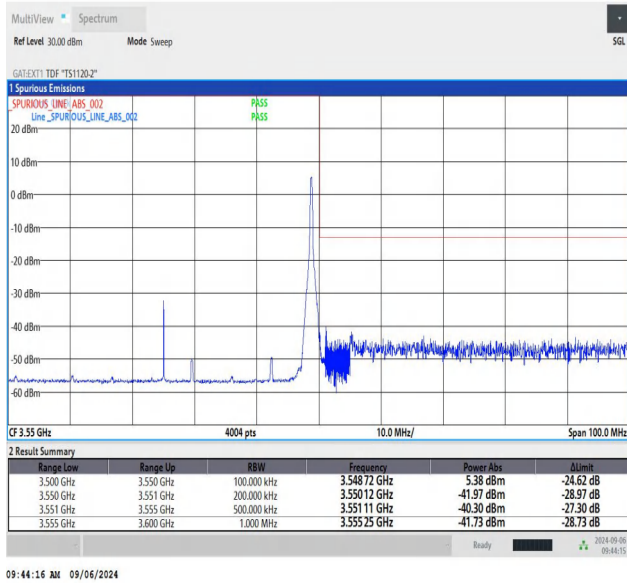
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S



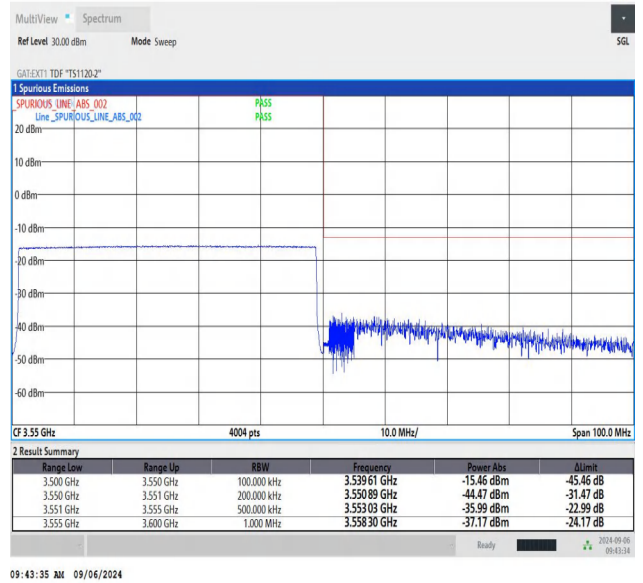
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SS



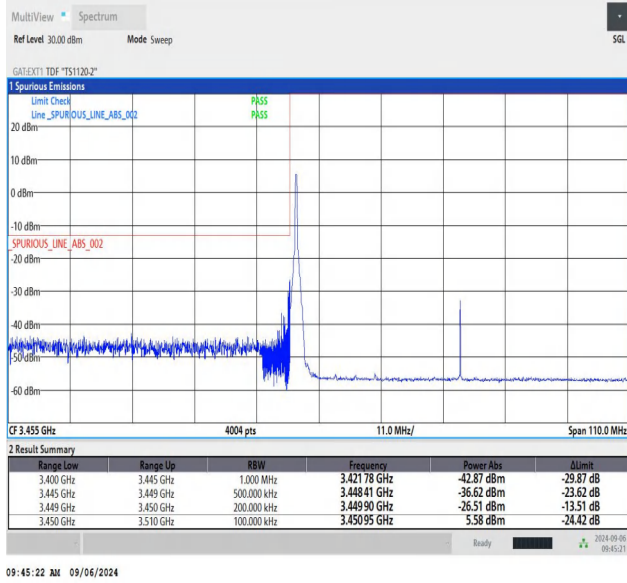
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SS



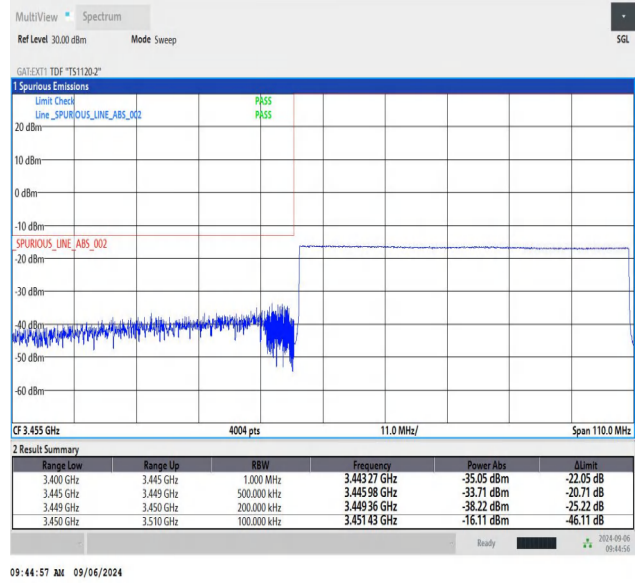
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SS



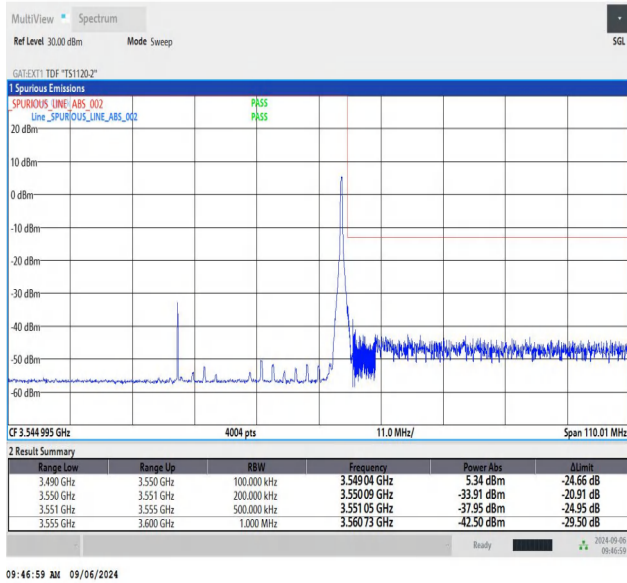
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S



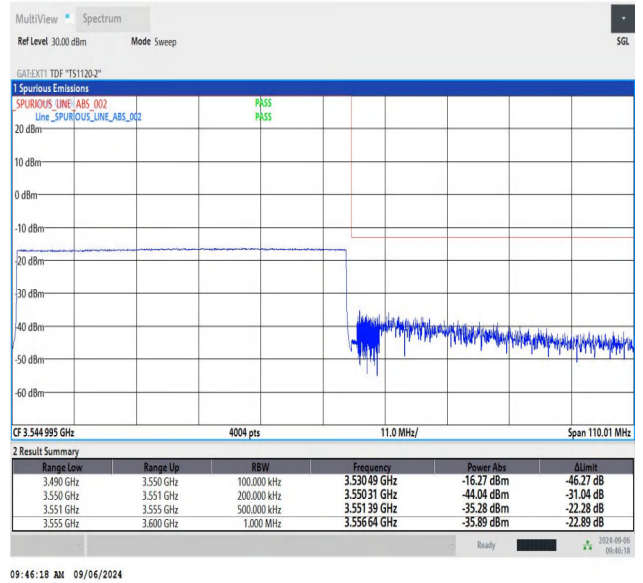
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SS



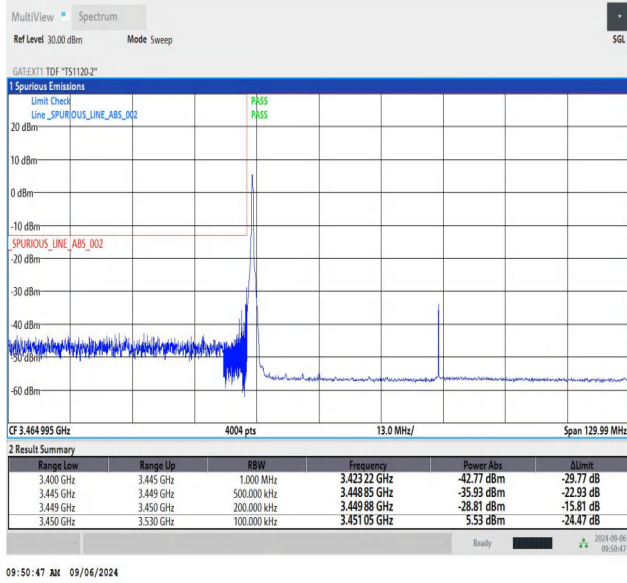
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SS



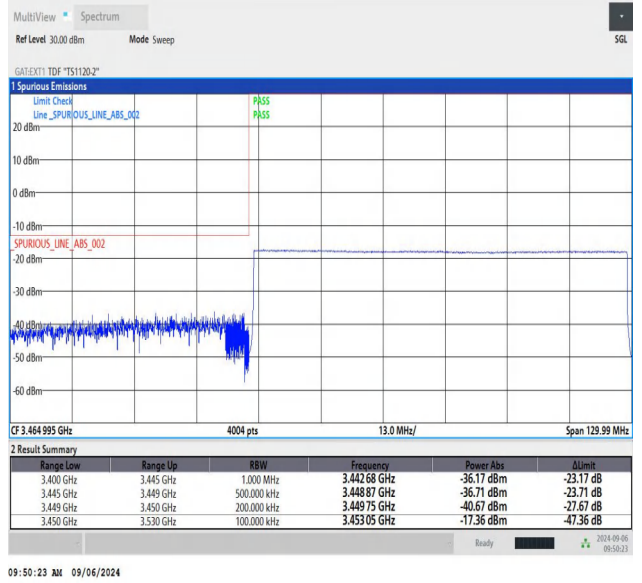
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SS



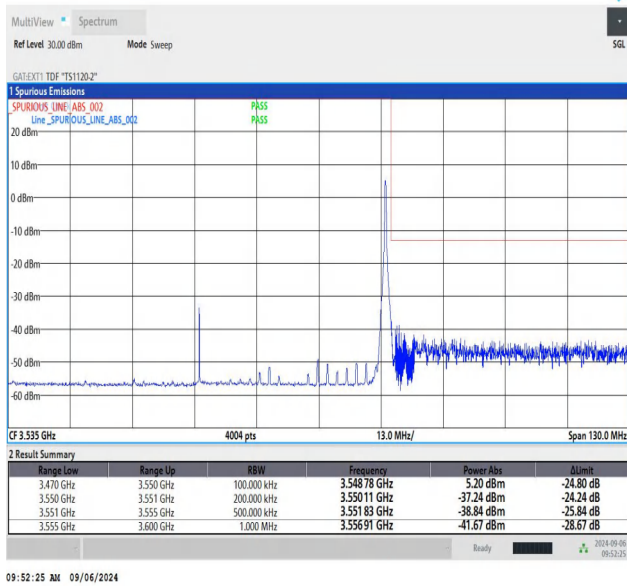
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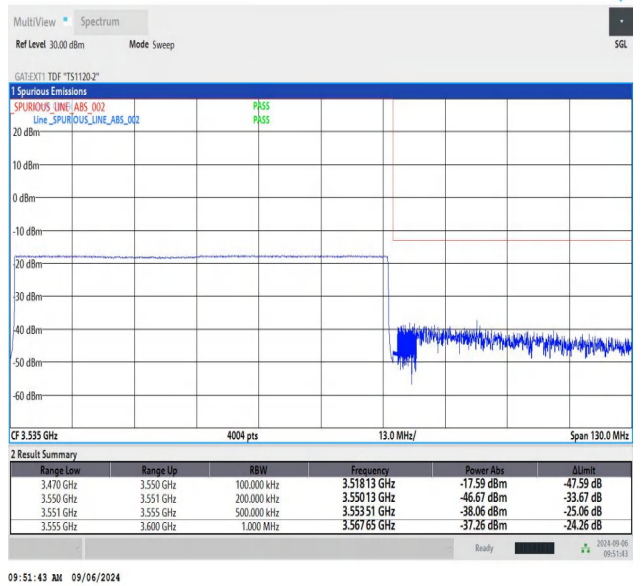
NTNV-n77(3450-3550)-PC2-30-80-L-CP-QPSK-Outer\_Full-PA

SS



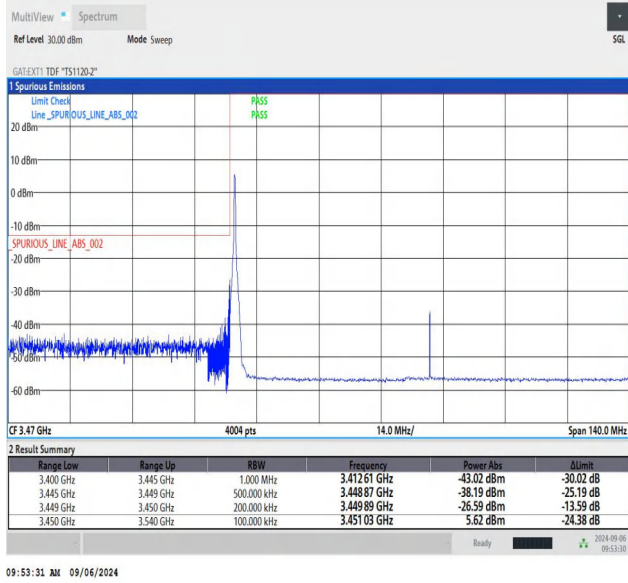
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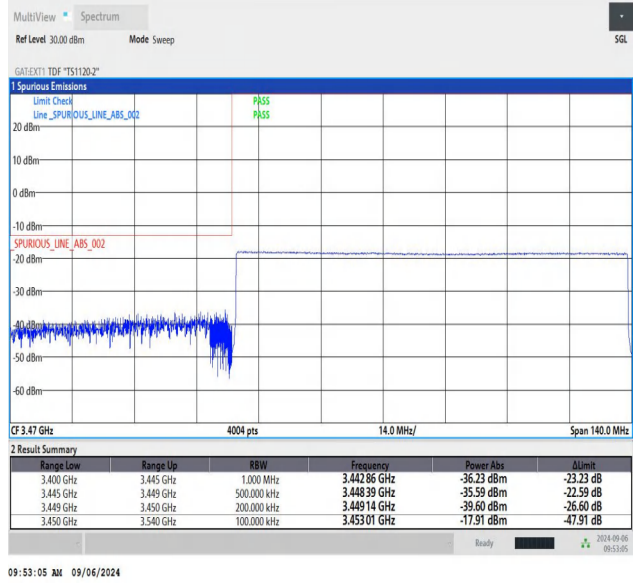
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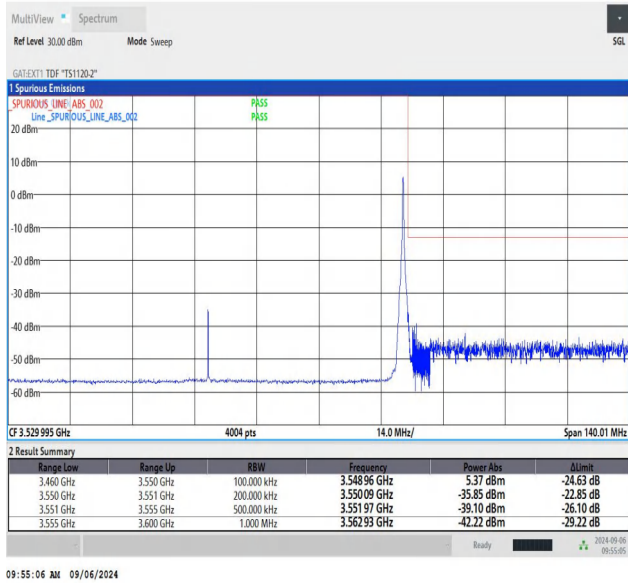
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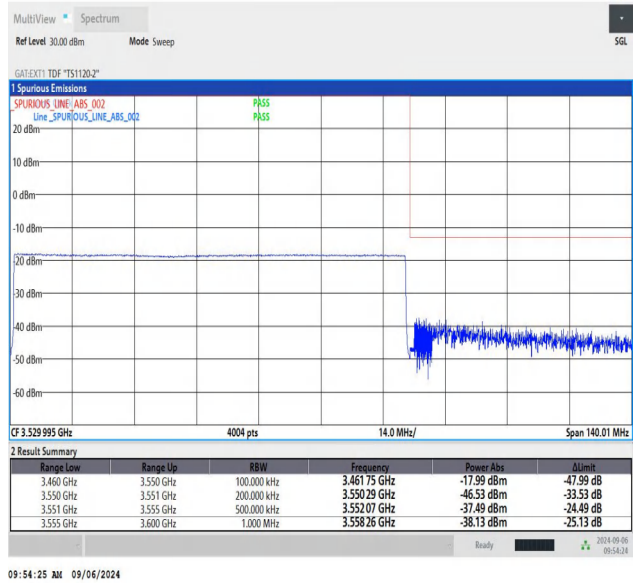
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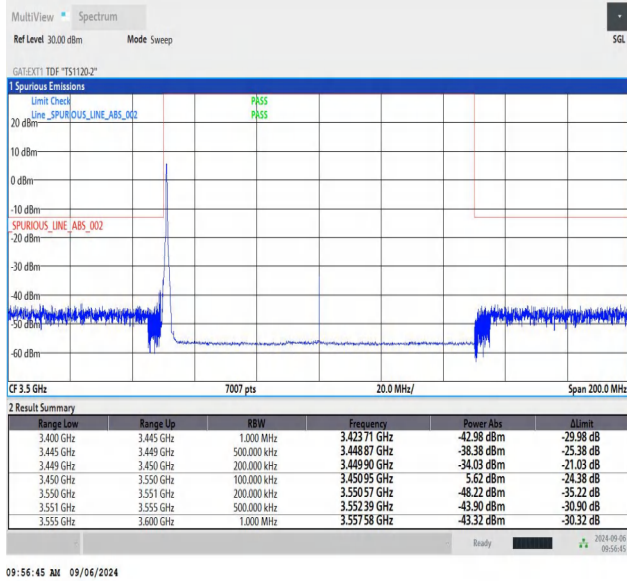
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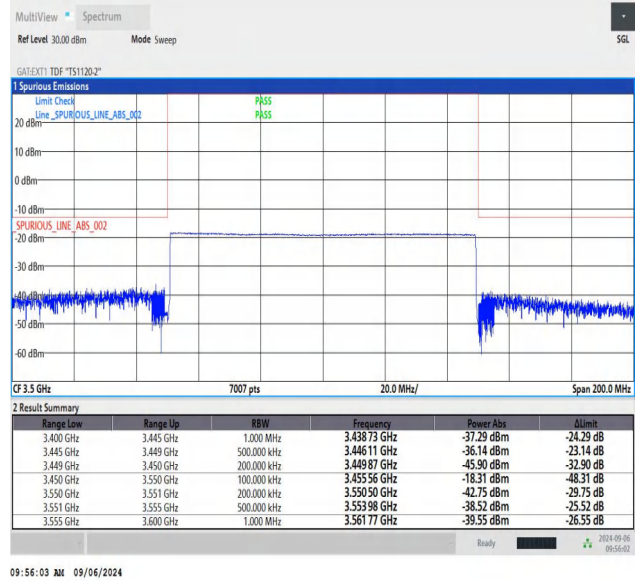
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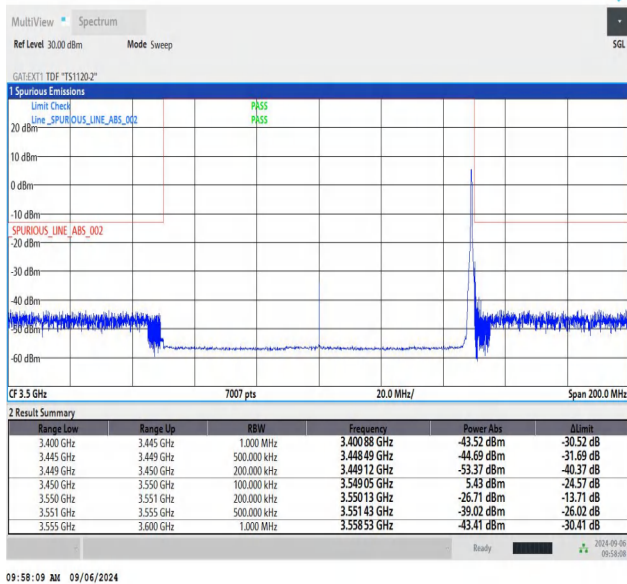
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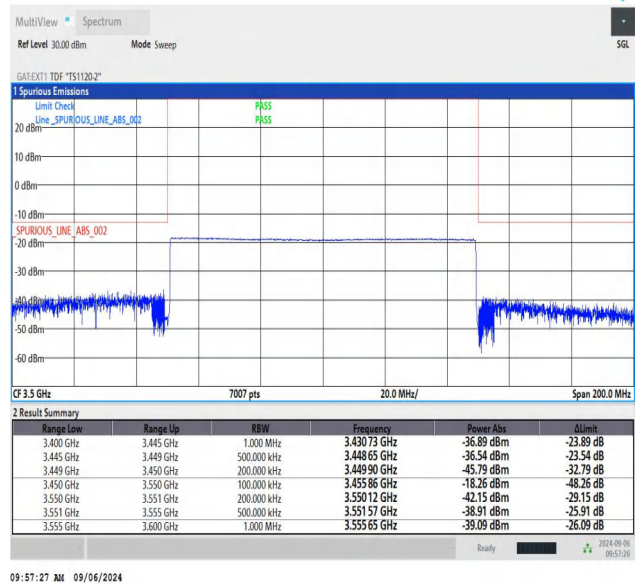
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SS



NTNV-n77(3450-3550)-PC2-30-100-H-CP-QPSK-Edge\_1RB\_Right-P

ASS



NTNV-n77(3450-3550)-PC2-30-100-H-CP-QPSK-Outer\_Full-P

ASS