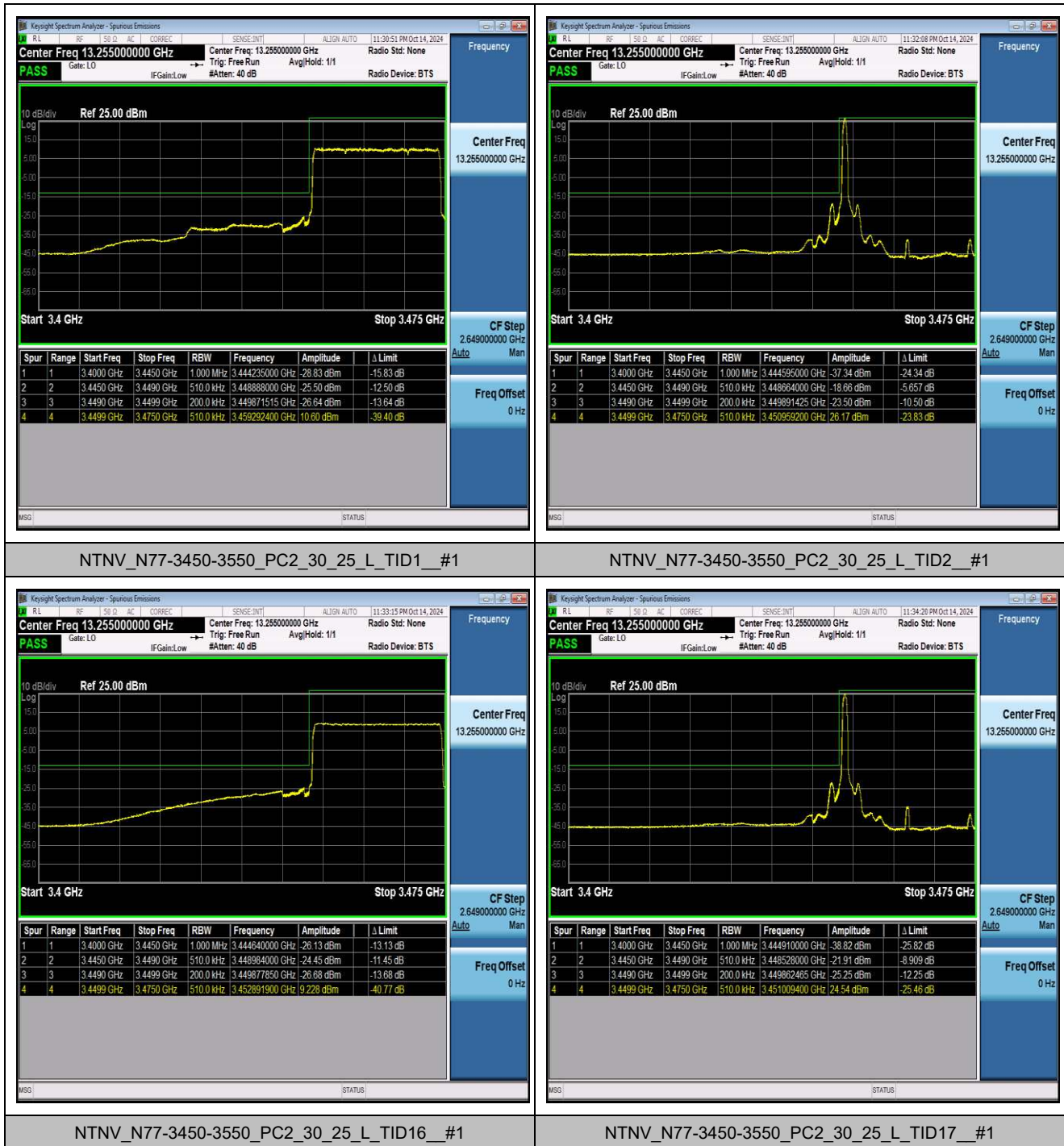
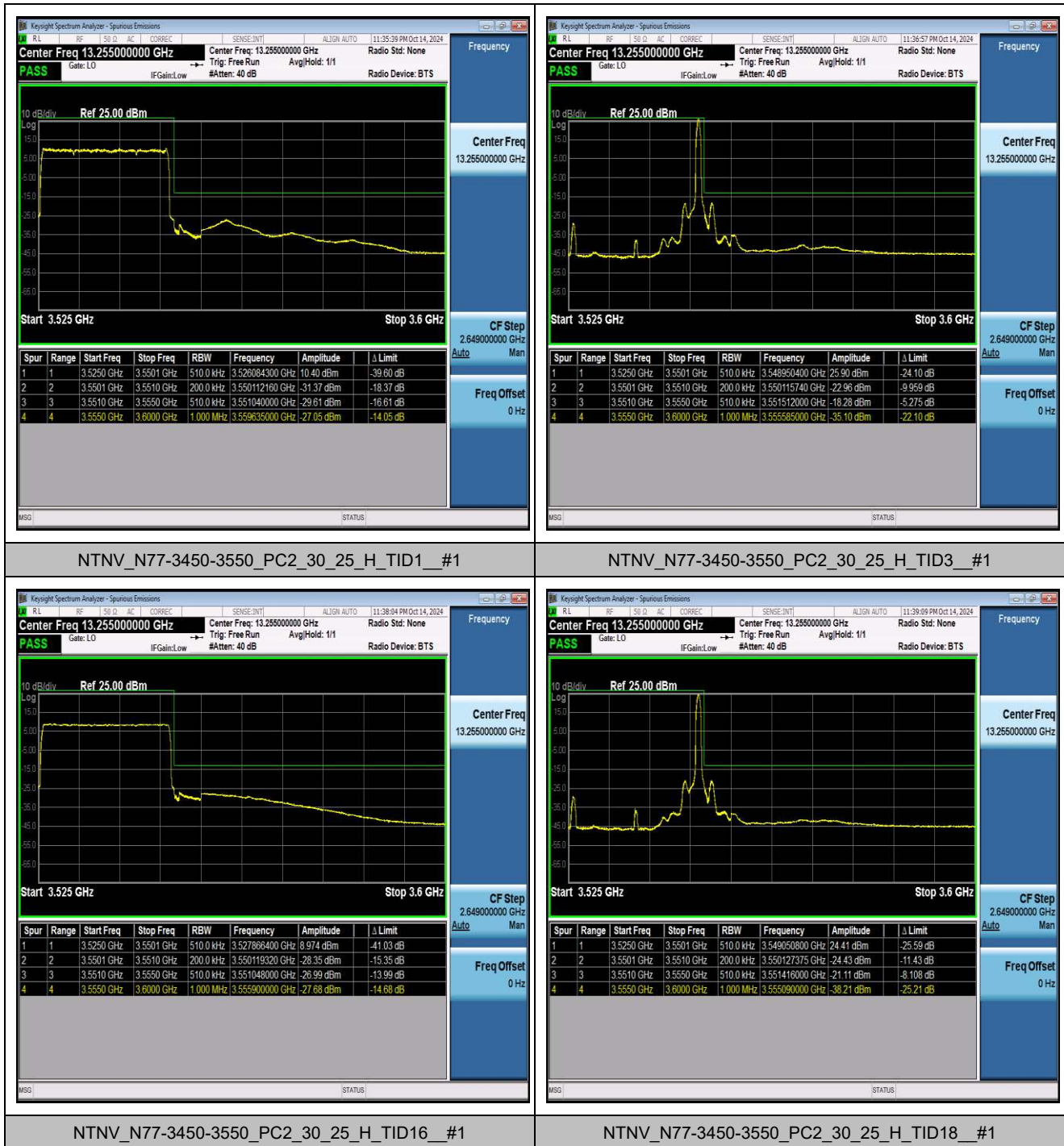
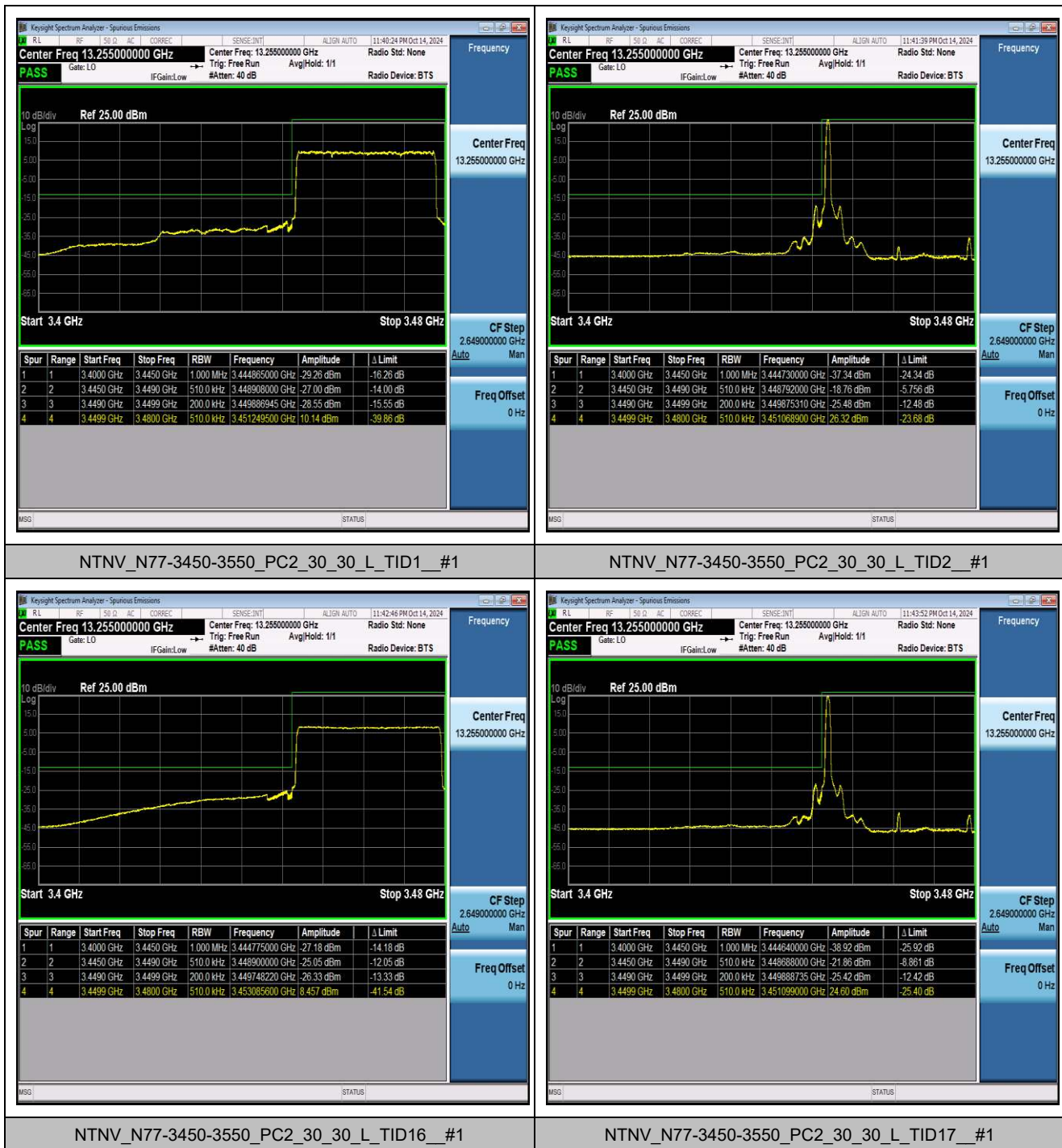
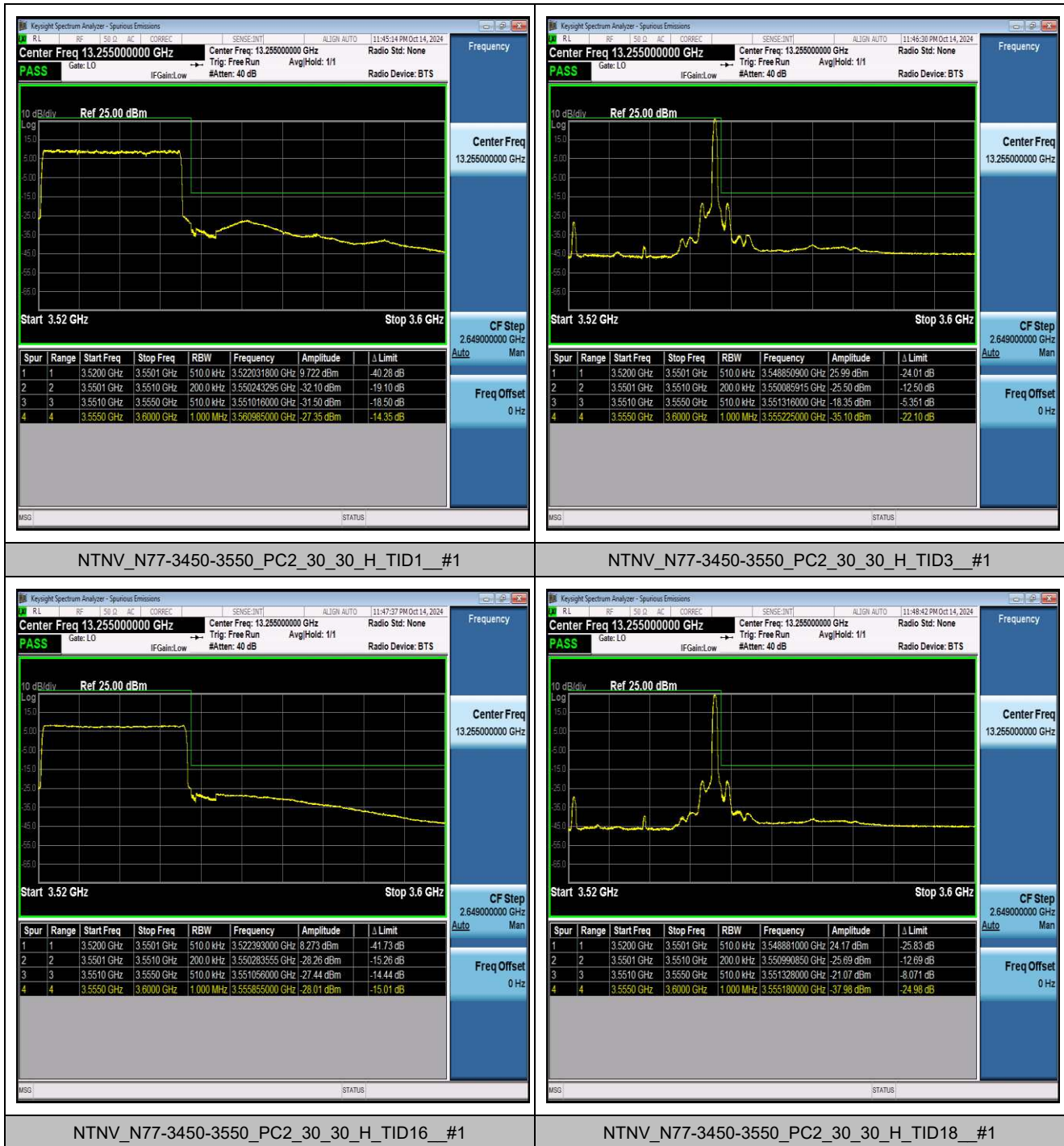
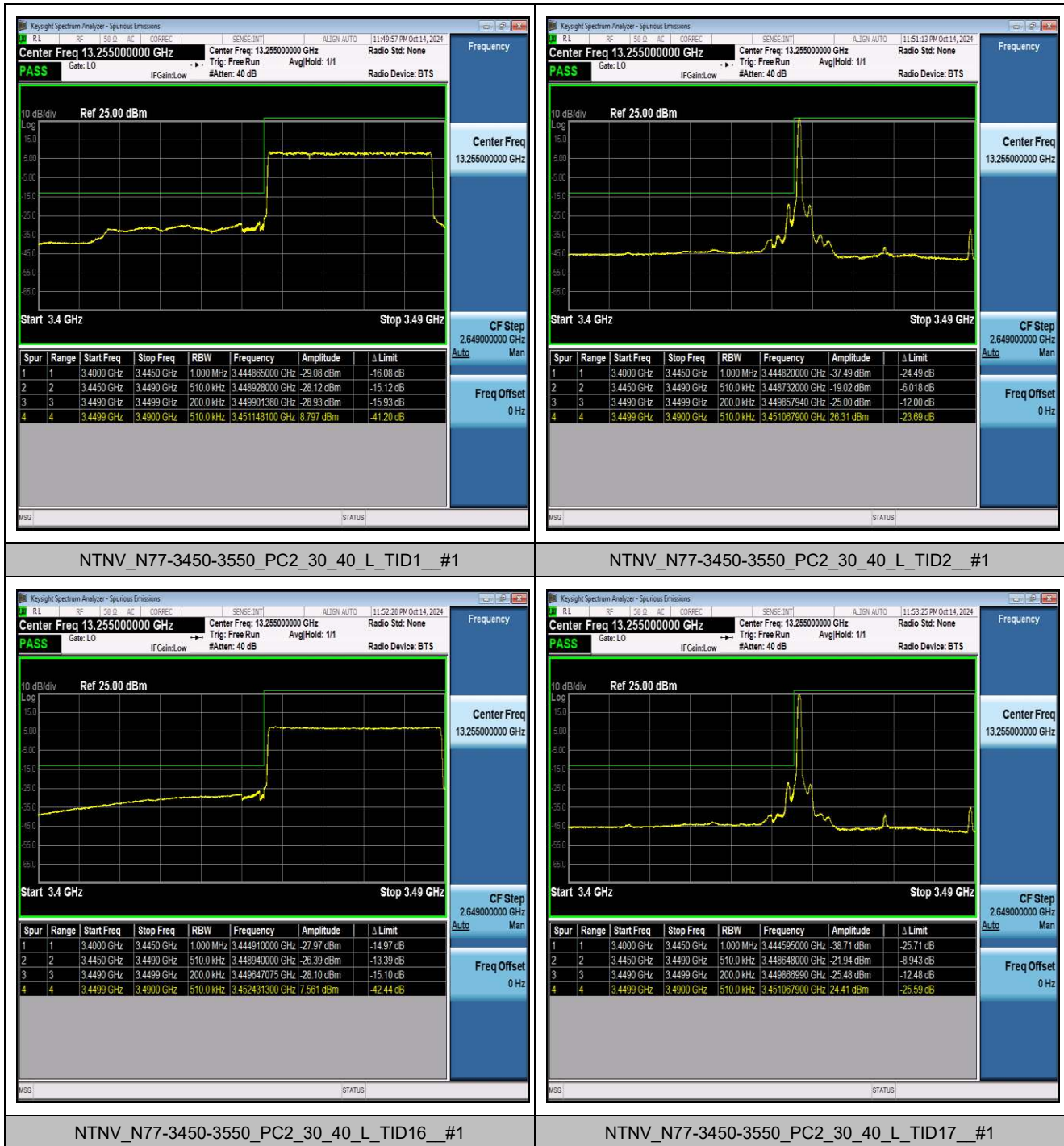




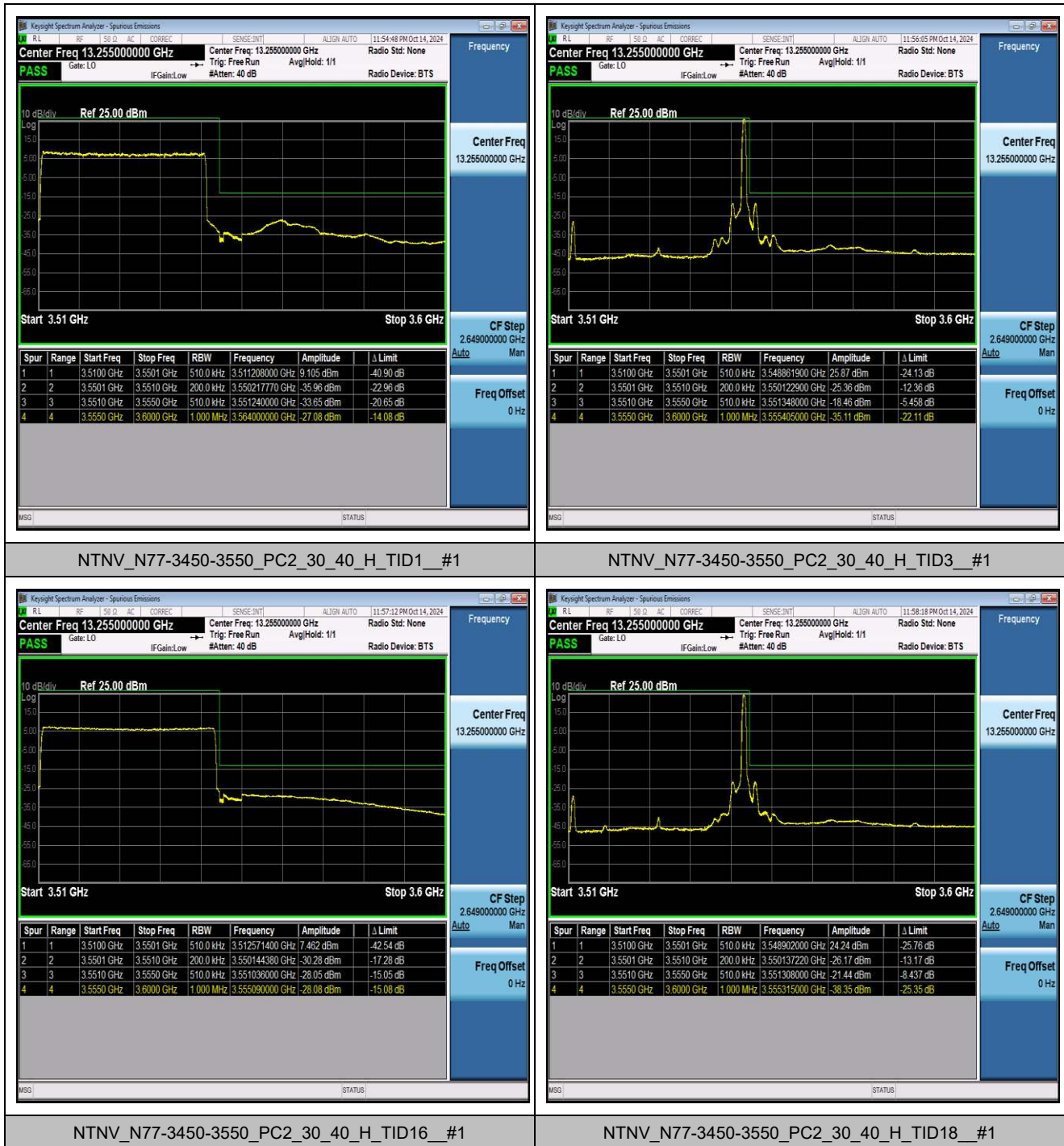


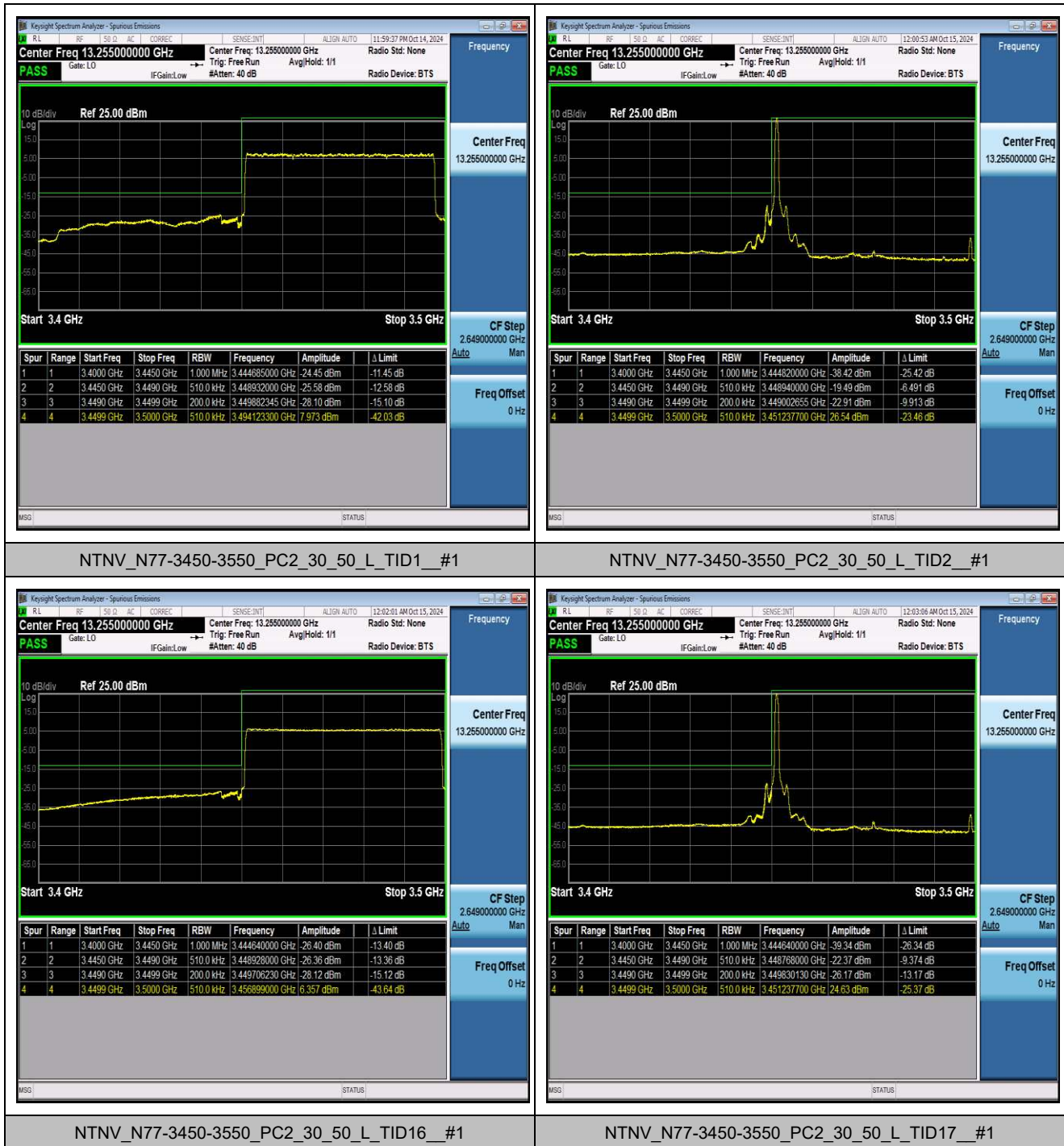


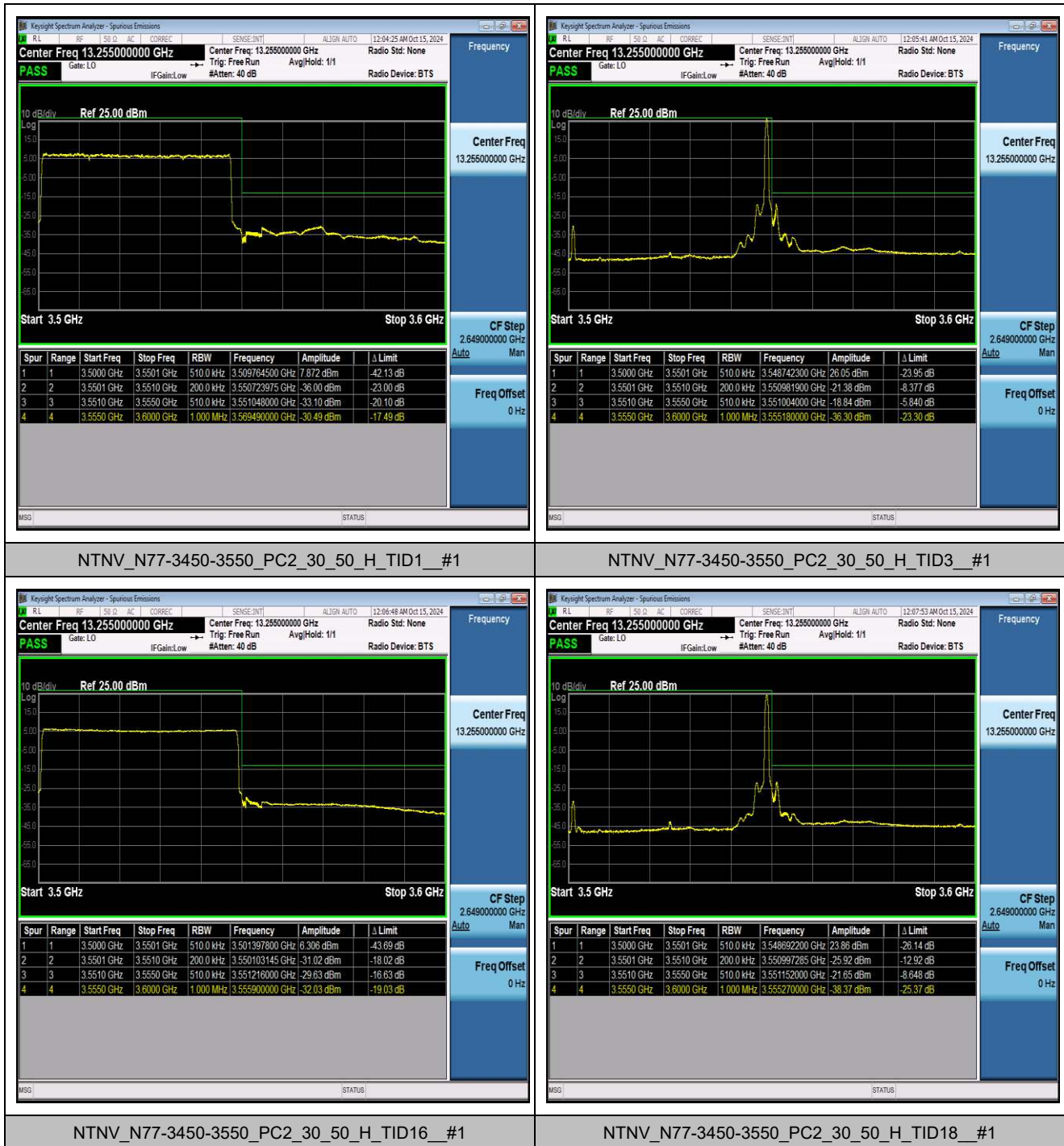




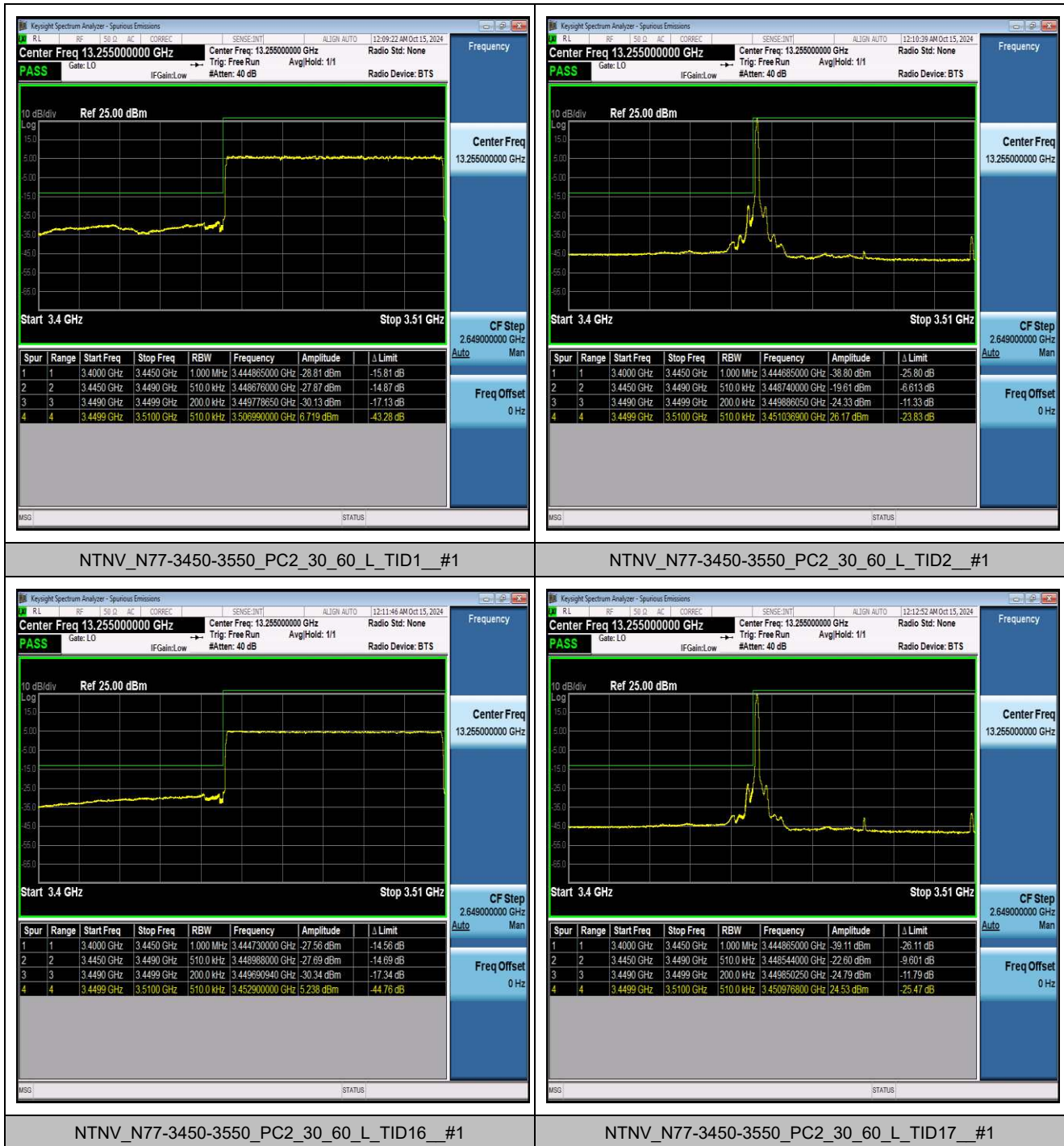


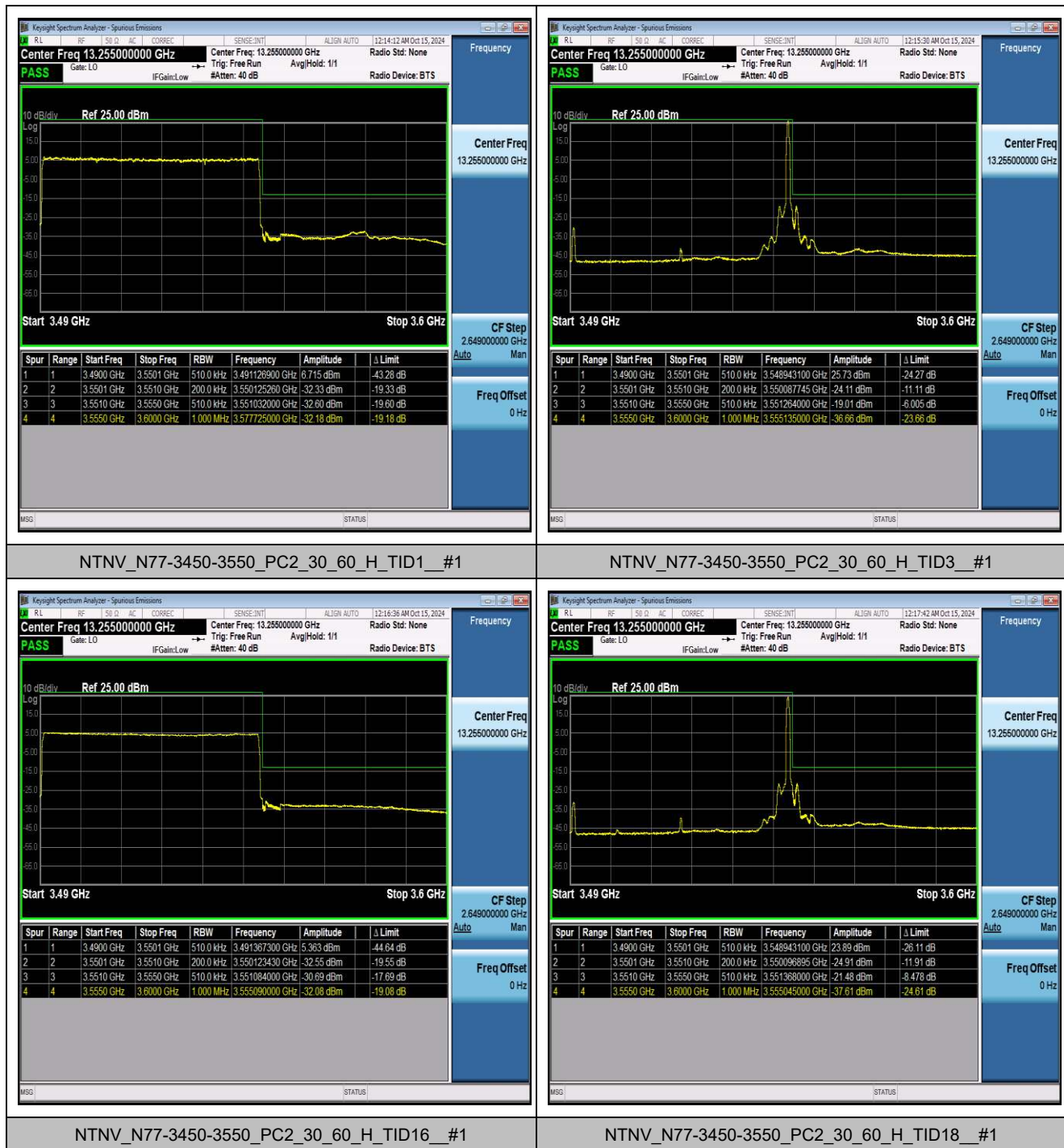


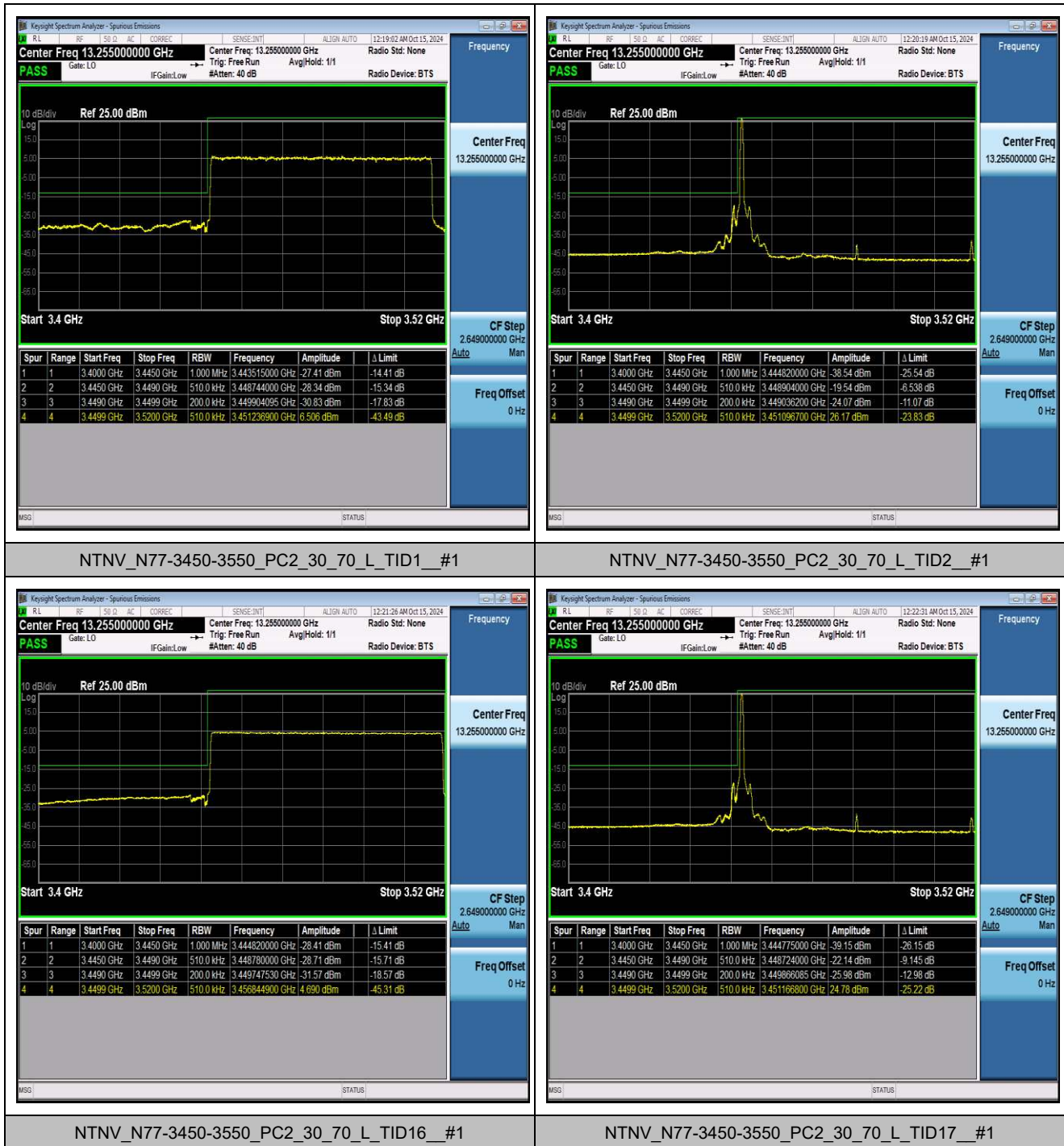


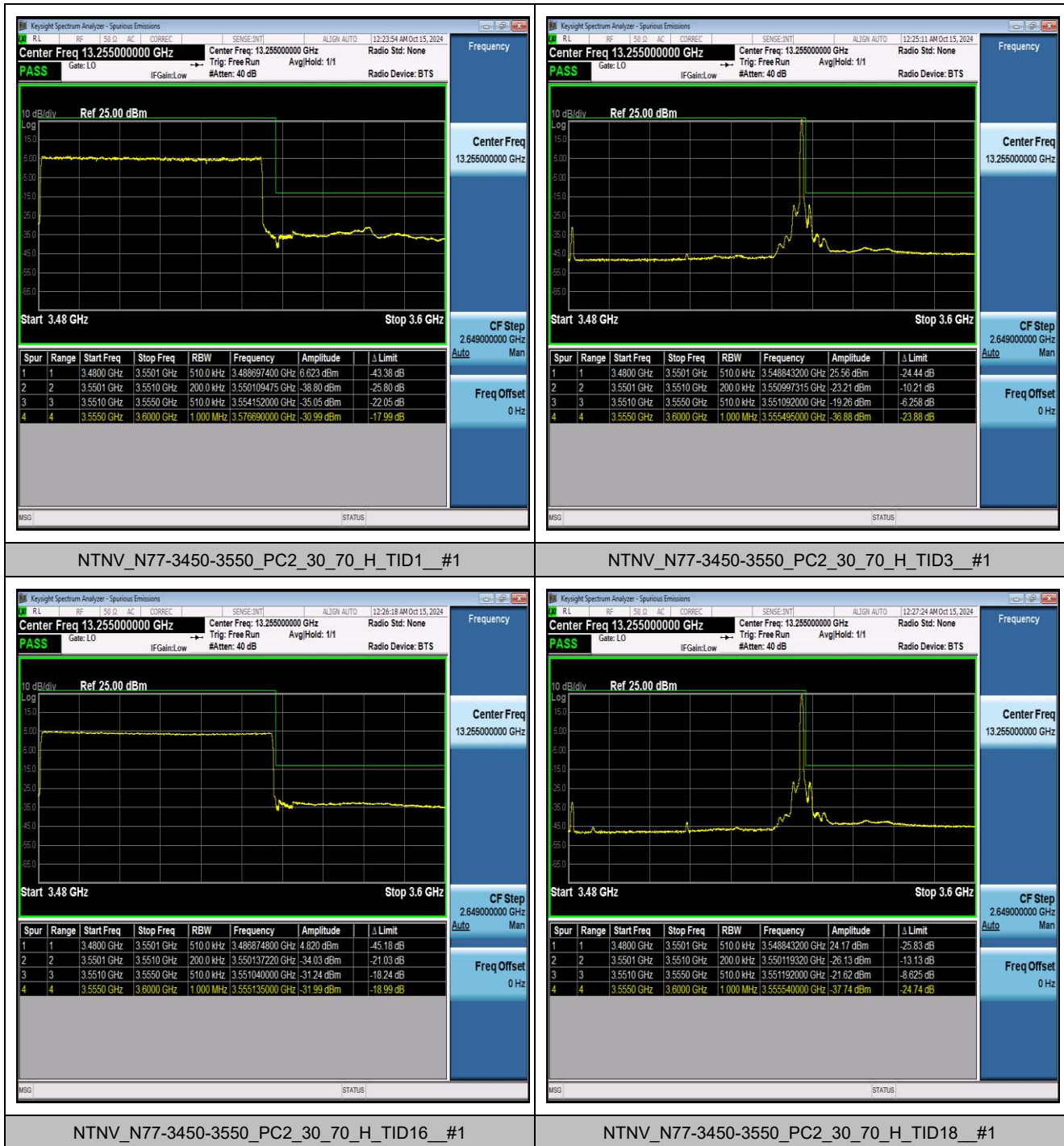


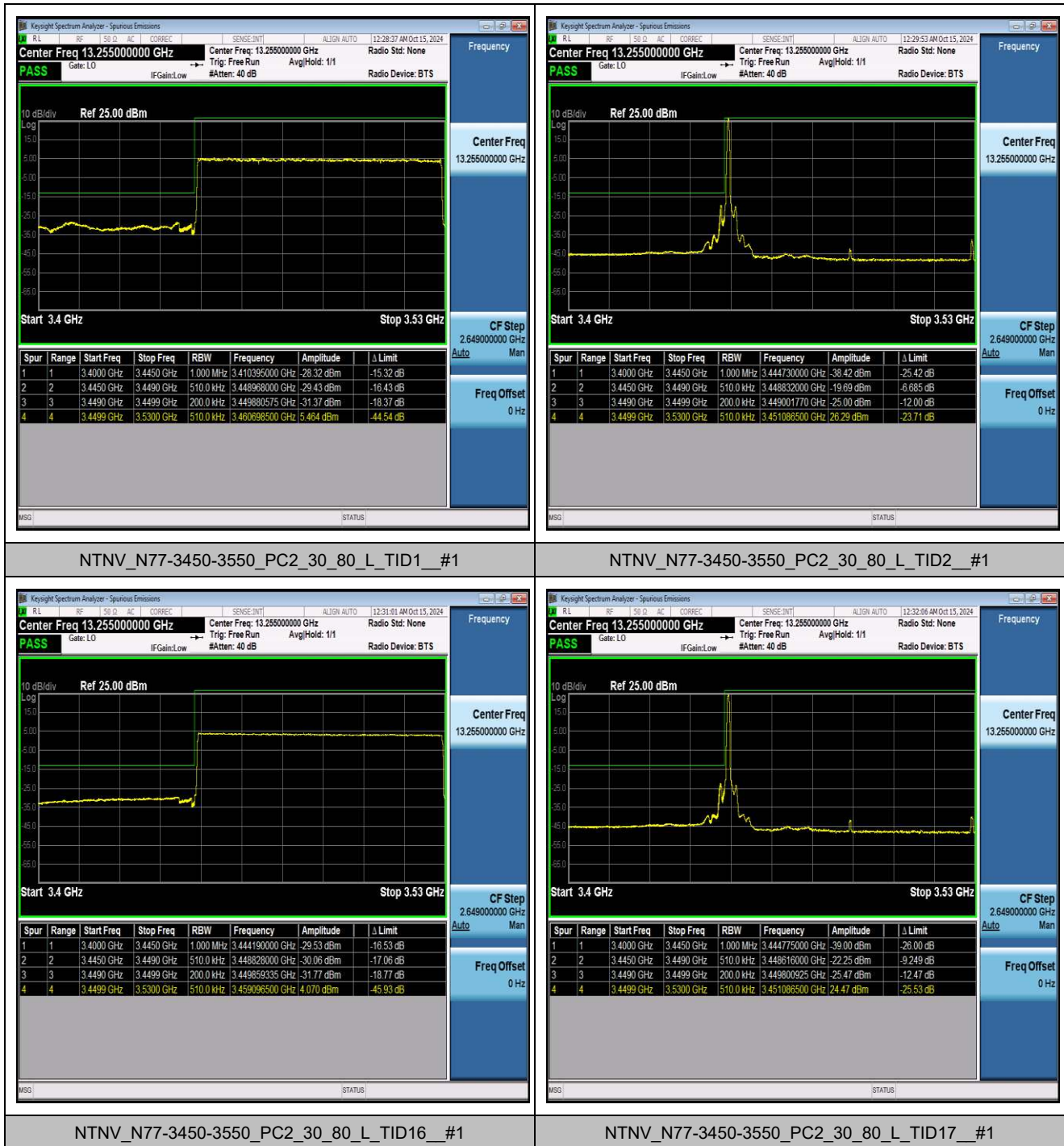




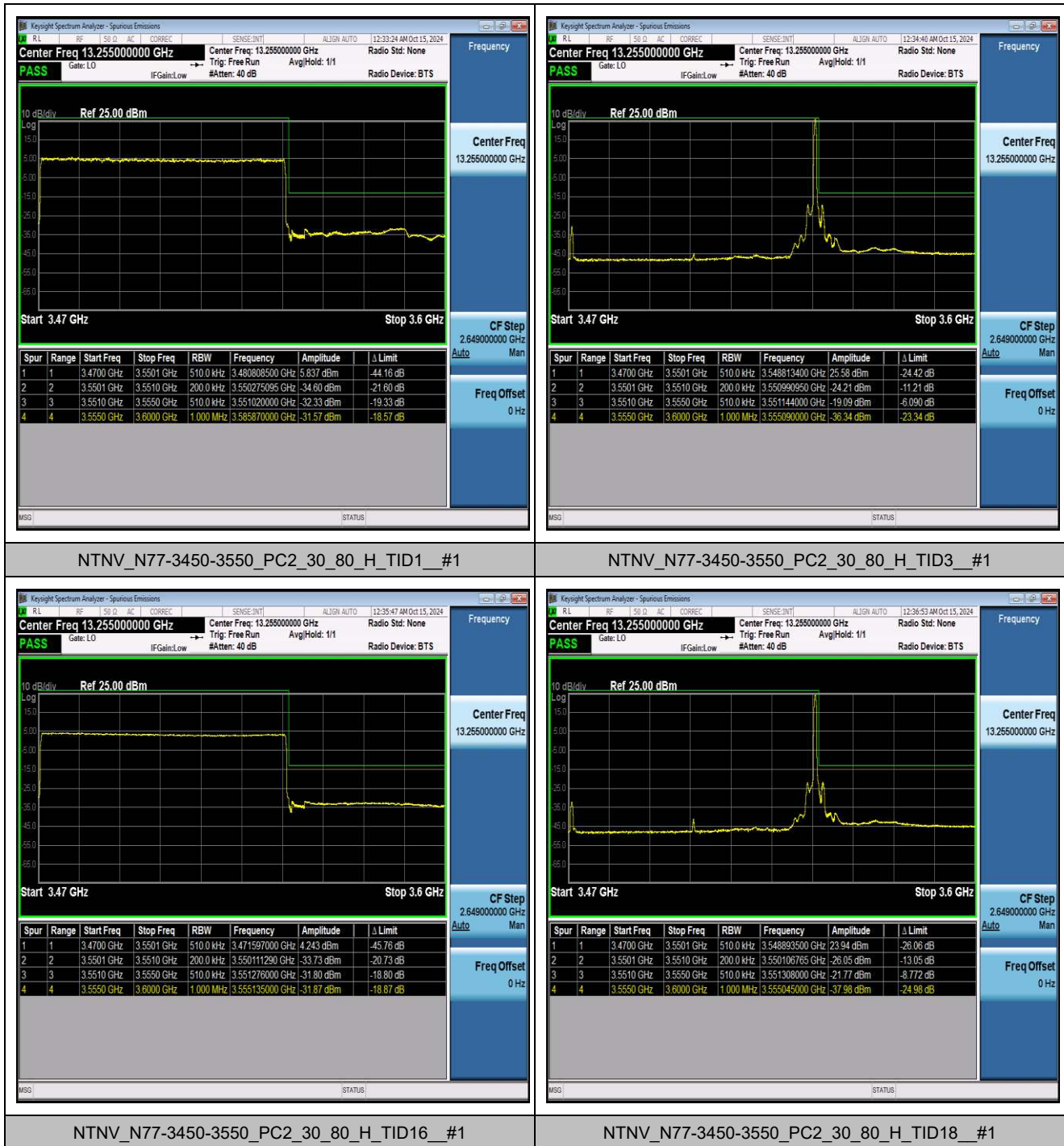


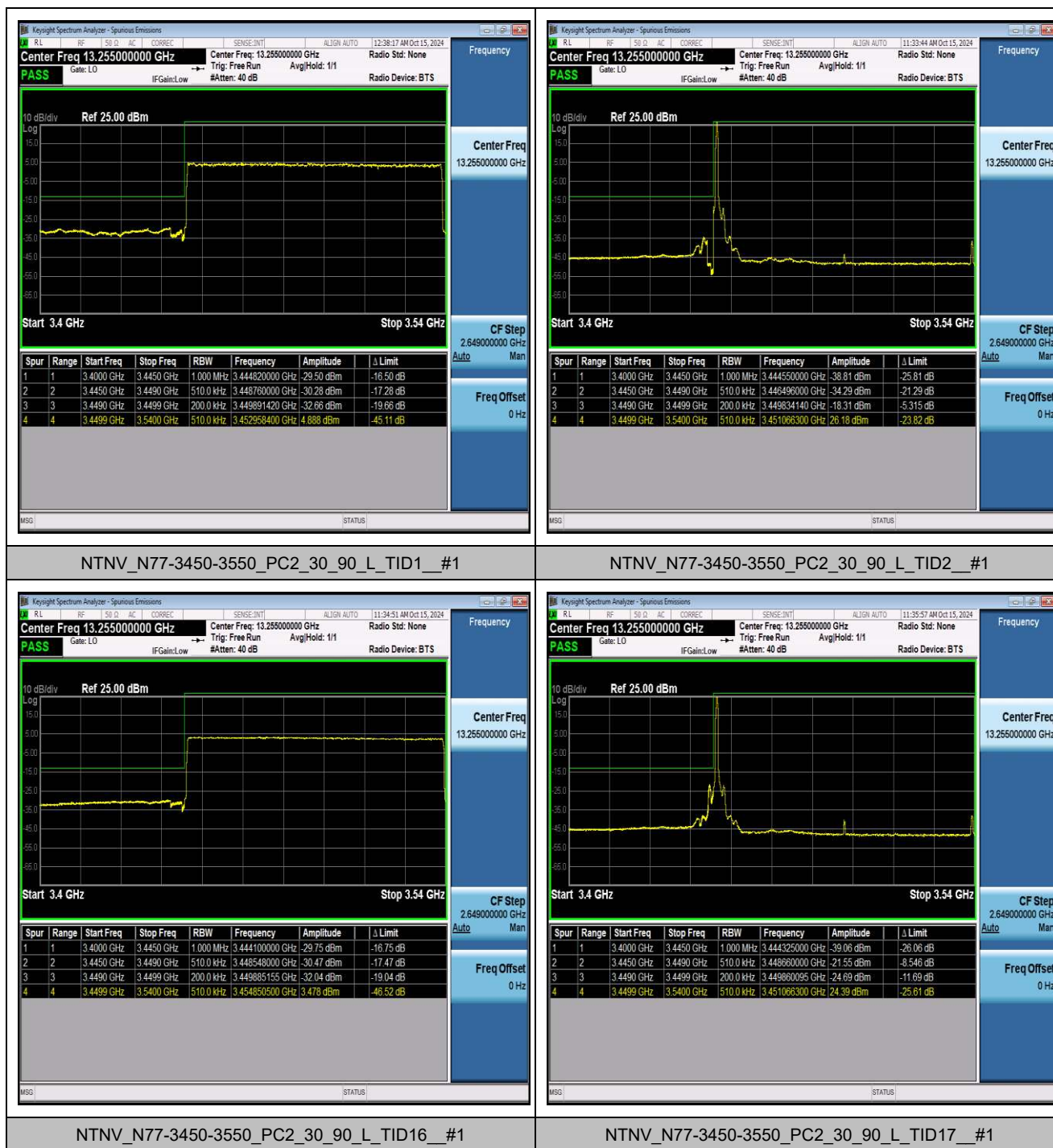


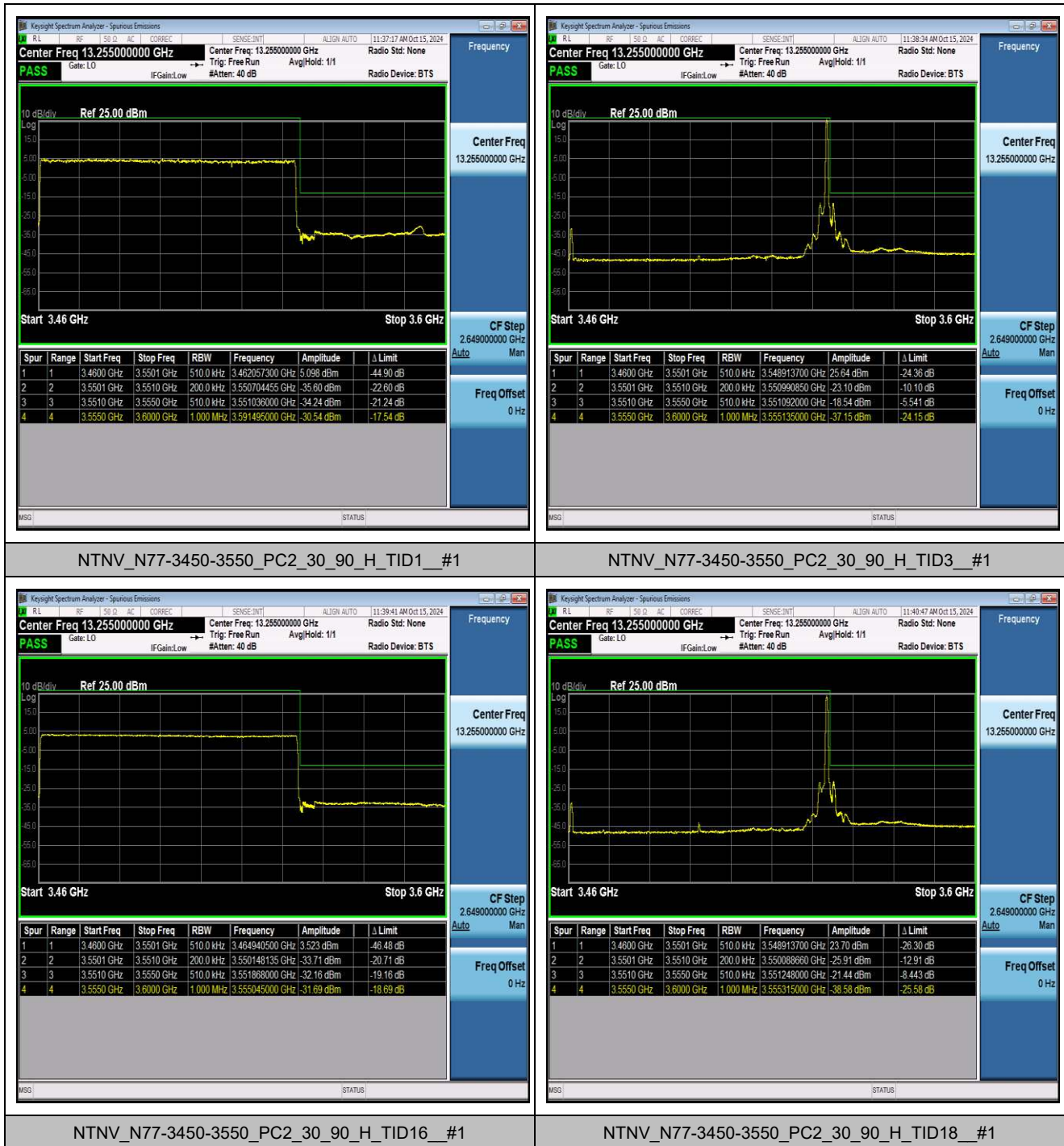






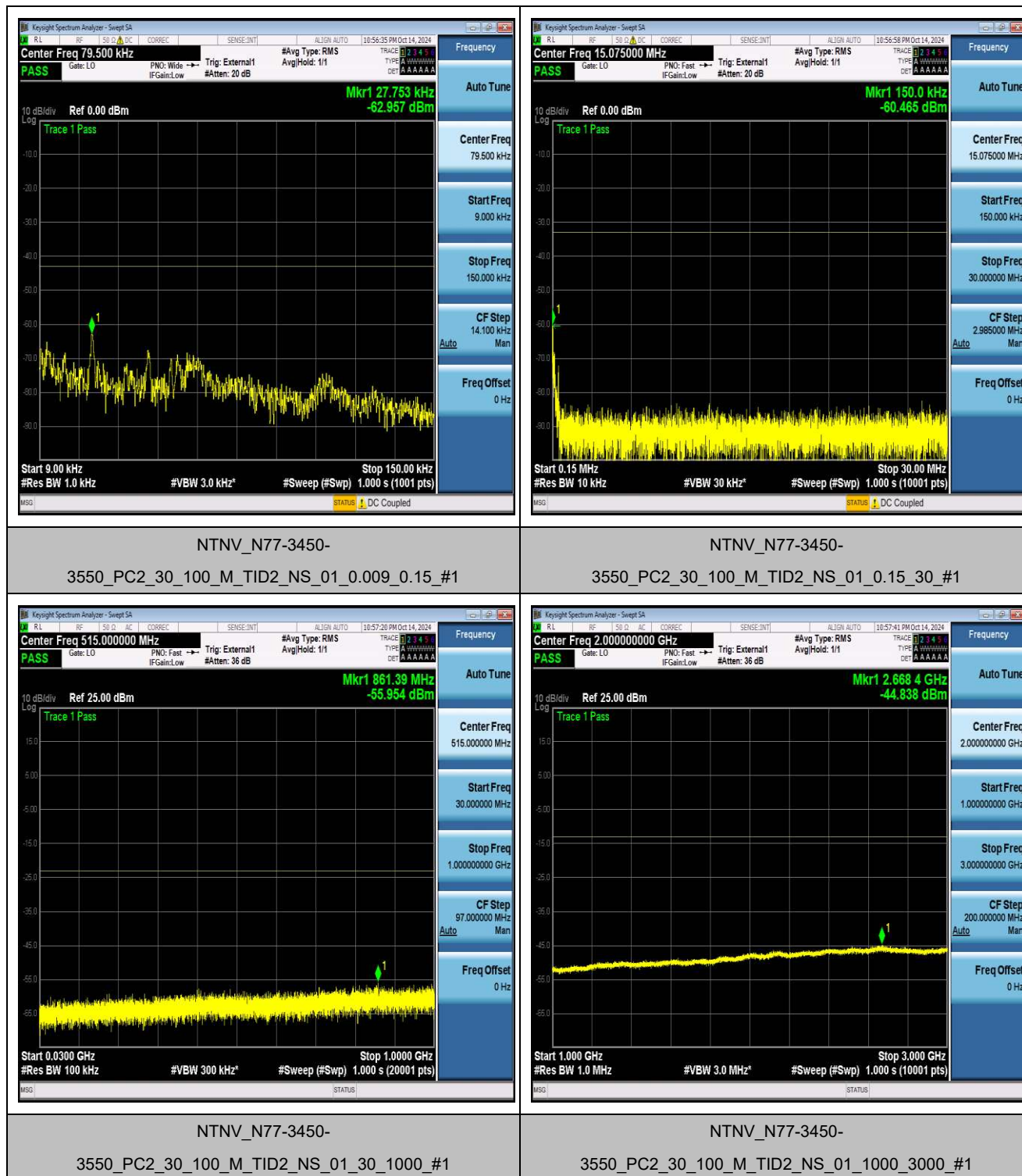


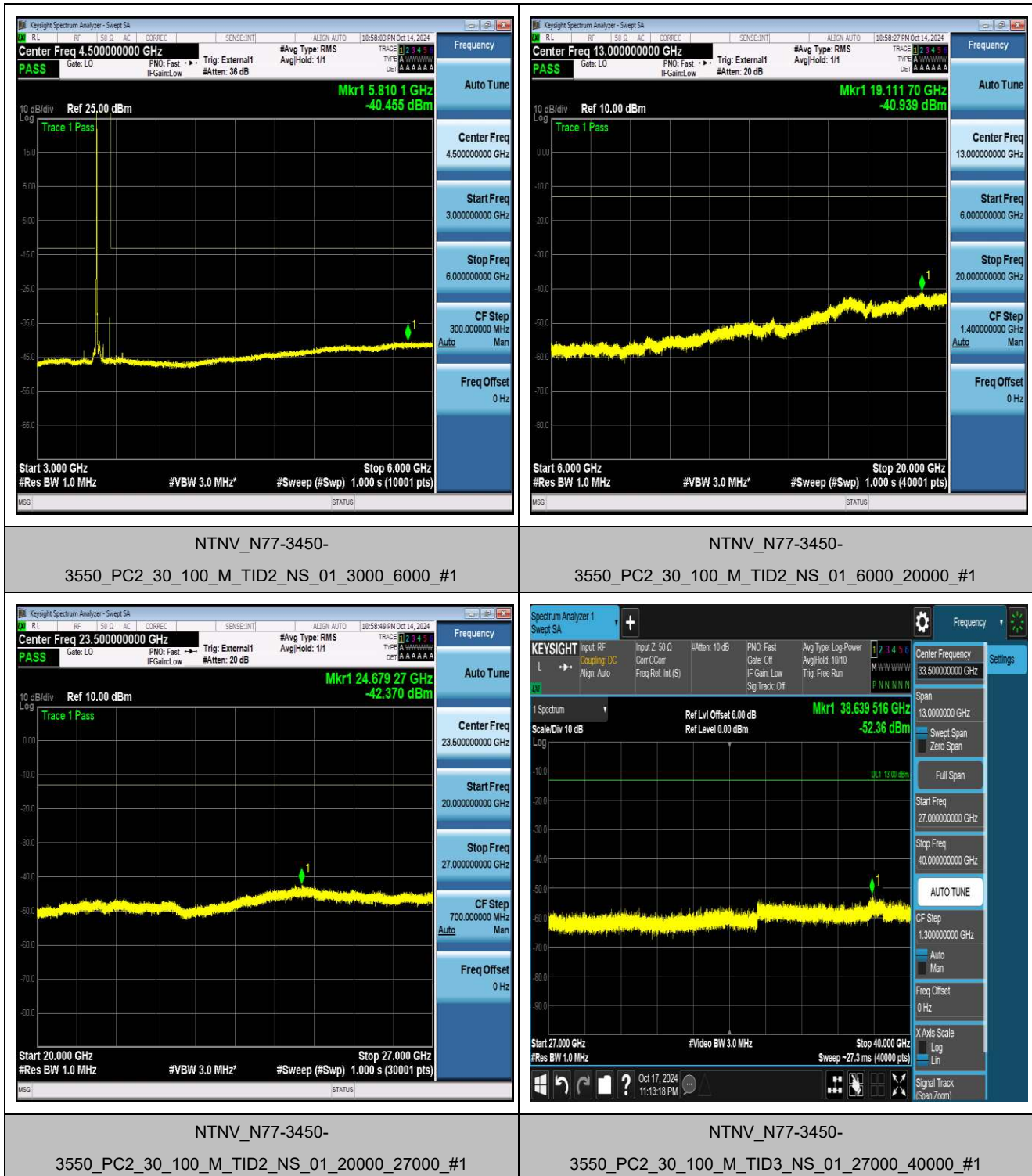




## Conducted Spurious Emission for SA

## Test Graphs







## Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

| Voltage       |     |           |             |         |            |         |             |                |                 |         |
|---------------|-----|-----------|-------------|---------|------------|---------|-------------|----------------|-----------------|---------|
| Band          | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temperature | Deviation (Hz) | Deviation (ppm) | Verdict |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | VL      | NT          | -6.000000      | -0.001714       | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | VN      | NT          | -13.900000     | -0.003970       | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | VH      | NT          | -19.300000     | -0.005514       | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | VL      | NT          | -13.000000     | -0.003714       | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | VN      | NT          | 7.200000       | 0.002057        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | VH      | NT          | -7.400000      | -0.002114       | PASS    |

## Frequency Error VS. Temperature

| Temperature   |     |           |             |         |            |         |             |                |                 |         |
|---------------|-----|-----------|-------------|---------|------------|---------|-------------|----------------|-----------------|---------|
| Band          | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temperature | Deviation (Hz) | Deviation (ppm) | Verdict |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | -30         | 6.000000       | 0.001714        | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | -20         | 12.000000      | 0.003429        | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | -10         | 17.000000      | 0.004857        | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 0           | 11.000000      | 0.003143        | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 10          | 14.000000      | 0.004000        | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 20          | 7.000000       | 0.002000        | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 30          | 13.000000      | 0.003714        | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 40          | 6.000000       | 0.001714        | PASS    |
| N77-3450-3550 | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 50          | 12.000000      | 0.003429        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | -30         | 6.000000       | 0.001714        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | -20         | 18.000000      | 0.005143        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | -10         | 17.000000      | 0.004857        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 0           | 4.000000       | 0.001143        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 10          | 13.000000      | 0.003714        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 20          | 7.000000       | 0.002000        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 30          | 1.000000       | 0.000286        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 40          | 3.000000       | 0.000857        | PASS    |
| N77-3450-3550 | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 50          | 16.000000      | 0.004571        | PASS    |

~The End~