

# Appendix-B NR Band n26(814-824)

## Transmitter Conducted Power Output

### Test Result

| Condition | Band        | SCS | BW (MHz) | Channel | NR Mod      | RB Config       | Result | Limit (dBm) | Verdict |
|-----------|-------------|-----|----------|---------|-------------|-----------------|--------|-------------|---------|
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-PI2BPSK | Outer_Full      | 23.29  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-PI2BPSK | Inner_Full      | 24.33  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-PI2BPSK | Inner_1RB_Left  | 24.31  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-PI2BPSK | Inner_1RB_Right | 24.36  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-QPSK    | Outer_Full      | 23.47  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-QPSK    | Inner_Full      | 24.51  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-QPSK    | Inner_1RB_Left  | 24.43  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-QPSK    | Inner_1RB_Right | 24.54  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-16QAM   | Outer_Full      | 22.46  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-16QAM   | Inner_Full      | 23.50  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-16QAM   | Inner_1RB_Left  | 23.66  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-16QAM   | Inner_1RB_Right | 23.66  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-64QAM   | Outer_Full      | 22.06  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-64QAM   | Inner_Full      | 21.93  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-64QAM   | Inner_1RB_Left  | 22.15  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-64QAM   | Inner_1RB_Right | 22.07  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-256QAM  | Outer_Full      | 19.56  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-256QAM  | Inner_Full      | 19.46  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-256QAM  | Inner_1RB_Left  | 19.72  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | L       | DFT-256QAM  | Inner_1RB_Right | 19.85  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-PI2BPSK | Outer_Full      | 23.38  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-PI2BPSK | Inner_Full      | 24.43  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-PI2BPSK | Inner_1RB_Left  | 24.28  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-PI2BPSK | Inner_1RB_Right | 24.34  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-QPSK    | Outer_Full      | 23.53  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-QPSK    | Inner_Full      | 24.61  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-QPSK    | Inner_1RB_Left  | 24.50  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-QPSK    | Inner_1RB_Right | 24.46  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-16QAM   | Outer_Full      | 22.59  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-16QAM   | Inner_Full      | 23.51  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-16QAM   | Inner_1RB_Left  | 23.44  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-16QAM   | Inner_1RB_Right | 23.42  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-64QAM   | Outer_Full      | 22.11  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-64QAM   | Inner_Full      | 21.94  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-64QAM   | Inner_1RB_Left  | 22.20  | 50          | PASS    |
| NTNV      | N26-814-824 | 15  | 5        | M       | DFT-64QAM   | Inner_1RB_Right | 22.18  | 50          | PASS    |

|      |             |    |    |   |             |                 |       |    |      |
|------|-------------|----|----|---|-------------|-----------------|-------|----|------|
| NTNV | N26-814-824 | 15 | 5  | M | DFT-256QAM  | Outer_Full      | 20.1  | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | M | DFT-256QAM  | Inner_Full      | 19.91 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | M | DFT-256QAM  | Inner_1RB_Left  | 19.76 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | M | DFT-256QAM  | Inner_1RB_Right | 19.73 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-PI2BPSK | Outer_Full      | 23.30 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-PI2BPSK | Inner_Full      | 24.38 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-PI2BPSK | Inner_1RB_Left  | 24.36 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-PI2BPSK | Inner_1RB_Right | 24.23 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-QPSK    | Outer_Full      | 23.51 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-QPSK    | Inner_Full      | 24.52 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-QPSK    | Inner_1RB_Left  | 24.51 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-QPSK    | Inner_1RB_Right | 24.34 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-16QAM   | Outer_Full      | 22.50 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-16QAM   | Inner_Full      | 23.47 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-16QAM   | Inner_1RB_Left  | 23.73 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-16QAM   | Inner_1RB_Right | 23.58 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-64QAM   | Outer_Full      | 22.09 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-64QAM   | Inner_Full      | 21.95 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-64QAM   | Inner_1RB_Left  | 22.24 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-64QAM   | Inner_1RB_Right | 22.08 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-256QAM  | Outer_Full      | 20.05 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-256QAM  | Inner_Full      | 19.92 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-256QAM  | Inner_1RB_Left  | 19.61 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 5  | H | DFT-256QAM  | Inner_1RB_Right | 19.63 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-PI2BPSK | Outer_Full      | 24.12 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-PI2BPSK | Inner_Full      | 24.55 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-PI2BPSK | Inner_1RB_Left  | 24.67 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-PI2BPSK | Inner_1RB_Right | 24.70 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-QPSK    | Outer_Full      | 23.54 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-QPSK    | Inner_Full      | 24.51 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-QPSK    | Inner_1RB_Left  | 24.59 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-QPSK    | Inner_1RB_Right | 24.66 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-16QAM   | Outer_Full      | 22.62 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-16QAM   | Inner_Full      | 23.58 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-16QAM   | Inner_1RB_Left  | 23.69 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-16QAM   | Inner_1RB_Right | 23.74 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-64QAM   | Outer_Full      | 22.09 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-64QAM   | Inner_Full      | 22.09 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-64QAM   | Inner_1RB_Left  | 22.31 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-64QAM   | Inner_1RB_Right | 22.36 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-256QAM  | Outer_Full      | 20.16 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-256QAM  | Inner_Full      | 20.13 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-256QAM  | Inner_1RB_Left  | 19.82 | 50 | PASS |
| NTNV | N26-814-824 | 15 | 10 | M | DFT-256QAM  | Inner_1RB_Right | 19.84 | 50 | PASS |

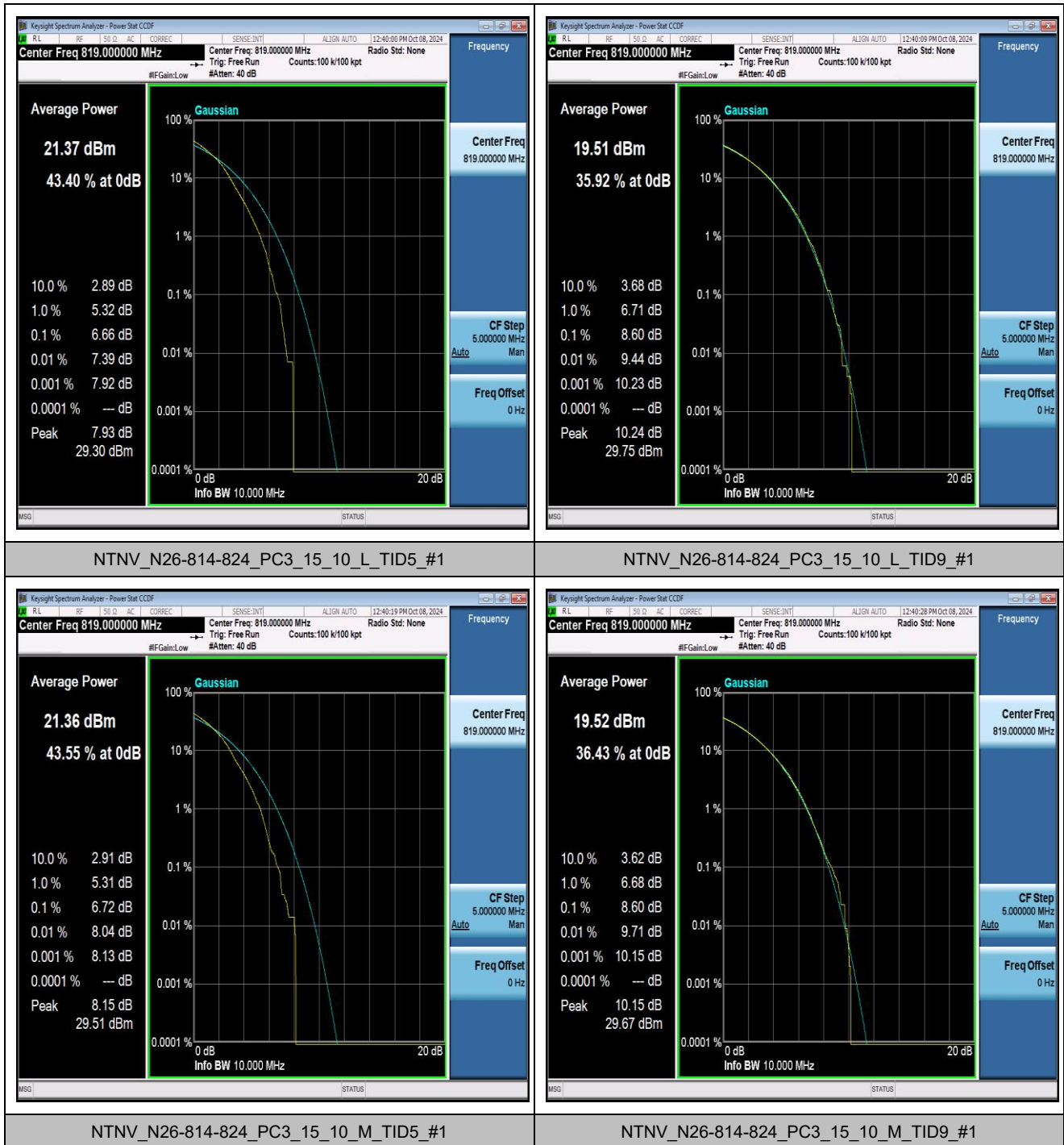
## Peak-to-Average Ratio for SA

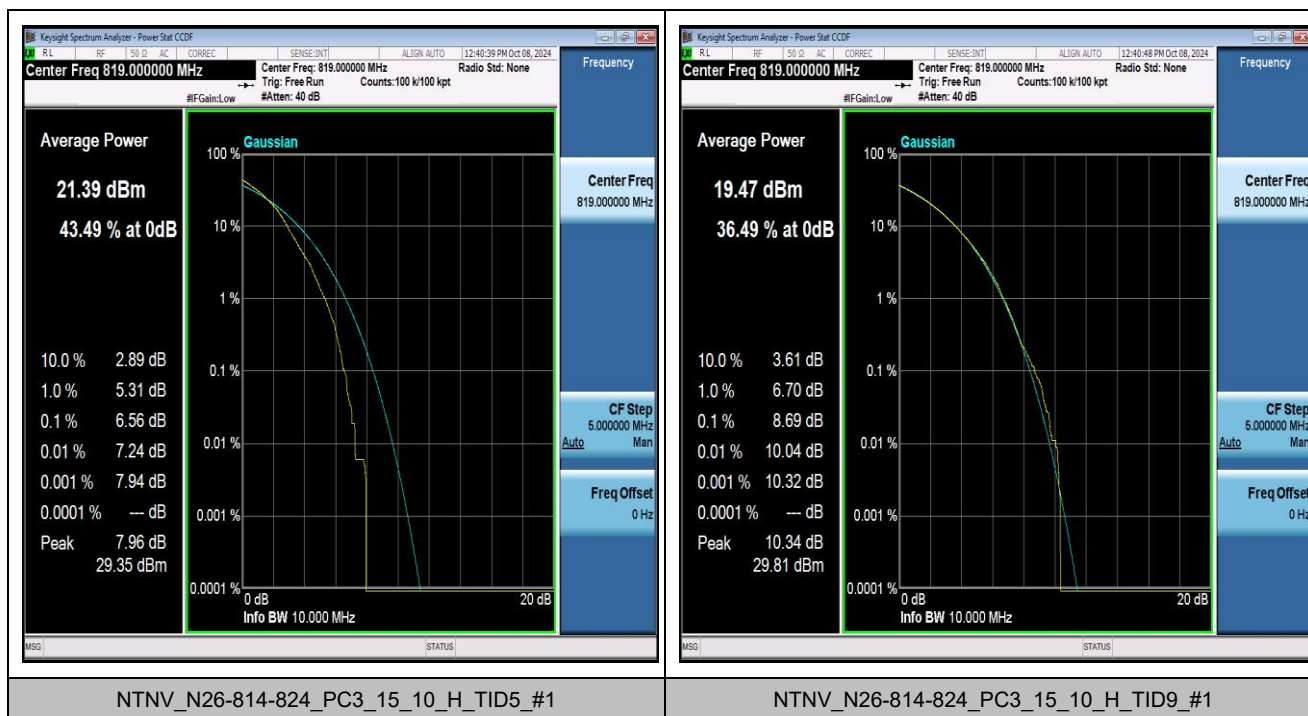
## Peak-to-Average Ratio(CCDF)

### Test Result

| Band        | SCS | Bandwidth | Modulation | Channel | RB Config  | Result | Limit | Verdict |
|-------------|-----|-----------|------------|---------|------------|--------|-------|---------|
| N26-814-824 | 15  | 10        | DFT-256QAM | L       | Outer_Full | 6.66   | ≤13   | PASS    |
| N26-814-824 | 15  | 10        | CP-256QAM  | L       | Outer_Full | 8.60   | ≤13   | PASS    |
| N26-814-824 | 15  | 10        | DFT-256QAM | M       | Outer_Full | 6.72   | ≤13   | PASS    |
| N26-814-824 | 15  | 10        | CP-256QAM  | M       | Outer_Full | 8.60   | ≤13   | PASS    |
| N26-814-824 | 15  | 10        | DFT-256QAM | H       | Outer_Full | 6.56   | ≤13   | PASS    |
| N26-814-824 | 15  | 10        | CP-256QAM  | H       | Outer_Full | 8.69   | ≤13   | PASS    |

## Test Graphs



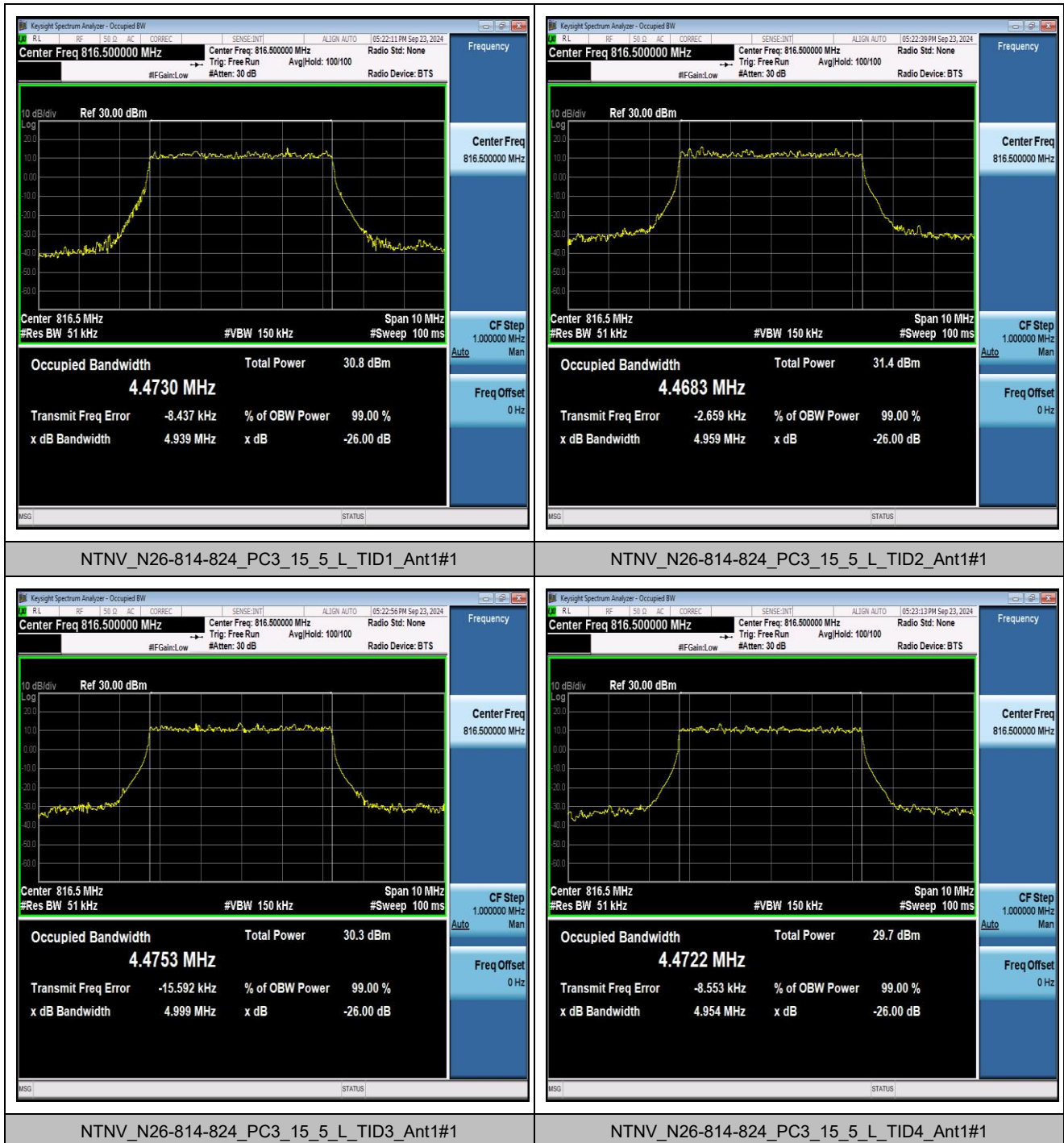


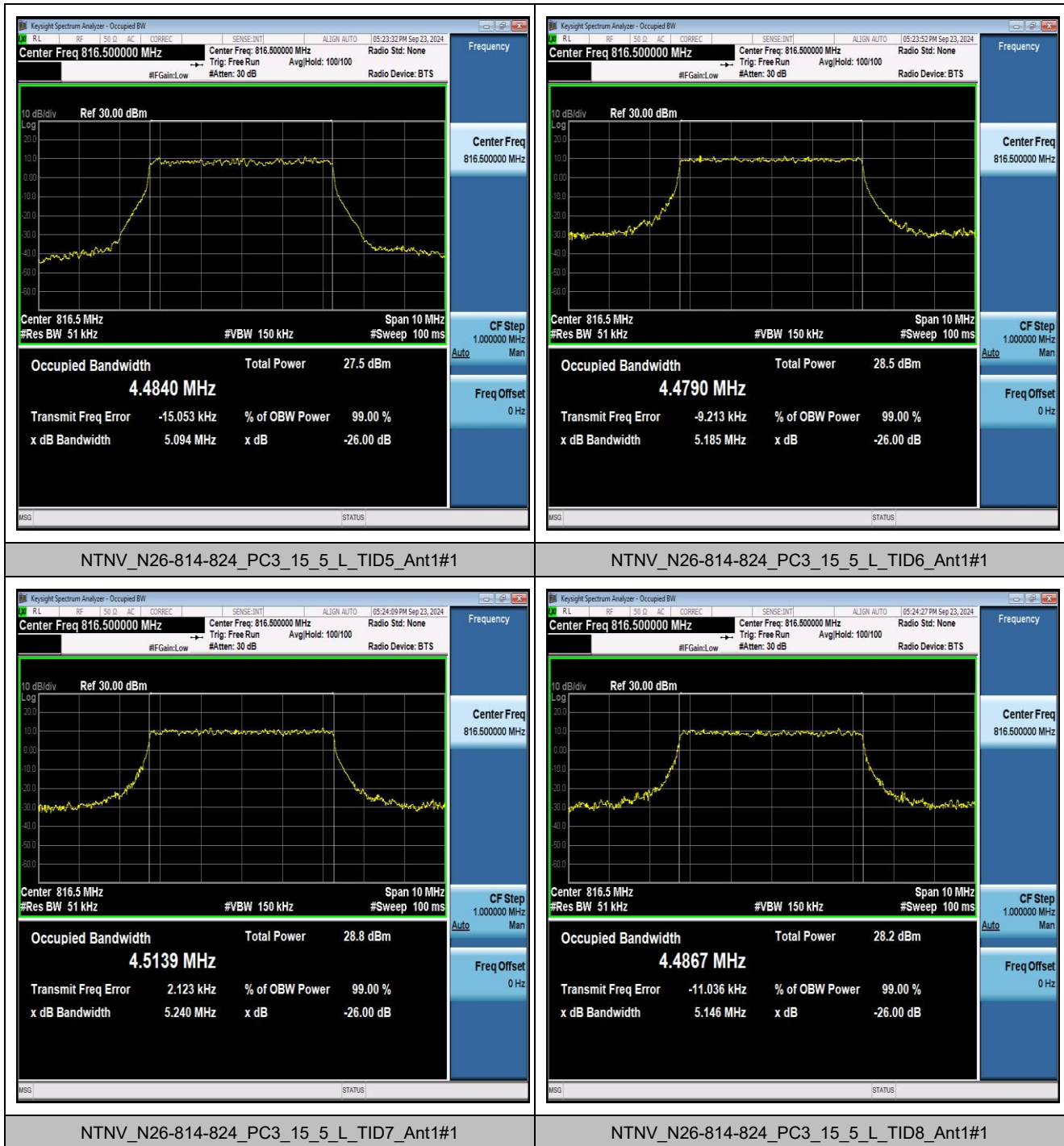
## 26dB Bandwidth and Occupied Bandwidth for SA

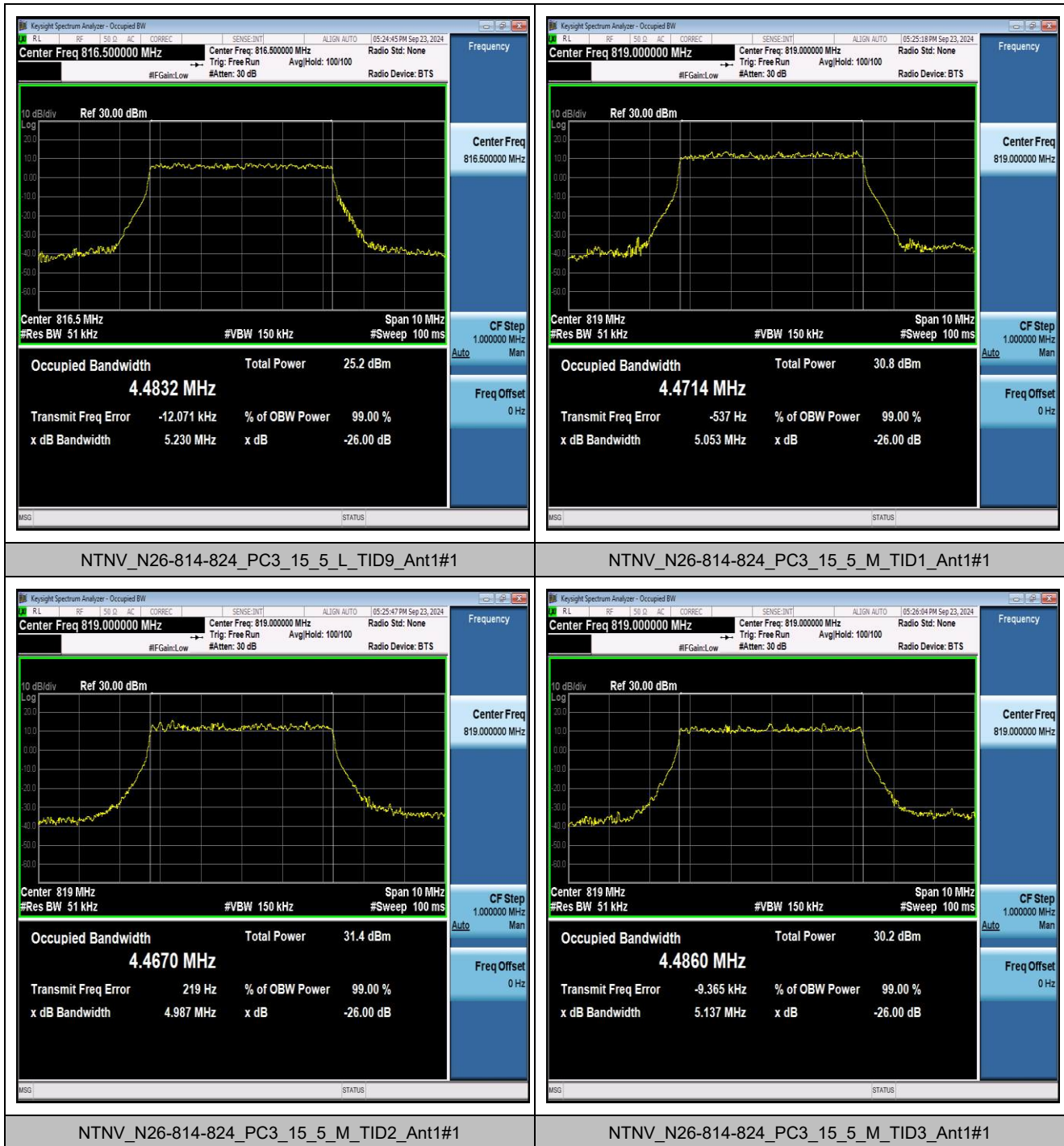
### Test Result

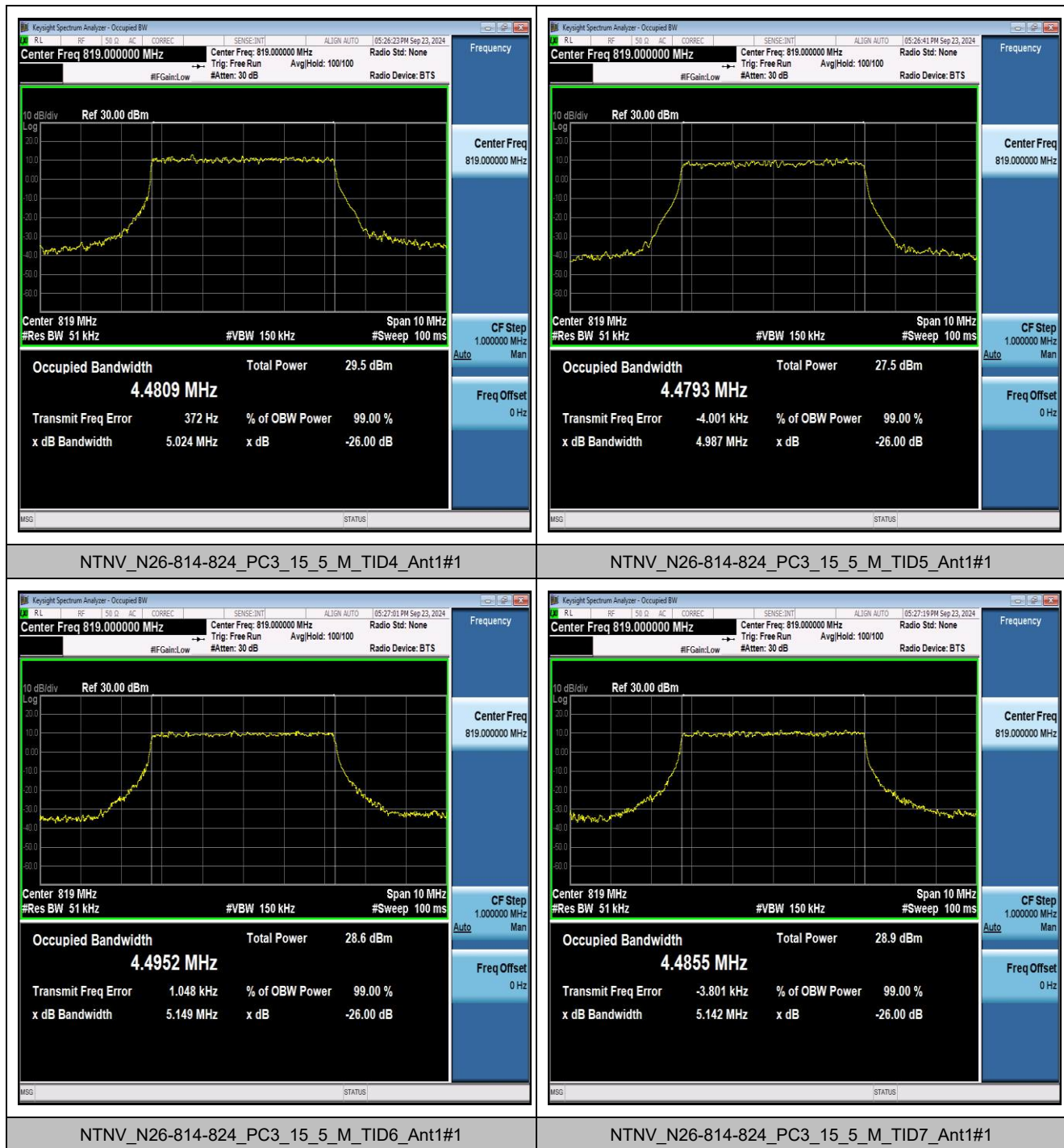
| Band        | SCS | Bandwidth | Modulation  | Channel | RB Config  | Result (99%) | Result (26dB) | Verdict |
|-------------|-----|-----------|-------------|---------|------------|--------------|---------------|---------|
| N26-814-824 | 15  | 5         | DFT-PI2BPSK | L       | Outer_Full | 4.4730       | 4.939         | PASS    |
| N26-814-824 | 15  | 5         | DFT-QPSK    | L       | Outer_Full | 4.4683       | 4.959         | PASS    |
| N26-814-824 | 15  | 5         | DFT-16QAM   | L       | Outer_Full | 4.4753       | 4.999         | PASS    |
| N26-814-824 | 15  | 5         | DFT-64QAM   | L       | Outer_Full | 4.4722       | 4.954         | PASS    |
| N26-814-824 | 15  | 5         | DFT-256QAM  | L       | Outer_Full | 4.4840       | 5.094         | PASS    |
| N26-814-824 | 15  | 5         | CP-QPSK     | L       | Outer_Full | 4.4790       | 5.185         | PASS    |
| N26-814-824 | 15  | 5         | CP-16QAM    | L       | Outer_Full | 4.5139       | 5.240         | PASS    |
| N26-814-824 | 15  | 5         | CP-64QAM    | L       | Outer_Full | 4.4867       | 5.146         | PASS    |
| N26-814-824 | 15  | 5         | CP-256QAM   | L       | Outer_Full | 4.4832       | 5.230         | PASS    |
| N26-814-824 | 15  | 5         | DFT-PI2BPSK | M       | Outer_Full | 4.4714       | 5.053         | PASS    |
| N26-814-824 | 15  | 5         | DFT-QPSK    | M       | Outer_Full | 4.4670       | 4.987         | PASS    |
| N26-814-824 | 15  | 5         | DFT-16QAM   | M       | Outer_Full | 4.4860       | 5.137         | PASS    |
| N26-814-824 | 15  | 5         | DFT-64QAM   | M       | Outer_Full | 4.4809       | 5.024         | PASS    |
| N26-814-824 | 15  | 5         | DFT-256QAM  | M       | Outer_Full | 4.4793       | 4.987         | PASS    |
| N26-814-824 | 15  | 5         | CP-QPSK     | M       | Outer_Full | 4.4952       | 5.149         | PASS    |
| N26-814-824 | 15  | 5         | CP-16QAM    | M       | Outer_Full | 4.4855       | 5.142         | PASS    |
| N26-814-824 | 15  | 5         | CP-64QAM    | M       | Outer_Full | 4.4915       | 5.187         | PASS    |
| N26-814-824 | 15  | 5         | CP-256QAM   | M       | Outer_Full | 4.4815       | 5.135         | PASS    |
| N26-814-824 | 15  | 5         | DFT-PI2BPSK | H       | Outer_Full | 4.4678       | 5.134         | PASS    |
| N26-814-824 | 15  | 5         | DFT-QPSK    | H       | Outer_Full | 4.4527       | 4.887         | PASS    |
| N26-814-824 | 15  | 5         | DFT-16QAM   | H       | Outer_Full | 4.4802       | 5.048         | PASS    |
| N26-814-824 | 15  | 5         | DFT-64QAM   | H       | Outer_Full | 4.4633       | 4.949         | PASS    |
| N26-814-824 | 15  | 5         | DFT-256QAM  | H       | Outer_Full | 4.4741       | 5.022         | PASS    |
| N26-814-824 | 15  | 5         | CP-QPSK     | H       | Outer_Full | 4.4688       | 5.148         | PASS    |
| N26-814-824 | 15  | 5         | CP-16QAM    | H       | Outer_Full | 4.5025       | 5.182         | PASS    |
| N26-814-824 | 15  | 5         | CP-64QAM    | H       | Outer_Full | 4.4822       | 5.103         | PASS    |
| N26-814-824 | 15  | 5         | CP-256QAM   | H       | Outer_Full | 4.4798       | 5.159         | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | 8.9176       | 9.611         | PASS    |
| N26-814-824 | 15  | 10        | DFT-QPSK    | M       | Outer_Full | 8.9273       | 9.709         | PASS    |
| N26-814-824 | 15  | 10        | DFT-16QAM   | M       | Outer_Full | 8.9738       | 9.717         | PASS    |
| N26-814-824 | 15  | 10        | DFT-64QAM   | M       | Outer_Full | 8.9427       | 9.647         | PASS    |
| N26-814-824 | 15  | 10        | DFT-256QAM  | M       | Outer_Full | 8.9394       | 9.580         | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | 9.3022       | 10.20         | PASS    |
| N26-814-824 | 15  | 10        | CP-16QAM    | M       | Outer_Full | 9.2914       | 10.13         | PASS    |
| N26-814-824 | 15  | 10        | CP-64QAM    | M       | Outer_Full | 9.2870       | 10.14         | PASS    |
| N26-814-824 | 15  | 10        | CP-256QAM   | M       | Outer_Full | 9.3172       | 10.07         | PASS    |

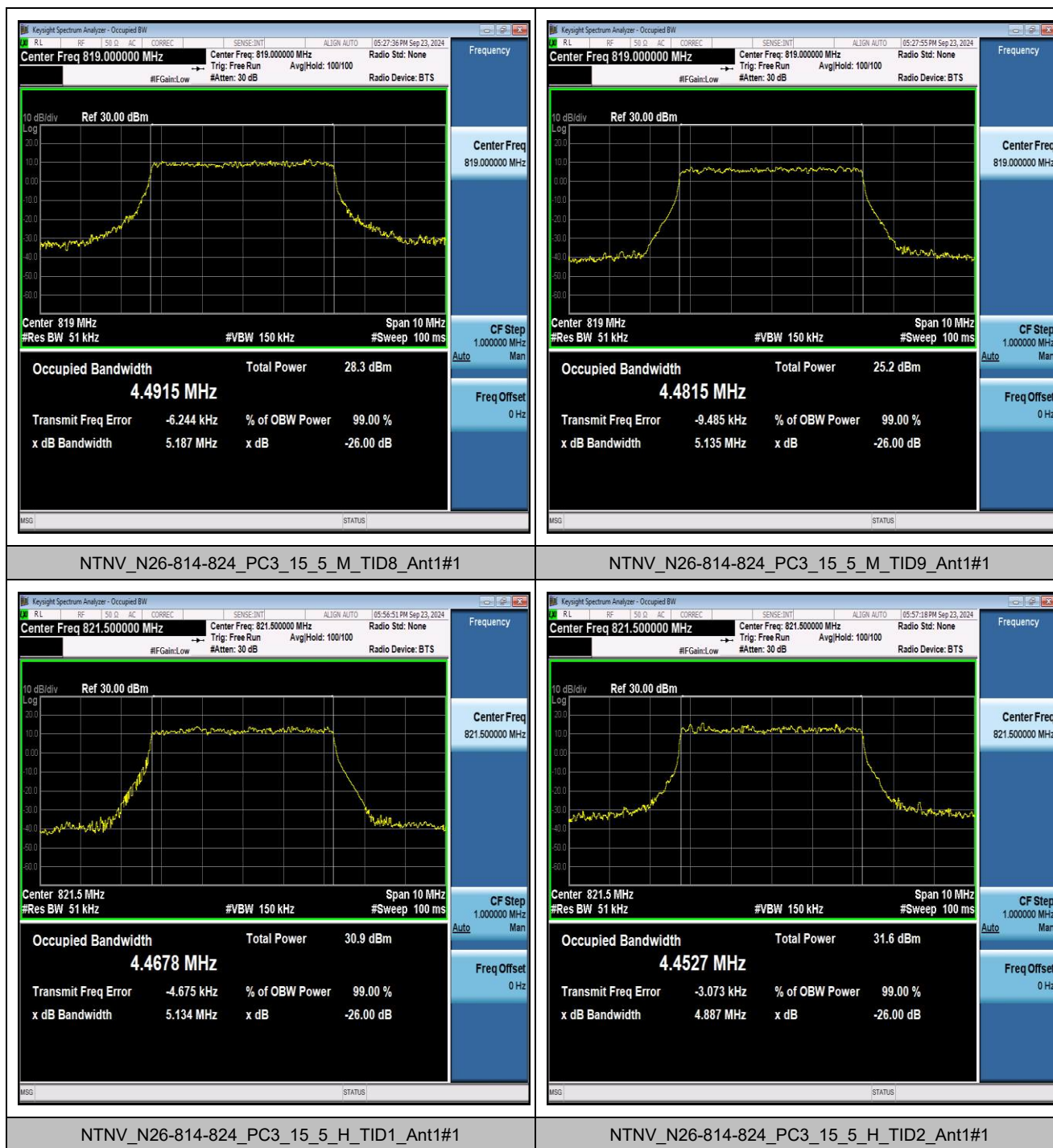
## Test Graphs

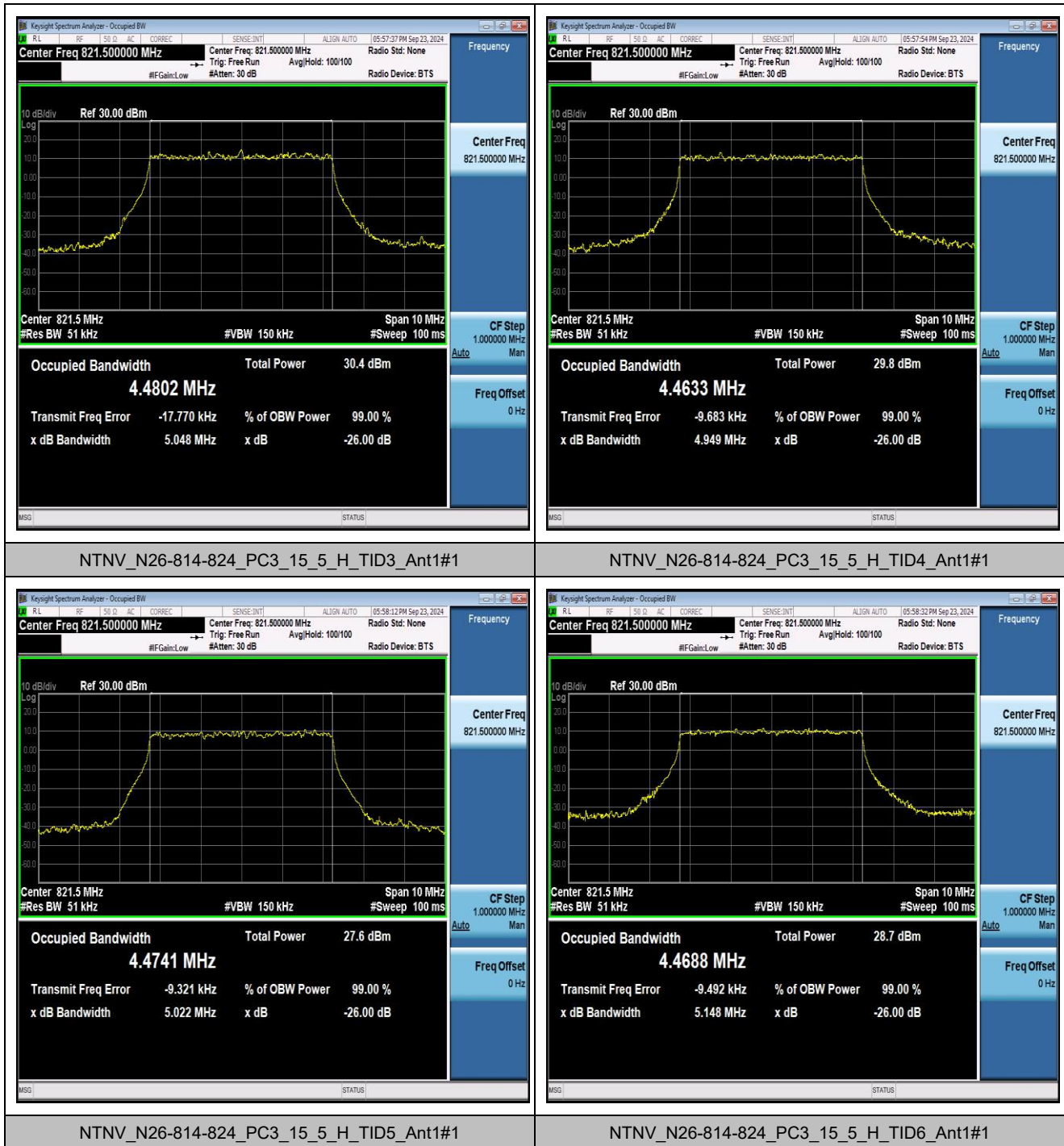


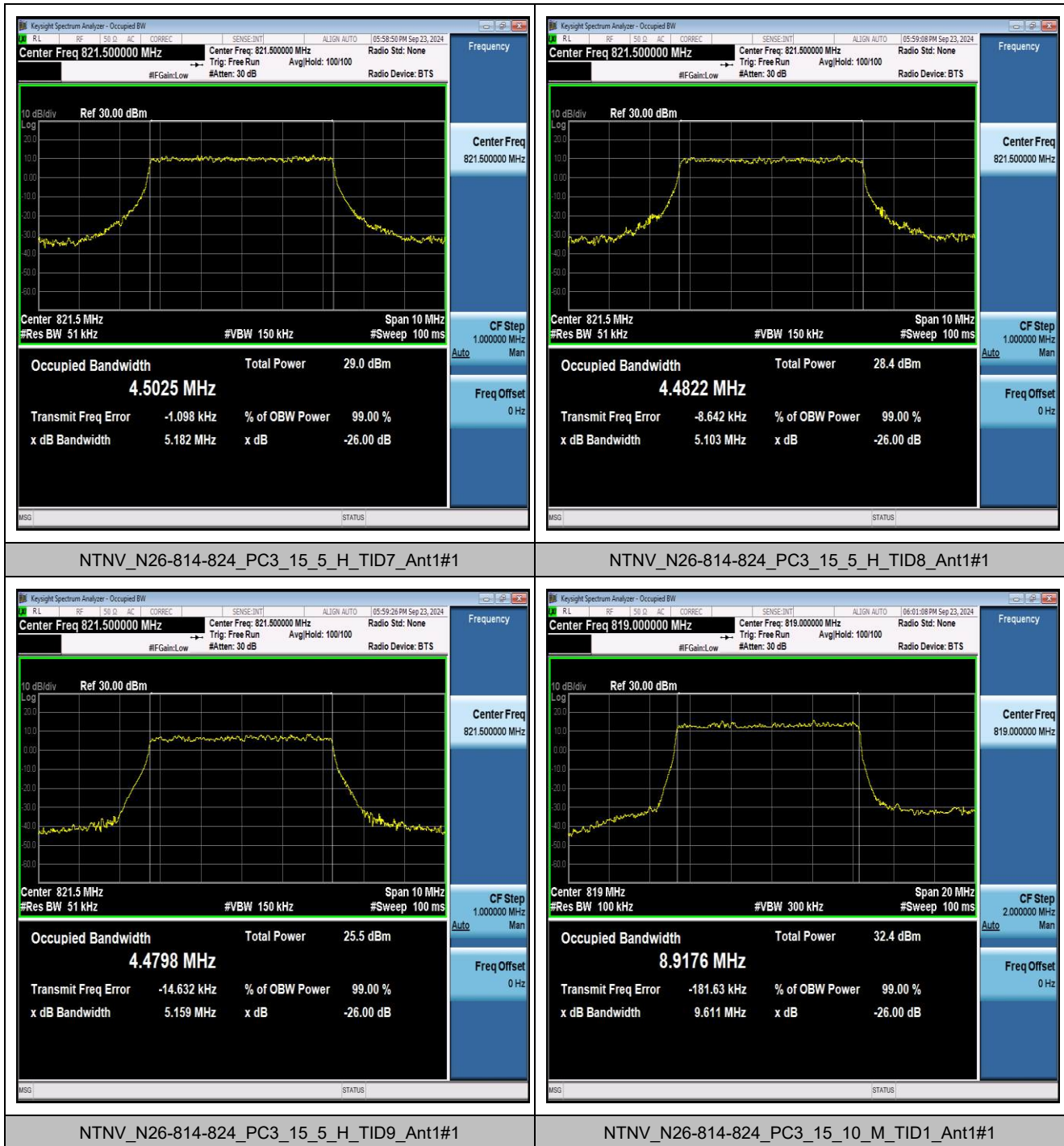


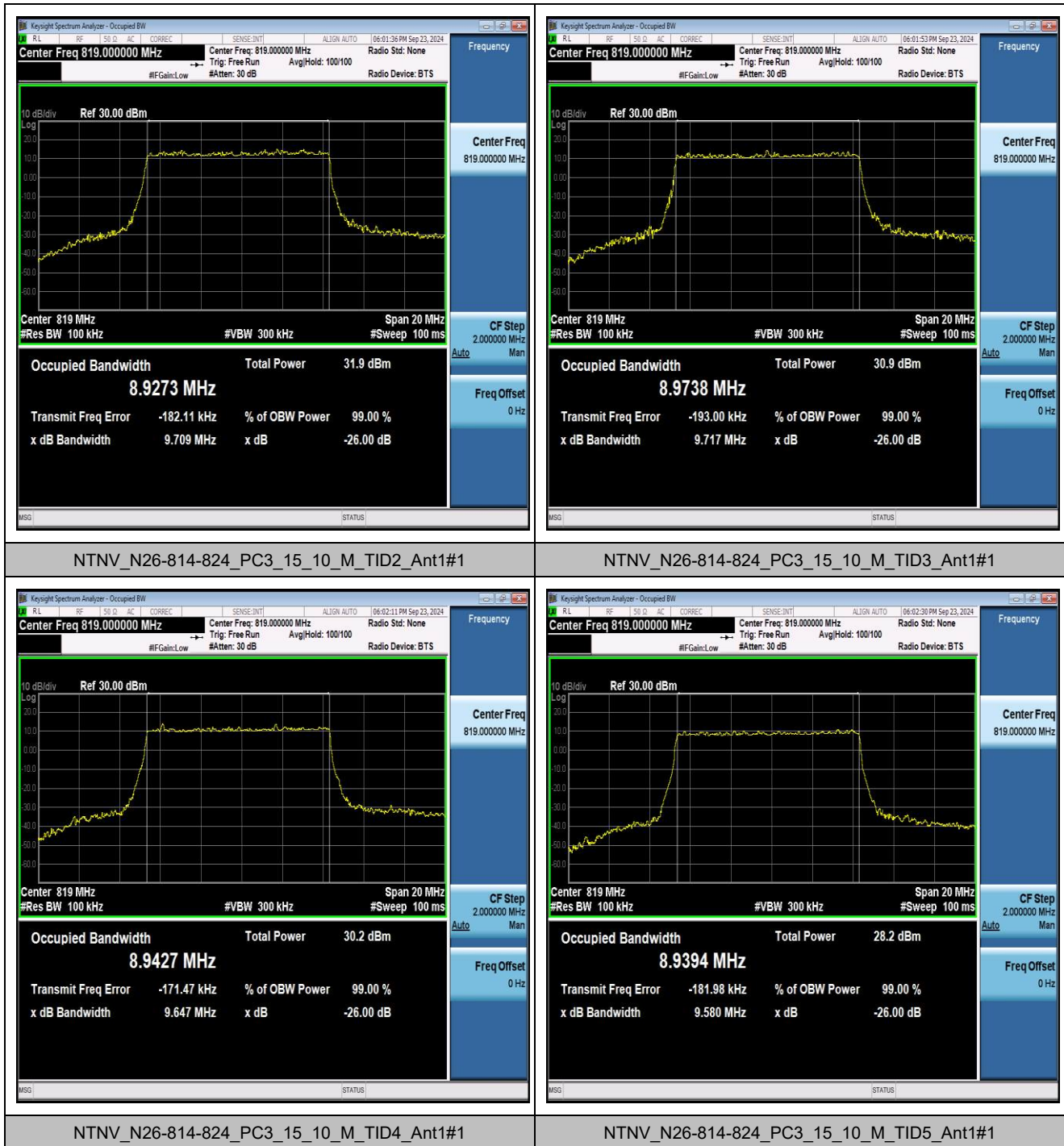


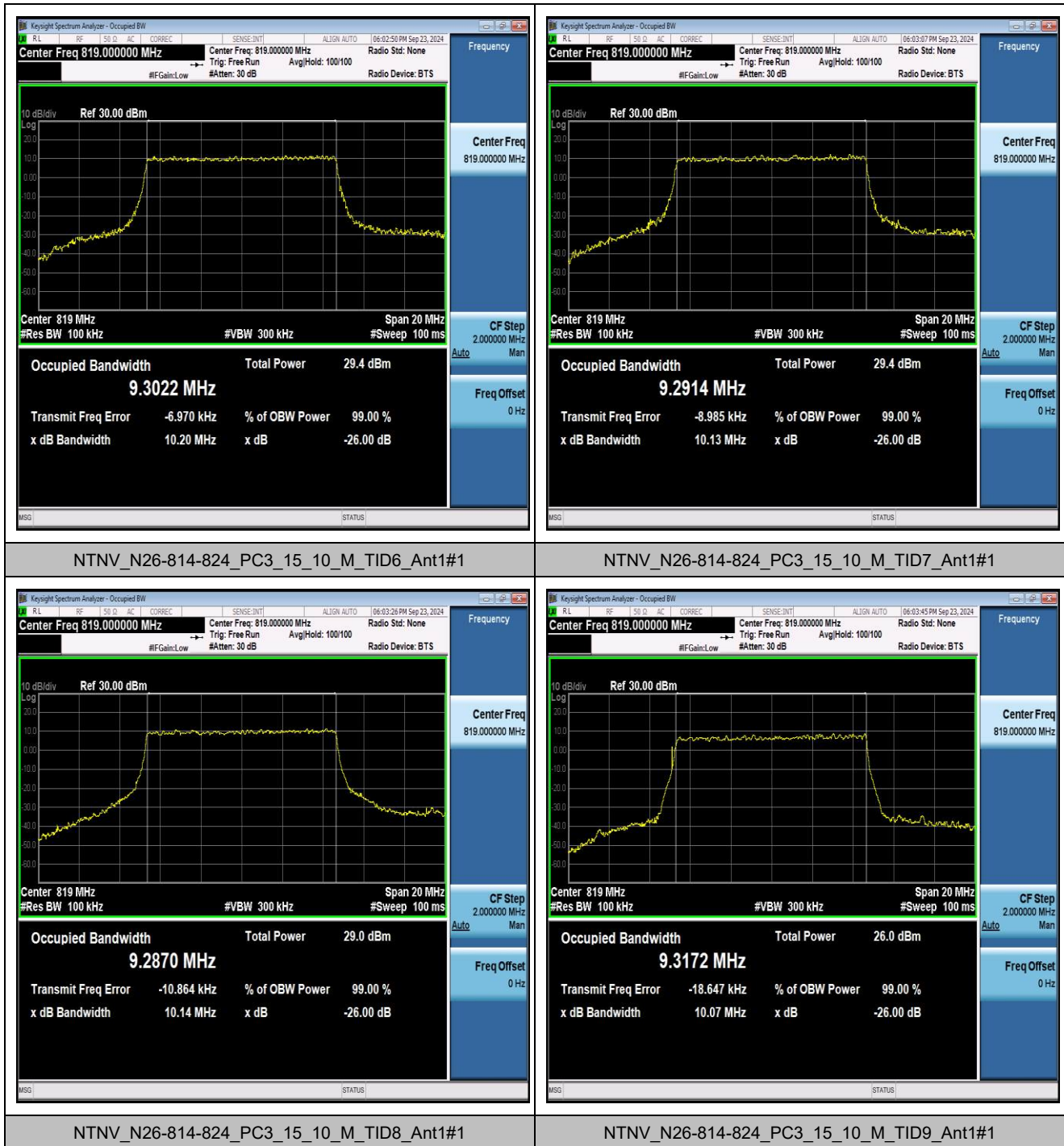






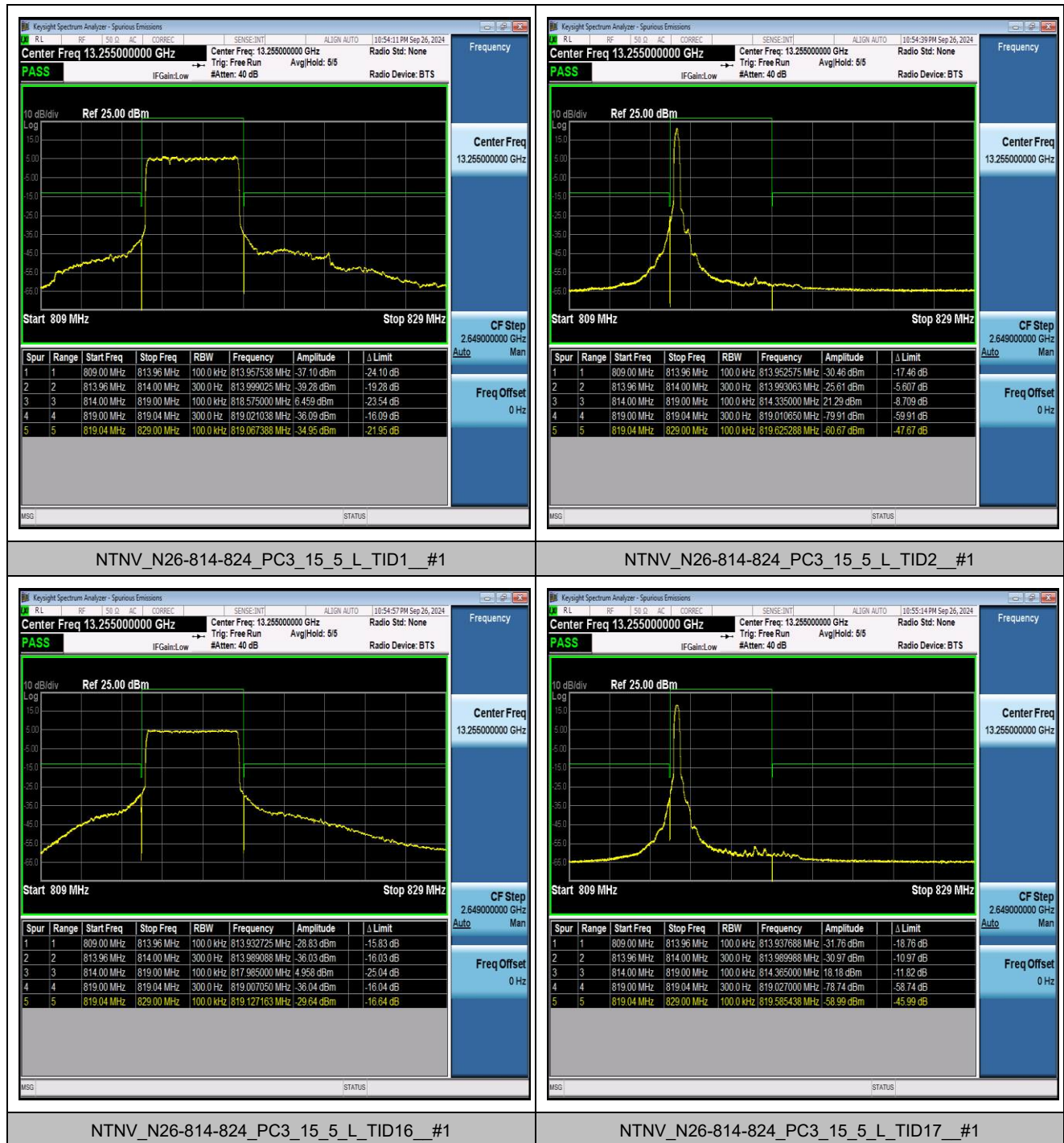


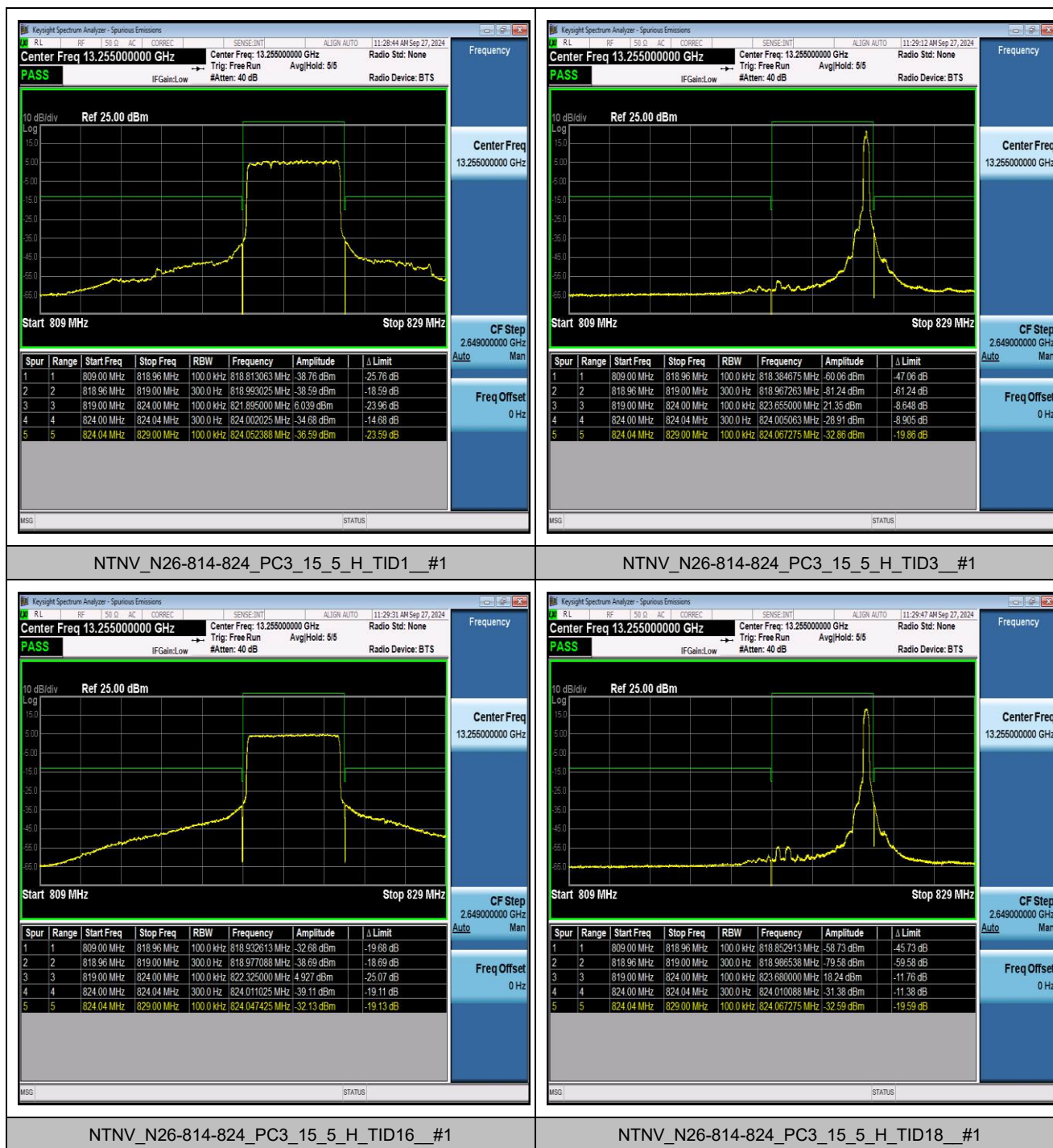


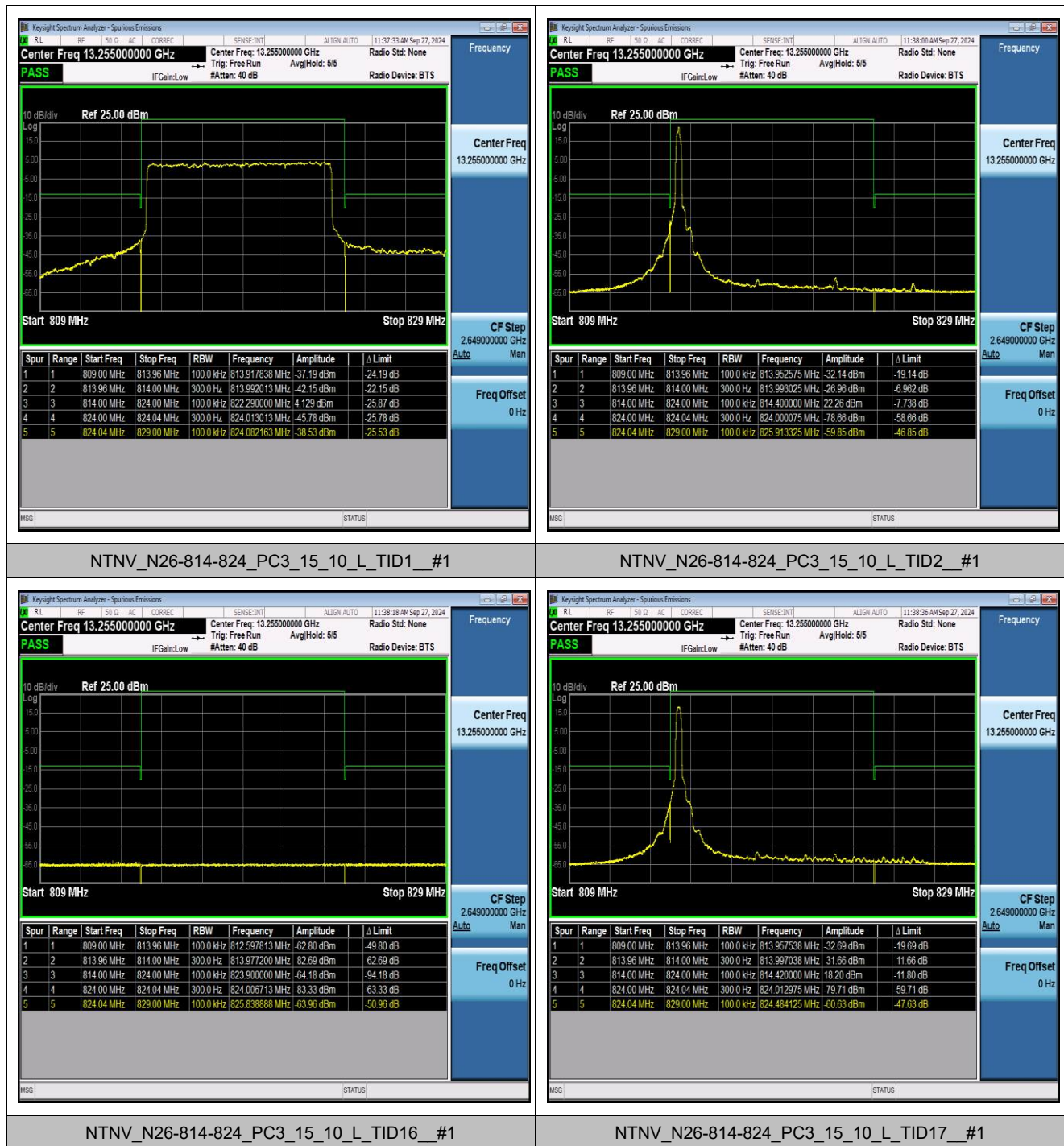


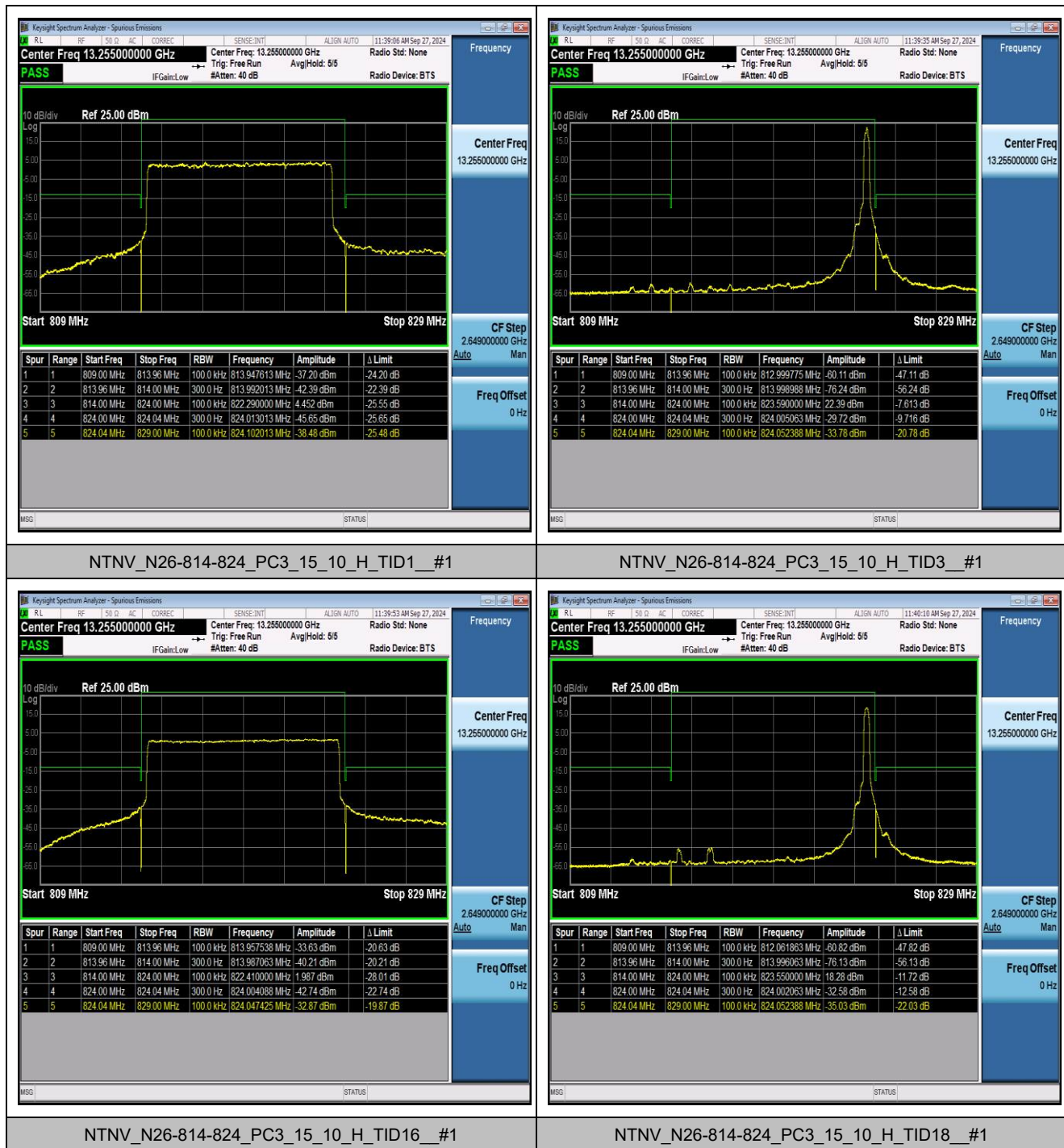
## Band Edge for SA

## Test Graphs



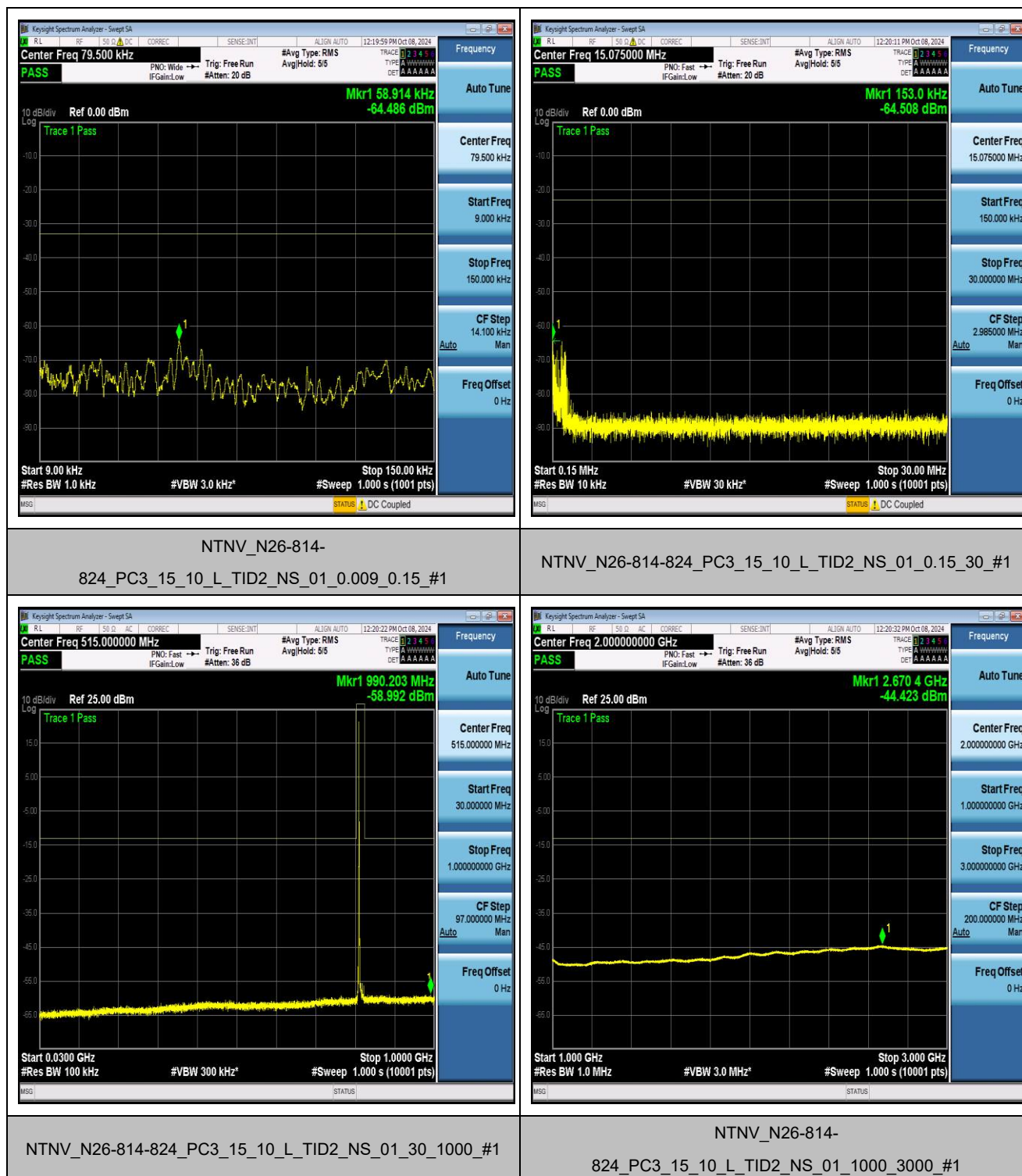


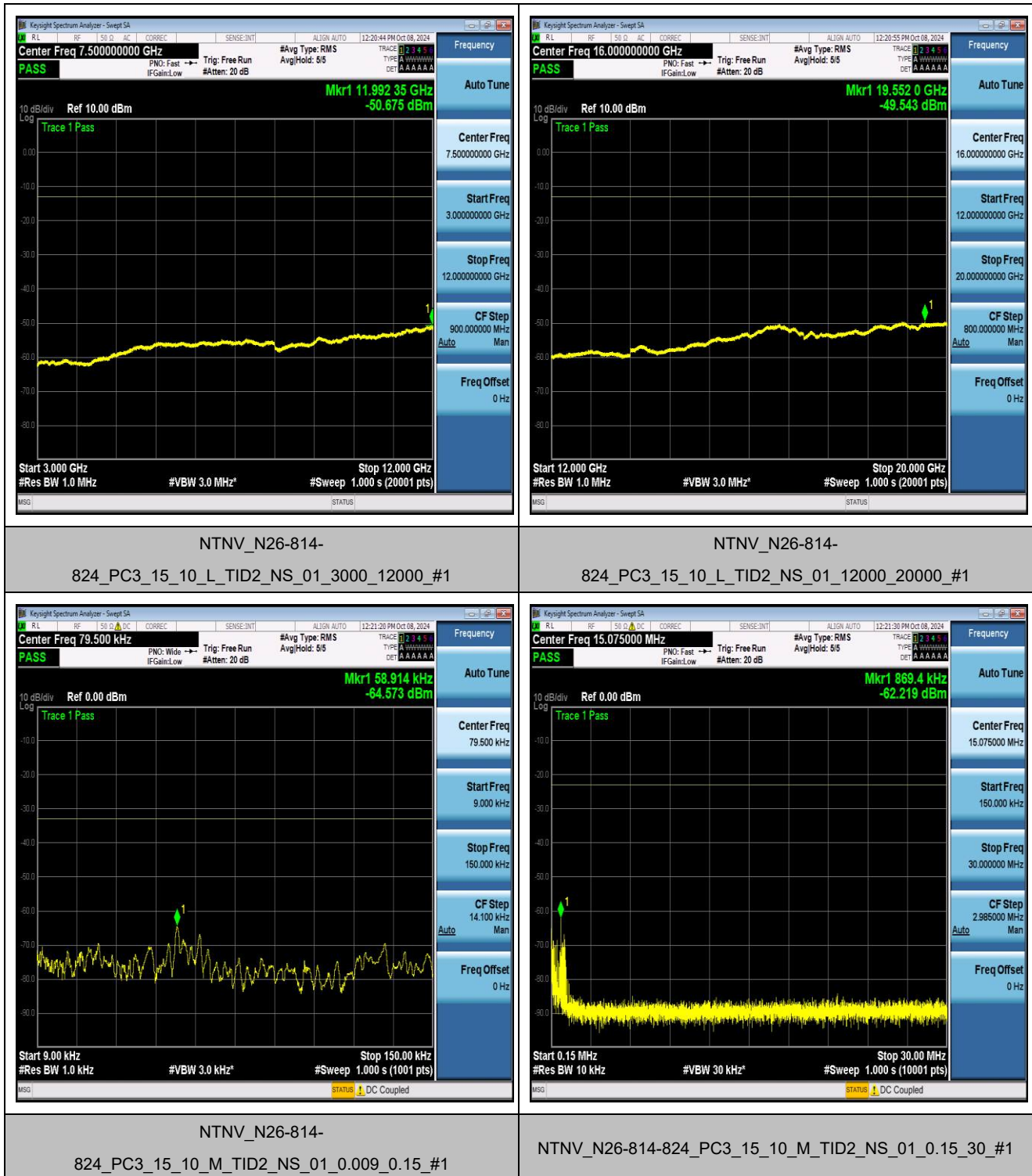




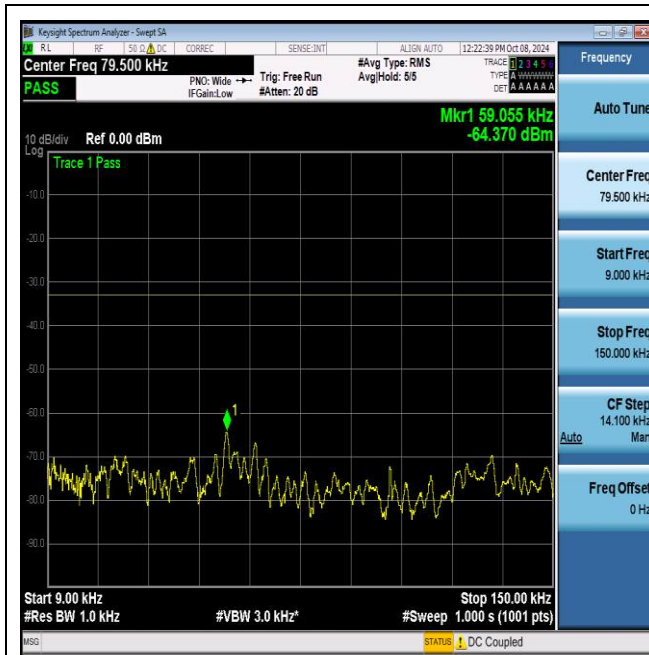
## Conducted Spurious Emission for SA

## Test Graphs

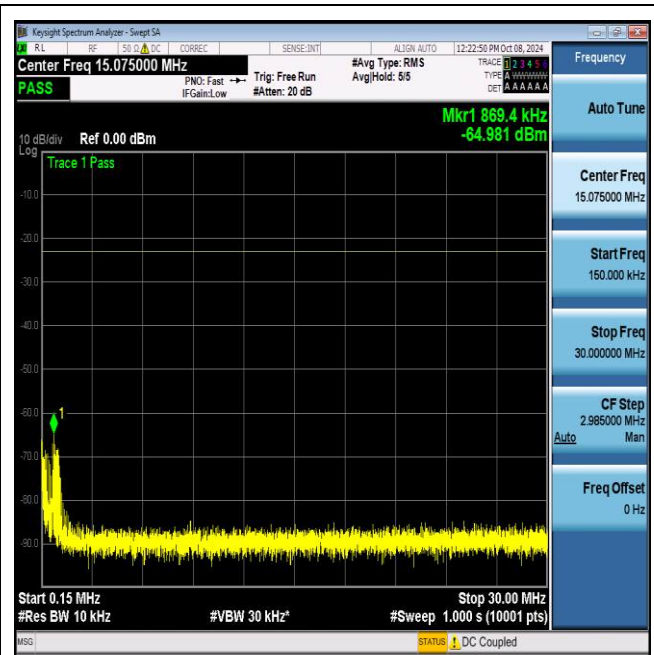




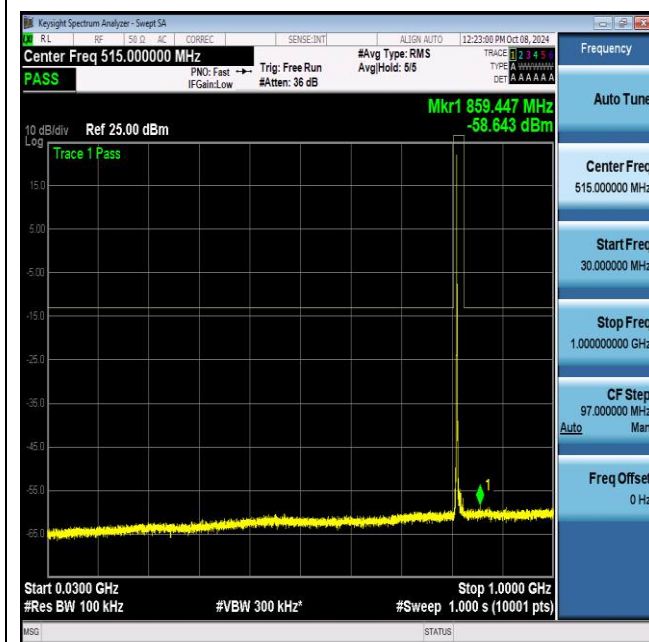




NTNV\_N26-814-  
824\_PC3\_15\_10\_H\_TID2\_NS\_01\_0.009\_0.15\_#1



NTNV\_N26-814-824\_PC3\_15\_10\_H\_TID2\_NS\_01\_0.15\_30\_#1



NTNV\_N26-814-824\_PC3\_15\_10\_H\_TID2\_NS\_01\_30\_1000\_#1



NTNV\_N26-814-  
824\_PC3\_15\_10\_H\_TID2\_NS\_01\_1000\_3000\_#1



## Frequency Stability for SA

## Test Result

## Frequency Error VS. Voltage

| Voltage     |     |           |             |         |            |         |      |                |                 |         |
|-------------|-----|-----------|-------------|---------|------------|---------|------|----------------|-----------------|---------|
| Band        | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Verdict |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | VL      | NT   | -6.100000      | -0.007448       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | VN      | NT   | -7.000000      | -0.008547       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | VH      | NT   | -4.300000      | -0.005250       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | VL      | NT   | -2.300000      | -0.002808       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | VN      | NT   | -4.000000      | -0.004884       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | VH      | NT   | -4.300000      | -0.005250       | PASS    |

## Frequency Error VS. Temperature

| Temperature |     |           |             |         |            |         |      |                |                 |         |
|-------------|-----|-----------|-------------|---------|------------|---------|------|----------------|-----------------|---------|
| Band        | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Verdict |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | -30  | -5.500000      | -0.006716       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | -20  | -6.300000      | -0.007692       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | -10  | -4.700000      | -0.005739       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 0    | -4.300000      | -0.005250       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 10   | -5.000000      | -0.006105       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 20   | -6.200000      | -0.007570       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 30   | -6.100000      | -0.007448       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 40   | -4.099999      | -0.005006       | PASS    |
| N26-814-824 | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 50   | -4.099999      | -0.005006       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | -30  | -1.700000      | -0.002076       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | -20  | -3.600000      | -0.004396       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | -10  | -5.500000      | -0.006716       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 0    | -3.900000      | -0.004762       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 10   | -2.900000      | -0.003541       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 20   | -5.100000      | -0.006227       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 30   | -2.000000      | -0.002442       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 40   | -2.200000      | -0.002686       | PASS    |
| N26-814-824 | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 50   | -1.200000      | -0.001465       | PASS    |

~The End~