



Reference No.: PSU-NQN2403180115RF15



## APPENDIX L

### N5

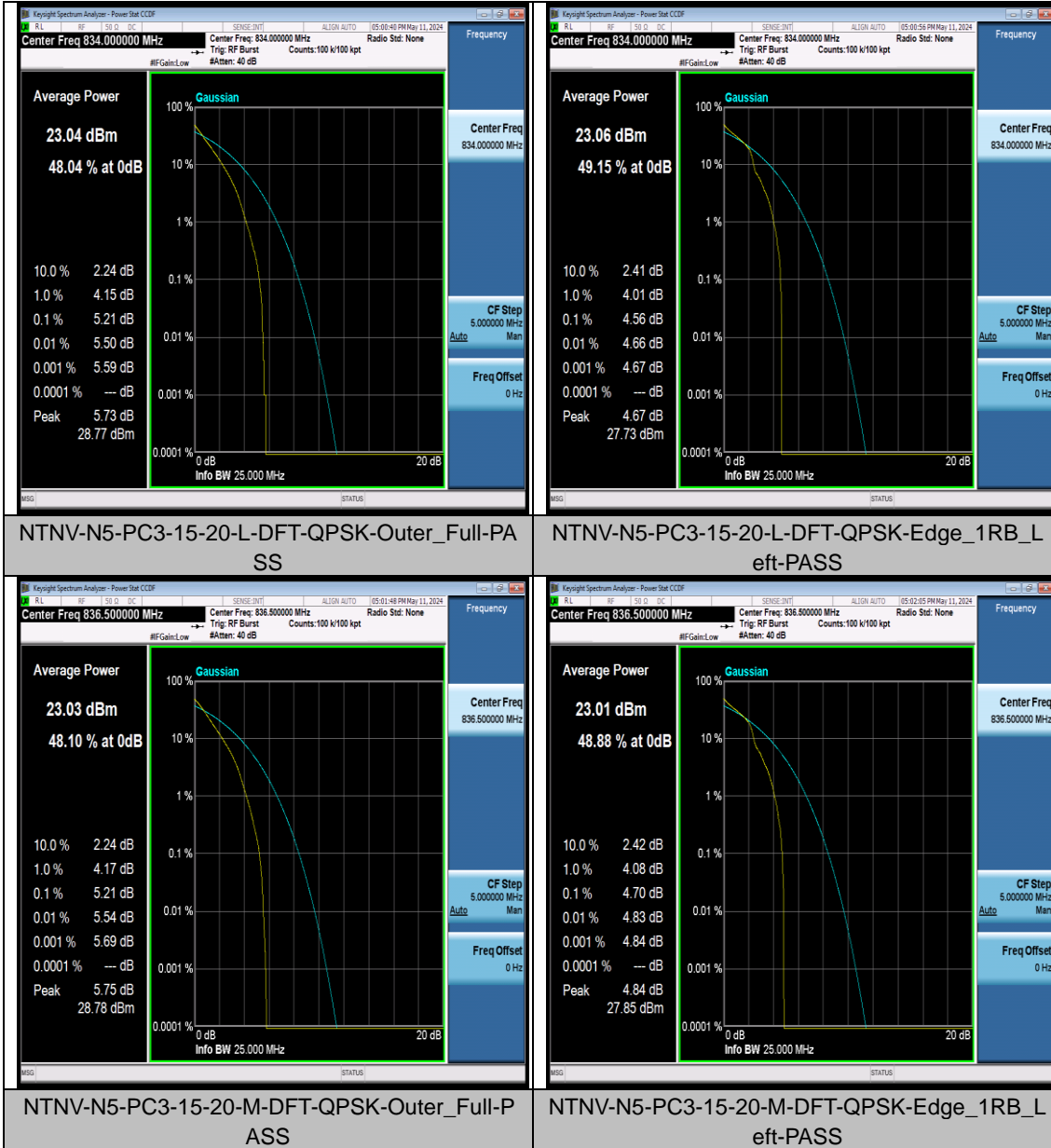
### PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

| Band | SCS | Bandwidth | Modulation | Channel | RB Config     | Result | Limit | Verdict |
|------|-----|-----------|------------|---------|---------------|--------|-------|---------|
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full    | 5.21   | ≤13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Edge_1RB_Left | 4.56   | ≤13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full    | 5.21   | ≤13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Edge_1RB_Left | 4.70   | ≤13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full    | 5.28   | ≤13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Edge_1RB_Left | 4.75   | ≤13   | PASS    |



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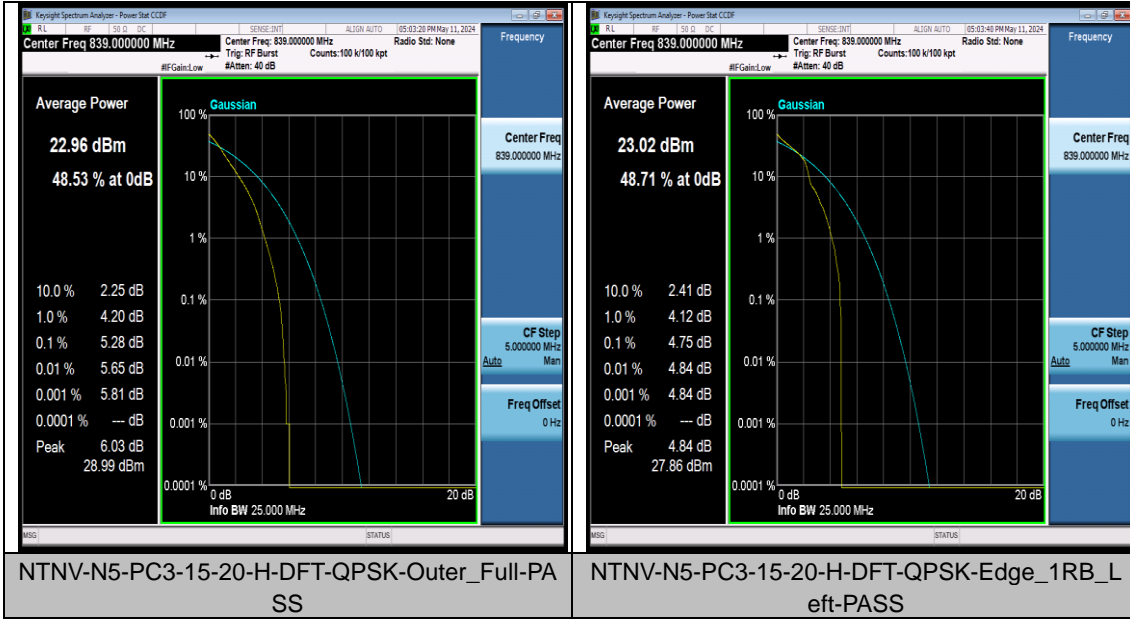
## TEST GRAPHS





BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF15





Reference No.: PSU-NQN2403180115RF15

## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA TEST RESULT

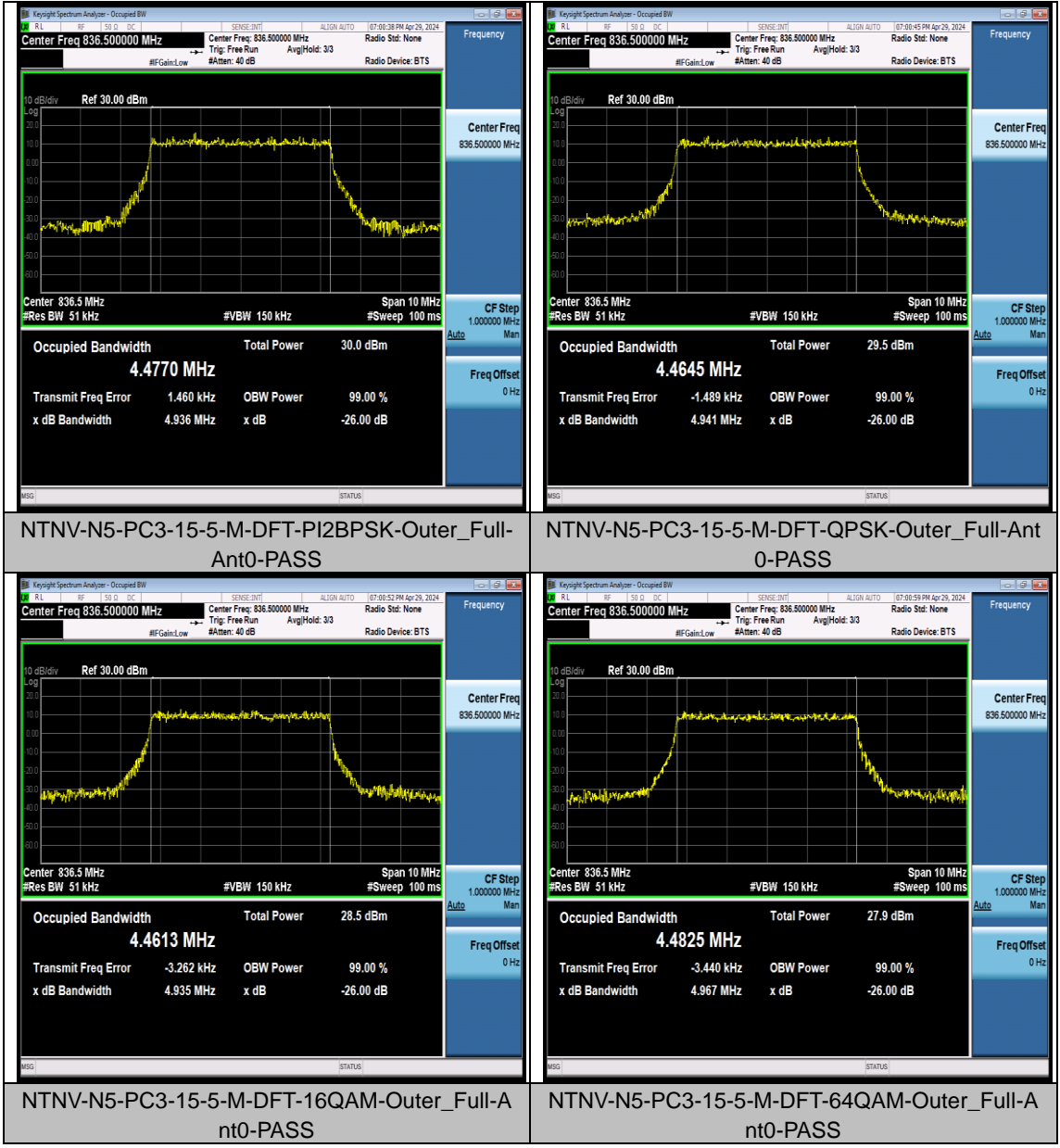
| Band | SCS | Bandwidth | Modulation  | Channel | RB Config  | Result (99%) | Result (26dB) | Verdict |
|------|-----|-----------|-------------|---------|------------|--------------|---------------|---------|
| N5   | 15  | 5         | DFT-PI2BPSK | M       | Outer_Full | 4.4770       | 4.936         | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | M       | Outer_Full | 4.4645       | 4.941         | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | M       | Outer_Full | 4.4613       | 4.935         | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | M       | Outer_Full | 4.4825       | 4.967         | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | M       | Outer_Full | 4.4693       | 5.006         | PASS    |
| N5   | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | 8.9070       | 9.544         | PASS    |
| N5   | 15  | 10        | DFT-QPSK    | M       | Outer_Full | 8.9160       | 9.689         | PASS    |
| N5   | 15  | 10        | DFT-16QAM   | M       | Outer_Full | 8.9021       | 9.627         | PASS    |
| N5   | 15  | 10        | DFT-64QAM   | M       | Outer_Full | 8.9036       | 9.544         | PASS    |
| N5   | 15  | 10        | DFT-256QAM  | M       | Outer_Full | 8.9046       | 9.563         | PASS    |
| N5   | 15  | 15        | DFT-PI2BPSK | M       | Outer_Full | 13.395       | 14.32         | PASS    |
| N5   | 15  | 15        | DFT-QPSK    | M       | Outer_Full | 13.367       | 14.19         | PASS    |
| N5   | 15  | 15        | DFT-16QAM   | M       | Outer_Full | 13.391       | 14.27         | PASS    |
| N5   | 15  | 15        | DFT-64QAM   | M       | Outer_Full | 13.391       | 14.17         | PASS    |
| N5   | 15  | 15        | DFT-256QAM  | M       | Outer_Full | 13.393       | 14.16         | PASS    |
| N5   | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | 17.837       | 18.81         | PASS    |
| N5   | 15  | 20        | DFT-QPSK    | M       | Outer_Full | 17.853       | 18.73         | PASS    |
| N5   | 15  | 20        | DFT-16QAM   | M       | Outer_Full | 17.860       | 18.80         | PASS    |
| N5   | 15  | 20        | DFT-64QAM   | M       | Outer_Full | 17.832       | 18.83         | PASS    |
| N5   | 15  | 20        | DFT-256QAM  | M       | Outer_Full | 17.825       | 18.73         | PASS    |



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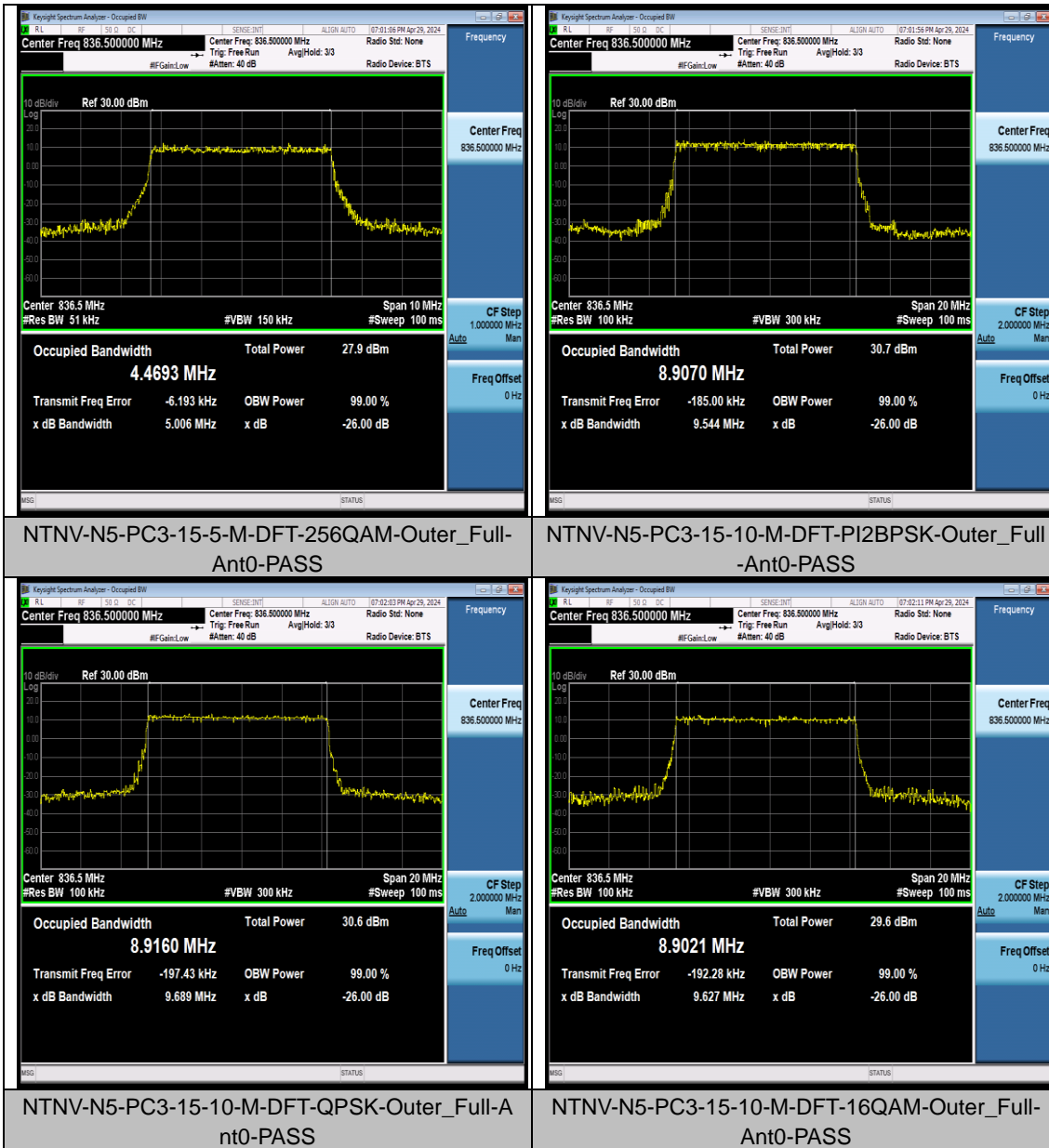
### TEST GRAPHS





BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF15



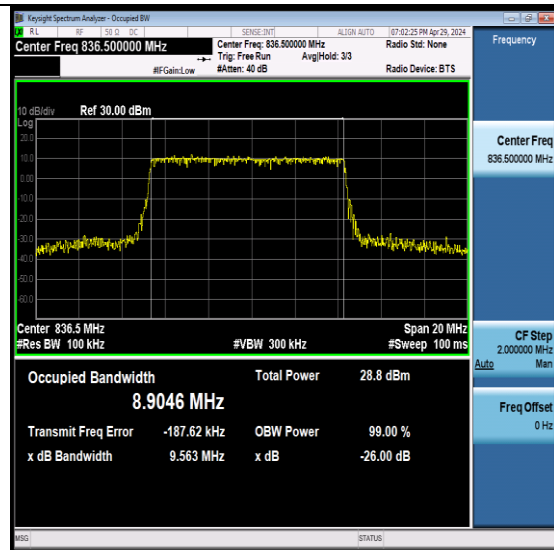


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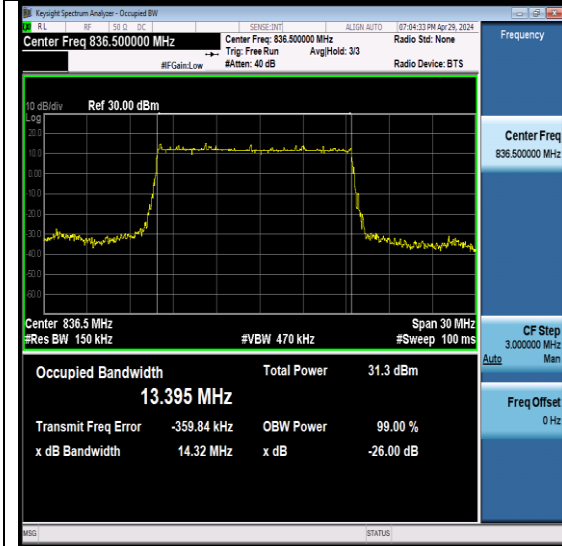
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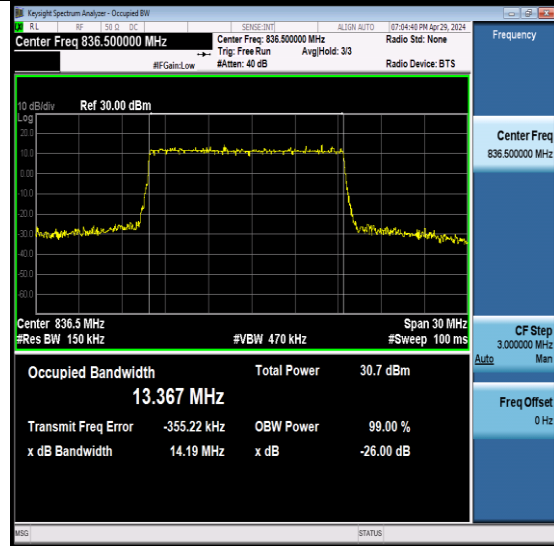
NTNV-N5-PC3-15-10-M-DFT-64QAM-Outer\_Full-Ant0-PASS



NTNV-N5-PC3-15-10-M-DFT-256QAM-Outer\_Full-Ant0-PASS



NTNV-N5-PC3-15-15-M-DFT-PI2BPSK-Outer\_Full-Ant0-PASS



NTNV-N5-PC3-15-15-M-DFT-QPSK-Outer\_Full-Ant0-PASS

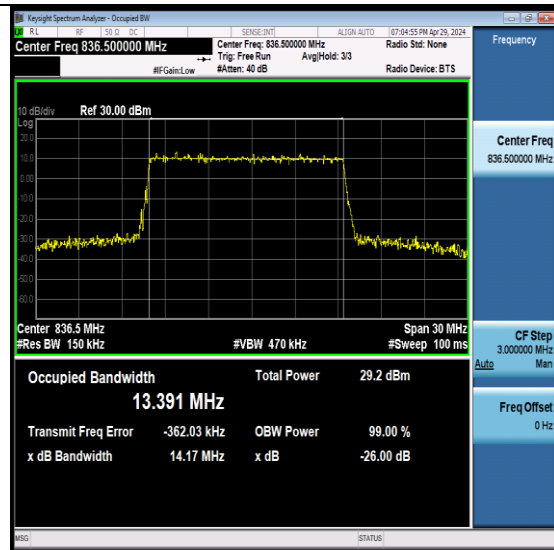


BUREAU VERITAS

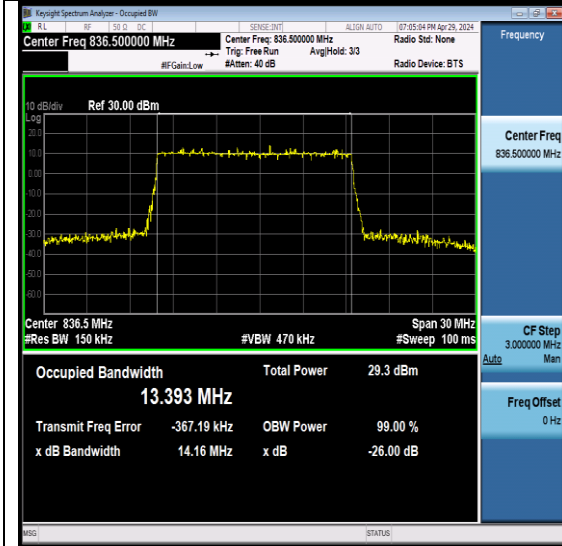
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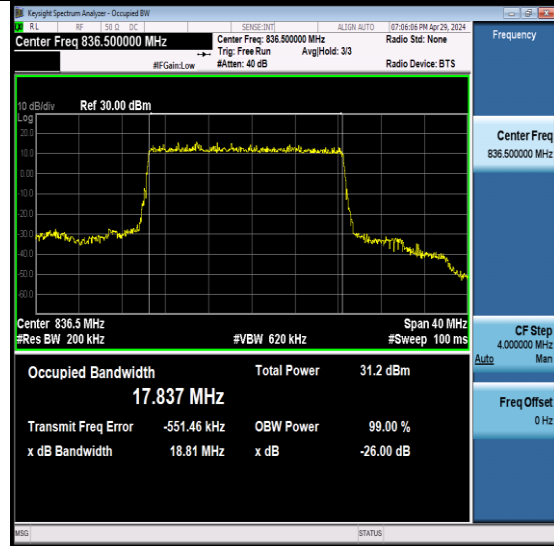
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NTNV-N5-PC3-15-15-M-DFT-64QAM-Outer\_Full-Ant0-PASS



NTNV-N5-PC3-15-15-M-DFT-256QAM-Outer\_Full-Ant0-PASS



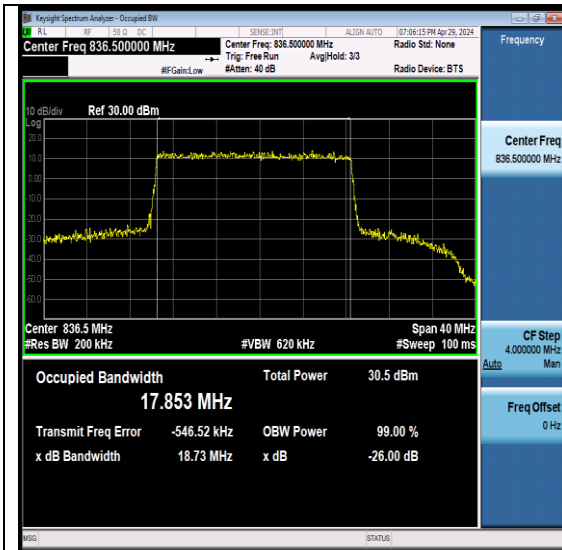
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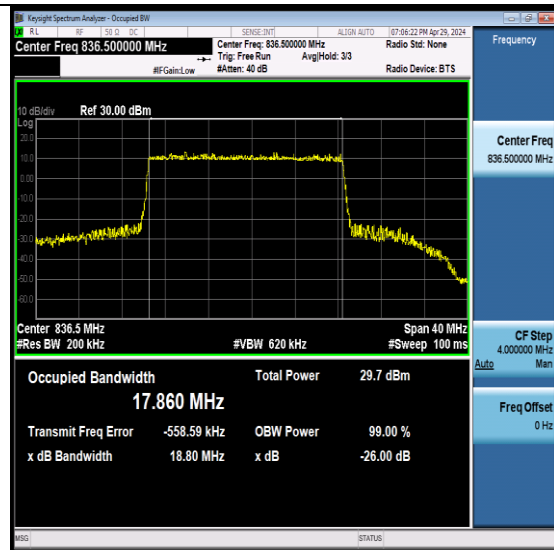


BUREAU VERITAS

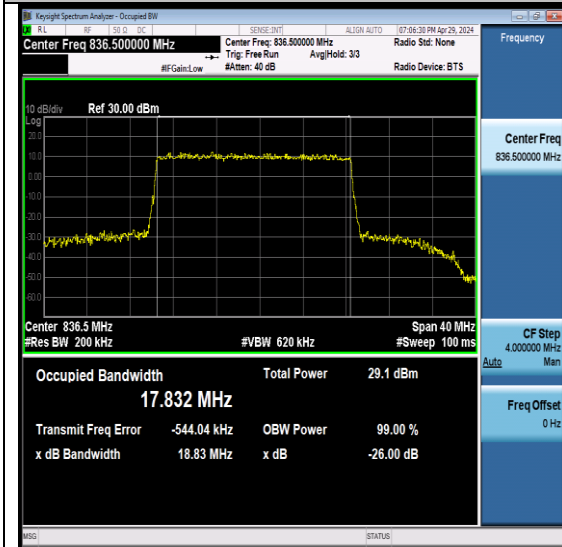
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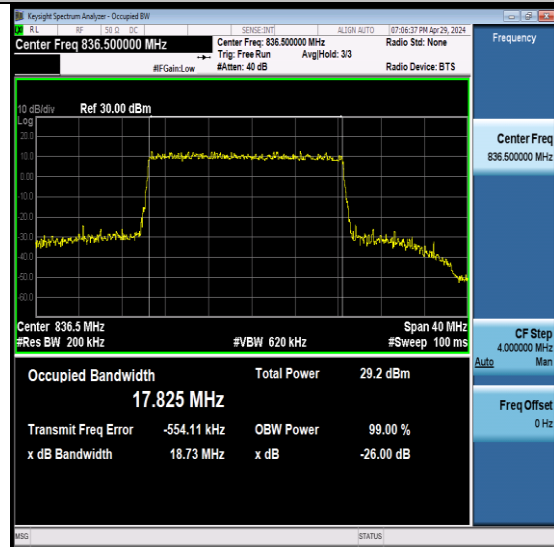
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NTNV-N5-PC3-15-20-M-DFT-16QAM-Outer\_Full-Ant0-PASS



NTNV-N5-PC3-15-20-M-DFT-64QAM-Outer\_Full-Ant0-PASS



NTNV-N5-PC3-15-20-M-DFT-256QAM-Outer\_Full-Ant0-PASS



Reference No.: PSU-NQN2403180115RF15

## BAND EDGE FOR SA TEST RESULT

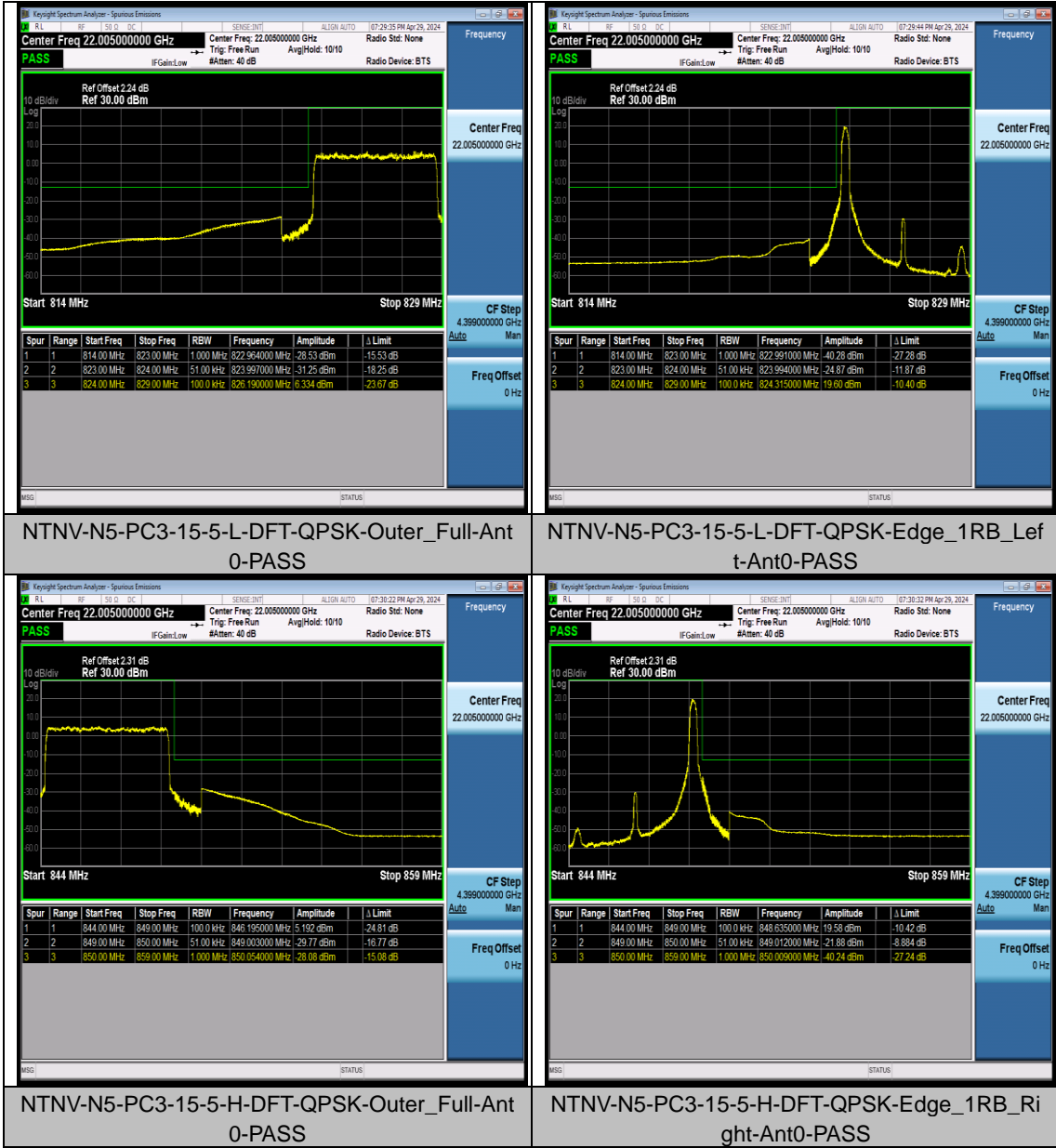
| Band | SCS | Bandwidth | Modulation | Channel | RB Config      | Result | Verdict |
|------|-----|-----------|------------|---------|----------------|--------|---------|
| N5   | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | -28.53 | PASS    |
| N5   | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | -24.87 | PASS    |
| N5   | 15  | 5         | DFT-QPSK   | H       | Outer_Full     | -28.08 | PASS    |
| N5   | 15  | 5         | DFT-QPSK   | H       | Edge_1RB_Right | -21.88 | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | L       | Outer_Full     | -29.87 | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | L       | Edge_1RB_Left  | -26.86 | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | H       | Outer_Full     | -31.20 | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | H       | Edge_1RB_Right | -28.08 | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full     | -30.05 | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Edge_1RB_Left  | -33.35 | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full     | -34.36 | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Edge_1RB_Right | -33.13 | PASS    |



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF15

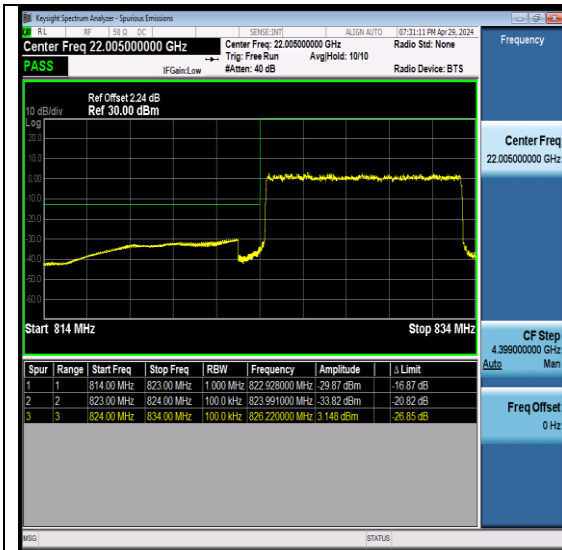
TEST GRAPHS



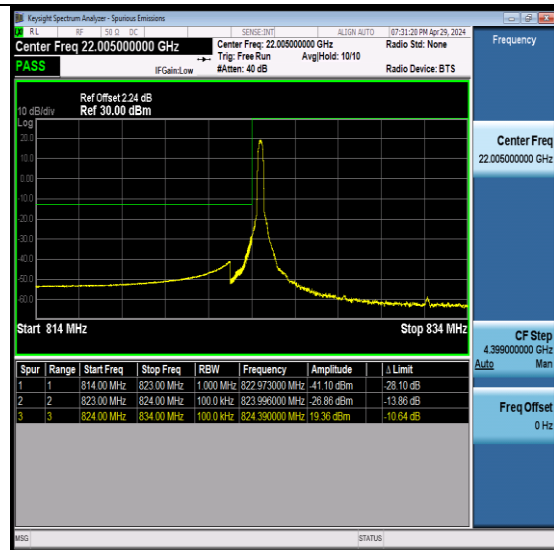


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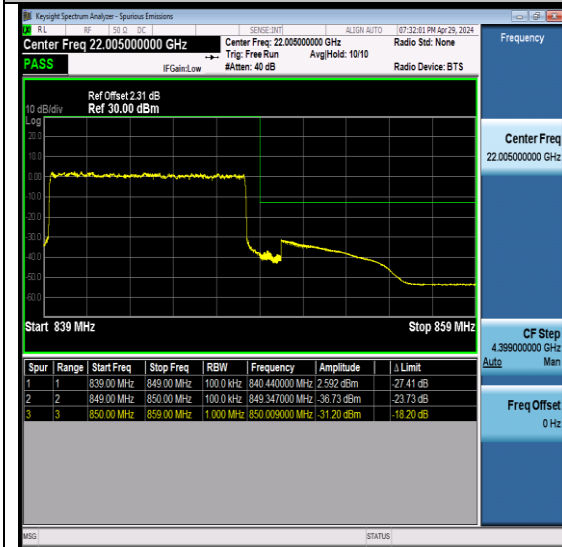
BUREAU VERITAS



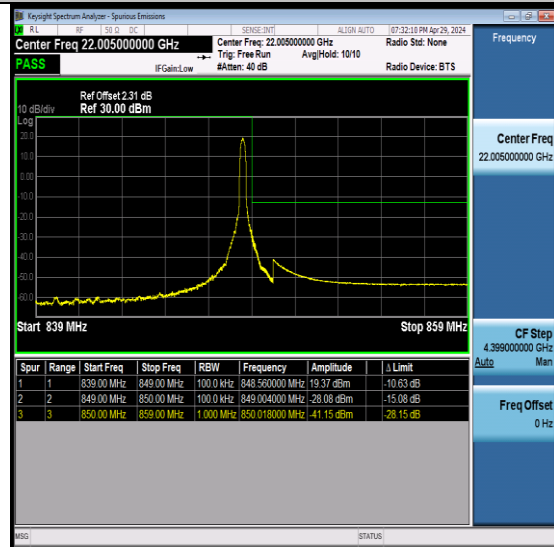
NTN-V-N5-PC3-15-10-L-DFT-QPSK-Outer\_Full-Ant0-PASS



NTN-V-N5-PC3-15-10-L-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTN-V-N5-PC3-15-10-H-DFT-QPSK-Outer\_Full-Ant0-PASS

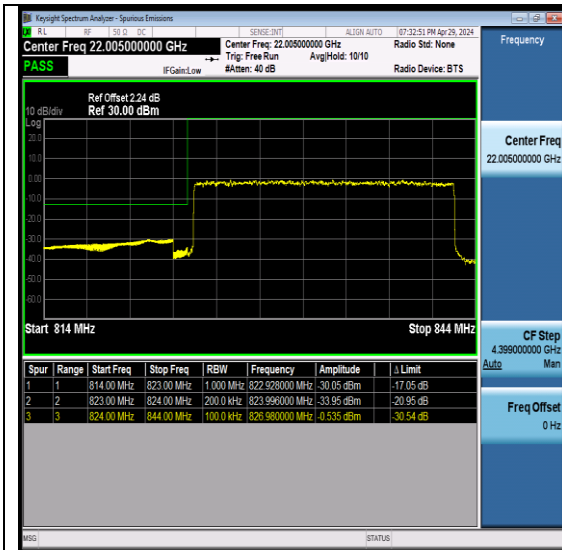


NTN-V-N5-PC3-15-10-H-DFT-QPSK-Edge\_1RB\_R ight-Ant0-PASS

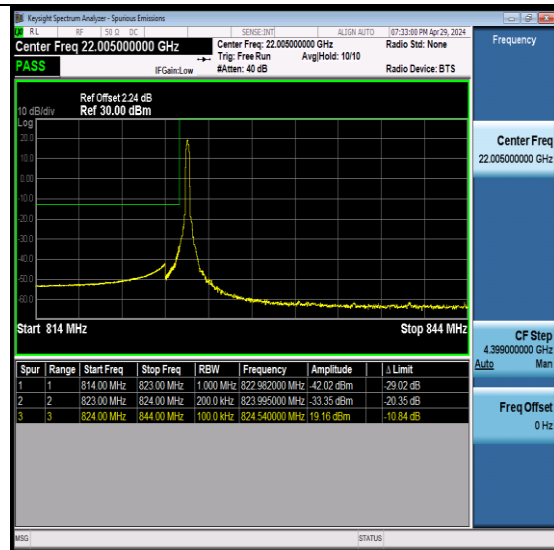


BUREAU VERITAS

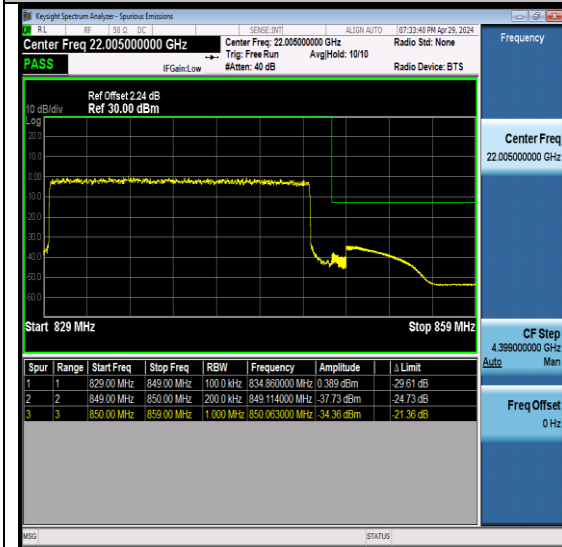
Reference No.: PSU-NQN2403180115RF15



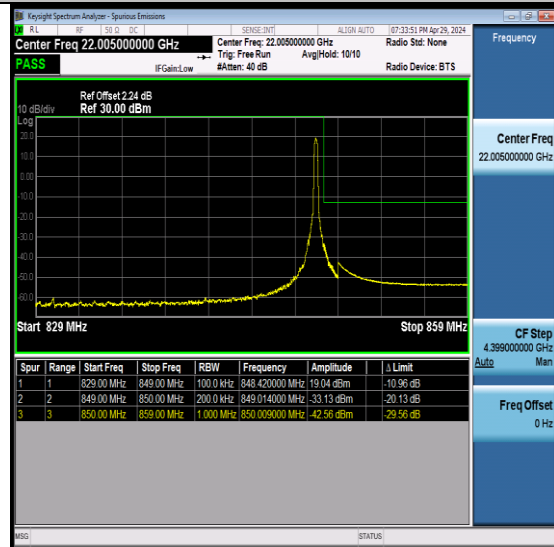
NTN5-N5-PC3-15-20-L-DFT-QPSK-Outer\_Full-Ant0-PASS



NTN5-N5-PC3-15-20-L-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTN5-N5-PC3-15-20-H-DFT-QPSK-Outer\_Full-Ant0-PASS



NTN5-N5-PC3-15-20-H-DFT-QPSK-Edge\_1RB\_R ight-Ant0-PASS



Reference No.: PSU-NQN2403180115RF15

## CONDUCTED SPURIOUS EMISSION FOR SA TEST RESULT

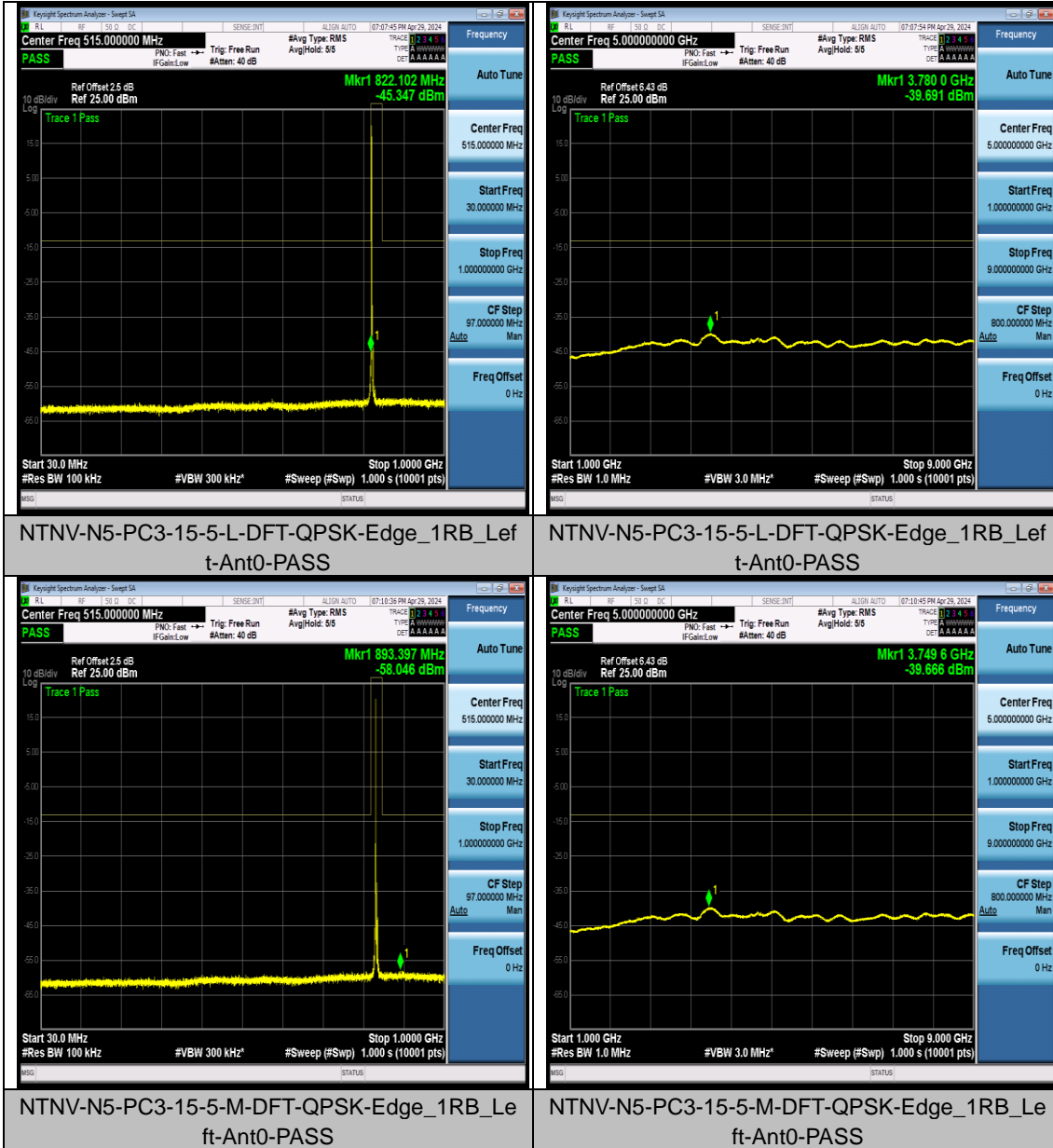
| Band | SCS | Bandwidth | Modulation | Channel | RB Config     | StartFreq | StopFreq | Result | Limit | Verdict |
|------|-----|-----------|------------|---------|---------------|-----------|----------|--------|-------|---------|
| N5   | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left | 30        | 1000     | -45.35 | -13   | PASS    |
| N5   | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left | 1000      | 9000     | -39.69 | -13   | PASS    |
| N5   | 15  | 5         | DFT-QPSK   | M       | Edge_1RB_Left | 30        | 1000     | -58.05 | -13   | PASS    |
| N5   | 15  | 5         | DFT-QPSK   | M       | Edge_1RB_Left | 1000      | 9000     | -39.67 | -13   | PASS    |
| N5   | 15  | 5         | DFT-QPSK   | H       | Edge_1RB_Left | 30        | 1000     | -57.08 | -13   | PASS    |
| N5   | 15  | 5         | DFT-QPSK   | H       | Edge_1RB_Left | 1000      | 9000     | -39.64 | -13   | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | L       | Edge_1RB_Left | 30        | 1000     | -46.55 | -13   | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | L       | Edge_1RB_Left | 1000      | 9000     | -39.63 | -13   | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | M       | Edge_1RB_Left | 30        | 1000     | -57.54 | -13   | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | M       | Edge_1RB_Left | 1000      | 9000     | -39.68 | -13   | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | H       | Edge_1RB_Left | 30        | 1000     | -58.00 | -13   | PASS    |
| N5   | 15  | 10        | DFT-QPSK   | H       | Edge_1RB_Left | 1000      | 9000     | -39.66 | -13   | PASS    |
| N5   | 15  | 15        | DFT-QPSK   | L       | Edge_1RB_Left | 30        | 1000     | -44.78 | -13   | PASS    |
| N5   | 15  | 15        | DFT-QPSK   | L       | Edge_1RB_Left | 1000      | 9000     | -39.68 | -13   | PASS    |
| N5   | 15  | 15        | DFT-QPSK   | M       | Edge_1RB_Left | 30        | 1000     | -57.38 | -13   | PASS    |
| N5   | 15  | 15        | DFT-QPSK   | M       | Edge_1RB_Left | 1000      | 9000     | -39.72 | -13   | PASS    |
| N5   | 15  | 15        | DFT-QPSK   | H       | Edge_1RB_Left | 30        | 1000     | -57.45 | -13   | PASS    |
| N5   | 15  | 15        | DFT-QPSK   | H       | Edge_1RB_Left | 1000      | 9000     | -39.70 | -13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Edge_1RB_Left | 30        | 1000     | -45.14 | -13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Edge_1RB_Left | 1000      | 9000     | -39.65 | -13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Edge_1RB_Left | 30        | 1000     | -55.70 | -13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Edge_1RB_Left | 1000      | 9000     | -39.66 | -13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Edge_1RB_Left | 30        | 1000     | -57.64 | -13   | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Edge_1RB_Left | 1000      | 9000     | -39.71 | -13   | PASS    |



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Reference No.: PSU-NQN2403180115RF15

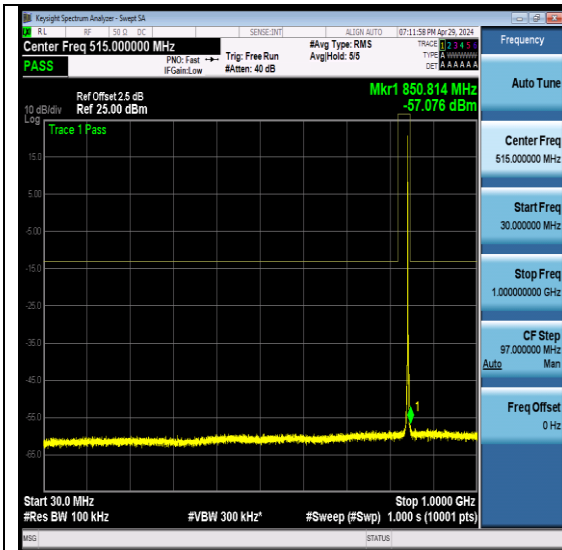
### TEST GRAPHS





BUREAU VERITAS

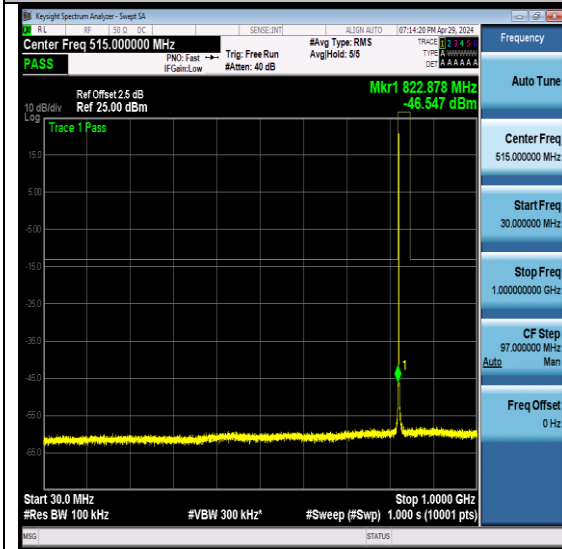
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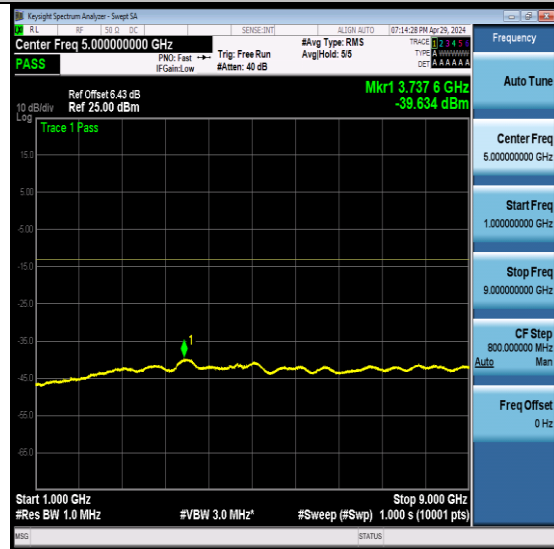
NTNV-N5-PC3-15-5-H-DFT-QPSK-Edge\_1RB\_Lef t-Ant0-PASS



NTNV-N5-PC3-15-5-H-DFT-QPSK-Edge\_1RB\_Lef t-Ant0-PASS



NTNV-N5-PC3-15-10-L-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



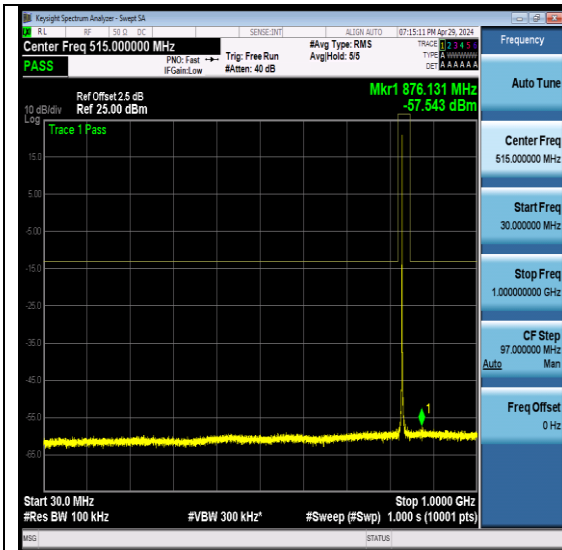
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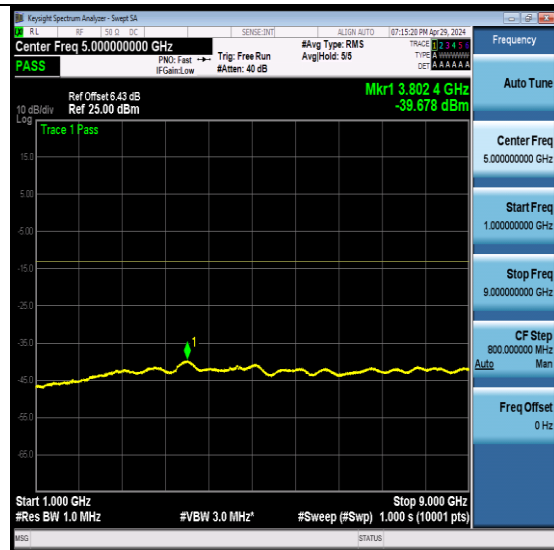


BUREAU VERITAS

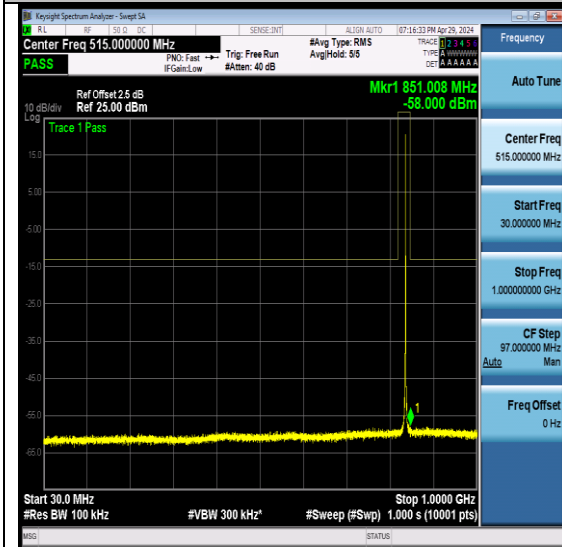
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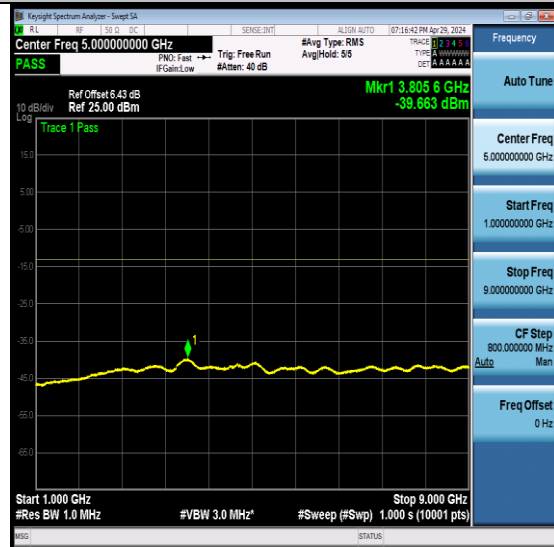
NTN-N5-PC3-15-10-M-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTN-N5-PC3-15-10-M-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTN-N5-PC3-15-10-H-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS

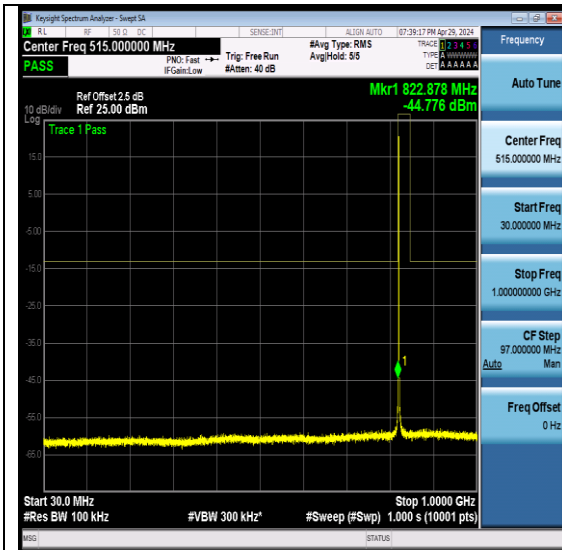


NTN-N5-PC3-15-10-H-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS

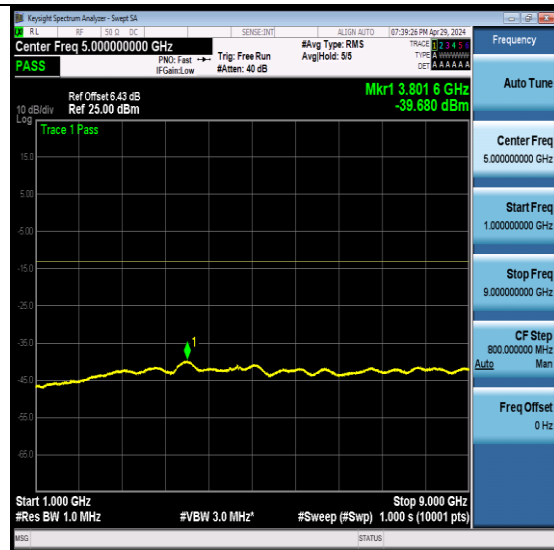


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF15



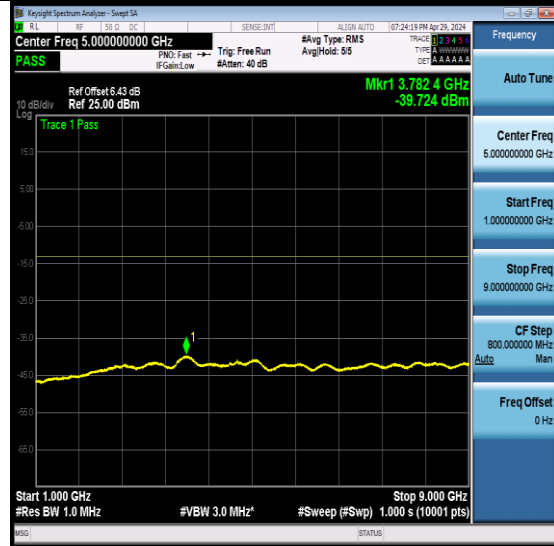
NTNV-N5-PC3-15-15-L-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTNV-N5-PC3-15-15-L-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTNV-N5-PC3-15-15-M-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS

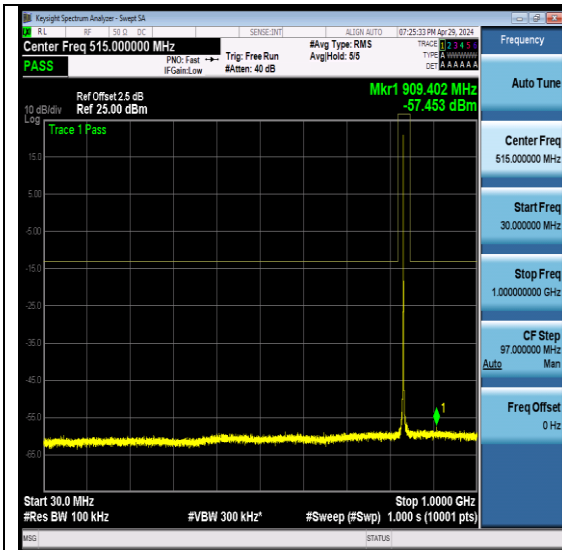


NTNV-N5-PC3-15-15-M-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS

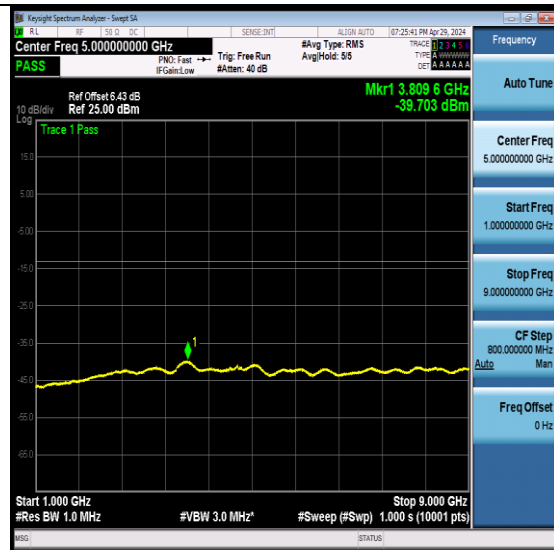


BUREAU VERITAS

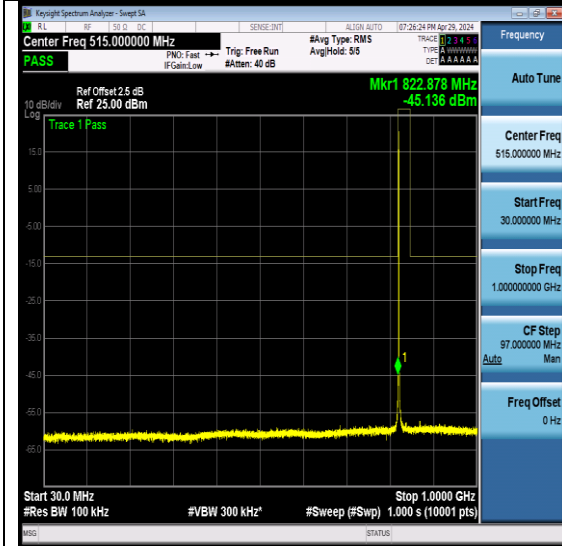
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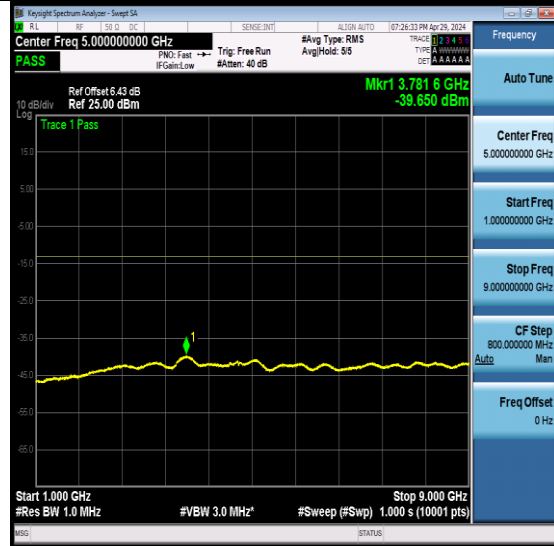
NTNV-N5-PC3-15-15-H-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTNV-N5-PC3-15-15-H-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS

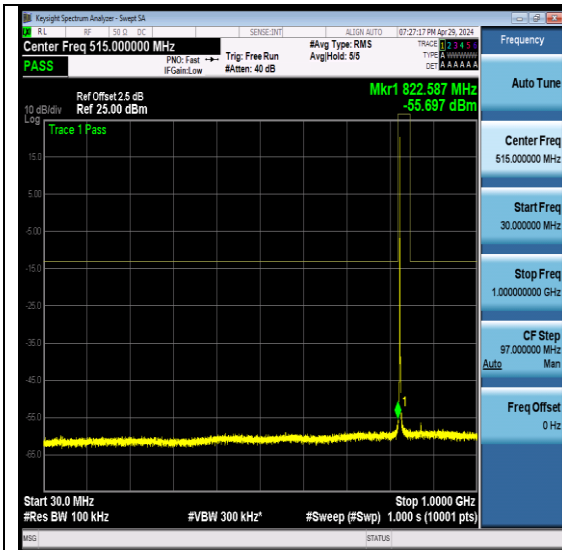


NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS

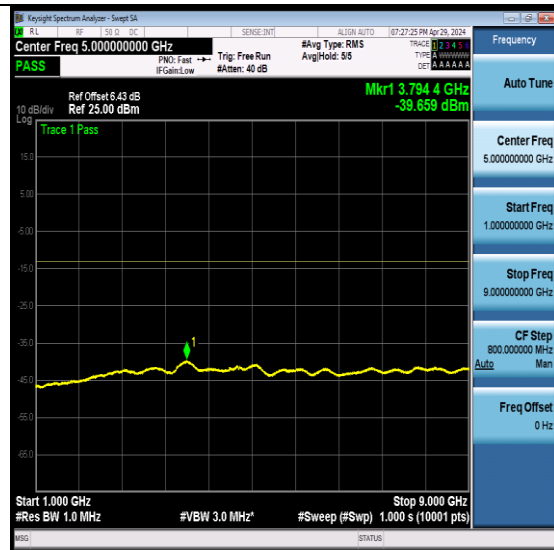


BUREAU VERITAS

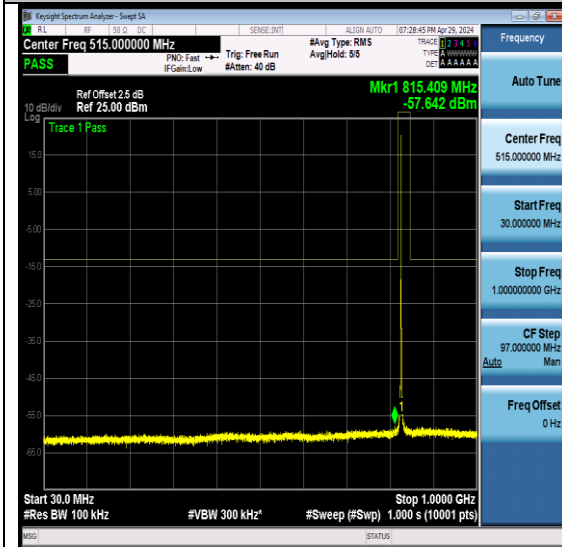
Reference No.: PSU-NQN2403180115RF15



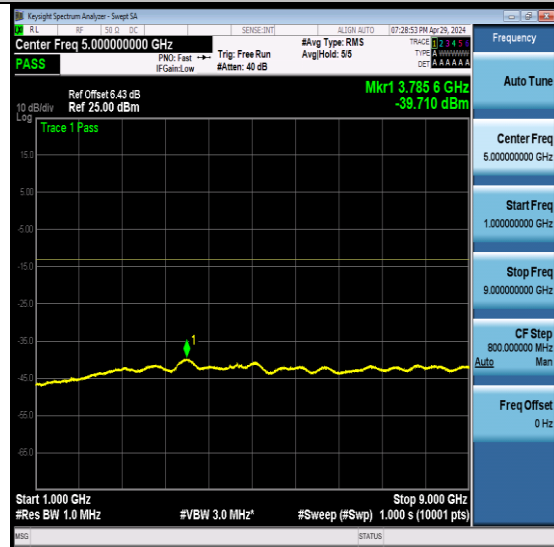
NTNV-N5-PC3-15-20-M-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTNV-N5-PC3-15-20-M-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge\_1RB\_L eft-Ant0-PASS



Reference No.: PSU-NQN2403180115RF15

## FREQUENCY STABILITY FOR SA TEST RESULT

| Band | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage | Temperature | Deviation (Hz) | Deviation (ppm) | Verdict |
|------|-----|-----------|------------|---------|------------|---------|-------------|----------------|-----------------|---------|
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | VL      | NT          | 17.000000      | 0.020384        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | VN      | NT          | 19.000000      | 0.022782        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | VH      | NT          | 14.000000      | 0.016787        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | -30         | 16.000000      | 0.019185        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | -20         | 11.000000      | 0.013189        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | -10         | 10.000000      | 0.011990        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | 0           | 8.000000       | 0.009592        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | 10          | 3.000000       | 0.003597        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | 20          | 11.000000      | 0.013189        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | 30          | 9.000000       | 0.010791        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | 40          | 4.000000       | 0.004796        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | L       | Outer_Full | NV      | 50          | 18.000000      | 0.021583        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | VL      | NT          | 10.000000      | 0.011955        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | VN      | NT          | 6.000000       | 0.007173        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | VH      | NT          | 1.000000       | 0.001195        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | -30         | 15.000000      | 0.017932        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | -20         | 14.000000      | 0.016736        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | -10         | 2.000000       | 0.002391        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | 0           | 12.000000      | 0.014345        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | 10          | 19.000000      | 0.022714        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | 20          | 6.000000       | 0.007173        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | 30          | 1.000000       | 0.001195        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | 40          | 19.000000      | 0.022714        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | M       | Outer_Full | NV      | 50          | 9.000000       | 0.010759        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | VL      | NT          | 3.000000       | 0.003576        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | VN      | NT          | 8.000000       | 0.009535        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | VH      | NT          | 3.000000       | 0.003576        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | -30         | 1.000000       | 0.001192        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | -20         | 16.000000      | 0.019070        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | -10         | 18.000000      | 0.021454        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | 0           | 10.000000      | 0.011919        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | 10          | 8.000000       | 0.009535        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | 20          | 16.000000      | 0.019070        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | 30          | 18.000000      | 0.021454        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | 40          | 1.000000       | 0.001192        | PASS    |
| N5   | 15  | 20        | DFT-QPSK   | H       | Outer_Full | NV      | 50          | 18.000000      | 0.021454        | PASS    |



Reference No.: PSU-NQN2403180115RF15

**N7**

**PEAK-TO-AVERAGE RATIO(CCDF)  
TEST RESULT**

| Band | SCS | Bandwidth | Modulation | Channel | RB Config     | Result | Limit | Verdict |
|------|-----|-----------|------------|---------|---------------|--------|-------|---------|
| N7   | 15  | 20        | DFT-QPSK   | L       | Outer_Full    | 5.53   | ≤13   | PASS    |
| N7   | 15  | 20        | DFT-QPSK   | L       | Edge_1RB_Left | 5.30   | ≤13   | PASS    |
| N7   | 15  | 20        | DFT-QPSK   | M       | Outer_Full    | 5.32   | ≤13   | PASS    |
| N7   | 15  | 20        | DFT-QPSK   | M       | Edge_1RB_Left | 5.14   | ≤13   | PASS    |
| N7   | 15  | 20        | DFT-QPSK   | H       | Outer_Full    | 5.47   | ≤13   | PASS    |
| N7   | 15  | 20        | DFT-QPSK   | H       | Edge_1RB_Left | 5.15   | ≤13   | PASS    |