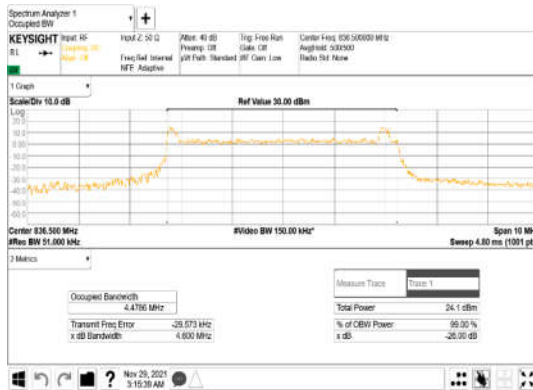
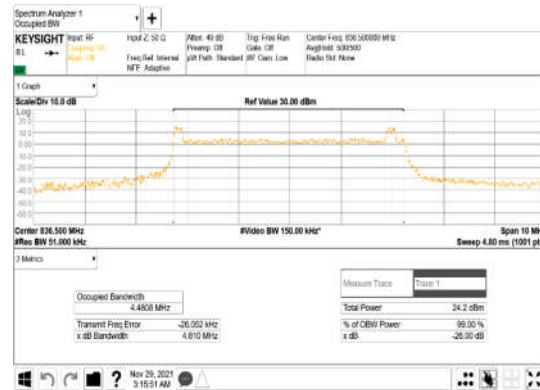




n5(5M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n5(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n5(10M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n5(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n5(15M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n5(15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

n5(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH

n5(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



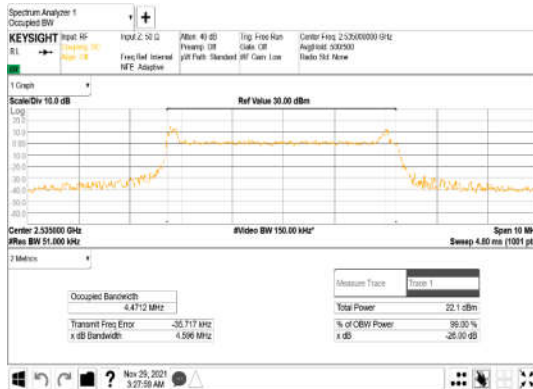
| NR Band | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------------|--------|------------|----------------------|-----------|----------------|
| 7       | 5               | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 4.4712    | 4.596          |
| 7       | 5               | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 4.4846    | 4.607          |
| 7       | 10              | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 8.9526    | 9.177          |
| 7       | 10              | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 8.9436    | 9.157          |
| 7       | 15              | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 13.470    | 13.78          |
| 7       | 15              | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 13.456    | 13.82          |
| 7       | 20              | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 17.952    | 18.34          |
| 7       | 20              | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 17.946    | 18.39          |
| 7       | 25              | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 23.010    | 23.51          |
| 7       | 25              | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 23.019    | 23.49          |
| 7       | 30              | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 28.747    | 29.34          |
| 7       | 30              | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 28.664    | 29.45          |
| 7       | 40              | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 38.918    | 39.74          |



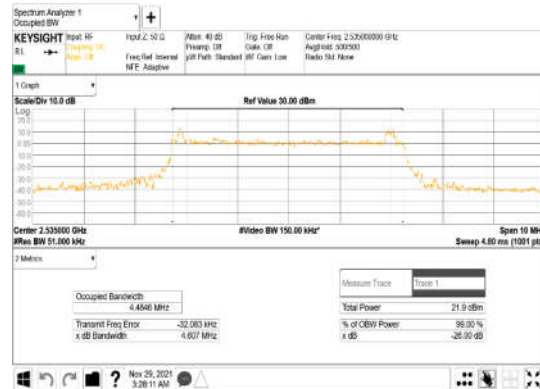
No. I21N03262-RF-NR

|   |    |        |        |                         |        |       |
|---|----|--------|--------|-------------------------|--------|-------|
| 7 | 40 | 531000 | 2535.0 | DFT-s-OFDM<br>QPSK      | 38.993 | 39.74 |
| 7 | 50 | 531000 | 2535.0 | DFT-s-OFDM<br>PI/2 BPSK | 48.538 | 49.47 |
| 7 | 50 | 531000 | 2535.0 | DFT-s-OFDM<br>QPSK      | 48.687 | 49.63 |

n7(5M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n7(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n7(10M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n7(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

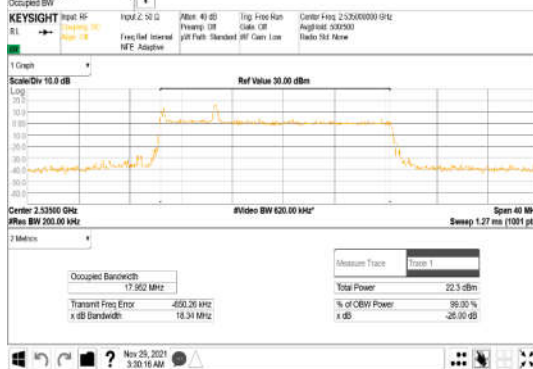
n7(15M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n7(15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n7(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n7(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n7(25M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n7(25M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

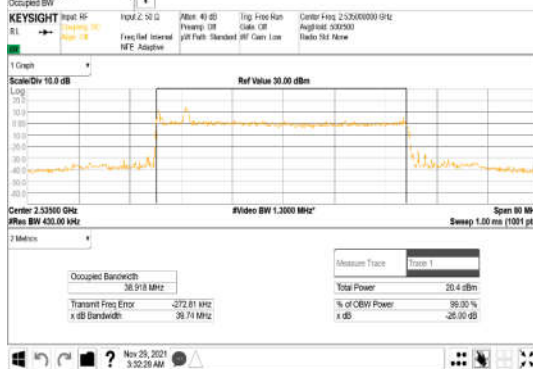
n7(30M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n7(30M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n7(40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n7(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n7(50M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n7(50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





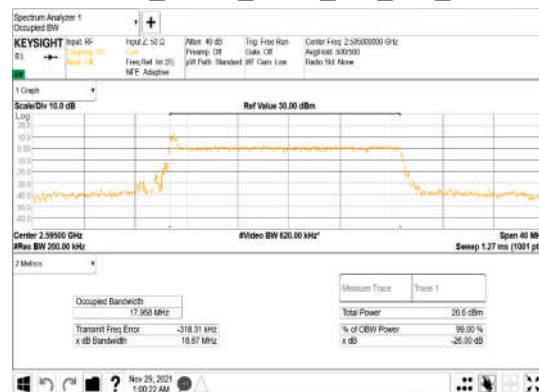
No. I21N03262-RF-NR

| NR Band | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------------|--------|------------|----------------------|-----------|----------------|
| 38      | 20              | 519000 | 2595.0     | DFT-s-OFDM PI/2 BPSK | 18.034    | 18.50          |
| 38      | 20              | 519000 | 2595.0     | DFT-s-OFDM QPSK      | 17.958    | 18.67          |
| 38      | 30              | 519000 | 2595.0     | DFT-s-OFDM PI/2 BPSK | 27.030    | 27.55          |
| 38      | 30              | 519000 | 2595.0     | DFT-s-OFDM QPSK      | 27.033    | 27.75          |
| 38      | 40              | 519000 | 2595.0     | DFT-s-OFDM PI/2 BPSK | 35.972    | 36.76          |
| 38      | 40              | 519000 | 2595.0     | DFT-s-OFDM QPSK      | 36.034    | 36.99          |

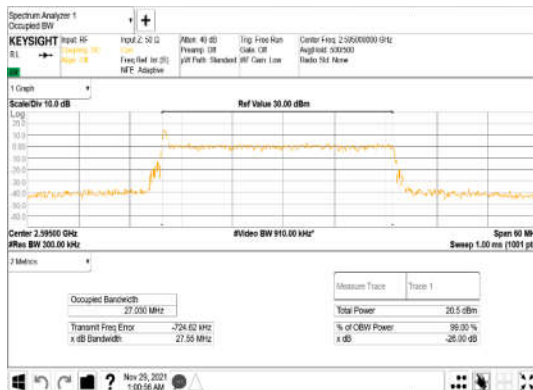
n38(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



n38(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n38(30M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



n38(30M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH

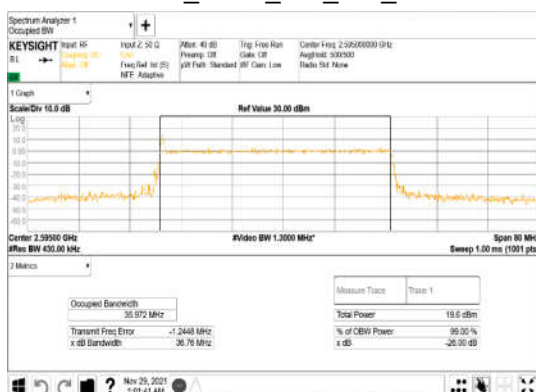




No. I21N03262-RF-NR

n38(40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH

n38(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



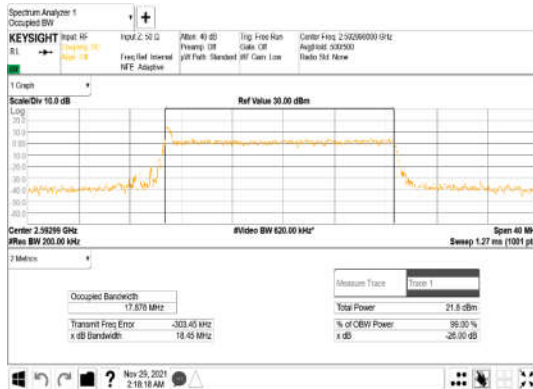
| NR Band | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------------|--------|------------|----------------------|-----------|----------------|
| 41      | 20              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 17.878    | 18.45          |
| 41      | 20              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 17.989    | 18.45          |
| 41      | 30              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 26.929    | 27.51          |
| 41      | 30              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 26.796    | 27.87          |
| 41      | 40              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 36.162    | 37.02          |
| 41      | 40              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 36.149    | 36.91          |
| 41      | 50              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 46.195    | 47.06          |
| 41      | 50              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 46.135    | 47.18          |
| 41      | 60              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 58.243    | 59.67          |
| 41      | 60              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 58.509    | 59.56          |
| 41      | 80              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 77.892    | 79.18          |
| 41      | 80              | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 77.810    | 79.29          |
| 41      | 90              | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 86.749    | 88.16          |



No. I21N03262-RF-NR

|    |     |        |         |                         |        |       |
|----|-----|--------|---------|-------------------------|--------|-------|
| 41 | 90  | 518598 | 2592.99 | DFT-s-OFDM<br>QPSK      | 86.507 | 88.10 |
| 41 | 100 | 518598 | 2592.99 | DFT-s-OFDM<br>PI/2 BPSK | 97.174 | 99.13 |
| 41 | 100 | 518598 | 2592.99 | DFT-s-OFDM<br>QPSK      | 97.203 | 99.10 |

n41(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n41(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n41(30M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n41(30M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

n41(40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n41(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



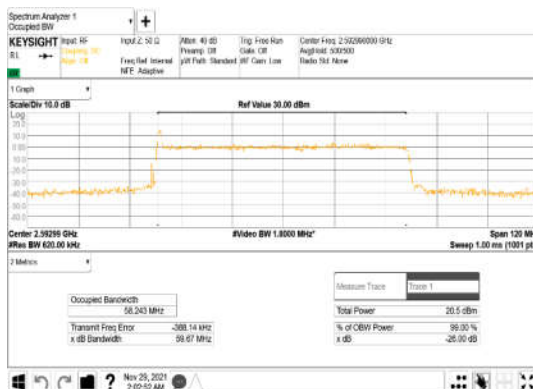
n41(50M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n41(50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n41(60M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n41(60M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

n41(80M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n41(80M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n41(90M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n41(90M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n41(100M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n41(100M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

| NR Band | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation              | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------------|--------|------------|-------------------------|-----------|----------------|
| 66      | 5               | 429000 | 1745.0     | DFT-s-OFDM<br>PI/2 BPSK | 4.4697    | 4.613          |
| 66      | 5               | 429000 | 1745.0     | DFT-s-OFDM<br>QPSK      | 4.4735    | 4.617          |
| 66      | 10              | 429000 | 1745.0     | DFT-s-OFDM<br>PI/2 BPSK | 8.9685    | 9.172          |
| 66      | 10              | 429000 | 1745.0     | DFT-s-OFDM<br>QPSK      | 8.9703    | 9.189          |
| 66      | 15              | 429000 | 1745.0     | DFT-s-OFDM<br>PI/2 BPSK | 13.502    | 13.78          |
| 66      | 15              | 429000 | 1745.0     | DFT-s-OFDM<br>QPSK      | 13.434    | 13.79          |
| 66      | 20              | 429000 | 1745.0     | DFT-s-OFDM<br>PI/2 BPSK | 18.005    | 18.40          |
| 66      | 20              | 429000 | 1745.0     | DFT-s-OFDM<br>QPSK      | 18.006    | 18.39          |
| 66      | 30              | 429000 | 1745.0     | DFT-s-OFDM<br>PI/2 BPSK | 28.748    | 29.44          |
| 66      | 30              | 429000 | 1745.0     | DFT-s-OFDM<br>QPSK      | 28.793    | 29.37          |
| 66      | 40              | 429000 | 1745.0     | DFT-s-OFDM<br>PI/2 BPSK | 38.876    | 39.69          |
| 66      | 40              | 429000 | 1745.0     | DFT-s-OFDM<br>QPSK      | 38.866    | 39.66          |

n66(5M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



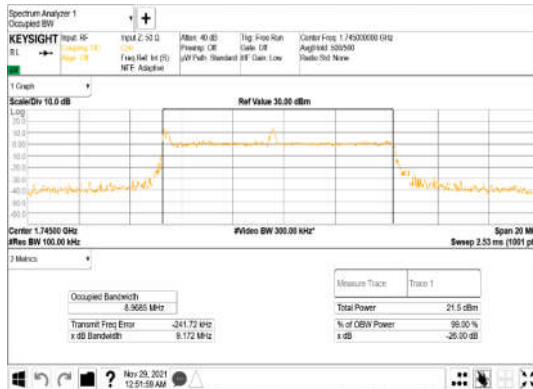
n66(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



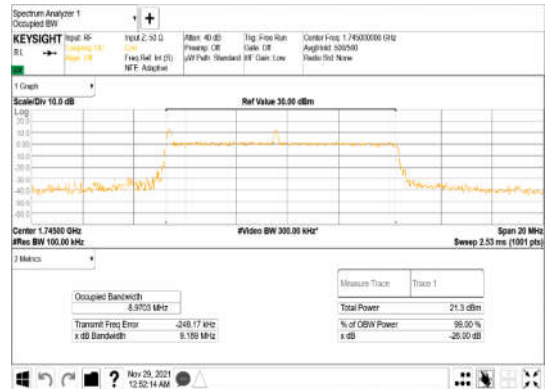


No. I21N03262-RF-NR

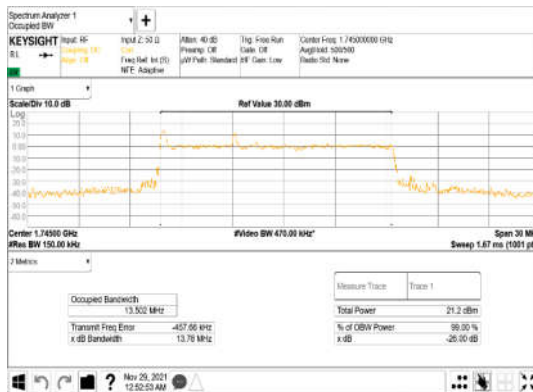
n66(10M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



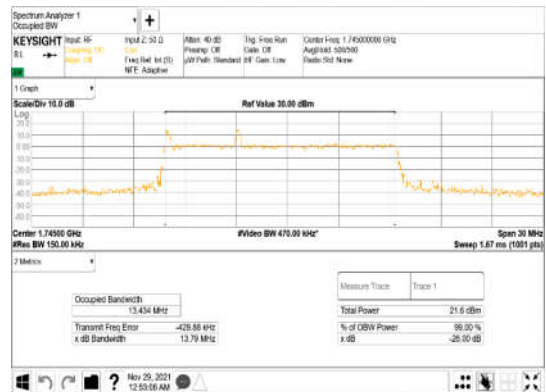
n66(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



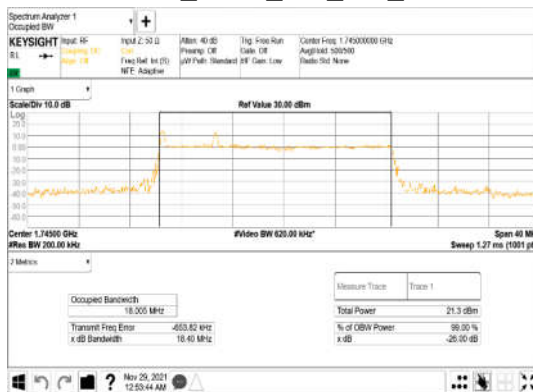
n66(15M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



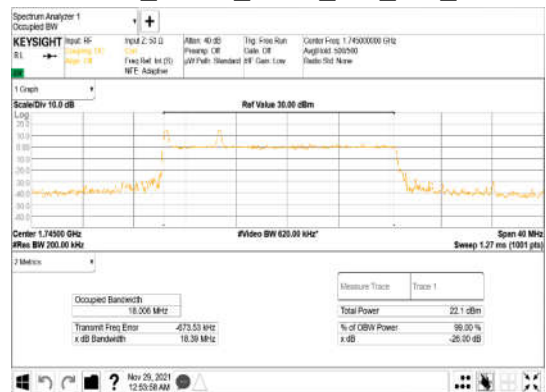
n66(15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n66(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



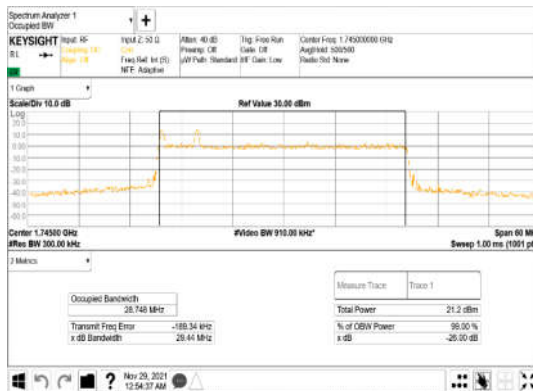
n66(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

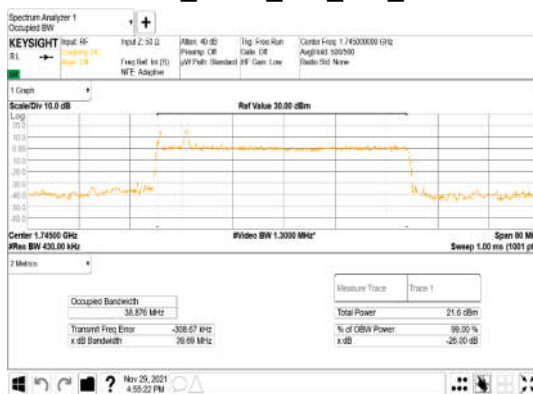
n66(30M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



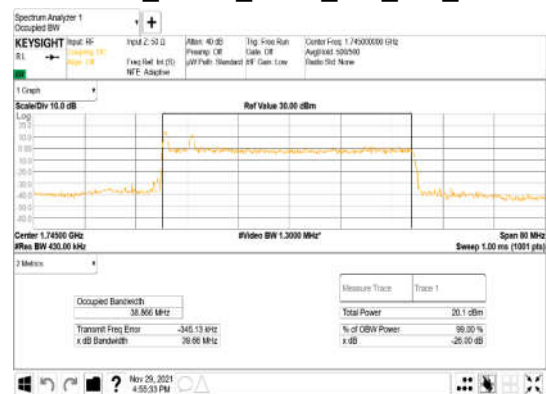
n66(30M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



n66(40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



n66(40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



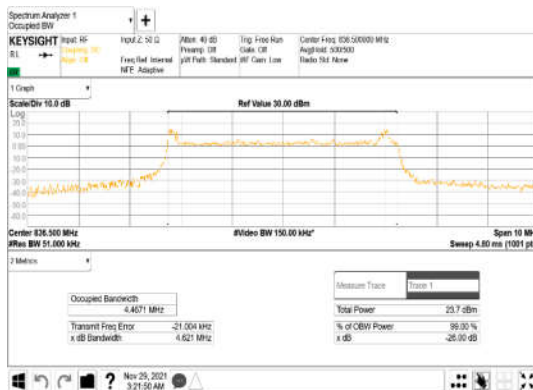
| EN-DC Band | NR Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | OBW (MHz) | 26dB OBW (MHz) |
|------------|--------------------|--------|------------|----------------------|-----------|----------------|
| DC_66A_n5A | 5                  | 176300 | 836.5      | DFT-s-OFDM PI/2 BPSK | 4.4671    | 4.621          |
| DC_66A_n5A | 5                  | 176300 | 836.5      | DFT-s-OFDM QPSK      | 4.4818    | 4.613          |
| DC_66A_n5A | 10                 | 176300 | 836.5      | DFT-s-OFDM PI/2 BPSK | 8.9891    | 9.300          |
| DC_66A_n5A | 10                 | 176300 | 836.5      | DFT-s-OFDM QPSK      | 8.9110    | 9.184          |
| DC_66A_n5A | 15                 | 176300 | 836.5      | DFT-s-OFDM PI/2 BPSK | 13.336    | 13.72          |
| DC_66A_n5A | 15                 | 176300 | 836.5      | DFT-s-OFDM QPSK      | 13.508    | 13.78          |
| DC_66A_n5A | 20                 | 176300 | 836.5      | DFT-s-OFDM           | 17.974    | 18.42          |



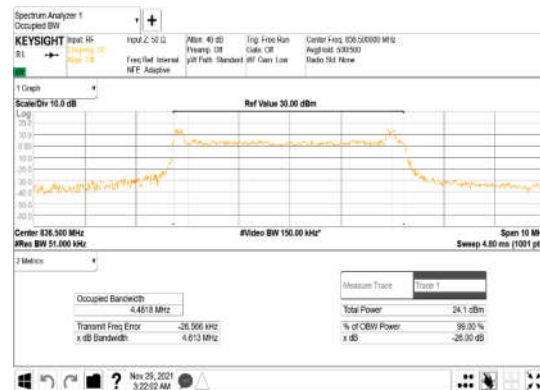
No. I21N03262-RF-NR

|            |    |        |       |                    |        |       |
|------------|----|--------|-------|--------------------|--------|-------|
|            |    |        |       | PI/2 BPSK          |        |       |
| DC_66A_n5A | 20 | 176300 | 836.5 | DFT-s-OFDM<br>QPSK | 18.027 | 18.49 |

DC\_66A\_n5A (5M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n5A (5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n5A (10M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



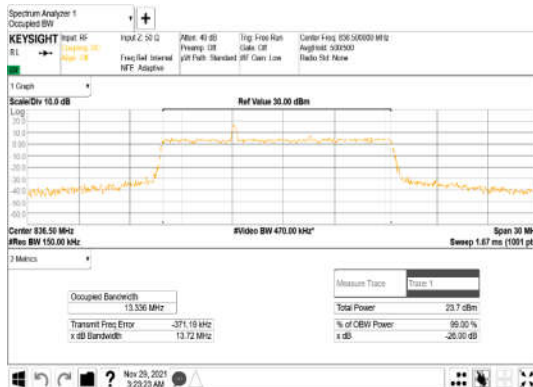
DC\_66A\_n5A (10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

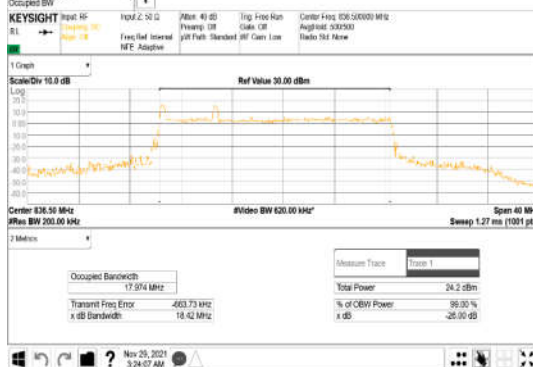
DC\_66A\_n5A (15M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n5A (15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n5A (20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n5A (20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



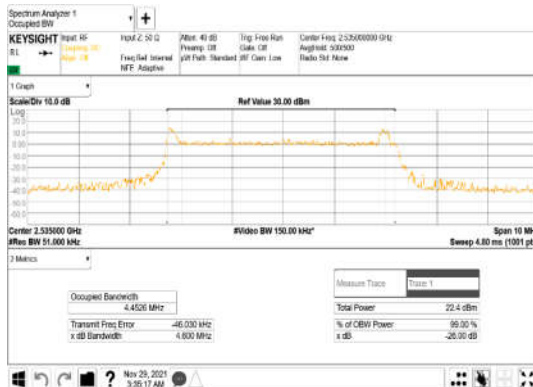
| EN-DC Band | NR Bandwidth(MHz) | Arfcn  | Freq (MHz) | Modulation           | OBW (MHz) | 26dB OBW (MHz) |
|------------|-------------------|--------|------------|----------------------|-----------|----------------|
| DC_5A_n7A  | 5                 | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 4.4526    | 4.600          |
| DC_5A_n7A  | 5                 | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 4.4762    | 4.595          |
| DC_5A_n7A  | 10                | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 8.8829    | 9.162          |
| DC_5A_n7A  | 10                | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 8.8950    | 9.144          |
| DC_5A_n7A  | 15                | 531000 | 2535.0     | DFT-s-               | 13.412    | 13.76          |

|           |    |        |        |                             |        |       |
|-----------|----|--------|--------|-----------------------------|--------|-------|
|           |    |        |        | OFDM PI/2<br>BPSK           |        |       |
| DC_5A_n7A | 15 | 531000 | 2535.0 | DFT-s-<br>OFDM<br>QPSK      | 13.437 | 13.78 |
| DC_5A_n7A | 20 | 531000 | 2535.0 | DFT-s-<br>OFDM PI/2<br>BPSK | 17.991 | 18.37 |
| DC_5A_n7A | 20 | 531000 | 2535.0 | DFT-s-<br>OFDM<br>QPSK      | 17.971 | 18.48 |
| DC_5A_n7A | 25 | 531000 | 2535.0 | DFT-s-<br>OFDM PI/2<br>BPSK | 22.987 | 23.76 |
| DC_5A_n7A | 25 | 531000 | 2535.0 | DFT-s-<br>OFDM<br>QPSK      | 22.935 | 23.56 |
| DC_5A_n7A | 30 | 531000 | 2535.0 | DFT-s-<br>OFDM PI/2<br>BPSK | 28.628 | 29.66 |
| DC_5A_n7A | 30 | 531000 | 2535.0 | DFT-s-<br>OFDM<br>QPSK      | 28.659 | 29.37 |
| DC_5A_n7A | 40 | 531000 | 2535.0 | DFT-s-<br>OFDM PI/2<br>BPSK | 38.849 | 39.67 |
| DC_5A_n7A | 40 | 531000 | 2535.0 | DFT-s-<br>OFDM<br>QPSK      | 38.734 | 39.62 |
| DC_5A_n7A | 50 | 531000 | 2535.0 | DFT-s-<br>OFDM PI/2<br>BPSK | 48.608 | 49.54 |
| DC_5A_n7A | 50 | 531000 | 2535.0 | DFT-s-<br>OFDM<br>QPSK      | 48.708 | 49.66 |



No. I21N03262-RF-NR

### DC\_5A\_n7A (5M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



### DC\_5A\_n7A (5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### DC\_5A\_n7A (10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



### DC\_5A\_n7A (10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### DC\_5A\_n7A (15M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



### DC\_5A\_n7A (15M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

DC\_5A\_n7A (20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_5A\_n7A (20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_5A\_n7A (25M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_5A\_n7A (25M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_5A\_n7A (30M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_5A\_n7A (30M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

DC\_5A\_n7A (40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_5A\_n7A (40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_5A\_n7A (50M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_5A\_n7A (50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



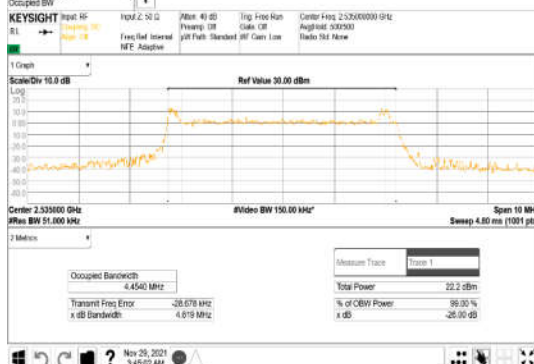
| EN-DC Band | NR Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | OBW (MHz) | 26dB OBW (MHz) |
|------------|--------------------|--------|------------|----------------------|-----------|----------------|
| DC_66A_n7A | 5                  | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 4.4540    | 4.619          |
| DC_66A_n7A | 5                  | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 4.4522    | 4.631          |
| DC_66A_n7A | 10                 | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 8.9454    | 9.190          |
| DC_66A_n7A | 10                 | 531000 | 2535.0     | DFT-s-OFDM QPSK      | 8.9587    | 9.215          |
| DC_66A_n7A | 15                 | 531000 | 2535.0     | DFT-s-OFDM PI/2 BPSK | 13.441    | 13.77          |
| DC_66A_n7A | 15                 | 531000 | 2535.0     | DFT-s-OFDM           | 13.464    | 13.78          |



No. I21N03262-RF-NR

|            |    |        |        |                         |        |       |
|------------|----|--------|--------|-------------------------|--------|-------|
|            |    |        |        | QPSK                    |        |       |
| DC_66A_n7A | 20 | 531000 | 2535.0 | DFT-s-OFDM<br>PI/2 BPSK | 17.988 | 18.41 |
| DC_66A_n7A | 20 | 531000 | 2535.0 | DFT-s-OFDM<br>QPSK      | 17.981 | 18.37 |
| DC_66A_n7A | 25 | 531000 | 2535.0 | DFT-s-OFDM<br>PI/2 BPSK | 22.929 | 23.49 |
| DC_66A_n7A | 25 | 531000 | 2535.0 | DFT-s-OFDM<br>QPSK      | 22.858 | 23.85 |
| DC_66A_n7A | 30 | 531000 | 2535.0 | DFT-s-OFDM<br>PI/2 BPSK | 28.774 | 29.4  |
| DC_66A_n7A | 30 | 531000 | 2535.0 | DFT-s-OFDM<br>QPSK      | 28.735 | 29.36 |
| DC_66A_n7A | 40 | 531000 | 2535.0 | DFT-s-OFDM<br>PI/2 BPSK | 38.932 | 39.74 |
| DC_66A_n7A | 40 | 531000 | 2535.0 | DFT-s-OFDM<br>QPSK      | 38.847 | 39.70 |
| DC_66A_n7A | 50 | 531000 | 2535.0 | DFT-s-OFDM<br>PI/2 BPSK | 48.578 | 49.58 |
| DC_66A_n7A | 50 | 531000 | 2535.0 | DFT-s-OFDM<br>QPSK      | 48.641 | 49.53 |

DC\_66A\_n7A (5M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



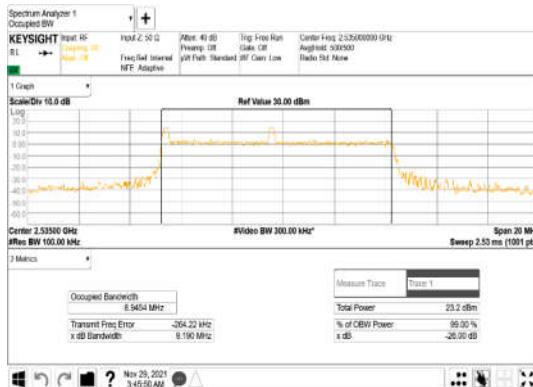
DC\_66A\_n7A (5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

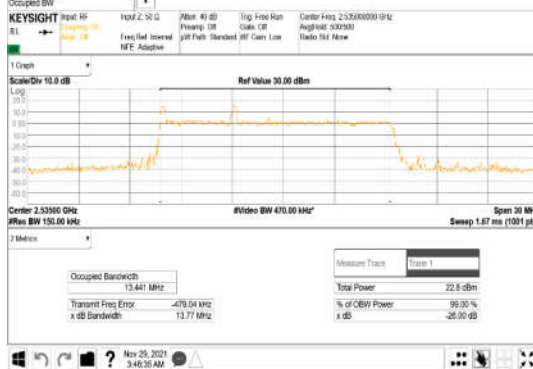
DC\_66A\_n7A (10M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



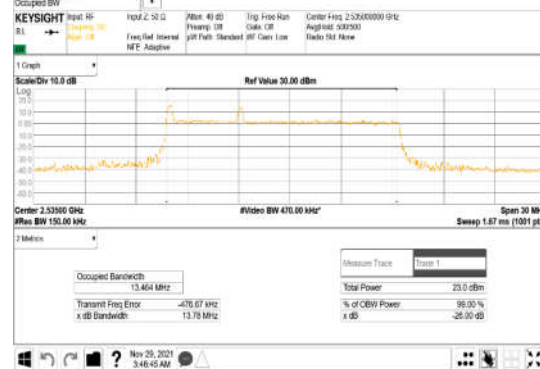
DC\_66A\_n7A (10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



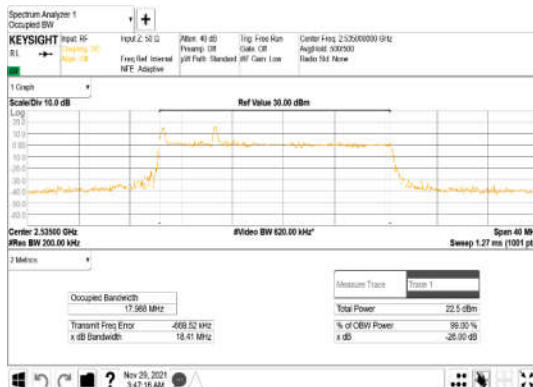
DC\_66A\_n7A (15M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n7A (15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n7A (20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n7A (20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



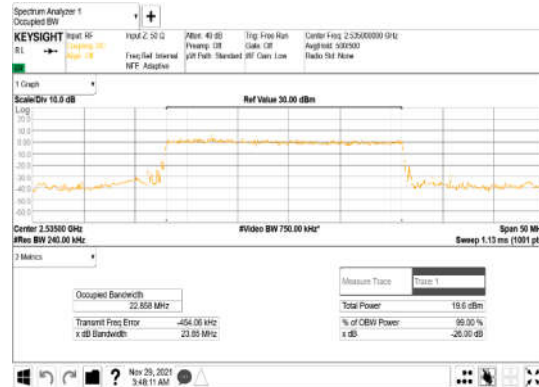


No. I21N03262-RF-NR

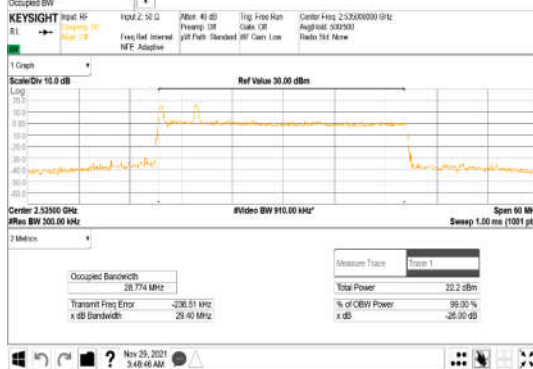
DC\_66A\_n7A (25M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



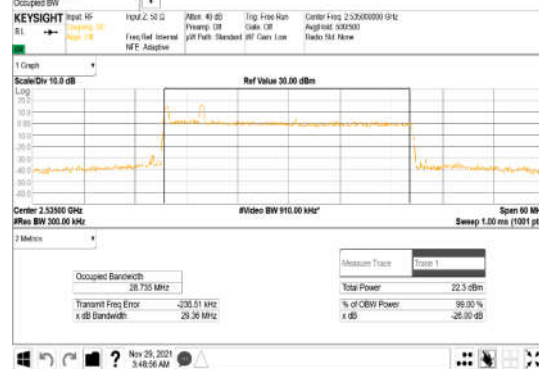
DC\_66A\_n7A (25M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n7A (30M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n7A (30M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n7A (40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_66A\_n7A (40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

DC\_66A\_n7A (50M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH

DC\_66A\_n7A (50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



| EN-DC Band  | NR Bandwidth(MHz) | Arfcn  | Freq (MHz) | Modulation           | OBW (MHz) | 26dB OBW (MHz) |
|-------------|-------------------|--------|------------|----------------------|-----------|----------------|
| DC_26A_n41A | 20                | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 17.961    | 18.43          |
| DC_26A_n41A | 20                | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 17.936    | 18.38          |
| DC_26A_n41A | 30                | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 27.073    | 27.96          |
| DC_26A_n41A | 30                | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 27.016    | 27.63          |
| DC_26A_n41A | 40                | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 36.093    | 36.86          |
| DC_26A_n41A | 40                | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 36.127    | 36.86          |
| DC_26A_n41A | 50                | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 46.151    | 46.98          |
| DC_26A_n41A | 50                | 518598 | 2592.99    | DFT-s-OFDM QPSK      | 46.125    | 47.49          |
| DC_26A_n41A | 60                | 518598 | 2592.99    | DFT-s-OFDM PI/2 BPSK | 58.555    | 59.52          |



No. I21N03262-RF-NR

|             |     |        |         |                      |        |       |
|-------------|-----|--------|---------|----------------------|--------|-------|
| DC_26A_n41A | 60  | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 58.485 | 59.62 |
| DC_26A_n41A | 80  | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 77.810 | 79.26 |
| DC_26A_n41A | 80  | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 77.827 | 79.31 |
| DC_26A_n41A | 90  | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 86.477 | 88.21 |
| DC_26A_n41A | 90  | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 86.574 | 88.12 |
| DC_26A_n41A | 100 | 518598 | 2592.99 | DFT-s-OFDM PI/2 BPSK | 97.225 | 99.08 |
| DC_26A_n41A | 100 | 518598 | 2592.99 | DFT-s-OFDM QPSK      | 97.244 | 98.97 |

DC\_26A\_n41A (20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

DC\_26A\_n41A (30M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (30M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



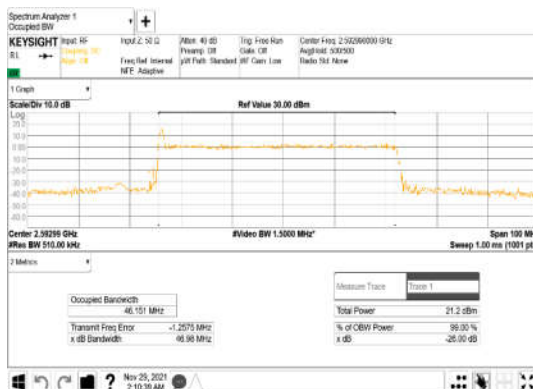
DC\_26A\_n41A (40M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (40M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (50M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

DC\_26A\_n41A (60M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (60M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (80M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (80M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (90M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A (90M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH





No. I21N03262-RF-NR

DC\_26A\_n41A(100M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



DC\_26A\_n41A(100M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



Note: Expanded measurement uncertainty is  $U = 3428$  Hz,  $k = 2$

## **A.5 BAND EDGE COMPLIANCE**

### **Reference**

FCC: CFR Part 2.1051, 22.917, 27.53.

#### **A.5.1 Measurement limit**

Part 22.917 For operations in the 824–849MHz band, the FCC limit is  $43 + 10 \log (P)$  dB below the transmitter power(P) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log (P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log (P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log (P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

#### **A.5.2 Measurement Procedure**

The testing follows ANSI C63.26

- a) The EUT was connected to spectrum analyzer and system simulator via a power divider.
- b) The band edges of low and high channels for the highest RF powers were measured.
- c) Set RBW  $\geq 1\%$  EBW in the 1MHz band immediately outside and adjacent to the band edge.
- d) Set spectrum analyzer with RMS detector.
- e) The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- f) Checked that all the results comply with the emission limit line.

#### **A.5.3 Measurement result**

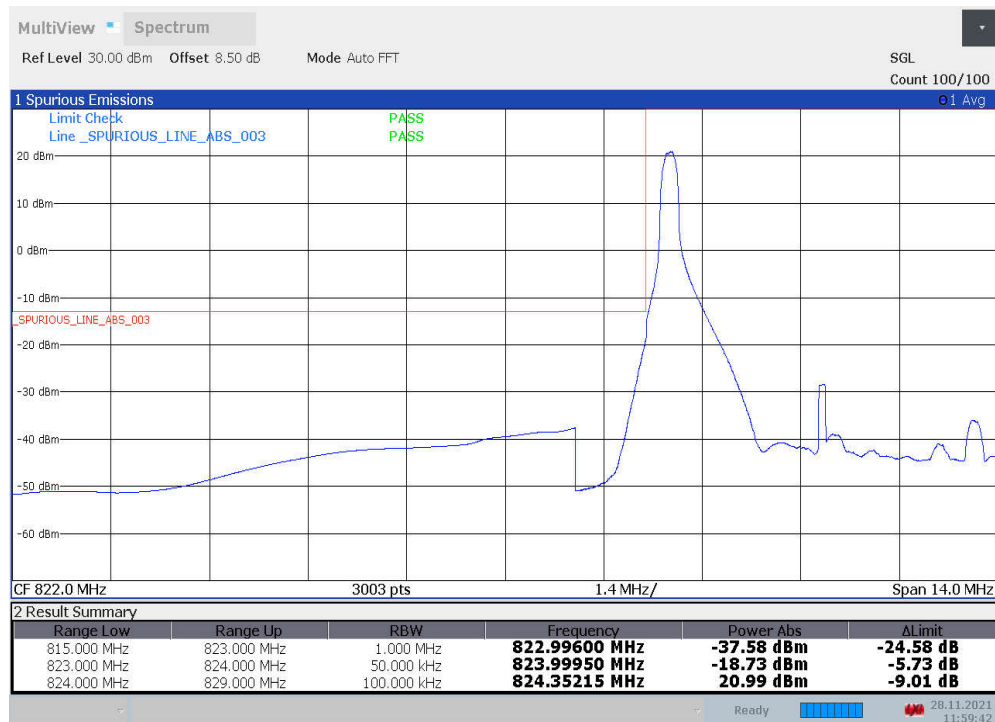
**Only worst case result is given below**

**n5**

n5(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low



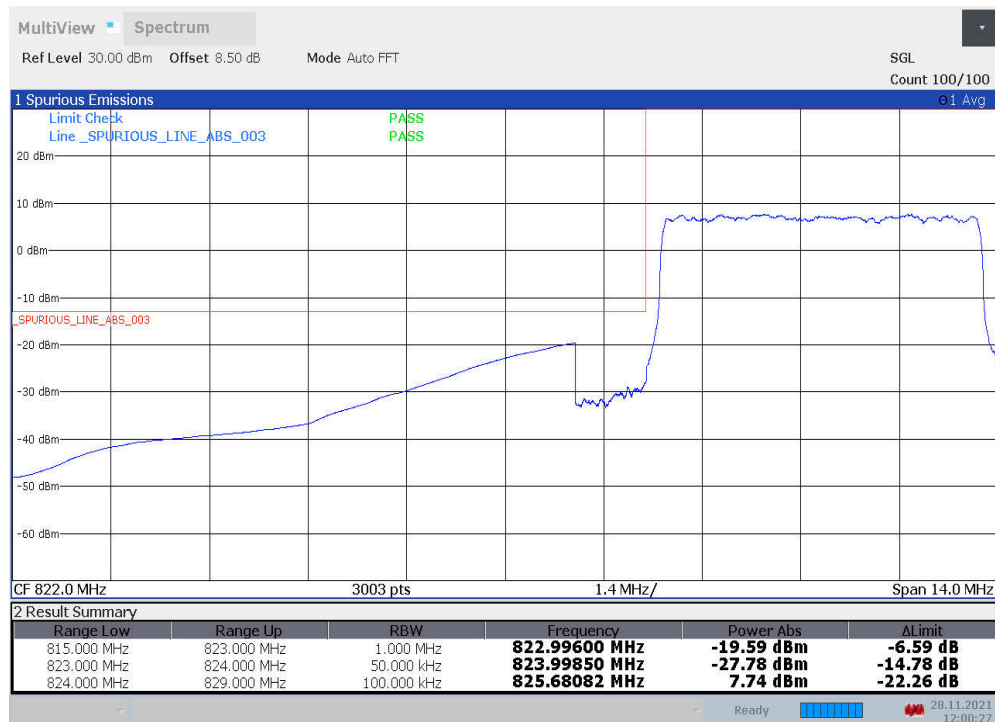
No. I21N03262-RF-NR



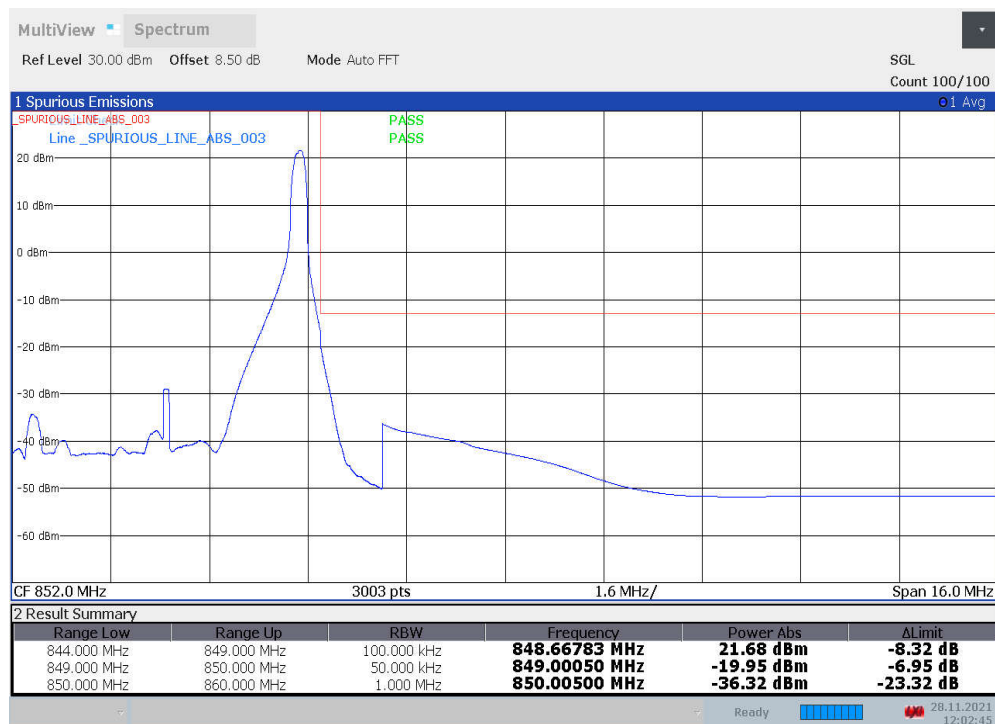
n5(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low



No. I21N03262-RF-NR



n5(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High



n5(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High

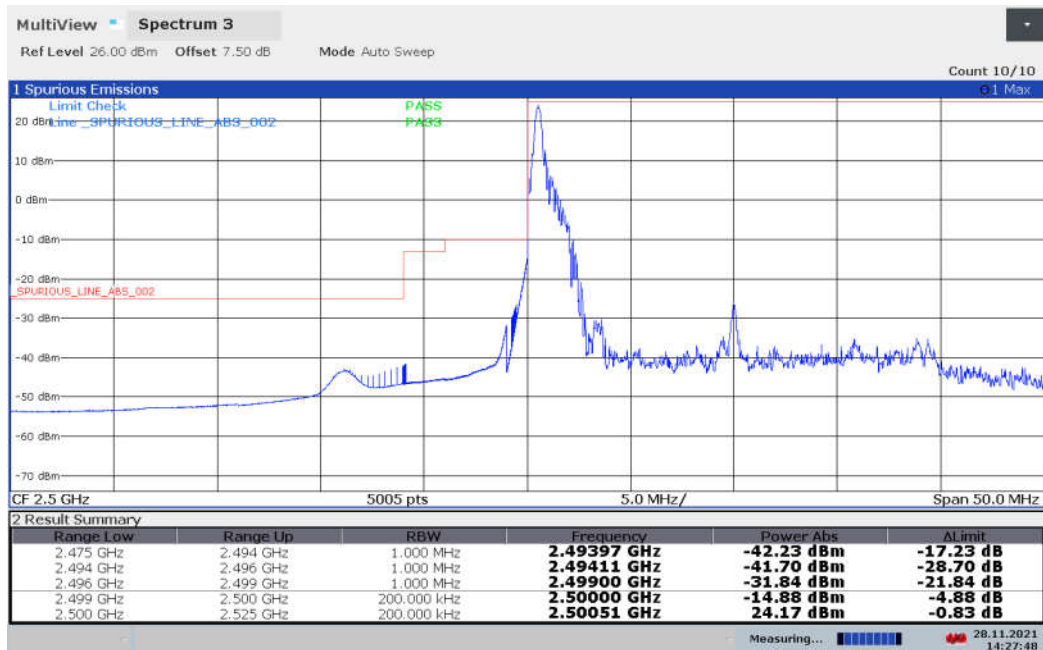


No. I21N03262-RF-NR

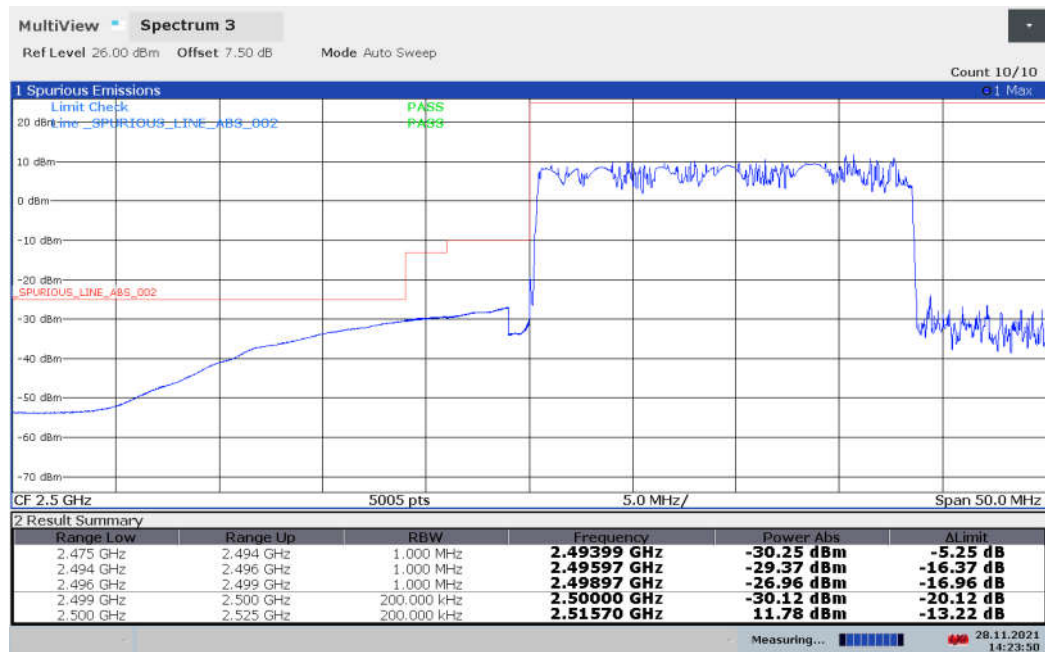


n7

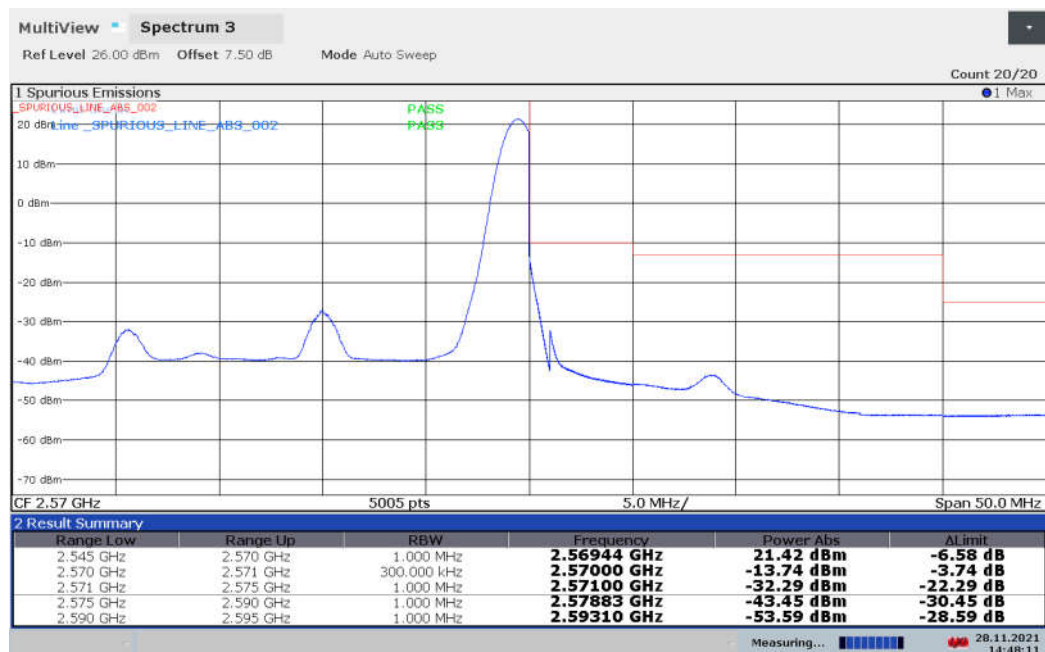
n7(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low



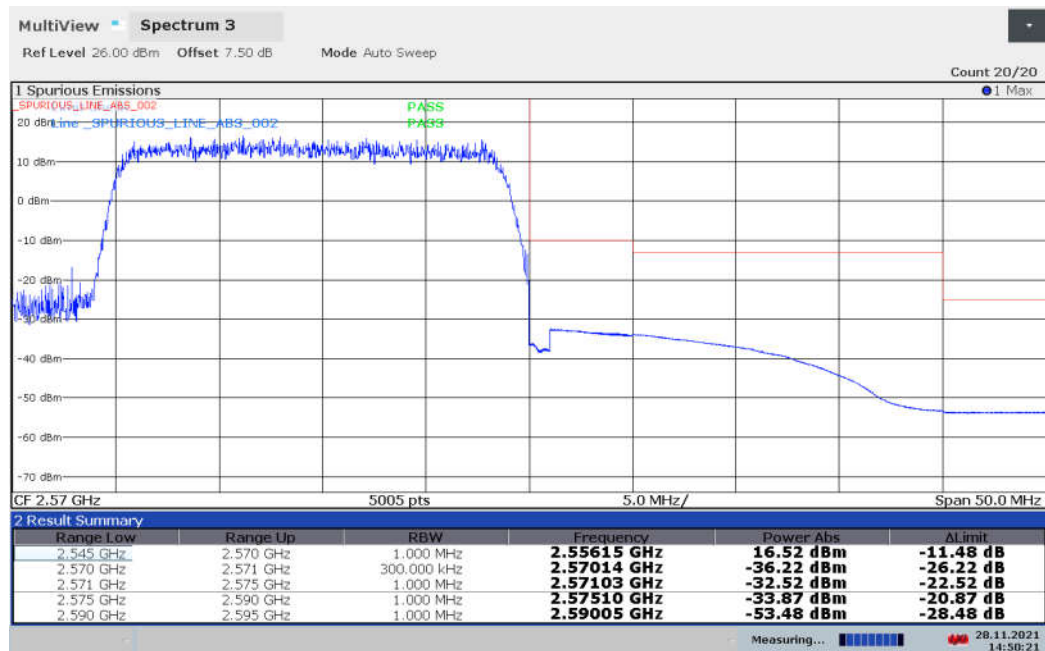
n7(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low



n7(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High

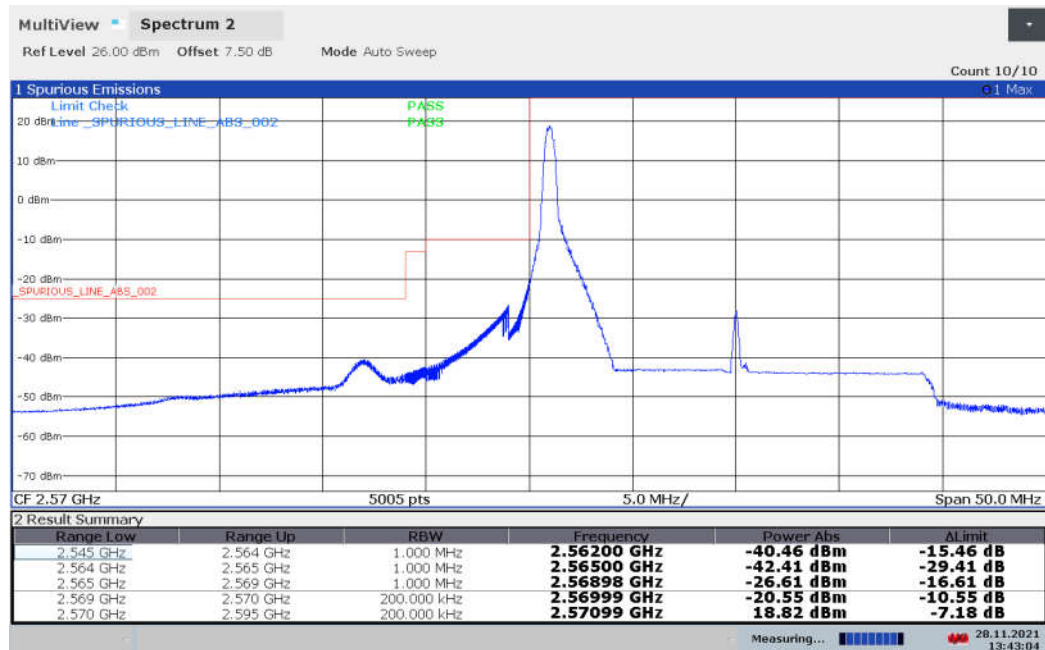


n7(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High



n38

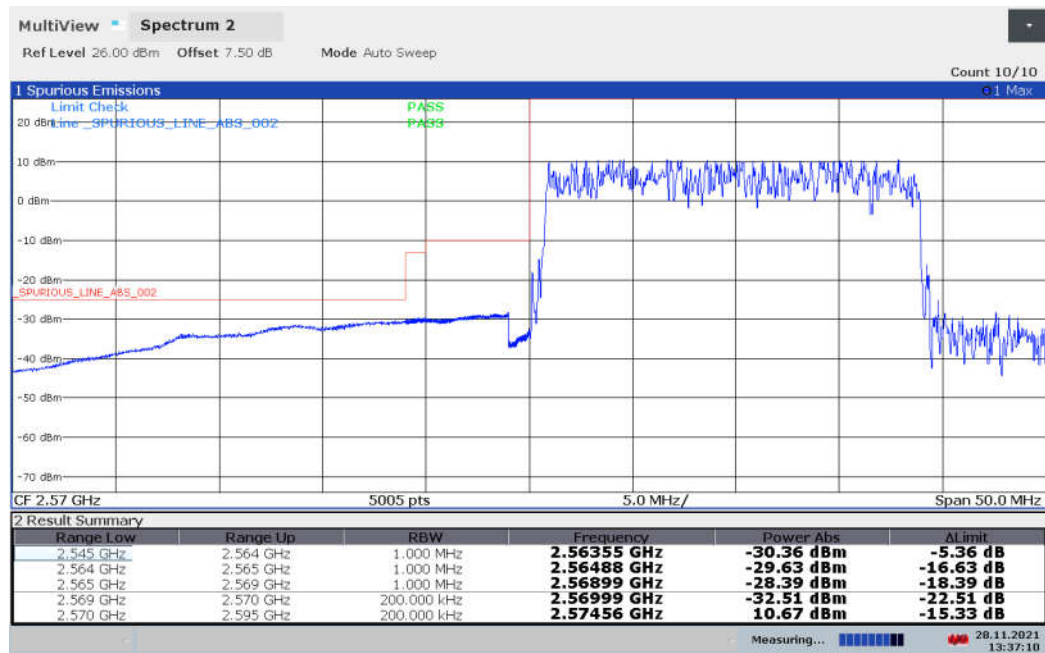
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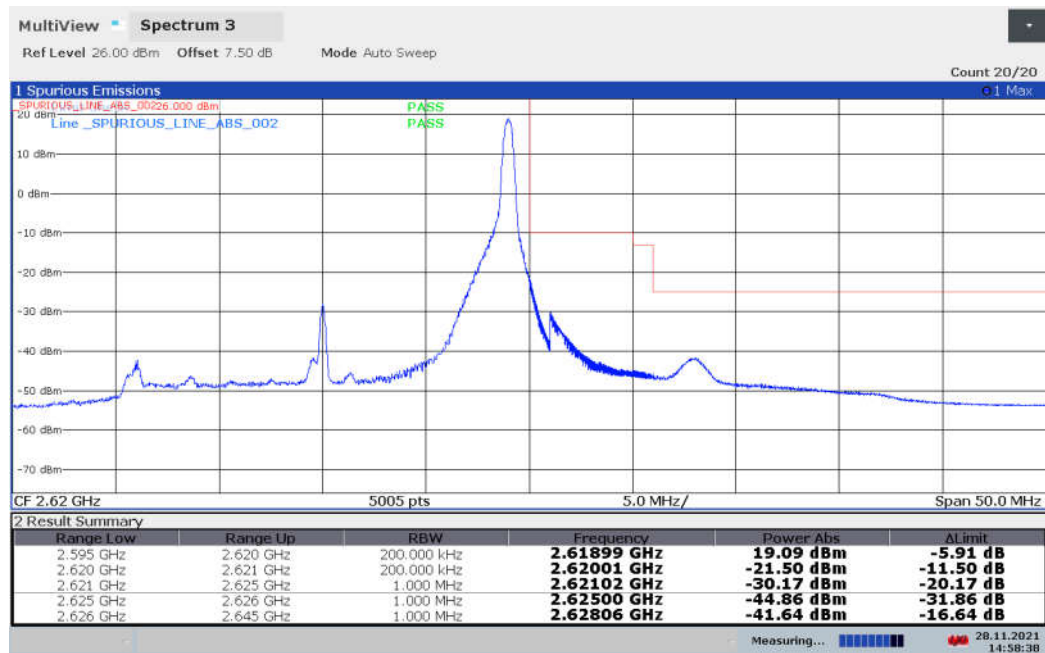
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No. I21N03262-RF-NR



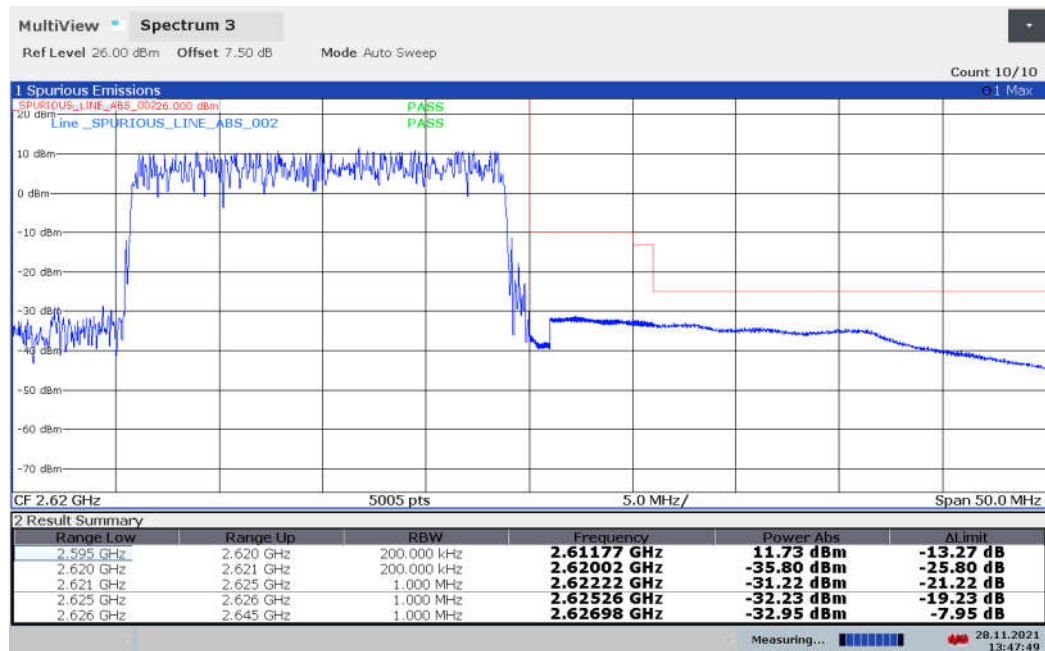
n38(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High



n38(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High

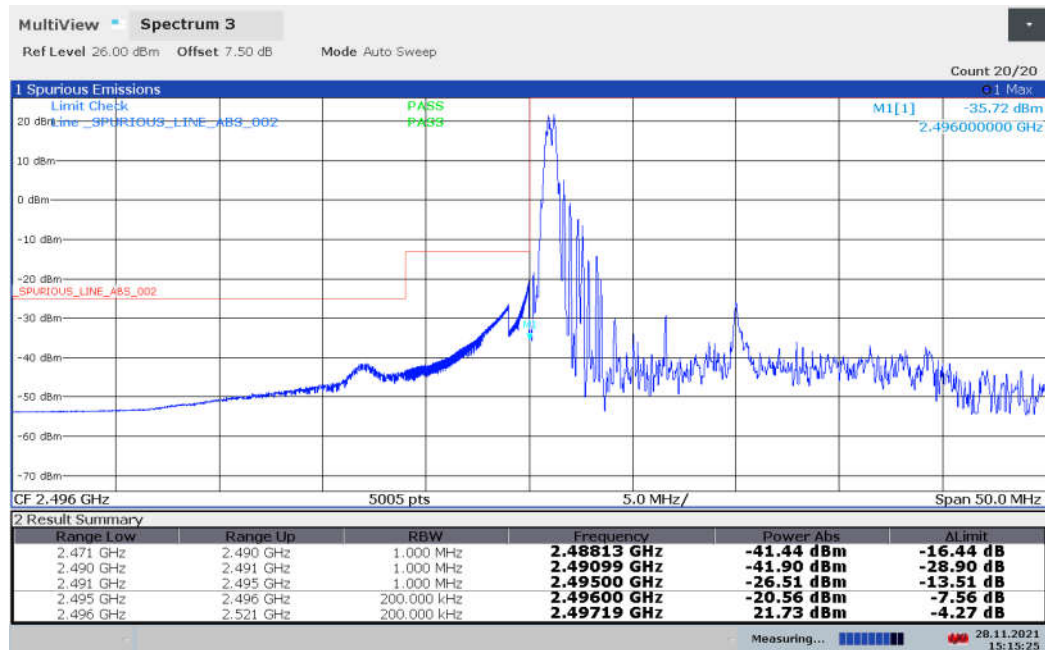


No. I21N03262-RF-NR

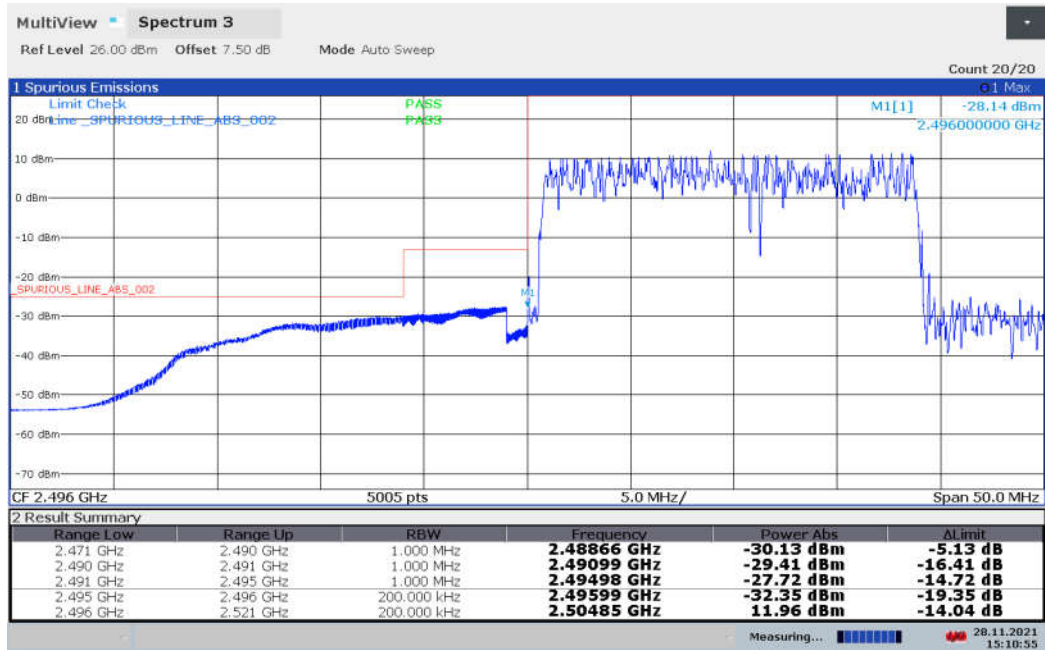


n41

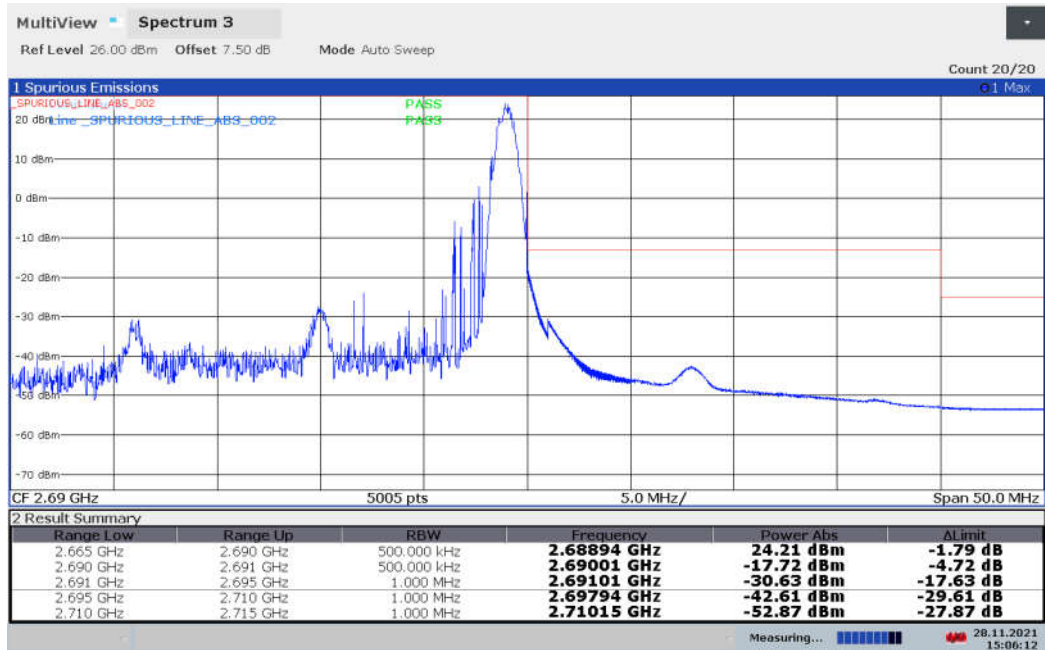
n41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low



n41(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low



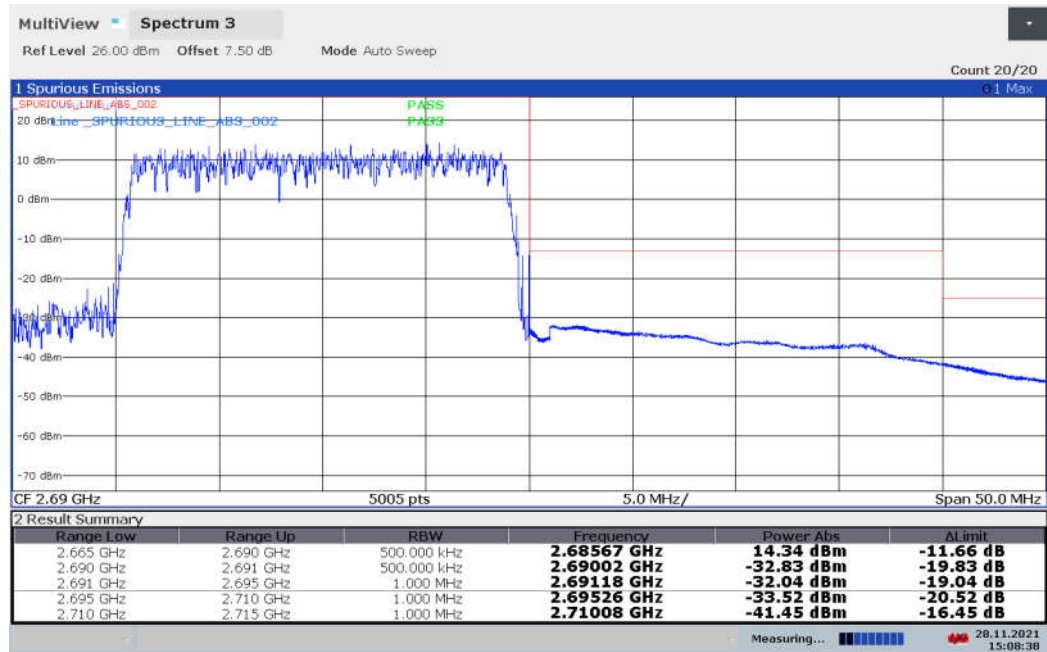
n41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High





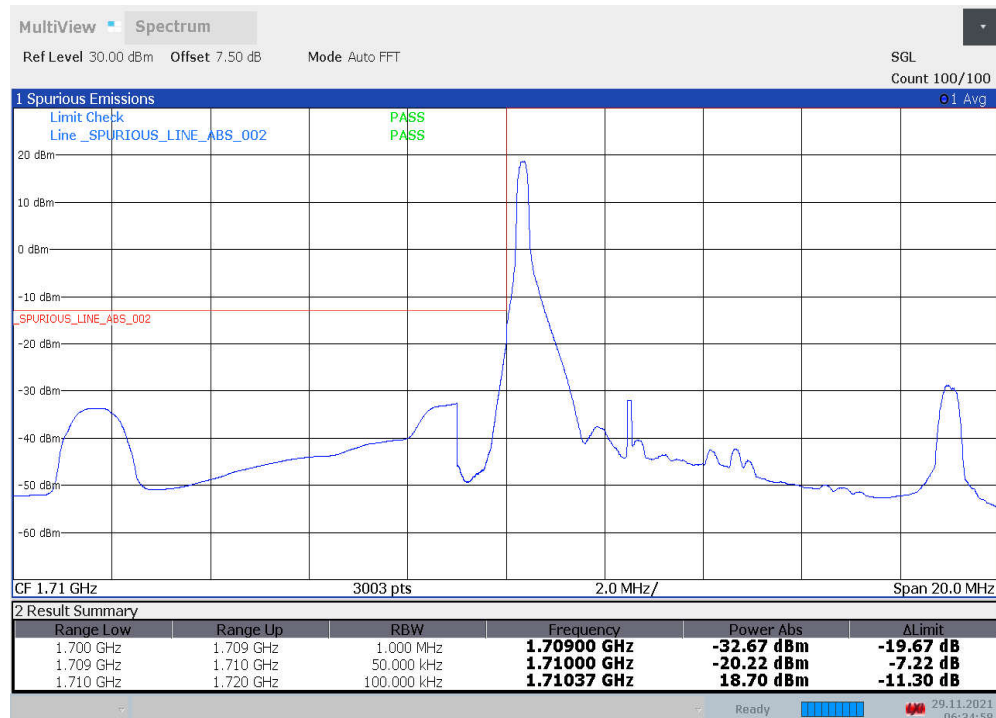
No. I21N03262-RF-NR

n41(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High



n66

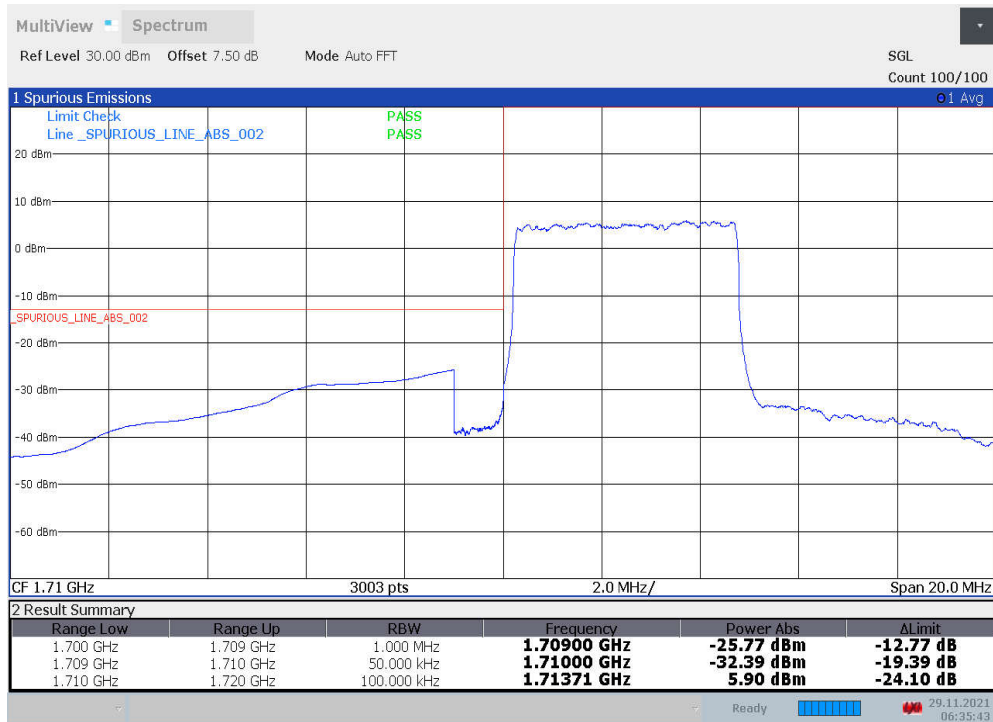
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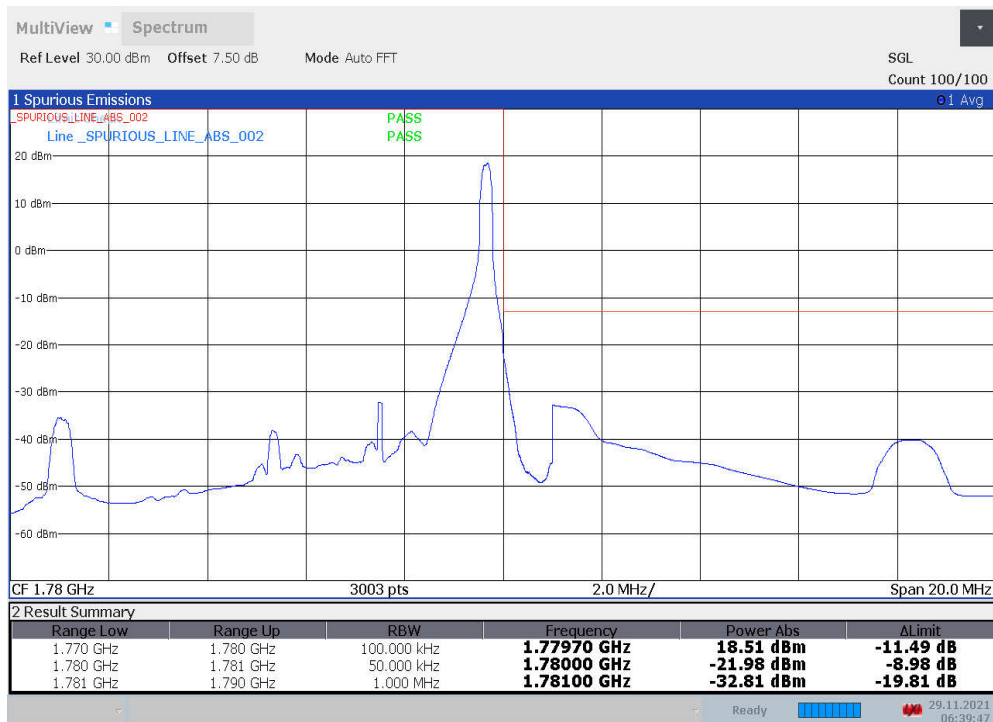
n66(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low



No. I21N03262-RF-NR



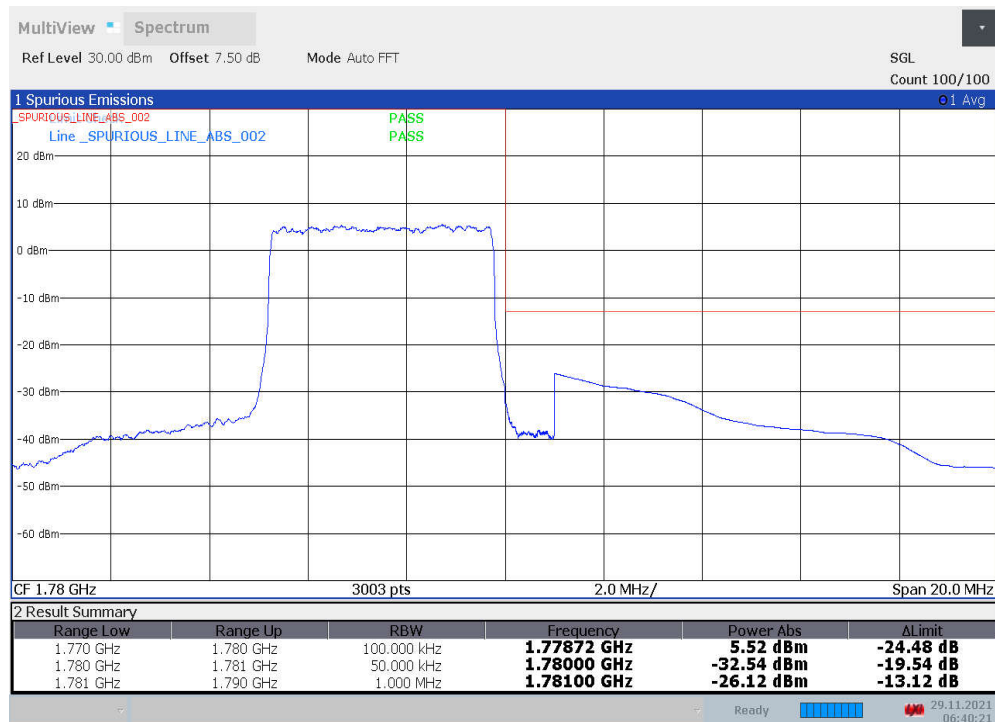
n66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High



n66(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High

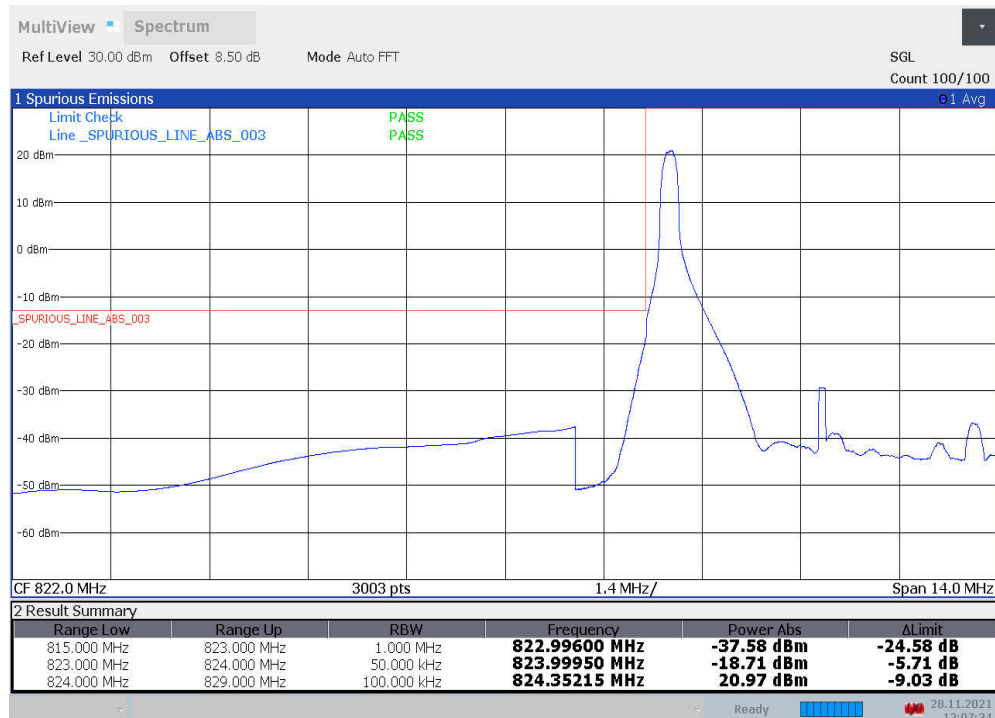


No. I21N03262-RF-NR



## DC\_66A\_n5A

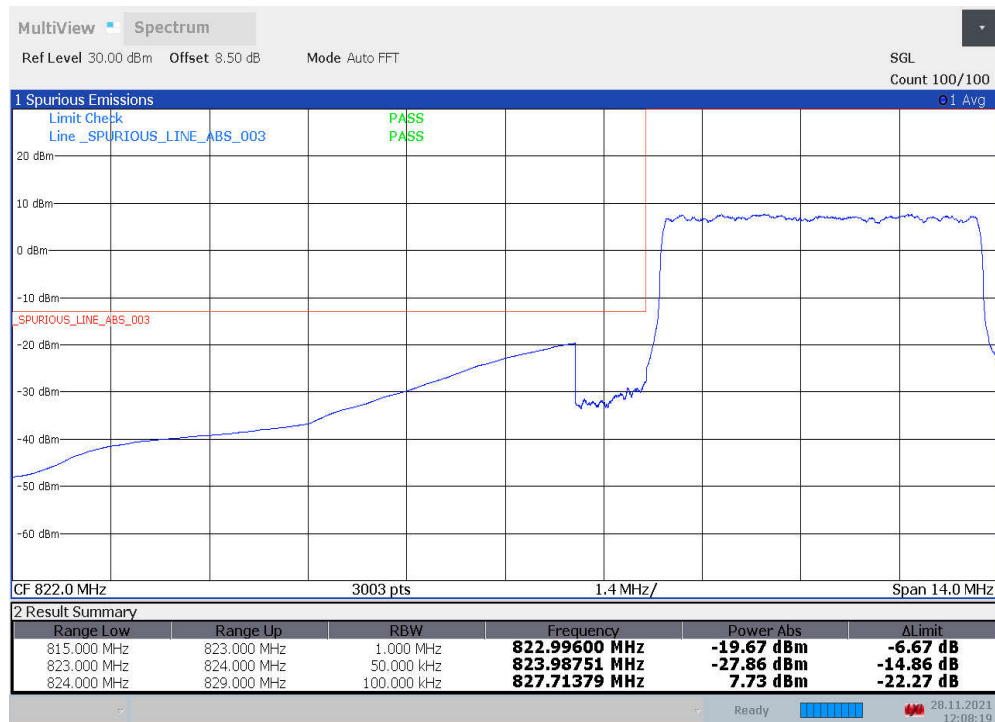
DC\_66A\_n5A (NR 5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low



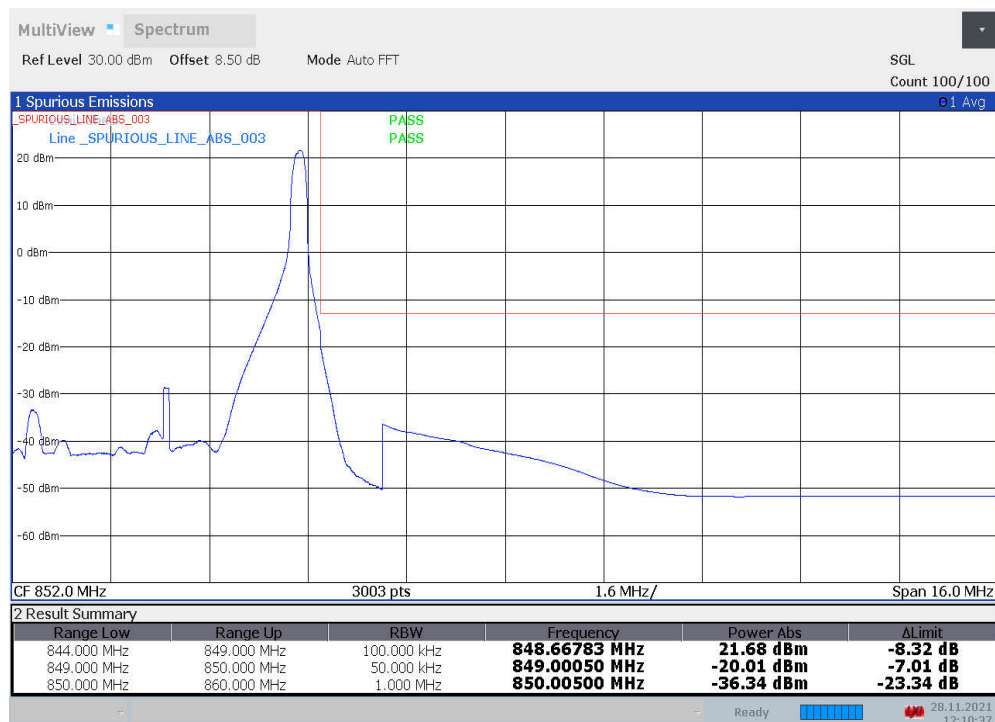
DC\_66A\_n5A (NR 5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low



No. I21N03262-RF-NR



DC\_66A\_n5A (NR 5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High



DC\_66A\_n5A (NR 5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High

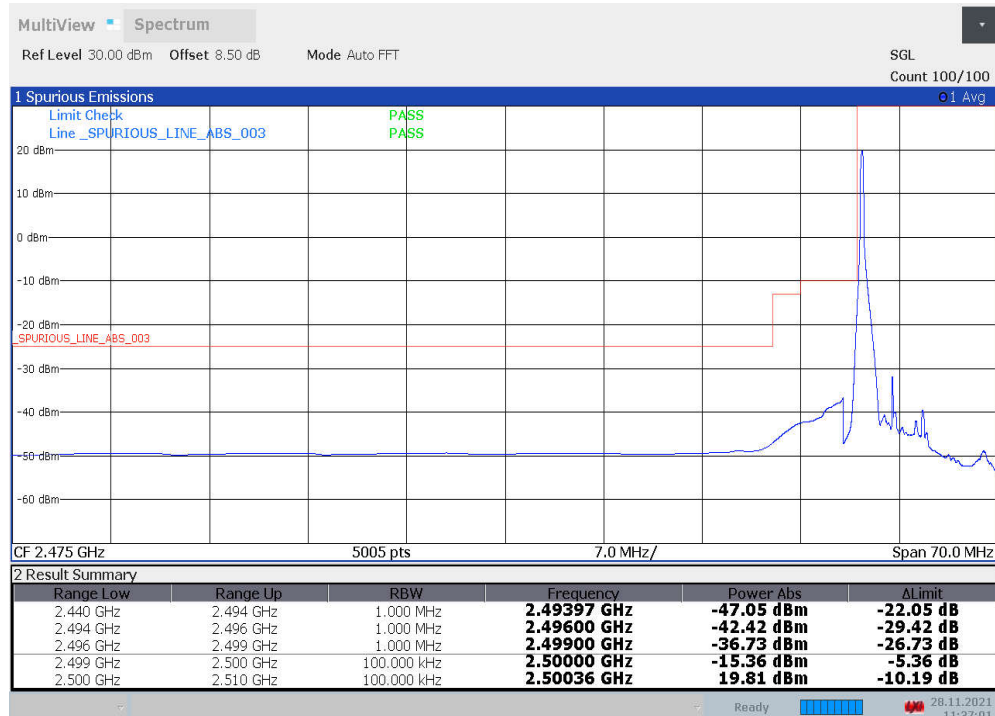


No. I21N03262-RF-NR



## DC\_5A\_n7A

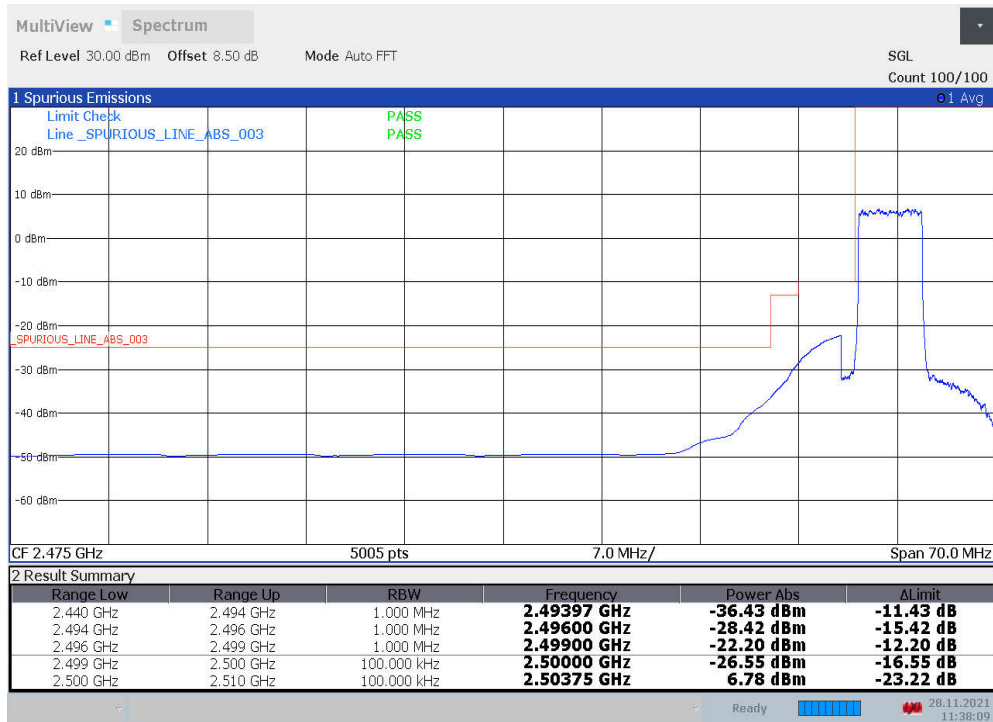
DC\_5A\_n7A (NR 5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low



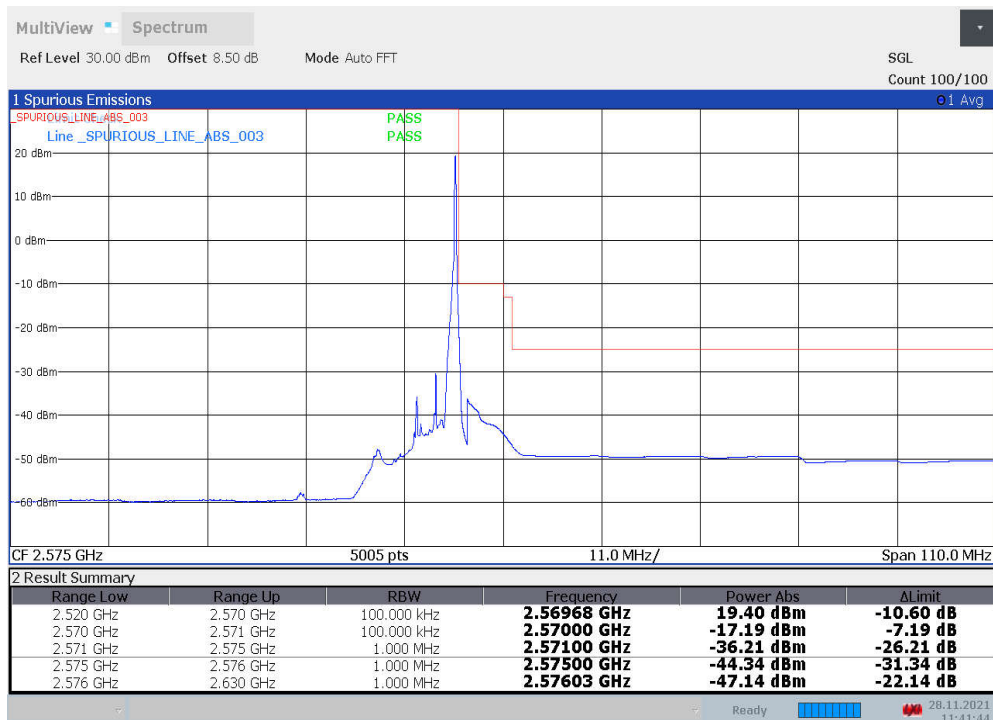
DC\_5A\_n7A (NR 5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low



No. I21N03262-RF-NR



DC\_5A\_n7A (NR 5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High



DC\_5A\_n7A (NR 5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High