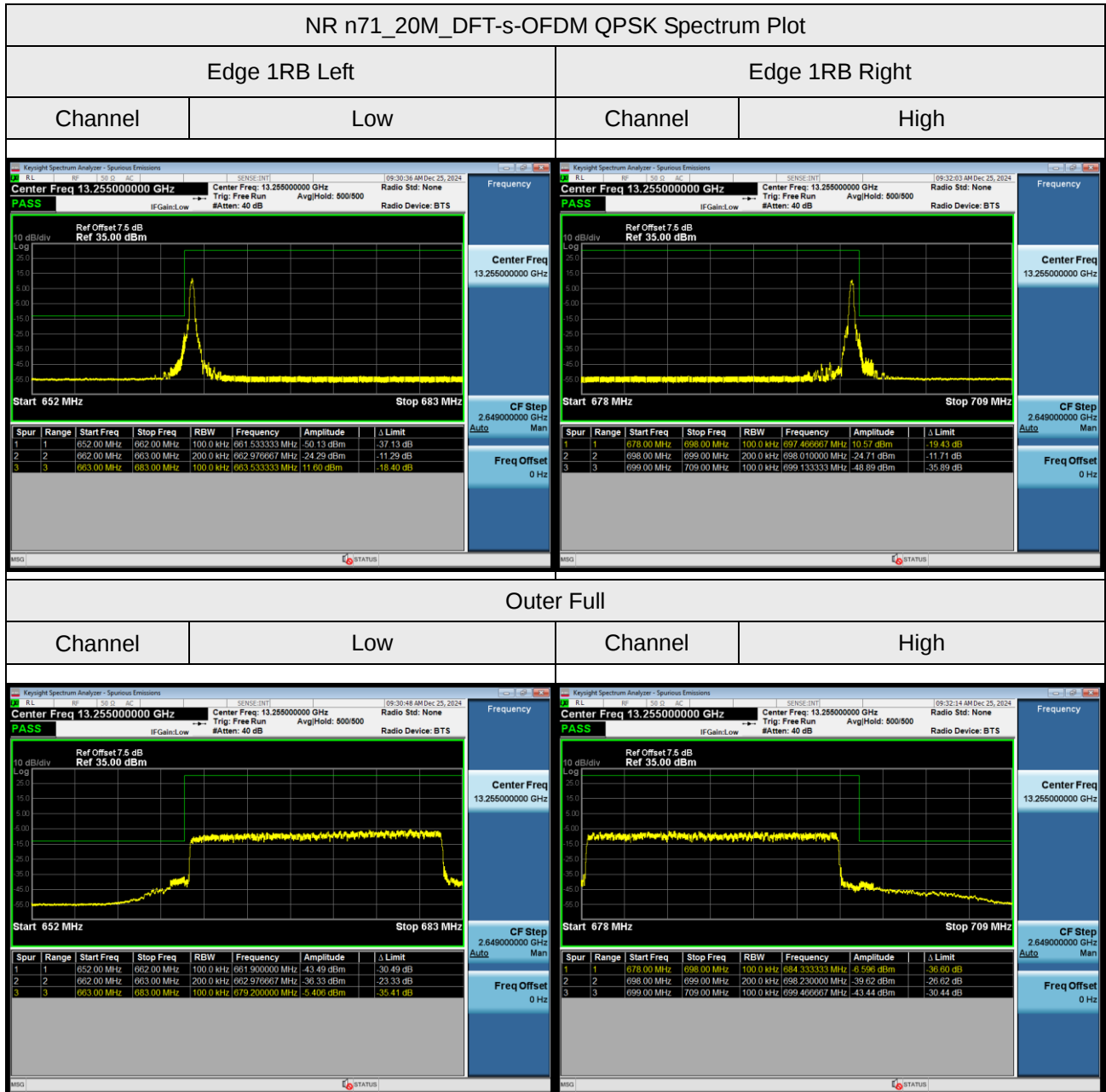
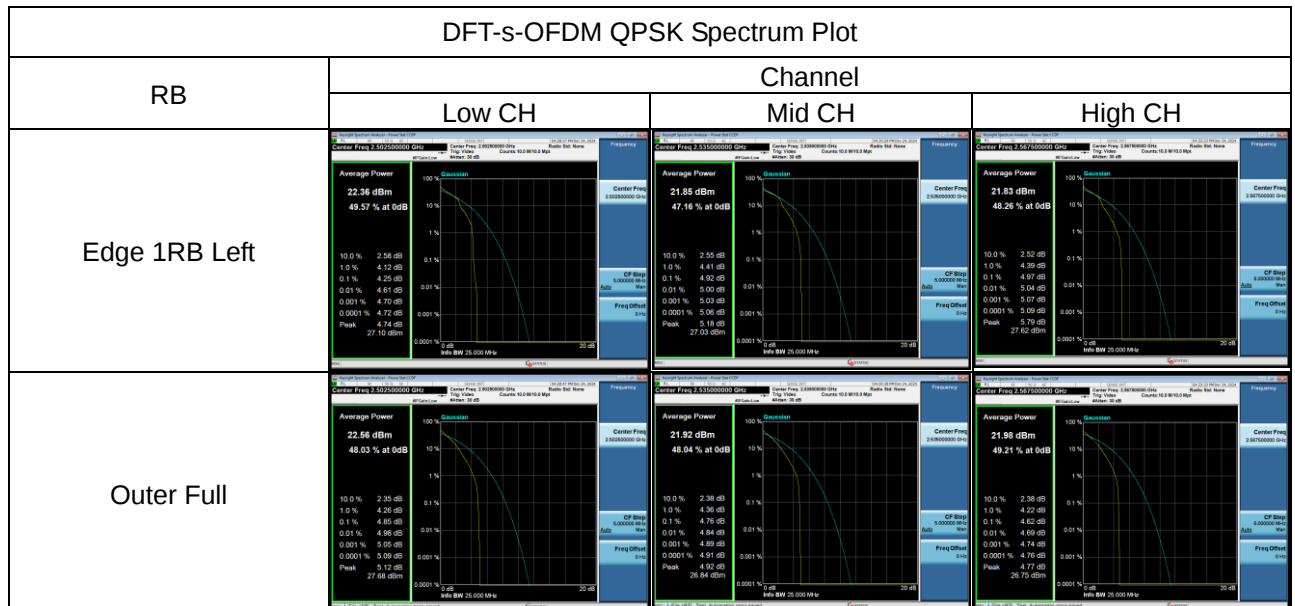
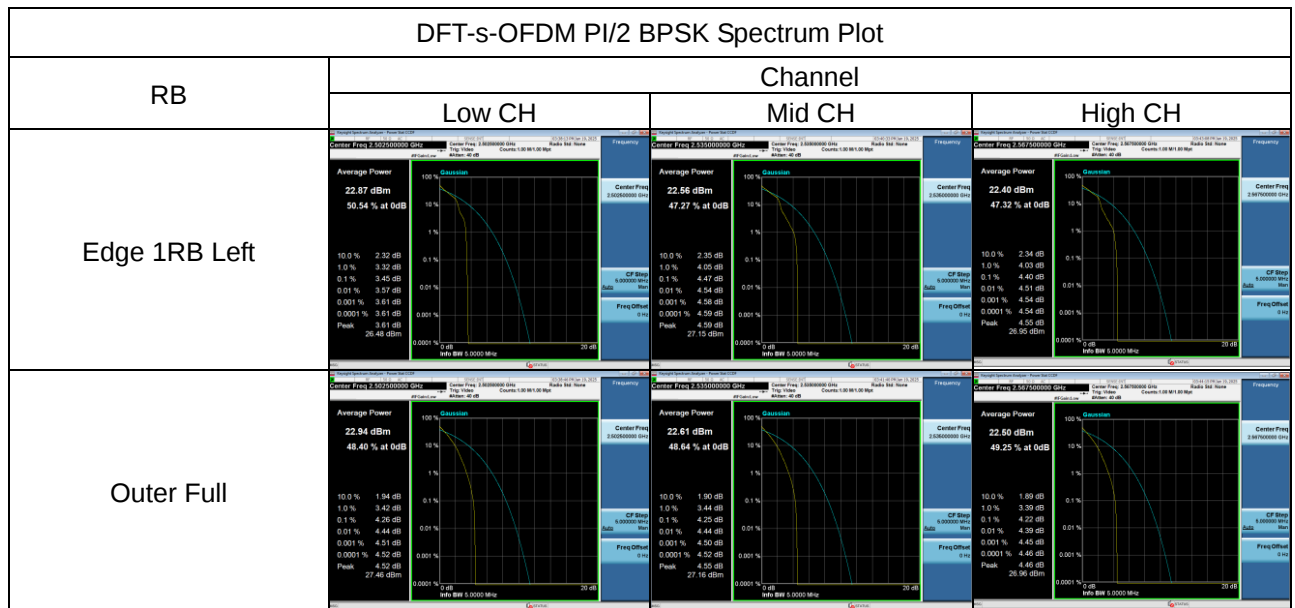


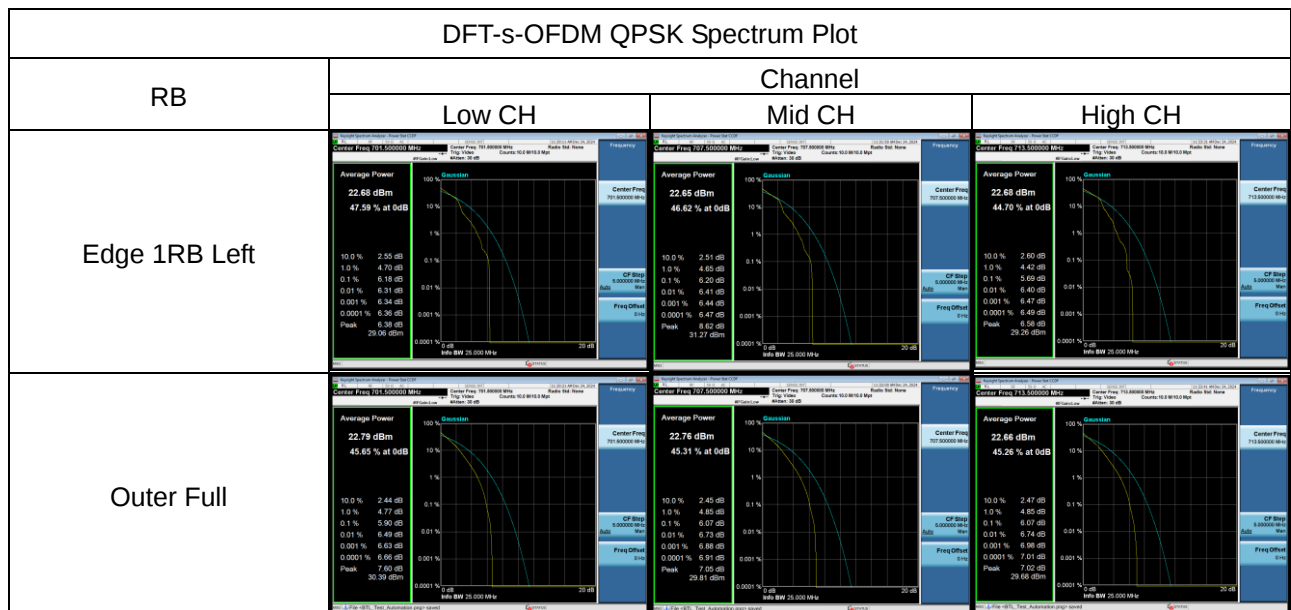
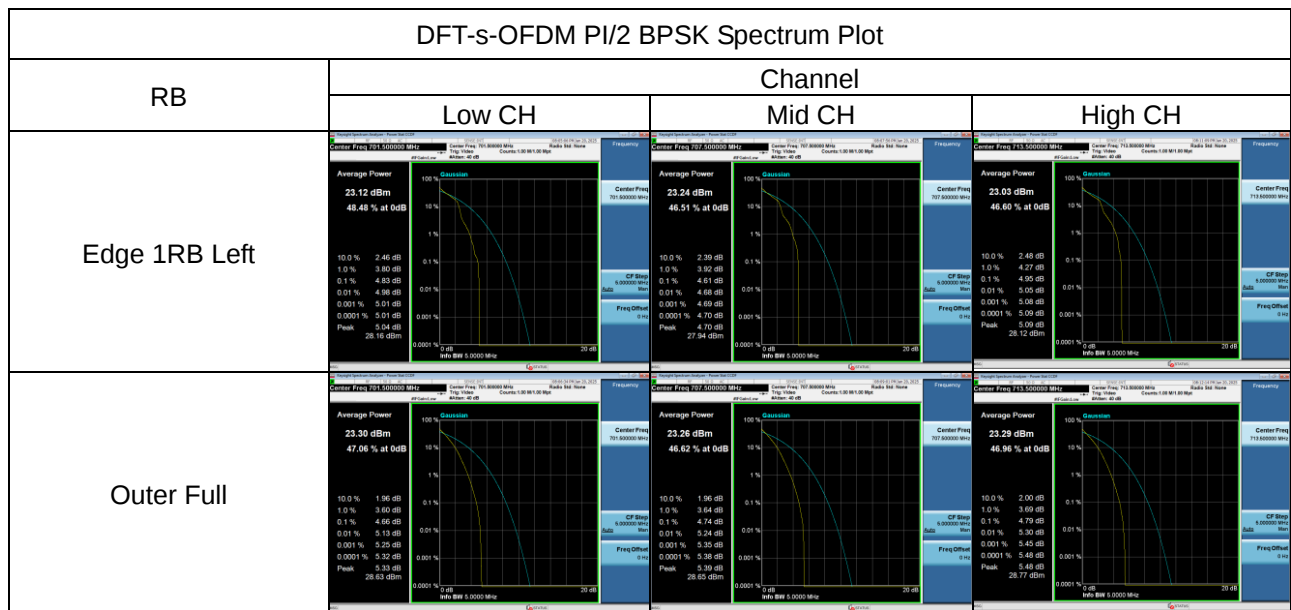


## APPENDIX H - PEAK TO AVERAGE RATIO

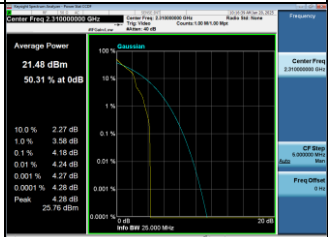
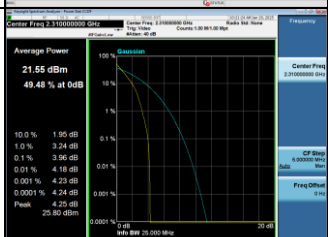
| NR n7_5MHz |                               |            |                 |            |                    |        |
|------------|-------------------------------|------------|-----------------|------------|--------------------|--------|
| Channel    | Peak To Average Ratio<br>(dB) |            |                 |            | Max. Limit<br>(dB) | Result |
|            | DFT-s-OFDM PI/2 BPSK          |            | DFT-s-OFDM QPSK |            |                    |        |
|            | Edge 1RB Left                 | Outer Full | Edge 1RB Left   | Outer Full |                    |        |
| Low CH     | 3.45                          | 4.26       | 4.25            | 4.85       | 13                 | Pass   |
| Mid CH     | 4.47                          | 4.25       | 4.92            | 4.76       | 13                 | Pass   |
| High CH    | 4.40                          | 4.22       | 4.97            | 4.62       | 13                 | Pass   |

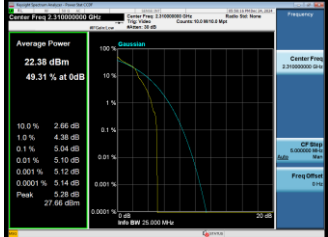
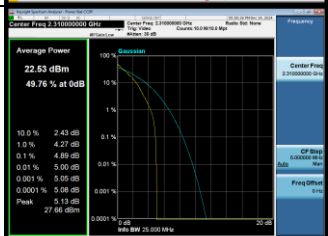


| NR n12_5MHz |                               |            |                 |            |                    |        |
|-------------|-------------------------------|------------|-----------------|------------|--------------------|--------|
| Channel     | Peak To Average Ratio<br>(dB) |            |                 |            | Max. Limit<br>(dB) | Result |
|             | DFT-s-OFDM PI/2 BPSK          |            | DFT-s-OFDM QPSK |            |                    |        |
|             | Edge 1RB Left                 | Outer Full | Edge 1RB Left   | Outer Full |                    |        |
| Low CH      | 4.83                          | 4.66       | 6.18            | 5.90       | 13                 | Pass   |
| Mid CH      | 4.61                          | 4.74       | 6.20            | 6.07       | 13                 | Pass   |
| High CH     | 4.95                          | 4.79       | 5.69            | 6.07       | 13                 | Pass   |

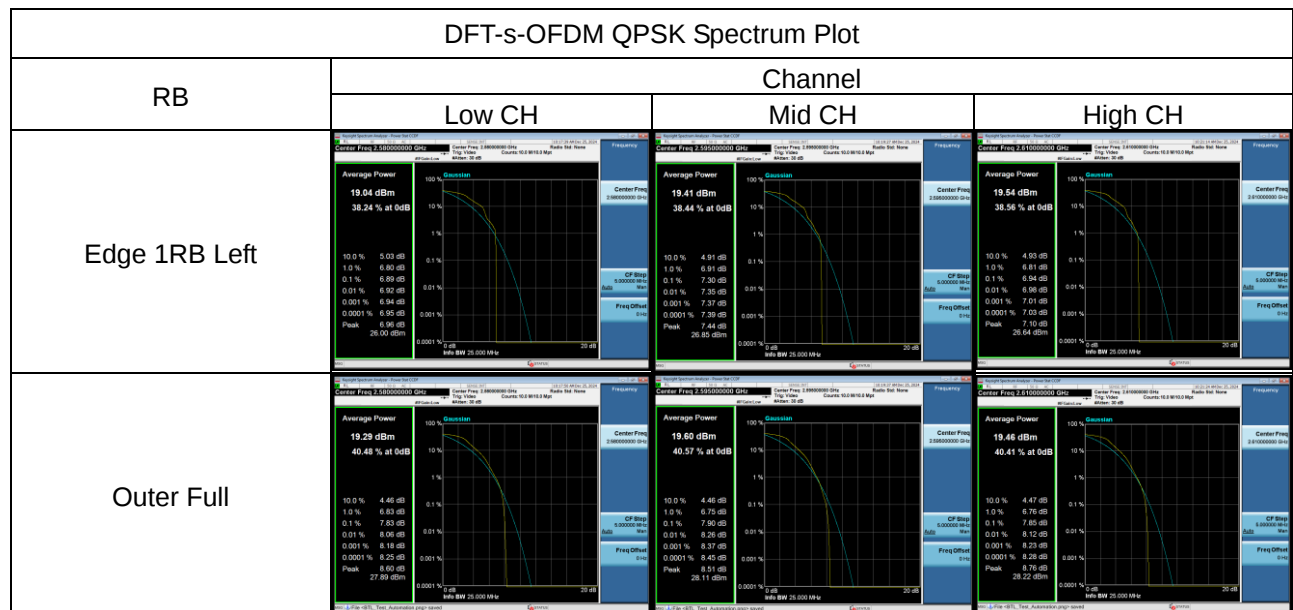
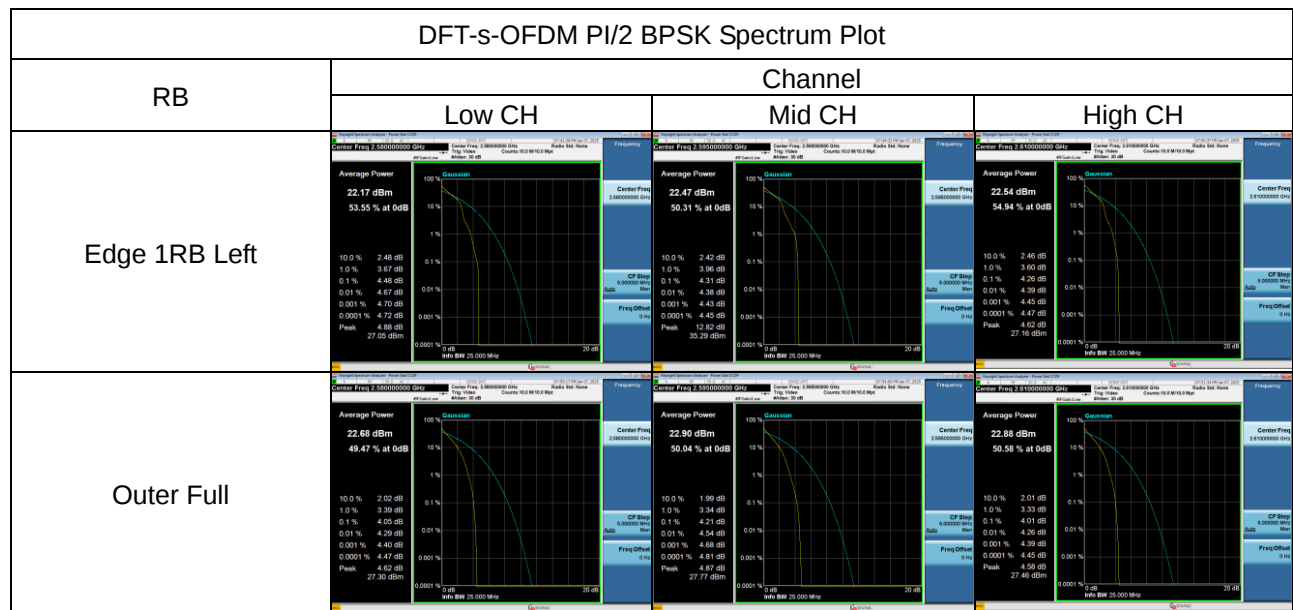


| NR n30_10MHz |                               |            |                 |            |                    |        |
|--------------|-------------------------------|------------|-----------------|------------|--------------------|--------|
| Channel      | Peak To Average Ratio<br>(dB) |            |                 |            | Max. Limit<br>(dB) | Result |
|              | DFT-s-OFDM PI/2 BPSK          |            | DFT-s-OFDM QPSK |            |                    |        |
|              | Edge 1RB Left                 | Outer Full | Edge 1RB Left   | Outer Full |                    |        |
| Mid CH       | 4.18                          | 3.96       | 5.04            | 4.89       | 13                 | Pass   |

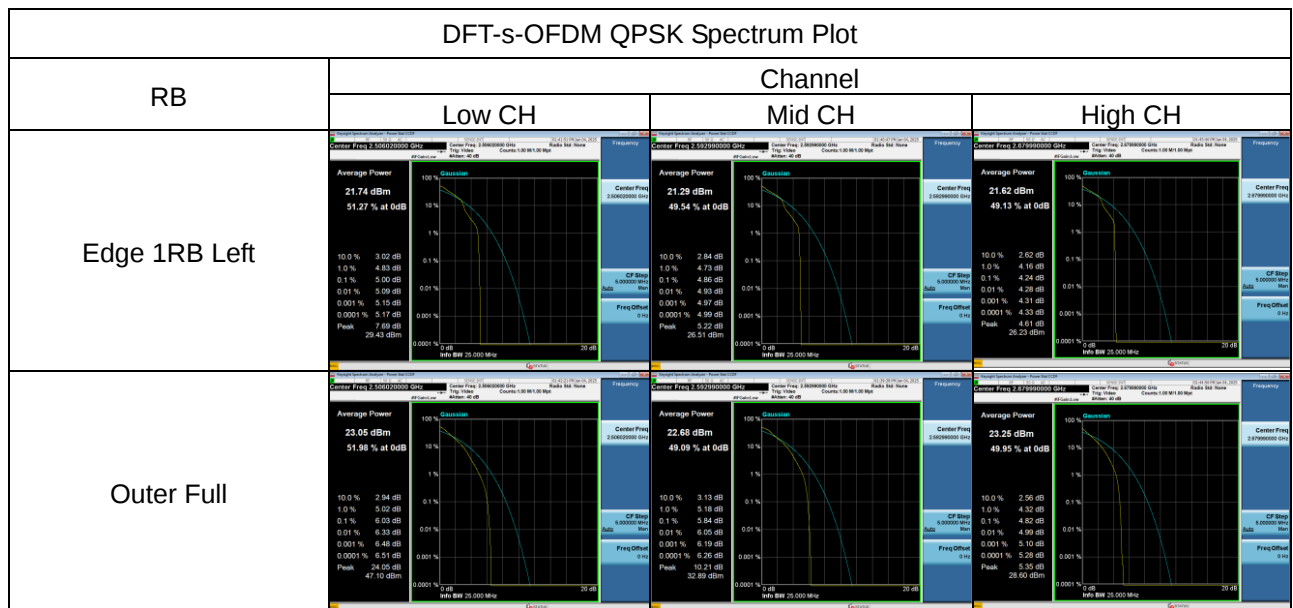
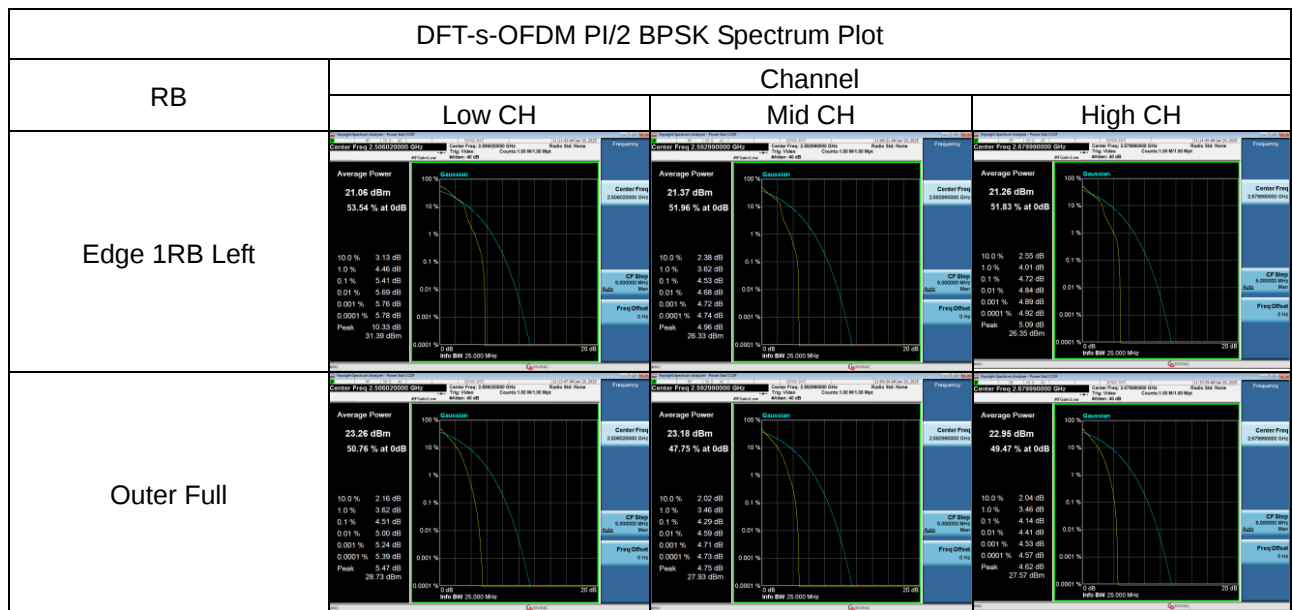
| DFT-s-OFDM PI/2 BPSK Spectrum Plot |         |                                                                                     |   |
|------------------------------------|---------|-------------------------------------------------------------------------------------|---|
| RB                                 | Channel |                                                                                     |   |
|                                    | -       | Mid CH                                                                              | - |
| Edge 1RB Left                      | -       |   | - |
| Outer Full                         | -       |  | - |

| DFT-s-OFDM QPSK Spectrum Plot |         |                                                                                      |   |
|-------------------------------|---------|--------------------------------------------------------------------------------------|---|
| RB                            | Channel |                                                                                      |   |
|                               | -       | Mid CH                                                                               | - |
| Edge 1RB Left                 | -       |  | - |
| Outer Full                    | -       |  | - |

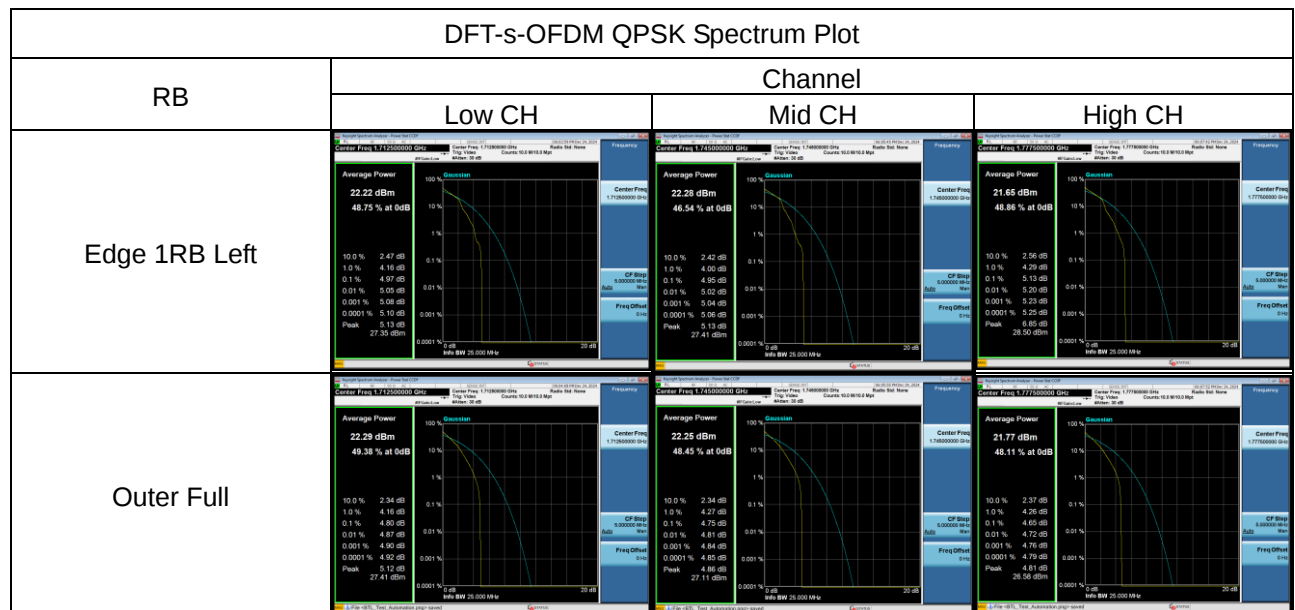
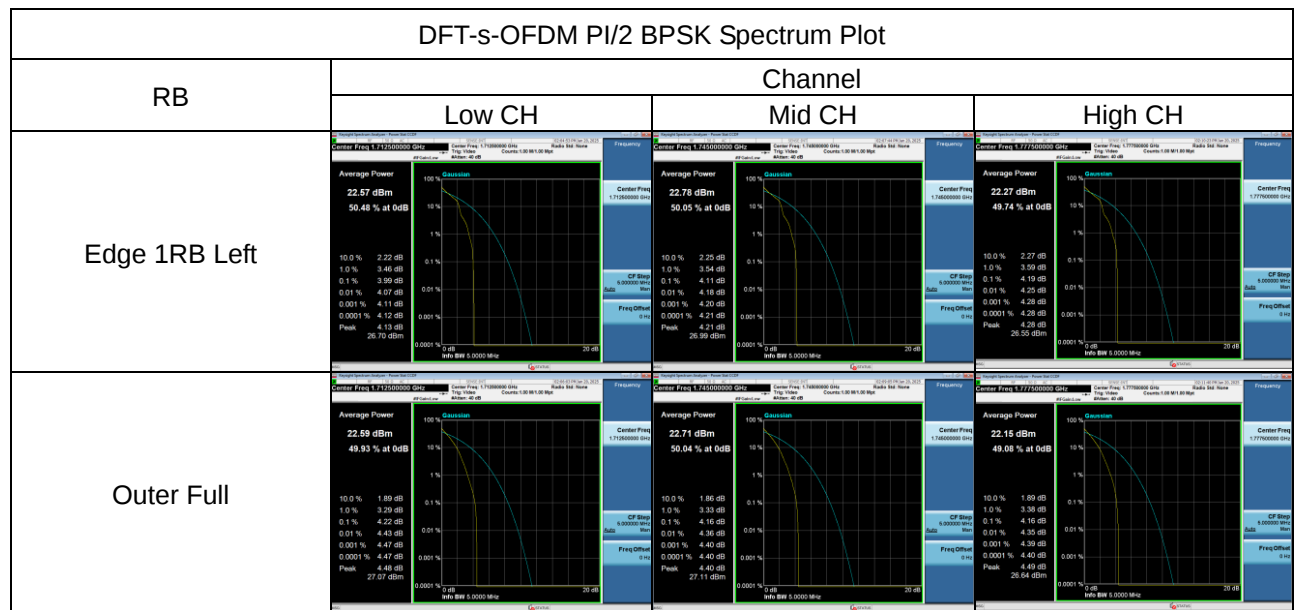
| NR n38_20MHz |                               |            |                 |            |                    |        |
|--------------|-------------------------------|------------|-----------------|------------|--------------------|--------|
| Channel      | Peak To Average Ratio<br>(dB) |            |                 |            | Max. Limit<br>(dB) | Result |
|              | DFT-s-OFDM PI/2 BPSK          |            | DFT-s-OFDM QPSK |            |                    |        |
|              | Edge 1RB Left                 | Outer Full | Edge 1RB Left   | Outer Full |                    |        |
| Low CH       | 4.48                          | 4.05       | 6.89            | 7.83       | 13                 | Pass   |
| Mid CH       | 4.31                          | 4.21       | 7.30            | 7.90       | 13                 | Pass   |
| High CH      | 4.26                          | 4.01       | 6.94            | 7.85       | 13                 | Pass   |



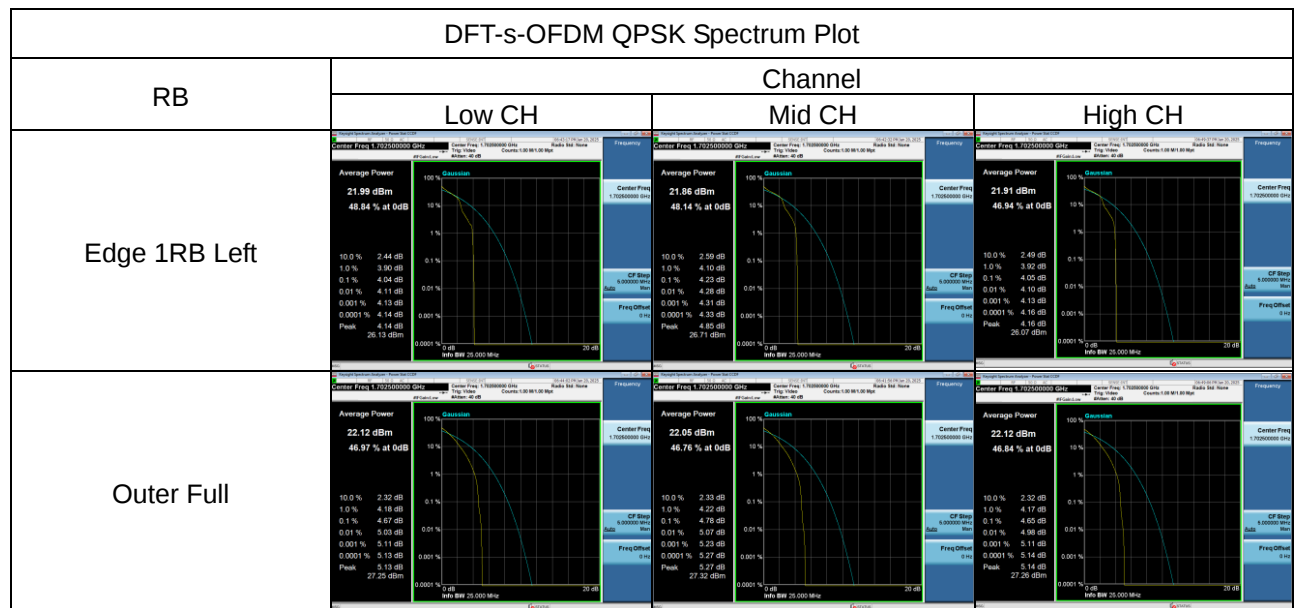
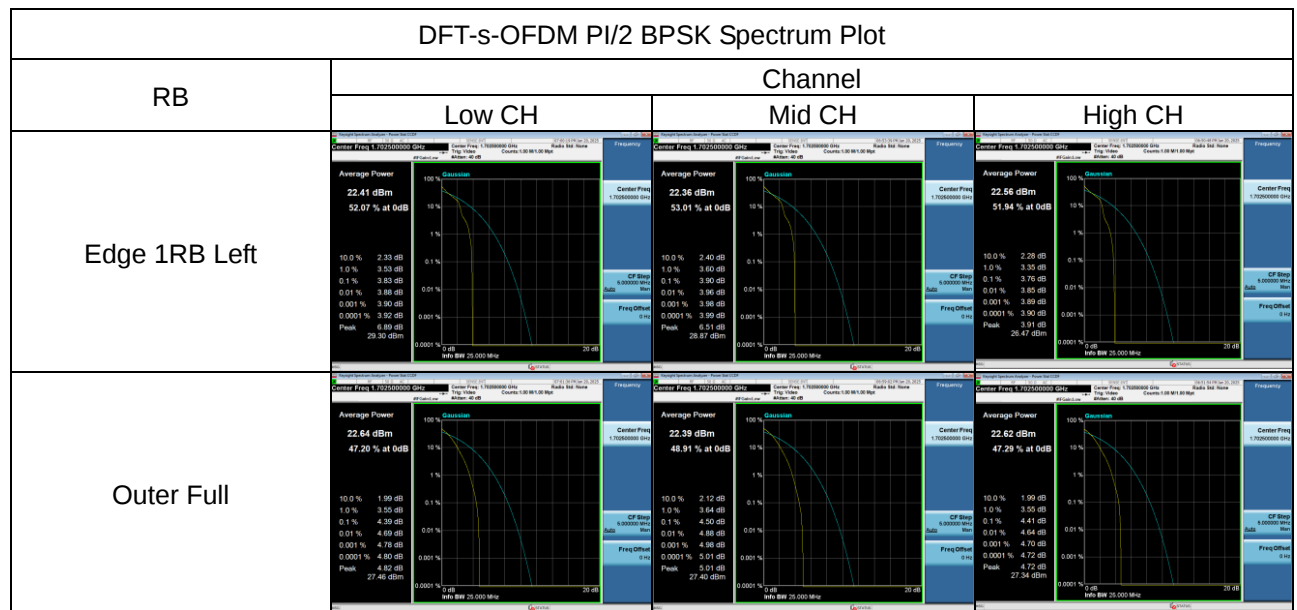
| NR n41_20MHz |                               |            |                 |            |                    |        |
|--------------|-------------------------------|------------|-----------------|------------|--------------------|--------|
| Channel      | Peak To Average Ratio<br>(dB) |            |                 |            | Max. Limit<br>(dB) | Result |
|              | DFT-s-OFDM PI/2 BPSK          |            | DFT-s-OFDM QPSK |            |                    |        |
|              | Edge 1RB Left                 | Outer Full | Edge 1RB Left   | Outer Full |                    |        |
| Low CH       | 5.41                          | 4.51       | 5.00            | 6.03       | 13                 | Pass   |
| Mid CH       | 4.53                          | 4.29       | 4.86            | 5.84       | 13                 | Pass   |
| High CH      | 4.72                          | 4.14       | 4.24            | 4.82       | 13                 | Pass   |



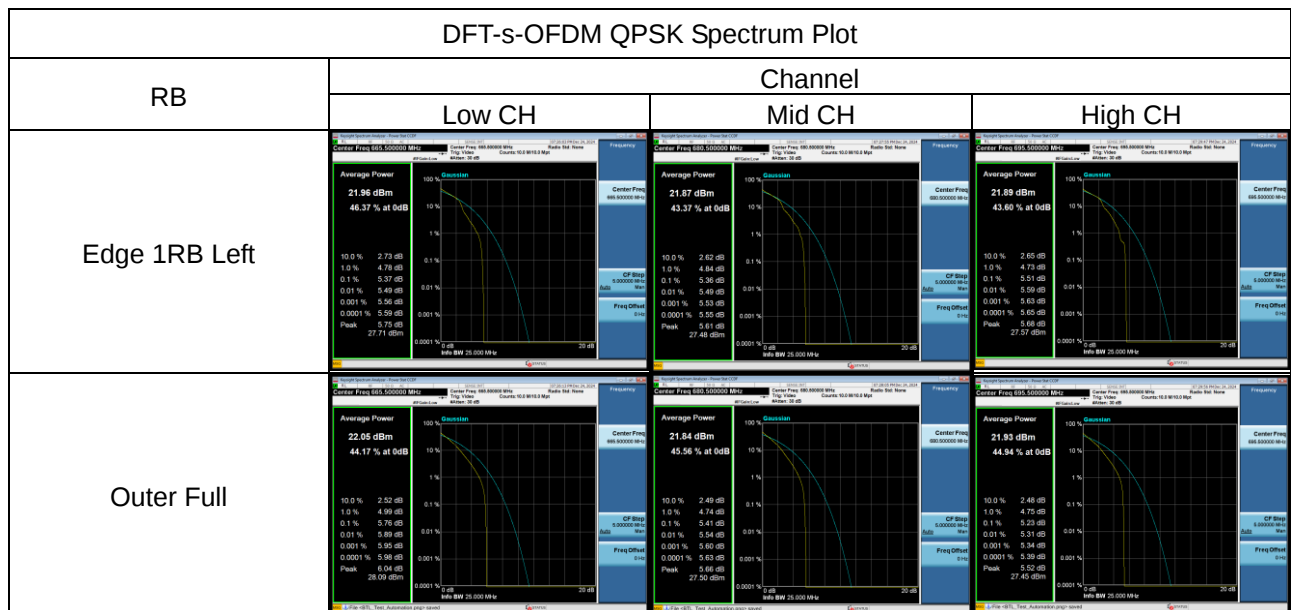
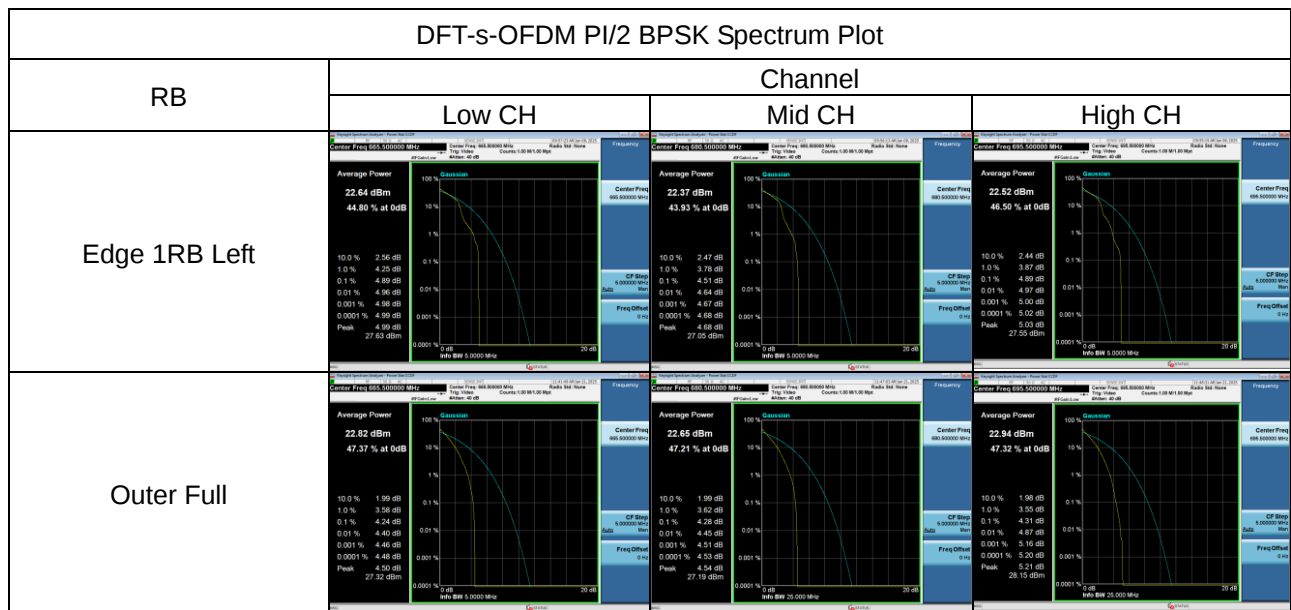
| NR n66_5MHz |                               |            |                 |            |                    |        |
|-------------|-------------------------------|------------|-----------------|------------|--------------------|--------|
| Channel     | Peak To Average Ratio<br>(dB) |            |                 |            | Max. Limit<br>(dB) | Result |
|             | DFT-s-OFDM PI/2 BPSK          |            | DFT-s-OFDM QPSK |            |                    |        |
|             | Edge 1RB Left                 | Outer Full | Edge 1RB Left   | Outer Full |                    |        |
| Low CH      | 3.99                          | 4.22       | 4.97            | 4.80       | 13                 | Pass   |
| Mid CH      | 4.11                          | 4.16       | 4.95            | 4.75       | 13                 | Pass   |
| High CH     | 4.19                          | 4.16       | 5.13            | 4.65       | 13                 | Pass   |



| NR n70_15MHz |                               |            |                 |            |                    |        |
|--------------|-------------------------------|------------|-----------------|------------|--------------------|--------|
| Channel      | Peak To Average Ratio<br>(dB) |            |                 |            | Max. Limit<br>(dB) | Result |
|              | DFT-s-OFDM PI/2 BPSK          |            | DFT-s-OFDM QPSK |            |                    |        |
|              | Edge 1RB Left                 | Outer Full | Edge 1RB Left   | Outer Full |                    |        |
| Low CH       | 3.83                          | 4.39       | 4.04            | 4.67       | 13                 | Pass   |
| Mid CH       | 3.90                          | 4.50       | 4.23            | 4.78       | 13                 | Pass   |
| High CH      | 3.76                          | 4.41       | 4.05            | 4.65       | 13                 | Pass   |



| NR n71_5MHz |                               |            |                 |            |                    |        |
|-------------|-------------------------------|------------|-----------------|------------|--------------------|--------|
| Channel     | Peak To Average Ratio<br>(dB) |            |                 |            | Max. Limit<br>(dB) | Result |
|             | DFT-s-OFDM PI/2 BPSK          |            | DFT-s-OFDM QPSK |            |                    |        |
|             | Edge 1RB Left                 | Outer Full | Edge 1RB Left   | Outer Full |                    |        |
| Low CH      | 4.89                          | 4.24       | 5.37            | 5.76       | 13                 | Pass   |
| Mid CH      | 4.51                          | 4.28       | 5.36            | 5.41       | 13                 | Pass   |
| High CH     | 4.89                          | 4.31       | 5.51            | 5.23       | 13                 | Pass   |



## **APPENDIX I - FREQUENCY STABILITY**

|           |          |
|-----------|----------|
| Test Mode | 5G NR n7 |
|-----------|----------|

| Frequency error versus temperature and supply voltage |                                     |                                      |                        |                      |                                                                                                  |                               |         |             |
|-------------------------------------------------------|-------------------------------------|--------------------------------------|------------------------|----------------------|--------------------------------------------------------------------------------------------------|-------------------------------|---------|-------------|
| Temperature (°C)                                      | Lowest channel Frequency error(MHz) | Highest channel Frequency error(MHz) | Reference point:-10dBm |                      | Frequency calculation value (MHz)<br>Limit:The resulting frequencies must remain within the band |                               | Verdict | worst ppm   |
|                                                       |                                     |                                      | f <sub>L</sub> (MHz)   | f <sub>H</sub> (MHz) | Lowest channel limit:2500MHz                                                                     | Highest channel limit:2570MHz |         | Record only |
| 50                                                    | 0.00002135                          | 0.00000743                           | 2500.38                | 2569.78              | 2500.379979                                                                                      | 2569.780007                   | Pass    | 0.0085      |
| 40                                                    | 0.00002035                          | 0.00001719                           |                        |                      | 2500.379980                                                                                      | 2569.780017                   | Pass    | 0.0081      |
| 30                                                    | 0.00000963                          | -0.00001256                          |                        |                      | 2500.379990                                                                                      | 2569.779987                   | Pass    | -0.0049     |
| 20                                                    | 0.00000423                          | 0.00001323                           |                        |                      | 2500.379996                                                                                      | 2569.780013                   | Pass    | 0.0052      |
| 10                                                    | 0.00000541                          | 0.00001234                           |                        |                      | 2500.379995                                                                                      | 2569.780012                   | Pass    | 0.0048      |
| 0                                                     | 0.00000389                          | 0.00001642                           |                        |                      | 2500.379996                                                                                      | 2569.780016                   | Pass    | 0.0064      |
| -10                                                   | -0.00000632                         | 0.00000469                           |                        |                      | 2500.380006                                                                                      | 2569.780005                   | Pass    | -0.0025     |
| -20                                                   | 0.00000232                          | 0.00000203                           |                        |                      | 2500.379998                                                                                      | 2569.780002                   | Pass    | 0.0009      |
| -30                                                   | 0.00000625                          | 0.00001526                           |                        |                      | 2500.379994                                                                                      | 2569.780015                   | Pass    | 0.0060      |
| Minimum voltage                                       | 0.00000698                          | 0.00000363                           |                        |                      | 2500.379993                                                                                      | 2569.780004                   | Pass    | 0.0028      |
| Maximum voltage                                       | 0.00000736                          | -0.00000752                          |                        |                      | 2500.379993                                                                                      | 2569.779992                   | Pass    | -0.0029     |
| Nominal voltage                                       | 0.00000645                          | 0.00000825                           |                        |                      | 2500.379994                                                                                      | 2569.780008                   | Pass    | 0.0032      |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

|           |           |
|-----------|-----------|
| Test Mode | 5G NR n12 |
|-----------|-----------|

| Frequency error versus temperature and supply voltage |                                     |                                      |                        |                      |                                                                                                  |                              |         |             |
|-------------------------------------------------------|-------------------------------------|--------------------------------------|------------------------|----------------------|--------------------------------------------------------------------------------------------------|------------------------------|---------|-------------|
| Temperature (°C)                                      | Lowest channel Frequency error(MHz) | Highest channel Frequency error(MHz) | Reference point:-13dBm |                      | Frequency calculation value (MHz)<br>Limit:The resulting frequencies must remain within the band |                              | Verdict | worst ppm   |
|                                                       |                                     |                                      | f <sub>L</sub> (MHz)   | f <sub>H</sub> (MHz) | Lowest channel limit:699MHz                                                                      | Highest channel limit:716MHz |         | Record only |
| 50                                                    | 0.00001936                          | -0.00001485                          | 699.69<br>0000         | 715.42<br>0000       | 699.689981                                                                                       | 715.419985                   | Pass    | 0.0275      |
| 40                                                    | 0.00001963                          | -0.00001286                          |                        |                      | 699.689980                                                                                       | 715.419987                   | Pass    | 0.0279      |
| 30                                                    | 0.00001569                          | -0.00001921                          |                        |                      | 699.689984                                                                                       | 715.419981                   | Pass    | -0.0270     |
| 20                                                    | -0.00001589                         | -0.00001665                          |                        |                      | 699.690016                                                                                       | 715.419983                   | Pass    | -0.0234     |
| 10                                                    | 0.00002123                          | -0.00001436                          |                        |                      | 699.689979                                                                                       | 715.419986                   | Pass    | 0.0302      |
| 0                                                     | -0.00002232                         | -0.00001521                          |                        |                      | 699.690022                                                                                       | 715.419985                   | Pass    | -0.0317     |
| -10                                                   | 0.00001735                          | -0.00001678                          |                        |                      | 699.689983                                                                                       | 715.419983                   | Pass    | 0.0246      |
| -20                                                   | 0.00002098                          | 0.00002036                           |                        |                      | 699.689979                                                                                       | 715.420020                   | Pass    | 0.0298      |
| -30                                                   | 0.00001435                          | -0.00002412                          |                        |                      | 699.689986                                                                                       | 715.419976                   | Pass    | -0.0339     |
| Minimum voltage                                       | -0.00001521                         | -0.00001658                          |                        |                      | 699.690015                                                                                       | 715.419983                   | Pass    | -0.0233     |
| Maximum voltage                                       | 0.00001452                          | 0.00001846                           |                        |                      | 699.689985                                                                                       | 715.420018                   | Pass    | 0.0260      |
| Nominal voltage                                       | -0.00001398                         | -0.00002532                          |                        |                      | 699.690014                                                                                       | 715.419975                   | Pass    | -0.0356     |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

|           |           |
|-----------|-----------|
| Test Mode | 5G NR n30 |
|-----------|-----------|

| Frequency error versus temperature and supply voltage |                                  |                        |                      |                                                                                                  |                               |         |             |
|-------------------------------------------------------|----------------------------------|------------------------|----------------------|--------------------------------------------------------------------------------------------------|-------------------------------|---------|-------------|
| Temperature (°C)                                      | Mid channel Frequency error(MHz) | Reference point:-13dBm |                      | Frequency calculation value (MHz)<br>Limit:The resulting frequencies must remain within the band |                               | Verdict | worst ppm   |
|                                                       |                                  | f <sub>L</sub> (MHz)   | f <sub>H</sub> (MHz) | Lowest channel limit:2305MHz                                                                     | Highest channel limit:2315MHz |         | Record only |
| 50                                                    | 0.00002052                       | 2305.820000            | 2314.460000          | 2305.819979                                                                                      | 2314.460021                   | Pass    | 0.0089      |
| 40                                                    | 0.00002215                       |                        |                      | 2305.819978                                                                                      | 2314.460022                   | Pass    | 0.0096      |
| 30                                                    | -0.00002332                      |                        |                      | 2305.820023                                                                                      | 2314.459977                   | Pass    | -0.0101     |
| 20                                                    | 0.00001441                       |                        |                      | 2305.819986                                                                                      | 2314.460014                   | Pass    | 0.0062      |
| 10                                                    | 0.00001532                       |                        |                      | 2305.819985                                                                                      | 2314.460015                   | Pass    | 0.0066      |
| 0                                                     | 0.00000235                       |                        |                      | 2305.819998                                                                                      | 2314.460002                   | Pass    | 0.0010      |
| -10                                                   | -0.00001732                      |                        |                      | 2305.820017                                                                                      | 2314.459983                   | Pass    | -0.0075     |
| -20                                                   | -0.00001836                      |                        |                      | 2305.820018                                                                                      | 2314.459982                   | Pass    | -0.0079     |
| -30                                                   | 0.00000253                       |                        |                      | 2305.819997                                                                                      | 2314.460003                   | Pass    | 0.0011      |
| Minimum voltage                                       | 0.00001532                       |                        |                      | 2305.819985                                                                                      | 2314.460015                   | Pass    | 0.0066      |
| Maximum voltage                                       | -0.00001423                      |                        |                      | 2305.820014                                                                                      | 2314.459986                   | Pass    | -0.0062     |
| Nominal voltage                                       | 0.00002056                       |                        |                      | 2305.819979                                                                                      | 2314.460021                   | Pass    | 0.0089      |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

|           |           |
|-----------|-----------|
| Test Mode | 5G NR n38 |
|-----------|-----------|

| Frequency error versus temperature and supply voltage |                                     |                                      |                        |                      |                                                                                                  |                               |         |             |
|-------------------------------------------------------|-------------------------------------|--------------------------------------|------------------------|----------------------|--------------------------------------------------------------------------------------------------|-------------------------------|---------|-------------|
| Temperature (°C)                                      | Lowest channel Frequency error(MHz) | Highest channel Frequency error(MHz) | Reference point:-10dBm |                      | Frequency calculation value (MHz)<br>Limit:The resulting frequencies must remain within the band |                               | Verdict | worst ppm   |
|                                                       |                                     |                                      | f <sub>L</sub> (MHz)   | f <sub>H</sub> (MHz) | Lowest channel limit:2570MHz                                                                     | Highest channel limit:2620MHz |         | Record only |
| 50                                                    | 0.00001325                          | 0.00002012                           | 2570.630000            | 2619.250000          | 2570.629987                                                                                      | 2619.250020                   | Pass    | 0.0077      |
| 40                                                    | 0.00002222                          | -0.00001353                          |                        |                      | 2570.629978                                                                                      | 2619.249986                   | Pass    | 0.0086      |
| 30                                                    | 0.00002085                          | -0.00001985                          |                        |                      | 2570.629979                                                                                      | 2619.249980                   | Pass    | 0.0081      |
| 20                                                    | 0.00001685                          | 0.00001526                           |                        |                      | 2570.629983                                                                                      | 2619.250015                   | Pass    | 0.0065      |
| 10                                                    | 0.00002263                          | 0.00001581                           |                        |                      | 2570.629977                                                                                      | 2619.250016                   | Pass    | 0.0088      |
| 0                                                     | 0.00001925                          | 0.00000696                           |                        |                      | 2570.629981                                                                                      | 2619.250007                   | Pass    | 0.0075      |
| -10                                                   | 0.00001263                          | -0.00001569                          |                        |                      | 2570.629987                                                                                      | 2619.249984                   | Pass    | -0.0060     |
| -20                                                   | 0.00002046                          | 0.00001032                           |                        |                      | 2570.629980                                                                                      | 2619.250010                   | Pass    | 0.0079      |
| -30                                                   | 0.00001985                          | 0.00000525                           |                        |                      | 2570.629980                                                                                      | 2619.250005                   | Pass    | 0.0077      |
| Minimum voltage                                       | 0.00002425                          | 0.00001435                           |                        |                      | 2570.629976                                                                                      | 2619.250014                   | Pass    | 0.0094      |
| Maximum voltage                                       | 0.00001818                          | 0.00000723                           |                        |                      | 2570.629982                                                                                      | 2619.250007                   | Pass    | 0.0070      |
| Nominal voltage                                       | 0.00003252                          | 0.00000834                           |                        |                      | 2570.629967                                                                                      | 2619.250008                   | Pass    | 0.0126      |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

|           |           |
|-----------|-----------|
| Test Mode | 5G NR n66 |
|-----------|-----------|

| Frequency error versus temperature and supply voltage |                                     |                                      |                        |                      |                                                                                                  |                               |         |             |
|-------------------------------------------------------|-------------------------------------|--------------------------------------|------------------------|----------------------|--------------------------------------------------------------------------------------------------|-------------------------------|---------|-------------|
| Temperature (°C)                                      | Lowest channel Frequency error(MHz) | Highest channel Frequency error(MHz) | Reference point:-13dBm |                      | Frequency calculation value (MHz)<br>Limit:The resulting frequencies must remain within the band |                               | Verdict | worst ppm   |
|                                                       |                                     |                                      | f <sub>L</sub> (MHz)   | f <sub>H</sub> (MHz) | Lowest channel limit:1710MHz                                                                     | Highest channel limit:1780MHz |         | Record only |
| 50                                                    | 0.00000932                          | 0.00000889                           | 1710.360000            | 1779.480000          | 1710.359991                                                                                      | 1779.480009                   | Pass    | 0.0054      |
| 40                                                    | 0.00000235                          | -0.00000856                          |                        |                      | 1710.359998                                                                                      | 1779.479991                   | Pass    | -0.0048     |
| 30                                                    | 0.00000368                          | 0.00000523                           |                        |                      | 1710.359996                                                                                      | 1779.480005                   | Pass    | 0.0030      |
| 20                                                    | -0.00000863                         | 0.00000678                           |                        |                      | 1710.360009                                                                                      | 1779.480007                   | Pass    | -0.0050     |
| 10                                                    | 0.00000252                          | -0.00000523                          |                        |                      | 1710.359997                                                                                      | 1779.479995                   | Pass    | -0.0030     |
| 0                                                     | 0.00000364                          | 0.00000525                           |                        |                      | 1710.359996                                                                                      | 1779.480005                   | Pass    | 0.0030      |
| -10                                                   | -0.00000425                         | -0.00000235                          |                        |                      | 1710.360004                                                                                      | 1779.479998                   | Pass    | -0.0025     |
| -20                                                   | -0.00000223                         | 0.00000863                           |                        |                      | 1710.360002                                                                                      | 1779.480009                   | Pass    | 0.0049      |
| -30                                                   | 0.00000763                          | -0.00000135                          |                        |                      | 1710.359992                                                                                      | 1779.479999                   | Pass    | 0.0044      |
| Minimum voltage                                       | -0.00000778                         | -0.00000378                          |                        |                      | 1710.360008                                                                                      | 1779.479996                   | Pass    | -0.0045     |
| Maximum voltage                                       | -0.00000269                         | 0.00000825                           |                        |                      | 1710.360003                                                                                      | 1779.480008                   | Pass    | 0.0047      |
| Nominal voltage                                       | 0.00000632                          | -0.00000205                          |                        |                      | 1710.359994                                                                                      | 1779.479998                   | Pass    | 0.0037      |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

|           |           |
|-----------|-----------|
| Test Mode | 5G NR n70 |
|-----------|-----------|

| Frequency error versus temperature and supply voltage |                                  |                        |                      |                                                                                                  |                               |         |             |
|-------------------------------------------------------|----------------------------------|------------------------|----------------------|--------------------------------------------------------------------------------------------------|-------------------------------|---------|-------------|
| Temperature (°C)                                      | Mid channel Frequency error(MHz) | Reference point:-13dBm |                      | Frequency calculation value (MHz)<br>Limit:The resulting frequencies must remain within the band |                               | Verdict | worst ppm   |
|                                                       |                                  | f <sub>L</sub> (MHz)   | f <sub>H</sub> (MHz) | Lowest channel limit:2305MHz                                                                     | Highest channel limit:2315MHz |         | Record only |
| 50                                                    | 0.00007245                       | 1695.480000            | 1709.850000          | 1695.479928                                                                                      | 1709.850072                   | Pass    | 0.0426      |
| 40                                                    | 0.00001463                       |                        |                      | 1695.479985                                                                                      | 1709.850015                   | Pass    | 0.0086      |
| 30                                                    | 0.00007234                       |                        |                      | 1695.479928                                                                                      | 1709.850072                   | Pass    | 0.0425      |
| 20                                                    | 0.00007525                       |                        |                      | 1695.479925                                                                                      | 1709.850075                   | Pass    | 0.0442      |
| 10                                                    | -0.00001286                      |                        |                      | 1695.480013                                                                                      | 1709.849987                   | Pass    | -0.0076     |
| 0                                                     | 0.00007541                       |                        |                      | 1695.479925                                                                                      | 1709.850075                   | Pass    | 0.0443      |
| -10                                                   | 0.0001464                        |                        |                      | 1695.479854                                                                                      | 1709.850146                   | Pass    | 0.0860      |
| -20                                                   | 0.00003104                       |                        |                      | 1695.479969                                                                                      | 1709.850031                   | Pass    | 0.0182      |
| -30                                                   | 0.00004662                       |                        |                      | 1695.479953                                                                                      | 1709.850047                   | Pass    | 0.0274      |
| Minimum voltage                                       | -0.00002168                      |                        |                      | 1695.480022                                                                                      | 1709.849978                   | Pass    | -0.0127     |
| Maximum voltage                                       | -0.00002795                      |                        |                      | 1695.480028                                                                                      | 1709.849972                   | Pass    | -0.0164     |
| Nominal voltage                                       | 0.0001893                        |                        |                      | 1695.479811                                                                                      | 1709.850189                   | Pass    | 0.1112      |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

|           |           |
|-----------|-----------|
| Test Mode | 5G NR n71 |
|-----------|-----------|

| Frequency error versus temperature and supply voltage |                                     |                                      |                        |                      |                                                                                                  |                              |         |             |
|-------------------------------------------------------|-------------------------------------|--------------------------------------|------------------------|----------------------|--------------------------------------------------------------------------------------------------|------------------------------|---------|-------------|
| Temperature (°C)                                      | Lowest channel Frequency error(MHz) | Highest channel Frequency error(MHz) | Reference point:-13dBm |                      | Frequency calculation value (MHz)<br>Limit:The resulting frequencies must remain within the band |                              | Verdict | worst ppm   |
|                                                       |                                     |                                      | f <sub>L</sub> (MHz)   | f <sub>H</sub> (MHz) | Lowest channel limit:663MHz                                                                      | Highest channel limit:698MHz |         | Record only |
| 50                                                    | 0.00000426                          | -0.00000235                          | 663.280000             | 697.630000           | 663.279996                                                                                       | 697.629998                   | Pass    | 0.0063      |
| 40                                                    | 0.00000336                          | -0.00000336                          |                        |                      | 663.279997                                                                                       | 697.629997                   | Pass    | 0.0050      |
| 30                                                    | -0.00001185                         | -0.00000158                          |                        |                      | 663.280012                                                                                       | 697.629998                   | Pass    | -0.0176     |
| 20                                                    | -0.00002512                         | 0.00000999                           |                        |                      | 663.280025                                                                                       | 697.630010                   | Pass    | -0.0373     |
| 10                                                    | -0.00000556                         | 0.00000325                           |                        |                      | 663.280006                                                                                       | 697.630003                   | Pass    | -0.0083     |
| 0                                                     | -0.00001436                         | 0.00000443                           |                        |                      | 663.280014                                                                                       | 697.630004                   | Pass    | -0.0213     |
| -10                                                   | 0.00001285                          | -0.00001222                          |                        |                      | 663.279987                                                                                       | 697.629988                   | Pass    | 0.0191      |
| -20                                                   | -0.00001136                         | -0.00000988                          |                        |                      | 663.280011                                                                                       | 697.629990                   | Pass    | -0.0169     |
| -30                                                   | -0.00000238                         | 0.00001442                           |                        |                      | 663.280002                                                                                       | 697.630014                   | Pass    | 0.0210      |
| Minimum voltage                                       | -0.00001424                         | -0.00000936                          |                        |                      | 663.280014                                                                                       | 697.629991                   | Pass    | -0.0212     |
| Maximum voltage                                       | -0.00000885                         | -0.00000426                          |                        |                      | 663.280009                                                                                       | 697.629996                   | Pass    | -0.0132     |
| Nominal voltage                                       | 0.00000563                          | -0.00000555                          |                        |                      | 663.279994                                                                                       | 697.629994                   | Pass    | 0.0084      |

Note: Nominal voltage= 3.8V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

End of Test Report