



REPORT No.: SZ24030059W02

# TEST REPORT

**APPLICANT** : Reliance Communications LLC

**PRODUCT NAME** : Orbic Fun Pro 5G

**MODEL NAME** : R678L5SLFP

**BRAND NAME** : Orbic

**FCC ID** : 2ABGH-R678L5SLFP

**STANDARD(S)** : 47 CFR Part 2  
47 CFR Part 22  
47 CFR Part 24  
47 CFR Part 27  
47 CFR Part 90  
47 CFR Part 96

**RECEIPT DATE** : 2023-12-21

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## DIRECTORY

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| Change History |            |                   |
|----------------|------------|-------------------|
| Version        | Date       | Reason for change |
| 1.0            | 2024-07-11 | First edition     |



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

|                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>            | Reliance Communications LLC                                                           |
| <b>Applicant Address:</b>    | 555 Wireless Blvd. Hauppauge, NY 11788, USA                                           |
| <b>Manufacturer:</b>         | Unimaxcomm                                                                            |
| <b>Manufacturer Address:</b> | 35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China 518110 |

## 1.2. Equipment Under Test (EUT) Description

|                          |                                                |                                       |
|--------------------------|------------------------------------------------|---------------------------------------|
| <b>Product Name:</b>     | Orbic Fun Pro 5G                               |                                       |
| <b>Sample No.:</b>       | 2#, 10#                                        |                                       |
| <b>Hardware Version:</b> | V1.0                                           |                                       |
| <b>Software Version:</b> | R678L5SLFP_V1.0.10_BLL                         |                                       |
| <b>Modulation Type:</b>  | DFT-s-OFDM                                     | PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM |
|                          | CP-OFDM                                        | QPSK, 16QAM, 64QAM, 256QAM            |
| <b>SA Band:</b>          | n2, n5, n25, n26, n41, n48, n66, n71, n77, n78 |                                       |
| <b>Power Class:</b>      | PC2:                                           | n41,n48, n71,n77, n78                 |
|                          | PC3:                                           | n2, n5, n25, n26, n41, n66            |
| <b>EN-DC Band:</b>       | n2                                             | DC_5A_n2                              |
|                          | n66                                            | DC_2A_n66,DC_5A_n66                   |
|                          | n78                                            | DC_2A_n78, DC_5A_n78                  |
| <b>Frequency Range:</b>  | n2                                             | Tx: 1850MHz-1910MHz                   |
|                          |                                                | Rx: 1930MHz-1990MHz                   |
|                          | n5                                             | Tx: 824MHz-849MHz                     |
|                          |                                                | Rx: 869MHz-894MHz                     |
|                          | n25                                            | Tx: 1850MHz-1915MHz                   |
|                          |                                                | Rx: 1930MHz-1995MHz                   |
|                          | n26<br>(enabling bands)                        | Tx: 814MHz-824MHz                     |
|                          |                                                | Rx: 859MHz-869MHz                     |
|                          |                                                | Tx: 824MHz-849MHz                     |
|                          | n41                                            | Tx: 2496MHz-2690MHz                   |
|                          |                                                | Rx: 2496MHz-2690MHz                   |



|                               |                          |                                                                |
|-------------------------------|--------------------------|----------------------------------------------------------------|
|                               | n48                      | Tx:3550 MHz–3700 MHz                                           |
|                               |                          | Rx:3550 MHz–3700 MHz                                           |
|                               | n66                      | Tx: 1710MHz-1780MHz                                            |
|                               |                          | Rx: 2110MHz-2200MHz                                            |
|                               | n71                      | Tx: 663MHz-698MHz                                              |
|                               |                          | Rx: 617MHz-652MHz                                              |
|                               | n77:<br>(enabling bands) | Tx: 3450MHz-3550MHz                                            |
|                               |                          | Rx: 3450MHz-3550MHz                                            |
|                               |                          | Tx: 3700MHz-3980MHz                                            |
|                               |                          | Rx: 3700MHz-3980MHz                                            |
|                               | n78:<br>(enabling bands) | Tx: 3450MHz-3550MHz                                            |
|                               |                          | Rx: 3450MHz-3550MHz                                            |
|                               |                          | Tx: 3700MHz-3800MHz                                            |
|                               |                          | Rx: 3700MHz-3800MHz                                            |
| <b>Channel Bandwidth</b>      | n2                       | 5MHz, 10MHz, 15MHz, 20MHz                                      |
|                               | n5                       | 5MHz, 10MHz, 15MHz, 20MHz                                      |
|                               | n25                      | 5MHz, 10MHz, 15MHz, 20MHz                                      |
|                               | n26                      | 5MHz, 10MHz, 15MHz, 20MHz                                      |
|                               | n41                      | 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz |
|                               | n48                      | 20MHz, 40MHz                                                   |
|                               | n66                      | 5MHz, 10MHz, 15MHz, 20MHz, 30MHz                               |
|                               | n71                      | 5MHz, 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz  |
|                               | n77                      | 20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz                      |
|                               | n78                      | 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz |
| <b>Antenna Type:</b>          | PIFA Antenna             |                                                                |
| <b>Antenna Gain:</b>          | n2                       | ANT3: 2.47dBi, ANT4: 1.40dBi                                   |
|                               | n5                       | ANT5:-8.22dBi                                                  |
|                               | n25                      | ANT4: 1.40dBi                                                  |
|                               | n26                      | ANT1:-8.22dBi                                                  |
|                               | n41                      | ANT3:-1.67dBi ,ANT5:3.22dBi                                    |
|                               | n48                      | ANT6:-0.26dBi                                                  |
|                               | n66                      | ANT3: -4.04dBi, ANT4: 2.68dBi                                  |
|                               | n71                      | ANT1:-7.39dBi                                                  |
|                               | n77                      | ANT6: 1.37dBi                                                  |
|                               | n78                      | ANT6:-0.17dBi                                                  |
| <b>Accessory Information:</b> | <b>Battery:</b>          |                                                                |
|                               | Brand Name:              | Orbic                                                          |
|                               | Model No.:               | BTE-5004                                                       |
|                               | Serial No.:              | N/A                                                            |



|  |                    |                                        |
|--|--------------------|----------------------------------------|
|  | Capacity:          | 4870mAh                                |
|  | Rated Voltage:     | 3.87V                                  |
|  | Charge Limit:      | 4.45V                                  |
|  | Manufacturer:      | Shenzhen Aerospace Electronic Co.,Ltd. |
|  | <b>AC Adapter:</b> |                                        |
|  | Brand Name:        | Orbic                                  |
|  | Model No.:         | OACH023US1                             |
|  | Serial No.:        | N/A                                    |
|  | Rated Input:       | 100-240V~50/60HZ, 0.5A                 |
|  | Rated Output:      | 5V=3A or 9V=2A or 12V=1.5A             |
|  | Manufacturer 1:    | WATAI ELECTRONICS PRIVATE LIMITED      |
|  | Manufacturer 2:    | KANGYIN ELECTRONIC TECHNOLOGY CO.,LTD  |
|  | USB Cable :        |                                        |
|  | Model No.:         | HX-YLMK-06                             |
|  | Manufacturer:      | HUIZHOU WASHIN ELECTRONICS CO.,LTD     |

**Note 1:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

**Note 2:** There is no test for SA n78 due to the band is completely covered by SA n77 and its power level setting also less than SA n77.

**Note 3:** In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.

**Note 4:** This is a variant report of original report (Report No.: SZ23120302W02, FCC ID: 2ABGH-R678L5SFP). Based on the similarity between before, only change the product name, model name, software version, FCC ID, appearance and antenna,enable LTE B14/17/25/26/30/41/71 and NR n25/26/41/71, the others are the same as before. No other changes, all RF parameters remain the same. The changes do not affect the test results.

### 1.3. Maximum ERP/EIRP and Emission Designator

EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

ERP (dBm) = EIPR (dBm) - 2.15

| n2              |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                  | /                | 4.481        | 4M48G7D             |
|                 | QPSK       | 23.06                   | 25.53              | 0.357            | 4.493        | 4M49G7D             |
|                 | 16QAM      | /                       | /                  | /                | 4.49         | 4M49W7D             |
|                 | 64QAM      | /                       | /                  | /                | 4.478        | 4M48W7D             |
|                 | 256QAM     | /                       | /                  | /                | 4.484        | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 4.475        | 4M48G7D             |
| 10              | PI/2 BPSK  | /                       | /                  | /                | 8.914        | 8M91G7D             |
|                 | QPSK       | 23.08                   | 25.55              | 0.359            | 8.929        | 8M93G7D             |
|                 | 16QAM      | /                       | /                  | /                | 8.95         | 8M95W7D             |
|                 | 64QAM      | /                       | /                  | /                | 8.924        | 8M92W7D             |
|                 | 256QAM     | /                       | /                  | /                | 8.928        | 8M93W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 9.287        | 9M29G7D             |
| 15              | PI/2 BPSK  | /                       | /                  | /                | 13.414       | 13M4G7D             |
|                 | QPSK       | 23.09                   | 25.56              | 0.360            | 13.434       | 13M4G7D             |
|                 | 16QAM      | /                       | /                  | /                | 13.429       | 13M4W7D             |
|                 | 64QAM      | /                       | /                  | /                | 13.392       | 13M4W7D             |
|                 | 256QAM     | /                       | /                  | /                | 13.431       | 13M4W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 14.103       | 14M1G7D             |
| 20              | PI/2 BPSK  | 23.08                   | 25.55              | 0.359            | 17.906       | 17M9G7D             |
|                 | QPSK       | 23.13                   | 25.60              | 0.363            | 17.896       | 17M9G7D             |
|                 | 16QAM      | 23.11                   | 25.58              | 0.361            | 17.91        | 17M9W7D             |
|                 | 64QAM      | 21.58                   | 24.05              | 0.254            | 17.911       | 17M9W7D             |
|                 | 256QAM     | 19.20                   | 21.67              | 0.147            | 17.87        | 17M9W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 18.926       | 18M9G7D             |



| n5              |            |                         |                   |                 |              |                     |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                 | /               | 4.488        | 4M49G7D             |
|                 | QPSK       | 23.59                   | 15.37             | 0.034           | 4.509        | 4M51G7D             |
|                 | 16QAM      | /                       | /                 | /               | 4.489        | 4M49W7D             |
|                 | 64QAM      | /                       | /                 | /               | 4.484        | 4M48W7D             |
|                 | 256QAM     | /                       | /                 | /               | 4.479        | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 4.483        | 4M48G7D             |
| 10              | PI/2 BPSK  | /                       | /                 | /               | 8.923        | 8M92G7D             |
|                 | QPSK       | 23.53                   | 15.31             | 0.034           | 8.922        | 8M92G7D             |
|                 | 16QAM      | /                       | /                 | /               | 8.939        | 8M94W7D             |
|                 | 64QAM      | /                       | /                 | /               | 8.924        | 8M92W7D             |
|                 | 256QAM     | /                       | /                 | /               | 8.922        | 8M92W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 9.295        | 9M30G7D             |
| 15              | PI/2 BPSK  | /                       | /                 | /               | 13.415       | 13M4G7D             |
|                 | QPSK       | 23.79                   | 15.57             | 0.036           | 13.424       | 13M4G7D             |
|                 | 16QAM      | /                       | /                 | /               | 13.431       | 13M4W7D             |
|                 | 64QAM      | /                       | /                 | /               | 13.398       | 13M4W7D             |
|                 | 256QAM     | /                       | /                 | /               | 13.423       | 13M4W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 14.108       | 14M1G7D             |
| 20              | PI/2 BPSK  | 23.72                   | 15.50             | 0.035           | 17.858       | 17M9G7D             |
|                 | QPSK       | 23.82                   | 15.60             | 0.036           | 17.862       | 17M9G7D             |
|                 | 16QAM      | 23.76                   | 15.54             | 0.036           | 17.882       | 17M9W7D             |
|                 | 64QAM      | 22.36                   | 14.14             | 0.026           | 17.899       | 17M9W7D             |
|                 | 256QAM     | 20.07                   | 11.85             | 0.015           | 17.855       | 17M9W7D             |
|                 | CP-QPSK    | /                       | /                 | /               | 18.897       | 18M9G7D             |

| n25             |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                  | /                | 4.4841       | 4M48G7D             |
|                 | QPSK       | 23.74                   | 25.14              | 0.327            | 4.4983       | 4M50G7D             |
|                 | 16QAM      | /                       | /                  | /                | 4.4919       | 4M49W7D             |
|                 | 64QAM      | /                       | /                  | /                | 4.4819       | 4M48W7D             |
|                 | 256QAM     | /                       | /                  | /                | 4.4848       | 4M48W7D             |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | CP-QPSK   | /     | /     | /     | 4.482  | 4M48G7D |
| 10 | PI/2 BPSK | /     | /     | /     | 8.9319 | 8M93G7D |
|    | QPSK      | 23.73 | 25.13 | 0.326 | 8.9195 | 8M92G7D |
|    | 16QAM     | /     | /     | /     | 8.9435 | 8M94W7D |
|    | 64QAM     | /     | /     | /     | 8.9217 | 8M92W7D |
|    | 256QAM    | /     | /     | /     | 8.9378 | 8M94W7D |
|    | CP-QPSK   | /     | /     | /     | 9.2844 | 9M28G7D |
| 15 | PI/2 BPSK | /     | /     | /     | 13.402 | 13M4G7D |
|    | QPSK      | 23.82 | 25.22 | 0.333 | 13.418 | 13M4G7D |
|    | 16QAM     | /     | /     | /     | 13.417 | 13M4W7D |
|    | 64QAM     | /     | /     | /     | 13.389 | 13M4W7D |
|    | 256QAM    | /     | /     | /     | 13.433 | 13M4W7D |
|    | CP-QPSK   | /     | /     | /     | 14.1   | 14M1G7D |
| 20 | PI/2 BPSK | /     | /     | /     | 17.876 | 17M9G7D |
|    | QPSK      | 23.89 | 25.29 | 0.338 | 17.867 | 17M9G7D |
|    | 16QAM     | 23.74 | 25.14 | 0.327 | 17.872 | 17M9W7D |
|    | 64QAM     | 22.16 | 23.56 | 0.227 | 17.896 | 17M9W7D |
|    | 256QAM    | 19.88 | 21.28 | 0.134 | 17.849 | 17M9W7D |
|    | CP-QPSK   | /     | /     | /     | 18.912 | 18M9G7D |

| n26(814-824MHz) |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                  | /                | 4.4827       | 4M48G7D             |
|                 | QPSK       | 23.75                   | 15.53              | 0.040            | 4.5144       | 4M51G7D             |
|                 | 16QAM      | 22.99                   | 14.77              | 0.030            | 4.4958       | 4M50W7D             |
|                 | 64QAM      | 21.53                   | 13.31              | 0.020            | 4.4819       | 4M48W7D             |
|                 | 256QAM     | 19.30                   | 11.08              | 0.013            | 4.4824       | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 4.4794       | 4M48G7D             |
| 10              | PI/2 BPSK  | /                       | /                  | /                | 8.9216       | 8M92G7D             |
|                 | QPSK       | 23.13                   | 14.91              | 0.031            | 8.9153       | 8M92G7D             |
|                 | 16QAM      | /                       | /                  | /                | 8.9392       | 8M94W7D             |
|                 | 64QAM      | /                       | /                  | /                | 8.9187       | 8M92W7D             |
|                 | 256QAM     | /                       | /                  | /                | 8.9265       | 8M93W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 9.2746       | 9M27G7D             |



| n26(824-849MHz)    |            |                               |                          |                        |                 |                        |
|--------------------|------------|-------------------------------|--------------------------|------------------------|-----------------|------------------------|
| Bandwidth<br>(MHz) | Modulation | Conducted<br>Average<br>(dBm) | EIRP<br>Average<br>(dBm) | EIRP<br>Average<br>(W) | 99% BW<br>(MHz) | Emission<br>Designator |
| 5                  | PI/2 BPSK  | /                             | /                        | /                      | 4.4883          | 4M49G7D                |
|                    | QPSK       | 23.27                         | 15.05                    | 0.032                  | 4.5101          | 4M51G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 4.4891          | 4M49W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 4.4832          | 4M48W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 4.4864          | 4M49W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 4.4856          | 4M49G7D                |
| 10                 | PI/2 BPSK  | /                             | /                        | /                      | 8.9234          | 8M92G7D                |
|                    | QPSK       | 23.29                         | 15.07                    | 0.032                  | 8.926           | 8M93G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 8.9369          | 8M94W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 8.9248          | 8M92W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 8.9229          | 8M92W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 9.2936          | 9M29G7D                |
| 15                 | PI/2 BPSK  | /                             | /                        | /                      | 13.414          | 13M4G7D                |
|                    | QPSK       | 23.24                         | 15.02                    | 0.032                  | 13.426          | 13M4G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 13.429          | 13M4W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 13.397          | 13M4W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 13.432          | 13M4W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 14.119          | 14M1G7D                |
| 20                 | PI/2 BPSK  | /                             | /                        | /                      | 17.887          | 17M9G7D                |
|                    | QPSK       | 23.77                         | 15.55                    | 0.036                  | 17.855          | 17M9G7D                |
|                    | 16QAM      | 23.16                         | 14.94                    | 0.031                  | 17.881          | 17M9W7D                |
|                    | 64QAM      | 21.67                         | 13.45                    | 0.022                  | 17.885          | 17M9W7D                |
|                    | 256QAM     | 19.59                         | 11.37                    | 0.014                  | 17.851          | 17M9W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 18.887          | 18M9G7D                |



| n41                |            |                               |                          |                        |                 |                        |
|--------------------|------------|-------------------------------|--------------------------|------------------------|-----------------|------------------------|
| Bandwidth<br>(MHz) | Modulation | Conducted<br>Average<br>(dBm) | EIRP<br>Average<br>(dBm) | EIRP<br>Average<br>(W) | 99% BW<br>(MHz) | Emission<br>Designator |
| 20                 | PI/2 BPSK  | /                             | /                        | /                      | 17.874          | 17M9G7D                |
|                    | QPSK       | 24.45                         | 27.77                    | 0.598                  | 17.852          | 17M9G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 17.901          | 17M9W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 17.866          | 17M9W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 17.866          | 17M9W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 17.889          | 17M9G7D                |
| 30                 | PI/2 BPSK  | /                             | /                        | /                      | 26.811          | 26M8G7D                |
|                    | QPSK       | 24.39                         | 27.71                    | 0.590                  | 26.846          | 26M9G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 26.87           | 26M9W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 26.85           | 26M9W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 26.823          | 26M8W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 26.836          | 26M8G7D                |
| 40                 | PI/2 BPSK  | /                             | /                        | /                      | 35.841          | 35M8G7D                |
|                    | QPSK       | 24.40                         | 27.72                    | 0.592                  | 35.844          | 35M8G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 35.849          | 35M9W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 35.844          | 35M8W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 35.805          | 35M8W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 35.733          | 35M7G7D                |
| 50                 | PI/2 BPSK  | /                             | /                        | /                      | 45.818          | 45M8G7D                |
|                    | QPSK       | 24.34                         | 27.66                    | 0.583                  | 45.865          | 45M9G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 45.855          | 45M9W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 45.792          | 45M8W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 45.85           | 45M9W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 45.751          | 45M8G7D                |
| 60                 | PI/2 BPSK  | /                             | /                        | /                      | 58.004          | 58M0G7D                |
|                    | QPSK       | 24.22                         | 27.54                    | 0.568                  | 57.888          | 57M9G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 57.901          | 57M9W7D                |
|                    | 64QAM      | /                             | /                        | /                      | 58.032          | 58M0W7D                |
|                    | 256QAM     | /                             | /                        | /                      | 58.056          | 58M1W7D                |
|                    | CP-QPSK    | /                             | /                        | /                      | 57.861          | 57M9G7D                |
| 70                 | PI/2 BPSK  | /                             | /                        | /                      | 64.415          | 64M4G7D                |
|                    | QPSK       | 24.25                         | 27.57                    | 0.571                  | 64.472          | 64M5G7D                |
|                    | 16QAM      | /                             | /                        | /                      | 64.387          | 64M4W7D                |



|     |           |       |       |       |        |         |
|-----|-----------|-------|-------|-------|--------|---------|
|     | 64QAM     | /     | /     | /     | 64.255 | 64M3W7D |
|     | 256QAM    | /     | /     | /     | 64.263 | 64M3W7D |
|     | CP-QPSK   | /     | /     | /     | 64.272 | 64M3G7D |
| 80  | PI/2 BPSK | /     | /     | /     | 77.105 | 77M1G7D |
|     | QPSK      | 24.19 | 27.51 | 0.564 | 77.211 | 77M2G7D |
|     | 16QAM     | /     | /     | /     | 77.3   | 77M3W7D |
|     | 64QAM     | /     | /     | /     | 77.314 | 77M3W7D |
|     | 256QAM    | /     | /     | /     | 77.14  | 77M1W7D |
|     | CP-QPSK   | /     | /     | /     | 77.152 | 77M2G7D |
| 90  | PI/2 BPSK | /     | /     | /     | 86.775 | 86M8G7D |
|     | QPSK      | 24.11 | 27.43 | 0.553 | 86.803 | 86M8G7D |
|     | 16QAM     | /     | /     | /     | 86.899 | 86M9W7D |
|     | 64QAM     | /     | /     | /     | 86.833 | 86M8W7D |
|     | 256QAM    | /     | /     | /     | 86.652 | 86M7W7D |
|     | CP-QPSK   | /     | /     | /     | 86.911 | 86M9G7D |
| 100 | PI/2 BPSK | /     | /     | /     | 96.448 | 96M5G7D |
|     | QPSK      | 24.58 | 27.90 | 0.617 | 96.506 | 96M5G7D |
|     | 16QAM     | 23.12 | 26.44 | 0.441 | 96.648 | 96M7W7D |
|     | 64QAM     | 21.70 | 25.02 | 0.318 | 96.457 | 96M5W7D |
|     | 256QAM    | /     | /     | /     | 96.399 | 96M4W7D |
|     | CP-QPSK   | /     | /     | /     | 96.491 | 96M5G7D |

| n48             |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20              | PI/2 BPSK  | /                       | /                  | /                | 17.831       | 17M8G7D             |
|                 | QPSK       | 26.29                   | 26.03              | 0.401            | 17.835       | 17M8G7D             |
|                 | 16QAM      | /                       | /                  | /                | 17.89        | 17M9W7D             |
|                 | 64QAM      | /                       | /                  | /                | 17.837       | 17M8W7D             |
|                 | 256QAM     | /                       | /                  | /                | 17.832       | 17M8W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 17.891       | 17M9G7D             |
| 40              | PI/2 BPSK  | 26.25                   | 25.99              | 0.397            | 35.746       | 35M8G7D             |
|                 | QPSK       | 26.73                   | 26.47              | 0.444            | 35.801       | 35M8G7D             |
|                 | 16QAM      | 24.36                   | 24.10              | 0.257            | 35.796       | 35M8W7D             |
|                 | 64QAM      | 22.40                   | 22.14              | 0.164            | 35.808       | 35M8W7D             |
|                 | 256QAM     | 20.76                   | 20.50              | 0.112            | 35.775       | 35M8W7D             |



|  |         |   |   |   |        |         |
|--|---------|---|---|---|--------|---------|
|  | CP-QPSK | / | / | / | 35.694 | 35M7G7D |
|--|---------|---|---|---|--------|---------|

| n66             |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                  | /                | 4.487        | 4M49G7D             |
|                 | QPSK       | 22.83                   | 25.51              | 0.356            | 4.489        | 4M49G7D             |
|                 | 16QAM      | /                       | /                  | /                | 4.497        | 4M50W7D             |
|                 | 64QAM      | /                       | /                  | /                | 4.472        | 4M47W7D             |
|                 | 256QAM     | /                       | /                  | /                | 4.482        | 4M48W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 4.474        | 4M47G7D             |
| 10              | PI/2 BPSK  | /                       | /                  | /                | 8.92         | 8M92G7D             |
|                 | QPSK       | 22.78                   | 25.46              | 0.352            | 8.927        | 8M93G7D             |
|                 | 16QAM      | /                       | /                  | /                | 8.953        | 8M95W7D             |
|                 | 64QAM      | /                       | /                  | /                | 8.924        | 8M92W7D             |
|                 | 256QAM     | /                       | /                  | /                | 8.937        | 8M94W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 9.284        | 9M28G7D             |
| 15              | PI/2 BPSK  | /                       | /                  | /                | 13.411       | 13M4G7D             |
|                 | QPSK       | 22.96                   | 25.64              | 0.366            | 13.434       | 13M4G7D             |
|                 | 16QAM      | /                       | /                  | /                | 13.43        | 13M4W7D             |
|                 | 64QAM      | /                       | /                  | /                | 13.39        | 13M4W7D             |
|                 | 256QAM     | /                       | /                  | /                | 13.417       | 13M4W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 14.112       | 14M1G7D             |
| 20              | PI/2 BPSK  | 22.88                   | 25.56              | 0.360            | 17.878       | 17M9G7D             |
|                 | QPSK       | 22.90                   | 25.58              | 0.361            | 17.873       | 17M9G7D             |
|                 | 16QAM      | 22.81                   | 25.49              | 0.354            | 17.892       | 17M9W7D             |
|                 | 64QAM      | 21.46                   | 24.14              | 0.259            | 17.905       | 17M9W7D             |
|                 | 256QAM     | 19.09                   | 21.77              | 0.150            | 17.86        | 17M9W7D             |
|                 | CP-QPSK    | /                       | /                  | /                | 18.905       | 18M9G7D             |

| n71             |            |                         |                    |                  |              |                     |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5               | PI/2 BPSK  | /                       | /                  | /                | 4.4834       | 4M48G7D             |
|                 | QPSK       | 23.29                   | 15.36              | 0.034            | 4.5025       | 4M50G7D             |



|    |           |       |       |       |        |         |
|----|-----------|-------|-------|-------|--------|---------|
|    | 16QAM     | /     | /     | /     | 4.4919 | 4M49W7D |
|    | 64QAM     | /     | /     | /     | 4.4784 | 4M48W7D |
|    | 256QAM    | /     | /     | /     | 4.4911 | 4M49W7D |
|    | CP-QPSK   | /     | /     | /     | 4.4802 | 4M48G7D |
| 10 | PI/2 BPSK | /     | /     | /     | 8.9256 | 8M93G7D |
|    | QPSK      | 23.40 | 15.47 | 0.035 | 8.9163 | 8M92G7D |
|    | 16QAM     | /     | /     | /     | 8.9389 | 8M94W7D |
|    | 64QAM     | /     | /     | /     | 8.9254 | 8M93W7D |
|    | 256QAM    | /     | /     | /     | 8.9243 | 8M92W7D |
|    | CP-QPSK   | /     | /     | /     | 9.2847 | 9M28G7D |
| 15 | PI/2 BPSK | /     | /     | /     | 13.42  | 13M4G7D |
|    | QPSK      | 23.44 | 15.51 | 0.036 | 13.422 | 13M4G7D |
|    | 16QAM     | /     | /     | /     | 13.426 | 13M4W7D |
|    | 64QAM     | /     | /     | /     | 13.396 | 13M4W7D |
|    | 256QAM    | /     | /     | /     | 13.429 | 13M4W7D |
|    | CP-QPSK   | /     | /     | /     | 14.097 | 14M1G7D |
| 20 | PI/2 BPSK | 23.53 | 15.60 | 0.036 | 17.862 | 17M9G7D |
|    | QPSK      | 23.76 | 15.83 | 0.038 | 17.856 | 17M9G7D |
|    | 16QAM     | 23.42 | 15.49 | 0.035 | 17.857 | 17M9W7D |
|    | 64QAM     | 21.86 | 13.93 | 0.025 | 17.888 | 17M9W7D |
|    | 256QAM    | 19.36 | 11.43 | 0.014 | 17.832 | 17M8W7D |
|    | CP-QPSK   | /     | /     | /     | 18.904 | 18M9G7D |

| n77(3450-3550MHz) |            |                         |                    |                  |              |                     |
|-------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)   | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20                | PI/2 BPSK  | /                       | /                  | /                | 17.852       | 17M9G7D             |
|                   | QPSK       | 26.81                   | 28.18              | 0.658            | 17.838       | 17M8G7D             |
|                   | 16QAM      | /                       | /                  | /                | 17.879       | 17M9W7D             |
|                   | 64QAM      | /                       | /                  | /                | 17.863       | 17M9W7D             |
|                   | 256QAM     | /                       | /                  | /                | 17.857       | 17M9W7D             |
|                   | CP-QPSK    | /                       | /                  | /                | 17.896       | 17M9G7D             |
| 30                | PI/2 BPSK  | /                       | /                  | /                | 26.791       | 26M8G7D             |
|                   | QPSK       | 26.84                   | 28.21              | 0.662            | 26.819       | 26M8G7D             |
|                   | 16QAM      | /                       | /                  | /                | 26.855       | 26M9W7D             |
|                   | 64QAM      | /                       | /                  | /                | 26.815       | 26M8W7D             |



|     |           |       |       |       |        |         |
|-----|-----------|-------|-------|-------|--------|---------|
|     | 256QAM    | /     | /     | /     | 26.859 | 26M9W7D |
|     | CP-QPSK   | /     | /     | /     | 26.794 | 26M8G7D |
| 40  | PI/2 BPSK | /     | /     | /     | 35.76  | 35M8G7D |
|     | QPSK      | 26.89 | 28.26 | 0.670 | 35.783 | 35M8G7D |
|     | 16QAM     | /     | /     | /     | 35.8   | 35M8W7D |
|     | 64QAM     | /     | /     | /     | 35.794 | 35M8W7D |
|     | 256QAM    | /     | /     | /     | 35.773 | 35M8W7D |
|     | CP-QPSK   | /     | /     | /     | 35.698 | 35M7G7D |
| 60  | PI/2 BPSK | /     | /     | /     | 57.936 | 57M9G7D |
|     | QPSK      | 26.62 | 27.99 | 0.630 | 57.918 | 57M9G7D |
|     | 16QAM     | /     | /     | /     | 57.883 | 57M9W7D |
|     | 64QAM     | /     | /     | /     | 57.983 | 58M0W7D |
|     | 256QAM    | /     | /     | /     | 57.929 | 57M9W7D |
|     | CP-QPSK   | /     | /     | /     | 57.812 | 57M8G7D |
| 80  | PI/2 BPSK | /     | /     | /     | 76.955 | 77M0G7D |
|     | QPSK      | 26.83 | 28.20 | 0.661 | 77.1   | 77M1G7D |
|     | 16QAM     | /     | /     | /     | 77.162 | 77M2W7D |
|     | 64QAM     | /     | /     | /     | 77.122 | 77M1W7D |
|     | 256QAM    | /     | /     | /     | 77.068 | 77M1W7D |
|     | CP-QPSK   | /     | /     | /     | 77.067 | 77M1G7D |
| 100 | PI/2 BPSK | 26.82 | 28.19 | 0.659 | 96.232 | 96M2G7D |
|     | QPSK      | 26.93 | 28.30 | 0.676 | 96.289 | 96M3G7D |
|     | 16QAM     | 25.83 | 27.20 | 0.525 | 96.263 | 96M3W7D |
|     | 64QAM     | 24.47 | 25.84 | 0.384 | 96.296 | 96M3W7D |
|     | 256QAM    | 22.28 | 23.65 | 0.232 | 96.294 | 96M3W7D |
|     | CP-QPSK   | /     | /     | /     | 96.197 | 96M2G7D |

| n77(3700-3980MHz) |            |                         |                    |                  |              |                     |
|-------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)   | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20                | PI/2 BPSK  | /                       | /                  | /                | 17.84        | 17M8G7D             |
|                   | QPSK       | 27.99                   | 29.36              | 0.863            | 17.842       | 17M8G7D             |
|                   | 16QAM      | /                       | /                  | /                | 17.871       | 17M9W7D             |
|                   | 64QAM      | /                       | /                  | /                | 17.831       | 17M8W7D             |
|                   | 256QAM     | /                       | /                  | /                | 17.849       | 17M9W7D             |
|                   | CP-QPSK    | /                       | /                  | /                | 17.887       | 17M9G7D             |



|     |           |       |       |       |        |         |
|-----|-----------|-------|-------|-------|--------|---------|
| 30  | PI/2 BPSK | /     | /     | /     | 26.785 | 26M8G7D |
|     | QPSK      | 27.95 | 29.32 | 0.855 | 26.806 | 26M8G7D |
|     | 16QAM     | /     | /     | /     | 26.824 | 26M8W7D |
|     | 64QAM     | /     | /     | /     | 26.79  | 26M8W7D |
|     | 256QAM    | /     | /     | /     | 26.806 | 26M8W7D |
|     | CP-QPSK   | /     | /     | /     | 26.806 | 26M8G7D |
| 40  | PI/2 BPSK | /     | /     | /     | 35.746 | 35M8G7D |
|     | QPSK      | 28.07 | 29.44 | 0.879 | 35.758 | 35M8G7D |
|     | 16QAM     | /     | /     | /     | 35.809 | 35M8W7D |
|     | 64QAM     | /     | /     | /     | 35.778 | 35M8W7D |
|     | 256QAM    | /     | /     | /     | 35.786 | 35M8W7D |
|     | CP-QPSK   | /     | /     | /     | 35.685 | 35M7G7D |
| 60  | PI/2 BPSK | /     | /     | /     | 57.902 | 57M9G7D |
|     | QPSK      | 27.86 | 29.23 | 0.838 | 57.867 | 57M9G7D |
|     | 16QAM     | /     | /     | /     | 57.918 | 57M9W7D |
|     | 64QAM     | /     | /     | /     | 57.95  | 58M0W7D |
|     | 256QAM    | /     | /     | /     | 57.831 | 57M8W7D |
|     | CP-QPSK   | /     | /     | /     | 57.874 | 57M9G7D |
| 80  | PI/2 BPSK | /     | /     | /     | 77.126 | 77M1G7D |
|     | QPSK      | 27.91 | 29.28 | 0.847 | 77.141 | 77M1G7D |
|     | 16QAM     | /     | /     | /     | 77.295 | 77M3W7D |
|     | 64QAM     | /     | /     | /     | 77.094 | 77M1W7D |
|     | 256QAM    | /     | /     | /     | 77.074 | 77M1W7D |
|     | CP-QPSK   | /     | /     | /     | 77.116 | 77M1G7D |
| 100 | PI/2 BPSK | 27.87 | 29.24 | 0.839 | 96.404 | 96M4G7D |
|     | QPSK      | 28.67 | 30.04 | 1.009 | 96.373 | 96M4G7D |
|     | 16QAM     | 26.93 | 28.30 | 0.676 | 96.342 | 96M3W7D |
|     | 64QAM     | 26.80 | 28.17 | 0.656 | 96.333 | 96M3W7D |
|     | 256QAM    | 23.15 | 24.52 | 0.283 | 96.403 | 96M4W7D |
|     | CP-QPSK   | /     | /     | /     | 96.235 | 96M2G7D |

| n78(3450-3550MHz) |            |                         |                    |                  |              |                     |
|-------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz)   | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20                | PI/2 BPSK  | /                       | /                  | /                | /            | /                   |
|                   | QPSK       | 27.90                   | 27.73              | 0.593            | /            | /                   |



|    |           |       |       |       |   |   |
|----|-----------|-------|-------|-------|---|---|
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
| 30 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 27.96 | 27.79 | 0.601 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    |           |       |       |       |   |   |
| 40 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 27.99 | 27.82 | 0.605 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    |           |       |       |       |   |   |
| 50 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 27.93 | 27.76 | 0.597 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    |           |       |       |       |   |   |
| 60 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 27.94 | 27.77 | 0.598 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    |           |       |       |       |   |   |
| 70 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 27.99 | 27.82 | 0.605 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    |           |       |       |       |   |   |
| 80 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 27.98 | 27.81 | 0.604 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |
|    | 256QAM    | /     | /     | /     | / | / |
|    |           |       |       |       |   |   |
| 90 | PI/2 BPSK | /     | /     | /     | / | / |
|    | QPSK      | 27.98 | 27.81 | 0.604 | / | / |
|    | 16QAM     | /     | /     | /     | / | / |
|    | 64QAM     | /     | /     | /     | / | / |



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|     |           |       |       |       |   |   |
|-----|-----------|-------|-------|-------|---|---|
|     | 256QAM    | /     | /     | /     | / | / |
| 100 | PI/2 BPSK | 27.99 | 27.82 | 0.605 | / | / |
|     | QPSK      | 28.02 | 27.85 | 0.610 | / | / |
|     | 16QAM     | 26.82 | 26.65 | 0.462 | / | / |
|     | 64QAM     | 25.50 | 25.33 | 0.341 | / | / |
|     | 256QAM    | 23.37 | 23.20 | 0.209 | / | / |



| n78(3700-3800MHz)  |            |                               |                          |                        |                 |                        |
|--------------------|------------|-------------------------------|--------------------------|------------------------|-----------------|------------------------|
| Bandwidth<br>(MHz) | Modulation | Conducted<br>Average<br>(dBm) | EIRP<br>Average<br>(dBm) | EIRP<br>Average<br>(W) | 99% BW<br>(MHz) | Emission<br>Designator |
| 20                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 27.66                         | 27.49                    | 0.561                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 30                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 27.67                         | 27.50                    | 0.562                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 40                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 27.89                         | 27.72                    | 0.592                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 50                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 27.68                         | 27.51                    | 0.564                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 60                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 27.58                         | 27.41                    | 0.551                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 70                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 27.68                         | 27.51                    | 0.564                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 64QAM      | /                             | /                        | /                      | /               | /                      |
|                    | 256QAM     | /                             | /                        | /                      | /               | /                      |
| 80                 | PI/2 BPSK  | /                             | /                        | /                      | /               | /                      |
|                    | QPSK       | 27.43                         | 27.26                    | 0.532                  | /               | /                      |
|                    | 16QAM      | /                             | /                        | /                      | /               | /                      |



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|     |           |       |       |       |   |   |
|-----|-----------|-------|-------|-------|---|---|
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
| 90  | PI/2 BPSK | /     | /     | /     | / | / |
|     | QPSK      | 26.92 | 26.75 | 0.473 | / | / |
|     | 16QAM     | /     | /     | /     | / | / |
|     | 64QAM     | /     | /     | /     | / | / |
|     | 256QAM    | /     | /     | /     | / | / |
|     |           |       |       |       |   |   |
| 100 | PI/2 BPSK | 27.71 | 27.54 | 0.568 | / | / |
|     | QPSK      | 27.73 | 27.56 | 0.570 | / | / |
|     | 16QAM     | 25.38 | 25.21 | 0.332 | / | / |
|     | 64QAM     | 24.07 | 23.90 | 0.245 | / | / |
|     | 256QAM    | 21.78 | 21.61 | 0.145 | / | / |
|     |           |       |       |       |   |   |



## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27, Part 90 and Part96 for the EUT FCC ID Certification:

| No | Identity       | Document Title                                                                |
|----|----------------|-------------------------------------------------------------------------------|
| 1  | 47 CFR Part 2  | Frequency Allocations and Radio Treaty Matters; General Rules and Regulations |
| 2  | 47 CFR Part 22 | Public Mobile Services                                                        |
| 3  | 47 CFR Part 24 | Personal Communications Services                                              |
| 4  | 47 CFR Part 27 | Miscellaneous Wireless Communications Services                                |
| 5  | 47 CFR Part 90 | Miscellaneous Wireless Communications Services                                |
| 6  | 47 CFR Part 96 | CITIZENS BROADBAND RADIO SERVICE                                              |

| n2 & n25                                         |                           |                                |        |
|--------------------------------------------------|---------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.              | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§24.232(c)    | EIRP $\leq$ 2 W                | PASS   |
| Peak-Average Ratio                               | §24.232(d)                | Limit $\leq$ 13 dB             | PASS   |
| Bandwidth                                        | §2.1049                   | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§24.238(a)(b) | Refer to section 2.6           | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§24.238(a)(b) | $\leq$ -13 dBm/1MHz            | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§24.238(a)    | $\leq$ -13 dBm/1MHz            | PASS   |
| Frequency Stability                              | §2.1055,<br>§24.235       | No limit                       | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



| n5& n26(824-849MHz)                              |                           |                                |        |
|--------------------------------------------------|---------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.              | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§22.913(a)(5) | ERP ≤ 7W                       | PASS   |
| Peak-Average Ratio                               | N/A                       | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                   | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§22.917(a)(b) | Refer to section 2.6           | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§22.917(a)    | ≤ -13 dBm/1MHz                 | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§22.917(a)    | ≤ -13 dBm/1MHz                 | PASS   |
| Frequency Stability                              | §2.1055,<br>§22.355       | ≤ ±2.5ppm                      | PASS   |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

| n26(814-824MHz)                                  |                        |                                            |
|--------------------------------------------------|------------------------|--------------------------------------------|
| Item                                             | FCC Rule No.           | Requirements                               |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§90.635(b) | ERP ≤ 3W                                   |
| Peak-Average Ratio                               | N/A                    | N/A                                        |
| Bandwidth                                        | §2.1049                | OBW: No limit<br>EBW: No limit             |
| Band Edges Compliance                            | §2.1051,<br>§90.691(a) | Refer to section the following description |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§90.691(a) | ≤ -13 dBm/1MHz                             |
| Field Strength of Spurious Radiation             | §2.1053,<br>§90.691(a) | ≤ -13 dBm/1MHz                             |
| Frequency Stability                              | §2.1055,<br>§90.543    | No limit                                   |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



| n41                                              |                          |                                |        |
|--------------------------------------------------|--------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.             | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(h)(2) | EIRP ≤2W                       | PASS   |
| Peak-Average Ratio                               | N/A                      | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                  | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(m)(4) | Refer to section 2.6           | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53(m)(4) | ≤ -25 dBm/1MHz                 | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53(m)(4) | ≤ -25 dBm/1MHz                 | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54       | No limit                       | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

| n48                                              |                       |                                |        |
|--------------------------------------------------|-----------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.          | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§96.41(b) | Refer to section 2.1           | PASS   |
| Peak-Average Ratio                               | §96.39(g)             | ≤ 13 dB                        | PASS   |
| Bandwidth                                        | §2.1049               | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§96.41(e) | Refer to section 2.6           | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§96.41(e) | ≤ -40 dBm/1MHz                 | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§96.41(e) | ≤ -40 dBm/1MHz                 | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54    | No limit                       | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



| n66                                              |                                             |                                  |        |
|--------------------------------------------------|---------------------------------------------|----------------------------------|--------|
| Item                                             | FCC Rule No.                                | Requirements                     | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(d)(4)                    | EIRP $\leq$ 1 W                  | PASS   |
| Peak-Average Ratio                               | §27.50(d) (5)                               | Limit $\leq$ 13 dB               | PASS   |
| Bandwidth                                        | §2.1049                                     | OBW: No limit.<br>EBW: No limit. | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(h)(1)<br>§27.53(h)(3)(i) | Refer to section 2.6             | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53(h)(1)                    | $\leq$ -13 dBm/1MHz              | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53(h)(1)                    | $\leq$ -13 dBm/1MHz.             | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54                          | No limit                         | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

| n71                                              |                           |                                |        |
|--------------------------------------------------|---------------------------|--------------------------------|--------|
| Item                                             | FCC Rule No.              | Requirements                   | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(c)(10) | ERP $\leq$ 3W                  | PASS   |
| Peak-Average Ratio                               | N/A                       | N/A                            | N/A    |
| Bandwidth                                        | §2.1049                   | OBW: No limit<br>EBW: No limit | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(g)     | Refer to section 2.6           | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53(g)     | $\leq$ -13 dBm/1MHz            | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53(g)     | $\leq$ -13 dBm/1MHz            | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54        | No limit                       | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



| n77(3450~3550MHz) & n78(3450~3550MHz)            |                          |                                  |        |
|--------------------------------------------------|--------------------------|----------------------------------|--------|
| Item                                             | FCC Rule No.             | Requirements                     | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(K)(3) | EIRP $\leq$ 1W                   | PASS   |
| Peak-Average Ratio                               | §27.50(K)(4)             | $\leq$ 13 dB                     | PASS   |
| Bandwidth                                        | §2.1049                  | OBW: No limit.<br>EBW: No limit. | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(l)(2) | Refer to section 2.6             | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53(l)(2) | $\leq$ -13 dBm/1MHz              | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53(l)(2) | $\leq$ -13 dBm/1MHz.             | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54       | No limit                         | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

| n77(3700~3980MHz) & n78(3700~3800MHz)            |                          |                                  |        |
|--------------------------------------------------|--------------------------|----------------------------------|--------|
| Item                                             | FCC Rule No.             | Requirements                     | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046,<br>§27.50(j)(3) | EIRP $\leq$ 1W                   | PASS   |
| Peak-Average Ratio                               | §27.50(j)(4)             | $\leq$ 13 dB                     | PASS   |
| Bandwidth                                        | §2.1049                  | OBW: No limit.<br>EBW: No limit. | PASS   |
| Band Edges Compliance                            | §2.1051,<br>§27.53(n)(2) | Refer to section 2.6             | PASS   |
| Spurious Emission at Antenna Terminals           | §2.1051,<br>§27.53(n)(2) | $\leq$ -13 dBm/1MHz              | PASS   |
| Field Strength of Spurious Radiation             | §2.1053,<br>§27.53(m)(4) | $\leq$ -13 dBm/1MHz.             | PASS   |
| Frequency Stability                              | §2.1055,<br>§27.54       | No limit                         | N/A    |

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



Test detailed items/section required by FCC rules and results are as below:

| Test Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Test Engineer | Result | Method Determination /Remark |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------|------------------------------|
| Transmitter Conducted Output Power and ERP/EIRP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Li Huaijie    | PASS   | Nodeviation                  |
| Occupied Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Li Huaijie    | PASS   | Nodeviation                  |
| Frequency Stability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Li Huaijie    | PASS   | Nodeviation                  |
| Peak to Average Radio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Li Huaijie    | PASS   | Nodeviation                  |
| Conducted Spurious Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Li Huaijie    | PASS   | Nodeviation                  |
| Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Li Huaijie    | PASS   | Nodeviation                  |
| Radiated Spurious Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Gao Jianrou   | PASS   | Nodeviation                  |
| <p><b>Note 1:</b> The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.</p> <p><b>Note 2:</b> Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.</p> <p><b>Note 3:</b> The declared of product specification for EUT presented in the report are provided by manufacturer and the test laboratory is not responsible for the accuracy of the information.</p> <p><b>Note 4:</b> When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.</p> |               |        |                              |

## 1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

|                        |         |
|------------------------|---------|
| Temperature (°C):      | 15 - 35 |
| Relative Humidity (%): | 30 -60  |

## 2. Summary Test Results and Description

### 2.1. Transmitter Conducted Output Power

#### 2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for n2,n25, the ERP of Mobile and portable stations are limited to 2 watts EIRP.

According to FCC section 27.50 (d)(4) for n66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(5) for n5, n26(824-849MHz), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for n41, mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50(c)(10) for n71, Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to FCC section 90.635(b) for n26 (814-824MHz), the maximum output power of the transmitter for mobile stations is 100 watts.

According to FCC section 96.41(b) for n48, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table as below. Paragraph

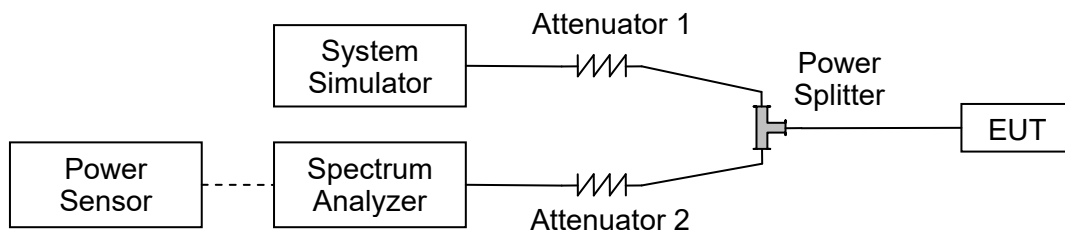
| Device                       | Maximum EIRP (dBm/10 megahertz) | Maximum PSD (dBm/MHz) |
|------------------------------|---------------------------------|-----------------------|
| End User Device              | 23                              | n/a                   |
| Category A CBSD              | 30                              | 20                    |
| Category B CBSD <sup>1</sup> | 47                              | 37                    |

According to FCC section 27.50(j)(3) for n77(3700-3980MHz), n78(3700-3800MHz), mobile and

portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(k)(3) for n77, n78(3450-3550MHz), Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

### 2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

### 2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

**2.1.4. Conducted Output Power**

| n2              |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | 372000      | 376000         | 380000       |
| Frequency (MHz) |                      |         |          | 1860        | 1880           | 1900         |
| 20              | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 23.51       | 23.35          | 23.06        |
| 20              |                      | 1       | 53       | 23.50       | 23.20          | 23.12        |
| 20              |                      | 1       | 104      | 23.41       | 23.11          | 23.05        |
| 20              |                      | 50      | 1        | 23.06       | 22.88          | 22.70        |
| 20              |                      | 50      | 25       | 23.56       | 23.32          | 23.18        |
| 20              |                      | 50      | 50       | 23.02       | 22.75          | 22.62        |
| 20              |                      | 100     | 0        | 23.08       | 22.82          | 22.67        |
| 20              | DFT-s-OFDM QPSK      | 1       | 1        | 23.47       | 23.35          | 23.09        |
| 20              |                      | 1       | 53       | 23.50       | 23.34          | 23.17        |
| 20              |                      | 1       | 104      | 23.38       | 23.12          | 23.02        |
| 20              |                      | 50      | 1        | 22.57       | 22.33          | 22.16        |
| 20              |                      | 50      | 25       | 23.54       | 23.33          | 23.12        |
| 20              |                      | 50      | 50       | 22.54       | 22.28          | 22.10        |
| 20              |                      | 100     | 0        | 22.58       | 22.35          | 22.14        |
| 20              | DFT-s-OFDM 16QAM     | 1       | 1        | 22.43       | 22.33          | 22.04        |
| 20              | DFT-s-OFDM 64QAM     | 1       | 1        | 20.99       | 20.84          | 20.60        |
| 20              | DFT-s-OFDM 256QAM    | 1       | 1        | 18.78       | 18.65          | 18.38        |
| 20              | CP-OFDM QPSK         | 1       | 1        | 21.97       | 21.80          | 21.57        |
| 20              | CP-OFDM 16QAM        | 1       | 1        | 21.45       | 21.30          | 21.05        |
| 20              | CP-OFDM 64QAM        | 1       | 1        | 19.78       | 19.63          | 19.43        |
| 20              | CP-OFDM 256QAM       | 1       | 1        | 16.78       | 16.62          | 16.39        |
| Channel         |                      |         |          | 371500      | 376000         | 380500       |
| Frequency (MHz) |                      |         |          | 1857.5      | 1880           | 1902.5       |
| 15              | DFT-s-OFDM QPSK      | 1       | 1        | 23.51       | 23.36          | 23.15        |
| Channel         |                      |         |          | 371000      | 376000         | 381000       |
| Frequency (MHz) |                      |         |          | 1855        | 1880           | 1905         |
| 10              | DFT-s-OFDM QPSK      | 1       | 1        | 23.45       | 23.36          | 23.03        |
| Channel         |                      |         |          | 370500      | 376000         | 381500       |
| Frequency (MHz) |                      |         |          | 1852.5      | 1880           | 1907.5       |
| 5               | DFT-s-OFDM QPSK      | 1       | 1        | 23.50       | 23.34          | 22.96        |



| n5              |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | 166800      | 167300         | 167800       |
| Frequency (MHz) |                      |         |          | 834         | 836.5          | 839          |
| 20              | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 23.61       | 23.67          | 23.67        |
| 20              |                      | 1       | 53       | 23.53       | 23.51          | 23.55        |
| 20              |                      | 1       | 104      | 23.27       | 23.21          | 23.29        |
| 20              |                      | 50      | 1        | 23.72       | 23.71          | 23.72        |
| 20              |                      | 50      | 25       | 23.62       | 23.66          | 23.59        |
| 20              |                      | 50      | 50       | 23.62       | 23.51          | 23.49        |
| 20              |                      | 100     | 0        | 23.70       | 23.62          | 23.54        |
| 20              | DFT-s-OFDM QPSK      | 1       | 1        | 23.77       | 23.82          | 23.81        |
| 20              |                      | 1       | 53       | 23.60       | 23.60          | 23.68        |
| 20              |                      | 1       | 104      | 23.35       | 23.24          | 23.32        |
| 20              |                      | 50      | 1        | 23.71       | 23.73          | 23.64        |
| 20              |                      | 50      | 25       | 23.65       | 23.65          | 23.56        |
| 20              |                      | 50      | 50       | 23.50       | 23.54          | 23.31        |
| 20              |                      | 100     | 0        | 23.69       | 23.67          | 23.51        |
| 20              | DFT-s-OFDM 16QAM     | 1       | 1        | 23.72       | 23.76          | 23.75        |
| 20              | DFT-s-OFDM 64QAM     | 1       | 1        | 22.14       | 22.33          | 22.36        |
| 20              | DFT-s-OFDM 256QAM    | 1       | 1        | 19.98       | 20.07          | 20.00        |
| 20              | CP-OFDM QPSK         | 1       | 1        | 23.21       | 23.31          | 23.11        |
| 20              | CP-OFDM 16QAM        | 1       | 1        | 22.80       | 22.82          | 22.77        |
| 20              | CP-OFDM 64QAM        | 1       | 1        | 21.27       | 21.42          | 21.32        |
| 20              | CP-OFDM 256QAM       | 1       | 1        | 18.01       | 18.11          | 18.10        |
| Channel         |                      |         |          | 166300      | 167300         | 168300       |
| Frequency (MHz) |                      |         |          | 831.5       | 836.5          | 841.5        |
| 15              | DFT-s-OFDM QPSK      | 1       | 1        | 23.75       | 23.79          | 23.57        |
| Channel         |                      |         |          | 165800      | 167300         | 168800       |
| Frequency (MHz) |                      |         |          | 829         | 836.5          | 844          |
| 10              | DFT-s-OFDM QPSK      | 1       | 1        | 23.53       | 23.35          | 23.48        |
| Channel         |                      |         |          | 165300      | 167300         | 169300       |
| Frequency (MHz) |                      |         |          | 826.5       | 836.5          | 846.5        |
| 5               | DFT-s-OFDM QPSK      | 1       | 1        | 23.59       | 23.52          | 23.28        |

| n25             |            |         |          |             |                |              |
|-----------------|------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |            |         |          | 372000      | 376500         | 381000       |
| Frequency (MHz) |            |         |          | 1860.00     | 1882.50        | 1905.00      |



|                 |                      |     |     |        |        |        |
|-----------------|----------------------|-----|-----|--------|--------|--------|
| 20              | DFT-s-OFDM PI/2 BPSK | 1   | 1   | 23.64  | 23.63  | 23.51  |
| 20              |                      | 1   | 53  | 23.73  | 23.63  | 23.49  |
| 20              |                      | 1   | 104 | 23.75  | 23.56  | 23.63  |
| 20              |                      | 50  | 1   | 23.81  | 23.62  | 23.48  |
| 20              |                      | 50  | 25  | 23.85  | 23.66  | 23.60  |
| 20              |                      | 50  | 50  | 23.74  | 23.60  | 23.68  |
| 20              |                      | 100 | 0   | 23.87  | 23.66  | 23.56  |
| 20              |                      | 1   | 1   | 23.88  | 23.89  | 23.86  |
| 20              | DFT-s-OFDM QPSK      | 1   | 53  | 23.81  | 23.49  | 23.52  |
| 20              |                      | 1   | 104 | 23.72  | 23.54  | 23.64  |
| 20              |                      | 50  | 1   | 23.71  | 23.74  | 23.65  |
| 20              |                      | 50  | 25  | 23.86  | 23.66  | 23.60  |
| 20              |                      | 50  | 50  | 23.77  | 23.53  | 23.49  |
| 20              |                      | 100 | 0   | 23.55  | 23.68  | 23.48  |
| 20              |                      | 1   | 1   | 23.74  | 23.58  | 23.48  |
| 20              | DFT-s-OFDM 64QAM     | 1   | 1   | 22.16  | 22.08  | 21.89  |
| 20              | DFT-s-OFDM 256QAM    | 1   | 1   | 19.88  | 19.70  | 19.54  |
| 20              | CP-OFDM QPSK         | 1   | 1   | 22.69  | 22.64  | 22.68  |
| 20              | CP-OFDM 16QAM        | 1   | 1   | 22.62  | 22.50  | 22.37  |
| 20              | CP-OFDM 64QAM        | 1   | 1   | 20.88  | 20.76  | 20.51  |
| 20              | CP-OFDM 256QAM       | 1   | 1   | 17.92  | 17.77  | 17.59  |
| Channel         |                      |     |     | 371500 | 376500 | 381500 |
| Frequency (MHz) |                      |     |     | 1857.5 | 1882.5 | 1907.5 |
| 15              | DFT-s-OFDM QPSK      | 1   | 1   | 23.82  | 23.64  | 23.48  |
| Channel         |                      |     |     | 371000 | 376500 | 382000 |
| Frequency (MHz) |                      |     |     | 1855   | 1882.5 | 1910   |
| 10              | DFT-s-OFDM QPSK      | 1   | 1   | 23.73  | 23.54  | 23.46  |
| Channel         |                      |     |     | 370500 | 376500 | 382500 |
| Frequency (MHz) |                      |     |     | 1852.5 | 1882.5 | 1912.5 |
| 5               | DFT-s-OFDM QPSK      | 1   | 1   | 23.74  | 23.59  | 23.55  |

| n26(814-824MHz) |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | /           | 163800         | /            |
| Frequency (MHz) |                      |         |          | /           | 819            | /            |
| 10              | DFT-s-OFDM PI/2 BPSK | 1       | 1        | /           | 23.03          | /            |
| 10              |                      | 1       | 53       | /           | 23.15          | /            |
| 10              |                      | 1       | 104      | /           | 23.25          | /            |
| 10              |                      | 50      | 1        | /           | 23.15          | /            |
| 10              |                      | 50      | 25       | /           | 23.18          | /            |
| 10              |                      | 50      | 50       | /           | 23.26          | /            |
| 10              |                      | 100     | 0        | /           | 23.21          | /            |



|                 |                   |     |     |        |        |        |
|-----------------|-------------------|-----|-----|--------|--------|--------|
| 10              | DFT-s-OFDM QPSK   | 1   | 1   | /      | 23.75  | /      |
| 10              |                   | 1   | 53  | /      | 23.16  | /      |
| 10              |                   | 1   | 104 | /      | 23.24  | /      |
| 10              |                   | 50  | 1   | /      | 23.64  | /      |
| 10              |                   | 50  | 25  | /      | 23.19  | /      |
| 10              |                   | 50  | 50  | /      | 23.25  | /      |
| 10              |                   | 100 | 0   | /      | 23.59  | /      |
| 10              | DFT-s-OFDM 16QAM  | 1   | 1   | /      | 22.99  | /      |
| 10              | DFT-s-OFDM 64QAM  | 1   | 1   | /      | 21.53  | /      |
| 10              | DFT-s-OFDM 256QAM | 1   | 1   | /      | 19.30  | /      |
| 10              | CP-OFDM QPSK      | 1   | 1   | /      | 22.43  | /      |
| 10              | CP-OFDM 16QAM     | 1   | 1   | /      | 21.93  | /      |
| 10              | CP-OFDM 64QAM     | 1   | 1   | /      | 20.26  | /      |
| 10              | CP-OFDM 256QAM    | 1   | 1   | /      | 17.42  | /      |
| Channel         |                   |     |     | 163300 | 163800 | 164300 |
| Frequency (MHz) |                   |     |     | 816.5  | 819    | 821.5  |
| 5               | DFT-s-OFDM QPSK   | 1   | 1   | 23.01  | 23.05  | 23.13  |

| n26(824-849MHz) |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | 166800      | 167300         | 167800       |
| Frequency (MHz) |                      |         |          | 834         | 836.5          | 839          |
| 20              | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 23.21       | 23.24          | 23.21        |
| 20              |                      | 1       | 53       | 23.22       | 23.11          | 23.05        |
| 20              |                      | 1       | 104      | 23.08       | 23.02          | 23.31        |
| 20              |                      | 50      | 1        | 23.27       | 23.29          | 23.29        |
| 20              |                      | 50      | 25       | 23.31       | 23.23          | 23.17        |
| 20              |                      | 50      | 50       | 23.17       | 23.06          | 23.18        |
| 20              |                      | 100     | 0        | 23.30       | 23.22          | 23.23        |
| 20              | DFT-s-OFDM QPSK      | 1       | 1        | 23.72       | 23.77          | 23.69        |
| 20              |                      | 1       | 53       | 23.26       | 23.10          | 23.06        |
| 20              |                      | 1       | 104      | 23.13       | 23.00          | 23.28        |
| 20              |                      | 50      | 1        | 23.32       | 23.24          | 23.32        |
| 20              |                      | 50      | 25       | 23.30       | 23.22          | 23.22        |
| 20              |                      | 50      | 50       | 23.17       | 23.12          | 23.13        |
| 20              |                      | 100     | 0        | 23.30       | 23.22          | 23.27        |
| 20              | DFT-s-OFDM 16QAM     | 1       | 1        | 23.15       | 23.16          | 23.16        |
| 20              | DFT-s-OFDM 64QAM     | 1       | 1        | 21.67       | 21.67          | 21.65        |
| 20              | DFT-s-OFDM 256QAM    | 1       | 1        | 19.52       | 19.59          | 19.59        |
| 20              | CP-OFDM QPSK         | 1       | 1        | 22.66       | 22.68          | 22.67        |
| 20              | CP-OFDM 16QAM        | 1       | 1        | 22.14       | 22.14          | 22.14        |



|                 |                 |   |   |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|
| 20              | CP-OFDM 64QAM   | 1 | 1 | 20.43  | 20.47  | 20.45  |
| 20              | CP-OFDM 256QAM  | 1 | 1 | 17.73  | 17.73  | 17.64  |
| Channel         |                 |   |   | 166300 | 167300 | 168300 |
| Frequency (MHz) |                 |   |   | 831.5  | 836.5  | 841.5  |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 23.24  | 23.17  | 23.17  |
| Channel         |                 |   |   | 165800 | 167300 | 168800 |
| Frequency (MHz) |                 |   |   | 829    | 836.5  | 844    |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 23.29  | 23.11  | 23.10  |
| Channel         |                 |   |   | 165300 | 167300 | 169300 |
| Frequency (MHz) |                 |   |   | 826.5  | 836.5  | 846.5  |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 23.27  | 23.12  | 22.99  |

| n41             |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | 509202      | 518598         | 528000       |
| Frequency (MHz) |                      |         |          | 2546.01     | 2592.99        | 2640         |
| 100             | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 24.05       | 24.15          | 24.13        |
| 100             |                      | 1       | 136      | 24.15       | 24.21          | 23.95        |
| 100             |                      | 1       | 271      | 24.25       | 24.06          | 23.39        |
| 100             |                      | 135     | 1        | 23.69       | 23.66          | 23.60        |
| 100             |                      | 135     | 67       | 24.25       | 24.22          | 24.03        |
| 100             |                      | 135     | 136      | 23.69       | 23.58          | 23.12        |
| 100             |                      | 270     | 0        | 23.65       | 23.75          | 23.53        |
| 100             | DFT-s-OFDM QPSK      | 1       | 1        | 24.47       | 24.58          | 24.56        |
| 100             |                      | 1       | 136      | 24.16       | 24.12          | 23.97        |
| 100             |                      | 1       | 271      | 24.46       | 24.00          | 23.39        |
| 100             |                      | 135     | 1        | 23.16       | 23.17          | 23.12        |
| 100             |                      | 135     | 67       | 24.24       | 24.22          | 24.05        |
| 100             |                      | 135     | 136      | 23.18       | 23.13          | 22.62        |
| 100             |                      | 270     | 0        | 23.14       | 23.22          | 23.06        |
| 100             | DFT-s-OFDM 16QAM     | 1       | 1        | 23.00       | 23.12          | 23.00        |
| 100             | DFT-s-OFDM 64QAM     | 1       | 1        | 21.58       | 21.70          | 21.63        |
| 100             | DFT-s-OFDM 256QAM    | 1       | 1        | 19.39       | 19.43          | 19.39        |
| 100             | CP-OFDM QPSK         | 1       | 1        | 22.59       | 22.67          | 22.63        |
| 100             | CP-OFDM 16QAM        | 1       | 1        | 22.10       | 22.21          | 22.13        |
| 100             | CP-OFDM 64QAM        | 1       | 1        | 20.18       | 20.23          | 20.25        |
| 100             | CP-OFDM 256QAM       | 1       | 1        | 17.48       | 17.42          | 17.46        |
| Channel         |                      |         |          | 508200      | 518598         | 528996       |
| Frequency (MHz) |                      |         |          | 2541        | 2592.99        | 2644.98      |
| 90              | DFT-s-OFDM QPSK      | 1       | 1        | 24.09       | 24.09          | 24.11        |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| Channel         |                 |   |   | 507204  | 518598  | 529998  |
| Frequency (MHz) |                 |   |   | 2536.02 | 2592.99 | 2649.99 |
| 80              | DFT-s-OFDM QPSK | 1 | 1 | 24.13   | 24.19   | 24.13   |
| Channel         |                 |   |   | 506202  | 518598  | 531000  |
| Frequency (MHz) |                 |   |   | 2531.01 | 2592.99 | 2655    |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 24.15   | 24.25   | 24.19   |
| Channel         |                 |   |   | 505200  | 518598  | 531996  |
| Frequency (MHz) |                 |   |   | 2526    | 2592.99 | 2659.98 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 24.20   | 24.22   | 24.15   |
| Channel         |                 |   |   | 504204  | 518598  | 532998  |
| Frequency (MHz) |                 |   |   | 2521.02 | 2592.99 | 2664.99 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 24.27   | 24.34   | 24.16   |
| Channel         |                 |   |   | 503202  | 518598  | 534000  |
| Frequency (MHz) |                 |   |   | 2516.01 | 2592.99 | 2670    |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 24.40   | 24.26   | 24.11   |
| Channel         |                 |   |   | 502200  | 518598  | 534996  |
| Frequency (MHz) |                 |   |   | 2511    | 2592.99 | 2674.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 24.34   | 24.39   | 23.87   |
| Channel         |                 |   |   | 501204  | 518598  | 535998  |
| Frequency (MHz) |                 |   |   | 2506.02 | 2592.99 | 2679.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 24.32   | 24.45   | 23.81   |

| n48             |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | 638000      | 641666         | 645332       |
| Frequency (MHz) |                      |         |          | 3570        | 3624.99        | 3679.98      |
| 40              | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 24.92       | 23.81          | 25.48        |
| 40              |                      | 1       | 53       | 25.69       | 22.82          | 26.20        |
| 40              |                      | 1       | 104      | 24.58       | 24.41          | 26.25        |
| 40              |                      | 50      | 1        | 24.41       | 22.81          | 25.36        |
| 40              |                      | 50      | 25       | 24.83       | 23.24          | 26.18        |
| 40              |                      | 50      | 50       | 24.14       | 22.98          | 25.43        |
| 40              |                      | 100     | 0        | 24.25       | 22.83          | 25.69        |
| 40              | DFT-s-OFDM QPSK      | 1       | 1        | 26.55       | 26.73          | 26.67        |
| 40              |                      | 1       | 53       | 24.83       | 22.83          | 26.22        |
| 40              |                      | 1       | 104      | 25.58       | 24.41          | 26.70        |
| 40              |                      | 50      | 1        | 25.72       | 25.83          | 25.67        |
| 40              |                      | 50      | 25       | 24.87       | 25.11          | 25.58        |
| 40              |                      | 50      | 50       | 24.56       | 25.45          | 25.50        |
| 40              |                      | 100     | 0        | 25.55       | 25.35          | 25.19        |
| 40              | DFT-s-OFDM 16QAM     | 1       | 1        | 23.81       | 23.66          | 24.36        |



|                 |                      |   |   |         |         |        |
|-----------------|----------------------|---|---|---------|---------|--------|
| 40              | DFT-s-OFDM<br>64QAM  | 1 | 1 | 22.40   | 22.26   | 22.33  |
| 40              | DFT-s-OFDM<br>256QAM | 1 | 1 | 20.25   | 19.14   | 20.76  |
| 40              | CP-OFDM QPSK         | 1 | 1 | 23.44   | 22.30   | 23.97  |
| 40              | CP-OFDM 16QAM        | 1 | 1 | 22.89   | 21.86   | 23.54  |
| 40              | CP-OFDM 64QAM        | 1 | 1 | 21.02   | 19.88   | 21.57  |
| 40              | CP-OFDM 256QAM       | 1 | 1 | 18.25   | 17.05   | 18.75  |
| Channel         |                      |   |   | 637334  | 641666  | 646000 |
| Frequency (MHz) |                      |   |   | 3560.01 | 3624.99 | 3690   |
| 20              | DFT-s-OFDM QPSK      | 1 | 1 | 24.75   | 23.14   | 26.29  |

| n66             |                         |            |             |                |                   |                 |
|-----------------|-------------------------|------------|-------------|----------------|-------------------|-----------------|
| BW<br>[MHz]     | Modulation              | RB<br>Size | RB<br>start | Low<br>Channel | Middle<br>Channel | High<br>Channel |
| Channel         |                         |            |             | 344000         | 349000            | 354000          |
| Frequency (MHz) |                         |            |             | 1720           | 1745              | 1770            |
| 20              | DFT-s-OFDM PI/2<br>BPSK | 1          | 1           | 22.81          | 22.65             | 22.57           |
| 20              |                         | 1          | 53          | 22.73          | 22.60             | 22.51           |
| 20              |                         | 1          | 104         | 22.63          | 22.66             | 22.53           |
| 20              |                         | 50         | 1           | 22.88          | 22.71             | 22.66           |
| 20              |                         | 50         | 25          | 22.87          | 22.66             | 22.61           |
| 20              |                         | 50         | 50          | 22.79          | 22.67             | 22.60           |
| 20              |                         | 100        | 0           | 22.83          | 22.68             | 22.65           |
| 20              | DFT-s-OFDM QPSK         | 1          | 1           | 22.88          | 22.90             | 22.86           |
| 20              |                         | 1          | 53          | 22.81          | 22.59             | 22.49           |
| 20              |                         | 1          | 104         | 22.66          | 22.64             | 22.52           |
| 20              |                         | 50         | 1           | 22.80          | 22.84             | 22.79           |
| 20              |                         | 50         | 25          | 22.78          | 22.74             | 22.59           |
| 20              |                         | 50         | 50          | 22.76          | 22.68             | 22.56           |
| 20              |                         | 100        | 0           | 22.82          | 22.74             | 22.56           |
| 20              | DFT-s-OFDM<br>16QAM     | 1          | 1           | 22.81          | 22.76             | 22.66           |
| 20              | DFT-s-OFDM<br>64QAM     | 1          | 1           | 21.46          | 21.24             | 21.17           |
| 20              | DFT-s-OFDM<br>256QAM    | 1          | 1           | 19.09          | 18.90             | 18.81           |
| 20              | CP-OFDM QPSK            | 1          | 1           | 22.47          | 22.29             | 22.19           |
| 20              | CP-OFDM 16QAM           | 1          | 1           | 22.01          | 21.70             | 21.67           |
| 20              | CP-OFDM 64QAM           | 1          | 1           | 20.56          | 20.35             | 20.28           |
| 20              | CP-OFDM 256QAM          | 1          | 1           | 17.09          | 16.92             | 16.79           |
| Channel         |                         |            |             | 343500         | 349000            | 354500          |
| Frequency (MHz) |                         |            |             | 1717.5         | 1745              | 1772.5          |
| 15              | DFT-s-OFDM QPSK         | 1          | 1           | 22.96          | 22.84             | 22.76           |



|                 |                 |   |   |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|
| Channel         |                 |   |   | 343000 | 349000 | 355000 |
| Frequency (MHz) |                 |   |   | 1715   | 1745   | 1775   |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 22.78  | 22.65  | 22.57  |
| Channel         |                 |   |   | 342500 | 349000 | 355500 |
| Frequency (MHz) |                 |   |   | 1712.5 | 1745   | 1777.5 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 22.83  | 22.69  | 22.73  |

| n71             |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | 134600      | 136100         | 137600       |
| Frequency (MHz) |                      |         |          | 673         | 680.5          | 688          |
| 20              | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 23.31       | 23.34          | 23.41        |
| 20              |                      | 1       | 53       | 23.31       | 23.53          | 23.52        |
| 20              |                      | 1       | 104      | 23.42       | 23.43          | 23.27        |
| 20              |                      | 50      | 1        | 23.34       | 23.38          | 23.52        |
| 20              |                      | 50      | 25       | 23.35       | 23.44          | 23.44        |
| 20              |                      | 50      | 50       | 23.42       | 23.45          | 23.37        |
| 20              |                      | 100     | 0        | 23.30       | 23.37          | 23.38        |
| 20              | DFT-s-OFDM QPSK      | 1       | 1        | 23.71       | 23.76          | 23.74        |
| 20              |                      | 1       | 53       | 23.31       | 23.46          | 23.43        |
| 20              |                      | 1       | 104      | 23.42       | 23.45          | 23.20        |
| 20              |                      | 50      | 1        | 23.39       | 23.34          | 23.49        |
| 20              |                      | 50      | 25       | 23.36       | 23.43          | 23.47        |
| 20              |                      | 50      | 50       | 23.43       | 23.44          | 23.36        |
| 20              |                      | 100     | 0        | 23.34       | 23.41          | 23.42        |
| 20              | DFT-s-OFDM 16QAM     | 1       | 1        | 23.29       | 23.32          | 23.42        |
| 20              | DFT-s-OFDM 64QAM     | 1       | 1        | 21.83       | 21.80          | 21.86        |
| 20              | DFT-s-OFDM 256QAM    | 1       | 1        | 19.30       | 19.36          | 19.34        |
| 20              | CP-OFDM QPSK         | 1       | 1        | 22.74       | 22.73          | 22.82        |
| 20              | CP-OFDM 16QAM        | 1       | 1        | 22.21       | 22.24          | 22.34        |
| 20              | CP-OFDM 64QAM        | 1       | 1        | 20.54       | 20.57          | 20.57        |
| 20              | CP-OFDM 256QAM       | 1       | 1        | 17.36       | 17.44          | 17.41        |
| Channel         |                      |         |          | 134100      | 136100         | 138100       |
| Frequency (MHz) |                      |         |          | 670.5       | 680.5          | 690.5        |
| 15              | DFT-s-OFDM QPSK      | 1       | 1        | 23.31       | 23.31          | 23.44        |
| Channel         |                      |         |          | 133600      | 136100         | 138600       |
| Frequency (MHz) |                      |         |          | 668         | 680.5          | 693          |
| 10              | DFT-s-OFDM QPSK      | 1       | 1        | 23.28       | 23.35          | 23.40        |
| Channel         |                      |         |          | 133100      | 136100         | 139100       |
| Frequency (MHz) |                      |         |          | 665.5       | 680.5          | 695.5        |
| 5               | DFT-s-OFDM QPSK      | 1       | 1        | 23.29       | 23.28          | 23.28        |



| n77(3450-3550MHz) |                      |         |          |             |                |              |
|-------------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]          | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel           |                      |         |          | /           | 633334         | /            |
| Frequency (MHz)   |                      |         |          | /           | 3500.01        | /            |
| 100               | DFT-s-OFDM PI/2 BPSK | 1       | 1        | /           | 26.82          | /            |
| 100               |                      | 1       | 136      | /           | 26.17          | /            |
| 100               |                      | 1       | 271      | /           | 25.95          | /            |
| 100               |                      | 135     | 1        | /           | 26.22          | /            |
| 100               |                      | 135     | 67       | /           | 26.51          | /            |
| 100               |                      | 135     | 136      | /           | 25.49          | /            |
| 100               |                      | 270     | 0        | /           | 25.95          | /            |
| 100               | DFT-s-OFDM QPSK      | 1       | 1        | /           | 26.93          | /            |
| 100               |                      | 1       | 136      | /           | 26.45          | /            |
| 100               |                      | 1       | 271      | /           | 25.89          | /            |
| 100               |                      | 135     | 1        | /           | 26.51          | /            |
| 100               |                      | 135     | 67       | /           | 26.49          | /            |
| 100               |                      | 135     | 136      | /           | 25.96          | /            |
| 100               |                      | 270     | 0        | /           | 26.42          | /            |
| 100               | DFT-s-OFDM 16QAM     | 1       | 1        | /           | 25.83          | /            |
| 100               | DFT-s-OFDM 64QAM     | 1       | 1        | /           | 24.47          | /            |
| 100               | DFT-s-OFDM 256QAM    | 1       | 1        | /           | 22.28          | /            |
| 100               | CP-OFDM QPSK         | 1       | 1        | /           | 25.42          | /            |
| 100               | CP-OFDM 16QAM        | 1       | 1        | /           | 24.91          | /            |
| 100               | CP-OFDM 64QAM        | 1       | 1        | /           | 23.03          | /            |
| 100               | CP-OFDM 256QAM       | 1       | 1        | /           | 20.29          | /            |
| Channel           |                      |         |          | 632668      | 633334         | 634000       |
| Frequency (MHz)   |                      |         |          | 3490.02     | 3500.01        | 3510         |
| 80                | DFT-s-OFDM QPSK      | 1       | 1        | 26.83       | 26.82          | 26.59        |
| Channel           |                      |         |          | 632000      | 633334         | 634666       |
| Frequency (MHz)   |                      |         |          | 3480        | 3500.01        | 3519.99      |
| 60                | DFT-s-OFDM QPSK      | 1       | 1        | 26.03       | 26.62          | 26.54        |
| Channel           |                      |         |          | 631334      | 633334         | 635332       |
| Frequency (MHz)   |                      |         |          | 3470.01     | 3500.01        | 3529.98      |
| 40                | DFT-s-OFDM QPSK      | 1       | 1        | 26.89       | 26.86          | 26.69        |
| Channel           |                      |         |          | 631000      | 633334         | 635666       |
| Frequency (MHz)   |                      |         |          | 3465        | 3500.01        | 3534.99      |
| 30                | DFT-s-OFDM QPSK      | 1       | 1        | 26.84       | 26.80          | 26.45        |
| Channel           |                      |         |          | 630668      | 633334         | 636000       |
| Frequency (MHz)   |                      |         |          | 3460.02     | 3500.01        | 3540         |
| 20                | DFT-s-OFDM QPSK      | 1       | 1        | 26.81       | 26.75          | 26.19        |



| n77(3700-3980MHz) |                      |         |          |             |                |              |
|-------------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]          | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel           |                      |         |          | 650000      | 656000         | 662000       |
| Frequency (MHz)   |                      |         |          | 3750        | 3840           | 3930         |
| 100               | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 26.08       | 27.80          | 26.75        |
| 100               |                      | 1       | 136      | 27.77       | 27.68          | 27.65        |
| 100               |                      | 1       | 271      | 27.57       | 26.68          | 26.45        |
| 100               |                      | 135     | 1        | 27.02       | 27.30          | 26.76        |
| 100               |                      | 135     | 67       | 27.87       | 27.70          | 25.71        |
| 100               |                      | 135     | 136      | 27.02       | 26.38          | 25.09        |
| 100               |                      | 270     | 0        | 27.01       | 27.17          | 26.68        |
| 100               | DFT-s-OFDM QPSK      | 1       | 1        | 28.52       | 28.67          | 28.62        |
| 100               |                      | 1       | 136      | 28.13       | 27.71          | 25.52        |
| 100               |                      | 1       | 271      | 27.58       | 26.70          | 25.41        |
| 100               |                      | 135     | 1        | 27.54       | 27.87          | 27.79        |
| 100               |                      | 135     | 67       | 27.25       | 27.66          | 25.69        |
| 100               |                      | 135     | 136      | 26.54       | 25.88          | 25.22        |
| 100               |                      | 270     | 0        | 27.44       | 26.69          | 25.34        |
| 100               | DFT-s-OFDM 16QAM     | 1       | 1        | 26.93       | 26.43          | 25.66        |
| 100               | DFT-s-OFDM 64QAM     | 1       | 1        | 26.80       | 25.34          | 24.35        |
| 100               | DFT-s-OFDM 256QAM    | 1       | 1        | 21.37       | 23.15          | 22.05        |
| 100               | CP-OFDM QPSK         | 1       | 1        | 24.57       | 26.32          | 25.25        |
| 100               | CP-OFDM 16QAM        | 1       | 1        | 24.07       | 25.89          | 24.77        |
| 100               | CP-OFDM 64QAM        | 1       | 1        | 22.17       | 23.89          | 22.85        |
| 100               | CP-OFDM 256QAM       | 1       | 1        | 20.39       | 21.06          | 20.08        |
| Channel           |                      |         |          | 649334      | 656000         | 662666       |
| Frequency (MHz)   |                      |         |          | 3740.01     | 3840           | 3939.99      |
| 80                | DFT-s-OFDM QPSK      | 1       | 1        | 26.05       | 27.91          | 26.22        |
| Channel           |                      |         |          | 648668      | 656000         | 663332       |
| Frequency (MHz)   |                      |         |          | 3730.02     | 3840           | 3949.98      |
| 60                | DFT-s-OFDM QPSK      | 1       | 1        | 26.09       | 27.86          | 25.57        |
| Channel           |                      |         |          | 648000      | 656000         | 664000       |
| Frequency (MHz)   |                      |         |          | 3720        | 3840           | 3960         |
| 40                | DFT-s-OFDM QPSK      | 1       | 1        | 26.50       | 28.07          | 24.94        |
| Channel           |                      |         |          | 647668      | 656000         | 664332       |
| Frequency (MHz)   |                      |         |          | 3715.02     | 3840           | 3964.98      |
| 30                | DFT-s-OFDM QPSK      | 1       | 1        | 26.42       | 27.95          | 24.98        |
| Channel           |                      |         |          | 647334      | 656000         | 664666       |
| Frequency (MHz)   |                      |         |          | 3710.01     | 3840           | 3969.99      |
| 20                | DFT-s-OFDM QPSK      | 1       | 1        | 26.34       | 27.99          | 25.36        |



| n78(3450-3550MHz) |                      |         |          |             |                |              |
|-------------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]          | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel           |                      |         |          | /           | 633334         | /            |
| Frequency (MHz)   |                      |         |          | /           | 3500.01        | /            |
| 100               | DFT-s-OFDM PI/2 BPSK | 1       | 1        | /           | 27.99          | /            |
| 100               |                      | 1       | 136      | /           | 26.84          | /            |
| 100               |                      | 1       | 271      | /           | 26.15          | /            |
| 100               |                      | 135     | 1        | /           | 26.85          | /            |
| 100               |                      | 135     | 67       | /           | 27.05          | /            |
| 100               |                      | 135     | 136      | /           | 25.74          | /            |
| 100               |                      | 270     | 0        | /           | 26.45          | /            |
| 100               | DFT-s-OFDM QPSK      | 1       | 1        | /           | 28.02          | /            |
| 100               |                      | 1       | 136      | /           | 26.89          | /            |
| 100               |                      | 1       | 271      | /           | 26.12          | /            |
| 100               |                      | 135     | 1        | /           | 27.03          | /            |
| 100               |                      | 135     | 67       | /           | 26.88          | /            |
| 100               |                      | 135     | 136      | /           | 26.28          | /            |
| 100               |                      | 270     | 0        | /           | 26.93          | /            |
| 100               | DFT-s-OFDM 16QAM     | 1       | 1        | /           | 26.82          | /            |
| 100               | DFT-s-OFDM 64QAM     | 1       | 1        | /           | 25.50          | /            |
| 100               | DFT-s-OFDM 256QAM    | 1       | 1        | /           | 23.37          | /            |
| 100               | CP-OFDM QPSK         | 1       | 1        | /           | 26.29          | /            |
| 100               | CP-OFDM 16QAM        | 1       | 1        | /           | 25.83          | /            |
| 100               | CP-OFDM 64QAM        | 1       | 1        | /           | 24.19          | /            |
| 100               | CP-OFDM 256QAM       | 1       | 1        | /           | 21.30          | /            |
| Channel           |                      |         |          | 633000      | 633334         | 633666       |
| Frequency (MHz)   |                      |         |          | 3495        | 3500.01        | 3504.99      |
| 90                | DFT-s-OFDM QPSK      | 1       | 1        | 27.98       | 27.81          | 27.66        |
| Channel           |                      |         |          | 632668      | 633334         | 634000       |
| Frequency (MHz)   |                      |         |          | 3490.02     | 3500.01        | 3510         |
| 80                | DFT-s-OFDM QPSK      | 1       | 1        | 27.98       | 27.75          | 27.38        |
| Channel           |                      |         |          | 632334      | 633334         | 634332       |
| Frequency (MHz)   |                      |         |          | 3485.01     | 3500.01        | 3514.98      |
| 70                | DFT-s-OFDM QPSK      | 1       | 1        | 27.99       | 27.63          | 27.15        |
| Channel           |                      |         |          | 632000      | 633334         | 634666       |
| Frequency (MHz)   |                      |         |          | 3480        | 3500.01        | 3519.99      |
| 60                | DFT-s-OFDM QPSK      | 1       | 1        | 27.94       | 27.48          | 27.12        |
| Channel           |                      |         |          | 631668      | 633334         | 635000       |
| Frequency (MHz)   |                      |         |          | 3475.02     | 3500.01        | 3525         |



|                 |                 |   |   |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 27.93   | 27.26   | 26.99   |
| Channel         |                 |   |   | 631334  | 633334  | 635332  |
| Frequency (MHz) |                 |   |   | 3470.01 | 3500.01 | 3529.98 |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 27.99   | 27.43   | 27.04   |
| Channel         |                 |   |   | 631000  | 633334  | 635666  |
| Frequency (MHz) |                 |   |   | 3465    | 3500.01 | 3534.99 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 27.96   | 27.32   | 26.63   |
| Channel         |                 |   |   | 630668  | 633334  | 636000  |
| Frequency (MHz) |                 |   |   | 3460.02 | 3500.01 | 3540    |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 27.90   | 27.30   | 26.40   |

| n78(3700-3800MHz) |                      |         |          |             |                |              |
|-------------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]          | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel           |                      |         |          | /           | 650000         | /            |
| Frequency (MHz)   |                      |         |          | /           | 3750           | /            |
| 100               | DFT-s-OFDM PI/2 BPSK | 1       | 1        | /           | 26.51          | /            |
| 100               |                      | 1       | 136      | /           | 27.71          | /            |
| 100               |                      | 1       | 271      | /           | 27.60          | /            |
| 100               |                      | 135     | 1        | /           | 27.10          | /            |
| 100               |                      | 135     | 67       | /           | 27.68          | /            |
| 100               |                      | 135     | 136      | /           | 26.88          | /            |
| 100               |                      | 270     | 0        | /           | 27.00          | /            |
| 100               | DFT-s-OFDM QPSK      | 1       | 1        | /           | 27.73          | /            |
| 100               |                      | 1       | 136      | /           | 26.89          | /            |
| 100               |                      | 1       | 271      | /           | 27.09          | /            |
| 100               |                      | 135     | 1        | /           | 27.61          | /            |
| 100               |                      | 135     | 67       | /           | 27.49          | /            |
| 100               |                      | 135     | 136      | /           | 27.37          | /            |
| 100               |                      | 270     | 0        | /           | 27.41          | /            |
| 100               | DFT-s-OFDM 16QAM     | 1       | 1        | /           | 25.38          | /            |
| 100               | DFT-s-OFDM 64QAM     | 1       | 1        | /           | 24.07          | /            |
| 100               | DFT-s-OFDM 256QAM    | 1       | 1        | /           | 21.78          | /            |
| 100               | CP-OFDM QPSK         | 1       | 1        | /           | 24.98          | /            |
| 100               | CP-OFDM 16QAM        | 1       | 1        | /           | 24.62          | /            |
| 100               | CP-OFDM 64QAM        | 1       | 1        | /           | 22.69          | /            |
| 100               | CP-OFDM 256QAM       | 1       | 1        | /           | 19.81          | /            |
| Channel           |                      |         |          | 649668      | 650000         | 650332       |
| Frequency (MHz)   |                      |         |          | 3745.02     | 3750           | 3754.98      |
| 90                | DFT-s-OFDM QPSK      | 1       | 1        | 26.47       | 26.65          | 26.92        |
| Channel           |                      |         |          | 649334      | 650000         | 650666       |



|                 |                 |   |   |         |        |         |
|-----------------|-----------------|---|---|---------|--------|---------|
| Frequency (MHz) |                 |   |   | 3740.01 | 3750   | 3759.99 |
| 80              | DFT-s-OFDM QPSK | 1 | 1 | 26.52   | 26.95  | 27.43   |
| Channel         |                 |   |   | 649000  | 650000 | 651000  |
| Frequency (MHz) |                 |   |   | 3735    | 3750   | 3765    |
| 70              | DFT-s-OFDM QPSK | 1 | 1 | 26.53   | 27.18  | 27.68   |
| Channel         |                 |   |   | 648668  | 650000 | 651332  |
| Frequency (MHz) |                 |   |   | 3730.02 | 3750   | 3769.98 |
| 60              | DFT-s-OFDM QPSK | 1 | 1 | 26.42   | 27.43  | 27.58   |
| Channel         |                 |   |   | 648334  | 650000 | 651666  |
| Frequency (MHz) |                 |   |   | 3725.01 | 3750   | 3774.99 |
| 50              | DFT-s-OFDM QPSK | 1 | 1 | 26.59   | 27.67  | 27.68   |
| Channel         |                 |   |   | 648000  | 650000 | 652000  |
| Frequency (MHz) |                 |   |   | 3720    | 3750   | 3780    |
| 40              | DFT-s-OFDM QPSK | 1 | 1 | 26.80   | 27.63  | 27.89   |
| Channel         |                 |   |   | 647668  | 650000 | 652332  |
| Frequency (MHz) |                 |   |   | 3715.02 | 3750   | 3784.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 26.68   | 27.67  | 27.51   |
| Channel         |                 |   |   | 647334  | 650000 | 652666  |
| Frequency (MHz) |                 |   |   | 3710.01 | 3750   | 3789.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 26.66   | 27.66  | 27.54   |



| DC_5A_n2        |                         |            |             |                |                   |                 |
|-----------------|-------------------------|------------|-------------|----------------|-------------------|-----------------|
| BW<br>[MHz]     | Modulation              | RB<br>Size | RB<br>start | Low<br>Channel | Middle<br>Channel | High<br>Channel |
| Channel         |                         |            |             | 372000         | 376000            | 380000          |
| Frequency (MHz) |                         |            |             | 1860           | 1880              | 1900            |
| 20              | DFT-s-OFDM PI/2<br>BPSK | 1          | 1           | 23.14          | 22.82             | 22.50           |
| 20              |                         | 1          | 53          | 23.06          | 22.55             | 22.38           |
| 20              |                         | 1          | 104         | 21.83          | 21.61             | 21.70           |
| 20              |                         | 50         | 1           | 22.89          | 22.54             | 22.32           |
| 20              |                         | 50         | 25          | 23.08          | 22.64             | 22.45           |
| 20              |                         | 50         | 50          | 22.63          | 22.65             | 22.09           |
| 20              |                         | 100        | 0           | 22.82          | 22.50             | 22.44           |
| 20              | DFT-s-OFDM QPSK         | 1          | 1           | 23.09          | 22.70             | 22.45           |
| 20              |                         | 1          | 53          | 22.98          | 22.59             | 22.40           |
| 20              |                         | 1          | 104         | 22.82          | 22.46             | 22.54           |
| 20              |                         | 50         | 1           | 22.15          | 21.90             | 21.60           |
| 20              |                         | 50         | 25          | 23.09          | 22.68             | 22.49           |
| 20              |                         | 50         | 50          | 22.29          | 21.62             | 21.63           |
| 20              |                         | 100        | 0           | 22.19          | 21.75             | 21.64           |
| 20              | DFT-s-OFDM<br>16QAM     | 1          | 1           | 22.22          | 22.30             | 21.81           |
| 20              | DFT-s-OFDM<br>64QAM     | 1          | 1           | 20.89          | 20.62             | 20.27           |
| 20              | DFT-s-OFDM<br>256QAM    | 1          | 1           | 18.86          | 18.46             | 18.22           |
| 20              | CP-OFDM QPSK            | 1          | 1           | 21.66          | 21.37             | 21.10           |
| 20              | CP-OFDM 16QAM           | 1          | 1           | 21.37          | 20.81             | 20.56           |
| 20              | CP-OFDM 64QAM           | 1          | 1           | 19.70          | 19.67             | 19.14           |
| 20              | CP-OFDM 256QAM          | 1          | 1           | 16.83          | 16.56             | 16.19           |
| Channel         |                         |            |             | 371500         | 376000            | 380500          |
| Frequency (MHz) |                         |            |             | 1857.5         | 1880              | 1902.5          |
| 15              | DFT-s-OFDM QPSK         | 1          | 1           | 23.07          | 22.67             | 22.45           |
| Channel         |                         |            |             | 371000         | 376000            | 381000          |
| Frequency (MHz) |                         |            |             | 1855           | 1880              | 1905            |
| 10              | DFT-s-OFDM QPSK         | 1          | 1           | 23.07          | 22.70             | 22.52           |
| Channel         |                         |            |             | 370500         | 376000            | 381500          |
| Frequency (MHz) |                         |            |             | 1852.5         | 1880              | 1907.5          |
| 5               | DFT-s-OFDM QPSK         | 1          | 1           | 23.04          | 22.70             | 22.59           |



| DC_5A_n66       |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | 344000      | 349000         | 354000       |
| Frequency (MHz) |                      |         |          | 1720        | 1745           | 1770         |
| 20              | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 22.73       | 22.79          | 22.80        |
| 20              |                      | 1       | 53       | 22.83       | 22.91          | 22.73        |
| 20              |                      | 1       | 104      | 22.81       | 22.64          | 22.66        |
| 20              |                      | 50      | 1        | 22.49       | 22.51          | 22.37        |
| 20              |                      | 50      | 25       | 22.92       | 22.78          | 22.81        |
| 20              |                      | 50      | 50       | 22.51       | 22.42          | 22.43        |
| 20              |                      | 100     | 0        | 22.54       | 22.55          | 22.46        |
| 20              | DFT-s-OFDM QPSK      | 1       | 1        | 22.70       | 22.99          | 22.82        |
| 20              |                      | 1       | 53       | 22.89       | 22.84          | 22.71        |
| 20              |                      | 1       | 104      | 22.89       | 22.80          | 22.67        |
| 20              |                      | 50      | 1        | 22.15       | 21.92          | 21.84        |
| 20              |                      | 50      | 25       | 22.95       | 22.97          | 22.81        |
| 20              |                      | 50      | 50       | 22.05       | 22.09          | 21.92        |
| 20              |                      | 100     | 0        | 22.04       | 22.20          | 21.97        |
| 20              | DFT-s-OFDM 16QAM     | 1       | 1        | 22.25       | 22.23          | 22.18        |
| 20              | DFT-s-OFDM 64QAM     | 1       | 1        | 20.52       | 20.67          | 20.64        |
| 20              | DFT-s-OFDM 256QAM    | 1       | 1        | 18.87       | 18.92          | 18.96        |
| 20              | CP-OFDM QPSK         | 1       | 1        | 21.74       | 21.87          | 21.81        |
| 20              | CP-OFDM 16QAM        | 1       | 1        | 20.91       | 20.94          | 20.98        |
| 20              | CP-OFDM 64QAM        | 1       | 1        | 19.68       | 19.73          | 19.73        |
| 20              | CP-OFDM 256QAM       | 1       | 1        | 15.83       | 15.87          | 15.81        |
| Channel         |                      |         |          | 343500      | 349000         | 354500       |
| Frequency (MHz) |                      |         |          | 1717.5      | 1745           | 1772.5       |
| 15              | DFT-s-OFDM QPSK      | 1       | 1        | 22.74       | 22.83          | 22.80        |
| Channel         |                      |         |          | 343000      | 349000         | 355000       |
| Frequency (MHz) |                      |         |          | 1715        | 1745           | 1775         |
| 10              | DFT-s-OFDM QPSK      | 1       | 1        | 22.82       | 22.86          | 22.74        |
| Channel         |                      |         |          | 342500      | 349000         | 355500       |
| Frequency (MHz) |                      |         |          | 1712.5      | 1745           | 1777.5       |
| 5               | DFT-s-OFDM QPSK      | 1       | 1        | 22.72       | 22.81          | 22.63        |



| DC_5A_n66       |                      |         |          |             |                |              |
|-----------------|----------------------|---------|----------|-------------|----------------|--------------|
| BW [MHz]        | Modulation           | RB Size | RB start | Low Channel | Middle Channel | High Channel |
| Channel         |                      |         |          | 344000      | 349000         | 354000       |
| Frequency (MHz) |                      |         |          | 1720        | 1745           | 1770         |
| 20              | DFT-s-OFDM PI/2 BPSK | 1       | 1        | 22.93       | 22.90          | 22.67        |
| 20              |                      | 1       | 53       | 22.97       | 22.85          | 22.71        |
| 20              |                      | 1       | 104      | 23.06       | 22.90          | 22.65        |
| 20              |                      | 50      | 1        | 22.66       | 22.45          | 22.30        |
| 20              |                      | 50      | 25       | 23.03       | 22.86          | 22.72        |
| 20              |                      | 50      | 50       | 22.82       | 22.40          | 22.30        |
| 20              |                      | 100     | 0        | 22.62       | 22.43          | 22.30        |
| 20              | DFT-s-OFDM QPSK      | 1       | 1        | 22.98       | 22.84          | 22.63        |
| 20              |                      | 1       | 53       | 22.96       | 22.83          | 22.84        |
| 20              |                      | 1       | 104      | 22.93       | 22.76          | 22.62        |
| 20              |                      | 50      | 1        | 22.31       | 22.12          | 21.81        |
| 20              |                      | 50      | 25       | 23.03       | 22.84          | 22.88        |
| 20              |                      | 50      | 50       | 22.11       | 21.96          | 21.84        |
| 20              |                      | 100     | 0        | 22.35       | 22.15          | 21.82        |
| 20              | DFT-s-OFDM 16QAM     | 1       | 1        | 22.35       | 22.23          | 22.30        |
| 20              | DFT-s-OFDM 64QAM     | 1       | 1        | 20.65       | 20.52          | 20.80        |
| 20              | DFT-s-OFDM 256QAM    | 1       | 1        | 18.65       | 18.50          | 18.29        |
| 20              | CP-OFDM QPSK         | 1       | 1        | 21.63       | 21.49          | 21.30        |
| 20              | CP-OFDM 16QAM        | 1       | 1        | 21.16       | 21.02          | 20.79        |
| 20              | CP-OFDM 64QAM        | 1       | 1        | 19.69       | 19.83          | 18.19        |
| 20              | CP-OFDM 256QAM       | 1       | 1        | 16.65       | 16.52          | 16.39        |
| Channel         |                      |         |          | 343500      | 349000         | 354500       |
| Frequency (MHz) |                      |         |          | 1717.5      | 1745           | 1772.5       |
| 15              | DFT-s-OFDM QPSK      | 1       | 1        | 23.02       | 22.92          | 22.67        |
| Channel         |                      |         |          | 343000      | 349000         | 355000       |
| Frequency (MHz) |                      |         |          | 1715        | 1745           | 1775         |
| 10              | DFT-s-OFDM QPSK      | 1       | 1        | 23.00       | 22.87          | 22.69        |
| Channel         |                      |         |          | 342500      | 349000         | 355500       |
| Frequency (MHz) |                      |         |          | 1712.5      | 1745           | 1777.5       |
| 5               | DFT-s-OFDM QPSK      | 1       | 1        | 23.01       | 22.88          | 22.70        |



Effective Radiated Power and Effective Isotropic Radiated Power:

| n2              |                      |           |            |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |           |            | 372000           | 372000            | 376000              | 376000               | 380000            | 380000             |
| Frequency (MHz) |                      |           |            | 1860.00          | 1860.00           | 1880.00             | 1880.00              | 1900.00           | 1900.00            |
| 20              | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 25.34            | 0.342             | 25.30               | 0.339                | 25.00             | 0.316              |
| 20              |                      | 1         | 53         | 25.40            | 0.347             | 25.09               | 0.323                | 25.04             | 0.319              |
| 20              |                      | 1         | 104        | 25.13            | 0.326             | 25.01               | 0.317                | 24.98             | 0.315              |
| 20              |                      | 50        | 1          | 25.55            | 0.359             | 25.27               | 0.337                | 25.11             | 0.324              |
| 20              |                      | 50        | 25         | 25.49            | 0.354             | 25.27               | 0.337                | 25.10             | 0.324              |
| 20              |                      | 50        | 50         | 25.45            | 0.351             | 25.24               | 0.334                | 25.14             | 0.327              |
| 20              |                      | 100       | 0          | 25.45            | 0.351             | 25.27               | 0.337                | 25.08             | 0.322              |
| 20              | DFT-s-OFDM QPSK      | 1         | 1          | 25.54            | 0.358             | 25.60               | 0.363                | 25.49             | 0.354              |
| 20              |                      | 1         | 53         | 25.39            | 0.346             | 25.19               | 0.330                | 25.42             | 0.348              |
| 20              |                      | 1         | 104        | 25.23            | 0.333             | 25.14               | 0.327                | 25.10             | 0.324              |
| 20              |                      | 50        | 1          | 25.52            | 0.356             | 25.55               | 0.359                | 25.54             | 0.358              |
| 20              |                      | 50        | 25         | 25.50            | 0.355             | 25.16               | 0.328                | 25.15             | 0.327              |
| 20              |                      | 50        | 50         | 25.42            | 0.348             | 25.16               | 0.328                | 25.21             | 0.332              |
| 20              |                      | 100       | 0          | 25.48            | 0.353             | 25.26               | 0.336                | 25.10             | 0.324              |
| 20              | DFT-s-OFDM 16QAM     | 1         | 1          | 25.58            | 0.361             | 25.44               | 0.350                | 25.18             | 0.330              |
| 20              | DFT-s-OFDM 64QAM     | 1         | 1          | 24.05            | 0.254             | 23.97               | 0.249                | 23.69             | 0.234              |
| 20              | DFT-s-OFDM 256QAM    | 1         | 1          | 21.67            | 0.147             | 21.63               | 0.146                | 21.37             | 0.137              |
| 20              | CP-OFDM QPSK         | 1         | 1          | 24.95            | 0.313             | 24.86               | 0.306                | 24.62             | 0.290              |
| 20              | CP-OFDM 16QAM        | 1         | 1          | 24.45            | 0.279             | 24.42               | 0.277                | 24.15             | 0.260              |
| 20              | CP-OFDM 64QAM        | 1         | 1          | 23.11            | 0.205             | 23.03               | 0.201                | 22.72             | 0.187              |
| 20              | CP-OFDM 256QAM       | 1         | 1          | 19.78            | 0.095             | 19.70               | 0.093                | 19.37             | 0.086              |
| Channel         |                      |           |            | 371500           | 371500            | 376000              | 376000               | 380500            | 380500             |
| Frequency (MHz) |                      |           |            | 1857.50          | 1857.50           | 1880.00             | 1880.00              | 1902.50           | 1902.50            |
| 15              | DFT-s-OFDM QPSK      | 1         | 1          | 25.56            | 0.360             | 25.30               | 0.339                | 25.06             | 0.321              |
| Channel         |                      |           |            | 371000           | 371000            | 376000              | 376000               | 381000            | 381000             |
| Frequency (MHz) |                      |           |            | 1855.00          | 1855.00           | 1880.00             | 1880.00              | 1905.00           | 1905.00            |
| 10              | DFT-s-OFDM QPSK      | 1         | 1          | 25.55            | 0.359             | 25.28               | 0.337                | 25.17             | 0.329              |



| Channel         |                 |   |   | 370500  | 370500  | 376000  | 376000  | 381500  | 381500  |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| Frequency (MHz) |                 |   |   | 1852.50 | 1852.50 | 1880.00 | 1880.00 | 1907.50 | 1907.50 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 25.53   | 0.357   | 25.10   | 0.324   | 25.06   | 0.321   |

| n5 (PC3)        |                      |           |            |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |           |            | 166800           | 166800            | 167300              | 167300               | 167800            | 167800             |
| Frequency (MHz) |                      |           |            | 834.00           | 834.00            | 836.50              | 836.50               | 839.00            | 839.00             |
| 20              | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 15.39            | 0.035             | 15.45               | 0.035                | 15.45             | 0.035              |
| 20              |                      | 1         | 53         | 15.31            | 0.034             | 15.29               | 0.034                | 15.33             | 0.034              |
| 20              |                      | 1         | 104        | 15.05            | 0.032             | 14.99               | 0.032                | 15.07             | 0.032              |
| 20              |                      | 50        | 1          | 15.50            | 0.035             | 15.49               | 0.035                | 15.50             | 0.035              |
| 20              |                      | 50        | 25         | 15.40            | 0.035             | 15.44               | 0.035                | 15.37             | 0.034              |
| 20              |                      | 50        | 50         | 15.40            | 0.035             | 15.29               | 0.034                | 15.27             | 0.034              |
| 20              |                      | 100       | 0          | 15.48            | 0.035             | 15.40               | 0.035                | 15.32             | 0.034              |
| 20              | DFT-s-OFDM QPSK      | 1         | 1          | 15.55            | 0.036             | 15.60               | 0.036                | 15.59             | 0.036              |
| 20              |                      | 1         | 53         | 15.38            | 0.035             | 15.38               | 0.035                | 15.46             | 0.035              |
| 20              |                      | 1         | 104        | 15.13            | 0.033             | 15.02               | 0.032                | 15.10             | 0.032              |
| 20              |                      | 50        | 1          | 15.49            | 0.035             | 15.51               | 0.036                | 15.42             | 0.035              |
| 20              |                      | 50        | 25         | 15.43            | 0.035             | 15.43               | 0.035                | 15.34             | 0.034              |
| 20              |                      | 50        | 50         | 15.28            | 0.034             | 15.32               | 0.034                | 15.09             | 0.032              |
| 20              |                      | 100       | 0          | 15.47            | 0.035             | 15.45               | 0.035                | 15.29             | 0.034              |
| 20              | DFT-s-OFDM 16QAM     | 1         | 1          | 15.50            | 0.035             | 15.54               | 0.036                | 15.53             | 0.036              |
| 20              | DFT-s-OFDM 64QAM     | 1         | 1          | 13.92            | 0.025             | 14.11               | 0.026                | 14.14             | 0.026              |
| 20              | DFT-s-OFDM 256QAM    | 1         | 1          | 11.76            | 0.015             | 11.85               | 0.015                | 11.78             | 0.015              |
| 20              | CP-OFDM QPSK         | 1         | 1          | 14.99            | 0.032             | 15.09               | 0.032                | 14.89             | 0.031              |
| 20              | CP-OFDM 16QAM        | 1         | 1          | 14.58            | 0.029             | 14.60               | 0.029                | 14.55             | 0.029              |
| 20              | CP-OFDM 64QAM        | 1         | 1          | 13.05            | 0.020             | 13.20               | 0.021                | 13.10             | 0.020              |
| 20              | CP-OFDM 256QAM       | 1         | 1          | 9.79             | 0.010             | 9.89                | 0.010                | 9.88              | 0.010              |
| Channel         |                      |           |            | 166300           | 166300            | 167300              | 167300               | 168300            | 168300             |
| Frequency (MHz) |                      |           |            | 831.50           | 831.50            | 836.50              | 836.50               | 841.50            | 841.50             |
| 15              | DFT-s-OFDM QPSK      | 1         | 1          | 15.53            | 0.036             | 15.57               | 0.036                | 15.35             | 0.034              |



|                 |                 |   |   |        |        |        |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|--------|--------|--------|
| Channel         |                 |   |   | 165800 | 165800 | 167300 | 167300 | 168800 | 168800 |
| Frequency (MHz) |                 |   |   | 829.00 | 829.00 | 836.50 | 836.50 | 844.00 | 844.00 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 15.31  | 0.034  | 15.13  | 0.033  | 15.26  | 0.034  |
| Channel         |                 |   |   | 165300 | 165300 | 167300 | 167300 | 169300 | 169300 |
| Frequency (MHz) |                 |   |   | 826.50 | 826.50 | 836.50 | 836.50 | 846.50 | 846.50 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 15.37  | 0.034  | 15.30  | 0.034  | 15.06  | 0.032  |

| n25             |                      |           |            |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |           |            | 372000           | 372000            | 376500              | 376500               | 381000            | 381000             |
| Frequency (MHz) |                      |           |            | 1860.00          | 1860.00           | 1882.50             | 1882.50              | 1905.00           | 1905.00            |
| 20              | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 25.04            | 0.319             | 25.03               | 0.318                | 24.91             | 0.310              |
| 20              |                      | 1         | 53         | 25.13            | 0.326             | 25.03               | 0.318                | 24.89             | 0.308              |
| 20              |                      | 1         | 104        | 25.15            | 0.327             | 24.96               | 0.313                | 25.03             | 0.318              |
| 20              |                      | 50        | 1          | 25.21            | 0.332             | 25.02               | 0.318                | 24.88             | 0.308              |
| 20              |                      | 50        | 25         | 25.25            | 0.335             | 25.06               | 0.321                | 25.00             | 0.316              |
| 20              |                      | 50        | 50         | 25.14            | 0.327             | 25.00               | 0.316                | 25.08             | 0.322              |
| 20              |                      | 100       | 0          | 25.27            | 0.337             | 25.06               | 0.321                | 24.96             | 0.313              |
| 20              | DFT-s-OFDM QPSK      | 1         | 1          | 25.28            | 0.337             | 25.29               | 0.338                | 25.26             | 0.336              |
| 20              |                      | 1         | 53         | 25.21            | 0.332             | 24.89               | 0.308                | 24.92             | 0.310              |
| 20              |                      | 1         | 104        | 25.12            | 0.325             | 24.94               | 0.312                | 25.04             | 0.319              |
| 20              |                      | 50        | 1          | 25.11            | 0.324             | 25.14               | 0.327                | 25.05             | 0.320              |
| 20              |                      | 50        | 25         | 25.26            | 0.336             | 25.06               | 0.321                | 25.00             | 0.316              |
| 20              |                      | 50        | 50         | 25.17            | 0.329             | 24.93               | 0.311                | 24.89             | 0.308              |
| 20              |                      | 100       | 0          | 24.95            | 0.313             | 25.08               | 0.322                | 24.88             | 0.308              |
| 20              | DFT-s-OFDM 16QAM     | 1         | 1          | 25.14            | 0.327             | 24.98               | 0.315                | 24.88             | 0.308              |
| 20              | DFT-s-OFDM 64QAM     | 1         | 1          | 23.56            | 0.227             | 23.48               | 0.223                | 23.29             | 0.213              |
| 20              | DFT-s-OFDM 256QAM    | 1         | 1          | 21.28            | 0.134             | 21.10               | 0.129                | 20.94             | 0.124              |
| 20              | CP-OFDM QPSK         | 1         | 1          | 24.09            | 0.256             | 24.04               | 0.254                | 24.08             | 0.256              |
| 20              | CP-OFDM 16QAM        | 1         | 1          | 24.02            | 0.252             | 23.90               | 0.245                | 23.77             | 0.238              |
| 20              | CP-OFDM 64QAM        | 1         | 1          | 22.28            | 0.169             | 22.16               | 0.164                | 21.91             | 0.155              |
| 20              | CP-OFDM 256QAM       | 1         | 1          | 19.32            | 0.086             | 19.17               | 0.083                | 18.99             | 0.079              |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| Channel         |                 |   |   | 371500  | 371500  | 376500  | 376500  | 381500  | 381500  |
| Frequency (MHz) |                 |   |   | 1857.50 | 1857.50 | 1882.50 | 1882.50 | 1907.50 | 1907.50 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 25.22   | 0.333   | 25.04   | 0.319   | 24.88   | 0.308   |
| Channel         |                 |   |   | 371000  | 371000  | 376500  | 376500  | 382000  | 382000  |
| Frequency (MHz) |                 |   |   | 1855.00 | 1855.00 | 1882.50 | 1882.50 | 1910.00 | 1910.00 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 25.13   | 0.326   | 24.94   | 0.312   | 24.86   | 0.306   |
| Channel         |                 |   |   | 370500  | 370500  | 376500  | 376500  | 382500  | 382500  |
| Frequency (MHz) |                 |   |   | 1852.50 | 1852.50 | 1882.50 | 1882.50 | 1912.50 | 1912.50 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 25.14   | 0.327   | 24.99   | 0.316   | 24.95   | 0.313   |

| n26(814-824MHz) (PC3) |                      |          |            |                  |                   |                     |                      |                   |                    |
|-----------------------|----------------------|----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]             | Modulation           | R B Size | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel               |                      |          |            | /                | /                 | 163800              | 163800               |                   |                    |
| Frequency (MHz)       |                      |          |            | /                | /                 | 819.00              | 819.00               |                   |                    |
| 10                    | DFT-s-OFDM PI/2 BPSK | 1        | 1          | /                | /                 | 14.81               | 0.03                 | /                 | /                  |
| 10                    |                      | 1        | 26         | /                | /                 | 14.93               | 0.03                 | /                 | /                  |
| 10                    |                      | 1        | 50         | /                | /                 | 15.03               | 0.03                 | /                 | /                  |
| 10                    |                      | 25       | 1          | /                | /                 | 14.93               | 0.03                 | /                 | /                  |
| 10                    |                      | 25       | 12         | /                | /                 | 14.96               | 0.03                 | /                 | /                  |
| 10                    |                      | 25       | 25         | /                | /                 | 15.04               | 0.03                 | /                 | /                  |
| 10                    |                      | 50       | 0          | /                | /                 | 14.99               | 0.03                 | /                 | /                  |
| 10                    | DFT-s-OFDM QPSK      | 1        | 1          | /                | /                 | 15.53               | 0.04                 | /                 | /                  |
| 10                    |                      | 1        | 26         | /                | /                 | 14.94               | 0.03                 | /                 | /                  |
| 10                    |                      | 1        | 50         | /                | /                 | 15.02               | 0.03                 | /                 | /                  |
| 10                    |                      | 25       | 1          | /                | /                 | 15.42               | 0.03                 | /                 | /                  |
| 10                    |                      | 25       | 12         | /                | /                 | 14.97               | 0.03                 | /                 | /                  |
| 10                    |                      | 25       | 25         | /                | /                 | 15.03               | 0.03                 | /                 | /                  |
| 10                    |                      | 50       | 0          | /                | /                 | 15.37               | 0.03                 | /                 | /                  |
| 10                    | DFT-s-OFDM 16QAM     | 1        | 1          | /                | /                 | 14.77               | 0.03                 | /                 | /                  |
| 10                    | DFT-s-OFDM 64QAM     | 1        | 1          | /                | /                 | 13.31               | 0.02                 | /                 | /                  |
| 10                    | DFT-s-OFDM 256QAM    | 1        | 1          | /                | /                 | 11.08               | 0.013                | /                 | /                  |
| 10                    | CP-OFDM QPSK         | 1        | 1          | /                | /                 | 14.21               | 0.026                | /                 | /                  |
| 10                    | CP-OFDM 16QAM        | 1        | 1          | /                | /                 | 13.71               | 0.023                | /                 | /                  |
| 10                    | CP-OFDM              | 1        | 1          | /                | /                 | 12.04               | 0.016                | /                 | /                  |



|                 |                    |   |   |        |        |        |        |        |        |
|-----------------|--------------------|---|---|--------|--------|--------|--------|--------|--------|
|                 | 64QAM              |   |   |        |        |        |        |        |        |
| 10              | CP-OFDM<br>256QAM  | 1 | 1 | /      | /      | 9.20   | 0.008  | /      | /      |
| Channel         |                    |   |   | 163300 | 163300 | 163800 | 163800 | 164300 | 164300 |
| Frequency (MHz) |                    |   |   | 816.50 | 816.50 | 819.00 | 819.00 | 821.50 | 821.50 |
| 5               | DFT-s-OFDM<br>QPSK | 1 | 1 | 14.79  | 0.030  | 14.83  | 0.030  | 14.91  | 0.031  |

| n26(824-849MHz) (PC3) |                         |                    |                  |                        |                         |                           |                            |                         |                          |
|-----------------------|-------------------------|--------------------|------------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[M<br>Hz]       | Modulation              | R<br>B<br>Si<br>ze | RB<br>Off<br>set | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |
| Channel               |                         |                    |                  | 166800                 | 166800                  | 167300                    | 167300                     | 167800                  | 167800                   |
| Frequency (MHz)       |                         |                    |                  | 834.00                 | 834.00                  | 836.50                    | 836.50                     | 839.00                  | 839.00                   |
| 20                    | DFT-s-OFDM<br>PI/2 BPSK | 1                  | 1                | 14.99                  | 0.032                   | 15.02                     | 0.032                      | 14.99                   | 0.032                    |
| 20                    |                         | 1                  | 53               | 15.00                  | 0.032                   | 14.89                     | 0.031                      | 14.83                   | 0.030                    |
| 20                    |                         | 1                  | 104              | 14.86                  | 0.031                   | 14.80                     | 0.030                      | 15.09                   | 0.032                    |
| 20                    |                         | 50                 | 1                | 15.05                  | 0.032                   | 15.07                     | 0.032                      | 15.07                   | 0.032                    |
| 20                    |                         | 50                 | 25               | 15.09                  | 0.032                   | 15.01                     | 0.032                      | 14.95                   | 0.031                    |
| 20                    |                         | 50                 | 50               | 14.95                  | 0.031                   | 14.84                     | 0.030                      | 14.96                   | 0.031                    |
| 20                    |                         | 10<br>0            | 0                | 15.08                  | 0.032                   | 15.00                     | 0.032                      | 15.01                   | 0.032                    |
| 20                    | DFT-s-OFDM<br>QPSK      | 1                  | 1                | 15.50                  | 0.035                   | 15.55                     | 0.036                      | 15.47                   | 0.035                    |
| 20                    |                         | 1                  | 53               | 15.04                  | 0.032                   | 14.88                     | 0.031                      | 14.84                   | 0.030                    |
| 20                    |                         | 1                  | 104              | 14.91                  | 0.031                   | 14.78                     | 0.030                      | 15.06                   | 0.032                    |
| 20                    |                         | 50                 | 1                | 15.10                  | 0.032                   | 15.02                     | 0.032                      | 15.10                   | 0.032                    |
| 20                    |                         | 50                 | 25               | 15.08                  | 0.032                   | 15.00                     | 0.032                      | 15.00                   | 0.032                    |
| 20                    |                         | 50                 | 50               | 14.95                  | 0.031                   | 14.90                     | 0.031                      | 14.91                   | 0.031                    |
| 20                    |                         | 10<br>0            | 0                | 15.08                  | 0.032                   | 15.00                     | 0.032                      | 15.05                   | 0.032                    |
| 20                    | DFT-s-OFDM<br>16QAM     | 1                  | 1                | 14.93                  | 0.031                   | 14.94                     | 0.031                      | 14.94                   | 0.031                    |
| 20                    | DFT-s-OFDM<br>64QAM     | 1                  | 1                | 13.45                  | 0.022                   | 13.45                     | 0.022                      | 13.43                   | 0.022                    |
| 20                    | DFT-s-OFDM<br>256QAM    | 1                  | 1                | 11.30                  | 0.013                   | 11.37                     | 0.014                      | 11.37                   | 0.014                    |
| 20                    | CP-OFDM<br>QPSK         | 1                  | 1                | 14.44                  | 0.028                   | 14.46                     | 0.028                      | 14.45                   | 0.028                    |
| 20                    | CP-OFDM<br>16QAM        | 1                  | 1                | 13.92                  | 0.025                   | 13.92                     | 0.025                      | 13.92                   | 0.025                    |
| 20                    | CP-OFDM<br>64QAM        | 1                  | 1                | 12.21                  | 0.017                   | 12.25                     | 0.017                      | 12.23                   | 0.017                    |
| 20                    | CP-OFDM<br>256QAM       | 1                  | 1                | 9.51                   | 0.009                   | 9.51                      | 0.009                      | 9.42                    | 0.009                    |
| Channel               |                         |                    |                  | 166300                 | 166300                  | 167300                    | 167300                     | 168300                  | 168300                   |



|                 |                 |   |   |        |        |        |        |        |        |
|-----------------|-----------------|---|---|--------|--------|--------|--------|--------|--------|
| Frequency (MHz) |                 |   |   | 831.50 | 831.50 | 836.50 | 836.50 | 841.50 | 841.50 |
| 15              | DFT-s-OFDM QPSK | 1 | 1 | 15.02  | 0.032  | 14.95  | 0.031  | 14.95  | 0.031  |
| Channel         |                 |   |   | 165800 | 165800 | 167300 | 167300 | 168800 | 168800 |
| Frequency (MHz) |                 |   |   | 829.00 | 829.00 | 836.50 | 836.50 | 844.00 | 844.00 |
| 10              | DFT-s-OFDM QPSK | 1 | 1 | 15.07  | 0.032  | 14.89  | 0.031  | 14.88  | 0.031  |
| Channel         |                 |   |   | 165300 | 165300 | 167300 | 167300 | 169300 | 169300 |
| Frequency (MHz) |                 |   |   | 826.50 | 826.50 | 836.50 | 836.50 | 846.50 | 846.50 |
| 5               | DFT-s-OFDM QPSK | 1 | 1 | 15.05  | 0.032  | 14.90  | 0.031  | 14.77  | 0.030  |

| n41(PC2)        |                      |           |            |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|-----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Si ze | RB Off set | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel         |                      |           |            | 509202           | 509202            | 518598              | 518598               | 528000            | 528000             |
| Frequency (MHz) |                      |           |            | 2546.01          | 2546.01           | 2592.99             | 2592.99              | 2640.00           | 2640.00            |
| 100             | DFT-s-OFDM PI/2 BPSK | 1         | 1          | 27.27            | 0.533             | 27.37               | 0.546                | 27.35             | 0.543              |
| 100             |                      | 1         | 136        | 27.37            | 0.546             | 27.43               | 0.553                | 27.17             | 0.521              |
| 100             |                      | 1         | 271        | 27.47            | 0.558             | 27.28               | 0.535                | 26.61             | 0.458              |
| 100             |                      | 135       | 1          | 26.91            | 0.491             | 26.88               | 0.488                | 26.82             | 0.481              |
| 100             |                      | 135       | 67         | 27.47            | 0.558             | 27.44               | 0.555                | 27.25             | 0.531              |
| 100             |                      | 135       | 136        | 26.91            | 0.491             | 26.80               | 0.479                | 26.34             | 0.431              |
| 100             |                      | 270       | 0          | 26.87            | 0.486             | 26.97               | 0.498                | 26.75             | 0.473              |
| 100             | DFT-s-OFDM QPSK      | 1         | 1          | 27.69            | 0.587             | 27.80               | 0.603                | 27.78             | 0.600              |
| 100             |                      | 1         | 136        | 27.38            | 0.547             | 27.34               | 0.542                | 27.19             | 0.524              |
| 100             |                      | 1         | 271        | 27.68            | 0.586             | 27.22               | 0.527                | 26.61             | 0.458              |
| 100             |                      | 135       | 1          | 26.38            | 0.435             | 26.39               | 0.436                | 26.34             | 0.431              |
| 100             |                      | 135       | 67         | 27.46            | 0.557             | 27.44               | 0.555                | 27.27             | 0.533              |
| 100             |                      | 135       | 136        | 26.40            | 0.437             | 26.35               | 0.432                | 25.84             | 0.384              |
| 100             |                      | 270       | 0          | 26.36            | 0.433             | 26.44               | 0.441                | 26.28             | 0.425              |



|                 |                      |   |   |         |         |         |         |         |         |
|-----------------|----------------------|---|---|---------|---------|---------|---------|---------|---------|
| 100             | DFT-s-OFDM<br>16QAM  | 1 | 1 | 26.22   | 0.419   | 26.34   | 0.431   | 26.22   | 0.419   |
| 100             | DFT-s-OFDM<br>64QAM  | 1 | 1 | 24.80   | 0.302   | 24.92   | 0.310   | 24.85   | 0.305   |
| 100             | DFT-s-OFDM<br>256QAM | 1 | 1 | 22.61   | 0.182   | 22.65   | 0.184   | 22.61   | 0.182   |
| 100             | CP-OFDM<br>QPSK      | 1 | 1 | 25.81   | 0.381   | 25.89   | 0.388   | 25.85   | 0.385   |
| 100             | CP-OFDM<br>16QAM     | 1 | 1 | 25.32   | 0.340   | 25.43   | 0.349   | 25.35   | 0.343   |
| 100             | CP-OFDM<br>64QAM     | 1 | 1 | 23.40   | 0.219   | 23.45   | 0.221   | 23.47   | 0.222   |
| 100             | CP-OFDM<br>256QAM    | 1 | 1 | 20.70   | 0.117   | 20.64   | 0.116   | 20.68   | 0.117   |
| Channel         |                      |   |   | 508200  | 508200  | 518598  | 518598  | 528996  | 528996  |
| Frequency (MHz) |                      |   |   | 2541.00 | 2541.00 | 2592.99 | 2592.99 | 2644.98 | 2644.98 |
| 90              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.31   | 0.538   | 27.31   | 0.538   | 27.33   | 0.541   |
| Channel         |                      |   |   | 507204  | 507204  | 518598  | 518598  | 529998  | 529998  |
| Frequency (MHz) |                      |   |   | 2536.02 | 2536.02 | 2592.99 | 2592.99 | 2649.99 | 2649.99 |
| 80              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.35   | 0.543   | 27.41   | 0.551   | 27.35   | 0.543   |
| Channel         |                      |   |   | 506202  | 506202  | 518598  | 518598  | 531000  | 531000  |
| Frequency (MHz) |                      |   |   | 2531.01 | 2531.01 | 2592.99 | 2592.99 | 2655.00 | 2655.00 |
| 70              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.37   | 0.546   | 27.47   | 0.558   | 27.41   | 0.551   |
| Channel         |                      |   |   | 505200  | 505200  | 518598  | 518598  | 531996  | 531996  |
| Frequency (MHz) |                      |   |   | 2526.00 | 2526.00 | 2592.99 | 2592.99 | 2659.98 | 2659.98 |
| 60              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.42   | 0.552   | 27.44   | 0.555   | 27.37   | 0.546   |
| Channel         |                      |   |   | 504204  | 504204  | 518598  | 518598  | 532998  | 532998  |
| Frequency (MHz) |                      |   |   | 2521.02 | 2521.02 | 2592.99 | 2592.99 | 2664.99 | 2664.99 |
| 50              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.49   | 0.561   | 27.56   | 0.570   | 27.38   | 0.547   |
| Channel         |                      |   |   | 503202  | 503202  | 518598  | 518598  | 534000  | 534000  |
| Frequency (MHz) |                      |   |   | 2516.01 | 2516.01 | 2592.99 | 2592.99 | 2670.00 | 2670.00 |
| 40              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.62   | 0.578   | 27.48   | 0.560   | 27.33   | 0.541   |
| Channel         |                      |   |   | 502200  | 502200  | 518598  | 518598  | 534996  | 534996  |
| Frequency (MHz) |                      |   |   | 2511.00 | 2511.00 | 2592.99 | 2592.99 | 2674.98 | 2674.98 |
| 30              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.56   | 0.570   | 27.61   | 0.577   | 27.09   | 0.512   |
| Channel         |                      |   |   | 501204  | 501204  | 518598  | 518598  | 535998  | 535998  |
| Frequency (MHz) |                      |   |   | 2506.02 | 2506.02 | 2592.99 | 2592.99 | 2679.99 | 2679.99 |
| 20              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.54   | 0.568   | 27.67   | 0.585   | 27.03   | 0.505   |



| n48             |                            |            |              |                        |                         |                           |                            |                         |                          |
|-----------------|----------------------------|------------|--------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[MHz]     | Modulation                 | RB<br>Size | RB<br>Offset | Low<br>Channel/<br>dBm | Low<br>Channel/<br>Watt | Middle<br>Channel/<br>dBm | Middle<br>Channel/<br>Watt | High<br>Channel/<br>dBm | High<br>Channel/<br>Watt |
| Channel         |                            |            |              | 638000                 | 638000                  | 641666                    | 641666                     | 645332                  | 645332                   |
| Frequency (MHz) |                            |            |              | 3570.00                | 3570.00                 | 3624.99                   | 3624.99                    | 3679.98                 | 3679.98                  |
| 40              | DFT-s-OFDM<br>PI/2<br>BPSK | 1          | 1            | 24.66                  | 0.292                   | 23.55                     | 0.226                      | 25.22                   | 0.333                    |
| 40              |                            | 1          | 53           | 25.43                  | 0.349                   | 22.56                     | 0.180                      | 25.94                   | 0.393                    |
| 40              |                            | 1          | 104          | 24.32                  | 0.270                   | 24.15                     | 0.260                      | 25.99                   | 0.397                    |
| 40              |                            | 50         | 1            | 24.15                  | 0.260                   | 22.55                     | 0.180                      | 25.10                   | 0.324                    |
| 40              |                            | 50         | 25           | 24.57                  | 0.286                   | 22.98                     | 0.199                      | 25.92                   | 0.391                    |
| 40              |                            | 50         | 50           | 23.88                  | 0.244                   | 22.72                     | 0.187                      | 25.17                   | 0.329                    |
| 40              |                            | 100        | 0            | 23.99                  | 0.251                   | 22.57                     | 0.181                      | 25.43                   | 0.349                    |
| 40              | DFT-s-OFDM<br>QPSK         | 1          | 1            | 26.29                  | 0.426                   | 26.47                     | 0.444                      | 26.41                   | 0.438                    |
| 40              |                            | 1          | 53           | 24.57                  | 0.286                   | 22.57                     | 0.181                      | 25.96                   | 0.394                    |
| 40              |                            | 1          | 104          | 25.32                  | 0.340                   | 24.15                     | 0.260                      | 26.44                   | 0.441                    |
| 40              |                            | 50         | 1            | 25.46                  | 0.352                   | 25.57                     | 0.361                      | 25.41                   | 0.348                    |
| 40              |                            | 50         | 25           | 24.61                  | 0.289                   | 24.85                     | 0.305                      | 25.32                   | 0.340                    |
| 40              |                            | 50         | 50           | 24.30                  | 0.269                   | 25.19                     | 0.330                      | 25.24                   | 0.334                    |
| 40              |                            | 100        | 0            | 25.29                  | 0.338                   | 25.09                     | 0.323                      | 24.93                   | 0.311                    |
| 40              | DFT-s-OFDM<br>16QAM        | 1          | 1            | 23.55                  | 0.226                   | 23.40                     | 0.219                      | 24.10                   | 0.257                    |
| 40              | DFT-s-OFDM<br>64QAM        | 1          | 1            | 22.14                  | 0.164                   | 22.00                     | 0.158                      | 22.07                   | 0.161                    |
| 40              | DFT-s-OFDM<br>256QAM       | 1          | 1            | 19.99                  | 0.100                   | 18.88                     | 0.077                      | 20.50                   | 0.112                    |
| 40              | CP-OFDM<br>QPSK            | 1          | 1            | 23.18                  | 0.208                   | 22.04                     | 0.160                      | 23.71                   | 0.235                    |
| 40              | CP-OFDM<br>16QAM           | 1          | 1            | 22.63                  | 0.183                   | 21.60                     | 0.145                      | 23.28                   | 0.213                    |
| 40              | CP-OFDM<br>64QAM           | 1          | 1            | 20.76                  | 0.119                   | 19.62                     | 0.092                      | 21.31                   | 0.135                    |
| 40              | CP-OFDM<br>256QAM          | 1          | 1            | 17.99                  | 0.063                   | 16.79                     | 0.048                      | 18.49                   | 0.071                    |
| Channel         |                            |            |              | 637334                 | 637334                  | 641666                    | 641666                     | 646000                  | 646000                   |



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| Frequency (MHz) |                 |   |   | 3560.01 | 3560.01 | 3624.99 | 3624.99 | 3690.00 | 3690.00 |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 24.49   | 0.281   | 22.88   | 0.194   | 26.03   | 0.401   |

| n66             |                      |          |           |                  |                   |                     |                      |                   |                    |
|-----------------|----------------------|----------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [M Hz]       | Modulation           | R B Size | RB Offset | Low Channel/ dBm | Low Channel/ Watt | Middle Channel/ dBm | Middle Channel/ Watt | High Channel/ dBm | High Channel/ Watt |
| Channel         |                      |          |           | 344000           | 344000            | 349000              | 349000               | 354000            | 354000             |
| Frequency (MHz) |                      |          |           | 1720.00          | 1720.00           | 1745.00             | 1745.00              | 1770.00           | 1770.00            |
| 20              | DFT-s-OFDM PI/2 BPSK | 1        | 1         | 25.49            | 0.354             | 25.33               | 0.341                | 25.25             | 0.335              |
| 20              |                      | 1        | 53        | 25.41            | 0.348             | 25.28               | 0.337                | 25.19             | 0.330              |
| 20              |                      | 1        | 104       | 25.31            | 0.340             | 25.34               | 0.342                | 25.21             | 0.332              |
| 20              |                      | 50       | 1         | 25.56            | 0.360             | 25.39               | 0.346                | 25.34             | 0.342              |
| 20              |                      | 50       | 25        | 25.55            | 0.359             | 25.34               | 0.342                | 25.29             | 0.338              |
| 20              |                      | 50       | 50        | 25.47            | 0.352             | 25.35               | 0.343                | 25.28             | 0.337              |
| 20              |                      | 100      | 0         | 25.51            | 0.356             | 25.36               | 0.344                | 25.33             | 0.341              |
| 20              | DFT-s-OFDM QPSK      | 1        | 1         | 25.56            | 0.360             | 25.58               | 0.361                | 25.54             | 0.358              |
| 20              |                      | 1        | 53        | 25.49            | 0.354             | 25.27               | 0.337                | 25.17             | 0.329              |
| 20              |                      | 1        | 104       | 25.34            | 0.342             | 25.32               | 0.340                | 25.20             | 0.331              |
| 20              |                      | 50       | 1         | 25.48            | 0.353             | 25.52               | 0.356                | 25.47             | 0.352              |
| 20              |                      | 50       | 25        | 25.46            | 0.352             | 25.42               | 0.348                | 25.27             | 0.337              |
| 20              |                      | 50       | 50        | 25.44            | 0.350             | 25.36               | 0.344                | 25.24             | 0.334              |
| 20              |                      | 100      | 0         | 25.50            | 0.355             | 25.42               | 0.348                | 25.24             | 0.334              |
| 20              | DFT-s-OFDM 16QAM     | 1        | 1         | 25.49            | 0.354             | 25.44               | 0.350                | 25.34             | 0.342              |
| 20              | DFT-s-OFDM 64QAM     | 1        | 1         | 24.14            | 0.259             | 23.92               | 0.247                | 23.85             | 0.243              |
| 20              | DFT-s-OFDM 256QAM    | 1        | 1         | 21.77            | 0.150             | 21.58               | 0.144                | 21.49             | 0.141              |
| 20              | CP-OFDM QPSK         | 1        | 1         | 25.15            | 0.327             | 24.97               | 0.314                | 24.87             | 0.307              |
| 20              | CP-OFDM 16QAM        | 1        | 1         | 24.69            | 0.294             | 24.38               | 0.274                | 24.35             | 0.272              |
| 20              | CP-OFDM 64QAM        | 1        | 1         | 23.24            | 0.211             | 23.03               | 0.201                | 22.96             | 0.198              |



|                 |                    |   |   |         |         |         |         |         |         |
|-----------------|--------------------|---|---|---------|---------|---------|---------|---------|---------|
| 20              | CP-OFDM<br>256QAM  | 1 | 1 | 19.77   | 0.095   | 19.60   | 0.091   | 19.47   | 0.089   |
| Channel         |                    |   |   | 343500  | 343500  | 349000  | 349000  | 354500  | 354500  |
| Frequency (MHz) |                    |   |   | 1717.50 | 1717.50 | 1745.00 | 1745.00 | 1772.50 | 1772.50 |
| 15              | DFT-s-OFDM<br>QPSK | 1 | 1 | 25.64   | 0.366   | 25.52   | 0.356   | 25.44   | 0.350   |
| Channel         |                    |   |   | 343000  | 343000  | 349000  | 349000  | 355000  | 355000  |
| Frequency (MHz) |                    |   |   | 1715.00 | 1715.00 | 1745.00 | 1745.00 | 1775.00 | 1775.00 |
| 10              | DFT-s-OFDM<br>QPSK | 1 | 1 | 25.46   | 0.352   | 25.33   | 0.341   | 25.25   | 0.335   |
| Channel         |                    |   |   | 342500  | 342500  | 349000  | 349000  | 355500  | 355500  |
| Frequency (MHz) |                    |   |   | 1712.50 | 1712.50 | 1745.00 | 1745.00 | 1777.50 | 1777.50 |
| 5               | DFT-s-OFDM<br>QPSK | 1 | 1 | 25.51   | 0.356   | 25.37   | 0.344   | 25.41   | 0.348   |

| n71             |                         |                    |                  |                        |                         |                           |                            |                         |                          |
|-----------------|-------------------------|--------------------|------------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[M<br>Hz] | Modulation              | R<br>B<br>Si<br>ze | RB<br>Off<br>set | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel<br>/Watt | High<br>Channel<br>/dBm | High<br>Channel<br>/Watt |
| Channel         |                         |                    |                  | 134600                 | 134600                  | 136100                    | 136100                     | 137600                  | 137600                   |
| Frequency (MHz) |                         |                    |                  | 673.00                 | 673.00                  | 680.50                    | 680.50                     | 688.00                  | 688.00                   |
| 20              | DFT-s-OFDM<br>PI/2 BPSK | 1                  | 1                | 14.72                  | 0.030                   | 14.84                     | 0.030                      | 14.42                   | 0.028                    |
| 20              |                         | 1                  | 53               | 14.76                  | 0.030                   | 14.81                     | 0.030                      | 14.69                   | 0.029                    |
| 20              |                         | 1                  | 104              | 14.80                  | 0.030                   | 14.77                     | 0.030                      | 14.73                   | 0.030                    |
| 20              |                         | 50                 | 1                | 14.32                  | 0.027                   | 14.25                     | 0.027                      | 14.32                   | 0.027                    |
| 20              |                         | 50                 | 25               | 14.81                  | 0.030                   | 14.88                     | 0.031                      | 14.74                   | 0.030                    |
| 20              |                         | 50                 | 50               | 14.39                  | 0.027                   | 14.22                     | 0.026                      | 14.31                   | 0.027                    |
| 20              |                         | 100                | 0                | 14.32                  | 0.027                   | 14.33                     | 0.027                      | 14.23                   | 0.026                    |
| 20              | DFT-s-OFDM<br>QPSK      | 1                  | 1                | 14.77                  | 0.030                   | 14.89                     | 0.031                      | 14.90                   | 0.031                    |
| 20              |                         | 1                  | 53               | 14.84                  | 0.030                   | 14.80                     | 0.030                      | 14.76                   | 0.030                    |
| 20              |                         | 1                  | 104              | 14.77                  | 0.030                   | 14.70                     | 0.030                      | 14.75                   | 0.030                    |
| 20              |                         | 50                 | 1                | 13.74                  | 0.024                   | 13.83                     | 0.024                      | 13.78                   | 0.024                    |
| 20              |                         | 50                 | 25               | 14.89                  | 0.031                   | 14.85                     | 0.031                      | 14.75                   | 0.030                    |
| 20              |                         | 50                 | 50               | 13.85                  | 0.024                   | 13.81                     | 0.024                      | 13.74                   | 0.024                    |
| 20              |                         | 100                | 0                | 13.80                  | 0.024                   | 13.84                     | 0.024                      | 13.82                   | 0.024                    |
| 20              | DFT-s-OFDM<br>16QAM     | 1                  | 1                | 13.81                  | 0.024                   | 13.87                     | 0.024                      | 13.87                   | 0.024                    |
| 20              | DFT-s-OFDM<br>64QAM     | 1                  | 1                | 12.43                  | 0.017                   | 12.63                     | 0.018                      | 12.60                   | 0.018                    |



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|                 |                      |   |   |        |        |        |        |        |        |
|-----------------|----------------------|---|---|--------|--------|--------|--------|--------|--------|
| 20              | DFT-s-OFDM<br>256QAM | 1 | 1 | 9.19   | 0.008  | 9.27   | 0.008  | 9.43   | 0.009  |
| 20              | CP-OFDM<br>QPSK      | 1 | 1 | 13.27  | 0.021  | 13.35  | 0.022  | 13.37  | 0.022  |
| 20              | CP-OFDM<br>16QAM     | 1 | 1 | 12.79  | 0.019  | 12.76  | 0.019  | 12.86  | 0.019  |
| 20              | CP-OFDM<br>64QAM     | 1 | 1 | 11.30  | 0.013  | 11.43  | 0.014  | 11.43  | 0.014  |
| 20              | CP-OFDM<br>256QAM    | 1 | 1 | 7.39   | 0.005  | 7.53   | 0.006  | 7.56   | 0.006  |
| Channel         |                      |   |   | 134100 | 134100 | 136100 | 136100 | 138100 | 138100 |
| Frequency (MHz) |                      |   |   | 670.50 | 670.50 | 680.50 | 680.50 | 690.50 | 690.50 |
| 15              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 14.77  | 0.030  | 14.85  | 0.031  | 14.83  | 0.030  |
| Channel         |                      |   |   | 133600 | 133600 | 136100 | 136100 | 138600 | 138600 |
| Frequency (MHz) |                      |   |   | 668.00 | 668.00 | 680.50 | 680.50 | 693.00 | 693.00 |
| 10              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 14.75  | 0.030  | 14.72  | 0.030  | 14.75  | 0.030  |
| Channel         |                      |   |   | 133100 | 133100 | 136100 | 136100 | 139100 | 139100 |
| Frequency (MHz) |                      |   |   | 665.50 | 665.50 | 680.50 | 680.50 | 695.50 | 695.50 |
| 5               | DFT-s-OFDM<br>QPSK   | 1 | 1 | 14.78  | 0.030  | 14.57  | 0.029  | 14.74  | 0.030  |

| n77(3450-3550MHz) |                            |            |              |                        |                         |                           |                            |                         |                          |
|-------------------|----------------------------|------------|--------------|------------------------|-------------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| BW<br>[MHz]       | Modulation                 | RB<br>Size | RB<br>Offset | Low<br>Channel<br>/dBm | Low<br>Channel<br>/Watt | Middle<br>Channel<br>/dBm | Middle<br>Channel/<br>Watt | High<br>Channel/d<br>Bm | High<br>Channel/<br>Watt |
| Channel           |                            |            |              | /                      | /                       | 633334                    | 633334                     | /                       | /                        |
| Frequency (MHz)   |                            |            |              | /                      | /                       | 3500.01                   | 3500.01                    | /                       | /                        |
| 100               | DFT-s-OFDM<br>PI/2<br>BPSK | 1          | 1            | /                      | /                       | 28.19                     | 0.659                      | /                       | /                        |
| 100               |                            | 1          | 136          | /                      | /                       | 27.54                     | 0.568                      | /                       | /                        |
| 100               |                            | 1          | 271          | /                      | /                       | 27.32                     | 0.540                      | /                       | /                        |
| 100               |                            | 135        | 1            | /                      | /                       | 27.59                     | 0.574                      | /                       | /                        |
| 100               |                            | 135        | 67           | /                      | /                       | 27.88                     | 0.614                      | /                       | /                        |
| 100               |                            | 135        | 136          | /                      | /                       | 26.86                     | 0.485                      | /                       | /                        |
| 100               |                            | 270        | 0            | /                      | /                       | 27.32                     | 0.540                      | /                       | /                        |
| 100               | DFT-s-OFDM<br>QPSK         | 1          | 1            | /                      | /                       | 28.30                     | 0.676                      | /                       | /                        |
| 100               |                            | 1          | 136          | /                      | /                       | 27.82                     | 0.605                      | /                       | /                        |
| 100               |                            | 1          | 271          | /                      | /                       | 27.26                     | 0.532                      | /                       | /                        |
| 100               |                            | 135        | 1            | /                      | /                       | 27.88                     | 0.614                      | /                       | /                        |
| 100               |                            | 135        | 67           | /                      | /                       | 27.86                     | 0.611                      | /                       | /                        |



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|                 |                   |     |     |         |         |         |         |         |         |
|-----------------|-------------------|-----|-----|---------|---------|---------|---------|---------|---------|
| 100             |                   | 135 | 136 | /       | /       | 27.33   | 0.541   | /       | /       |
| 100             |                   | 270 | 0   | /       | /       | 27.79   | 0.601   | /       | /       |
| 100             | DFT-s-OFDM 16QAM  | 1   | 1   | /       | /       | 27.20   | 0.525   | /       | /       |
| 100             | DFT-s-OFDM 64QAM  | 1   | 1   | /       | /       | 25.84   | 0.384   | /       | /       |
| 100             | DFT-s-OFDM 256QAM | 1   | 1   | /       | /       | 23.65   | 0.232   | /       | /       |
| 100             | CP-OFDM QPSK      | 1   | 1   | /       | /       | 26.79   | 0.478   | /       | /       |
| 100             | CP-OFDM 16QAM     | 1   | 1   | /       | /       | 26.28   | 0.425   | /       | /       |
| 100             | CP-OFDM 64QAM     | 1   | 1   | /       | /       | 24.40   | 0.275   | /       | /       |
| 100             | CP-OFDM 256QAM    | 1   | 1   | /       | /       | 21.66   | 0.147   | /       | /       |
| Channel         |                   |     |     | 632668  | 632668  | 633334  | 633334  | 634000  | 634000  |
| Frequency (MHz) |                   |     |     | 3490.02 | 3490.02 | 3500.01 | 3500.01 | 3510.00 | 3510.00 |
| 80              | DFT-s-OFDM QPSK   | 1   | 1   | 28.20   | 0.661   | 28.19   | 0.659   | 27.96   | 0.625   |
| Channel         |                   |     |     | 632000  | 632000  | 633334  | 633334  | 634666  | 634666  |



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|                   |                      |         |           |                  |                   |                     |                      |                   |                    |
|-------------------|----------------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| Frequency (MHz)   |                      |         |           | 3480.00          | 3480.00           | 3500.01             | 3500.01              | 3519.99           | 3519.99            |
| 60                | DFT-s-OFDM QPSK      | 1       | 1         | 27.40            | 0.550             | 27.99               | 0.630                | 27.91             | 0.618              |
| Channel           |                      |         |           | 631334           | 631334            | 633334              | 633334               | 635332            | 635332             |
| Frequency (MHz)   |                      |         |           | 3470.01          | 3470.01           | 3500.01             | 3500.01              | 3529.98           | 3529.98            |
| 40                | DFT-s-OFDM QPSK      | 1       | 1         | 28.26            | 0.670             | 28.23               | 0.665                | 28.06             | 0.640              |
| Channel           |                      |         |           | 631000           | 631000            | 633334              | 633334               | 635666            | 635666             |
| Frequency (MHz)   |                      |         |           | 3465.00          | 3465.00           | 3500.01             | 3500.01              | 3534.99           | 3534.99            |
| 30                | DFT-s-OFDM QPSK      | 1       | 1         | 28.21            | 0.662             | 28.17               | 0.656                | 27.82             | 0.605              |
| Channel           |                      |         |           | 630668           | 630668            | 633334              | 633334               | 636000            | 636000             |
| Frequency (MHz)   |                      |         |           | 3460.02          | 3460.02           | 3500.01             | 3500.01              | 3540.00           | 3540.00            |
| 20                | DFT-s-OFDM QPSK      | 1       | 1         | 28.18            | 0.658             | 28.12               | 0.649                | 27.56             | 0.570              |
| n77(3700-3980MHz) |                      |         |           |                  |                   |                     |                      |                   |                    |
| BW [MHz]          | Modulation           | RB Size | RB Offset | Low Channel /dBm | Low Channel /Watt | Middle Channel /dBm | Middle Channel /Watt | High Channel /dBm | High Channel /Watt |
| Channel           |                      |         |           | 650000           | 650000            | 656000              | 656000               | 662000            | 662000             |
| Frequency (MHz)   |                      |         |           | 3750.00          | 3750.00           | 3840.00             | 3840.00              | 3930.00           | 3930.00            |
| 100               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 27.45            | 0.556             | 29.17               | 0.826                | 28.12             | 0.649              |
| 100               |                      | 1       | 136       | 29.14            | 0.820             | 29.05               | 0.804                | 29.02             | 0.798              |
| 100               |                      | 1       | 271       | 28.94            | 0.783             | 28.05               | 0.638                | 27.82             | 0.605              |
| 100               |                      | 135     | 1         | 28.39            | 0.690             | 28.67               | 0.736                | 28.13             | 0.650              |
| 100               |                      | 135     | 67        | 29.24            | 0.839             | 29.07               | 0.807                | 27.08             | 0.511              |
| 100               |                      | 135     | 136       | 28.39            | 0.690             | 27.75               | 0.596                | 26.46             | 0.443              |
| 100               |                      | 270     | 0         | 28.38            | 0.689             | 28.54               | 0.714                | 28.05             | 0.638              |



|                 |                   |     |     |         |         |         |         |         |         |
|-----------------|-------------------|-----|-----|---------|---------|---------|---------|---------|---------|
| 0               |                   |     |     |         |         |         |         |         |         |
| 10              | DFT-s-OFDM QPSK   | 1   | 1   | 29.89   | 0.975   | 30.04   | 1.009   | 29.99   | 0.998   |
| 0               |                   | 1   | 136 | 29.50   | 0.891   | 29.08   | 0.809   | 26.89   | 0.489   |
| 10              |                   | 1   | 271 | 28.95   | 0.785   | 28.07   | 0.641   | 26.78   | 0.476   |
| 0               |                   | 135 | 1   | 28.91   | 0.778   | 29.24   | 0.839   | 29.16   | 0.824   |
| 10              |                   | 135 | 67  | 28.62   | 0.728   | 29.03   | 0.800   | 27.06   | 0.508   |
| 0               |                   | 135 | 136 | 27.91   | 0.618   | 27.25   | 0.531   | 26.59   | 0.456   |
| 10              |                   | 270 | 0   | 28.81   | 0.760   | 28.06   | 0.640   | 26.71   | 0.469   |
| 0               | DFT-s-OFDM 16QAM  | 1   | 1   | 28.30   | 0.676   | 27.80   | 0.603   | 27.03   | 0.505   |
| 10              | DFT-s-OFDM 64QAM  | 1   | 1   | 28.17   | 0.656   | 26.71   | 0.469   | 25.72   | 0.373   |
| 0               | DFT-s-OFDM 256QAM | 1   | 1   | 22.74   | 0.188   | 24.52   | 0.283   | 23.42   | 0.220   |
| 10              | CP-OFDM QPSK      | 1   | 1   | 25.94   | 0.393   | 27.69   | 0.587   | 26.62   | 0.459   |
| 0               | CP-OFDM 16QAM     | 1   | 1   | 25.44   | 0.350   | 27.26   | 0.532   | 26.14   | 0.411   |
| 10              | CP-OFDM 64QAM     | 1   | 1   | 23.54   | 0.226   | 25.26   | 0.336   | 24.22   | 0.264   |
| 0               | CP-OFDM 256QAM    | 1   | 1   | 21.76   | 0.150   | 22.43   | 0.175   | 21.45   | 0.140   |
| Channel         |                   |     |     | 649334  | 649334  | 656000  | 656000  | 662666  | 662666  |
| Frequency (MHz) |                   |     |     | 3740.01 | 3740.01 | 3840.00 | 3840.00 | 3939.99 | 3939.99 |
| 80              | DFT-s-OFDM QPSK   | 1   | 1   | 27.42   | 0.552   | 29.28   | 0.847   | 27.59   | 0.574   |
| Channel         |                   |     |     | 648668  | 648668  | 656000  | 656000  | 663332  | 663332  |
| Frequency (MHz) |                   |     |     | 3730.02 | 3730.02 | 3840.00 | 3840.00 | 3949.98 | 3949.98 |
| 60              | DFT-s-OFDM QPSK   | 1   | 1   | 27.46   | 0.557   | 29.23   | 0.838   | 26.94   | 0.494   |
| Channel         |                   |     |     | 648000  | 648000  | 656000  | 656000  | 664000  | 664000  |
| Frequency (MHz) |                   |     |     | 3720.00 | 3720.00 | 3840.00 | 3840.00 | 3960.00 | 3960.00 |
| 40              | DFT-s-OFDM        | 1   | 1   | 27.87   | 0.612   | 29.44   | 0.879   | 26.31   | 0.428   |



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|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
|                 | QPSK            |   |   |         |         |         |         |         |         |
| Channel         |                 |   |   | 647668  | 647668  | 656000  | 656000  | 664332  | 664332  |
| Frequency (MHz) |                 |   |   | 3715.02 | 3715.02 | 3840.00 | 3840.00 | 3964.98 | 3964.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 27.79   | 0.601   | 29.32   | 0.855   | 26.35   | 0.432   |
| Channel         |                 |   |   | 647334  | 647334  | 656000  | 656000  | 664666  | 664666  |
| Frequency (MHz) |                 |   |   | 3710.01 | 3710.01 | 3840.00 | 3840.00 | 3969.99 | 3969.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 27.71   | 0.590   | 29.36   | 0.863   | 26.73   | 0.471   |

| n78(3450-3550MHz) |                      |         |           |                  |                   |                     |                      |                   |                    |
|-------------------|----------------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz]          | Modulation           | RB Size | RB Offset | Low Channel/ dBm | Low Channel/ Watt | Middle Channel/ dBm | Middle Channel/ Watt | High Channel/ dBm | High Channel/ Watt |
| Channel           |                      |         |           | /                | /                 | 633334              | 633334               | /                 | /                  |
| Frequency (MHz)   |                      |         |           | /                | /                 | 3500.01             | 3500.01              | /                 | /                  |
| 100               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                | /                 | 27.82               | 0.605                | /                 | /                  |
| 100               |                      | 1       | 136       | /                | /                 | 26.67               | 0.465                | /                 | /                  |
| 100               |                      | 1       | 271       | /                | /                 | 25.98               | 0.396                | /                 | /                  |
| 100               |                      | 135     | 1         | /                | /                 | 26.68               | 0.466                | /                 | /                  |
| 100               |                      | 135     | 67        | /                | /                 | 26.88               | 0.488                | /                 | /                  |
| 100               |                      | 135     | 136       | /                | /                 | 25.57               | 0.361                | /                 | /                  |
| 100               |                      | 270     | 0         | /                | /                 | 26.28               | 0.425                | /                 | /                  |
| 100               | DFT-s-OFDM QPSK      | 1       | 1         | /                | /                 | 27.85               | 0.610                | /                 | /                  |
| 100               |                      | 1       | 136       | /                | /                 | 26.72               | 0.470                | /                 | /                  |
| 100               |                      | 1       | 271       | /                | /                 | 25.95               | 0.394                | /                 | /                  |
| 100               |                      | 135     | 1         | /                | /                 | 26.86               | 0.485                | /                 | /                  |
| 100               |                      | 135     | 67        | /                | /                 | 26.71               | 0.469                | /                 | /                  |
| 100               |                      | 135     | 136       | /                | /                 | 26.11               | 0.408                | /                 | /                  |
| 100               |                      | 270     | 0         | /                | /                 | 26.76               | 0.474                | /                 | /                  |
| 100               | DFT-s-OFDM 16QAM     | 1       | 1         | /                | /                 | 26.65               | 0.462                | /                 | /                  |



|                 |                      |   |   |         |         |         |         |         |         |
|-----------------|----------------------|---|---|---------|---------|---------|---------|---------|---------|
| 100             | DFT-s-OFDM<br>64QAM  | 1 | 1 | /       | /       | 25.33   | 0.341   | /       | /       |
| 100             | DFT-s-OFDM<br>256QAM | 1 | 1 | /       | /       | 23.20   | 0.209   | /       | /       |
| 100             | CP-OFDM<br>QPSK      | 1 | 1 | /       | /       | 26.12   | 0.409   | /       | /       |
| 100             | CP-OFDM<br>16QAM     | 1 | 1 | /       | /       | 25.66   | 0.368   | /       | /       |
| 100             | CP-OFDM<br>64QAM     | 1 | 1 | /       | /       | 24.02   | 0.252   | /       | /       |
| 100             | CP-OFDM<br>256QAM    | 1 | 1 | /       | /       | 21.13   | 0.130   | /       | /       |
| Channel         |                      |   |   | 633000  | 633000  | 633334  | 633334  | 633666  | 633666  |
| Frequency (MHz) |                      |   |   | 3495.00 | 3495.00 | 3500.01 | 3500.01 | 3504.99 | 3504.99 |
| 90              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.81   | 0.604   | 27.64   | 0.581   | 27.49   | 0.561   |
| Channel         |                      |   |   | 632668  | 632668  | 633334  | 633334  | 634000  | 634000  |
| Frequency (MHz) |                      |   |   | 3490.02 | 3490.02 | 3500.01 | 3500.01 | 3510.00 | 3510.00 |
| 80              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.81   | 0.604   | 27.58   | 0.573   | 27.21   | 0.526   |
| Channel         |                      |   |   | 632334  | 632334  | 633334  | 633334  | 634332  | 634332  |
| Frequency (MHz) |                      |   |   | 3485.01 | 3485.01 | 3500.01 | 3500.01 | 3514.98 | 3514.98 |
| 70              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.82   | 0.605   | 27.46   | 0.557   | 26.98   | 0.499   |
| Channel         |                      |   |   | 632000  | 632000  | 633334  | 633334  | 634666  | 634666  |
| Frequency (MHz) |                      |   |   | 3480.00 | 3480.00 | 3500.01 | 3500.01 | 3519.99 | 3519.99 |
| 60              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.77   | 0.598   | 27.31   | 0.538   | 26.95   | 0.495   |
| Channel         |                      |   |   | 631668  | 631668  | 633334  | 633334  | 635000  | 635000  |
| Frequency (MHz) |                      |   |   | 3475.02 | 3475.02 | 3500.01 | 3500.01 | 3525.00 | 3525.00 |
| 50              | DFT-s-OFDM<br>QPSK   | 1 | 1 | 27.76   | 0.597   | 27.09   | 0.512   | 26.82   | 0.481   |
| Channel         |                      |   |   | 631334  | 631334  | 633334  | 633334  | 635332  | 635332  |
| Frequency (MHz) |                      |   |   | 3470.01 | 3470.01 | 3500.01 | 3500.01 | 3529.98 | 3529.98 |
| 40              | DFT-s-               | 1 | 1 | 27.82   | 0.605   | 27.26   | 0.532   | 26.87   | 0.486   |



|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
|                 | OFDM QPSK       |   |   |         |         |         |         |         |         |
| Channel         |                 |   |   | 631000  | 631000  | 633334  | 633334  | 635666  | 635666  |
| Frequency (MHz) |                 |   |   | 3465.00 | 3465.00 | 3500.01 | 3500.01 | 3534.99 | 3534.99 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 27.79   | 0.601   | 27.15   | 0.519   | 26.46   | 0.443   |
| Channel         |                 |   |   | 630668  | 630668  | 633334  | 633334  | 636000  | 636000  |
| Frequency (MHz) |                 |   |   | 3460.02 | 3460.02 | 3500.01 | 3500.01 | 3540.00 | 3540.00 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 27.73   | 0.593   | 27.13   | 0.516   | 26.23   | 0.420   |

| n78(3700-3800MHz) |                      |         |           |                  |                   |                     |                      |                   |                    |
|-------------------|----------------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz]          | Modulation           | RB Size | RB Offset | Low Channel/ dBm | Low Channel/ Watt | Middle Channel/ dBm | Middle Channel/ Watt | High Channel/ dBm | High Channel/ Watt |
| Channel           |                      |         |           | /                | /                 | 650000              | 650000               | /                 | /                  |
| Frequency (MHz)   |                      |         |           | /                | /                 | 3750.00             | 3750.00              | /                 | /                  |
| 100               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                | /                 | 26.34               | 0.431                | /                 | /                  |
| 100               |                      | 1       | 136       | /                | /                 | 27.54               | 0.568                | /                 | /                  |
| 100               |                      | 1       | 271       | /                | /                 | 27.43               | 0.553                | /                 | /                  |
| 100               |                      | 135     | 1         | /                | /                 | 26.93               | 0.493                | /                 | /                  |
| 100               |                      | 135     | 67        | /                | /                 | 27.51               | 0.564                | /                 | /                  |
| 100               |                      | 135     | 136       | /                | /                 | 26.71               | 0.469                | /                 | /                  |
| 100               |                      | 270     | 0         | /                | /                 | 26.83               | 0.482                | /                 | /                  |
| 100               | DFT-s-OFDM QPSK      | 1       | 1         | /                | /                 | 27.56               | 0.570                | /                 | /                  |
| 100               |                      | 1       | 136       | /                | /                 | 26.72               | 0.470                | /                 | /                  |
| 100               |                      | 1       | 271       | /                | /                 | 26.92               | 0.492                | /                 | /                  |
| 100               |                      | 135     | 1         | /                | /                 | 27.44               | 0.555                | /                 | /                  |
| 100               |                      | 135     | 67        | /                | /                 | 27.32               | 0.540                | /                 | /                  |
| 100               |                      | 135     | 136       | /                | /                 | 27.20               | 0.525                | /                 | /                  |
| 100               |                      | 270     | 0         | /                | /                 | 27.24               | 0.530                | /                 | /                  |
| 100               | DFT-s-OFDM 16QAM     | 1       | 1         | /                | /                 | 25.21               | 0.332                | /                 | /                  |
| 100               | DFT-s-               | 1       | 1         | /                | /                 | 23.90               | 0.245                | /                 | /                  |



|                 |                              |   |   |         |         |         |         |         |         |
|-----------------|------------------------------|---|---|---------|---------|---------|---------|---------|---------|
|                 | OFDM<br>64QAM                |   |   |         |         |         |         |         |         |
| 100             | DFT-s-<br>OFDM<br>256QA<br>M | 1 | 1 | /       | /       | 21.61   | 0.145   | /       | /       |
| 100             | CP-<br>OFDM<br>QPSK          | 1 | 1 | /       | /       | 24.81   | 0.303   | /       | /       |
| 100             | CP-<br>OFDM<br>16QAM         | 1 | 1 | /       | /       | 24.45   | 0.279   | /       | /       |
| 100             | CP-<br>OFDM<br>64QAM         | 1 | 1 | /       | /       | 22.52   | 0.179   | /       | /       |
| 100             | CP-<br>OFDM<br>256QA<br>M    | 1 | 1 | /       | /       | 19.64   | 0.092   | /       | /       |
| Channel         |                              |   |   | 649668  | 649668  | 650000  | 650000  | 650332  | 650332  |
| Frequency (MHz) |                              |   |   | 3745.02 | 3745.02 | 3750.00 | 3750.00 | 3754.98 | 3754.98 |
| 90              | DFT-s-<br>OFDM<br>QPSK       | 1 | 1 | 26.30   | 0.427   | 26.48   | 0.445   | 26.75   | 0.473   |
| Channel         |                              |   |   | 649334  | 649334  | 650000  | 650000  | 650666  | 650666  |
| Frequency (MHz) |                              |   |   | 3740.01 | 3740.01 | 3750.00 | 3750.00 | 3759.99 | 3759.99 |
| 80              | DFT-s-<br>OFDM<br>QPSK       | 1 | 1 | 26.35   | 0.432   | 26.78   | 0.476   | 27.26   | 0.532   |
| Channel         |                              |   |   | 649000  | 649000  | 650000  | 650000  | 651000  | 651000  |
| Frequency (MHz) |                              |   |   | 3735.00 | 3735.00 | 3750.00 | 3750.00 | 3765.00 | 3765.00 |
| 70              | DFT-s-<br>OFDM<br>QPSK       | 1 | 1 | 26.36   | 0.433   | 27.01   | 0.502   | 27.51   | 0.564   |
| Channel         |                              |   |   | 648668  | 648668  | 650000  | 650000  | 651332  | 651332  |
| Frequency (MHz) |                              |   |   | 3730.02 | 3730.02 | 3750.00 | 3750.00 | 3769.98 | 3769.98 |
| 60              | DFT-s-<br>OFDM<br>QPSK       | 1 | 1 | 26.25   | 0.422   | 27.26   | 0.532   | 27.41   | 0.551   |
| Channel         |                              |   |   | 648334  | 648334  | 650000  | 650000  | 651666  | 651666  |
| Frequency (MHz) |                              |   |   | 3725.01 | 3725.01 | 3750.00 | 3750.00 | 3774.99 | 3774.99 |
| 50              | DFT-s-<br>OFDM<br>QPSK       | 1 | 1 | 26.42   | 0.439   | 27.50   | 0.562   | 27.51   | 0.564   |
| Channel         |                              |   |   | 648000  | 648000  | 650000  | 650000  | 652000  | 652000  |
| Frequency (MHz) |                              |   |   | 3720.00 | 3720.00 | 3750.00 | 3750.00 | 3780.00 | 3780.00 |
| 40              | DFT-s-<br>OFDM               | 1 | 1 | 26.63   | 0.460   | 27.46   | 0.557   | 27.72   | 0.592   |



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|                 |                 |   |   |         |         |         |         |         |         |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
|                 | QPSK            |   |   |         |         |         |         |         |         |
| Channel         |                 |   |   | 647668  | 647668  | 650000  | 650000  | 652332  | 652332  |
| Frequency (MHz) |                 |   |   | 3715.02 | 3715.02 | 3750.00 | 3750.00 | 3784.98 | 3784.98 |
| 30              | DFT-s-OFDM QPSK | 1 | 1 | 26.51   | 0.448   | 27.50   | 0.562   | 27.34   | 0.542   |
| Channel         |                 |   |   | 647334  | 647334  | 650000  | 650000  | 652666  | 652666  |
| Frequency (MHz) |                 |   |   | 3710.01 | 3710.01 | 3750.00 | 3750.00 | 3789.99 | 3789.99 |
| 20              | DFT-s-OFDM QPSK | 1 | 1 | 26.49   | 0.446   | 27.49   | 0.561   | 27.37   | 0.546   |



| Band | SCS<br>(kHz) | BW<br>(MHz) | ARFCN  | Modulation              | RB   | OBW<br>(MHz) | 26dB BW<br>(MHz) | Verdict |
|------|--------------|-------------|--------|-------------------------|------|--------------|------------------|---------|
| n2   | 15           | 5           | 370500 | DFT-s-OFDM<br>PI/2 BPSK | 25/0 | 4.477        | 4.990            | PASS    |
| n2   | 15           | 5           | 370500 | DFT-s-OFDM<br>QPSK      | 25/0 | 4.493        | 5.142            | PASS    |
| n2   | 15           | 5           | 370500 | DFT-s-OFDM<br>16QAM     | 25/0 | 4.484        | 4.994            | PASS    |
| n2   | 15           | 5           | 370500 | DFT-s-OFDM<br>64QAM     | 25/0 | 4.478        | 5.012            | PASS    |
| n2   | 15           | 5           | 370500 | DFT-s-OFDM<br>256QAM    | 25/0 | 4.479        | 5.065            | PASS    |
| n2   | 15           | 5           | 370500 | CP-OFDM<br>QPSK         | 25/0 | 4.475        | 5.093            | PASS    |
| n2   | 15           | 5           | 376000 | DFT-s-OFDM<br>PI/2 BPSK | 25/0 | 4.481        | 4.954            | PASS    |
| n2   | 15           | 5           | 376000 | DFT-s-OFDM<br>QPSK      | 25/0 | 4.485        | 4.945            | PASS    |
| n2   | 15           | 5           | 376000 | DFT-s-OFDM<br>16QAM     | 25/0 | 4.490        | 5.035            | PASS    |
| n2   | 15           | 5           | 376000 | DFT-s-OFDM<br>64QAM     | 25/0 | 4.476        | 4.879            | PASS    |
| n2   | 15           | 5           | 376000 | DFT-s-OFDM<br>256QAM    | 25/0 | 4.484        | 5.022            | PASS    |
| n2   | 15           | 5           | 376000 | CP-OFDM<br>QPSK         | 25/0 | 4.473        | 5.084            | PASS    |
| n2   | 15           | 5           | 381500 | DFT-s-OFDM<br>PI/2 BPSK | 25/0 | 4.481        | 5.079            | PASS    |
| n2   | 15           | 5           | 381500 | DFT-s-OFDM<br>QPSK      | 25/0 | 4.484        | 5.025            | PASS    |
| n2   | 15           | 5           | 381500 | DFT-s-OFDM<br>16QAM     | 25/0 | 4.487        | 4.979            | PASS    |
| n2   | 15           | 5           | 381500 | DFT-s-OFDM<br>64QAM     | 25/0 | 4.470        | 4.964            | PASS    |



|    |    |    |        |                         |      |       |        |      |
|----|----|----|--------|-------------------------|------|-------|--------|------|
| n2 | 15 | 5  | 381500 | DFT-s-OFDM<br>256QAM    | 25/0 | 4.469 | 4.991  | PASS |
| n2 | 15 | 5  | 381500 | CP-OFDM<br>QPSK         | 25/0 | 4.474 | 5.061  | PASS |
| n2 | 15 | 10 | 371000 | DFT-s-OFDM<br>PI/2 BPSK | 50/0 | 8.910 | 9.583  | PASS |
| n2 | 15 | 10 | 371000 | DFT-s-OFDM<br>QPSK      | 50/0 | 8.921 | 9.671  | PASS |
| n2 | 15 | 10 | 371000 | DFT-s-OFDM<br>16QAM     | 50/0 | 8.950 | 9.612  | PASS |
| n2 | 15 | 10 | 371000 | DFT-s-OFDM<br>64QAM     | 50/0 | 8.916 | 9.575  | PASS |
| n2 | 15 | 10 | 371000 | DFT-s-OFDM<br>256QAM    | 50/0 | 8.928 | 9.566  | PASS |
| n2 | 15 | 10 | 371000 | CP-OFDM<br>QPSK         | 52/0 | 9.286 | 10.188 | PASS |
| n2 | 15 | 10 | 376000 | DFT-s-OFDM<br>PI/2 BPSK | 50/0 | 8.910 | 9.613  | PASS |
| n2 | 15 | 10 | 376000 | DFT-s-OFDM<br>QPSK      | 50/0 | 8.929 | 9.704  | PASS |
| n2 | 15 | 10 | 376000 | DFT-s-OFDM<br>16QAM     | 50/0 | 8.942 | 9.661  | PASS |
| n2 | 15 | 10 | 376000 | DFT-s-OFDM<br>64QAM     | 50/0 | 8.924 | 9.668  | PASS |
| n2 | 15 | 10 | 376000 | DFT-s-OFDM<br>256QAM    | 50/0 | 8.923 | 9.595  | PASS |
| n2 | 15 | 10 | 376000 | CP-OFDM<br>QPSK         | 52/0 | 9.287 | 10.029 | PASS |
| n2 | 15 | 10 | 381000 | DFT-s-OFDM<br>PI/2 BPSK | 50/0 | 8.914 | 9.666  | PASS |
| n2 | 15 | 10 | 381000 | DFT-s-OFDM<br>QPSK      | 50/0 | 8.912 | 9.707  | PASS |
| n2 | 15 | 10 | 381000 | DFT-s-OFDM<br>16QAM     | 50/0 | 8.918 | 9.576  | PASS |



|    |    |    |        |                         |      |        |        |      |
|----|----|----|--------|-------------------------|------|--------|--------|------|
| n2 | 15 | 10 | 381000 | DFT-s-OFDM<br>64QAM     | 50/0 | 8.919  | 9.663  | PASS |
| n2 | 15 | 10 | 381000 | DFT-s-OFDM<br>256QAM    | 50/0 | 8.917  | 9.612  | PASS |
| n2 | 15 | 10 | 381000 | CP-OFDM<br>QPSK         | 52/0 | 9.279  | 10.082 | PASS |
| n2 | 15 | 15 | 371500 | DFT-s-OFDM<br>PI/2 BPSK | 75/0 | 13.400 | 14.189 | PASS |
| n2 | 15 | 15 | 371500 | DFT-s-OFDM<br>QPSK      | 75/0 | 13.406 | 14.289 | PASS |
| n2 | 15 | 15 | 371500 | DFT-s-OFDM<br>16QAM     | 75/0 | 13.417 | 14.212 | PASS |
| n2 | 15 | 15 | 371500 | DFT-s-OFDM<br>64QAM     | 75/0 | 13.389 | 14.176 | PASS |
| n2 | 15 | 15 | 371500 | DFT-s-OFDM<br>256QAM    | 75/0 | 13.430 | 14.332 | PASS |
| n2 | 15 | 15 | 371500 | CP-OFDM<br>QPSK         | 79/0 | 14.085 | 16.381 | PASS |
| n2 | 15 | 15 | 376000 | DFT-s-OFDM<br>PI/2 BPSK | 75/0 | 13.414 | 14.296 | PASS |
| n2 | 15 | 15 | 376000 | DFT-s-OFDM<br>QPSK      | 75/0 | 13.409 | 14.338 | PASS |
| n2 | 15 | 15 | 376000 | DFT-s-OFDM<br>16QAM     | 75/0 | 13.416 | 14.226 | PASS |
| n2 | 15 | 15 | 376000 | DFT-s-OFDM<br>64QAM     | 75/0 | 13.382 | 14.330 | PASS |
| n2 | 15 | 15 | 376000 | DFT-s-OFDM<br>256QAM    | 75/0 | 13.413 | 14.122 | PASS |
| n2 | 15 | 15 | 376000 | CP-OFDM<br>QPSK         | 79/0 | 14.099 | 16.191 | PASS |
| n2 | 15 | 15 | 380500 | DFT-s-OFDM<br>PI/2 BPSK | 75/0 | 13.411 | 14.223 | PASS |
| n2 | 15 | 15 | 380500 | DFT-s-OFDM<br>QPSK      | 75/0 | 13.434 | 14.371 | PASS |



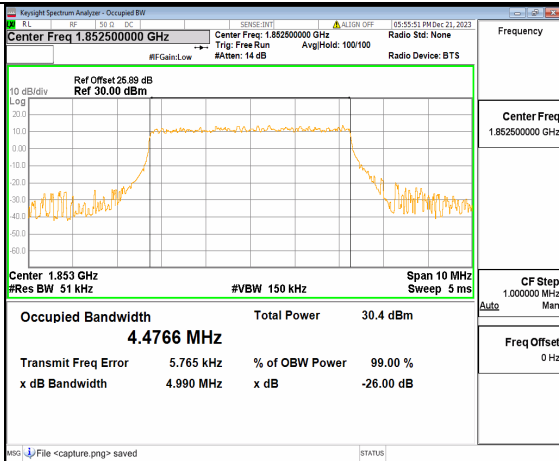
REPORT No.: SZ24030059W02

|    |    |    |        |                         |       |        |        |      |
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| n2 | 15 | 15 | 380500 | DFT-s-OFDM<br>16QAM     | 75/0  | 13.429 | 14.239 | PASS |
| n2 | 15 | 15 | 380500 | DFT-s-OFDM<br>64QAM     | 75/0  | 13.392 | 14.203 | PASS |
| n2 | 15 | 15 | 380500 | DFT-s-OFDM<br>256QAM    | 75/0  | 13.431 | 14.356 | PASS |
| n2 | 15 | 15 | 380500 | CP-OFDM<br>QPSK         | 79/0  | 14.103 | 16.370 | PASS |
| n2 | 15 | 20 | 372000 | DFT-s-OFDM<br>PI/2 BPSK | 100/0 | 17.859 | 18.925 | PASS |
| n2 | 15 | 20 | 372000 | DFT-s-OFDM<br>QPSK      | 100/0 | 17.858 | 18.845 | PASS |
| n2 | 15 | 20 | 372000 | DFT-s-OFDM<br>16QAM     | 100/0 | 17.868 | 18.912 | PASS |
| n2 | 15 | 20 | 372000 | DFT-s-OFDM<br>64QAM     | 100/0 | 17.887 | 19.112 | PASS |
| n2 | 15 | 20 | 372000 | DFT-s-OFDM<br>256QAM    | 100/0 | 17.840 | 18.763 | PASS |
| n2 | 15 | 20 | 372000 | CP-OFDM<br>QPSK         | 106/0 | 18.911 | 19.991 | PASS |
| n2 | 15 | 20 | 376000 | DFT-s-OFDM<br>PI/2 BPSK | 100/0 | 17.857 | 18.842 | PASS |
| n2 | 15 | 20 | 376000 | DFT-s-OFDM<br>QPSK      | 100/0 | 17.855 | 18.884 | PASS |
| n2 | 15 | 20 | 376000 | DFT-s-OFDM<br>16QAM     | 100/0 | 17.857 | 19.026 | PASS |
| n2 | 15 | 20 | 376000 | DFT-s-OFDM<br>64QAM     | 100/0 | 17.873 | 18.792 | PASS |
| n2 | 15 | 20 | 376000 | DFT-s-OFDM<br>256QAM    | 100/0 | 17.835 | 18.805 | PASS |
| n2 | 15 | 20 | 376000 | CP-OFDM<br>QPSK         | 106/0 | 18.879 | 19.989 | PASS |
| n2 | 15 | 20 | 380000 | DFT-s-OFDM<br>PI/2 BPSK | 100/0 | 17.906 | 19.033 | PASS |

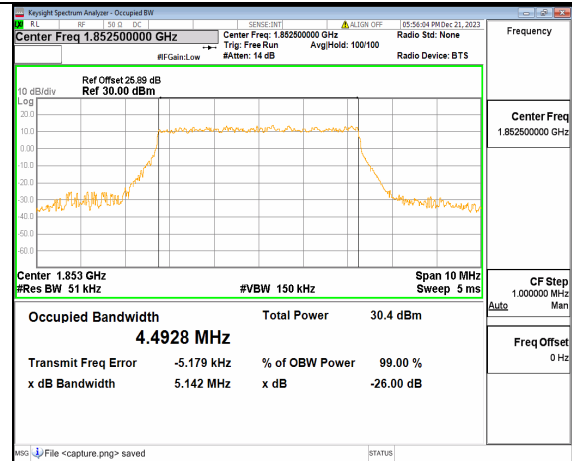


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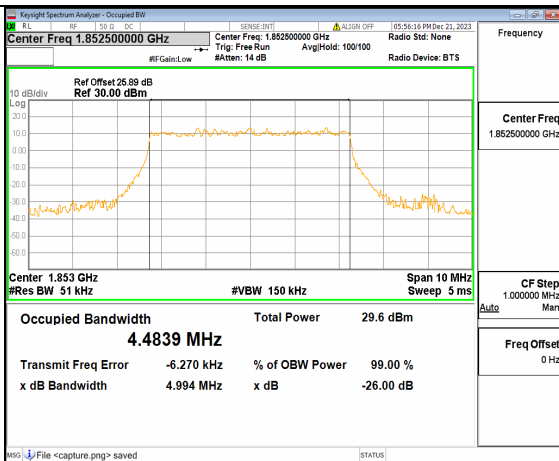
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|----|----|----|--------|-------------------|-------|--------|--------|------|
| n2 | 15 | 20 | 380000 | DFT-s-OFDM QPSK   | 100/0 | 17.896 | 19.074 | PASS |
| n2 | 15 | 20 | 380000 | DFT-s-OFDM 16QAM  | 100/0 | 17.910 | 19.030 | PASS |
| n2 | 15 | 20 | 380000 | DFT-s-OFDM 64QAM  | 100/0 | 17.911 | 18.817 | PASS |
| n2 | 15 | 20 | 380000 | DFT-s-OFDM 256QAM | 100/0 | 17.870 | 18.749 | PASS |
| n2 | 15 | 20 | 380000 | CP-OFDM QPSK      | 106/0 | 18.926 | 19.941 | PASS |



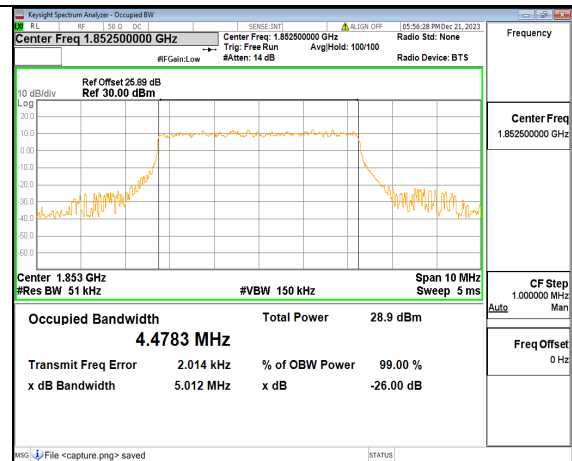
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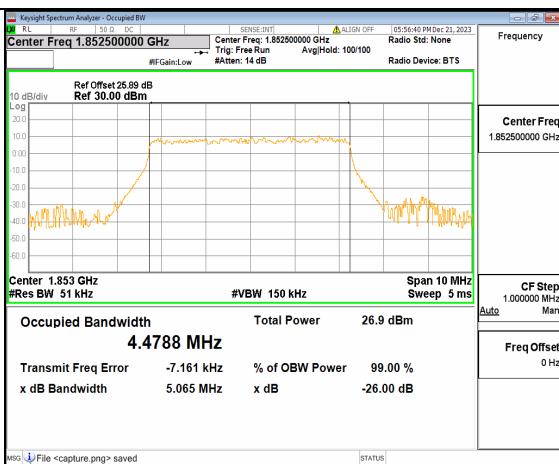
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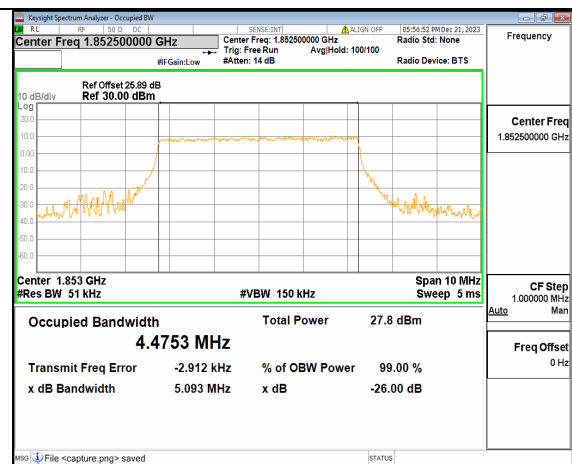
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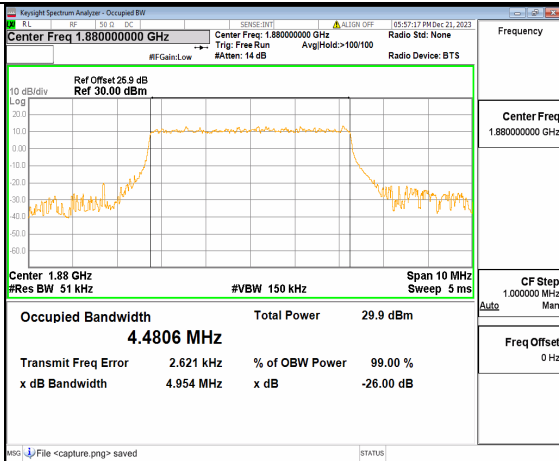
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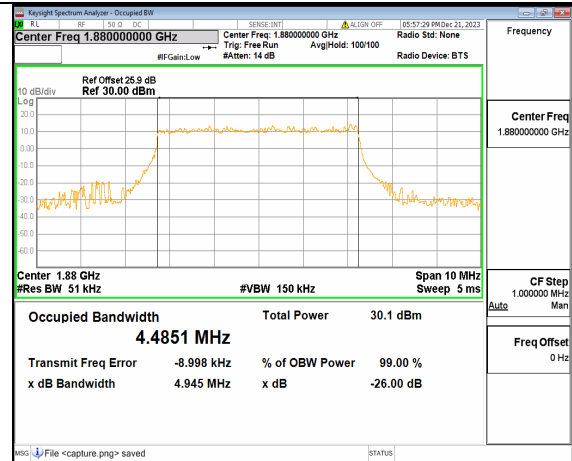
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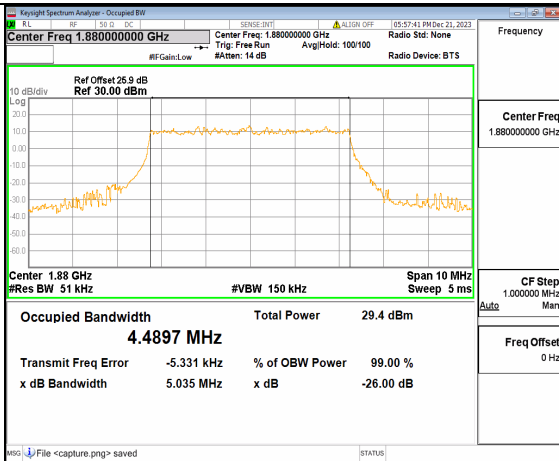
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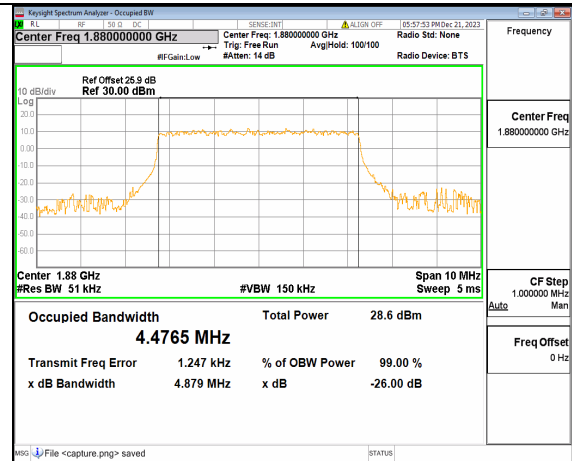
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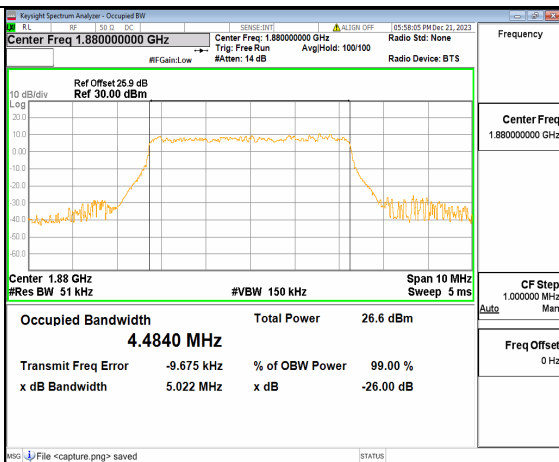
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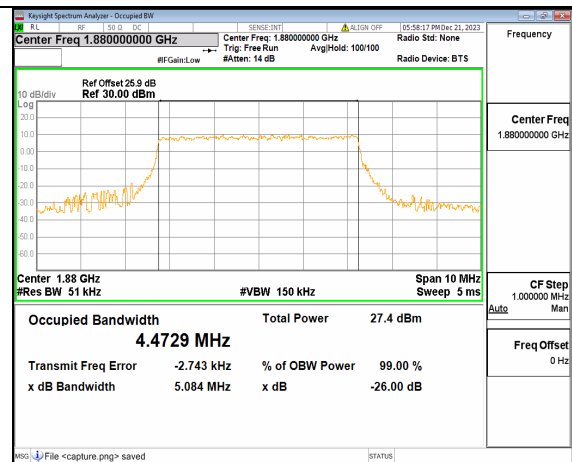
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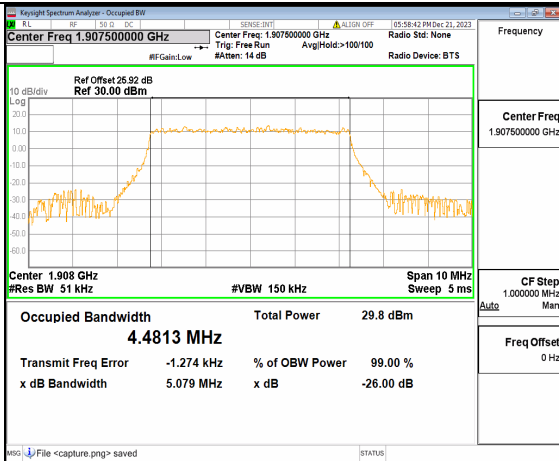
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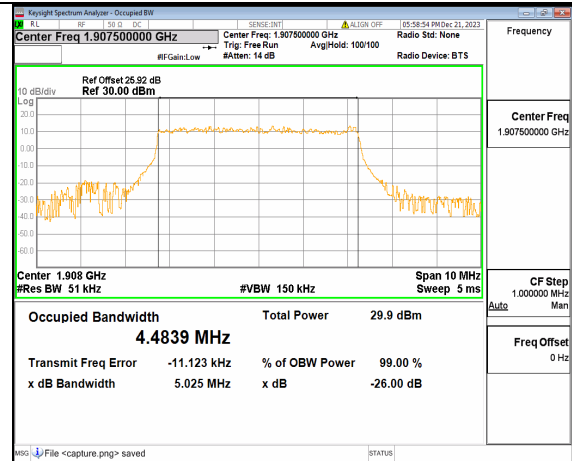
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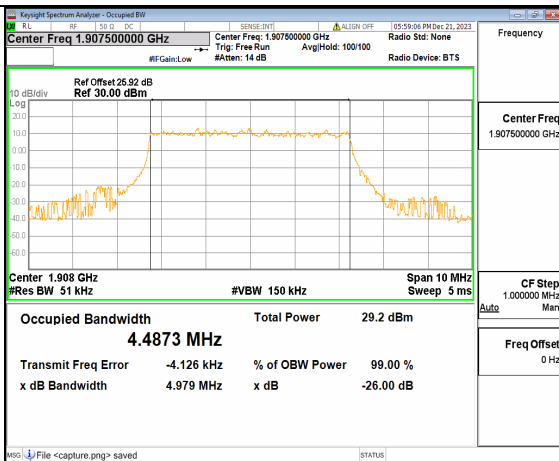
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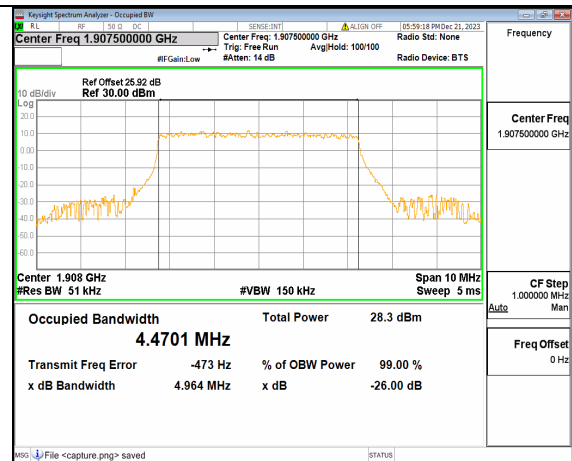
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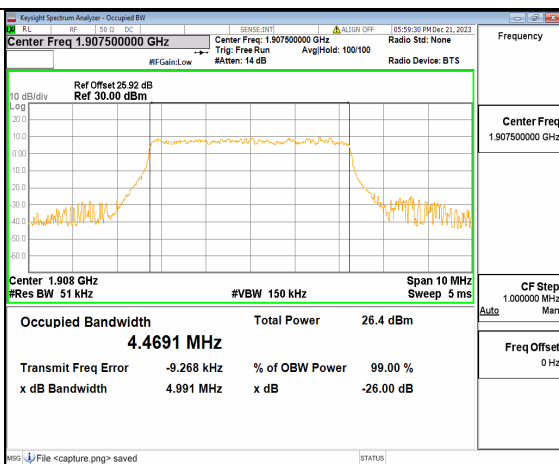
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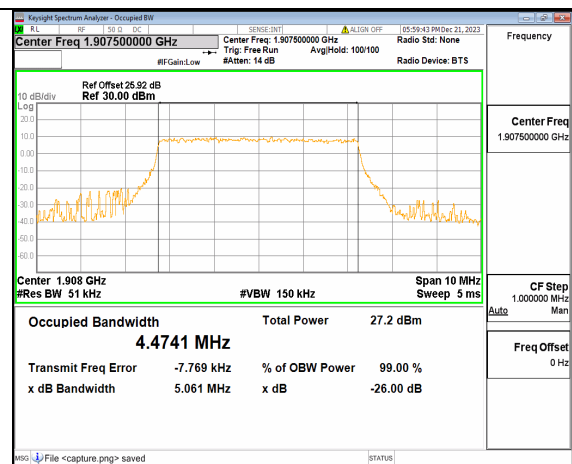
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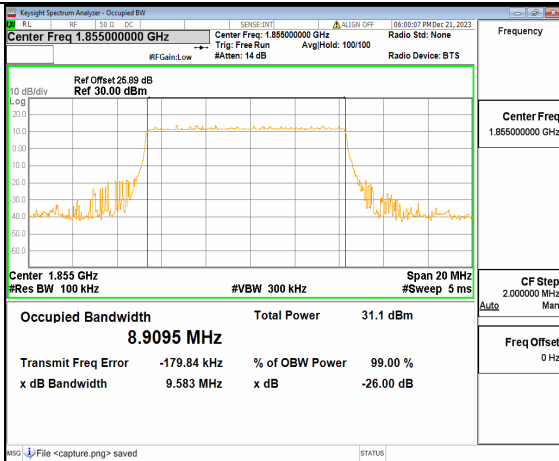
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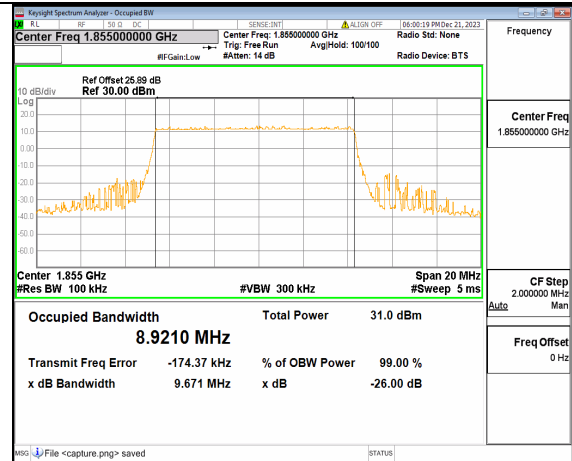
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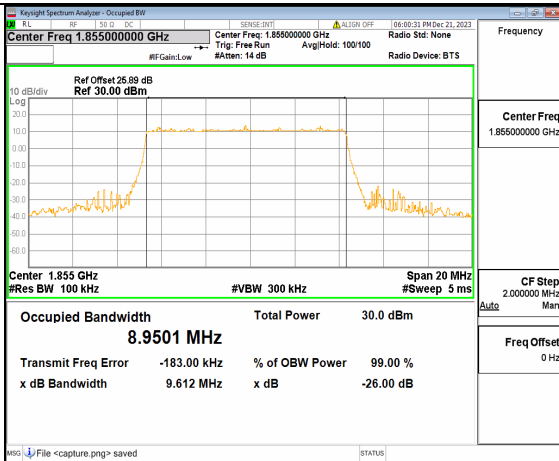
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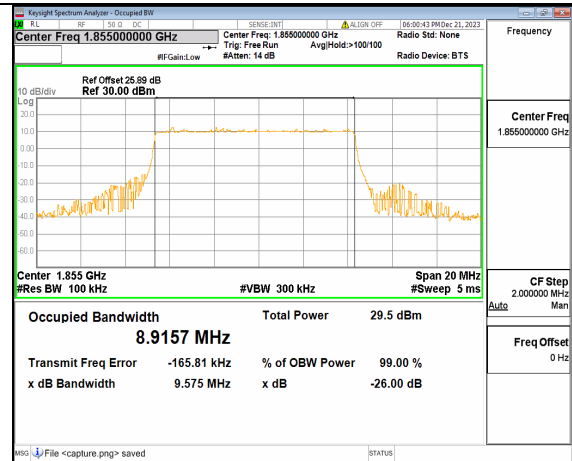
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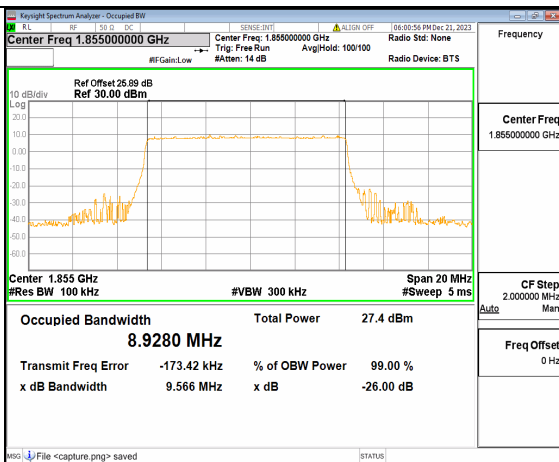
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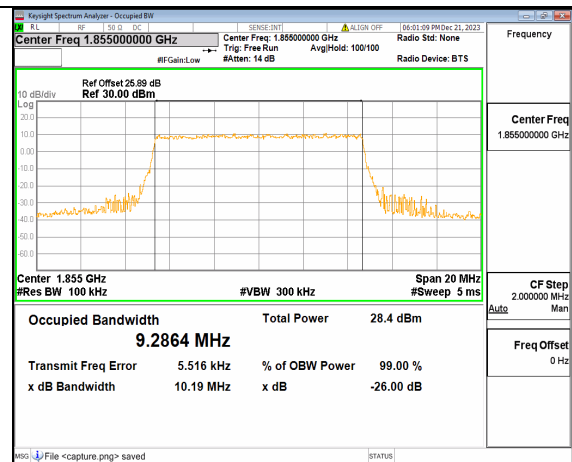
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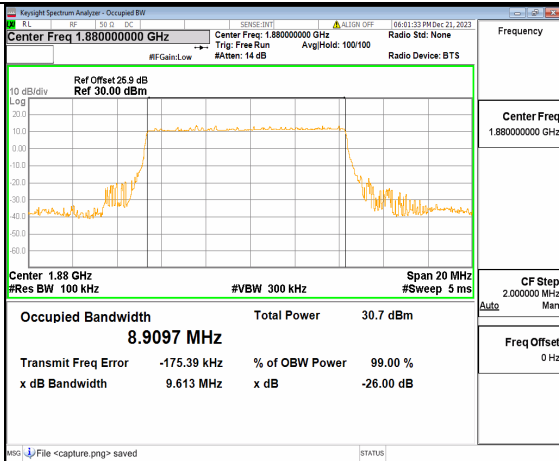
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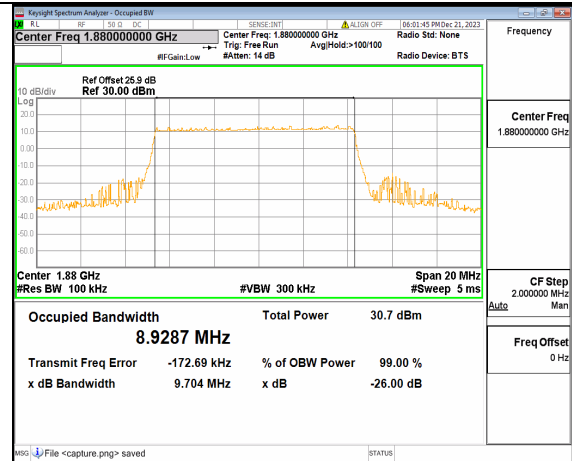
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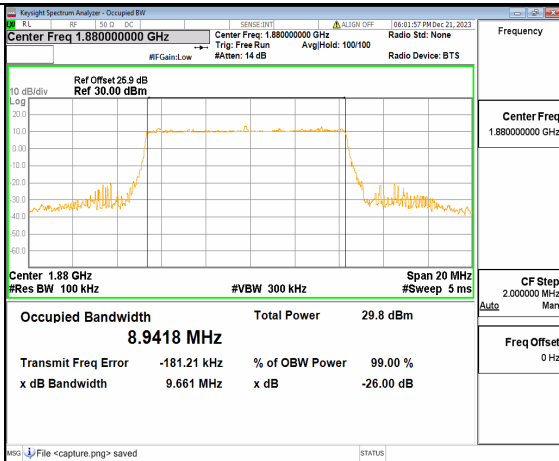
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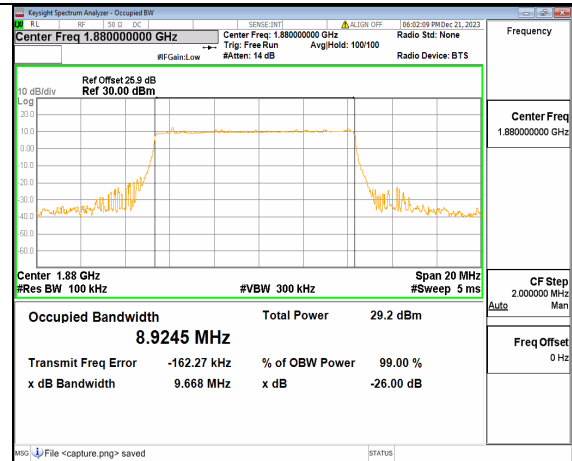
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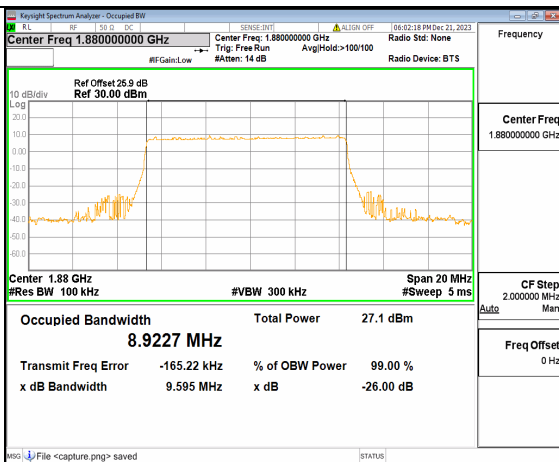
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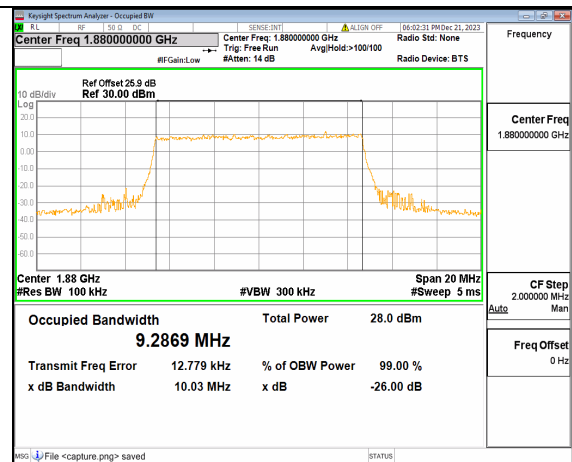
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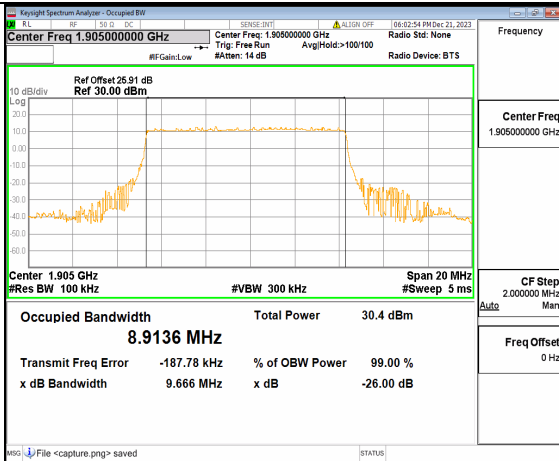
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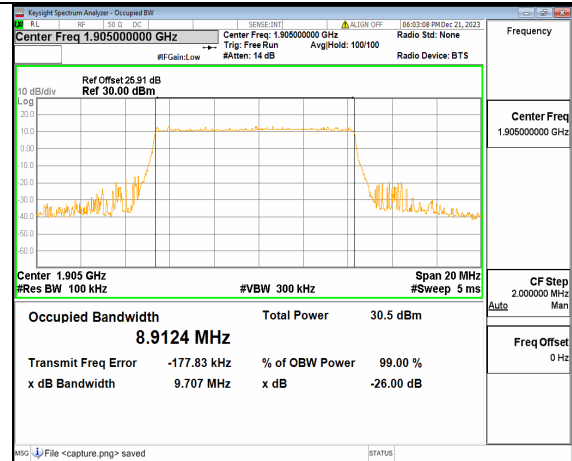
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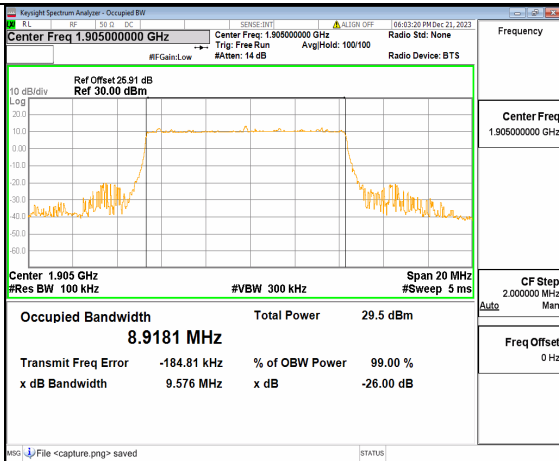
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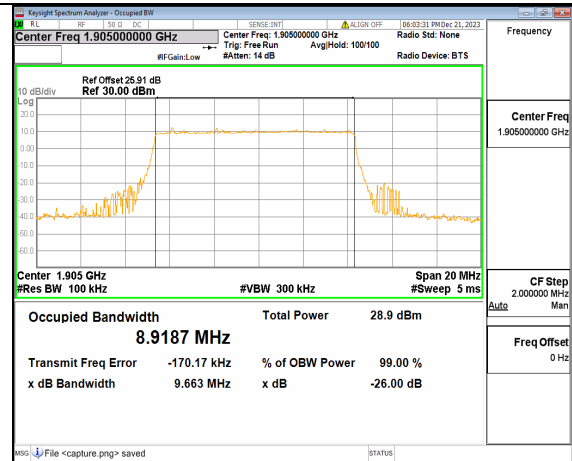
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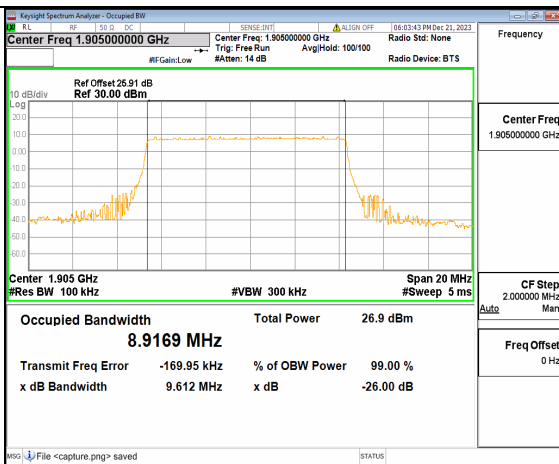
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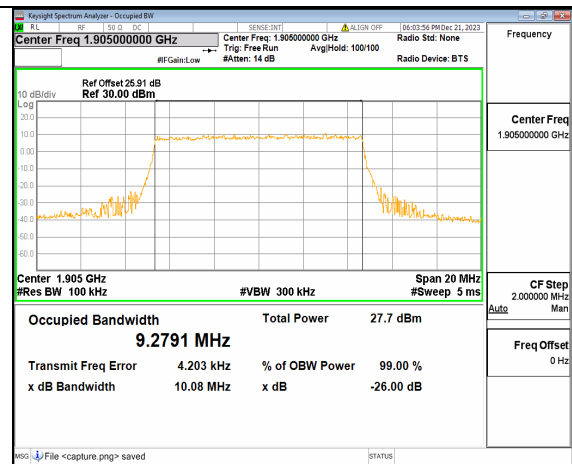
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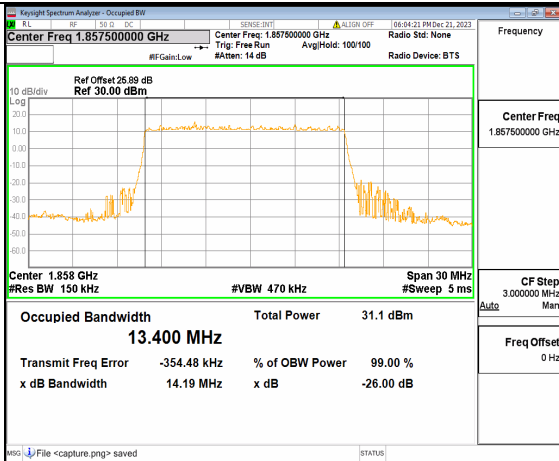
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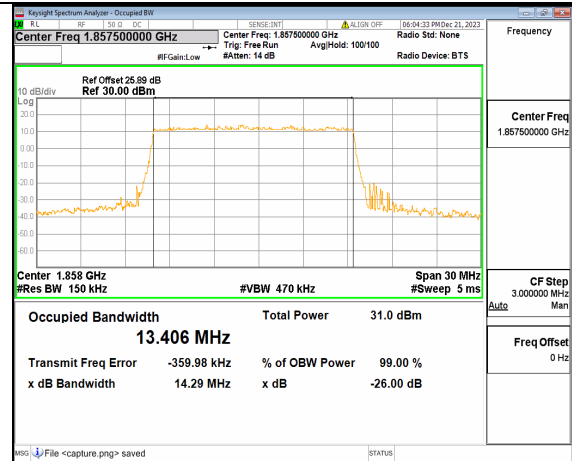
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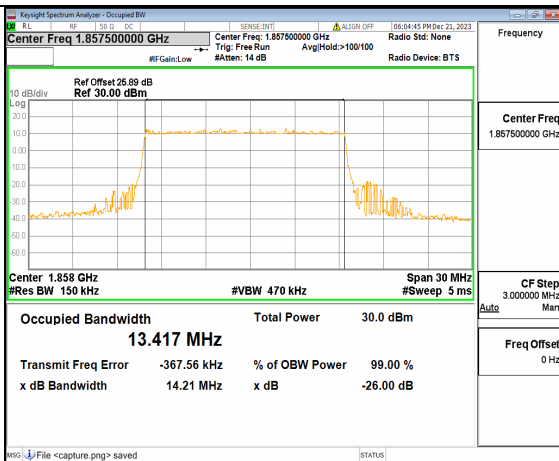
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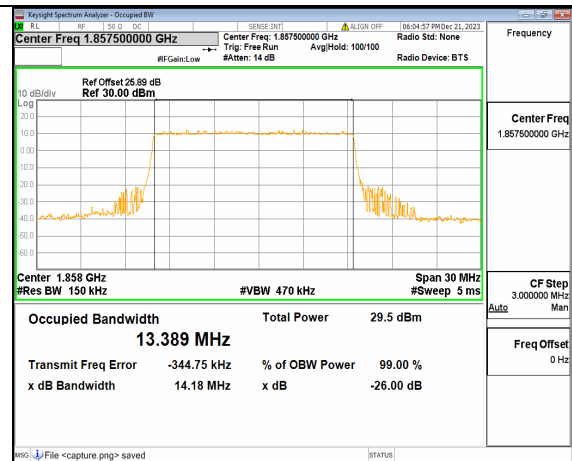
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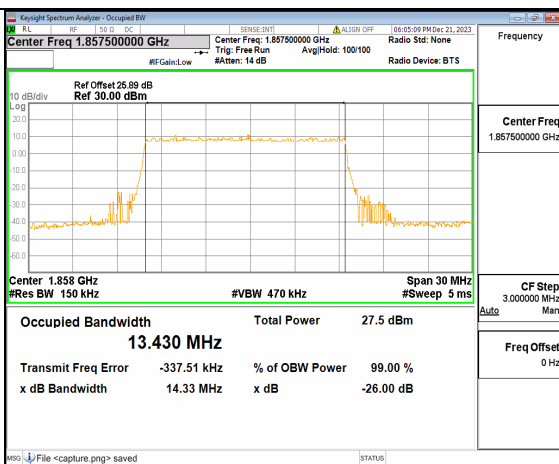
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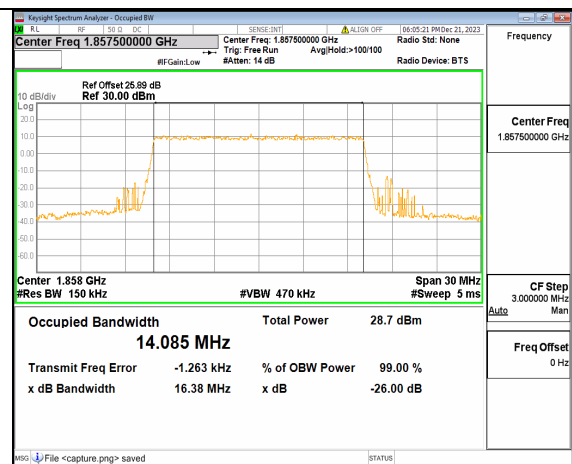
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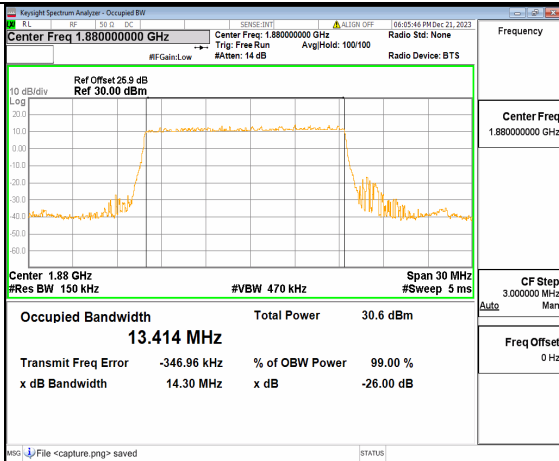
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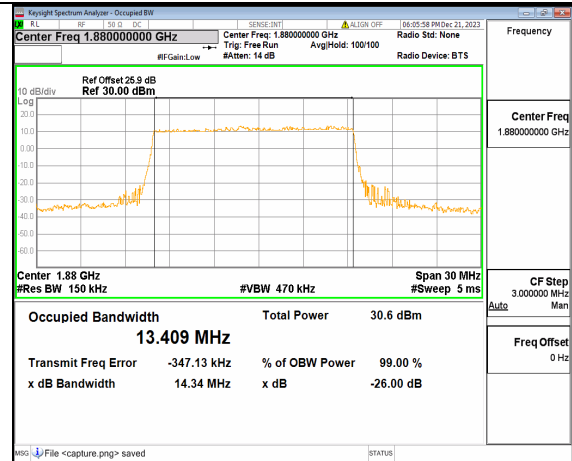
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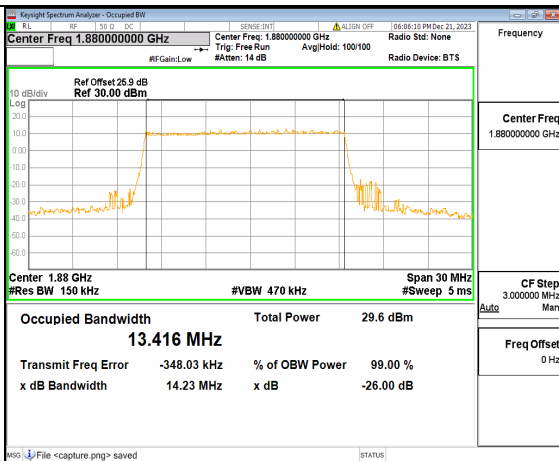
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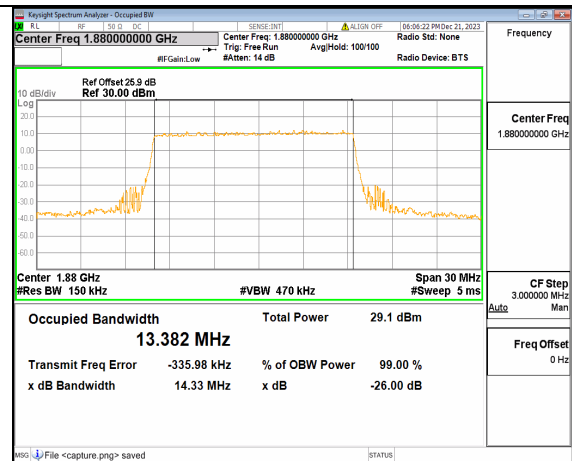
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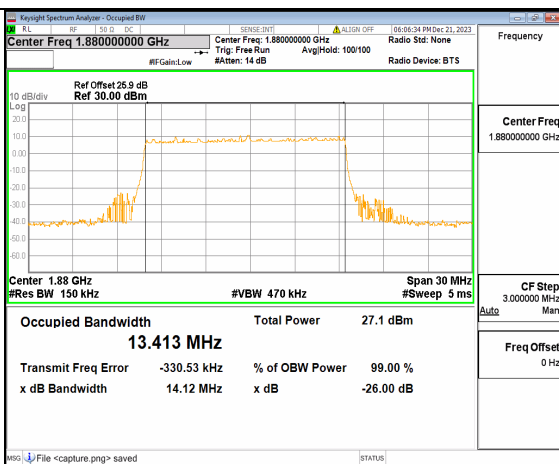
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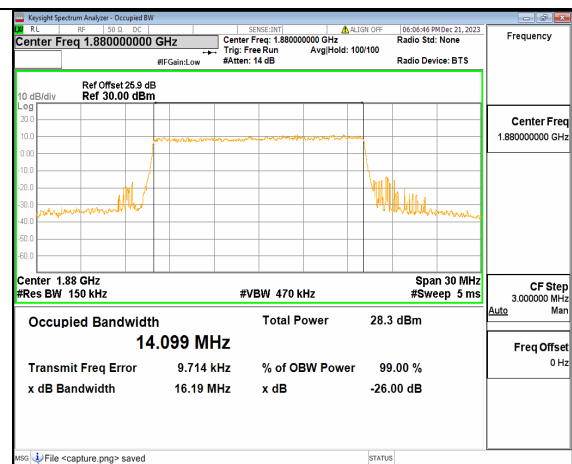
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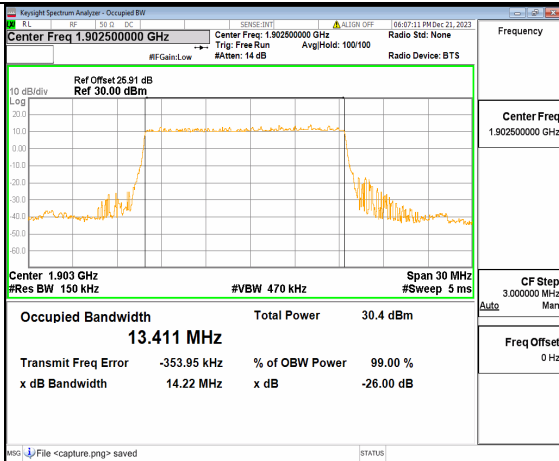
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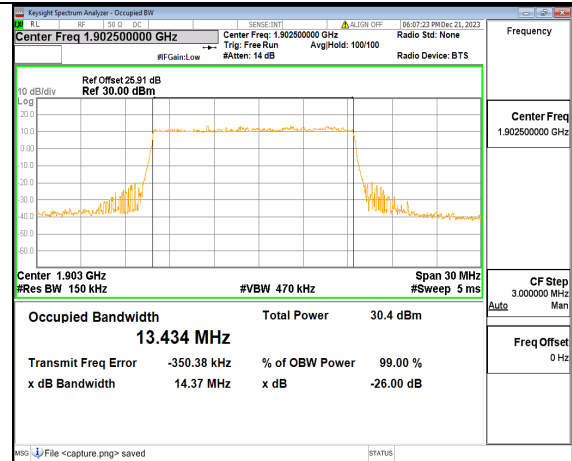
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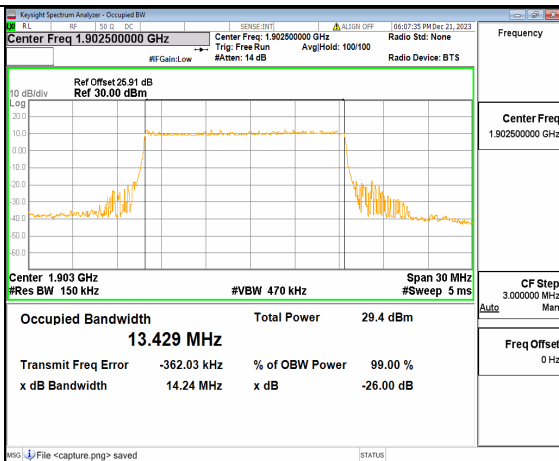
n2 15M CP-OFDM QPSK Outer\_Full Mid



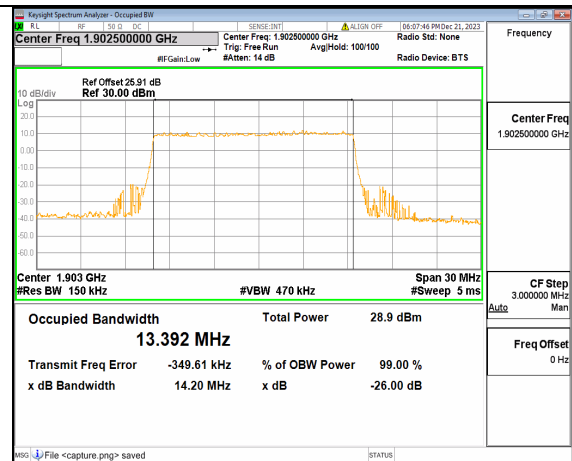
n2 15M DFT-s-OFDM BPSK Outer\_Full High



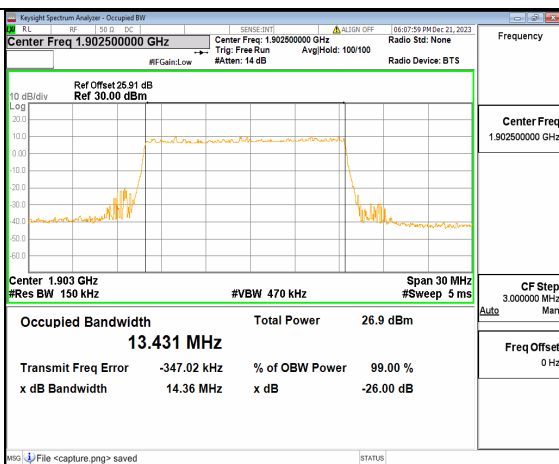
n2 15M DFT-s-OFDM QPSK Outer\_Full High



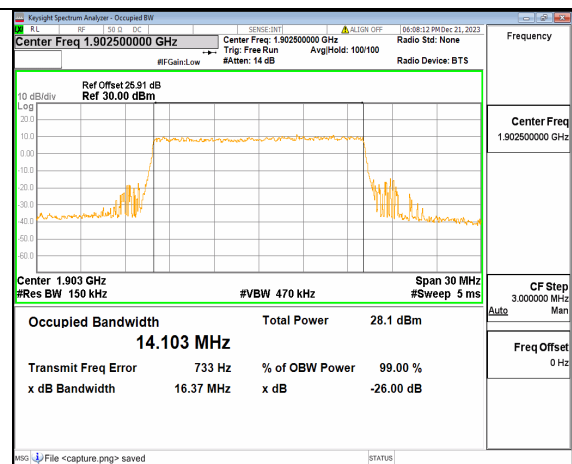
n2 15M DFT-s-OFDM 16QAM Outer\_Full High



n2 15M DFT-s-OFDM 64QAM Outer\_Full High



n2 15M DFT-s-OFDM 256QAM Outer\_Full High



n2 15M CP-OFDM QPSK Outer\_Full High