



TEST REPORT

APPLICANT : Reliance Communications LLC

PRODUCT NAME : Orbic Trophy 5G UW

MODEL NAME : R667L5U

BRAND NAME : Orbic

FCC ID : 2ABGH-R667L5U

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

RECEIPT DATE : 2023-11-09

TEST DATE : 2023-12-13 to 2024-02-01

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| Change History | | |
|----------------|------------|-------------------|
| Version | Date | Reason for change |
| 1.0 | 2024-04-22 | First edition |



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

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

1.2. Equipment Under Test (EUT) Description

| | | |
|--------------------------|---------------------------|--|
| Product Name: | Orbic Trophy 5G UW | |
| Hardware Version: | V1.0 | |
| Software Version: | R667L5U_v1.1.2_BVZ | |
| Sample No.: | 1#,21# | |
| Modulation Type: | DFT-s-OFDM | PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM |
| | CP-OFDM | QPSK, 16QAM, 64QAM, 256QAM |
| Power Class: | PC2: | n77 |
| | PC3: | n2, n5, n66 |
| EN-DC Band: | n2 | DC_5A_n2, DC_13A_n2, DC_66A_n2 |
| | n5 | DC_2A_n5, DC_48A_n5, DC_66A_n5 |
| | n66 | DC_2A_n66, DC_5A_n66, DC_13A_n66 |
| | n77 | DC_2A_n77, DC_5A_n77, DC_13A_n77, DC_66A_n77 |
| Frequency Range: | n2 | Tx: 1850MHz-1910MHz |
| | | Rx: 1930MHz-1990MHz |
| | n5 | Tx: 824MHz-849MHz |
| | | Rx: 869MHz-894MHz |
| | n66 | Tx: 1710MHz-1780MHz |
| | | Rx: 2110MHz-2200MHz |
| | n77 : (enabling bands) | Tx: 3450MHz-3550MHz |
| | | Rx: 3450MHz-3550MHz |
| Tx: 3700MHz-3980MHz | | |

| | | |
|-------------------------------|---------------------|---|
| | | Rx: 3700MHz-3980MHz |
| Channel Bandwidth | n2 | 5MHz, 10MHz, 15MHz, 20MHz |
| | n5 | 5MHz, 10MHz, 15MHz, 20MHz |
| | n66 | 5MHz, 10MHz, 15MHz, 20MHz, 30MHz |
| | n77 | 20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz |
| Antenna Type: | PIFA Antenna | |
| Antenna Gain: | n2 | ANT3: 1.35dB |
| | n5 | ANT1: -2.85dBi |
| | n66 | ANT3: 0.89dBi |
| | n77 | ANT4:0.33 dBi, ANT10:-0.29 dBi, |
| Accessory Information: | Battery : | |
| | Brand Name: | Shenbird |
| | Model No.: | BTE-5003 |
| | Serial No.: | N/A |
| | Capacity: | 5000mAh |
| | Rated Voltage: | 3.89V |
| | Charge Limit: | 4.48V |
| | Manufacturer: | Shenbird New Energy (Huizhou) Co., Ltd. |
| | AC Adapter : | |
| | 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: According to the measured power of all frequency bands, the frequency band with the highest power was selected for the same NR frequency band for testing.



1.3. Maximum ERP/EIRP and Emission Designator

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

ERP (dBm) = EIPR (dBm) - 2.15

| B5_n2 | | | | | | |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | 4.483 | 4M48G7D |
| | QPSK | 23.46 | 24.81 | 0.303 | 4.476 | 4M48G7D |
| | 16QAM | / | / | / | 4.489 | 4M49W7D |
| | 64QAM | / | / | / | 4.497 | 4M50W7D |
| | 256QAM | / | / | / | 4.484 | 4M48W7D |
| | CP-QPSK | / | / | / | 4.485 | 4M49G7D |
| 10 | PI/2 BPSK | / | / | / | 8.935 | 8M94G7D |
| | QPSK | 23.49 | 24.84 | 0.305 | 8.935 | 8M94G7D |
| | 16QAM | / | / | / | 8.913 | 8M91W7D |
| | 64QAM | / | / | / | 8.927 | 8M93W7D |
| | 256QAM | / | / | / | 8.944 | 8M94W7D |
| | CP-QPSK | / | / | / | 9.312 | 9M31G7D |
| 15 | PI/2 BPSK | / | / | / | 13.450 | 13M5G7D |
| | QPSK | 23.33 | 24.68 | 0.294 | 13.418 | 13M4G7D |
| | 16QAM | / | / | / | 13.433 | 13M4W7D |
| | 64QAM | / | / | / | 13.431 | 13M4W7D |
| | 256QAM | / | / | / | 13.456 | 13M5W7D |
| | CP-QPSK | / | / | / | 14.115 | 14M1G7D |
| 20 | PI/2 BPSK | 23.36 | 24.71 | 0.296 | 17.878 | 17M9G7D |
| | QPSK | 23.57 | 24.92 | 0.310 | 17.910 | 17M9G7D |
| | 16QAM | 23.52 | 24.87 | 0.307 | 17.871 | 17M9W7D |
| | 64QAM | 22.00 | 23.35 | 0.216 | 17.867 | 17M9W7D |
| | 256QAM | 19.85 | 21.20 | 0.132 | 17.859 | 17M9W7D |
| | CP-QPSK | / | / | / | 18.946 | 19M0G7D |



| B13 n2 | | | | | | |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.38 | 24.73 | 0.297 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 10 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.41 | 24.76 | 0.299 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 15 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.40 | 24.75 | 0.299 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 20 | PI/2 BPSK | 23.39 | 24.74 | 0.298 | / | / |
| | QPSK | 23.55 | 24.90 | 0.309 | / | / |
| | 16QAM | 23.51 | 24.86 | 0.306 | / | / |
| | 64QAM | 21.98 | 23.33 | 0.215 | / | / |
| | 256QAM | 19.87 | 21.22 | 0.132 | / | / |
| | CP-QPSK | / | / | / | / | / |



| B66_n2 | | | | | | |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.54 | 24.89 | 0.308 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 10 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.54 | 24.89 | 0.308 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 15 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.48 | 24.83 | 0.304 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 20 | PI/2 BPSK | 23.51 | 24.86 | 0.306 | / | / |
| | QPSK | 23.56 | 24.91 | 0.310 | / | / |
| | 16QAM | 22.86 | 24.21 | 0.264 | / | / |
| | 64QAM | 21.26 | 22.61 | 0.182 | / | / |
| | 256QAM | 19.21 | 20.56 | 0.114 | / | / |
| | CP-QPSK | / | / | / | / | / |



| B2_n5 | | | | | | |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.54 | 18.54 | 0.071 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 10 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.48 | 18.48 | 0.070 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 15 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.47 | 18.47 | 0.070 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 20 | PI/2 BPSK | 23.50 | 18.50 | 0.071 | / | / |
| | QPSK | 23.63 | 18.63 | 0.073 | / | / |
| | 16QAM | 23.61 | 18.61 | 0.073 | / | / |
| | 64QAM | 22.09 | 17.09 | 0.051 | / | / |
| | 256QAM | 19.92 | 14.92 | 0.031 | / | / |
| | CP-QPSK | / | / | / | / | / |



| B48_n5 | | | | | | |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.45 | 18.45 | 0.070 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 10 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.47 | 18.47 | 0.070 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 15 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.44 | 18.44 | 0.070 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 20 | PI/2 BPSK | 23.50 | 18.50 | 0.071 | / | / |
| | QPSK | 23.60 | 18.60 | 0.072 | / | / |
| | 16QAM | 23.58 | 18.58 | 0.072 | / | / |
| | 64QAM | 22.09 | 17.09 | 0.051 | / | / |
| | 256QAM | 19.93 | 14.93 | 0.031 | / | / |
| | CP-QPSK | / | / | / | / | / |



| B66_n5 | | | | | | |
|-----------------|------------|-------------------------|-------------------|-----------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | 4.484 | 4M48G7D |
| | QPSK | 23.49 | 18.49 | 0.071 | 4.472 | 4M47G7D |
| | 16QAM | / | / | / | 4.479 | 4M48W7D |
| | 64QAM | / | / | / | 4.501 | 4M50W7D |
| | 256QAM | / | / | / | 4.484 | 4M48W7D |
| | CP-QPSK | / | / | / | 4.484 | 4M48G7D |
| 10 | PI/2 BPSK | / | / | / | 8.912 | 8M91G7D |
| | QPSK | 23.43 | 18.43 | 0.070 | 8.919 | 8M92G7D |
| | 16QAM | / | / | / | 8.904 | 8M90W7D |
| | 64QAM | / | / | / | 8.921 | 8M92W7D |
| | 256QAM | / | / | / | 8.931 | 8M93W7D |
| | CP-QPSK | / | / | / | 9.291 | 9M29G7D |
| 15 | PI/2 BPSK | / | / | / | 13.435 | 13M4G7D |
| | QPSK | 23.58 | 18.58 | 0.072 | 13.405 | 13M4G7D |
| | 16QAM | / | / | / | 13.432 | 13M4W7D |
| | 64QAM | / | / | / | 13.434 | 13M4W7D |
| | 256QAM | / | / | / | 13.434 | 13M4W7D |
| | CP-QPSK | / | / | / | 14.109 | 14M1G7D |
| 20 | PI/2 BPSK | 23.72 | 18.72 | 0.074 | 17.868 | 17M9G7D |
| | QPSK | 23.82 | 18.82 | 0.076 | 17.888 | 17M9G7D |
| | 16QAM | 23.81 | 18.81 | 0.076 | 17.847 | 17M9W7D |
| | 64QAM | 22.32 | 17.32 | 0.054 | 17.849 | 17M9W7D |
| | 256QAM | 20.25 | 15.25 | 0.033 | 17.836 | 17M8W7D |
| | CP-QPSK | / | / | / | 18.915 | 18M9G7D |



| B2_n66 | | | | | | |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | 4.495 | 4M50G7D |
| | QPSK | 23.86 | 24.75 | 0.299 | 4.486 | 4M49G7D |
| | 16QAM | / | / | / | 4.481 | 4M48W7D |
| | 64QAM | / | / | / | 4.501 | 4M50W7D |
| | 256QAM | / | / | / | 4.491 | 4M49W7D |
| | CP-QPSK | / | / | / | 4.498 | 4M50G7D |
| 10 | PI/2 BPSK | / | / | / | 8.947 | 8M95G7D |
| | QPSK | 23.87 | 24.76 | 0.299 | 8.946 | 8M95G7D |
| | 16QAM | / | / | / | 8.931 | 8M93W7D |
| | 64QAM | / | / | / | 8.946 | 8M95W7D |
| | 256QAM | / | / | / | 8.962 | 8M96W7D |
| | CP-QPSK | / | / | / | 9.326 | 9M33G7D |
| 15 | PI/2 BPSK | / | / | / | 13.467 | 13M5G7D |
| | QPSK | 23.86 | 24.75 | 0.299 | 13.439 | 13M4G7D |
| | 16QAM | / | / | / | 13.465 | 13M5W7D |
| | 64QAM | / | / | / | 13.454 | 13M5W7D |
| | 256QAM | / | / | / | 13.495 | 13M5W7D |
| | CP-QPSK | / | / | / | 14.143 | 14M1G7D |
| 20 | PI/2 BPSK | / | / | / | 17.928 | 17M9G7D |
| | QPSK | 23.89 | 24.78 | 0.301 | 17.984 | 18M0G7D |
| | 16QAM | / | / | / | 17.926 | 17M9W7D |
| | 64QAM | / | / | / | 17.922 | 17M9W7D |
| | 256QAM | / | / | / | 17.908 | 17M9W7D |
| | CP-QPSK | / | / | / | 19.021 | 19M0G7D |
| 30 | PI/2 BPSK | 23.88 | 24.77 | 0.300 | 28.714 | 28M7G7D |
| | QPSK | 23.92 | 24.81 | 0.303 | 28.753 | 28M8G7D |
| | 16QAM | 23.32 | 24.21 | 0.264 | 28.758 | 28M8W7D |
| | 64QAM | 21.43 | 22.32 | 0.171 | 28.705 | 28M7W7D |
| | 256QAM | 19.54 | 20.43 | 0.110 | 28.713 | 28M7W7D |
| | CP-QPSK | / | / | / | 28.734 | 28M7G7D |



| B5_n66 | | | | | | |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.35 | 24.24 | 0.265 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 10 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.42 | 24.31 | 0.270 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 15 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.29 | 24.18 | 0.262 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 20 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.27 | 24.16 | 0.261 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 30 | PI/2 BPSK | 23.39 | 24.28 | 0.268 | / | / |
| | QPSK | 23.56 | 24.45 | 0.279 | / | / |
| | 16QAM | 23.48 | 24.37 | 0.274 | / | / |
| | 64QAM | 22.00 | 22.89 | 0.195 | / | / |
| | 256QAM | 19.92 | 20.81 | 0.121 | / | / |
| | CP-QPSK | / | / | / | / | / |



| B13_n66 | | | | | | |
|-----------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 5 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.44 | 24.33 | 0.271 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 10 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.44 | 24.33 | 0.271 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 15 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.32 | 24.21 | 0.264 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 20 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 23.25 | 24.14 | 0.259 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 30 | PI/2 BPSK | 23.45 | 24.34 | 0.272 | / | / |
| | QPSK | 23.58 | 24.47 | 0.280 | / | / |
| | 16QAM | 23.56 | 24.45 | 0.279 | / | / |
| | 64QAM | 22.02 | 22.91 | 0.195 | / | / |
| | 256QAM | 19.99 | 20.88 | 0.122 | / | / |
| | CP-QPSK | / | / | / | / | / |



| B2_n77(3450-3550MHz) | | | | | | |
|----------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20 | PI/2 BPSK | / | / | / | 17.844 | 17M8G7D |
| | QPSK | 27.07 | 27.40 | 0.550 | 17.839 | 17M8G7D |
| | 16QAM | / | / | / | 17.824 | 17M8W7D |
| | 64QAM | / | / | / | 17.822 | 17M8W7D |
| | 256QAM | / | / | / | 17.839 | 17M8W7D |
| | CP-QPSK | / | / | / | 17.860 | 17M9G7D |
| 30 | PI/2 BPSK | / | / | / | 26.828 | 26M8G7D |
| | QPSK | 27.08 | 27.41 | 0.551 | 26.824 | 26M8G7D |
| | 16QAM | / | / | / | 26.820 | 26M8W7D |
| | 64QAM | / | / | / | 26.789 | 26M8W7D |
| | 256QAM | / | / | / | 26.813 | 26M8W7D |
| | CP-QPSK | / | / | / | 26.767 | 26M8G7D |
| 40 | PI/2 BPSK | / | / | / | 35.745 | 35M8G7D |
| | QPSK | 27.09 | 27.42 | 0.552 | 35.750 | 35M8G7D |
| | 16QAM | / | / | / | 35.711 | 35M7W7D |
| | 64QAM | / | / | / | 35.746 | 35M8W7D |
| | 256QAM | / | / | / | 35.703 | 35M7W7D |
| | CP-QPSK | / | / | / | 35.721 | 35M7G7D |
| 60 | PI/2 BPSK | / | / | / | 57.839 | 57M8G7D |
| | QPSK | 27.09 | 27.42 | 0.552 | 57.861 | 57M9G7D |
| | 16QAM | / | / | / | 57.843 | 57M8W7D |
| | 64QAM | / | / | / | 57.822 | 57M8W7D |
| | 256QAM | / | / | / | 57.890 | 57M9W7D |
| | CP-QPSK | / | / | / | 57.886 | 57M9G7D |
| 80 | PI/2 BPSK | / | / | / | 77.044 | 77M0G7D |
| | QPSK | 27.00 | 27.33 | 0.541 | 77.096 | 77M1G7D |
| | 16QAM | / | / | / | 77.129 | 77M1W7D |
| | 64QAM | / | / | / | 77.159 | 77M2W7D |
| | 256QAM | / | / | / | 77.154 | 77M2W7D |
| | CP-QPSK | / | / | / | 77.116 | 77M1G7D |
| 100 | PI/2 BPSK | 27.05 | 27.38 | 0.547 | 96.317 | 96M3G7D |
| | QPSK | 27.10 | 27.43 | 0.553 | 96.293 | 96M3G7D |



| | | | | | | |
|--|---------|-------|-------|-------|--------|---------|
| | 16QAM | 27.06 | 27.39 | 0.548 | 96.424 | 96M4W7D |
| | 64QAM | 24.65 | 24.98 | 0.315 | 96.097 | 96M1W7D |
| | 256QAM | 22.38 | 22.71 | 0.187 | 96.225 | 96M2W7D |
| | CP-QPSK | / | / | / | 96.351 | 96M4G7D |

| B5_n77(3450-3550MHz) | | | | | | |
|----------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.37 | 26.70 | 0.468 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 30 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.47 | 26.80 | 0.479 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 40 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.42 | 26.75 | 0.473 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 60 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.12 | 26.45 | 0.442 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 80 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.29 | 26.62 | 0.459 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |



| | | | | | | |
|-----|-----------|-------|-------|-------|---|---|
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 100 | PI/2 BPSK | 26.56 | 26.89 | 0.489 | / | / |
| | QPSK | 26.63 | 26.96 | 0.497 | / | / |
| | 16QAM | 24.69 | 25.02 | 0.318 | / | / |
| | 64QAM | 23.59 | 23.92 | 0.247 | / | / |
| | 256QAM | 21.57 | 21.90 | 0.155 | / | / |
| | CP-QPSK | / | / | / | / | / |

| B13_n77(3450-3550MHz) | | | | | | |
|-----------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.21 | 26.54 | 0.451 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 30 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.35 | 26.68 | 0.466 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 40 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.25 | 26.58 | 0.455 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 60 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 25.98 | 26.31 | 0.428 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |



| | | | | | | |
|-----|-----------|-------|-------|-------|---|---|
| 80 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.17 | 26.50 | 0.447 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 100 | PI/2 BPSK | 26.46 | 26.79 | 0.478 | / | / |
| | QPSK | 26.51 | 26.84 | 0.483 | / | / |
| | 16QAM | 25.60 | 25.93 | 0.392 | / | / |
| | 64QAM | 24.29 | 24.62 | 0.290 | / | / |
| | 256QAM | 21.46 | 21.79 | 0.151 | / | / |
| | CP-QPSK | / | / | / | / | / |

| B66_n77(3450-3550MHz) | | | | | | |
|-----------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 27.00 | 27.33 | 0.541 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 30 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 27.01 | 27.34 | 0.542 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 40 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.97 | 27.30 | 0.537 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 60 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 27.02 | 27.35 | 0.543 | / | / |



| | | | | | | |
|-----|-----------|-------|-------|-------|---|---|
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 80 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.98 | 27.31 | 0.538 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| 100 | CP-QPSK | / | / | / | / | / |
| | PI/2 BPSK | 27.01 | 27.34 | 0.542 | / | / |
| | QPSK | 27.03 | 27.36 | 0.545 | / | / |
| | 16QAM | 26.12 | 26.45 | 0.442 | / | / |
| | 64QAM | 24.64 | 24.97 | 0.314 | / | / |
| | 256QAM | 22.56 | 22.89 | 0.195 | / | / |
| | CP-QPSK | / | / | / | / | / |

| B2_n77(3700-3980MHz) | | | | | | |
|----------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20 | PI/2 BPSK | / | / | / | 17.800 | 17M8G7D |
| | QPSK | 27.59 | 27.92 | 0.619 | 17.847 | 17M9G7D |
| | 16QAM | / | / | / | 17.826 | 17M8W7D |
| | 64QAM | / | / | / | 17.822 | 17M8W7D |
| | 256QAM | / | / | / | 17.824 | 17M8W7D |
| | CP-QPSK | / | / | / | 17.849 | 17M9G7D |
| 30 | PI/2 BPSK | / | / | / | 26.799 | 26M8G7D |
| | QPSK | 27.29 | 27.62 | 0.578 | 26.790 | 26M8G7D |
| | 16QAM | / | / | / | 26.805 | 26M8W7D |
| | 64QAM | / | / | / | 26.813 | 26M8W7D |
| | 256QAM | / | / | / | 26.840 | 26M8W7D |
| | CP-QPSK | / | / | / | 26.779 | 26M8G7D |
| 40 | PI/2 BPSK | / | / | / | 35.751 | 35M8G7D |
| | QPSK | 27.40 | 27.73 | 0.593 | 35.834 | 35M8G7D |
| | 16QAM | / | / | / | 35.771 | 35M8W7D |
| | 64QAM | / | / | / | 35.736 | 35M7W7D |



| | | | | | | |
|-----|-----------|-------|-------|-------|--------|---------|
| | 256QAM | / | / | / | 35.714 | 35M7W7D |
| | CP-QPSK | / | / | / | 35.711 | 35M7G7D |
| 60 | PI/2 BPSK | / | / | / | 57.785 | 57M8G7D |
| | QPSK | 27.47 | 27.80 | 0.603 | 57.818 | 57M8G7D |
| | 16QAM | / | / | / | 57.837 | 57M8W7D |
| | 64QAM | / | / | / | 57.828 | 57M8W7D |
| | 256QAM | / | / | / | 57.842 | 57M8W7D |
| | CP-QPSK | / | / | / | 57.888 | 57M9G7D |
| 80 | PI/2 BPSK | / | / | / | 77.057 | 77M1G7D |
| | QPSK | 27.36 | 27.69 | 0.587 | 77.059 | 77M1G7D |
| | 16QAM | / | / | / | 77.090 | 77M1W7D |
| | 64QAM | / | / | / | 77.139 | 77M1W7D |
| | 256QAM | / | / | / | 77.121 | 77M1W7D |
| | CP-QPSK | / | / | / | 77.169 | 77M2G7D |
| 100 | PI/2 BPSK | 27.69 | 28.02 | 0.634 | 96.308 | 96M3G7D |
| | QPSK | 27.70 | 28.03 | 0.635 | 96.219 | 96M2G7D |
| | 16QAM | 26.61 | 26.94 | 0.494 | 96.299 | 96M3W7D |
| | 64QAM | 25.02 | 25.35 | 0.343 | 96.260 | 96M3W7D |
| | 256QAM | 22.70 | 23.03 | 0.201 | 96.137 | 96M1W7D |
| | CP-QPSK | / | / | / | 96.179 | 96M2G7D |

| B5_n77(3700-3980MHz) | | | | | | |
|----------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.31 | 26.64 | 0.461 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 30 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.38 | 26.71 | 0.469 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |



| | | | | | | |
|-----|-----------|-------|-------|-------|---|---|
| 40 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.07 | 26.40 | 0.437 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 60 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.15 | 26.48 | 0.445 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 80 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.07 | 26.40 | 0.437 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 100 | PI/2 BPSK | 26.48 | 26.81 | 0.480 | / | / |
| | QPSK | 26.53 | 26.86 | 0.485 | / | / |
| | 16QAM | 25.15 | 25.48 | 0.353 | / | / |
| | 64QAM | 23.63 | 23.96 | 0.249 | / | / |
| | 256QAM | 21.50 | 21.83 | 0.152 | / | / |
| | CP-QPSK | / | / | / | / | / |

| B13_n77(3700-3980MHz) | | | | | | |
|-----------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.21 | 26.54 | 0.451 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 30 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.03 | 26.36 | 0.433 | / | / |



| | | | | | | |
|-----|-----------|-------|-------|-------|---|---|
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 40 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.37 | 26.70 | 0.468 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 60 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 26.11 | 26.44 | 0.441 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 80 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 25.93 | 26.26 | 0.423 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 100 | PI/2 BPSK | 26.25 | 26.58 | 0.455 | / | / |
| | QPSK | 26.39 | 26.72 | 0.470 | / | / |
| | 16QAM | 25.32 | 25.65 | 0.367 | / | / |
| | 64QAM | 23.59 | 23.92 | 0.247 | / | / |
| | 256QAM | 21.58 | 21.91 | 0.155 | / | / |
| | CP-QPSK | / | / | / | / | / |

| B66_n77(3700-3980MHz) | | | | | | |
|-----------------------|------------|-------------------------|--------------------|------------------|--------------|---------------------|
| Bandwidth (MHz) | Modulation | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (MHz) | Emission Designator |
| 20 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 25.59 | 25.92 | 0.391 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |



| | | | | | | |
|---------|-----------|-----------|-------|-------|-------|---|
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| 30 | PI/2 BPSK | / | / | / | / | / |
| | QPSK | 25.62 | 25.95 | 0.394 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| | 40 | PI/2 BPSK | / | / | / | / |
| QPSK | | 25.79 | 26.12 | 0.409 | / | / |
| 16QAM | | / | / | / | / | / |
| 64QAM | | / | / | / | / | / |
| 256QAM | | / | / | / | / | / |
| CP-QPSK | | / | / | / | / | / |
| 60 | | PI/2 BPSK | / | / | / | / |
| | QPSK | 25.39 | 25.72 | 0.373 | / | / |
| | 16QAM | / | / | / | / | / |
| | 64QAM | / | / | / | / | / |
| | 256QAM | / | / | / | / | / |
| | CP-QPSK | / | / | / | / | / |
| | 80 | PI/2 BPSK | / | / | / | / |
| QPSK | | 25.64 | 25.97 | 0.395 | / | / |
| 16QAM | | / | / | / | / | / |
| 64QAM | | / | / | / | / | / |
| 256QAM | | / | / | / | / | / |
| CP-QPSK | | / | / | / | / | / |
| 100 | | PI/2 BPSK | 27.31 | 27.64 | 0.581 | / |
| | QPSK | 27.33 | 27.66 | 0.583 | / | / |
| | 16QAM | 26.45 | 26.78 | 0.476 | / | / |
| | 64QAM | 23.45 | 23.78 | 0.239 | / | / |
| | 256QAM | 20.56 | 20.89 | 0.123 | / | / |
| | CP-QPSK | / | / | / | / | / |



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24 and Part 27 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 |

| n2 | | | |
|--|---------------------------|--------------------------------|--------|
| Item | FCC Rule No. | Requirements | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §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 EBW: No limit | PASS |
| Band Edges Compliance | §2.1051, §24.238(a)(b) | Refer to section 2.6 | PASS |
| Spurious Emission at Antenna Terminals | §2.1051, §24.238(a)(b) | \leq -13 dBm/1MHz | PASS |
| Field Strength of Spurious Radiation | §2.1053, §24.238(a) | \leq -13 dBm/1MHz | PASS |
| Frequency Stability | §2.1055, §24.235 | No limit | N/A |

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



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

| n66 | | | |
|--|---|----------------------------------|--------|
| Item | FCC Rule No. | Requirements | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §27.50(d)(4) | EIRP ≤ 1 W | PASS |
| Peak-Average Ratio | §27.50(d) (5) | Limit ≤ 13 dB | PASS |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | PASS |
| Band Edges Compliance | §2.1051, §27.53(h)(1) §27.53(h)(3)(i) | Refer to section 2.6 | PASS |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(h)(1) | ≤ -13 dBm/1MHz | PASS |
| Field Strength of Spurious Radiation | §2.1053, §27.53(h)(1) | ≤ -13 dBm/1MHz. | PASS |
| Frequency Stability | §2.1055, §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) | | | |
|--|--------------------------|----------------------------------|--------|
| Item | FCC Rule No. | Requirements | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §27.50(K)(3) | EIRP ≤ 1W | PASS |
| Peak-Average Ratio | §27.50(K)(4) | ≤ 13 dB | PASS |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | PASS |
| Band Edges Compliance | §2.1051, §27.53(l)(2) | Refer to section 2.6 | PASS |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(l)(2) | ≤ -13 dBm/1MHz | PASS |
| Field Strength of Spurious Radiation | §2.1053, §27.53(l)(2) | ≤ -13 dBm/1MHz. | PASS |
| Frequency Stability | §2.1055, §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) | | | |
|--|--------------------------|----------------------------------|--------|
| Item | FCC Rule No. | Requirements | Result |
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §27.50(j)(3) | EIRP ≤ 1W | PASS |
| Peak-Average Ratio | §27.50(j)(4) | ≤ 13 dB | PASS |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | PASS |
| Band Edges Compliance | §2.1051, §27.53(n)(2) | Refer to section 2.6 | PASS |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(n)(2) | ≤ -13 dBm/1MHz | PASS |
| Field Strength of Spurious Radiation | §2.1053, §27.53(m)(4) | ≤ -13 dBm/1MHz. | PASS |
| Frequency Stability | §2.1055, §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 Ratio | Li Huaijie | PASS | Nodeviation |
| Conducted Spurious Emissions | Li Huaijie | PASS | Nodeviation |
| Band Edge | Li Huaijie | PASS | Nodeviation |
| Radiated Spurious Emissions | Gao Jianrou | PASS | Nodeviation |

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: 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.

Note 3: 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.

Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

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, 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, the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

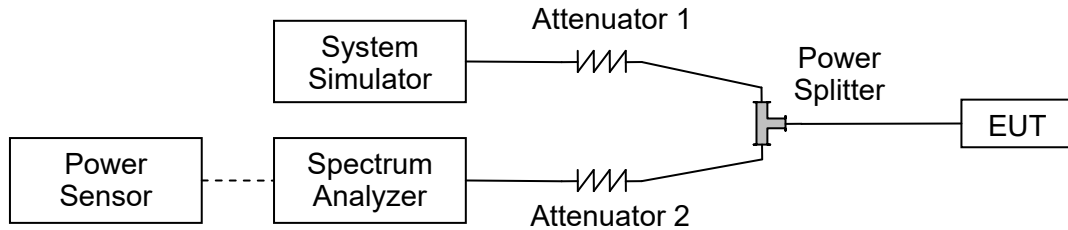
According to FCC section 96.41(b) for n48, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table as below. Paragraph

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

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

| B5_n2 (PC3) | | | | | | |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 23.25 | 23.18 | 23.01 |
| 20 | | 1 | 53 | 23.28 | 23.18 | 23.05 |
| 20 | | 1 | 104 | 23.24 | 23.14 | 23.04 |
| 20 | | 50 | 1 | 23.27 | 23.27 | 23.07 |
| 20 | | 50 | 25 | 23.34 | 23.25 | 23.06 |
| 20 | | 50 | 50 | 23.36 | 23.12 | 22.98 |
| 20 | | 100 | 0 | 23.31 | 23.26 | 23.06 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.49 | 23.57 | 23.54 |
| 20 | | 1 | 53 | 23.39 | 23.47 | 23.41 |
| 20 | | 1 | 104 | 23.27 | 23.24 | 23.18 |
| 20 | | 50 | 1 | 23.31 | 23.41 | 23.32 |
| 20 | | 50 | 25 | 23.36 | 23.26 | 23.21 |
| 20 | | 50 | 50 | 23.25 | 23.14 | 23.09 |
| 20 | | 100 | 0 | 23.32 | 23.24 | 23.13 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 23.52 | 23.50 | 23.34 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 22.00 | 21.92 | 21.76 |



| | | | | | | |
|-----------------|----------------------|---|---|--------|--------|--------|
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 19.85 | 19.79 | 19.57 |
| 20 | CP-OFDM QPSK | 1 | 1 | 22.98 | 22.86 | 22.70 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 22.30 | 22.21 | 22.02 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 20.96 | 20.81 | 20.63 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 17.92 | 17.81 | 17.64 |
| Channel | | | | 371500 | 376000 | 380500 |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.33 | 23.23 | 23.05 |
| Channel | | | | 371000 | 376000 | 381000 |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.49 | 23.24 | 23.07 |
| Channel | | | | 370500 | 376000 | 381500 |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.46 | 23.28 | 23.18 |

| B13_n2 (PC3) | | | | | | |
|-----------------|-------------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 23.30 | 23.22 | 23.05 |
| 20 | | 1 | 53 | 23.29 | 23.23 | 22.97 |
| 20 | | 1 | 104 | 23.28 | 23.09 | 22.96 |
| 20 | | 50 | 1 | 23.33 | 23.25 | 23.04 |
| 20 | | 50 | 25 | 23.39 | 23.26 | 23.12 |
| 20 | | 50 | 50 | 23.33 | 23.16 | 23.05 |
| 20 | | 100 | 0 | 23.37 | 23.21 | 23.06 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.40 | 23.55 | 23.29 |
| 20 | | 1 | 53 | 23.20 | 23.33 | 23.21 |
| 20 | | 1 | 104 | 23.19 | 23.19 | 23.15 |
| 20 | | 50 | 1 | 23.31 | 23.40 | 23.25 |
| 20 | | 50 | 25 | 23.39 | 23.20 | 23.15 |
| 20 | | 50 | 50 | 23.32 | 23.20 | 23.09 |
| 20 | | 100 | 0 | 23.37 | 23.21 | 23.12 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 23.46 | 23.51 | 23.38 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 21.98 | 21.96 | 21.67 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 19.87 | 19.86 | 19.55 |
| 20 | CP-OFDM QPSK | 1 | 1 | 22.90 | 22.87 | 22.61 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 22.30 | 22.39 | 21.99 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 20.90 | 20.85 | 20.56 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 17.86 | 17.85 | 17.57 |



| | | | | | | |
|-----------------|-----------------|---|---|--------|--------|--------|
| Channel | | | | 371500 | 376000 | 380500 |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.40 | 23.21 | 23.00 |
| Channel | | | | 371000 | 376000 | 381000 |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.41 | 23.31 | 23.12 |
| Channel | | | | 370500 | 376000 | 381500 |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.38 | 23.24 | 23.10 |

| B66_n2 (PC3) | | | | | | |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 23.42 | 23.40 | 23.32 |
| 20 | | 1 | 53 | 23.43 | 23.36 | 23.38 |
| 20 | | 1 | 104 | 23.47 | 23.43 | 23.43 |
| 20 | | 50 | 1 | 23.10 | 23.06 | 23.00 |
| 20 | | 50 | 25 | 23.51 | 23.41 | 23.42 |
| 20 | | 50 | 50 | 23.13 | 23.02 | 23.03 |
| 20 | | 100 | 0 | 23.15 | 23.07 | 23.05 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.48 | 23.56 | 23.46 |
| 20 | | 1 | 53 | 23.48 | 23.42 | 23.41 |
| 20 | | 1 | 104 | 23.46 | 23.39 | 23.44 |
| 20 | | 50 | 1 | 23.40 | 23.40 | 23.35 |
| 20 | | 50 | 25 | 23.35 | 23.30 | 23.36 |
| 20 | | 50 | 50 | 22.52 | 22.51 | 22.56 |
| 20 | | 100 | 0 | 22.63 | 22.55 | 22.54 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 22.86 | 22.66 | 22.77 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 21.26 | 21.22 | 21.13 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 19.21 | 19.10 | 19.04 |
| 20 | CP-OFDM QPSK | 1 | 1 | 22.06 | 22.14 | 22.05 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 21.62 | 21.60 | 21.52 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 20.12 | 20.10 | 20.02 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 17.25 | 17.11 | 17.10 |
| Channel | | | | 371500 | 376000 | 380500 |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.48 | 23.45 | 23.44 |
| Channel | | | | 371000 | 376000 | 381000 |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.47 | 23.54 | 23.53 |



| | | | | | | |
|-----------------|-----------------|---|---|--------|--------|--------|
| Channel | | | | 370500 | 376000 | 381500 |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.54 | 23.51 | 23.52 |

| B2_n5 (PC3) | | | | | | |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 23.41 | 23.36 | 23.29 |
| 20 | | 1 | 53 | 23.32 | 23.41 | 23.45 |
| 20 | | 1 | 104 | 23.31 | 23.22 | 23.29 |
| 20 | | 50 | 1 | 23.36 | 23.41 | 23.35 |
| 20 | | 50 | 25 | 23.40 | 23.39 | 23.50 |
| 20 | | 50 | 50 | 23.41 | 23.37 | 23.39 |
| 20 | | 100 | 0 | 23.39 | 23.37 | 23.47 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.54 | 23.63 | 23.53 |
| 20 | | 1 | 53 | 23.39 | 23.47 | 23.46 |
| 20 | | 1 | 104 | 23.35 | 23.33 | 23.19 |
| 20 | | 50 | 1 | 23.33 | 23.49 | 23.35 |
| 20 | | 50 | 25 | 23.36 | 23.40 | 23.48 |
| 20 | | 50 | 50 | 23.40 | 23.37 | 23.34 |
| 20 | | 100 | 0 | 23.38 | 23.34 | 23.47 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 23.61 | 23.55 | 23.58 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 22.03 | 22.09 | 22.08 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 19.87 | 19.92 | 19.88 |
| 20 | CP-OFDM QPSK | 1 | 1 | 22.92 | 22.98 | 22.96 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 22.26 | 22.28 | 22.28 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 21.07 | 20.99 | 20.93 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 17.92 | 17.96 | 17.88 |
| Channel | | | | 166300 | 167300 | 168300 |
| Frequency (MHz) | | | | 831.5 | 836.5 | 841.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.43 | 23.40 | 23.47 |
| Channel | | | | 165800 | 167300 | 168800 |
| Frequency (MHz) | | | | 829 | 836.5 | 844 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.38 | 23.43 | 23.48 |
| Channel | | | | 165300 | 167300 | 169300 |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.54 | 23.41 | 23.42 |



| B48_n5 (PC3) | | | | | | |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 23.40 | 23.34 | 23.31 |
| 20 | | 1 | 53 | 23.27 | 23.38 | 23.42 |
| 20 | | 1 | 104 | 23.28 | 23.18 | 23.27 |
| 20 | | 50 | 1 | 23.28 | 23.34 | 23.36 |
| 20 | | 50 | 25 | 23.39 | 23.50 | 23.45 |
| 20 | | 50 | 50 | 23.38 | 23.35 | 23.36 |
| 20 | | 100 | 0 | 23.39 | 23.47 | 23.43 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.52 | 23.60 | 23.45 |
| 20 | | 1 | 53 | 23.33 | 23.45 | 23.47 |
| 20 | | 1 | 104 | 23.34 | 23.39 | 23.30 |
| 20 | | 50 | 1 | 23.29 | 23.51 | 23.35 |
| 20 | | 50 | 25 | 23.34 | 23.47 | 23.45 |
| 20 | | 50 | 50 | 23.38 | 23.37 | 23.34 |
| 20 | 100 | 0 | 23.38 | 23.34 | 23.44 | |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 23.57 | 23.54 | 23.58 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 22.07 | 22.09 | 22.01 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 19.90 | 19.93 | 19.85 |
| 20 | CP-OFDM QPSK | 1 | 1 | 22.89 | 23.00 | 22.92 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 22.30 | 22.31 | 22.29 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 20.94 | 20.99 | 20.95 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 17.92 | 17.94 | 17.87 |
| Channel | | | | 166300 | 167300 | 168300 |
| Frequency (MHz) | | | | 831.5 | 836.5 | 841.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.41 | 23.42 | 23.44 |
| Channel | | | | 165800 | 167300 | 168800 |
| Frequency (MHz) | | | | 829 | 836.5 | 844 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.40 | 23.39 | 23.47 |
| Channel | | | | 165300 | 167300 | 169300 |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.40 | 23.45 | 23.42 |



| B66_n5 (PC3) | | | | | | |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 23.53 | 23.58 | 23.51 |
| 20 | | 1 | 53 | 23.57 | 23.58 | 23.66 |
| 20 | | 1 | 104 | 23.62 | 23.53 | 23.52 |
| 20 | | 50 | 1 | 23.67 | 23.66 | 23.67 |
| 20 | | 50 | 25 | 23.71 | 23.66 | 23.67 |
| 20 | | 50 | 50 | 23.64 | 23.72 | 23.64 |
| 20 | | 100 | 0 | 23.72 | 23.68 | 23.64 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.60 | 23.82 | 23.55 |
| 20 | | 1 | 53 | 23.61 | 23.60 | 23.71 |
| 20 | | 1 | 104 | 23.54 | 23.57 | 23.56 |
| 20 | | 50 | 1 | 23.54 | 23.61 | 23.55 |
| 20 | | 50 | 25 | 23.57 | 23.54 | 23.61 |
| 20 | | 50 | 50 | 23.61 | 23.59 | 23.61 |
| 20 | | 100 | 0 | 23.59 | 23.55 | 23.54 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 23.81 | 23.78 | 23.75 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 22.25 | 22.32 | 22.28 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 20.22 | 20.25 | 20.16 |
| 20 | CP-OFDM QPSK | 1 | 1 | 23.15 | 23.20 | 23.20 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 22.51 | 22.53 | 22.47 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 21.19 | 21.22 | 21.16 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 18.22 | 18.28 | 18.18 |
| Channel | | | | 166300 | 167300 | 168300 |
| Frequency (MHz) | | | | 831.5 | 836.5 | 841.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.58 | 23.57 | 23.56 |
| Channel | | | | 165800 | 167300 | 168800 |
| Frequency (MHz) | | | | 829 | 836.5 | 844 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.42 | 23.35 | 23.43 |
| Channel | | | | 165300 | 167300 | 169300 |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.49 | 23.44 | 23.41 |



| B2_n66 (PC3) | | | | | | |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel | | | | 345000 | 349000 | 353000 |
| Frequency (MHz) | | | | 1725 | 1745 | 1765 |
| 30 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | 23.87 | 23.82 | 23.71 |
| 30 | | 1 | 80 | 23.88 | 23.80 | 23.52 |
| 30 | | 1 | 158 | 23.77 | 23.54 | 23.52 |
| 30 | | 80 | 1 | 23.67 | 23.56 | 23.17 |
| 30 | | 80 | 40 | 23.83 | 23.76 | 23.57 |
| 30 | | 80 | 80 | 23.53 | 23.33 | 23.32 |
| 30 | | 160 | 0 | 23.55 | 23.56 | 23.20 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 23.87 | 23.92 | 23.70 |
| 30 | | 1 | 80 | 23.85 | 23.72 | 23.51 |
| 30 | | 1 | 158 | 23.47 | 23.50 | 23.44 |
| 30 | | 80 | 1 | 23.80 | 23.83 | 23.68 |
| 30 | | 80 | 40 | 23.82 | 23.78 | 23.57 |
| 30 | | 80 | 80 | 22.59 | 22.81 | 22.67 |
| 30 | | 160 | 0 | 23.15 | 22.91 | 22.78 |
| 30 | DFT-s-OFDM 16QAM | 1 | 1 | 23.32 | 23.22 | 23.06 |
| 30 | DFT-s-OFDM 64QAM | 1 | 1 | 20.89 | 21.43 | 21.33 |
| 30 | DFT-s-OFDM 256QAM | 1 | 1 | 19.54 | 19.37 | 19.38 |
| 30 | CP-OFDM QPSK | 1 | 1 | 22.57 | 22.36 | 22.24 |
| 30 | CP-OFDM 16QAM | 1 | 1 | 22.12 | 21.81 | 21.72 |
| 30 | CP-OFDM 64QAM | 1 | 1 | 20.59 | 20.40 | 20.35 |
| 30 | CP-OFDM 256QAM | 1 | 1 | 17.62 | 17.41 | 17.35 |
| Channel | | | | 344000 | 349000 | 354000 |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.89 | 23.88 | 23.56 |
| Channel | | | | 343500 | 349000 | 354500 |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.83 | 23.86 | 23.63 |
| Channel | | | | 343000 | 349000 | 355000 |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.70 | 23.87 | 23.76 |
| Channel | | | | 342500 | 349000 | 355500 |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.86 | 23.84 | 23.69 |



| B5_n66 (PC3) | | | | | | |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel | | | | 345000 | 349000 | 353000 |
| Frequency (MHz) | | | | 1725 | 1745 | 1765 |
| 30 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | 23.21 | 23.24 | 23.12 |
| 30 | | 1 | 80 | 23.26 | 23.18 | 23.15 |
| 30 | | 1 | 158 | 23.28 | 23.03 | 23.21 |
| 30 | | 80 | 1 | 23.39 | 23.27 | 23.12 |
| 30 | | 80 | 40 | 23.33 | 23.15 | 23.22 |
| 30 | | 80 | 80 | 23.31 | 23.22 | 23.30 |
| 30 | | 160 | 0 | 23.37 | 23.25 | 23.31 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 23.31 | 23.56 | 23.40 |
| 30 | | 1 | 80 | 23.34 | 23.37 | 23.23 |
| 30 | | 1 | 158 | 23.33 | 23.30 | 23.22 |
| 30 | | 80 | 1 | 23.28 | 23.39 | 23.18 |
| 30 | | 80 | 40 | 23.34 | 23.21 | 23.23 |
| 30 | | 80 | 80 | 23.37 | 23.25 | 23.30 |
| 30 | | 160 | 0 | 23.37 | 23.25 | 23.26 |
| 30 | DFT-s-OFDM 16QAM | 1 | 1 | 23.46 | 23.48 | 23.45 |
| 30 | DFT-s-OFDM 64QAM | 1 | 1 | 21.97 | 22.00 | 21.92 |
| 30 | DFT-s-OFDM 256QAM | 1 | 1 | 19.92 | 19.88 | 19.76 |
| 30 | CP-OFDM QPSK | 1 | 1 | 22.85 | 22.91 | 22.77 |
| 30 | CP-OFDM 16QAM | 1 | 1 | 22.24 | 22.27 | 22.21 |
| 30 | CP-OFDM 64QAM | 1 | 1 | 20.89 | 20.90 | 20.80 |
| 30 | CP-OFDM 256QAM | 1 | 1 | 17.82 | 17.85 | 17.75 |
| Channel | | | | 344000 | 349000 | 354000 |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.27 | 23.08 | 22.91 |
| Channel | | | | 343500 | 349000 | 354500 |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.23 | 23.29 | 23.24 |
| Channel | | | | 343000 | 349000 | 355000 |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.42 | 23.31 | 23.26 |
| Channel | | | | 342500 | 349000 | 355500 |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.35 | 23.33 | 23.22 |



| B13_n66 (PC3) | | | | | | |
|-----------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel | | | | 345000 | 349000 | 353000 |
| Frequency (MHz) | | | | 1725 | 1745 | 1765 |
| 30 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | 23.26 | 23.29 | 23.21 |
| 30 | | 1 | 80 | 23.32 | 23.25 | 23.19 |
| 30 | | 1 | 158 | 23.30 | 23.11 | 23.16 |
| 30 | | 80 | 1 | 23.33 | 23.27 | 23.24 |
| 30 | | 80 | 40 | 23.37 | 23.20 | 23.25 |
| 30 | | 80 | 80 | 23.38 | 23.30 | 23.31 |
| 30 | | 160 | 0 | 23.45 | 23.24 | 23.34 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 23.35 | 23.58 | 23.40 |
| 30 | | 1 | 80 | 23.40 | 23.38 | 23.23 |
| 30 | | 1 | 158 | 23.26 | 23.34 | 23.26 |
| 30 | | 80 | 1 | 23.36 | 23.51 | 23.43 |
| 30 | | 80 | 40 | 23.41 | 23.30 | 23.29 |
| 30 | | 80 | 80 | 23.42 | 23.26 | 23.33 |
| 30 | | 160 | 0 | 23.48 | 23.27 | 23.27 |
| 30 | DFT-s-OFDM 16QAM | 1 | 1 | 23.53 | 23.56 | 23.49 |
| 30 | DFT-s-OFDM 64QAM | 1 | 1 | 22.02 | 22.02 | 21.93 |
| 30 | DFT-s-OFDM 256QAM | 1 | 1 | 19.99 | 19.97 | 19.85 |
| 30 | CP-OFDM QPSK | 1 | 1 | 22.93 | 22.95 | 22.83 |
| 30 | CP-OFDM 16QAM | 1 | 1 | 22.26 | 22.23 | 22.19 |
| 30 | CP-OFDM 64QAM | 1 | 1 | 20.96 | 20.93 | 20.85 |
| 30 | CP-OFDM 256QAM | 1 | 1 | 17.90 | 17.92 | 17.83 |
| Channel | | | | 344000 | 349000 | 354000 |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 23.08 | 23.25 | 23.21 |
| Channel | | | | 343500 | 349000 | 354500 |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 |
| 15 | DFT-s-OFDM QPSK | 1 | 1 | 23.32 | 23.22 | 23.19 |
| Channel | | | | 343000 | 349000 | 355000 |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 |
| 10 | DFT-s-OFDM QPSK | 1 | 1 | 23.44 | 23.34 | 23.35 |
| Channel | | | | 342500 | 349000 | 355500 |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 |
| 5 | DFT-s-OFDM QPSK | 1 | 1 | 23.44 | 23.29 | 23.32 |



| B2_n77(3450-3550MHz) (PC2) | | | | | | |
|----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel | | | | / | 633334 | / |
| Frequency (MHz) | | | | / | 3500.01 | / |
| 100 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | / | 27.05 | / |
| 100 | | 1 | 136 | / | 26.86 | / |
| 100 | | 1 | 271 | / | 26.60 | / |
| 100 | | 135 | 1 | / | 22.12 | / |
| 100 | | 135 | 67 | / | 26.90 | / |
| 100 | | 135 | 136 | / | 26.09 | / |
| 100 | | 270 | 0 | / | 26.48 | / |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | / | 27.10 | / |
| 100 | | 1 | 136 | / | 26.89 | / |
| 100 | | 1 | 271 | / | 26.56 | / |
| 100 | | 135 | 1 | / | 26.92 | / |
| 100 | | 135 | 67 | / | 26.90 | / |
| 100 | | 135 | 136 | / | 25.59 | / |
| 100 | | 270 | 0 | / | 26.01 | / |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | / | 27.06 | / |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | / | 24.65 | / |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | / | 22.38 | / |
| 100 | CP-OFDM QPSK | 1 | 1 | / | 25.55 | / |
| 100 | CP-OFDM 16QAM | 1 | 1 | / | 24.80 | / |
| 100 | CP-OFDM 64QAM | 1 | 1 | / | 23.58 | / |
| 100 | CP-OFDM 256QAM | 1 | 1 | / | 20.47 | / |
| Channel | | | | 632668 | 633334 | 634000 |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 |
| 80 | DFT-s-OFDM QPSK | 1 | 1 | 26.95 | 27.00 | 26.95 |
| Channel | | | | 632000 | 633334 | 634666 |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3519.99 |
| 60 | DFT-s-OFDM QPSK | 1 | 1 | 27.04 | 27.05 | 27.09 |
| Channel | | | | 631334 | 633334 | 635332 |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3529.98 |
| 40 | DFT-s-OFDM QPSK | 1 | 1 | 27.07 | 27.00 | 27.09 |
| Channel | | | | 631000 | 633334 | 635666 |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3534.99 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 27.05 | 27.08 | 26.84 |
| Channel | | | | 630668 | 633334 | 636000 |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 27.02 | 27.07 | 26.66 |



| B5_n77(3450-3550MHz) (PC2) | | | | | | |
|----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel | | | | / | 633334 | / |
| Frequency (MHz) | | | | / | 3500.01 | / |
| 100 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | / | 26.56 | / |
| 100 | | 1 | 136 | / | 26.17 | / |
| 100 | | 1 | 271 | / | 26.04 | / |
| 100 | | 135 | 1 | / | 25.92 | / |
| 100 | | 135 | 67 | / | 26.28 | / |
| 100 | | 135 | 136 | / | 25.47 | / |
| 100 | | 270 | 0 | / | 25.84 | / |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | / | 26.63 | / |
| 100 | | 1 | 136 | / | 26.19 | / |
| 100 | | 1 | 271 | / | 25.95 | / |
| 100 | | 135 | 1 | / | 26.50 | / |
| 100 | | 135 | 67 | / | 26.15 | / |
| 100 | | 135 | 136 | / | 25.10 | / |
| 100 | | 270 | 0 | / | 25.09 | / |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | / | 24.69 | / |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | / | 23.59 | / |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | / | 21.57 | / |
| 100 | CP-OFDM QPSK | 1 | 1 | / | 24.05 | / |
| 100 | CP-OFDM 16QAM | 1 | 1 | / | 23.63 | / |
| 100 | CP-OFDM 64QAM | 1 | 1 | / | 23.15 | / |
| 100 | CP-OFDM 256QAM | 1 | 1 | / | 19.92 | / |
| Channel | | | | 632668 | 633334 | 634000 |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 |
| 80 | DFT-s-OFDM QPSK | 1 | 1 | 26.29 | 26.24 | 26.20 |
| Channel | | | | 632000 | 633334 | 634666 |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3519.99 |
| 60 | DFT-s-OFDM QPSK | 1 | 1 | 26.05 | 25.98 | 26.12 |
| Channel | | | | 631334 | 633334 | 635332 |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3529.98 |
| 40 | DFT-s-OFDM QPSK | 1 | 1 | 26.42 | 26.15 | 26.17 |
| Channel | | | | 631000 | 633334 | 635666 |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3534.99 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 26.47 | 26.32 | 26.21 |
| Channel | | | | 630668 | 633334 | 636000 |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 26.37 | 26.24 | 26.04 |



| B13_n77(3450-3550MHz) (PC2) | | | | | | |
|-----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel | | | | / | 633334 | / |
| Frequency (MHz) | | | | / | 3500.01 | / |
| 100 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | / | 26.46 | / |
| 100 | | 1 | 136 | / | 26.23 | / |
| 100 | | 1 | 271 | / | 26.03 | / |
| 100 | | 135 | 1 | / | 25.83 | / |
| 100 | | 135 | 67 | / | 26.29 | / |
| 100 | | 135 | 136 | / | 25.41 | / |
| 100 | | 270 | 0 | / | 25.88 | / |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | / | 26.51 | / |
| 100 | | 1 | 136 | / | 26.10 | / |
| 100 | | 1 | 271 | / | 25.87 | / |
| 100 | | 135 | 1 | / | 26.35 | / |
| 100 | | 135 | 67 | / | 26.07 | / |
| 100 | | 135 | 136 | / | 24.86 | / |
| 100 | | 270 | 0 | / | 24.99 | / |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | / | 25.60 | / |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | / | 24.29 | / |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | / | 21.46 | / |
| 100 | CP-OFDM QPSK | 1 | 1 | / | 23.98 | / |
| 100 | CP-OFDM 16QAM | 1 | 1 | / | 23.57 | / |
| 100 | CP-OFDM 64QAM | 1 | 1 | / | 23.08 | / |
| 100 | CP-OFDM 256QAM | 1 | 1 | / | 19.84 | / |
| Channel | | | | 632668 | 633334 | 634000 |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 |
| 80 | DFT-s-OFDM QPSK | 1 | 1 | 26.17 | 26.12 | 26.09 |
| Channel | | | | 632000 | 633334 | 634666 |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3519.99 |
| 60 | DFT-s-OFDM QPSK | 1 | 1 | 25.91 | 25.85 | 25.98 |
| Channel | | | | 631334 | 633334 | 635332 |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3529.98 |
| 40 | DFT-s-OFDM QPSK | 1 | 1 | 26.25 | 26.00 | 26.04 |
| Channel | | | | 631000 | 633334 | 635666 |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3534.99 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 26.35 | 26.15 | 26.04 |
| Channel | | | | 630668 | 633334 | 636000 |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 26.21 | 26.05 | 25.85 |



| B66_n77(3450-3550MHz) (PC2) | | | | | | |
|-----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | RB start | Low Channel | Middle Channel | High Channel |
| Channel | | | | / | 633334 | / |
| Frequency (MHz) | | | | / | 3500.01 | / |
| 100 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | / | 27.01 | / |
| 100 | | 1 | 136 | / | 26.87 | / |
| 100 | | 1 | 271 | / | 21.72 | / |
| 100 | | 135 | 1 | / | 26.50 | / |
| 100 | | 135 | 67 | / | 26.90 | / |
| 100 | | 135 | 136 | / | 26.07 | / |
| 100 | | 270 | 0 | / | 21.95 | / |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | / | 27.03 | / |
| 100 | | 1 | 136 | / | 26.82 | / |
| 100 | | 1 | 271 | / | 21.58 | / |
| 100 | | 135 | 1 | / | 26.54 | / |
| 100 | | 135 | 67 | / | 23.50 | / |
| 100 | | 135 | 136 | / | 25.57 | / |
| 100 | | 270 | 0 | / | 25.98 | / |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | / | 26.12 | / |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | / | 24.64 | / |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | / | 22.56 | / |
| 100 | CP-OFDM QPSK | 1 | 1 | / | 25.58 | / |
| 100 | CP-OFDM 16QAM | 1 | 1 | / | 24.99 | / |
| 100 | CP-OFDM 64QAM | 1 | 1 | / | 23.63 | / |
| 100 | CP-OFDM 256QAM | 1 | 1 | / | 20.38 | / |
| Channel | | | | 632668 | 633334 | 634000 |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 |
| 80 | DFT-s-OFDM QPSK | 1 | 1 | 26.98 | 26.95 | 26.92 |
| Channel | | | | 632000 | 633334 | 634666 |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3519.99 |
| 60 | DFT-s-OFDM QPSK | 1 | 1 | 26.99 | 27.01 | 27.02 |
| Channel | | | | 631334 | 633334 | 635332 |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3529.98 |
| 40 | DFT-s-OFDM QPSK | 1 | 1 | 26.95 | 26.97 | 26.78 |
| Channel | | | | 631000 | 633334 | 635666 |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3534.99 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 26.97 | 27.01 | 26.83 |
| Channel | | | | 630668 | 633334 | 636000 |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 27.00 | 26.99 | 26.64 |



| B2_n77(3700-3980MHz) (PC2) | | | | | | |
|----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 27.24 | 26.11 | 25.74 |
| 100 | | 1 | 136 | 27.69 | 26.16 | 25.13 |
| 100 | | 1 | 271 | 21.57 | 21.38 | 25.72 |
| 100 | | 135 | 1 | 27.29 | 26.63 | 26.89 |
| 100 | | 135 | 67 | 27.60 | 26.30 | 26.12 |
| 100 | | 135 | 136 | 27.30 | 26.38 | 25.94 |
| 100 | | 270 | 0 | 27.20 | 26.74 | 26.80 |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | 27.49 | 27.70 | 27.40 |
| 100 | | 1 | 136 | 27.67 | 26.99 | 26.82 |
| 100 | | 1 | 271 | 27.45 | 26.70 | 26.67 |
| 100 | | 135 | 1 | 25.34 | 25.07 | 25.36 |
| 100 | | 135 | 67 | 27.60 | 26.28 | 26.14 |
| 100 | | 135 | 136 | 21.63 | 21.52 | 21.40 |
| 100 | | 270 | 0 | 26.69 | 26.21 | 26.27 |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | 26.37 | 26.08 | 26.61 |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | 25.02 | 24.52 | 24.15 |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | 22.70 | 22.58 | 22.22 |
| 100 | CP-OFDM QPSK | 1 | 1 | 25.76 | 25.43 | 25.05 |
| 100 | CP-OFDM 16QAM | 1 | 1 | 23.36 | 22.98 | 22.58 |
| 100 | CP-OFDM 64QAM | 1 | 1 | 23.96 | 24.55 | 24.16 |
| 100 | CP-OFDM 256QAM | 1 | 1 | 20.68 | 19.60 | 19.22 |
| Channel | | | | 649334 | 656000 | 662666 |
| Frequency (MHz) | | | | 3740.01 | 3840 | 3939.99 |
| 80 | DFT-s-OFDM QPSK | 1 | 1 | 27.36 | 25.74 | 25.03 |
| Channel | | | | 648668 | 656000 | 663332 |
| Frequency (MHz) | | | | 3730.02 | 3840 | 3949.98 |
| 60 | DFT-s-OFDM QPSK | 1 | 1 | 27.47 | 25.44 | 24.29 |
| Channel | | | | 648000 | 656000 | 664000 |
| Frequency (MHz) | | | | 3720 | 3840 | 3960 |
| 40 | DFT-s-OFDM QPSK | 1 | 1 | 27.40 | 25.59 | 23.05 |
| Channel | | | | 647668 | 656000 | 664332 |
| Frequency (MHz) | | | | 3715.02 | 3840 | 3964.98 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 27.29 | 25.56 | 23.20 |
| Channel | | | | 647334 | 656000 | 664666 |
| Frequency (MHz) | | | | 3710.01 | 3840 | 3969.99 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 27.59 | 25.68 | 23.00 |



| B5_n77(3700-3980MHz) (PC2) | | | | | | |
|----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 26.48 | 26.08 | 26.26 |
| 100 | | 1 | 136 | 25.94 | 25.12 | 25.16 |
| 100 | | 1 | 271 | 25.80 | 25.98 | 25.11 |
| 100 | | 135 | 1 | 25.91 | 25.58 | 25.66 |
| 100 | | 135 | 67 | 25.89 | 25.32 | 25.94 |
| 100 | | 135 | 136 | 25.25 | 25.46 | 25.58 |
| 100 | | 270 | 0 | 25.59 | 25.76 | 25.51 |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | 26.44 | 26.53 | 26.23 |
| 100 | | 1 | 136 | 25.90 | 26.10 | 25.01 |
| 100 | | 1 | 271 | 25.59 | 25.69 | 25.03 |
| 100 | | 135 | 1 | 25.93 | 26.25 | 25.81 |
| 100 | | 135 | 67 | 25.96 | 25.30 | 24.96 |
| 100 | | 135 | 136 | 24.81 | 24.51 | 24.05 |
| 100 | | 270 | 0 | 25.11 | 24.94 | 24.97 |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | 25.15 | 24.95 | 24.17 |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | 23.63 | 22.47 | 22.69 |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | 21.50 | 20.56 | 20.73 |
| 100 | CP-OFDM QPSK | 1 | 1 | 24.59 | 23.39 | 23.58 |
| 100 | CP-OFDM 16QAM | 1 | 1 | 24.11 | 23.94 | 23.17 |
| 100 | CP-OFDM 64QAM | 1 | 1 | 22.71 | 22.52 | 22.69 |
| 100 | CP-OFDM 256QAM | 1 | 1 | 19.57 | 19.55 | 19.75 |
| Channel | | | | 649334 | 656000 | 662666 |
| Frequency (MHz) | | | | 3740.01 | 3840 | 3939.99 |
| 80 | DFT-s-OFDM QPSK | 1 | 1 | 26.07 | 25.57 | 25.64 |
| Channel | | | | 648668 | 656000 | 663332 |
| Frequency (MHz) | | | | 3730.02 | 3840 | 3949.98 |
| 60 | DFT-s-OFDM QPSK | 1 | 1 | 26.15 | 25.23 | 25.97 |
| Channel | | | | 648000 | 656000 | 664000 |
| Frequency (MHz) | | | | 3720 | 3840 | 3960 |
| 40 | DFT-s-OFDM QPSK | 1 | 1 | 26.07 | 25.40 | 25.80 |
| Channel | | | | 647668 | 656000 | 664332 |
| Frequency (MHz) | | | | 3715.02 | 3840 | 3964.98 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 26.38 | 25.41 | 25.95 |
| Channel | | | | 647334 | 656000 | 664666 |
| Frequency (MHz) | | | | 3710.01 | 3840 | 3969.99 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 26.31 | 25.54 | 25.66 |



| B13_n77(3700-3980MHz) (PC2) | | | | | | |
|-----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 26.02 | 26.00 | 26.19 |
| 100 | | 1 | 136 | 25.91 | 26.12 | 25.93 |
| 100 | | 1 | 271 | 25.68 | 25.92 | 26.03 |
| 100 | | 135 | 1 | 25.95 | 25.46 | 25.60 |
| 100 | | 135 | 67 | 25.99 | 26.25 | 25.91 |
| 100 | | 135 | 136 | 25.30 | 25.38 | 25.52 |
| 100 | | 270 | 0 | 25.60 | 25.70 | 25.43 |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | 26.33 | 26.39 | 26.07 |
| 100 | | 1 | 136 | 25.97 | 25.03 | 24.84 |
| 100 | | 1 | 271 | 25.62 | 24.84 | 24.99 |
| 100 | | 135 | 1 | 26.01 | 26.09 | 25.69 |
| 100 | | 135 | 67 | 25.97 | 25.19 | 24.90 |
| 100 | | 135 | 136 | 24.81 | 25.08 | 25.01 |
| 100 | | 270 | 0 | 25.08 | 24.96 | 24.72 |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | 25.11 | 25.32 | 25.19 |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | 23.59 | 23.43 | 22.66 |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | 21.58 | 21.49 | 20.70 |
| 100 | CP-OFDM QPSK | 1 | 1 | 24.63 | 24.32 | 23.53 |
| 100 | CP-OFDM 16QAM | 1 | 1 | 24.13 | 23.87 | 23.13 |
| 100 | CP-OFDM 64QAM | 1 | 1 | 22.67 | 22.38 | 22.54 |
| 100 | CP-OFDM 256QAM | 1 | 1 | 19.58 | 19.48 | 19.70 |
| Channel | | | | 649334 | 656000 | 662666 |
| Frequency (MHz) | | | | 3740.01 | 3840 | 3939.99 |
| 80 | DFT-s-OFDM QPSK | 1 | 1 | 25.93 | 25.48 | 24.55 |
| Channel | | | | 648668 | 656000 | 663332 |
| Frequency (MHz) | | | | 3730.02 | 3840 | 3949.98 |
| 60 | DFT-s-OFDM QPSK | 1 | 1 | 26.11 | 25.74 | 25.90 |
| Channel | | | | 648000 | 656000 | 664000 |
| Frequency (MHz) | | | | 3720 | 3840 | 3960 |
| 40 | DFT-s-OFDM QPSK | 1 | 1 | 26.37 | 25.29 | 25.70 |
| Channel | | | | 647668 | 656000 | 664332 |
| Frequency (MHz) | | | | 3715.02 | 3840 | 3964.98 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 26.03 | 25.31 | 25.85 |
| Channel | | | | 647334 | 656000 | 664666 |
| Frequency (MHz) | | | | 3710.01 | 3840 | 3969.99 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 26.21 | 25.41 | 25.57 |



| B66_n77(3700-3980MHz) (PC2) | | | | | | |
|-----------------------------|----------------------|--------|----------|-------------|----------------|--------------|
| BW [MHz] | Modulation | RB num | 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 | 27.14 | 26.05 | 25.69 |
| 100 | | 1 | 136 | 27.23 | 26.10 | 25.09 |
| 100 | | 1 | 271 | 25.98 | 25.37 | 25.67 |
| 100 | | 135 | 1 | 27.12 | 26.56 | 25.08 |
| 100 | | 135 | 67 | 27.02 | 26.53 | 25.10 |
| 100 | | 135 | 136 | 27.31 | 26.34 | 26.89 |
| 100 | | 270 | 0 | 27.21 | 26.69 | 26.75 |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | 27.19 | 27.33 | 27.26 |
| 100 | | 1 | 136 | 27.12 | 26.03 | 26.00 |
| 100 | | 1 | 271 | 27.22 | 26.65 | 26.64 |
| 100 | | 135 | 1 | 26.85 | 26.89 | 26.72 |
| 100 | | 135 | 67 | 27.11 | 25.23 | 25.10 |
| 100 | | 135 | 136 | 26.70 | 25.81 | 25.35 |
| 100 | | 270 | 0 | 26.71 | 25.17 | 25.23 |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | 26.36 | 26.45 | 25.84 |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | 23.23 | 23.45 | 23.14 |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | 19.88 | 20.56 | 20.18 |
| 100 | CP-OFDM QPSK | 1 | 1 | 23.77 | 23.50 | 23.32 |
| 100 | CP-OFDM 16QAM | 1 | 1 | 23.28 | 23.43 | 22.56 |
| 100 | CP-OFDM 64QAM | 1 | 1 | 20.05 | 22.48 | 22.13 |
| 100 | CP-OFDM 256QAM | 1 | 1 | 20.71 | 19.54 | 19.18 |
| Channel | | | | 649334 | 656000 | 662666 |
| Frequency (MHz) | | | | 3740.01 | 3840 | 3939.99 |
| 80 | DFT-s-OFDM QPSK | 1 | 1 | 25.37 | 25.64 | 24.93 |
| Channel | | | | 648668 | 656000 | 663332 |
| Frequency (MHz) | | | | 3730.02 | 3840 | 3949.98 |
| 60 | DFT-s-OFDM QPSK | 1 | 1 | 25.39 | 25.33 | 24.20 |
| Channel | | | | 648000 | 656000 | 664000 |
| Frequency (MHz) | | | | 3720 | 3840 | 3960 |
| 40 | DFT-s-OFDM QPSK | 1 | 1 | 25.79 | 25.47 | 24.92 |
| Channel | | | | 647668 | 656000 | 664332 |
| Frequency (MHz) | | | | 3715.02 | 3840 | 3964.98 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 25.62 | 25.42 | 25.07 |
| Channel | | | | 647334 | 656000 | 664666 |
| Frequency (MHz) | | | | 3710.01 | 3840 | 3969.99 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 25.58 | 25.59 | 25.31 |



Effective Radiated Power and Effective Isotropic Radiated Power:

| B5_n2 (PC3) | | | | | | | | | |
|-----------------|----------------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| 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 | | | | 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 | 24.60 | 0.288 | 24.53 | 0.284 | 24.36 | 0.273 |
| 20 | | 1 | 53 | 24.63 | 0.290 | 24.53 | 0.284 | 24.40 | 0.275 |
| 20 | | 1 | 104 | 24.59 | 0.288 | 24.49 | 0.281 | 24.39 | 0.275 |
| 20 | | 50 | 1 | 24.62 | 0.290 | 24.62 | 0.290 | 24.42 | 0.277 |
| 20 | | 50 | 25 | 24.69 | 0.294 | 24.60 | 0.288 | 24.41 | 0.276 |
| 20 | | 50 | 50 | 24.71 | 0.296 | 24.47 | 0.280 | 24.33 | 0.271 |
| 20 | | 100 | 0 | 24.66 | 0.292 | 24.61 | 0.289 | 24.41 | 0.276 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 24.84 | 0.305 | 24.92 | 0.310 | 24.89 | 0.308 |
| 20 | | 1 | 53 | 24.74 | 0.298 | 24.82 | 0.303 | 24.76 | 0.299 |
| 20 | | 1 | 104 | 24.62 | 0.290 | 24.59 | 0.288 | 24.53 | 0.284 |
| 20 | | 50 | 1 | 24.66 | 0.292 | 24.76 | 0.299 | 24.67 | 0.293 |
| 20 | | 50 | 25 | 24.71 | 0.296 | 24.61 | 0.289 | 24.56 | 0.286 |
| 20 | | 50 | 50 | 24.60 | 0.288 | 24.49 | 0.281 | 24.44 | 0.278 |
| 20 | | 100 | 0 | 24.67 | 0.293 | 24.59 | 0.288 | 24.48 | 0.281 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 24.87 | 0.307 | 24.85 | 0.305 | 24.69 | 0.294 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 23.35 | 0.216 | 23.27 | 0.212 | 23.11 | 0.205 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 21.20 | 0.132 | 21.14 | 0.130 | 20.92 | 0.124 |
| 20 | CP-OFDM QPSK | 1 | 1 | 24.33 | 0.271 | 24.21 | 0.264 | 24.05 | 0.254 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 23.65 | 0.232 | 23.56 | 0.227 | 23.37 | 0.217 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 22.31 | 0.170 | 22.16 | 0.164 | 21.98 | 0.158 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 19.27 | 0.085 | 19.16 | 0.082 | 18.99 | 0.079 |
| 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 | 24.68 | 0.294 | 24.58 | 0.287 | 24.40 | 0.275 |
| 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 | 24.84 | 0.305 | 24.59 | 0.288 | 24.42 | 0.277 |



| | | | | | | | | | |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| 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 | 24.81 | 0.303 | 24.63 | 0.290 | 24.53 | 0.284 |

| B13_n2 (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 | | | | 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 | 24.65 | 0.292 | 24.57 | 0.286 | 24.40 | 0.275 |
| 20 | | 1 | 53 | 24.64 | 0.291 | 24.58 | 0.287 | 24.32 | 0.270 |
| 20 | | 1 | 104 | 24.63 | 0.290 | 24.44 | 0.278 | 24.31 | 0.270 |
| 20 | | 50 | 1 | 24.68 | 0.294 | 24.60 | 0.288 | 24.39 | 0.275 |
| 20 | | 50 | 25 | 24.74 | 0.298 | 24.61 | 0.289 | 24.47 | 0.280 |
| 20 | | 50 | 50 | 24.68 | 0.294 | 24.51 | 0.282 | 24.40 | 0.275 |
| 20 | | 100 | 0 | 24.72 | 0.296 | 24.56 | 0.286 | 24.41 | 0.276 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 24.75 | 0.299 | 24.90 | 0.309 | 24.64 | 0.291 |
| 20 | | 1 | 53 | 24.55 | 0.285 | 24.68 | 0.294 | 24.56 | 0.286 |
| 20 | | 1 | 104 | 24.54 | 0.284 | 24.54 | 0.284 | 24.50 | 0.282 |
| 20 | | 50 | 1 | 24.66 | 0.292 | 24.75 | 0.299 | 24.60 | 0.288 |
| 20 | | 50 | 25 | 24.74 | 0.298 | 24.55 | 0.285 | 24.50 | 0.282 |
| 20 | | 50 | 50 | 24.67 | 0.293 | 24.55 | 0.285 | 24.44 | 0.278 |
| 20 | | 100 | 0 | 24.72 | 0.296 | 24.56 | 0.286 | 24.47 | 0.280 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 24.81 | 0.303 | 24.86 | 0.306 | 24.73 | 0.297 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 23.33 | 0.215 | 23.31 | 0.214 | 23.02 | 0.200 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 21.22 | 0.132 | 21.21 | 0.132 | 20.90 | 0.123 |
| 20 | CP-OFDM QPSK | 1 | 1 | 24.25 | 0.266 | 24.22 | 0.264 | 23.96 | 0.249 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 23.65 | 0.232 | 23.74 | 0.237 | 23.34 | 0.216 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 22.25 | 0.168 | 22.20 | 0.166 | 21.91 | 0.155 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 19.21 | 0.083 | 19.20 | 0.083 | 18.92 | 0.078 |
| 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 | 24.75 | 0.299 | 24.56 | 0.286 | 24.35 | 0.272 |



| | | | | | | | | | |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| 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 | 24.76 | 0.299 | 24.66 | 0.292 | 24.47 | 0.280 |
| 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 | 24.73 | 0.297 | 24.59 | 0.288 | 24.45 | 0.279 |

| B66_n2 (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 | | | | 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 | 24.77 | 0.300 | 24.75 | 0.299 | 24.67 | 0.293 |
| 20 | | 1 | 53 | 24.78 | 0.301 | 24.71 | 0.296 | 24.73 | 0.297 |
| 20 | | 1 | 104 | 24.82 | 0.303 | 24.78 | 0.301 | 24.78 | 0.301 |
| 20 | | 50 | 1 | 24.45 | 0.279 | 24.41 | 0.276 | 24.35 | 0.272 |
| 20 | | 50 | 25 | 24.86 | 0.306 | 24.76 | 0.299 | 24.77 | 0.300 |
| 20 | | 50 | 50 | 24.48 | 0.281 | 24.37 | 0.274 | 24.38 | 0.274 |
| 20 | | 100 | 0 | 24.50 | 0.282 | 24.42 | 0.277 | 24.40 | 0.275 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 24.83 | 0.304 | 24.91 | 0.310 | 24.81 | 0.303 |
| 20 | | 1 | 53 | 24.83 | 0.304 | 24.77 | 0.300 | 24.76 | 0.299 |
| 20 | | 1 | 104 | 24.81 | 0.303 | 24.74 | 0.298 | 24.79 | 0.301 |
| 20 | | 50 | 1 | 24.75 | 0.299 | 24.75 | 0.299 | 24.70 | 0.295 |
| 20 | | 50 | 25 | 24.70 | 0.295 | 24.65 | 0.292 | 24.71 | 0.296 |
| 20 | | 50 | 50 | 23.87 | 0.244 | 23.86 | 0.243 | 23.91 | 0.246 |
| 20 | | 100 | 0 | 23.98 | 0.250 | 23.90 | 0.245 | 23.89 | 0.245 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 24.21 | 0.264 | 24.01 | 0.252 | 24.12 | 0.258 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 22.61 | 0.182 | 22.57 | 0.181 | 22.48 | 0.177 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 20.56 | 0.114 | 20.45 | 0.111 | 20.39 | 0.109 |
| 20 | CP-OFDM QPSK | 1 | 1 | 23.41 | 0.219 | 23.49 | 0.223 | 23.40 | 0.219 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 22.97 | 0.198 | 22.95 | 0.197 | 22.87 | 0.194 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 21.47 | 0.140 | 21.45 | 0.140 | 21.37 | 0.137 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 18.60 | 0.072 | 18.46 | 0.070 | 18.45 | 0.070 |



| | | | | | | | | | |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| 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 | 24.83 | 0.304 | 24.80 | 0.302 | 24.79 | 0.301 |
| 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 | 24.82 | 0.303 | 24.89 | 0.308 | 24.88 | 0.308 |
| 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 | 24.89 | 0.308 | 24.86 | 0.306 | 24.87 | 0.307 |

| B2_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 | 18.41 | 0.069 | 18.36 | 0.069 | 18.29 | 0.067 |
| 20 | | 1 | 53 | 18.32 | 0.068 | 18.41 | 0.069 | 18.45 | 0.070 |
| 20 | | 1 | 104 | 18.31 | 0.068 | 18.22 | 0.066 | 18.29 | 0.067 |
| 20 | | 50 | 1 | 18.36 | 0.069 | 18.41 | 0.069 | 18.35 | 0.068 |
| 20 | | 50 | 25 | 18.40 | 0.069 | 18.39 | 0.069 | 18.50 | 0.071 |
| 20 | | 50 | 50 | 18.41 | 0.069 | 18.37 | 0.069 | 18.39 | 0.069 |
| 20 | | 100 | 0 | 18.39 | 0.069 | 18.37 | 0.069 | 18.47 | 0.070 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 18.54 | 0.071 | 18.63 | 0.073 | 18.53 | 0.071 |
| 20 | | 1 | 53 | 18.39 | 0.069 | 18.47 | 0.070 | 18.46 | 0.070 |
| 20 | | 1 | 104 | 18.35 | 0.068 | 18.33 | 0.068 | 18.19 | 0.066 |
| 20 | | 50 | 1 | 18.33 | 0.068 | 18.49 | 0.071 | 18.35 | 0.068 |
| 20 | | 50 | 25 | 18.36 | 0.069 | 18.40 | 0.069 | 18.48 | 0.070 |
| 20 | | 50 | 50 | 18.40 | 0.069 | 18.37 | 0.069 | 18.34 | 0.068 |
| 20 | | 100 | 0 | 18.38 | 0.069 | 18.34 | 0.068 | 18.47 | 0.070 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 18.61 | 0.073 | 18.55 | 0.072 | 18.58 | 0.072 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 17.03 | 0.050 | 17.09 | 0.051 | 17.08 | 0.051 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 14.87 | 0.031 | 14.92 | 0.031 | 14.88 | 0.031 |
| 20 | CP-OFDM QPSK | 1 | 1 | 17.92 | 0.062 | 17.98 | 0.063 | 17.96 | 0.063 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 17.26 | 0.053 | 17.28 | 0.053 | 17.28 | 0.053 |



| | | | | | | | | | |
|-----------------|--------------------|---|---|--------|--------|--------|--------|--------|--------|
| 20 | CP-OFDM 64QAM | 1 | 1 | 16.07 | 0.040 | 15.99 | 0.040 | 15.93 | 0.039 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 12.92 | 0.020 | 12.96 | 0.020 | 12.88 | 0.019 |
| 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 | 18.43 | 0.070 | 18.40 | 0.069 | 18.47 | 0.070 |
| 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 | 18.38 | 0.069 | 18.43 | 0.070 | 18.48 | 0.070 |
| 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 | 18.54 | 0.071 | 18.41 | 0.069 | 18.42 | 0.070 |

| B48_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 | 18.40 | 0.069 | 18.34 | 0.068 | 18.31 | 0.068 |
| 20 | | 1 | 53 | 18.27 | 0.067 | 18.38 | 0.069 | 18.42 | 0.070 |
| 20 | | 1 | 104 | 18.28 | 0.067 | 18.18 | 0.066 | 18.27 | 0.067 |
| 20 | | 50 | 1 | 18.28 | 0.067 | 18.34 | 0.068 | 18.36 | 0.069 |
| 20 | | 50 | 25 | 18.39 | 0.069 | 18.50 | 0.071 | 18.45 | 0.070 |
| 20 | | 50 | 50 | 18.38 | 0.069 | 18.35 | 0.068 | 18.36 | 0.069 |
| 20 | | 100 | 0 | 18.39 | 0.069 | 18.47 | 0.070 | 18.43 | 0.070 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 18.52 | 0.071 | 18.60 | 0.072 | 18.45 | 0.070 |
| 20 | | 1 | 53 | 18.33 | 0.068 | 18.45 | 0.070 | 18.47 | 0.070 |
| 20 | | 1 | 104 | 18.34 | 0.068 | 18.39 | 0.069 | 18.30 | 0.068 |
| 20 | | 50 | 1 | 18.29 | 0.067 | 18.51 | 0.071 | 18.35 | 0.068 |
| 20 | | 50 | 25 | 18.34 | 0.068 | 18.47 | 0.070 | 18.45 | 0.070 |
| 20 | | 50 | 50 | 18.38 | 0.069 | 18.37 | 0.069 | 18.34 | 0.068 |
| 20 | | 100 | 0 | 18.38 | 0.069 | 18.34 | 0.068 | 18.44 | 0.070 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 18.57 | 0.072 | 18.54 | 0.071 | 18.58 | 0.072 |
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 17.07 | 0.051 | 17.09 | 0.051 | 17.01 | 0.050 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 14.90 | 0.031 | 14.93 | 0.031 | 14.85 | 0.031 |



| | | | | | | | | | |
|-----------------|-----------------|---|---|--------|--------|--------|--------|--------|--------|
| 20 | CP-OFDM QPSK | 1 | 1 | 17.89 | 0.062 | 18.00 | 0.063 | 17.92 | 0.062 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 17.30 | 0.054 | 17.31 | 0.054 | 17.29 | 0.054 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 15.94 | 0.039 | 15.99 | 0.040 | 15.95 | 0.039 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 12.92 | 0.020 | 12.94 | 0.020 | 12.87 | 0.019 |
| 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 | 18.41 | 0.069 | 18.42 | 0.070 | 18.44 | 0.070 |
| 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 | 18.40 | 0.069 | 18.39 | 0.069 | 18.47 | 0.070 |
| 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 | 18.40 | 0.069 | 18.45 | 0.070 | 18.42 | 0.070 |

| B66_n5 (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 | | | | 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 | 18.53 | 0.071 | 18.58 | 0.072 | 18.51 | 0.071 |
| 20 | | 1 | 53 | 18.57 | 0.072 | 18.58 | 0.072 | 18.66 | 0.073 |
| 20 | | 1 | 104 | 18.62 | 0.073 | 18.53 | 0.071 | 18.52 | 0.071 |
| 20 | | 50 | 1 | 18.67 | 0.074 | 18.66 | 0.073 | 18.67 | 0.074 |
| 20 | | 50 | 25 | 18.71 | 0.074 | 18.66 | 0.073 | 18.67 | 0.074 |
| 20 | | 50 | 50 | 18.64 | 0.073 | 18.72 | 0.074 | 18.64 | 0.073 |
| 20 | | 100 | 0 | 18.72 | 0.074 | 18.68 | 0.074 | 18.64 | 0.073 |
| 20 | DFT-s-OFDM QPSK | 1 | 1 | 18.60 | 0.072 | 18.82 | 0.076 | 18.55 | 0.072 |
| 20 | | 1 | 53 | 18.61 | 0.073 | 18.60 | 0.072 | 18.71 | 0.074 |
| 20 | | 1 | 104 | 18.54 | 0.071 | 18.57 | 0.072 | 18.56 | 0.072 |
| 20 | | 50 | 1 | 18.54 | 0.071 | 18.61 | 0.073 | 18.55 | 0.072 |
| 20 | | 50 | 25 | 18.57 | 0.072 | 18.54 | 0.071 | 18.61 | 0.073 |
| 20 | | 50 | 50 | 18.61 | 0.073 | 18.59 | 0.072 | 18.61 | 0.073 |
| 20 | | 100 | 0 | 18.59 | 0.072 | 18.55 | 0.072 | 18.54 | 0.071 |
| 20 | DFT-s-OFDM 16QAM | 1 | 1 | 18.81 | 0.076 | 18.78 | 0.076 | 18.75 | 0.075 |



| | | | | | | | | | |
|-----------------|----------------------|---|---|--------|--------|--------|--------|--------|--------|
| 20 | DFT-s-OFDM 64QAM | 1 | 1 | 17.25 | 0.053 | 17.32 | 0.054 | 17.28 | 0.053 |
| 20 | DFT-s-OFDM 256QAM | 1 | 1 | 15.22 | 0.033 | 15.25 | 0.033 | 15.16 | 0.033 |
| 20 | CP-OFDM QPSK | 1 | 1 | 18.15 | 0.065 | 18.20 | 0.066 | 18.20 | 0.066 |
| 20 | CP-OFDM 16QAM | 1 | 1 | 17.51 | 0.056 | 17.53 | 0.057 | 17.47 | 0.056 |
| 20 | CP-OFDM 64QAM | 1 | 1 | 16.19 | 0.042 | 16.22 | 0.042 | 16.16 | 0.041 |
| 20 | CP-OFDM 256QAM | 1 | 1 | 13.22 | 0.021 | 13.28 | 0.021 | 13.18 | 0.021 |
| 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 | 18.58 | 0.072 | 18.57 | 0.072 | 18.56 | 0.072 |
| 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 | 18.42 | 0.070 | 18.35 | 0.068 | 18.43 | 0.070 |
| 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 | 18.49 | 0.071 | 18.44 | 0.070 | 18.41 | 0.069 |

| B2_n66 (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 | | | | 345000 | 345000 | 349000 | 349000 | 353000 | 353000 |
| Frequency (MHz) | | | | 1725.00 | 1725.00 | 1745.00 | 1745.00 | 1765.00 | 1765.00 |
| 30 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | 24.76 | 0.299 | 24.71 | 0.296 | 24.60 | 0.288 |
| 30 | | 1 | 80 | 24.77 | 0.300 | 24.69 | 0.294 | 24.41 | 0.276 |
| 30 | | 1 | 158 | 24.66 | 0.292 | 24.43 | 0.277 | 24.41 | 0.276 |
| 30 | | 80 | 1 | 24.56 | 0.286 | 24.45 | 0.279 | 24.06 | 0.255 |
| 30 | | 80 | 40 | 24.72 | 0.296 | 24.65 | 0.292 | 24.46 | 0.279 |
| 30 | | 80 | 80 | 24.42 | 0.277 | 24.22 | 0.264 | 24.21 | 0.264 |
| 30 | | 160 | 0 | 24.44 | 0.278 | 24.45 | 0.279 | 24.09 | 0.256 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 24.76 | 0.299 | 24.81 | 0.303 | 24.59 | 0.288 |
| 30 | | 1 | 80 | 24.74 | 0.298 | 24.61 | 0.289 | 24.40 | 0.275 |
| 30 | | 1 | 158 | 24.36 | 0.273 | 24.39 | 0.275 | 24.33 | 0.271 |
| 30 | | 80 | 1 | 24.69 | 0.294 | 24.72 | 0.296 | 24.57 | 0.286 |
| 30 | | 80 | 40 | 24.71 | 0.296 | 24.67 | 0.293 | 24.46 | 0.279 |
| 30 | | 80 | 80 | 23.48 | 0.223 | 23.70 | 0.234 | 23.56 | 0.227 |



| | | | | | | | | | |
|-----------------|----------------------|-----|---|---------|---------|---------|---------|---------|---------|
| 30 | | 160 | 0 | 24.04 | 0.254 | 23.80 | 0.240 | 23.67 | 0.233 |
| 30 | DFT-s-OFDM 16QAM | 1 | 1 | 24.21 | 0.264 | 24.11 | 0.258 | 23.95 | 0.248 |
| 30 | DFT-s-OFDM 64QAM | 1 | 1 | 21.78 | 0.151 | 22.32 | 0.171 | 22.22 | 0.167 |
| 30 | DFT-s-OFDM 256QAM | 1 | 1 | 20.43 | 0.110 | 20.26 | 0.106 | 20.27 | 0.106 |
| 30 | CP-OFDM QPSK | 1 | 1 | 23.46 | 0.222 | 23.25 | 0.211 | 23.13 | 0.206 |
| 30 | CP-OFDM 16QAM | 1 | 1 | 23.01 | 0.200 | 22.70 | 0.186 | 22.61 | 0.182 |
| 30 | CP-OFDM 64QAM | 1 | 1 | 21.48 | 0.141 | 21.29 | 0.135 | 21.24 | 0.133 |
| 30 | CP-OFDM 256QAM | 1 | 1 | 18.51 | 0.071 | 18.30 | 0.068 | 18.24 | 0.067 |
| 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 QPSK | 1 | 1 | 24.78 | 0.301 | 24.77 | 0.300 | 24.45 | 0.279 |
| 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 QPSK | 1 | 1 | 24.72 | 0.296 | 24.75 | 0.299 | 24.52 | 0.283 |
| 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 QPSK | 1 | 1 | 24.59 | 0.288 | 24.76 | 0.299 | 24.65 | 0.292 |
| 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 QPSK | 1 | 1 | 24.75 | 0.299 | 24.73 | 0.297 | 24.58 | 0.287 |

| B5_n66 (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 | | | | 345000 | 345000 | 349000 | 349000 | 353000 | 353000 |
| Frequency (MHz) | | | | 1725.00 | 1725.00 | 1745.00 | 1745.00 | 1765.00 | 1765.00 |
| 30 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | 24.10 | 0.257 | 24.13 | 0.259 | 24.01 | 0.252 |
| 30 | | 1 | 80 | 24.15 | 0.260 | 24.07 | 0.255 | 24.04 | 0.254 |
| 30 | | 1 | 158 | 24.17 | 0.261 | 23.92 | 0.247 | 24.10 | 0.257 |
| 30 | | 80 | 1 | 24.28 | 0.268 | 24.16 | 0.261 | 24.01 | 0.252 |
| 30 | | 80 | 40 | 24.22 | 0.264 | 24.04 | 0.254 | 24.11 | 0.258 |
| 30 | | 80 | 80 | 24.20 | 0.263 | 24.11 | 0.258 | 24.19 | 0.262 |



| | | | | | | | | | |
|-----------------|-------------------|------------------|-----|---------|---------|---------|---------|---------|---------|
| 30 | | 160 | 0 | 24.26 | 0.267 | 24.14 | 0.259 | 24.20 | 0.263 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 24.20 | 0.263 | 24.45 | 0.279 | 24.29 | 0.269 |
| 30 | | 1 | 80 | 24.23 | 0.265 | 24.26 | 0.267 | 24.12 | 0.258 |
| 30 | | 1 | 158 | 24.22 | 0.264 | 24.19 | 0.262 | 24.11 | 0.258 |
| 30 | | 80 | 1 | 24.17 | 0.261 | 24.28 | 0.268 | 24.07 | 0.255 |
| 30 | | 80 | 40 | 24.23 | 0.265 | 24.10 | 0.257 | 24.12 | 0.258 |
| 30 | | 80 | 80 | 24.26 | 0.267 | 24.14 | 0.259 | 24.19 | 0.262 |
| 30 | | 160 | 0 | 24.26 | 0.267 | 24.14 | 0.259 | 24.15 | 0.260 |
| 30 | | DFT-s-OFDM 16QAM | 1 | 1 | 24.35 | 0.272 | 24.37 | 0.274 | 24.34 |
| 30 | DFT-s-OFDM 64QAM | 1 | 1 | 22.86 | 0.193 | 22.89 | 0.195 | 22.81 | 0.191 |
| 30 | DFT-s-OFDM 256QAM | 1 | 1 | 20.81 | 0.121 | 20.77 | 0.119 | 20.65 | 0.116 |
| 30 | CP-OFDM QPSK | 1 | 1 | 23.74 | 0.237 | 23.80 | 0.240 | 23.66 | 0.232 |
| 30 | CP-OFDM 16QAM | 1 | 1 | 23.13 | 0.206 | 23.16 | 0.207 | 23.10 | 0.204 |
| 30 | CP-OFDM 64QAM | 1 | 1 | 21.78 | 0.151 | 21.79 | 0.151 | 21.69 | 0.148 |
| 30 | CP-OFDM 256QAM | 1 | 1 | 18.71 | 0.074 | 18.74 | 0.075 | 18.64 | 0.073 |
| 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 QPSK | 1 | 1 | 24.16 | 0.261 | 23.97 | 0.249 | 23.80 | 0.240 |
| 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 QPSK | 1 | 1 | 24.12 | 0.258 | 24.18 | 0.262 | 24.13 | 0.259 |
| 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 QPSK | 1 | 1 | 24.31 | 0.270 | 24.20 | 0.263 | 24.15 | 0.260 |
| 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 QPSK | 1 | 1 | 24.24 | 0.265 | 24.22 | 0.264 | 24.11 | 0.258 |

| B13_n66 (PC3) | | | | | | | | | |
|---------------|------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| 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 | | | | 345000 | 345000 | 349000 | 349000 | 353000 | 353000 |



| | | | | | | | | | |
|-----------------|-------------------------|---------|-----|---------|---------|---------|---------|---------|---------|
| Frequency (MHz) | | | | 1725.00 | 1725.00 | 1745.00 | 1745.00 | 1765.00 | 1765.00 |
| 30 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | 24.15 | 0.260 | 24.18 | 0.262 | 24.10 | 0.257 |
| 30 | | 1 | 80 | 24.21 | 0.264 | 24.14 | 0.259 | 24.08 | 0.256 |
| 30 | | 1 | 158 | 24.19 | 0.262 | 24.00 | 0.251 | 24.05 | 0.254 |
| 30 | | 80 | 1 | 24.22 | 0.264 | 24.16 | 0.261 | 24.13 | 0.259 |
| 30 | | 80 | 40 | 24.26 | 0.267 | 24.09 | 0.256 | 24.14 | 0.259 |
| 30 | | 80 | 80 | 24.27 | 0.267 | 24.19 | 0.262 | 24.20 | 0.263 |
| 30 | | 16 0 | 0 | 24.34 | 0.272 | 24.13 | 0.259 | 24.23 | 0.265 |
| 30 | DFT-s-OFDM QPSK | 1 | 1 | 24.24 | 0.265 | 24.47 | 0.280 | 24.29 | 0.269 |
| 30 | | 1 | 80 | 24.29 | 0.269 | 24.27 | 0.267 | 24.12 | 0.258 |
| 30 | | 1 | 158 | 24.15 | 0.260 | 24.23 | 0.265 | 24.15 | 0.260 |
| 30 | | 80 | 1 | 24.25 | 0.266 | 24.40 | 0.275 | 24.32 | 0.270 |
| 30 | | 80 | 40 | 24.30 | 0.269 | 24.19 | 0.262 | 24.18 | 0.262 |
| 30 | | 80 | 80 | 24.31 | 0.270 | 24.15 | 0.260 | 24.22 | 0.264 |
| 30 | | 16 0 | 0 | 24.37 | 0.274 | 24.16 | 0.261 | 24.16 | 0.261 |
| 30 | DFT-s-OFDM 16QAM | 1 | 1 | 24.42 | 0.277 | 24.45 | 0.279 | 24.38 | 0.274 |
| 30 | DFT-s-OFDM 64QAM | 1 | 1 | 22.91 | 0.195 | 22.91 | 0.195 | 22.82 | 0.191 |
| 30 | DFT-s-OFDM 256QAM | 1 | 1 | 20.88 | 0.122 | 20.86 | 0.122 | 20.74 | 0.119 |
| 30 | CP-OFDM QPSK | 1 | 1 | 23.82 | 0.241 | 23.84 | 0.242 | 23.72 | 0.236 |
| 30 | CP-OFDM 16QAM | 1 | 1 | 23.15 | 0.207 | 23.12 | 0.205 | 23.08 | 0.203 |
| 30 | CP-OFDM 64QAM | 1 | 1 | 21.85 | 0.153 | 21.82 | 0.152 | 21.74 | 0.149 |
| 30 | CP-OFDM 256QAM | 1 | 1 | 18.79 | 0.076 | 18.81 | 0.076 | 18.72 | 0.074 |
| 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 QPSK | 1 | 1 | 23.97 | 0.249 | 24.14 | 0.259 | 24.10 | 0.257 |
| 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 QPSK | 1 | 1 | 24.21 | 0.264 | 24.11 | 0.258 | 24.08 | 0.256 |
| 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 QPSK | 1 | 1 | 24.33 | 0.271 | 24.23 | 0.265 | 24.24 | 0.265 |
| 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 QPSK | 1 | 1 | 24.33 | 0.271 | 24.18 | 0.262 | 24.21 | 0.264 |



| B2_n77(3450-3550MHz) (PC2) | | | | | | | | | |
|----------------------------|-------------------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| 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 | / | / | 27.38 | 0.547 | / | / |
| 100 | | 1 | 136 | / | / | 27.19 | 0.524 | / | / |
| 100 | | 1 | 271 | / | / | 26.93 | 0.493 | / | / |
| 100 | | 13 5 | 1 | / | / | 22.45 | 0.176 | / | / |
| 100 | | 13 5 | 67 | / | / | 27.23 | 0.528 | / | / |
| 100 | | 13 5 | 136 | / | / | 26.42 | 0.439 | / | / |
| 100 | | 27 0 | 0 | / | / | 26.81 | 0.480 | / | / |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | / | / | 27.43 | 0.553 | / | / |
| 100 | | 1 | 136 | / | / | 27.22 | 0.527 | / | / |
| 100 | | 1 | 271 | / | / | 26.89 | 0.489 | / | / |
| 100 | | 13 5 | 1 | / | / | 27.25 | 0.531 | / | / |
| 100 | | 13 5 | 67 | / | / | 27.23 | 0.528 | / | / |
| 100 | | 13 5 | 136 | / | / | 25.92 | 0.391 | / | / |
| 100 | | 27 0 | 0 | / | / | 26.34 | 0.431 | / | / |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | / | / | 27.39 | 0.548 | / | / |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | / | / | 24.98 | 0.315 | / | / |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | / | / | 22.71 | 0.187 | / | / |
| 100 | CP-OFDM QPSK | 1 | 1 | / | / | 25.88 | 0.387 | / | / |
| 100 | CP-OFDM 16QAM | 1 | 1 | / | / | 25.13 | 0.326 | / | / |
| 100 | CP-OFDM 64QAM | 1 | 1 | / | / | 23.91 | 0.246 | / | / |
| 100 | CP-OFDM 256QAM | 1 | 1 | / | / | 20.80 | 0.120 | / | / |
| 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 | 1 | 1 | 27.28 | 0.535 | 27.33 | 0.541 | 27.28 | 0.535 |



| | | | | | | | | | |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| | QPSK | | | | | | | | |
| 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 QPSK | 1 | 1 | 27.37 | 0.546 | 27.38 | 0.547 | 27.42 | 0.552 |
| 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 | 27.40 | 0.550 | 27.33 | 0.541 | 27.42 | 0.552 |
| 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 | 27.38 | 0.547 | 27.41 | 0.551 | 27.17 | 0.521 |
| 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 | 27.35 | 0.543 | 27.40 | 0.550 | 26.99 | 0.500 |

| B5_n77(3450-3550MHz) (PC2) | | | | | | | | | |
|----------------------------|----------------------|-----------------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz] | 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 | | | | / | / | 633334 | 633334 | / | / |
| Frequency (MHz) | | | | / | / | 3500.01 | 3500.01 | / | / |
| 100 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | / | / | 26.89 | 0.489 | / | / |
| 100 | | 1 | 136 | / | / | 26.50 | 0.447 | / | / |
| 100 | | 1 | 271 | / | / | 26.37 | 0.434 | / | / |
| 100 | | 13 5 | 1 | / | / | 26.25 | 0.422 | / | / |
| 100 | | 13 5 | 67 | / | / | 26.61 | 0.458 | / | / |
| 100 | | 13 5 | 136 | / | / | 25.80 | 0.380 | / | / |
| 100 | | 27 0 | 0 | / | / | 26.17 | 0.414 | / | / |
| 100 | | DFT-s-OFDM QPSK | 1 | 1 | / | / | 26.96 | 0.497 | / |
| 100 | 1 | | 136 | / | / | 26.52 | 0.449 | / | / |
| 100 | 1 | | 271 | / | / | 26.28 | 0.425 | / | / |
| 100 | 13 5 | | 1 | / | / | 26.83 | 0.482 | / | / |
| 100 | 13 5 | | 67 | / | / | 26.48 | 0.445 | / | / |
| 100 | 13 5 | | 136 | / | / | 25.43 | 0.349 | / | / |
| 100 | 27 0 | | 0 | / | / | 25.42 | 0.348 | / | / |



| | | | | | | | | | |
|-----------------|----------------------|---|---|---------|---------|---------|---------|---------|---------|
| | | 0 | | | | | | | |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | / | / | 25.02 | 0.318 | / | / |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | / | / | 23.92 | 0.247 | / | / |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | / | / | 21.90 | 0.155 | / | / |
| 100 | CP-OFDM QPSK | 1 | 1 | / | / | 24.38 | 0.274 | / | / |
| 100 | CP-OFDM 16QAM | 1 | 1 | / | / | 23.96 | 0.249 | / | / |
| 100 | CP-OFDM 64QAM | 1 | 1 | / | / | 23.48 | 0.223 | / | / |
| 100 | CP-OFDM 256QAM | 1 | 1 | / | / | 20.25 | 0.106 | / | / |
| 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 | 26.62 | 0.459 | 26.57 | 0.454 | 26.53 | 0.450 |
| 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 QPSK | 1 | 1 | 26.38 | 0.435 | 26.31 | 0.428 | 26.45 | 0.442 |
| 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 | 26.75 | 0.473 | 26.48 | 0.445 | 26.50 | 0.447 |
| 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 | 26.80 | 0.479 | 26.65 | 0.462 | 26.54 | 0.451 |
| 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 | 26.70 | 0.468 | 26.57 | 0.454 | 26.37 | 0.434 |

| B13_n77(3450-3550MHz) (PC2) | | | | | | | | | |
|-----------------------------|-------------------------|---------|-----------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| 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 | / | / | 26.79 | 0.478 | / | / |
| 100 | | 1 | 136 | / | / | 26.56 | 0.453 | / | / |
| 100 | | 1 | 271 | / | / | 26.36 | 0.433 | / | / |



| | | | | | | | | | |
|-----------------|----------------------|-----|-----|---------|---------|---------|---------|---------|---------|
| 100 | | 135 | 1 | / | / | 26.16 | 0.413 | / | / |
| 100 | | 135 | 67 | / | / | 26.62 | 0.459 | / | / |
| 100 | | 135 | 136 | / | / | 25.74 | 0.375 | / | / |
| 100 | | 270 | 0 | / | / | 26.21 | 0.418 | / | / |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | / | / | 26.84 | 0.483 | / | / |
| 100 | | 1 | 136 | / | / | 26.43 | 0.440 | / | / |
| 100 | | 1 | 271 | / | / | 26.20 | 0.417 | / | / |
| 100 | | 135 | 1 | / | / | 26.68 | 0.466 | / | / |
| 100 | | 135 | 67 | / | / | 26.40 | 0.437 | / | / |
| 100 | | 135 | 136 | / | / | 25.19 | 0.330 | / | / |
| 100 | | 270 | 0 | / | / | 25.32 | 0.340 | / | / |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | / | / | 25.93 | 0.392 | / | / |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | / | / | 24.62 | 0.290 | / | / |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | / | / | 21.79 | 0.151 | / | / |
| 100 | CP-OFDM QPSK | 1 | 1 | / | / | 24.31 | 0.270 | / | / |
| 100 | CP-OFDM 16QAM | 1 | 1 | / | / | 23.90 | 0.245 | / | / |
| 100 | CP-OFDM 64QAM | 1 | 1 | / | / | 23.41 | 0.219 | / | / |
| 100 | CP-OFDM 256QAM | 1 | 1 | / | / | 20.17 | 0.104 | / | / |
| 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 | 26.50 | 0.447 | 26.45 | 0.442 | 26.42 | 0.439 |
| 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 QPSK | 1 | 1 | 26.24 | 0.421 | 26.18 | 0.415 | 26.31 | 0.428 |
| 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 | 26.58 | 0.455 | 26.33 | 0.430 | 26.37 | 0.434 |
| 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 | 1 | 1 | 26.68 | 0.466 | 26.48 | 0.445 | 26.37 | 0.434 |



| | | | | | | | | | |
|----|--------------------|---|---|---------|---------|---------|---------|---------|---------|
| | QPSK | | | | | | | | |
| | 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 | 26.54 | 0.451 | 26.38 | 0.435 | 26.18 | 0.415 |

| B66_n77(3450-3550MHz) (PC2) | | | | | | | | | |
|-----------------------------|-------------------------|----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz] | 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 | | | / | / | 633334 | 633334 | / | / |
| | Frequency (MHz) | | | / | / | 3500.01 | 3500.01 | / | / |
| 100 | DFT-s-OFDM PI/2 BPSK | 1 | 1 | / | / | 27.34 | 0.542 | / | / |
| 100 | | 1 | 136 | / | / | 27.20 | 0.525 | / | / |
| 100 | | 1 | 271 | / | / | 22.05 | 0.160 | / | / |
| 100 | | 13 5 | 1 | / | / | 26.83 | 0.482 | / | / |
| 100 | | 13 5 | 67 | / | / | 27.23 | 0.528 | / | / |
| 100 | | 13 5 | 136 | / | / | 26.40 | 0.437 | / | / |
| 100 | | 27 0 | 0 | / | / | 22.28 | 0.169 | / | / |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | / | / | 27.36 | 0.545 | / | / |
| 100 | | 1 | 136 | / | / | 27.15 | 0.519 | / | / |
| 100 | | 1 | 271 | / | / | 21.91 | 0.155 | / | / |
| 100 | | 13 5 | 1 | / | / | 26.87 | 0.486 | / | / |
| 100 | | 13 5 | 67 | / | / | 23.83 | 0.242 | / | / |
| 100 | | 13 5 | 136 | / | / | 25.90 | 0.389 | / | / |
| 100 | | 27 0 | 0 | / | / | 26.31 | 0.428 | / | / |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | / | / | 26.45 | 0.442 | / | / |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | / | / | 24.97 | 0.314 | / | / |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | / | / | 22.89 | 0.195 | / | / |
| 100 | CP-OFDM QPSK | 1 | 1 | / | / | 25.91 | 0.390 | / | / |
| 100 | CP-OFDM 16QAM | 1 | 1 | / | / | 25.32 | 0.340 | / | / |
| 100 | CP-OFDM 64QAM | 1 | 1 | / | / | 23.96 | 0.249 | / | / |



| | | | | | | | | | |
|-----------------|--------------------|---|---|---------|---------|---------|---------|---------|---------|
| 100 | CP-OFDM 256QAM | 1 | 1 | / | / | 20.71 | 0.118 | / | / |
| 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 | 27.31 | 0.538 | 27.28 | 0.535 | 27.25 | 0.531 |
| 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 QPSK | 1 | 1 | 27.32 | 0.540 | 27.34 | 0.542 | 27.35 | 0.543 |
| 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 | 27.28 | 0.535 | 27.30 | 0.537 | 27.11 | 0.514 |
| 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 | 27.30 | 0.537 | 27.34 | 0.542 | 27.16 | 0.520 |
| 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 | 27.33 | 0.541 | 27.32 | 0.540 | 26.97 | 0.498 |

| B2_n77(3700-3980MHz) (PC2) | | | | | | | | | |
|----------------------------|-------------------------|----------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz] | 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 | | | | 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 | 27.57 | 0.571 | 26.44 | 0.441 | 26.07 | 0.405 |
| 100 | | 1 | 136 | 28.02 | 0.634 | 26.49 | 0.446 | 25.46 | 0.352 |
| 100 | | 1 | 271 | 21.90 | 0.155 | 21.71 | 0.148 | 26.05 | 0.403 |
| 100 | | 13 5 | 1 | 27.62 | 0.578 | 26.96 | 0.497 | 27.22 | 0.527 |
| 100 | | 13 5 | 67 | 27.93 | 0.621 | 26.63 | 0.460 | 26.45 | 0.442 |
| 100 | | 13 5 | 136 | 27.63 | 0.579 | 26.71 | 0.469 | 26.27 | 0.424 |
| 100 | | 27 0 | 0 | 27.53 | 0.566 | 27.07 | 0.509 | 27.13 | 0.516 |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | 27.82 | 0.605 | 28.03 | 0.635 | 27.73 | 0.593 |
| 100 | | 1 | 136 | 28.00 | 0.631 | 27.32 | 0.540 | 27.15 | 0.519 |
| 100 | | 1 | 271 | 27.78 | 0.600 | 27.03 | 0.505 | 27.00 | 0.501 |
| 100 | | 13 5 | 1 | 25.67 | 0.369 | 25.40 | 0.347 | 25.69 | 0.371 |



| | | | | | | | | | |
|-----------------|----------------------|-----|-----|---------|---------|---------|---------|---------|---------|
| 100 | | 135 | 67 | 27.93 | 0.621 | 26.61 | 0.458 | 26.47 | 0.444 |
| 100 | | 135 | 136 | 21.96 | 0.157 | 21.85 | 0.153 | 21.73 | 0.149 |
| 100 | | 270 | 0 | 27.02 | 0.504 | 26.54 | 0.451 | 26.60 | 0.457 |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | 26.70 | 0.468 | 26.41 | 0.438 | 26.94 | 0.494 |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | 25.35 | 0.343 | 24.85 | 0.305 | 24.48 | 0.281 |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | 23.03 | 0.201 | 22.91 | 0.195 | 22.55 | 0.180 |
| 100 | CP-OFDM QPSK | 1 | 1 | 26.09 | 0.406 | 25.76 | 0.377 | 25.38 | 0.345 |
| 100 | CP-OFDM 16QAM | 1 | 1 | 23.69 | 0.234 | 23.31 | 0.214 | 22.91 | 0.195 |
| 100 | CP-OFDM 64QAM | 1 | 1 | 24.29 | 0.269 | 24.88 | 0.308 | 24.49 | 0.281 |
| 100 | CP-OFDM 256QAM | 1 | 1 | 21.01 | 0.126 | 19.93 | 0.098 | 19.55 | 0.090 |
| 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 | 27.69 | 0.587 | 26.07 | 0.405 | 25.36 | 0.344 |
| 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 | 27.80 | 0.603 | 25.77 | 0.378 | 24.62 | 0.290 |
| 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 QPSK | 1 | 1 | 27.73 | 0.593 | 25.92 | 0.391 | 23.38 | 0.218 |
| 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 | 27.62 | 0.578 | 25.89 | 0.388 | 23.53 | 0.225 |
| 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 | 27.92 | 0.619 | 26.01 | 0.399 | 23.33 | 0.215 |

| B5_n77(3700-3980MHz) (PC2) | | | | | | | | | |
|----------------------------|------------|---------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz] | Modulation | RB Size | RB Off set | 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 | 26.81 | 0.480 | 26.41 | 0.438 | 26.59 | 0.456 |
| 100 | | 1 | 136 | 26.27 | 0.424 | 25.45 | 0.351 | 25.49 | 0.354 |
| 100 | | 1 | 271 | 26.13 | 0.410 | 26.31 | 0.428 | 25.44 | 0.350 |
| 100 | | 13 5 | 1 | 26.24 | 0.421 | 25.91 | 0.390 | 25.99 | 0.397 |
| 100 | | 13 5 | 67 | 26.22 | 0.419 | 25.65 | 0.367 | 26.27 | 0.424 |
| 100 | | 13 5 | 136 | 25.58 | 0.361 | 25.79 | 0.379 | 25.91 | 0.390 |
| 100 | | 27 0 | 0 | 25.92 | 0.391 | 26.09 | 0.406 | 25.84 | 0.384 |
| 100 | DFT-s-OFDM QPSK | 1 | 1 | 26.77 | 0.475 | 26.86 | 0.485 | 26.56 | 0.453 |
| 100 | | 1 | 136 | 26.23 | 0.420 | 26.43 | 0.440 | 25.34 | 0.342 |
| 100 | | 1 | 271 | 25.92 | 0.391 | 26.02 | 0.400 | 25.36 | 0.344 |
| 100 | | 13 5 | 1 | 26.26 | 0.423 | 26.58 | 0.455 | 26.14 | 0.411 |
| 100 | | 13 5 | 67 | 26.29 | 0.426 | 25.63 | 0.366 | 25.29 | 0.338 |
| 100 | | 13 5 | 136 | 25.14 | 0.327 | 24.84 | 0.305 | 24.38 | 0.274 |
| 100 | | 27 0 | 0 | 25.44 | 0.350 | 25.27 | 0.337 | 25.30 | 0.339 |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | 25.48 | 0.353 | 25.28 | 0.337 | 24.50 | 0.282 |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | 23.96 | 0.249 | 22.80 | 0.191 | 23.02 | 0.200 |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | 21.83 | 0.152 | 20.89 | 0.123 | 21.06 | 0.128 |
| 100 | CP-OFDM QPSK | 1 | 1 | 24.92 | 0.310 | 23.72 | 0.236 | 23.91 | 0.246 |
| 100 | CP-OFDM 16QAM | 1 | 1 | 24.44 | 0.278 | 24.27 | 0.267 | 23.50 | 0.224 |
| 100 | CP-OFDM 64QAM | 1 | 1 | 23.04 | 0.201 | 22.85 | 0.193 | 23.02 | 0.200 |
| 100 | CP-OFDM 256QAM | 1 | 1 | 19.90 | 0.098 | 19.88 | 0.097 | 20.08 | 0.102 |
| 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 | 26.40 | 0.437 | 25.90 | 0.389 | 25.97 | 0.395 |
| 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 | 26.48 | 0.445 | 25.56 | 0.360 | 26.30 | 0.427 |
| 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 | 26.40 | 0.437 | 25.73 | 0.374 | 26.13 | 0.410 |



| | | | | | | | | | |
|-----------------|-----------------|---|---|---------|---------|---------|---------|---------|---------|
| | 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 | 26.71 | 0.469 | 25.74 | 0.375 | 26.28 | 0.425 |
| 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 | 26.64 | 0.461 | 25.87 | 0.386 | 25.99 | 0.397 |

| B13_n77(3700-3980MHz) (PC2) | | | | | | | | | |
|-----------------------------|----------------------|-----------------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz] | 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 | | | | 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 | 26.35 | 0.432 | 26.33 | 0.430 | 26.52 | 0.449 |
| 100 | | 1 | 136 | 26.24 | 0.421 | 26.45 | 0.442 | 26.26 | 0.423 |
| 100 | | 1 | 271 | 26.01 | 0.399 | 26.25 | 0.422 | 26.36 | 0.433 |
| 100 | | 13 5 | 1 | 26.28 | 0.425 | 25.79 | 0.379 | 25.93 | 0.392 |
| 100 | | 13 5 | 67 | 26.32 | 0.429 | 26.58 | 0.455 | 26.24 | 0.421 |
| 100 | | 13 5 | 136 | 25.63 | 0.366 | 25.71 | 0.372 | 25.85 | 0.385 |
| 100 | | 27 0 | 0 | 25.93 | 0.392 | 26.03 | 0.401 | 25.76 | 0.377 |
| 100 | | DFT-s-OFDM QPSK | 1 | 1 | 26.66 | 0.463 | 26.72 | 0.470 | 26.40 |
| 100 | 1 | | 136 | 26.30 | 0.427 | 25.36 | 0.344 | 25.17 | 0.329 |
| 100 | 1 | | 271 | 25.95 | 0.394 | 25.17 | 0.329 | 25.32 | 0.340 |
| 100 | 13 5 | | 1 | 26.34 | 0.431 | 26.42 | 0.439 | 26.02 | 0.400 |
| 100 | 13 5 | | 67 | 26.30 | 0.427 | 25.52 | 0.356 | 25.23 | 0.333 |
| 100 | 13 5 | | 136 | 25.14 | 0.327 | 25.41 | 0.348 | 25.34 | 0.342 |
| 100 | 27 0 | | 0 | 25.41 | 0.348 | 25.29 | 0.338 | 25.05 | 0.320 |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | 25.44 | 0.350 | 25.65 | 0.367 | 25.52 | 0.356 |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | 23.92 | 0.247 | 23.76 | 0.238 | 22.99 | 0.199 |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | 21.91 | 0.155 | 21.82 | 0.152 | 21.03 | 0.127 |
| 100 | CP-OFDM QPSK | 1 | 1 | 24.96 | 0.313 | 24.65 | 0.292 | 23.86 | 0.243 |



| | | | | | | | | | |
|-----------------|--------------------|---|---|---------|---------|---------|---------|---------|---------|
| 100 | CP-OFDM 16QAM | 1 | 1 | 24.46 | 0.279 | 24.20 | 0.263 | 23.46 | 0.222 |
| 100 | CP-OFDM 64QAM | 1 | 1 | 23.00 | 0.200 | 22.71 | 0.187 | 22.87 | 0.194 |
| 100 | CP-OFDM 256QAM | 1 | 1 | 19.91 | 0.098 | 19.81 | 0.096 | 20.03 | 0.101 |
| 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 | 26.26 | 0.423 | 25.81 | 0.381 | 24.88 | 0.308 |
| 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 | 26.44 | 0.441 | 26.07 | 0.405 | 26.23 | 0.420 |
| 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 QPSK | 1 | 1 | 26.70 | 0.468 | 25.62 | 0.365 | 26.03 | 0.401 |
| 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 | 26.36 | 0.433 | 25.64 | 0.366 | 26.18 | 0.415 |
| 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 | 26.54 | 0.451 | 25.74 | 0.375 | 25.90 | 0.389 |

| B66_n77(3700-3980MHz) (PC2) | | | | | | | | | |
|-----------------------------|-------------------------|------------|------------|------------------|-------------------|---------------------|----------------------|-------------------|--------------------|
| BW [MHz] | 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 | | | | 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 | 27.47 | 0.558 | 26.38 | 0.435 | 26.02 | 0.400 |
| 100 | | 1 | 136 | 27.56 | 0.570 | 26.43 | 0.440 | 25.42 | 0.348 |
| 100 | | 1 | 271 | 26.31 | 0.428 | 25.70 | 0.372 | 26.00 | 0.398 |
| 100 | | 13 5 | 1 | 27.45 | 0.556 | 26.89 | 0.489 | 25.41 | 0.348 |
| 100 | | 13 5 | 67 | 27.35 | 0.543 | 26.86 | 0.485 | 25.43 | 0.349 |
| 100 | | 13 5 | 136 | 27.64 | 0.581 | 26.67 | 0.465 | 27.22 | 0.527 |
| 100 | | 27 0 | 0 | 27.54 | 0.568 | 27.02 | 0.504 | 27.08 | 0.511 |
| 100 | | DFT-s-OFDM | 1 | 1 | 27.52 | 0.565 | 27.66 | 0.583 | 27.59 |



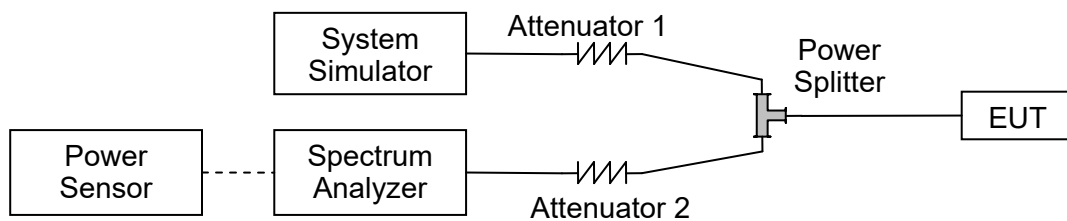
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|-----------------|----------------------|----|-----|---------|---------|---------|---------|---------|---------|
| 100 | QPSK | 1 | 136 | 27.45 | 0.556 | 26.36 | 0.433 | 26.33 | 0.430 |
| 100 | | 1 | 271 | 27.55 | 0.569 | 26.98 | 0.499 | 26.97 | 0.498 |
| 100 | | 13 | 1 | 27.18 | 0.522 | 27.22 | 0.527 | 27.05 | 0.507 |
| 100 | | 5 | 67 | 27.44 | 0.555 | 25.56 | 0.360 | 25.43 | 0.349 |
| 100 | | 13 | 136 | 27.03 | 0.505 | 26.14 | 0.411 | 25.68 | 0.370 |
| 100 | | 5 | 0 | 27.04 | 0.506 | 25.50 | 0.355 | 25.56 | 0.360 |
| 100 | DFT-s-OFDM 16QAM | 1 | 1 | 26.69 | 0.467 | 26.78 | 0.476 | 26.17 | 0.414 |
| 100 | DFT-s-OFDM 64QAM | 1 | 1 | 23.56 | 0.227 | 23.78 | 0.239 | 23.47 | 0.222 |
| 100 | DFT-s-OFDM 256QAM | 1 | 1 | 20.21 | 0.105 | 20.89 | 0.123 | 20.51 | 0.112 |
| 100 | CP-OFDM QPSK | 1 | 1 | 24.10 | 0.257 | 23.83 | 0.242 | 23.65 | 0.232 |
| 100 | CP-OFDM 16QAM | 1 | 1 | 23.61 | 0.230 | 23.76 | 0.238 | 22.89 | 0.195 |
| 100 | CP-OFDM 64QAM | 1 | 1 | 20.38 | 0.109 | 22.81 | 0.191 | 22.46 | 0.176 |
| 100 | CP-OFDM 256QAM | 1 | 1 | 21.04 | 0.127 | 19.87 | 0.097 | 19.51 | 0.089 |
| 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 | 25.70 | 0.372 | 25.97 | 0.395 | 25.26 | 0.336 |
| 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 | 25.72 | 0.373 | 25.66 | 0.368 | 24.53 | 0.284 |
| 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 QPSK | 1 | 1 | 26.12 | 0.409 | 25.80 | 0.380 | 25.25 | 0.335 |
| 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 | 25.95 | 0.394 | 25.75 | 0.376 | 25.40 | 0.347 |
| 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 | 25.91 | 0.390 | 25.92 | 0.391 | 25.64 | 0.366 |

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. 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.

2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result



| Band | SCS (KHz) | BW (MHz) | ARFCN | Modulation | RB | OBW (MHz) | 26dB BW (MHz) | Verdict |
|-------|-----------|----------|--------|-------------------------|------|-----------|---------------|---------|
| 5A_n2 | 15 | 5 | 370500 | DFT-s-OFDM PI/2 BPSK | 25/0 | 4.472 | 4.858 | PASS |
| 5A_n2 | 15 | 5 | 370500 | DFT-s-OFDM QPSK | 25/0 | 4.466 | 4.826 | PASS |
| 5A_n2 | 15 | 5 | 370500 | DFT-s-OFDM 16QAM | 25/0 | 4.489 | 4.924 | PASS |
| 5A_n2 | 15 | 5 | 370500 | DFT-s-OFDM 64QAM | 25/0 | 4.493 | 4.891 | PASS |
| 5A_n2 | 15 | 5 | 370500 | DFT-s-OFDM 256QAM | 25/0 | 4.483 | 4.900 | PASS |
| 5A_n2 | 15 | 5 | 370500 | CP-OFDM QPSK | 25/0 | 4.472 | 4.930 | PASS |
| 5A_n2 | 15 | 5 | 376000 | DFT-s-OFDM PI/2 BPSK | 25/0 | 4.480 | 4.848 | PASS |
| 5A_n2 | 15 | 5 | 376000 | DFT-s-OFDM QPSK | 25/0 | 4.470 | 4.850 | PASS |
| 5A_n2 | 15 | 5 | 376000 | DFT-s-OFDM 16QAM | 25/0 | 4.475 | 4.917 | PASS |
| 5A_n2 | 15 | 5 | 376000 | DFT-s-OFDM 64QAM | 25/0 | 4.497 | 4.947 | PASS |
| 5A_n2 | 15 | 5 | 376000 | DFT-s-OFDM 256QAM | 25/0 | 4.484 | 4.814 | PASS |
| 5A_n2 | 15 | 5 | 376000 | CP-OFDM QPSK | 25/0 | 4.472 | 4.899 | PASS |
| 5A_n2 | 15 | 5 | 381500 | DFT-s-OFDM PI/2 BPSK | 25/0 | 4.483 | 4.908 | PASS |
| 5A_n2 | 15 | 5 | 381500 | DFT-s-OFDM QPSK | 25/0 | 4.476 | 4.916 | PASS |
| 5A_n2 | 15 | 5 | 381500 | DFT-s-OFDM 16QAM | 25/0 | 4.476 | 4.907 | PASS |
| 5A_n2 | 15 | 5 | 381500 | DFT-s-OFDM 64QAM | 25/0 | 4.478 | 4.910 | PASS |
| 5A_n2 | 15 | 5 | 381500 | DFT-s-OFDM 256QAM | 25/0 | 4.484 | 4.839 | PASS |
| 5A_n2 | 15 | 5 | 381500 | CP-OFDM QPSK | 25/0 | 4.485 | 4.926 | PASS |
| 5A_n2 | 15 | 10 | 371000 | DFT-s-OFDM PI/2 BPSK | 50/0 | 8.927 | 9.494 | PASS |
| 5A_n2 | 15 | 10 | 371000 | DFT-s-OFDM QPSK | 50/0 | 8.916 | 9.489 | PASS |
| 5A_n2 | 15 | 10 | 371000 | DFT-s-OFDM 16QAM | 50/0 | 8.902 | 9.465 | PASS |
| 5A_n2 | 15 | 10 | 371000 | DFT-s-OFDM 64QAM | 50/0 | 8.927 | 9.540 | PASS |
| 5A_n2 | 15 | 10 | 371000 | DFT-s-OFDM 256QAM | 50/0 | 8.939 | 9.546 | PASS |



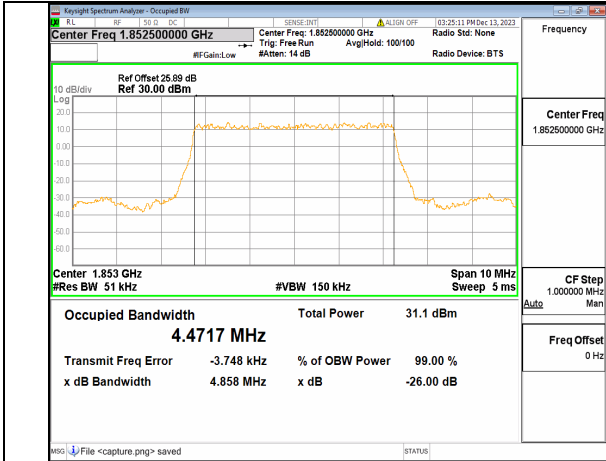
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|-------|----|----|--------|-------------------------|------|--------|--------|------|
| 5A_n2 | 15 | 10 | 371000 | CP-OFDM QPSK | 52/0 | 9.294 | 9.910 | PASS |
| 5A_n2 | 15 | 10 | 376000 | DFT-s-OFDM PI/2 BPSK | 50/0 | 8.920 | 9.430 | PASS |
| 5A_n2 | 15 | 10 | 376000 | DFT-s-OFDM QPSK | 50/0 | 8.923 | 9.498 | PASS |
| 5A_n2 | 15 | 10 | 376000 | DFT-s-OFDM 16QAM | 50/0 | 8.912 | 9.484 | PASS |
| 5A_n2 | 15 | 10 | 376000 | DFT-s-OFDM 64QAM | 50/0 | 8.924 | 9.529 | PASS |
| 5A_n2 | 15 | 10 | 376000 | DFT-s-OFDM 256QAM | 50/0 | 8.937 | 9.543 | PASS |
| 5A_n2 | 15 | 10 | 376000 | CP-OFDM QPSK | 52/0 | 9.302 | 9.920 | PASS |
| 5A_n2 | 15 | 10 | 381000 | DFT-s-OFDM PI/2 BPSK | 50/0 | 8.935 | 9.463 | PASS |
| 5A_n2 | 15 | 10 | 381000 | DFT-s-OFDM QPSK | 50/0 | 8.935 | 9.543 | PASS |
| 5A_n2 | 15 | 10 | 381000 | DFT-s-OFDM 16QAM | 50/0 | 8.913 | 9.482 | PASS |
| 5A_n2 | 15 | 10 | 381000 | DFT-s-OFDM 64QAM | 50/0 | 8.919 | 9.464 | PASS |
| 5A_n2 | 15 | 10 | 381000 | DFT-s-OFDM 256QAM | 50/0 | 8.944 | 9.484 | PASS |
| 5A_n2 | 15 | 10 | 381000 | CP-OFDM QPSK | 52/0 | 9.312 | 9.949 | PASS |
| 5A_n2 | 15 | 15 | 371500 | DFT-s-OFDM PI/2 BPSK | 75/0 | 13.432 | 14.175 | PASS |
| 5A_n2 | 15 | 15 | 371500 | DFT-s-OFDM QPSK | 75/0 | 13.394 | 14.076 | PASS |
| 5A_n2 | 15 | 15 | 371500 | DFT-s-OFDM 16QAM | 75/0 | 13.407 | 14.176 | PASS |
| 5A_n2 | 15 | 15 | 371500 | DFT-s-OFDM 64QAM | 75/0 | 13.407 | 14.134 | PASS |
| 5A_n2 | 15 | 15 | 371500 | DFT-s-OFDM 256QAM | 75/0 | 13.434 | 14.191 | PASS |
| 5A_n2 | 15 | 15 | 371500 | CP-OFDM QPSK | 79/0 | 14.089 | 14.824 | PASS |
| 5A_n2 | 15 | 15 | 376000 | DFT-s-OFDM PI/2 BPSK | 75/0 | 13.450 | 14.175 | PASS |
| 5A_n2 | 15 | 15 | 376000 | DFT-s-OFDM QPSK | 75/0 | 13.406 | 14.139 | PASS |
| 5A_n2 | 15 | 15 | 376000 | DFT-s-OFDM 16QAM | 75/0 | 13.433 | 14.107 | PASS |
| 5A_n2 | 15 | 15 | 376000 | DFT-s-OFDM 64QAM | 75/0 | 13.414 | 14.186 | PASS |
| 5A_n2 | 15 | 15 | 376000 | DFT-s-OFDM 256QAM | 75/0 | 13.436 | 14.107 | PASS |



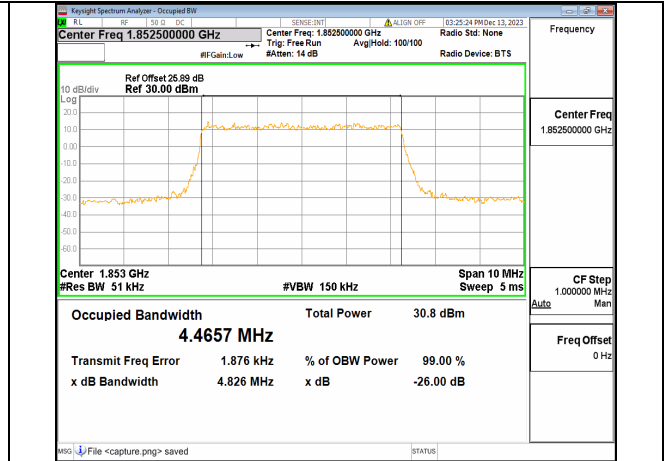
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|-------|----|----|--------|-------------------------|-------|--------|--------|------|
| 5A_n2 | 15 | 15 | 376000 | CP-OFDM QPSK | 79/0 | 14.107 | 14.865 | PASS |
| 5A_n2 | 15 | 15 | 380500 | DFT-s-OFDM PI/2 BPSK | 75/0 | 13.447 | 14.206 | PASS |
| 5A_n2 | 15 | 15 | 380500 | DFT-s-OFDM QPSK | 75/0 | 13.418 | 14.483 | PASS |
| 5A_n2 | 15 | 15 | 380500 | DFT-s-OFDM 16QAM | 75/0 | 13.433 | 14.172 | PASS |
| 5A_n2 | 15 | 15 | 380500 | DFT-s-OFDM 64QAM | 75/0 | 13.431 | 14.150 | PASS |
| 5A_n2 | 15 | 15 | 380500 | DFT-s-OFDM 256QAM | 75/0 | 13.456 | 14.243 | PASS |
| 5A_n2 | 15 | 15 | 380500 | CP-OFDM QPSK | 79/0 | 14.115 | 14.864 | PASS |
| 5A_n2 | 15 | 20 | 372000 | DFT-s-OFDM PI/2 BPSK | 100/0 | 17.842 | 18.641 | PASS |
| 5A_n2 | 15 | 20 | 372000 | DFT-s-OFDM QPSK | 100/0 | 17.887 | 18.721 | PASS |
| 5A_n2 | 15 | 20 | 372000 | DFT-s-OFDM 16QAM | 100/0 | 17.835 | 18.668 | PASS |
| 5A_n2 | 15 | 20 | 372000 | DFT-s-OFDM 64QAM | 100/0 | 17.829 | 18.627 | PASS |
| 5A_n2 | 15 | 20 | 372000 | DFT-s-OFDM 256QAM | 100/0 | 17.829 | 18.660 | PASS |
| 5A_n2 | 15 | 20 | 372000 | CP-OFDM QPSK | 106/0 | 18.909 | 19.844 | PASS |
| 5A_n2 | 15 | 20 | 376000 | DFT-s-OFDM PI/2 BPSK | 100/0 | 17.874 | 18.613 | PASS |
| 5A_n2 | 15 | 20 | 376000 | DFT-s-OFDM QPSK | 100/0 | 17.910 | 18.830 | PASS |
| 5A_n2 | 15 | 20 | 376000 | DFT-s-OFDM 16QAM | 100/0 | 17.860 | 18.743 | PASS |
| 5A_n2 | 15 | 20 | 376000 | DFT-s-OFDM 64QAM | 100/0 | 17.867 | 18.624 | PASS |
| 5A_n2 | 15 | 20 | 376000 | DFT-s-OFDM 256QAM | 100/0 | 17.859 | 18.720 | PASS |
| 5A_n2 | 15 | 20 | 376000 | CP-OFDM QPSK | 106/0 | 18.944 | 19.796 | PASS |
| 5A_n2 | 15 | 20 | 380000 | DFT-s-OFDM PI/2 BPSK | 100/0 | 17.878 | 18.668 | PASS |
| 5A_n2 | 15 | 20 | 380000 | DFT-s-OFDM QPSK | 100/0 | 17.897 | 18.745 | PASS |
| 5A_n2 | 15 | 20 | 380000 | DFT-s-OFDM 16QAM | 100/0 | 17.871 | 18.745 | PASS |
| 5A_n2 | 15 | 20 | 380000 | DFT-s-OFDM 64QAM | 100/0 | 17.865 | 18.608 | PASS |
| 5A_n2 | 15 | 20 | 380000 | DFT-s-OFDM 256QAM | 100/0 | 17.857 | 18.709 | PASS |



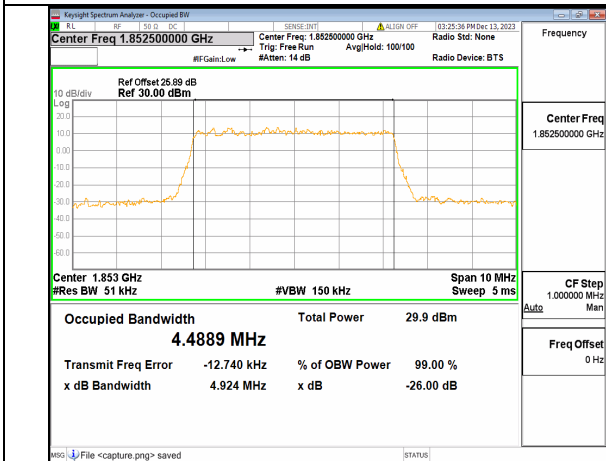
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|-------|----|----|--------|--------------|-------|--------|--------|------|



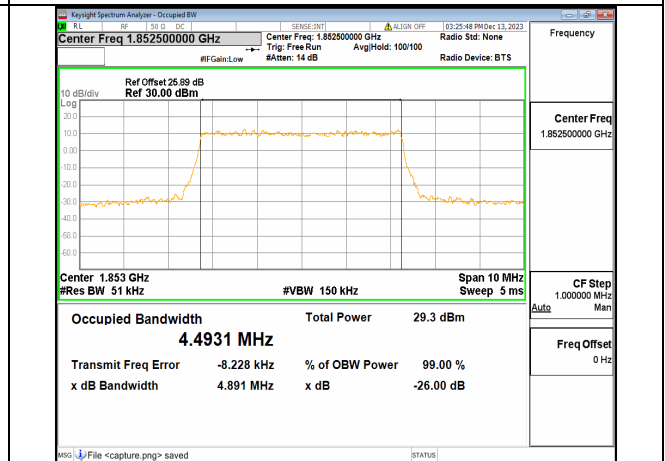
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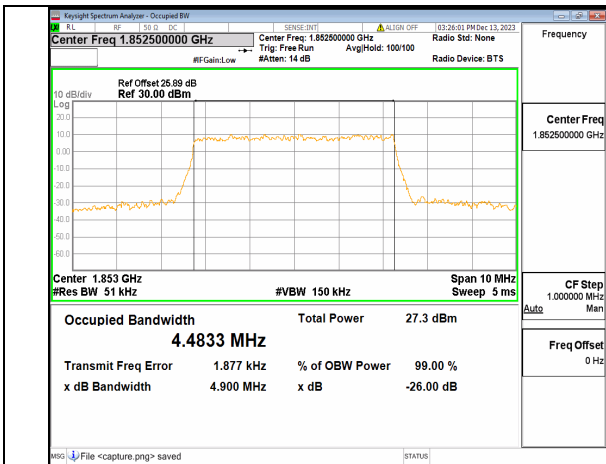
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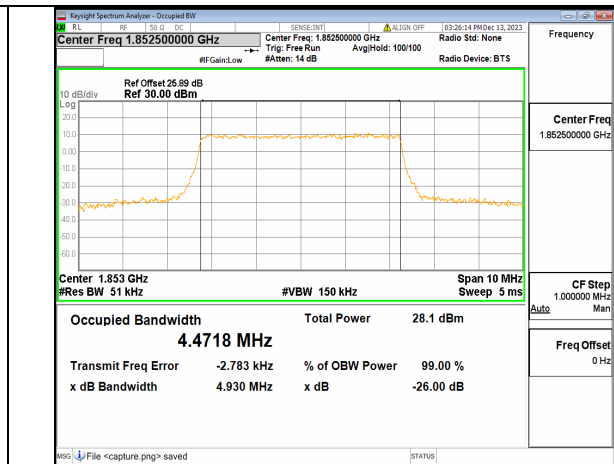
5A_n2 5M DFT-s-OFDM 16QAM Outer_Full Low



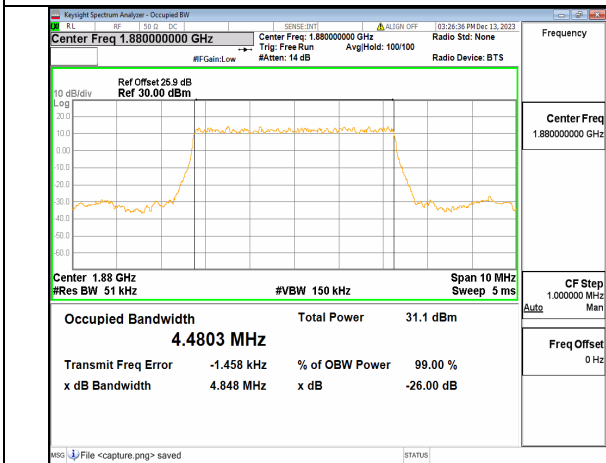
5A_n2 5M DFT-s-OFDM 64QAM Outer_Full Low



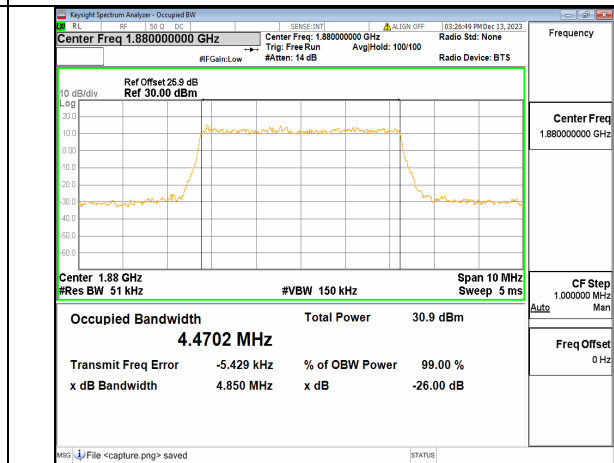
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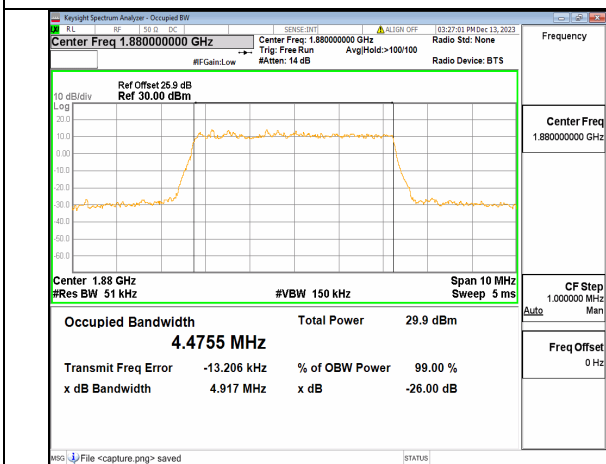
5A_n2 5M CP-OFDM QPSK Outer_Full Low



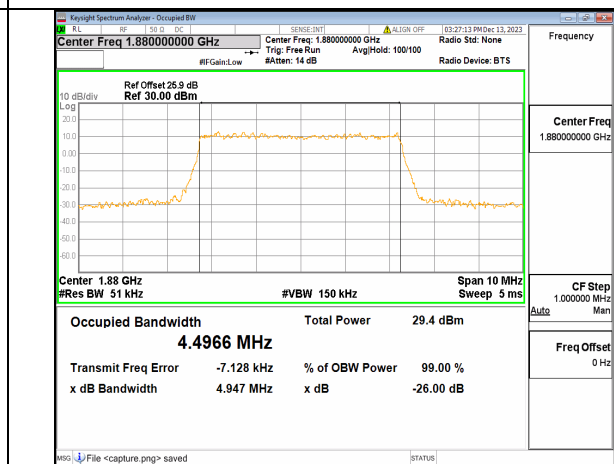
5A_n2 5M DFT-s-OFDM BPSK Outer_Full Mid



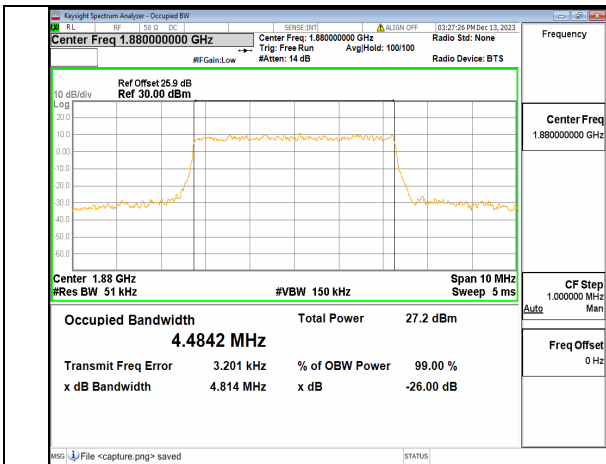
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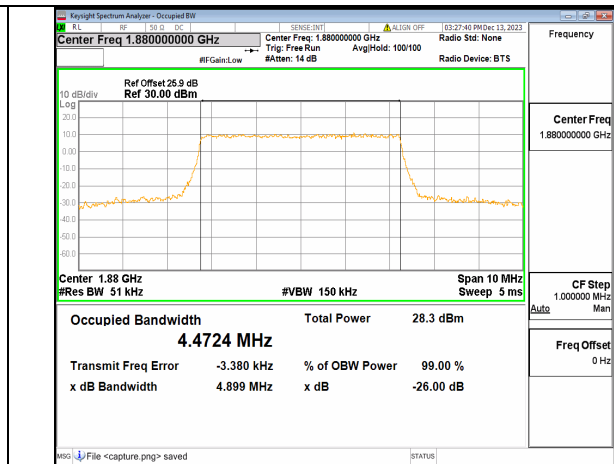
5A_n2 5M DFT-s-OFDM 16QAM Outer_Full Mid



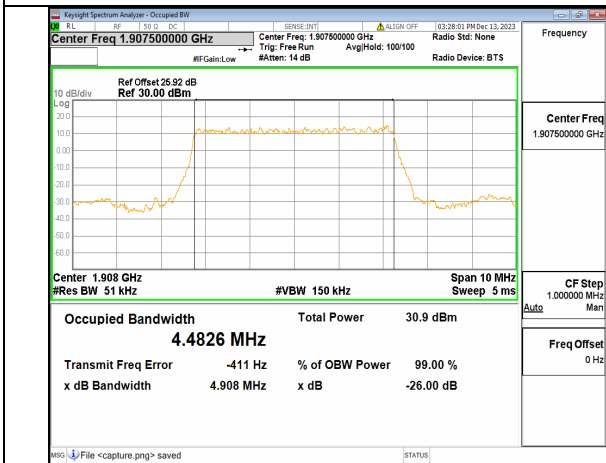
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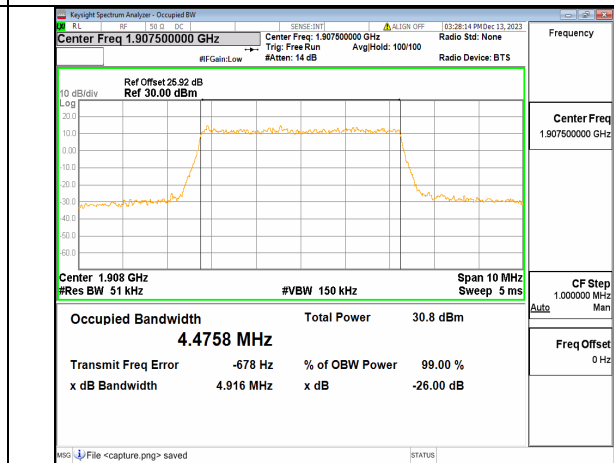
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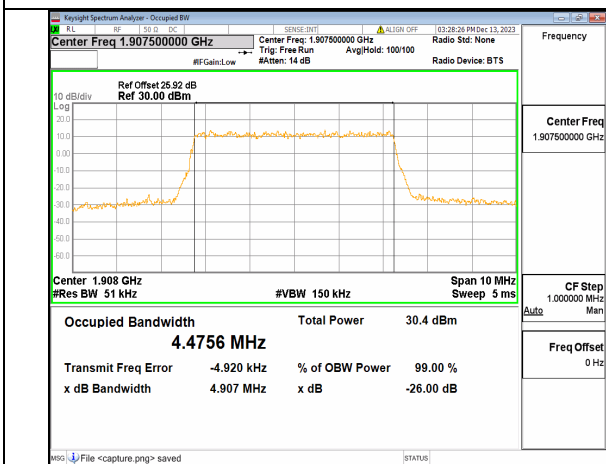
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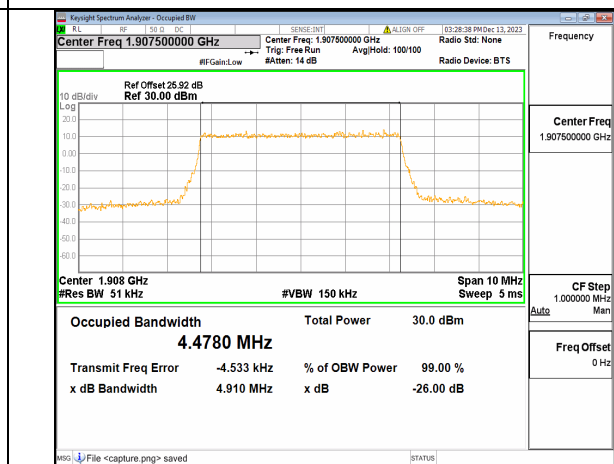
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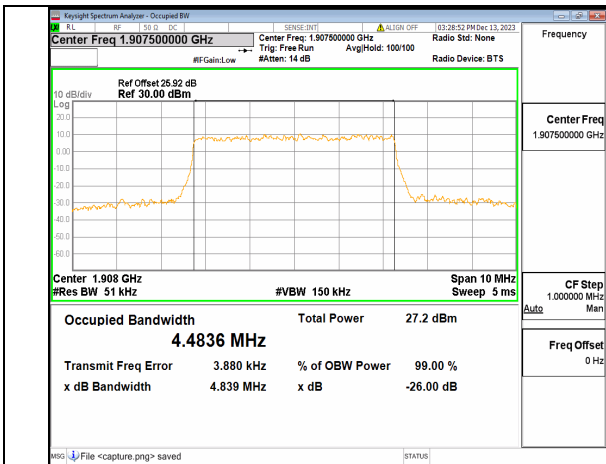
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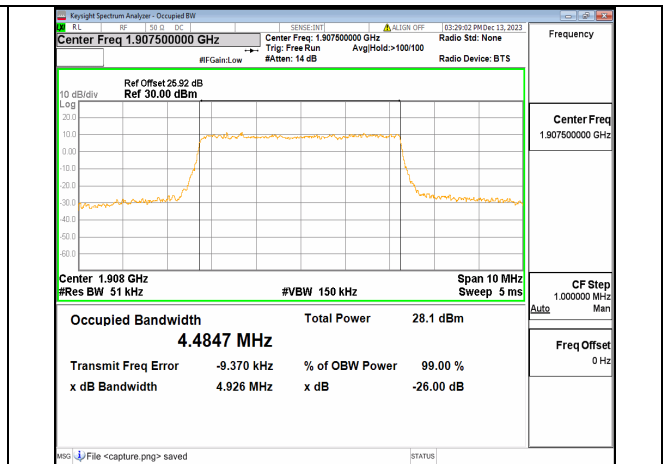
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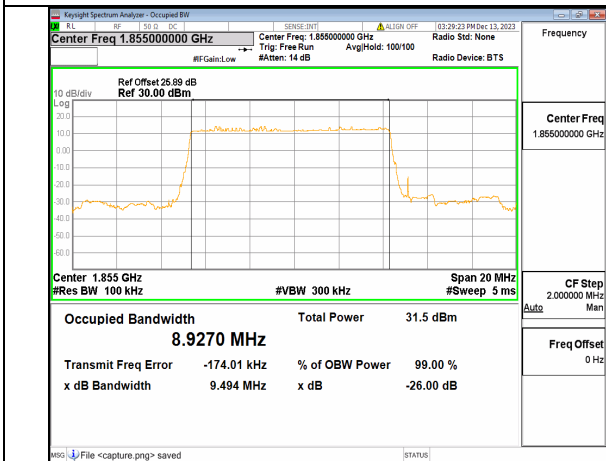
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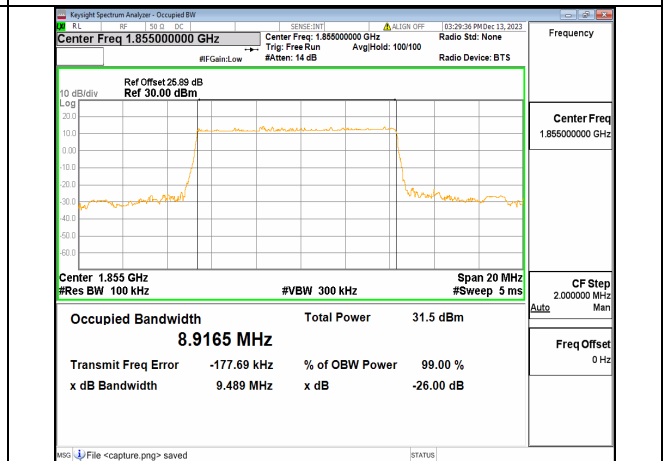
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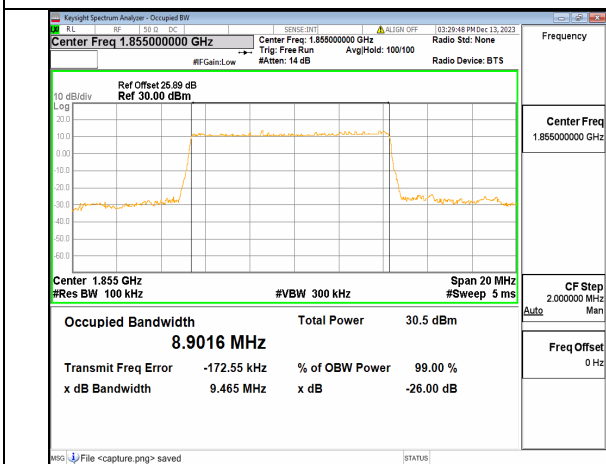
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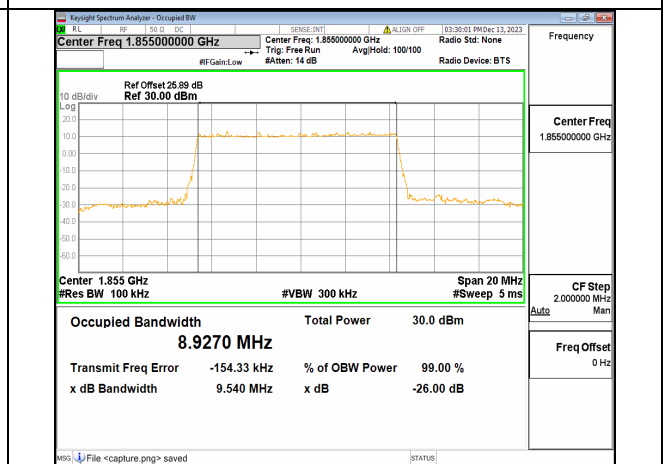
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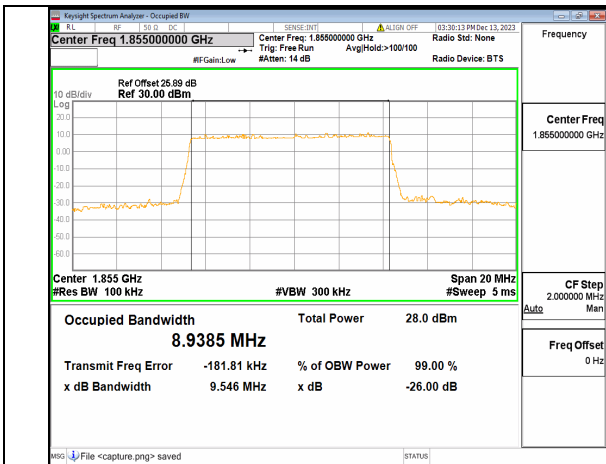
5A_n2 10M DFT-s-OFDM QPSK Outer_Full Low



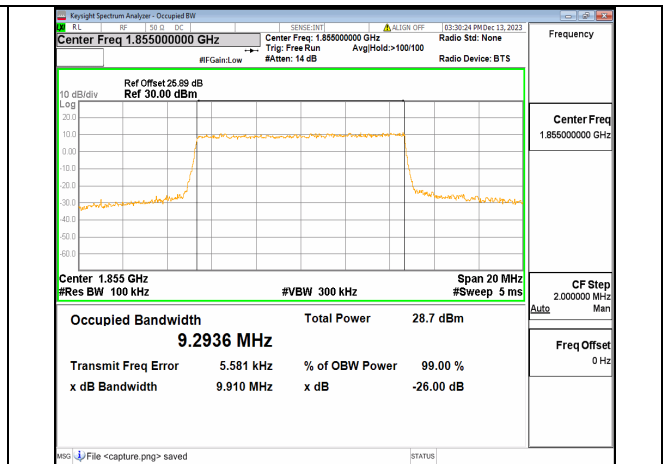
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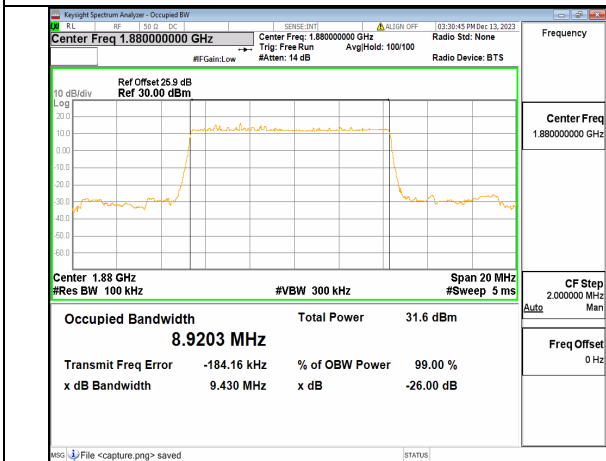
5A_n2 10M DFT-s-OFDM 64QAM Outer_Full Low



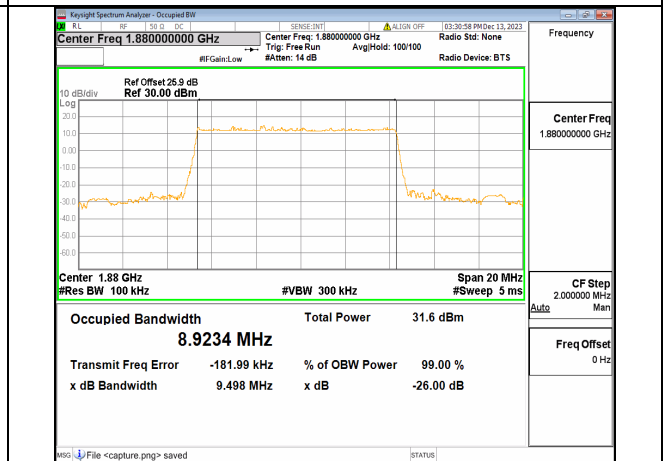
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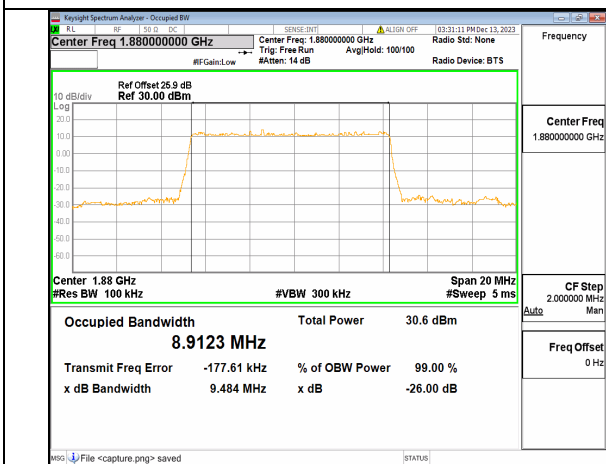
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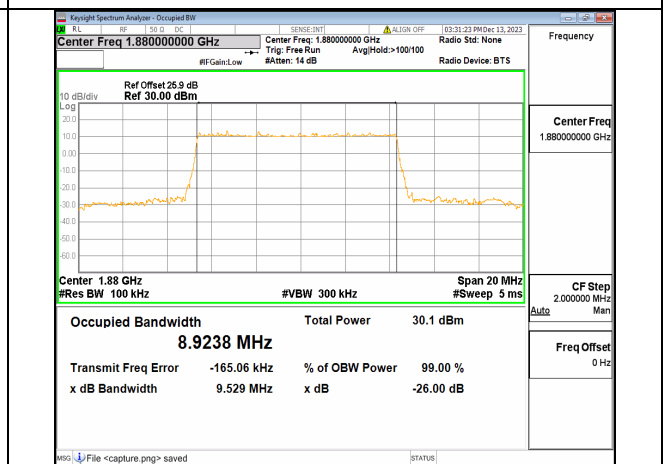
5A_n2 10M DFT-s-OFDM BPSK Outer_Full Mid



5A_n2 10M DFT-s-OFDM QPSK Outer_Full Mid



5A_n2 10M DFT-s-OFDM 16QAM Outer_Full Mid



5A_n2 10M DFT-s-OFDM 64QAM Outer_Full Mid