# TEST REPORT

## Report Number. : 15107843-E2V2

| | | |
|---|---|---|
| **Applicant** | : | Google LLC<br>1600 Amphitheatre Parkway<br>Mountain View, CA 94043 U.S.A. |
| **Model** | : | G2YBB |
| **FCC ID** | : | A4RG2YBB |
| **EUT Description** | : | PHONE |
| **Test Standard(s)** | : | FCC 47 CFR PART2, 22H, 24E, 27, 90S, 90R, AND 96 |

**Date Of Issue:**
2024-05-13

**Prepared by:**
UL Verification Services Inc.
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CERT #0751.05

## Revision History

| Rev. | Issue Date | Revisions | Revised By |
|---|---|---|---|
| V1 | 2024-05-09 | Initial Review | -- |
| V2 | 2024-05-13 | Updated Section 6.3 | Dan Coronia |



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# 1. ATTESTATION OF TEST RESULTS

| | |
|---|---|
| Applicant Name and Address | Google LLC<br>1600 Amphitheatre Parkway<br>Mountain View, CA 94043 U.S.A. |
| Model | G2YBB |
| FCC ID | A4RG2YBB |
| EUT Description | Phone |
| Serial Number | Conducted: 41151FDAQ00063, 352207820041643, 41151FDAQ0006X and 41151FDAQ0000J<br>Radiated: 41061FDAQ0009D, 3B091FDAQ000LC and 3B091FDAQ000BC |
| Sample Receipt Date | 2023-12-11 |
| Date Tested | 2023-12-11 to 2024-05-06 |
| Applicable Standards | FCC 47 CFR PART 2, 22H, 24E, 27, 90S, 90R, AND 96 |
| Test Results | COMPLIES |

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc.and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc.will constitute fraud and shall nullify the document.

| | | |
|---|---|---|
| Mengistu Mekuria<br>Lab Staff Engineer<br>UL Verification Services Inc. | Kiya Kedida<br>Lead Project Engineer<br>UL Verification Services Inc. | Glenn Escano<br>Senior Test Engineer<br>UL Verification Services Inc. |



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# 2. SUMMARY OF TEST RESULTS

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer."
Below is a list of the data provided by the customer:

1. Antenna gain and type (see section 6.2)

| Requirement Description | Band | Requirement Clause Number (FCC) | Result* | Remarks |
|---|---|---|---|---|
| RF Conducted Output Power | 26 (90S) | 2.1046 , 90.635 (b) | Compiles | |
| Effective Radiated Power | 5,26 | 22.913 (a)(5) | Compiles | |
| | 12 | 27.50 (c) (10) | Compiles | |
| | 13 | 27.50 (b ) (10) | Compiles | |
| | 14 | 90.541 (d) | Compiles | |
| | 17 | 27.50 (c) (10) | Compiles | |
| | 71 | 27.50 (c) (10) | Compiles | |
| Equivalent Isotropic Radiated Power | 2, 25 | 24.232 (c ) | Compiles | |
| | 4, 66 | 27.50 (d) (4) | Compiles | |
| | 70 | 27.50 (d) (4) | Compiles | |
| | 30 | 27.50 (a) (3) | Compiles | |
| | 7, 41, 38 | 27.50 (h) (2) | Compiles | |
| | 48 | 96.41 (b) | Compiles | |
| | 77 | 96.41 (b), 27.50 (j) (3), (k) (3) | Compiles | |



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| Requirement Description | Requirement Clause Number (FCC) | Result* | Remarks |
|---|---|---|---|
| Occupied Bandwidth | 2.1049 | Compiles | |
| Band Edge and Emission Mask | 2.1051, 22.917 (a), 24.238 (a), 27.53 (h), 27.53 (m)(4) & (m) (6), 96.41(e) , 27.53 (g), 27.53 (c) (f), 27.53(a), 27.53(I), 90.543 (e)(f), 90.691 (a), 96.41(e) | Compiles | |
| Out of Band Emissions | 2.1051, 22.917 (a), 24.238 (a), 27.53 (h), 27.53 (m)(4) & (m) (6), 96.41(e) , 27.53 (g), 27.53 (c) (f), 27.53(a), 27.53(I), 90.543 (e)(f), 90.691 (a), 96.41(e) | Compiles | |
| Frequency Stability | 2.1055, 22.355, 24.235, 27.54, 90.539, 90.213 | Compiles | |
| Peak-to-Average Ratio | 22.913 (d), 24.232 (d), 27.50 (d) (5), 27.50 (j) (4), 96.41 (g) | Compiles | |
| Field Strength of Spurious Radiation | 2.1053, 22.917 (a), 24.238 (a), 27.53 (h), 27.53 (m)(4) & (m) (6), 96.41(e) , 27.53 (g), 27.53 (c) (f), 27.53(a), 27.53(I), 90.543 (e)(f), 90.691 (a), 96.41(e) | Compiles | |



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# 3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following:

- ANSI C63.26:2015
- FCC 47 CFR Part 2, Part 22, Part 24, Part 27, Part 90, and Part 96
- FCC KDB 971168 D01 v03r01: Power Meas License Digital Systems
- FCC KDB 971168 D02 v02r02: Misc Rev Approv License Devices
- FCC KDB 412172 D01 v01r01. Determining ERP and EIRP

# 4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

| | Address | ISED CABID | ISED Company Number | FCC Registration |
|---|---|---|---|---|
| ☐ | Building 1: 47173 Benicia Street, Fremont, CA 94538, USA | US0104 | 2324A | 550739 |
| ☒ | Building 2: 47266 Benicia Street, Fremont, CA 94538, USA | | | |
| ☐ | Building 3: 843 Auburn Court, Fremont, CA 94538, USA | | | |
| ☒ | Building 4: 47658 Kato Rd, Fremont, CA 94538, USA | | | |
| ☒ | Building 5: 47670 Kato Rd, Fremont, CA 94538, USA | | | |




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# 5. DECISION RULES AND MEASUREMENT UNCERTAINTY

## 5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

## 5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

## 5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| PARAMETER | $U_{Lab}$ |
|---|---|
| Conducted Antenna Port Emission Measurement | 1.940 db |
| Power Spectral Density | 2.466 db |
| Time Domain Measurements Using SA | 3.39 % |
| RF Power Measurement Direct Method Using Power Meter | 0.450 db Peak<br>1.300 db Ave. |
| Radio Frequency (Spectrum Analyzer) | 141.16 Hz |
| Occupied Bandwidth | 1.22% |
| Worst Case Conducted Disturbance, 9KHz to 0.15 MHz | 3.78 db |
| Worst Case Conducted Disturbance, 0.15 to 30 MHz | 3.40 db |
| Worst Case Radiated Disturbance, 9KHz to 30 MHz | 2.87 db |
| Worst Case Radiated Disturbance, 30 to 1000 MHz | 6.01 db |
| Worst Case Radiated Disturbance, 1000 to 18000 MHz | 4.73 db |
| Worst Case Radiated Disturbance, 18000 to 26000 MHz | 4.51 db |
| Worst Case Radiated Disturbance, 26000 to 40000 MHz | 5.29 db |

Uncertainty figures are valid to a confidence level of 95%.

## 5.4. SAMPLE CALCULATION

**RADIATED EMISSIONS**

Where relevant, the following sample calculation is provided:
Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m




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# 6. EQUIPMENT UNDER TEST

## 6.1. DESCRIPTION OF EUT

The EUT is a Phone.

## 6.2. MAXIMUM ANTENNA GAIN

The antenna(s) gain, as provided by the manufacturer' are as follows:

| LTE and 5G NR Bands | Frequency Range (MHz) | ANT 0 Antenna Gain (dBi) | ANT 1 Antenna Gain (dBi) | ANT 2 Antenna Gain (dBi) | ANT 5 Antenna Gain (dBi) | ANT 6 Antenna Gain (dBi) | ANT 7 Antenna Gain (dBi) |
|---|---|---|---|---|---|---|---|
| LTE Band 2, 5G NR n2 | 1850 – 1910 | 1.9 | -4.3 | 1.5 | -2.2 | | |
| LTE Band 4 | 1710 – 1755 | 2.4 | -5.2 | 1.6 | -3.2 | | |
| LTE Band 5, 5G NR n5 | 824 – 849 | -2.7 | -2.2 | | | | |
| LTE Band 7, 5G NR n7 | 2500 – 2570 | -0.1 | | 1.4 | | | |
| LTE Band 12, 5G NR n12 | 699 – 716 | -1.9 | -3.3 | | | | |
| LTE Band 13 | 777 – 787 | -2.0 | -3.3 | | | | |
| LTE Band 14, 5G NR n14 | 788 – 798 | -2.2 | -3.7 | | | | |
| LTE Band 17 | 704 – 716 | -1.9 | -3.3 | | | | |
| LTE Band 25, 5G NR n25 | 1850 – 1915 | 1.9 | -4.3 | 1.5 | -2.2 | | |
| LTE Band 26, 5G NR n26 | 814 – 849 | -2.5 | -2.3 | | | | |
| LTE Band 30, 5G NR n30 | 2305 – 2315 | 0.7 | | 0.1 | | | |
| LTE Band 38, 5G NR n38 | 2570 - 2620 | -0.2 | -3.0 | 1.0 | -3.8 | | |
| LTE Band 41, 5G NR n41 | 2496 – 2690 | -0.2 | -3.0 | 1.0 | -3.8 | | |
| LTE Band 48, 5G NR n48 | 3550 – 3700 | | -4.1 | | -3.8 | 0.6 | -3.3 |
| LTE Band 66, 5G NR n66 | 1710 – 1780 | 2.4 | -5.2 | 1.6 | -3.2 | | |
| 5G NR n70 | 1695 – 1710 | 2.4 | | 1.6 | | | |
| LTE Band 71, 5G NR n71 | 663 – 698 | -3.9 | -4.1 | | | | |
| 5G NR n77 | 3300 – 4200 | | -3.9 | | -5.5 | 3.0 | -1.7 |
| 5G NR n78 | 3300 – 3800 | | -5.5 | | -4.4 | 3.0 | -3.3 |



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## 6.3. MAXIMUM OUTPUT POWER

**EIRP/ERP TEST PROCEDURE**

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

ERP/EIRP = PMeas + GT − LC
where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);
PMeas = measured transmitter output power or PSD, in dBm or dBW;
GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted and ERP/EIRP output powers as follows:



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## LTE BAND 5

| Part 22H | |
|---|---|
| ERP Limit (W) | 7.00 |
| Antenna Gain (dBi) | -2.70 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 1.4 | QPSK | 824.7 | 848.3 | 23.70 | 18.85 | 0.077 | 1093.7 | 1M09G7W |
| | 16QAM | | | 23.50 | 18.65 | 0.073 | 1088.2 | 1M09D7W |
| 3.0 | QPSK | 825.5 | 847.5 | 23.70 | 18.85 | 0.077 | 2699.6 | 2M70G7W |
| | 16QAM | | | 23.60 | 18.75 | 0.075 | 2705.3 | 2M71D7W |
| 5.0 | QPSK | 826.5 | 846.5 | 23.80 | 18.95 | 0.079 | 4502.6 | 4M50G7W |
| | 16QAM | | | 23.70 | 18.85 | 0.077 | 4493.4 | 4M49D7W |
| 10.0 | QPSK | 829.0 | 844.0 | 24.30 | 19.45 | 0.088 | 8986.2 | 8M99G7W |
| | 16QAM | | | 23.90 | 19.05 | 0.080 | 9004.6 | 9M00D7W |

## 5G NR n5

| Part 22H | |
|---|---|
| ERP Limit (W) | 7.00 |
| Antenna Gain (dBi) | -2.70 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 826.5 | 846.5 | 24.40 | 19.55 | 0.090 | 4487.4 | 4M49G7W |
| | QPSK | | | 24.40 | 19.55 | 0.090 | 4494.7 | 4M49G7W |
| | 16QAM | | | 23.30 | 18.45 | 0.070 | 4504.5 | 4M50D7W |
| 10.0 | BPSK | 829.0 | 844.0 | 24.40 | 19.55 | 0.090 | 8975.6 | 8M98G7W |
| | QPSK | | | 24.40 | 19.55 | 0.090 | 8950.9 | 8M95G7W |
| | 16QAM | | | 23.60 | 18.75 | 0.075 | 8968.7 | 8M97D7W |
| 15.0 | BPSK | 831.5 | 841.5 | 24.40 | 19.55 | 0.090 | 13409 | 13M4G7W |
| | QPSK | | | 24.40 | 19.55 | 0.090 | 13427 | 13M4G7W |
| | 16QAM | | | 23.40 | 18.55 | 0.072 | 13429 | 13M4D7W |
| 20.0 | BPSK | 834.0 | 839.0 | 24.40 | 19.55 | 0.090 | 17846 | 17M8G7W |
| | QPSK | | | 24.40 | 19.55 | 0.090 | 17865 | 17M9G7W |
| | 16QAM | | | 23.40 | 18.55 | 0.072 | 17832 | 17M8D7W |

## LTE BAND 7

| Part 27 | |
|---|---|
| EIRP Limit (W) | 2.00 |
| Antenna Gain (dBi) | 1.40 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | QPSK | 2502.5 | 2567.5 | 24.20 | 25.60 | 0.363 | 4518.3 | 4M52G7W |
| | 16QAM | | | 23.70 | 25.10 | 0.324 | 4511.6 | 4M51D7W |
| 10.0 | QPSK | 2505.0 | 2565.0 | 24.10 | 25.50 | 0.355 | 9015 | 9M02G7W |
| | 16QAM | | | 23.90 | 25.30 | 0.339 | 8993.3 | 8M99D7W |
| 15.0 | QPSK | 2507.5 | 2562.5 | 24.10 | 25.50 | 0.355 | 13469 | 13M5G7W |
| | 16QAM | | | 23.80 | 25.20 | 0.331 | 13454 | 13M5D7W |
| 20.0 | QPSK | 2510.0 | 2560.0 | 24.20 | 25.60 | 0.363 | 17980 | 18M0G7W |
| | 16QAM | | | 23.80 | 25.20 | 0.331 | 17905 | 17M9D7W |



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## 5G NR n7

| Part 27 | |
|---|---|
| EIRP Limit (W) | 2.00 |
| Antenna Gain (dBi) | 1.40 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 2502.5 | 2567.5 | 24.50 | 25.90 | 0.389 | 4577.8 | 4M58G7W |
| | QPSK | | | 24.50 | 25.90 | 0.389 | 4506.3 | 4M51G7W |
| | 16QAM | | | 23.60 | 25.00 | 0.316 | 4613.4 | 4M61D7W |
| 10.0 | BPSK | 2505.0 | 2565.0 | 24.50 | 25.90 | 0.389 | 8986.7 | 8M99G7W |
| | QPSK | | | 24.50 | 25.90 | 0.389 | 8984.9 | 8M98G7W |
| | 16QAM | | | 23.60 | 25.00 | 0.316 | 8979.9 | 8M98D7W |
| 15.0 | BPSK | 2507.5 | 2562.5 | 24.60 | 26.00 | 0.398 | 13455 | 13M5G7W |
| | QPSK | | | 24.50 | 25.90 | 0.389 | 13475 | 13M5G7W |
| | 16QAM | | | 23.60 | 25.00 | 0.316 | 13426 | 13M4D7W |
| 20.0 | BPSK | 2510.0 | 2560.0 | 24.60 | 26.00 | 0.398 | 17962 | 18M0G7W |
| | QPSK | | | 24.50 | 25.90 | 0.389 | 17919 | 17M9G7W |
| | 16QAM | | | 23.60 | 25.00 | 0.316 | 17972 | 18M0D7W |
| 25.0 | BPSK | 2512.5 | 2557.5 | 24.60 | 26.00 | 0.398 | 22968 | 23M0G7W |
| | QPSK | | | 24.50 | 25.90 | 0.389 | 22935 | 22M9G7W |
| | 16QAM | | | 23.80 | 25.20 | 0.331 | 22975 | 23M0D7W |
| 30.0 | BPSK | 2515.0 | 2555.0 | 24.50 | 25.90 | 0.389 | 28740 | 28M7G7W |
| | QPSK | | | 24.50 | 25.90 | 0.389 | 28660 | 28M7G7W |
| | 16QAM | | | 23.80 | 25.20 | 0.331 | 28801 | 28M8D7W |
| 40.0 | BPSK | 2520.0 | 2550.0 | 24.50 | 25.90 | 0.389 | 38755 | 38M8G7W |
| | QPSK | | | 24.50 | 25.90 | 0.389 | 38722 | 38M7G7W |
| | 16QAM | | | 23.80 | 25.20 | 0.331 | 38649 | 38M6D7W |
| 50.0 | BPSK | 2525.0 | 2545.0 | 24.60 | 26.00 | 0.398 | 48300 | 48M3G7W |
| | QPSK | | | 24.50 | 25.90 | 0.389 | 48225 | 48M2G7W |
| | 16QAM | | | 23.70 | 25.10 | 0.324 | 48205 | 48M2D7W |

## LTE BAND 12

| Part 27 | |
|---|---|
| ERP Limit (W) | 3.00 |
| Antenna Gain (dBi) | -1.90 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 1.4 | QPSK | 699.7 | 715.3 | 24.20 | 20.15 | 0.104 | 1086.5 | 1M09G7W |
| | 16QAM | | | 23.70 | 19.65 | 0.092 | 1089.8 | 1M09D7W |
| 3.0 | QPSK | 700.5 | 714.5 | 24.20 | 20.15 | 0.104 | 2703.1 | 2M70G7W |
| | 16QAM | | | 23.70 | 19.65 | 0.092 | 2701.8 | 2M70D7W |
| 5.0 | QPSK | 701.5 | 713.5 | 24.10 | 20.05 | 0.101 | 4515.3 | 4M52G7W |
| | 16QAM | | | 23.70 | 19.65 | 0.092 | 4499.8 | 4M50D7W |
| 10.0 | QPSK | 704.0 | 711.0 | 24.20 | 20.15 | 0.104 | 9011.9 | 9M01G7W |
| | 16QAM | | | 23.80 | 19.75 | 0.094 | 8983 | 8M98D7W |



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## 5G NR n12

| Part 27 | |
|---|---|
| ERP Limit (W) | 3.00 |
| Antenna Gain (dBi) | -1.90 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 701.5 | 713.5 | 24.40 | 20.35 | 0.108 | 4492.1 | 4M49G7W |
| | QPSK | | | 24.40 | 20.35 | 0.108 | 4484.6 | 4M48G7W |
| | 16QAM | | | 23.50 | 19.45 | 0.088 | 4503.8 | 4M50D7W |
| 10.0 | BPSK | 704.0 | 711.0 | 24.30 | 20.25 | 0.106 | 8966.5 | 8M97G7W |
| | QPSK | | | 24.30 | 20.25 | 0.106 | 8974.7 | 8M97G7W |
| | 16QAM | | | 23.50 | 19.45 | 0.088 | 8951.3 | 8M95D7W |
| 15.0 | BPSK | 706.5 | 708.5 | 24.40 | 20.35 | 0.108 | 13437 | 13M4G7W |
| | QPSK | | | 24.30 | 20.25 | 0.106 | 13426 | 13M4G7W |
| | 16QAM | | | 23.70 | 19.65 | 0.092 | 13413 | 13M4D7W |

## LTE BAND 13

| Part 27 | |
|---|---|
| ERP Limit (W) | 3.00 |
| Antenna Gain (dBi) | -2.00 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | QPSK | 779.5 | 784.5 | 24.40 | 20.25 | 0.106 | 4503.7 | 4M50G7W |
| | 16QAM | | | 23.50 | 19.35 | 0.086 | 4504.9 | 4M50D7W |
| 10.0 | QPSK | 782.0 | 782.0 | 24.50 | 20.35 | 0.108 | 8973.6 | 8M97G7W |
| | 16QAM | | | 23.40 | 19.25 | 0.084 | 8967 | 8M97D7W |

## LTE BAND 14

| Part 90R | |
|---|---|
| ERP Limit (W) | 3.00 |
| Antenna Gain (dBi) | -2.20 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | QPSK | 790.5 | 795.5 | 24.50 | 20.15 | 0.104 | 4512.4 | 4M51G7W |
| | 16QAM | | | 24.00 | 19.65 | 0.092 | 4502.6 | 4M50D7W |
| 10.0 | QPSK | 793.0 | 793.0 | 24.40 | 20.05 | 0.101 | 9004.2 | 9M00G7W |
| | 16QAM | | | 23.80 | 19.45 | 0.088 | 8982.2 | 8M98D7W |

## 5G NR n14

| Part 90R | |
|---|---|
| ERP Limit (W) | 3.00 |
| Antenna Gain (dBi) | -2.20 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 790.5 | 795.5 | 24.30 | 19.95 | 0.099 | 4497.2 | 4M50G7W |
| | QPSK | | | 24.30 | 19.95 | 0.099 | 4496.8 | 4M50G7W |
| | 16QAM | | | 23.60 | 19.25 | 0.084 | 4507.4 | 4M51D7W |
| 10.0 | BPSK | 793.0 | 793.0 | 24.30 | 19.95 | 0.099 | 8962.9 | 8M96G7W |
| | QPSK | | | 24.20 | 19.85 | 0.097 | 8980.2 | 8M98G7W |
| | 16QAM | | | 23.30 | 18.95 | 0.079 | 8962.5 | 8M96D7W |



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## LTE BAND 17

| Part 27 | |
|---|---|
| ERP Limit (W) | 3.00 |
| Antenna Gain (dBi) | -1.90 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | QPSK | 706.5 | 713.5 | 24.30 | 20.25 | 0.106 | 4528.1 | 4M53G7W |
| | 16QAM | | | 23.70 | 19.65 | 0.092 | 4523 | 4M52D7W |
| 10.0 | QPSK | 709.0 | 711.0 | 24.30 | 20.25 | 0.106 | 9010.4 | 9M01G7W |
| | 16QAM | | | 23.70 | 19.65 | 0.092 | 9007 | 9M01D7W |

## LTE BAND 25

| Part 24 | |
|---|---|
| EIRP Limit (W) | 2.00 |
| Antenna Gain (dBi) | 1.90 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 1.4 | QPSK | 1850.7 | 1914.3 | 24.20 | 26.10 | 0.407 | 1089.5 | 1M09G7W |
| | 16QAM | | | 23.40 | 25.30 | 0.339 | 1093 | 1M09D7W |
| 3.0 | QPSK | 1851.5 | 1913.5 | 24.30 | 26.20 | 0.417 | 2701.6 | 2M70G7W |
| | 16QAM | | | 23.50 | 25.40 | 0.347 | 2702.5 | 2M70D7W |
| 5.0 | QPSK | 1852.5 | 1912.5 | 24.20 | 26.10 | 0.407 | 4519.1 | 4M52G7W |
| | 16QAM | | | 23.70 | 25.60 | 0.363 | 4516 | 4M52D7W |
| 10.0 | QPSK | 1855.0 | 1910.0 | 24.40 | 26.30 | 0.427 | 9014.7 | 9M01G7W |
| | 16QAM | | | 23.60 | 25.50 | 0.355 | 9009.4 | 9M01D7W |
| 15.0 | QPSK | 1857.5 | 1907.5 | 24.30 | 26.20 | 0.417 | 13488 | 13M5G7W |
| | 16QAM | | | 23.60 | 25.50 | 0.355 | 13467 | 13M5D7W |
| 20.0 | QPSK | 1860.0 | 1905.0 | 24.50 | 26.40 | 0.437 | 17963 | 18M0G7W |
| | 16QAM | | | 23.80 | 25.70 | 0.372 | 17967 | 18M0D7W |



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## 5G NR n25

| Part 24 | |
|---|---|
| EIRP Limit (W) | 2.00 |
| Antenna Gain (dBi) | 1.90 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 1852.5 | 1912.5 | 24.30 | 26.20 | 0.417 | 4590.3 | 4M59G7W |
| | QPSK | | | 24.30 | 26.20 | 0.417 | 4503 | 4M50G7W |
| | 16QAM | | | 23.30 | 25.20 | 0.331 | 4586.5 | 4M59D7W |
| 10.0 | BPSK | 1855.0 | 1910.0 | 24.30 | 26.20 | 0.417 | 8972.4 | 8M97G7W |
| | QPSK | | | 24.30 | 26.20 | 0.417 | 8974.7 | 8M97G7W |
| | 16QAM | | | 23.40 | 25.30 | 0.339 | 8970 | 8M97D7W |
| 15.0 | BPSK | 1857.5 | 1907.5 | 24.30 | 26.20 | 0.417 | 13460 | 13M5G7W |
| | QPSK | | | 24.20 | 26.10 | 0.407 | 13448 | 13M4G7W |
| | 16QAM | | | 23.40 | 25.30 | 0.339 | 13445 | 13M4D7W |
| 20.0 | BPSK | 1860.0 | 1905.0 | 24.30 | 26.20 | 0.417 | 17915 | 17M9G7W |
| | QPSK | | | 24.30 | 26.20 | 0.417 | 17907 | 17M9G7W |
| | 16QAM | | | 23.30 | 25.20 | 0.331 | 17914 | 17M9D7W |
| 25.0 | BPSK | 1862.5 | 1902.5 | 24.50 | 26.40 | 0.437 | 22950 | 23M0G7W |
| | QPSK | | | 24.50 | 26.40 | 0.437 | 22933 | 22M9G7W |
| | 16QAM | | | 23.70 | 25.60 | 0.363 | 22895 | 22M9D7W |
| 30.0 | BPSK | 1865.0 | 1900.0 | 24.60 | 26.50 | 0.447 | 28693 | 28M7G7W |
| | QPSK | | | 24.50 | 26.40 | 0.437 | 28663 | 28M7G7W |
| | 16QAM | | | 23.60 | 25.50 | 0.355 | 28614 | 28M6D7W |
| 35.0 | BPSK | 1867.5 | 1897.5 | 24.50 | 26.40 | 0.437 | 32262 | 32M3G7W |
| | QPSK | | | 24.50 | 26.40 | 0.437 | 32249 | 32M2G7W |
| | 16QAM | | | 23.60 | 25.50 | 0.355 | 32323 | 32M3D7W |
| 40.0 | BPSK | 1870.0 | 1895.0 | 24.60 | 26.50 | 0.447 | 38731 | 38M7G7W |
| | QPSK | | | 24.60 | 26.50 | 0.447 | 38624 | 38M6G7W |
| | 16QAM | | | 23.90 | 25.80 | 0.380 | 38740 | 38M7D7W |

## LTE BAND 26 (Part 90S)

| Part 90S | |
|---|---|
| Conducted Limit (W) | 100.00 |
| Antenna Gain (dBi) | -2.50 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | Conducted Average (W) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|---|
| 1.4 | QPSK | 814.7 | 823.3 | 25.00 | 0.32 | 20.35 | 0.108 | 1092.1 | 1M09G7W |
| | 16QAM | | | 24.10 | 0.26 | 19.45 | 0.088 | 1093.9 | 1M09D7W |
| 3.0 | QPSK | 815.5 | 822.5 | 25.00 | 0.32 | 20.35 | 0.108 | 2703.8 | 2M70G7W |
| | 16QAM | | | 24.10 | 0.26 | 19.45 | 0.088 | 2701.3 | 2M70D7W |
| 5.0 | QPSK | 816.5 | 821.5 | 24.70 | 0.30 | 20.05 | 0.101 | 4504.9 | 4M50G7W |
| | 16QAM | | | 23.90 | 0.25 | 19.25 | 0.084 | 4512.3 | 4M51D7W |
| 10.0 | QPSK | 819.0 | 819.0 | 24.70 | 0.30 | 20.05 | 0.101 | 8991.5 | 8M99G7W |
| | 16QAM | | | 23.90 | 0.25 | 19.25 | 0.084 | 9001.8 | 9M00D7W |

## 5G NR n26 (Part 90S)

| Part 90S | |
|---|---|
| Conducted Limit (W) | 100.00 |
| Antenna Gain (dBi) | -2.50 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | Conducted Average (W) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 816.5 | 821.5 | 24.40 | 0.28 | 19.75 | 0.094 | 4497.5 | 4M50G7W |
| | QPSK | | | 24.30 | 0.27 | 19.65 | 0.092 | 4502.6 | 4M50G7W |
| | 16QAM | | | 23.50 | 0.22 | 18.85 | 0.077 | 4495.5 | 4M50D7W |
| 10.0 | BPSK | 819.0 | 819.0 | 24.30 | 0.27 | 19.65 | 0.092 | 8969.4 | 8M97G7W |
| | QPSK | | | 24.30 | 0.27 | 19.65 | 0.092 | 8980.5 | 8M98G7W |
| | 16QAM | | | 23.20 | 0.21 | 18.55 | 0.072 | 8957.6 | 8M96D7W |



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## LTE BAND 26 (Part 22)

| Part 22 | |
|---|---|
| ERP Limit (W) | 7.00 |
| Antenna Gain (dBi) | -2.50 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 1.4 | QPSK | 824.7 | 848.3 | 24.50 | 19.85 | 0.097 | 1087.5 | 1M09G7W |
| | 16QAM | | | 23.80 | 19.15 | 0.082 | 1087.7 | 1M09D7W |
| 3.0 | QPSK | 825.5 | 847.5 | 24.50 | 19.85 | 0.097 | 2710.5 | 2M71G7W |
| | 16QAM | | | 23.70 | 19.05 | 0.080 | 2702.4 | 2M70D7W |
| 5.0 | QPSK | 826.5 | 846.5 | 24.50 | 19.85 | 0.097 | 4498 | 4M50G7W |
| | 16QAM | | | 23.90 | 19.25 | 0.084 | 4500.7 | 4M50D7W |
| 10.0 | QPSK | 829.0 | 844.0 | 24.50 | 19.85 | 0.097 | 8989.5 | 8M99G7W |
| | 16QAM | | | 23.90 | 19.25 | 0.084 | 8982.8 | 8M98D7W |
| 15.0 | QPSK | 831.5 | 841.5 | 24.40 | 19.75 | 0.094 | 13422 | 13M4G7W |
| | 16QAM | | | 23.50 | 18.85 | 0.077 | 13433 | 13M4D7W |

## 5G NR n26 (Part 22)

| Part 22 | |
|---|---|
| ERP Limit (W) | 7.00 |
| Antenna Gain (dBi) | -2.50 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 826.5 | 846.5 | 24.40 | 19.75 | 0.094 | 4499.6 | 4M50G7W |
| | QPSK | | | 24.40 | 19.75 | 0.094 | 4490.6 | 4M49G7W |
| | 16QAM | | | 23.50 | 18.85 | 0.077 | 4500.9 | 4M50D7W |
| 10.0 | BPSK | 829.0 | 844.0 | 24.40 | 19.75 | 0.094 | 8962.3 | 8M96G7W |
| | QPSK | | | 24.40 | 19.75 | 0.094 | 8962.4 | 8M96G7W |
| | 16QAM | | | 23.60 | 18.95 | 0.079 | 8985.8 | 8M99D7W |
| 15.0 | BPSK | 831.5 | 841.5 | 24.40 | 19.75 | 0.094 | 13433 | 13M4G7W |
| | QPSK | | | 24.40 | 19.75 | 0.094 | 13405 | 13M4G7W |
| | 16QAM | | | 23.40 | 18.75 | 0.075 | 13416 | 13M4D7W |
| 20.0 | BPSK | 834.0 | 839.0 | 24.30 | 19.65 | 0.092 | 17920 | 17M9G7W |
| | QPSK | | | 24.30 | 19.65 | 0.092 | 17897 | 17M9G7W |
| | 16QAM | | | 23.40 | 18.75 | 0.075 | 17890 | 17M9D7W |

## LTE BAND 30

| Part 27 | |
|---|---|
| EIRP Limit (W) | 0.25 |
| Antenna Gain (dBi) | 0.10 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | QPSK | 2307.5 | 2312.5 | 23.80 | 23.90 | 0.245 | 4511.8 | 4M51G7W |
| | 16QAM | | | 23.30 | 23.40 | 0.219 | 4510.8 | 4M51D7W |
| 10.0 | QPSK | 2310.0 | 2310.0 | 23.70 | 23.80 | 0.240 | 9011.5 | 9M01G7W |
| | 16QAM | | | 23.30 | 23.40 | 0.219 | 8993.5 | 8M99D7W |



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**5G NR n30**

| Part 27 | |
|---|---|
| EIRP Limit (W) | 0.25 |
| Antenna Gain (dBi) | 0.10 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 2307.5 | 2312.5 | 23.70 | 23.80 | 0.240 | 4498.7 | 4M50G7W |
| | QPSK | | | 23.70 | 23.80 | 0.240 | 4493.8 | 4M49G7W |
| | 16QAM | | | 23.40 | 23.50 | 0.224 | 4503.8 | 4M50D7W |
| 10.0 | BPSK | 2310.0 | 2310.0 | 23.70 | 23.80 | 0.240 | 8967.9 | 8M97G7W |
| | QPSK | | | 23.70 | 23.80 | 0.240 | 8976.9 | 8M98G7W |
| | 16QAM | | | 23.10 | 23.20 | 0.209 | 8991.6 | 8M99D7W |

**LTE BAND 41 HPUE**

| Part 27 | |
|---|---|
| EIRP Limit (W) | 2.00 |
| Antenna Gain (dBi) | 1.00 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | QPSK | 2498.5 | 2687.5 | 25.90 | 26.90 | 0.490 | 45065 | 45M1G7W |
| | 16QAM | | | 25.30 | 26.30 | 0.427 | 4502 | 4M50D7W |
| 10.0 | QPSK | 2501.0 | 2685.0 | 25.90 | 26.90 | 0.490 | 8988.9 | 8M99G7W |
| | 16QAM | | | 25.00 | 26.00 | 0.398 | 8992.1 | 8M99D7W |
| 15.0 | QPSK | 2503.5 | 2682.5 | 25.90 | 26.90 | 0.490 | 13450 | 13M5G7W |
| | 16QAM | | | 25.10 | 26.10 | 0.407 | 13450 | 13M5D7W |
| 20.0 | QPSK | 2506.0 | 2680.0 | 25.90 | 26.90 | 0.490 | 17908 | 17M9G7W |
| | 16QAM | | | 24.90 | 25.90 | 0.389 | 17962 | 18M0D7W |



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## 5G NR n41 HPUE

| Part 27 | |
|---|---|
| EIRP Limit (W) | 2.00 |
| Antenna Gain (dBi) | 1.00 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 10.0 | BPSK | 2501.0 | 2685.0 | 25.90 | 26.90 | 0.490 | 8664.8 | 8M66G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 8668.1 | 8M67G7W |
| | 16QAM | | | 25.30 | 26.30 | 0.427 | 8680.3 | 8M68D7W |
| 15.0 | BPSK | 2503.5 | 2682.5 | 25.90 | 26.90 | 0.490 | 12922 | 12M9G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 12933 | 12M9G7W |
| | 16QAM | | | 25.20 | 26.20 | 0.417 | 12907 | 12M9D7W |
| 20.0 | BPSK | 2506.0 | 2680.0 | 25.90 | 26.90 | 0.490 | 17926 | 17M9G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 17889 | 17M9G7W |
| | 16QAM | | | 24.90 | 25.90 | 0.389 | 17873 | 17M9D7W |
| 25.0 | BPSK | 2508.5 | 2682.5 | 26.30 | 27.30 | 0.537 | 22981 | 23M0G7W |
| | QPSK | | | 26.40 | 27.40 | 0.550 | 22974 | 23M0G7W |
| | 16QAM | | | 24.00 | 25.00 | 0.316 | 22924 | 22M9D7W |
| 30.0 | BPSK | 2511.0 | 2675.0 | 25.90 | 26.90 | 0.490 | 26960 | 27M0G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 26937 | 26M9G7W |
| | 16QAM | | | 25.50 | 26.50 | 0.447 | 26892 | 26M9D7W |
| 40.0 | BPSK | 2516.0 | 2670.0 | 25.90 | 26.90 | 0.490 | 35856 | 35M9G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 35799 | 35M8G7W |
| | 16QAM | | | 25.10 | 26.10 | 0.407 | 35765 | 35M8D7W |
| 50.0 | BPSK | 2521.0 | 2665.0 | 25.90 | 26.90 | 0.490 | 45782 | 45M8G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 45771 | 45M8G7W |
| | 16QAM | | | 25.30 | 26.30 | 0.427 | 45678 | 45M7D7W |
| 60.0 | BPSK | 2526.0 | 2660.0 | 25.90 | 26.90 | 0.490 | 58026 | 58M0G7W |
| | QPSK | | | 25.80 | 26.80 | 0.479 | 57957 | 58M0G7W |
| | 16QAM | | | 25.00 | 26.00 | 0.398 | 57955 | 58M0D7W |
| 70.0 | BPSK | 2531.0 | 2655.0 | 25.90 | 26.90 | 0.490 | 64486 | 64M5G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 64580 | 64M6G7W |
| | 16QAM | | | 24.90 | 25.90 | 0.389 | 64501 | 64M5D7W |
| 80.0 | BPSK | 2536.0 | 2650.0 | 25.90 | 26.90 | 0.490 | 77398 | 77M4G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 77476 | 77M5G7W |
| | 16QAM | | | 25.20 | 26.20 | 0.417 | 77454 | 77M5D7W |
| 90.0 | BPSK | 2541.0 | 2645.0 | 25.90 | 26.90 | 0.490 | 87125 | 87M1G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 87144 | 87M1G7W |
| | 16QAM | | | 25.30 | 26.30 | 0.427 | 87074 | 87M1D7W |
| 100.0 | BPSK | 2546.0 | 2640.0 | 25.90 | 26.90 | 0.490 | 96785 | 96M8G7W |
| | QPSK | | | 25.90 | 26.90 | 0.490 | 96612 | 96M6G7W |
| | 16QAM | | | 25.20 | 26.20 | 0.417 | 96523 | 96M5D7W |

## LTE BAND 48

| Part 96 | |
|---|---|
| EIRP Limit (W)/ 10MHz | 0.20 |
| Antenna Gain (dBi) | 0.60 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | QPSK | 3552.5 | 3697.5 | 21.60 | 22.20 | 0.166 | 4489.7 | 4M49G7W |
| | 16QAM | | | 21.60 | 22.20 | 0.166 | 4488.4 | 4M49D7W |
| 10.0 | QPSK | 3555.0 | 3695.0 | 21.70 | 22.30 | 0.170 | 8975.8 | 8M98G7W |
| | 16QAM | | | 21.70 | 22.30 | 0.170 | 9022 | 9M02D7W |
| 15.0 | QPSK | 3557.5 | 3692.5 | 21.80 | 22.40 | 0.174 | 13427 | 13M4G7W |
| | 16QAM | | | 21.80 | 22.40 | 0.174 | 13406 | 13M4D7W |
| 20.0 | QPSK | 3560.0 | 3690.0 | 22.10 | 22.70 | 0.186 | 17902 | 17M9G7W |
| | 16QAM | | | 22.00 | 22.60 | 0.182 | 17931 | 17M9D7W |



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## 5G NR n48

| Part 96 | |
|---|---|
| EIRP Limit (W) | 0.20 |
| Antenna Gain (dBi) | 0.60 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 10.0 | BPSK | 3555.0 | 3695.0 | 22.00 | 22.60 | 0.182 | 8604.4 | 8M60G7W |
| | QPSK | | | 22.00 | 22.60 | 0.182 | 8631.8 | 8M63G7W |
| | 16QAM | | | 21.80 | 22.40 | 0.174 | 8593.4 | 8M59D7W |
| 15.0 | BPSK | 3557.5 | 3692.5 | 22.00 | 22.60 | 0.182 | 12869 | 12M9G7W |
| | QPSK | | | 21.90 | 22.50 | 0.178 | 12828 | 12M8G7W |
| | 16QAM | | | 21.90 | 22.50 | 0.178 | 12954 | 13M0D7W |
| 20.0 | BPSK | 3560.0 | 3690.0 | 21.90 | 22.50 | 0.178 | 17795 | 17M8G7W |
| | QPSK | | | 21.90 | 22.50 | 0.178 | 17898 | 17M9G7W |
| | 16QAM | | | 21.60 | 22.20 | 0.166 | 17910 | 17M9D7W |
| 30.0 | BPSK | 3565.0 | 3685.0 | 21.90 | 22.50 | 0.178 | 26795 | 26M8G7W |
| | QPSK | | | 21.90 | 22.50 | 0.178 | 26827 | 26M8G7W |
| | 16QAM | | | 21.80 | 22.40 | 0.174 | 26895 | 26M9D7W |
| 40.0 | BPSK | 3570.0 | 3680.0 | 22.00 | 22.60 | 0.182 | 35681 | 35M7G7W |
| | QPSK | | | 21.90 | 22.50 | 0.178 | 35695 | 35M7G7W |
| | 16QAM | | | 21.80 | 22.40 | 0.174 | 35737 | 35M7D7W |

## LTE BAND 66

| Part 27 | |
|---|---|
| EIRP Limit (W) | 1.00 |
| Antenna Gain (dBi) | 2.40 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 1.4 | QPSK | 1710.7 | 1779.3 | 23.80 | 26.20 | 0.417 | 1088.4 | 1M09G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 1090.6 | 1M09D7W |
| 3.0 | QPSK | 1711.5 | 1778.5 | 23.80 | 26.20 | 0.417 | 2687.8 | 2M69G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 2698.7 | 2M70D7W |
| 5.0 | QPSK | 1712.5 | 1777.5 | 23.60 | 26.00 | 0.398 | 4501.7 | 4M50G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 4499.5 | 4M50D7W |
| 10.0 | QPSK | 1715.0 | 1775.0 | 23.70 | 26.10 | 0.407 | 8994.3 | 8M99G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 8978.3 | 8M98D7W |
| 15.0 | QPSK | 1717.5 | 1772.5 | 23.70 | 26.10 | 0.407 | 13453 | 13M5G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 13480 | 13M5D7W |
| 20.0 | QPSK | 1720.0 | 1770.0 | 23.70 | 26.10 | 0.407 | 17928 | 17M9G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 17913 | 17M9D7W |



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## 5G NR n66

| Part 27 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| EIRP Limit (W) | | 1.00 | | | | | | |
| Antenna Gain (dBi) | | 2.40 | | | | | | |
| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
| 5.0 | BPSK | 1712.5 | 1777.5 | 23.80 | 26.20 | 0.417 | 4501.5 | 4M50G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 4503.1 | 4M50G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 4513.5 | 4M51D7W |
| 10.0 | BPSK | 1715.0 | 1775.0 | 23.80 | 26.20 | 0.417 | 8981.6 | 8M98G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 8993.4 | 8M99G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 8961.7 | 8M96D7W |
| 15.0 | BPSK | 1717.5 | 1772.5 | 23.80 | 26.20 | 0.417 | 13470 | 13M5G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 13452 | 13M5G7W |
| | 16QAM | | | 22.90 | 25.30 | 0.339 | 13441 | 13M4D7W |
| 20.0 | BPSK | 1720.0 | 1770.0 | 23.80 | 26.20 | 0.417 | 17896 | 17M9G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 17904 | 17M9G7W |
| | 16QAM | | | 23.10 | 25.50 | 0.355 | 17857 | 17M9D7W |
| 25.0 | BPSK | 1722.5 | 1767.5 | 23.80 | 26.20 | 0.417 | 22951 | 23M0G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 22952 | 23M0G7W |
| | 16QAM | | | 23.30 | 25.70 | 0.372 | 23029 | 23M0D7W |
| 30.0 | BPSK | 1725.0 | 1765.0 | 23.80 | 26.20 | 0.417 | 28688 | 28M7G7W |
| | QPSK | | | 23.70 | 26.10 | 0.407 | 28714 | 28M7G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 28718 | 28M7D7W |
| 40.0 | BPSK | 1730.0 | 1760.0 | 23.80 | 26.20 | 0.417 | 38698 | 38M7G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 38735 | 38M7G7W |
| | 16QAM | | | 23.50 | 25.90 | 0.389 | 38647 | 38M6D7W |

## 5G NR n70

| Part 27 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| EIRP Limit (W) | | 1.00 | | | | | | |
| Antenna Gain (dBi) | | 2.40 | | | | | | |
| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
| 5.0 | BPSK | 1697.5 | 1707.5 | 23.90 | 26.30 | 0.427 | 4491.1 | 4M49G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 4504.9 | 4M50G7W |
| | 16QAM | | | 23.00 | 25.40 | 0.347 | 4496.5 | 4M50D7W |
| 10.0 | BPSK | 1700.0 | 1705.0 | 23.90 | 26.30 | 0.427 | 8983.4 | 8M98G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 8987.3 | 8M99G7W |
| | 16QAM | | | 22.90 | 25.30 | 0.339 | 8989.3 | 8M99D7W |
| 15.0 | BPSK | 1702.5 | 1702.5 | 23.80 | 26.20 | 0.417 | 13442 | 13M4G7W |
| | QPSK | | | 23.80 | 26.20 | 0.417 | 13422 | 13M4G7W |
| | 16QAM | | | 22.80 | 25.20 | 0.331 | 13405 | 13M4D7W |

## LTE BAND 71

| Part 27 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ERP Limit (W) | | 3.00 | | | | | | |
| Antenna Gain (dBi) | | -3.90 | | | | | | |
| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
| 5.0 | QPSK | 665.5 | 695.5 | 24.40 | 18.35 | 0.068 | 4511.4 | 4M51G7W |
| | 16QAM | | | 23.80 | 17.75 | 0.060 | 4511.5 | 4M51D7W |
| 10.0 | QPSK | 668.0 | 693.0 | 24.90 | 18.85 | 0.077 | 8983.2 | 8M98G7W |
| | 16QAM | | | 23.90 | 17.85 | 0.061 | 8997.3 | 9M00D7W |
| 15.0 | QPSK | 670.5 | 690.5 | 24.90 | 18.85 | 0.077 | 13479 | 13M5G7W |
| | 16QAM | | | 24.00 | 17.95 | 0.062 | 13447 | 13M4D7W |
| 20.0 | QPSK | 673.0 | 688.0 | 24.80 | 18.75 | 0.075 | 17905 | 17M9G7W |
| | 16QAM | | | 24.10 | 18.05 | 0.064 | 17905 | 17M9D7W |



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## 5G NR n71

| Part 27 | |
|---|---|
| ERP Limit (W) | 3.00 |
| Antenna Gain (dBi)_Ant(1) | -3.90 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | ERP Average (dBm) | ERP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 5.0 | BPSK | 665.5 | 695.5 | 24.70 | 18.65 | 0.073 | 4482.7 | 4M48G7W |
| | QPSK | | | 24.70 | 18.65 | 0.073 | 4507.6 | 4M51G7W |
| | 16QAM | | | 23.70 | 17.65 | 0.058 | 4479.1 | 4M48D7W |
| 10.0 | BPSK | 668.0 | 693.0 | 24.70 | 18.65 | 0.073 | 8956.1 | 8M96G7W |
| | QPSK | | | 24.70 | 18.65 | 0.073 | 8997.4 | 9M00G7W |
| | 16QAM | | | 23.80 | 17.75 | 0.060 | 8949.7 | 8M95D7W |
| 15.0 | BPSK | 670.5 | 690.5 | 24.70 | 18.65 | 0.073 | 13467 | 13M5D7W |
| | QPSK | | | 24.70 | 18.65 | 0.073 | 13438 | 13M4D7W |
| | 16QAM | | | 23.70 | 17.65 | 0.058 | 13450 | 13M5D7W |
| 20.0 | BPSK | 673.0 | 688.0 | 24.70 | 18.65 | 0.073 | 17907 | 17M9G7W |
| | QPSK | | | 24.70 | 18.65 | 0.073 | 17863 | 17M9G7W |
| | 16QAM | | | 23.70 | 17.65 | 0.058 | 17861 | 17M9D7W |

## 5G NR n77 (Part 27 3450-3550MHz) HPUE

| Part 27 | |
|---|---|
| EIRP Limit (W) | 1.00 |
| Antenna Gain (dBi) | 3.00 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 10.0 | BPSK | 3455.0 | 3545.0 | 26.10 | 29.10 | 0.813 | 8679 | 8M68G7W |
| | QPSK | | | 26.10 | 29.10 | 0.813 | 8637.1 | 8M64G7W |
| | 16QAM | | | 25.00 | 28.00 | 0.631 | 8639 | 8M64D7W |
| 15.0 | BPSK | 3457.5 | 3542.5 | 26.20 | 29.20 | 0.832 | 12925 | 12M9G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 12903 | 12M9G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 12924 | 12M9D7W |
| 20.0 | BPSK | 3460.0 | 3540.0 | 26.30 | 29.30 | 0.851 | 17957 | 18M0G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 17879 | 17M9G7W |
| | 16QAM | | | 25.00 | 28.00 | 0.631 | 17937 | 17M9D7W |
| 25.0 | BPSK | 3462.5 | 3537.5 | 26.20 | 29.20 | 0.832 | 22982 | 23M0G7W |
| | QPSK | | | 26.10 | 29.10 | 0.813 | 23014 | 23M0G7W |
| | 16QAM | | | 25.00 | 28.00 | 0.631 | 23092 | 23M1D7W |
| 30.0 | BPSK | 3465.0 | 3535.0 | 26.30 | 29.30 | 0.851 | 26883 | 26M9G7W |
| | QPSK | | | 26.30 | 29.30 | 0.851 | 26860 | 26M9G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 26905 | 26M9D7W |
| 40.0 | BPSK | 3470.0 | 3530.0 | 26.30 | 29.30 | 0.851 | 35769 | 35M8G7W |
| | QPSK | | | 26.30 | 29.30 | 0.851 | 35816 | 35M8G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 35819 | 35M8D7W |
| 50.0 | BPSK | 3475.0 | 3525.0 | 26.30 | 29.30 | 0.851 | 45874 | 45M9G7W |
| | QPSK | | | 26.30 | 29.30 | 0.851 | 45850 | 45M9G7W |
| | 16QAM | | | 25.30 | 28.30 | 0.676 | 45756 | 45M8D7W |
| 60.0 | BPSK | 3480.0 | 3520.0 | 26.30 | 29.30 | 0.851 | 58008 | 58M0G7W |
| | QPSK | | | 26.30 | 29.30 | 0.851 | 57990 | 58M0G7W |
| | 16QAM | | | 25.30 | 28.30 | 0.676 | 58014 | 58M0D7W |
| 70.0 | BPSK | 3485.0 | 3515.0 | 26.40 | 29.40 | 0.871 | 64487 | 64M5G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 64474 | 64M5G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 64411 | 64M4D7W |
| 80.0 | BPSK | 3490.0 | 3510.0 | 26.40 | 29.40 | 0.871 | 77476 | 77M5G7W |
| | QPSK | | | 26.40 | 29.40 | 0.871 | 77354 | 77M4G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 77163 | 77M2D7W |
| 90.0 | BPSK | 3495.0 | 3505.0 | 26.40 | 29.40 | 0.871 | 85868 | 85M9G7W |
| | QPSK | | | 26.40 | 29.40 | 0.871 | 85825 | 85M8G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 85634 | 85M6D7W |
| 100.0 | BPSK | 3500.0 | 3500.0 | 26.30 | 29.30 | 0.851 | 96681 | 96M7G7W |
| | QPSK | | | 26.30 | 29.30 | 0.851 | 96767 | 96M8G7W |
| | 16QAM | | | 25.30 | 28.30 | 0.676 | 96709 | 96M7D7W |



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**5G NR n77 (Part 27 3700-3980MHz) HPUE**

| Part 27 | |
|---|---|
| EIRP Limit (W) | 1.00 |
| Antenna Gain (dBi) | 3.00 |

| Bandwidth (MHz) | Modulation | Low Frequency (MHz) | Upper Frequency (MHz) | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Average (W) | 99% BW (kHz) | Emission Designator |
|---|---|---|---|---|---|---|---|---|
| 10.0 | BPSK | 3705.0 | 3975.0 | 26.20 | 29.20 | 0.832 | 8556.9 | 8M56G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 8637.1 | 8M64G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 8633.4 | 8M63D7W |
| 15.0 | BPSK | 3707.5 | 3972.5 | 26.30 | 29.30 | 0.851 | 12808 | 12M8G7W |
| | QPSK | | | 26.30 | 29.30 | 0.851 | 12895 | 12M9G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 12822 | 12M8D7W |
| 20.0 | BPSK | 3710.0 | 3970.0 | 26.20 | 29.20 | 0.832 | 17894 | 17M9G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 17842 | 17M8G7W |
| | 16QAM | | | 25.10 | 28.10 | 0.646 | 17793 | 17M8D7W |
| 25.0 | BPSK | 3712.5 | 3967.5 | 26.10 | 29.10 | 0.813 | 22946 | 22M9G7W |
| | QPSK | | | 26.10 | 29.10 | 0.813 | 22951 | 23M0G7W |
| | 16QAM | | | 25.00 | 28.00 | 0.631 | 22862 | 22M9D7W |
| 30.0 | BPSK | 3715.0 | 3965.0 | 26.30 | 29.30 | 0.851 | 26703 | 26M7G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 26745 | 26M7G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 26805 | 26M8D7W |
| 40.0 | BPSK | 3720.0 | 3960.0 | 26.30 | 29.30 | 0.851 | 35817 | 35M8G7W |
| | QPSK | | | 26.30 | 29.30 | 0.851 | 35881 | 35M9G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 35459 | 35M5D7W |
| 50.0 | BPSK | 3725.0 | 3955.0 | 26.10 | 29.10 | 0.813 | 45839 | 45M8G7W |
| | QPSK | | | 26.10 | 29.10 | 0.813 | 45692 | 45M7G7W |
| | 16QAM | | | 24.90 | 27.90 | 0.617 | 45810 | 45M8D7W |
| 60.0 | BPSK | 3730.0 | 3950.0 | 26.20 | 29.20 | 0.832 | 57435 | 57M4G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 57684 | 57M7G7W |
| | 16QAM | | | 25.00 | 28.00 | 0.631 | 57913 | 57M9D7W |
| 70.0 | BPSK | 3735.0 | 3945.0 | 26.30 | 29.30 | 0.851 | 64083 | 64M1G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 64437 | 64M4G7W |
| | 16QAM | | | 25.10 | 28.10 | 0.646 | 64443 | 64M4D7W |
| 80.0 | BPSK | 3740.0 | 3940.0 | 26.30 | 29.30 | 0.851 | 77131 | 77M1G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 77092 | 77M1G7W |
| | 16QAM | | | 25.10 | 28.10 | 0.646 | 76849 | 76M8D7W |
| 90.0 | BPSK | 3745.0 | 3935.0 | 26.20 | 29.20 | 0.832 | 87056 | 87M1G7W |
| | QPSK | | | 26.20 | 29.20 | 0.832 | 86563 | 86M6G7W |
| | 16QAM | | | 25.00 | 28.00 | 0.631 | 86583 | 86M6D7W |
| 100.0 | BPSK | 3750.0 | 3930.0 | 26.30 | 29.30 | 0.851 | 96646 | 96M6G7W |
| | QPSK | | | 26.30 | 29.30 | 0.851 | 96018 | 96M0G7W |
| | 16QAM | | | 25.20 | 28.20 | 0.661 | 96214 | 96M2D7W |



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## 6.4. WORST-CASE CONFIGURATION AND MODE

The EUT supports the following LTE and 5G NRs:
Band 2, Band 4, Band 5, Band 7, Band 12, Band 13, Band 14, Band 17, Band 25, Band 26, Band 30, Band 38, Band 41, Band 48, Band 66, Band 71, 5G NR n2, 5G NR n5, 5G NR n7, 5G NR n12, 5G NR n14, 5G NR n25, 5G NR n26, 5G NR n30, 5G NR n38, 5G NR n41, 5G NR n48, 5G NR n66, 5G NR n70, 5G NR n71, 5G NR n77 and 5G NR n78.

LTE Band 2 and 5G NR n2 (1850-1910MHz) are covered by LTE Band 25 and 5G NR n25 respectively. Because they are the subset of LTE band 25 and 5G NR n25 with the same output power and supported bandwidths.

LTE Band 4 (1710-1755MHz, 5/10/15/20MHz bandwidth) is covered by LTE Band 66 because it is a subset of LTE band 66 and they have same output power.

LTE Band 38 (2570-2620MHz) is covered by LTE Band 41 because it is a subset of LTE band 41. Also, they have the same or less output power and supported bandwidths.

5G NR n78 (3450-3650MHz) are covered by 5G NR n77 respectively. Because they are the subset of LTE band 5G NR n77 with the same output power and supported bandwidths.

For 5G NRs, conducted spurious emission tests were conducted on wider bandwidth with inner 1RB since this is the worst bandwidth and the highest output power.

BPSK modulation applied only for 5G NR frequencies and has the same tune up power as QPSK modulations.

The DFT-s-OFDM and CP-OFDM waveforms were investigated, and DFT-s-OFDM was found to be the worst case.

The worst-case scenario for all measurements is based on an engineering evaluation made on different modulations. Then, QPSK and BPSK were observed as the worst mode to LTE bands and 5G NR bands respectively and set for all conducted and radiated. Output power measurements were measured on BPSK, QPSK, 16QAM, 64QAM, and 256QAM modulations. For testing purposes emissions on sections 8 and 9 were measured while QPSK/BPSK was set at or above target power for all bands. Conducted tests were performed on the worst case antenna port because it has the highest conducted power. The worst case antenna port is shown in the table below.



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| LTE and 5G NR Bands | Worst case Antenna Port for Conducted Power |
|---|---|
| LTE BAND 5 and 5G NR n5 | Ant 0 |
| LTE BAND 12 and 5G NR n12 | |
| LTE BAND 13 | |
| LTE BAND 14 and 5G NR n14 | |
| LTE Band 17 | |
| LTE BAND 26 and 5G NR n26 | |
| LTE BAND 30 and 5G NR n30 | |
| LTE BAND 71 and 5G NR n71 | |
| LTE BAND 7 and 5G NR n7 | Ant 2 |
| LTE BAND 25 and 5G NR n25 | |
| LTE BAND 41and 5G NR 41 | |
| LTE BAND 66 and 5G NR n66 | |
| 5G NR n70 | |
| 5G NR n77 | Ant 6 |
| 5G NR n78 | |
| LTE BAND 48 | |

The EUT was investigated in three orthogonal orientations X/Y/Z on all ANT 0, ANT1, ANT2, ANT5, ANT6 and ANT 7 antennas to determine the worst case orientation. The following table exabit the worst case orientation for different frequency bands. The full tests of the EUT have made upon the orientations that shown in the table below.

| Frequency Bands | ANT0 | ANT1 | ANT2 | ANT5 | ANT6 | ANT7 |
|---|---|---|---|---|---|---|
| 663 – 849 MHz | Z | Z | N/A | N/A | N/A | N/A |
| 1710 – 1915 MHz | Z | X | X | X | N/A | N/A |
| 2300 – 2700 MHz | X | X | X | X | N/A | N/A |
| 3300 – 3980 MHz | N/A | X | N/A | X | X | X |

Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 18GHz. There were no emissions found with less than 20dB of margin from 9kHz to 30MHz, 30MHz-1GHz and above 18GHz.




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For simultaneous transmission of multiple channels in the 2.4GHz/5GH WLAN, UWB, and Cellular bands, tests were conducted for various configurations having the highest power, least separation in frequencies and widest operation bandwidths. No noticeable new emission was found.

## 6.5. DESCRIPTION OF TEST SETUP

| SUPPORT TEST EQUIPMENT | | | | |
|---|---|---|---|---|
| **Description** | **Manufacturer** | **Model** | **Serial Number** | **FCC ID/ DoC** |
| Laptop | Dell | Latitude 7300 | 876819127 | DoC |
| AC/DC adapter | Dell | DA130PE1-00 | CN-0M55GJ-DES00-066-5THK-A02 | DoC |
| Power Adapter | Google | GW8L7 | 1HV003B901000B9DE | DoC |

| I/O CABLES (RF CONDUCTED TEST) | | | | | | |
|---|---|---|---|---|---|---|
| **Cable No.** | **Port** | **# of Identical Ports** | **Connector Type** | **Cable Type** | **Cable Length (m)** | **Remarks** |
| 1 | AC | 3 | US 115V | Un-shielded | 2.0 | N/A |
| 2 | USB | 1 | USB-C | Un-shielded | 1.0 | N/A |
| 3 | RF In/Out | 1 | EUT | Un-shielded | 0.6 | N/A |
| 4 | RF In/Out | 1 | Communication Test Set | Un-shielded | 1.2 | N/A |
| 5 | RF In/Out | 1 | Barrel | N/A | N/A | N/A |

| I/O CABLES (RF RADIATED TEST) | | | | | | |
|---|---|---|---|---|---|---|
| **Cable No.** | **Port** | **# of Identical Ports** | **Connector Type** | **Cable Type** | **Cable Length (m)** | **Remarks** |
| 1 | AC | 1 | US 115V | Un-shielded | 2.0 | N/A |
| 1 | USB | 1 | USB-C | Un-shielded | 1 | N/A |
| 2 | RF In/Out | 1 | Antenna | Un-shielded | 5.0 | N/A |



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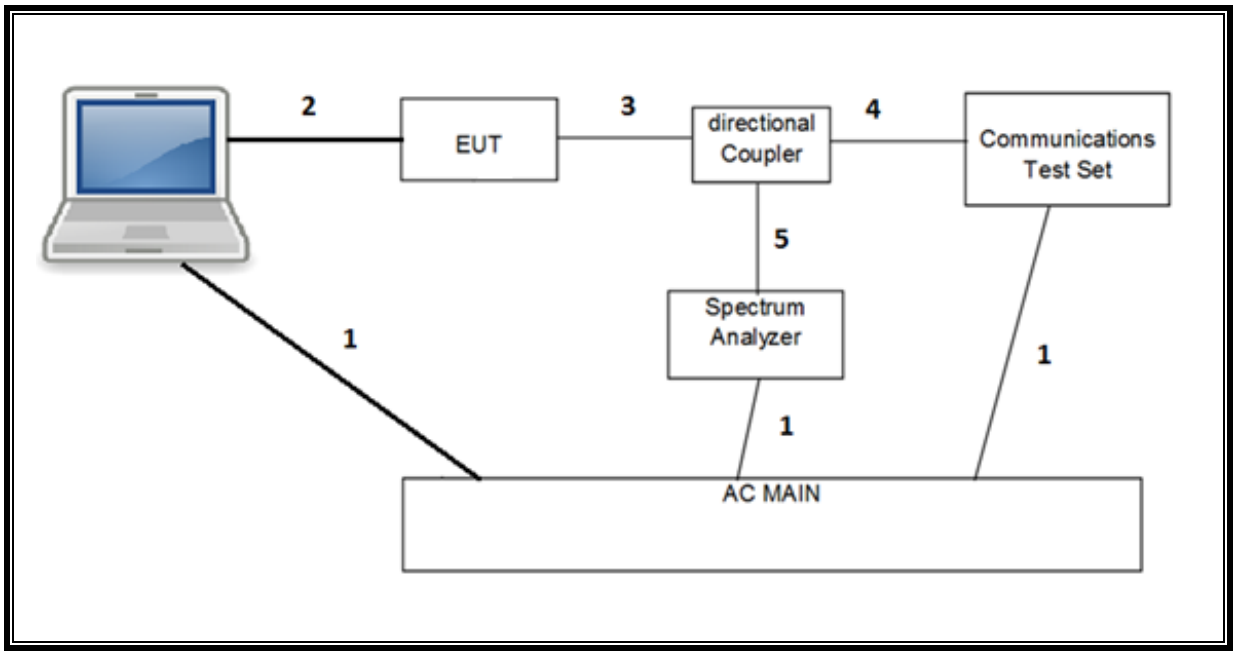
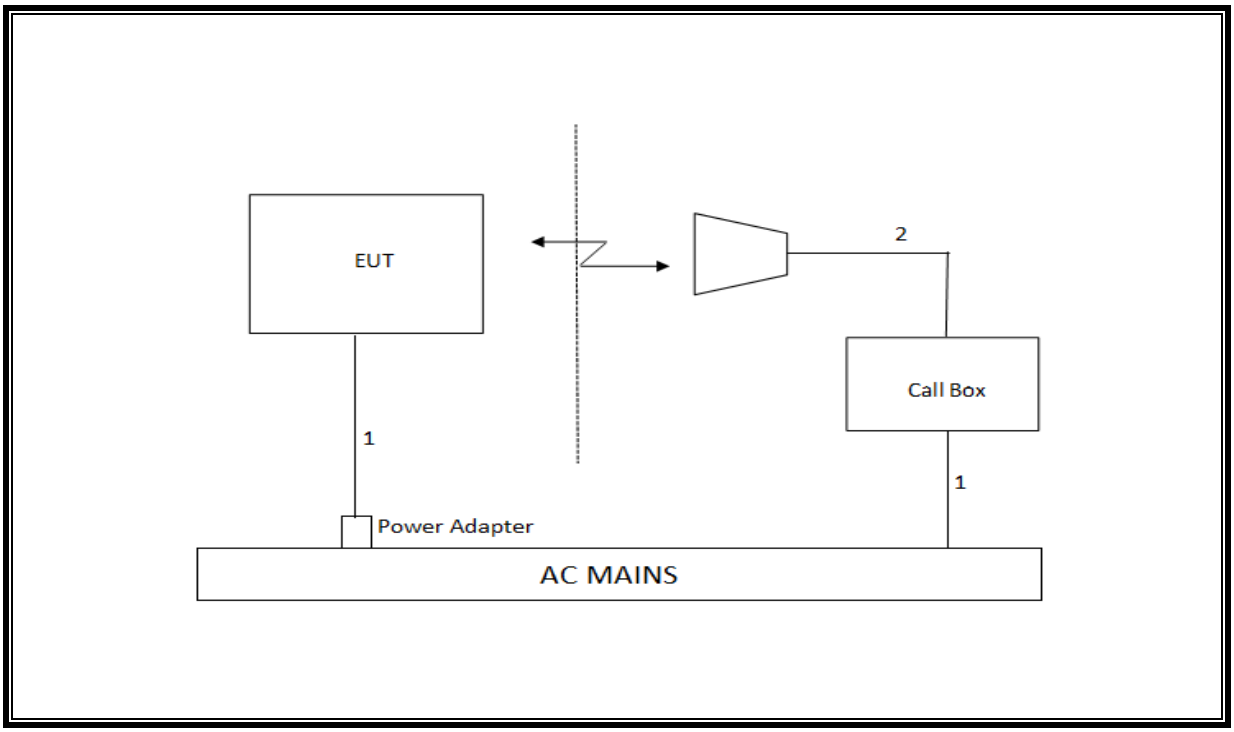
**CONDUCTED SETUP**




**RADIATED SETUP**







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# 7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

| TEST EQUIPMENT LIST | | | | |
|---|---|---|---|---|
| **Description** | **Manufacturer** | **Model** | **Asset** | **Cal Due** |
| Antenna, Horn 1-18GHz | ETS-Lindgren | 3117 | 80430 | 2024-08-31 |
| Antenna, Horn 1-18GHz | ETS Lindgren | 3117 | 79834 | 2024-06-30 |
| Antenna, Horn 1-18GHz | ETS Lindgren | 3117 | 84796 | 2024-09-30 |
| Antenna, Broadband Hybrid, 30MHz to 3000MHz | SUNAR | JB3 | 222009 | 2024-10-31 |
| RF Filter Box, 1-18GHz | UL-FR1 | NA | 217255 | 2024-10-31 |
| RF Filter Box, 1-18GHz | UL-FR1 | RATS 2 | 226781 | 2024-09-30 |
| RF Filter Box, 1-18GHz | UL-FR1 | NA | 217521 | 2024-03-31 |
| Amplifier, 10KHz to 1GHz, 32dB | Sonoma | 310N | 430250 | 2024-09-30 |
| EMI TEST RECEIVER | Rohde & Schwarz | ESW44 | 169936 | 2025-02-28 |
| EMI TEST RECEIVER | Rohde & Schwarz | ESW44 | 169935 | 2025-02-28 |
| EMI TEST RECEIVER | Rohde & Schwarz | ESW44 | 223461 | 2025-02-28 |
| Wideband Communication Test Set, Call Box | R&S GmbH & Co. KG | CMW500 | 85943 | 2025-02-28 |
| Directional Coupler | KRYTAR | 152610 | 198816 | 2024-10-31 |
| Directional Coupler | KRYTAR | 152610 | 231664 | 2025-01-22 |
| Power Meter, P-series single channel | Keysight | N1912A | 90719 | 2025-01-31 |
| Power Sensor, P - series, 50MHz to 18GHz, Wideband | Keysight | N1921A | 81319 | 2025-01-31 |
| Filter, HPF 1.2GHz | Wainwright Instruments GmbH | WHKX6-948-1.2/15G-40ST | 99 | 2024-10-31 |
| Filter, BRF 2495 – 2690 MHz | Micro-Tronics | BRM50174-02 | 155055 | 2025-01-31 |
| Filter, BRF 3.4 – 3.8GHz | Micro-Tronics | BRM50711-02 | 208398 | 2024-10-31 |
| Spectrum Analyzer, PXA, 2Hz to 44GHz | Keysight | N9030B | 231739 | 2025-01-31 |
| Spectrum Analyzer, PXA, 2Hz to 44GHz | Keysight | N9030B | 245120 | 2025-02-28 |
| Spectrum Analyzer, PXA, 3Hz to 44GHz | Keysight | N9030A | 85212 | 2025-02-28 |
| Wideband Communication Test Set, Call Box | R&S GmbH & Co. KG | CMW500 | 222793 | 2025-02-28 |
| Wideband Communication Test Set, Call Box | R&S GmbH & Co. KG | CMW500 | 222797 | 2025-02-28 |
| UXM 5G Wireless Test Platform | Keysight | E7515B | 245172 | 2025-02-28 |
| UXM 5G Wireless Test Platform | Keysight | E7515B | 231739 | 2025-01-31 |
| UXM 5G Wireless Test Platform | Keysight | E7515B | 207269 | 2024-10-31 |
| UXM 5G Wireless Test Platform | Keysight | E7515B | 1292206 | 2025-01-18 |
| Chamber, Environmental | Thermotron Corp. | SM-16C Mini-Max | 179936 | 2024-06-30 |
| Transmitting Antenna, Horn Antenna | TEKBOX Digital Solutions | TBMA4 | 226709 | C.N.R. |
| Antenna, Horn 18 to 26.5GHz | A.R.A. | MWH-1826/B | 199659 | 2024-12-31 |
| Amplifier 18-26.5GHz, +5Vdc, -54dBm P1dB | AMPLICAL | AMP18G26.5-60 | 234683 | 2024-06-29 |
| DC Power Supply | GWINSTEK | GPS18500 | N/A | C.N.R. |
| **UL AUTOMATION SOFTWARE** | | | | |
| CLT Software | UL | UL RF | V2023.11.21.0 | |
| Power Measurement Software | UL | UL RF | V2023.08.14.0 | |
| Radiated test software | UL | UL RF | Ver 9.5 2023-05-01 | |

**NOTES:**

1. * Testing is completed before equipment expiration date.




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# 8. RF OUTPUT POWER MEASUREMENTS

## CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

All LTE bands conducted average power is obtained from the CMW500 telecommunication test set.

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS136.101 specification.

UE Power Class: 3 (23 +/- 2dBm). Band 41 UE Power Class: 2 (26 +/-2 dBm).The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS136.101.

**Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3**

| Modulation | Channel bandwidth / Transmission bandwidth ($N_{RB}$) | | | | | | MPR (dB) |
|---|---|---|---|---|---|---|---|
| | 1.4 MHz | 3.0 MHz | 5 MHz | 10 MHz | 15 MHz | 20 MHz | |
| QPSK | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 1 |
| 16 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | ≤ 1 |
| 16 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 2 |
| 64 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | ≤ 2 |
| 64 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 3 |
| 256 QAM | ≥ 1 | | | | | | ≤ 5 |

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS136.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of “NS_01”.

**Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)**

| Network Signalling value | Requirements (subclause) | E-UTRA Band | Channel bandwidth (MHz) | Resources Blocks ($N_{RB}$) | A-MPR (dB) |
|---|---|---|---|---|---|
| NS_01 | 6.6.2.1.1 | Table 5.5-1 | 1.4, 3, 5, 10, 15, 20 | Table 5.6-1 | N/A |
| NS_03 | 6.6.2.2.1 | 2, 4,10, 23, 25, 35, 36, 66, 70 | 3 | >5 | ≤ 1 |
| | | | 5 | >6 | ≤ 1 |
| | | | 10 | >6 | ≤ 1 |
| | | | 15 | >8 | ≤ 1 |
| | | | 20 | >10 | ≤ 1 |
| NS_04 | 6.6.2.2.2, 6.6.3.3.19 | 41 | 5, 10, 15, 20 | Table 6.2.4-4, Table 6.2.4-4a | |

## RESULTS

EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted output powers as follows:



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# 8.1. LTE BAND 5 AND 5G NR n5

## LTE BAND 5

| Test Engineer ID: | 24522NV and 39005RA | Test Date: | 2024-01-18 to 2024-03-29 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 5 (1.4 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 20407 | 20525 | 20643 | 20407 | 20525 | 20643 |
| | | | | 824.7 | 836.5 | 848.3 | 824.7 | 836.5 | 848.3 |
| 1.4 | QPSK | 1 | 0 | 23.5 | 23.5 | 23.5 | 22.9 | 23.5 | 23.4 |
| | | 1 | 3 | 23.1 | 23.2 | 23.1 | 22.7 | 23.4 | 23.2 |
| | | 1 | 5 | 23.6 | 23.3 | 23.2 | 22.9 | 23.4 | 23.4 |
| | | 3 | 0 | 23.2 | 23.5 | 23.2 | 22.9 | 23.4 | 23.3 |
| | | 3 | 1 | 23.2 | 23.2 | 23.2 | 22.9 | 23.3 | 23.3 |
| | | 3 | 3 | 23.2 | 23.2 | 23.1 | 22.9 | 23.3 | 23.2 |
| | | 6 | 0 | 23.6 | 23.6 | **23.7** | 22.9 | **23.5** | 23.4 |
| | 16QAM | 1 | 0 | 23.4 | 23.3 | 23.4 | 23.1 | 23.4 | 23.4 |
| | | 1 | 3 | **23.5** | 23.3 | 23.5 | 23.2 | 23.4 | 23.4 |
| | | 1 | 5 | 23.5 | 23.4 | 23.4 | 23.2 | **23.4** | 23.4 |
| | | 3 | 0 | 23.4 | 23.3 | 23.2 | 23.0 | 23.4 | 23.3 |
| | | 3 | 1 | 23.4 | 23.3 | 23.3 | 23.0 | 23.4 | 23.3 |
| | | 3 | 3 | 23.4 | 23.3 | 23.2 | 23.0 | 23.4 | 23.3 |
| | | 6 | 0 | 22.7 | 22.7 | 22.5 | 22.3 | 22.7 | 22.6 |
| | 64QAM | 1 | 0 | **23.0** | 22.7 | 22.6 | 22.7 | **22.7** | 22.6 |
| | | 1 | 3 | 22.9 | 22.7 | 22.6 | 22.6 | **22.7** | 22.6 |
| | | 1 | 5 | 22.9 | 22.7 | 22.6 | 22.6 | **22.7** | 22.6 |
| | | 3 | 0 | 22.6 | 22.5 | 22.4 | 22.2 | **22.7** | 22.5 |
| | | 3 | 1 | 22.6 | 22.5 | 22.4 | 22.2 | **22.7** | 22.6 |
| | | 3 | 3 | 22.6 | 22.5 | 22.4 | 22.2 | 22.7 | 22.5 |
| | | 6 | 0 | 21.7 | 21.5 | 21.5 | 21.4 | 21.7 | 21.6 |
| | 256QAM | 1 | 0 | **19.8** | 19.4 | 19.6 | 19.3 | **19.7** | 19.5 |
| | | 1 | 3 | 19.7 | 19.4 | 19.5 | 19.2 | 19.7 | 19.4 |
| | | 1 | 5 | 19.8 | 19.4 | 19.6 | 19.3 | **19.7** | 19.4 |
| | | 3 | 0 | 19.6 | 19.5 | 19.4 | 19.3 | 19.6 | 19.6 |
| | | 3 | 1 | 19.6 | 19.4 | 19.4 | 19.2 | 19.5 | 19.5 |
| | | 3 | 3 | 19.5 | 19.4 | 19.3 | 19.2 | 19.6 | 19.5 |
| | | 6 | 0 | 19.6 | 19.5 | 19.5 | 19.2 | 19.7 | 19.6 |

## OUTPUT POWER FOR LTE BAND 5 (3.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 20415 | 20525 | 20635 | 20415 | 20525 | 20635 |
| | | | | 825.5 | 836.5 | 847.5 | 825.5 | 836.5 | 847.5 |
| 3.0 | QPSK | 1 | 0 | 23.6 | 23.2 | 23.3 | 23.6 | 23.5 | 23.5 |
| | | 1 | 8 | 23.1 | 23.1 | 23.2 | 23.4 | 23.3 | 23.4 |
| | | 1 | 14 | **23.7** | 23.1 | 23.3 | **23.6** | 23.4 | 23.5 |
| | | 8 | 0 | 23.3 | 23.6 | 23.2 | 23.5 | 23.5 | 23.4 |
| | | 8 | 4 | **23.7** | 23.2 | 23.2 | 23.5 | 23.5 | 23.4 |
| | | 8 | 7 | 23.6 | 23.3 | 23.2 | 23.5 | 23.5 | 23.4 |
| | | 15 | 0 | **23.7** | 23.2 | 23.2 | 23.5 | 23.4 | 23.3 |
| | 16QAM | 1 | 0 | 23.5 | 23.6 | 23.5 | **23.5** | 23.3 | 22.7 |
| | | 1 | 8 | 23.4 | 23.5 | 23.4 | 23.5 | **23.5** | **23.5** |
| | | 1 | 14 | 23.4 | **23.6** | 23.4 | 23.5 | 23.3 | 23.4 |
| | | 8 | 0 | 22.7 | 22.6 | 22.6 | 22.8 | 22.7 | 22.7 |
| | | 8 | 4 | 22.7 | 22.6 | 22.5 | 22.8 | 22.7 | 22.7 |
| | | 8 | 7 | 22.7 | 22.6 | 22.5 | 22.8 | 22.7 | 22.7 |
| | | 15 | 0 | 22.6 | 22.5 | 22.5 | 22.8 | 22.7 | 22.6 |
| | 64QAM | 1 | 0 | 22.9 | 22.8 | 22.7 | 22.4 | 22.7 | 22.7 |
| | | 1 | 8 | 22.7 | 22.7 | 22.6 | 22.3 | 22.6 | 22.6 |
| | | 1 | 14 | **22.9** | 22.7 | 22.7 | 22.5 | 22.6 | **22.8** |
| | | 8 | 0 | 21.7 | 21.5 | 21.6 | 21.3 | 21.7 | 21.7 |
| | | 8 | 4 | 21.6 | 21.5 | 21.5 | 21.3 | 21.6 | 21.6 |
| | | 8 | 7 | 21.6 | 21.5 | 21.5 | 21.3 | 21.6 | 21.6 |
| | | 15 | 0 | 21.5 | 21.5 | 21.5 | 21.3 | 21.6 | 21.5 |
| | 256QAM | 1 | 0 | **19.8** | 19.7 | 19.6 | 19.4 | 19.7 | **19.7** |
| | | 1 | 8 | 19.7 | 19.5 | 19.5 | 19.2 | 19.5 | 19.6 |
| | | 1 | 14 | 19.8 | 19.7 | 19.5 | 19.3 | 19.7 | **19.7** |
| | | 8 | 0 | 19.7 | 19.6 | 19.6 | 19.4 | **19.7** | 19.7 |
| | | 8 | 4 | 19.6 | 19.6 | 19.5 | 19.3 | **19.7** | 19.6 |
| | | 8 | 7 | 19.6 | 19.5 | 19.6 | 19.4 | 19.7 | 19.6 |
| | | 15 | 0 | 19.6 | 19.5 | 19.5 | 19.3 | **19.7** | 19.6 |



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## OUTPUT POWER FOR LTE BAND 5 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 20425 | 20525 | 20625 | 20425 | 20525 | 20625 |
| | | | | 826.5 | 836.5 | 846.5 | 826.5 | 836.5 | 846.5 |
| 5.0 | QPSK | 1 | 0 | 23.7 | **23.8** | 23.6 | 22.9 | **23.4** | 23.4 |
| | | 1 | 12 | 23.6 | 23.6 | 23.5 | 22.8 | 23.3 | 23.3 |
| | | 1 | 24 | 23.7 | **23.8** | 23.6 | 22.9 | 23.4 | 23.4 |
| | | 12 | 0 | 23.3 | 23.2 | 23.2 | 23.0 | 23.4 | 23.4 |
| | | 12 | 6 | 23.3 | 23.2 | 23.2 | 22.9 | 23.4 | 23.4 |
| | | 12 | 11 | 23.7 | 23.6 | **23.8** | 23.0 | 23.4 | 23.3 |
| | | 25 | 0 | **23.8** | 23.7 | 23.6 | 22.9 | 23.4 | 23.4 |
| | 16QAM | 1 | 0 | 23.6 | 23.6 | **23.7** | 23.2 | 23.2 | **23.6** |
| | | 1 | 12 | 23.5 | 23.4 | 23.4 | 23.1 | 23.5 | **23.6** |
| | | 1 | 24 | 23.6 | 23.5 | 23.6 | 23.2 | 23.5 | 23.5 |
| | | 12 | 0 | 22.7 | 22.6 | 22.5 | 22.4 | 22.2 | 22.7 |
| | | 12 | 6 | 22.7 | 22.6 | 22.5 | 22.3 | 22.2 | 22.7 |
| | | 12 | 11 | 22.7 | 22.6 | 22.5 | 22.4 | 22.2 | 22.7 |
| | | 25 | 0 | 22.6 | 22.5 | 22.5 | 22.3 | 22.7 | 22.7 |
| | 64QAM | 1 | 0 | 22.8 | **22.9** | 22.7 | 22.4 | **22.6** | 22.3 |
| | | 1 | 12 | 22.8 | 22.8 | 22.6 | 22.4 | 22.6 | 22.2 |
| | | 1 | 24 | 22.8 | 22.8 | 22.6 | 22.4 | 22.6 | 22.4 |
| | | 12 | 0 | 21.6 | 21.5 | 21.5 | 21.3 | 21.7 | 21.7 |
| | | 12 | 6 | 21.6 | 21.5 | 21.5 | 21.3 | 21.7 | 21.7 |
| | | 12 | 11 | 21.6 | 21.5 | 21.4 | 21.3 | 21.7 | 21.6 |
| | | 25 | 0 | 21.6 | 21.5 | 21.5 | 21.3 | 21.7 | 21.7 |
| | 256QAM | 1 | 0 | 19.6 | **19.7** | 19.6 | 19.3 | 19.7 | **19.7** |
| | | 1 | 12 | 19.5 | 19.6 | 19.5 | 19.2 | 19.5 | 19.6 |
| | | 1 | 24 | 19.6 | 19.7 | 19.5 | 19.3 | 19.7 | 19.6 |
| | | 12 | 0 | 19.6 | 19.5 | 19.5 | 19.3 | 19.7 | **19.7** |
| | | 12 | 6 | 19.5 | 19.5 | 19.4 | 19.3 | 19.6 | **19.7** |
| | | 12 | 11 | 19.5 | 19.5 | 19.4 | 19.3 | 19.6 | 19.7 |
| | | 25 | 0 | 19.6 | 19.4 | 19.5 | 19.3 | 19.7 | 19.6 |

## OUTPUT POWER FOR LTE BAND 5 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 20450 | 20525 | 20600 | 20450 | 20525 | 20600 |
| | | | | 829.0 | 836.5 | 844.0 | 829.0 | 836.5 | 844.0 |
| 10.0 | QPSK | 1 | 0 | **24.3** | 24.0 | **24.3** | **23.8** | 23.3 | 23.6 |
| | | 1 | 24 | 24.2 | 23.9 | 24.3 | 23.7 | 23.3 | 23.6 |
| | | 1 | 49 | 24.3 | 23.9 | 24.2 | 23.6 | 23.4 | 23.5 |
| | | 25 | 0 | 23.4 | 22.9 | 23.3 | 22.8 | 22.4 | 22.6 |
| | | 25 | 12 | 23.3 | 22.8 | 23.3 | 22.7 | 22.4 | 22.6 |
| | | 25 | 24 | 23.3 | 22.8 | 23.2 | 22.7 | 22.4 | 22.6 |
| | | 50 | 0 | 23.3 | 22.8 | 23.3 | 22.7 | 22.4 | 22.6 |
| | 16QAM | 1 | 0 | 23.9 | 23.5 | **23.9** | **23.3** | 23.2 | 23.2 |
| | | 1 | 24 | 23.9 | 23.5 | 23.9 | 23.3 | 23.1 | 23.1 |
| | | 1 | 49 | 23.7 | 23.4 | 23.7 | 23.2 | 23.0 | 23.1 |
| | | 25 | 0 | 22.8 | 22.6 | 22.7 | 22.2 | 21.8 | 22.0 |
| | | 25 | 12 | 22.7 | 22.6 | 22.6 | 22.1 | 21.8 | 22.0 |
| | | 25 | 24 | 22.7 | 22.6 | 22.6 | 22.1 | 21.8 | 21.9 |
| | | 50 | 0 | 22.7 | 22.5 | 22.7 | 22.1 | 21.8 | 22.0 |
| | 64QAM | 1 | 0 | 22.9 | **22.9** | 22.7 | **22.4** | 22.1 | 22.3 |
| | | 1 | 24 | 22.8 | 22.8 | 22.6 | 22.3 | 22.0 | 22.2 |
| | | 1 | 49 | 22.7 | 22.8 | 22.5 | 22.2 | 22.1 | 22.1 |
| | | 25 | 0 | 21.7 | 21.6 | 21.7 | 21.2 | 20.9 | 21.0 |
| | | 25 | 12 | 21.7 | 21.5 | 21.6 | 21.1 | 20.8 | 20.9 |
| | | 25 | 24 | 21.6 | 21.5 | 21.6 | 21.1 | 20.8 | 20.9 |
| | | 50 | 0 | 21.7 | 21.5 | 21.6 | 21.1 | 20.8 | 20.9 |
| | 256QAM | 1 | 0 | 19.7 | 19.7 | 19.7 | 19.2 | 19.4 | 19.1 |
| | | 1 | 24 | 19.7 | 19.6 | 19.7 | 19.1 | **19.7** | 19.1 |
| | | 1 | 49 | 19.6 | 19.5 | 19.5 | 19.0 | **19.7** | 19.0 |
| | | 25 | 0 | **19.7** | 19.6 | 19.7 | 19.2 | **19.7** | 19.0 |
| | | 25 | 12 | 19.7 | 19.6 | 19.6 | 19.1 | **19.7** | 18.9 |
| | | 25 | 24 | 19.7 | 19.5 | 19.6 | 19.0 | 19.7 | 18.9 |
| | | 50 | 0 | 19.7 | 19.5 | 19.6 | 19.1 | 19.7 | 18.9 |



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## 5G NR n5

| Test Engineer ID: | 19210AL | Test Date: | 2024-02-02 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n5 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 165300 | 167300 | 169300 | 165300 | 167300 | 169300 |
| | | | | 826.5 | 836.5 | 846.5 | 826.5 | 836.5 | 846.5 |
| 5.0 | BPSK | 1 | 0 | 23.8 | 23.8 | 23.8 | 23.3 | 23.7 | 23.7 |
| | | 1 | 1 | 24.3 | 24.2 | 24.3 | 23.4 | 24.2 | 24.1 |
| | | 1 | 23 | 24.3 | **24.4** | 24.2 | 23.5 | **24.3** | 24.2 |
| | | 1 | 24 | 23.8 | 23.8 | 23.7 | 23.1 | 23.8 | 23.7 |
| | | 12 | 6 | 24.3 | 24.2 | 24.3 | 23.4 | 24.2 | 24.1 |
| | | 25 | 0 | 23.9 | 23.8 | 23.7 | 23.2 | 23.6 | 23.6 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.3 | 22.7 | 23.2 | 23.2 |
| | | 1 | 1 | 24.3 | 24.3 | 24.2 | 23.5 | 24.1 | 24.2 |
| | | 1 | 23 | 24.3 | **24.4** | 24.2 | 23.5 | **24.2** | 24.2 |
| | | 1 | 24 | 23.3 | 23.3 | 23.3 | 22.8 | 23.2 | 23.1 |
| | | 12 | 6 | 24.3 | 24.3 | 24.3 | 23.4 | 24.1 | 24.1 |
| | | 25 | 0 | 23.3 | 23.3 | 23.2 | 22.7 | 23.2 | 23.1 |
| | 16QAM | 1 | 0 | 22.5 | 22.1 | 22.5 | 21.9 | 21.8 | 22.3 |
| | | 1 | 1 | 23.1 | 23.2 | 23.2 | 23.0 | 23.0 | 22.9 |
| | | 1 | 23 | 23.0 | 23.2 | 23.2 | 22.5 | 23.4 | **23.5** |
| | | 1 | 24 | 22.4 | 22.2 | 22.5 | 21.8 | 22.3 | 22.0 |
| | | 12 | 6 | 23.3 | 23.3 | **23.3** | 22.6 | 23.1 | 23.3 |
| | | 25 | 0 | 22.4 | 22.3 | 22.2 | 21.7 | 22.1 | 22.2 |
| | 64QAM | 1 | 0 | 21.7 | 21.9 | 22.1 | 21.2 | 21.7 | 21.2 |
| | | 1 | 1 | 21.8 | **22.2** | 22.0 | 21.2 | 21.6 | 22.0 |
| | | 1 | 23 | 21.8 | 21.8 | 21.7 | 21.3 | 21.9 | **22.1** |
| | | 1 | 24 | 21.9 | 21.6 | 21.7 | 21.2 | 21.9 | 21.4 |
| | | 12 | 6 | 21.8 | 21.7 | 21.6 | 21.2 | 21.7 | 21.7 |
| | | 25 | 0 | 21.7 | 21.7 | 21.9 | 21.3 | 21.6 | 21.7 |
| | 256QAM | 1 | 0 | 20.2 | 20.1 | 19.7 | 19.3 | 19.2 | 19.8 |
| | | 1 | 1 | 19.8 | 19.6 | 19.7 | 19.2 | 19.7 | 19.7 |
| | | 1 | 23 | 19.8 | 19.4 | 19.7 | 19.5 | 19.2 | **20.0** |
| | | 1 | 24 | **20.2** | 19.8 | 19.6 | 19.2 | 19.8 | 19.8 |
| | | 12 | 6 | 19.8 | 19.7 | 19.7 | 19.2 | 19.6 | 19.6 |
| | | 25 | 0 | 19.8 | 19.8 | 19.7 | 19.2 | 19.6 | 19.7 |

## OUTPUT POWER FOR 5G NR n5 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 165800 | 167300 | 168800 | 165800 | 167300 | 168800 |
| | | | | 829.0 | 836.5 | 844.0 | 829.0 | 836.5 | 844.0 |
| 10.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 23.9 | 23.8 | 23.7 | 23.8 |
| | | 1 | 1 | **24.4** | 24.3 | 24.3 | **24.3** | 24.2 | 24.2 |
| | | 1 | 50 | 24.3 | 24.2 | 24.3 | 24.1 | 24.2 | 24.2 |
| | | 1 | 51 | 23.8 | 23.7 | 23.7 | 23.7 | 23.5 | 23.6 |
| | | 25 | 12 | 24.3 | 24.3 | 24.3 | 24.1 | 24.1 | 24.2 |
| | | 50 | 0 | 23.8 | 23.9 | 23.8 | 23.7 | 23.7 | 23.6 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.3 | 23.2 | 23.2 | 23.2 |
| | | 1 | 1 | 24.3 | 24.3 | 24.3 | 24.1 | **24.2** | 24.2 |
| | | 1 | 50 | 24.2 | 24.2 | 24.2 | 24.1 | 24.2 | 24.1 |
| | | 1 | 51 | 23.3 | 23.3 | 23.2 | 23.1 | 23.2 | 23.1 |
| | | 25 | 12 | **24.4** | 24.2 | 24.3 | 24.2 | 24.2 | 24.1 |
| | | 50 | 0 | 23.3 | 23.3 | 23.3 | 23.1 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | 22.5 | 22.6 | 22.4 | 22.2 | 22.2 | 21.8 |
| | | 1 | 1 | 23.4 | 23.3 | 23.2 | 22.9 | 23.2 | 23.0 |
| | | 1 | 50 | 23.0 | 23.2 | **23.6** | 23.0 | 23.2 | 23.1 |
| | | 1 | 51 | 22.5 | 22.5 | 22.3 | 22.2 | 22.2 | 22.0 |
| | | 25 | 12 | 23.2 | 23.4 | 23.4 | **23.2** | 23.1 | 23.2 |
| | | 50 | 0 | 22.3 | 22.4 | 22.3 | 22.2 | 22.1 | 22.1 |
| | 64QAM | 1 | 0 | 22.0 | 21.9 | 21.5 | 21.3 | 21.5 | 21.7 |
| | | 1 | 1 | 21.7 | 21.9 | 21.9 | 21.6 | 21.7 | **22.0** |
| | | 1 | 50 | 21.9 | **22.1** | 22.0 | 21.7 | 21.6 | 21.8 |
| | | 1 | 51 | 21.6 | 21.8 | 22.0 | 21.5 | 21.8 | 21.5 |
| | | 25 | 12 | 21.7 | 21.8 | 21.8 | 21.7 | 21.6 | 21.5 |
| | | 50 | 0 | 21.7 | 21.9 | 21.7 | 21.8 | 21.6 | 21.6 |
| | 256QAM | 1 | 0 | 20.2 | 19.9 | **20.2** | 19.9 | 20.0 | 19.8 |
| | | 1 | 1 | 20.1 | 20.1 | 19.8 | 19.5 | 19.6 | **20.0** |
| | | 1 | 50 | 19.4 | 19.9 | 19.5 | 19.8 | 19.8 | 19.8 |
| | | 1 | 51 | **20.2** | 19.8 | 19.7 | 19.6 | 19.7 | 19.6 |
| | | 25 | 12 | 19.8 | 19.8 | 19.9 | 19.6 | 19.6 | 19.7 |
| | | 50 | 0 | 19.8 | 19.8 | 19.8 | 19.7 | 19.7 | 19.7 |



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## OUTPUT POWER FOR 5G NR n5 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 166300 | 167300 | 168300 | 166300 | 167300 | 168300 |
| | | | | 831.5 | 836.5 | 841.5 | 831.5 | 836.5 | 841.5 |
| 15.0 | BPSK | 1 | 0 | 23.8 | 23.8 | 23.7 | 23.6 | 23.7 | 23.6 |
| | | 1 | 1 | 24.3 | 24.4 | 24.2 | 24.2 | 24.1 | 24.0 |
| | | 1 | 77 | 24.4 | 24.3 | 24.2 | 24.1 | 24.2 | 24.0 |
| | | 1 | 78 | 23.8 | 23.9 | 23.6 | 23.6 | 23.7 | 23.6 |
| | | 36 | 18 | **24.4** | 24.2 | 24.3 | 24.2 | 24.1 | **24.2** |
| | | 75 | 0 | 23.9 | 23.8 | 23.8 | 23.7 | 23.6 | 23.6 |
| | QPSK | 1 | 0 | 23.3 | 23.4 | 23.3 | 23.1 | 23.2 | 23.0 |
| | | 1 | 1 | **24.4** | 24.3 | 24.3 | 24.2 | 24.1 | 24.1 |
| | | 1 | 77 | 24.4 | 24.2 | 24.2 | **24.2** | 24.1 | 24.0 |
| | | 1 | 78 | 23.4 | 23.2 | 23.1 | 23.1 | 23.2 | 23.1 |
| | | 36 | 18 | **24.4** | 24.3 | 24.3 | 24.2 | 24.1 | 24.1 |
| | | 75 | 0 | 23.3 | 23.3 | 23.2 | 23.3 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | 22.1 | 22.4 | 22.3 | 22.3 | 21.8 | 22.2 |
| | | 1 | 1 | 23.2 | **23.4** | 23.2 | 23.0 | 23.3 | 22.8 |
| | | 1 | 77 | 23.1 | 23.3 | 23.0 | **23.4** | 23.2 | 23.3 |
| | | 1 | 78 | 22.3 | 22.3 | 22.5 | 22.2 | 22.2 | 22.2 |
| | | 36 | 18 | 23.3 | 23.2 | 23.3 | 23.2 | 23.1 | 23.1 |
| | | 75 | 0 | 22.3 | 22.3 | 22.2 | 22.2 | 22.2 | 22.2 |
| | 64QAM | 1 | 0 | 22.0 | 22.0 | 21.9 | 21.6 | 21.9 | 21.1 |
| | | 1 | 1 | 21.6 | 21.9 | **22.2** | 21.2 | **22.2** | 21.2 |
| | | 1 | 77 | 21.9 | 22.0 | 22.0 | 21.6 | 21.5 | 21.8 |
| | | 1 | 78 | 21.4 | 21.6 | 22.1 | 21.8 | 21.3 | 21.2 |
| | | 36 | 18 | 21.9 | 21.7 | 21.8 | 21.7 | 21.6 | 21.7 |
| | | 75 | 0 | 21.9 | 21.8 | 21.7 | 21.6 | 21.5 | 21.6 |
| | 256QAM | 1 | 0 | 20.0 | 19.5 | 19.8 | **20.1** | 19.5 | 19.8 |
| | | 1 | 1 | 20.1 | **20.3** | 20.1 | 19.9 | 19.4 | 19.8 |
| | | 1 | 77 | 20.0 | 20.2 | 19.8 | 19.7 | 19.5 | 19.6 |
| | | 1 | 78 | 19.7 | 19.5 | 19.6 | 19.9 | 19.2 | 19.9 |
| | | 36 | 18 | 19.8 | 19.8 | 19.7 | 19.6 | 19.6 | 19.7 |
| | | 75 | 0 | 19.9 | 19.8 | 19.8 | 19.7 | 19.7 | 19.7 |

## OUTPUT POWER FOR 5G NR n5 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 166800 | 167300 | 167800 | 166800 | 167300 | 167800 |
| | | | | 834.0 | 836.5 | 839.0 | 834.0 | 836.5 | 839.0 |
| 20.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 23.9 | 23.8 | 23.7 | 23.7 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | 24.2 | 24.1 | **24.3** |
| | | 1 | 104 | 24.4 | 24.4 | 24.3 | 24.1 | 24.2 | 24.1 |
| | | 1 | 105 | 23.8 | 23.8 | 23.8 | 23.7 | 23.7 | 23.6 |
| | | 50 | 25 | 24.3 | 24.3 | **24.4** | 24.1 | 24.2 | 24.2 |
| | | 100 | 0 | 23.7 | 23.7 | 23.8 | 23.7 | 23.7 | 23.7 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.4 | 23.2 | 23.2 | 23.2 |
| | | 1 | 1 | 24.3 | 24.3 | **24.4** | 24.1 | **24.3** | 24.2 |
| | | 1 | 104 | 24.3 | 24.3 | 24.2 | 24.1 | 24.2 | 24.2 |
| | | 1 | 105 | 23.3 | 23.3 | 23.2 | 23.1 | 23.2 | 23.0 |
| | | 50 | 25 | 24.3 | 24.3 | 24.3 | 24.1 | 24.1 | 24.3 |
| | | 100 | 0 | 23.3 | 23.3 | 23.4 | 23.1 | 23.1 | 23.3 |
| | 16QAM | 1 | 0 | 22.3 | 22.3 | 22.0 | 22.2 | 22.2 | 22.0 |
| | | 1 | 1 | 23.2 | 23.2 | **23.4** | 23.2 | 23.1 | 22.8 |
| | | 1 | 104 | 23.1 | 23.1 | 23.0 | 23.0 | **23.3** | 23.0 |
| | | 1 | 105 | 21.9 | 21.9 | 22.1 | 22.3 | 21.9 | 22.4 |
| | | 50 | 25 | 23.3 | 23.3 | 23.4 | 23.2 | 23.2 | 23.2 |
| | | 100 | 0 | 22.2 | 22.2 | 22.3 | 22.2 | 22.1 | 22.2 |
| | 64QAM | 1 | 0 | 22.0 | 22.0 | 22.1 | 21.5 | 21.6 | **22.0** |
| | | 1 | 1 | 21.6 | 21.6 | **22.1** | 21.7 | 21.6 | 21.5 |
| | | 1 | 104 | 22.0 | 22.0 | 21.7 | 21.7 | 21.5 | 21.4 |
| | | 1 | 105 | 21.6 | 21.6 | 21.8 | 21.8 | 21.5 | 21.3 |
| | | 50 | 25 | 21.8 | 21.8 | 21.9 | 21.7 | 21.6 | 21.7 |
| | | 100 | 0 | 21.9 | 21.9 | 21.9 | 21.6 | 21.6 | 21.7 |
| | 256QAM | 1 | 0 | 19.8 | 19.8 | **20.2** | 20.0 | 19.5 | 19.6 |
| | | 1 | 1 | 19.8 | 19.8 | 19.5 | 19.8 | 19.9 | **20.1** |
| | | 1 | 104 | 20.1 | 20.1 | 19.9 | 19.6 | 19.6 | 19.4 |
| | | 1 | 105 | 19.9 | 19.9 | 19.5 | 19.6 | 19.7 | 19.7 |
| | | 50 | 25 | 19.7 | 19.7 | 19.8 | 19.7 | 19.6 | 19.7 |
| | | 100 | 0 | 19.8 | 19.8 | 19.8 | 19.6 | 19.7 | 19.6 |



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# 8.2. LTE BAND 7 AND 5G NR n7

## LTE BAND 7

| Test Engineer ID: | 19420PD | Test Date: | 2024-01-19 to 2024-01-22 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 7 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 20775 | 21100 | 21425 | 20775 | 21100 | 21425 |
| | | | | 2502.5 | 2535.0 | 2567.5 | 2502.5 | 2535.0 | 2567.5 |
| 5.0 | QPSK | 1 | 0 | 24.0 | 24.1 | 24.1 | 23.7 | 23.7 | 23.7 |
| | | 1 | 12 | 24.1 | 24.1 | 24.0 | 23.7 | 23.7 | **23.8** |
| | | 1 | 24 | 24.1 | 24.1 | 24.2 | 23.7 | 23.7 | 23.7 |
| | | 12 | 0 | 24.1 | 24.1 | 24.2 | 23.7 | 23.7 | 23.7 |
| | | 12 | 6 | 24.1 | 24.1 | 24.2 | 23.7 | 23.7 | 23.7 |
| | | 12 | 11 | 24.1 | 24.1 | 24.1 | 23.7 | 23.7 | 23.8 |
| | | 25 | 0 | 24.1 | 24.1 | **24.2** | 23.7 | 23.7 | 23.8 |
| | 16QAM | 1 | 0 | 23.6 | 23.7 | **23.7** | 23.2 | 23.4 | 23.3 |
| | | 1 | 12 | 23.4 | 23.5 | 23.5 | 23.2 | 23.3 | **23.5** |
| | | 1 | 24 | 23.6 | 23.6 | 23.7 | 23.2 | 23.4 | 23.4 |
| | | 12 | 0 | 22.4 | 22.5 | 22.6 | 22.0 | 22.1 | 22.0 |
| | | 12 | 6 | 22.4 | 22.5 | 22.6 | 22.0 | 22.1 | 22.0 |
| | | 12 | 11 | 22.4 | 22.5 | 22.5 | 22.1 | 22.1 | 22.0 |
| | | 25 | 0 | 22.4 | 22.4 | 22.5 | 22.0 | 21.9 | 22.1 |
| | 64QAM | 1 | 0 | 22.6 | **22.7** | 22.6 | 22.1 | 22.4 | 22.1 |
| | | 1 | 12 | 22.6 | 22.6 | 22.5 | 22.0 | **22.4** | 22.1 |
| | | 1 | 24 | 22.7 | 22.7 | 22.6 | 22.2 | 22.3 | 22.1 |
| | | 12 | 0 | 21.4 | 21.4 | 21.5 | 21.0 | 21.1 | 21.1 |
| | | 12 | 6 | 21.4 | 21.4 | 21.5 | 21.0 | 21.1 | 21.1 |
| | | 12 | 11 | 21.4 | 21.4 | 21.4 | 21.0 | 21.1 | 21.0 |
| | | 25 | 0 | 21.4 | 21.4 | 21.5 | 21.0 | 21.0 | 21.1 |
| | 256QAM | 1 | 0 | 19.4 | **19.7** | 19.5 | 19.1 | 19.3 | 19.2 |
| | | 1 | 12 | 19.2 | 19.5 | 19.4 | 19.2 | **19.4** | 19.1 |
| | | 1 | 24 | 19.3 | 19.6 | 19.5 | 19.1 | 19.3 | 19.1 |
| | | 12 | 0 | 19.4 | 19.4 | 19.4 | 19.0 | 19.0 | 19.1 |
| | | 12 | 6 | 19.4 | 19.4 | 19.4 | 19.0 | 19.0 | 19.0 |
| | | 12 | 11 | 19.4 | 19.4 | 19.4 | 19.0 | 19.0 | 19.0 |
| | | 25 | 0 | 19.4 | 19.4 | 19.5 | 19.0 | 19.0 | 19.1 |

## OUTPUT POWER FOR LTE BAND 7 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 20800 | 21100 | 21400 | 20800 | 21100 | 21400 |
| | | | | 2505.0 | 2535.0 | 2565.0 | 2505.0 | 2535.0 | 2565.0 |
| 10.0 | QPSK | 1 | 0 | 24.0 | 24.0 | 24.0 | 23.6 | 23.6 | 23.6 |
| | | 1 | 24 | 24.0 | **24.1** | 23.8 | 23.6 | **23.7** | 23.6 |
| | | 1 | 49 | 24.0 | 24.0 | 24.0 | 23.5 | 23.5 | 23.6 |
| | | 25 | 0 | 24.0 | 24.0 | 24.0 | 23.6 | 23.5 | 23.6 |
| | | 25 | 12 | 24.0 | 24.0 | 24.0 | 23.6 | 23.5 | 23.6 |
| | | 25 | 24 | 23.9 | 23.9 | 24.0 | 23.5 | 23.5 | 23.5 |
| | | 50 | 0 | 23.9 | 23.9 | 24.0 | 23.5 | 23.5 | 23.6 |
| | 16QAM | 1 | 0 | 23.5 | 23.7 | **23.9** | 23.2 | 23.0 | **23.4** |
| | | 1 | 24 | 23.5 | 23.8 | 23.8 | 23.2 | 23.0 | 23.2 |
| | | 1 | 49 | 23.4 | 23.7 | 23.8 | 23.1 | 23.0 | 23.3 |
| | | 25 | 0 | 22.5 | 22.5 | 22.5 | 22.1 | 22.1 | 22.1 |
| | | 25 | 12 | 22.5 | 22.4 | 22.5 | 22.1 | 22.1 | 22.1 |
| | | 25 | 24 | 22.5 | 22.4 | 22.4 | 22.1 | 22.0 | 22.1 |
| | | 50 | 0 | 22.5 | 22.4 | 22.5 | 22.0 | 22.0 | 22.1 |
| | 64QAM | 1 | 0 | 22.6 | 22.7 | 22.7 | 22.1 | **22.4** | 22.2 |
| | | 1 | 24 | 22.7 | **22.7** | 22.6 | 22.1 | **22.4** | 22.2 |
| | | 1 | 49 | 22.7 | 22.7 | 22.6 | 22.2 | 22.3 | 22.1 |
| | | 25 | 0 | 21.5 | 21.4 | 21.5 | 21.1 | 21.0 | 21.1 |
| | | 25 | 12 | 21.5 | 21.4 | 21.5 | 21.0 | 21.0 | 21.1 |
| | | 25 | 24 | 21.5 | 21.4 | 21.5 | 21.1 | 21.0 | 21.1 |
| | | 50 | 0 | 21.5 | 21.4 | 21.5 | 21.1 | 21.0 | 21.1 |
| | 256QAM | 1 | 0 | 19.5 | **19.7** | 19.6 | 19.0 | 19.4 | 19.3 |
| | | 1 | 24 | 19.5 | 19.6 | 19.5 | 19.1 | **19.4** | 19.2 |
| | | 1 | 49 | 19.5 | 19.7 | 19.5 | 19.0 | 19.3 | 19.2 |
| | | 25 | 0 | 19.4 | 19.5 | 19.6 | 19.1 | 19.1 | 19.2 |
| | | 25 | 12 | 19.4 | 19.5 | 19.5 | 19.0 | 19.1 | 19.1 |
| | | 25 | 24 | 19.4 | 19.4 | 19.5 | 19.0 | 19.0 | 19.1 |
| | | 50 | 0 | 19.4 | 19.4 | 19.5 | 19.0 | 19.0 | 19.1 |



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## OUTPUT POWER FOR LTE BAND 7 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 20825 | 21100 | 21375 | 20825 | 21100 | 21375 |
| | | | | 2507.5 | 2535.0 | 2562.5 | 2507.5 | 2535.0 | 2562.5 |
| 15.0 | QPSK | 1 | 0 | 24.1 | 24.1 | **24.1** | 23.7 | 23.6 | 23.7 |
| | | 1 | 37 | 23.9 | 23.9 | 24.0 | 23.7 | **23.8** | 23.8 |
| | | 1 | 74 | 24.0 | 24.1 | 24.1 | 23.6 | 23.6 | 23.7 |
| | | 36 | 0 | 24.1 | 24.1 | 24.1 | 23.7 | 23.7 | 23.7 |
| | | 36 | 16 | 24.1 | 24.1 | 24.1 | 23.6 | 23.7 | 23.7 |
| | | 36 | 35 | 24.1 | 24.1 | 24.1 | 23.6 | 23.7 | 23.7 |
| | | 75 | 0 | 24.1 | 24.1 | 24.1 | 23.6 | 23.7 | 23.7 |
| | 16QAM | 1 | 0 | 23.7 | 23.7 | **23.8** | 23.1 | 23.2 | 23.5 |
| | | 1 | 37 | 23.6 | 23.6 | 23.7 | 23.3 | 23.2 | **23.6** |
| | | 1 | 74 | 23.7 | 23.7 | 23.8 | 23.0 | 23.1 | 23.4 |
| | | 36 | 0 | 22.5 | 22.5 | 22.5 | 22.1 | 22.1 | 22.1 |
| | | 36 | 16 | 22.4 | 22.5 | 22.5 | 22.1 | 22.1 | 22.1 |
| | | 36 | 35 | 22.4 | 22.5 | 22.5 | 22.0 | 22.1 | 22.1 |
| | | 75 | 0 | 22.5 | 22.5 | 22.5 | 22.1 | 22.1 | 22.1 |
| | 64QAM | 1 | 0 | 22.6 | 22.7 | **22.8** | 22.3 | 22.3 | 22.4 |
| | | 1 | 37 | 22.4 | 22.5 | 22.7 | **22.4** | 22.3 | 21.9 |
| | | 1 | 74 | 22.5 | 22.6 | 22.8 | 22.3 | 22.2 | 22.3 |
| | | 36 | 0 | 21.5 | 21.5 | 21.5 | 21.1 | 21.1 | 21.0 |
| | | 36 | 16 | 21.5 | 21.5 | 21.4 | 21.1 | 21.1 | 21.0 |
| | | 36 | 35 | 21.5 | 21.5 | 21.4 | 21.1 | 21.0 | 21.0 |
| | | 75 | 0 | 21.4 | 21.4 | 21.4 | 21.0 | 21.0 | 21.1 |
| | 256QAM | 1 | 0 | 19.5 | **19.8** | 19.7 | 19.0 | 19.3 | 19.2 |
| | | 1 | 37 | 19.4 | 19.6 | 19.5 | 19.0 | 19.2 | **19.3** |
| | | 1 | 74 | 19.5 | 19.7 | 19.7 | 19.0 | 19.2 | 19.2 |
| | | 36 | 0 | 19.4 | 19.5 | 19.4 | 19.0 | 19.1 | 19.0 |
| | | 36 | 16 | 19.4 | 19.5 | 19.4 | 19.0 | 19.1 | 19.0 |
| | | 36 | 35 | 19.4 | 19.4 | 19.4 | 19.0 | 19.0 | 19.0 |
| | | 75 | 0 | 19.4 | 19.4 | 19.4 | 19.0 | 19.0 | 19.0 |

## OUTPUT POWER FOR LTE BAND 7 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 20850 | 21100 | 21350 | 20850 | 21100 | 21350 |
| | | | | 2510.0 | 2535.0 | 2560.0 | 2510.0 | 2535.0 | 2560.0 |
| 20.0 | QPSK | 1 | 0 | **24.2** | 24.1 | 24.1 | 23.7 | 23.7 | 23.7 |
| | | 1 | 49 | 24.1 | 23.9 | 24.1 | **23.8** | 23.5 | 23.6 |
| | | 1 | 99 | 24.1 | 24.0 | 24.0 | 23.6 | 23.6 | 23.6 |
| | | 50 | 0 | 24.1 | 24.1 | 24.1 | 23.7 | 23.7 | 23.6 |
| | | 50 | 24 | 24.1 | 24.1 | 24.1 | 23.7 | 23.7 | 23.6 |
| | | 50 | 49 | 24.1 | 24.1 | 24.0 | 23.6 | 23.6 | 23.6 |
| | | 100 | 0 | 24.1 | 24.1 | 24.1 | 23.7 | 23.6 | 23.6 |
| | 16QAM | 1 | 0 | 23.7 | 23.8 | 23.8 | 23.4 | **23.4** | 23.3 |
| | | 1 | 49 | **23.8** | 23.7 | 23.7 | 23.2 | 23.3 | 22.9 |
| | | 1 | 99 | 23.7 | 23.7 | 23.7 | 23.3 | 23.4 | 23.1 |
| | | 50 | 0 | 22.5 | 22.6 | 22.5 | 22.0 | 22.1 | 22.1 |
| | | 50 | 24 | 22.5 | 22.5 | 22.5 | 22.0 | 22.0 | 22.1 |
| | | 50 | 49 | 22.5 | 22.5 | 22.4 | 22.0 | 22.0 | 22.0 |
| | | 100 | 0 | 22.5 | 22.5 | 22.5 | 22.1 | 22.1 | 22.0 |
| | 64QAM | 1 | 0 | **22.8** | 22.8 | 22.6 | 22.4 | 22.3 | 22.2 |
| | | 1 | 49 | 22.6 | 22.7 | 22.5 | **22.6** | 22.4 | 22.1 |
| | | 1 | 99 | 22.7 | 22.8 | 22.5 | 22.4 | 22.2 | 22.0 |
| | | 50 | 0 | 21.5 | 21.5 | 21.5 | 21.1 | 21.1 | 21.1 |
| | | 50 | 24 | 21.5 | 21.5 | 21.5 | 21.1 | 21.0 | 21.1 |
| | | 50 | 49 | 21.5 | 21.4 | 21.4 | 21.1 | 21.0 | 21.0 |
| | | 100 | 0 | 21.4 | 21.5 | 21.5 | 21.0 | 21.0 | 21.1 |
| | 256QAM | 1 | 0 | 19.5 | **19.8** | 19.6 | 19.5 | 19.4 | 19.1 |
| | | 1 | 49 | 19.4 | 19.7 | 19.4 | **19.7** | 19.1 | 19.2 |
| | | 1 | 99 | 19.5 | 19.7 | 19.5 | 19.5 | 19.2 | 19.0 |
| | | 50 | 0 | 19.5 | 19.4 | 19.5 | 19.1 | 19.0 | 19.1 |
| | | 50 | 24 | 19.5 | 19.4 | 19.4 | 19.1 | 19.0 | 19.0 |
| | | 50 | 49 | 19.5 | 19.4 | 19.4 | 19.1 | 19.0 | 19.0 |
| | | 100 | 0 | 19.5 | 19.4 | 19.4 | 19.1 | 19.0 | 19.1 |



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## 5G NR n7

| Test Engineer ID: | 19210AL | Test Date: | 2024-02-06 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n7 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 500500 | 507000 | 513500 | 500500 | 507000 | 513500 |
| | | | | 2502.5 | 2535.0 | 2567.5 | 2502.5 | 2535.0 | 2567.5 |
| 5.0 | BPSK | 1 | 0 | 24.0 | 23.9 | 24.0 | 23.7 | 23.6 | 23.6 |
| | | 1 | 1 | **24.5** | 24.5 | 24.4 | 23.8 | 23.7 | 24.2 |
| | | 1 | 23 | 24.4 | 24.5 | 24.5 | 23.7 | 23.8 | 24.1 |
| | | 1 | 24 | 23.9 | 23.9 | 24.0 | 23.6 | 23.6 | 23.7 |
| | | 12 | 6 | 24.3 | 24.4 | 24.5 | 23.8 | 23.6 | **24.2** |
| | | 25 | 0 | 23.8 | 23.9 | 24.0 | 23.6 | 23.5 | 23.8 |
| | QPSK | 1 | 0 | 23.4 | 23.4 | 23.4 | 23.2 | 23.1 | 23.2 |
| | | 1 | 1 | **24.5** | 24.5 | 24.5 | 23.8 | 23.8 | **24.2** |
| | | 1 | 23 | 24.5 | 24.5 | 24.4 | 23.8 | 23.7 | 24.1 |
| | | 1 | 24 | 23.5 | 23.4 | 23.4 | 23.2 | 23.1 | 23.2 |
| | | 12 | 6 | 24.4 | 24.4 | 24.4 | 23.6 | 23.6 | 24.2 |
| | | 25 | 0 | 23.4 | 23.4 | 23.5 | 23.1 | 23.0 | 23.1 |
| | 16QAM | 1 | 0 | 22.2 | 21.9 | 22.5 | 22.3 | 22.0 | 22.3 |
| | | 1 | 1 | 23.1 | **23.6** | 23.4 | **23.3** | 23.1 | 23.2 |
| | | 1 | 23 | 23.3 | 23.5 | 23.5 | 23.3 | 23.0 | 23.2 |
| | | 1 | 24 | 22.2 | 22.4 | 22.5 | 22.3 | 22.3 | 22.1 |
| | | 12 | 6 | 23.4 | 23.4 | 23.6 | 22.9 | 23.1 | 23.2 |
| | | 25 | 0 | 22.4 | 22.4 | 22.5 | 22.1 | 22.1 | 22.1 |
| | 64QAM | 1 | 0 | 22.0 | 22.1 | 22.2 | 21.6 | 21.5 | 21.4 |
| | | 1 | 1 | 22.1 | 22.1 | **22.3** | 21.6 | 21.4 | 21.7 |
| | | 1 | 23 | 21.5 | 21.8 | 21.9 | 21.9 | 21.4 | 21.8 |
| | | 1 | 24 | 21.5 | 22.0 | 22.2 | **21.9** | 21.5 | 21.9 |
| | | 12 | 6 | 21.8 | 21.9 | 21.8 | 21.7 | 21.5 | 21.7 |
| | | 25 | 0 | 21.9 | 21.9 | 21.8 | 21.6 | 21.6 | 21.8 |
| | 256QAM | 1 | 0 | 20.2 | 19.6 | 19.9 | 19.7 | 19.4 | 19.8 |
| | | 1 | 1 | 20.0 | 19.7 | **20.2** | 19.8 | 19.4 | 19.6 |
| | | 1 | 23 | 20.0 | 19.7 | 19.8 | 19.6 | 19.3 | 19.8 |
| | | 1 | 24 | 19.8 | 19.8 | 19.8 | 19.7 | **20.2** | 19.7 |
| | | 12 | 6 | 19.9 | 19.8 | 19.9 | 19.6 | 19.6 | 19.6 |
| | | 25 | 0 | 19.9 | 19.9 | 19.9 | 19.5 | 19.6 | 19.6 |

## OUTPUT POWER FOR 5G NR n7 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 501000 | 507000 | 513000 | 501000 | 507000 | 513000 |
| | | | | 2505.0 | 2535.0 | 2565.0 | 2505.0 | 2535.0 | 2565.0 |
| 10.0 | BPSK | 1 | 0 | 24.0 | 24.0 | 24.1 | 23.7 | 23.5 | 23.6 |
| | | 1 | 1 | 24.5 | 24.4 | 24.5 | 24.1 | 24.0 | 24.1 |
| | | 1 | 50 | 24.4 | 24.5 | **24.5** | 24.1 | 24.1 | **24.2** |
| | | 1 | 51 | 23.9 | 24.0 | 24.0 | 23.6 | 23.5 | 23.7 |
| | | 25 | 12 | 24.4 | 24.4 | 24.5 | 24.2 | 24.0 | 24.1 |
| | | 50 | 0 | 23.9 | 24.0 | 24.0 | 23.6 | 23.5 | 23.6 |
| | QPSK | 1 | 0 | 23.4 | 23.4 | 23.5 | 23.2 | 23.0 | 23.1 |
| | | 1 | 1 | 24.4 | 24.5 | 24.5 | **24.2** | 24.1 | 24.1 |
| | | 1 | 50 | 24.5 | **24.5** | 24.5 | 24.1 | 24.1 | 24.2 |
| | | 1 | 51 | 23.4 | 23.4 | 23.4 | 23.1 | 23.1 | 23.1 |
| | | 25 | 12 | 24.4 | 24.5 | 24.4 | 24.1 | 23.9 | 24.1 |
| | | 50 | 0 | 23.4 | 23.5 | 23.4 | 23.1 | 23.0 | 23.1 |
| | 16QAM | 1 | 0 | 22.3 | 22.3 | 22.6 | 22.3 | 21.9 | 22.3 |
| | | 1 | 1 | 23.4 | **23.6** | 23.5 | 23.4 | 23.0 | 23.0 |
| | | 1 | 50 | 23.3 | 23.3 | 23.2 | 23.1 | 23.3 | **23.4** |
| | | 1 | 51 | 22.3 | 22.5 | 22.5 | 22.3 | 22.1 | 21.9 |
| | | 25 | 12 | 23.5 | 23.5 | 23.5 | 23.1 | 22.9 | 23.1 |
| | | 50 | 0 | 22.3 | 22.4 | 22.4 | 22.1 | 22.0 | 22.1 |
| | 64QAM | 1 | 0 | 21.9 | 21.6 | 22.2 | 21.4 | 21.7 | 21.7 |
| | | 1 | 1 | 21.7 | 22.1 | **22.3** | 21.7 | 21.6 | **22.0** |
| | | 1 | 50 | 21.6 | 22.2 | 22.2 | 21.6 | 21.6 | 21.6 |
| | | 1 | 51 | 22.0 | 21.6 | 22.0 | 21.9 | 21.6 | 21.7 |
| | | 25 | 12 | 21.8 | 22.0 | 22.1 | 21.5 | 21.5 | 21.5 |
| | | 50 | 0 | 21.9 | 21.9 | 22.1 | 21.5 | 21.5 | 21.6 |
| | 256QAM | 1 | 0 | **20.3** | 20.1 | 19.9 | 19.6 | 19.4 | 19.6 |
| | | 1 | 1 | 19.6 | 20.0 | 19.8 | 19.5 | 19.4 | 19.6 |
| | | 1 | 50 | 19.6 | 19.9 | 19.6 | 19.3 | **19.9** | 19.5 |
| | | 1 | 51 | 19.9 | 19.9 | 19.6 | 19.7 | 19.7 | 19.7 |
| | | 25 | 12 | 19.8 | 19.9 | 19.9 | 19.5 | 19.4 | 19.6 |
| | | 50 | 0 | 19.8 | 19.9 | 20.0 | 19.6 | 19.5 | 19.6 |




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## OUTPUT POWER FOR 5G NR n7 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 501500 | 507000 | 512500 | 501500 | 507000 | 512500 |
| | | | | 2507.5 | 2535.0 | 2562.5 | 2507.5 | 2535.0 | 2562.5 |
| 15.0 | BPSK | 1 | 0 | 24.0 | 23.9 | 24.0 | 23.6 | 23.5 | 23.6 |
| | | 1 | 1 | 24.4 | 24.5 | 24.5 | 24.1 | 24.1 | 24.0 |
| | | 1 | 77 | 24.4 | **24.6** | 24.5 | 24.0 | 24.0 | 24.1 |
| | | 1 | 78 | 23.9 | 24.1 | 24.0 | 23.5 | 23.6 | 23.6 |
| | | 36 | 18 | 24.5 | 24.5 | 24.5 | 24.1 | 24.0 | **24.2** |
| | | 75 | 0 | 23.9 | 23.9 | 24.0 | 23.6 | 23.5 | 23.5 |
| | QPSK | 1 | 0 | 23.5 | 23.5 | 23.5 | 23.1 | 23.1 | 23.1 |
| | | 1 | 1 | 24.5 | 24.5 | 24.4 | 24.1 | 24.1 | 24.1 |
| | | 1 | 77 | 24.4 | 24.4 | 24.4 | 24.0 | 24.0 | **24.2** |
| | | 1 | 78 | 23.4 | 23.5 | 23.5 | 23.0 | 23.1 | 23.1 |
| | | 36 | 18 | 24.5 | **24.5** | **24.5** | 24.0 | 24.1 | 24.1 |
| | | 75 | 0 | 23.5 | 23.4 | 23.5 | 23.1 | 23.0 | 23.1 |
| | 16QAM | 1 | 0 | 22.7 | 22.7 | 22.4 | 21.9 | 21.9 | 22.2 |
| | | 1 | 1 | 23.5 | 23.3 | 23.5 | 23.3 | 22.8 | **23.3** |
| | | 1 | 77 | **23.6** | 23.3 | 23.4 | 23.1 | 23.0 | 23.0 |
| | | 1 | 78 | 22.2 | 22.4 | 22.6 | 21.8 | 22.0 | 22.1 |
| | | 36 | 18 | 23.5 | 23.4 | 23.6 | 23.1 | 23.0 | 23.1 |
| | | 75 | 0 | 22.4 | 22.4 | 22.5 | 22.1 | 22.0 | 22.1 |
| | 64QAM | 1 | 0 | 21.9 | 21.9 | 21.7 | 21.4 | 21.5 | 21.7 |
| | | 1 | 1 | 22.2 | 22.0 | **22.3** | 21.4 | 21.4 | **21.8** |
| | | 1 | 77 | 22.2 | 21.9 | 22.0 | 21.7 | 21.7 | 21.7 |
| | | 1 | 78 | 22.1 | 22.3 | 21.7 | 21.8 | 21.5 | 21.4 |
| | | 36 | 18 | 22.0 | 22.0 | 22.0 | 21.5 | 21.6 | 21.6 |
| | | 75 | 0 | 21.9 | 21.9 | 21.9 | 21.6 | 21.5 | 21.6 |
| | 256QAM | 1 | 0 | **20.4** | 19.6 | 19.7 | 19.5 | 19.5 | 19.4 |
| | | 1 | 1 | 19.9 | 20.1 | 20.2 | 19.6 | 19.3 | 19.4 |
| | | 1 | 77 | 20.0 | 19.9 | 19.5 | 19.5 | **19.8** | 19.5 |
| | | 1 | 78 | 20.0 | 19.6 | 20.0 | 19.5 | 19.4 | 19.4 |
| | | 36 | 18 | 20.0 | 19.9 | 19.9 | 19.6 | 19.6 | 19.5 |
| | | 75 | 0 | 19.9 | 19.9 | 19.9 | 19.5 | 19.5 | 19.5 |

## OUTPUT POWER FOR 5G NR n7 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 502000 | 507000 | 512000 | 502000 | 507000 | 512000 |
| | | | | 2510.0 | 2535.0 | 2560.0 | 2510.0 | 2535.0 | 2560.0 |
| 20.0 | BPSK | 1 | 0 | 24.0 | 24.0 | 24.1 | 23.6 | 23.5 | 23.6 |
| | | 1 | 1 | 24.6 | 24.6 | 24.6 | 24.2 | 24.0 | 24.2 |
| | | 1 | 104 | **24.6** | **24.6** | 24.5 | 24.0 | 24.1 | **24.3** |
| | | 1 | 105 | 24.0 | 24.0 | 24.1 | 23.7 | 23.5 | 23.7 |
| | | 50 | 25 | 24.5 | 24.5 | 24.6 | 24.1 | 24.1 | 24.1 |
| | | 100 | 0 | 23.9 | 23.9 | 24.0 | 23.6 | 23.5 | 23.6 |
| | QPSK | 1 | 0 | 23.4 | 23.4 | 23.4 | 23.2 | 23.0 | 23.1 |
| | | 1 | 1 | 24.5 | 24.5 | 24.5 | 24.1 | 24.1 | 24.0 |
| | | 1 | 104 | 24.5 | 24.5 | 24.5 | 24.0 | 24.1 | **24.2** |
| | | 1 | 105 | 23.5 | 23.5 | 23.5 | 23.1 | 23.1 | 23.2 |
| | | 50 | 25 | 24.5 | 24.5 | **24.5** | 24.1 | 24.0 | **24.2** |
| | | 100 | 0 | 23.4 | 23.4 | 23.5 | 23.0 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | 22.2 | 22.2 | 22.5 | 21.8 | 21.9 | 22.2 |
| | | 1 | 1 | 23.5 | 23.5 | 23.5 | **23.4** | 22.9 | 22.7 |
| | | 1 | 104 | **23.6** | **23.6** | 23.3 | 23.2 | 23.2 | 23.1 |
| | | 1 | 105 | 22.3 | 22.3 | 22.7 | 22.4 | 22.1 | 22.3 |
| | | 50 | 25 | 23.5 | 23.5 | 23.5 | 23.0 | 23.0 | 23.1 |
| | | 100 | 0 | 22.5 | 22.5 | 22.5 | 22.1 | 22.0 | 22.2 |
| | 64QAM | 1 | 0 | 21.9 | 21.9 | 22.1 | **21.8** | 21.8 | 21.8 |
| | | 1 | 1 | 21.8 | 21.8 | 21.7 | 21.6 | 21.5 | 21.6 |
| | | 1 | 104 | 21.9 | 21.9 | 22.1 | 21.7 | 21.5 | 21.6 |
| | | 1 | 105 | **22.1** | **22.1** | 21.8 | 21.4 | 21.8 | 21.5 |
| | | 50 | 25 | 22.0 | 22.0 | 22.0 | 21.5 | 21.5 | 21.6 |
| | | 100 | 0 | 22.0 | 22.0 | 22.1 | 21.6 | 21.4 | 21.6 |
| | 256QAM | 1 | 0 | 20.0 | 20.0 | 19.9 | 19.3 | 19.5 | 19.4 |
| | | 1 | 1 | 19.8 | 19.8 | 20.0 | 19.5 | 19.5 | 19.5 |
| | | 1 | 104 | 20.0 | 20.0 | 19.9 | 19.4 | 19.7 | 19.8 |
| | | 1 | 105 | 19.7 | 19.7 | 19.9 | 19.5 | 19.5 | **19.9** |
| | | 50 | 25 | 19.9 | 19.9 | **20.0** | 19.5 | 19.4 | 19.6 |
| | | 100 | 0 | 19.8 | 19.8 | 19.9 | 19.6 | 19.5 | 19.5 |



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## OUTPUT POWER FOR 5G NR n7 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 502500 | 507000 | 511500 | 502500 | 507000 | 511500 |
| | | | | 2512.5 | 2535.0 | 2557.5 | 2512.5 | 2535.0 | 2557.5 |
| 25.0 | BPSK | 1 | 0 | 24.0 | 23.9 | 23.9 | 23.7 | 23.7 | 23.6 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | 24.2 | 24.0 | 24.1 |
| | | 1 | 131 | 24.5 | **24.6** | 24.6 | 24.1 | **24.3** | 24.2 |
| | | 1 | 132 | 23.9 | 24.0 | 24.0 | 23.6 | 23.6 | 23.7 |
| | | 64 | 32 | 24.4 | 24.5 | 24.5 | 24.1 | 24.1 | 24.1 |
| | | 128 | 0 | 23.9 | 23.9 | 23.9 | 23.6 | 23.5 | 23.6 |
| | QPSK | 1 | 0 | 23.4 | 23.5 | 23.5 | 23.2 | 23.0 | 23.2 |
| | | 1 | 1 | 24.5 | 24.4 | 24.5 | 24.1 | 24.0 | **24.2** |
| | | 1 | 131 | 24.5 | 24.5 | **24.5** | 24.1 | 24.2 | 24.1 |
| | | 1 | 132 | 23.5 | 23.5 | 23.5 | 23.2 | 23.2 | 23.2 |
| | | 64 | 32 | 24.4 | 24.4 | 24.4 | 24.0 | 24.0 | 24.1 |
| | | 128 | 0 | 23.4 | 23.5 | 23.4 | 23.0 | 23.0 | 23.1 |
| | 16QAM | 1 | 0 | 22.5 | 22.6 | 22.5 | 22.2 | 22.5 | 22.1 |
| | | 1 | 1 | 23.3 | 23.4 | **23.8** | 23.1 | **23.3** | 23.2 |
| | | 1 | 131 | 23.3 | 23.5 | 23.6 | 23.2 | 23.0 | 22.9 |
| | | 1 | 132 | 22.6 | 22.5 | 22.2 | 21.7 | 22.1 | 22.6 |
| | | 64 | 32 | 23.4 | 23.4 | 23.4 | 23.1 | 23.0 | 23.0 |
| | | 128 | 0 | 22.4 | 22.4 | 22.4 | 22.0 | 22.0 | 22.1 |
| | 64QAM | 1 | 0 | 21.7 | 21.6 | 22.0 | 21.5 | 21.7 | 21.4 |
| | | 1 | 1 | 21.7 | 21.9 | 21.7 | 21.7 | 21.6 | 21.9 |
| | | 1 | 131 | **22.3** | 21.8 | 22.1 | 21.5 | 21.7 | 21.9 |
| | | 1 | 132 | 21.7 | 21.7 | 22.2 | 21.8 | 22.0 | **22.0** |
| | | 64 | 32 | 21.8 | 21.9 | 21.9 | 21.5 | 21.6 | 21.6 |
| | | 128 | 0 | 21.9 | 21.8 | 21.9 | 21.5 | 21.5 | 21.6 |
| | 256QAM | 1 | 0 | 20.2 | 19.7 | **20.3** | 19.4 | 19.7 | 19.4 |
| | | 1 | 1 | 20.1 | 20.3 | 19.9 | 19.8 | 19.0 | 19.5 |
| | | 1 | 131 | 20.1 | 19.9 | 19.9 | 19.5 | 19.6 | **19.8** |
| | | 1 | 132 | 20.2 | 19.8 | 20.1 | 19.3 | 19.7 | 19.8 |
| | | 64 | 32 | 19.9 | 19.8 | 19.9 | 19.6 | 19.4 | 19.5 |
| | | 128 | 0 | 19.9 | 19.8 | 19.9 | 19.5 | 19.5 | 19.5 |

## OUTPUT POWER FOR 5G NR n7 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 503000 | 507000 | 511000 | 503000 | 507000 | 511000 |
| | | | | 2515.0 | 2535.0 | 2555.0 | 2515.0 | 2535.0 | 2555.0 |
| 30.0 | BPSK | 1 | 0 | 24.0 | 23.9 | 23.8 | 23.6 | 23.4 | 23.6 |
| | | 1 | 1 | 24.4 | 24.3 | 24.4 | 24.1 | 24.0 | 24.1 |
| | | 1 | 158 | 24.4 | **24.5** | **24.5** | 24.1 | 24.1 | **24.1** |
| | | 1 | 159 | 24.0 | 24.0 | 23.9 | 23.5 | 23.7 | 23.7 |
| | | 80 | 40 | 24.4 | 24.5 | 24.4 | 24.0 | 24.1 | 24.1 |
| | | 160 | 0 | 23.8 | 23.9 | 23.8 | 23.6 | 23.6 | 23.5 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.4 | 23.1 | 23.0 | 23.0 |
| | | 1 | 1 | 24.4 | 24.4 | 24.3 | 24.1 | 24.1 | 24.0 |
| | | 1 | 158 | 24.4 | **24.5** | 24.4 | 24.1 | **24.2** | 24.1 |
| | | 1 | 159 | 23.4 | 23.6 | 23.4 | 23.0 | 23.1 | 23.0 |
| | | 80 | 40 | 24.4 | 24.4 | 24.4 | 24.0 | 23.9 | 24.0 |
| | | 160 | 0 | 23.3 | 23.3 | 23.4 | 23.0 | 23.0 | 23.1 |
| | 16QAM | 1 | 0 | 22.4 | 22.1 | 22.2 | 22.1 | 22.1 | 21.7 |
| | | 1 | 1 | 23.3 | 23.4 | 23.5 | **23.6** | 22.9 | 22.9 |
| | | 1 | 158 | 23.4 | **23.8** | 23.3 | 23.0 | 23.4 | 23.2 |
| | | 1 | 159 | 22.5 | 22.8 | 22.6 | 22.1 | 22.1 | 22.1 |
| | | 80 | 40 | 23.3 | 23.4 | 23.4 | 23.0 | 23.0 | 23.1 |
| | | 160 | 0 | 22.4 | 22.4 | 22.5 | 22.0 | 22.1 | 22.2 |
| | 64QAM | 1 | 0 | 21.8 | 21.7 | 22.0 | 21.5 | **21.8** | 21.0 |
| | | 1 | 1 | 21.6 | 21.4 | 21.8 | 21.7 | 20.9 | 21.6 |
| | | 1 | 158 | 21.7 | 21.7 | 22.0 | 21.5 | 21.6 | 21.6 |
| | | 1 | 159 | 21.8 | 21.8 | **22.2** | 21.4 | 21.4 | 21.6 |
| | | 80 | 40 | 21.9 | 21.9 | 21.9 | 21.5 | 21.5 | 21.6 |
| | | 160 | 0 | 21.8 | 21.9 | 21.9 | 21.5 | 21.6 | 21.6 |
| | 256QAM | 1 | 0 | 19.8 | 20.1 | 20.0 | 19.6 | 19.6 | 19.4 |
| | | 1 | 1 | 19.7 | 20.0 | 19.6 | 19.6 | 19.5 | 19.0 |
| | | 1 | 158 | 19.9 | **20.2** | 19.6 | 19.6 | 19.6 | 19.3 |
| | | 1 | 159 | 19.8 | 20.0 | 19.6 | 19.7 | **19.7** | 19.4 |
| | | 80 | 40 | 19.8 | 19.9 | 19.8 | 19.5 | 19.5 | 19.6 |
| | | 160 | 0 | 19.9 | 19.8 | 19.9 | 19.6 | 19.5 | 19.5 |



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## OUTPUT POWER FOR 5G NR n7 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 504000 | 507000 | 510000 | 504000 | 507000 | 510000 |
| | | | | 2520.0 | 2535.0 | 2550.0 | 2520.0 | 2535.0 | 2550.0 |
| 40.0 | BPSK | 1 | 0 | 24.0 | 23.9 | 23.9 | 23.6 | 23.6 | 23.5 |
| | | 1 | 1 | 24.5 | 24.4 | 24.4 | 24.2 | 24.1 | 24.0 |
| | | 1 | 214 | **24.5** | 24.5 | **24.5** | 24.2 | **24.2** | 24.1 |
| | | 1 | 215 | 24.1 | 23.9 | 24.0 | 23.7 | 23.7 | 23.7 |
| | | 108 | 54 | 24.4 | 24.3 | 24.5 | 24.1 | 24.0 | 24.1 |
| | | 216 | 0 | 24.0 | 23.9 | 23.9 | 23.6 | 23.5 | 23.7 |
| | QPSK | 1 | 0 | 23.4 | 23.3 | 23.4 | 23.0 | 23.0 | 23.0 |
| | | 1 | 1 | 24.5 | 24.4 | 24.4 | 24.2 | 24.1 | 24.0 |
| | | 1 | 214 | 24.5 | 24.4 | 24.4 | 24.1 | 24.1 | 24.2 |
| | | 1 | 215 | 23.5 | 23.6 | 23.4 | 23.1 | 23.2 | 23.1 |
| | | 108 | 54 | **24.5** | 24.4 | 24.5 | 24.1 | 24.0 | **24.2** |
| | | 216 | 0 | 23.4 | 23.3 | 23.4 | 23.0 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | 22.2 | 22.3 | 22.5 | 22.1 | 22.1 | 21.7 |
| | | 1 | 1 | 23.5 | 23.6 | 23.1 | 22.9 | 23.2 | 23.1 |
| | | 1 | 214 | 23.3 | **23.8** | 23.6 | 23.0 | 23.2 | 23.2 |
| | | 1 | 215 | 22.5 | 22.7 | 22.6 | 22.1 | 22.0 | 22.1 |
| | | 108 | 54 | 23.5 | 23.3 | 23.6 | 23.1 | 23.0 | **23.2** |
| | | 216 | 0 | 22.5 | 22.4 | 22.5 | 22.1 | 21.9 | 22.1 |
| | 64QAM | 1 | 0 | 21.8 | 21.7 | 21.6 | 21.5 | 21.7 | 21.6 |
| | | 1 | 1 | 21.9 | 21.9 | 21.8 | 21.5 | 21.3 | **21.9** |
| | | 1 | 214 | 21.8 | 21.6 | 22.0 | 21.2 | 21.3 | **21.9** |
| | | 1 | 215 | 22.0 | **22.1** | 21.6 | 21.3 | 21.8 | 21.6 |
| | | 108 | 54 | 22.0 | 21.9 | 21.9 | 21.6 | 21.5 | 21.6 |
| | | 216 | 0 | 21.8 | 21.9 | 21.9 | 21.5 | 21.6 | 21.6 |
| | 256QAM | 1 | 0 | 19.7 | 20.1 | 20.3 | 19.3 | 19.5 | 19.1 |
| | | 1 | 1 | 19.8 | 19.9 | 19.7 | 19.4 | 19.4 | 19.0 |
| | | 1 | 214 | 19.8 | 20.0 | **20.4** | **20.1** | 19.6 | 20.0 |
| | | 1 | 215 | 20.4 | 19.4 | 20.3 | 19.6 | 19.5 | 19.4 |
| | | 108 | 54 | 19.9 | 19.8 | 19.9 | 19.5 | 19.5 | 19.7 |
| | | 216 | 0 | 20.0 | 19.8 | 19.9 | 19.6 | 19.4 | 19.6 |




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## OUTPUT POWER FOR 5G NR n7 (50.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 505000 | 507000 | 509000 | 505000 | 507000 | 509000 |
| | | | | 2525.0 | 2535.0 | 2545.0 | 2525.0 | 2535.0 | 2545.0 |
| 50.0 | BPSK | 1 | 0 | 23.9 | 24.0 | 23.9 | 23.7 | 23.7 | 23.6 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | 23.8 | 24.2 | 24.1 |
| | | 1 | 268 | 24.5 | **24.6** | 24.4 | 23.8 | **24.2** | 24.2 |
| | | 1 | 269 | 24.0 | 24.0 | 24.0 | 23.7 | 23.6 | 23.7 |
| | | 135 | 67 | 24.3 | 24.4 | 24.4 | 23.7 | 24.1 | 24.1 |
| | | 270 | 0 | 23.9 | 23.9 | 23.9 | 23.5 | 23.6 | 23.6 |
| | QPSK | 1 | 0 | 23.4 | 23.3 | 23.4 | 23.2 | 23.0 | 23.2 |
| | | 1 | 1 | 24.5 | 24.4 | 24.4 | 23.7 | 24.2 | 24.1 |
| | | 1 | 268 | **24.5** | **24.5** | 24.5 | 23.8 | **24.2** | 24.2 |
| | | 1 | 269 | 23.6 | 23.5 | 23.6 | 23.2 | 23.2 | 23.2 |
| | | 135 | 67 | 24.4 | 24.3 | 24.5 | 23.6 | 24.0 | 24.1 |
| | | 270 | 0 | 23.3 | 23.4 | 23.4 | 23.1 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | 22.5 | 22.3 | 22.3 | 22.2 | 22.0 | 22.3 |
| | | 1 | 1 | 23.2 | 23.6 | 23.6 | 23.3 | 23.3 | 23.3 |
| | | 1 | 268 | **23.7** | 23.4 | 23.5 | 23.3 | **23.4** | 23.3 |
| | | 1 | 269 | 22.3 | 22.5 | 22.7 | 22.1 | 22.1 | 22.2 |
| | | 135 | 67 | 23.4 | 23.3 | 23.4 | 23.0 | 23.1 | 23.1 |
| | | 270 | 0 | 22.3 | 22.3 | 22.4 | 22.0 | 22.0 | 22.0 |
| | 64QAM | 1 | 0 | 21.9 | 21.9 | 21.7 | 21.5 | 21.3 | 21.3 |
| | | 1 | 1 | 21.7 | 22.1 | 21.9 | 21.5 | 21.5 | 21.6 |
| | | 1 | 268 | 21.9 | **22.1** | 21.9 | **21.9** | 21.5 | 21.8 |
| | | 1 | 269 | 21.7 | 22.0 | 21.9 | 21.6 | 21.3 | 21.9 |
| | | 135 | 67 | 21.8 | 21.9 | 21.9 | 21.6 | 21.5 | 21.6 |
| | | 270 | 0 | 21.9 | 21.8 | 22.0 | 21.5 | 21.5 | 21.6 |
| | 256QAM | 1 | 0 | 20.0 | 19.9 | 19.8 | **20.0** | 19.5 | 19.4 |
| | | 1 | 1 | 20.0 | 20.1 | 20.0 | 19.6 | 19.7 | 19.7 |
| | | 1 | 268 | **20.4** | 19.7 | 20.0 | 19.7 | 19.8 | 19.5 |
| | | 1 | 269 | 20.2 | 19.9 | 20.1 | 19.8 | 19.6 | 19.4 |
| | | 135 | 67 | 20.0 | 19.9 | 19.8 | 19.5 | 19.4 | 19.6 |
| | | 270 | 0 | 19.9 | 19.8 | 19.9 | 19.5 | 19.5 | 19.6 |



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# 8.3. LTE BAND 12 AND 5G NR n12

## LTE BAND 12

| Test Engineer ID: | 24522NV and 39005RA | Test Date: | 2024-01-19 to 2024-04-02 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 12 (1.4 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 23017 | 23095 | 23173 | 23017 | 23095 | 23173 |
| | | | | 699.7 | 707.5 | 715.3 | 699.7 | 707.5 | 715.3 |
| 1.4 | QPSK | 1 | 0 | 24.1 | 24.1 | 24.1 | 23.6 | 24.1 | 24.2 |
| | | 1 | 3 | 23.9 | 24.0 | 24.0 | 23.6 | 24.1 | 24.0 |
| | | 1 | 5 | 24.1 | 24.1 | 24.2 | 23.6 | 24.1 | 24.2 |
| | | 3 | 0 | 24.0 | 24.1 | 24.1 | 23.5 | 24.1 | 24.1 |
| | | 3 | 1 | 24.0 | 24.0 | 24.1 | 23.5 | 24.0 | 24.1 |
| | | 3 | 3 | 24.0 | 24.0 | 24.0 | 23.5 | 24.0 | 24.0 |
| | | 6 | 0 | 24.1 | 24.2 | **24.2** | 23.6 | **24.2** | **24.2** |
| | 16QAM | 1 | 0 | 23.4 | 23.3 | 23.7 | 23.0 | 23.4 | 23.6 |
| | | 1 | 3 | 23.5 | 23.3 | **23.7** | 23.1 | 23.3 | **23.6** |
| | | 1 | 5 | 23.4 | 23.4 | 23.6 | 23.0 | 23.4 | 23.6 |
| | | 3 | 0 | 23.4 | 23.2 | 23.3 | 22.9 | 23.2 | 23.3 |
| | | 3 | 1 | 23.3 | 23.1 | 23.3 | 22.9 | 23.2 | 23.3 |
| | | 3 | 3 | 23.3 | 23.2 | 23.3 | 22.8 | 23.2 | 23.3 |
| | | 6 | 0 | 22.7 | 22.7 | 22.6 | 22.2 | 22.7 | 22.5 |
| | 64QAM | 1 | 0 | **22.9** | 22.8 | 22.8 | 22.2 | **22.7** | 22.7 |
| | | 1 | 3 | 22.9 | 22.7 | 22.7 | 22.2 | 22.7 | 22.6 |
| | | 1 | 5 | 22.8 | 22.7 | 22.7 | 22.3 | 22.7 | 22.6 |
| | | 3 | 0 | 22.6 | 22.7 | 22.7 | 22.1 | 22.6 | 22.5 |
| | | 3 | 1 | 22.6 | 22.6 | 22.6 | 22.1 | 22.5 | 22.5 |
| | | 3 | 3 | 22.5 | 22.6 | 22.6 | 22.1 | 22.5 | 22.4 |
| | | 6 | 0 | 21.7 | 21.7 | 21.8 | 21.1 | 21.6 | 21.4 |
| | 256QAM | 1 | 0 | 19.8 | 19.7 | 19.8 | 19.3 | 19.7 | 19.4 |
| | | 1 | 3 | **19.9** | 19.7 | 19.7 | 19.2 | **19.7** | 19.4 |
| | | 1 | 5 | 19.8 | 19.7 | 19.8 | 19.2 | 19.6 | 19.4 |
| | | 3 | 0 | 19.5 | 19.6 | 19.6 | 19.2 | 19.5 | 19.5 |
| | | 3 | 1 | 19.5 | 19.5 | 19.5 | 19.1 | 19.5 | 19.5 |
| | | 3 | 3 | 19.4 | 19.5 | 19.5 | 19.1 | 19.4 | 19.5 |
| | | 6 | 0 | 19.7 | 19.6 | 19.7 | 19.0 | 19.6 | 19.5 |

## OUTPUT POWER FOR LTE BAND 12 (3.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 23025 | 23095 | 23165 | 23017 | 23095 | 23173 |
| | | | | 700.5 | 707.5 | 714.5 | 699.7 | 707.5 | 715.3 |
| 3.0 | QPSK | 1 | 0 | 24.0 | 24.1 | 24.1 | 24.1 | 24.0 | 24.2 |
| | | 1 | 8 | 23.9 | 24.0 | 23.9 | 23.9 | 23.9 | 24.1 |
| | | 1 | 14 | 23.9 | 24.1 | **24.2** | 24.1 | 24.0 | **24.2** |
| | | 8 | 0 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| | | 8 | 4 | 24.0 | 24.1 | 24.0 | 24.1 | 24.1 | 24.1 |
| | | 8 | 7 | 24.0 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| | | 15 | 0 | 24.1 | 24.0 | 24.0 | 24.1 | 24.0 | 24.0 |
| | 16QAM | 1 | 0 | **23.7** | **23.7** | 23.4 | 23.5 | **23.7** | **23.7** |
| | | 1 | 8 | 23.6 | 23.6 | 23.2 | 23.4 | 23.5 | 23.5 |
| | | 1 | 14 | 23.7 | 23.6 | 23.2 | 23.4 | 23.6 | 23.5 |
| | | 8 | 0 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 |
| | | 8 | 4 | 22.7 | 22.6 | 22.7 | 22.6 | 22.7 | 22.6 |
| | | 8 | 7 | 22.7 | 22.6 | 22.7 | 22.6 | 22.6 | 22.6 |
| | | 15 | 0 | 22.7 | 22.6 | 22.6 | 22.7 | 22.6 | 22.6 |
| | 64QAM | 1 | 0 | 22.7 | 22.9 | 22.6 | 22.1 | 22.7 | **22.7** |
| | | 1 | 8 | 22.6 | 22.8 | 22.5 | 22.0 | 22.4 | 22.5 |
| | | 1 | 14 | 22.6 | **22.9** | 22.6 | 22.0 | 22.7 | 22.6 |
| | | 8 | 0 | 21.7 | 21.6 | 21.8 | 21.1 | 21.6 | 21.7 |
| | | 8 | 4 | 21.7 | 21.6 | 21.7 | 21.1 | 21.6 | 21.6 |
| | | 8 | 7 | 21.7 | 21.6 | 21.7 | 21.1 | 21.6 | 21.6 |
| | | 15 | 0 | 21.7 | 21.6 | 21.7 | 21.1 | 21.5 | 21.6 |
| | 256QAM | 1 | 0 | 19.8 | **20.0** | 19.9 | 19.3 | 19.8 | **19.8** |
| | | 1 | 8 | 19.7 | 19.8 | 19.8 | 19.2 | 19.6 | 19.8 |
| | | 1 | 14 | 19.7 | 19.9 | 19.8 | 19.2 | 19.6 | 19.8 |
| | | 8 | 0 | 19.6 | 19.6 | 19.7 | 19.1 | 19.7 | 19.7 |
| | | 8 | 4 | 19.6 | 19.6 | 19.6 | 19.1 | 19.7 | 19.6 |
| | | 8 | 7 | 19.5 | 19.6 | 19.7 | 19.1 | 19.7 | 19.6 |
| | | 15 | 0 | 19.6 | 19.6 | 19.7 | 19.1 | 19.5 | 19.6 |



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## OUTPUT POWER FOR LTE BAND 12 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 23035 | 23095 | 23155 | 23035 | 23095 | 23155 |
| | | | | 701.5 | 707.5 | 713.5 | 701.5 | 707.5 | 713.5 |
| 5.0 | QPSK | 1 | 0 | 24.0 | 24.1 | **24.1** | 23.7 | **24.1** | 24.0 |
| | | 1 | 12 | 24.0 | 23.9 | 24.1 | 23.6 | 24.1 | 24.0 |
| | | 1 | 24 | 24.0 | 24.0 | 24.1 | 23.6 | 24.1 | **24.1** |
| | | 12 | 0 | 24.0 | 24.1 | 24.1 | 23.7 | 24.1 | 24.1 |
| | | 12 | 7 | 24.0 | 24.1 | 24.1 | 23.6 | 24.1 | 24.1 |
| | | 12 | 13 | 24.0 | 24.1 | 24.1 | 23.6 | 24.1 | 24.1 |
| | | 25 | 0 | 24.0 | 24.1 | 24.1 | 23.7 | 24.1 | 24.1 |
| | 16QAM | 1 | 0 | 23.6 | 23.7 | **23.7** | 23.1 | 23.6 | **23.7** |
| | | 1 | 12 | 23.5 | 23.3 | 23.5 | 23.0 | 23.4 | 23.4 |
| | | 1 | 24 | 23.5 | 23.6 | 23.6 | 23.1 | 23.5 | 23.5 |
| | | 12 | 0 | 22.7 | 22.7 | 22.7 | 22.2 | 22.7 | 22.7 |
| | | 12 | 7 | 22.6 | 22.6 | 22.7 | 22.2 | 22.6 | 22.7 |
| | | 12 | 13 | 22.6 | 22.6 | 22.7 | 22.1 | 22.6 | 22.6 |
| | | 25 | 0 | 22.6 | 22.6 | 22.6 | 22.1 | 22.6 | 22.6 |
| | 64QAM | 1 | 0 | **23.1** | 22.7 | 22.8 | 22.4 | **22.7** | 22.6 |
| | | 1 | 12 | 22.9 | 22.6 | 22.7 | 22.3 | 22.7 | 22.5 |
| | | 1 | 24 | 22.9 | 22.7 | 22.6 | 22.4 | 22.7 | 22.5 |
| | | 12 | 0 | 21.7 | 21.7 | 21.7 | 21.1 | 21.6 | 21.6 |
| | | 12 | 7 | 21.7 | 21.6 | 21.7 | 21.1 | 21.5 | 21.6 |
| | | 12 | 13 | 21.6 | 21.6 | 21.6 | 21.1 | 21.5 | 21.5 |
| | | 25 | 0 | 21.6 | 21.7 | 21.7 | 21.1 | 21.6 | 21.6 |
| | 256QAM | 1 | 0 | **19.9** | 19.8 | 19.7 | 19.6 | 19.5 | **19.8** |
| | | 1 | 12 | 19.8 | 19.6 | 19.5 | 19.4 | 19.3 | 19.7 |
| | | 1 | 24 | 19.9 | 19.7 | 19.6 | 19.5 | 19.4 | 19.7 |
| | | 12 | 0 | 19.6 | 19.6 | 19.7 | 19.1 | 19.6 | 19.6 |
| | | 12 | 7 | 19.6 | 19.6 | 19.6 | 19.1 | 19.5 | 19.5 |
| | | 12 | 13 | 19.6 | 19.6 | 19.6 | 19.0 | 19.5 | 19.5 |
| | | 25 | 0 | 19.6 | 19.6 | 19.7 | 19.0 | 19.6 | 19.6 |

## OUTPUT POWER FOR LTE BAND 12 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | AMT 1 | | |
| | | | | 23060 | 23095 | 23130 | 23060 | 23095 | 23130 |
| | | | | 704.0 | 707.5 | 711.0 | 704.0 | 707.5 | 711.0 |
| 10.0 | QPSK | 1 | 0 | 24.1 | 23.4 | **24.2** | **24.0** | 23.7 | 23.9 |
| | | 1 | 25 | 24.1 | 23.3 | 24.1 | 23.9 | 23.6 | 23.8 |
| | | 1 | 49 | 24.1 | 23.3 | 24.0 | 23.8 | 23.6 | 23.8 |
| | | 25 | 0 | 23.1 | 22.4 | 23.1 | 22.9 | 22.7 | 22.9 |
| | | 25 | 12 | 23.1 | 22.4 | 23.1 | 22.9 | 22.7 | 22.8 |
| | | 25 | 25 | 23.1 | 22.3 | 23.0 | 22.8 | 22.6 | 22.8 |
| | | 50 | 0 | 23.1 | 22.4 | 23.1 | 22.9 | 22.7 | 22.8 |
| | 16QAM | 1 | 0 | **23.8** | 23.1 | 23.8 | 23.1 | **23.1** | 23.0 |
| | | 1 | 25 | 23.8 | 23.1 | 23.7 | 23.0 | 23.1 | 22.9 |
| | | 1 | 49 | 23.6 | 23.0 | 23.6 | 22.9 | 23.1 | 22.8 |
| | | 25 | 0 | 22.5 | 21.8 | 22.5 | 21.9 | 21.8 | 21.8 |
| | | 25 | 12 | 22.5 | 21.7 | 22.5 | 21.8 | 21.7 | 21.8 |
| | | 25 | 25 | 22.5 | 21.7 | 22.5 | 21.8 | 21.7 | 21.8 |
| | | 50 | 0 | 22.5 | 21.7 | 22.5 | 21.8 | 21.7 | 21.8 |
| | 64QAM | 1 | 0 | **22.8** | 22.0 | 22.8 | 22.1 | 22.0 | **22.2** |
| | | 1 | 25 | 22.7 | 22.0 | 22.7 | 22.0 | 21.6 | 22.1 |
| | | 1 | 49 | 22.6 | 21.8 | 22.6 | 21.9 | 21.6 | 22.0 |
| | | 25 | 0 | 21.6 | 20.8 | 21.6 | 20.9 | 20.8 | 20.9 |
| | | 25 | 12 | 21.5 | 20.8 | 21.5 | 20.8 | 20.7 | 20.8 |
| | | 25 | 25 | 21.5 | 20.8 | 21.5 | 20.8 | 20.7 | 20.8 |
| | | 50 | 0 | 21.5 | 20.8 | 21.5 | 20.8 | 20.7 | 20.8 |
| | 256QAM | 1 | 0 | 19.6 | 18.7 | **19.7** | 19.0 | 19.3 | 19.0 |
| | | 1 | 25 | 19.6 | 18.7 | 19.6 | 18.9 | **19.7** | 18.9 |
| | | 1 | 49 | 19.6 | 18.6 | 19.5 | 18.8 | **19.7** | 18.8 |
| | | 25 | 0 | 19.6 | 18.8 | 19.6 | 18.9 | 19.6 | 18.9 |
| | | 25 | 12 | 19.5 | 18.8 | 19.6 | 18.9 | 19.6 | 18.9 |
| | | 25 | 25 | 19.5 | 18.7 | 19.5 | 18.8 | 19.5 | 18.8 |
| | | 50 | 0 | 19.5 | 18.7 | 19.5 | 18.8 | 19.6 | 18.8 |



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## 5G NR n12

| Test Engineer ID: | 19210AL | Test Date: | 2024-02-06 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n12 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 140300 | 141500 | 142700 | 140300 | 141500 | 142700 |
| | | | | 701.5 | 707.5 | 713.5 | 701.5 | 707.5 | 713.5 |
| 5.0 | BPSK | 1 | 0 | 23.9 | 23.8 | 23.7 | 23.2 | 23.7 | 23.7 |
| | | 1 | 1 | 24.3 | **24.4** | 24.2 | 23.5 | 24.2 | **24.2** |
| | | 1 | 23 | 24.2 | 24.4 | 24.2 | 23.4 | 24.2 | **24.2** |
| | | 1 | 24 | 23.7 | 23.8 | 23.8 | 23.2 | 23.7 | 23.8 |
| | | 12 | 6 | 24.2 | 24.3 | 24.3 | 23.5 | 24.2 | 24.2 |
| | | 25 | 0 | 23.8 | 23.7 | 23.7 | 23.3 | 23.8 | 23.8 |
| | QPSK | 1 | 0 | 23.4 | 23.3 | 23.3 | 22.8 | 23.3 | 23.2 |
| | | 1 | 1 | 24.3 | 24.2 | 24.3 | 23.4 | 24.2 | 24.2 |
| | | 1 | 23 | **24.4** | 24.2 | 24.3 | 23.4 | 24.3 | 24.2 |
| | | 1 | 24 | 23.3 | 23.3 | 23.3 | 22.7 | 23.2 | 23.2 |
| | | 12 | 6 | 24.3 | 24.2 | 24.2 | 23.4 | **24.3** | 24.2 |
| | | 25 | 0 | 23.3 | 23.3 | 23.3 | 22.8 | 23.3 | 23.3 |
| | 16QAM | 1 | 0 | 22.1 | 22.2 | 22.4 | 21.6 | 21.8 | 22.1 |
| | | 1 | 1 | **23.5** | 23.3 | 22.9 | 22.6 | **23.6** | 23.5 |
| | | 1 | 23 | 23.5 | 23.4 | 23.5 | 22.4 | 23.3 | 23.3 |
| | | 1 | 24 | 22.0 | 22.2 | 22.2 | 21.7 | 22.1 | 22.2 |
| | | 12 | 6 | 23.4 | 23.4 | 23.4 | 22.7 | 23.3 | 23.2 |
| | | 25 | 0 | 22.4 | 22.3 | 22.3 | 21.8 | 22.2 | 22.3 |
| | 64QAM | 1 | 0 | 21.8 | 21.9 | 21.3 | 21.4 | 21.8 | 21.7 |
| | | 1 | 1 | 22.0 | 21.6 | **22.0** | 21.0 | 21.9 | 21.8 |
| | | 1 | 23 | 21.8 | 21.7 | 21.3 | 20.9 | 21.9 | **22.1** |
| | | 1 | 24 | 21.5 | **22.0** | 21.9 | 21.1 | 21.4 | 21.9 |
| | | 12 | 6 | 21.8 | 21.9 | 21.8 | 21.1 | 21.7 | 21.8 |
| | | 25 | 0 | 21.9 | 21.9 | 21.7 | 21.2 | 21.8 | 21.8 |
| | 256QAM | 1 | 0 | 19.7 | 20.0 | 19.7 | 19.1 | 19.5 | 20.0 |
| | | 1 | 1 | **20.2** | 19.7 | 19.7 | 19.3 | 19.8 | 19.9 |
| | | 1 | 23 | 20.1 | 19.4 | 19.8 | 19.1 | 19.5 | 19.6 |
| | | 1 | 24 | 19.9 | 19.6 | 19.7 | 19.2 | 19.5 | **20.0** |
| | | 12 | 6 | 19.8 | 19.7 | 19.8 | 19.2 | 19.8 | 19.8 |
| | | 25 | 0 | 19.9 | 19.8 | 19.7 | 19.3 | 19.7 | 19.7 |

## OUTPUT POWER FOR 5G NR n12 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 140800 | 141500 | 142200 | 140800 | 141500 | 142200 |
| | | | | 704.0 | 707.5 | 711.0 | 704.0 | 707.5 | 711.0 |
| 10.0 | BPSK | 1 | 0 | 23.8 | 23.8 | 23.8 | 23.7 | 23.7 | 23.8 |
| | | 1 | 1 | 24.3 | 24.3 | **24.3** | 24.2 | 24.2 | 24.2 |
| | | 1 | 50 | 24.3 | 24.3 | 24.3 | 24.2 | 24.2 | **24.3** |
| | | 1 | 51 | 23.8 | 23.8 | 23.7 | 23.8 | 23.7 | 23.6 |
| | | 25 | 12 | 24.2 | 24.2 | 24.3 | 24.2 | 24.1 | 24.2 |
| | | 50 | 0 | 23.7 | 23.7 | 23.7 | 23.6 | 23.6 | 23.6 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.2 | 23.1 | 23.2 | 23.2 |
| | | 1 | 1 | **24.3** | 24.3 | 24.2 | 24.2 | 24.2 | 24.2 |
| | | 1 | 50 | 24.3 | 24.2 | 24.2 | **24.3** | 24.2 | 24.2 |
| | | 1 | 51 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 |
| | | 25 | 12 | 24.2 | 24.2 | 24.3 | 24.1 | 24.1 | 24.1 |
| | | 50 | 0 | 23.3 | 23.3 | 23.2 | 23.2 | 23.1 | 23.2 |
| | 16QAM | 1 | 0 | 22.4 | 22.4 | 22.3 | 22.2 | 22.6 | 22.2 |
| | | 1 | 1 | 23.2 | 23.0 | **23.5** | 23.3 | **23.4** | 22.8 |
| | | 1 | 50 | 23.5 | 23.4 | 23.3 | 23.3 | 22.8 | 23.3 |
| | | 1 | 51 | 22.4 | 22.2 | 22.2 | 22.2 | 21.8 | 22.2 |
| | | 25 | 12 | 23.3 | 23.3 | 23.3 | 23.2 | 23.3 | 23.1 |
| | | 50 | 0 | 22.3 | 22.3 | 22.2 | 22.2 | 22.2 | 22.1 |
| | 64QAM | 1 | 0 | 21.5 | 21.8 | 22.2 | 21.6 | 22.0 | 21.3 |
| | | 1 | 1 | 22.1 | 21.9 | 21.9 | 21.5 | 21.5 | 21.5 |
| | | 1 | 50 | 21.8 | 21.4 | **22.3** | 21.7 | 21.2 | **22.2** |
| | | 1 | 51 | 22.2 | 21.8 | 22.2 | 21.4 | 21.9 | 22.0 |
| | | 25 | 12 | 21.8 | 21.7 | 21.8 | 21.6 | 21.7 | 21.7 |
| | | 50 | 0 | 21.7 | 21.9 | 21.8 | 21.7 | 21.7 | 21.7 |
| | 256QAM | 1 | 0 | 20.1 | 19.9 | 19.7 | 19.9 | **20.3** | 19.5 |
| | | 1 | 1 | 19.5 | 19.8 | 19.7 | 19.5 | 20.2 | 19.5 |
| | | 1 | 50 | 20.0 | **20.3** | 19.7 | 19.1 | 19.8 | 19.4 |
| | | 1 | 51 | 19.5 | 19.8 | 20.1 | 19.8 | 19.7 | 19.3 |
| | | 25 | 12 | 19.7 | 19.7 | 19.7 | 19.7 | 19.8 | 19.6 |
| | | 50 | 0 | 19.7 | 19.7 | 19.8 | 19.7 | 19.7 | 19.8 |



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## OUTPUT POWER FOR 5G NR n12 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 141300 | 141500 | 141700 | 141300 | 141500 | 141700 |
| | | | | 706.5 | 707.5 | 708.5 | 706.5 | 707.5 | 708.5 |
| 15.0 | BPSK | 1 | 0 | 23.7 | 23.8 | 23.7 | 23.6 | 23.7 | 23.7 |
| | | 1 | 1 | 24.3 | **24.4** | 24.2 | 24.1 | 24.2 | 24.1 |
| | | 1 | 77 | 24.2 | 24.3 | 24.3 | 24.2 | **24.2** | 24.1 |
| | | 1 | 78 | 23.7 | 23.9 | 23.6 | 23.6 | 23.7 | 23.5 |
| | | 36 | 18 | 24.2 | 24.3 | 24.2 | 24.1 | 24.2 | 24.2 |
| | | 75 | 0 | 23.8 | 23.8 | 23.8 | 23.7 | 23.7 | 23.7 |
| | QPSK | 1 | 0 | 23.2 | 23.2 | 23.3 | 23.3 | 23.0 | 23.2 |
| | | 1 | 1 | 24.2 | 24.3 | **24.3** | 24.2 | 24.1 | 24.1 |
| | | 1 | 77 | 24.3 | 24.3 | 24.3 | 24.2 | 24.1 | 24.2 |
| | | 1 | 78 | 23.2 | 23.3 | 23.3 | 23.2 | 23.1 | 23.2 |
| | | 36 | 18 | **24.3** | 24.2 | 24.2 | 24.1 | 24.2 | **24.3** |
| | | 75 | 0 | 23.3 | 23.3 | 23.2 | 23.2 | 23.2 | 23.2 |
| | 16QAM | 1 | 0 | 22.3 | 22.3 | 22.3 | 21.8 | 22.2 | 22.3 |
| | | 1 | 1 | 23.1 | 23.2 | **23.7** | 23.2 | 22.9 | **23.3** |
| | | 1 | 77 | 23.5 | 23.4 | 23.3 | 23.1 | 23.2 | 23.0 |
| | | 1 | 78 | 22.5 | 22.3 | 22.3 | 22.1 | 22.0 | 22.3 |
| | | 36 | 18 | 23.3 | 23.2 | 23.3 | 23.2 | 23.2 | 23.1 |
| | | 75 | 0 | 22.3 | 22.3 | 22.3 | 22.1 | 22.2 | 22.2 |
| | 64QAM | 1 | 0 | 21.8 | 21.6 | 22.1 | 21.8 | 21.7 | 21.5 |
| | | 1 | 1 | **22.2** | 21.6 | 22.0 | **21.9** | 21.7 | 21.7 |
| | | 1 | 77 | 21.7 | 21.3 | 21.7 | 21.7 | 21.8 | 21.4 |
| | | 1 | 78 | 21.9 | 21.8 | 21.4 | 21.5 | 21.5 | 21.7 |
| | | 36 | 18 | 21.8 | 21.7 | 21.7 | 21.7 | 21.6 | 21.7 |
| | | 75 | 0 | 21.8 | 21.8 | 21.7 | 21.7 | 21.6 | 21.5 |
| | 256QAM | 1 | 0 | 19.4 | 20.1 | 19.6 | 19.7 | 19.9 | 19.7 |
| | | 1 | 1 | 19.7 | 19.7 | 20.0 | 19.6 | 20.0 | 19.5 |
| | | 1 | 77 | 19.7 | 19.1 | 19.7 | 19.6 | **20.1** | 19.6 |
| | | 1 | 78 | **20.2** | 19.4 | 19.4 | 19.7 | 19.5 | 19.9 |
| | | 36 | 18 | 19.8 | 19.7 | 19.8 | 19.7 | 19.6 | 19.7 |
| | | 75 | 0 | 19.7 | 19.8 | 19.8 | 19.7 | 19.8 | 19.7 |



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## 8.4. LTE BAND 13

| Test Engineer ID: | 43576TS, 39005RA and 50813CM | Test Date: | 2024-01-12 to 2024-04-02 |
|---|---|---|---|

### OUTPUT POWER FOR LTE BAND 13 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 23205 | 23230 | 23255 | 23205 | 23230 | 23255 |
| | | | | 779.5 | 782.0 | 784.5 | 779.5 | 782.0 | 784.5 |
| 5.0 | QPSK | 1 | 0 | 24.4 | 24.1 | 24.4 | **24.1** | 23.7 | 23.9 |
| | | 1 | 12 | 24.4 | 24.3 | **24.4** | 24.0 | 23.6 | 23.9 |
| | | 1 | 24 | 24.4 | 24.2 | 24.4 | 24.0 | 23.7 | 23.9 |
| | | 12 | 0 | 23.4 | 23.2 | 23.3 | 23.0 | 22.6 | 22.9 |
| | | 12 | 6 | 23.4 | 23.2 | 23.3 | 23.0 | 22.6 | 22.9 |
| | | 12 | 11 | 23.4 | 23.2 | 23.3 | 22.9 | 22.5 | 22.9 |
| | | 25 | 0 | 23.4 | 23.2 | 23.5 | 23.0 | 22.6 | 22.9 |
| | 16QAM | 1 | 0 | 23.5 | 23.4 | 23.4 | 23.4 | 23.3 | 23.4 |
| | | 1 | 12 | **23.5** | 23.4 | 23.4 | 23.3 | 23.1 | 23.4 |
| | | 1 | 24 | 23.4 | 23.4 | 23.4 | 23.4 | 23.3 | **23.5** |
| | | 12 | 0 | 22.4 | 22.2 | 22.4 | 22.5 | 22.4 | 22.4 |
| | | 12 | 6 | 22.4 | 22.2 | 22.4 | 22.4 | 22.3 | 22.4 |
| | | 12 | 11 | 22.4 | 22.2 | 22.4 | 22.4 | 22.3 | 22.4 |
| | | 25 | 0 | 22.5 | 22.2 | 22.5 | 22.5 | 22.4 | 22.4 |
| | 64QAM | 1 | 0 | 22.5 | 22.5 | 22.6 | **22.7** | 22.5 | 22.6 |
| | | 1 | 12 | 22.6 | 22.6 | 22.6 | 22.6 | 22.4 | 22.6 |
| | | 1 | 24 | 22.5 | 22.5 | **22.7** | 22.6 | 22.4 | 22.6 |
| | | 12 | 0 | 21.4 | 21.3 | 21.5 | 21.5 | 21.5 | 21.4 |
| | | 12 | 6 | 21.4 | 21.3 | 21.5 | 21.5 | 21.4 | 21.4 |
| | | 12 | 11 | 21.4 | 21.2 | 21.5 | 21.5 | 21.5 | 21.4 |
| | | 25 | 0 | 21.4 | 21.2 | 21.5 | 21.5 | 21.5 | 21.4 |
| | 256QAM | 1 | 0 | 19.4 | 19.4 | **19.6** | **19.6** | 19.6 | 19.6 |
| | | 1 | 12 | 19.4 | 19.3 | 19.5 | 19.5 | 19.5 | 19.5 |
| | | 1 | 24 | 19.4 | 19.3 | 19.5 | 19.5 | 19.4 | 19.5 |
| | | 12 | 0 | 19.4 | 19.3 | 19.5 | 19.5 | 19.6 | 19.4 |
| | | 12 | 6 | 19.4 | 19.3 | 19.4 | 19.5 | 19.5 | 19.4 |
| | | 12 | 11 | 19.4 | 19.2 | 19.4 | 19.5 | 19.5 | 19.4 |
| | | 25 | 0 | 19.4 | 19.3 | 19.5 | 19.5 | 19.5 | 19.4 |

### OUTPUT POWER FOR LTE BAND 13 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | N/A | 23230 | N/A | N/A | 23230 | N/A |
| | | | | N/A | 782.0 | N/A | N/A | 782.0 | N/A |
| 10.0 | QPSK | 1 | 0 | | **24.5** | | | **24.2** | |
| | | 1 | 24 | | **24.5** | | | 24.1 | |
| | | 1 | 49 | | 24.4 | | | 24.1 | |
| | | 25 | 0 | | 23.3 | | | 23.1 | |
| | | 25 | 12 | | 23.3 | | | 23.1 | |
| | | 25 | 24 | | 23.2 | | | 23.1 | |
| | | 50 | 0 | | 23.3 | | | 23.1 | |
| | 16QAM | 1 | 0 | | **23.4** | | | 23.4 | |
| | | 1 | 24 | | 23.4 | | | 23.4 | |
| | | 1 | 49 | | **23.4** | | | **23.4** | |
| | | 25 | 0 | | 22.3 | | | 22.5 | |
| | | 25 | 12 | | 22.3 | | | 22.4 | |
| | | 25 | 24 | | 22.3 | | | 22.4 | |
| | | 50 | 0 | | 22.3 | | | 22.5 | |
| | 64QAM | 1 | 0 | | 22.3 | | | **22.5** | |
| | | 1 | 24 | | **22.3** | | | 22.5 | |
| | | 1 | 49 | | 22.2 | | | **22.5** | |
| | | 25 | 0 | | 21.3 | | | 21.5 | |
| | | 25 | 12 | | 21.3 | | | 21.5 | |
| | | 25 | 24 | | 21.3 | | | 21.5 | |
| | | 50 | 0 | | 21.3 | | | 21.5 | |
| | 256QAM | 1 | 0 | | 19.4 | | | **19.6** | |
| | | 1 | 24 | | **19.6** | | | 19.5 | |
| | | 1 | 49 | | 19.4 | | | 19.5 | |
| | | 25 | 0 | | 19.3 | | | 19.5 | |
| | | 25 | 12 | | 19.3 | | | 19.5 | |
| | | 25 | 24 | | 19.3 | | | 19.4 | |
| | | 50 | 0 | | 19.3 | | | 19.5 | |




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# 8.5. LTE BAND 14 AND 5G NR n14

## LTE BAND 14

| Test Engineer ID: | 24937ZM, 39005RA and 50813CM | Test Date: | 2024-01-19 to 2024-04-02 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 14 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 23305 | 23330 | 23355 | 23305 | 23330 | 23355 |
| | | | | 790.5 | 793.0 | 795.5 | 790.5 | 793.0 | 795.5 |
| 5.0 | QPSK | 1 | 0 | 24.5 | 24.3 | 24.4 | **24.3** | 23.8 | 24.2 |
| | | 1 | 12 | 24.5 | 24.3 | 24.5 | 24.2 | 23.8 | 24.1 |
| | | 1 | 24 | **24.5** | 24.2 | 24.4 | 24.2 | 23.8 | 24.2 |
| | | 12 | 0 | 23.5 | 23.6 | 23.5 | 23.2 | 23.1 | 23.2 |
| | | 12 | 6 | 23.4 | 23.6 | 23.5 | 23.2 | 23.0 | 23.2 |
| | | 12 | 11 | 23.4 | 23.5 | 23.5 | 23.2 | 23.0 | 23.2 |
| | | 25 | 0 | 23.4 | 23.6 | 23.5 | 23.2 | 23.1 | 23.2 |
| | 16QAM | 1 | 0 | 23.6 | 23.9 | 23.5 | 23.3 | 23.3 | 23.3 |
| | | 1 | 12 | 23.5 | **24.0** | 23.5 | 23.1 | 23.1 | 23.1 |
| | | 1 | 24 | 23.6 | 23.8 | 23.5 | 23.3 | **23.4** | 23.3 |
| | | 12 | 0 | 22.5 | 23.0 | 22.5 | 22.2 | 22.3 | 22.2 |
| | | 12 | 6 | 22.5 | 22.9 | 22.4 | 22.2 | 22.3 | 22.1 |
| | | 12 | 11 | 22.4 | 22.9 | 22.4 | 22.2 | 22.3 | 22.1 |
| | | 25 | 0 | 22.5 | 22.9 | 22.5 | 22.2 | 22.4 | 22.2 |
| | 64QAM | 1 | 0 | 22.7 | 23.0 | 22.7 | 22.4 | 22.4 | 22.4 |
| | | 1 | 12 | 22.6 | **23.1** | 22.7 | 22.4 | 22.4 | 22.4 |
| | | 1 | 24 | 22.7 | 23.0 | 22.7 | 22.4 | **22.5** | 22.4 |
| | | 12 | 0 | 21.5 | 21.8 | 21.5 | 21.1 | 21.3 | 21.2 |
| | | 12 | 6 | 21.5 | 21.8 | 21.5 | 21.1 | 21.3 | 21.2 |
| | | 12 | 11 | 21.5 | 21.8 | 21.5 | 21.1 | 21.3 | 21.2 |
| | | 25 | 0 | 21.5 | 21.9 | 21.5 | 21.2 | 21.3 | 21.2 |
| | 256QAM | 1 | 0 | 19.6 | 19.9 | 19.7 | 19.3 | **19.4** | 19.3 |
| | | 1 | 12 | 19.6 | 19.8 | 19.7 | 19.3 | 19.2 | 19.2 |
| | | 1 | 24 | 19.6 | 19.9 | 19.7 | 19.3 | 19.3 | 19.2 |
| | | 12 | 0 | 19.5 | **20.0** | 19.5 | 19.2 | 19.3 | 19.2 |
| | | 12 | 6 | 19.5 | 20.0 | 19.5 | 19.2 | 19.3 | 19.2 |
| | | 12 | 11 | 19.5 | 20.0 | 19.5 | 19.2 | 19.2 | 19.1 |
| | | 25 | 0 | 19.5 | 20.0 | 19.5 | 19.2 | 19.3 | 19.2 |

## OUTPUT POWER FOR LTE BAND 14 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | N/A | 23330 | N/A | N/A | 23330 | N/A |
| | | | | N/A | 793.0 | N/A | N/A | 793.0 | N/A |
| 10.0 | QPSK | 1 | 0 | | **24.4** | | | **24.0** | |
| | | 1 | 24 | | 24.2 | | | 23.9 | |
| | | 1 | 49 | | 24.2 | | | 23.9 | |
| | | 25 | 0 | | 23.5 | | | 23.1 | |
| | | 25 | 12 | | 23.5 | | | 23.1 | |
| | | 25 | 24 | | 23.5 | | | 23.1 | |
| | | 50 | 0 | | 23.5 | | | 23.1 | |
| | 16QAM | 1 | 0 | | **23.8** | | | **23.5** | |
| | | 1 | 24 | | 23.7 | | | 23.5 | |
| | | 1 | 49 | | 23.7 | | | 23.4 | |
| | | 25 | 0 | | 22.9 | | | 22.4 | |
| | | 25 | 12 | | 22.9 | | | 22.4 | |
| | | 25 | 24 | | 22.9 | | | 22.4 | |
| | | 50 | 0 | | 22.9 | | | 22.4 | |
| | 64QAM | 1 | 0 | | **22.9** | | | 22.3 | |
| | | 1 | 24 | | 22.9 | | | **22.3** | |
| | | 1 | 49 | | 22.9 | | | 22.3 | |
| | | 25 | 0 | | 22.0 | | | 21.4 | |
| | | 25 | 12 | | 22.0 | | | 21.4 | |
| | | 25 | 24 | | 22.0 | | | 21.3 | |
| | | 50 | 0 | | 22.0 | | | 21.4 | |
| | 256QAM | 1 | 0 | | 20.0 | | | **19.4** | |
| | | 1 | 24 | | 19.9 | | | 19.3 | |
| | | 1 | 49 | | 19.8 | | | 19.3 | |
| | | 25 | 0 | | **20.0** | | | 19.4 | |
| | | 25 | 12 | | 20.0 | | | 19.3 | |
| | | 25 | 24 | | 19.9 | | | 19.3 | |
| | | 50 | 0 | | 19.9 | | | 19.3 | |




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## 5G NR n14

| Test Engineer ID: | 27966PV | Test Date: | 2024-03-06 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n14 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 158100 | 158600 | 159100 | 158100 | 158600 | 159100 |
| | | | | 790.5 | 793.0 | 795.5 | 790.5 | 793.0 | 795.5 |
| 5.0 | BPSK | 1 | 0 | 23.8 | 23.7 | 23.8 | 23.5 | 23.6 | 23.6 |
| | | 1 | 1 | **24.3** | 24.3 | 24.3 | 24.0 | 24.1 | 24.0 |
| | | 1 | 23 | 24.3 | 24.3 | 24.2 | 24.0 | 23.9 | 24.0 |
| | | 1 | 24 | 23.7 | 23.7 | 23.7 | 23.5 | 23.5 | 23.4 |
| | | 12 | 6 | 24.3 | 24.2 | 24.2 | 24.0 | **24.1** | 23.9 |
| | | 25 | 0 | 23.7 | 23.8 | 23.7 | 23.5 | 23.5 | 23.5 |
| | QPSK | 1 | 0 | 23.3 | 23.2 | 23.2 | 23.0 | 23.1 | 23.1 |
| | | 1 | 1 | **24.3** | 24.3 | 24.3 | 24.0 | 24.0 | 24.0 |
| | | 1 | 23 | 24.3 | 24.2 | 24.2 | 24.0 | **24.1** | 24.0 |
| | | 1 | 24 | 23.2 | 23.2 | 23.1 | 22.9 | 23.1 | 23.0 |
| | | 12 | 6 | 24.1 | 24.3 | 24.1 | 24.0 | 24.0 | 24.0 |
| | | 25 | 0 | 23.2 | 23.2 | 23.2 | 23.0 | 23.0 | 22.9 |
| | 16QAM | 1 | 0 | 22.2 | 22.2 | 22.6 | 22.1 | 22.2 | 21.8 |
| | | 1 | 1 | 23.4 | 23.2 | 23.5 | 22.8 | 23.0 | **23.1** |
| | | 1 | 23 | 23.1 | **23.6** | 23.2 | 22.8 | 22.7 | 23.0 |
| | | 1 | 24 | 22.1 | 22.2 | 22.2 | 22.1 | 21.9 | 22.1 |
| | | 12 | 6 | 23.3 | 23.2 | 23.2 | 22.9 | 23.0 | 23.0 |
| | | 25 | 0 | 22.2 | 22.2 | 22.1 | 21.9 | 21.9 | 21.9 |
| | 64QAM | 1 | 0 | 21.6 | 21.7 | 21.7 | 21.4 | 21.7 | 20.9 |
| | | 1 | 1 | 21.5 | 21.7 | 21.5 | 21.8 | 21.7 | 21.4 |
| | | 1 | 23 | 21.4 | 21.8 | 21.5 | 21.2 | 21.3 | 20.9 |
| | | 1 | 24 | 21.5 | 21.6 | **21.9** | 21.7 | 21.3 | **21.8** |
| | | 12 | 6 | 21.7 | 21.7 | 21.7 | 21.4 | 21.4 | 21.4 |
| | | 25 | 0 | 21.8 | 21.7 | 21.7 | 21.4 | 21.4 | 21.4 |
| | 256QAM | 1 | 0 | 19.5 | 20.0 | 19.3 | 19.1 | 19.3 | 19.4 |
| | | 1 | 1 | 20.2 | 19.2 | 19.2 | 19.8 | 19.6 | 19.1 |
| | | 1 | 23 | 19.7 | 19.8 | 19.9 | 19.2 | 19.5 | 19.3 |
| | | 1 | 24 | 19.5 | 20.0 | **20.2** | **19.9** | 19.8 | 19.8 |
| | | 12 | 6 | 19.8 | 19.7 | 19.7 | 19.4 | 19.4 | 19.4 |
| | | 25 | 0 | 19.8 | 19.7 | 19.7 | 19.6 | 19.5 | 19.4 |

## OUTPUT POWER FOR 5G NR n14 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | N/A | 158600 | N/A | N/A | 158600 | N/A |
| | | | | N/A | 793.0 | N/A | N/A | 793.0 | N/A |
| 10.0 | BPSK | 1 | 0 | | 23.8 | | | 23.5 | |
| | | 1 | 1 | | **24.3** | | | **24.0** | |
| | | 1 | 50 | | 24.2 | | | 24.0 | |
| | | 1 | 51 | | 23.7 | | | 23.5 | |
| | | 25 | 12 | | 24.3 | | | 23.9 | |
| | | 50 | 0 | | 23.6 | | | 23.5 | |
| | QPSK | 1 | 0 | | 23.3 | | | 23.0 | |
| | | 1 | 1 | | 24.2 | | | **24.0** | |
| | | 1 | 50 | | **24.2** | | | 23.9 | |
| | | 1 | 51 | | 23.2 | | | 22.9 | |
| | | 25 | 12 | | 24.2 | | | 24.0 | |
| | | 50 | 0 | | 23.1 | | | 22.9 | |
| | 16QAM | 1 | 0 | | 21.9 | | | 22.2 | |
| | | 1 | 1 | | 23.2 | | | 23.0 | |
| | | 1 | 50 | | **23.3** | | | 22.9 | |
| | | 1 | 51 | | 21.8 | | | 21.8 | |
| | | 25 | 12 | | 23.2 | | | **23.0** | |
| | | 50 | 0 | | 22.2 | | | 21.9 | |
| | 64QAM | 1 | 0 | | 21.6 | | | 21.4 | |
| | | 1 | 1 | | **21.8** | | | **21.8** | |
| | | 1 | 50 | | 21.5 | | | 21.6 | |
| | | 1 | 51 | | 21.5 | | | 21.5 | |
| | | 25 | 12 | | 21.7 | | | 21.4 | |
| | | 50 | 0 | | 21.7 | | | 21.5 | |
| | 256QAM | 1 | 0 | | 19.8 | | | **20.1** | |
| | | 1 | 1 | | 19.8 | | | 19.5 | |
| | | 1 | 50 | | 19.7 | | | 19.5 | |
| | | 1 | 51 | | **20.2** | | | 19.3 | |
| | | 25 | 12 | | 19.7 | | | 19.5 | |
| | | 50 | 0 | | 19.7 | | | 19.6 | |



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## 8.6. LTE BAND 17

| Test Engineer ID: | 39005RA and 24522NV | Test Date: | 2024-01-19 to 2024-04-02 |
|---|---|---|---|

### OUTPUT POWER FOR LTE BAND 17 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 23755 | 23790 | 23825 | 23755 | 23790 | 23825 |
| | | | | 706.5 | 710.0 | 713.5 | 706.5 | 710.0 | 713.5 |
| 5.0 | QPSK | 1 | 0 | 24.3 | 24.3 | **24.3** | **23.9** | 23.7 | **23.9** |
| | | 1 | 12 | 24.3 | 24.3 | 24.1 | 23.8 | 23.6 | 23.8 |
| | | 1 | 24 | 24.3 | 24.3 | 24.3 | 23.8 | 23.6 | 23.8 |
| | | 12 | 0 | 23.3 | 23.3 | 23.3 | 22.9 | 22.7 | 22.9 |
| | | 12 | 6 | 23.3 | 23.3 | 23.3 | 22.9 | 22.7 | 22.9 |
| | | 12 | 11 | 23.3 | 23.3 | 23.3 | 22.9 | 22.7 | 22.9 |
| | | 25 | 0 | 23.3 | 23.3 | 23.3 | 22.9 | 22.7 | 22.9 |
| | 16QAM | 1 | 0 | **23.7** | 23.7 | **23.7** | 23.0 | 23.0 | **23.1** |
| | | 1 | 12 | 23.6 | 23.5 | 23.6 | 22.8 | 22.8 | 22.9 |
| | | 1 | 24 | 23.7 | 23.6 | 23.5 | 22.9 | **23.1** | 22.9 |
| | | 12 | 0 | 22.5 | 22.5 | 22.6 | 21.9 | 22.0 | 21.8 |
| | | 12 | 6 | 22.5 | 22.4 | 22.5 | 21.9 | 22.0 | 21.8 |
| | | 12 | 11 | 22.5 | 22.4 | 22.5 | 21.9 | 22.0 | 21.8 |
| | | 25 | 0 | 22.5 | 22.5 | 22.5 | 21.9 | 22.0 | 21.9 |
| | 64QAM | 1 | 0 | 22.8 | 22.6 | **22.8** | **22.1** | 21.9 | 22.1 |
| | | 1 | 12 | 22.7 | 22.5 | 22.8 | 22.0 | 21.8 | 22.1 |
| | | 1 | 24 | 22.7 | 22.6 | 22.7 | 22.1 | 22.0 | 22.1 |
| | | 12 | 0 | 21.6 | 21.5 | 21.5 | 20.9 | 21.0 | 20.8 |
| | | 12 | 6 | 21.6 | 21.5 | 21.5 | 20.9 | 21.0 | 20.8 |
| | | 12 | 11 | 21.5 | 21.5 | 21.5 | 20.9 | 21.0 | 20.8 |
| | | 25 | 0 | 21.5 | 21.5 | 21.6 | 20.9 | 21.0 | 20.9 |
| | 256QAM | 1 | 0 | 19.6 | **19.7** | **19.7** | 19.0 | **19.3** | 19.1 |
| | | 1 | 12 | 19.6 | 19.6 | 19.6 | 18.9 | 19.2 | 19.0 |
| | | 1 | 24 | 19.5 | 19.6 | 19.6 | 18.9 | 19.2 | 19.0 |
| | | 12 | 0 | 19.5 | 19.4 | 19.4 | 18.9 | 19.0 | 18.9 |
| | | 12 | 6 | 19.5 | 19.4 | 19.4 | 18.9 | 19.0 | 18.9 |
| | | 12 | 11 | 19.5 | 19.4 | 19.5 | 18.9 | 19.0 | 18.9 |
| | | 25 | 0 | 19.5 | 19.5 | 19.5 | 18.9 | 19.0 | 18.9 |

### OUTPUT POWER FOR LTE BAND 17 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 23780 | 23790 | 23800 | 23780 | 23790 | 23800 |
| | | | | 709.0 | 710.0 | 711.0 | 709.0 | 710.0 | 711.0 |
| 10.0 | QPSK | 1 | 0 | **24.3** | 24.2 | 24.2 | **23.9** | 23.8 | **23.9** |
| | | 1 | 24 | 24.2 | 24.2 | 24.1 | 23.8 | 23.7 | 23.9 |
| | | 1 | 49 | 24.1 | 24.1 | 24.1 | 23.8 | 23.6 | 23.8 |
| | | 25 | 0 | 23.2 | 23.2 | 23.2 | 22.9 | 22.8 | 22.9 |
| | | 25 | 12 | 23.2 | 23.2 | 23.2 | 22.9 | 22.7 | 22.9 |
| | | 25 | 24 | 23.2 | 23.2 | 23.2 | 22.8 | 22.7 | 22.8 |
| | | 50 | 0 | 23.2 | 23.2 | 23.2 | 22.9 | 22.8 | 22.9 |
| | 16QAM | 1 | 0 | 23.6 | 23.6 | **23.7** | 23.2 | **23.3** | 23.0 |
| | | 1 | 24 | 23.5 | 23.5 | 23.5 | 23.0 | 23.2 | 22.9 |
| | | 1 | 49 | 23.5 | 23.6 | 23.5 | 22.9 | 23.1 | 22.8 |
| | | 25 | 0 | 22.5 | 22.5 | 22.5 | 21.9 | 22.1 | 21.9 |
| | | 25 | 12 | 22.5 | 22.4 | 22.5 | 21.9 | 22.0 | 21.9 |
| | | 25 | 24 | 22.4 | 22.4 | 22.5 | 21.8 | 22.0 | 21.8 |
| | | 50 | 0 | 22.5 | 22.5 | 22.5 | 21.9 | 22.1 | 21.9 |
| | 64QAM | 1 | 0 | **22.8** | 22.7 | 22.8 | **22.2** | 22.2 | 22.2 |
| | | 1 | 24 | 22.7 | 22.7 | 22.7 | 22.1 | 22.1 | 22.1 |
| | | 1 | 49 | 22.7 | 22.7 | 22.7 | 22.1 | 22.1 | 22.0 |
| | | 25 | 0 | 21.6 | 21.4 | 21.5 | 20.9 | 21.1 | 20.9 |
| | | 25 | 12 | 21.5 | 21.4 | 21.5 | 20.9 | 21.1 | 20.9 |
| | | 25 | 24 | 21.5 | 21.4 | 21.5 | 20.8 | 21.0 | 20.9 |
| | | 50 | 0 | 21.5 | 21.5 | 21.6 | 20.9 | 21.1 | 20.9 |
| | 256QAM | 1 | 0 | **19.7** | 19.5 | 19.6 | 19.3 | **19.3** | 19.0 |
| | | 1 | 24 | 19.6 | 19.5 | 19.6 | 19.2 | 19.1 | 18.9 |
| | | 1 | 49 | 19.6 | 19.5 | 19.5 | 19.1 | 19.1 | 18.9 |
| | | 25 | 0 | 19.6 | 19.4 | 19.5 | 18.9 | 19.1 | 18.9 |
| | | 25 | 12 | 19.5 | 19.4 | 19.5 | 18.9 | 19.1 | 18.9 |
| | | 25 | 24 | 19.5 | 19.4 | 19.5 | 18.8 | 19.0 | 18.9 |
| | | 50 | 0 | 19.5 | 19.5 | 19.5 | 18.9 | 19.0 | 18.8 |




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# 8.7. LTE BAND 25 AND 5G NR n25

## LTE BAND 25

| Test Engineer ID: | 43576TS, 50813CM and 28529JB | Test Date: | 2024-01-12 to 2024-03-19 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 25 (1.4 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 26047 | 26365 | 26683 | 26047 | 26365 | 26683 | 26047 | 26365 | 26683 | 26047 | 26365 | 26683 |
| | | | | 1850.7 | 1882.5 | 1914.3 | 1850.7 | 1882.5 | 1914.3 | 1850.7 | 1882.5 | 1914.3 | 1850.7 | 1882.5 | 1914.3 |
| 1.4 | QPSK | 1 | 0 | 24.2 | 24.2 | 24.0 | 23.9 | **24.0** | 23.7 | **23.3** | 23.2 | 23.1 | 23.5 | **23.5** | 23.4 |
| | | 1 | 2 | 24.1 | **24.2** | 23.8 | 23.8 | **24.0** | 23.6 | 23.1 | 23.3 | 23.0 | 23.3 | 23.3 | 23.3 |
| | | 1 | 5 | 24.2 | 24.2 | 24.0 | 23.9 | 23.9 | 23.7 | 23.2 | 23.2 | 23.0 | 23.4 | 23.4 | 23.3 |
| | | 3 | 0 | 24.0 | 24.1 | 23.9 | 23.8 | 23.8 | 23.7 | 23.1 | 23.2 | 23.0 | 23.3 | 23.4 | 23.2 |
| | | 3 | 1 | 24.0 | 24.1 | 23.9 | 23.7 | 23.8 | 23.7 | 23.1 | 23.1 | 23.0 | 23.3 | 23.3 | 23.2 |
| | | 3 | 2 | 23.9 | 24.0 | 23.8 | 23.7 | 23.8 | 23.6 | 23.1 | 23.0 | 23.0 | 23.3 | 23.3 | 23.1 |
| | | 6 | 0 | 23.1 | 23.1 | 23.0 | 22.9 | 23.0 | 22.7 | 22.1 | 22.2 | 22.0 | 22.9 | 22.7 | 22.9 |
| | 16QAM | 1 | 0 | 23.2 | 23.2 | 23.3 | 23.0 | 22.9 | 22.9 | 22.4 | 22.4 | 22.4 | 22.5 | 22.5 | 22.4 |
| | | 1 | 2 | 23.3 | 23.2 | **23.4** | **23.0** | 23.0 | **23.0** | **22.5** | 22.3 | 22.3 | **22.6** | 22.6 | 22.2 |
| | | 1 | 5 | 23.2 | 23.3 | 23.4 | **23.0** | 23.0 | 23.0 | 22.4 | 22.4 | 22.4 | 22.6 | 22.5 | 22.4 |
| | | 3 | 0 | 23.2 | 23.1 | 22.9 | 22.9 | 22.8 | 22.7 | 22.3 | 22.3 | 22.1 | 22.4 | 22.4 | 22.2 |
| | | 3 | 1 | 23.1 | 22.9 | 23.0 | 22.8 | 22.8 | 22.7 | 22.2 | 22.3 | 22.1 | 22.3 | 22.3 | 22.1 |
| | | 3 | 2 | 23.1 | 23.0 | 22.9 | 22.8 | 22.8 | 22.7 | 22.2 | 22.3 | 22.0 | 22.3 | 22.3 | 22.2 |
| | | 6 | 0 | 22.2 | 22.2 | 21.9 | 22.0 | 21.9 | 21.8 | 21.2 | 21.2 | 21.1 | 22.0 | 21.7 | 21.9 |
| | 64QAM | 1 | 0 | 22.3 | 22.6 | 22.0 | 22.0 | **22.0** | 21.8 | 21.7 | 21.3 | 21.2 | 21.8 | 22.0 | **22.1** |
| | | 1 | 2 | 22.5 | **22.6** | 22.0 | 22.0 | 22.0 | 21.8 | **21.7** | 21.3 | 21.3 | 22.0 | 22.0 | 22.1 |
| | | 1 | 5 | 22.3 | 22.5 | 22.0 | 22.0 | 22.0 | 21.9 | 21.6 | 21.2 | 21.2 | 22.0 | 21.9 | 22.0 |
| | | 3 | 0 | 22.2 | 22.4 | 22.0 | **22.0** | 21.9 | 21.7 | 21.3 | 21.2 | 21.0 | 21.7 | 21.8 | 22.1 |
| | | 3 | 1 | 22.3 | 22.3 | 22.0 | 22.0 | 21.9 | 21.7 | 21.2 | 21.3 | 21.0 | 21.7 | 21.9 | 22.1 |
| | | 3 | 2 | 22.2 | 22.3 | 22.0 | 22.0 | 21.8 | 21.7 | 21.2 | 21.2 | 20.9 | 21.8 | 21.9 | 22.0 |
| | | 6 | 0 | 21.2 | 21.2 | 21.1 | 20.9 | 20.9 | 20.7 | 20.1 | 20.3 | 20.0 | 20.5 | 20.5 | 20.4 |
| | 256QAM | 1 | 0 | 19.2 | 19.1 | 19.1 | 18.9 | **19.0** | 18.8 | 18.3 | 18.5 | 18.3 | 18.6 | 18.5 | 18.5 |
| | | 1 | 2 | 19.3 | 19.2 | 19.1 | 18.9 | **19.0** | 18.9 | 18.6 | **18.6** | 18.2 | 18.6 | 18.5 | 18.4 |
| | | 1 | 5 | 19.2 | 19.1 | 19.1 | 18.9 | **19.0** | 18.8 | 18.4 | 18.5 | 18.3 | **18.7** | 18.4 | 18.5 |
| | | 3 | 0 | **19.3** | 19.2 | 19.0 | 18.9 | 18.8 | 18.8 | 18.3 | 18.2 | 18.3 | 18.4 | 18.5 | 18.3 |
| | | 3 | 1 | 19.2 | 19.2 | 19.0 | 18.8 | 18.8 | 18.7 | 18.2 | 18.1 | 18.3 | 18.4 | 18.5 | 18.3 |
| | | 3 | 2 | 19.2 | 19.1 | 19.0 | 18.8 | 18.8 | 18.7 | 18.1 | 18.1 | 18.3 | 18.4 | 18.5 | 18.3 |
| | | 6 | 0 | 19.1 | 19.2 | 18.9 | 19.0 | 18.9 | 18.6 | 18.2 | 18.2 | 18.1 | 18.4 | 18.6 | 18.4 |

## OUTPUT POWER FOR LTE BAND 25 (3.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 26055 | 26365 | 26675 | 26055 | 26365 | 26675 | 26055 | 26365 | 26675 | 26055 | 26365 | 26675 |
| | | | | 1851.5 | 1882.5 | 1913.5 | 1851.5 | 1882.5 | 1913.5 | 1851.5 | 1882.5 | 1913.5 | 1851.5 | 1882.5 | 1913.5 |
| 3.0 | QPSK | 1 | 0 | 24.2 | 24.2 | 24.0 | **24.0** | 24.0 | 23.8 | 23.0 | **23.2** | 23.1 | 23.1 | **23.4** | 23.3 |
| | | 1 | 7 | 24.2 | 23.9 | 24.0 | 23.8 | 23.8 | 23.7 | 23.0 | 23.1 | 23.0 | 23.0 | 23.3 | 23.0 |
| | | 1 | 14 | 24.2 | **24.3** | 23.9 | **24.0** | 23.9 | 23.8 | 22.9 | 23.2 | 23.0 | 23.2 | 23.3 | 23.2 |
| | | 8 | 0 | 23.2 | 23.2 | 23.0 | 23.0 | 22.9 | 22.7 | 22.0 | 22.1 | 22.0 | 22.9 | 22.7 | 22.9 |
| | | 8 | 4 | 23.1 | 23.2 | 23.0 | 22.9 | 22.9 | 22.7 | 22.0 | 22.1 | 22.0 | 23.0 | 22.7 | 22.9 |
| | | 8 | 7 | 23.2 | 23.2 | 23.0 | 22.9 | 22.9 | 22.7 | 22.0 | 22.1 | 22.0 | 23.0 | 22.7 | 22.8 |
| | | 15 | 0 | 23.1 | 23.2 | 23.0 | 22.9 | 22.9 | 22.7 | 22.0 | 22.1 | 22.0 | 23.0 | 22.7 | 22.9 |
| | 16QAM | 1 | 0 | 23.5 | 23.3 | 23.4 | **23.0** | **23.0** | **23.0** | 22.5 | 22.5 | 22.3 | 22.3 | **22.4** | 22.4 |
| | | 1 | 7 | **23.5** | 23.3 | 23.4 | 23.0 | **23.0** | 23.0 | 22.5 | 22.5 | 22.3 | 22.3 | 22.4 | **22.4** |
| | | 1 | 14 | 23.5 | 23.2 | 23.4 | 23.0 | **23.0** | 22.9 | **22.5** | 22.4 | 22.1 | 22.2 | 22.4 | 22.3 |
| | | 8 | 0 | 22.2 | 22.2 | 22.1 | 22.0 | 22.0 | 21.8 | 21.1 | 21.3 | 21.1 | 21.8 | 21.7 | 21.9 |
| | | 8 | 4 | 22.2 | 22.2 | 22.1 | 22.0 | 22.0 | 21.8 | 21.2 | 21.3 | 21.1 | 21.9 | 21.7 | 21.9 |
| | | 8 | 7 | 22.2 | 22.2 | 22.1 | 22.0 | 22.0 | 21.8 | 21.2 | 21.3 | 21.1 | 21.9 | 21.7 | 21.8 |
| | | 15 | 0 | 22.2 | 22.1 | 22.1 | 21.9 | 22.0 | 21.8 | 21.1 | 21.2 | 21.1 | 21.9 | 21.7 | 21.8 |
| | 64QAM | 1 | 0 | 22.2 | 22.4 | 22.2 | 22.0 | **22.0** | 22.0 | 21.4 | 21.4 | **21.6** | 21.8 | 21.9 | **22.2** |
| | | 1 | 7 | 22.2 | 22.4 | 22.2 | 21.9 | 22.0 | 21.9 | 21.4 | 21.4 | 21.5 | 22.0 | 22.0 | 22.1 |
| | | 1 | 14 | 22.1 | **22.4** | 22.2 | 21.9 | **22.0** | **22.0** | 21.4 | 21.3 | 21.5 | 22.1 | 22.0 | 22.0 |
| | | 8 | 0 | 21.2 | 21.2 | 21.0 | 21.0 | 20.9 | 20.7 | 20.2 | 20.2 | 20.2 | 20.4 | 20.5 | 20.4 |
| | | 8 | 4 | 21.2 | 21.2 | 21.1 | 21.0 | 20.9 | 20.6 | 20.2 | 20.2 | 20.1 | 20.4 | 20.6 | 20.4 |
| | | 8 | 7 | 21.2 | 21.2 | 21.1 | 21.0 | 20.9 | 20.7 | 20.2 | 20.2 | 20.1 | 20.4 | 20.5 | 20.4 |
| | | 15 | 0 | 21.2 | 21.2 | 21.1 | 20.9 | 20.8 | 20.8 | 20.2 | 20.2 | 20.1 | 20.4 | 20.4 | 20.3 |
| | 256QAM | 1 | 0 | 19.3 | **19.5** | 19.1 | 18.9 | 19.0 | 18.9 | 18.3 | **18.4** | 18.3 | 18.5 | 18.8 | 18.5 |
| | | 1 | 7 | 19.2 | 19.4 | 19.1 | 18.8 | 18.9 | 18.8 | 18.3 | 18.3 | 18.1 | 18.5 | 18.6 | 18.4 |
| | | 1 | 14 | 19.2 | **19.5** | 19.1 | 18.9 | 19.0 | 18.8 | 18.3 | 18.3 | 18.2 | 18.6 | **18.8** | 18.5 |
| | | 8 | 0 | 19.2 | 19.3 | 19.0 | **19.0** | 19.0 | 18.7 | 18.3 | 18.3 | 18.3 | 18.5 | 18.6 | 18.5 |
| | | 8 | 4 | 19.2 | 19.3 | 19.0 | 19.0 | 18.9 | 18.7 | 18.2 | 18.2 | 18.2 | 18.5 | 18.6 | 18.4 |
| | | 8 | 7 | 19.2 | 19.3 | 19.0 | 19.0 | 19.0 | 18.7 | 18.3 | 18.2 | 18.3 | 18.5 | 18.6 | 18.4 |
| | | 15 | 0 | 19.2 | 19.3 | 19.1 | 19.0 | 18.9 | 18.8 | 18.3 | 18.3 | 18.2 | 18.4 | 18.5 | 18.4 |




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## OUTPUT POWER FOR LTE BAND 25 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 26065 | 26365 | 26665 | 26065 | 26365 | 26665 | 26065 | 26365 | 26665 | 26065 | 26365 | 26665 |
| | | | | 1852.5 | 1882.5 | 1912.5 | 1852.5 | 1882.5 | 1912.5 | 1852.5 | 1882.5 | 1912.5 | 1852.5 | 1882.5 | 1912.5 |
| 5.0 | QPSK | 1 | 0 | 24.1 | 24.2 | 24.0 | 23.9 | 24.0 | 23.7 | 23.0 | **23.1** | 22.9 | 23.1 | 23.2 | 23.2 |
| | | 1 | 12 | 24.1 | 24.1 | 24.0 | 23.9 | 23.9 | 23.5 | 23.0 | 22.9 | 22.9 | 23.1 | **23.3** | 23.2 |
| | | 1 | 24 | 24.1 | **24.2** | 24.0 | 23.9 | **24.0** | 23.7 | 23.0 | 23.0 | 23.0 | 23.0 | 23.2 | 23.1 |
| | | 12 | 0 | 23.1 | 23.2 | 23.0 | 22.9 | 22.9 | 22.7 | 22.0 | 22.0 | 22.0 | 22.7 | 22.7 | 23.0 |
| | | 12 | 6 | 23.1 | 23.2 | 23.0 | 22.9 | 22.9 | 22.7 | 22.0 | 22.1 | 22.0 | 22.8 | 22.8 | 22.9 |
| | | 12 | 11 | 23.1 | 23.2 | 23.0 | 22.9 | 22.9 | 22.7 | 22.0 | 22.1 | 22.0 | 22.9 | 22.8 | 22.9 |
| | | 25 | 0 | 23.1 | 23.2 | 23.0 | 22.9 | 22.9 | 22.7 | 22.1 | 22.1 | 22.0 | 22.8 | 22.8 | 22.9 |
| | 16QAM | 1 | 0 | 23.5 | **23.7** | 23.3 | **23.0** | **23.0** | **23.0** | 22.5 | **22.7** | 22.4 | 22.5 | 22.5 | 22.3 |
| | | 1 | 12 | 23.4 | 23.5 | 23.3 | **23.0** | **23.0** | 22.8 | 22.5 | 22.7 | 22.4 | 22.6 | **22.7** | 22.4 |
| | | 1 | 24 | 23.4 | 23.6 | 23.3 | **23.0** | **23.0** | 23.0 | 22.5 | 22.7 | 22.3 | 22.5 | 22.6 | 22.3 |
| | | 12 | 0 | 22.2 | 22.2 | 22.0 | 21.9 | 21.9 | 21.8 | 21.2 | 21.3 | 21.0 | 21.7 | 21.7 | 22.0 |
| | | 12 | 6 | 22.2 | 22.2 | 22.0 | 21.9 | 21.9 | 21.8 | 21.2 | 21.3 | 21.0 | 21.8 | 21.7 | 21.9 |
| | | 12 | 11 | 22.2 | 22.2 | 22.0 | 21.9 | 21.9 | 21.7 | 21.2 | 21.2 | 21.0 | 21.9 | 21.7 | 21.8 |
| | | 25 | 0 | 22.2 | 22.2 | 22.0 | 21.9 | 21.9 | 21.7 | 21.1 | 21.2 | 21.0 | 21.8 | 21.8 | 21.9 |
| | 64QAM | 1 | 0 | 22.3 | **22.5** | 22.2 | 22.0 | 22.0 | 21.9 | 21.3 | **21.6** | 21.4 | 21.7 | 21.9 | **22.5** |
| | | 1 | 12 | 22.2 | 22.4 | 22.2 | 21.9 | 22.0 | 21.9 | 21.2 | 21.5 | 21.3 | 22.0 | 22.0 | 22.4 |
| | | 1 | 24 | 22.3 | 22.4 | 22.2 | **22.0** | 22.0 | 22.0 | 21.3 | 21.5 | 21.3 | 22.0 | 22.1 | 22.3 |
| | | 12 | 0 | 21.1 | 21.2 | 20.9 | 20.9 | 20.9 | 20.7 | 20.2 | 20.2 | 20.2 | 20.3 | 20.4 | 20.4 |
| | | 12 | 6 | 21.1 | 21.2 | 20.9 | 20.9 | 20.9 | 20.7 | 20.2 | 20.2 | 20.1 | 20.3 | 20.4 | 20.4 |
| | | 12 | 11 | 21.1 | 21.2 | 20.9 | 20.9 | 20.9 | 20.7 | 20.2 | 20.2 | 20.1 | 20.3 | 20.4 | 20.4 |
| | | 25 | 0 | 21.2 | 21.2 | 21.0 | 20.9 | 20.9 | 20.7 | 20.2 | 20.2 | 20.1 | 20.3 | 20.5 | 20.4 |
| | 256QAM | 1 | 0 | 19.2 | **19.5** | 19.1 | 19.0 | 19.0 | 18.7 | 18.4 | **18.6** | 18.3 | 18.5 | 18.4 | 18.6 |
| | | 1 | 12 | 19.0 | 19.5 | 19.1 | 18.9 | 19.0 | 18.6 | 18.3 | 18.5 | 18.2 | 18.3 | 18.4 | 18.6 |
| | | 1 | 24 | 19.2 | 19.5 | 19.1 | **19.0** | 19.0 | 18.8 | 18.4 | 18.5 | 18.3 | 18.5 | 18.4 | **18.6** |
| | | 12 | 0 | 19.2 | 19.3 | 18.9 | 18.9 | 19.0 | 18.7 | 18.2 | 18.3 | 18.2 | 18.3 | 18.5 | 18.4 |
| | | 12 | 6 | 19.2 | 19.3 | 19.0 | 18.9 | 19.0 | 18.7 | 18.2 | 18.3 | 18.2 | 18.3 | 18.5 | 18.4 |
| | | 12 | 11 | 19.1 | 19.2 | 19.0 | 18.9 | 18.9 | 18.7 | 18.2 | 18.3 | 18.2 | 18.3 | 18.5 | 18.4 |
| | | 25 | 0 | 19.2 | 19.2 | 19.1 | 18.9 | 18.9 | 18.7 | 18.3 | 18.2 | 18.2 | 18.4 | 18.5 | 18.3 |

## OUTPUT POWER FOR LTE BAND 25 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 26090 | 26365 | 26640 | 26090 | 26365 | 26640 | 26090 | 26365 | 26640 | 26090 | 26365 | 26640 |
| | | | | 1855.0 | 1882.5 | 1910.0 | 1855.0 | 1882.5 | 1910.0 | 1855.0 | 1882.5 | 1910.0 | 1855.0 | 1882.5 | 1910.0 |
| 10.0 | QPSK | 1 | 0 | 24.2 | 24.3 | 24.1 | **24.0** | 24.0 | 23.8 | 23.0 | 23.1 | 23.1 | 23.2 | **23.3** | 23.1 |
| | | 1 | 24 | 24.1 | **24.4** | 24.0 | **24.0** | 23.8 | 23.7 | 22.9 | **23.1** | 22.9 | 23.1 | 23.2 | 23.1 |
| | | 1 | 49 | 24.2 | 24.2 | 24.0 | 24.0 | 24.0 | 23.7 | 23.0 | 23.0 | 23.0 | 23.1 | 23.2 | 23.1 |
| | | 25 | 0 | 23.2 | 23.2 | 23.1 | 22.9 | 22.9 | 22.8 | 22.0 | 22.1 | 22.0 | 22.7 | 22.7 | 23.2 |
| | | 25 | 12 | 23.2 | 23.2 | 23.1 | 22.9 | 22.9 | 22.8 | 22.0 | 22.1 | 22.0 | 22.8 | 22.8 | 23.0 |
| | | 25 | 24 | 23.2 | 23.2 | 23.1 | 22.9 | 22.9 | 22.7 | 22.0 | 22.1 | 22.0 | 22.8 | 22.9 | 22.9 |
| | | 50 | 0 | 23.2 | 23.2 | 23.1 | 22.9 | 22.9 | 22.7 | 22.1 | 22.1 | 22.1 | 22.8 | 22.8 | 23.1 |
| | 16QAM | 1 | 0 | 23.4 | 23.5 | 23.5 | 23.0 | 23.0 | 22.9 | 22.3 | 22.3 | **22.6** | 22.5 | 22.4 | 22.3 |
| | | 1 | 24 | 23.5 | **23.6** | 23.4 | 23.0 | 23.0 | 23.0 | 22.4 | 22.4 | 22.5 | **22.6** | 22.4 | 22.4 |
| | | 1 | 49 | 23.3 | 23.5 | 23.4 | **23.0** | 23.0 | 22.8 | 22.3 | 22.3 | 22.4 | 22.4 | 22.3 | 22.2 |
| | | 25 | 0 | 22.1 | 22.2 | 22.1 | 21.9 | 21.9 | 21.7 | 21.1 | 21.2 | 21.1 | 21.7 | 21.7 | 22.3 |
| | | 25 | 12 | 22.1 | 22.2 | 22.0 | 21.9 | 21.9 | 21.7 | 21.1 | 21.2 | 21.1 | 21.7 | 21.7 | 22.1 |
| | | 25 | 24 | 22.1 | 22.2 | 22.0 | 21.9 | 21.9 | 21.7 | 21.1 | 21.2 | 21.1 | 21.8 | 21.8 | 21.9 |
| | | 50 | 0 | 22.2 | 22.2 | 22.0 | 21.9 | 21.9 | 21.7 | 21.1 | 21.2 | 21.1 | 21.8 | 21.7 | 22.1 |
| | 64QAM | 1 | 0 | 22.2 | 22.4 | 22.2 | **21.9** | 21.9 | 21.8 | 21.4 | 21.4 | 21.3 | 21.7 | 21.8 | **22.5** |
| | | 1 | 24 | 22.2 | **22.4** | 22.2 | 21.9 | 21.9 | 21.9 | **21.5** | 21.4 | 21.2 | 21.9 | 21.9 | 22.3 |
| | | 1 | 49 | 22.2 | 22.3 | 22.1 | 21.9 | 21.9 | 21.9 | 21.4 | 21.4 | 21.1 | 22.0 | 22.1 | 22.0 |
| | | 25 | 0 | 21.2 | 21.2 | 21.0 | 20.9 | 20.9 | 20.7 | 20.3 | 20.3 | 20.2 | 20.4 | 20.5 | 20.4 |
| | | 25 | 12 | 21.2 | 21.2 | 21.0 | 20.9 | 20.9 | 20.7 | 20.2 | 20.3 | 20.1 | 20.4 | 20.5 | 20.4 |
| | | 25 | 24 | 21.2 | 21.2 | 21.0 | 20.9 | 20.9 | 20.7 | 20.3 | 20.2 | 20.1 | 20.4 | 20.5 | 20.4 |
| | | 50 | 0 | 21.2 | 21.2 | 21.0 | 20.9 | 20.9 | 20.8 | 20.2 | 20.3 | 20.1 | 20.4 | 20.5 | 20.4 |
| | 256QAM | 1 | 0 | 19.1 | **19.4** | 19.2 | 19.0 | 19.0 | 18.8 | 18.5 | 18.4 | 18.3 | 18.7 | 18.7 | 18.4 |
| | | 1 | 24 | 19.1 | 19.4 | 19.2 | 19.0 | 19.0 | 18.7 | 18.5 | **18.5** | 18.2 | 18.7 | **18.8** | 18.5 |
| | | 1 | 49 | 19.1 | 19.3 | 19.1 | 19.0 | 19.0 | 18.8 | 18.4 | 18.4 | 18.2 | 18.7 | 18.8 | 18.4 |
| | | 25 | 0 | 19.2 | 19.4 | 19.1 | **19.0** | **19.0** | 18.7 | 18.3 | 18.3 | 18.2 | 18.4 | 18.5 | 18.4 |
| | | 25 | 12 | 19.2 | 19.3 | 19.1 | 19.0 | 19.0 | 18.8 | 18.3 | 18.3 | 18.2 | 18.4 | 18.5 | 18.4 |
| | | 25 | 24 | 19.2 | 19.3 | 19.1 | 19.0 | 19.0 | 18.8 | 18.3 | 18.3 | 18.1 | 18.4 | 18.5 | 18.4 |
| | | 50 | 0 | 19.2 | 19.3 | 19.0 | 19.0 | 18.9 | 18.7 | 18.3 | 18.3 | 18.1 | 18.4 | 18.5 | 18.4 |



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## OUTPUT POWER FOR LTE BAND 25 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 26115 | 26365 | 26615 | 26115 | 26365 | 26615 | 26115 | 26365 | 26615 | 26115 | 26365 | 26615 |
| | | | | 1857.5 | 1882.5 | 1907.5 | 1857.5 | 1882.5 | 1907.5 | 1857.5 | 1882.5 | 1907.5 | 1857.5 | 1882.5 | 1907.5 |
| 15.0 | QPSK | 1 | 0 | **24.3** | 24.3 | 24.2 | **24.0** | **24.0** | 23.8 | 23.1 | 23.2 | **23.2** | 23.2 | **23.3** | 23.2 |
| | | 1 | 37 | 24.2 | 24.3 | 24.2 | 23.9 | 23.9 | 23.6 | 23.0 | 23.1 | 23.1 | 23.0 | 23.2 | 23.0 |
| | | 1 | 74 | 24.2 | 24.2 | 24.1 | 23.9 | 24.0 | 23.7 | 23.0 | 23.1 | 22.9 | 23.1 | 23.2 | 23.0 |
| | | 36 | 0 | 23.3 | 23.3 | 23.1 | 23.0 | 23.0 | 22.8 | 22.1 | 22.1 | 22.0 | 22.9 | 22.9 | 22.7 |
| | | 36 | 16 | 23.2 | 23.2 | 23.1 | 22.9 | 22.9 | 22.7 | 22.1 | 22.1 | 22.0 | 22.9 | 23.0 | 22.6 |
| | | 36 | 35 | 23.2 | 23.2 | 23.1 | 22.9 | 22.9 | 22.7 | 22.1 | 22.1 | 22.0 | 22.8 | 23.1 | 22.4 |
| | | 75 | 0 | 23.2 | 23.2 | 23.1 | 22.9 | 22.9 | 22.7 | 22.1 | 22.1 | 22.1 | 22.8 | 23.0 | 22.5 |
| | 16QAM | 1 | 0 | **23.6** | 23.5 | 23.4 | **23.0** | **23.0** | **23.0** | 22.4 | **22.5** | 22.5 | 22.3 | 22.7 | 22.5 |
| | | 1 | 37 | 23.6 | 23.5 | 23.4 | **23.0** | **23.0** | 22.8 | 22.4 | 22.5 | 22.4 | 22.3 | **22.7** | 22.5 |
| | | 1 | 74 | 23.5 | 23.4 | 23.3 | **23.0** | **23.0** | 22.9 | 22.4 | 22.4 | 22.3 | 22.2 | 22.7 | 22.4 |
| | | 36 | 0 | 22.3 | 22.3 | 22.1 | 22.0 | 21.9 | 21.7 | 21.1 | 21.2 | 21.1 | 21.9 | 21.9 | 21.6 |
| | | 36 | 16 | 22.2 | 22.2 | 22.0 | 21.9 | 21.9 | 21.7 | 21.1 | 21.2 | 21.1 | 21.8 | 22.0 | 21.6 |
| | | 36 | 35 | 22.2 | 22.2 | 22.0 | 21.9 | 21.9 | 21.7 | 21.1 | 21.2 | 21.1 | 21.8 | 22.0 | 21.4 |
| | | 75 | 0 | 22.2 | 22.2 | 22.1 | 21.9 | 21.9 | 21.7 | 21.1 | 21.1 | 21.1 | 21.8 | 22.0 | 21.5 |
| | 64QAM | 1 | 0 | 22.4 | **22.4** | 22.2 | **22.0** | **22.0** | 21.9 | 21.5 | **21.6** | 21.4 | 21.8 | 22.0 | 21.9 |
| | | 1 | 37 | 22.3 | 22.1 | 22.2 | **22.0** | 21.8 | 21.7 | 21.3 | 21.5 | 21.2 | 21.9 | 22.3 | 22.0 |
| | | 1 | 74 | 22.3 | 22.4 | 22.2 | **22.0** | 21.9 | 21.8 | 21.4 | 21.4 | 21.1 | 21.8 | **22.3** | 21.6 |
| | | 36 | 0 | 21.3 | 21.2 | 21.1 | 21.0 | 21.0 | 20.8 | 20.2 | 20.2 | 20.2 | 20.4 | 20.5 | 20.3 |
| | | 36 | 16 | 21.3 | 21.2 | 21.0 | 21.0 | 20.9 | 20.8 | 20.2 | 20.2 | 20.2 | 20.4 | 20.5 | 20.2 |
| | | 36 | 35 | 21.3 | 21.2 | 21.0 | 20.9 | 20.9 | 20.8 | 20.1 | 20.2 | 20.1 | 20.4 | 20.5 | 20.2 |
| | | 75 | 0 | 21.2 | 21.2 | 21.0 | 21.0 | 20.9 | 20.7 | 20.2 | 20.2 | 20.1 | 20.3 | 20.4 | 20.3 |
| | 256QAM | 1 | 0 | 19.3 | **19.3** | **19.3** | 19.0 | 19.0 | 18.8 | 18.4 | 18.5 | 18.3 | 18.5 | **18.6** | 18.5 |
| | | 1 | 37 | 19.1 | 19.3 | 19.1 | 19.0 | **19.0** | 18.7 | 18.4 | 18.4 | 18.2 | 18.5 | 18.5 | 18.5 |
| | | 1 | 74 | 19.2 | 19.2 | 19.3 | 19.0 | 19.0 | 18.7 | 18.3 | **18.5** | 18.1 | 18.5 | **18.6** | 18.4 |
| | | 36 | 0 | 19.2 | 19.2 | 19.0 | 19.0 | 18.9 | 18.7 | 18.2 | 18.3 | 18.2 | 18.4 | 18.5 | 18.3 |
| | | 36 | 16 | 19.2 | 19.2 | 19.0 | 18.9 | 18.9 | 18.7 | 18.3 | 18.2 | 18.1 | 18.3 | 18.5 | 18.3 |
| | | 36 | 35 | 19.2 | 19.2 | 19.0 | 18.9 | 18.9 | 18.7 | 18.2 | 18.2 | 18.1 | 18.3 | 18.5 | 18.3 |
| | | 75 | 0 | 19.2 | 19.2 | 19.0 | 19.0 | 18.9 | 18.7 | 18.3 | 18.2 | 18.1 | 18.3 | 18.5 | 18.3 |

## OUTPUT POWER FOR LTE BAND 25 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 26140 | 26365 | 26590 | 26140 | 26365 | 26590 | 26140 | 26365 | 26590 | 26140 | 26365 | 26590 |
| | | | | 1860.0 | 1882.5 | 1905.0 | 1860.0 | 1882.5 | 1905.0 | 1860.0 | 1882.5 | 1905.0 | 1860.0 | 1882.5 | 1905.0 |
| 20.0 | QPSK | 1 | 0 | 24.3 | 24.3 | 24.2 | **24.0** | 24.0 | 23.9 | 23.1 | 23.2 | 23.2 | 23.2 | 23.3 | 23.3 |
| | | 1 | 49 | 24.1 | **24.5** | 23.7 | 24.0 | 23.6 | 23.7 | 23.1 | **23.3** | 23.0 | 22.9 | **23.4** | 23.4 |
| | | 1 | 99 | 24.2 | 24.2 | 24.1 | 23.9 | 23.9 | 23.7 | 23.0 | 23.1 | 23.0 | 23.1 | 23.2 | 23.1 |
| | | 50 | 0 | 23.2 | 23.3 | 23.1 | 23.0 | 22.9 | 22.8 | 22.1 | 22.1 | 22.1 | 22.9 | 22.9 | 22.7 |
| | | 50 | 24 | 23.2 | 23.2 | 23.1 | 23.0 | 22.9 | 22.7 | 22.1 | 22.1 | 22.1 | 22.8 | 23.0 | 22.7 |
| | | 50 | 49 | 23.2 | 23.2 | 23.1 | 22.9 | 22.9 | 22.7 | 22.1 | 22.1 | 22.1 | 22.7 | 23.1 | 22.5 |
| | | 100 | 0 | 23.2 | 23.2 | 23.1 | 23.0 | 22.9 | 22.8 | 22.1 | 22.2 | 22.1 | 22.8 | 23.0 | 22.6 |
| | 16QAM | 1 | 0 | 23.6 | **23.8** | 23.6 | **23.0** | **23.0** | **23.0** | 22.2 | 22.5 | **22.6** | 22.5 | **22.6** | 22.6 |
| | | 1 | 49 | 23.7 | 23.6 | 23.6 | **23.0** | **23.0** | **23.0** | 22.4 | 22.4 | 22.5 | 22.3 | 22.5 | 22.4 |
| | | 1 | 99 | 23.5 | 23.7 | 23.5 | **23.0** | **23.0** | 22.9 | 22.1 | 22.4 | 22.3 | 22.4 | 22.6 | 22.4 |
| | | 50 | 0 | 22.2 | 22.2 | 22.1 | 21.9 | 22.0 | 21.8 | 21.2 | 21.2 | 21.2 | 21.9 | 21.9 | 21.7 |
| | | 50 | 24 | 22.2 | 22.2 | 22.1 | 21.9 | 21.9 | 21.7 | 21.1 | 21.1 | 21.1 | 21.8 | 22.0 | 21.6 |
| | | 50 | 49 | 22.2 | 22.2 | 22.1 | 21.9 | 21.9 | 21.7 | 21.1 | 21.1 | 21.1 | 21.7 | 22.0 | 21.5 |
| | | 100 | 0 | 22.2 | 22.2 | 22.1 | 21.9 | 21.9 | 21.7 | 21.1 | 21.2 | 21.1 | 21.8 | 22.0 | 21.6 |
| | 64QAM | 1 | 0 | 22.5 | 22.5 | 22.4 | **22.0** | **22.0** | **22.0** | 21.6 | 21.4 | 21.5 | 22.2 | 22.0 | 21.8 |
| | | 1 | 49 | 22.6 | **22.6** | 22.4 | **22.0** | **22.0** | 21.8 | **21.6** | 21.3 | 21.4 | 22.0 | 22.3 | 22.0 |
| | | 1 | 99 | 22.4 | 22.5 | 22.3 | **22.0** | **22.0** | 21.9 | 21.5 | 21.2 | 21.2 | 22.1 | **22.4** | 21.8 |
| | | 50 | 0 | 21.2 | 21.3 | 21.1 | 20.9 | 20.9 | 20.8 | 20.3 | 20.3 | 20.3 | 20.4 | 20.4 | 20.4 |
| | | 50 | 24 | 21.2 | 21.2 | 21.0 | 20.9 | 20.9 | 20.7 | 20.3 | 20.3 | 20.2 | 20.4 | 20.4 | 20.3 |
| | | 50 | 49 | 21.2 | 21.2 | 21.0 | 21.0 | 20.9 | 20.7 | 20.3 | 20.3 | 20.1 | 20.4 | 20.4 | 20.3 |
| | | 100 | 0 | 21.2 | 21.3 | 21.0 | 20.9 | 20.9 | 20.7 | 20.3 | 20.2 | 20.2 | 20.4 | 20.4 | 20.3 |
| | 256QAM | 1 | 0 | 19.5 | **19.6** | 19.4 | 19.0 | 19.0 | 19.0 | 18.5 | 18.5 | 18.5 | 18.6 | 18.7 | 18.6 |
| | | 1 | 49 | 19.5 | 19.4 | 19.5 | **19.0** | 19.0 | 18.9 | 18.3 | **18.6** | 18.5 | 18.6 | **18.7** | 18.6 |
| | | 1 | 99 | 19.4 | 19.5 | 19.3 | 19.0 | 19.0 | 19.0 | 18.5 | 18.5 | 18.3 | 18.5 | 18.6 | 18.5 |
| | | 50 | 0 | 19.3 | 19.3 | 19.1 | 19.0 | 19.0 | 18.8 | 18.3 | 18.3 | 18.2 | 18.4 | 18.5 | 18.4 |
| | | 50 | 24 | 19.3 | 19.3 | 19.1 | 19.0 | 18.9 | 18.8 | 18.3 | 18.3 | 18.2 | 18.4 | 18.5 | 18.3 |
| | | 50 | 49 | 19.3 | 19.2 | 19.1 | **19.0** | 18.9 | 18.7 | 18.3 | 18.2 | 18.2 | 18.4 | 18.5 | 18.3 |
| | | 100 | 0 | 19.3 | 19.3 | 19.1 | 19.0 | 18.9 | 18.8 | 18.3 | 18.3 | 18.3 | 18.4 | 18.5 | 18.3 |



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## 5G NR n25

| Test Engineer ID: | 19210AL and 28498AC | Test Date: | 2024-02-14 to 2024-04-19 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n25 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 370500 | 376500 | 382500 | 370500 | 376500 | 382500 | 370500 | 376500 | 382500 | 370500 | 376500 | 382500 |
| | | | | 1852.5 | 1882.5 | 1912.5 | 1852.5 | 1882.5 | 1912.5 | 1852.5 | 1882.5 | 1912.5 | 1852.5 | 1882.5 | 1912.5 |
| 5.0 | BPSK | 1 | 0 | 23.9 | 23.8 | 23.5 | 23.4 | 23.4 | 23.2 | 23.6 | 23.5 | 23.5 | 22.6 | 22.8 | 23.0 |
| | | 1 | 1 | 24.2 | **24.3** | 24.1 | 23.9 | 23.9 | 23.7 | 24.1 | 23.9 | 24.0 | 23.0 | 23.3 | 23.5 |
| | | 1 | 23 | 24.2 | 24.2 | 24.1 | **23.9** | 23.9 | 23.7 | 23.9 | 24.0 | **24.2** | 23.5 | 23.4 | 23.6 |
| | | 1 | 24 | 23.8 | 23.8 | 23.5 | 23.3 | 23.4 | 23.2 | 23.3 | 23.5 | 23.8 | 22.7 | 22.9 | 22.9 |
| | | 12 | 6 | 24.2 | 24.2 | 24.0 | 23.9 | 23.8 | 23.7 | 24.0 | 23.9 | 24.1 | 23.0 | 23.3 | **23.6** |
| | | 25 | 0 | 23.7 | 23.7 | 23.6 | 23.5 | 23.3 | 23.2 | 23.4 | 23.4 | 23.6 | 22.5 | 22.8 | 23.1 |
| | QPSK | 1 | 0 | 23.2 | 23.3 | 23.1 | 22.9 | 22.9 | 22.8 | 23.2 | 23.1 | 23.1 | 22.4 | 22.2 | 22.5 |
| | | 1 | 1 | **24.3** | 24.2 | 24.1 | 23.9 | 23.9 | 23.7 | 24.1 | 23.9 | 24.0 | 23.1 | 23.4 | 23.5 |
| | | 1 | 23 | 24.3 | 24.2 | 24.1 | **24.0** | 24.0 | 23.7 | 23.9 | 23.9 | **24.2** | 23.1 | 23.4 | 23.5 |
| | | 1 | 24 | 23.3 | 23.2 | 23.0 | 22.9 | 22.8 | 22.7 | 23.0 | 23.0 | 23.3 | 22.1 | 22.5 | 22.5 |
| | | 12 | 6 | 24.2 | 24.1 | 24.1 | 23.9 | 23.8 | 23.7 | 23.9 | 23.9 | 24.2 | 23.0 | 23.3 | **23.6** |
| | | 25 | 0 | 23.2 | 23.1 | 23.0 | 22.9 | 22.8 | 22.7 | 22.9 | 23.0 | 23.2 | 22.0 | 22.3 | 22.6 |
| | 16QAM | 1 | 0 | 22.1 | 22.2 | 22.2 | 22.0 | 21.8 | 22.1 | 22.4 | 22.2 | 22.1 | 21.0 | 21.2 | 21.6 |
| | | 1 | 1 | 23.2 | 23.1 | 23.0 | **23.0** | 22.9 | 22.6 | 23.2 | 23.1 | 23.0 | 22.0 | 22.2 | 22.6 |
| | | 1 | 23 | **23.3** | 23.1 | 23.1 | **23.0** | 22.6 | 22.7 | 23.1 | 23.1 | 23.2 | 22.0 | 22.3 | 22.6 |
| | | 1 | 24 | 22.1 | 22.4 | 22.2 | 22.2 | 21.8 | 21.8 | 22.1 | 22.2 | 22.4 | 21.0 | 21.3 | 21.6 |
| | | 12 | 6 | 23.2 | 23.2 | 23.0 | 22.9 | 22.8 | 22.7 | 23.1 | 23.0 | **23.3** | 22.0 | 22.2 | **22.6** |
| | | 25 | 0 | 22.1 | 22.1 | 22.0 | 21.9 | 21.8 | 21.6 | 22.0 | 22.0 | 22.1 | 21.0 | 21.3 | 21.6 |
| | 64QAM | 1 | 0 | 21.4 | 21.8 | 21.7 | 21.4 | 21.4 | 21.5 | 21.7 | 21.6 | 21.5 | 20.7 | 20.8 | 21.1 |
| | | 1 | 1 | 21.7 | **22.0** | 21.4 | 21.3 | **21.7** | 21.1 | 21.7 | 21.6 | 21.6 | 20.6 | 20.8 | 21.1 |
| | | 1 | 23 | **22.0** | 21.5 | 21.2 | 21.4 | 21.6 | 21.4 | 21.5 | 21.6 | 21.8 | 20.6 | 20.9 | 21.1 |
| | | 1 | 24 | 21.5 | 21.8 | 21.2 | 21.5 | 21.7 | 21.4 | 21.5 | 21.5 | **21.8** | 20.6 | 20.9 | **21.2** |
| | | 12 | 6 | 21.6 | 21.6 | 21.5 | 21.5 | 21.3 | 21.2 | 21.6 | 21.5 | 21.8 | 20.5 | 20.7 | 21.1 |
| | | 25 | 0 | 21.7 | 21.7 | 21.4 | 21.4 | 21.2 | 21.2 | 21.6 | 21.5 | 21.7 | 20.5 | 20.8 | 21.1 |
| | 256QAM | 1 | 0 | 19.8 | 19.1 | 19.5 | 19.4 | 19.2 | 19.0 | 19.5 | 19.4 | 19.3 | 18.5 | 18.8 | 19.0 |
| | | 1 | 1 | 19.7 | 19.9 | 19.7 | 19.3 | 19.3 | 19.4 | 19.6 | 19.5 | 19.4 | 18.5 | 18.8 | 18.9 |
| | | 1 | 23 | 19.7 | **20.0** | 19.5 | 19.6 | 19.6 | 19.3 | 19.5 | 19.5 | 19.5 | 18.4 | 18.8 | 19.0 |
| | | 1 | 24 | 19.9 | 19.4 | 19.7 | **19.7** | 19.2 | 19.2 | 19.4 | 19.4 | 19.5 | 18.5 | 18.8 | 19.0 |
| | | 12 | 6 | 19.7 | 19.6 | 19.5 | 19.4 | 19.3 | 19.2 | 19.6 | 19.6 | **19.8** | 18.4 | 18.8 | **19.2** |
| | | 25 | 0 | 19.6 | 19.6 | 19.5 | 19.4 | 19.2 | 19.1 | 19.6 | 19.6 | 19.8 | 18.4 | 18.8 | 19.1 |

## OUTPUT POWER FOR 5G NR n25 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 371000 | 376500 | 382000 | 371000 | 376500 | 382000 | 371000 | 376500 | 382000 | 371000 | 376500 | 382000 |
| | | | | 1855.0 | 1882.5 | 1910.0 | 1855.0 | 1882.5 | 1910.0 | 1855.0 | 1882.5 | 1910.0 | 1855.0 | 1882.5 | 1910.0 |
| 10.0 | BPSK | 1 | 0 | 23.6 | 23.7 | 23.6 | 23.2 | 23.3 | 23.2 | 23.7 | 23.6 | 23.5 | 22.6 | 22.8 | 23.0 |
| | | 1 | 1 | 24.1 | 24.2 | 24.2 | 23.7 | 23.8 | 23.7 | 24.2 | 24.1 | 24.0 | 23.0 | 23.2 | 23.5 |
| | | 1 | 50 | **24.3** | 24.2 | 24.1 | **23.8** | 23.8 | 23.7 | 23.9 | 24.1 | **24.3** | 23.2 | 23.3 | **23.6** |
| | | 1 | 51 | 23.7 | 23.7 | 23.6 | 23.4 | 23.2 | 23.1 | 23.4 | 23.6 | 23.8 | 22.7 | 23.0 | 23.0 |
| | | 25 | 12 | 24.1 | 24.1 | 24.2 | 23.8 | 23.7 | 23.5 | 24.0 | 24.0 | 24.1 | 23.0 | 23.3 | 23.5 |
| | | 50 | 0 | 23.6 | 23.6 | 23.6 | 23.3 | 23.2 | 23.0 | 23.4 | 23.5 | 23.6 | 22.5 | 22.8 | 23.0 |
| | QPSK | 1 | 0 | 23.1 | 23.3 | 23.1 | 22.7 | 22.8 | 22.7 | 23.3 | 23.1 | 23.2 | 22.1 | 22.3 | 22.6 |
| | | 1 | 1 | 24.0 | 24.2 | **24.3** | 23.8 | 23.8 | 23.6 | 24.2 | 24.1 | 24.1 | 23.2 | 23.2 | 23.6 |
| | | 1 | 50 | 24.2 | 24.2 | 24.1 | 23.8 | **23.8** | 23.6 | 23.9 | 24.0 | **24.3** | 23.1 | 23.6 | **23.7** |
| | | 1 | 51 | 23.1 | 23.2 | 23.1 | 22.8 | 22.8 | 22.5 | 23.0 | 23.1 | 23.4 | 22.1 | 22.6 | 22.8 |
| | | 25 | 12 | 24.1 | 24.1 | 24.2 | 23.7 | 23.6 | 23.5 | 24.0 | 24.0 | 24.1 | 23.1 | 23.3 | 23.5 |
| | | 50 | 0 | 23.1 | 23.1 | 23.1 | 22.7 | 22.7 | 22.5 | 23.0 | 23.0 | 23.1 | 22.0 | 22.3 | 22.5 |
| | 16QAM | 1 | 0 | 22.0 | 22.2 | 22.0 | 21.6 | 22.1 | 21.3 | 22.3 | 22.1 | 22.3 | 21.1 | 21.2 | 21.1 |
| | | 1 | 1 | 23.2 | 23.3 | **23.4** | 22.5 | 22.5 | **22.8** | **23.4** | 23.1 | 23.4 | 21.9 | 22.4 | 22.5 |
| | | 1 | 50 | 23.0 | 23.4 | 22.9 | 22.6 | 22.7 | 22.5 | 23.0 | 23.0 | 23.4 | 22.3 | 22.2 | **22.5** |
| | | 1 | 51 | 22.4 | 22.3 | 22.2 | 21.8 | 21.9 | 21.2 | 22.0 | 22.1 | 22.5 | 20.8 | 21.0 | 21.2 |
| | | 25 | 12 | 23.2 | 23.0 | 23.1 | 22.7 | 22.6 | 22.5 | 23.0 | 23.0 | 23.0 | 22.0 | 22.3 | 22.5 |
| | | 50 | 0 | 22.1 | 22.1 | 22.1 | 21.8 | 21.6 | 21.5 | 22.0 | 22.0 | 22.1 | 21.0 | 21.3 | 21.4 |
| | 64QAM | 1 | 0 | 21.6 | **22.2** | 21.9 | 21.2 | 21.0 | 21.1 | **22.0** | 21.6 | 21.7 | 20.8 | 20.9 | 20.8 |
| | | 1 | 1 | 21.3 | 21.5 | 21.3 | 21.0 | **21.7** | 21.0 | 21.9 | 21.6 | 21.7 | 20.8 | 20.6 | 20.8 |
| | | 1 | 50 | 21.8 | 21.6 | 21.9 | 21.3 | 21.4 | 21.2 | 21.6 | 21.5 | 21.8 | 20.7 | 20.8 | 20.9 |
| | | 1 | 51 | 21.4 | 21.8 | 21.6 | 21.3 | 20.8 | 21.3 | 21.7 | 21.5 | 21.9 | 20.7 | 20.6 | 20.9 |
| | | 25 | 12 | 21.6 | 21.5 | 21.6 | 21.2 | 21.2 | 21.0 | 21.6 | 21.5 | 21.7 | 20.5 | 20.8 | **20.9** |
| | | 50 | 0 | 21.6 | 21.6 | 21.6 | 21.2 | 21.1 | 21.1 | 21.5 | 21.5 | 21.6 | 20.5 | 20.8 | **20.9** |
| | 256QAM | 1 | 0 | 19.4 | 19.5 | 19.5 | 19.0 | 18.8 | 19.3 | 19.6 | 19.4 | 19.3 | 18.6 | 18.8 | **19.1** |
| | | 1 | 1 | 19.6 | 19.4 | 19.6 | 19.4 | 19.4 | 18.6 | 19.8 | 19.6 | 19.6 | 18.8 | 18.8 | 18.9 |
| | | 1 | 50 | 19.3 | 19.5 | 19.3 | 19.2 | 19.0 | 18.8 | 19.6 | 19.5 | **19.9** | 18.7 | 18.9 | 18.9 |
| | | 1 | 51 | 19.6 | 19.4 | 19.3 | 18.9 | **19.4** | 18.8 | 19.3 | 19.4 | 19.7 | 18.7 | 18.9 | 19.0 |
| | | 25 | 12 | **19.7** | 19.5 | 19.5 | 19.2 | 19.1 | 19.1 | 19.6 | 19.6 | 19.6 | 18.4 | 18.7 | 19.0 |
| | | 50 | 0 | 19.6 | 19.5 | 19.7 | 19.1 | 19.1 | 18.9 | 19.6 | 19.6 | 19.7 | 18.5 | 18.7 | 19.0 |




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## OUTPUT POWER FOR 5G NR n25 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 371500 | 376500 | 381500 | 371500 | 376500 | 381500 | 371500 | 376500 | 381500 | 371500 | 376500 | 381500 |
| | | | | 1857.5 | 1882.5 | 1907.5 | 1857.5 | 1882.5 | 1907.5 | 1857.5 | 1882.5 | 1907.5 | 1857.5 | 1882.5 | 1907.5 |
| 15.0 | BPSK | 1 | 0 | 23.6 | 23.7 | 23.7 | 23.3 | 23.3 | 23.2 | 23.7 | 23.5 | 23.5 | 22.2 | 22.5 | 22.9 |
| | | 1 | 1 | 24.1 | 24.3 | 24.2 | 23.7 | 23.8 | 23.7 | 24.2 | 24.0 | 24.0 | 22.8 | 23.2 | 23.4 |
| | | 1 | 77 | 24.2 | **24.3** | 24.1 | 23.7 | 23.8 | 23.7 | 23.9 | 24.0 | **24.2** | 23.4 | 23.3 | 23.5 |
| | | 1 | 78 | 23.7 | 23.8 | 23.6 | 23.2 | 23.4 | 23.2 | 23.4 | 23.5 | 23.6 | 22.5 | 22.8 | 23.0 |
| | | 36 | 18 | 24.2 | 24.2 | 24.3 | **23.8** | 23.7 | 23.8 | 24.0 | 23.9 | 24.0 | 23.0 | 23.3 | **23.6** |
| | | 75 | 0 | 23.7 | 23.7 | 23.8 | 23.3 | 23.3 | 23.3 | 23.5 | 23.5 | 23.5 | 22.5 | 22.8 | 23.1 |
| | QPSK | 1 | 0 | 23.1 | 23.2 | 23.2 | 22.7 | 22.8 | 22.8 | 23.1 | 22.9 | 22.8 | 22.0 | 22.1 | 22.6 |
| | | 1 | 1 | 24.2 | 24.1 | 24.2 | 23.7 | **23.9** | 23.7 | 24.1 | 24.0 | 23.9 | 23.0 | 23.4 | **23.6** |
| | | 1 | 77 | 24.2 | 24.2 | 24.1 | 23.7 | 23.8 | 23.7 | 23.9 | 24.0 | **24.1** | 23.2 | 23.4 | 23.6 |
| | | 1 | 78 | 23.3 | 23.2 | 23.2 | 22.8 | 22.8 | 22.7 | 22.9 | 23.0 | 23.1 | 22.1 | 22.3 | 22.5 |
| | | 36 | 18 | **24.2** | 24.2 | 24.2 | 23.7 | 23.8 | 23.8 | 24.0 | 24.0 | 24.0 | 23.0 | 23.3 | 23.6 |
| | | 75 | 0 | 23.2 | 23.2 | 23.3 | 22.8 | 22.8 | 22.8 | 23.0 | 23.0 | 23.0 | 22.0 | 22.3 | 22.6 |
| | 16QAM | 1 | 0 | 22.0 | 22.4 | 22.0 | 21.7 | 21.6 | 21.7 | 22.1 | 22.0 | 21.9 | 21.2 | 21.2 | 21.3 |
| | | 1 | 1 | 23.0 | 23.3 | 23.2 | **22.9** | 22.9 | 22.7 | 23.1 | 23.0 | 22.8 | 22.2 | 22.4 | 22.3 |
| | | 1 | 77 | **23.4** | 23.1 | 22.7 | 22.6 | 22.5 | 22.9 | 22.9 | 23.0 | 23.0 | 22.4 | **22.6** | 22.4 |
| | | 1 | 78 | 22.5 | 22.2 | 22.2 | 21.6 | 21.5 | 21.9 | 21.8 | 22.0 | 22.2 | 21.1 | 21.5 | 21.4 |
| | | 36 | 18 | 23.2 | 23.1 | 23.2 | 22.8 | 22.8 | 22.8 | 23.1 | 23.0 | **23.2** | 21.9 | 22.3 | 22.5 |
| | | 75 | 0 | 22.2 | 22.1 | 22.2 | 21.8 | 21.8 | 21.8 | 22.2 | 22.1 | 22.2 | 21.0 | 21.3 | 21.6 |
| | 64QAM | 1 | 0 | 21.6 | 21.6 | 21.8 | 21.0 | **21.9** | 21.1 | 21.4 | 21.4 | 21.6 | 20.2 | 20.7 | 21.1 |
| | | 1 | 1 | 21.8 | 21.7 | **21.9** | 21.5 | 21.4 | 21.2 | 21.6 | 21.6 | 21.6 | 20.2 | 20.7 | 21.1 |
| | | 1 | 77 | 21.8 | 21.6 | 21.5 | 21.2 | 21.3 | 21.2 | 21.3 | 21.6 | **21.9** | 20.4 | 20.8 | **21.2** |
| | | 1 | 78 | 21.6 | 21.6 | 21.6 | 21.2 | 21.3 | 21.4 | 21.1 | 21.5 | 21.8 | 20.5 | 20.7 | 21.2 |
| | | 36 | 18 | 21.7 | 21.8 | 21.7 | 21.3 | 21.3 | 21.3 | 21.6 | 21.6 | 21.8 | 20.5 | 20.8 | 21.1 |
| | | 75 | 0 | 21.7 | 21.7 | 21.6 | 21.2 | 21.2 | 21.2 | 21.6 | 21.5 | 21.6 | 20.5 | 20.8 | 21.0 |
| | 256QAM | 1 | 0 | 19.8 | 19.8 | **20.0** | 18.9 | **19.4** | 19.1 | 19.7 | 19.5 | 19.6 | 18.5 | 18.6 | 18.7 |
| | | 1 | 1 | 19.6 | 19.5 | 19.6 | 19.1 | 19.0 | 19.2 | 19.8 | 19.6 | 19.6 | 18.5 | 18.6 | 18.6 |
| | | 1 | 77 | 19.9 | 19.8 | 19.4 | 19.0 | 19.3 | 19.3 | 19.7 | 19.6 | 19.9 | 18.5 | 18.8 | 18.7 |
| | | 1 | 78 | 19.6 | 19.8 | 19.6 | 19.2 | 18.9 | 19.3 | 19.6 | 19.6 | **20.0** | 18.4 | 18.7 | 18.8 |
| | | 36 | 18 | 19.7 | 19.6 | 19.7 | 19.3 | 19.3 | 19.2 | 19.6 | 19.5 | 19.7 | 18.5 | 18.8 | **19.0** |
| | | 75 | 0 | 19.7 | 19.7 | 19.6 | 19.4 | 19.3 | 19.3 | 19.6 | 19.6 | 19.7 | 18.4 | 18.8 | **19.0** |

## OUTPUT POWER FOR 5G NR n25 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 372000 | 376500 | 381000 | 372000 | 376500 | 381000 | 372000 | 376500 | 381000 | 372000 | 376500 | 381000 |
| | | | | 1860.0 | 1882.5 | 1905.0 | 1860.0 | 1882.5 | 1905.0 | 1860.0 | 1882.5 | 1905.0 | 1860.0 | 1882.5 | 1905.0 |
| 20.0 | BPSK | 1 | 0 | 23.6 | 23.7 | 23.7 | 23.4 | 23.3 | 23.3 | 23.5 | 23.4 | 23.4 | 22.3 | 22.6 | 22.7 |
| | | 1 | 1 | 24.2 | 24.2 | 24.2 | 23.9 | 23.8 | 23.8 | 24.1 | 24.0 | 24.1 | 22.8 | 23.2 | 23.2 |
| | | 1 | 104 | 24.2 | 24.2 | 24.3 | **23.9** | 23.8 | 23.8 | 24.0 | 24.1 | **24.3** | 23.2 | 23.4 | 23.5 |
| | | 1 | 105 | 23.6 | 23.7 | 23.7 | 23.3 | 23.2 | 23.3 | 23.4 | 23.5 | 23.7 | 22.5 | 22.8 | 23.0 |
| | | 50 | 25 | **24.3** | 24.2 | 24.1 | 23.8 | 23.8 | 23.7 | 24.0 | 23.9 | 24.1 | 23.0 | 23.3 | **23.5** |
| | | 100 | 0 | 23.7 | 23.7 | 23.7 | 23.4 | 23.3 | 23.3 | 23.5 | 23.6 | 23.5 | 22.5 | 22.8 | 23.0 |
| | QPSK | 1 | 0 | 23.1 | 23.1 | 23.3 | 22.7 | 22.8 | 22.8 | 23.0 | 23.0 | 23.0 | 22.0 | 22.1 | 22.5 |
| | | 1 | 1 | 24.1 | **24.3** | 24.2 | 23.8 | 23.8 | 23.8 | 24.0 | 23.9 | 24.0 | 23.0 | 23.1 | 23.3 |
| | | 1 | 104 | 24.2 | 24.2 | 24.2 | 23.8 | 23.8 | 23.7 | 23.9 | 24.0 | 24.0 | 23.2 | 23.4 | 23.4 |
| | | 1 | 105 | 23.2 | 23.3 | 23.1 | 22.7 | 22.8 | 22.8 | 23.0 | 22.9 | 23.0 | 22.2 | 22.4 | 22.4 |
| | | 50 | 25 | 24.2 | 24.1 | 24.1 | 23.8 | 23.8 | **23.8** | 24.0 | 23.8 | **24.1** | 23.0 | 23.3 | **23.5** |
| | | 100 | 0 | 23.2 | 23.1 | 23.2 | 22.9 | 22.7 | 22.8 | 23.0 | 23.0 | 23.1 | 22.0 | 22.3 | 22.5 |
| | 16QAM | 1 | 0 | 22.1 | 22.1 | 22.0 | 22.0 | 21.7 | 21.9 | 22.2 | 22.1 | 22.1 | 21.1 | 21.1 | 21.4 |
| | | 1 | 1 | 23.0 | 23.3 | 23.3 | 22.7 | 22.7 | 22.8 | 23.1 | 23.0 | 23.1 | 22.1 | 22.0 | 22.4 |
| | | 1 | 104 | 23.0 | **23.3** | 23.0 | **23.0** | 22.7 | 22.9 | 23.0 | 23.1 | **23.2** | 22.1 | 22.4 | **22.5** |
| | | 1 | 105 | 22.1 | 22.5 | 22.0 | 21.8 | 21.8 | 22.0 | 22.1 | 22.2 | 22.1 | 21.1 | 21.4 | 21.6 |
| | | 50 | 25 | 23.3 | 23.2 | 23.1 | 23.0 | 22.7 | 22.7 | 23.1 | 23.0 | 23.1 | 22.0 | 22.2 | 22.5 |
| | | 100 | 0 | 22.2 | 22.2 | 22.2 | 21.9 | 21.8 | 21.8 | 22.0 | 22.0 | 22.1 | 21.0 | 21.3 | 21.5 |
| | 64QAM | 1 | 0 | 21.7 | 21.7 | 21.7 | **21.7** | 21.3 | 21.3 | 21.7 | 21.8 | 21.5 | 20.3 | 20.7 | 20.8 |
| | | 1 | 1 | 21.7 | 21.7 | 21.8 | 21.1 | 21.1 | 21.3 | 21.7 | 21.8 | 21.4 | 20.4 | 20.7 | 20.8 |
| | | 1 | 104 | 21.8 | 21.7 | 21.7 | 21.4 | 21.3 | 21.0 | 21.6 | 21.4 | **21.9** | 20.6 | 20.9 | 20.9 |
| | | 1 | 105 | **22.0** | 21.7 | 21.7 | 21.6 | 21.2 | 21.1 | 21.6 | 21.6 | 21.9 | 20.7 | 20.9 | **21.0** |
| | | 50 | 25 | 21.7 | 21.6 | 21.7 | 21.4 | 21.3 | 21.2 | 21.6 | 21.5 | 21.6 | 20.4 | 20.7 | 20.9 |
| | | 100 | 0 | 21.7 | 21.7 | 21.7 | 21.4 | 21.3 | 21.3 | 21.6 | 21.6 | 21.7 | 20.5 | 20.8 | 20.9 |
| | 256QAM | 1 | 0 | 19.3 | 19.8 | 19.6 | 19.3 | 19.4 | 19.3 | 19.8 | **19.9** | 19.7 | 18.4 | 18.6 | 18.8 |
| | | 1 | 1 | 19.1 | 19.7 | 19.6 | 18.9 | 19.3 | 18.9 | 19.7 | 19.7 | 19.7 | 18.3 | 18.6 | 18.8 |
| | | 1 | 104 | **19.9** | 19.6 | 19.2 | 19.3 | 19.0 | 19.1 | 19.5 | 19.6 | 19.7 | 18.5 | 18.9 | **19.0** |
| | | 1 | 105 | 19.4 | 19.9 | 19.5 | 19.2 | 19.2 | 18.9 | 19.5 | 19.5 | 19.7 | 18.5 | 18.9 | 19.0 |
| | | 50 | 25 | 19.7 | 19.7 | 19.7 | 19.3 | 19.2 | 19.3 | 19.6 | 19.6 | 19.7 | 18.5 | 18.7 | 19.0 |
| | | 100 | 0 | 19.8 | 19.6 | 19.7 | **19.4** | 19.2 | 19.2 | 19.6 | 19.6 | 19.6 | 18.4 | 18.7 | 19.0 |



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## OUTPUT POWER FOR 5G NR n25 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 372500 | 376500 | 380500 | 372500 | 376500 | 380500 | 372500 | 376500 | 380500 | 372500 | 376500 | 380500 |
| | | | | 1862.5 | 1882.5 | 1902.5 | 1862.5 | 1882.5 | 1902.5 | 1862.5 | 1882.5 | 1902.5 | 1862.5 | 1882.5 | 1902.5 |
| 25.0 | BPSK | 1 | 0 | 23.8 | 23.9 | 24.0 | 23.3 | 23.3 | 23.4 | 23.6 | 23.4 | 23.5 | 22.4 | 22.6 | 22.8 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | **23.9** | 23.9 | 23.8 | 24.1 | 24.0 | 24.0 | 22.9 | 23.1 | 23.4 |
| | | 1 | 131 | 24.4 | **24.5** | 24.4 | 23.8 | **23.9** | 23.8 | 24.0 | 24.0 | **24.3** | 23.1 | 23.4 | **23.6** |
| | | 1 | 132 | 23.9 | 24.0 | 23.9 | 23.4 | 23.3 | 23.4 | 23.4 | 23.5 | 23.8 | 22.6 | 22.9 | 23.1 |
| | | 64 | 32 | 24.3 | 24.4 | 24.3 | 23.8 | 23.9 | 23.8 | 24.0 | 23.9 | 24.1 | 23.0 | 23.3 | 23.5 |
| | | 128 | 0 | 23.9 | 23.9 | 23.9 | 23.3 | 23.3 | 23.4 | 23.4 | 23.4 | 23.6 | 22.6 | 22.8 | 23.0 |
| | QPSK | 1 | 0 | 23.3 | 23.5 | 23.5 | 22.9 | 22.8 | 22.9 | 23.1 | 23.0 | 23.0 | 22.0 | 22.1 | 22.3 |
| | | 1 | 1 | 24.4 | 24.5 | **24.5** | 23.9 | 23.8 | 23.9 | 24.1 | 24.0 | 24.0 | 23.0 | 23.1 | 23.4 |
| | | 1 | 131 | 24.4 | 24.5 | 24.4 | **23.9** | 23.9 | 23.8 | 24.0 | 23.9 | **24.3** | 23.1 | 23.4 | **23.5** |
| | | 1 | 132 | 23.4 | 23.5 | 23.5 | 22.9 | 22.9 | 22.8 | 23.0 | 22.9 | 23.3 | 22.1 | 22.4 | 22.6 |
| | | 64 | 32 | 24.3 | 24.4 | 24.3 | 23.8 | 23.9 | 23.8 | 23.9 | 23.9 | 24.1 | 23.0 | 23.3 | 23.4 |
| | | 128 | 0 | 23.4 | 23.4 | 23.3 | 22.8 | 22.9 | 22.7 | 22.9 | 22.9 | 23.1 | 22.1 | 22.3 | 22.4 |
| | 16QAM | 1 | 0 | 22.4 | 22.4 | 22.4 | 22.0 | 22.1 | 21.9 | 22.3 | 22.1 | 22.0 | 20.9 | 20.9 | 21.3 |
| | | 1 | 1 | 23.6 | 23.6 | **23.7** | 22.9 | 23.1 | 23.1 | 23.2 | 23.0 | 23.0 | 22.1 | 21.7 | 22.5 |
| | | 1 | 131 | 23.6 | 23.5 | 23.4 | 22.8 | 22.7 | **23.2** | 23.1 | 23.1 | **23.2** | 22.1 | 22.2 | **22.7** |
| | | 1 | 132 | 22.4 | 22.5 | 22.4 | 21.8 | 21.7 | 21.4 | 22.1 | 22.1 | 22.3 | 21.1 | 21.2 | 21.5 |
| | | 64 | 32 | 23.3 | 23.4 | 23.4 | 22.8 | 22.8 | 22.7 | 23.0 | 22.9 | 23.1 | 22.0 | 22.3 | 22.5 |
| | | 128 | 0 | 22.4 | 22.4 | 22.4 | 21.9 | 21.8 | 21.8 | 21.9 | 21.9 | 22.1 | 21.0 | 21.2 | 21.4 |
| | 64QAM | 1 | 0 | 22.1 | 21.7 | 22.0 | 21.3 | 21.3 | **21.6** | 21.5 | 21.4 | 21.4 | 20.3 | 20.5 | 20.8 |
| | | 1 | 1 | 22.0 | 21.9 | 22.2 | 21.3 | 21.5 | 21.3 | 21.5 | 21.5 | 21.4 | 20.5 | 20.5 | 20.8 |
| | | 1 | 131 | 21.7 | 22.0 | 21.8 | 21.2 | 21.4 | 21.4 | 21.3 | 21.4 | 21.6 | 20.6 | 20.6 | **21.1** |
| | | 1 | 132 | 22.1 | 21.9 | **22.3** | 21.1 | 21.3 | 21.5 | 21.3 | 21.4 | **21.6** | 20.6 | 20.8 | 21.0 |
| | | 64 | 32 | 21.8 | 21.9 | 21.9 | 21.3 | 21.3 | 21.2 | 21.4 | 21.3 | 21.5 | 20.5 | 20.8 | 21.0 |
| | | 128 | 0 | 21.8 | 21.9 | 21.9 | 21.3 | 21.3 | 21.2 | 21.4 | 21.3 | 21.5 | 20.5 | 20.8 | 21.0 |
| | 256QAM | 1 | 0 | 19.9 | 19.7 | 20.0 | 19.6 | 19.6 | **19.6** | 19.6 | 19.5 | 19.4 | 18.5 | 18.7 | 18.8 |
| | | 1 | 1 | 19.9 | 19.9 | **20.1** | 19.2 | 19.2 | 19.3 | **19.7** | 19.6 | 19.5 | 18.6 | 18.7 | 18.8 |
| | | 1 | 131 | 20.1 | 19.7 | 19.9 | 19.6 | 19.5 | 19.4 | 19.7 | 19.6 | 19.6 | 18.6 | **19.1** | 18.9 |
| | | 1 | 132 | 19.9 | 19.8 | 19.8 | 19.3 | 19.1 | 19.4 | 19.5 | 19.5 | 19.6 | 18.6 | 18.8 | 19.0 |
| | | 64 | 32 | 19.9 | 19.9 | 19.8 | 19.3 | 19.3 | 19.2 | 19.3 | 19.3 | 19.5 | 18.5 | 18.7 | 19.0 |
| | | 128 | 0 | 19.9 | 19.8 | 19.8 | 19.3 | 19.3 | 19.2 | 19.3 | 19.3 | 19.5 | 18.5 | 18.8 | 19.0 |

## OUTPUT POWER FOR 5G NR n25 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 373000 | 376500 | 380000 | 373000 | 376500 | 380000 | 373000 | 376500 | 380000 | 373000 | 376500 | 380000 |
| | | | | 1865.0 | 1882.5 | 1900.0 | 1865.0 | 1882.5 | 1900.0 | 1865.0 | 1882.5 | 1900.0 | 1865.0 | 1882.5 | 1900.0 |
| 30.0 | BPSK | 1 | 0 | 23.9 | 23.8 | 23.9 | 23.5 | 23.4 | 23.5 | 23.6 | 23.5 | 23.4 | 22.4 | 22.6 | 22.9 |
| | | 1 | 1 | 24.4 | 24.5 | 24.5 | 23.8 | 23.8 | **23.9** | 24.1 | 24.0 | 24.0 | 23.0 | 23.0 | 23.3 |
| | | 1 | 158 | 24.5 | **24.6** | 24.4 | 23.9 | **23.9** | 23.8 | 24.0 | 24.1 | **24.3** | 23.1 | 23.4 | **23.6** |
| | | 1 | 159 | 24.0 | 23.9 | 23.8 | 23.4 | 23.3 | 23.3 | 23.5 | 23.6 | 23.8 | 22.7 | 22.9 | 23.1 |
| | | 80 | 40 | 24.5 | 24.5 | 24.5 | 23.8 | 23.9 | 23.8 | 24.0 | 24.0 | 24.2 | 23.1 | 23.3 | 23.5 |
| | | 160 | 0 | 23.9 | 23.9 | 23.9 | 23.4 | 23.3 | 23.3 | 23.5 | 23.5 | 23.6 | 22.6 | 22.8 | 23.0 |
| | QPSK | 1 | 0 | 23.4 | 23.5 | 23.4 | 22.8 | 22.9 | 22.9 | 23.1 | 22.9 | 23.0 | 21.9 | 22.0 | 22.4 |
| | | 1 | 1 | 24.4 | **24.5** | 24.5 | 23.8 | 23.9 | **23.9** | 24.2 | 24.0 | 24.0 | 23.0 | 23.1 | 23.4 |
| | | 1 | 158 | 24.5 | 24.4 | 24.3 | 23.9 | 23.9 | 23.8 | 24.0 | 24.1 | **24.3** | 23.2 | 23.4 | **23.6** |
| | | 1 | 159 | 23.5 | 23.5 | 23.3 | 22.9 | 22.9 | 22.8 | 23.0 | 23.0 | 23.3 | 22.2 | 22.4 | 22.7 |
| | | 80 | 40 | 24.4 | 24.5 | 24.4 | 23.8 | 23.9 | 23.8 | 24.0 | 24.0 | 24.2 | 23.1 | 23.3 | 23.5 |
| | | 160 | 0 | 23.4 | 23.4 | 23.4 | 22.9 | 22.8 | 22.8 | 23.0 | 23.0 | 23.1 | 22.1 | 22.3 | 22.5 |
| | 16QAM | 1 | 0 | 22.5 | 22.6 | 22.5 | 22.1 | 21.7 | 21.7 | 22.1 | 21.8 | 22.0 | 21.0 | 21.0 | 21.3 |
| | | 1 | 1 | 23.1 | 23.3 | 23.4 | 22.9 | 22.9 | **22.9** | 23.1 | 22.8 | 23.0 | 22.0 | 22.0 | 22.3 |
| | | 1 | 158 | **23.6** | 23.3 | 23.2 | 22.9 | 22.8 | 22.9 | 23.0 | 23.0 | **23.4** | 22.3 | **22.6** | 22.6 |
| | | 1 | 159 | 22.5 | 22.1 | 22.2 | 21.8 | 21.9 | 21.7 | 21.9 | 22.0 | 22.4 | 21.2 | 21.6 | 21.5 |
| | | 80 | 40 | 23.4 | 23.5 | 23.4 | 22.9 | 22.9 | 22.8 | 23.0 | 23.1 | 23.1 | 22.1 | 22.3 | 22.4 |
| | | 160 | 0 | 22.4 | 22.3 | 22.4 | 21.9 | 21.9 | 21.8 | 22.1 | 22.0 | 22.1 | 21.1 | 21.3 | 21.5 |
| | 64QAM | 1 | 0 | 22.0 | 21.8 | 22.0 | **21.8** | 21.2 | 21.6 | 21.7 | 21.3 | 21.4 | 20.4 | 20.6 | 20.9 |
| | | 1 | 1 | 21.9 | 21.9 | 21.8 | 21.6 | 21.5 | 21.6 | 21.8 | 21.4 | 21.5 | 20.5 | 20.6 | 20.9 |
| | | 1 | 158 | 22.0 | 22.0 | 21.7 | 21.4 | 21.5 | 21.5 | 21.6 | 21.5 | 21.7 | 20.7 | 21.0 | 21.1 |
| | | 1 | 159 | 21.9 | **22.2** | 21.6 | 21.6 | 21.4 | 20.9 | 21.6 | 21.4 | **21.8** | 20.7 | 21.0 | **21.1** |
| | | 80 | 40 | 22.0 | 22.0 | 21.3 | 21.3 | 21.3 | 21.3 | 21.5 | 21.4 | 21.6 | 20.5 | 20.8 | 21.0 |
| | | 160 | 0 | 22.0 | 21.9 | 21.3 | 21.4 | 21.4 | 21.4 | 21.5 | 21.5 | 21.6 | 20.6 | 20.8 | 21.0 |
| | 256QAM | 1 | 0 | 20.2 | **20.2** | 19.8 | 19.3 | 19.4 | **19.9** | 19.6 | 19.4 | 19.3 | 18.5 | 18.4 | 18.8 |
| | | 1 | 1 | 20.2 | 19.8 | 19.5 | 19.5 | 19.4 | 19.4 | 19.6 | 19.4 | 19.4 | 18.5 | 18.5 | 18.8 |
| | | 1 | 158 | 19.7 | 20.0 | 20.0 | 19.5 | 19.6 | 19.1 | 19.4 | 19.4 | **19.7** | 18.6 | 18.8 | **19.1** |
| | | 1 | 159 | 19.9 | 19.7 | 19.8 | 19.3 | 19.6 | 19.6 | 19.3 | 19.4 | 19.7 | 18.6 | 18.8 | **19.1** |
| | | 80 | 40 | 20.0 | 19.9 | 19.9 | 19.4 | 19.3 | 19.3 | 19.5 | 19.5 | 19.5 | 18.6 | 18.8 | 19.0 |
| | | 160 | 0 | 20.0 | 19.9 | 19.8 | 19.4 | 19.2 | 19.4 | 19.5 | 19.5 | 19.5 | 18.6 | 18.8 | 18.9 |



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## OUTPUT POWER FOR 5G NR n25 (35.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 373500 | 376500 | 379500 | 373500 | 376500 | 379500 | 373500 | 376500 | 379500 | 373500 | 376500 | 379500 |
| | | | | 1867.5 | 1882.5 | 1897.5 | 1867.5 | 1882.5 | 1897.5 | 1867.5 | 1882.5 | 1897.5 | 1867.5 | 1882.5 | 1897.5 |
| 35.0 | BPSK | 1 | 0 | 23.8 | 24.1 | 24.0 | 23.5 | 23.6 | 23.6 | 23.7 | 23.5 | 23.5 | 22.5 | 22.5 | 22.8 |
| | | 1 | 1 | 24.4 | 24.5 | 24.4 | **23.9** | 23.9 | 23.8 | 24.2 | 24.1 | 24.0 | 23.0 | 23.1 | 23.3 |
| | | 1 | 186 | 24.5 | **24.5** | 24.4 | 23.7 | 23.9 | 23.9 | 24.1 | 24.2 | **24.4** | 23.2 | 23.5 | **23.7** |
| | | 1 | 187 | 23.9 | 24.0 | 23.9 | 23.5 | 23.6 | 23.5 | 23.6 | 23.7 | 23.8 | 22.6 | 23.0 | 23.2 |
| | | 90 | 45 | 24.0 | 24.0 | 23.9 | 23.5 | 23.5 | 23.5 | 24.1 | 24.1 | 24.2 | 23.1 | 23.4 | 23.5 |
| | | 180 | 0 | 24.0 | 23.9 | 24.0 | 23.6 | 23.5 | 23.5 | 23.6 | 23.6 | 23.7 | 22.6 | 22.9 | 23.0 |
| | QPSK | 1 | 0 | 23.4 | 23.5 | 23.5 | 23.0 | 23.0 | 23.0 | 23.2 | 23.1 | 23.0 | 21.9 | 22.1 | 22.3 |
| | | 1 | 1 | 24.4 | 24.4 | **24.5** | 23.9 | **23.9** | 23.8 | 24.2 | 24.0 | 24.0 | 23.0 | 23.1 | 23.3 |
| | | 1 | 186 | 24.4 | 24.5 | 24.5 | 23.9 | 23.8 | 23.8 | 24.1 | 24.2 | **24.3** | 23.2 | 23.5 | **23.7** |
| | | 1 | 187 | 23.5 | 23.4 | 23.4 | 23.2 | 23.1 | 23.0 | 23.1 | 23.2 | 23.3 | 22.2 | 22.5 | 22.7 |
| | | 90 | 45 | 23.4 | 23.4 | 23.6 | 23.1 | 22.9 | 23.1 | 24.1 | 24.1 | 24.2 | 23.1 | 23.4 | 23.5 |
| | | 180 | 0 | 23.5 | 23.4 | 23.4 | 23.0 | 23.0 | 23.1 | 23.1 | 23.1 | 23.1 | 22.1 | 22.4 | 22.5 |
| | 16QAM | 1 | 0 | 22.4 | 22.3 | 22.8 | 22.0 | 21.7 | 22.0 | 22.3 | 22.2 | 22.0 | 21.0 | 21.1 | 21.3 |
| | | 1 | 1 | 23.4 | 23.5 | **23.6** | 22.8 | 23.0 | 23.1 | 23.3 | 23.2 | 23.1 | 22.0 | 22.0 | 22.3 |
| | | 1 | 186 | 23.5 | 23.4 | 23.3 | 23.3 | **23.4** | 22.6 | 23.2 | **23.3** | 23.3 | 22.2 | 22.4 | **22.7** |
| | | 1 | 187 | 22.1 | 22.5 | 22.4 | 21.9 | 21.9 | 21.9 | 22.1 | 22.3 | 22.5 | 21.1 | 21.5 | 21.7 |
| | | 90 | 45 | 22.4 | 22.5 | 22.5 | 22.0 | 22.0 | 22.0 | 23.1 | 23.0 | 23.2 | 22.1 | 22.3 | 22.5 |
| | | 180 | 0 | 22.5 | 22.4 | 22.4 | 22.1 | 22.0 | 22.0 | 22.1 | 22.0 | 22.2 | 21.1 | 21.3 | 21.5 |
| | 64QAM | 1 | 0 | 22.1 | 22.1 | **22.1** | 21.4 | 21.6 | 21.5 | 21.6 | 21.6 | 21.7 | 20.4 | 20.6 | 20.7 |
| | | 1 | 1 | 21.5 | 21.9 | 22.0 | 21.6 | **21.7** | 21.3 | 21.7 | 21.6 | 21.7 | 20.5 | 20.6 | 20.7 |
| | | 1 | 186 | 21.9 | 22.1 | 21.8 | 21.5 | 21.6 | 21.2 | 21.5 | 21.8 | **22.1** | 20.7 | 21.0 | **21.1** |
| | | 1 | 187 | 21.8 | 22.0 | 21.4 | 21.6 | 21.6 | 21.7 | 21.3 | 21.7 | 22.0 | 20.6 | **21.1** | 21.1 |
| | | 90 | 45 | 21.9 | 21.9 | 22.0 | 21.5 | 21.4 | 21.5 | 21.6 | 21.5 | 21.7 | 20.6 | 20.8 | 21.0 |
| | | 180 | 0 | 22.0 | 21.9 | 22.0 | 21.6 | 21.5 | 21.4 | 21.6 | 21.5 | 21.6 | 20.6 | 20.8 | 21.0 |
| | 256QAM | 1 | 0 | 20.0 | 19.5 | 20.0 | 19.8 | 19.5 | 19.6 | 19.7 | 19.5 | 19.6 | 18.4 | 18.5 | 18.7 |
| | | 1 | 1 | 19.8 | 19.6 | 19.7 | 19.5 | 19.3 | 19.3 | 19.8 | 19.5 | 19.6 | 18.5 | 18.5 | 18.7 |
| | | 1 | 186 | **20.1** | 19.7 | 20.0 | 19.6 | 19.2 | 19.8 | 19.7 | 19.7 | 20.0 | 18.6 | 18.9 | **19.0** |
| | | 1 | 187 | 20.0 | 19.8 | 19.8 | 19.6 | **19.9** | 19.3 | 19.6 | 19.6 | **20.0** | 18.6 | 19.0 | 19.0 |
| | | 90 | 45 | 19.9 | 19.9 | 19.9 | 19.6 | 19.4 | 19.5 | 19.5 | 19.5 | 19.7 | 18.6 | 18.8 | 19.0 |
| | | 180 | 0 | 19.9 | 19.9 | 19.9 | 19.6 | 19.3 | 19.5 | 19.5 | 19.5 | 19.6 | 18.6 | 18.8 | 18.9 |

## OUTPUT POWER FOR 5G NR n25 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 374000 | 376500 | 379000 | 374000 | 376500 | 379000 | 374000 | 376500 | 379000 | 374000 | 376500 | 379000 |
| | | | | 1870.0 | 1882.5 | 1895.0 | 1870.0 | 1882.5 | 1895.0 | 1870.0 | 1882.5 | 1895.0 | 1870.0 | 1882.5 | 1895.0 |
| 40.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 24.1 | 23.6 | 23.6 | 23.5 | 23.7 | 23.5 | 23.5 | 22.5 | 22.5 | 22.7 |
| | | 1 | 1 | 24.4 | 24.4 | **24.6** | **24.0** | 23.9 | 23.9 | 24.2 | 24.1 | 24.2 | 23.0 | 23.0 | 23.2 |
| | | 1 | 214 | 24.5 | 24.4 | 24.4 | 23.9 | 23.9 | 23.9 | 24.1 | 24.2 | **24.4** | 23.3 | 23.5 | **23.7** |
| | | 1 | 215 | 24.0 | 23.9 | 23.9 | 23.6 | 23.5 | 23.6 | 23.6 | 23.7 | 23.9 | 22.8 | 23.0 | 23.2 |
| | | 108 | 54 | 24.4 | 24.4 | 24.5 | 23.8 | 23.8 | 23.8 | 24.1 | 24.0 | 24.1 | 23.1 | 23.3 | 23.5 |
| | | 216 | 0 | 23.9 | 23.8 | 23.9 | 23.6 | 23.5 | 23.6 | 23.6 | 23.6 | 23.6 | 22.7 | 22.8 | 23.0 |
| | QPSK | 1 | 0 | 23.4 | 23.4 | 23.5 | 23.2 | 23.0 | 23.1 | 23.1 | 23.0 | 23.0 | 22.0 | 22.0 | 22.2 |
| | | 1 | 1 | 24.4 | 24.5 | **24.6** | 23.9 | 23.8 | 23.8 | 24.1 | 24.0 | 24.1 | 23.1 | 23.1 | 23.2 |
| | | 1 | 214 | 24.5 | 24.5 | 24.4 | 23.9 | 23.7 | **24.0** | 24.1 | **24.2** | 24.2 | 23.4 | 23.5 | **23.7** |
| | | 1 | 215 | 23.5 | 23.4 | 23.5 | 23.0 | 23.0 | 23.1 | 23.0 | 23.0 | 23.1 | 22.4 | 22.5 | 22.6 |
| | | 108 | 54 | 24.4 | 24.5 | 24.4 | 23.9 | 23.8 | 23.8 | 24.1 | 23.9 | 24.1 | 23.2 | 23.3 | 23.5 |
| | | 216 | 0 | 23.5 | 23.4 | 23.4 | 23.0 | 23.0 | 23.0 | 23.1 | 23.1 | 23.1 | 22.2 | 22.4 | 22.4 |
| | 16QAM | 1 | 0 | 22.2 | 22.7 | 22.3 | 22.0 | 22.2 | 22.1 | 22.2 | 22.1 | 22.1 | 21.1 | 21.0 | 21.3 |
| | | 1 | 1 | 23.4 | 23.2 | 23.4 | 23.1 | **23.3** | 23.2 | 23.2 | 23.0 | 23.2 | 22.1 | 22.1 | 22.3 |
| | | 1 | 214 | 23.3 | **23.9** | 23.5 | 23.1 | 22.9 | 23.0 | 23.1 | 23.2 | **23.3** | 22.3 | 22.5 | **22.8** |
| | | 1 | 215 | 22.5 | 22.3 | 22.3 | 22.2 | 22.0 | 22.1 | 22.1 | 22.2 | 22.1 | 21.3 | 21.5 | 21.7 |
| | | 108 | 54 | 23.4 | 23.4 | 23.5 | 23.0 | 23.0 | 23.1 | 23.1 | 23.0 | 23.1 | 22.1 | 22.3 | 22.5 |
| | | 216 | 0 | 22.4 | 22.5 | 22.4 | 22.0 | 22.0 | 22.0 | 22.1 | 22.1 | 22.2 | 21.2 | 21.3 | 21.5 |
| | 64QAM | 1 | 0 | 21.8 | 21.8 | 21.8 | **21.9** | 21.6 | 21.5 | 21.7 | 21.8 | 21.5 | 20.5 | 20.5 | 20.8 |
| | | 1 | 1 | 22.0 | 21.7 | 22.2 | 21.8 | 21.2 | 21.4 | 21.8 | 21.8 | 21.5 | 20.4 | 20.5 | 20.8 |
| | | 1 | 214 | 22.0 | 22.1 | 22.1 | 21.8 | 21.7 | 21.1 | 21.6 | 21.4 | **21.9** | 20.9 | 21.0 | **21.2** |
| | | 1 | 215 | 21.8 | **22.2** | 21.8 | 21.7 | 21.5 | 21.4 | 21.6 | 21.6 | 21.9 | 20.9 | 21.0 | 21.2 |
| | | 108 | 54 | 21.9 | 21.9 | 21.9 | 21.6 | 21.5 | 21.4 | 21.6 | 21.6 | 21.6 | 20.6 | 20.8 | 20.9 |
| | | 216 | 0 | 21.9 | 21.9 | 21.9 | 21.6 | 21.4 | 21.6 | 21.6 | 21.6 | 21.6 | 20.6 | 20.8 | 20.9 |
| | 256QAM | 1 | 0 | 20.0 | 20.0 | 20.2 | **19.9** | 19.7 | 19.6 | 19.5 | 19.5 | 19.4 | 18.4 | 18.5 | 18.7 |
| | | 1 | 1 | 19.4 | 19.7 | 19.9 | 19.5 | 19.5 | 19.7 | 19.6 | 19.6 | 19.5 | 18.4 | 18.5 | 18.7 |
| | | 1 | 214 | 19.8 | 19.8 | 19.6 | 19.5 | 19.3 | 19.6 | 19.6 | 19.6 | **19.8** | 18.7 | 19.0 | **19.2** |
| | | 1 | 215 | 20.1 | 20.2 | **20.3** | 19.5 | 19.5 | 19.7 | 19.5 | 19.6 | 19.7 | 18.6 | 19.0 | 19.1 |
| | | 108 | 54 | 19.8 | 19.9 | 20.0 | 19.4 | 19.4 | 19.4 | 19.6 | 19.6 | 19.6 | 18.6 | 18.8 | 19.0 |
| | | 216 | 0 | 19.9 | 19.9 | 20.0 | 19.5 | 19.4 | 19.5 | 19.6 | 19.6 | 19.6 | 18.6 | 18.8 | 18.9 |




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# 8.8. LTE BAND 26 AND 5G NR 26 (Part 90S)

## LTE BAND 26

| Test Engineer ID: | 28529JB and 39005RA | Test Date: | 2024-01-22 to 2024-04-02 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 26 (1.4 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 26697 | 26740 | 26783 | 26697 | 26740 | 26783 |
| | | | | 814.7 | 819.0 | 823.3 | 814.7 | 819.0 | 823.3 |
| 1.4 | QPSK | 1 | 0 | 24.9 | **25.0** | 24.9 | 24.2 | 24.1 | 24.1 |
| | | 1 | 2 | 24.9 | 24.9 | 25.0 | 24.1 | 24.0 | 23.9 |
| | | 1 | 5 | 24.9 | 25.0 | 24.9 | **24.2** | 24.1 | 24.1 |
| | | 3 | 0 | 24.8 | 24.8 | 24.8 | 24.1 | 24.1 | 24.1 |
| | | 3 | 1 | 24.8 | 24.8 | 24.8 | 24.1 | 24.1 | 24.0 |
| | | 3 | 2 | 24.7 | 24.8 | 24.8 | 24.1 | 24.0 | 24.0 |
| | | 6 | 0 | 23.9 | 24.0 | 23.9 | 23.2 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | 24.0 | 24.0 | 23.8 | 23.1 | 23.0 | 23.0 |
| | | 1 | 2 | 23.9 | **24.1** | 23.9 | 23.2 | 23.2 | 23.1 |
| | | 1 | 5 | 24.0 | 24.0 | 23.9 | 23.1 | 23.0 | 23.1 |
| | | 3 | 0 | 23.8 | 23.8 | 23.9 | 23.2 | **23.2** | 23.2 |
| | | 3 | 1 | 23.8 | 23.9 | 23.9 | 23.1 | 23.2 | 23.1 |
| | | 3 | 2 | 23.7 | 23.8 | 23.9 | 23.1 | 23.1 | 23.1 |
| | | 6 | 0 | 22.9 | 23.0 | 22.9 | 22.1 | 22.1 | 22.0 |
| | 64QAM | 1 | 0 | 22.7 | 22.9 | 22.9 | 22.1 | 22.0 | 22.1 |
| | | 1 | 2 | 23.0 | 23.1 | **23.1** | **22.3** | 22.2 | 22.2 |
| | | 1 | 5 | 22.8 | 23.0 | 23.0 | 22.2 | 22.1 | 22.2 |
| | | 3 | 0 | 22.8 | 22.8 | 22.8 | 22.0 | 22.1 | 22.1 |
| | | 3 | 1 | 22.9 | 22.8 | 22.8 | 22.0 | 22.0 | 22.0 |
| | | 3 | 2 | 22.8 | 22.8 | 22.8 | 22.0 | 21.9 | 22.0 |
| | | 6 | 0 | 21.9 | 21.9 | 21.9 | 21.1 | 21.0 | 21.1 |
| | 256QAM | 1 | 0 | 19.8 | 19.9 | 19.8 | 19.0 | 19.0 | 19.1 |
| | | 1 | 2 | 19.6 | 19.9 | 20.0 | 19.2 | 19.1 | 19.2 |
| | | 1 | 5 | 19.8 | 19.9 | 19.8 | 19.0 | 18.9 | 19.1 |
| | | 3 | 0 | 20.0 | 19.9 | **20.0** | **19.2** | 19.2 | 19.1 |
| | | 3 | 1 | 19.9 | 19.9 | 20.0 | 19.2 | 19.1 | 19.1 |
| | | 3 | 2 | 19.8 | 19.8 | 19.9 | 19.1 | 19.1 | 19.0 |
| | | 6 | 0 | 19.8 | 19.9 | 19.8 | 19.1 | 19.0 | 19.0 |

## OUTPUT POWER FOR LTE BAND 26 (3.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 26705 | 26740 | 26775 | 26705 | 26740 | 26775 |
| | | | | 815.5 | 819.0 | 822.5 | 815.5 | 819.0 | 822.5 |
| 3.0 | QPSK | 1 | 0 | 24.9 | 24.9 | 24.9 | 24.2 | 24.0 | 24.1 |
| | | 1 | 7 | 24.7 | 24.7 | 24.8 | 24.1 | 23.9 | 24.0 |
| | | 1 | 14 | **25.0** | 24.9 | 24.9 | **24.3** | 24.2 | 24.0 |
| | | 8 | 0 | 23.9 | 23.9 | 23.9 | 23.3 | 23.1 | 23.1 |
| | | 8 | 4 | 23.9 | 23.9 | 23.9 | 23.3 | 23.1 | 23.0 |
| | | 8 | 7 | 23.9 | 23.9 | 23.9 | 23.0 | 23.0 | 23.1 |
| | | 15 | 0 | 23.9 | 23.9 | 23.8 | 23.0 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | **24.1** | 23.7 | 23.9 | 23.2 | 23.0 | **23.3** |
| | | 1 | 7 | 24.0 | 23.7 | 23.9 | 23.1 | 22.9 | 23.1 |
| | | 1 | 14 | 24.0 | 23.6 | 23.8 | 23.1 | 22.9 | **23.3** |
| | | 8 | 0 | 22.9 | 22.9 | 22.9 | 22.1 | 22.1 | 22.1 |
| | | 8 | 4 | 22.9 | 22.9 | 22.9 | 22.1 | 22.1 | 22.0 |
| | | 8 | 7 | 22.9 | 22.9 | 22.9 | 22.0 | 22.0 | 22.1 |
| | | 15 | 0 | 22.9 | 22.9 | 22.9 | 22.0 | 22.1 | 22.0 |
| | 64QAM | 1 | 0 | 23.0 | 22.9 | 22.9 | 22.2 | 22.2 | 22.2 |
| | | 1 | 7 | 23.0 | 22.8 | 23.0 | 22.2 | 22.1 | 22.1 |
| | | 1 | 14 | **23.1** | 23.0 | 22.9 | 22.1 | 22.2 | **22.3** |
| | | 8 | 0 | 21.9 | 21.9 | 21.8 | 21.1 | 21.0 | 21.1 |
| | | 8 | 4 | 21.9 | 21.8 | 21.8 | 21.0 | 21.0 | 21.0 |
| | | 8 | 7 | 21.9 | 21.8 | 21.8 | 21.0 | 21.0 | 21.0 |
| | | 15 | 0 | 21.8 | 21.7 | 21.8 | 21.0 | 21.0 | 21.0 |
| | 256QAM | 1 | 0 | **20.0** | 19.9 | 19.8 | 19.1 | **19.4** | 19.1 |
| | | 1 | 7 | **20.0** | 19.8 | 19.7 | 19.1 | 19.3 | 18.8 |
| | | 1 | 14 | **20.0** | 19.8 | 19.7 | 19.1 | 19.3 | 19.0 |
| | | 8 | 0 | 20.0 | 19.9 | 19.8 | 19.0 | 19.2 | 19.1 |
| | | 8 | 4 | 19.9 | 19.9 | 19.8 | 19.0 | 19.1 | 19.0 |
| | | 8 | 7 | 19.9 | 19.9 | 19.8 | 19.0 | 19.1 | 19.0 |
| | | 15 | 0 | 19.9 | 19.9 | 19.8 | 19.0 | 19.1 | 19.1 |



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## OUTPUT POWER FOR LTE BAND 26 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 26715 | 26740 | 26765 | 26715 | 26740 | 26765 |
| | | | | 816.5 | 819.0 | 821.5 | 816.5 | 819.0 | 821.5 |
| 5.0 | QPSK | 1 | 0 | 24.7 | 24.7 | 24.7 | 23.9 | 24.0 | 24.0 |
| | | 1 | 12 | 24.7 | 24.7 | 24.7 | 23.9 | 23.9 | 23.9 |
| | | 1 | 24 | 24.7 | **24.7** | 24.7 | 23.9 | 24.0 | **24.0** |
| | | 12 | 0 | 23.7 | 23.8 | 23.7 | 23.0 | 23.0 | 23.0 |
| | | 12 | 6 | 23.7 | 23.8 | 23.7 | 22.9 | 23.0 | 23.0 |
| | | 12 | 11 | 23.7 | 23.8 | 23.7 | 22.9 | 23.0 | 23.0 |
| | | 25 | 0 | 23.7 | 23.8 | 23.7 | 22.9 | 23.0 | 23.0 |
| | 16QAM | 1 | 0 | 23.8 | **23.9** | 23.8 | 22.9 | **23.1** | 23.1 |
| | | 1 | 12 | 23.8 | 23.7 | 23.8 | 22.9 | 23.1 | 23.1 |
| | | 1 | 24 | 23.8 | 23.8 | 23.8 | 22.9 | 23.1 | 23.1 |
| | | 12 | 0 | 22.8 | 22.7 | 22.7 | 21.9 | 22.0 | 22.0 |
| | | 12 | 6 | 22.7 | 22.7 | 22.6 | 21.8 | 22.0 | 22.0 |
| | | 12 | 11 | 22.7 | 22.7 | 22.7 | 21.9 | 22.0 | 21.9 |
| | | 25 | 0 | 22.7 | 22.8 | 22.7 | 22.0 | 22.0 | 22.0 |
| | 64QAM | 1 | 0 | 23.0 | 22.9 | 22.9 | 22.2 | 22.2 | 22.2 |
| | | 1 | 12 | 23.0 | 22.9 | 22.8 | 22.1 | 22.1 | 22.2 |
| | | 1 | 24 | **23.1** | 22.9 | 22.9 | 22.2 | 22.2 | **22.2** |
| | | 12 | 0 | 21.7 | 21.7 | 21.7 | 20.9 | 21.0 | 21.0 |
| | | 12 | 6 | 21.7 | 21.7 | 21.7 | 20.9 | 21.0 | 21.0 |
| | | 12 | 11 | 21.7 | 21.7 | 21.7 | 20.9 | 21.0 | 21.0 |
| | | 25 | 0 | 21.7 | 21.7 | 21.6 | 20.9 | 21.0 | 21.0 |
| | 256QAM | 1 | 0 | 19.8 | **19.8** | 19.8 | **19.2** | **19.2** | 19.1 |
| | | 1 | 12 | 19.7 | 19.7 | 19.7 | 19.0 | 19.1 | 19.0 |
| | | 1 | 24 | 19.7 | 19.8 | 19.8 | 19.1 | 19.1 | 19.1 |
| | | 12 | 0 | 19.7 | 19.8 | 19.7 | 18.9 | 19.0 | 19.0 |
| | | 12 | 6 | 19.7 | 19.7 | 19.6 | 18.9 | 19.0 | 19.0 |
| | | 12 | 11 | 19.7 | 19.7 | 19.7 | 18.9 | 19.0 | 19.0 |
| | | 25 | 0 | 19.7 | 19.7 | 19.7 | 19.0 | 19.0 | 19.0 |

## OUTPUT POWER FOR LTE BAND 26 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | N/A | 26740 | N/A | N/A | 26740 | N/A |
| | | | | N/A | 819.0 | N/A | N/A | 819.0 | N/A |
| 10.0 | QPSK | 1 | 0 | | **24.7** | | | **24.1** | |
| | | 1 | 24 | | 24.5 | | | 24.0 | |
| | | 1 | 49 | | 24.7 | | | 24.0 | |
| | | 25 | 0 | | 23.7 | | | 23.1 | |
| | | 25 | 12 | | 23.6 | | | 23.0 | |
| | | 25 | 24 | | 23.6 | | | 23.0 | |
| | | 50 | 0 | | 23.7 | | | 23.1 | |
| | 16QAM | 1 | 0 | | **23.9** | | | **23.2** | |
| | | 1 | 24 | | **23.9** | | | 23.0 | |
| | | 1 | 49 | | 23.8 | | | 23.0 | |
| | | 25 | 0 | | 22.7 | | | 22.0 | |
| | | 25 | 12 | | 22.6 | | | 22.0 | |
| | | 25 | 24 | | 22.6 | | | 22.0 | |
| | | 50 | 0 | | 22.7 | | | 22.0 | |
| | 64QAM | 1 | 0 | | **22.9** | | | **22.2** | |
| | | 1 | 24 | | 22.9 | | | 22.2 | |
| | | 1 | 49 | | 22.8 | | | 22.0 | |
| | | 25 | 0 | | 21.7 | | | 21.1 | |
| | | 25 | 12 | | 21.7 | | | 21.0 | |
| | | 25 | 24 | | 21.7 | | | 21.0 | |
| | | 50 | 0 | | 21.6 | | | 21.0 | |
| | 256QAM | 1 | 0 | | 19.7 | | | **19.2** | |
| | | 1 | 24 | | 19.5 | | | 19.1 | |
| | | 1 | 49 | | 19.6 | | | 19.1 | |
| | | 25 | 0 | | **19.7** | | | 19.1 | |
| | | 25 | 12 | | 19.7 | | | 19.1 | |
| | | 25 | 24 | | 19.7 | | | 19.0 | |
| | | 50 | 0 | | 19.6 | | | 19.0 | |




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## 5G NR n26

| Test Engineer ID: | 19210AL | Test Date: | 2024-02-15 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n26 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 163300 | 163800 | 164300 | 163300 | 163800 | 164300 |
| | | | | 816.5 | 819.0 | 821.5 | 816.5 | 819.0 | 821.5 |
| 5.0 | BPSK | 1 | 0 | 23.8 | 23.8 | 23.7 | 23.3 | 23.5 | **23.8** |
| | | 1 | 1 | **24.4** | 24.3 | 24.2 | 23.5 | 23.6 | 23.8 |
| | | 1 | 23 | 24.3 | 24.2 | 24.2 | 23.5 | 23.6 | 23.8 |
| | | 1 | 24 | 23.9 | 23.7 | 23.6 | 23.4 | 23.4 | 23.8 |
| | | 12 | 6 | 24.2 | 24.3 | 24.2 | 23.6 | 23.5 | 23.8 |
| | | 25 | 0 | 23.7 | 23.8 | 23.7 | 23.4 | 23.3 | 23.7 |
| | QPSK | 1 | 0 | 23.3 | 23.2 | 23.3 | 22.8 | 22.9 | 23.4 |
| | | 1 | 1 | 24.3 | 24.2 | 24.2 | 23.5 | 23.6 | **23.6** |
| | | 1 | 23 | **24.3** | 24.2 | 24.2 | 23.6 | 23.5 | **23.6** |
| | | 1 | 24 | 23.3 | 23.2 | 23.3 | 22.8 | 22.8 | 23.3 |
| | | 12 | 6 | 24.2 | 24.3 | 24.2 | 23.5 | 23.5 | **23.6** |
| | | 25 | 0 | 23.2 | 23.3 | 23.2 | 22.7 | 22.9 | 23.4 |
| | 16QAM | 1 | 0 | 22.0 | 22.3 | 22.0 | 22.0 | 22.1 | 22.6 |
| | | 1 | 1 | 23.3 | 23.4 | **23.5** | 22.7 | **22.9** | **22.9** |
| | | 1 | 23 | 23.3 | 23.3 | 23.4 | 22.7 | 22.8 | **22.9** |
| | | 1 | 24 | 22.1 | 22.2 | 22.6 | 21.5 | 21.7 | 22.6 |
| | | 12 | 6 | 23.2 | 23.3 | 23.3 | 22.8 | 22.8 | **22.9** |
| | | 25 | 0 | 22.3 | 22.2 | 22.0 | 21.8 | 21.8 | 22.2 |
| | 64QAM | 1 | 0 | 21.7 | 21.9 | 21.8 | **21.8** | 21.1 | 21.7 |
| | | 1 | 1 | 21.9 | 21.6 | 21.9 | 21.0 | 21.6 | 21.8 |
| | | 1 | 23 | 21.8 | 21.9 | 21.9 | 21.5 | 21.7 | 21.8 |
| | | 1 | 24 | 21.9 | 21.6 | **22.1** | 21.3 | 21.6 | 21.7 |
| | | 12 | 6 | 21.7 | 21.7 | 21.7 | 21.3 | 21.5 | 21.7 |
| | | 25 | 0 | 21.7 | 21.8 | 21.7 | 21.3 | 21.3 | 21.7 |
| | 256QAM | 1 | 0 | 19.9 | 19.4 | 19.6 | 19.3 | 18.9 | **20.2** |
| | | 1 | 1 | 19.8 | **20.2** | 19.8 | 19.4 | 19.7 | 19.6 |
| | | 1 | 23 | 19.9 | 19.4 | 19.7 | 19.6 | 19.1 | 19.8 |
| | | 1 | 24 | 19.8 | 20.1 | 20.0 | 19.7 | 19.4 | 19.9 |
| | | 12 | 6 | 19.7 | 19.8 | 19.6 | 19.5 | 19.3 | 19.8 |
| | | 25 | 0 | 19.7 | 19.8 | 19.7 | 19.5 | 19.4 | 19.8 |

## OUTPUT POWER FOR 5G NR n26 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | N/A | 163800 | N/A | N/A | 163800 | N/A |
| | | | | N/A | 819.0 | N/A | N/A | 819.0 | N/A |
| 10.0 | BPSK | 1 | 0 | | 23.8 | | | 23.3 | |
| | | 1 | 1 | | 24.2 | | | 23.5 | |
| | | 1 | 50 | | 24.2 | | | 23.4 | |
| | | 1 | 51 | | 23.8 | | | 23.3 | |
| | | 25 | 12 | | **24.3** | | | **23.5** | |
| | | 50 | 0 | | 23.8 | | | 23.2 | |
| | QPSK | 1 | 0 | | 23.2 | | | 22.8 | |
| | | 1 | 1 | | 24.2 | | | 23.5 | |
| | | 1 | 50 | | 24.2 | | | **23.5** | |
| | | 1 | 51 | | 23.3 | | | 22.8 | |
| | | 25 | 12 | | **24.3** | | | 23.5 | |
| | | 50 | 0 | | 23.3 | | | 22.7 | |
| | 16QAM | 1 | 0 | | 22.1 | | | 21.8 | |
| | | 1 | 1 | | 23.0 | | | **22.7** | |
| | | 1 | 50 | | 23.1 | | | 22.7 | |
| | | 1 | 51 | | 22.2 | | | 21.7 | |
| | | 25 | 12 | | **23.2** | | | **22.7** | |
| | | 50 | 0 | | 22.3 | | | 21.8 | |
| | 64QAM | 1 | 0 | | 21.9 | | | 21.1 | |
| | | 1 | 1 | | 22.0 | | | 21.2 | |
| | | 1 | 50 | | **22.1** | | | 21.0 | |
| | | 1 | 51 | | 21.6 | | | **21.4** | |
| | | 25 | 12 | | 21.8 | | | 21.2 | |
| | | 50 | 0 | | 21.8 | | | 21.3 | |
| | 256QAM | 1 | 0 | | 19.4 | | | 19.5 | |
| | | 1 | 1 | | 19.6 | | | 19.5 | |
| | | 1 | 50 | | 19.7 | | | **19.6** | |
| | | 1 | 51 | | 19.8 | | | 19.3 | |
| | | 25 | 12 | | 19.8 | | | 19.5 | |
| | | 50 | 0 | | **19.9** | | | 19.4 | |




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# 8.9. LTE BAND 26 AND 5G NR n26 (Part 22)

## LTE BAND 26

| Test Engineer ID: | 28529JB and 39005RA | Test Date: | 2024-01-22 to 2024-04-02 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 26 (1.4 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 26797 | 26915 | 27033 | 26797 | 26915 | 27033 |
| | | | | 824.7 | 836.5 | 848.3 | 824.7 | 836.5 | 848.3 |
| 1.4 | QPSK | 1 | 0 | **24.5** | 24.4 | 24.4 | **24.1** | 24.0 | 24.0 |
| | | 1 | 2 | 24.4 | 24.3 | 24.3 | 23.9 | 23.8 | 23.8 |
| | | 1 | 5 | 24.5 | 24.4 | 24.4 | 24.0 | 24.0 | 23.9 |
| | | 3 | 0 | 23.4 | 23.3 | 23.3 | 24.0 | 23.9 | 23.9 |
| | | 3 | 1 | 23.4 | 23.2 | 23.3 | 24.0 | 23.9 | 23.9 |
| | | 3 | 2 | 23.4 | 23.2 | 23.2 | 23.9 | 23.9 | 23.9 |
| | | 6 | 0 | 23.5 | 23.3 | 23.4 | 23.0 | 23.0 | 23.0 |
| | 16QAM | 1 | 0 | 23.6 | 23.5 | 23.5 | 23.2 | 23.1 | 23.2 |
| | | 1 | 2 | **23.8** | 23.6 | 23.5 | 23.1 | 23.2 | 23.2 |
| | | 1 | 5 | 23.7 | 23.5 | 23.6 | 23.0 | **23.3** | 23.2 |
| | | 3 | 0 | 23.6 | 23.5 | 23.4 | 23.0 | 23.0 | 23.0 |
| | | 3 | 1 | 23.5 | 23.4 | 23.3 | 23.0 | 23.0 | 22.9 |
| | | 3 | 2 | 23.5 | 23.3 | 23.4 | 23.0 | 23.1 | 23.0 |
| | | 6 | 0 | 22.9 | 22.7 | 22.7 | 22.1 | 22.0 | 22.0 |
| | 64QAM | 1 | 0 | 22.9 | 22.8 | 23.1 | 22.2 | **22.3** | 22.2 |
| | | 1 | 2 | 22.8 | 22.8 | 22.6 | 22.2 | 22.0 | 22.0 |
| | | 1 | 5 | 22.9 | 22.8 | **23.1** | 22.2 | 22.2 | 22.0 |
| | | 3 | 0 | 23.0 | 22.8 | 22.9 | 22.2 | 22.1 | 21.9 |
| | | 3 | 1 | 23.0 | 22.8 | 22.9 | 21.9 | 21.9 | 21.9 |
| | | 3 | 2 | 23.0 | 22.8 | 22.9 | 21.9 | 22.0 | 21.8 |
| | | 6 | 0 | 21.7 | 21.6 | 21.5 | 20.9 | 21.0 | 21.0 |
| | 256QAM | 1 | 0 | 20.0 | 19.7 | **20.1** | **19.7** | **19.7** | 19.2 |
| | | 1 | 2 | 20.0 | 19.7 | 20.0 | **19.7** | 19.7 | 19.1 |
| | | 1 | 5 | 20.0 | 19.7 | 20.0 | **19.7** | **19.7** | 19.1 |
| | | 3 | 0 | 19.9 | 19.7 | 19.9 | **19.7** | 19.6 | 19.0 |
| | | 3 | 1 | 19.9 | 19.6 | 19.9 | **19.7** | 19.6 | 19.0 |
| | | 3 | 2 | 19.9 | 19.6 | 19.9 | **19.7** | 19.6 | 18.9 |
| | | 6 | 0 | 19.8 | 19.8 | 19.8 | 19.7 | **19.7** | 19.0 |

## OUTPUT POWER FOR LTE BAND 26 (3.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 26805 | 26915 | 27025 | 26805 | 26915 | 27025 |
| | | | | 825.5 | 836.5 | 847.5 | 825.5 | 836.5 | 847.5 |
| 3.0 | QPSK | 1 | 0 | 24.4 | 24.4 | 24.3 | 24.1 | 24.0 | 24.0 |
| | | 1 | 7 | 24.4 | 24.3 | 24.3 | 24.0 | 24.0 | 23.9 |
| | | 1 | 14 | **24.5** | 24.4 | 24.4 | **24.1** | 24.1 | 24.1 |
| | | 8 | 0 | 23.5 | 23.4 | 23.4 | 23.0 | 23.0 | 23.0 |
| | | 8 | 4 | 23.5 | 23.4 | 23.4 | 23.0 | 23.0 | 23.0 |
| | | 8 | 7 | 23.5 | 23.4 | 23.4 | 23.0 | 23.0 | 23.0 |
| | | 15 | 0 | 23.5 | 23.3 | 23.3 | 23.0 | 23.0 | 23.0 |
| | 16QAM | 1 | 0 | 23.6 | **23.7** | **23.7** | 23.3 | 23.3 | 23.3 |
| | | 1 | 7 | 23.5 | 23.6 | 23.6 | 23.2 | 23.2 | **23.3** |
| | | 1 | 14 | 23.5 | 23.7 | 23.7 | 23.2 | 23.2 | 23.3 |
| | | 8 | 0 | 22.9 | 22.8 | 22.7 | 22.1 | 22.0 | 22.0 |
| | | 8 | 4 | 22.9 | 22.7 | 22.7 | 22.0 | 21.9 | 21.9 |
| | | 8 | 7 | 22.8 | 22.7 | 22.7 | 22.0 | 21.9 | 21.9 |
| | | 15 | 0 | 22.8 | 22.7 | 22.7 | 21.9 | 22.0 | 22.0 |
| | 64QAM | 1 | 0 | 22.9 | 22.8 | 22.6 | 22.0 | 22.1 | 22.0 |
| | | 1 | 7 | 22.8 | 22.7 | 22.6 | 21.9 | 22.1 | 21.9 |
| | | 1 | 14 | **22.9** | 22.9 | 22.5 | 21.9 | **22.2** | 22.0 |
| | | 8 | 0 | 21.8 | 21.7 | 21.7 | 21.0 | 21.0 | 21.0 |
| | | 8 | 4 | 21.8 | 21.7 | 21.6 | 21.0 | 20.9 | 21.0 |
| | | 8 | 7 | 21.8 | 21.7 | 21.7 | 20.9 | 21.0 | 21.0 |
| | | 15 | 0 | 21.8 | 21.7 | 21.6 | 21.0 | 20.9 | 21.0 |
| | 256QAM | 1 | 0 | 20.0 | **20.1** | 19.8 | **19.7** | **19.7** | 19.2 |
| | | 1 | 7 | 20.0 | 19.9 | 19.8 | **19.7** | **19.7** | 19.1 |
| | | 1 | 14 | 20.0 | 20.0 | 19.8 | **19.7** | **19.7** | 19.1 |
| | | 8 | 0 | 19.9 | 19.7 | 19.7 | **19.7** | 19.7 | 19.2 |
| | | 8 | 4 | 19.8 | 19.7 | 19.6 | **19.7** | 19.7 | 19.1 |
| | | 8 | 7 | 19.9 | 19.7 | 19.6 | **19.7** | 19.6 | 19.1 |
| | | 15 | 0 | 19.8 | 19.7 | 19.7 | 19.7 | **19.7** | 19.1 |



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## OUTPUT POWER FOR LTE BAND 26 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 26815 | 26915 | 27015 | 26815 | 26915 | 27015 |
| | | | | 826.5 | 836.5 | 846.5 | 826.5 | 836.5 | 846.5 |
| 5.0 | QPSK | 1 | 0 | **24.5** | 24.4 | 24.4 | 24.0 | **24.0** | 24.0 |
| | | 1 | 12 | 24.3 | 24.3 | 24.3 | 24.0 | 24.0 | 24.0 |
| | | 1 | 24 | 24.4 | 24.4 | 24.4 | 24.0 | 24.0 | 23.9 |
| | | 12 | 0 | 23.4 | 23.4 | 23.4 | 23.0 | 23.0 | 23.0 |
| | | 12 | 6 | 23.4 | 23.4 | 23.4 | 22.9 | 23.0 | 22.9 |
| | | 12 | 11 | 23.4 | 23.4 | 23.4 | 22.9 | 23.0 | 22.9 |
| | | 25 | 0 | 23.4 | 23.4 | 23.4 | 22.9 | 23.0 | 22.9 |
| | 16QAM | 1 | 0 | 23.9 | **23.9** | 23.7 | 23.3 | **23.4** | 23.3 |
| | | 1 | 12 | 23.8 | 23.8 | 23.7 | 23.2 | 23.2 | 23.1 |
| | | 1 | 24 | 23.9 | 23.8 | 23.8 | 23.3 | 23.3 | 23.1 |
| | | 12 | 0 | 22.7 | 22.8 | 22.6 | 22.1 | 22.1 | 22.0 |
| | | 12 | 6 | 22.6 | 22.8 | 22.6 | 22.1 | 22.0 | 22.0 |
| | | 12 | 11 | 22.6 | 22.7 | 22.6 | 22.0 | 22.0 | 22.0 |
| | | 25 | 0 | 22.8 | 22.8 | 22.8 | 22.0 | 21.9 | 22.0 |
| | 64QAM | 1 | 0 | **23.0** | 23.0 | 22.8 | 22.1 | 22.0 | 22.1 |
| | | 1 | 12 | 22.8 | 23.0 | 22.8 | 22.0 | 22.1 | 22.2 |
| | | 1 | 24 | 22.9 | 23.0 | 22.9 | 21.9 | 22.1 | **22.2** |
| | | 12 | 0 | 21.6 | 21.7 | 21.6 | 20.9 | 21.1 | 21.0 |
| | | 12 | 6 | 21.6 | 21.7 | 21.6 | 20.9 | 21.0 | 21.0 |
| | | 12 | 11 | 21.6 | 21.7 | 21.5 | 20.9 | 21.0 | 20.9 |
| | | 25 | 0 | 21.9 | 21.7 | 21.7 | 20.9 | 21.0 | 21.0 |
| | 256QAM | 1 | 0 | 19.9 | 19.8 | **20.1** | **19.7** | **19.7** | 19.3 |
| | | 1 | 12 | 19.9 | 19.8 | 20.0 | **19.7** | 19.7 | 19.1 |
| | | 1 | 24 | 19.8 | 19.8 | 19.9 | **19.7** | 19.7 | 19.1 |
| | | 12 | 0 | 19.8 | 19.8 | 19.8 | **19.7** | 19.7 | 19.2 |
| | | 12 | 6 | 19.8 | 19.7 | 19.8 | **19.7** | 19.6 | 19.2 |
| | | 12 | 11 | 19.8 | 19.7 | 19.7 | 19.7 | 19.6 | 19.2 |
| | | 25 | 0 | 19.8 | 19.7 | 19.7 | 19.6 | 19.7 | 19.1 |

## OUTPUT POWER FOR LTE BAND 26 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 26840 | 26915 | 26990 | 26840 | 26915 | 26990 |
| | | | | 829.0 | 836.5 | 844.0 | 829.0 | 836.5 | 844.0 |
| 10.0 | QPSK | 1 | 0 | 24.5 | 24.5 | **24.5** | **24.1** | **24.1** | 24.0 |
| | | 1 | 24 | 24.4 | 24.4 | 24.4 | 24.0 | 24.0 | 23.9 |
| | | 1 | 49 | 24.4 | 24.4 | 24.4 | 24.0 | 23.9 | 24.0 |
| | | 25 | 0 | 23.5 | 23.5 | 23.4 | 23.0 | 23.0 | 23.0 |
| | | 25 | 12 | 23.5 | 23.4 | 23.4 | 22.9 | 23.0 | 23.0 |
| | | 25 | 24 | 23.4 | 23.4 | 23.4 | 22.9 | 22.9 | 23.0 |
| | | 50 | 0 | 23.5 | 23.4 | 23.4 | 22.9 | 23.0 | 23.0 |
| | 16QAM | 1 | 0 | 23.8 | 23.9 | 23.7 | 23.2 | 23.3 | **23.4** |
| | | 1 | 24 | 23.8 | **23.9** | 23.8 | 23.2 | 23.2 | 23.3 |
| | | 1 | 49 | 23.7 | 23.7 | 23.6 | 23.1 | 23.2 | 23.2 |
| | | 25 | 0 | 22.8 | 22.8 | 22.8 | 22.0 | 22.0 | 22.0 |
| | | 25 | 12 | 22.8 | 22.8 | 22.7 | 22.0 | 21.9 | 22.0 |
| | | 25 | 24 | 22.8 | 22.8 | 22.7 | 21.9 | 21.9 | 21.9 |
| | | 50 | 0 | 22.8 | 22.8 | 22.7 | 22.0 | 21.9 | 22.0 |
| | 64QAM | 1 | 0 | **23.1** | 23.1 | 22.9 | **22.1** | 22.1 | 22.1 |
| | | 1 | 24 | 23.0 | 23.1 | 23.0 | 22.0 | 22.0 | 22.0 |
| | | 1 | 49 | 23.1 | 22.9 | 22.8 | 22.0 | 22.0 | 22.0 |
| | | 25 | 0 | 21.9 | 21.8 | 21.7 | 21.0 | 21.0 | 21.0 |
| | | 25 | 12 | 21.8 | 21.8 | 21.7 | 20.9 | 21.0 | 21.0 |
| | | 25 | 24 | 21.8 | 21.7 | 21.6 | 20.9 | 20.9 | 20.9 |
| | | 50 | 0 | 21.8 | 21.8 | 21.7 | 20.9 | 20.9 | 20.9 |
| | 256QAM | 1 | 0 | 19.8 | 19.6 | **20.0** | **19.7** | **19.7** | 19.4 |
| | | 1 | 24 | 19.9 | 19.5 | 19.9 | 19.6 | **19.7** | 19.3 |
| | | 1 | 49 | 19.7 | 19.5 | 19.9 | 19.6 | **19.7** | 19.2 |
| | | 25 | 0 | 19.9 | 19.8 | 19.8 | **19.7** | **19.7** | 19.3 |
| | | 25 | 12 | 19.9 | 19.8 | 19.7 | **19.7** | **19.7** | 19.2 |
| | | 25 | 24 | 19.8 | 19.7 | 19.7 | 19.7 | 19.7 | 19.2 |
| | | 50 | 0 | 19.8 | 19.7 | 19.7 | 19.7 | 19.7 | 19.1 |



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## OUTPUT POWER FOR LTE BAND 26 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 26865 | 26915 | 26965 | 26865 | 26915 | 26965 |
| | | | | 831.5 | 836.5 | 841.5 | 831.5 | 836.5 | 841.5 |
| 10.0 | QPSK | 1 | 0 | **24.4** | 24.0 | 24.4 | **24.2** | 24.1 | 24.1 |
| | | 1 | 24 | 24.1 | 23.8 | 24.4 | 24.0 | 23.9 | 23.9 |
| | | 1 | 49 | 24.3 | 23.8 | 24.3 | 24.0 | 24.0 | 24.0 |
| | | 25 | 0 | 23.5 | 23.0 | 23.5 | 23.2 | 23.0 | 23.2 |
| | | 25 | 12 | 23.4 | 23.0 | 23.5 | 23.1 | 22.9 | 23.1 |
| | | 25 | 24 | 23.4 | 22.9 | 23.4 | 23.1 | 22.9 | 23.1 |
| | | 50 | 0 | 23.4 | 23.0 | 23.5 | 23.1 | 22.9 | 23.1 |
| | 16QAM | 1 | 0 | **23.5** | 23.3 | 23.4 | 23.3 | **23.3** | 23.3 |
| | | 1 | 24 | 23.3 | 23.1 | 23.3 | 23.2 | 23.1 | 23.1 |
| | | 1 | 49 | 23.3 | 23.1 | 23.2 | 23.1 | 23.1 | 23.1 |
| | | 25 | 0 | 22.3 | 22.2 | 22.4 | 22.1 | 22.3 | 22.1 |
| | | 25 | 12 | 22.3 | 22.2 | 22.3 | 22.1 | 22.3 | 22.1 |
| | | 25 | 24 | 22.3 | 22.1 | 22.3 | 22.0 | 22.2 | 22.0 |
| | | 50 | 0 | 22.3 | 22.2 | 22.4 | 22.1 | 22.2 | 22.1 |
| | 64QAM | 1 | 0 | **22.4** | **22.4** | **22.4** | **22.4** | 22.3 | 22.4 |
| | | 1 | 24 | 22.2 | 22.3 | 22.3 | 22.1 | 22.0 | 22.1 |
| | | 1 | 49 | **22.4** | 22.4 | 22.4 | 22.4 | 22.1 | 22.2 |
| | | 25 | 0 | 21.3 | 21.2 | 21.3 | 21.1 | 21.3 | 21.1 |
| | | 25 | 12 | 21.3 | 21.2 | 21.3 | 21.0 | 21.3 | 21.1 |
| | | 25 | 24 | 21.2 | 21.1 | 21.3 | 21.0 | 21.2 | 21.0 |
| | | 50 | 0 | 21.3 | 21.2 | 21.3 | 21.1 | 21.2 | 21.1 |
| | 256QAM | 1 | 0 | 19.9 | **20.1** | 20.0 | 19.3 | **19.4** | 19.4 |
| | | 1 | 24 | 19.8 | 20.0 | 20.0 | 19.2 | 19.2 | 19.2 |
| | | 1 | 49 | 19.8 | 19.9 | 19.9 | 19.2 | 19.2 | 19.2 |
| | | 25 | 0 | 19.9 | 19.8 | 19.9 | 19.1 | 19.3 | 19.0 |
| | | 25 | 12 | 19.9 | 19.7 | 19.9 | 19.0 | 19.2 | 19.0 |
| | | 25 | 24 | 19.8 | 19.7 | 19.8 | 19.0 | 19.2 | 19.0 |
| | | 50 | 0 | 19.9 | 19.7 | 19.9 | 19.0 | 19.2 | 19.0 |



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## 5G NR n26

| Test Engineer ID: | 19210AL and 32934IG | Test Date: | 2024-02-15 to 2024-04-09 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n26 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 165300 | 167300 | 169300 | 165300 | 167300 | 169300 |
| | | | | 826.5 | 836.5 | 846.5 | 826.5 | 836.5 | 846.5 |
| 5.0 | BPSK | 1 | 0 | 23.9 | 23.8 | 23.8 | 23.4 | 23.2 | 23.3 |
| | | 1 | 1 | 24.3 | 24.2 | 24.3 | **23.6** | 23.5 | 23.4 |
| | | 1 | 23 | 24.3 | **24.4** | 24.3 | 23.5 | 23.5 | 23.5 |
| | | 1 | 24 | 23.9 | 23.9 | 23.8 | 23.4 | 23.3 | 23.2 |
| | | 12 | 6 | 24.3 | 24.4 | 24.3 | 23.6 | 23.5 | 23.6 |
| | | 25 | 0 | 23.8 | 23.8 | 23.8 | 23.4 | 23.2 | 23.2 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.3 | 22.9 | 22.7 | 22.9 |
| | | 1 | 1 | 24.4 | 24.4 | 24.3 | 23.6 | 23.4 | 23.5 |
| | | 1 | 23 | 24.4 | **24.4** | 24.4 | 23.5 | 23.5 | 23.5 |
| | | 1 | 24 | 23.2 | 23.5 | 23.4 | 22.8 | 22.9 | 22.8 |
| | | 12 | 6 | 24.3 | 24.4 | 24.4 | **23.6** | 23.4 | 23.5 |
| | | 25 | 0 | 23.3 | 23.4 | 23.3 | 22.9 | 22.7 | 22.7 |
| | 16QAM | 1 | 0 | 22.3 | 22.3 | 22.7 | 21.9 | 21.5 | 21.7 |
| | | 1 | 1 | **23.5** | 23.4 | 23.3 | 22.8 | 22.4 | 23.1 |
| | | 1 | 23 | 23.4 | 23.4 | 23.3 | 22.9 | 22.8 | **23.3** |
| | | 1 | 24 | 22.5 | 22.6 | 22.3 | 22.0 | 21.6 | 22.0 |
| | | 12 | 6 | 23.4 | 23.3 | 23.4 | 22.9 | 22.7 | 22.8 |
| | | 25 | 0 | 22.3 | 22.2 | 22.3 | 21.9 | 21.7 | 21.8 |
| | 64QAM | 1 | 0 | 21.6 | 22.0 | 21.7 | 21.3 | 21.3 | 21.4 |
| | | 1 | 1 | 21.7 | 22.0 | 21.9 | 21.2 | 21.4 | 21.0 |
| | | 1 | 23 | 22.0 | 22.0 | 22.0 | 21.2 | 21.2 | 21.2 |
| | | 1 | 24 | 21.9 | **22.1** | 21.8 | 21.1 | 20.5 | 21.4 |
| | | 12 | 6 | 21.8 | 21.8 | 21.8 | **21.6** | 21.2 | 21.3 |
| | | 25 | 0 | 21.8 | 21.8 | 21.9 | 21.4 | 21.2 | 21.2 |
| | 256QAM | 1 | 0 | 19.9 | 19.5 | 19.9 | 19.7 | 19.0 | **19.8** |
| | | 1 | 1 | 19.8 | 19.5 | 19.6 | 19.2 | 19.1 | 19.6 |
| | | 1 | 23 | 19.6 | 20.0 | 19.6 | 19.5 | 19.7 | 19.2 |
| | | 1 | 24 | 19.8 | 19.7 | **20.1** | 19.6 | 18.9 | 19.0 |
| | | 12 | 6 | 19.9 | 19.8 | 19.9 | 19.4 | 19.2 | 19.3 |
| | | 25 | 0 | 19.7 | 19.7 | 19.9 | 19.3 | 19.2 | 19.2 |

## OUTPUT POWER FOR 5G NR n26 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 165800 | 167300 | 168800 | 165800 | 167300 | 168800 |
| | | | | 829.0 | 836.5 | 844.0 | 829.0 | 836.5 | 844.0 |
| 10.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 24.0 | 23.4 | 23.5 | 23.4 |
| | | 1 | 1 | 24.4 | **24.4** | **24.4** | 23.6 | **23.7** | 23.5 |
| | | 1 | 50 | 24.3 | 24.3 | 24.4 | 23.5 | 23.6 | 23.4 |
| | | 1 | 51 | 23.7 | 23.9 | 23.9 | 23.3 | 23.3 | 23.2 |
| | | 25 | 12 | 24.3 | 24.3 | 24.4 | 23.6 | 23.4 | 23.5 |
| | | 50 | 0 | 23.8 | 23.9 | 23.8 | 23.3 | 23.4 | 23.3 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.4 | 22.8 | 22.8 | 22.7 |
| | | 1 | 1 | 24.4 | 24.4 | 24.3 | 23.6 | **23.6** | 23.4 |
| | | 1 | 50 | 24.3 | 24.3 | 24.3 | 23.5 | 23.5 | 23.5 |
| | | 1 | 51 | 23.3 | 23.3 | 23.3 | 22.9 | 22.7 | 22.7 |
| | | 25 | 12 | 24.3 | 24.4 | **24.4** | **23.6** | 23.5 | 23.4 |
| | | 50 | 0 | 23.3 | 23.4 | 23.3 | 22.8 | 22.7 | 22.8 |
| | 16QAM | 1 | 0 | 22.5 | 22.4 | 22.3 | 21.8 | 21.7 | 21.7 |
| | | 1 | 1 | 23.2 | 23.6 | **23.6** | **23.2** | 22.9 | 22.9 |
| | | 1 | 50 | 23.6 | 23.3 | 23.3 | 22.7 | **23.2** | 22.8 |
| | | 1 | 51 | 22.6 | 22.6 | 22.1 | 22.0 | 21.6 | 21.7 |
| | | 25 | 12 | 23.3 | 23.3 | 23.5 | 22.9 | 22.9 | 22.7 |
| | | 50 | 0 | 22.2 | 22.4 | 22.3 | 21.9 | 21.8 | 21.7 |
| | 64QAM | 1 | 0 | 21.9 | 21.7 | 21.8 | 21.5 | 21.5 | 21.3 |
| | | 1 | 1 | 21.6 | 21.8 | 21.8 | 21.4 | **21.7** | 21.4 |
| | | 1 | 50 | 21.8 | 21.8 | 21.9 | 21.3 | 21.4 | 21.4 |
| | | 1 | 51 | 21.9 | **22.2** | 22.0 | 21.4 | 21.2 | 21.2 |
| | | 25 | 12 | 21.8 | 21.8 | 22.0 | 21.4 | 21.2 | 21.2 |
| | | 50 | 0 | 21.9 | 21.9 | 21.9 | 21.3 | 21.3 | 21.3 |
| | 256QAM | 1 | 0 | 20.1 | 19.9 | **20.2** | **19.9** | 19.3 | 19.1 |
| | | 1 | 1 | 20.0 | 19.6 | 20.1 | 19.8 | 19.3 | 19.1 |
| | | 1 | 50 | 20.0 | 20.2 | 20.1 | 19.2 | 18.9 | 19.1 |
| | | 1 | 51 | 19.8 | 19.7 | 19.6 | 19.1 | 18.8 | 19.3 |
| | | 25 | 12 | 19.9 | 19.8 | 19.8 | 19.3 | 19.2 | 19.2 |
| | | 50 | 0 | 19.8 | 19.8 | 19.9 | 19.4 | 19.2 | 19.2 |



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## OUTPUT POWER FOR 5G NR n26 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 166300 | 167300 | 168300 | 166300 | 167300 | 168300 |
| | | | | 831.5 | 836.5 | 841.5 | 831.5 | 836.5 | 841.5 |
| 15.0 | BPSK | 1 | 0 | 23.9 | 23.8 | 23.9 | 23.7 | 23.6 | 23.4 |
| | | 1 | 1 | **24.4** | 24.3 | 24.3 | **24.1** | 24.1 | **24.1** |
| | | 1 | 77 | 24.4 | 24.3 | 24.2 | 24.0 | 23.6 | 23.9 |
| | | 1 | 78 | 23.8 | 23.6 | 23.6 | 23.6 | 23.3 | 23.3 |
| | | 36 | 18 | 24.3 | 24.3 | 24.3 | 24.1 | 24.0 | 24.1 |
| | | 75 | 0 | 23.8 | 23.8 | 23.8 | 23.6 | 23.6 | 23.6 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.1 | 23.2 | 23.1 | 22.9 |
| | | 1 | 1 | 24.2 | 24.4 | 24.2 | **24.2** | 24.1 | 23.9 |
| | | 1 | 77 | **24.4** | 24.3 | 24.1 | 24.2 | 24.0 | 23.9 |
| | | 1 | 78 | 23.3 | 23.3 | 23.1 | 23.2 | 23.1 | 22.9 |
| | | 36 | 18 | 24.3 | 24.3 | 24.3 | 24.1 | 24.1 | 24.1 |
| | | 75 | 0 | 23.3 | 23.3 | 23.3 | 23.1 | 23.1 | 23.0 |
| | 16QAM | 1 | 0 | 22.1 | 22.3 | 22.4 | 22.0 | 22.0 | 22.1 |
| | | 1 | 1 | 23.2 | 23.3 | 23.4 | 22.9 | 23.0 | 23.1 |
| | | 1 | 77 | 23.1 | 23.2 | **23.4** | 23.0 | 23.0 | 23.1 |
| | | 1 | 78 | 22.2 | 22.0 | 22.3 | 22.0 | 21.9 | 22.0 |
| | | 36 | 18 | 23.3 | 23.3 | 23.3 | **23.1** | 23.1 | 23.1 |
| | | 75 | 0 | 22.3 | 22.3 | 22.3 | 22.1 | 22.0 | 22.0 |
| | 64QAM | 1 | 0 | 21.9 | 21.7 | 21.8 | 21.9 | 21.6 | 21.4 |
| | | 1 | 1 | 21.8 | 21.6 | 21.6 | **21.9** | 21.6 | 21.5 |
| | | 1 | 77 | 21.9 | 21.6 | 21.6 | 21.8 | 21.6 | 21.5 |
| | | 1 | 78 | 21.7 | 21.6 | **22.0** | 21.9 | 21.5 | 21.4 |
| | | 36 | 18 | 21.8 | 21.7 | 21.8 | 21.6 | 21.6 | 21.5 |
| | | 75 | 0 | 21.8 | 21.8 | 21.9 | 21.6 | 21.6 | 21.6 |
| | 256QAM | 1 | 0 | 19.9 | 19.5 | 19.8 | 19.4 | 19.5 | 19.6 |
| | | 1 | 1 | 19.8 | 19.4 | 19.9 | 19.4 | 19.6 | 19.6 |
| | | 1 | 77 | 19.7 | 19.6 | **20.1** | 19.4 | 19.3 | 19.6 |
| | | 1 | 78 | 20.0 | 19.5 | 19.9 | 19.4 | 19.6 | 19.6 |
| | | 36 | 18 | 19.8 | 19.8 | 19.9 | 19.6 | 19.6 | **19.7** |
| | | 75 | 0 | 19.8 | 19.9 | 19.9 | **19.7** | 19.6 | 19.6 |

## OUTPUT POWER FOR 5G NR n26 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 166800 | 167300 | 167800 | 166800 | 167300 | 167800 |
| | | | | 834 | 836.5 | 839.0 | 834 | 836.5 | 839.0 |
| 20.0 | BPSK | 1 | 0 | 23.7 | 23.8 | 23.8 | 23.6 | 23.6 | 23.5 |
| | | 1 | 1 | 24.2 | **24.3** | 24.3 | 23.9 | **24.1** | 24.1 |
| | | 1 | 104 | 24.2 | 24.2 | 24.2 | 23.8 | 23.9 | 24.0 |
| | | 1 | 105 | 23.5 | 23.6 | 23.6 | 23.3 | 23.4 | 23.3 |
| | | 50 | 25 | 24.3 | 24.3 | 24.3 | 24.1 | 24.1 | 24.0 |
| | | 100 | 0 | 23.8 | 23.8 | 23.8 | 23.6 | 23.6 | 23.5 |
| | QPSK | 1 | 0 | 23.4 | 23.3 | 23.4 | 23.1 | 23.1 | 23.2 |
| | | 1 | 1 | 24.0 | **24.3** | 24.3 | 24.1 | 24.2 | **24.2** |
| | | 1 | 104 | 24.3 | 24.3 | 24.2 | 24.0 | 23.9 | 24.0 |
| | | 1 | 105 | 23.4 | 23.3 | 23.1 | 23.0 | 23.1 | 23.0 |
| | | 50 | 25 | 24.3 | 24.3 | 24.3 | 24.0 | 24.0 | 24.0 |
| | | 100 | 0 | 23.3 | 23.3 | 23.3 | 23.1 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | 22.1 | 22.5 | 22.3 | 22.3 | 21.9 | 22.2 |
| | | 1 | 1 | 23.2 | **23.4** | 23.3 | 23.0 | **23.2** | 23.0 |
| | | 1 | 104 | 23.3 | 23.3 | 23.3 | 23.0 | 23.2 | 23.1 |
| | | 1 | 105 | 22.4 | 22.2 | 22.3 | 22.0 | 22.3 | 21.9 |
| | | 50 | 25 | 23.3 | 23.3 | 23.4 | 23.0 | 23.0 | 23.1 |
| | | 100 | 0 | 22.3 | 22.3 | 22.3 | 22.0 | 22.0 | 22.0 |
| | 64QAM | 1 | 0 | 21.9 | 21.7 | 21.7 | **21.7** | 21.7 | 21.6 |
| | | 1 | 1 | 21.8 | 21.7 | **22.0** | 21.6 | 21.6 | 21.5 |
| | | 1 | 104 | 21.9 | 21.5 | 21.9 | 21.5 | 21.7 | 21.7 |
| | | 1 | 105 | 21.8 | 21.6 | 21.9 | 21.6 | 21.5 | 21.7 |
| | | 50 | 25 | 21.8 | 21.8 | 21.8 | 21.5 | 21.6 | 21.5 |
| | | 100 | 0 | 21.8 | 21.8 | 21.8 | 21.6 | 21.5 | 21.6 |
| | 256QAM | 1 | 0 | 19.7 | 19.7 | 19.9 | **19.7** | 19.7 | 19.5 |
| | | 1 | 1 | 19.5 | **20.1** | 19.9 | 19.3 | 19.7 | 19.5 |
| | | 1 | 104 | 19.6 | 19.8 | 19.7 | 19.4 | 19.4 | 19.4 |
| | | 1 | 105 | 19.3 | 19.8 | 19.7 | 19.4 | 19.6 | 19.5 |
| | | 50 | 25 | 19.8 | 19.8 | 19.8 | 19.5 | 19.6 | 19.6 |
| | | 100 | 0 | 19.7 | 19.8 | 19.8 | 19.6 | 19.6 | 19.6 |



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# 8.10. LTE BAND 30 AND 5G NR n30

## LTE BAND 30

| Test Engineer ID: | 39005RA | Test Date: | 2024-04-05 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 30 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 27685 | 27710 | 27735 | 27685 | 27710 | 27735 |
| | | | | 2307.5 | 2310.0 | 2312.5 | 2307.5 | 2310.0 | 2312.5 |
| 5.0 | QPSK | 1 | 0 | 23.7 | 23.8 | 23.5 | 22.4 | 22.3 | 22.3 |
| | | 1 | 12 | **23.8** | 23.8 | 23.5 | 22.3 | 22.4 | 22.3 |
| | | 1 | 24 | 23.7 | 23.6 | 23.5 | 22.3 | 22.4 | **22.4** |
| | | 12 | 0 | 23.2 | 23.2 | 23.0 | 22.3 | 22.3 | 22.3 |
| | | 12 | 6 | 23.2 | 23.2 | 23.0 | 22.3 | 22.3 | 22.3 |
| | | 12 | 11 | 23.2 | 23.1 | 23.0 | 22.3 | 22.3 | 22.3 |
| | | 25 | 0 | 23.2 | 23.2 | 23.0 | 22.3 | 22.3 | 22.3 |
| | 16QAM | 1 | 0 | 23.0 | 23.3 | 23.0 | 22.3 | 22.3 | 22.3 |
| | | 1 | 12 | 23.1 | **23.3** | 23.1 | 22.2 | 22.2 | 22.3 |
| | | 1 | 24 | 23.0 | 23.3 | 23.0 | 22.3 | **22.3** | 22.2 |
| | | 12 | 0 | 21.9 | 21.9 | 21.8 | 22.1 | 22.2 | 22.1 |
| | | 12 | 6 | 21.9 | 21.9 | 21.9 | 22.1 | 22.2 | 22.1 |
| | | 12 | 11 | 21.9 | 21.9 | 21.8 | 22.1 | 22.1 | 22.1 |
| | | 25 | 0 | 21.9 | 21.9 | 21.9 | 22.1 | 22.1 | 22.2 |
| | 64QAM | 1 | 0 | 21.8 | 21.9 | 21.9 | 22.4 | 22.3 | 22.4 |
| | | 1 | 12 | 21.8 | 22.0 | **22.0** | **22.6** | 22.3 | 22.4 |
| | | 1 | 24 | 21.8 | 21.9 | 21.9 | 22.4 | 22.2 | 22.4 |
| | | 12 | 0 | 20.7 | 20.7 | 20.6 | 21.4 | 21.5 | 21.5 |
| | | 12 | 6 | 20.7 | 20.7 | 20.6 | 21.5 | 21.5 | 21.5 |
| | | 12 | 11 | 20.7 | 20.7 | 20.6 | 21.5 | 21.4 | 21.5 |
| | | 25 | 0 | 20.7 | 20.7 | 20.6 | 21.4 | 21.4 | 21.5 |
| | 256QAM | 1 | 0 | 19.4 | 19.3 | 19.4 | 19.6 | 19.7 | 19.8 |
| | | 1 | 12 | **19.5** | 19.4 | 19.5 | 19.8 | **19.9** | 19.8 |
| | | 1 | 24 | 19.4 | 19.3 | 19.3 | 19.6 | 19.6 | 19.7 |
| | | 12 | 0 | 19.2 | 19.2 | 19.2 | 19.5 | 19.5 | 19.5 |
| | | 12 | 6 | 19.2 | 19.2 | 19.2 | 19.5 | 19.5 | 19.5 |
| | | 12 | 11 | 19.2 | 19.2 | 19.2 | 19.5 | 19.5 | 19.5 |
| | | 25 | 0 | 19.2 | 19.2 | 19.2 | 19.5 | 19.5 | 19.5 |

## OUTPUT POWER FOR LTE BAND 30 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | N/A | 27710 | N/A | N/A | 27710 | N/A |
| | | | | N/A | 2310.0 | N/A | N/A | 2310.0 | N/A |
| 10.0 | QPSK | 1 | 0 | | **23.7** | | | **22.5** | |
| | | 1 | 24 | | 23.6 | | | 22.4 | |
| | | 1 | 49 | | 23.6 | | | 22.4 | |
| | | 25 | 0 | | 23.1 | | | 22.3 | |
| | | 25 | 12 | | 23.1 | | | 22.3 | |
| | | 25 | 24 | | 23.1 | | | 22.3 | |
| | | 50 | 0 | | 23.1 | | | 22.3 | |
| | 16QAM | 1 | 0 | | 23.2 | | | **22.4** | |
| | | 1 | 24 | | **23.3** | | | 22.4 | |
| | | 1 | 49 | | 23.1 | | | 22.4 | |
| | | 25 | 0 | | 22.2 | | | 22.3 | |
| | | 25 | 12 | | 22.2 | | | 22.3 | |
| | | 25 | 24 | | 22.2 | | | 22.3 | |
| | | 50 | 0 | | 22.1 | | | 22.3 | |
| | 64QAM | 1 | 0 | | 22.4 | | | **22.4** | |
| | | 1 | 24 | | **22.5** | | | 22.3 | |
| | | 1 | 49 | | 22.3 | | | **22.4** | |
| | | 25 | 0 | | 21.2 | | | 21.5 | |
| | | 25 | 12 | | 21.2 | | | 21.5 | |
| | | 25 | 24 | | 21.2 | | | 21.5 | |
| | | 50 | 0 | | 21.2 | | | 21.5 | |
| | 256QAM | 1 | 0 | | 19.3 | | | 19.7 | |
| | | 1 | 24 | | **19.4** | | | **19.8** | |
| | | 1 | 49 | | 19.3 | | | 19.6 | |
| | | 25 | 0 | | 19.3 | | | 19.7 | |
| | | 25 | 12 | | 19.3 | | | 19.6 | |
| | | 25 | 24 | | 19.3 | | | 19.6 | |
| | | 50 | 0 | | 19.2 | | | 19.6 | |



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## 5G NR n30

| Test Engineer ID: | 19210AL | Test Date: | 2024-02-16 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n30 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 461500 | 462000 | 462500 | 461500 | 462000 | 462500 |
| | | | | 2307.5 | 2310.0 | 2312.5 | 2307.5 | 2310.0 | 2312.5 |
| 5.0 | BPSK | 1 | 0 | 23.6 | 23.7 | 23.5 | 22.5 | 22.6 | 22.4 |
| | | 1 | 1 | 23.7 | **23.7** | 23.5 | 22.5 | 22.5 | 22.4 |
| | | 1 | 23 | 23.6 | 23.5 | 23.5 | 22.5 | 22.4 | 22.3 |
| | | 1 | 24 | 23.6 | 23.7 | 23.5 | 22.5 | 22.4 | 22.4 |
| | | 12 | 6 | 23.6 | 23.6 | 23.5 | 22.5 | 22.5 | 22.3 |
| | | 25 | 0 | 23.6 | 23.5 | 23.6 | **22.6** | 22.4 | 22.3 |
| | QPSK | 1 | 0 | 23.0 | 23.1 | 23.1 | 22.5 | 22.4 | 22.4 |
| | | 1 | 1 | 23.6 | **23.7** | 23.7 | **22.5** | 22.5 | 22.3 |
| | | 1 | 23 | 23.6 | 23.5 | 23.5 | 22.5 | 22.4 | 22.3 |
| | | 1 | 24 | 23.1 | 23.1 | 23.1 | 22.5 | 22.3 | 22.3 |
| | | 12 | 6 | 23.6 | 23.6 | 23.5 | **22.5** | 22.4 | 22.3 |
| | | 25 | 0 | 23.1 | 23.0 | 23.1 | 22.5 | 22.4 | 22.4 |
| | 16QAM | 1 | 0 | 22.1 | 21.8 | 21.7 | 22.5 | 22.5 | 22.6 |
| | | 1 | 1 | 23.1 | 23.2 | 23.2 | 22.3 | **22.8** | 22.2 |
| | | 1 | 23 | **23.4** | 23.2 | 23.0 | 22.2 | 22.6 | 22.5 |
| | | 1 | 24 | 22.1 | 22.2 | 21.7 | 22.7 | 22.4 | 22.1 |
| | | 12 | 6 | 23.0 | 23.1 | 23.1 | 22.5 | 22.5 | 22.3 |
| | | 25 | 0 | 22.1 | 22.1 | 22.0 | 22.5 | 22.4 | 22.3 |
| | 64QAM | 1 | 0 | 22.2 | 22.2 | 22.1 | 22.1 | 22.4 | 22.1 |
| | | 1 | 1 | 21.9 | **22.4** | 22.1 | 22.4 | 22.2 | **22.5** |
| | | 1 | 23 | 22.1 | 22.1 | 22.0 | 22.5 | 21.9 | 22.2 |
| | | 1 | 24 | 22.3 | 21.9 | 22.1 | 22.5 | 22.1 | 21.8 |
| | | 12 | 6 | 22.1 | 22.1 | 21.9 | 22.3 | 22.1 | 22.0 |
| | | 25 | 0 | 22.0 | 22.1 | 22.0 | 22.2 | 22.2 | 22.1 |
| | 256QAM | 1 | 0 | 20.1 | 20.1 | 20.3 | **20.4** | 20.2 | 19.8 |
| | | 1 | 1 | 20.0 | 19.7 | 20.2 | 20.2 | 19.8 | 20.1 |
| | | 1 | 23 | 20.3 | **20.6** | 20.2 | 20.2 | 20.4 | 20.2 |
| | | 1 | 24 | 20.1 | 19.8 | 20.3 | 20.0 | 19.9 | 19.7 |
| | | 12 | 6 | 20.1 | 20.1 | 20.0 | 20.2 | 20.1 | 20.0 |
| | | 25 | 0 | 20.1 | 20.1 | 20.1 | 20.1 | 20.0 | 20.0 |

## OUTPUT POWER FOR 5G NR n30 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | N/A | 462000 | N/A | N/A | 462000 | N/A |
| | | | | N/A | 2310.0 | N/A | N/A | 2310.0 | N/A |
| 10.0 | BPSK | 1 | 0 | | 23.7 | | | 22.3 | |
| | | 1 | 1 | | **23.7** | | | 22.4 | |
| | | 1 | 50 | | 23.6 | | | 22.3 | |
| | | 1 | 51 | | 23.6 | | | 22.4 | |
| | | 25 | 12 | | 23.6 | | | 22.4 | |
| | | 50 | 0 | | **23.7** | | | **22.5** | |
| | QPSK | 1 | 0 | | 23.2 | | | 22.4 | |
| | | 1 | 1 | | **23.7** | | | 22.5 | |
| | | 1 | 50 | | 23.6 | | | 22.4 | |
| | | 1 | 51 | | 23.2 | | | 22.3 | |
| | | 25 | 12 | | 23.7 | | | **22.5** | |
| | | 50 | 0 | | 23.1 | | | 22.4 | |
| | 16QAM | 1 | 0 | | 22.3 | | | 22.4 | |
| | | 1 | 1 | | 22.8 | | | 22.3 | |
| | | 1 | 50 | | 23.0 | | | 22.2 | |
| | | 1 | 51 | | 22.2 | | | 22.3 | |
| | | 25 | 12 | | **23.1** | | | 22.4 | |
| | | 50 | 0 | | 22.2 | | | **22.4** | |
| | 64QAM | 1 | 0 | | **22.4** | | | **22.4** | |
| | | 1 | 1 | | 22.3 | | | 22.1 | |
| | | 1 | 50 | | 22.3 | | | 21.9 | |
| | | 1 | 51 | | 22.1 | | | 21.5 | |
| | | 25 | 12 | | 22.0 | | | 22.0 | |
| | | 50 | 0 | | 22.0 | | | 22.1 | |
| | 256QAM | 1 | 0 | | 20.0 | | | **20.3** | |
| | | 1 | 1 | | **20.2** | | | 20.0 | |
| | | 1 | 50 | | 20.0 | | | 19.9 | |
| | | 1 | 51 | | 19.5 | | | **20.3** | |
| | | 25 | 12 | | 20.1 | | | 20.1 | |
| | | 50 | 0 | | 20.1 | | | 20.1 | |



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# 8.11. LTE BAND 41 AND 5G NR n41

## LTE BAND 41

| Test Engineer ID: | 28686RL and 28529JB | Test Date: | 2024-01-19 to 2024-01-23 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 41 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 39675 | 40620 | 41565 | 39675 | 40620 | 41565 |
| | | | | 2498.5 | 2593.0 | 2687.5 | 2498.5 | 2593.0 | 2687.5 |
| 5.0 | QPSK | 1 | 0 | 23.3 | 23.3 | 23.3 | **24.0** | 23.9 | 23.5 |
| | | 1 | 12 | 23.1 | 23.1 | 23.1 | 23.9 | 23.7 | 23.5 |
| | | 1 | 24 | 23.2 | 23.3 | 23.2 | 23.9 | 23.8 | 23.5 |
| | | 12 | 0 | 23.3 | 23.2 | 23.2 | 22.8 | 22.9 | 22.4 |
| | | 12 | 6 | 23.3 | 23.2 | 23.2 | 22.8 | 22.9 | 22.4 |
| | | 12 | 11 | 23.3 | 23.2 | 23.2 | 22.8 | 22.9 | 22.4 |
| | | 25 | 0 | **23.3** | 23.2 | 23.2 | 22.9 | 22.9 | 22.4 |
| | 16QAM | 1 | 0 | 23.1 | 23.2 | 23.3 | **22.9** | 22.8 | 22.5 |
| | | 1 | 12 | 23.0 | 23.2 | 23.1 | 22.8 | 22.7 | 22.5 |
| | | 1 | 24 | 23.1 | **23.3** | 23.3 | 22.9 | 22.9 | 22.4 |
| | | 12 | 0 | 22.5 | 22.5 | 22.4 | 22.1 | 22.1 | 21.6 |
| | | 12 | 6 | 22.5 | 22.5 | 22.4 | 22.1 | 22.1 | 21.6 |
| | | 12 | 11 | 22.5 | 22.5 | 22.3 | 22.1 | 22.1 | 21.6 |
| | | 25 | 0 | 22.5 | 22.5 | 22.4 | 22.1 | 22.1 | 21.6 |
| | 64QAM | 1 | 0 | 22.4 | **22.5** | 22.5 | 22.1 | **22.2** | 21.6 |
| | | 1 | 12 | 22.3 | 22.4 | 22.4 | 22.0 | 22.0 | 21.6 |
| | | 1 | 24 | 22.3 | 22.4 | 22.4 | 22.1 | 22.1 | 21.5 |
| | | 12 | 0 | 21.3 | 21.3 | 21.3 | 21.1 | 21.0 | 20.5 |
| | | 12 | 6 | 21.3 | 21.3 | 21.3 | 21.1 | 21.0 | 20.5 |
| | | 12 | 11 | 21.3 | 21.3 | 21.3 | 21.1 | 21.0 | 20.5 |
| | | 25 | 0 | 21.4 | 21.4 | 21.2 | 21.1 | 21.1 | 20.5 |
| | 256QAM | 1 | 0 | **19.4** | 19.4 | 19.4 | **19.2** | 19.0 | 18.6 |
| | | 1 | 12 | 19.3 | 19.2 | 19.3 | 19.1 | 18.9 | 18.4 |
| | | 1 | 24 | 19.4 | 19.4 | 19.3 | **19.2** | 18.9 | 18.5 |
| | | 12 | 0 | 19.3 | 19.3 | 19.2 | 19.0 | 19.0 | 18.5 |
| | | 12 | 6 | 19.3 | 19.3 | 19.2 | 19.1 | 19.0 | 18.5 |
| | | 12 | 11 | 19.3 | 19.3 | 19.2 | 19.0 | 19.0 | 18.5 |
| | | 25 | 0 | 19.3 | 19.2 | 19.2 | 19.0 | 19.0 | 18.4 |

## OUTPUT POWER FOR LTE BAND 41 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 39700 | 40620 | 41540 | 39700 | 40620 | 41540 |
| | | | | 2501.0 | 2593.0 | 2685.0 | 2501.0 | 2593.0 | 2685.0 |
| 10.0 | QPSK | 1 | 0 | 23.3 | 23.2 | 23.2 | **24.0** | 23.9 | 23.6 |
| | | 1 | 24 | **23.4** | 23.1 | 23.1 | **24.0** | 23.7 | 23.4 |
| | | 1 | 49 | 23.3 | 23.2 | 23.1 | 24.0 | 23.8 | 23.4 |
| | | 25 | 0 | 23.3 | 23.2 | 23.2 | 23.0 | 23.0 | 22.5 |
| | | 25 | 12 | 23.3 | 23.2 | 23.2 | 23.0 | 22.9 | 22.5 |
| | | 25 | 24 | 23.3 | 23.2 | 23.2 | 22.9 | 22.9 | 22.4 |
| | | 50 | 0 | 23.3 | 23.2 | 23.2 | 23.0 | 22.9 | 22.4 |
| | 16QAM | 1 | 0 | 23.3 | 23.4 | 23.3 | 23.1 | 23.0 | 22.5 |
| | | 1 | 24 | 23.3 | 23.3 | 23.3 | **23.3** | 23.2 | 22.7 |
| | | 1 | 49 | 23.4 | **23.4** | 23.3 | 23.1 | 23.0 | 22.4 |
| | | 25 | 0 | 22.5 | 22.5 | 22.4 | 22.2 | 22.2 | 21.7 |
| | | 25 | 12 | 22.5 | 22.5 | 22.4 | 22.2 | 22.1 | 21.7 |
| | | 25 | 24 | 22.5 | 22.5 | 22.4 | 22.2 | 22.1 | 21.6 |
| | | 50 | 0 | 22.5 | 22.5 | 22.4 | 22.2 | 22.2 | 21.6 |
| | 64QAM | 1 | 0 | **22.5** | 22.3 | 22.3 | 22.3 | 22.0 | 21.6 |
| | | 1 | 24 | 22.4 | 22.3 | 22.2 | **22.3** | 21.8 | 21.4 |
| | | 1 | 49 | 22.5 | 22.4 | 22.3 | 22.2 | 22.1 | 21.5 |
| | | 25 | 0 | 21.4 | 21.3 | 21.2 | 21.2 | 21.0 | 20.6 |
| | | 25 | 12 | 21.4 | 21.3 | 21.2 | 21.2 | 21.0 | 20.5 |
| | | 25 | 24 | 21.4 | 21.3 | 21.2 | 21.1 | 21.0 | 20.5 |
| | | 50 | 0 | 21.4 | 21.3 | 21.3 | 21.1 | 21.0 | 20.5 |
| | 256QAM | 1 | 0 | 19.3 | 19.3 | 19.2 | 18.8 | 19.0 | 18.5 |
| | | 1 | 24 | 19.2 | 19.2 | 19.2 | 18.6 | **19.2** | 18.6 |
| | | 1 | 49 | 19.3 | 19.3 | 19.2 | 18.8 | 18.9 | 18.4 |
| | | 25 | 0 | **19.4** | 19.3 | 19.3 | 19.1 | 19.0 | 18.5 |
| | | 25 | 12 | 19.4 | 19.3 | 19.2 | 19.1 | 19.0 | 18.5 |
| | | 25 | 24 | 19.3 | 19.3 | 19.2 | 19.1 | 19.0 | 18.4 |
| | | 50 | 0 | 19.3 | 19.3 | 19.2 | 19.0 | 19.0 | 18.4 |



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## OUTPUT POWER FOR LTE BAND 41 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 39725 | 40620 | 41515 | 39725 | 40620 | 41515 |
| | | | | 2503.5 | 2593.0 | 2682.5 | 2503.5 | 2593.0 | 2682.5 |
| 15.0 | QPSK | 1 | 0 | 23.3 | 23.3 | 23.2 | **24.0** | 23.8 | 23.6 |
| | | 1 | 37 | 23.2 | 23.1 | 23.2 | 23.9 | 23.8 | 23.5 |
| | | 1 | 74 | 23.3 | 23.3 | 23.2 | 23.9 | 23.8 | 23.5 |
| | | 36 | 0 | **23.3** | 23.3 | 23.2 | 23.0 | 23.0 | 22.5 |
| | | 36 | 16 | 23.3 | 23.3 | 23.2 | 23.0 | 23.0 | 22.5 |
| | | 36 | 35 | 23.3 | 23.3 | 23.2 | 23.0 | 22.9 | 22.4 |
| | | 75 | 0 | 23.3 | 23.3 | 23.2 | 23.0 | 22.9 | 22.5 |
| | 16QAM | 1 | 0 | 23.2 | 22.6 | 23.1 | **23.1** | 22.8 | 22.6 |
| | | 1 | 37 | 23.0 | 23.1 | **23.3** | 22.7 | 22.7 | 22.4 |
| | | 1 | 74 | 23.2 | 23.0 | 22.4 | 23.0 | 22.8 | 22.4 |
| | | 36 | 0 | 22.6 | 22.5 | 22.4 | 22.2 | 22.2 | 21.7 |
| | | 36 | 16 | 22.5 | 22.4 | 22.4 | 22.2 | 22.2 | 21.6 |
| | | 36 | 35 | 22.6 | 22.4 | 22.4 | 22.2 | 22.1 | 21.6 |
| | | 75 | 0 | 22.5 | 22.4 | 22.4 | 22.2 | 22.1 | 21.7 |
| | 64QAM | 1 | 0 | **22.5** | 22.4 | 21.7 | **22.5** | 22.0 | 21.9 |
| | | 1 | 37 | 21.9 | 22.3 | 22.0 | **22.5** | 21.9 | 21.6 |
| | | 1 | 74 | 22.1 | 22.3 | 22.5 | 22.3 | 22.1 | 21.7 |
| | | 36 | 0 | 21.4 | 21.4 | 21.4 | 21.1 | 21.1 | 20.6 |
| | | 36 | 16 | 21.4 | 21.4 | 21.4 | 21.1 | 21.0 | 20.6 |
| | | 36 | 35 | 21.4 | 21.4 | 21.4 | 21.1 | 21.0 | 20.5 |
| | | 75 | 0 | 21.4 | 21.4 | 21.3 | 21.2 | 21.1 | 20.6 |
| | 256QAM | 1 | 0 | **19.5** | 19.3 | 19.5 | 19.0 | 19.1 | 18.6 |
| | | 1 | 37 | 19.5 | 19.1 | 19.2 | 18.8 | 18.7 | 18.3 |
| | | 1 | 74 | 19.3 | 18.9 | 19.4 | 19.0 | 18.8 | 18.7 |
| | | 36 | 0 | 19.4 | 19.3 | 19.3 | **19.1** | 19.0 | 18.6 |
| | | 36 | 16 | 19.4 | 19.3 | 19.3 | 19.0 | 19.0 | 18.5 |
| | | 36 | 35 | 19.4 | 19.3 | 19.3 | 19.0 | 19.0 | 18.5 |
| | | 75 | 0 | 19.4 | 19.3 | 19.3 | 19.1 | 19.0 | 18.5 |

## OUTPUT POWER FOR LTE BAND 41 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 39750 | 40620 | 41490 | 39750 | 40620 | 41490 |
| | | | | 2506.0 | 2593.0 | 2680.0 | 2506.0 | 2593.0 | 2680.0 |
| 20.0 | QPSK | 1 | 0 | **23.3** | 23.2 | 23.2 | **24.0** | 23.8 | 23.6 |
| | | 1 | 49 | 23.2 | 23.2 | 23.2 | 24.0 | 23.8 | 23.5 |
| | | 1 | 99 | 23.3 | 23.2 | 23.1 | 24.0 | 23.7 | 23.4 |
| | | 50 | 0 | **23.3** | 23.2 | 23.2 | 23.0 | 23.0 | 22.6 |
| | | 50 | 24 | 23.3 | 23.2 | 23.2 | 23.0 | 22.9 | 22.5 |
| | | 50 | 49 | 23.3 | 23.2 | 23.2 | 23.0 | 22.9 | 22.5 |
| | | 100 | 0 | 23.3 | 23.2 | 23.2 | 23.0 | 23.0 | 22.5 |
| | 16QAM | 1 | 0 | 23.4 | 22.4 | 23.2 | 23.0 | 22.6 | 22.5 |
| | | 1 | 49 | 23.0 | **23.5** | 23.3 | 23.2 | 23.0 | 22.7 |
| | | 1 | 99 | 23.3 | 22.8 | 23.1 | **23.3** | 22.6 | 22.3 |
| | | 50 | 0 | 22.5 | 22.4 | 22.4 | 22.3 | 22.1 | 21.7 |
| | | 50 | 24 | 22.5 | 22.4 | 22.4 | 22.3 | 22.1 | 21.7 |
| | | 50 | 49 | 22.5 | 22.4 | 22.4 | 22.3 | 22.1 | 21.6 |
| | | 100 | 0 | 22.5 | 22.4 | 22.4 | 22.2 | 22.1 | 21.7 |
| | 64QAM | 1 | 0 | 22.3 | 22.4 | 22.3 | 22.0 | 21.9 | 22.0 |
| | | 1 | 49 | 22.2 | 22.0 | 22.2 | **22.4** | 21.6 | 22.0 |
| | | 1 | 99 | **22.6** | 22.4 | 22.1 | 21.9 | 22.1 | 21.4 |
| | | 50 | 0 | 21.5 | 21.4 | 21.3 | 21.2 | 21.1 | 20.7 |
| | | 50 | 24 | 21.5 | 21.3 | 21.3 | 21.2 | 21.0 | 20.6 |
| | | 50 | 49 | 21.4 | 21.3 | 21.3 | 21.2 | 21.0 | 20.6 |
| | | 100 | 0 | 21.5 | 21.3 | 21.3 | 21.2 | 21.0 | 20.6 |
| | 256QAM | 1 | 0 | **19.8** | 19.7 | 19.2 | **19.4** | 19.1 | 18.9 |
| | | 1 | 49 | 19.4 | 19.3 | 19.2 | 19.1 | 18.7 | 18.7 |
| | | 1 | 99 | 19.4 | 19.2 | 19.2 | 19.4 | 18.7 | 18.6 |
| | | 50 | 0 | 19.4 | 19.3 | 19.3 | 19.1 | 19.1 | 18.6 |
| | | 50 | 24 | 19.4 | 19.3 | 19.2 | 19.1 | 19.0 | 18.5 |
| | | 50 | 49 | 19.3 | 19.3 | 19.2 | 19.1 | 19.0 | 18.5 |
| | | 100 | 0 | 19.4 | 19.3 | 19.3 | 19.1 | 19.0 | 18.5 |



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## 5G NR n41

| Test Engineer ID: | 19210AL and 27966PV | Test Date: | 2024-02-23 to 2024-05-01 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n41 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 500200 | 518600 | 537000 | 500200 | 518600 | 537000 | 500200 | 518600 | 537000 | 500200 | 518600 | 537000 |
| | | | | 2501.0 | 2593.0 | 2685.0 | 2501.0 | 2593.0 | 2685.0 | 2501.0 | 2593.0 | 2685.0 | 2501.0 | 2593.0 | 2685.0 |
| 10.0 | BPSK | 1 | 0 | 24.1 | 23.9 | 24.1 | 23.9 | 23.9 | 23.3 | 22.8 | 22.5 | 22.4 | 24.1 | 24.1 | 24.0 |
| | | 1 | 1 | **24.7** | 24.5 | 24.5 | **24.5** | 24.3 | 23.9 | **24.5** | 24.2 | 24.1 | 24.2 | 24.2 | 24.0 |
| | | 1 | 22 | 24.7 | 24.4 | 24.5 | 24.5 | 24.3 | 23.7 | 24.3 | 24.2 | 24.2 | 24.1 | 24.2 | 24.1 |
| | | 1 | 23 | 24.2 | 23.9 | 24.1 | 23.9 | 23.9 | 23.1 | 22.6 | 22.6 | 22.3 | 24.0 | 24.0 | 24.0 |
| | | 12 | 6 | 24.6 | 24.5 | 24.5 | 24.3 | 24.3 | 23.7 | 24.4 | 24.2 | 24.1 | 24.0 | **24.2** | 24.0 |
| | | 24 | 0 | 24.1 | 24.0 | 24.0 | 23.9 | 23.7 | 23.3 | 23.7 | 23.7 | 23.7 | 24.0 | 24.2 | 24.0 |
| | QPSK | 1 | 0 | 23.7 | 23.5 | 23.6 | 23.5 | 23.4 | 22.8 | 22.7 | 22.5 | 22.5 | 23.7 | 23.6 | 23.5 |
| | | 1 | 1 | **24.6** | 24.5 | 24.6 | 24.4 | 24.4 | 24.0 | **24.4** | 24.1 | 24.2 | 24.2 | 24.2 | 24.1 |
| | | 1 | 22 | 24.6 | 24.4 | 24.5 | **24.4** | 24.3 | 23.7 | 24.2 | 24.1 | 24.2 | 24.2 | **24.2** | 24.0 |
| | | 1 | 23 | 23.6 | 23.4 | 23.5 | 23.3 | 23.2 | 22.7 | 22.5 | 22.5 | 22.5 | 23.5 | 23.6 | 23.4 |
| | | 12 | 6 | 24.6 | 24.5 | 24.5 | 24.4 | 24.3 | 23.8 | 24.2 | 24.3 | 24.0 | 24.1 | 24.1 | 24.0 |
| | | 24 | 0 | 23.6 | 23.5 | 23.6 | 23.3 | 23.3 | 22.7 | 23.8 | 23.1 | 23.0 | 23.4 | 23.6 | 23.3 |
| | 16QAM | 1 | 0 | 22.3 | 22.5 | 22.7 | 22.5 | 22.3 | 21.6 | 22.1 | 22.5 | 22.1 | 22.6 | 22.2 | 22.5 |
| | | 1 | 1 | 23.6 | 23.5 | **23.7** | **23.5** | 22.9 | 22.6 | **23.4** | 23.2 | 22.9 | **23.9** | 23.7 | 23.3 |
| | | 1 | 22 | 23.6 | 23.5 | 23.5 | 23.5 | 23.1 | 22.4 | 23.1 | 23.2 | 23.3 | 23.6 | 23.5 | 23.3 |
| | | 1 | 23 | 22.6 | 22.3 | 22.4 | 22.4 | 22.5 | 21.3 | 22.3 | 22.5 | 22.4 | 22.4 | 22.7 | 22.3 |
| | | 12 | 6 | 23.6 | 23.4 | 23.5 | 23.3 | 23.3 | 22.7 | 23.4 | 23.3 | 23.0 | 23.5 | 23.5 | 23.4 |
| | | 24 | 0 | 22.6 | 22.4 | 22.5 | 22.3 | 22.3 | 21.7 | 22.2 | 22.3 | 22.1 | 22.4 | 22.5 | 22.4 |
| | 64QAM | 1 | 0 | 22.1 | 21.9 | 21.9 | 22.1 | 21.7 | 21.3 | **22.8** | 22.8 | 22.3 | 21.8 | 21.8 | 22.1 |
| | | 1 | 1 | 22.1 | 21.7 | 22.0 | 22.0 | 21.8 | 21.2 | 22.2 | 21.9 | 21.7 | 21.6 | 21.7 | **22.3** |
| | | 1 | 22 | 22.0 | 22.0 | 22.0 | **22.1** | 21.7 | 21.2 | 22.0 | 22.2 | 21.7 | 21.5 | 22.0 | 22.0 |
| | | 1 | 23 | 21.9 | **22.3** | 22.1 | 22.0 | 21.6 | 21.1 | 22.7 | 22.8 | 22.3 | 21.6 | 21.9 | 22.2 |
| | | 12 | 6 | 22.0 | 21.9 | 21.9 | 21.9 | 21.8 | 21.2 | 22.0 | 22.0 | 21.8 | 21.9 | 22.0 | 21.9 |
| | | 24 | 0 | 22.0 | 21.9 | 22.0 | 22.0 | 21.8 | 21.1 | 22.1 | 22.0 | 21.7 | 21.9 | 22.0 | 21.9 |
| | 256QAM | 1 | 0 | 20.0 | 19.9 | **20.1** | 19.9 | 19.7 | 19.4 | 20.0 | **20.6** | 19.7 | 19.8 | 19.7 | 19.9 |
| | | 1 | 1 | 20.0 | 19.8 | 19.9 | 20.1 | 19.7 | 19.4 | 20.2 | 20.0 | 19.9 | 19.9 | 19.9 | 20.0 |
| | | 1 | 22 | 20.0 | 19.9 | 20.0 | **20.2** | 19.7 | 19.0 | 20.0 | 19.9 | 19.8 | 20.0 | **20.5** | 19.8 |
| | | 1 | 23 | 19.9 | 19.9 | 20.0 | 20.1 | 19.6 | 19.0 | 20.0 | 20.1 | 19.9 | 19.9 | 20.1 | 19.9 |
| | | 12 | 6 | 20.0 | 19.9 | 19.9 | 19.9 | 19.8 | 19.2 | 20.0 | 20.0 | 19.9 | 19.9 | 20.1 | 19.9 |
| | | 24 | 0 | 20.0 | 20.0 | 19.9 | 19.8 | 19.8 | 19.2 | 20.0 | 20.0 | 19.8 | 20.0 | 20.1 | 19.9 |

## OUTPUT POWER FOR 5G NR n41 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 500700 | 518600 | 536500 | 500700 | 518600 | 536500 | 500700 | 518600 | 536500 | 500700 | 518600 | 536500 |
| | | | | 2503.5 | 2593.0 | 2682.5 | 2503.5 | 2593.0 | 2682.5 | 2503.5 | 2593.0 | 2682.5 | 2503.5 | 2593.0 | 2682.5 |
| 15.0 | BPSK | 1 | 0 | 24.1 | 24.0 | 24.1 | 23.9 | 23.9 | 23.4 | 22.6 | 22.7 | 22.4 | 24.0 | 24.0 | 24.1 |
| | | 1 | 1 | **24.7** | 24.6 | 24.6 | 24.4 | 24.3 | 24.0 | **24.5** | 24.3 | 24.2 | 24.2 | 24.2 | **24.2** |
| | | 1 | 36 | 24.6 | 24.4 | 24.5 | **24.5** | 24.2 | 23.7 | 24.4 | 24.4 | 24.2 | 24.0 | 24.1 | 24.0 |
| | | 1 | 37 | 24.1 | 23.9 | 24.0 | 23.9 | 23.7 | 23.1 | 22.6 | 22.6 | 22.3 | 23.9 | 24.1 | 23.9 |
| | | 18 | 9 | 24.6 | 24.5 | 24.5 | 24.4 | 24.4 | 23.8 | 24.4 | 24.3 | 24.2 | 24.0 | 24.1 | 24.0 |
| | | 36 | 0 | 24.1 | 24.0 | 24.1 | 23.8 | 23.8 | 23.3 | 23.9 | 23.8 | 23.6 | 23.9 | 24.0 | 24.0 |
| | QPSK | 1 | 0 | 23.6 | 23.6 | 23.6 | 23.5 | 23.3 | 22.9 | 22.6 | 22.6 | 22.2 | 23.6 | 23.5 | 23.5 |
| | | 1 | 1 | **24.7** | 24.5 | 24.6 | 24.3 | 24.4 | 23.8 | **24.6** | 24.2 | 24.2 | 24.1 | 24.2 | 24.2 |
| | | 1 | 36 | 24.7 | 24.4 | 24.6 | **24.4** | 24.2 | 23.7 | 24.4 | 24.3 | 24.1 | 24.0 | **24.2** | 24.0 |
| | | 1 | 37 | 23.7 | 23.4 | 23.6 | 23.3 | 23.2 | 22.6 | 22.5 | 22.6 | 22.2 | 23.4 | 23.5 | 23.4 |
| | | 18 | 9 | 24.6 | 24.5 | 24.5 | 24.3 | 24.3 | 23.9 | 24.4 | 24.3 | 24.2 | 24.0 | 24.2 | 24.0 |
| | | 36 | 0 | 23.6 | 23.4 | 23.6 | 23.4 | 23.3 | 22.8 | 23.3 | 23.4 | 23.2 | 23.4 | 23.5 | 23.5 |
| | 16QAM | 1 | 0 | 22.5 | 22.6 | 22.6 | 22.3 | 22.2 | 21.9 | 22.5 | 22.6 | 22.4 | 22.6 | 22.5 | 22.6 |
| | | 1 | 1 | 23.6 | 23.5 | 23.5 | **23.6** | 23.3 | 22.9 | **23.7** | 23.5 | 23.3 | **23.8** | 23.4 | 23.5 |
| | | 1 | 36 | 23.5 | 23.4 | 23.6 | 23.4 | 23.4 | 22.3 | 23.1 | 23.5 | 23.3 | 23.5 | 23.5 | 23.5 |
| | | 1 | 37 | 22.8 | 22.4 | 22.7 | 22.5 | 22.2 | 21.7 | 22.3 | 22.7 | 22.4 | 22.2 | 22.5 | 22.6 |
| | | 18 | 9 | 23.4 | 23.4 | **23.6** | 23.4 | 23.2 | 22.8 | 23.4 | 23.3 | 23.1 | 23.5 | 23.6 | 23.5 |
| | | 36 | 0 | 22.5 | 22.5 | 22.5 | 22.3 | 22.2 | 21.8 | 22.3 | 22.2 | 22.1 | 22.3 | 22.4 | 22.4 |
| | 64QAM | 1 | 0 | 22.1 | 21.6 | 22.1 | **22.0** | 21.8 | 21.7 | 22.3 | 22.1 | 22.3 | 22.1 | 21.9 | 22.3 |
| | | 1 | 1 | 22.2 | 22.0 | **22.4** | 21.9 | 21.8 | 21.4 | 22.1 | 22.2 | 22.1 | 22.1 | 21.9 | 22.1 |
| | | 1 | 36 | 22.2 | 21.9 | 22.1 | 22.0 | 21.7 | 21.1 | **22.4** | 22.1 | 21.8 | 21.8 | 22.0 | 22.2 |
| | | 1 | 37 | 22.1 | 22.0 | 22.3 | 21.9 | 21.7 | 21.4 | 21.1 | 21.2 | 20.9 | 22.0 | 22.0 | **22.3** |
| | | 18 | 9 | 22.0 | 22.0 | 22.0 | 21.9 | 21.9 | 21.5 | 22.3 | 22.2 | 22.1 | 21.9 | 22.0 | 21.8 |
| | | 36 | 0 | 22.0 | 21.9 | 22.1 | 21.8 | 21.8 | 21.3 | 22.2 | 22.2 | 22.1 | 21.8 | 22.1 | 21.9 |
| | 256QAM | 1 | 0 | 20.0 | **22.0** | 20.3 | **20.1** | 19.6 | 19.6 | 20.5 | 20.1 | 20.5 | 20.1 | 20.2 | 19.8 |
| | | 1 | 1 | 20.1 | 19.9 | 20.0 | 20.1 | 20.0 | 19.6 | **20.5** | 20.2 | 20.0 | 19.9 | 19.7 | 20.2 |
| | | 1 | 36 | 20.1 | 19.5 | 19.8 | 20.0 | 19.9 | 19.1 | 19.9 | 20.0 | 19.9 | 20.0 | **20.3** | 20.0 |
| | | 1 | 37 | 20.3 | 20.2 | 20.2 | **20.1** | 20.1 | 19.4 | 20.4 | 20.2 | 19.9 | 19.8 | 20.2 | 20.0 |
| | | 18 | 9 | 19.9 | 20.0 | 20.1 | 19.8 | 19.8 | 19.3 | 20.2 | 20.3 | 20.1 | 19.9 | 20.1 | 19.8 |
| | | 36 | 0 | 20.0 | 19.9 | 20.0 | 19.8 | 19.7 | 19.3 | 20.2 | 20.2 | 20.0 | 20.0 | 20.1 | 20.0 |



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## OUTPUT POWER FOR 5G NR n41 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 501200 | 518600 | 536000 | 501200 | 518600 | 536000 | 501200 | 518600 | 536000 | 501200 | 518600 | 536000 |
| | | | | 2506.0 | 2593.0 | 2680.0 | 2506.0 | 2593.0 | 2680.0 | 2506.0 | 2593.0 | 2680.0 | 2506.0 | 2593.0 | 2680.0 |
| 20.0 | BPSK | 1 | 0 | 24.1 | 24.1 | 24.1 | 23.9 | 23.9 | 23.5 | 23.6 | 23.4 | 23.3 | 24.0 | 24.1 | 24.0 |
| | | 1 | 1 | 24.7 | 24.5 | 24.7 | **24.4** | 24.3 | 24.0 | **24.2** | 23.8 | 23.9 | 24.1 | 24.2 | 24.1 |
| | | 1 | 49 | **24.9** | 24.5 | 24.5 | 24.3 | 24.2 | 23.7 | 24.1 | 23.7 | 23.8 | 24.1 | 24.1 | 24.0 |
| | | 1 | 50 | 24.2 | 23.9 | 24.0 | 23.8 | 23.8 | 23.1 | 23.7 | 23.3 | 23.1 | 24.0 | 24.0 | 23.9 |
| | | 25 | 12 | 24.6 | 24.5 | 24.6 | 24.3 | 24.3 | 23.9 | 24.0 | 23.9 | 23.8 | 24.0 | **24.2** | 24.1 |
| | | 50 | 0 | 24.2 | 24.0 | 24.1 | 23.8 | 23.8 | 23.4 | 23.6 | 23.4 | 23.2 | 24.0 | 24.1 | 24.0 |
| | QPSK | 1 | 0 | 23.7 | 23.5 | 23.8 | 23.4 | 23.3 | 23.1 | 23.1 | 22.8 | 22.9 | 23.6 | 23.5 | 23.5 |
| | | 1 | 1 | 24.6 | 24.4 | **24.8** | **24.4** | 24.3 | 23.9 | 24.2 | 23.9 | 23.8 | 24.1 | 24.0 | **24.2** |
| | | 1 | 49 | 24.6 | 24.5 | 24.7 | 24.3 | 24.2 | 23.8 | **24.2** | 23.7 | 23.8 | 24.0 | 24.1 | 24.0 |
| | | 1 | 50 | 23.6 | 23.5 | 23.6 | 23.3 | 23.2 | 22.8 | 23.1 | 22.8 | 22.7 | 23.4 | 23.5 | 23.4 |
| | | 25 | 12 | 24.7 | 24.5 | 24.7 | **24.4** | 24.3 | 23.9 | 24.0 | 23.9 | 23.7 | 24.1 | 24.1 | 24.1 |
| | | 50 | 0 | 23.7 | 23.6 | 23.6 | 23.4 | 23.3 | 22.9 | 23.0 | 22.7 | 22.7 | 23.4 | 23.5 | 23.5 |
| | 16QAM | 1 | 0 | 22.5 | 22.2 | 22.6 | 22.4 | 22.4 | 22.1 | 21.9 | 22.0 | 21.6 | 22.7 | 22.6 | 22.2 |
| | | 1 | 1 | 23.7 | 23.5 | 23.7 | 23.3 | 23.3 | 23.2 | 23.1 | 22.7 | 22.7 | 23.5 | 23.5 | 23.5 |
| | | 1 | 49 | **23.8** | 23.6 | 23.7 | 23.2 | 23.1 | 22.8 | 22.9 | 23.0 | 22.7 | 23.4 | 23.6 | 23.2 |
| | | 1 | 50 | 22.8 | 22.4 | 22.5 | 22.1 | 22.3 | 21.8 | 22.1 | 22.0 | 21.6 | 22.5 | 22.7 | 22.5 |
| | | 25 | 12 | 23.6 | 23.5 | 23.6 | **23.3** | 23.3 | 22.8 | **23.1** | 22.9 | 22.8 | 23.4 | **23.6** | 23.5 |
| | | 50 | 0 | 22.7 | 22.4 | 22.6 | 22.3 | 22.3 | 21.8 | 22.0 | 21.8 | 21.6 | 22.3 | 22.5 | 22.4 |
| | 64QAM | 1 | 0 | 22.3 | 21.8 | 22.1 | **22.0** | 21.9 | 21.9 | 21.7 | 21.4 | 21.1 | 22.0 | 22.0 | 22.2 |
| | | 1 | 1 | 22.3 | 22.1 | 22.0 | 21.9 | 22.0 | 21.8 | **21.7** | 21.3 | 21.0 | 22.1 | 22.1 | **22.2** |
| | | 1 | 49 | **22.3** | 22.0 | 21.9 | 21.6 | 21.9 | 21.5 | 21.4 | 21.1 | 21.0 | 21.7 | 21.9 | 22.1 |
| | | 1 | 50 | 21.9 | 22.1 | 22.0 | 21.5 | 21.8 | 21.7 | 21.4 | 21.0 | 21.3 | 21.7 | 22.0 | 22.1 |
| | | 25 | 12 | 22.1 | 22.0 | 22.1 | 21.7 | 21.8 | 21.4 | 21.4 | 21.3 | 21.2 | 21.8 | 21.9 | 22.0 |
| | | 50 | 0 | 22.1 | 22.0 | 22.1 | 21.9 | 21.8 | 21.4 | 21.5 | 21.3 | 21.2 | 21.9 | 21.9 | 22.0 |
| | 256QAM | 1 | 0 | 20.2 | 20.3 | 20.2 | 19.9 | **20.1** | 19.4 | 19.6 | 18.9 | 19.5 | 19.9 | 19.8 | 20.1 |
| | | 1 | 1 | 20.3 | 20.2 | **20.4** | 19.9 | 19.9 | 19.4 | **19.8** | 19.2 | 19.5 | 20.0 | 19.9 | 20.0 |
| | | 1 | 49 | 20.0 | 20.0 | 20.1 | 19.8 | 19.8 | 19.3 | 19.7 | 19.4 | 19.1 | 19.8 | 19.8 | 19.9 |
| | | 1 | 50 | 20.0 | 19.7 | 20.1 | 19.9 | 19.7 | 19.3 | 19.5 | 18.7 | 19.0 | 19.8 | 19.8 | **20.2** |
| | | 25 | 12 | 20.1 | 19.9 | 20.1 | 19.9 | 19.8 | 19.4 | 19.5 | 19.4 | 19.2 | 19.8 | 20.1 | 19.9 |
| | | 50 | 0 | 20.1 | 20.0 | 20.1 | 19.8 | 19.7 | 19.4 | 19.4 | 19.3 | 19.1 | 19.9 | 20.0 | 20.0 |

## OUTPUT POWER FOR 5G NR n41 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 501702 | 518600 | 535500 | 501702 | 518600 | 535500 | 501702 | 518600 | 535500 | 501702 | 518600 | 535500 |
| | | | | 2508.5 | 2593.0 | 2677.5 | 2508.5 | 2593.0 | 2677.5 | 2508.5 | 2593.0 | 2677.5 | 2508.5 | 2593.0 | 2677.5 |
| 25.0 | BPSK | 1 | 0 | 24.2 | 24.1 | 24.2 | 23.8 | 23.8 | 23.5 | 23.6 | 23.3 | 23.4 | 24.2 | 24.1 | 24.1 |
| | | 1 | 1 | **24.8** | 24.5 | 24.7 | **24.4** | 24.3 | 24.0 | **24.2** | 23.9 | 23.9 | 24.3 | 24.2 | 24.1 |
| | | 1 | 63 | 24.7 | 24.4 | 24.4 | 24.3 | 24.1 | 23.6 | 24.0 | 23.7 | 23.7 | 24.0 | 24.3 | 24.0 |
| | | 1 | 64 | 24.3 | 24.0 | 24.0 | 23.7 | 23.7 | 23.1 | 23.6 | 23.2 | 23.2 | 24.0 | 24.1 | 24.1 |
| | | 32 | 16 | 24.7 | 24.5 | 24.6 | **24.4** | 24.3 | 23.9 | 24.1 | 23.9 | 23.9 | 24.2 | **24.4** | 24.3 |
| | | 64 | 0 | 24.2 | 24.0 | 24.2 | 23.8 | 23.7 | 23.3 | 23.6 | 23.3 | 23.2 | 24.1 | 24.0 | 24.2 |
| | QPSK | 1 | 0 | 23.7 | 23.5 | 23.7 | 23.2 | 23.3 | 23.1 | 23.2 | 22.8 | 22.8 | 23.7 | 23.6 | 23.5 |
| | | 1 | 1 | 24.7 | 24.5 | 24.6 | **24.4** | 24.3 | 24.1 | **24.1** | 23.8 | 23.8 | 24.2 | 24.1 | 24.2 |
| | | 1 | 63 | **24.8** | 24.5 | 24.5 | 24.3 | 24.2 | 23.6 | 24.0 | 23.7 | 23.6 | 23.9 | 24.1 | 24.1 |
| | | 1 | 64 | 23.8 | 23.5 | 23.5 | 23.1 | 23.1 | 22.7 | 23.0 | 22.8 | 22.6 | 23.4 | 23.5 | 23.4 |
| | | 32 | 16 | **24.8** | 24.5 | 24.7 | **24.4** | 24.3 | 23.9 | **24.1** | 23.9 | 23.8 | 24.2 | 24.2 | **24.3** |
| | | 64 | 0 | 23.7 | 23.5 | 23.6 | 23.3 | 23.2 | 22.9 | 23.1 | 22.8 | 22.8 | 23.5 | 23.6 | 23.7 |
| | 16QAM | 1 | 0 | 22.4 | 22.3 | 22.7 | 22.2 | 22.1 | 22.0 | 22.0 | 22.2 | 21.9 | 22.6 | 22.7 | 22.7 |
| | | 1 | 1 | 23.5 | **23.7** | 23.6 | **23.6** | 23.1 | 23.1 | 23.0 | 22.7 | 22.8 | 23.7 | **23.9** | **23.9** |
| | | 1 | 63 | 23.6 | **23.7** | 23.6 | 23.4 | 23.0 | 22.6 | 22.8 | 23.0 | 22.6 | 23.6 | 23.6 | 23.6 |
| | | 1 | 64 | 22.7 | 22.5 | 22.3 | 22.2 | 22.0 | 21.7 | 22.1 | 21.9 | 21.6 | 22.4 | 22.6 | 22.9 |
| | | 32 | 16 | **23.7** | 23.5 | 23.6 | 23.4 | 23.3 | 22.8 | **23.1** | 22.8 | 22.7 | 23.4 | 23.7 | 23.4 |
| | | 64 | 0 | 22.6 | 22.5 | 22.7 | 22.3 | 22.2 | 21.9 | 22.0 | 21.8 | 21.8 | 22.5 | 22.5 | 22.6 |
| | 64QAM | 1 | 0 | 21.7 | 21.8 | 22.0 | 21.5 | **21.8** | 21.2 | 21.5 | 21.3 | **21.6** | 22.3 | 22.1 | 21.9 |
| | | 1 | 1 | 21.7 | 22.0 | **22.1** | 21.6 | **21.8** | 21.2 | 21.5 | 21.3 | 21.2 | 22.2 | 21.9 | **22.4** |
| | | 1 | 63 | 21.8 | 21.9 | 21.9 | 21.5 | 21.7 | 21.1 | 21.5 | 21.0 | 21.2 | 21.9 | 22.2 | **22.4** |
| | | 1 | 64 | **22.1** | 22.0 | 21.8 | 21.4 | **21.8** | 21.1 | 21.1 | 21.3 | 21.1 | 22.0 | 22.2 | **22.4** |
| | | 32 | 16 | **22.1** | **22.1** | 22.0 | **21.8** | 21.6 | 21.4 | 21.5 | 21.3 | 21.3 | 22.0 | 22.2 | 22.0 |
| | | 64 | 0 | **22.1** | 22.0 | 22.0 | 21.7 | 21.7 | 21.3 | **21.6** | 21.3 | 21.3 | 21.9 | 22.1 | 22.1 |
| | 256QAM | 1 | 0 | **20.3** | 20.2 | 20.1 | 19.7 | 19.7 | 19.5 | **20.0** | 19.3 | 19.4 | 20.3 | 19.9 | **20.4** |
| | | 1 | 1 | 20.1 | 19.9 | 20.1 | 19.7 | 19.7 | 19.7 | 19.5 | 19.3 | 19.2 | 20.2 | 20.1 | 19.9 |
| | | 1 | 63 | 20.1 | 19.6 | 20.0 | **19.9** | 19.4 | 19.2 | 19.4 | 19.2 | 18.9 | 20.2 | 20.0 | 19.8 |
| | | 1 | 64 | 20.1 | 19.7 | **20.3** | **19.9** | 19.3 | 19.3 | 19.8 | 19.2 | 18.9 | 20.1 | 20.3 | 19.8 |
| | | 32 | 16 | 20.1 | 20.0 | 20.1 | 19.8 | 19.7 | 19.3 | 19.5 | 19.2 | 19.2 | 20.1 | 20.2 | 20.1 |
| | | 64 | 0 | 20.1 | 20.0 | 20.1 | 19.8 | 19.8 | 19.3 | 19.6 | 19.3 | 19.3 | 20.0 | 20.1 | 20.0 |




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## OUTPUT POWER FOR 5G NR n41 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 502200 | 518600 | 525000 | 502200 | 518600 | 525000 | 502200 | 518600 | 525000 | 502200 | 518600 | 525000 |
| | | | | 2511.0 | 2593.0 | 2675.0 | 2511.0 | 2593.0 | 2675.0 | 2511.0 | 2593.0 | 2675.0 | 2511.0 | 2593.0 | 2675.0 |
| 30.0 | BPSK | 1 | 0 | 24.3 | 24.1 | 24.2 | 23.9 | 23.9 | 23.5 | 23.7 | 23.3 | 23.4 | 24.1 | 24.1 | 24.0 |
| | | 1 | 1 | **24.8** | 24.5 | 24.8 | 24.4 | 24.4 | 24.0 | **24.2** | 23.9 | 23.9 | 24.2 | 24.1 | 24.1 |
| | | 1 | 76 | 24.8 | 24.4 | 24.5 | 24.3 | 24.1 | 23.7 | 24.1 | 23.8 | 23.7 | 23.9 | 24.2 | 24.0 |
| | | 1 | 77 | 24.3 | 24.0 | 24.0 | 23.8 | 23.8 | 23.2 | 23.6 | 23.3 | 23.2 | 23.9 | 24.0 | 24.0 |
| | | 36 | 18 | 24.7 | 24.5 | 24.7 | **24.4** | 24.3 | 24.0 | 24.1 | 23.9 | 23.9 | 24.1 | **24.3** | 24.2 |
| | | 75 | 0 | 24.2 | 24.0 | 24.2 | 23.9 | 23.8 | 23.4 | 23.6 | 23.3 | 23.2 | 24.0 | 24.0 | 24.1 |
| | QPSK | 1 | 0 | 23.7 | 23.5 | 23.7 | 23.3 | 23.4 | 23.1 | 23.2 | 22.8 | 22.9 | 23.6 | 23.5 | 23.4 |
| | | 1 | 1 | 24.7 | 24.5 | 24.7 | **24.5** | 24.4 | 24.1 | **24.1** | 23.9 | 23.8 | 24.2 | 24.1 | 24.2 |
| | | 1 | 76 | **24.9** | 24.5 | 24.5 | 24.3 | 24.2 | 23.7 | 24.1 | 23.7 | 23.6 | 23.9 | 24.1 | 24.0 |
| | | 1 | 77 | 23.8 | 23.5 | 23.5 | 23.2 | 23.2 | 22.7 | 23.0 | 22.8 | 22.7 | 23.3 | 23.4 | 23.4 |
| | | 36 | 18 | 24.8 | 24.5 | 24.7 | 24.4 | 24.3 | 24.0 | 24.1 | 23.9 | 23.9 | 24.1 | 24.2 | **24.2** |
| | | 75 | 0 | 23.7 | 23.5 | 23.6 | 23.4 | 23.3 | 23.0 | 23.1 | 22.9 | 22.8 | 23.5 | 23.5 | 23.6 |
| | 16QAM | 1 | 0 | 22.4 | 22.4 | 22.7 | 22.3 | 22.2 | 22.0 | 22.1 | 22.2 | 22.0 | 22.5 | 22.6 | 22.7 |
| | | 1 | 1 | 23.6 | **23.8** | 23.6 | **23.6** | 23.1 | 23.2 | 23.0 | 22.8 | 22.9 | 23.6 | 23.8 | **23.9** |
| | | 1 | 76 | 23.7 | 23.7 | 23.6 | 23.5 | 23.1 | 22.7 | 22.8 | 23.0 | 22.7 | 23.5 | 23.5 | 23.5 |
| | | 1 | 77 | 22.7 | 22.5 | 22.3 | 22.3 | 22.0 | 21.8 | 22.1 | 21.9 | 21.7 | 22.3 | 22.5 | 22.8 |
| | | 36 | 18 | 23.7 | 23.5 | 23.6 | 23.5 | 23.3 | 22.9 | **23.1** | 22.9 | 22.7 | 23.3 | 23.6 | 23.4 |
| | | 75 | 0 | 22.7 | 22.6 | 22.7 | 22.4 | 22.3 | 22.0 | 22.1 | 21.8 | 21.8 | 22.4 | 22.5 | 22.6 |
| | 64QAM | 1 | 0 | 21.7 | 21.8 | 22.1 | 21.6 | **21.9** | 21.2 | 21.6 | 21.3 | **21.6** | 22.2 | 22.0 | 21.8 |
| | | 1 | 1 | 21.8 | 22.1 | 22.1 | 21.7 | 21.8 | 21.2 | 21.6 | 21.3 | 21.2 | 22.1 | 21.8 | **22.4** |
| | | 1 | 76 | 21.9 | 21.9 | 21.9 | 21.6 | 21.7 | 21.2 | 21.5 | 21.0 | 21.3 | 21.8 | 22.2 | 22.3 |
| | | 1 | 77 | 22.1 | 22.1 | 21.8 | 21.5 | 21.8 | 21.2 | 21.2 | 21.4 | 21.1 | 21.9 | 22.2 | 22.3 |
| | | 36 | 18 | 22.1 | 22.1 | 22.0 | **21.9** | 21.7 | 21.4 | 21.5 | 21.4 | 21.3 | 21.9 | 22.1 | 21.9 |
| | | 75 | 0 | **22.2** | 22.0 | 22.1 | 21.8 | 21.8 | 21.4 | 21.6 | 21.3 | 21.3 | 21.9 | 22.1 | 22.0 |
| | 256QAM | 1 | 0 | **20.4** | 20.2 | 20.1 | 19.8 | 19.8 | 19.6 | **20.0** | 19.3 | 19.5 | 20.3 | 19.8 | **20.4** |
| | | 1 | 1 | 20.1 | 20.0 | 20.2 | 19.8 | 19.8 | 19.7 | 19.6 | 19.3 | 19.2 | 20.1 | 20.0 | 19.8 |
| | | 1 | 76 | 20.2 | 19.6 | 20.0 | **20.0** | 19.5 | 19.2 | 19.4 | 19.2 | 19.0 | 20.1 | 19.9 | 19.8 |
| | | 1 | 77 | 20.1 | 19.8 | 20.3 | 20.0 | 19.4 | 19.4 | 19.9 | 19.3 | 18.9 | 20.0 | 20.3 | 19.7 |
| | | 36 | 18 | 20.1 | 20.0 | 20.1 | 19.9 | 19.8 | 19.4 | 19.6 | 19.3 | 19.3 | 20.0 | 20.1 | 20.0 |
| | | 75 | 0 | 20.1 | 20.0 | 20.1 | 19.9 | 19.8 | 19.4 | 19.6 | 19.3 | 19.3 | 19.9 | 20.0 | 19.9 |

## OUTPUT POWER FOR 5G NR n41 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 503200 | 518600 | 534000 | 503200 | 518600 | 534000 | 503200 | 518600 | 534000 | 503200 | 518600 | 534000 |
| | | | | 2516.0 | 2593.0 | 2670.0 | 2516.0 | 2593.0 | 2670.0 | 2516.0 | 2593.0 | 2670.0 | 2516.0 | 2593.0 | 2670.0 |
| 40.0 | BPSK | 1 | 0 | 24.2 | 24.1 | 24.3 | 24.0 | 23.9 | 23.6 | 23.7 | 23.4 | 23.5 | 24.1 | 24.0 | 24.1 |
| | | 1 | 1 | 24.7 | 24.6 | 24.7 | **24.4** | 24.3 | 24.2 | 24.1 | 24.0 | 23.8 | **24.3** | 24.2 | 24.2 |
| | | 1 | 104 | **24.9** | 24.5 | 24.4 | 24.4 | 24.1 | 23.7 | **24.2** | 23.9 | 23.7 | 24.1 | 24.1 | 24.0 |
| | | 1 | 105 | 24.3 | 24.0 | 24.0 | 23.9 | 23.7 | 23.2 | 23.7 | 23.2 | 23.2 | 23.9 | 24.0 | 24.1 |
| | | 50 | 25 | 24.7 | 24.6 | 24.7 | **24.4** | 24.3 | 24.0 | 24.1 | 23.9 | 23.8 | 23.9 | 24.1 | 24.1 |
| | | 100 | 0 | 24.3 | 24.1 | 24.1 | 23.8 | 23.8 | 23.5 | 23.6 | 23.4 | 23.3 | 23.9 | 24.1 | 24.0 |
| | QPSK | 1 | 0 | 23.7 | 23.7 | 23.8 | 23.4 | 23.3 | 23.1 | 23.2 | 23.1 | 22.9 | 23.6 | 23.6 | 23.5 |
| | | 1 | 1 | 24.8 | 24.6 | 24.7 | 24.4 | 24.4 | 24.1 | **24.2** | 24.1 | 23.9 | **24.2** | 24.0 | 24.2 |
| | | 1 | 104 | **25.0** | 24.6 | 24.6 | 24.3 | 24.3 | 23.7 | 24.1 | 23.8 | 23.7 | 24.0 | 24.1 | 24.2 |
| | | 1 | 105 | 23.9 | 23.6 | 23.6 | 23.3 | 23.1 | 22.7 | 23.2 | 22.8 | 22.6 | 23.3 | 23.5 | 23.5 |
| | | 50 | 25 | 24.7 | 24.5 | 24.7 | **24.4** | 24.4 | 24.0 | 24.1 | 23.9 | 23.9 | 23.9 | 24.1 | 24.2 |
| | | 100 | 0 | 23.8 | 23.6 | 23.7 | 23.3 | 23.4 | 23.0 | 23.2 | 22.8 | 22.8 | 23.4 | 23.6 | 23.4 |
| | 16QAM | 1 | 0 | 22.6 | 22.7 | 23.2 | 22.6 | 22.2 | 22.1 | 21.9 | 22.5 | 22.0 | 22.1 | 22.4 | 22.4 |
| | | 1 | 1 | 23.9 | 23.6 | 23.6 | 23.5 | 23.4 | 23.4 | 22.9 | **23.3** | 22.8 | 23.3 | 23.8 | 23.3 |
| | | 1 | 104 | **24.0** | 23.4 | 23.6 | **23.6** | 23.4 | 22.5 | 22.8 | 22.9 | 22.4 | 23.1 | **23.8** | 23.7 |
| | | 1 | 105 | 22.9 | 22.6 | 22.5 | 22.2 | 22.0 | 21.5 | 22.0 | 21.7 | 21.7 | 22.3 | 22.4 | 22.5 |
| | | 50 | 25 | 23.8 | 23.5 | 23.7 | 23.3 | 23.3 | 23.0 | 23.1 | 23.0 | 22.8 | 23.3 | 23.6 | 23.6 |
| | | 100 | 0 | 22.7 | 22.5 | 22.7 | 22.4 | 22.2 | 21.9 | 22.0 | 22.0 | 21.9 | 22.3 | 22.5 | 22.6 |
| | 64QAM | 1 | 0 | 22.3 | 22.2 | **22.4** | 21.5 | 21.5 | 21.4 | 21.6 | **21.7** | 21.4 | 21.8 | 21.9 | 21.9 |
| | | 1 | 1 | 22.0 | 22.1 | 22.4 | 21.8 | 21.5 | 21.4 | 21.6 | 21.5 | 21.7 | 21.8 | 21.9 | 22.0 |
| | | 1 | 104 | 22.4 | 22.3 | 22.1 | 21.6 | 21.4 | 21.1 | 21.5 | 20.8 | 21.3 | 22.0 | 21.9 | 22.0 |
| | | 1 | 105 | 22.4 | 22.2 | 22.2 | 21.8 | 21.4 | 21.1 | 21.5 | 21.0 | 21.2 | 21.6 | **22.2** | 21.8 |
| | | 50 | 25 | 22.2 | 22.0 | 22.1 | 21.8 | 21.8 | 21.6 | 21.6 | 21.3 | 21.4 | 21.8 | 22.0 | 22.1 |
| | | 100 | 0 | 22.2 | 22.0 | 22.1 | **21.9** | 21.7 | 21.4 | 21.6 | 21.4 | 21.2 | 21.8 | 22.1 | 22.0 |
| | 256QAM | 1 | 0 | 20.0 | 20.2 | 20.3 | 20.1 | **20.4** | 19.6 | 19.8 | 19.3 | 19.4 | 19.8 | 20.0 | 20.2 |
| | | 1 | 1 | 20.0 | 19.9 | 20.2 | 19.9 | 19.9 | 19.8 | **19.9** | 19.7 | 19.4 | 20.0 | 20.0 | 20.2 |
| | | 1 | 104 | 20.2 | 19.9 | 20.1 | 19.7 | 19.7 | 19.2 | 19.8 | 19.4 | 19.3 | 19.7 | 20.1 | **20.3** |
| | | 1 | 105 | **20.6** | 19.8 | 20.3 | 19.9 | 20.2 | 19.3 | 19.7 | 19.5 | 19.5 | 19.8 | 20.0 | 19.8 |
| | | 50 | 25 | 20.2 | 20.0 | 20.1 | 19.9 | 19.8 | 19.4 | 19.6 | 19.4 | 19.3 | 19.9 | 20.1 | 20.0 |
| | | 100 | 0 | 20.2 | 20.0 | 20.2 | 19.9 | 19.8 | 19.5 | 19.6 | 19.4 | 19.3 | 19.9 | 20.1 | 20.1 |



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## OUTPUT POWER FOR 5G NR n41 (50.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 504200 | 518600 | 533000 | 504200 | 518600 | 533000 | 504200 | 518600 | 533000 | 504200 | 518600 | 533000 |
| | | | | 2521.0 | 2593.0 | 2665.0 | 2521.0 | 2593.0 | 2665.0 | 2521.0 | 2593.0 | 2665.0 | 2521.0 | 2593.0 | 2665.0 |
| 50.0 | BPSK | 1 | 0 | 24.3 | 24.3 | 24.3 | 24.1 | 24.0 | 23.7 | 23.7 | 23.7 | 23.3 | 24.0 | 24.0 | 24.0 |
| | | 1 | 1 | 24.7 | 24.8 | 24.8 | 24.5 | **24.5** | 24.1 | **24.3** | 24.2 | 23.8 | 24.2 | 24.1 | 24.2 |
| | | 1 | 131 | **24.8** | 24.7 | 24.7 | 24.4 | 24.2 | 23.7 | 24.2 | 23.8 | 23.8 | 24.1 | **24.4** | 24.3 |
| | | 1 | 132 | 24.3 | 24.1 | 24.1 | 23.9 | 23.7 | 23.2 | 23.6 | 23.4 | 23.2 | 24.1 | 24.2 | 24.0 |
| | | 64 | 32 | 24.8 | 24.6 | 24.7 | 24.3 | 24.4 | 24.1 | 24.1 | 24.0 | 23.8 | 24.0 | 24.2 | 24.1 |
| | | 128 | 0 | 24.3 | 24.1 | 24.1 | 23.9 | 23.9 | 23.5 | 23.5 | 23.3 | 23.2 | 23.9 | 24.0 | 24.1 |
| | QPSK | 1 | 0 | 23.8 | 23.7 | 23.7 | 23.4 | 23.4 | 23.2 | 23.2 | 23.1 | 22.8 | 23.5 | 23.4 | 23.5 |
| | | 1 | 1 | 24.7 | 24.8 | 24.7 | **24.5** | 24.5 | 24.1 | **24.2** | 24.1 | 23.8 | **24.2** | 24.2 | 24.2 |
| | | 1 | 131 | **24.8** | 24.7 | 24.5 | 24.3 | 24.1 | 23.8 | 24.1 | 23.9 | 23.8 | 24.1 | 24.2 | 24.1 |
| | | 1 | 132 | 23.9 | 23.7 | 23.6 | 23.3 | 23.2 | 22.7 | 23.1 | 22.8 | 22.7 | 23.4 | 23.7 | 23.4 |
| | | 64 | 32 | 24.7 | 24.5 | 24.8 | 24.4 | 24.3 | 24.0 | 24.0 | 23.9 | 23.8 | 23.9 | 24.2 | 24.1 |
| | | 128 | 0 | 23.8 | 23.6 | 23.7 | 23.4 | 23.3 | 23.0 | 23.1 | 22.9 | 22.7 | 23.5 | 23.5 | 23.4 |
| | 16QAM | 1 | 0 | 23.0 | 22.7 | 22.8 | 22.5 | 22.4 | 22.0 | 22.3 | 22.1 | 22.2 | 22.5 | 22.4 | 22.8 |
| | | 1 | 1 | 23.4 | 23.6 | **23.9** | 23.1 | **23.5** | 23.2 | 23.0 | 22.9 | 23.1 | 23.7 | **23.9** | 23.6 |
| | | 1 | 131 | 23.7 | 23.8 | 23.5 | 23.3 | 23.3 | 22.7 | **23.2** | 22.5 | 22.7 | 23.4 | 23.4 | 23.6 |
| | | 1 | 132 | 23.0 | 22.4 | 22.6 | 22.6 | 22.2 | 21.7 | 22.2 | 21.6 | 21.8 | 22.1 | 23.0 | 22.7 |
| | | 64 | 32 | 23.7 | 23.6 | 23.7 | 23.3 | 23.2 | 23.0 | 23.1 | 22.9 | 22.7 | 23.4 | 23.5 | 23.4 |
| | | 128 | 0 | 22.8 | 22.6 | 22.6 | 22.3 | 22.3 | 22.0 | 22.1 | 21.9 | 21.7 | 22.3 | 22.6 | 22.5 |
| | 64QAM | 1 | 0 | 22.4 | 22.4 | 22.0 | 21.8 | 21.7 | 21.5 | **21.8** | 21.8 | 21.6 | 21.7 | 22.1 | 22.1 |
| | | 1 | 1 | 22.3 | 22.1 | 22.2 | 21.7 | 21.6 | 21.4 | 21.7 | 21.7 | 21.3 | 21.8 | 22.2 | 21.8 |
| | | 1 | 131 | **22.4** | 22.1 | 21.7 | 21.8 | 21.4 | 20.9 | 21.3 | 21.6 | 21.4 | 21.8 | 22.4 | **22.5** |
| | | 1 | 132 | 22.2 | 22.1 | 21.9 | 21.8 | 21.4 | 21.1 | 21.4 | 21.4 | 21.1 | 21.6 | 22.0 | 22.1 |
| | | 64 | 32 | 22.3 | 22.0 | 22.0 | 21.8 | 21.8 | 21.5 | 21.4 | 21.4 | 21.2 | 21.8 | 22.0 | 22.0 |
| | | 128 | 0 | 22.3 | 22.1 | 22.1 | **21.8** | 21.7 | 21.4 | 21.5 | 21.4 | 21.3 | 21.8 | 22.1 | 21.9 |
| | 256QAM | 1 | 0 | 20.3 | 20.2 | **20.6** | 19.7 | **20.2** | 19.5 | 19.5 | **19.7** | 19.4 | 19.9 | 19.8 | 19.9 |
| | | 1 | 1 | 19.9 | 20.2 | 20.1 | 19.9 | 20.2 | 19.5 | 19.5 | 19.4 | 19.4 | 19.8 | 19.8 | 19.9 |
| | | 1 | 131 | 20.3 | 20.3 | 20.1 | 19.9 | 19.9 | 19.3 | 19.6 | 19.1 | 19.2 | 19.8 | 19.8 | 19.8 |
| | | 1 | 132 | 20.1 | 19.9 | 19.9 | 19.8 | 19.9 | 19.2 | 19.6 | 19.1 | 19.2 | 19.8 | 19.8 | 19.9 |
| | | 64 | 32 | 20.3 | 20.1 | 20.2 | 19.8 | 19.8 | 19.6 | 19.5 | 19.3 | 19.2 | 19.8 | **20.1** | 19.9 |
| | | 128 | 0 | 20.2 | 20.1 | 20.1 | 19.9 | 19.7 | 19.4 | 19.5 | 19.4 | 19.2 | 20.0 | 20.0 | 19.9 |

## OUTPUT POWER FOR 5G NR n41 (60.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 505200 | 518600 | 532000 | 505200 | 518600 | 532000 | 505200 | 518600 | 532000 | 505200 | 518600 | 532000 |
| | | | | 2526.0 | 2593.0 | 2660.0 | 2526.0 | 2593.0 | 2660.0 | 2526.0 | 2593.0 | 2660.0 | 2526.0 | 2593.0 | 2660.0 |
| 60.0 | BPSK | 1 | 0 | 24.2 | 24.2 | 24.3 | 24.0 | 23.9 | 23.6 | 23.7 | 23.6 | 23.2 | 24.1 | 24.0 | 24.0 |
| | | 1 | 1 | 24.7 | 24.8 | 24.7 | **24.5** | **24.5** | 24.1 | 24.2 | 24.1 | 23.8 | **24.2** | 24.1 | 24.1 |
| | | 1 | 160 | **24.9** | 24.7 | 24.6 | 24.4 | 24.2 | 23.8 | **24.2** | 23.7 | 23.6 | 24.2 | 24.1 | 24.0 |
| | | 1 | 161 | 24.3 | 24.1 | 24.1 | 23.9 | 23.6 | 23.1 | 23.7 | 23.2 | 23.0 | 24.1 | 24.0 | 24.1 |
| | | 81 | 40 | 24.9 | 24.6 | 24.6 | 24.3 | 24.2 | 24.1 | 24.1 | 23.9 | 23.8 | 24.0 | 24.1 | **24.2** |
| | | 162 | 0 | 24.2 | 24.1 | 24.2 | 23.8 | 23.8 | 23.5 | 23.6 | 23.3 | 23.2 | 24.0 | 24.0 | 24.0 |
| | QPSK | 1 | 0 | 23.7 | 23.8 | 23.7 | 23.4 | 23.3 | 23.2 | 23.2 | 23.1 | 22.9 | 23.6 | 23.5 | 23.6 |
| | | 1 | 1 | 24.8 | 24.8 | 24.7 | **24.4** | 24.4 | 24.2 | 24.2 | 24.1 | 23.8 | 24.1 | 24.1 | 24.0 |
| | | 1 | 160 | **24.9** | 24.7 | 24.6 | 24.4 | 24.1 | 23.8 | **24.3** | 23.8 | 23.6 | 24.2 | 24.1 | 24.0 |
| | | 1 | 161 | 23.8 | 23.6 | 23.6 | 23.4 | 23.0 | 22.8 | 23.0 | 22.7 | 22.7 | 23.6 | 23.5 | 23.5 |
| | | 81 | 40 | **24.9** | 24.6 | 24.7 | 24.4 | 24.2 | 24.1 | 24.0 | 23.9 | 23.8 | 23.9 | **24.2** | 24.1 |
| | | 162 | 0 | 23.8 | 23.5 | 23.7 | 23.4 | 23.3 | 23.0 | 23.0 | 22.8 | 22.6 | 23.4 | 23.5 | 23.5 |
| | 16QAM | 1 | 0 | 22.6 | 23.0 | 22.6 | 22.6 | 22.0 | 22.0 | 21.9 | 21.7 | 21.7 | 22.6 | 22.6 | 22.7 |
| | | 1 | 1 | 23.6 | **24.0** | 23.5 | 23.5 | 23.4 | 22.9 | 23.2 | **23.3** | 22.9 | 23.8 | 23.6 | **24.0** |
| | | 1 | 160 | 23.7 | 23.7 | 23.6 | **23.5** | 22.8 | 22.8 | 23.1 | 23.0 | 22.8 | 23.8 | 23.9 | 23.3 |
| | | 1 | 161 | 22.8 | 22.8 | 22.3 | 22.4 | 22.0 | 21.5 | 22.2 | 21.4 | 21.3 | 22.6 | 22.5 | 22.5 |
| | | 81 | 40 | 23.7 | 23.6 | 23.7 | 23.4 | 23.3 | 23.2 | 23.0 | 22.8 | 22.8 | 23.4 | 23.5 | 23.4 |
| | | 162 | 0 | 22.8 | 22.5 | 22.6 | 22.3 | 22.4 | 22.0 | 22.1 | 21.7 | 21.8 | 22.2 | 22.4 | 22.4 |
| | 64QAM | 1 | 0 | 22.0 | 22.2 | 21.9 | 21.7 | 21.8 | 21.6 | 21.5 | 21.5 | 21.5 | 22.0 | 22.2 | 22.0 |
| | | 1 | 1 | 22.3 | **22.3** | 22.0 | 22.0 | **22.1** | 21.5 | 21.6 | 21.3 | 21.2 | 22.2 | 21.9 | 22.1 |
| | | 1 | 160 | 22.3 | 22.0 | 21.8 | 21.9 | 21.8 | 21.2 | 21.4 | 21.0 | 21.2 | **22.2** | 21.9 | 21.9 |
| | | 1 | 161 | 22.3 | 22.1 | 22.0 | 21.8 | 21.3 | 21.2 | 21.5 | 21.3 | 21.2 | 22.2 | 21.9 | 21.9 |
| | | 81 | 40 | 22.3 | 22.0 | 22.3 | 21.8 | 21.7 | 21.5 | 21.5 | 21.3 | 21.3 | 21.7 | 22.0 | 21.9 |
| | | 162 | 0 | 22.2 | 22.0 | 22.2 | 21.8 | 21.7 | 21.5 | **21.6** | 21.3 | 21.3 | 21.8 | 22.1 | 21.9 |
| | 256QAM | 1 | 0 | 20.0 | 20.0 | 20.0 | 19.8 | 20.0 | 19.6 | 19.6 | 19.4 | 19.6 | 19.7 | 20.4 | 20.1 |
| | | 1 | 1 | 20.0 | 20.1 | 20.3 | 19.7 | **20.0** | 19.3 | 19.6 | 19.4 | 19.3 | 19.9 | 20.2 | 19.8 |
| | | 1 | 160 | **20.5** | 20.1 | 20.2 | 19.9 | 19.7 | 19.3 | 19.4 | **19.7** | 19.3 | 20.0 | 20.2 | 19.7 |
| | | 1 | 161 | 20.2 | 20.0 | 20.2 | 19.7 | 19.4 | 19.0 | 19.5 | 18.9 | 19.0 | 19.9 | **20.4** | 20.1 |
| | | 81 | 40 | 20.2 | 20.1 | 20.2 | 19.8 | 19.8 | 19.5 | 19.6 | 19.3 | 19.2 | 19.8 | 20.0 | 20.0 |
| | | 162 | 0 | 20.2 | 20.1 | 20.1 | 19.8 | 19.7 | 19.5 | 19.5 | 19.3 | 19.2 | 19.8 | 20.1 | 19.8 |



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## OUTPUT POWER FOR 5G NR n41 (70.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 506200 | 518600 | 531000 | 506200 | 518600 | 531000 | 506200 | 518600 | 531000 | 506200 | 518600 | 531000 |
| | | | | 2531.0 | 2593.0 | 2655.0 | 2531.0 | 2593.0 | 2655.0 | 2531.0 | 2593.0 | 2655.0 | 2531.0 | 2593.0 | 2655.0 |
| 70.0 | BPSK | 1 | 0 | 24.3 | 24.3 | 24.1 | 24.1 | 24.1 | 23.7 | 23.7 | 23.7 | 23.4 | 24.1 | 24.1 | 24.1 |
| | | 1 | 1 | 24.8 | **24.9** | 24.7 | **24.5** | 24.5 | 24.2 | **24.3** | 24.1 | 23.9 | 24.1 | 24.2 | 24.2 |
| | | 1 | 187 | 24.9 | 24.7 | 24.6 | 24.5 | 24.2 | 23.7 | 24.2 | 23.7 | 23.7 | 24.2 | **24.3** | 24.2 |
| | | 1 | 188 | 24.4 | 24.2 | 24.1 | 24.0 | 23.7 | 23.3 | 23.7 | 23.3 | 23.2 | 24.1 | 24.2 | 24.1 |
| | | 90 | 45 | 24.8 | 24.6 | 24.7 | 24.4 | 24.3 | 24.0 | 24.2 | 23.8 | 23.8 | 24.0 | 24.3 | 24.0 |
| | | 180 | 0 | 24.4 | 24.0 | 24.2 | 24.0 | 23.7 | 23.5 | 23.6 | 23.3 | 23.3 | 23.9 | 24.0 | 23.9 |
| | QPSK | 1 | 0 | 23.9 | 23.9 | 23.7 | 23.4 | 23.5 | 23.1 | 23.2 | 23.1 | 22.7 | 23.6 | 23.5 | 23.6 |
| | | 1 | 1 | 24.8 | 24.8 | 24.7 | 24.5 | **24.6** | 24.2 | 24.2 | **24.2** | 23.8 | 24.2 | 24.2 | 24.2 |
| | | 1 | 187 | **24.8** | 24.8 | 24.6 | 24.4 | 24.3 | 23.8 | 24.1 | 23.8 | 23.7 | **24.3** | 24.3 | 24.1 |
| | | 1 | 188 | 23.9 | 23.7 | 23.7 | 23.5 | 23.3 | 22.8 | 23.2 | 22.8 | 22.7 | 23.6 | 23.6 | 23.6 |
| | | 90 | 45 | 24.8 | 24.6 | 24.7 | 24.4 | 24.3 | 24.1 | 24.2 | 23.9 | 23.8 | 23.9 | 24.1 | 24.2 |
| | | 180 | 0 | 23.8 | 23.6 | 23.7 | 23.4 | 23.4 | 23.1 | 23.1 | 23.0 | 22.8 | 23.2 | 23.6 | 23.4 |
| | 16QAM | 1 | 0 | 22.7 | 22.9 | 22.8 | 22.5 | 22.5 | 22.4 | 22.3 | 22.0 | 21.7 | 22.8 | 22.3 | 22.8 |
| | | 1 | 1 | 23.4 | **24.1** | 23.7 | **23.8** | 23.7 | 23.3 | 23.2 | 23.1 | 22.8 | 23.6 | **23.8** | 23.5 |
| | | 1 | 187 | 23.8 | 23.8 | 23.8 | 23.8 | 23.5 | 23.0 | **23.3** | 22.7 | 22.7 | 23.6 | 23.7 | 23.2 |
| | | 1 | 188 | 22.8 | 22.6 | 22.8 | 22.3 | 22.3 | 21.9 | 22.0 | 21.6 | 21.6 | 22.5 | 22.5 | 22.4 |
| | | 90 | 45 | 23.8 | 23.5 | 23.7 | 23.4 | 23.3 | 23.1 | 23.2 | 22.9 | 22.7 | 23.3 | 23.6 | 23.4 |
| | | 180 | 0 | 22.7 | 22.6 | 22.7 | 22.3 | 22.2 | 22.1 | 22.1 | 21.9 | 21.8 | 22.3 | 22.6 | 22.3 |
| | 64QAM | 1 | 0 | 22.0 | **22.6** | 22.4 | 21.9 | 22.0 | 21.7 | 21.6 | 21.7 | 21.3 | 21.8 | 21.9 | 22.1 |
| | | 1 | 1 | 21.9 | 22.3 | 21.9 | 22.0 | **22.0** | 21.7 | 21.6 | 21.5 | 21.0 | 21.9 | 22.2 | 22.2 |
| | | 1 | 187 | 22.2 | 22.5 | 22.0 | 22.0 | 21.7 | 21.4 | 21.5 | 21.4 | 20.8 | 21.7 | **22.2** | 21.8 |
| | | 1 | 188 | 22.0 | 22.2 | 21.9 | 22.0 | 21.7 | 21.2 | 21.5 | 21.2 | 20.9 | 21.5 | 21.6 | 22.0 |
| | | 90 | 45 | 22.3 | 22.0 | 22.1 | 21.9 | 21.8 | 21.5 | **21.7** | 21.4 | 21.2 | 21.7 | 22.0 | 22.0 |
| | | 180 | 0 | 22.3 | 22.1 | 22.2 | 21.9 | 21.8 | 21.5 | 21.6 | 21.4 | 21.3 | 21.7 | 22.1 | 21.9 |
| | 256QAM | 1 | 0 | 20.4 | **20.5** | 20.2 | 19.9 | 19.8 | 19.8 | **20.0** | 19.8 | 19.5 | 20.0 | 20.1 | 19.9 |
| | | 1 | 1 | 20.4 | 20.3 | 20.3 | 20.0 | 19.8 | 19.8 | 19.7 | 19.8 | 19.3 | 20.0 | 20.3 | 19.9 |
| | | 1 | 187 | 20.4 | 20.3 | 20.0 | 20.0 | 19.5 | 19.3 | 19.9 | 19.3 | 19.2 | 20.1 | 20.3 | **20.3** |
| | | 1 | 188 | 20.2 | 20.2 | 20.0 | **20.2** | 19.6 | 19.2 | 19.6 | 19.0 | 19.2 | 19.8 | 20.3 | 20.1 |
| | | 90 | 45 | 20.3 | 19.9 | 20.2 | 19.8 | 19.9 | 19.5 | 19.7 | 19.3 | 19.2 | 19.8 | 20.1 | 19.9 |
| | | 180 | 0 | 20.2 | 20.0 | 20.2 | 19.9 | 19.7 | 19.4 | 19.7 | 19.4 | 19.2 | 19.8 | 20.1 | 20.0 |

## OUTPUT POWER FOR 5G NR n41 (80.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 507200 | 518600 | 530000 | 507200 | 518600 | 530000 | 507200 | 518600 | 530000 | 507200 | 518600 | 530000 |
| | | | | 2536.0 | 2593.0 | 2650.0 | 2536.0 | 2593.0 | 2650.0 | 2536.0 | 2593.0 | 2650.0 | 2536.0 | 2593.0 | 2650.0 |
| 80.0 | BPSK | 1 | 0 | 24.3 | 24.6 | 24.1 | 24.1 | 24.0 | 23.7 | 23.8 | 23.8 | 23.4 | 24.2 | 24.1 | 24.2 |
| | | 1 | 1 | 24.9 | **25.1** | 24.7 | **24.6** | 24.5 | 24.3 | **24.4** | 24.2 | 24.0 | 24.3 | 24.3 | 24.3 |
| | | 1 | 215 | 24.8 | 24.8 | 24.8 | 24.5 | 24.2 | 23.8 | 24.1 | 23.8 | 23.7 | **24.4** | 24.3 | 24.2 |
| | | 1 | 216 | 24.2 | 24.3 | 24.1 | 24.0 | 23.7 | 23.3 | 23.6 | 23.4 | 23.1 | 24.2 | 24.1 | 24.0 |
| | | 108 | 54 | 24.7 | 24.6 | 24.7 | 24.4 | 24.3 | 24.0 | 24.2 | 24.0 | 23.7 | 24.1 | 24.2 | 24.1 |
| | | 216 | 0 | 24.2 | 24.2 | 24.2 | 24.0 | 23.7 | 23.6 | 23.8 | 23.5 | 23.3 | 24.1 | 24.2 | 24.0 |
| | QPSK | 1 | 0 | 23.8 | 23.9 | 23.7 | 23.6 | 23.5 | 23.3 | 23.2 | 23.3 | 23.0 | 23.8 | 23.6 | 23.7 |
| | | 1 | 1 | 24.8 | **25.0** | 24.7 | **24.6** | 24.6 | 24.4 | 24.3 | **24.3** | 23.9 | **24.3** | 24.3 | 24.3 |
| | | 1 | 215 | 24.8 | 24.9 | 24.7 | 24.5 | 24.3 | 23.9 | 24.2 | 23.9 | 23.8 | 24.3 | 24.2 | 24.2 |
| | | 1 | 216 | 23.8 | 23.8 | 23.7 | 23.5 | 23.2 | 22.8 | 23.1 | 22.8 | 22.7 | 23.7 | 23.6 | 23.6 |
| | | 108 | 54 | 24.9 | 24.6 | 24.7 | 24.3 | 24.3 | 24.0 | 24.2 | 23.9 | 23.8 | 24.1 | 24.2 | 24.0 |
| | | 216 | 0 | 23.9 | 23.7 | 23.8 | 23.4 | 23.3 | 23.1 | 23.1 | 22.8 | 22.8 | 23.5 | 23.5 | 23.5 |
| | 16QAM | 1 | 0 | 22.9 | 23.0 | 23.0 | 22.9 | 22.4 | 22.3 | 22.3 | 22.1 | 21.7 | 22.5 | 22.6 | 22.5 |
| | | 1 | 1 | 23.7 | **24.0** | 23.9 | 23.8 | 23.4 | 23.5 | 23.3 | 23.3 | 22.7 | 23.6 | 23.7 | 23.7 |
| | | 1 | 215 | 23.7 | 23.8 | 23.9 | **23.8** | 23.1 | 23.0 | 23.2 | 23.1 | 22.7 | **24.0** | 23.4 | 23.5 |
| | | 1 | 216 | 22.8 | 22.9 | 22.9 | 22.7 | 22.1 | 21.9 | 22.0 | 21.6 | 21.9 | 22.5 | 22.6 | 22.2 |
| | | 108 | 54 | 23.8 | 23.6 | 23.7 | 23.4 | 23.3 | 23.1 | **23.3** | 22.8 | 22.8 | 23.4 | 23.5 | 23.4 |
| | | 216 | 0 | 22.8 | 22.8 | 22.7 | 22.4 | 22.3 | 22.0 | 22.1 | 21.9 | 21.7 | 22.5 | 22.6 | 22.4 |
| | 64QAM | 1 | 0 | 22.3 | 22.5 | 22.1 | 22.0 | 22.1 | 21.6 | 21.8 | 21.8 | 21.6 | 22.0 | 22.6 | 22.1 |
| | | 1 | 1 | 22.0 | 22.6 | 22.3 | 22.1 | **22.3** | 21.6 | **22.2** | 21.9 | 21.6 | 22.0 | 22.4 | 22.3 |
| | | 1 | 215 | 22.1 | **22.6** | 22.1 | 22.0 | 22.0 | 21.2 | 21.9 | 21.4 | 21.4 | 21.9 | 22.3 | 22.3 |
| | | 1 | 216 | 21.9 | 22.3 | 22.4 | 21.9 | 21.6 | 21.2 | 21.9 | 21.4 | 21.3 | 22.0 | **22.7** | 22.0 |
| | | 108 | 54 | 22.3 | 22.1 | 22.2 | 21.8 | 21.8 | 21.5 | 21.7 | 21.4 | 21.3 | 22.0 | 22.1 | 21.9 |
| | | 216 | 0 | 22.3 | 22.2 | 22.2 | 21.8 | 21.7 | 21.6 | 21.7 | 21.4 | 21.3 | 21.9 | 22.0 | 21.9 |
| | 256QAM | 1 | 0 | 20.2 | **20.5** | 20.4 | **20.1** | 20.0 | 20.0 | **20.1** | 19.7 | 19.6 | **20.5** | 20.1 | 20.3 |
| | | 1 | 1 | 20.3 | **20.5** | 20.1 | 19.9 | 20.0 | 20.0 | 19.9 | 19.5 | 19.4 | 20.1 | 20.1 | 20.3 |
| | | 1 | 215 | 20.2 | 20.3 | 20.3 | 19.9 | 19.7 | 19.2 | 19.7 | 19.1 | 19.5 | 20.2 | 20.1 | 19.9 |
| | | 1 | 216 | 20.1 | 20.3 | 20.1 | 20.1 | 19.6 | 19.3 | 19.6 | 19.5 | 19.2 | 20.0 | 20.4 | 20.1 |
| | | 108 | 54 | 20.3 | 20.1 | 20.1 | 19.8 | 19.8 | 19.5 | 19.8 | 19.3 | 19.3 | 20.0 | 20.1 | 19.9 |
| | | 216 | 0 | 20.3 | 20.2 | 20.2 | 19.8 | 19.7 | 19.5 | 19.7 | 19.4 | 19.2 | 20.0 | 20.2 | 19.9 |



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## OUTPUT POWER FOR 5G NR n41 (90.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 508200 | 518600 | 529000 | 508200 | 518600 | 529000 | 508200 | 518600 | 529000 | 508200 | 518600 | 529000 |
| | | | | 2541.0 | 2593.0 | 2645.0 | 2541.0 | 2593.0 | 2645.0 | 2541.0 | 2593.0 | 2645.0 | 2541.0 | 2593.0 | 2645.0 |
| 90.0 | BPSK | 1 | 0 | 24.3 | 24.5 | 24.2 | 24.0 | 24.0 | 23.8 | 23.8 | 23.8 | 23.2 | 24.2 | 24.3 | 24.2 |
| | | 1 | 1 | 24.9 | **25.1** | 24.8 | **24.7** | 24.6 | 24.4 | **24.4** | 24.4 | 23.8 | 24.3 | 24.4 | 24.3 |
| | | 1 | 243 | 24.8 | 24.9 | 24.8 | 24.5 | 24.2 | 23.9 | 24.0 | 24.0 | 23.8 | 24.3 | **24.4** | 24.2 |
| | | 1 | 244 | 24.1 | 24.3 | 24.1 | 24.0 | 23.7 | 23.3 | 23.4 | 23.3 | 23.1 | 24.2 | 24.2 | 24.0 |
| | | 120 | 60 | 24.8 | 24.7 | 24.7 | 24.3 | 24.3 | 24.0 | 24.2 | 23.8 | 23.7 | 24.0 | 24.2 | 24.0 |
| | | 243 | 0 | 24.3 | 24.2 | 24.3 | 23.9 | 23.8 | 23.5 | 23.7 | 23.5 | 23.2 | 24.0 | 24.1 | 24.0 |
| | QPSK | 1 | 0 | 23.8 | 24.0 | 23.6 | 23.5 | 23.5 | 23.2 | 23.3 | 23.3 | 22.9 | 23.6 | 23.7 | 23.6 |
| | | 1 | 1 | 25.0 | **25.2** | 24.8 | 24.5 | **24.6** | 24.3 | 24.4 | **24.4** | 23.8 | 24.3 | **24.4** | 24.3 |
| | | 1 | 243 | 24.8 | 24.8 | 24.7 | 24.5 | 24.3 | 23.8 | 24.0 | 23.9 | 23.7 | 24.3 | 24.3 | 24.2 |
| | | 1 | 244 | 23.7 | 23.8 | 23.6 | 23.5 | 23.2 | 22.7 | 22.9 | 22.9 | 22.6 | 23.6 | 23.7 | 23.5 |
| | | 120 | 60 | 24.8 | 24.6 | 24.7 | 24.3 | 24.3 | 24.1 | 24.3 | 23.9 | 23.8 | 24.0 | 24.2 | 24.0 |
| | | 243 | 0 | 23.8 | 23.6 | 23.8 | 23.4 | 23.3 | 23.0 | 23.2 | 22.9 | 22.7 | 23.5 | 23.6 | 23.4 |
| | 16QAM | 1 | 0 | 22.6 | 23.1 | 22.4 | 22.6 | 22.6 | 22.2 | 22.3 | 22.2 | 22.0 | 22.5 | 22.4 | 22.6 |
| | | 1 | 1 | 23.7 | **24.1** | 23.6 | **23.7** | **23.7** | 23.2 | **23.7** | 23.6 | 23.2 | 23.6 | **23.8** | 23.8 |
| | | 1 | 243 | 23.9 | 23.8 | **24.1** | 23.6 | 23.4 | 22.7 | 22.9 | 23.1 | 22.8 | 23.6 | 23.8 | 23.7 |
| | | 1 | 244 | 22.8 | 22.7 | 22.5 | 22.6 | 22.4 | 21.6 | 21.7 | 21.9 | 21.8 | 22.7 | 22.3 | 22.6 |
| | | 120 | 60 | 23.8 | 23.5 | 23.7 | 23.3 | 23.4 | 23.1 | 23.3 | 22.9 | 22.8 | 23.5 | 23.6 | 23.4 |
| | | 243 | 0 | 22.7 | 22.7 | 22.6 | 22.4 | 22.3 | 22.1 | 22.3 | 21.9 | 21.8 | 22.6 | 22.5 | 22.4 |
| | 64QAM | 1 | 0 | **22.6** | 22.6 | 22.0 | 21.9 | 22.1 | 21.6 | 21.7 | 21.3 | 21.2 | 22.2 | 21.8 | 22.4 |
| | | 1 | 1 | 22.1 | **22.6** | 22.1 | 22.0 | 22.1 | 21.9 | **22.0** | 21.7 | 21.2 | 22.4 | 21.9 | 22.4 |
| | | 1 | 243 | 22.0 | 22.4 | 22.2 | **22.1** | 21.8 | 21.2 | 21.6 | 21.5 | 21.2 | **22.5** | 21.8 | 22.4 |
| | | 1 | 244 | 22.4 | 22.5 | 22.2 | 21.9 | 21.6 | 21.1 | 21.2 | 21.2 | 21.1 | 22.3 | 21.7 | 22.2 |
| | | 120 | 60 | 22.2 | 22.1 | 22.2 | 21.9 | 21.8 | 21.6 | 21.7 | 21.4 | 21.2 | 21.9 | 22.0 | 21.9 |
| | | 243 | 0 | 22.3 | 22.2 | 22.1 | 21.9 | 21.7 | 21.6 | 21.7 | 21.5 | 21.3 | 22.0 | 22.1 | 21.8 |
| | 256QAM | 1 | 0 | 20.1 | 20.3 | 20.4 | 20.1 | 20.1 | 19.9 | 19.5 | 19.9 | 19.3 | 20.1 | 20.6 | 20.1 |
| | | 1 | 1 | **20.6** | 20.3 | 20.3 | 20.3 | **20.3** | 20.0 | 20.0 | **20.1** | 19.5 | 20.2 | **20.6** | 20.1 |
| | | 1 | 243 | 20.4 | 20.0 | 20.1 | 20.3 | 19.9 | 19.5 | 19.3 | 19.5 | 19.0 | 20.4 | 20.6 | 20.0 |
| | | 1 | 244 | 20.4 | 20.2 | 20.2 | 20.2 | 19.6 | 19.5 | 19.4 | 19.5 | 19.4 | 20.3 | 20.4 | 19.6 |
| | | 120 | 60 | 20.3 | 20.1 | 20.1 | 19.8 | 19.8 | 19.5 | 19.7 | 19.3 | 19.2 | 19.9 | 20.0 | 19.9 |
| | | 243 | 0 | 20.3 | 20.2 | 20.3 | 19.9 | 19.9 | 19.6 | 19.7 | 19.4 | 19.2 | 20.1 | 20.2 | 19.9 |

## OUTPUT POWER FOR 5G NR n41 (100.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 509200 | 528600 | 528000 | 509200 | 528600 | 528000 | 509200 | 528600 | 528000 | 509200 | 528600 | 528000 |
| | | | | 2546.0 | 2593.0 | 2640.0 | 2546.0 | 2593.0 | 2640.0 | 2546.0 | 2593.0 | 2640.0 | 2546.0 | 2593.0 | 2640.0 |
| 100.0 | BPSK | 1 | 0 | 24.2 | 24.4 | 24.1 | 23.9 | 23.8 | 24.0 | 23.6 | 23.6 | 23.4 | 24.2 | 23.9 | 24.2 |
| | | 1 | 1 | 24.9 | **25.1** | 24.8 | 24.6 | 24.6 | **24.6** | **24.4** | 24.3 | 24.0 | 24.4 | 24.2 | **24.4** |
| | | 1 | 271 | 24.8 | 24.9 | 24.7 | 24.5 | 24.2 | 24.0 | 24.1 | 24.0 | 23.7 | 24.4 | 24.3 | 24.3 |
| | | 1 | 272 | 24.1 | 24.3 | 24.1 | 23.9 | 23.6 | 23.3 | 23.4 | 23.3 | 23.1 | 24.1 | 24.0 | 24.0 |
| | | 135 | 67 | 24.9 | 24.5 | 24.7 | 24.4 | 24.3 | 24.1 | 24.1 | 24.0 | 23.7 | 24.2 | 24.2 | 24.1 |
| | | 270 | 0 | 24.4 | 24.2 | 24.2 | 23.9 | 23.8 | 23.7 | 23.6 | 23.4 | 23.3 | 24.2 | 24.2 | 24.0 |
| | QPSK | 1 | 0 | 23.8 | 23.8 | 23.6 | 23.4 | 23.4 | 23.4 | 23.2 | 23.1 | 22.9 | 23.6 | 23.4 | 23.6 |
| | | 1 | 1 | **25.0** | 25.0 | 24.8 | 24.6 | 24.5 | **24.6** | **24.4** | 24.4 | 24.0 | 24.3 | 24.3 | 24.4 |
| | | 1 | 271 | 24.9 | 24.8 | 24.8 | 24.6 | 24.4 | 24.0 | 24.0 | 23.9 | 23.6 | **24.4** | 24.2 | 24.1 |
| | | 1 | 272 | 23.7 | 23.7 | 23.6 | 23.3 | 23.1 | 22.7 | 22.9 | 22.6 | 22.5 | 23.6 | 23.5 | 23.4 |
| | | 135 | 67 | 24.9 | 24.5 | 24.8 | 24.4 | 24.3 | 24.1 | 24.2 | 23.9 | 23.8 | 24.1 | 24.2 | 24.0 |
| | | 270 | 0 | 23.9 | 23.6 | 23.6 | 23.4 | 23.3 | 23.2 | 23.1 | 23.0 | 22.8 | 23.6 | 23.6 | 23.5 |
| | 16QAM | 1 | 0 | 22.6 | 22.8 | 22.6 | 22.5 | 22.5 | 22.7 | 22.5 | 22.2 | 22.0 | 22.6 | 22.7 | 22.6 |
| | | 1 | 1 | 23.9 | 23.9 | 23.7 | 23.6 | 23.4 | **23.6** | 23.4 | **23.4** | 23.1 | 23.6 | **23.9** | 23.5 |
| | | 1 | 271 | 23.7 | **24.0** | 23.8 | 23.5 | 23.5 | 23.1 | 23.2 | 23.1 | 22.9 | 23.9 | 23.6 | 23.4 |
| | | 1 | 272 | 22.5 | 23.0 | 22.6 | 22.6 | 22.2 | 21.9 | 22.0 | 21.8 | 21.7 | 22.5 | 22.6 | 22.5 |
| | | 135 | 67 | 23.8 | 23.6 | 23.7 | 23.3 | 23.3 | 23.2 | 23.2 | 23.0 | 22.8 | 23.4 | 23.6 | 23.4 |
| | | 270 | 0 | 22.9 | 22.6 | 22.7 | 22.5 | 22.4 | 22.3 | 22.0 | 21.9 | 21.8 | 22.5 | 22.6 | 22.5 |
| | 64QAM | 1 | 0 | 22.0 | 22.4 | 22.3 | 22.1 | 22.0 | 21.9 | 21.7 | 21.3 | 21.4 | 22.2 | 21.9 | 22.0 |
| | | 1 | 1 | 22.5 | **22.6** | 22.3 | 22.2 | 22.0 | 21.8 | **21.9** | 21.6 | 21.5 | 22.3 | 22.0 | 22.2 |
| | | 1 | 271 | 22.5 | 22.6 | 22.4 | **22.3** | 21.9 | 21.5 | 21.4 | 21.4 | 21.4 | 22.2 | 22.3 | 22.0 |
| | | 1 | 272 | 22.2 | 22.4 | 22.2 | 22.0 | 21.8 | 21.1 | 21.3 | 21.3 | 21.6 | 22.2 | **22.3** | 21.8 |
| | | 135 | 67 | 22.3 | 22.0 | 22.1 | 21.9 | 21.8 | 21.6 | 21.7 | 21.3 | 21.3 | 21.8 | 22.1 | 21.8 |
| | | 270 | 0 | 22.2 | 22.2 | 22.2 | 21.8 | 21.9 | 21.6 | 21.6 | 21.5 | 21.3 | 22.0 | 22.1 | 21.9 |
| | 256QAM | 1 | 0 | 20.2 | 20.3 | 20.1 | 19.5 | 20.3 | 19.9 | **19.9** | 19.6 | 19.5 | 19.9 | 20.3 | 20.2 |
| | | 1 | 1 | 20.6 | 20.6 | **20.7** | 19.7 | **20.3** | 19.8 | 19.8 | 19.9 | 19.8 | 20.0 | 20.2 | 20.4 |
| | | 1 | 271 | 20.4 | 20.5 | 20.4 | 19.6 | 20.2 | 19.3 | 19.6 | 19.5 | 19.3 | 20.3 | **20.4** | 20.1 |
| | | 1 | 272 | 20.0 | 20.3 | 20.2 | 19.5 | 19.9 | 19.4 | 19.4 | 19.4 | 19.4 | 20.2 | 19.9 | 20.1 |
| | | 135 | 67 | 20.3 | 19.9 | 20.2 | 19.8 | 19.8 | 19.7 | 19.6 | 19.4 | 19.2 | 19.9 | 20.0 | 20.0 |
| | | 270 | 0 | 20.3 | 20.1 | 20.1 | 19.9 | 19.8 | 19.7 | 19.6 | 19.5 | 19.2 | 20.1 | 20.1 | 20.0 |



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# 8.12. LTE BAND 41 AND 5G NR n41 HPUE

## LTE BAND 41

| Test Engineer ID: | 19210AL | Test Date: | 2024-03-04 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 41 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 39675 | 40620 | 41565 | 39675 | 40620 | 41565 |
| | | | | 2498.5 | 2593.0 | 2687.5 | 2498.5 | 2593.0 | 2687.5 |
| 5.0 | QPSK | 1 | 0 | 25.6 | 25.6 | 25.8 | 25.3 | 25.1 | 23.6 |
| | | 1 | 12 | **25.9** | 25.7 | 25.8 | 25.4 | **25.5** | 23.4 |
| | | 1 | 24 | 25.7 | 25.5 | 25.7 | 25.2 | 25.0 | 23.5 |
| | | 12 | 0 | 24.6 | 24.6 | 24.8 | 24.3 | 22.6 | 22.6 |
| | | 12 | 6 | 24.6 | 24.6 | 24.8 | 24.3 | 22.6 | 22.6 |
| | | 12 | 11 | 24.6 | 24.9 | 24.8 | 24.3 | 22.6 | 22.6 |
| | | 25 | 0 | 24.6 | 24.9 | 24.9 | 24.3 | 22.6 | 22.7 |
| | 16QAM | 1 | 0 | 24.8 | 25.1 | 25.2 | 24.4 | 22.7 | 22.6 |
| | | 1 | 12 | 25.1 | 25.1 | 24.9 | **24.7** | 22.7 | 22.4 |
| | | 1 | 24 | 25.0 | 25.3 | **25.3** | 24.3 | 22.5 | 22.9 |
| | | 12 | 0 | 23.6 | 25.0 | 23.9 | 23.1 | 21.5 | 21.6 |
| | | 12 | 6 | 23.6 | 23.9 | 23.9 | 23.2 | 21.5 | 21.6 |
| | | 12 | 11 | 23.6 | 23.9 | 23.8 | 23.3 | 21.5 | 21.6 |
| | | 25 | 0 | 23.6 | 23.8 | 23.9 | 23.3 | 21.5 | 21.7 |
| | 64QAM | 1 | 0 | 24.4 | 24.3 | 24.7 | 24.1 | 21.9 | 22.2 |
| | | 1 | 12 | 24.8 | 24.7 | **24.9** | **24.4** | 22.1 | 21.9 |
| | | 1 | 24 | 24.5 | 24.7 | 24.4 | 24.0 | 21.9 | 22.2 |
| | | 12 | 0 | 23.0 | 24.8 | 23.4 | 22.7 | 20.9 | 21.0 |
| | | 12 | 6 | 23.0 | 23.4 | 23.3 | 22.7 | 20.9 | 21.0 |
| | | 12 | 11 | 23.0 | 23.3 | 23.3 | 22.7 | 21.0 | 21.0 |
| | | 25 | 0 | 23.0 | 23.3 | 23.2 | 22.7 | 21.0 | 20.9 |
| | 256QAM | 1 | 0 | 21.4 | 21.2 | 21.8 | 21.3 | 19.4 | 19.4 |
| | | 1 | 12 | 21.8 | 21.7 | **22.1** | **21.6** | 19.6 | 19.4 |
| | | 1 | 24 | 21.6 | 21.8 | 21.3 | 20.9 | 19.3 | 19.4 |
| | | 12 | 0 | 21.4 | 21.6 | 21.6 | 21.0 | 19.4 | 19.4 |
| | | 12 | 6 | 21.4 | 21.6 | 21.6 | 21.1 | 19.3 | 19.4 |
| | | 12 | 11 | 21.3 | 21.7 | 21.6 | 21.1 | 19.3 | 19.3 |
| | | 25 | 0 | 21.3 | 21.6 | 21.5 | 21.0 | 19.3 | 19.3 |

## OUTPUT POWER FOR LTE BAND 41 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 39700 | 40620 | 41540 | 39700 | 40620 | 41540 |
| | | | | 2501.0 | 2593.0 | 2685.0 | 2501.0 | 2593.0 | 2685.0 |
| 10.0 | QPSK | 1 | 0 | 25.7 | **25.9** | 25.7 | 25.3 | **25.5** | 25.3 |
| | | 1 | 24 | 25.5 | 25.5 | 25.7 | 25.1 | 25.1 | 25.3 |
| | | 1 | 49 | 25.7 | 25.8 | 25.8 | 25.3 | 25.4 | 25.4 |
| | | 25 | 0 | 24.8 | 24.8 | 24.8 | 24.4 | 24.4 | 24.4 |
| | | 25 | 12 | 24.7 | 24.7 | 24.7 | 24.3 | 24.3 | 24.3 |
| | | 25 | 24 | 24.8 | 24.7 | 24.7 | 24.4 | 24.3 | 24.3 |
| | | 50 | 0 | 24.8 | 24.7 | 24.8 | 24.4 | 24.3 | 24.4 |
| | 16QAM | 1 | 0 | 24.8 | 24.5 | 24.5 | 24.4 | 24.1 | 24.1 |
| | | 1 | 24 | 24.7 | 24.9 | 24.9 | 24.3 | 24.5 | 24.5 |
| | | 1 | 49 | 24.6 | 24.8 | **25.0** | 24.2 | 24.4 | **24.6** |
| | | 25 | 0 | 23.8 | 23.7 | 23.7 | 23.4 | 23.3 | 23.3 |
| | | 25 | 12 | 23.8 | 23.7 | 23.8 | 23.4 | 23.3 | 23.4 |
| | | 25 | 24 | 23.7 | 23.7 | 23.7 | 23.3 | 23.3 | 23.3 |
| | | 50 | 0 | 23.8 | 23.7 | 23.8 | 23.4 | 23.3 | 23.4 |
| | 64QAM | 1 | 0 | **24.1** | 23.7 | 24.1 | **23.7** | 23.3 | 23.7 |
| | | 1 | 24 | 23.7 | 23.6 | 23.8 | 23.3 | 23.2 | 23.4 |
| | | 1 | 49 | 24.1 | 24.0 | 23.9 | 23.7 | 23.6 | 23.5 |
| | | 25 | 0 | 22.8 | 22.7 | 22.8 | 22.4 | 22.3 | 22.4 |
| | | 25 | 12 | 22.8 | 22.7 | 22.7 | 22.4 | 22.3 | 22.3 |
| | | 25 | 24 | 22.8 | 22.7 | 22.7 | 22.4 | 22.3 | 22.3 |
| | | 50 | 0 | 22.8 | 22.7 | 22.7 | 22.4 | 22.3 | 22.3 |
| | 256QAM | 1 | 0 | 21.4 | 21.5 | 21.6 | 21.0 | 21.1 | 21.2 |
| | | 1 | 24 | 21.6 | 21.2 | **21.9** | 21.2 | 20.8 | **21.5** |
| | | 1 | 49 | 21.6 | 21.6 | 21.5 | 21.2 | 21.2 | 21.1 |
| | | 25 | 0 | 21.5 | 21.4 | 21.4 | 21.1 | 21.0 | 21.0 |
| | | 25 | 12 | 21.4 | 21.4 | 21.4 | 21.0 | 21.0 | 21.0 |
| | | 25 | 24 | 21.5 | 21.3 | 21.4 | 21.1 | 20.9 | 21.0 |
| | | 50 | 0 | 21.4 | 21.3 | 21.3 | 21.0 | 20.9 | 20.9 |




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## OUTPUT POWER FOR LTE BAND 41 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 39725 | 40620 | 41515 | 39725 | 40620 | 41515 |
| | | | | 2503.5 | 2593.0 | 2682.5 | 2503.5 | 2593.0 | 2682.5 |
| 15.0 | QPSK | 1 | 0 | 25.8 | 25.7 | 25.8 | 25.4 | 25.3 | 25.4 |
| | | 1 | 37 | **25.9** | 25.8 | 25.9 | **25.5** | 25.4 | 25.5 |
| | | 1 | 74 | 25.7 | 25.6 | 25.6 | 25.3 | 25.2 | 25.2 |
| | | 36 | 0 | 24.8 | 24.7 | 24.8 | 24.4 | 24.3 | 24.4 |
| | | 36 | 16 | 24.8 | 24.7 | 24.7 | 24.4 | 24.3 | 24.3 |
| | | 36 | 35 | 24.8 | 24.7 | 24.7 | 24.4 | 24.3 | 24.3 |
| | | 75 | 0 | 24.8 | 24.7 | 24.8 | 24.4 | 24.3 | 24.4 |
| | 16QAM | 1 | 0 | 24.7 | 25.0 | 25.0 | 24.3 | 24.6 | 24.6 |
| | | 1 | 37 | 24.4 | 25.0 | **25.1** | 24.0 | 24.6 | **24.7** |
| | | 1 | 74 | 24.8 | 24.9 | 24.7 | 24.4 | 24.5 | 24.3 |
| | | 36 | 0 | 23.8 | 23.7 | 23.7 | 23.4 | 23.3 | 23.3 |
| | | 36 | 16 | 23.8 | 23.7 | 23.7 | 23.4 | 23.3 | 23.3 |
| | | 36 | 35 | 23.7 | 23.6 | 23.8 | 23.3 | 23.2 | 23.4 |
| | | 75 | 0 | 23.8 | 23.7 | 23.8 | 23.4 | 23.3 | 23.4 |
| | 64QAM | 1 | 0 | 24.1 | 24.2 | 24.2 | 23.7 | 23.8 | 23.8 |
| | | 1 | 37 | 24.2 | **24.3** | 24.1 | 23.8 | **23.9** | 23.7 |
| | | 1 | 74 | 24.1 | 24.0 | 24.0 | 23.7 | 23.6 | 23.6 |
| | | 36 | 0 | 22.8 | 22.7 | 22.7 | 22.4 | 22.3 | 22.3 |
| | | 36 | 16 | 22.7 | 22.7 | 22.7 | 22.3 | 22.3 | 22.3 |
| | | 36 | 35 | 22.8 | 22.7 | 22.7 | 22.4 | 22.3 | 22.3 |
| | | 75 | 0 | 22.7 | 22.7 | 22.8 | 22.3 | 22.3 | 22.4 |
| | 256QAM | 1 | 0 | **22.0** | 21.5 | 21.6 | **21.6** | 21.1 | 21.2 |
| | | 1 | 37 | 21.7 | 21.2 | 21.6 | 21.3 | 20.8 | 21.2 |
| | | 1 | 74 | 21.6 | 21.3 | 21.8 | 21.2 | 20.9 | 21.4 |
| | | 36 | 0 | 21.4 | 21.4 | 21.5 | 21.0 | 21.0 | 21.1 |
| | | 36 | 16 | 21.4 | 21.4 | 21.4 | 21.0 | 21.0 | 21.0 |
| | | 36 | 35 | 21.4 | 21.4 | 21.4 | 21.0 | 21.0 | 21.0 |
| | | 75 | 0 | 21.4 | 21.4 | 21.4 | 21.0 | 21.0 | 21.0 |

## OUTPUT POWER FOR LTE BAND 41 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 39750 | 40620 | 41490 | 39750 | 40620 | 41490 |
| | | | | 2506.0 | 2593.0 | 2680.0 | 2506.0 | 2593.0 | 2680.0 |
| 20.0 | QPSK | 1 | 0 | **25.9** | 25.7 | 25.8 | 24.9 | 24.9 | 24.9 |
| | | 1 | 49 | 25.6 | 25.7 | 25.7 | **25.0** | 24.8 | 24.9 |
| | | 1 | 99 | 25.8 | 25.8 | 25.7 | 24.9 | 24.8 | 24.9 |
| | | 50 | 0 | 24.8 | 24.8 | 24.8 | 23.9 | 23.8 | 23.9 |
| | | 50 | 24 | 24.8 | 24.8 | 24.8 | 23.9 | 23.8 | 23.9 |
| | | 50 | 49 | 24.8 | 24.8 | 24.8 | 23.9 | 23.8 | 23.8 |
| | | 100 | 0 | 24.8 | 24.7 | 24.8 | 23.9 | 23.8 | 23.9 |
| | 16QAM | 1 | 0 | 24.8 | 24.6 | **24.9** | 24.0 | 23.6 | **24.2** |
| | | 1 | 49 | 24.7 | 24.9 | 24.8 | 23.4 | 23.8 | 23.8 |
| | | 1 | 99 | 24.8 | 24.6 | 24.8 | 23.8 | 23.8 | 23.8 |
| | | 50 | 0 | 23.9 | 23.8 | 23.9 | 22.9 | 22.8 | 22.9 |
| | | 50 | 24 | 23.9 | 23.8 | 23.9 | 22.9 | 22.8 | 22.9 |
| | | 50 | 49 | 23.8 | 23.7 | 23.9 | 22.9 | 22.8 | 22.8 |
| | | 100 | 0 | 23.8 | 23.7 | 23.8 | 22.9 | 22.8 | 22.8 |
| | 64QAM | 1 | 0 | 23.8 | 23.8 | 24.1 | 23.0 | 22.9 | 22.8 |
| | | 1 | 49 | **24.1** | 23.7 | 24.1 | **23.1** | 22.4 | 23.1 |
| | | 1 | 99 | 24.0 | 23.7 | 23.8 | 22.9 | 22.8 | 22.7 |
| | | 50 | 0 | 22.9 | 22.7 | 22.8 | 21.8 | 21.7 | 21.8 |
| | | 50 | 24 | 22.8 | 22.7 | 22.8 | 21.8 | 21.7 | 21.8 |
| | | 50 | 49 | 22.8 | 22.7 | 22.8 | 21.8 | 21.7 | 21.8 |
| | | 100 | 0 | 22.8 | 22.7 | 22.8 | 21.9 | 21.7 | 21.8 |
| | 256QAM | 1 | 0 | 21.6 | 21.2 | **21.8** | **20.1** | 20.0 | 20.0 |
| | | 1 | 49 | 21.5 | 20.9 | 21.1 | 19.7 | 19.6 | 20.0 |
| | | 1 | 99 | 21.3 | 21.6 | 21.2 | 19.8 | 19.6 | 19.9 |
| | | 50 | 0 | 21.3 | 21.2 | 21.3 | 19.9 | 19.7 | 19.8 |
| | | 50 | 24 | 21.3 | 21.2 | 21.2 | 19.8 | 19.7 | 19.8 |
| | | 50 | 49 | 21.3 | 21.2 | 21.2 | 19.8 | 19.7 | 19.8 |
| | | 100 | 0 | 21.3 | 21.2 | 21.3 | 19.9 | 19.7 | 19.8 |



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## 5G NR n41

| Test Engineer ID: | 19210AL and 27966PV | Test Date: | 2024-02-07 to 2024-05-01 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n41 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 500200 | 518600 | 537000 | 500200 | 518600 | 537000 | 500200 | 518600 | 537000 | 500200 | 518600 | 537000 |
| | | | | 2501.0 | 2593.0 | 2685.0 | 2501.0 | 2593.0 | 2685.0 | 2501.0 | 2593.0 | 2685.0 | 2501.0 | 2593.0 | 2685.0 |
| 10.0 | BPSK | 1 | 0 | 22.3 | 22.2 | 21.9 | 22.3 | 22.2 | 21.7 | 22.3 | 22.0 | 21.9 | 22.8 | 22.8 | 22.6 |
| | | 1 | 1 | **25.9** | 25.7 | 25.5 | **25.5** | 25.4 | 25.0 | **25.9** | 25.6 | 25.5 | 24.8 | 25.8 | 25.9 |
| | | 1 | 22 | 25.7 | 25.7 | 25.5 | 25.4 | 25.3 | 24.7 | 25.7 | 25.6 | 25.6 | 24.6 | 25.8 | 25.8 |
| | | 1 | 23 | 22.1 | 22.1 | 21.9 | 22.2 | 22.1 | 21.7 | 22.1 | 22.1 | 21.8 | 22.7 | 22.9 | 22.8 |
| | | 12 | 6 | 25.7 | 25.7 | 25.5 | 25.4 | 25.3 | 24.9 | 25.8 | 25.6 | 25.5 | 24.7 | 25.8 | 25.7 |
| | | 24 | 0 | 25.2 | 25.1 | 25.0 | 25.2 | 25.3 | 24.7 | 25.1 | 25.1 | 25.1 | 24.7 | **25.9** | 25.8 |
| | QPSK | 1 | 0 | 22.2 | 22.3 | 22.0 | 22.2 | 22.3 | 21.8 | 22.2 | 22.0 | 22.0 | 22.2 | 22.2 | 22.2 |
| | | 1 | 1 | **25.9** | 25.8 | 25.5 | **25.4** | 25.4 | 25.0 | **25.8** | 25.5 | 25.6 | 24.7 | 25.8 | 25.7 |
| | | 1 | 22 | 25.9 | 25.7 | 25.5 | **25.4** | 25.3 | 24.9 | 25.6 | 25.5 | 25.6 | 24.7 | 25.8 | 25.6 |
| | | 1 | 23 | 22.2 | 22.2 | 21.9 | 22.2 | 22.2 | 21.7 | 22.0 | 22.0 | 22.0 | 22.2 | 22.3 | 22.1 |
| | | 12 | 6 | 25.8 | 25.8 | 25.5 | 25.4 | 25.4 | 24.8 | 25.6 | 25.7 | 25.4 | 24.8 | 25.8 | 25.8 |
| | | 24 | 0 | 24.7 | 24.8 | 24.5 | 24.7 | 24.7 | 24.3 | 25.2 | 24.5 | 24.4 | 24.7 | **25.9** | 25.8 |
| | 16QAM | 1 | 0 | 22.6 | 22.4 | 22.3 | 22.3 | 22.1 | 21.7 | 22.0 | 22.4 | 22.0 | 22.8 | 22.6 | 22.6 |
| | | 1 | 1 | **25.3** | 25.2 | 25.0 | **25.0** | 24.6 | 24.3 | **25.2** | 25.0 | 24.7 | **25.4** | 25.1 | 25.2 |
| | | 1 | 22 | 25.1 | 25.1 | 25.1 | 24.8 | 24.7 | 24.2 | 24.9 | 25.0 | 25.1 | 25.3 | 25.3 | 24.9 |
| | | 1 | 23 | 22.5 | 22.4 | 22.4 | 22.3 | 22.0 | 21.4 | 22.2 | 22.4 | 22.3 | 22.8 | 22.0 | 21.2 |
| | | 12 | 6 | 25.2 | 25.1 | 25.1 | 24.9 | 24.7 | 24.2 | 25.2 | 25.1 | 24.8 | 25.3 | 25.2 | 25.1 |
| | | 24 | 0 | 24.1 | 24.0 | 23.8 | 23.8 | 23.7 | 23.2 | 24.0 | 24.1 | 23.9 | 25.2 | 24.6 | 24.6 |
| | 64QAM | 1 | 0 | 22.4 | 22.5 | 22.5 | 22.1 | 22.3 | 21.6 | 22.7 | 22.7 | 22.2 | 22.1 | 22.0 | 22.0 |
| | | 1 | 1 | 23.7 | 23.8 | 23.4 | 23.2 | 23.3 | 22.6 | **23.7** | 23.4 | 23.2 | 23.5 | **23.9** | 23.7 |
| | | 1 | 22 | 23.4 | **23.9** | 23.4 | 23.2 | 23.1 | 22.5 | 23.5 | 23.7 | 23.2 | 23.5 | 23.9 | 23.8 |
| | | 1 | 23 | 22.5 | 22.6 | 22.5 | 22.1 | 22.1 | 21.6 | 22.6 | 22.7 | 22.2 | 21.1 | 21.1 | 20.9 |
| | | 12 | 6 | 23.6 | 23.6 | 23.3 | **23.4** | 23.3 | 22.7 | 23.5 | 23.5 | 23.3 | 23.3 | 23.9 | 23.9 |
| | | 24 | 0 | 23.6 | 23.5 | 23.4 | 23.2 | 23.2 | 22.7 | 23.6 | 23.5 | 23.2 | 23.3 | 23.4 | 23.3 |
| | 256QAM | 1 | 0 | 21.6 | **21.6** | 21.3 | 21.1 | 21.2 | 21.0 | 21.5 | **22.1** | 21.2 | 20.7 | 20.9 | 20.8 |
| | | 1 | 1 | 21.6 | 21.3 | 21.4 | 21.2 | 21.2 | 21.0 | 21.7 | 21.5 | 21.4 | 20.8 | 20.9 | 20.9 |
| | | 1 | 22 | 21.6 | 21.4 | 21.3 | 21.0 | 21.3 | 20.8 | 21.5 | 21.4 | 21.3 | 20.7 | 20.9 | 20.6 |
| | | 1 | 23 | 21.6 | 21.4 | 21.4 | 21.1 | 21.2 | 20.8 | 21.5 | 21.6 | 21.4 | 20.9 | 20.8 | 20.7 |
| | | 12 | 6 | 21.6 | 21.6 | 21.4 | **21.4** | 21.2 | 20.7 | 21.5 | 21.5 | 21.4 | 20.8 | **21.0** | 20.8 |
| | | 24 | 0 | 21.6 | 21.6 | 21.3 | 21.3 | 21.3 | 20.7 | 21.5 | 21.5 | 21.3 | 20.9 | 20.9 | 20.8 |

## OUTPUT POWER FOR 5G NR n41 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 500700 | 518600 | 536500 | 500700 | 518600 | 536500 | 500700 | 518600 | 536500 | 500700 | 518600 | 536500 |
| | | | | 2503.5 | 2593.0 | 2682.5 | 2503.5 | 2593.0 | 2682.5 | 2503.5 | 2593.0 | 2682.5 | 2503.5 | 2593.0 | 2682.5 |
| 15.0 | BPSK | 1 | 0 | 22.3 | 22.2 | 22.0 | 22.3 | 22.2 | 21.8 | 22.2 | 22.3 | 22.0 | 22.5 | 22.4 | 22.5 |
| | | 1 | 1 | 25.8 | 25.9 | 25.6 | **25.5** | 25.4 | 24.9 | **25.9** | 25.7 | 25.6 | 24.6 | 25.6 | 25.5 |
| | | 1 | 36 | 25.8 | **25.9** | 25.6 | 25.4 | 25.2 | 24.8 | 25.8 | 25.8 | 25.6 | 24.5 | **25.7** | 25.6 |
| | | 1 | 37 | 22.3 | 22.3 | 22.1 | 22.2 | 22.2 | 21.6 | 22.2 | 22.2 | 21.9 | 22.5 | 22.7 | 22.6 |
| | | 18 | 9 | 25.8 | 25.8 | 25.7 | 25.3 | 25.4 | 24.8 | 25.8 | 25.7 | 25.6 | 24.4 | 25.5 | 25.5 |
| | | 36 | 0 | 25.3 | 25.2 | 25.2 | 25.2 | 25.3 | 24.7 | 25.3 | 25.2 | 25.0 | 24.4 | 25.6 | 25.5 |
| | QPSK | 1 | 0 | 22.4 | 22.3 | 22.0 | 22.1 | 22.2 | 21.7 | 22.2 | 22.2 | 21.8 | 21.9 | 22.0 | 22.0 |
| | | 1 | 1 | **25.9** | 25.9 | 25.7 | 25.4 | 25.4 | 24.9 | **25.9** | 25.6 | 25.6 | 24.6 | 25.6 | 25.5 |
| | | 1 | 36 | 25.9 | 25.9 | 25.7 | 25.3 | 25.3 | 24.8 | 25.8 | 25.7 | 25.5 | 24.5 | **25.7** | 25.5 |
| | | 1 | 37 | 22.2 | 22.3 | 22.1 | 22.1 | 22.0 | 21.6 | 22.1 | 22.2 | 21.8 | 22.0 | 22.3 | 21.9 |
| | | 18 | 9 | 25.8 | 25.9 | 25.6 | 25.4 | **25.5** | 24.9 | 25.8 | 25.7 | 25.6 | 24.4 | 25.6 | 25.7 |
| | | 36 | 0 | 24.8 | 24.7 | 24.7 | 24.7 | 24.8 | 24.2 | 24.7 | 24.8 | 24.6 | 24.5 | 25.6 | 25.6 |
| | 16QAM | 1 | 0 | 22.5 | 22.7 | 22.2 | 22.0 | 22.5 | 21.4 | 22.5 | 22.6 | 22.4 | 22.7 | 22.9 | 22.9 |
| | | 1 | 1 | **25.2** | 25.1 | 24.7 | 24.6 | **24.9** | 24.5 | 25.3 | 25.3 | 25.1 | 25.5 | 25.4 | 25.3 |
| | | 1 | 36 | 25.0 | 25.1 | 24.8 | 24.6 | 24.7 | 24.4 | 24.9 | **25.3** | 25.1 | 25.5 | **25.6** | 25.6 |
| | | 1 | 37 | 22.6 | 22.6 | 22.3 | 22.1 | 22.3 | 21.5 | 22.3 | 22.7 | 22.4 | 22.7 | 22.0 | 21.9 |
| | | 18 | 9 | 25.1 | 25.1 | 24.9 | 24.8 | 24.8 | 24.3 | 25.2 | 25.1 | 24.9 | 25.4 | 25.5 | 25.5 |
| | | 36 | 0 | 24.0 | 24.1 | 24.0 | 23.8 | 23.7 | 23.2 | 24.1 | 24.0 | 23.9 | 25.5 | 25.1 | 25.0 |
| | 64QAM | 1 | 0 | 22.6 | 22.5 | 22.4 | 22.1 | 22.1 | 21.7 | 22.6 | 22.6 | 22.5 | 23.1 | 23.0 | 22.9 |
| | | 1 | 1 | 23.4 | 23.4 | 23.4 | 23.1 | 23.3 | 22.7 | 23.5 | 23.6 | 23.5 | 23.6 | 23.8 | 23.8 |
| | | 1 | 36 | 23.5 | **23.6** | 23.4 | 23.0 | 23.3 | 22.8 | **23.7** | 23.5 | 23.2 | 23.7 | **23.8** | 23.7 |
| | | 1 | 37 | 22.6 | 22.4 | 22.6 | 22.1 | 22.2 | 21.9 | 22.5 | 22.6 | 22.3 | 21.1 | 20.8 | 20.6 |
| | | 18 | 9 | 23.6 | 23.5 | 23.5 | 23.2 | **23.4** | 22.7 | 23.7 | 23.6 | 23.5 | 23.6 | 23.6 | 23.6 |
| | | 36 | 0 | 23.6 | 23.6 | 23.4 | 23.2 | 23.2 | 22.7 | 23.6 | 23.6 | 23.5 | 23.5 | 23.1 | 23.2 |
| | 256QAM | 1 | 0 | **22.1** | 21.7 | 21.4 | 21.1 | 21.4 | 20.8 | 21.9 | 21.5 | 21.9 | **22.2** | 21.9 | 21.7 |
| | | 1 | 1 | 21.5 | 21.5 | 21.6 | 21.2 | **21.5** | 20.9 | **21.9** | 21.6 | 21.4 | 22.0 | 21.8 | 21.8 |
| | | 1 | 36 | 21.6 | 21.5 | 21.2 | 21.2 | 21.2 | 20.7 | 21.3 | 21.4 | 21.3 | 21.9 | 21.8 | 21.7 |
| | | 1 | 37 | 21.4 | 21.8 | 21.2 | 21.1 | 21.0 | 20.4 | 21.8 | 21.6 | 21.3 | 22.1 | 21.9 | **22.2** |
| | | 18 | 9 | 21.6 | 21.6 | 21.3 | 21.2 | 21.2 | 20.7 | 21.6 | 21.7 | 21.5 | 21.9 | 22.0 | 21.8 |
| | | 36 | 0 | 21.5 | 21.5 | 21.4 | 21.1 | 21.3 | 20.7 | 21.6 | 21.6 | 21.4 | 21.8 | 22.0 | 21.9 |



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## OUTPUT POWER FOR 5G NR n41 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 501200 | 518600 | 536000 | 501200 | 518600 | 536000 | 501200 | 518600 | 536000 | 501200 | 518600 | 536000 |
| | | | | 2506.0 | 2593.0 | 2680.0 | 2506.0 | 2593.0 | 2680.0 | 2506.0 | 2593.0 | 2680.0 | 2506.0 | 2593.0 | 2680.0 |
| 20.0 | BPSK | 1 | 0 | 22.3 | 22.3 | 22.1 | 22.3 | 22.1 | 21.7 | 22.3 | 22.2 | 22.0 | 22.7 | 22.6 | 22.7 |
| | | 1 | 1 | **25.9** | 25.7 | 25.7 | **25.4** | 25.4 | 25.0 | **25.9** | 25.7 | 25.6 | 24.7 | **25.8** | 25.7 |
| | | 1 | 49 | 25.9 | 25.7 | 25.7 | 25.3 | 25.3 | 24.8 | 25.8 | 25.6 | 25.5 | 24.7 | 25.8 | 25.6 |
| | | 1 | 50 | 22.4 | 22.3 | 22.1 | 22.2 | 22.0 | 21.5 | 22.3 | 22.2 | 21.9 | 22.7 | 22.6 | 22.6 |
| | | 25 | 12 | 25.9 | 25.9 | 25.7 | 25.4 | 25.3 | 24.8 | 25.8 | 25.8 | 25.5 | 24.7 | 25.7 | 25.7 |
| | | 50 | 0 | 25.3 | 25.3 | 25.2 | 25.2 | 25.3 | 24.7 | 25.3 | 25.3 | 25.1 | 24.6 | 25.7 | 25.7 |
| | QPSK | 1 | 0 | 22.4 | 22.2 | 22.2 | 22.2 | 22.3 | 21.7 | 22.3 | 22.1 | 22.2 | 22.2 | 22.2 | 22.0 |
| | | 1 | 1 | 25.8 | 25.8 | 25.6 | **25.4** | 25.3 | 24.9 | **25.8** | 25.7 | 25.7 | 24.7 | 25.7 | 25.6 |
| | | 1 | 49 | 25.8 | 25.8 | 25.5 | 25.2 | 25.2 | 24.7 | 25.7 | 25.6 | 25.6 | 24.7 | 25.8 | 25.5 |
| | | 1 | 50 | 22.2 | 22.2 | 22.1 | 22.2 | 22.0 | 21.5 | 22.3 | 22.0 | 21.9 | 22.1 | 22.2 | 22.2 |
| | | 25 | 12 | 25.8 | **25.9** | 25.8 | **25.4** | 25.3 | 24.9 | 25.8 | 25.7 | 25.6 | 24.7 | 25.8 | **25.8** |
| | | 50 | 0 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.2 | 24.8 | 24.8 | 24.5 | 24.8 | 25.8 | 25.7 |
| | 16QAM | 1 | 0 | 22.2 | 22.3 | 22.4 | 22.4 | 22.2 | 21.8 | 22.7 | 22.3 | 21.9 | 22.1 | 22.2 | 22.0 |
| | | 1 | 1 | 24.7 | **24.9** | 24.8 | **24.5** | 24.5 | 24.3 | 24.6 | **24.9** | 24.5 | 24.4 | 24.7 | 24.3 |
| | | 1 | 49 | 24.8 | 24.9 | 24.7 | 24.4 | 24.5 | 24.1 | 24.7 | 24.7 | 24.6 | 24.5 | 24.4 | 24.5 |
| | | 1 | 50 | 22.3 | 22.1 | 22.2 | 22.2 | 22.2 | 21.6 | 22.4 | 22.2 | 22.1 | 21.9 | 22.4 | 22.0 |
| | | 25 | 12 | 24.9 | 24.9 | 24.7 | 24.3 | 24.3 | 24.3 | 24.8 | 24.8 | 24.6 | 24.7 | 24.6 | 24.6 |
| | | 50 | 0 | 23.7 | 24.0 | 23.6 | 23.7 | 23.7 | 23.3 | 23.7 | 23.7 | 23.6 | **24.8** | 24.5 | 24.5 |
| | 64QAM | 1 | 0 | 22.5 | 22.7 | 22.6 | 22.3 | 22.4 | 21.6 | 22.5 | 22.9 | 22.5 | 22.5 | 22.0 | 21.9 |
| | | 1 | 1 | 23.6 | 23.5 | 23.4 | **23.3** | 23.2 | 22.7 | **23.7** | 23.4 | 23.7 | 23.4 | 23.5 | 23.1 |
| | | 1 | 49 | **24.1** | 24.1 | 23.6 | 23.3 | 23.1 | 22.4 | 23.5 | 23.5 | 23.7 | **23.7** | 23.5 | 23.3 |
| | | 1 | 50 | 22.6 | 23.0 | 22.8 | 22.2 | 22.3 | 21.5 | 22.5 | 22.5 | 22.2 | 20.9 | 20.5 | 20.1 |
| | | 25 | 12 | 23.7 | 23.7 | 23.6 | 23.2 | 23.1 | 22.8 | 23.5 | 23.6 | 23.5 | 23.4 | 23.6 | 23.4 |
| | | 50 | 0 | 23.8 | 23.8 | 23.6 | 23.2 | 23.2 | 22.7 | 23.6 | 23.6 | 23.4 | 23.3 | 23.0 | 23.0 |
| | 256QAM | 1 | 0 | 21.6 | 21.6 | 21.6 | 21.4 | 21.2 | 20.6 | **21.8** | 21.3 | 21.6 | 21.4 | 21.3 | 21.5 |
| | | 1 | 1 | 21.6 | 21.6 | 21.8 | 21.6 | 21.4 | 20.7 | 21.8 | 21.7 | 21.3 | 21.6 | 21.4 | 21.3 |
| | | 1 | 49 | 21.7 | 21.7 | 21.5 | **21.7** | 21.1 | 20.5 | 21.6 | 21.3 | 21.2 | 21.6 | 21.3 | 21.2 |
| | | 1 | 50 | 21.6 | **21.8** | 21.6 | 21.5 | 21.2 | 20.5 | 21.5 | 21.3 | 21.5 | 21.4 | 21.3 | **21.6** |
| | | 25 | 12 | 21.6 | 21.7 | 21.6 | 21.2 | 21.2 | 20.7 | 21.6 | 21.6 | 21.4 | 21.4 | 21.4 | 21.3 |
| | | 50 | 0 | 21.6 | 21.7 | 21.5 | 21.2 | 21.1 | 20.8 | 21.6 | 21.5 | 21.4 | 21.4 | 21.3 | 21.3 |

## OUTPUT POWER FOR 5G NR n41 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 501702 | 518600 | 535500 | 501702 | 518600 | 535500 | 501702 | 518600 | 535500 | 501702 | 518600 | 535500 |
| | | | | 2508.5 | 2593.0 | 2677.5 | 2508.5 | 2593.0 | 2677.5 | 2508.5 | 2593.0 | 2677.5 | 2508.5 | 2593.0 | 2677.5 |
| 25.0 | BPSK | 1 | 0 | 22.7 | 22.7 | 22.6 | 22.5 | 22.4 | 21.9 | 22.6 | 22.6 | 22.5 | 23.3 | 23.5 | 23.4 |
| | | 1 | 1 | **26.3** | **26.3** | 26.1 | **25.6** | **25.6** | 25.2 | **26.3** | **26.3** | 26.0 | 25.5 | 26.4 | **26.5** |
| | | 1 | 63 | **26.3** | **26.3** | 26.0 | 25.5 | 25.4 | 24.9 | 26.0 | 26.1 | 26.0 | 25.4 | **26.5** | 26.4 |
| | | 1 | 64 | 22.8 | 22.7 | 22.5 | 22.4 | 22.2 | 21.8 | 22.5 | 22.4 | 22.3 | 23.3 | 23.4 | 23.2 |
| | | 32 | 16 | 26.2 | 26.2 | 26.1 | 25.5 | **25.6** | 25.1 | 26.1 | 26.2 | 26.0 | 25.4 | **26.5** | 26.4 |
| | | 64 | 0 | 25.8 | 25.8 | 25.6 | 25.4 | 25.4 | 25.0 | 25.6 | 25.6 | 25.5 | 25.3 | **26.5** | **26.5** |
| | QPSK | 1 | 0 | 22.8 | 22.7 | 22.5 | 22.4 | 22.3 | 22.0 | 22.7 | 22.5 | 22.4 | 22.7 | 23.0 | 22.9 |
| | | 1 | 1 | **26.4** | 26.2 | 26.1 | **25.7** | 25.5 | 25.2 | **26.2** | **26.2** | 26.0 | 25.3 | **26.6** | 26.4 |
| | | 1 | 63 | **26.4** | 26.3 | 26.1 | 25.6 | 25.3 | 25.0 | 26.1 | 26.1 | 25.9 | 25.3 | **26.6** | 26.3 |
| | | 1 | 64 | 22.7 | 22.7 | 22.4 | 22.3 | 22.2 | 21.9 | 22.4 | 22.3 | 22.4 | 22.7 | 22.9 | 22.8 |
| | | 32 | 16 | 26.3 | 26.3 | 26.2 | 25.5 | 25.6 | 25.1 | **26.2** | 26.1 | 26.1 | 25.3 | 26.5 | 26.4 |
| | | 64 | 0 | 25.3 | 25.2 | 25.1 | 24.9 | 25.0 | 24.5 | 25.1 | 25.1 | 25.0 | 25.4 | 26.4 | 26.4 |
| | 16QAM | 1 | 0 | 22.8 | 22.7 | 22.6 | 22.4 | 22.4 | 22.2 | 22.4 | 22.7 | 22.2 | 22.7 | 22.9 | 22.8 |
| | | 1 | 1 | 25.3 | **25.5** | 25.1 | 24.7 | **24.9** | 24.6 | **25.3** | **25.3** | 24.9 | 25.3 | **26.7** | 26.5 |
| | | 1 | 63 | 25.3 | 25.2 | 25.1 | 24.7 | 24.7 | 24.5 | 24.9 | 24.9 | 24.9 | 25.1 | 26.4 | 26.4 |
| | | 1 | 64 | 22.5 | 22.6 | 22.6 | 21.9 | 22.2 | 21.7 | 22.6 | 22.5 | 22.3 | 22.7 | 23.0 | 22.8 |
| | | 32 | 16 | 25.2 | 25.2 | 25.0 | **24.9** | **24.9** | 24.6 | 25.1 | 25.1 | 25.0 | 25.4 | 26.5 | 26.4 |
| | | 64 | 0 | 24.3 | 24.2 | 24.1 | 24.0 | 23.8 | 23.5 | 24.1 | 24.2 | 24.0 | 25.3 | 26.0 | 25.9 |
| | 64QAM | 1 | 0 | 22.7 | 22.7 | 22.7 | 22.7 | 22.3 | 21.9 | 22.7 | 22.4 | 22.3 | 23.0 | 22.9 | 22.8 |
| | | 1 | 1 | 23.7 | **24.0** | **24.0** | **23.5** | **23.5** | 23.1 | **23.9** | 23.5 | 23.4 | 25.3 | **26.0** | **26.0** |
| | | 1 | 63 | 23.7 | **24.0** | 23.8 | 23.4 | 23.0 | 22.9 | 23.6 | 23.8 | 23.4 | 25.3 | 25.6 | 25.9 |
| | | 1 | 64 | 23.0 | 22.6 | 22.7 | 22.7 | 21.9 | 22.0 | 22.3 | 22.5 | 22.6 | 22.7 | 22.8 | 22.6 |
| | | 32 | 16 | 23.8 | 23.7 | 23.6 | 23.4 | 23.4 | 22.9 | 23.7 | 23.6 | 23.4 | 25.4 | **26.0** | 25.9 |
| | | 64 | 0 | 23.7 | 23.8 | 23.6 | 23.4 | 23.4 | 23.0 | 23.6 | 23.5 | 23.5 | 25.4 | 25.5 | 25.4 |
| | 256QAM | 1 | 0 | 21.8 | 21.8 | 21.4 | 21.4 | 21.2 | 20.9 | 21.6 | 21.4 | 21.5 | 22.8 | 22.8 | **23.1** |
| | | 1 | 1 | 21.9 | 21.7 | 21.7 | **21.7** | 21.2 | 21.3 | 21.5 | 21.7 | 21.5 | 22.8 | 22.8 | 22.6 |
| | | 1 | 63 | 21.8 | 21.8 | 21.5 | 21.3 | 21.3 | 20.7 | 21.5 | **21.8** | 21.3 | 22.8 | 23.0 | 23.0 |
| | | 1 | 64 | 21.6 | 22.0 | **22.1** | 21.3 | 20.9 | 21.0 | 21.1 | 21.5 | 21.3 | 22.8 | **23.1** | 22.9 |
| | | 32 | 16 | 21.7 | 21.8 | 21.5 | 21.3 | 21.4 | 21.0 | 21.5 | 21.5 | 21.4 | 22.8 | 22.9 | 22.9 |
| | | 64 | 0 | 21.8 | 21.7 | 21.6 | 21.4 | 21.4 | 20.9 | 21.5 | 21.5 | 21.5 | 22.9 | 23.0 | 22.9 |



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## OUTPUT POWER FOR 5G NR n41 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 502200 | 518600 | 525000 | 502200 | 518600 | 525000 | 502200 | 518600 | 525000 | 502200 | 518600 | 525000 |
| | | | | 2511.0 | 2593.0 | 2675.0 | 2511.0 | 2593.0 | 2675.0 | 2511.0 | 2593.0 | 2675.0 | 2511.0 | 2593.0 | 2675.0 |
| 30.0 | BPSK | 1 | 0 | 22.2 | 22.2 | 22.1 | 22.3 | 22.2 | 21.8 | 22.2 | 22.2 | 22.1 | 22.6 | 22.7 | 22.6 |
| | | 1 | 1 | **25.9** | 25.8 | 25.6 | 25.4 | **25.5** | 25.0 | **25.9** | **25.9** | 25.6 | 24.7 | 25.6 | 25.7 |
| | | 1 | 76 | 25.9 | 25.8 | 25.6 | 25.4 | 25.2 | 24.7 | 25.6 | 25.7 | 25.6 | 24.6 | **25.8** | 25.6 |
| | | 1 | 77 | 22.3 | 22.3 | 22.0 | 22.2 | 22.0 | 21.6 | 22.1 | 22.0 | 21.9 | 22.5 | 22.6 | 22.4 |
| | | 36 | 18 | 25.8 | 25.7 | 25.6 | 25.3 | 25.4 | 24.9 | 25.7 | 25.8 | 25.6 | 24.6 | 25.7 | 25.7 |
| | | 75 | 0 | 25.4 | 25.3 | 25.1 | 25.2 | 25.2 | 24.8 | 25.3 | 25.2 | 25.1 | 24.6 | **25.8** | 25.7 |
| | QPSK | 1 | 0 | 22.3 | 22.2 | 22.0 | 22.2 | 22.2 | 21.8 | 22.3 | 22.2 | 22.1 | 22.0 | 22.2 | 22.2 |
| | | 1 | 1 | **25.9** | 25.8 | 25.6 | **25.5** | 25.3 | 25.1 | 25.8 | **25.8** | 25.6 | 24.5 | 25.8 | 25.6 |
| | | 1 | 76 | **25.9** | 25.8 | 25.6 | 25.4 | 25.2 | 24.8 | 25.7 | 25.7 | 25.5 | 24.6 | **25.8** | 25.6 |
| | | 1 | 77 | 22.3 | 22.2 | 22.0 | 22.1 | 22.0 | 21.7 | 22.0 | 22.0 | 22.0 | 21.9 | 22.1 | 22.1 |
| | | 36 | 18 | 25.8 | 25.8 | 25.7 | 25.4 | 25.4 | 25.0 | 25.8 | 25.7 | 25.7 | 24.6 | 25.7 | 25.7 |
| | | 75 | 0 | 24.8 | 24.7 | 24.6 | 24.7 | 24.8 | 24.3 | 24.7 | 24.7 | 24.6 | 24.6 | 25.6 | 25.7 |
| | 16QAM | 1 | 0 | 22.8 | 22.7 | 22.6 | 22.2 | 22.2 | 22.0 | 22.5 | 22.7 | 22.2 | 21.9 | 22.1 | 22.0 |
| | | 1 | 1 | 25.3 | **25.5** | 25.1 | 24.6 | 24.7 | 24.4 | 25.3 | **25.3** | 24.9 | 24.5 | **25.0** | 24.8 |
| | | 1 | 76 | 25.3 | 25.2 | 25.2 | 24.5 | 24.5 | 24.4 | 24.9 | 24.9 | 24.9 | 24.4 | 24.7 | 24.7 |
| | | 1 | 77 | 22.6 | 22.7 | 22.6 | 21.8 | 22.1 | 21.5 | 22.7 | 22.5 | 22.3 | 21.9 | 22.3 | 22.0 |
| | | 36 | 18 | 25.3 | 25.3 | 25.0 | **24.8** | 24.7 | 24.5 | 25.1 | 25.1 | 25.1 | 24.7 | 24.8 | 24.7 |
| | | 75 | 0 | 24.3 | 24.2 | 24.1 | 23.8 | 23.7 | 23.3 | 24.1 | 24.2 | 24.0 | 24.6 | 24.3 | 24.2 |
| | 64QAM | 1 | 0 | 22.8 | 22.7 | 22.7 | 22.5 | 22.1 | 21.8 | 22.7 | 22.4 | 22.3 | 22.3 | 22.1 | 22.1 |
| | | 1 | 1 | 23.7 | 24.0 | **24.0** | **23.3** | **23.3** | 22.9 | **24.0** | 23.5 | 23.4 | 23.4 | 23.5 | **23.5** |
| | | 1 | 76 | 23.7 | 24.0 | 23.8 | 23.3 | 22.8 | 22.8 | 23.7 | 23.8 | 23.5 | 23.3 | 23.1 | 23.4 |
| | | 1 | 77 | 23.0 | 22.7 | 22.7 | 22.5 | 21.8 | 21.8 | 22.3 | 22.6 | 22.6 | 20.7 | 20.3 | 20.1 |
| | | 36 | 18 | 23.8 | 23.7 | 23.6 | 23.2 | 23.2 | 22.8 | 23.7 | 23.6 | 23.5 | 23.4 | **23.5** | 23.4 |
| | | 75 | 0 | 23.7 | 23.8 | 23.6 | 23.2 | 23.2 | 22.9 | 23.6 | 23.5 | 23.6 | 23.4 | 23.5 | 23.5 |
| | 256QAM | 1 | 0 | 21.8 | 21.9 | 21.4 | 21.3 | 21.0 | 20.8 | 21.7 | 21.5 | 21.5 | 22.1 | 22.1 | 22.3 |
| | | 1 | 1 | 21.9 | 21.7 | 21.8 | **21.5** | 21.0 | 21.1 | 21.5 | 21.7 | 21.5 | 22.0 | 22.1 | 21.8 |
| | | 1 | 76 | 21.8 | 21.8 | 21.5 | 21.1 | 21.1 | 20.5 | 21.5 | **21.8** | 21.4 | 22.0 | 22.3 | 22.2 |
| | | 1 | 77 | 21.6 | 22.0 | **22.2** | 21.1 | 20.8 | 20.9 | 21.1 | 21.5 | 21.3 | 22.0 | **22.3** | 22.2 |
| | | 36 | 18 | 21.7 | 21.8 | 21.6 | 21.2 | 21.2 | 20.8 | 21.5 | 21.6 | 21.4 | 22.1 | 22.1 | 22.1 |
| | | 75 | 0 | 21.8 | 21.7 | 21.6 | 21.2 | 21.2 | 20.7 | 21.6 | 21.6 | 21.5 | 22.1 | 22.2 | 22.1 |

## OUTPUT POWER FOR 5G NR n41 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 503200 | 518600 | 534000 | 503200 | 518600 | 534000 | 503200 | 518600 | 534000 | 503200 | 518600 | 534000 |
| | | | | 2516.0 | 2593.0 | 2670.0 | 2516.0 | 2593.0 | 2670.0 | 2516.0 | 2593.0 | 2670.0 | 2516.0 | 2593.0 | 2670.0 |
| 40.0 | BPSK | 1 | 0 | 22.2 | 22.3 | 22.2 | 22.2 | 22.3 | 21.8 | 22.2 | 22.1 | 21.8 | 22.7 | 22.7 | 22.6 |
| | | 1 | 1 | 25.9 | 25.9 | 25.8 | 25.4 | **25.5** | 25.0 | **25.8** | 25.6 | 25.3 | 24.7 | 25.7 | **25.8** |
| | | 1 | 104 | 25.9 | 25.9 | 25.7 | 25.4 | 25.3 | 24.7 | 25.7 | 25.5 | 25.5 | 24.7 | 25.7 | 25.6 |
| | | 1 | 105 | 22.3 | 22.3 | 22.1 | 22.2 | 22.1 | 21.7 | 22.0 | 22.0 | 21.7 | 22.6 | 22.5 | 22.6 |
| | | 50 | 25 | 25.8 | **25.9** | 25.8 | 25.4 | 25.3 | 25.0 | 25.6 | 25.5 | 25.4 | 24.6 | 25.7 | 25.7 |
| | | 100 | 0 | 25.3 | 25.3 | 25.2 | 25.2 | 25.2 | 24.8 | 24.9 | 25.1 | 24.9 | 24.7 | 25.7 | 25.6 |
| | QPSK | 1 | 0 | 22.3 | 22.3 | 22.3 | 22.3 | 22.3 | 21.8 | 22.2 | 22.0 | 21.8 | 22.1 | 22.2 | 22.1 |
| | | 1 | 1 | 25.8 | **25.9** | 25.8 | 25.4 | 25.5 | 25.2 | **25.7** | 25.6 | 25.4 | 24.6 | **25.9** | 25.6 |
| | | 1 | 104 | 25.9 | 25.9 | 25.7 | **25.5** | 25.2 | 24.9 | 25.6 | 25.5 | 25.4 | 24.6 | 25.8 | 25.6 |
| | | 1 | 105 | 22.4 | 22.3 | 22.2 | 22.2 | 22.1 | 21.6 | 22.0 | 22.0 | 21.8 | 22.1 | 22.1 | 22.0 |
| | | 50 | 25 | 25.9 | 25.9 | 25.7 | 25.4 | 25.4 | 24.9 | 25.5 | 25.5 | 25.5 | 24.7 | 25.7 | 25.7 |
| | | 100 | 0 | 24.8 | 24.9 | 24.8 | 24.7 | 24.7 | 24.3 | 24.5 | 24.5 | 24.5 | 24.5 | 25.7 | 25.7 |
| | 16QAM | 1 | 0 | 22.4 | 22.2 | 22.5 | 22.1 | 22.3 | 21.8 | 22.0 | 21.7 | 21.7 | 21.5 | 21.8 | 21.3 |
| | | 1 | 1 | 24.9 | 24.8 | 24.6 | 24.9 | **24.9** | 24.2 | 24.6 | 24.4 | 24.5 | 24.0 | 23.7 | 23.4 |
| | | 1 | 104 | 24.9 | **25.1** | 24.4 | 24.8 | 24.7 | 24.0 | **24.7** | 24.3 | 24.4 | **24.7** | 24.3 | 24.4 |
| | | 1 | 105 | 22.3 | 22.4 | 22.0 | 22.2 | 21.9 | 21.5 | 22.2 | 22.1 | 21.6 | 21.4 | 20.3 | 19.8 |
| | | 50 | 25 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.3 | 24.5 | 24.5 | 24.3 | 24.0 | 24.1 | 24.5 |
| | | 100 | 0 | 23.8 | 23.9 | 23.8 | 23.7 | 23.8 | 23.2 | 23.5 | 23.5 | 23.4 | 24.0 | 23.0 | 23.0 |
| | 64QAM | 1 | 0 | 22.9 | 22.8 | 22.6 | 22.4 | 22.2 | 21.6 | 22.4 | 22.0 | 21.9 | 21.7 | 20.0 | 20.0 |
| | | 1 | 1 | 23.9 | 24.0 | 23.6 | 23.1 | **23.4** | 22.9 | **23.3** | 23.0 | 22.9 | 24.0 | 23.0 | 23.0 |
| | | 1 | 104 | 23.9 | **24.2** | 23.6 | 23.3 | 23.1 | 22.7 | 23.0 | 23.0 | 22.6 | 24.1 | 23.2 | 23.0 |
| | | 1 | 105 | 22.9 | 22.9 | 22.7 | 22.5 | 22.2 | 21.6 | 21.4 | 21.9 | 21.8 | 21.4 | 21.6 | 21.5 |
| | | 50 | 25 | 23.8 | 23.8 | 23.7 | 23.2 | 23.3 | 22.9 | 23.0 | 23.1 | 22.9 | 23.9 | 24.0 | **24.1** |
| | | 100 | 0 | 23.7 | 23.9 | 23.8 | 23.2 | 23.2 | 22.8 | 23.0 | 23.0 | 22.9 | 24.0 | 24.0 | 23.8 |
| | 256QAM | 1 | 0 | 21.9 | **22.1** | 21.9 | **21.7** | 21.3 | 20.6 | 21.7 | 21.6 | 21.6 | 21.3 | 21.3 | 21.4 |
| | | 1 | 1 | 21.9 | 22.0 | 21.9 | 21.1 | 21.3 | 21.2 | 21.7 | **22.0** | 21.5 | **22.0** | 21.5 | 21.4 |
| | | 1 | 104 | 21.9 | 21.8 | 21.9 | **21.7** | 21.1 | 20.6 | 21.8 | 21.8 | 21.3 | 21.5 | 21.3 | 21.1 |
| | | 1 | 105 | 21.9 | 21.9 | 21.8 | 21.1 | 21.1 | 21.0 | 21.6 | 21.7 | 21.6 | 21.5 | 21.6 | 21.6 |
| | | 50 | 25 | 21.7 | 21.8 | 21.7 | 21.2 | 21.2 | 20.8 | 21.7 | 21.6 | 21.5 | 21.4 | 21.4 | 21.3 |
| | | 100 | 0 | 21.8 | 21.8 | 21.6 | 21.1 | 21.2 | 20.8 | 21.6 | 21.5 | 21.5 | 21.4 | 21.5 | 21.4 |



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## OUTPUT POWER FOR 5G NR n41 (50.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 504200 | 518600 | 533000 | 504200 | 518600 | 533000 | 504200 | 518600 | 533000 | 504200 | 518600 | 533000 |
| | | | | 2521.0 | 2593.0 | 2665.0 | 2521.0 | 2593.0 | 2665.0 | 2521.0 | 2593.0 | 2665.0 | 2521.0 | 2593.0 | 2665.0 |
| 50.0 | BPSK | 1 | 0 | 22.2 | 22.4 | 22.3 | 22.1 | 22.2 | 21.8 | 22.1 | 22.1 | 21.8 | 23.4 | 23.4 | 23.5 |
| | | 1 | 1 | 25.8 | **25.9** | 25.8 | 25.3 | **25.4** | 25.0 | 25.6 | 25.6 | 25.4 | 25.5 | 25.5 | **25.6** |
| | | 1 | 131 | 25.9 | 25.8 | 25.7 | **25.4** | 25.1 | 24.8 | 25.6 | **25.7** | 25.4 | 25.4 | 25.5 | 25.4 |
| | | 1 | 132 | 22.4 | 22.3 | 22.1 | 22.1 | 21.9 | 21.6 | 22.1 | 22.0 | 21.8 | 23.4 | 23.4 | 23.4 |
| | | 64 | 32 | 25.8 | 25.8 | 25.7 | 25.3 | 25.2 | 24.9 | 25.5 | 25.5 | 25.4 | 25.5 | 25.6 | 25.4 |
| | | 128 | 0 | 25.3 | 25.3 | 25.1 | 25.2 | 25.1 | 24.8 | 25.0 | 25.0 | 24.9 | 25.5 | 25.5 | 25.4 |
| | QPSK | 1 | 0 | 22.3 | 22.4 | 22.2 | 22.1 | 22.2 | 21.9 | 22.1 | 22.1 | 21.8 | 23.0 | 22.9 | 23.1 |
| | | 1 | 1 | 25.8 | 25.9 | 25.9 | **25.3** | 25.3 | 25.1 | **25.7** | 25.6 | 25.4 | 25.5 | 25.4 | **25.6** |
| | | 1 | 131 | 25.9 | **25.9** | 25.7 | 25.3 | 25.1 | 24.9 | **25.7** | 25.6 | 25.4 | 25.4 | 25.6 | 25.5 |
| | | 1 | 132 | 22.4 | 22.3 | 22.1 | 22.1 | 21.8 | 21.6 | 22.0 | 22.0 | 21.8 | 22.8 | 23.0 | 22.9 |
| | | 64 | 32 | 25.8 | 25.8 | 25.7 | 25.3 | 25.2 | 24.9 | 25.5 | 25.5 | 25.5 | 25.5 | 25.4 | 25.3 |
| | | 128 | 0 | 24.8 | 24.8 | 24.7 | 24.6 | 24.6 | 24.3 | 24.5 | 24.5 | 24.4 | 25.4 | 25.5 | 25.4 |
| | 16QAM | 1 | 0 | 22.5 | 22.6 | 22.4 | 22.5 | 22.5 | 22.0 | 22.6 | 22.8 | 22.7 | 22.3 | 22.6 | 22.3 |
| | | 1 | 1 | 24.9 | 25.1 | **25.3** | **24.9** | 24.8 | 24.3 | 25.1 | **25.2** | 25.0 | 24.8 | 24.8 | 25.0 |
| | | 1 | 131 | 25.0 | 25.0 | 24.8 | 24.8 | 24.2 | 24.1 | 25.0 | 25.0 | 24.7 | **25.1** | 24.9 | **25.1** |
| | | 1 | 132 | 22.7 | 22.1 | 22.4 | 22.3 | 22.1 | 21.5 | 22.8 | 22.6 | 22.3 | 22.5 | 22.4 | 22.1 |
| | | 64 | 32 | 25.0 | 25.0 | 24.8 | 24.6 | 24.6 | 24.2 | 25.1 | 25.1 | 24.9 | 25.0 | 24.9 | 24.8 |
| | | 128 | 0 | 24.0 | 24.0 | 23.9 | 23.7 | 23.7 | 23.2 | 24.1 | 24.2 | 24.0 | 24.9 | 25.0 | 24.8 |
| | 64QAM | 1 | 0 | 22.9 | 23.1 | 23.1 | 22.2 | 22.0 | 21.6 | 22.4 | 22.7 | 22.2 | 22.1 | 22.3 | 22.4 |
| | | 1 | 1 | 23.9 | **24.1** | 23.7 | 23.0 | **23.2** | 22.7 | 24.0 | 23.7 | 23.6 | 23.4 | **23.8** | 23.8 |
| | | 1 | 131 | 23.8 | 24.0 | 23.5 | 23.1 | 22.6 | 22.4 | **24.1** | 23.6 | 23.7 | 23.3 | 23.8 | 23.6 |
| | | 1 | 132 | 23.2 | 22.9 | 22.5 | 21.9 | 21.7 | 21.7 | 22.3 | 22.5 | 22.5 | 20.8 | 21.1 | 21.0 |
| | | 64 | 32 | 23.8 | 23.9 | 23.7 | 23.1 | 23.1 | 22.8 | 23.4 | 23.5 | 23.4 | 23.6 | 23.7 | 23.5 |
| | | 128 | 0 | 23.9 | 23.9 | 23.8 | 23.2 | 23.1 | 22.8 | 23.6 | 23.6 | 23.5 | 23.7 | 23.7 | 23.6 |
| | 256QAM | 1 | 0 | 21.9 | 21.7 | 21.7 | 21.3 | 21.2 | 20.9 | 21.6 | 21.8 | 21.3 | 21.7 | 21.9 | **22.1** |
| | | 1 | 1 | 22.1 | 21.7 | **22.1** | 21.3 | **21.4** | 21.2 | 21.4 | 21.6 | **21.8** | 21.7 | 21.9 | 21.7 |
| | | 1 | 131 | 21.9 | 21.9 | 21.7 | 21.2 | 21.2 | 20.7 | 21.6 | 21.3 | 21.8 | 22.0 | 21.8 | 22.1 |
| | | 1 | 132 | 22.0 | 21.9 | 21.8 | 21.2 | 21.1 | 21.0 | 21.6 | 21.6 | 21.5 | 21.8 | 22.0 | 21.8 |
| | | 64 | 32 | 21.8 | 21.8 | 21.6 | 21.1 | 21.1 | 20.7 | 21.4 | 21.6 | 21.4 | 21.7 | 21.7 | 21.6 |
| | | 128 | 0 | 21.9 | 21.8 | 21.7 | 21.0 | 21.1 | 20.8 | 21.6 | 21.7 | 21.4 | 21.7 | 21.8 | 21.6 |

## OUTPUT POWER FOR 5G NR n41 (60.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 505200 | 518600 | 532000 | 505200 | 518600 | 532000 | 505200 | 518600 | 532000 | 505200 | 518600 | 532000 |
| | | | | 2526.0 | 2593.0 | 2660.0 | 2526.0 | 2593.0 | 2660.0 | 2526.0 | 2593.0 | 2660.0 | 2526.0 | 2593.0 | 2660.0 |
| 60.0 | BPSK | 1 | 0 | 22.1 | 22.2 | 22.3 | 22.2 | 22.2 | 21.8 | 22.0 | 22.0 | 21.9 | 22.5 | 22.7 | 22.6 |
| | | 1 | 1 | 25.7 | **25.9** | 25.8 | 25.2 | **25.4** | 25.0 | 25.7 | **25.8** | 25.7 | 24.6 | 24.8 | **25.7** |
| | | 1 | 160 | 25.8 | 25.7 | 25.5 | 25.3 | 25.1 | 24.7 | 25.6 | 25.5 | 25.5 | 24.6 | 24.5 | 25.6 |
| | | 1 | 161 | 22.2 | 22.1 | 22.0 | 22.2 | 21.9 | 21.6 | 22.1 | 21.9 | 21.8 | 22.6 | 22.5 | 22.3 |
| | | 81 | 40 | 25.7 | 25.7 | 25.6 | 25.3 | 25.2 | 25.0 | 25.4 | 25.5 | 25.5 | 24.6 | 24.5 | 25.5 |
| | | 162 | 0 | 25.2 | 25.2 | 25.1 | 25.2 | 25.2 | 24.9 | 25.0 | 25.0 | 25.0 | 24.5 | 24.6 | 25.6 |
| | QPSK | 1 | 0 | 22.1 | 22.2 | 22.2 | 22.1 | 22.2 | 21.9 | 22.1 | 22.2 | 22.0 | 21.9 | 22.1 | 21.9 |
| | | 1 | 1 | 25.6 | 25.8 | **25.8** | 25.3 | 25.4 | 25.1 | **25.8** | 25.6 | 25.5 | 24.5 | 24.7 | 25.4 |
| | | 1 | 160 | 25.8 | 25.8 | 25.7 | **25.4** | 25.1 | 24.8 | **25.8** | 25.5 | 25.4 | 24.5 | 24.7 | 25.6 |
| | | 1 | 161 | 22.3 | 22.2 | 22.0 | 22.2 | 21.9 | 21.7 | 22.1 | 22.0 | 21.8 | 21.9 | 22.1 | 21.9 |
| | | 81 | 40 | 25.7 | 25.7 | 25.6 | 25.3 | 25.3 | 25.0 | 25.5 | 25.6 | 25.5 | 24.5 | 24.7 | 25.6 |
| | | 162 | 0 | 24.7 | 24.7 | 24.6 | 24.7 | 24.7 | 24.3 | 24.4 | 24.5 | 24.4 | 24.5 | 24.6 | **25.7** |
| | 16QAM | 1 | 0 | 22.2 | 22.2 | 22.3 | 22.1 | 22.3 | 22.1 | 21.9 | 21.9 | 22.0 | 22.0 | 22.2 | 21.8 |
| | | 1 | 1 | 24.7 | 24.5 | 24.8 | 24.7 | **24.7** | 24.4 | 24.5 | **24.7** | 24.5 | 23.4 | 23.7 | 24.5 |
| | | 1 | 160 | **25.0** | 24.7 | 24.3 | 24.7 | 24.5 | 24.5 | 24.4 | 24.5 | 24.5 | 23.5 | 23.6 | **24.7** |
| | | 1 | 161 | 22.5 | 22.1 | 22.2 | 22.3 | 22.2 | 21.7 | 21.8 | 21.8 | 21.8 | 21.3 | 21.1 | 20.9 |
| | | 81 | 40 | 24.6 | 24.6 | 24.6 | 24.6 | 24.7 | 24.3 | 24.4 | 24.5 | 24.6 | 23.7 | 23.7 | 24.6 |
| | | 162 | 0 | 23.7 | 23.7 | 23.6 | 23.7 | 23.6 | 23.4 | 23.5 | 23.6 | 23.3 | 23.6 | 23.7 | 24.1 |
| | 64QAM | 1 | 0 | 22.6 | 23.1 | 22.9 | 21.9 | 22.2 | 22.0 | 22.6 | 22.5 | 22.4 | 21.2 | 21.3 | 20.9 |
| | | 1 | 1 | 23.6 | 23.9 | 23.9 | 23.0 | 23.2 | 23.1 | 23.8 | 23.6 | **23.9** | 23.8 | 23.8 | 24.0 |
| | | 1 | 160 | 23.8 | **24.1** | 23.7 | **23.3** | 23.0 | 22.7 | 23.9 | 23.3 | 23.1 | 23.8 | 23.7 | 24.0 |
| | | 1 | 161 | 23.0 | 22.8 | 23.0 | 22.0 | 21.8 | 21.8 | 22.9 | 22.2 | 22.3 | 21.4 | 21.1 | 20.6 |
| | | 81 | 40 | 23.8 | 23.9 | 23.8 | 23.1 | 23.2 | 22.8 | 23.4 | 23.6 | 23.5 | 23.6 | 23.7 | **24.1** |
| | | 162 | 0 | 23.8 | 23.9 | 23.8 | 23.2 | 23.1 | 22.8 | 23.4 | 23.6 | 23.4 | 23.5 | 23.7 | 23.6 |
| | 256QAM | 1 | 0 | 21.9 | **22.2** | 21.7 | **21.3** | 21.2 | 21.0 | **21.8** | 21.6 | 21.5 | 21.1 | 21.1 | 21.2 |
| | | 1 | 1 | 21.8 | 21.8 | 21.7 | 21.2 | 21.2 | 21.1 | 21.6 | 21.7 | 21.5 | 21.2 | 21.3 | **21.5** |
| | | 1 | 160 | 21.9 | 22.1 | 21.5 | 21.2 | 20.7 | 20.9 | 21.6 | 21.6 | 21.3 | 21.2 | 21.2 | 21.1 |
| | | 1 | 161 | 21.9 | 21.6 | 21.6 | 21.1 | 20.8 | 20.8 | 21.7 | 21.6 | 21.4 | 21.1 | 21.0 | 21.4 |
| | | 81 | 40 | 21.9 | 21.9 | 21.8 | 21.0 | 21.1 | 20.8 | 21.4 | 21.5 | 21.6 | 21.1 | 21.1 | 21.1 |
| | | 162 | 0 | 21.9 | 21.9 | 21.8 | 21.2 | 21.1 | 20.8 | 21.4 | 21.6 | 21.4 | 21.0 | 21.0 | 21.1 |



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## OUTPUT POWER FOR 5G NR n41 (70.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 506200 | 518600 | 531000 | 506200 | 518600 | 531000 | 506200 | 518600 | 531000 | 506200 | 518600 | 531000 |
| | | | | 2531.0 | 2593.0 | 2655.0 | 2531.0 | 2593.0 | 2655.0 | 2531.0 | 2593.0 | 2655.0 | 2531.0 | 2593.0 | 2655.0 |
| 70.0 | BPSK | 1 | 0 | 22.2 | 22.3 | 22.2 | 22.2 | 22.1 | 21.7 | 22.0 | 22.0 | 22.0 | 22.6 | 22.6 | 22.6 |
| | | 1 | 1 | 25.8 | **25.9** | 25.8 | 25.3 | 25.2 | 25.0 | 25.6 | **25.7** | 25.4 | 24.6 | **25.8** | 25.6 |
| | | 1 | 187 | 25.8 | 25.9 | 25.6 | **25.4** | 24.9 | 24.6 | 25.6 | 25.4 | 25.4 | 24.8 | 25.6 | 25.7 |
| | | 1 | 188 | 22.3 | 22.2 | 21.9 | 22.1 | 21.7 | 21.4 | 22.1 | 21.8 | 21.9 | 22.7 | 22.5 | 22.6 |
| | | 90 | 45 | 25.7 | 25.7 | 25.5 | 25.1 | 25.1 | 24.9 | 25.3 | 25.5 | 25.3 | 24.4 | 25.6 | 25.5 |
| | | 180 | 0 | 25.3 | 25.2 | 25.1 | 25.1 | 25.1 | 24.7 | 24.9 | 25.0 | 24.9 | 24.5 | 25.5 | 25.6 |
| | QPSK | 1 | 0 | 22.2 | 22.3 | 22.3 | 22.2 | 22.1 | 21.8 | 22.0 | 22.2 | 21.9 | 22.1 | 22.2 | 22.1 |
| | | 1 | 1 | 25.8 | 25.9 | **25.9** | 25.4 | 25.3 | 24.9 | 25.6 | **25.7** | 25.5 | 24.6 | **25.7** | 25.6 |
| | | 1 | 187 | 25.9 | 25.8 | 25.7 | **25.4** | 25.0 | 24.6 | 25.6 | 25.4 | 25.4 | 24.8 | 25.5 | 25.6 |
| | | 1 | 188 | 22.3 | 22.3 | 22.0 | 22.3 | 21.7 | 21.4 | 22.0 | 21.9 | 21.9 | 22.3 | 22.1 | 22.0 |
| | | 90 | 45 | 25.7 | 25.8 | 25.6 | 25.2 | 25.2 | 24.8 | 25.4 | 25.6 | 25.4 | 24.4 | 25.6 | 25.6 |
| | | 180 | 0 | 24.7 | 24.8 | 24.6 | 24.5 | 24.6 | 24.1 | 24.3 | 24.5 | 24.3 | 24.6 | 25.6 | 25.6 |
| | 16QAM | 1 | 0 | 22.3 | 22.6 | 22.2 | 22.2 | 22.2 | 22.0 | 22.2 | 22.1 | 21.9 | 22.2 | 22.1 | 21.9 |
| | | 1 | 1 | 24.8 | **24.9** | 24.3 | 24.4 | **24.9** | 24.2 | 24.7 | **24.7** | 24.5 | 24.4 | 24.8 | 24.6 |
| | | 1 | 187 | 24.8 | 24.9 | 24.4 | 24.6 | 24.3 | 24.0 | 24.6 | 24.4 | 24.4 | 24.7 | **24.9** | 24.5 |
| | | 1 | 188 | 22.3 | 22.4 | 21.7 | 22.2 | 21.8 | 21.5 | 22.2 | 21.7 | 21.9 | 22.3 | 21.9 | 21.6 |
| | | 90 | 45 | 24.7 | 24.7 | 24.6 | 24.5 | 24.6 | 24.2 | 24.4 | 24.6 | 24.3 | 24.5 | 24.7 | 24.7 |
| | | 180 | 0 | 23.8 | 23.7 | 23.6 | 23.6 | 23.5 | 23.2 | 23.4 | 23.5 | 23.3 | 24.4 | 24.2 | 24.1 |
| | 64QAM | 1 | 0 | 23.0 | 22.8 | 22.7 | 22.2 | 22.0 | 21.9 | 22.6 | 22.9 | 22.5 | 21.7 | 22.0 | 21.8 |
| | | 1 | 1 | **24.1** | 23.9 | 23.9 | 23.3 | 23.0 | 23.1 | 23.6 | **23.8** | 23.5 | 23.7 | 23.8 | 23.7 |
| | | 1 | 187 | 24.0 | 24.0 | 23.6 | **23.4** | 22.7 | 22.7 | 23.8 | 23.5 | 23.6 | **23.8** | 23.5 | 23.4 |
| | | 1 | 188 | 23.1 | 22.7 | 22.4 | 22.2 | 21.7 | 21.5 | 22.5 | 22.8 | 22.7 | 22.3 | 21.0 | 21.3 |
| | | 90 | 45 | 23.9 | 23.8 | 23.7 | 23.0 | 23.0 | 22.6 | 23.5 | 23.7 | 23.6 | 23.7 | 23.6 | 23.5 |
| | | 180 | 0 | 24.0 | 23.9 | 23.8 | 23.1 | 23.0 | 22.6 | 23.6 | 23.7 | 23.5 | 23.7 | 23.0 | 23.0 |
| | 256QAM | 1 | 0 | 22.0 | 22.1 | 21.9 | 21.1 | **21.6** | 20.8 | 21.7 | 21.7 | 21.7 | 21.9 | **22.2** | 22.2 |
| | | 1 | 1 | 22.2 | 21.8 | 21.9 | 21.2 | 21.5 | 20.8 | 21.5 | 21.6 | 21.3 | 21.8 | 22.0 | 21.8 |
| | | 1 | 187 | **22.2** | 22.1 | 21.7 | 21.0 | 21.1 | 20.5 | **21.8** | 21.5 | 21.5 | 21.9 | 22.1 | 22.1 |
| | | 1 | 188 | 22.2 | 22.0 | 21.5 | 21.1 | 20.7 | 20.5 | 21.4 | 21.5 | 21.3 | 22.2 | 22.1 | 21.9 |
| | | 90 | 45 | 21.9 | 21.9 | 21.8 | 21.0 | 21.0 | 20.6 | 21.6 | 21.6 | 21.4 | 21.9 | 22.1 | 22.0 |
| | | 180 | 0 | 21.9 | 21.9 | 21.9 | 21.1 | 21.0 | 20.6 | 21.5 | 21.6 | 21.4 | 21.9 | 22.1 | 22.1 |

## OUTPUT POWER FOR 5G NR n41 (80.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 507200 | 518600 | 530000 | 507200 | 518600 | 530000 | 507200 | 518600 | 530000 | 507200 | 518600 | 530000 |
| | | | | 2536.0 | 2593.0 | 2650.0 | 2536.0 | 2593.0 | 2650.0 | 2536.0 | 2593.0 | 2650.0 | 2536.0 | 2593.0 | 2650.0 |
| 80.0 | BPSK | 1 | 0 | 22.2 | 22.4 | 22.2 | 22.2 | 22.1 | 22.0 | 22.3 | 22.2 | 22.0 | 22.7 | 22.8 | 22.7 |
| | | 1 | 1 | 25.9 | **25.9** | 25.9 | 25.2 | 25.3 | 25.2 | **25.9** | 25.9 | 25.7 | 24.8 | **25.8** | 25.7 |
| | | 1 | 215 | 25.9 | 25.8 | 25.6 | **25.4** | 25.0 | 24.8 | 25.8 | 25.7 | 25.6 | 24.8 | 25.7 | 25.7 |
| | | 1 | 216 | 22.2 | 22.2 | 22.0 | 22.3 | 21.8 | 21.6 | 22.1 | 22.1 | 21.8 | 22.8 | 22.5 | 22.7 |
| | | 108 | 54 | 25.8 | 25.6 | 25.7 | 25.1 | 25.2 | 24.8 | 25.7 | 25.6 | 25.3 | 24.7 | 25.8 | 25.6 |
| | | 216 | 0 | 25.2 | 25.2 | 25.2 | 25.1 | 25.0 | 24.7 | 25.2 | 25.0 | 24.9 | 24.7 | 25.7 | 25.6 |
| | QPSK | 1 | 0 | 22.2 | 22.2 | 22.1 | 22.2 | 22.2 | 22.0 | 22.3 | 22.1 | 22.1 | 22.2 | 22.2 | 22.2 |
| | | 1 | 1 | 25.8 | 25.8 | 25.7 | **25.4** | 25.3 | 25.3 | **25.9** | 25.9 | 25.7 | 24.7 | 25.8 | 25.8 |
| | | 1 | 215 | **25.9** | 25.7 | 25.5 | 25.3 | 25.1 | 24.8 | 25.9 | 25.6 | 25.6 | 24.9 | 25.7 | **25.8** |
| | | 1 | 216 | 22.2 | 22.0 | 21.9 | 22.2 | 21.8 | 21.7 | 22.1 | 22.0 | 21.9 | 22.2 | 22.2 | 22.1 |
| | | 108 | 54 | 25.5 | 25.5 | 25.4 | 25.1 | 25.1 | 24.9 | 25.6 | 25.7 | 25.4 | 24.6 | 25.8 | 25.7 |
| | | 216 | 0 | 24.6 | 24.5 | 24.4 | 24.6 | 24.5 | 24.2 | 24.7 | 24.6 | 24.4 | 24.7 | 25.7 | 25.6 |
| | 16QAM | 1 | 0 | 22.5 | 23.1 | 22.6 | 22.3 | 22.1 | 22.0 | 22.4 | 22.3 | 21.9 | 22.3 | 22.7 | 22.2 |
| | | 1 | 1 | 24.9 | **25.2** | 25.1 | **24.8** | 24.8 | 24.4 | **25.0** | 24.5 | 24.5 | 24.7 | 25.1 | 24.9 |
| | | 1 | 215 | 25.0 | 25.1 | 24.9 | 24.7 | 24.3 | 24.0 | 24.8 | 24.5 | 24.5 | 24.8 | **25.2** | 24.9 |
| | | 1 | 216 | 22.6 | 22.7 | 22.3 | 22.3 | 21.6 | 21.2 | 22.3 | 22.1 | 21.9 | 21.9 | 22.6 | 22.0 |
| | | 108 | 54 | 25.0 | 24.9 | 24.9 | 24.6 | 24.6 | 24.2 | 24.6 | 24.6 | 24.4 | 24.6 | 24.7 | 24.6 |
| | | 216 | 0 | 23.9 | 24.0 | 23.9 | 23.6 | 23.5 | 23.2 | 23.7 | 23.7 | 23.4 | 24.7 | 24.3 | 24.2 |
| | 64QAM | 1 | 0 | 23.4 | 23.2 | 23.1 | 22.3 | 22.3 | 21.8 | 22.9 | 22.6 | 22.7 | 22.2 | 22.5 | 22.3 |
| | | 1 | 1 | 24.3 | 24.3 | 24.1 | 23.2 | **23.3** | 23.1 | **23.8** | 23.8 | 23.7 | 24.0 | **24.5** | 24.3 |
| | | 1 | 215 | **24.4** | 24.2 | 23.5 | 23.3 | 22.9 | 22.5 | 23.8 | 23.6 | 23.6 | 24.1 | 24.5 | 24.2 |
| | | 1 | 216 | 23.0 | 23.2 | 22.7 | 22.2 | 22.1 | 21.6 | 22.7 | 22.7 | 22.6 | 21.4 | 21.1 | 21.3 |
| | | 108 | 54 | 24.0 | 23.9 | 23.8 | 23.1 | 23.0 | 22.6 | 23.7 | 23.7 | 23.5 | 23.9 | 24.2 | 24.1 |
| | | 216 | 0 | 24.0 | 24.0 | 23.8 | 23.1 | 23.1 | 22.7 | 23.7 | 23.6 | 23.6 | 23.9 | 23.7 | 23.6 |
| | 256QAM | 1 | 0 | 22.1 | **22.4** | 21.8 | **21.7** | 21.1 | 21.1 | 21.8 | 21.9 | 21.7 | **21.7** | 21.1 | 21.5 |
| | | 1 | 1 | 22.0 | 22.3 | 21.9 | 21.6 | 21.4 | 21.3 | 21.7 | 22.0 | 21.8 | 21.2 | 21.2 | 21.5 |
| | | 1 | 215 | 22.2 | 22.1 | 21.8 | 21.4 | 21.0 | 20.9 | 21.9 | **22.1** | 21.8 | 21.1 | 21.5 | 21.5 |
| | | 1 | 216 | 21.9 | 22.0 | 21.6 | 21.4 | 20.7 | 20.9 | 21.8 | 21.7 | 21.7 | 21.5 | 21.0 | 21.5 |
| | | 108 | 54 | 21.9 | 21.8 | 21.9 | 20.9 | 20.9 | 20.7 | 21.7 | 21.6 | 21.5 | 21.3 | 21.2 | 21.1 |
| | | 216 | 0 | 21.9 | 21.9 | 21.7 | 21.1 | 21.0 | 20.7 | 21.7 | 21.6 | 21.6 | 21.3 | 21.1 | 21.1 |



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## OUTPUT POWER FOR 5G NR n41 (90.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 508200 | 518600 | 529000 | 508200 | 518600 | 529000 | 508200 | 518600 | 529000 | 508200 | 518600 | 529000 |
| | | | | 2541.0 | 2593.0 | 2645.0 | 2541.0 | 2593.0 | 2645.0 | 2541.0 | 2593.0 | 2645.0 | 2541.0 | 2593.0 | 2645.0 |
| 90.0 | BPSK | 1 | 0 | 22.2 | 22.3 | 22.0 | 22.2 | 22.1 | 22.0 | 22.2 | 22.2 | 21.9 | 22.5 | 22.5 | 22.6 |
| | | 1 | 1 | **25.9** | 25.9 | 25.7 | 25.5 | 25.4 | 25.3 | 25.8 | **25.8** | 25.7 | 24.7 | 25.6 | **25.7** |
| | | 1 | 243 | 25.8 | 25.8 | 25.5 | **25.5** | 25.0 | 24.8 | 25.7 | 25.7 | 25.7 | 24.6 | 25.6 | 25.6 |
| | | 1 | 244 | 22.1 | 22.1 | 21.9 | 22.1 | 21.9 | 21.6 | 22.1 | 22.0 | 21.9 | 22.5 | 22.5 | 22.4 |
| | | 120 | 60 | 25.6 | 25.5 | 25.6 | 25.1 | 25.1 | 24.8 | 25.6 | 25.6 | 25.4 | 24.5 | 25.4 | 25.5 |
| | | 243 | 0 | 25.2 | 25.1 | 25.1 | 25.1 | 25.1 | 24.7 | 25.1 | 25.1 | 24.9 | 24.6 | 25.5 | 25.5 |
| | QPSK | 1 | 0 | 22.2 | 22.2 | 22.1 | 22.3 | 22.1 | 22.1 | 22.2 | 22.3 | 21.8 | 22.0 | 22.0 | 22.0 |
| | | 1 | 1 | 25.9 | **25.9** | 25.7 | **25.5** | 25.4 | 25.3 | 25.9 | **25.9** | 25.6 | 24.5 | **25.6** | 25.6 |
| | | 1 | 243 | 25.8 | 25.8 | 25.5 | 25.5 | 25.1 | 24.9 | 25.8 | 25.8 | 25.5 | 24.7 | **25.6** | 25.6 |
| | | 1 | 244 | 22.2 | 22.2 | 21.8 | 22.3 | 21.7 | 21.6 | 22.1 | 22.1 | 21.9 | 21.9 | 21.9 | 21.9 |
| | | 120 | 60 | 25.6 | 25.6 | 25.5 | 25.1 | 25.2 | 24.9 | 25.6 | 25.6 | 25.4 | 24.4 | 25.4 | 25.5 |
| | | 243 | 0 | 24.7 | 24.6 | 24.5 | 24.6 | 24.5 | 24.3 | 24.6 | 24.6 | 24.4 | 24.6 | 25.6 | 25.6 |
| | 16QAM | 1 | 0 | 22.6 | 22.5 | 22.2 | 22.1 | 22.0 | 22.2 | 22.4 | 22.2 | 22.1 | 22.1 | 22.0 | 21.8 |
| | | 1 | 1 | 24.9 | **25.3** | 25.0 | 24.7 | **25.0** | 24.6 | 25.2 | **25.2** | 24.9 | 24.1 | **25.1** | 25.0 |
| | | 1 | 243 | 25.1 | 25.2 | 25.0 | 24.8 | 24.6 | 24.2 | 25.1 | 24.8 | 24.9 | 24.0 | **25.1** | 25.0 |
| | | 1 | 244 | 22.6 | 22.6 | 22.3 | 21.8 | 21.7 | 21.5 | 22.2 | 22.2 | 22.2 | 22.1 | 22.0 | 21.5 |
| | | 120 | 60 | 25.0 | 24.9 | 24.8 | 24.6 | 24.6 | 24.2 | 24.7 | 24.7 | 24.6 | 23.8 | 24.3 | 24.3 |
| | | 243 | 0 | 24.0 | 23.9 | 23.9 | 23.6 | 23.5 | 23.3 | 23.9 | 23.7 | 23.6 | 23.9 | 23.8 | 23.8 |
| | 64QAM | 1 | 0 | 22.9 | 23.2 | 22.8 | 22.2 | 22.2 | 21.9 | 23.2 | 22.8 | 22.5 | 21.5 | 21.3 | 21.3 |
| | | 1 | 1 | **24.4** | 24.2 | 23.8 | **23.5** | 23.0 | 23.1 | **24.3** | 24.1 | 23.8 | 23.5 | 23.9 | 24.2 |
| | | 1 | 243 | 24.0 | 24.2 | 24.0 | 23.2 | 22.7 | 22.8 | 23.9 | 23.8 | 23.9 | 23.4 | 23.7 | 23.8 |
| | | 1 | 244 | 22.7 | 22.7 | 23.0 | 22.2 | 21.9 | 21.6 | 22.6 | 22.5 | 22.6 | 21.2 | 21.1 | 21.1 |
| | | 120 | 60 | 23.8 | 23.8 | 23.8 | 23.0 | 23.0 | 22.7 | 23.7 | 23.8 | 23.5 | 24.0 | **24.2** | 24.1 |
| | | 243 | 0 | 24.0 | 23.9 | 23.8 | 23.2 | 23.0 | 22.8 | 23.7 | 23.8 | 23.5 | 23.9 | 23.9 | 24.0 |
| | 256QAM | 1 | 0 | 22.0 | 22.1 | 22.0 | 21.3 | 21.3 | 21.0 | 22.1 | 22.0 | 21.9 | 22.1 | 21.8 | **22.1** |
| | | 1 | 1 | **22.3** | 22.1 | 22.1 | 21.4 | **21.5** | 21.1 | **22.4** | 22.1 | 21.8 | 21.9 | 22.0 | **22.1** |
| | | 1 | 243 | 22.0 | 22.0 | 21.8 | 21.4 | 21.1 | 21.0 | 21.7 | 21.9 | 21.8 | 22.0 | 21.9 | 22.0 |
| | | 1 | 244 | 22.1 | 21.9 | 21.7 | 21.3 | 20.9 | 20.5 | 21.8 | 21.8 | 21.8 | 22.0 | 21.7 | 21.9 |
| | | 120 | 60 | 22.0 | 21.8 | 21.8 | 21.0 | 21.0 | 20.7 | 21.6 | 21.6 | 21.5 | 21.9 | 22.0 | 22.0 |
| | | 243 | 0 | 22.0 | 21.9 | 21.7 | 21.1 | 20.9 | 20.7 | 21.7 | 21.6 | 21.5 | 21.9 | 22.0 | 21.9 |

## OUTPUT POWER FOR 5G NR n41 (100.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 509200 | 528600 | 528000 | 509200 | 528600 | 528000 | 509200 | 528600 | 528000 | 509200 | 528600 | 528000 |
| | | | | 2546.0 | 2593.0 | 2640.0 | 2546.0 | 2593.0 | 2640.0 | 2546.0 | 2593.0 | 2640.0 | 2546.0 | 2593.0 | 2640.0 |
| 100.0 | BPSK | 1 | 0 | 22.2 | 22.2 | 22.0 | 21.5 | 21.4 | 21.3 | 21.9 | 21.8 | 21.7 | 22.5 | 22.2 | 22.3 |
| | | 1 | 1 | 25.9 | **25.9** | 25.9 | **25.4** | 25.2 | 25.1 | **25.8** | 25.6 | 25.5 | 24.6 | 25.5 | 25.7 |
| | | 1 | 271 | 25.8 | 25.9 | 25.7 | 25.1 | 25.1 | 25.0 | 25.5 | 25.5 | 25.4 | 24.6 | **25.7** | 25.6 |
| | | 1 | 272 | 22.1 | 22.1 | 21.9 | 21.4 | 21.2 | 21.2 | 21.8 | 21.6 | 21.6 | 22.4 | 22.5 | 22.3 |
| | | 135 | 67 | 25.7 | 25.6 | 25.5 | 25.0 | 24.9 | 24.7 | 25.4 | 25.3 | 25.1 | 24.5 | 25.5 | 25.6 |
| | | 270 | 0 | 25.2 | 25.2 | 25.1 | 24.6 | 24.4 | 24.4 | 25.0 | 24.8 | 24.8 | 24.6 | 25.5 | 25.6 |
| | QPSK | 1 | 0 | 22.3 | 22.1 | 22.1 | 21.5 | 21.4 | 21.5 | 21.9 | 21.8 | 21.9 | 21.8 | 21.8 | 21.9 |
| | | 1 | 1 | 25.9 | **25.9** | 25.9 | **25.3** | 25.2 | 25.2 | **25.7** | 25.6 | 25.6 | 24.7 | 25.6 | **25.7** |
| | | 1 | 271 | 25.8 | 25.8 | 25.6 | 25.1 | 25.0 | 25.1 | 25.5 | 25.4 | 25.5 | 24.6 | 25.7 | 25.7 |
| | | 1 | 272 | 22.2 | 22.1 | 21.9 | 21.4 | 21.2 | 21.2 | 21.8 | 21.6 | 21.6 | 21.9 | 22.0 | 21.9 |
| | | 135 | 67 | 25.7 | 25.7 | 25.6 | 25.1 | 25.0 | 24.7 | 25.5 | 25.4 | 25.1 | 24.5 | 25.5 | 25.5 |
| | | 270 | 0 | 24.7 | 24.7 | 24.6 | 24.0 | 23.9 | 23.7 | 24.4 | 24.3 | 24.1 | 24.4 | 25.6 | 25.6 |
| | 16QAM | 1 | 0 | 22.5 | 22.6 | 22.6 | 22.0 | 22.0 | 22.0 | 22.3 | 22.4 | 22.0 | 21.8 | 22.0 | 22.0 |
| | | 1 | 1 | 25.1 | 25.2 | 25.2 | 24.6 | 24.6 | **24.7** | 25.0 | 24.9 | **25.0** | 23.7 | 24.6 | **24.9** |
| | | 1 | 271 | **25.2** | 25.1 | 25.1 | **24.7** | 24.4 | 24.4 | 25.0 | 24.8 | 25.0 | 23.7 | 24.7 | 24.5 |
| | | 1 | 272 | 22.4 | 22.5 | 22.4 | 22.1 | 21.6 | 21.3 | 22.2 | 22.0 | 21.9 | 21.9 | 21.9 | 21.4 |
| | | 135 | 67 | 24.9 | 25.0 | 24.9 | 24.7 | 24.6 | 24.2 | 24.9 | 24.9 | 24.7 | 23.7 | 24.7 | 24.7 |
| | | 270 | 0 | 24.0 | 24.0 | 23.8 | 23.7 | 23.6 | 23.4 | 23.9 | 23.8 | 23.7 | 23.7 | 24.2 | 24.3 |
| | 64QAM | 1 | 0 | 22.9 | 23.0 | 22.8 | 22.2 | 22.1 | 22.2 | 22.9 | 22.7 | 22.8 | 21.8 | 21.9 | 21.9 |
| | | 1 | 1 | 24.2 | 24.1 | 23.8 | **23.4** | 23.4 | 23.2 | **24.1** | 23.9 | 23.9 | 23.8 | 24.2 | **24.3** |
| | | 1 | 271 | **24.4** | 23.8 | 24.1 | 23.3 | 22.9 | 22.7 | 23.9 | 23.7 | 23.6 | 23.8 | 24.1 | 24.1 |
| | | 1 | 272 | 23.0 | 22.6 | 22.6 | 22.0 | 21.9 | 21.4 | 22.6 | 22.5 | 22.5 | 21.2 | 21.2 | 21.3 |
| | | 135 | 67 | 23.9 | 23.8 | 23.8 | 23.1 | 23.0 | 22.8 | 23.7 | 23.7 | 23.6 | 23.6 | 24.2 | 24.0 |
| | | 270 | 0 | 23.9 | 23.9 | 23.7 | 23.1 | 23.0 | 22.9 | 23.8 | 23.7 | 23.5 | 23.7 | 23.7 | 23.8 |
| | 256QAM | 1 | 0 | 21.7 | 21.9 | 22.1 | 21.5 | 21.1 | 21.2 | 22.1 | 21.7 | 21.5 | 22.2 | 21.7 | 22.1 |
| | | 1 | 1 | 22.2 | **22.3** | 21.7 | 21.2 | 21.2 | 21.4 | **22.2** | 21.7 | 22.1 | **22.2** | 21.9 | 22.1 |
| | | 1 | 271 | 22.0 | 22.2 | 22.1 | **21.5** | 21.3 | 20.5 | 22.0 | 21.6 | 21.9 | 22.2 | 22.1 | 22.1 |
| | | 1 | 272 | 22.0 | 22.0 | 21.8 | 20.9 | 20.8 | 20.4 | 21.9 | 21.8 | 21.8 | 22.0 | 22.0 | 22.0 |
| | | 135 | 67 | 21.8 | 21.7 | 21.7 | 21.0 | 21.0 | 20.7 | 21.6 | 21.7 | 21.5 | 22.0 | 22.0 | 22.0 |
| | | 270 | 0 | 21.9 | 21.9 | 21.7 | 21.0 | 21.0 | 20.9 | 21.8 | 21.7 | 21.5 | 21.8 | 22.0 | 22.1 |



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# 8.13. LTE BAND 48 AND 5G NR n48

## LTE BAND 48

| Test Engineer ID: | 50813CM | Test Date: | 2024-03-25 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 48 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | |
| | | | | 55265 | 55990 | 56715 | 55260 | 55990 | 56715 |
| | | | | 3552.5 | 3625.0 | 3697.5 | 3552.5 | 3625.0 | 3697.5 |
| 5.0 | QPSK | 1 | 0 | 21.5 | 21.5 | 21.6 | 22.9 | 22.9 | **22.9** |
| | | 1 | 12 | 21.4 | 21.5 | 21.5 | 22.8 | 22.8 | 22.8 |
| | | 1 | 24 | 21.5 | 21.5 | 21.6 | 22.9 | 22.9 | 22.9 |
| | | 12 | 0 | 21.5 | 21.5 | 21.6 | 21.9 | 21.9 | 21.9 |
| | | 12 | 6 | 21.5 | 21.5 | 21.6 | 21.9 | 21.9 | 21.9 |
| | | 12 | 11 | 21.5 | 21.5 | 21.6 | 21.9 | 21.9 | 21.9 |
| | | 25 | 0 | 21.5 | 21.5 | **21.6** | 21.9 | 21.9 | 21.9 |
| | 16QAM | 1 | 0 | 21.2 | 21.4 | 21.4 | 22.4 | **22.5** | 22.3 |
| | | 1 | 12 | 21.1 | 21.3 | 21.2 | 22.3 | 22.4 | 22.1 |
| | | 1 | 24 | 21.3 | 21.5 | 21.4 | 22.4 | 22.4 | 22.3 |
| | | 12 | 0 | 21.4 | 21.5 | **21.6** | 20.9 | 20.9 | 20.9 |
| | | 12 | 6 | 21.4 | 21.5 | **21.6** | 20.9 | 20.9 | 20.9 |
| | | 12 | 11 | 21.4 | 21.5 | 21.6 | 20.9 | 20.9 | 20.9 |
| | | 25 | 0 | 21.5 | 21.5 | **21.6** | 20.9 | 20.9 | 20.9 |
| | 64QAM | 1 | 0 | 21.3 | 21.4 | **21.6** | 21.5 | 21.4 | **21.6** |
| | | 1 | 12 | 21.3 | 21.4 | **21.6** | 21.5 | 21.2 | 21.5 |
| | | 1 | 24 | 21.3 | 21.3 | 21.5 | 21.5 | 21.3 | 21.5 |
| | | 12 | 0 | 20.7 | 20.8 | 20.8 | 19.8 | 19.9 | 20.0 |
| | | 12 | 6 | 20.7 | 20.7 | 20.8 | 19.8 | 19.9 | 19.9 |
| | | 12 | 11 | 20.7 | 20.8 | 20.8 | 19.8 | 19.9 | 19.9 |
| | | 25 | 0 | 20.7 | 20.7 | 20.8 | 19.8 | 19.9 | 19.9 |
| | 256QAM | 1 | 0 | 19.2 | 19.3 | 19.4 | 18.4 | 18.5 | **18.5** |
| | | 1 | 12 | 19.1 | 19.2 | 19.4 | 18.4 | 18.4 | 18.5 |
| | | 1 | 24 | 19.3 | 19.3 | **19.4** | 18.4 | 18.5 | 18.5 |
| | | 12 | 0 | 19.2 | 19.2 | 19.4 | 18.3 | 18.4 | 18.4 |
| | | 12 | 6 | 19.2 | 19.3 | 19.4 | 18.3 | 18.4 | 18.4 |
| | | 12 | 11 | 19.2 | 19.3 | 19.4 | 18.3 | 18.4 | 18.4 |
| | | 25 | 0 | 19.2 | 19.2 | 19.3 | 18.3 | 18.3 | 18.4 |

## OUTPUT POWER FOR LTE BAND 48 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | |
| | | | | 55290 | 55990 | 56690 | 55290 | 55990 | 56690 |
| | | | | 3555.0 | 3625.0 | 3695.0 | 3555.0 | 3625.0 | 3695.0 |
| 10.0 | QPSK | 1 | 0 | 21.5 | 21.7 | 21.6 | 22.9 | **23.0** | 22.9 |
| | | 1 | 24 | 21.3 | 21.5 | 21.7 | 22.7 | 22.9 | 23.0 |
| | | 1 | 49 | 21.5 | 21.7 | 21.6 | 22.8 | 23.0 | 23.0 |
| | | 25 | 0 | 21.5 | **21.7** | 21.6 | 21.9 | 22.0 | 21.9 |
| | | 25 | 12 | 21.5 | 21.7 | 21.6 | 21.9 | 22.0 | 21.9 |
| | | 25 | 24 | 21.5 | 21.7 | 21.6 | 21.9 | 22.0 | 21.9 |
| | | 50 | 0 | 21.5 | 21.7 | 21.6 | 21.9 | 22.0 | 21.9 |
| | 16QAM | 1 | 0 | 21.4 | 21.6 | 21.2 | 22.5 | 22.7 | 22.3 |
| | | 1 | 24 | 21.4 | **21.7** | 21.3 | 22.5 | **22.7** | 22.3 |
| | | 1 | 49 | 21.4 | 21.6 | 21.1 | 22.5 | 22.7 | 22.2 |
| | | 25 | 0 | 21.3 | 21.5 | 21.4 | 20.9 | 21.0 | 20.9 |
| | | 25 | 12 | 21.3 | 21.5 | 21.4 | 20.8 | 21.0 | 20.9 |
| | | 25 | 24 | 21.3 | 21.5 | 21.4 | 20.8 | 21.0 | 20.9 |
| | | 50 | 0 | 21.3 | 21.6 | 21.4 | 20.9 | 21.0 | 20.8 |
| | 64QAM | 1 | 0 | 21.0 | 21.3 | 21.3 | 21.2 | 21.4 | 21.2 |
| | | 1 | 24 | 20.9 | 21.2 | 21.2 | 21.1 | 21.3 | 21.1 |
| | | 1 | 49 | 21.1 | **21.4** | **21.4** | 21.3 | **21.5** | 21.3 |
| | | 25 | 0 | 20.8 | 21.0 | 21.0 | 19.9 | 20.0 | 20.0 |
| | | 25 | 12 | 20.8 | 21.1 | 21.0 | 19.8 | 20.0 | 20.0 |
| | | 25 | 24 | 20.8 | 21.0 | 21.0 | 19.8 | 20.0 | 20.0 |
| | | 50 | 0 | 20.8 | 21.0 | 21.0 | 19.8 | 20.0 | 19.9 |
| | 256QAM | 1 | 0 | 19.4 | 19.5 | 19.4 | 18.2 | 18.5 | 18.4 |
| | | 1 | 24 | 19.5 | **19.7** | 19.5 | 18.4 | **18.7** | 18.5 |
| | | 1 | 49 | 19.4 | 19.5 | 19.4 | 18.3 | 18.5 | 18.4 |
| | | 25 | 0 | 19.3 | 19.5 | 19.5 | 18.3 | 18.5 | 18.5 |
| | | 25 | 12 | 19.3 | 19.5 | 19.5 | 18.3 | 18.5 | 18.5 |
| | | 25 | 24 | 19.3 | 19.5 | 19.5 | 18.3 | 18.5 | 18.4 |
| | | 50 | 0 | 19.3 | 19.5 | 19.5 | 18.3 | 18.5 | 18.4 |



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## OUTPUT POWER FOR LTE BAND 48 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | |
| | | | | 55315 | 55990 | 56665 | 55315 | 55990 | 56665 |
| | | | | 3557.5 | 3625.0 | 3692.5 | 3557.5 | 3625.0 | 3692.5 |
| 15.0 | QPSK | 1 | 0 | 21.5 | 21.7 | 21.6 | 22.9 | 23.0 | 23.0 |
| | | 1 | 37 | 21.4 | 21.6 | 21.6 | 22.8 | 22.9 | 22.8 |
| | | 1 | 74 | 21.5 | **21.8** | 21.6 | 23.0 | **23.0** | 23.0 |
| | | 36 | 0 | 21.5 | 21.7 | 21.6 | 21.9 | 21.9 | 21.9 |
| | | 36 | 16 | 21.5 | 21.7 | 21.6 | 21.8 | 21.9 | 21.9 |
| | | 36 | 35 | 21.5 | 21.7 | 21.6 | 21.9 | 21.9 | 21.9 |
| | | 75 | 0 | 21.5 | 21.7 | 21.6 | 21.9 | 21.9 | 21.9 |
| | 16QAM | 1 | 0 | 21.4 | 21.7 | 21.5 | 22.4 | 22.1 | 22.5 |
| | | 1 | 37 | 21.1 | 21.4 | 20.9 | 22.2 | **22.5** | 22.4 |
| | | 1 | 74 | 21.0 | 21.6 | 21.5 | 22.4 | 22.4 | 22.4 |
| | | 36 | 0 | 21.5 | **21.8** | 21.6 | 20.9 | 20.9 | 20.9 |
| | | 36 | 16 | 21.4 | 21.7 | 21.6 | 20.9 | 20.9 | 20.9 |
| | | 36 | 35 | 21.5 | 21.8 | 21.6 | 20.9 | 20.9 | 20.9 |
| | | 75 | 0 | 21.5 | 21.7 | 21.6 | 20.9 | 20.9 | 20.9 |
| | 64QAM | 1 | 0 | 21.5 | 21.4 | 21.7 | 21.4 | 21.3 | 21.1 |
| | | 1 | 37 | 21.4 | **21.8** | 21.6 | 21.0 | 21.1 | 21.4 |
| | | 1 | 74 | 21.5 | 21.3 | 21.4 | 21.4 | **21.5** | 21.4 |
| | | 36 | 0 | 21.0 | 21.2 | 21.2 | 19.9 | 19.9 | 20.0 |
| | | 36 | 16 | 21.0 | 21.2 | 21.2 | 19.9 | 19.9 | 19.9 |
| | | 36 | 35 | 21.0 | 21.2 | 21.2 | 19.9 | 19.9 | 20.0 |
| | | 75 | 0 | 21.0 | 21.2 | 21.2 | 19.8 | 19.9 | 20.0 |
| | 256QAM | 1 | 0 | 19.9 | 19.5 | 19.6 | 18.4 | 18.6 | **18.6** |
| | | 1 | 37 | 19.6 | 19.8 | **20.0** | 18.3 | 18.3 | 18.5 |
| | | 1 | 74 | 19.6 | 19.7 | 19.9 | 18.3 | 18.4 | 18.3 |
| | | 36 | 0 | 19.4 | 19.7 | 19.6 | 18.3 | 18.3 | 18.4 |
| | | 36 | 16 | 19.5 | 19.7 | 19.6 | 18.3 | 18.4 | 18.4 |
| | | 36 | 35 | 19.4 | 19.7 | 19.6 | 18.3 | 18.3 | 18.4 |
| | | 75 | 0 | 19.5 | 19.7 | 19.7 | 18.3 | 18.4 | 18.4 |

## OUTPUT POWER FOR LTE BAND 48 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | |
| | | | | 55340 | 55990 | 56640 | 55340 | 55990 | 56640 |
| | | | | 3560.0 | 3625.0 | 3690.0 | 3560.0 | 3625.0 | 3690.0 |
| 20.0 | QPSK | 1 | 0 | 21.7 | 21.8 | 21.8 | 22.8 | 22.9 | 22.8 |
| | | 1 | 49 | 21.7 | 21.8 | 21.8 | 22.8 | **23.0** | 22.9 |
| | | 1 | 99 | 21.6 | **22.1** | 21.7 | 22.8 | 22.9 | 22.8 |
| | | 50 | 0 | 21.7 | 21.8 | 21.8 | 21.8 | 21.9 | 21.8 |
| | | 50 | 24 | 21.7 | 21.8 | 21.8 | 21.8 | 21.9 | 21.8 |
| | | 50 | 49 | 21.7 | 21.9 | 21.7 | 21.8 | 21.9 | 21.8 |
| | | 100 | 0 | 21.7 | 21.8 | 21.8 | 21.8 | 21.9 | 21.8 |
| | 16QAM | 1 | 0 | 21.4 | **22.0** | 21.8 | **22.7** | 22.5 | 22.1 |
| | | 1 | 49 | 21.7 | 21.9 | 21.8 | 22.5 | 22.6 | 22.5 |
| | | 1 | 99 | 21.6 | 21.6 | 21.7 | 22.6 | 22.6 | 22.1 |
| | | 50 | 0 | 21.6 | 21.7 | 21.6 | 20.9 | 21.0 | 20.9 |
| | | 50 | 24 | 21.6 | 21.7 | 21.5 | 20.8 | 20.9 | 20.9 |
| | | 50 | 49 | 21.6 | 21.8 | 21.6 | 20.9 | 20.9 | 20.9 |
| | | 100 | 0 | 21.5 | 21.8 | 21.6 | 20.9 | 20.9 | 20.9 |
| | 64QAM | 1 | 0 | 21.4 | 21.7 | 21.6 | 21.4 | 21.8 | 21.5 |
| | | 1 | 49 | 21.5 | **21.9** | 21.7 | 21.8 | 21.8 | 21.6 |
| | | 1 | 99 | 21.5 | 21.9 | 21.5 | 21.3 | **21.9** | 21.4 |
| | | 50 | 0 | 21.0 | 21.1 | 21.0 | 19.9 | 20.0 | 20.0 |
| | | 50 | 24 | 21.0 | 21.1 | 21.0 | 19.9 | 20.1 | 20.0 |
| | | 50 | 49 | 21.0 | 21.1 | 21.0 | 19.9 | 20.0 | 20.0 |
| | | 100 | 0 | 21.0 | 21.1 | 21.0 | 19.9 | 20.0 | 20.0 |
| | 256QAM | 1 | 0 | 19.3 | 19.5 | 19.7 | 18.7 | 18.4 | 18.6 |
| | | 1 | 49 | 19.8 | 19.8 | 19.9 | 18.3 | 18.6 | 18.3 |
| | | 1 | 99 | 19.6 | **19.9** | 19.6 | 18.7 | **19.0** | 18.6 |
| | | 50 | 0 | 19.4 | 19.5 | 19.5 | 18.4 | 18.5 | 18.5 |
| | | 50 | 24 | 19.4 | 19.5 | 19.5 | 18.4 | 18.5 | 18.5 |
| | | 50 | 49 | 19.5 | 19.6 | 19.5 | 18.4 | 18.5 | 18.5 |
| | | 100 | 0 | 19.4 | 19.5 | 19.5 | 18.4 | 18.5 | 18.5 |



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## 5G NR n48

| Test Engineer ID: | 19210AL and 27966PV | Test Date: | 2024-02-29 to 2024-03-06 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n48 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 637000 | 641666 | 646333 | 637000 | 641666 | 646333 | 637000 | 641666 | 646333 | 637000 | 641666 | 646333 |
| | | | | 3555.0 | 3625.0 | 3695.0 | 3555.0 | 3625.0 | 3695.0 | 3555.0 | 3625.0 | 3695.0 | 3555.0 | 3625.0 | 3695.0 |
| 10.0 | BPSK | 1 | 0 | **22.0** | 21.9 | 21.8 | 21.7 | 21.6 | 21.5 | **21.4** | 21.4 | **21.6** | 21.6 | **21.9** | 21.7 |
| | | 1 | 1 | 21.8 | 21.9 | **21.9** | 21.7 | 21.6 | **21.6** | **21.4** | 21.5 | 21.5 | **21.7** | **21.9** | 21.7 |
| | | 1 | 22 | 21.8 | 21.9 | **21.9** | 21.8 | 21.6 | 21.5 | 21.3 | 21.6 | 21.5 | 21.6 | **21.9** | **21.8** |
| | | 1 | 23 | **22.0** | 21.9 | **21.9** | **21.9** | **21.7** | 21.4 | 21.3 | 21.6 | **21.6** | **21.7** | 21.8 | 21.7 |
| | | 12 | 6 | 21.9 | **22.0** | 21.8 | 21.7 | **21.7** | 21.4 | 21.3 | **21.7** | **21.6** | 21.6 | 21.7 | **21.8** |
| | | 24 | 0 | 21.8 | **22.0** | 21.8 | 21.7 | **21.7** | 21.5 | **21.4** | 21.5 | **21.6** | 21.6 | 21.8 | 21.7 |
| | QPSK | 1 | 0 | **22.0** | **21.9** | **21.9** | 21.7 | 21.6 | 21.5 | 21.2 | **21.6** | **21.6** | **21.7** | 21.8 | **21.8** |
| | | 1 | 1 | 21.8 | **21.9** | **21.9** | **21.8** | **21.7** | **21.6** | **21.3** | 21.5 | **21.6** | **21.7** | 21.8 | **21.8** |
| | | 1 | 22 | 21.9 | **21.9** | 21.8 | **21.8** | **21.7** | 21.4 | 21.2 | **21.6** | 21.5 | **21.7** | **21.9** | **21.8** |
| | | 1 | 23 | 21.8 | **21.9** | **21.9** | 21.7 | 21.5 | 21.5 | 21.2 | **21.6** | **21.6** | 21.6 | **21.9** | 21.7 |
| | | 12 | 6 | 21.9 | 21.8 | 21.8 | 21.7 | 21.6 | 21.4 | **21.3** | 21.5 | **21.6** | **21.7** | 21.8 | 21.7 |
| | | 24 | 0 | 21.9 | 21.8 | 21.8 | **21.8** | 21.6 | 21.5 | **21.3** | **21.6** | 21.4 | **21.7** | 21.8 | 21.7 |
| | 16QAM | 1 | 0 | 21.4 | 21.7 | 21.7 | 21.4 | **21.5** | **21.3** | **21.1** | 21.1 | 21.2 | 21.4 | 21.5 | 21.4 |
| | | 1 | 1 | 21.3 | 21.4 | 21.5 | 21.4 | 21.1 | 21.0 | **21.1** | 21.5 | 21.2 | 21.5 | **21.6** | 21.5 |
| | | 1 | 22 | **21.8** | 21.6 | **21.8** | **21.5** | 21.4 | 21.0 | 21.0 | **21.6** | 21.0 | **21.6** | 21.4 | 21.4 |
| | | 1 | 23 | 21.2 | **21.8** | 21.4 | 21.4 | 21.1 | 21.0 | 20.9 | 21.0 | 21.1 | 21.5 | 21.4 | **21.6** |
| | | 12 | 6 | 21.4 | 21.4 | 21.3 | **21.5** | 21.3 | 21.1 | 21.0 | 21.3 | **21.3** | 21.2 | 21.4 | **21.6** |
| | | 24 | 0 | 21.5 | 21.5 | 21.5 | 21.4 | 21.4 | 21.1 | **21.1** | 21.2 | **21.3** | 21.2 | 21.3 | 21.4 |
| | 64QAM | 1 | 0 | 21.4 | 21.4 | 21.2 | 21.5 | 21.1 | **21.3** | 20.9 | **21.5** | 21.4 | 21.2 | 21.0 | 21.4 |
| | | 1 | 1 | 21.3 | **21.5** | 21.2 | 21.5 | **21.2** | 21.2 | **21.4** | 21.3 | 21.0 | 21.2 | **21.5** | 21.5 |
| | | 1 | 22 | **21.5** | 21.4 | **21.9** | **21.6** | **21.2** | **21.3** | 20.9 | 21.3 | 21.1 | 21.1 | 21.3 | **21.6** |
| | | 1 | 23 | 21.3 | 21.3 | 21.7 | 21.5 | **21.2** | 21.0 | 20.9 | 21.4 | **21.7** | 21.2 | 21.3 | 21.4 |
| | | 12 | 6 | **21.5** | **21.5** | 21.4 | 21.3 | **21.2** | 21.1 | 21.0 | 21.3 | 21.4 | 21.3 | **21.5** | **21.6** |
| | | 24 | 0 | 21.4 | 21.4 | 21.6 | 21.4 | **21.2** | 21.1 | 21.0 | 21.1 | 21.3 | **21.4** | 21.4 | 21.5 |
| | 256QAM | 1 | 0 | 19.9 | 19.8 | 19.7 | 19.3 | 19.1 | **19.5** | 19.3 | 19.4 | **19.8** | 19.4 | **19.6** | **21.6** |
| | | 1 | 1 | 19.8 | **20.0** | **20.0** | **19.4** | **19.4** | **19.5** | **19.5** | 19.5 | **19.8** | **19.7** | 19.3 | **21.6** |
| | | 1 | 22 | 20.0 | 19.9 | 19.8 | 19.2 | 19.1 | 19.3 | 19.3 | **19.9** | 19.7 | 19.6 | **19.6** | 21.5 |
| | | 1 | 23 | **20.4** | 19.9 | 19.9 | 19.3 | **19.4** | **19.5** | **19.5** | 19.3 | **19.8** | 19.3 | 19.3 | 21.5 |
| | | 12 | 6 | 20.0 | **20.0** | **20.0** | **19.4** | 19.2 | 19.2 | **19.5** | 19.7 | **19.8** | 19.4 | 19.4 | 21.5 |
| | | 24 | 0 | 19.9 | 19.9 | **20.0** | 19.3 | 19.2 | 19.2 | **19.5** | 19.7 | **19.8** | 19.4 | 19.5 | **21.6** |

## OUTPUT POWER FOR 5G NR n48 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 637166 | 641333 | 646166 | 637166 | 641333 | 646166 | 637166 | 641333 | 646166 | 637166 | 641333 | 646166 |
| | | | | 3557.5 | 3620.0 | 3692.5 | 3557.5 | 3620.0 | 3692.5 | 3557.5 | 3620.0 | 3692.5 | 3557.5 | 3620.0 | 3692.5 |
| 15.0 | BPSK | 1 | 0 | 21.9 | 21.7 | **21.9** | 21.6 | 21.6 | 21.6 | **21.4** | 21.5 | 21.5 | **21.6** | 21.7 | 21.6 |
| | | 1 | 1 | **22.0** | 21.8 | 21.8 | 21.7 | 21.6 | 21.5 | **21.4** | 21.5 | 21.5 | **21.6** | 21.7 | **21.8** |
| | | 1 | 36 | 21.8 | **21.9** | **21.9** | 21.7 | 21.5 | 21.6 | 21.3 | 21.6 | 21.5 | 21.5 | 21.8 | 21.7 |
| | | 1 | 37 | 21.9 | **21.9** | 21.8 | **21.9** | 21.6 | 21.5 | 21.3 | **21.7** | 21.5 | **21.6** | **21.9** | 21.7 |
| | | 18 | 9 | 21.8 | 21.8 | 21.7 | 21.7 | 21.6 | **21.7** | 21.3 | 21.5 | **21.6** | 21.5 | 21.8 | 21.6 |
| | | 36 | 0 | 21.8 | **21.9** | 21.8 | 21.7 | **21.7** | 21.6 | 21.2 | 21.5 | 21.5 | **21.6** | 21.8 | 21.6 |
| | QPSK | 1 | 0 | **21.9** | 21.9 | 21.7 | 21.8 | **21.7** | 21.6 | 21.3 | 21.6 | **21.5** | **21.6** | 21.7 | 21.6 |
| | | 1 | 1 | 21.8 | **22.0** | 21.7 | 21.7 | 21.6 | 21.5 | **21.4** | 21.5 | **21.5** | 21.5 | 21.7 | 21.6 |
| | | 1 | 36 | 21.8 | 21.9 | **21.8** | **21.9** | 21.6 | 21.5 | 21.3 | 21.6 | 21.4 | 21.5 | 21.7 | 21.6 |
| | | 1 | 37 | **21.9** | 21.8 | **21.8** | 21.7 | 21.6 | 21.6 | 21.2 | **21.7** | 21.4 | 21.4 | **21.8** | 21.6 |
| | | 18 | 9 | 21.7 | 21.9 | 21.7 | 21.7 | **21.7** | 21.5 | 21.3 | 21.5 | **21.5** | **21.6** | **21.8** | **21.7** |
| | | 36 | 0 | 21.8 | 21.8 | **21.8** | 21.8 | 21.6 | **21.7** | 21.3 | 21.5 | 21.4 | 21.5 | **21.8** | 21.6 |
| | 16QAM | 1 | 0 | 21.4 | 21.6 | 21.4 | 21.3 | 21.2 | **21.5** | 20.9 | 21.1 | 21.0 | 21.1 | 21.4 | 21.4 |
| | | 1 | 1 | 21.7 | 21.7 | 21.4 | 21.4 | **21.3** | **21.5** | 20.9 | **21.3** | 21.3 | 21.2 | 21.4 | 21.3 |
| | | 1 | 36 | 21.5 | 21.7 | 21.5 | 21.3 | **21.3** | 21.1 | 20.9 | **21.3** | **21.4** | **21.3** | 21.4 | 21.1 |
| | | 1 | 37 | **21.8** | **21.8** | 21.5 | 21.0 | 21.2 | 21.1 | **21.0** | 21.1 | 21.0 | 21.2 | **21.5** | **21.5** |
| | | 18 | 9 | 21.6 | 21.7 | **21.6** | **21.5** | **21.3** | 21.3 | **21.0** | **21.3** | 21.2 | 21.2 | 21.4 | 21.3 |
| | | 36 | 0 | 21.6 | 21.7 | **21.6** | 21.4 | **21.3** | 21.3 | 20.9 | 21.2 | 21.2 | 21.2 | **21.5** | 21.3 |
| | 64QAM | 1 | 0 | 21.7 | 21.8 | 21.5 | 21.3 | 21.4 | 21.0 | 21.1 | **21.2** | 21.4 | 21.0 | 21.5 | 21.5 |
| | | 1 | 1 | 21.9 | 21.9 | 21.5 | 21.4 | **21.5** | 21.1 | **21.2** | **21.2** | **21.5** | **21.3** | 21.5 | 21.5 |
| | | 1 | 36 | 21.4 | **22.1** | 21.5 | **21.6** | 21.1 | 21.2 | **21.2** | **21.2** | 20.9 | 21.1 | 21.3 | 21.5 |
| | | 1 | 37 | **22.0** | 21.7 | **21.7** | 21.1 | 21.3 | 21.1 | 21.0 | 21.0 | **21.5** | 21.1 | 21.2 | **21.6** |
| | | 18 | 9 | 21.7 | 21.6 | 21.5 | 21.4 | 21.3 | **21.3** | 21.1 | **21.2** | 21.2 | 21.1 | **21.6** | 21.3 |
| | | 36 | 0 | 21.6 | 21.7 | 21.6 | 21.4 | 21.4 | 21.2 | 21.0 | **21.2** | 21.3 | **21.3** | 21.4 | 21.2 |
| | 256QAM | 1 | 0 | 20.0 | 20.2 | **20.4** | **19.6** | **19.6** | **19.4** | **19.6** | 19.6 | **20.2** | 19.2 | 19.3 | 19.3 |
| | | 1 | 1 | **20.4** | **20.4** | 20.2 | 19.2 | 19.5 | 19.3 | **19.6** | 19.8 | 20.0 | **19.3** | 19.2 | 19.1 |
| | | 1 | 36 | 20.1 | 20.2 | 20.3 | 19.3 | 19.4 | 19.1 | 19.4 | **19.9** | 20.0 | 19.0 | **19.5** | **19.5** |
| | | 1 | 37 | 19.9 | 20.2 | 19.9 | 19.3 | 19.4 | 19.2 | 19.4 | **19.9** | 19.7 | 19.2 | 19.1 | 19.3 |
| | | 18 | 9 | 20.2 | 20.2 | 20.1 | 19.4 | 19.3 | 19.2 | **19.6** | 19.6 | 19.9 | **19.3** | 19.4 | 19.4 |
| | | 36 | 0 | 20.1 | 20.1 | 20.1 | 19.4 | 19.3 | 19.2 | 19.5 | 19.7 | 19.7 | **19.3** | **19.5** | 19.3 |




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## OUTPUT POWER FOR 5G NR n48 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 637333 | 641333 | 646000 | 637333 | 641333 | 646000 | 637333 | 641333 | 646000 | 637333 | 641333 | 646000 |
| | | | | 3560.0 | 3620.0 | 3690.0 | 3560.0 | 3620.0 | 3690.0 | 3560.0 | 3620.0 | 3690.0 | 3560.0 | 3620.0 | 3690.0 |
| 20.0 | BPSK | 1 | 0 | 21.8 | **21.9** | 21.7 | **21.8** | 21.7 | **21.6** | 21.4 | 21.6 | **21.6** | **21.6** | 21.7 | **21.8** |
| | | 1 | 1 | 21.8 | 21.8 | 21.7 | **21.8** | 21.7 | **21.6** | **21.5** | 21.5 | 21.5 | **21.6** | **21.8** | **21.8** |
| | | 1 | 49 | 21.7 | **21.9** | **21.9** | **21.8** | 21.7 | 21.5 | 21.3 | **21.7** | **21.6** | 21.5 | **21.8** | **21.8** |
| | | 1 | 50 | **21.9** | **21.9** | 21.8 | 21.7 | **21.9** | 21.5 | 21.3 | 21.6 | **21.6** | 21.5 | 21.7 | 21.7 |
| | | 25 | 12 | **21.9** | 21.7 | 21.8 | **21.8** | 21.8 | 21.5 | 21.3 | 21.5 | 21.5 | **21.6** | **21.8** | 21.7 |
| | | 50 | 0 | **21.9** | 21.8 | 21.7 | 21.7 | 21.7 | 21.5 | 21.4 | 21.5 | 21.5 | 21.5 | **21.8** | 21.7 |
| | QPSK | 1 | 0 | **21.9** | 21.7 | **21.7** | **21.8** | 21.7 | 21.5 | 21.2 | 21.5 | 21.6 | 21.6 | 21.6 | 21.8 |
| | | 1 | 1 | 21.8 | 21.7 | 21.6 | **21.8** | 21.7 | 21.5 | **21.4** | 21.5 | **21.7** | **21.7** | 21.7 | **21.9** |
| | | 1 | 49 | 21.7 | 21.8 | **21.7** | **21.8** | 21.7 | 21.5 | 21.2 | **21.6** | **21.7** | 21.5 | 21.6 | 21.7 |
| | | 1 | 50 | **21.9** | 21.8 | **21.7** | 21.7 | **21.8** | **21.6** | 21.3 | **21.6** | 21.6 | 21.4 | **21.8** | 21.7 |
| | | 25 | 12 | **21.9** | **21.9** | **21.7** | **21.8** | 21.6 | 21.5 | 21.3 | 21.5 | 21.6 | 21.6 | 21.7 | 21.6 |
| | | 50 | 0 | **21.9** | 21.8 | 21.6 | **21.8** | 21.7 | 21.5 | 21.2 | **21.6** | 21.5 | 21.5 | **21.8** | 21.7 |
| | 16QAM | 1 | 0 | 21.5 | 21.4 | 21.5 | 21.5 | **21.9** | 21.0 | **21.5** | 21.2 | 21.2 | 21.1 | **21.5** | 21.2 |
| | | 1 | 1 | 21.5 | **21.6** | 21.3 | 21.7 | 21.8 | 21.1 | 21.0 | 21.2 | 21.2 | 21.1 | 21.3 | 21.3 |
| | | 1 | 49 | 21.4 | 21.5 | 21.4 | 21.5 | 21.8 | 21.0 | 21.1 | 21.2 | 21.1 | 21.0 | 21.4 | 21.2 |
| | | 1 | 50 | **21.6** | **21.6** | **21.6** | **21.9** | 21.8 | 21.1 | 21.2 | 21.2 | **21.4** | 21.1 | 21.4 | 21.2 |
| | | 25 | 12 | **21.6** | 21.5 | 21.4 | 21.5 | 21.3 | **21.2** | 21.0 | **21.3** | 21.3 | **21.3** | 21.4 | **21.4** |
| | | 50 | 0 | **21.6** | **21.6** | 21.5 | 21.5 | 21.3 | **21.2** | 20.9 | 21.2 | 21.3 | **21.3** | 21.4 | **21.4** |
| | 64QAM | 1 | 0 | 21.6 | 21.5 | 21.5 | 21.4 | 20.9 | 21.3 | **21.4** | 21.1 | 21.2 | 21.1 | 21.1 | **21.5** |
| | | 1 | 1 | 21.2 | 21.4 | 21.5 | 21.3 | **21.5** | **21.4** | 21.0 | 21.0 | 21.1 | 21.1 | 21.3 | 21.3 |
| | | 1 | 49 | 21.4 | 21.5 | 21.5 | 21.3 | 21.2 | 21.1 | 21.1 | **21.3** | **21.3** | **21.2** | 21.3 | 21.3 |
| | | 1 | 50 | **21.8** | 21.5 | **21.8** | **21.5** | 21.3 | **21.4** | 21.0 | 21.1 | 21.2 | **21.2** | 21.3 | 21.2 |
| | | 25 | 12 | 21.6 | 21.5 | 21.4 | **21.5** | 21.3 | 21.2 | 20.9 | **21.3** | **21.3** | **21.2** | **21.5** | 21.3 |
| | | 50 | 0 | 21.4 | **21.6** | 21.4 | **21.5** | 21.3 | 21.2 | 20.9 | 21.2 | **21.3** | **21.2** | 21.4 | 21.3 |
| | 256QAM | 1 | 0 | **20.4** | **20.2** | **20.0** | 19.6 | 19.2 | 19.3 | **19.8** | 19.9 | 19.6 | **19.6** | 19.3 | 19.2 |
| | | 1 | 1 | 20.2 | 20.1 | 19.9 | **20.0** | 19.1 | **19.5** | 19.7 | 19.5 | 19.7 | 19.5 | 19.0 | **19.3** |
| | | 1 | 49 | 20.2 | 20.1 | 19.7 | 19.4 | 19.2 | 19.2 | 19.6 | 19.7 | **19.9** | 19.4 | 19.1 | 19.1 |
| | | 1 | 50 | 20.0 | 19.9 | **20.0** | 19.6 | **19.5** | 19.2 | 19.7 | **20.0** | 19.6 | 19.4 | 19.1 | 18.9 |
| | | 25 | 12 | 20.0 | 19.9 | 19.9 | 19.5 | 19.4 | 19.3 | 19.4 | 19.7 | 19.8 | 19.2 | 19.4 | **19.3** |
| | | 50 | 0 | 20.1 | 20.0 | **20.0** | 19.5 | 19.4 | 19.2 | 19.6 | 19.7 | 19.8 | 19.3 | **19.5** | **19.3** |

## OUTPUT POWER FOR 5G NR n48 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 637666 | 641666 | 645666 | 637666 | 641666 | 645666 | 637666 | 641666 | 645666 | 637666 | 641666 | 645666 |
| | | | | 3565.0 | 3625.0 | 3685.0 | 3565.0 | 3625.0 | 3685.0 | 3565.0 | 3625.0 | 3685.0 | 3565.0 | 3625.0 | 3685.0 |
| 30.0 | BPSK | 1 | 0 | **13.9** | 20.7 | 14.2 | 13.8 | 20.7 | 13.7 | 13.5 | 20.2 | 13.4 | 13.2 | 20.0 | **13.2** |
| | | 1 | 1 | 13.8 | 20.7 | 14.2 | 13.8 | 20.7 | **13.9** | 13.6 | 20.2 | 13.4 | 13.1 | 20.0 | **13.2** |
| | | 1 | 76 | 13.8 | 20.9 | 14.2 | **14.0** | 20.4 | 13.8 | 13.5 | 20.1 | **13.6** | 13.3 | 19.9 | **13.2** |
| | | 1 | 77 | **13.9** | 20.9 | **14.3** | 13.9 | 20.4 | 13.8 | **13.7** | 20.1 | **13.6** | **13.4** | 20.1 | **13.2** |
| | | 36 | 18 | 13.7 | 20.9 | 14.2 | **14.0** | **21.9** | 13.8 | **13.7** | **21.2** | **13.6** | **13.4** | **21.9** | **13.2** |
| | | 75 | 0 | 13.8 | **21.9** | 14.2 | **14.0** | 20.6 | 13.7 | **13.7** | 20.2 | **13.6** | 13.3 | 20.0 | **13.2** |
| | QPSK | 1 | 0 | **14.0** | 20.7 | 14.2 | 13.9 | 20.6 | **13.8** | 13.2 | 20.3 | **13.6** | 13.1 | 19.8 | 13.1 |
| | | 1 | 1 | 13.8 | 20.6 | 14.0 | 14.0 | 20.6 | **13.8** | 13.4 | 20.2 | **13.6** | 13.1 | 19.8 | **13.2** |
| | | 1 | 76 | 13.8 | 20.9 | 14.1 | **14.1** | 20.4 | 13.7 | 13.6 | 20.1 | **13.6** | 13.4 | 19.9 | **13.2** |
| | | 1 | 77 | 13.8 | 20.8 | **14.3** | 14.0 | 20.3 | **13.8** | **13.7** | 20.1 | **13.6** | 13.3 | 19.9 | 13.1 |
| | | 36 | 18 | 13.7 | **21.9** | 14.2 | 13.9 | **21.9** | **13.8** | **13.7** | **21.2** | **13.6** | **13.5** | **21.5** | **13.2** |
| | | 75 | 0 | 13.8 | 20.9 | 14.2 | 14.0 | 20.6 | 13.7 | **13.7** | 20.2 | **13.6** | 13.4 | 20.0 | **13.2** |
| | 16QAM | 1 | 0 | **13.5** | 20.7 | 13.7 | 13.5 | 20.6 | 13.4 | 13.1 | 20.2 | 13.0 | 12.6 | 19.8 | 12.7 |
| | | 1 | 1 | 13.4 | 20.5 | 13.7 | 13.5 | 20.4 | 13.4 | 13.1 | 20.1 | 13.0 | 12.7 | 19.8 | **12.9** |
| | | 1 | 76 | 13.4 | 20.8 | **13.8** | **13.6** | 20.4 | **13.5** | 13.3 | 19.9 | **13.2** | **12.9** | 19.8 | **12.9** |
| | | 1 | 77 | 13.4 | 20.8 | **13.8** | **13.6** | 20.2 | 13.3 | **13.4** | 20.2 | 13.0 | 12.8 | 19.8 | 12.7 |
| | | 36 | 18 | 13.3 | **21.8** | **13.8** | 13.4 | **21.6** | **13.5** | 13.2 | **21.1** | **13.2** | **12.9** | **21.5** | **12.9** |
| | | 75 | 0 | 13.4 | 20.8 | 13.7 | 13.4 | 20.5 | 13.2 | 13.2 | 20.1 | 13.1 | 12.8 | 19.9 | 12.7 |
| | 64QAM | 1 | 0 | **13.4** | 20.5 | **13.7** | 13.3 | 20.6 | 13.5 | 13.0 | 20.2 | **13.0** | 12.4 | 19.9 | 12.5 |
| | | 1 | 1 | 13.3 | 20.4 | 13.6 | 13.4 | 20.5 | **13.6** | 13.1 | 20.2 | 12.8 | 12.6 | 20.0 | 12.7 |
| | | 1 | 76 | 13.3 | 20.7 | 13.5 | **13.6** | 20.5 | 13.5 | 13.2 | 20.0 | 12.9 | **12.8** | 20.0 | **12.8** |
| | | 1 | 77 | **13.4** | 20.7 | **13.7** | **13.6** | 20.4 | 13.5 | **13.4** | 20.0 | 12.9 | 12.5 | 20.0 | 12.7 |
| | | 36 | 18 | 13.3 | **21.8** | **13.7** | 13.5 | **21.5** | 13.5 | 13.2 | **21.1** | 12.9 | **12.8** | **21.5** | **12.8** |
| | | 75 | 0 | 13.3 | 20.8 | **13.7** | 13.4 | 20.5 | 13.2 | 13.2 | 20.1 | 12.9 | 12.7 | 20.0 | 12.6 |
| | 256QAM | 1 | 0 | 13.2 | 20.2 | 13.5 | 13.2 | **20.2** | **13.2** | 12.9 | **19.7** | 12.9 | 12.5 | **19.6** | 12.8 |
| | | 1 | 1 | 13.1 | 20.2 | 13.5 | 13.3 | **20.2** | **13.2** | 12.9 | 19.6 | 12.9 | 12.7 | **19.6** | 12.8 |
| | | 1 | 76 | 13.1 | **20.4** | **13.6** | 13.4 | 20.1 | **13.2** | 13.1 | 19.5 | 13.0 | **12.9** | **19.6** | **12.9** |
| | | 1 | 77 | 13.1 | **20.4** | **13.6** | 13.4 | 20.1 | 13.0 | 13.1 | 19.5 | 13.0 | 12.8 | **19.6** | 12.8 |
| | | 36 | 18 | **13.3** | **20.4** | **13.6** | **13.5** | 20.0 | **13.2** | **13.2** | **19.7** | 13.0 | **12.9** | 19.5 | 12.8 |
| | | 75 | 0 | **13.3** | **20.4** | **13.6** | **13.5** | 20.0 | **13.2** | 13.1 | **19.7** | **13.1** | 12.8 | 19.5 | 12.6 |



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## OUTPUT POWER FOR 5G NR n48 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 638000 | 641333 | 645333 | 638000 | 641333 | 645333 | 638000 | 641333 | 645333 | 638000 | 641333 | 645333 |
| | | | | 3570.0 | 3620.0 | 3680.0 | 3570.0 | 3620.0 | 3680.0 | 3570.0 | 3620.0 | 3680.0 | 3570.0 | 3620.0 | 3680.0 |
| 40.0 | BPSK | 1 | 0 | 13.9 | 21.7 | **14.2** | 13.9 | 20.6 | 13.9 | 13.5 | **21.2** | 13.5 | 13.1 | **21.9** | 13.4 |
| | | 1 | 1 | 13.9 | 21.6 | 14.1 | 14.0 | 20.6 | **14.0** | 13.7 | **21.2** | 13.4 | 13.2 | **21.9** | **13.5** |
| | | 1 | 104 | **14.0** | **22.0** | **14.2** | **14.2** | 20.4 | 13.9 | 13.7 | 21.0 | **13.6** | 13.2 | **21.9** | **13.5** |
| | | 1 | 105 | 13.9 | **22.0** | **14.2** | **14.2** | 20.4 | 13.8 | 13.6 | 21.1 | 13.5 | 13.1 | **21.9** | 13.4 |
| | | 50 | 25 | 13.7 | 21.8 | 14.0 | 14.0 | **21.9** | 13.7 | **13.8** | **21.2** | 13.5 | **13.6** | 21.8 | 13.3 |
| | | 100 | 0 | 13.8 | **22.0** | 14.1 | 14.0 | 20.0 | 13.7 | **13.8** | 21.1 | 13.5 | 13.4 | 21.8 | 13.3 |
| | QPSK | 1 | 0 | **14.0** | 21.6 | 14.1 | 13.9 | 20.7 | 13.8 | 13.5 | 21.1 | 13.5 | 13.3 | **21.8** | 13.2 |
| | | 1 | 1 | 13.9 | 21.7 | 14.1 | 13.9 | 20.7 | **14.0** | 13.6 | **21.2** | 13.5 | 13.3 | 21.7 | **13.3** |
| | | 1 | 104 | 13.9 | **21.9** | 14.1 | **14.2** | 20.5 | 13.9 | 13.7 | **21.2** | 13.6 | 13.5 | **21.8** | 13.2 |
| | | 1 | 105 | **14.0** | **21.9** | **14.2** | **14.2** | 20.5 | 13.7 | 13.7 | 21.1 | **13.7** | 13.3 | **21.8** | 13.1 |
| | | 50 | 25 | 13.7 | 21.8 | 14.0 | 14.0 | **21.7** | 13.7 | **13.8** | **21.2** | 13.5 | **13.6** | **21.8** | **13.3** |
| | | 100 | 0 | 13.8 | 21.8 | 14.0 | 14.0 | 20.0 | 13.7 | **13.8** | **21.2** | 13.5 | 13.4 | **21.8** | **13.3** |
| | 16QAM | 1 | 0 | 13.6 | 21.5 | 13.8 | 13.4 | 20.5 | 13.3 | 13.1 | 21.1 | **13.2** | 12.7 | 20.2 | 12.6 |
| | | 1 | 1 | 13.4 | 21.5 | 13.7 | 13.3 | 20.5 | **13.6** | 13.0 | 21.1 | 13.1 | 12.9 | 20.2 | **12.9** |
| | | 1 | 104 | 13.7 | **21.8** | 13.7 | **13.7** | 20.4 | 13.5 | 13.1 | 20.9 | 13.1 | 12.9 | 20.2 | **12.9** |
| | | 1 | 105 | **13.8** | **21.8** | **13.9** | **13.7** | 20.3 | 13.3 | **13.3** | 21.0 | 13.0 | 12.9 | 20.3 | 12.6 |
| | | 50 | 25 | 13.2 | 21.7 | 13.5 | 13.5 | **21.5** | 13.2 | **13.3** | 21.1 | 12.9 | **13.1** | **20.4** | 12.8 |
| | | 100 | 0 | 13.2 | **21.8** | 13.6 | 13.5 | 20.0 | 13.3 | 13.2 | **21.2** | 13.0 | 13.0 | 20.3 | 12.8 |
| | 64QAM | 1 | 0 | **13.4** | **21.8** | **13.5** | **13.5** | 20.8 | 13.0 | 13.0 | 21.0 | 13.0 | 12.5 | 20.1 | 12.7 |
| | | 1 | 1 | 13.3 | **21.8** | **13.5** | 13.4 | 20.8 | 13.1 | 13.0 | **21.1** | 13.0 | 12.7 | **20.3** | **12.8** |
| | | 1 | 104 | **13.4** | 21.7 | **13.5** | **13.5** | 20.6 | 13.1 | 13.2 | 20.8 | **13.1** | 13.0 | **20.3** | 12.7 |
| | | 1 | 105 | **13.4** | 21.7 | **13.5** | **13.5** | 20.5 | 13.1 | 13.2 | 20.9 | **13.1** | **13.3** | **20.3** | 12.5 |
| | | 50 | 25 | 13.1 | **21.8** | 13.4 | 13.4 | **21.2** | **13.2** | **13.3** | 21.0 | 13.0 | 13.0 | **20.3** | 12.7 |
| | | 100 | 0 | 13.2 | **21.8** | **13.5** | **13.5** | 20.1 | **13.2** | 13.2 | **21.1** | 13.0 | 13.0 | **20.3** | **12.8** |
| | 256QAM | 1 | 0 | 13.2 | 20.2 | 13.4 | **13.4** | **20.4** | 13.1 | 12.9 | 19.6 | **13.0** | 12.6 | 20.0 | 12.4 |
| | | 1 | 1 | 13.2 | 20.1 | **13.5** | **13.4** | 20.3 | **13.2** | 12.9 | 19.5 | **13.0** | 12.9 | 19.9 | 12.7 |
| | | 1 | 104 | 13.1 | 20.3 | **13.5** | **13.4** | 20.1 | **13.2** | 13.0 | 19.5 | **13.0** | 13.0 | **20.1** | 12.7 |
| | | 1 | 105 | **13.3** | **20.5** | **13.5** | **13.4** | 20.1 | 13.1 | 13.0 | 19.6 | **13.0** | 12.7 | 20.0 | 12.7 |
| | | 50 | 25 | 13.2 | 20.3 | 13.4 | **13.4** | 20.1 | 13.1 | **13.3** | 19.6 | **13.0** | **13.2** | 19.8 | **12.8** |
| | | 100 | 0 | 13.2 | 20.3 | **13.5** | **13.4** | 20.1 | **13.2** | **13.3** | **19.7** | **13.0** | 13.0 | 19.8 | **12.8** |



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# 8.14. LTE BAND 66 AND 5G NR n66

## LTE BAND 66

| Test Engineer ID: | 43576TS, 27915TT, and 52300CK | Test Date: | 2024-01-12 to 2024-02-09 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 66 (1.4 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 131979 | 132322 | 132665 | 131979 | 132322 | 132665 | 131979 | 132322 | 132665 | 131979 | 132322 | 132665 |
| | | | | 1710.7 | 1745.0 | 1779.3 | 1710.7 | 1745.0 | 1779.3 | 1710.7 | 1745.0 | 1779.3 | 1710.7 | 1745.0 | 1779.3 |
| 1.4 | QPSK | 1 | 0 | 24.0 | 24.2 | 24.2 | 23.5 | 23.7 | **23.8** | **24.0** | 24.0 | 23.9 | **23.9** | 23.8 | 23.6 |
| | | 1 | 2 | 23.8 | 24.2 | **24.2** | 23.5 | 23.5 | 23.6 | 24.0 | 23.8 | 23.8 | 23.6 | 23.6 | 23.7 |
| | | 1 | 5 | 24.0 | 24.2 | 24.1 | 23.5 | 23.7 | 23.7 | 23.9 | 24.0 | 23.9 | 23.8 | 23.7 | 23.6 |
| | | 3 | 0 | 23.9 | 24.0 | 24.0 | 23.5 | 23.6 | 23.6 | 23.9 | 23.9 | 23.9 | 23.7 | 23.7 | 23.6 |
| | | 3 | 1 | 23.9 | 24.0 | 24.0 | 23.4 | 23.6 | 23.6 | 23.9 | 23.9 | 23.8 | 23.6 | 23.7 | 23.5 |
| | | 3 | 2 | 23.8 | 24.0 | 24.0 | 23.4 | 23.5 | 23.6 | 23.8 | 23.8 | 23.8 | 23.7 | 23.5 | 23.5 |
| | | 6 | 0 | 23.0 | 23.1 | 23.1 | 22.4 | 22.6 | 22.7 | 22.9 | 23.0 | 22.8 | 23.0 | 22.7 | 23.0 |
| | 16QAM | 1 | 0 | 23.3 | 23.2 | 23.2 | 22.4 | **23.0** | 22.8 | 22.9 | 23.3 | 23.0 | 22.9 | 23.0 | 22.8 |
| | | 1 | 2 | **23.5** | 23.3 | 23.0 | 22.4 | **23.0** | **23.0** | 23.0 | 23.2 | 23.2 | **23.0** | 23.0 | 22.6 |
| | | 1 | 5 | 23.4 | 23.2 | 23.2 | 22.5 | **23.0** | 22.9 | 23.0 | **23.3** | 23.1 | 22.9 | **23.0** | 22.8 |
| | | 3 | 0 | 22.9 | 23.2 | 23.2 | 22.6 | 22.6 | 22.7 | 23.0 | 22.9 | 23.1 | 22.9 | 22.7 | 22.6 |
| | | 3 | 1 | 22.9 | 23.1 | 23.1 | 22.5 | 22.6 | 22.6 | 22.9 | 23.0 | 23.0 | 22.8 | 22.7 | 22.5 |
| | | 3 | 2 | 22.8 | 23.0 | 23.2 | 22.6 | 22.6 | 22.6 | 23.0 | 22.9 | 23.0 | 22.8 | 22.6 | 22.6 |
| | | 6 | 0 | 21.9 | 22.2 | 22.2 | 21.6 | 21.6 | 21.8 | 21.9 | 21.9 | 21.9 | 22.2 | 21.8 | 22.1 |
| | 64QAM | 1 | 0 | **22.2** | 22.1 | 21.9 | **21.9** | 21.6 | 21.7 | **22.3** | 22.0 | 22.0 | 22.2 | **22.4** | 22.2 |
| | | 1 | 2 | 22.1 | 22.1 | 22.1 | 21.8 | 21.6 | 21.7 | **22.3** | 21.9 | 22.1 | 22.3 | 22.3 | 22.2 |
| | | 1 | 5 | 22.1 | 22.1 | 22.0 | 21.8 | 21.6 | 21.7 | 22.2 | 21.9 | 22.0 | 22.3 | 22.3 | 22.2 |
| | | 3 | 0 | 22.0 | 22.1 | 22.0 | 21.6 | 21.7 | 21.6 | 22.0 | 22.1 | 21.9 | 22.1 | 22.0 | 22.0 |
| | | 3 | 1 | 21.9 | 22.1 | 22.0 | 21.5 | 21.6 | 21.7 | 21.9 | 22.0 | 21.9 | 22.1 | 22.0 | 21.9 |
| | | 3 | 2 | 21.9 | 22.0 | 22.0 | 21.4 | 21.6 | 21.7 | 21.9 | 22.0 | 21.8 | 22.1 | 21.9 | 21.9 |
| | | 6 | 0 | 20.9 | 21.0 | 21.0 | 20.5 | 20.5 | 20.6 | 20.9 | 21.0 | 20.9 | 20.8 | 20.8 | 20.7 |
| | 256QAM | 1 | 0 | 19.0 | 19.1 | **19.2** | 18.5 | 18.9 | 18.8 | 18.9 | 19.0 | 19.0 | **18.9** | 18.8 | 18.7 |
| | | 1 | 2 | 19.0 | 19.2 | 19.1 | 18.5 | 18.9 | 18.7 | 19.1 | **19.2** | 18.7 | 18.8 | 18.9 | 18.6 |
| | | 1 | 5 | 19.0 | 19.2 | 19.2 | 18.5 | **18.9** | 18.7 | 18.9 | 19.0 | 19.0 | **18.9** | 18.8 | 18.7 |
| | | 3 | 0 | 19.0 | 19.0 | 19.1 | 18.6 | 18.6 | 18.8 | 19.0 | 18.9 | 19.0 | 18.9 | 18.8 | 18.8 |
| | | 3 | 1 | 19.0 | 19.0 | 19.1 | 18.6 | 18.5 | 18.7 | 18.9 | 18.9 | 19.0 | 18.8 | 18.8 | 18.8 |
| | | 3 | 2 | 18.9 | 19.0 | 19.0 | 18.5 | 18.5 | 18.7 | 18.8 | 18.9 | 18.9 | 18.8 | 18.7 | 18.8 |
| | | 6 | 0 | 18.9 | 19.1 | 18.9 | 18.4 | 18.6 | 18.6 | 18.9 | 19.0 | 18.8 | 18.7 | 18.9 | 18.6 |

## OUTPUT POWER FOR LTE BAND 66 (3.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 131987 | 132322 | 132657 | 131987 | 132322 | 132657 | 131987 | 132322 | 132657 | 131987 | 132322 | 132657 |
| | | | | 1711.5 | 1745.0 | 1778.5 | 1711.5 | 1745.0 | 1778.5 | 1711.5 | 1745.0 | 1778.5 | 1711.5 | 1745.0 | 1778.5 |
| 3.0 | QPSK | 1 | 0 | 24.1 | 24.1 | 24.2 | 23.6 | 23.6 | 23.8 | 24.0 | 24.0 | 23.9 | 23.8 | 23.8 | 23.6 |
| | | 1 | 7 | 23.8 | 24.1 | **24.2** | 23.3 | 23.6 | **23.8** | 23.9 | 23.8 | 23.9 | 23.6 | **23.8** | 23.3 |
| | | 1 | 14 | 24.1 | 24.1 | **24.2** | 23.6 | 23.6 | 23.8 | 24.0 | **24.1** | 23.8 | 23.8 | 23.7 | 23.7 |
| | | 8 | 0 | 23.1 | 23.2 | 23.1 | 22.5 | 22.6 | 22.7 | 22.9 | 23.0 | 22.9 | 22.7 | 22.6 | 22.9 |
| | | 8 | 4 | 23.0 | 23.1 | 23.1 | 22.5 | 22.6 | 22.7 | 22.9 | 23.0 | 22.9 | 22.6 | 22.6 | 22.9 |
| | | 8 | 7 | 23.0 | 23.1 | 23.2 | 22.5 | 22.6 | 22.7 | 22.9 | 23.0 | 22.9 | 22.6 | 22.7 | 22.9 |
| | | 15 | 0 | 23.0 | 23.1 | 23.1 | 22.5 | 22.6 | 22.7 | 22.8 | 22.9 | 22.9 | 22.7 | 22.7 | 22.9 |
| | 16QAM | 1 | 0 | 23.1 | 23.5 | 23.5 | 22.8 | 23.0 | **23.0** | 23.2 | 23.0 | 23.3 | 22.8 | **22.9** | 22.8 |
| | | 1 | 7 | 23.1 | 23.6 | 23.5 | 22.7 | 23.0 | **23.0** | 23.3 | 23.1 | **23.3** | 22.9 | 22.9 | 22.8 |
| | | 1 | 14 | 23.0 | **23.6** | 23.4 | 22.6 | **23.0** | 23.0 | 23.2 | 23.0 | 23.3 | 22.7 | 22.9 | 22.7 |
| | | 8 | 0 | 22.1 | 22.3 | 22.2 | 21.6 | 21.7 | 21.7 | 21.9 | 22.0 | 21.9 | 21.8 | 21.8 | 21.9 |
| | | 8 | 4 | 22.1 | 22.3 | 22.2 | 21.6 | 21.7 | 21.7 | 21.8 | 22.0 | 21.9 | 21.8 | 21.7 | 22.0 |
| | | 8 | 7 | 22.1 | 22.3 | 22.2 | 21.6 | 21.7 | 21.7 | 21.8 | 22.0 | 21.9 | 21.8 | 21.7 | 22.0 |
| | | 15 | 0 | 22.0 | 22.1 | 22.1 | 21.6 | 21.7 | 21.7 | 21.8 | 21.8 | 21.9 | 21.7 | 21.8 | 21.9 |
| | 64QAM | 1 | 0 | 22.2 | 22.2 | 22.1 | 21.5 | 21.8 | 21.8 | 22.2 | 22.0 | 22.0 | 22.4 | 22.1 | 22.1 |
| | | 1 | 7 | 22.1 | 22.2 | 22.0 | 21.3 | 21.7 | 21.7 | 22.2 | 22.0 | 22.0 | **22.5** | 22.0 | 22.1 |
| | | 1 | 14 | 22.1 | **22.3** | 22.2 | 21.4 | **21.9** | 21.9 | **22.2** | 22.1 | 21.9 | 22.5 | 22.1 | 22.2 |
| | | 8 | 0 | 21.1 | 21.1 | 21.0 | 20.6 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.8 | 20.9 | 20.8 |
| | | 8 | 4 | 21.0 | 21.1 | 21.0 | 20.5 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.8 | 20.8 | 20.8 |
| | | 8 | 7 | 21.1 | 21.1 | 21.0 | 20.6 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.8 | 20.9 | 20.8 |
| | | 15 | 0 | 21.0 | 21.0 | 21.0 | 20.5 | 20.5 | 20.6 | 20.8 | 20.9 | 20.8 | 20.8 | 20.9 | 20.7 |
| | 256QAM | 1 | 0 | 19.2 | 19.4 | 19.3 | 18.6 | **19.0** | 18.8 | **19.3** | 19.1 | 19.0 | 18.8 | 18.8 | 18.9 |
| | | 1 | 7 | 19.0 | 19.2 | 19.3 | 18.4 | 18.9 | 18.7 | 19.2 | 19.1 | 19.0 | 18.8 | 18.8 | 18.8 |
| | | 1 | 14 | 19.2 | **19.4** | 19.3 | 18.5 | 19.0 | 18.8 | 19.3 | 19.1 | 19.0 | 18.9 | 18.8 | 18.9 |
| | | 8 | 0 | 19.1 | 19.2 | 19.1 | 18.6 | 18.7 | 18.7 | 19.0 | 19.0 | 19.0 | 18.9 | **18.9** | 18.8 |
| | | 8 | 4 | 19.0 | 19.2 | 19.1 | 18.6 | 18.6 | 18.7 | 19.0 | 19.0 | 18.9 | 18.8 | 18.9 | 18.8 |
| | | 8 | 7 | 19.0 | 19.2 | 19.1 | 18.6 | 18.6 | 18.7 | 19.0 | 19.0 | 18.9 | 18.8 | 18.9 | 18.8 |
| | | 15 | 0 | 19.1 | 19.1 | 19.2 | 18.7 | 18.6 | 18.7 | 18.9 | 19.0 | 18.9 | 18.8 | 18.9 | 18.8 |



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## OUTPUT POWER FOR LTE BAND 66 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 131997 | 132322 | 132647 | 131997 | 132322 | 132647 | 131997 | 132322 | 132647 | 131997 | 132322 | 132647 |
| | | | | 1712.5 | 1745.0 | 1777.5 | 1712.5 | 1745.0 | 1777.5 | 1712.5 | 1745.0 | 1777.5 | 1712.5 | 1745.0 | 1777.5 |
| 5.0 | QPSK | 1 | 0 | 24.0 | 24.1 | 24.1 | 23.4 | 23.5 | 23.6 | 23.8 | 23.9 | 23.9 | 23.7 | 23.7 | 23.5 |
| | | 1 | 12 | 23.9 | **24.2** | **24.2** | 23.4 | 23.5 | 23.5 | 23.8 | **24.0** | **24.0** | 23.7 | **23.8** | 23.6 |
| | | 1 | 24 | 24.0 | 24.1 | 24.2 | 23.5 | 23.5 | **23.6** | 23.9 | 23.9 | 23.9 | 23.7 | 23.7 | 23.5 |
| | | 12 | 0 | 23.0 | 23.1 | 23.1 | 22.4 | 22.5 | 22.6 | 22.8 | 22.9 | 22.9 | 22.7 | 22.7 | 23.0 |
| | | 12 | 6 | 23.0 | 23.1 | 23.1 | 22.4 | 22.5 | 22.6 | 22.8 | 22.9 | 22.9 | 23.0 | 22.7 | 22.9 |
| | | 12 | 11 | 23.0 | 23.1 | 23.1 | 22.4 | 22.5 | 22.6 | 22.8 | 22.9 | 22.9 | 22.9 | 22.7 | 23.0 |
| | | 25 | 0 | 23.0 | 23.2 | 23.1 | 22.4 | 22.6 | 22.6 | 22.8 | 22.9 | 22.9 | 22.7 | 22.7 | 23.0 |
| | 16QAM | 1 | 0 | 23.4 | 23.5 | 23.4 | 22.8 | 22.9 | **23.0** | 23.3 | 23.3 | 23.3 | 23.0 | 23.0 | 22.9 |
| | | 1 | 12 | 23.3 | 23.5 | 23.4 | 22.6 | 22.8 | 22.7 | 23.2 | **23.4** | 23.2 | 22.9 | **23.1** | 22.9 |
| | | 1 | 24 | 23.4 | **23.6** | 23.4 | 22.8 | 22.9 | 23.0 | 23.3 | 23.3 | 23.2 | 22.9 | 23.0 | 22.9 |
| | | 12 | 0 | 22.1 | 22.1 | 22.2 | 21.5 | 21.6 | 21.7 | 21.9 | 21.9 | 21.9 | 21.8 | 21.8 | 22.0 |
| | | 12 | 6 | 22.1 | 22.1 | 22.2 | 21.5 | 21.6 | 21.7 | 21.9 | 21.9 | 21.9 | 22.4 | 21.8 | 21.9 |
| | | 12 | 11 | 22.1 | 22.1 | 22.2 | 21.5 | 21.6 | 21.7 | 21.9 | 21.9 | 21.9 | 22.4 | 21.8 | 21.9 |
| | | 25 | 0 | 22.0 | 22.1 | 22.1 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 21.9 | 22.3 | 21.8 | 21.8 |
| | 64QAM | 1 | 0 | 21.9 | **22.2** | 22.1 | 21.7 | 21.6 | **22.0** | 21.9 | **22.3** | 22.2 | 22.3 | 22.2 | 22.1 |
| | | 1 | 12 | 21.7 | 22.1 | 22.2 | 21.6 | 21.4 | 21.9 | 21.9 | 22.2 | 22.1 | **22.5** | 22.1 | 22.1 |
| | | 1 | 24 | 21.9 | 22.1 | 22.2 | 21.6 | 21.6 | 22.0 | 22.0 | 22.2 | 22.2 | **22.5** | 22.2 | 22.2 |
| | | 12 | 0 | 20.9 | 20.9 | 21.0 | 20.4 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.8 | 20.9 | 20.8 |
| | | 12 | 6 | 20.9 | 20.9 | 20.9 | 20.4 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.8 | 20.8 | 20.8 |
| | | 12 | 11 | 20.9 | 20.9 | 20.9 | 20.4 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.8 | 20.8 | 20.7 |
| | | 25 | 0 | 20.9 | 20.9 | 21.0 | 20.5 | 20.5 | 20.6 | 20.8 | 20.9 | 20.9 | 20.8 | 20.8 | 20.8 |
| | 256QAM | 1 | 0 | 19.1 | **19.3** | 19.2 | 18.7 | 18.9 | 18.8 | 19.0 | 19.1 | 19.0 | **19.0** | 18.9 | 18.8 |
| | | 1 | 12 | 18.9 | 19.2 | 19.1 | 18.6 | 18.6 | 18.7 | 18.8 | **19.1** | 19.0 | 18.9 | 18.9 | 18.7 |
| | | 1 | 24 | 19.0 | 19.2 | 19.2 | 18.7 | 18.8 | **18.9** | 19.0 | 19.1 | 19.0 | 18.9 | 18.9 | 18.8 |
| | | 12 | 0 | 19.0 | 19.1 | 19.0 | 18.6 | 18.6 | 18.7 | 18.8 | 19.0 | 18.9 | 18.8 | 18.8 | 18.7 |
| | | 12 | 6 | 19.0 | 19.1 | 19.0 | 18.6 | 18.6 | 18.8 | 18.9 | 19.0 | 18.9 | 18.8 | 18.8 | 18.7 |
| | | 12 | 11 | 19.0 | 19.0 | 19.0 | 18.6 | 18.6 | 18.7 | 18.8 | 18.9 | 18.9 | 18.8 | 18.8 | 18.7 |
| | | 25 | 0 | 19.0 | 19.0 | 19.1 | 18.6 | 18.6 | 18.6 | 18.9 | 18.9 | 18.9 | 18.8 | 18.8 | 18.7 |

## OUTPUT POWER FOR LTE BAND 66 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 132022 | 132322 | 132622 | 132022 | 132322 | 132622 | 132022 | 132322 | 132622 | 132022 | 132322 | 132622 |
| | | | | 1715.0 | 1745.0 | 1775.0 | 1715.0 | 1745.0 | 1775.0 | 1715.0 | 1745.0 | 1775.0 | 1715.0 | 1745.0 | 1775.0 |
| 10.0 | QPSK | 1 | 0 | 24.1 | 24.2 | **24.2** | 23.5 | 23.6 | **23.7** | 23.9 | 24.0 | **24.0** | 23.7 | **23.8** | 23.7 |
| | | 1 | 24 | 24.0 | 24.1 | **24.2** | 23.4 | 23.5 | 23.7 | 23.7 | 24.0 | 24.0 | 23.7 | 23.6 | 23.7 |
| | | 1 | 49 | 24.1 | 24.2 | 24.1 | 23.5 | 23.6 | 23.7 | 23.9 | 23.9 | 23.9 | 23.7 | 23.7 | 23.6 |
| | | 25 | 0 | 23.1 | 23.1 | 23.2 | 22.5 | 22.6 | 22.7 | 22.9 | 22.9 | 22.9 | 23.4 | 22.7 | 23.0 |
| | | 25 | 12 | 23.1 | 23.2 | 23.2 | 22.5 | 22.5 | 22.7 | 22.9 | 22.9 | 22.9 | 23.4 | 22.7 | 23.0 |
| | | 25 | 24 | 23.0 | 23.1 | 23.1 | 22.5 | 22.5 | 22.7 | 22.8 | 22.9 | 22.9 | 23.4 | 22.7 | 23.0 |
| | | 50 | 0 | 23.1 | 23.1 | 23.1 | 22.5 | 22.5 | 22.7 | 22.8 | 22.9 | 22.9 | 23.4 | 22.7 | 23.0 |
| | 16QAM | 1 | 0 | 23.6 | 23.3 | 23.5 | 22.9 | 22.8 | 22.9 | 23.3 | 23.1 | 23.5 | **23.2** | 22.9 | 22.9 |
| | | 1 | 24 | 23.5 | 23.4 | **23.7** | 22.9 | 22.9 | **23.0** | 23.3 | 23.2 | **23.5** | 23.0 | 23.0 | 22.9 |
| | | 1 | 49 | 23.5 | 23.2 | 23.5 | 22.8 | 22.7 | 22.9 | 23.3 | 23.0 | 23.4 | 23.1 | 22.8 | 22.8 |
| | | 25 | 0 | 22.0 | 22.1 | 22.1 | 21.5 | 21.5 | 21.6 | 21.9 | 21.9 | 21.9 | 22.4 | 21.8 | 22.0 |
| | | 25 | 12 | 22.0 | 22.1 | 22.2 | 21.4 | 21.5 | 21.6 | 21.9 | 21.9 | 21.9 | 22.4 | 21.8 | 22.0 |
| | | 25 | 24 | 22.0 | 22.1 | 22.1 | 21.4 | 21.5 | 21.7 | 21.9 | 21.9 | 21.9 | 22.5 | 21.8 | 22.0 |
| | | 50 | 0 | 22.0 | 22.1 | 22.2 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 21.9 | 22.4 | 21.8 | 22.0 |
| | 64QAM | 1 | 0 | 21.9 | 22.2 | 22.2 | 21.6 | 21.6 | 21.8 | 21.9 | 22.1 | 22.1 | **22.5** | 22.2 | 22.3 |
| | | 1 | 24 | 22.0 | **22.2** | 22.2 | 21.5 | 21.7 | **21.8** | 21.9 | **22.1** | 22.0 | **22.5** | 22.1 | 22.2 |
| | | 1 | 49 | 21.9 | 22.2 | 22.2 | 21.4 | 21.7 | 21.8 | 22.0 | 22.0 | 22.0 | **22.5** | 22.0 | 22.2 |
| | | 25 | 0 | 21.0 | 21.0 | 21.1 | 20.6 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 |
| | | 25 | 12 | 20.9 | 21.0 | 21.1 | 20.5 | 20.5 | 20.7 | 20.9 | 20.9 | 20.9 | 20.8 | 20.9 | 20.8 |
| | | 25 | 24 | 20.9 | 21.0 | 21.1 | 20.5 | 20.5 | 20.7 | 20.8 | 20.9 | 20.9 | 20.8 | 20.9 | 20.8 |
| | | 50 | 0 | 20.9 | 21.0 | 21.1 | 20.5 | 20.5 | 20.7 | 20.9 | 20.9 | 20.9 | 20.8 | 20.9 | 20.8 |
| | 256QAM | 1 | 0 | 19.4 | **19.5** | 19.1 | 18.6 | 18.9 | 18.9 | 18.9 | 19.1 | 19.2 | **19.1** | 18.7 | 18.7 |
| | | 1 | 24 | 19.4 | **19.5** | 19.0 | 18.5 | 18.9 | 18.9 | 18.9 | 19.1 | **19.4** | **19.1** | 18.6 | 18.6 |
| | | 1 | 49 | 19.3 | 19.5 | 19.0 | 18.4 | **18.9** | 18.9 | 18.9 | 19.1 | 19.3 | 19.0 | 18.7 | 18.7 |
| | | 25 | 0 | 19.1 | 19.2 | 19.1 | 18.7 | 18.7 | 18.7 | 19.0 | 19.0 | 19.0 | 18.9 | 18.9 | 18.8 |
| | | 25 | 12 | 19.1 | 19.1 | 19.1 | 18.7 | 18.7 | 18.7 | 18.9 | 19.0 | 19.0 | 18.9 | 18.9 | 18.8 |
| | | 25 | 24 | 19.1 | 19.1 | 19.1 | 18.6 | 18.7 | 18.7 | 18.9 | 19.0 | 19.0 | 18.8 | 18.9 | 18.8 |
| | | 50 | 0 | 19.1 | 19.1 | 19.1 | 18.6 | 18.6 | 18.7 | 18.9 | 18.9 | 19.0 | 18.8 | 18.8 | 18.7 |



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## OUTPUT POWER FOR LTE BAND 66 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 132047 | 132322 | 132597 | 132047 | 132322 | 132597 | 132047 | 132322 | 132597 | 132047 | 132322 | 132597 |
| | | | | 1717.5 | 1745.0 | 1772.5 | 1717.5 | 1745.0 | 1772.5 | 1717.5 | 1745.0 | 1772.5 | 1717.5 | 1745.0 | 1772.5 |
| 15.0 | QPSK | 1 | 0 | 24.1 | 24.2 | **24.3** | 23.5 | 23.6 | **23.7** | 23.9 | 24.0 | 24.0 | 23.7 | **23.8** | 23.7 |
| | | 1 | 37 | 24.0 | 24.2 | 24.3 | 23.4 | 23.4 | 23.5 | 24.0 | 23.9 | **24.0** | 23.8 | 23.7 | 23.6 |
| | | 1 | 74 | 24.1 | 24.2 | 24.2 | 23.5 | 23.6 | 23.7 | 23.9 | 23.9 | 23.9 | 23.7 | 23.7 | 23.6 |
| | | 36 | 0 | 23.1 | 23.2 | 23.2 | 22.5 | 22.6 | 22.7 | 23.0 | 23.0 | 23.0 | 22.6 | 22.6 | 23.0 |
| | | 36 | 16 | 23.1 | 23.2 | 23.2 | 22.5 | 22.5 | 22.6 | 22.9 | 23.0 | 23.0 | 22.6 | 22.6 | 22.9 |
| | | 36 | 35 | 23.1 | 23.1 | 23.2 | 22.5 | 22.5 | 22.7 | 22.9 | 22.9 | 22.9 | 22.5 | 22.5 | 22.8 |
| | | 75 | 0 | 23.1 | 23.2 | 23.2 | 22.5 | 22.5 | 22.7 | 22.9 | 22.9 | 22.9 | 22.6 | 22.5 | 22.8 |
| | 16QAM | 1 | 0 | 23.4 | 23.5 | 23.7 | 22.9 | 22.8 | **23.0** | 23.2 | 23.3 | 23.3 | 23.0 | 23.0 | **23.1** |
| | | 1 | 37 | 23.4 | 23.5 | **23.7** | 22.8 | 22.6 | 22.9 | 23.2 | 23.3 | **23.3** | 23.0 | 22.9 | 23.0 |
| | | 1 | 74 | 23.3 | 23.4 | 23.6 | 22.8 | 22.7 | **23.0** | 23.2 | 23.2 | 23.2 | 22.9 | 22.9 | 23.0 |
| | | 36 | 0 | 22.1 | 22.2 | 22.2 | 21.5 | 21.5 | 21.7 | 21.9 | 22.0 | 21.9 | 21.8 | 21.8 | 21.8 |
| | | 36 | 16 | 22.1 | 22.2 | 22.2 | 21.5 | 21.5 | 21.7 | 21.9 | 21.9 | 21.9 | 21.7 | 21.7 | 21.8 |
| | | 36 | 35 | 22.1 | 22.1 | 22.1 | 21.5 | 21.5 | 21.7 | 21.9 | 21.9 | 21.9 | 21.7 | 21.7 | 21.8 |
| | | 75 | 0 | 22.1 | 22.1 | 22.2 | 21.5 | 21.5 | 21.6 | 21.9 | 21.9 | 21.9 | 21.7 | 21.7 | 21.9 |
| | 64QAM | 1 | 0 | **22.3** | 22.2 | 22.2 | **21.8** | 21.7 | 21.7 | **22.3** | 22.1 | 22.1 | 21.9 | **22.1** | 22.1 |
| | | 1 | 37 | 22.0 | 22.1 | 22.1 | 21.6 | 21.5 | 21.5 | 22.0 | 22.1 | 22.1 | 21.7 | 21.9 | 22.0 |
| | | 1 | 74 | 22.3 | 22.1 | 22.1 | 21.7 | 21.6 | 21.7 | **22.3** | 22.1 | 22.0 | 21.8 | 21.9 | 21.9 |
| | | 36 | 0 | 21.0 | 21.1 | 21.1 | 20.5 | 20.6 | 20.7 | 20.9 | 21.0 | 21.0 | 20.9 | 20.9 | 20.8 |
| | | 36 | 16 | 20.9 | 21.1 | 21.1 | 20.4 | 20.6 | 20.7 | 20.9 | 21.0 | 21.0 | 20.9 | 20.9 | 20.8 |
| | | 36 | 35 | 20.9 | 21.1 | 21.1 | 20.4 | 20.6 | 20.7 | 20.9 | 21.0 | 21.0 | 20.9 | 20.9 | 20.8 |
| | | 75 | 0 | 21.0 | 21.0 | 21.0 | 20.5 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.8 | 20.8 | 20.8 |
| | 256QAM | 1 | 0 | 19.2 | **19.5** | 18.9 | 18.7 | 18.9 | 18.7 | 19.1 | 19.0 | 18.8 | 18.7 | 18.8 | **19.1** |
| | | 1 | 37 | 19.1 | 19.4 | 18.8 | 18.5 | 18.8 | 18.6 | **19.2** | 18.9 | 18.8 | 18.6 | 18.6 | 19.0 |
| | | 1 | 74 | 19.1 | 19.5 | 18.9 | 18.5 | **18.9** | 18.7 | 19.1 | 19.0 | 18.8 | 18.7 | 18.7 | 19.1 |
| | | 36 | 0 | 19.0 | 19.1 | 19.1 | 18.5 | 18.6 | 18.6 | 18.9 | 19.0 | 19.0 | 18.9 | 18.9 | 18.8 |
| | | 36 | 16 | 19.0 | 19.1 | 19.1 | 18.5 | 18.6 | 18.6 | 18.9 | 19.0 | 18.9 | 18.9 | 18.9 | 18.8 |
| | | 36 | 35 | 18.9 | 19.1 | 19.1 | 18.4 | 18.5 | 18.6 | 18.9 | 19.0 | 18.9 | 18.9 | 18.9 | 18.7 |
| | | 75 | 0 | 19.0 | 19.1 | 19.1 | 18.5 | 18.5 | 18.6 | 18.9 | 19.0 | 18.9 | 18.9 | 18.8 | 18.8 |

## OUTPUT POWER FOR LTE BAND 66 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 132072 | 132322 | 132572 | 132072 | 132322 | 132572 | 132072 | 132322 | 132572 | 132072 | 132322 | 132572 |
| | | | | 1720.0 | 1745.0 | 1770.0 | 1720.0 | 1745.0 | 1770.0 | 1720.0 | 1745.0 | 1770.0 | 1720.0 | 1745.0 | 1770.0 |
| 20.0 | QPSK | 1 | 0 | 24.1 | 24.2 | 24.2 | 23.5 | 23.6 | **23.7** | 23.9 | 24.0 | 24.1 | 23.8 | **23.9** | 23.8 |
| | | 1 | 49 | **24.3** | 23.6 | 24.1 | 23.5 | 23.3 | 23.6 | **24.2** | 23.4 | 23.9 | 23.4 | 23.7 | 23.9 |
| | | 1 | 99 | 24.1 | 24.2 | 24.1 | 23.5 | 23.6 | 23.6 | 23.9 | 23.9 | 23.9 | 23.7 | 23.7 | 23.7 |
| | | 50 | 0 | 23.1 | 23.2 | 23.2 | 22.5 | 22.6 | 22.6 | 22.9 | 23.0 | 23.0 | 22.9 | 22.9 | 22.9 |
| | | 50 | 24 | 23.1 | 23.1 | 23.2 | 22.5 | 22.6 | 22.6 | 22.9 | 22.9 | 22.9 | 22.8 | 22.8 | 22.9 |
| | | 50 | 49 | 23.1 | 23.1 | 23.1 | 22.4 | 22.6 | 22.6 | 22.9 | 22.9 | 22.9 | 22.8 | 22.8 | 22.8 |
| | | 100 | 0 | 23.1 | 23.2 | 23.2 | 22.5 | 22.6 | 22.7 | 22.9 | 23.0 | 23.0 | 22.8 | 22.8 | 22.9 |
| | 16QAM | 1 | 0 | 23.5 | 23.5 | 23.6 | 22.8 | 22.9 | **23.0** | 23.4 | **23.4** | 23.3 | 23.2 | 23.1 | **23.2** |
| | | 1 | 49 | 23.3 | 23.3 | **23.7** | 22.8 | 22.8 | **23.0** | 23.3 | 23.3 | 23.2 | 23.1 | 23.2 | 23.2 |
| | | 1 | 99 | 23.4 | 23.5 | 23.5 | 22.7 | 22.9 | **23.0** | 23.3 | 23.4 | 23.2 | 23.2 | 23.0 | 23.0 |
| | | 50 | 0 | 22.1 | 22.1 | 22.2 | 21.5 | 21.6 | 21.6 | 21.9 | 22.0 | 21.9 | 22.0 | 21.9 | 21.9 |
| | | 50 | 24 | 22.0 | 22.1 | 22.2 | 21.4 | 21.6 | 21.6 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 |
| | | 50 | 49 | 22.0 | 22.1 | 22.2 | 21.4 | 21.6 | 21.6 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.8 |
| | | 100 | 0 | 22.1 | 22.1 | 22.1 | 21.4 | 21.6 | 21.6 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 |
| | 64QAM | 1 | 0 | 22.2 | **22.3** | 22.3 | 21.8 | 21.8 | 21.9 | 22.3 | 22.2 | 22.1 | 22.2 | **22.4** | 22.3 |
| | | 1 | 49 | 22.3 | **22.3** | 22.2 | 21.7 | 21.8 | 21.7 | **22.3** | **22.3** | 22.1 | 22.3 | 22.1 | 22.2 |
| | | 1 | 99 | 22.1 | 22.3 | 22.2 | 21.7 | 21.8 | **21.9** | 22.2 | 22.2 | 22.0 | 22.2 | 22.2 | 22.2 |
| | | 50 | 0 | 21.0 | 21.1 | 21.0 | 20.5 | 20.5 | 20.6 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 |
| | | 50 | 24 | 21.0 | 21.0 | 21.0 | 20.4 | 20.6 | 20.6 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.8 |
| | | 50 | 49 | 21.0 | 21.0 | 21.0 | 20.4 | 20.6 | 20.6 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.8 |
| | | 100 | 0 | 21.0 | 21.0 | 21.0 | 20.5 | 20.6 | 20.6 | 20.9 | 20.9 | 20.9 | 20.9 | 20.8 | 20.8 |
| | 256QAM | 1 | 0 | 19.2 | **19.5** | 19.2 | 18.9 | 18.7 | 18.9 | 19.1 | 19.1 | 19.2 | 19.1 | **19.3** | 19.0 |
| | | 1 | 49 | 19.2 | 19.4 | 19.2 | 18.6 | 18.8 | 18.7 | 19.2 | 19.1 | **19.3** | 19.0 | 19.2 | 19.0 |
| | | 1 | 99 | 19.1 | 19.4 | 19.2 | 18.7 | 18.7 | **19.0** | 19.1 | 19.1 | 19.2 | 19.1 | 19.2 | 19.0 |
| | | 50 | 0 | 19.1 | 19.2 | 19.1 | 18.7 | 18.6 | 18.6 | 19.0 | 19.0 | 19.0 | 18.9 | 18.9 | 18.8 |
| | | 50 | 24 | 19.1 | 19.2 | 19.1 | 18.6 | 18.6 | 18.6 | 19.0 | 19.0 | 18.9 | 18.8 | 18.9 | 18.8 |
| | | 50 | 49 | 19.0 | 19.1 | 19.0 | 18.5 | 18.7 | 18.6 | 18.9 | 18.9 | 18.9 | 18.9 | 18.8 | 18.7 |
| | | 100 | 0 | 19.1 | 19.1 | 19.1 | 18.6 | 18.6 | 18.6 | 19.0 | 18.9 | 18.9 | 18.9 | 18.9 | 18.8 |



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## 5G NR n66

| Test Engineer ID: | 19210AL and 27966PV | Test Date: | 2024-02-16 to 2024-03-06 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n66 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 342500 | 349000 | 355500 | 342500 | 349000 | 355500 | 342500 | 349000 | 355500 | 342500 | 349000 | 355500 |
| | | | | 1712.5 | 1745.0 | 1777.5 | 1712.5 | 1745.0 | 1777.5 | 1712.5 | 1745.0 | 1777.5 | 1712.5 | 1745.0 | 1777.5 |
| 5.0 | BPSK | 1 | 0 | 23.8 | 24.0 | 23.9 | 23.2 | 23.5 | 23.3 | 23.2 | 23.4 | 23.3 | 23.5 | 23.6 | 23.4 |
| | | 1 | 1 | 24.3 | 24.4 | 24.3 | 23.4 | **23.8** | 23.7 | 23.7 | 23.9 | 23.8 | 23.9 | 24.0 | 23.9 |
| | | 1 | 23 | 24.4 | **24.5** | 24.3 | 23.5 | 23.8 | 23.6 | 23.7 | **24.0** | 23.8 | 23.9 | **24.1** | 23.8 |
| | | 1 | 24 | 23.9 | 23.9 | 23.8 | 23.2 | 23.5 | 23.3 | 23.2 | 23.5 | 23.4 | 23.4 | 23.6 | 23.4 |
| | | 12 | 6 | 24.4 | 24.4 | 24.3 | 23.4 | **23.8** | 23.6 | 23.7 | 23.9 | 23.9 | 24.0 | 24.0 | 23.8 |
| | | 25 | 0 | 23.8 | 23.9 | 23.8 | 23.1 | 23.6 | 23.3 | 23.2 | 23.4 | 23.3 | 23.5 | 23.5 | 23.4 |
| | QPSK | 1 | 0 | 23.3 | 23.5 | 23.2 | 22.6 | 23.0 | 22.8 | 22.7 | 22.9 | 22.8 | 23.0 | 23.1 | 22.9 |
| | | 1 | 1 | 24.3 | **24.5** | 24.3 | 23.5 | 23.8 | 23.7 | 23.7 | 23.9 | 23.8 | 23.9 | **24.1** | 23.9 |
| | | 1 | 23 | 24.4 | 24.4 | 24.3 | 23.5 | **23.8** | 23.6 | 23.7 | **24.0** | 23.8 | 23.9 | 24.1 | 23.8 |
| | | 1 | 24 | 23.3 | 23.4 | 23.2 | 22.7 | 23.1 | 22.9 | 22.7 | 22.9 | 22.8 | 22.9 | 23.0 | 22.9 |
| | | 12 | 6 | 24.3 | 24.3 | 24.3 | 23.4 | 23.7 | 23.7 | 23.8 | 23.9 | 23.8 | 23.9 | 24.0 | 23.8 |
| | | 25 | 0 | 23.3 | 23.3 | 23.2 | 22.6 | 23.0 | 22.8 | 22.7 | 22.9 | 22.8 | 22.9 | 23.0 | 22.8 |
| | 16QAM | 1 | 0 | 22.2 | 22.1 | 22.2 | 22.0 | 22.1 | 22.0 | 21.7 | 22.2 | 22.0 | 22.1 | 21.9 | 21.7 |
| | | 1 | 1 | 23.3 | **23.5** | 23.3 | 22.4 | 22.9 | 22.8 | 22.9 | 22.8 | 22.6 | 22.9 | 23.0 | 22.6 |
| | | 1 | 23 | 23.5 | 23.5 | 23.2 | 22.6 | 22.9 | 22.8 | 22.9 | 22.6 | 22.7 | 22.9 | **23.1** | 22.9 |
| | | 1 | 24 | 22.1 | 22.4 | 22.0 | 22.1 | 21.9 | 21.6 | 22.1 | 22.1 | 21.9 | 21.8 | 22.2 | 21.9 |
| | | 12 | 6 | 23.3 | 23.4 | 23.3 | 22.7 | **23.0** | 22.9 | 22.7 | **23.0** | 22.8 | 23.0 | 23.0 | 22.9 |
| | | 25 | 0 | 22.2 | 22.4 | 22.2 | 21.5 | 22.0 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 22.0 | 21.8 |
| | 64QAM | 1 | 0 | 21.6 | 22.1 | 21.3 | 21.2 | 21.6 | 21.4 | 20.9 | 21.5 | 21.5 | 21.3 | 21.7 | 21.5 |
| | | 1 | 1 | **22.1** | 21.6 | 22.0 | 21.1 | **21.6** | 21.5 | 21.2 | 21.1 | 21.4 | 21.4 | 21.4 | 21.5 |
| | | 1 | 23 | 21.9 | 21.7 | 21.6 | 21.3 | 21.3 | 21.5 | 21.3 | 21.4 | 21.3 | 21.4 | 21.2 | 21.4 |
| | | 1 | 24 | 21.8 | 21.7 | 21.9 | 21.2 | 21.4 | 21.3 | 20.5 | **21.5** | 21.4 | 21.5 | 21.4 | **21.8** |
| | | 12 | 6 | 21.7 | 21.8 | 21.7 | 21.1 | 21.5 | 21.3 | 21.3 | 21.4 | 21.3 | 21.4 | 21.5 | 21.3 |
| | | 25 | 0 | 21.8 | 21.9 | 21.7 | 21.2 | 21.5 | 21.4 | 21.2 | 21.3 | 21.3 | 21.5 | 21.4 | 21.3 |
| | 256QAM | 1 | 0 | 20.0 | 20.0 | 19.9 | 19.2 | **19.7** | 19.6 | 19.2 | 19.4 | 19.4 | 19.6 | 19.3 | 19.2 |
| | | 1 | 1 | 20.0 | 19.9 | 20.0 | 19.0 | 19.3 | 19.4 | 19.4 | **19.6** | 19.4 | 19.6 | 19.3 | 19.5 |
| | | 1 | 23 | 19.8 | 19.8 | **20.1** | 19.0 | 19.4 | 19.3 | 19.2 | 19.5 | 19.5 | 19.6 | 19.2 | 19.6 |
| | | 1 | 24 | 20.0 | 19.7 | 19.7 | 19.2 | 19.2 | 19.6 | 19.3 | 19.5 | 19.5 | **19.7** | 19.3 | 19.5 |
| | | 12 | 6 | 19.9 | 19.9 | 19.7 | 19.2 | 19.5 | 19.3 | 19.3 | 19.3 | 19.3 | 19.6 | 19.4 | 19.3 |
| | | 25 | 0 | 19.9 | 19.9 | 19.7 | 19.2 | 19.4 | 19.3 | 19.3 | 19.3 | 19.3 | 19.6 | 19.4 | 19.3 |

## OUTPUT POWER FOR 5G NR n66 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 343000 | 349000 | 355000 | 343000 | 349000 | 355000 | 343000 | 349000 | 355000 | 343000 | 349000 | 355000 |
| | | | | 1715.0 | 1745.0 | 1775.0 | 1715.0 | 1745.0 | 1775.0 | 1715.0 | 1745.0 | 1775.0 | 1715.0 | 1745.0 | 1775.0 |
| 10.0 | BPSK | 1 | 0 | 24.0 | 24.0 | 23.9 | 23.1 | 23.4 | 23.4 | 23.4 | 23.5 | 23.5 | 23.5 | 23.5 | 23.3 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | 23.4 | 23.8 | 23.7 | 23.8 | 24.0 | 23.9 | 23.9 | **23.9** | 23.9 |
| | | 1 | 50 | **24.4** | 24.4 | 24.3 | 23.5 | **23.8** | 23.6 | 23.8 | **24.0** | 23.8 | 23.9 | 23.9 | 23.8 |
| | | 1 | 51 | 24.0 | 23.8 | 23.8 | 23.2 | 23.4 | 23.2 | 23.4 | 23.5 | 23.4 | 23.4 | 23.5 | 23.2 |
| | | 25 | 12 | 24.3 | 24.3 | 24.3 | 23.5 | 23.7 | 23.6 | 23.8 | 23.9 | 23.8 | 23.8 | 23.8 | 23.8 |
| | | 50 | 0 | 23.9 | 23.9 | 23.7 | 23.1 | 23.5 | 23.3 | 23.2 | 23.4 | 23.2 | 23.3 | 23.4 | 23.2 |
| | QPSK | 1 | 0 | 23.3 | 23.5 | 23.4 | 22.7 | 23.0 | 22.9 | 22.7 | 23.0 | 22.8 | 22.8 | 22.9 | 22.8 |
| | | 1 | 1 | 24.3 | 24.4 | 24.3 | 23.4 | **23.8** | 23.7 | 23.8 | **24.0** | 23.9 | 23.9 | **24.0** | 23.8 |
| | | 1 | 50 | **24.4** | 24.4 | 24.2 | 23.5 | 23.8 | 23.6 | 23.9 | **24.0** | 23.8 | 23.9 | 23.9 | 23.7 |
| | | 1 | 51 | 23.5 | 23.3 | 23.3 | 22.8 | 23.0 | 22.8 | 22.9 | 22.9 | 22.8 | 22.9 | 22.9 | 22.7 |
| | | 25 | 12 | 24.4 | 24.3 | 24.3 | 23.4 | 23.7 | 23.6 | 23.8 | 23.9 | 23.8 | 23.8 | 23.8 | 23.7 |
| | | 50 | 0 | 23.4 | 23.3 | 23.2 | 22.6 | 23.0 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.9 | 22.7 |
| | 16QAM | 1 | 0 | 22.4 | 22.4 | 22.4 | 21.3 | 22.3 | 21.8 | 21.6 | 21.7 | 21.8 | 21.9 | 22.3 | 21.8 |
| | | 1 | 1 | 23.3 | 23.3 | 23.6 | 22.7 | **23.0** | 22.8 | **22.9** | 22.5 | 22.9 | 22.7 | 22.6 | 22.9 |
| | | 1 | 50 | 23.8 | 23.2 | **23.8** | 22.7 | 23.0 | 22.5 | 22.8 | 22.6 | 22.8 | 22.9 | **23.0** | 22.7 |
| | | 1 | 51 | 22.6 | 22.2 | 22.6 | 22.0 | 22.0 | 21.8 | 21.9 | 22.3 | 21.6 | 22.1 | 21.6 | 21.6 |
| | | 25 | 12 | 23.4 | 23.3 | 23.4 | 22.7 | 23.0 | 22.9 | 22.8 | 22.8 | 22.8 | 22.8 | 22.7 | 22.8 |
| | | 50 | 0 | 22.4 | 22.2 | 22.2 | 21.6 | 21.9 | 21.8 | 21.8 | 21.8 | 21.7 | 21.9 | 21.7 | 21.7 |
| | 64QAM | 1 | 0 | 22.0 | 21.7 | 21.5 | 21.2 | 21.6 | 21.5 | 21.1 | 21.2 | 21.5 | 21.1 | 21.7 | 21.5 |
| | | 1 | 1 | 21.7 | **22.4** | 22.0 | 21.2 | 21.3 | 21.1 | 21.1 | **21.6** | 21.4 | 21.3 | **21.8** | 21.6 |
| | | 1 | 50 | 22.1 | 21.9 | 21.6 | 21.2 | **21.7** | 21.4 | 21.5 | **21.6** | 21.1 | 21.5 | 21.8 | 21.1 |
| | | 1 | 51 | 21.6 | 21.7 | 21.6 | 21.1 | 21.3 | 21.1 | 21.3 | 21.4 | 21.2 | 21.7 | 21.0 | 21.3 |
| | | 25 | 12 | 21.9 | 21.7 | 21.7 | 21.2 | 21.4 | 21.4 | 21.2 | 21.3 | 21.2 | 21.2 | 21.3 | 21.2 |
| | | 50 | 0 | 21.9 | 21.8 | 21.7 | 21.1 | 21.5 | 21.3 | 21.3 | 21.4 | 21.3 | 21.3 | 21.2 | 21.2 |
| | 256QAM | 1 | 0 | 19.7 | 20.0 | 19.5 | 19.0 | 19.5 | 19.3 | 19.1 | 19.4 | 19.5 | 19.6 | 19.5 | 19.1 |
| | | 1 | 1 | 20.0 | 19.8 | 19.5 | 19.6 | **19.7** | 19.4 | 19.4 | 19.5 | 19.4 | 19.5 | 19.4 | **19.6** |
| | | 1 | 50 | 19.8 | **20.0** | 19.9 | 19.6 | 19.7 | 19.5 | 19.2 | 19.5 | 18.9 | 19.2 | 19.5 | 19.0 |
| | | 1 | 51 | 19.5 | 19.9 | 19.7 | 19.1 | 19.4 | 19.4 | 19.0 | **19.6** | 19.5 | 19.2 | 19.5 | 19.1 |
| | | 25 | 12 | 19.9 | 19.9 | 19.7 | 19.1 | 19.5 | 19.3 | 19.2 | 19.4 | 19.2 | 19.4 | 19.2 | 19.2 |
| | | 50 | 0 | 19.8 | 19.9 | 19.7 | 19.1 | 19.4 | 19.2 | 19.2 | 19.3 | 19.3 | 19.4 | 19.3 | 19.2 |



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## OUTPUT POWER FOR 5G NR n66 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 343500 | 349000 | 354500 | 343500 | 349000 | 354500 | 343500 | 349000 | 354500 | 343500 | 349000 | 354500 |
| | | | | 1717.5 | 1745.0 | 1772.5 | 1717.5 | 1745.0 | 1772.5 | 1717.5 | 1745.0 | 1772.5 | 1717.5 | 1745.0 | 1772.5 |
| 15.0 | BPSK | 1 | 0 | 23.8 | 24.0 | 23.9 | 23.1 | 23.3 | 23.4 | 23.2 | 23.4 | 23.3 | 23.4 | 23.5 | 23.3 |
| | | 1 | 1 | 24.3 | 24.4 | 24.3 | 23.4 | 23.6 | 23.7 | 23.7 | 23.9 | 23.8 | 24.0 | 24.0 | 23.9 |
| | | 1 | 77 | **24.4** | 24.4 | 24.2 | 23.4 | **23.8** | 23.6 | 23.7 | **24.0** | 23.8 | 23.8 | 23.9 | 23.8 |
| | | 1 | 78 | 23.8 | 24.0 | 23.7 | 23.2 | 23.4 | 23.2 | 23.3 | 23.5 | 23.3 | 23.3 | 23.6 | 23.3 |
| | | 36 | 18 | 24.3 | 24.3 | 24.3 | 23.5 | 23.8 | 23.6 | 23.7 | 23.9 | 23.9 | 23.9 | **24.0** | 23.9 |
| | | 75 | 0 | 23.8 | 23.9 | 23.8 | 23.1 | 23.5 | 23.4 | 23.3 | 23.4 | 23.4 | 23.5 | 23.5 | 23.5 |
| | QPSK | 1 | 0 | 23.4 | 23.4 | 23.3 | 22.5 | 22.8 | 22.9 | 22.7 | 22.9 | 22.8 | 23.0 | 22.9 | 22.8 |
| | | 1 | 1 | 24.2 | 24.3 | 24.3 | 23.3 | 23.7 | 23.7 | 23.8 | 23.9 | 23.8 | 23.9 | 24.0 | 23.8 |
| | | 1 | 77 | 24.3 | 24.3 | 24.2 | 23.6 | 23.7 | 23.6 | 23.7 | **23.9** | 23.8 | 23.9 | 23.9 | 23.8 |
| | | 1 | 78 | 23.2 | 23.3 | 23.3 | 22.8 | 22.9 | 22.8 | 22.7 | 22.9 | 22.8 | 22.8 | 22.9 | 22.9 |
| | | 36 | 18 | 24.3 | **24.4** | 24.3 | 23.5 | **23.8** | 23.6 | 23.7 | 23.8 | **23.9** | 23.9 | **24.0** | 23.9 |
| | | 75 | 0 | 23.3 | 23.4 | 23.3 | 22.7 | 22.9 | 22.9 | 22.7 | 22.9 | 22.9 | 22.9 | 22.9 | 22.8 |
| | 16QAM | 1 | 0 | 22.2 | 22.5 | 22.5 | 21.6 | 22.0 | 22.0 | 21.6 | 21.7 | 22.1 | 21.8 | 22.1 | 21.9 |
| | | 1 | 1 | 23.2 | 23.1 | 23.1 | 22.4 | **22.9** | **22.9** | **23.0** | 22.8 | 22.7 | **23.1** | 22.9 | 22.9 |
| | | 1 | 77 | **23.4** | 23.3 | 23.3 | 22.6 | 22.9 | 22.8 | 22.9 | 22.5 | 22.6 | 22.5 | 23.0 | 22.8 |
| | | 1 | 78 | 22.3 | 22.4 | 22.2 | 21.5 | 21.9 | 22.0 | 21.8 | 21.8 | 22.1 | 21.7 | 22.0 | 21.6 |
| | | 36 | 18 | 23.2 | 23.4 | 23.3 | 22.6 | 22.8 | 22.9 | 22.7 | 22.8 | 22.8 | 22.9 | 22.9 | 22.9 |
| | | 75 | 0 | 22.3 | 22.3 | 22.3 | 21.7 | 21.9 | 21.9 | 21.6 | 21.8 | 21.9 | 22.0 | 22.0 | 21.9 |
| | 64QAM | 1 | 0 | **22.0** | 21.6 | 21.9 | 21.2 | 21.3 | 21.6 | 21.2 | 21.4 | 21.3 | **21.8** | 21.4 | 21.4 |
| | | 1 | 1 | 21.9 | 21.5 | 21.8 | 21.2 | **21.7** | 21.2 | 21.1 | **21.5** | 21.5 | 21.1 | 21.2 | 21.0 |
| | | 1 | 77 | 21.6 | 21.8 | 21.8 | 21.3 | 21.4 | 21.1 | 21.3 | 21.4 | 21.1 | 21.6 | 21.6 | 21.3 |
| | | 1 | 78 | 21.5 | 22.0 | 21.5 | 21.1 | 21.3 | 21.5 | 21.4 | 21.5 | 21.3 | 21.1 | 21.4 | 21.5 |
| | | 36 | 18 | 21.8 | 21.9 | 21.7 | 21.1 | 21.4 | 21.4 | 21.3 | 21.3 | 21.4 | 21.4 | 21.5 | 21.4 |
| | | 75 | 0 | 21.8 | 21.9 | 21.7 | 21.1 | 21.4 | 21.3 | 21.2 | 21.4 | 21.3 | 21.4 | 21.4 | 21.3 |
| | 256QAM | 1 | 0 | 19.9 | **20.0** | 19.5 | 19.1 | 19.5 | 19.2 | 19.1 | 19.2 | 19.1 | **19.7** | 19.3 | 19.4 |
| | | 1 | 1 | 19.7 | 19.7 | 19.7 | 19.0 | 19.2 | 19.6 | 19.2 | 19.3 | 19.3 | 19.3 | 19.3 | 19.2 |
| | | 1 | 77 | 19.7 | 19.6 | 19.4 | 19.5 | **19.6** | 19.5 | 19.4 | 19.4 | 19.1 | 19.3 | 19.4 | 19.4 |
| | | 1 | 78 | 19.6 | 20.0 | 19.8 | 19.3 | **19.6** | 19.0 | 19.1 | **19.5** | 19.1 | 19.3 | 19.3 | 19.4 |
| | | 36 | 18 | 19.9 | 19.9 | 19.7 | 19.1 | 19.4 | 19.4 | 19.2 | 19.3 | 19.4 | 19.4 | 19.4 | 19.4 |
| | | 75 | 0 | 19.9 | 19.9 | 19.7 | 19.1 | 19.5 | 19.3 | 19.2 | 19.4 | 19.3 | 19.4 | 19.4 | 19.3 |

## OUTPUT POWER FOR 5G NR n66 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 344000 | 349000 | 354000 | 344000 | 349000 | 354000 | 344000 | 349000 | 354000 | 344000 | 349000 | 354000 |
| | | | | 1720.0 | 1745.0 | 1770.0 | 1720.0 | 1745.0 | 1770.0 | 1720.0 | 1745.0 | 1770.0 | 1720.0 | 1745.0 | 1770.0 |
| 20.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 23.9 | 23.1 | 23.4 | 23.3 | 23.3 | 23.4 | 23.5 | 23.5 | 23.4 | 23.5 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | 23.4 | 23.7 | 23.7 | 23.8 | 23.9 | **24.0** | 24.0 | 24.0 | **24.0** |
| | | 1 | 104 | **24.4** | 24.4 | 24.3 | 23.6 | **23.8** | 23.5 | 24.0 | 23.9 | 23.9 | 24.0 | 24.0 | 24.0 |
| | | 1 | 105 | 23.9 | 23.8 | 23.8 | 23.3 | 23.5 | 23.3 | 23.4 | 23.5 | 23.4 | 23.6 | 23.4 | 23.5 |
| | | 50 | 25 | 24.4 | 24.4 | 24.2 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 | 24.0 | 23.9 | 24.0 | 24.0 |
| | | 100 | 0 | 23.9 | 23.9 | 23.7 | 23.2 | 23.3 | 23.4 | 23.3 | 23.4 | 23.5 | 23.5 | 23.5 | 23.5 |
| | QPSK | 1 | 0 | 23.3 | 23.3 | 23.3 | 22.6 | 22.9 | 23.0 | 22.7 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 |
| | | 1 | 1 | 24.3 | 24.3 | 24.3 | 23.4 | 23.7 | 23.7 | 23.8 | 23.9 | 24.0 | 23.9 | 24.0 | 23.9 |
| | | 1 | 104 | **24.4** | 24.3 | 24.2 | 23.6 | **23.8** | 23.6 | 23.9 | **24.0** | 23.9 | 23.9 | 24.0 | 23.9 |
| | | 1 | 105 | 23.3 | 23.3 | 23.2 | 22.9 | 22.9 | 22.7 | 22.9 | 22.9 | 22.8 | 22.9 | 23.0 | 22.9 |
| | | 50 | 25 | 24.3 | **24.4** | 24.2 | 23.5 | 23.7 | 23.7 | 23.8 | 23.9 | 23.9 | 24.0 | **24.1** | 24.0 |
| | | 100 | 0 | 23.4 | 23.3 | 23.2 | 22.7 | 22.9 | 22.9 | 22.7 | 23.0 | 23.0 | 22.9 | 23.0 | 23.0 |
| | 16QAM | 1 | 0 | 22.3 | 22.4 | 22.2 | 21.6 | 22.0 | 21.8 | 21.8 | 22.2 | 22.0 | 21.9 | 22.1 | 21.6 |
| | | 1 | 1 | 23.3 | **23.5** | 23.3 | 22.5 | 22.4 | 22.9 | 22.6 | 23.1 | **23.4** | 23.0 | 22.9 | **23.1** |
| | | 1 | 104 | 23.4 | 23.1 | 23.0 | **23.1** | 22.7 | 22.9 | 22.9 | 23.3 | 22.4 | 23.0 | 22.5 | 22.9 |
| | | 1 | 105 | 22.2 | 22.2 | 22.4 | 21.9 | 22.1 | 21.8 | 21.9 | 21.9 | 21.8 | 21.9 | 22.0 | 22.0 |
| | | 50 | 25 | 23.4 | 23.3 | 23.3 | 22.7 | 22.9 | 22.9 | 22.8 | 22.9 | 22.9 | 22.9 | 23.0 | 23.0 |
| | | 100 | 0 | 22.3 | 22.3 | 22.2 | 21.7 | 21.9 | 21.9 | 21.8 | 21.9 | 22.0 | 21.9 | 21.9 | 21.9 |
| | 64QAM | 1 | 0 | 21.8 | 21.7 | 21.8 | 21.4 | 21.3 | 21.4 | 21.1 | 21.3 | **21.6** | 21.3 | 21.4 | 21.5 |
| | | 1 | 1 | 21.8 | 21.7 | 21.9 | 21.1 | 21.3 | 21.2 | 21.0 | 21.4 | 21.4 | 21.3 | 21.3 | **21.7** |
| | | 1 | 104 | 21.7 | **22.0** | 21.9 | 21.4 | 21.2 | 21.5 | 21.3 | 21.1 | 21.4 | 21.2 | 21.2 | 21.3 |
| | | 1 | 105 | 21.7 | 21.7 | 22.0 | 21.4 | **21.8** | 20.9 | 21.0 | 21.3 | 21.4 | 21.3 | 21.4 | 21.3 |
| | | 50 | 25 | 21.9 | 21.8 | 21.8 | 21.2 | 21.4 | 21.4 | 21.3 | 21.4 | 21.4 | 21.4 | 21.5 | 21.5 |
| | | 100 | 0 | 21.9 | 21.8 | 21.7 | 21.1 | 21.4 | 21.4 | 21.3 | 21.4 | 21.5 | 21.5 | 21.5 | 21.4 |
| | 256QAM | 1 | 0 | 19.4 | 19.6 | 19.7 | 19.1 | 19.1 | 19.5 | 19.4 | 19.5 | 19.6 | 19.7 | 19.7 | 19.8 |
| | | 1 | 1 | 20.1 | 20.2 | 19.5 | 19.4 | 19.2 | **19.5** | 19.3 | 19.4 | 19.1 | 19.5 | **19.9** | 19.0 |
| | | 1 | 104 | 20.1 | 20.0 | 19.7 | 19.5 | 19.3 | 19.2 | 19.1 | 19.5 | 19.5 | 19.6 | 19.7 | 19.8 |
| | | 1 | 105 | **20.3** | 20.0 | 19.5 | 19.3 | 19.3 | 19.2 | 19.3 | 19.5 | **19.7** | 19.3 | 19.7 | 19.4 |
| | | 50 | 25 | 19.9 | 19.9 | 19.8 | 19.2 | 19.4 | 19.4 | 19.3 | 19.4 | 19.4 | 19.4 | 19.6 | 19.4 |
| | | 100 | 0 | 19.9 | 19.9 | 19.7 | 19.2 | 19.4 | 19.3 | 19.3 | 19.4 | 19.5 | 19.5 | 19.5 | 19.4 |




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## OUTPUT POWER FOR 5G NR n66 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 344500 | 349000 | 353500 | 344500 | 349000 | 353500 | 344500 | 349000 | 353500 | 344500 | 349000 | 353500 |
| | | | | 1722.5 | 1745.0 | 1767.5 | 1722.5 | 1745.0 | 1767.5 | 1722.5 | 1745.0 | 1767.5 | 1722.5 | 1745.0 | 1767.5 |
| 25.0 | BPSK | 1 | 0 | 23.8 | 24.0 | 24.0 | 23.2 | 23.3 | 23.5 | 23.3 | 23.5 | 23.6 | 23.5 | 23.6 | 23.5 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | 23.5 | 23.7 | **23.8** | 23.7 | 24.0 | 24.0 | 24.1 | 24.1 | **24.1** |
| | | 1 | 131 | **24.5** | 24.3 | 24.3 | 23.7 | 23.8 | 23.7 | 23.9 | **24.1** | 24.0 | 23.9 | 24.0 | 23.9 |
| | | 1 | 132 | 24.0 | 23.9 | 23.8 | 23.5 | 23.4 | 23.3 | 23.5 | 23.6 | 23.3 | 23.4 | 23.5 | 23.5 |
| | | 64 | 32 | 24.4 | 24.4 | 24.4 | 23.5 | 23.8 | 23.7 | 23.8 | 23.9 | 23.9 | 24.0 | 24.0 | 23.9 |
| | | 180 | 0 | 23.9 | 23.8 | 23.8 | 23.3 | 23.4 | 23.4 | 23.3 | 23.4 | 23.4 | 23.6 | 23.4 | 23.4 |
| | QPSK | 1 | 0 | 23.3 | 23.5 | 23.4 | 22.6 | 22.9 | 22.9 | 22.9 | 22.9 | 23.0 | 23.1 | 22.9 | 23.1 |
| | | 1 | 1 | 24.4 | 24.4 | **24.4** | 23.4 | 23.7 | 23.7 | 23.9 | 23.9 | 23.9 | **24.0** | 24.0 | 23.9 |
| | | 1 | 131 | 24.4 | 24.2 | 24.4 | **23.8** | **23.8** | 23.7 | 24.0 | **24.0** | 23.8 | 23.9 | 24.0 | 23.8 |
| | | 1 | 132 | 23.5 | 23.3 | 23.3 | 23.0 | 22.9 | 22.9 | 23.0 | 22.9 | 22.8 | 23.1 | 23.0 | 22.9 |
| | | 64 | 32 | 24.3 | 24.3 | 24.3 | 23.5 | 23.8 | 23.7 | 23.8 | 23.8 | 23.9 | 24.0 | 23.9 | 23.9 |
| | | 180 | 0 | 23.3 | 23.3 | 23.3 | 22.7 | 23.0 | 22.9 | 22.8 | 23.0 | 22.9 | 23.0 | 22.9 | 22.9 |
| | 16QAM | 1 | 0 | 22.2 | 22.8 | 22.3 | 22.0 | 21.9 | 22.1 | 21.8 | 21.8 | 22.2 | 21.9 | 22.3 | 21.7 |
| | | 1 | 1 | **23.4** | 23.2 | **23.4** | 23.0 | 23.0 | 23.3 | 22.9 | 23.1 | **23.1** | **23.3** | 23.0 | 23.2 |
| | | 1 | 131 | 23.4 | 22.9 | 23.2 | 22.9 | **23.3** | 22.7 | 22.9 | 22.9 | 23.0 | 23.1 | 22.8 | 22.7 |
| | | 1 | 132 | 22.2 | 22.1 | 21.9 | 21.8 | 22.0 | 21.6 | 21.7 | 22.0 | 22.2 | 22.0 | 22.3 | 21.6 |
| | | 64 | 32 | 23.3 | 23.3 | 23.3 | 22.8 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.8 |
| | | 180 | 0 | 22.4 | 22.3 | 22.3 | 21.7 | 22.0 | 21.9 | 21.8 | 21.8 | 21.9 | 21.9 | 21.9 | 21.9 |
| | 64QAM | 1 | 0 | 22.1 | 21.7 | 21.8 | 21.4 | 21.3 | **21.7** | 21.2 | 21.4 | 21.4 | 21.6 | 21.8 | 21.6 |
| | | 1 | 1 | **22.1** | 21.7 | 21.7 | 21.2 | 21.4 | 21.2 | 21.1 | 21.5 | 21.5 | 21.8 | 21.7 | **21.9** |
| | | 1 | 131 | 21.8 | 21.6 | 22.1 | 21.6 | 21.7 | 21.1 | 21.2 | 21.3 | **21.7** | 21.0 | 21.4 | 21.5 |
| | | 1 | 132 | 21.8 | 22.0 | 21.9 | 21.1 | 21.5 | 21.3 | 21.3 | 21.5 | 21.5 | 21.4 | 21.5 | 21.3 |
| | | 64 | 32 | 21.8 | 21.8 | 21.8 | 21.3 | 21.4 | 21.4 | 21.4 | 21.4 | 21.5 | 21.5 | 21.4 | 21.4 |
| | | 180 | 0 | 21.9 | 21.9 | 21.8 | 21.2 | 21.4 | 21.4 | 21.3 | 21.4 | 21.4 | 21.5 | 21.4 | 21.4 |
| | 256QAM | 1 | 0 | 19.7 | 19.5 | 19.7 | 19.0 | 19.6 | 19.4 | 19.5 | 19.3 | 19.6 | 19.7 | 19.4 | 19.7 |
| | | 1 | 1 | 19.8 | 19.6 | 19.9 | 19.4 | 19.5 | 19.1 | 19.4 | 19.5 | 19.5 | **19.8** | 19.6 | 19.3 |
| | | 1 | 131 | 19.8 | **20.1** | 19.7 | 19.4 | 19.5 | 19.1 | 19.6 | 19.4 | 19.4 | 19.5 | 19.1 | 19.4 |
| | | 1 | 132 | 19.8 | 19.9 | 19.9 | 19.2 | 19.7 | **19.7** | **19.7** | 19.5 | 19.6 | 19.7 | 19.4 | 19.6 |
| | | 64 | 32 | 19.8 | 19.9 | 19.7 | 19.3 | 19.4 | 19.4 | 19.3 | 19.4 | 19.4 | 19.4 | 19.5 | 19.3 |
| | | 180 | 0 | 20.0 | 19.9 | 19.8 | 19.3 | 19.5 | 19.4 | 19.3 | 19.4 | 19.5 | 19.5 | 19.5 | 19.3 |

## OUTPUT POWER FOR 5G NR n66 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 345000 | 349000 | 353000 | 345000 | 349000 | 353000 | 345000 | 349000 | 353000 | 345000 | 349000 | 353000 |
| | | | | 1725.0 | 1745.0 | 1765.0 | 1725.0 | 1745.0 | 1765.0 | 1725.0 | 1745.0 | 1765.0 | 1725.0 | 1745.0 | 1765.0 |
| 30.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 24.0 | 23.1 | 23.3 | 23.4 | 23.3 | 23.4 | 23.5 | 23.5 | 23.5 | 23.4 |
| | | 1 | 1 | 24.3 | 24.4 | **24.4** | 23.4 | 23.6 | 23.6 | 23.8 | 23.8 | **24.1** | 23.9 | 23.9 | **24.1** |
| | | 1 | 158 | 24.4 | 24.3 | 24.3 | 23.7 | **23.8** | 23.5 | 24.0 | 23.9 | 23.9 | 24.0 | 23.9 | 23.9 |
| | | 1 | 159 | 24.0 | 23.9 | 23.7 | 23.4 | 23.4 | 23.3 | 23.4 | 23.5 | 23.4 | 23.6 | 23.4 | 23.4 |
| | | 80 | 40 | 24.3 | 24.4 | 24.3 | 23.5 | 23.7 | 23.6 | 23.8 | 24.0 | 23.9 | 23.9 | 23.9 | 23.9 |
| | | 160 | 0 | 23.9 | 23.9 | 23.9 | 23.2 | 23.4 | 23.3 | 23.3 | 23.4 | 23.4 | 23.3 | 23.4 | 23.3 |
| | QPSK | 1 | 0 | 23.3 | 23.4 | 23.4 | 22.7 | 22.7 | 22.9 | 22.8 | 22.9 | 22.9 | 22.8 | 23.0 | 22.9 |
| | | 1 | 1 | 24.3 | **24.3** | 24.2 | 23.4 | 23.6 | 23.6 | 23.7 | 23.9 | 23.9 | 23.9 | **23.9** | 23.8 |
| | | 1 | 158 | 24.3 | 24.3 | 24.2 | **23.7** | **23.7** | 23.5 | 24.0 | **24.0** | 23.8 | 23.8 | 23.8 | 23.7 |
| | | 1 | 159 | 23.4 | 23.3 | 23.2 | 22.9 | 22.9 | 22.8 | 23.0 | 23.1 | 22.8 | 22.9 | 22.9 | 22.8 |
| | | 80 | 40 | 24.3 | 24.3 | 24.3 | 23.5 | 23.6 | 23.6 | 23.7 | 24.0 | 23.9 | 23.9 | **23.9** | 23.8 |
| | | 160 | 0 | 23.2 | 23.3 | 23.3 | 22.8 | 22.9 | 22.9 | 22.8 | 22.9 | 23.0 | 22.9 | 22.9 | 22.8 |
| | 16QAM | 1 | 0 | 22.5 | 22.5 | 22.1 | 21.6 | 22.1 | 22.0 | 21.9 | 21.8 | 22.3 | 21.7 | 22.2 | 21.7 |
| | | 1 | 1 | 23.1 | 23.3 | **23.3** | 22.6 | 22.7 | 22.8 | 22.7 | 22.9 | 23.0 | 22.5 | 22.9 | 22.4 |
| | | 1 | 158 | 23.3 | 23.2 | 22.9 | **23.0** | 22.5 | 22.6 | 22.8 | **23.1** | 23.0 | 22.9 | **23.1** | 22.5 |
| | | 1 | 159 | 22.5 | 22.3 | 22.2 | 21.8 | 21.6 | 21.5 | 22.1 | 22.0 | 22.2 | 22.2 | 22.0 | 21.9 |
| | | 80 | 40 | 23.3 | 23.3 | 23.2 | 22.8 | 22.9 | 22.8 | 22.7 | 22.8 | 22.8 | 22.8 | 22.9 | 22.9 |
| | | 160 | 0 | 22.3 | 22.3 | 22.3 | 21.7 | 21.8 | 21.9 | 21.8 | 21.9 | 22.0 | 21.8 | 21.9 | 21.8 |
| | 64QAM | 1 | 0 | 21.9 | 21.9 | 21.6 | 21.1 | 21.2 | 21.3 | 21.6 | 21.4 | 21.4 | 21.5 | 21.1 | 21.3 |
| | | 1 | 1 | 21.7 | 22.0 | 21.7 | 20.8 | 21.4 | 21.3 | 21.3 | 21.5 | 21.2 | 21.5 | 21.5 | 21.2 |
| | | 1 | 158 | 21.5 | 21.7 | 21.8 | 21.3 | 21.4 | **21.5** | 21.5 | **21.6** | **21.6** | 21.3 | 21.4 | 21.3 |
| | | 1 | 159 | **22.3** | 21.4 | 21.6 | 21.5 | 21.1 | 21.3 | 21.4 | 21.3 | 21.6 | 21.4 | **21.6** | 21.6 |
| | | 80 | 40 | 21.8 | 21.8 | 21.7 | 21.2 | 21.3 | 21.3 | 21.2 | 21.4 | 21.4 | 21.3 | 21.3 | 21.4 |
| | | 160 | 0 | 21.8 | 21.8 | 21.8 | 21.2 | 21.3 | 21.3 | 21.3 | 21.4 | 21.4 | 21.3 | 21.4 | 21.3 |
| | 256QAM | 1 | 0 | 19.7 | 19.6 | 19.6 | 19.1 | 19.0 | 19.5 | 19.1 | 19.6 | 19.3 | 19.6 | 19.4 | 19.5 |
| | | 1 | 1 | 19.6 | 19.8 | 19.6 | 19.2 | 19.5 | 19.5 | 19.6 | 19.5 | **19.7** | 19.6 | 19.4 | 19.2 |
| | | 1 | 158 | 19.7 | 19.8 | 19.5 | 19.5 | 19.2 | 19.5 | 19.5 | 19.7 | 18.9 | **19.8** | 19.3 | 19.1 |
| | | 1 | 159 | **20.0** | **20.0** | 19.4 | **19.6** | 19.4 | 19.2 | 19.6 | 19.6 | 19.4 | 19.7 | 19.5 | 19.5 |
| | | 80 | 40 | 19.9 | 19.9 | 19.8 | 19.3 | 19.4 | 19.4 | 19.2 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 |
| | | 160 | 0 | 19.8 | 19.9 | 19.8 | 19.3 | 19.3 | 19.3 | 19.2 | 19.4 | 19.5 | 19.4 | 19.4 | 19.3 |



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## OUTPUT POWER FOR 5G NR n66 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | | ANT 1 | | | ANT 5 | | |
| | | | | 346000 | 349000 | 352000 | 346000 | 349000 | 352000 | 346000 | 349000 | 352000 | 346000 | 349000 | 352000 |
| | | | | 1730.0 | 1745.0 | 1760.0 | 1730.0 | 1745.0 | 1760.0 | 1730.0 | 1745.0 | 1760.0 | 1730.0 | 1745.0 | 1760.0 |
| 40.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 24.0 | 23.2 | 23.3 | 23.5 | 23.3 | 23.3 | 23.4 | 23.4 | 23.3 | 23.5 |
| | | 1 | 1 | 24.4 | 24.4 | **24.4** | 23.4 | 23.7 | 23.7 | 23.8 | 23.8 | **24.0** | 24.0 | 23.8 | **24.0** |
| | | 1 | 214 | 24.4 | 24.4 | 24.2 | **23.8** | 23.7 | 23.7 | **24.0** | 23.9 | 23.9 | 24.0 | 23.9 | 23.8 |
| | | 1 | 215 | 23.9 | 23.8 | 23.8 | 23.4 | 23.4 | 23.4 | 23.5 | 23.4 | 23.5 | 23.5 | 23.4 | 23.3 |
| | | 108 | 54 | 24.4 | 24.4 | 24.2 | 23.5 | 23.7 | 23.8 | 23.9 | 23.8 | 24.0 | 23.8 | 23.9 | 24.0 |
| | | 216 | 0 | 23.8 | 23.9 | 23.7 | 23.2 | 23.4 | 23.4 | 23.4 | 23.3 | 23.5 | 23.5 | 23.4 | 23.4 |
| | QPSK | 1 | 0 | 23.3 | 23.4 | 23.4 | 22.5 | 22.8 | 22.9 | 22.7 | 22.8 | 23.0 | 22.9 | 22.9 | 23.0 |
| | | 1 | 1 | 24.3 | **24.4** | 24.3 | 23.4 | 23.6 | **23.8** | 23.8 | 23.8 | 24.0 | 23.9 | 23.8 | 24.0 |
| | | 1 | 214 | 24.3 | 24.3 | 24.2 | 23.7 | 23.8 | 23.7 | **24.0** | 24.0 | 23.9 | **24.0** | 23.8 | 23.8 |
| | | 1 | 215 | 23.3 | 23.2 | 23.2 | 22.9 | 22.9 | 22.8 | 23.0 | 22.8 | 22.9 | 22.9 | 22.9 | 22.8 |
| | | 108 | 54 | 24.3 | 24.3 | 24.3 | 23.6 | 23.7 | 23.7 | 23.9 | 23.8 | 24.0 | 23.8 | 23.9 | 23.9 |
| | | 216 | 0 | 23.3 | 23.3 | 23.2 | 22.8 | 22.9 | 23.0 | 22.8 | 22.8 | 22.9 | 22.9 | 22.9 | 22.9 |
| | 16QAM | 1 | 0 | 22.4 | 22.6 | 22.3 | 21.4 | 21.7 | 21.9 | 21.6 | 21.5 | 21.8 | 22.3 | 21.6 | 22.0 |
| | | 1 | 1 | 23.6 | 23.3 | **23.7** | 22.6 | 22.1 | 22.7 | 22.8 | 22.7 | 22.7 | 22.9 | 22.8 | 23.0 |
| | | 1 | 214 | 23.0 | 23.4 | 23.3 | **23.5** | 23.0 | 22.7 | 22.8 | **23.1** | 22.5 | 22.8 | **23.0** | 22.9 |
| | | 1 | 215 | 22.1 | 22.3 | 21.7 | 22.0 | 21.7 | 21.7 | 22.1 | 21.6 | 21.8 | 22.0 | 21.9 | 21.8 |
| | | 108 | 54 | 23.3 | 23.3 | 23.2 | 22.8 | 23.0 | 23.0 | 22.9 | 22.8 | 22.9 | 22.9 | 22.9 | **23.0** |
| | | 216 | 0 | 22.3 | 22.3 | 22.2 | 21.7 | 21.8 | 21.9 | 21.8 | 21.8 | 21.9 | 21.8 | 22.0 | 22.0 |
| | 64QAM | 1 | 0 | 21.7 | 21.7 | 22.1 | 21.5 | 21.4 | 21.4 | 21.0 | 20.8 | 21.2 | 21.6 | 21.3 | 21.2 |
| | | 1 | 1 | 21.7 | 21.9 | 21.6 | 21.3 | 21.2 | 21.1 | 21.2 | 21.5 | 21.3 | 21.4 | 21.3 | **21.7** |
| | | 1 | 214 | 21.7 | 21.5 | 22.1 | 21.5 | 21.5 | 20.7 | 21.3 | 21.3 | 20.9 | 21.3 | 21.7 | 21.5 |
| | | 1 | 215 | 22.2 | **22.3** | 21.7 | **21.6** | 21.5 | 21.3 | 21.4 | **21.6** | 21.4 | 21.3 | 21.6 | 21.3 |
| | | 108 | 54 | 21.8 | 21.7 | 21.8 | 21.2 | 21.4 | 21.4 | 21.2 | 21.4 | 21.5 | 21.4 | 21.4 | 21.5 |
| | | 216 | 0 | 21.8 | 21.8 | 21.7 | 21.3 | 21.3 | 21.5 | 21.3 | 21.3 | 21.5 | 21.4 | 21.4 | 21.5 |
| | 256QAM | 1 | 0 | 19.6 | 20.0 | 20.1 | 19.0 | 19.1 | 19.1 | 19.7 | 19.5 | **19.7** | 19.5 | 19.5 | 19.6 |
| | | 1 | 1 | 19.6 | 19.9 | **20.2** | 19.1 | 19.3 | 19.3 | 19.6 | 19.3 | 19.1 | 19.4 | 19.3 | 19.4 |
| | | 1 | 214 | 20.0 | 20.0 | 19.9 | 19.5 | 19.2 | 19.2 | 19.4 | 19.3 | 19.1 | **19.6** | 19.5 | 19.3 |
| | | 1 | 215 | 19.6 | 20.2 | 19.4 | 19.2 | 19.4 | **19.7** | 19.2 | 19.4 | 19.0 | 19.4 | 19.5 | 19.3 |
| | | 108 | 54 | 19.9 | 19.9 | 19.8 | 19.3 | 19.5 | 19.4 | 19.3 | 19.4 | 19.4 | 19.5 | 19.5 | 19.5 |
| | | 216 | 0 | 19.9 | 19.9 | 19.8 | 19.2 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.5 | 19.4 | 19.5 |




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## 8.15. 5G NR n70

| Test Engineer ID: | 27966PV | Test Date: | 2024-02-09 to 2024-02-14 |
|---|---|---|---|

### OUTPUT POWER FOR 5G NR n70 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 339500 | 340500 | 341500 | 339500 | 340500 | 341500 |
| | | | | 1697.5 | 1702.5 | 1707.5 | 1697.5 | 1702.5 | 1707.5 |
| 5.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 24.0 | 23.2 | 23.3 | 23.2 |
| | | 1 | 1 | **24.5** | 24.4 | 24.5 | 23.3 | 23.8 | 23.8 |
| | | 1 | 23 | 24.4 | 24.4 | **24.5** | 23.2 | **23.9** | 23.8 |
| | | 1 | 24 | 23.9 | 23.9 | 23.9 | 23.2 | 23.4 | 23.3 |
| | | 12 | 6 | 24.4 | 24.4 | 24.4 | 23.2 | 23.8 | 23.8 |
| | | 25 | 0 | 23.8 | 23.9 | 24.0 | 23.2 | 23.2 | 23.3 |
| | QPSK | 1 | 0 | 23.4 | 23.3 | 23.5 | 22.7 | 22.8 | 22.7 |
| | | 1 | 1 | 24.4 | 24.4 | **24.5** | 23.3 | 23.8 | 23.8 |
| | | 1 | 23 | 24.4 | 24.4 | 24.4 | 23.3 | 23.8 | **23.8** |
| | | 1 | 24 | 23.4 | 23.4 | 23.4 | 22.7 | 22.8 | 22.8 |
| | | 12 | 6 | 24.4 | 24.3 | 24.4 | 23.2 | 23.7 | 23.8 |
| | | 25 | 0 | 23.4 | 23.4 | 23.4 | 22.7 | 22.8 | 22.8 |
| | 16QAM | 1 | 0 | 22.4 | 22.4 | 22.4 | 21.8 | 21.8 | 21.5 |
| | | 1 | 1 | 23.4 | 23.3 | **23.6** | 22.8 | 22.8 | 22.8 |
| | | 1 | 23 | 23.3 | 23.3 | 23.4 | 22.7 | 23.0 | **23.0** |
| | | 1 | 24 | 22.1 | 22.5 | 22.4 | 21.3 | 21.7 | 21.5 |
| | | 12 | 6 | 23.5 | 23.3 | 23.3 | 22.6 | 22.8 | 22.9 |
| | | 25 | 0 | 22.3 | 22.3 | 22.3 | 21.6 | 21.8 | 21.7 |
| | 64QAM | 1 | 0 | 21.8 | 22.0 | 21.9 | 21.5 | 21.1 | 21.7 |
| | | 1 | 1 | 22.1 | 22.0 | **22.1** | 21.0 | **21.9** | 21.3 |
| | | 1 | 23 | 21.7 | 21.9 | 21.5 | 21.0 | 21.2 | 21.7 |
| | | 1 | 24 | 21.8 | 22.1 | 22.0 | 21.4 | 21.0 | 21.4 |
| | | 12 | 6 | 21.8 | 22.0 | 21.8 | 21.1 | 21.2 | 21.3 |
| | | 25 | 0 | 21.8 | 21.9 | 21.8 | 21.1 | 21.2 | 21.3 |
| | 256QAM | 1 | 0 | **20.4** | 19.8 | 19.8 | 19.1 | **19.6** | 19.5 |
| | | 1 | 1 | 19.9 | 20.0 | 20.0 | 19.3 | 19.1 | 19.3 |
| | | 1 | 23 | 20.1 | 20.0 | 20.2 | 19.2 | 19.2 | 19.5 |
| | | 1 | 24 | 20.1 | 19.8 | 20.2 | 19.1 | 19.1 | 19.5 |
| | | 12 | 6 | 19.9 | 20.0 | 20.0 | 19.2 | 19.3 | 19.4 |
| | | 25 | 0 | 19.9 | 20.0 | 20.0 | 19.1 | 19.3 | 19.2 |

### OUTPUT POWER FOR 5G NR n70 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | 340000 | 340500 | 341000 | 340000 | 340500 | 341000 |
| | | | | 1700.0 | 1702.5 | 1705.0 | 1700.0 | 1702.5 | 1705.0 |
| 10.0 | BPSK | 1 | 0 | 23.9 | 23.9 | 23.9 | 23.3 | 23.2 | 23.2 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | 23.7 | 23.7 | 23.7 |
| | | 1 | 50 | 24.4 | 24.4 | **24.5** | **23.9** | 23.7 | 23.8 |
| | | 1 | 51 | 24.0 | 24.0 | 23.9 | 23.4 | 23.2 | 23.4 |
| | | 25 | 12 | 24.4 | 24.4 | 24.4 | 23.8 | 23.7 | 23.8 |
| | | 50 | 0 | 23.8 | 23.9 | 23.9 | 23.2 | 23.3 | 23.3 |
| | QPSK | 1 | 0 | 23.5 | 23.4 | 23.4 | 22.8 | 22.6 | 22.7 |
| | | 1 | 1 | 24.4 | 24.4 | 24.4 | 23.7 | 23.7 | 23.7 |
| | | 1 | 50 | 24.4 | 24.4 | **24.4** | **23.8** | 23.8 | 23.8 |
| | | 1 | 51 | 23.4 | 23.5 | 23.4 | 22.8 | 22.8 | 22.8 |
| | | 25 | 12 | 24.3 | 24.4 | 24.3 | 23.8 | 23.7 | 23.8 |
| | | 50 | 0 | 23.3 | 23.4 | 23.4 | 22.7 | 22.7 | 22.7 |
| | 16QAM | 1 | 0 | 22.5 | 22.3 | 22.1 | 21.3 | 21.5 | 21.6 |
| | | 1 | 1 | 23.4 | 23.3 | 23.3 | 22.8 | 22.7 | 22.8 |
| | | 1 | 50 | 23.4 | **23.6** | 23.2 | 22.8 | **22.9** | 22.9 |
| | | 1 | 51 | 22.3 | 22.4 | 22.4 | 21.5 | 21.7 | 22.1 |
| | | 25 | 12 | 23.4 | 23.3 | 23.4 | 22.7 | 22.7 | 22.7 |
| | | 50 | 0 | 22.3 | 22.4 | 22.4 | 21.8 | 21.8 | 21.7 |
| | 64QAM | 1 | 0 | 21.7 | 22.0 | **22.1** | 21.3 | 21.1 | 21.2 |
| | | 1 | 1 | 21.7 | 21.7 | 21.9 | 21.2 | 21.2 | **21.5** |
| | | 1 | 50 | 21.9 | 21.9 | 22.0 | 21.4 | 21.4 | 21.4 |
| | | 1 | 51 | 21.7 | 21.9 | 21.9 | 21.4 | 21.1 | 21.1 |
| | | 25 | 12 | 21.8 | 21.8 | 21.8 | 21.2 | 21.3 | 21.2 |
| | | 50 | 0 | 21.9 | 21.8 | 21.9 | 21.2 | 21.3 | 21.3 |
| | 256QAM | 1 | 0 | 20.3 | 20.1 | 19.9 | **19.7** | 19.2 | 19.3 |
| | | 1 | 1 | 19.8 | 19.7 | 20.0 | 19.2 | 19.2 | 19.1 |
| | | 1 | 50 | 20.2 | 19.8 | 19.7 | 19.5 | 19.3 | 19.4 |
| | | 1 | 51 | **20.4** | 19.8 | 19.8 | 19.1 | 19.3 | 19.7 |
| | | 25 | 12 | 19.9 | 19.9 | 19.9 | 19.2 | 19.2 | 19.3 |
| | | 50 | 0 | 19.9 | 20.0 | 19.9 | 19.2 | 19.3 | 19.2 |



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## OUTPUT POWER FOR 5G NR n70 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 2 | | | ANT 0 | | |
| | | | | N/A | 340500 | N/A | N/A | 340500 | N/A |
| | | | | N/A | 1702.5 | N/A | N/A | 1702.5 | N/A |
| 15.0 | BPSK | 1 | 0 | | 23.9 | | | 23.2 | |
| | | 1 | 1 | | 24.4 | | | 23.7 | |
| | | 1 | 77 | | **24.4** | | | **23.8** | |
| | | 1 | 78 | | 23.9 | | | 23.2 | |
| | | 36 | 18 | | 24.3 | | | 23.7 | |
| | | 75 | 0 | | 23.9 | | | 23.3 | |
| | QPSK | 1 | 0 | | 23.5 | | | 22.8 | |
| | | 1 | 1 | | 24.4 | | | **23.8** | |
| | | 1 | 77 | | **24.4** | | | 23.7 | |
| | | 1 | 78 | | 23.4 | | | 22.8 | |
| | | 36 | 18 | | 24.4 | | | 23.7 | |
| | | 75 | 0 | | 23.4 | | | 22.7 | |
| | 16QAM | 1 | 0 | | 22.5 | | | 21.8 | |
| | | 1 | 1 | | 23.5 | | | 22.6 | |
| | | 1 | 77 | | **23.5** | | | 22.7 | |
| | | 1 | 78 | | 22.2 | | | 21.8 | |
| | | 36 | 18 | | 23.2 | | | **22.8** | |
| | | 75 | 0 | | 22.4 | | | 21.8 | |
| | 64QAM | 1 | 0 | | 21.5 | | | **21.3** | |
| | | 1 | 1 | | 21.8 | | | 20.9 | |
| | | 1 | 77 | | 21.7 | | | 21.0 | |
| | | 1 | 78 | | **22.0** | | | 21.3 | |
| | | 36 | 18 | | 21.7 | | | 21.3 | |
| | | 75 | 0 | | 21.9 | | | 21.2 | |
| | 256QAM | 1 | 0 | | 19.9 | | | 19.4 | |
| | | 1 | 1 | | **20.0** | | | 19.0 | |
| | | 1 | 77 | | **20.0** | | | 19.4 | |
| | | 1 | 78 | | 19.8 | | | **19.5** | |
| | | 36 | 18 | | 20.0 | | | 19.3 | |
| | | 75 | 0 | | 19.9 | | | 19.2 | |



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# 8.16. LTE BAND 71 AND 5G NR n71

## LTE BAND 71

| Test Engineer ID: | 39005RA | Test Date: | 2024-04-03 |
|---|---|---|---|

## OUTPUT POWER FOR LTE BAND 71 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 133147 | 133297 | 133447 | 133147 | 133297 | 133447 |
| | | | | 665.5 | 680.5 | 695.5 | 665.5 | 680.5 | 695.5 |
| 5.0 | QPSK | 1 | 0 | 24.3 | 24.3 | 24.3 | **24.4** | **24.4** | 24.3 |
| | | 1 | 12 | 24.2 | 24.3 | 24.3 | 24.2 | 24.2 | 24.3 |
| | | 1 | 24 | 24.3 | 24.3 | **24.4** | 24.3 | 24.2 | 24.3 |
| | | 12 | 0 | 23.5 | 23.5 | 23.5 | 23.2 | 23.3 | 23.3 |
| | | 12 | 6 | 23.5 | 23.5 | 23.5 | 23.2 | 23.3 | 23.3 |
| | | 12 | 11 | 23.5 | 23.4 | 23.4 | 23.2 | 23.3 | 23.2 |
| | | 25 | 0 | 23.5 | 23.5 | 23.5 | 23.2 | 23.3 | 23.3 |
| | 16QAM | 1 | 0 | **23.8** | 23.8 | 23.8 | 23.4 | 23.7 | **23.7** |
| | | 1 | 12 | 23.6 | 23.6 | 23.6 | 23.3 | 23.7 | 23.4 |
| | | 1 | 24 | 23.7 | 23.7 | 23.7 | 23.5 | **23.7** | 23.3 |
| | | 12 | 0 | 23.0 | 22.8 | 22.8 | 22.5 | 22.4 | 22.3 |
| | | 12 | 6 | 22.9 | 22.8 | 22.7 | 22.5 | 22.4 | 22.3 |
| | | 12 | 11 | 22.9 | 22.8 | 22.7 | 22.5 | 22.4 | 22.3 |
| | | 25 | 0 | 22.8 | 22.9 | 22.8 | 22.5 | 22.3 | 22.3 |
| | 64QAM | 1 | 0 | 22.9 | 22.9 | 22.9 | 22.4 | 22.6 | **22.7** |
| | | 1 | 12 | 22.9 | 22.9 | 23.0 | 22.3 | 22.4 | 22.5 |
| | | 1 | 24 | 23.0 | 22.9 | **23.0** | 22.5 | 22.5 | 22.5 |
| | | 12 | 0 | 21.9 | 21.8 | 21.8 | 21.5 | 21.4 | 21.3 |
| | | 12 | 6 | 21.9 | 21.8 | 21.8 | 21.5 | 21.4 | 21.3 |
| | | 12 | 11 | 21.8 | 21.7 | 21.7 | 21.5 | 21.3 | 21.3 |
| | | 25 | 0 | 21.9 | 21.8 | 21.8 | 21.5 | 21.3 | 21.3 |
| | 256QAM | 1 | 0 | 19.9 | 19.9 | **20.0** | 19.6 | **19.7** | **19.7** |
| | | 1 | 12 | 19.9 | 19.8 | 19.8 | 19.5 | **19.7** | **19.7** |
| | | 1 | 24 | 19.9 | 19.8 | 19.8 | 19.6 | **19.7** | **19.7** |
| | | 12 | 0 | 19.9 | 19.8 | 19.9 | 19.4 | **19.7** | **19.7** |
| | | 12 | 6 | 19.9 | 19.8 | 19.8 | 19.4 | 19.7 | **19.7** |
| | | 12 | 11 | 19.9 | 19.8 | 19.8 | 19.4 | 19.7 | **19.7** |
| | | 25 | 0 | 19.9 | 19.8 | 19.8 | 19.5 | 19.7 | **19.7** |

## OUTPUT POWER FOR LTE BAND 71 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 133172 | 133322 | 133422 | 133172 | 133322 | 133422 |
| | | | | 668.0 | 683.0 | 693.0 | 668.0 | 683.0 | 693.0 |
| 10.0 | QPSK | 1 | 0 | **24.9** | 24.3 | 24.9 | 24.4 | 24.4 | **24.4** |
| | | 1 | 24 | **24.9** | 24.2 | 24.9 | 24.2 | 24.3 | 24.4 |
| | | 1 | 49 | 24.7 | 24.3 | 24.8 | 24.2 | 24.3 | 24.4 |
| | | 25 | 0 | 23.8 | 23.4 | 23.9 | 23.3 | 23.7 | 23.4 |
| | | 25 | 12 | 23.8 | 23.4 | 23.8 | 23.3 | 23.6 | 23.4 |
| | | 25 | 24 | 23.8 | 23.3 | 23.7 | 23.2 | 23.6 | 23.3 |
| | | 50 | 0 | 23.8 | 23.4 | 23.8 | 23.3 | 23.6 | 23.4 |
| | 16QAM | 1 | 0 | 23.8 | 23.8 | **23.9** | 23.4 | **23.6** | 23.5 |
| | | 1 | 24 | **23.9** | 23.8 | 23.8 | 23.4 | 23.5 | 23.5 |
| | | 1 | 49 | 23.8 | 23.6 | 23.6 | 23.3 | 23.5 | 23.3 |
| | | 25 | 0 | 22.8 | 22.8 | 22.9 | 22.3 | 22.7 | 22.4 |
| | | 25 | 12 | 22.8 | 22.8 | 22.8 | 22.2 | 22.7 | 22.3 |
| | | 25 | 24 | 22.8 | 22.7 | 22.7 | 22.2 | 22.6 | 22.3 |
| | | 50 | 0 | 22.8 | 22.8 | 22.8 | 22.3 | 22.7 | 22.4 |
| | 64QAM | 1 | 0 | 23.0 | **23.1** | 23.0 | 22.5 | **22.7** | 22.7 |
| | | 1 | 24 | 23.0 | 22.9 | 23.0 | 22.4 | **22.7** | 22.6 |
| | | 1 | 49 | 22.9 | 22.8 | 22.7 | 22.4 | **22.7** | 22.4 |
| | | 25 | 0 | 21.8 | 21.8 | 21.9 | 21.3 | 21.7 | 21.4 |
| | | 25 | 12 | 21.8 | 21.7 | 21.8 | 21.3 | 21.7 | 21.4 |
| | | 25 | 24 | 21.8 | 21.7 | 21.8 | 21.3 | 21.6 | 21.3 |
| | | 50 | 0 | 21.8 | 21.7 | 21.8 | 21.3 | 21.7 | 21.4 |
| | 256QAM | 1 | 0 | 20.0 | **20.1** | 20.0 | 19.5 | **19.7** | 19.5 |
| | | 1 | 24 | 19.9 | 20.1 | 19.8 | 19.4 | **19.7** | 19.4 |
| | | 1 | 49 | 19.9 | 19.9 | 19.7 | 19.3 | **19.7** | 19.3 |
| | | 25 | 0 | 19.9 | 19.9 | 19.9 | 19.4 | **19.7** | 19.4 |
| | | 25 | 12 | 19.8 | 19.8 | 19.8 | 19.3 | **19.7** | 19.4 |
| | | 25 | 24 | 19.8 | 19.7 | 19.8 | 19.3 | 19.7 | 19.3 |
| | | 50 | 0 | 19.8 | 19.8 | 19.8 | 19.3 | 19.7 | 19.3 |




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## OUTPUT POWER FOR LTE BAND 71 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 133197 | 133297 | 133397 | 133197 | 133297 | 133397 |
| | | | | 670.5 | 680.5 | 690.5 | 670.5 | 680.5 | 690.5 |
| 15.0 | QPSK | 1 | 0 | **24.9** | 24.6 | 24.8 | **24.6** | 24.4 | 24.4 |
| | | 1 | 37 | 24.6 | 24.4 | 24.4 | 24.3 | 24.2 | 24.1 |
| | | 1 | 74 | 24.7 | 24.4 | 24.6 | 24.3 | 24.2 | 24.3 |
| | | 36 | 0 | 23.9 | 23.5 | 23.8 | 23.6 | 23.5 | 23.4 |
| | | 36 | 16 | 23.9 | 23.4 | 23.7 | 23.5 | 23.7 | 23.4 |
| | | 36 | 35 | 23.8 | 23.4 | 23.7 | 23.4 | 23.7 | 23.4 |
| | | 75 | 0 | 23.9 | 23.5 | 23.7 | 23.5 | 23.7 | 23.4 |
| | 16QAM | 1 | 0 | **24.0** | 23.8 | 23.9 | 23.6 | **23.7** | 23.6 |
| | | 1 | 37 | 23.9 | 23.6 | 23.7 | 23.4 | **23.7** | 23.3 |
| | | 1 | 74 | 23.8 | 23.6 | 23.5 | 23.3 | **23.7** | 23.3 |
| | | 36 | 0 | 22.9 | 22.8 | 22.8 | 22.5 | 22.7 | 22.4 |
| | | 36 | 16 | 22.8 | 22.7 | 22.7 | 22.4 | 22.7 | 22.4 |
| | | 36 | 35 | 22.8 | 22.7 | 22.7 | 22.4 | 22.7 | 22.3 |
| | | 75 | 0 | 22.8 | 22.8 | 22.7 | 22.5 | 22.7 | 22.3 |
| | 64QAM | 1 | 0 | 23.1 | **23.1** | 23.1 | 22.4 | 22.7 | **22.7** |
| | | 1 | 37 | 23.0 | 23.0 | 22.9 | 22.2 | 22.5 | 22.5 |
| | | 1 | 74 | 23.0 | 23.0 | 22.8 | 22.2 | 22.5 | 22.5 |
| | | 36 | 0 | 21.9 | 21.8 | 21.8 | 21.4 | 21.5 | 21.4 |
| | | 36 | 16 | 21.9 | 21.8 | 21.7 | 21.3 | 21.4 | 21.4 |
| | | 36 | 35 | 21.8 | 21.7 | 21.6 | 21.3 | 21.3 | 21.3 |
| | | 75 | 0 | 21.8 | 21.8 | 21.7 | 21.3 | 21.3 | 21.4 |
| | 256QAM | 1 | 0 | **20.1** | 20.0 | 20.0 | 19.6 | **19.7** | 19.5 |
| | | 1 | 37 | 20.0 | 19.7 | 19.8 | 19.5 | **19.7** | 19.2 |
| | | 1 | 74 | 20.0 | 19.7 | 19.7 | 19.4 | **19.7** | 19.2 |
| | | 36 | 0 | 19.9 | 19.8 | 19.7 | 19.4 | **19.7** | 19.4 |
| | | 36 | 16 | 19.8 | 19.7 | 19.7 | 19.3 | 19.7 | 19.3 |
| | | 36 | 35 | 19.8 | 19.7 | 19.6 | 19.2 | 19.6 | 19.3 |
| | | 75 | 0 | 19.8 | 19.7 | 19.7 | 19.3 | 19.6 | 19.4 |

## OUTPUT POWER FOR LTE BAND 71 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 133222 | 133322 | 133372 | 133222 | 133322 | 133372 |
| | | | | 673.0 | 683.0 | 688.0 | 673.0 | 683.0 | 688.0 |
| 20.0 | QPSK | 1 | 0 | **24.8** | 24.6 | 24.8 | **24.6** | 24.4 | 24.6 |
| | | 1 | 49 | 24.8 | 24.4 | 24.8 | 24.5 | 24.0 | 24.1 |
| | | 1 | 99 | 24.5 | 24.4 | 24.5 | 24.2 | 24.1 | 24.3 |
| | | 50 | 0 | 23.8 | 23.5 | 23.8 | 23.5 | 23.7 | 23.5 |
| | | 50 | 24 | 23.7 | 23.4 | 23.7 | 23.4 | 23.7 | 23.4 |
| | | 50 | 49 | 23.7 | 23.3 | 23.6 | 23.4 | 23.6 | 23.4 |
| | | 100 | 0 | 23.7 | 23.4 | 23.7 | 23.4 | 23.7 | 23.5 |
| | 16QAM | 1 | 0 | 24.1 | 23.9 | **24.1** | 23.7 | **23.7** | 23.7 |
| | | 1 | 49 | 24.1 | 23.9 | 24.1 | 23.7 | **23.7** | 23.6 |
| | | 1 | 99 | 23.9 | 23.6 | 23.7 | 23.6 | 23.6 | 23.4 |
| | | 50 | 0 | 22.8 | 22.9 | 22.8 | 22.5 | 22.7 | 22.5 |
| | | 50 | 24 | 22.7 | 22.8 | 22.7 | 22.4 | 22.7 | 22.4 |
| | | 50 | 49 | 22.7 | 22.7 | 22.6 | 22.3 | 22.6 | 22.4 |
| | | 100 | 0 | 22.8 | 22.8 | 22.8 | 22.5 | 22.7 | 22.4 |
| | 64QAM | 1 | 0 | 23.0 | 23.0 | 23.1 | 22.7 | 22.7 | **22.7** |
| | | 1 | 49 | **23.1** | 22.8 | 23.0 | 22.6 | 22.6 | 22.7 |
| | | 1 | 99 | 22.9 | 22.9 | 22.7 | **22.7** | 22.6 | 22.4 |
| | | 50 | 0 | 21.8 | 21.9 | 21.9 | 21.5 | 21.5 | 21.6 |
| | | 50 | 24 | 21.8 | 21.8 | 21.8 | 21.5 | 21.5 | 21.4 |
| | | 50 | 49 | 21.7 | 21.7 | 21.7 | 21.4 | 21.4 | 21.4 |
| | | 100 | 0 | 21.8 | 21.8 | 21.8 | 21.5 | 21.5 | 21.5 |
| | 256QAM | 1 | 0 | 19.9 | **20.1** | 19.9 | 19.7 | **19.7** | 19.7 |
| | | 1 | 49 | 19.8 | 19.9 | 19.8 | 19.7 | 19.6 | 19.6 |
| | | 1 | 99 | 19.6 | 19.9 | 19.5 | 19.4 | 19.5 | 19.4 |
| | | 50 | 0 | 19.8 | 19.9 | 19.8 | 19.5 | 19.5 | 19.5 |
| | | 50 | 24 | 19.7 | 19.8 | 19.7 | 19.4 | 19.5 | 19.4 |
| | | 50 | 49 | 19.7 | 19.7 | 19.6 | 19.3 | 19.4 | 19.3 |
| | | 100 | 0 | 19.7 | 19.8 | 19.7 | 19.4 | 19.5 | 19.4 |



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## 5G NR n71

| Test Engineer ID: | 27966PV | Test Date: | 2024-02-09 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n71 (5.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 133100 | 136100 | 139100 | 133100 | 136100 | 139100 |
| | | | | 665.5 | 680.5 | 695.5 | 665.5 | 680.5 | 695.5 |
| 5.0 | BPSK | 1 | 0 | 23.6 | 24.1 | 24.1 | 23.9 | 24.0 | 23.9 |
| | | 1 | 1 | 23.8 | **24.7** | 24.6 | 24.4 | **24.5** | 24.4 |
| | | 1 | 23 | 23.8 | **24.7** | 24.5 | 24.4 | **24.5** | 24.2 |
| | | 1 | 24 | 23.6 | 24.1 | 24.1 | 23.9 | 23.9 | 23.8 |
| | | 12 | 6 | 23.8 | 24.6 | 24.6 | 24.5 | 24.3 | 24.2 |
| | | 25 | 0 | 23.6 | 24.1 | 24.1 | 24.0 | 23.9 | 23.8 |
| | QPSK | 1 | 0 | 23.1 | 23.7 | 23.6 | 23.5 | 23.5 | 23.4 |
| | | 1 | 1 | 23.9 | 24.7 | **24.7** | 24.4 | **24.5** | 24.4 |
| | | 1 | 23 | 23.8 | 24.6 | 24.6 | 24.3 | 24.4 | 24.4 |
| | | 1 | 24 | 23.1 | 23.6 | 23.6 | 23.3 | 23.4 | 23.2 |
| | | 12 | 6 | 23.8 | 24.6 | 24.5 | 24.4 | 24.4 | 24.3 |
| | | 25 | 0 | 23.1 | 23.6 | 23.6 | 23.4 | 23.4 | 23.3 |
| | 16QAM | 1 | 0 | 22.3 | 22.6 | 22.8 | 22.7 | 22.2 | 22.1 |
| | | 1 | 1 | 23.2 | 23.5 | **23.7** | **23.6** | 23.4 | 23.5 |
| | | 1 | 23 | 22.9 | 23.3 | 23.5 | 23.3 | 23.4 | 23.2 |
| | | 1 | 24 | 22.1 | 22.2 | 22.6 | 22.5 | 22.4 | 22.1 |
| | | 12 | 6 | 23.1 | 23.6 | **23.7** | 23.5 | 23.3 | 23.2 |
| | | 25 | 0 | 22.1 | 22.7 | 22.6 | 22.4 | 22.5 | 22.3 |
| | 64QAM | 1 | 0 | 21.9 | 22.3 | 22.2 | 21.8 | 21.8 | 21.8 |
| | | 1 | 1 | 21.9 | 22.2 | 22.2 | 22.0 | 21.9 | **22.2** |
| | | 1 | 23 | 21.5 | **22.3** | 21.9 | 22.1 | 21.9 | 22.0 |
| | | 1 | 24 | 21.7 | 22.3 | 22.0 | 22.1 | 21.6 | 21.8 |
| | | 12 | 6 | 21.7 | 22.1 | 22.1 | 22.0 | 22.0 | 21.7 |
| | | 25 | 0 | 21.6 | 22.0 | 22.1 | 21.9 | 21.9 | 21.7 |
| | 256QAM | 1 | 0 | 19.6 | **20.3** | 20.0 | 20.2 | 19.9 | 20.1 |
| | | 1 | 1 | 19.5 | 20.2 | 20.1 | 20.1 | 20.0 | **20.2** |
| | | 1 | 23 | 19.8 | 20.0 | 20.2 | 20.0 | 20.0 | 20.0 |
| | | 1 | 24 | 19.8 | 20.1 | 20.2 | 19.8 | 20.2 | 20.1 |
| | | 12 | 6 | 19.7 | 20.1 | 20.1 | 19.9 | 19.9 | 19.8 |
| | | 25 | 0 | 19.7 | 20.2 | 20.1 | 19.9 | 19.9 | 19.8 |

## OUTPUT POWER FOR 5G NR n71 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 133600 | 136600 | 138600 | 133600 | 136600 | 138600 |
| | | | | 668.0 | 683.0 | 693.0 | 668.0 | 683.0 | 693.0 |
| 10.0 | BPSK | 1 | 0 | 24.2 | 24.0 | 24.2 | 23.9 | 23.8 | 23.8 |
| | | 1 | 1 | **24.7** | 24.5 | 24.6 | **24.5** | 24.4 | 24.4 |
| | | 1 | 50 | **24.7** | 24.6 | 24.6 | 24.4 | 24.4 | 24.3 |
| | | 1 | 51 | 24.2 | 24.1 | 24.0 | 23.9 | 23.9 | 23.8 |
| | | 25 | 12 | 24.5 | 24.6 | 24.6 | 24.4 | 24.4 | 24.4 |
| | | 50 | 0 | 24.1 | 24.0 | 24.1 | 23.8 | 23.9 | 23.9 |
| | QPSK | 1 | 0 | 23.6 | 23.6 | 23.6 | 23.4 | 23.4 | 23.3 |
| | | 1 | 1 | 24.6 | 24.6 | 24.6 | 24.4 | 24.3 | 24.3 |
| | | 1 | 50 | 24.6 | 24.6 | 24.5 | 24.4 | 24.3 | 24.2 |
| | | 1 | 51 | 23.6 | 23.7 | 23.5 | 23.3 | 23.4 | 23.3 |
| | | 25 | 12 | 24.6 | 24.6 | **24.7** | 24.3 | 24.4 | **24.5** |
| | | 50 | 0 | 23.5 | 23.5 | 23.6 | 23.3 | 23.4 | 23.4 |
| | 16QAM | 1 | 0 | 22.7 | 22.7 | 22.7 | 22.3 | 22.4 | 22.0 |
| | | 1 | 1 | 23.5 | 23.5 | 23.6 | 23.4 | 23.0 | 23.1 |
| | | 1 | 50 | 23.5 | **23.8** | 23.4 | 23.3 | 23.3 | 23.1 |
| | | 1 | 51 | 22.7 | 22.6 | 22.6 | 22.2 | 22.2 | 22.3 |
| | | 25 | 12 | 23.6 | 23.5 | 23.7 | **23.4** | 23.3 | **23.4** |
| | | 50 | 0 | 22.6 | 22.5 | 22.6 | 22.4 | 22.3 | 22.3 |
| | 64QAM | 1 | 0 | 22.0 | 22.0 | 22.2 | 21.5 | 21.9 | 21.9 |
| | | 1 | 1 | 22.0 | 21.9 | 22.0 | 21.9 | **22.3** | 22.1 |
| | | 1 | 50 | **22.6** | 22.2 | 22.0 | 21.7 | 21.7 | 21.5 |
| | | 1 | 51 | 22.5 | 21.9 | 22.4 | 21.7 | 21.7 | 21.6 |
| | | 25 | 12 | 22.0 | 22.0 | 22.1 | 21.8 | 21.8 | 21.8 |
| | | 50 | 0 | 22.0 | 22.0 | 22.1 | 21.9 | 21.8 | 21.9 |
| | 256QAM | 1 | 0 | **20.5** | 20.1 | 19.8 | 19.9 | **20.2** | 19.8 |
| | | 1 | 1 | 20.1 | 20.2 | 20.1 | 19.9 | 19.9 | 20.1 |
| | | 1 | 50 | 20.5 | 20.3 | 20.3 | 19.8 | 19.8 | 19.7 |
| | | 1 | 51 | 19.9 | 20.1 | 19.9 | 20.1 | 19.9 | 19.4 |
| | | 25 | 12 | 20.1 | 20.2 | 20.1 | 19.8 | 19.9 | 19.8 |
| | | 50 | 0 | 20.0 | 20.1 | 20.2 | 20.0 | 19.9 | 19.9 |



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## OUTPUT POWER FOR 5G NR n71 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 134100 | 136100 | 138100 | 134100 | 136100 | 138100 |
| | | | | 670.5 | 680.5 | 690.5 | 670.5 | 680.5 | 690.5 |
| 15.0 | BPSK | 1 | 0 | 24.1 | 24.1 | 24.1 | 23.9 | 23.9 | 23.8 |
| | | 1 | 1 | 24.6 | 24.6 | 24.6 | 24.3 | 24.4 | 24.3 |
| | | 1 | 77 | 24.7 | 24.6 | 24.5 | 24.3 | 24.2 | 24.2 |
| | | 1 | 78 | 24.1 | 24.2 | 24.0 | 23.8 | 23.8 | 23.7 |
| | | 36 | 18 | 24.5 | 24.5 | **24.7** | **24.4** | 24.3 | 24.3 |
| | | 75 | 0 | 24.1 | 24.1 | 24.2 | 23.9 | 23.9 | 23.9 |
| | QPSK | 1 | 0 | 23.6 | 23.5 | 23.6 | 23.4 | 23.3 | 23.3 |
| | | 1 | 1 | 24.6 | 24.5 | **24.7** | 24.4 | 24.3 | 24.3 |
| | | 1 | 77 | 24.6 | 24.6 | 24.6 | 24.3 | 24.3 | 24.2 |
| | | 1 | 78 | 23.6 | 23.5 | 23.6 | 23.3 | 23.2 | 23.2 |
| | | 36 | 18 | 24.6 | 24.6 | 24.6 | **24.4** | 24.4 | 24.4 |
| | | 75 | 0 | 23.6 | 23.6 | 23.6 | 23.4 | 23.3 | 23.4 |
| | 16QAM | 1 | 0 | 22.7 | 22.7 | 22.5 | 22.3 | 22.3 | 22.2 |
| | | 1 | 1 | 23.4 | 23.6 | 23.4 | 23.3 | 23.2 | 23.3 |
| | | 1 | 77 | 23.4 | 23.5 | 23.6 | **23.6** | 23.0 | 23.2 |
| | | 1 | 78 | 22.7 | 22.4 | 22.3 | 22.7 | 22.2 | 22.1 |
| | | 36 | 18 | **23.7** | **23.7** | 23.5 | 23.4 | 23.4 | 23.4 |
| | | 75 | 0 | 22.6 | 22.6 | 22.7 | 22.5 | 22.4 | 22.3 |
| | 64QAM | 1 | 0 | 22.0 | 22.2 | 21.9 | 22.0 | 21.6 | 22.1 |
| | | 1 | 1 | **22.3** | 22.1 | 22.3 | 22.0 | 21.8 | 22.0 |
| | | 1 | 77 | 22.0 | 22.1 | 22.3 | **22.3** | 21.5 | 21.8 |
| | | 1 | 78 | 22.1 | 22.1 | 22.1 | 22.0 | 21.6 | 21.5 |
| | | 36 | 18 | 22.1 | 22.1 | 22.1 | 21.8 | 21.9 | 21.9 |
| | | 75 | 0 | 22.1 | 22.0 | 22.1 | 21.8 | 21.9 | 21.9 |
| | 256QAM | 1 | 0 | **20.5** | 20.2 | 20.0 | 19.9 | 20.0 | 19.7 |
| | | 1 | 1 | 20.2 | 20.0 | 20.1 | 20.0 | 19.7 | 19.8 |
| | | 1 | 77 | 19.9 | 20.0 | 20.2 | **20.0** | 19.9 | 20.0 |
| | | 1 | 78 | 20.3 | 20.0 | 20.1 | 19.9 | 20.0 | 19.7 |
| | | 36 | 18 | 20.1 | 20.1 | 20.2 | 19.8 | 19.9 | 19.9 |
| | | 75 | 0 | 20.2 | 20.0 | 20.1 | 19.9 | 19.9 | 19.8 |

## OUTPUT POWER FOR 5G NR n71 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 0 | | | ANT 1 | | |
| | | | | 134600 | 136600 | 137600 | 134600 | 136600 | 137600 |
| | | | | 673.0 | 683.0 | 688.0 | 673.0 | 683.0 | 688.0 |
| 20.0 | BPSK | 1 | 0 | 24.2 | 24.1 | 24.2 | 24.0 | 23.9 | 23.9 |
| | | 1 | 1 | 24.6 | 24.6 | 24.6 | 24.4 | 24.5 | **24.5** |
| | | 1 | 104 | 24.6 | **24.7** | 24.6 | 24.4 | 24.4 | 24.2 |
| | | 1 | 105 | 24.0 | 24.1 | 24.1 | 23.9 | 23.9 | 23.8 |
| | | 50 | 25 | 24.6 | 24.6 | 24.6 | 24.4 | 24.3 | 24.3 |
| | | 100 | 0 | 24.1 | 24.0 | 24.0 | 23.9 | 23.8 | 23.8 |
| | QPSK | 1 | 0 | 23.7 | 23.7 | 23.6 | 23.4 | 23.4 | 23.4 |
| | | 1 | 1 | **24.7** | 24.7 | 24.6 | **24.4** | 24.4 | 24.3 |
| | | 1 | 104 | 24.6 | 24.7 | 24.6 | 24.3 | 24.4 | 24.2 |
| | | 1 | 105 | 23.6 | 23.7 | 23.5 | 23.3 | 23.4 | 23.3 |
| | | 50 | 25 | 24.7 | 24.6 | 24.6 | 24.4 | 24.3 | 24.3 |
| | | 100 | 0 | 23.6 | 23.5 | 23.5 | 23.4 | 23.3 | 23.4 |
| | 16QAM | 1 | 0 | 22.7 | 22.7 | 22.5 | 22.6 | 22.5 | 22.5 |
| | | 1 | 1 | 23.7 | 23.5 | **23.7** | **23.6** | 23.4 | 23.6 |
| | | 1 | 104 | 23.6 | 23.5 | 23.5 | 23.3 | 23.5 | 23.1 |
| | | 1 | 105 | 22.2 | 22.7 | 22.4 | 22.1 | 22.2 | 22.1 |
| | | 50 | 25 | 23.6 | 23.6 | 23.5 | 23.4 | 23.3 | 23.3 |
| | | 100 | 0 | 22.5 | 22.6 | 22.5 | 22.4 | 22.4 | 22.3 |
| | 64QAM | 1 | 0 | 22.3 | 22.0 | 21.8 | 22.0 | 21.7 | 22.0 |
| | | 1 | 1 | **22.4** | 22.0 | 22.3 | 21.9 | **22.2** | 21.7 |
| | | 1 | 104 | 22.3 | 22.0 | 22.3 | 21.8 | 21.6 | 21.8 |
| | | 1 | 105 | 22.3 | 22.1 | 22.0 | 21.7 | 21.7 | 21.7 |
| | | 50 | 25 | 22.0 | 22.1 | 22.1 | 21.8 | 21.9 | 21.8 |
| | | 100 | 0 | 22.1 | 22.1 | 22.0 | 21.9 | 21.8 | 21.8 |
| | 256QAM | 1 | 0 | 19.8 | 20.0 | 20.2 | 19.8 | 19.9 | 19.8 |
| | | 1 | 1 | 19.9 | 20.3 | 20.0 | 20.0 | 20.0 | 20.0 |
| | | 1 | 104 | 20.1 | 20.1 | 19.9 | 20.0 | 20.0 | 19.8 |
| | | 1 | 105 | 20.4 | 20.3 | **20.5** | **20.3** | 19.9 | 19.7 |
| | | 50 | 25 | 20.1 | 20.0 | 20.0 | 19.9 | 19.9 | 19.8 |
| | | 100 | 0 | 20.1 | 20.0 | 20.0 | 20.0 | 19.9 | 19.8 |



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# 8.17. 5G NR n77 (Part 27 3450-3550MHz)

| Test Engineer ID: | 32934IG, 27979HN and 27966PV | Test Date: | 2024-03-08 to 2024-03-26 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 630333 | 633332 | 636333 | 630333 | 633332 | 636333 | 630333 | 633332 | 636333 | 630333 | 633332 | 636333 |
| | | | | 3455.0 | 3500.0 | 3545.0 | 3455.0 | 3500.0 | 3545.0 | 3455.0 | 3500.0 | 3545.0 | 3455.0 | 3500.0 | 3545.0 |
| 10.0 | BPSK | 1 | 0 | 24.3 | 24.3 | 23.9 | 22.7 | 22.8 | 22.6 | 24.2 | 24.0 | 23.8 | 23.4 | 23.5 | 23.2 |
| | | 1 | 1 | **24.9** | 24.8 | 24.4 | **23.4** | 23.2 | 23.0 | 24.5 | 24.5 | 24.5 | 24.1 | **24.1** | 23.8 |
| | | 1 | 22 | 24.9 | 24.7 | 24.4 | 23.4 | 23.3 | 23.0 | **24.6** | 24.4 | 24.4 | 24.0 | **24.1** | 23.8 |
| | | 1 | 23 | 24.3 | 24.2 | 24.1 | 22.9 | 22.7 | 22.5 | 24.2 | 24.1 | 23.9 | 23.6 | 23.5 | 23.3 |
| | | 12 | 6 | 24.8 | 24.8 | 24.5 | 23.3 | 23.3 | 23.0 | 24.6 | 24.5 | 24.4 | 24.0 | 24.0 | 23.8 |
| | | 24 | 0 | 24.4 | 24.2 | 23.9 | 22.9 | 22.7 | 22.5 | 24.0 | 24.0 | 23.9 | 23.6 | 23.6 | 23.3 |
| | QPSK | 1 | 0 | 23.8 | 23.6 | 23.4 | 22.4 | 22.3 | 21.9 | 23.5 | 23.5 | 23.3 | 22.9 | 23.2 | 22.7 |
| | | 1 | 1 | **24.9** | 24.8 | 24.5 | 23.3 | 23.3 | 23.0 | 24.6 | 24.5 | 24.4 | 24.0 | **24.2** | 23.8 |
| | | 1 | 22 | 24.9 | 24.7 | 24.4 | **23.4** | 23.1 | 22.9 | **24.6** | 24.5 | 24.4 | 24.1 | 24.0 | 23.8 |
| | | 1 | 23 | 23.8 | 23.6 | 23.4 | 22.3 | 22.2 | 22.0 | 23.6 | 23.6 | 23.3 | 23.1 | 23.0 | 22.8 |
| | | 12 | 6 | 24.8 | 24.7 | 24.4 | 23.3 | 23.2 | 23.0 | 24.6 | 24.5 | 24.4 | 24.2 | 24.0 | 23.8 |
| | | 24 | 0 | 23.8 | 23.7 | 23.4 | 22.3 | 22.3 | 22.0 | 23.7 | 23.4 | 23.3 | 23.0 | 23.1 | 22.7 |
| | 16QAM | 1 | 0 | 23.0 | 22.6 | 22.6 | 21.2 | 21.3 | 20.7 | 22.6 | 22.6 | 22.7 | 22.0 | 22.2 | 21.7 |
| | | 1 | 1 | **23.9** | 23.6 | 23.1 | 22.3 | 22.2 | 22.0 | 23.7 | 23.4 | 23.4 | 22.9 | 22.9 | 22.6 |
| | | 1 | 22 | 23.7 | 23.6 | 23.7 | 22.2 | 22.1 | 21.9 | 23.2 | **23.7** | 23.2 | 23.0 | 23.1 | 22.7 |
| | | 1 | 23 | 22.6 | 23.1 | 22.4 | 21.1 | 21.1 | 20.9 | 22.6 | 22.4 | 22.1 | 22.2 | 21.9 | 21.6 |
| | | 12 | 6 | 23.9 | 23.7 | 23.4 | **22.5** | 22.3 | 22.0 | **23.7** | 23.5 | 23.5 | **23.2** | 23.0 | 22.9 |
| | | 24 | 0 | 22.8 | 22.7 | 22.4 | 21.4 | 21.2 | 21.0 | 22.6 | 22.5 | 22.4 | 22.1 | 22.1 | 21.7 |
| | 64QAM | 1 | 0 | **22.6** | 22.2 | 21.9 | **21.2** | 20.7 | 20.8 | **22.2** | 22.0 | 22.1 | 21.3 | 21.9 | 21.3 |
| | | 1 | 1 | 22.2 | 22.3 | 22.0 | 20.7 | 20.7 | 20.6 | 22.1 | 21.9 | 21.8 | 21.5 | 21.5 | 21.2 |
| | | 1 | 22 | 22.2 | 22.3 | 22.0 | 20.8 | 20.5 | 20.8 | 22.1 | 21.9 | 21.7 | 21.5 | **22.0** | 21.3 |
| | | 1 | 23 | 22.4 | 22.4 | 21.8 | 20.6 | 20.6 | 20.8 | 22.1 | 21.9 | 21.9 | 21.4 | 21.9 | 21.4 |
| | | 12 | 6 | 22.2 | 22.2 | 22.0 | 20.8 | 20.7 | 20.6 | 22.1 | 22.0 | 21.9 | 21.4 | 21.6 | 21.1 |
| | | 24 | 0 | 22.3 | 22.2 | 21.8 | 20.9 | 20.8 | 20.4 | 22.1 | 22.0 | 21.9 | 21.6 | 21.6 | 21.3 |
| | 256QAM | 1 | 0 | 20.2 | 20.3 | 19.9 | 18.8 | 18.8 | 18.6 | 20.0 | 20.1 | 19.9 | 19.7 | 19.5 | 19.3 |
| | | 1 | 1 | 20.3 | 20.2 | 19.9 | 18.5 | 18.5 | **18.9** | 19.9 | 20.0 | 19.7 | 19.7 | 19.7 | 19.1 |
| | | 1 | 22 | **20.6** | 20.2 | 19.9 | 18.8 | 18.4 | 18.8 | 20.0 | 20.0 | 20.0 | 19.4 | 19.4 | 19.1 |
| | | 1 | 23 | 20.1 | 20.2 | 19.9 | 18.7 | 18.4 | 18.8 | 20.1 | **20.2** | 19.7 | **19.8** | 19.7 | 19.4 |
| | | 12 | 6 | 20.3 | 20.3 | 19.9 | 18.9 | 18.8 | 18.5 | 20.0 | 20.0 | 19.8 | 19.5 | 19.5 | 19.2 |
| | | 24 | 0 | 20.3 | 20.3 | 20.2 | 18.8 | 18.7 | 18.5 | 20.1 | 19.9 | 19.9 | 19.6 | 19.5 | 19.3 |

## OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 630500 | 633332 | 636166 | 630500 | 633332 | 636166 | 630500 | 633332 | 636166 | 630500 | 633332 | 636166 |
| | | | | 3457.5 | 3500.0 | 3542.5 | 3457.5 | 3500.0 | 3542.5 | 3457.5 | 3500.0 | 3542.5 | 3457.5 | 3500.0 | 3542.5 |
| 15.0 | BPSK | 1 | 0 | 24.3 | 24.3 | 23.9 | 22.9 | 22.7 | 22.5 | 24.0 | 24.1 | 23.9 | 23.6 | 24.1 | 23.3 |
| | | 1 | 1 | 24.8 | 24.8 | 24.5 | 23.4 | 23.3 | 23.0 | 24.5 | 24.5 | 24.3 | 24.1 | 24.1 | 23.8 |
| | | 1 | 36 | 24.8 | 24.7 | 24.5 | **23.4** | 23.3 | 23.1 | **24.6** | **24.6** | 24.3 | 24.1 | 24.1 | 23.8 |
| | | 1 | 37 | 24.3 | 24.2 | 23.9 | 22.9 | 22.6 | 22.6 | 24.0 | 24.0 | 23.9 | 23.6 | 23.6 | 23.4 |
| | | 18 | 9 | **24.9** | 24.7 | 24.4 | 23.3 | 23.2 | 23.1 | 24.5 | 24.5 | 24.4 | **24.2** | 24.1 | 23.9 |
| | | 36 | 0 | 24.4 | 24.1 | 23.9 | 23.0 | 22.8 | 22.6 | 24.0 | 24.0 | 23.9 | 23.7 | 23.6 | 23.3 |
| | QPSK | 1 | 0 | 23.8 | 23.8 | 23.5 | 22.3 | 22.2 | 22.0 | 23.4 | 23.5 | 23.4 | 23.0 | 23.2 | 22.8 |
| | | 1 | 1 | 24.8 | 24.8 | 24.6 | 23.3 | 23.3 | 23.1 | 24.4 | **24.7** | 24.3 | 24.1 | 24.0 | 23.8 |
| | | 1 | 36 | **24.8** | 24.6 | 24.5 | 23.3 | 23.1 | 23.1 | 24.5 | 24.6 | 24.4 | **24.1** | 24.1 | 23.8 |
| | | 1 | 37 | 23.8 | 23.5 | 23.5 | 22.3 | 22.2 | 22.0 | 23.6 | 23.5 | 23.4 | 23.2 | 23.1 | 22.6 |
| | | 18 | 9 | 24.8 | 24.8 | 24.4 | **23.4** | 23.3 | 23.1 | 24.4 | 24.5 | 24.4 | 24.1 | 24.1 | 23.7 |
| | | 36 | 0 | 23.8 | 23.7 | 23.5 | 22.4 | 22.2 | 22.1 | 23.6 | 23.5 | 23.4 | 23.2 | 23.0 | 22.8 |
| | 16QAM | 1 | 0 | 22.8 | 22.5 | 22.3 | 21.1 | 21.3 | 21.1 | 22.4 | 22.8 | 22.5 | 22.2 | 22.3 | 21.5 |
| | | 1 | 1 | 23.7 | 23.6 | 23.5 | 22.0 | 22.2 | 22.0 | 23.3 | 23.3 | 23.4 | 23.0 | **23.2** | 22.5 |
| | | 1 | 36 | 23.8 | 23.6 | 23.5 | **22.5** | 22.2 | 22.0 | 23.4 | 23.5 | 23.5 | 23.1 | 23.2 | 22.8 |
| | | 1 | 37 | 22.7 | 22.6 | 22.6 | 21.3 | 20.9 | 21.1 | 22.5 | 22.4 | 22.3 | 22.0 | 22.0 | 21.6 |
| | | 18 | 9 | **23.9** | 23.8 | 23.5 | 22.4 | 22.3 | 21.9 | 23.4 | **23.6** | 23.3 | 23.2 | 23.0 | 22.8 |
| | | 36 | 0 | 22.9 | 22.8 | 22.5 | 21.3 | 21.2 | 21.0 | 22.4 | 22.4 | 22.3 | 22.1 | 22.0 | 21.8 |
| | 64QAM | 1 | 0 | 22.1 | 22.3 | 22.0 | 20.7 | 20.9 | 20.4 | 22.2 | 21.9 | 22.1 | 21.5 | 21.6 | 21.6 |
| | | 1 | 1 | 22.2 | 22.4 | 22.0 | 20.8 | 20.9 | 20.7 | 21.7 | 22.0 | 22.2 | 21.3 | 21.6 | 21.5 |
| | | 1 | 36 | **22.5** | 22.1 | 22.1 | **21.0** | 20.8 | 20.7 | **22.3** | 22.2 | 22.0 | 21.6 | 21.6 | **21.7** |
| | | 1 | 37 | 22.3 | 22.2 | 22.0 | 21.0 | 20.8 | 20.7 | 21.6 | 22.0 | 21.9 | 21.5 | 21.5 | 21.4 |
| | | 18 | 9 | 22.3 | 22.2 | 22.0 | 20.8 | 20.7 | 20.4 | 21.9 | 22.0 | 21.9 | 21.6 | 21.6 | 21.3 |
| | | 36 | 0 | 22.3 | 22.2 | 21.9 | 20.8 | 20.7 | 20.4 | 22.0 | 21.9 | 21.9 | 21.6 | 21.6 | 21.2 |
| | 256QAM | 1 | 0 | 20.3 | 20.6 | 19.7 | **19.1** | 18.7 | 18.7 | 19.9 | 20.0 | 20.0 | 19.4 | 19.6 | 19.2 |
| | | 1 | 1 | **20.6** | 20.5 | 19.7 | 19.1 | 18.8 | 18.8 | 19.8 | 20.0 | 19.9 | 19.7 | 19.6 | 19.4 |
| | | 1 | 36 | 20.1 | 20.3 | 20.1 | 19.0 | 18.7 | 18.7 | 20.1 | 20.0 | 20.0 | 19.8 | 19.5 | 19.2 |
| | | 1 | 37 | 20.5 | 20.4 | 20.1 | 19.0 | 18.7 | 18.8 | 19.9 | 19.6 | **20.1** | **19.8** | 19.4 | 19.2 |
| | | 18 | 9 | 20.3 | 20.2 | 19.9 | 18.9 | 18.7 | 18.4 | 20.1 | 20.0 | 20.0 | 19.6 | 19.6 | 19.3 |
| | | 36 | 0 | 20.3 | 20.2 | 20.3 | 18.9 | 18.6 | 18.4 | 20.0 | 20.0 | 19.9 | 19.7 | 19.6 | 19.3 |



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## OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 630666 | 633332 | 635998 | 630666 | 633332 | 635998 | 630666 | 633332 | 635998 | 630666 | 633332 | 635998 |
| | | | | 3460.0 | 3500.0 | 3540.0 | 3460.0 | 3500.0 | 3540.0 | 3460.0 | 3500.0 | 3540.0 | 3460.0 | 3500.0 | 3540.0 |
| 20.0 | BPSK | 1 | 0 | 24.3 | 24.3 | 24.0 | 22.8 | 22.7 | 22.5 | 24.0 | 23.9 | 23.8 | 23.6 | 23.6 | 23.4 |
| | | 1 | 1 | 24.8 | 24.9 | 24.5 | **23.4** | 23.2 | 23.0 | 24.5 | 24.5 | 24.3 | 24.1 | 24.2 | 23.8 |
| | | 1 | 49 | **25.0** | 24.7 | 24.4 | 23.3 | 23.1 | 23.1 | 24.6 | 24.4 | 24.3 | **24.2** | 24.0 | 23.7 |
| | | 1 | 50 | 24.5 | 24.1 | 23.9 | 22.8 | 22.6 | 22.6 | 24.1 | 23.9 | 23.8 | 23.7 | 23.5 | 23.3 |
| | | 25 | 12 | 24.9 | 24.6 | 24.5 | 23.3 | 23.2 | 23.1 | 24.5 | **24.6** | 24.4 | 24.1 | 24.2 | 23.8 |
| | | 50 | 0 | 24.3 | 24.2 | 24.0 | 22.9 | 22.8 | 22.6 | 24.1 | 24.1 | 23.8 | 23.7 | 23.6 | 23.2 |
| | QPSK | 1 | 0 | 23.9 | 23.8 | 23.3 | 22.4 | 22.4 | 22.0 | 23.4 | 23.6 | 23.3 | 23.1 | 23.1 | 22.7 |
| | | 1 | 1 | 24.8 | **24.9** | 24.4 | 23.2 | 23.3 | 23.0 | 24.6 | 24.5 | 24.3 | 24.0 | 24.2 | 23.8 |
| | | 1 | 49 | 24.9 | 24.6 | 24.4 | 23.3 | 23.1 | 23.0 | 24.5 | 24.4 | 24.3 | 24.2 | 24.0 | 23.8 |
| | | 1 | 50 | 23.9 | 23.7 | 23.4 | 22.5 | 22.1 | 22.1 | 23.6 | 23.5 | 23.3 | 23.2 | 23.0 | 22.8 |
| | | 25 | 12 | 24.9 | 24.8 | 24.5 | **23.5** | 23.2 | 23.1 | 24.5 | **24.6** | 24.4 | **24.2** | 24.2 | 23.8 |
| | | 50 | 0 | 23.8 | 23.6 | 23.4 | 22.4 | 22.2 | 22.0 | 23.6 | 23.4 | 23.4 | 23.2 | 23.1 | 22.8 |
| | 16QAM | 1 | 0 | 23.0 | 23.2 | 22.5 | 21.2 | 21.4 | 20.8 | 22.3 | 22.6 | 22.2 | 22.1 | 22.0 | 21.9 |
| | | 1 | 1 | 23.7 | **23.8** | 23.2 | 22.3 | 22.3 | 22.0 | **23.8** | 23.6 | 23.3 | 23.0 | 23.2 | 22.9 |
| | | 1 | 49 | 23.7 | 23.6 | 23.6 | **22.3** | 22.2 | 21.8 | 23.6 | 23.4 | 23.5 | **23.2** | 22.9 | 22.9 |
| | | 1 | 50 | 22.9 | 23.3 | 22.4 | 21.4 | 20.9 | 21.0 | 22.4 | 22.4 | 22.5 | 22.3 | 21.9 | 21.7 |
| | | 25 | 12 | **23.8** | 23.7 | 23.4 | 22.3 | 22.1 | 22.0 | 23.6 | 23.6 | 23.4 | 23.2 | 23.1 | 22.8 |
| | | 50 | 0 | 22.8 | 22.6 | 22.4 | 21.4 | 21.3 | 21.0 | 22.5 | 22.5 | 22.3 | 22.2 | 22.1 | 21.8 |
| | 64QAM | 1 | 0 | 22.4 | 22.1 | 22.0 | 20.9 | 20.8 | 20.2 | **22.1** | 22.0 | 22.1 | 21.5 | 21.7 | 21.5 |
| | | 1 | 1 | 22.4 | 22.2 | 22.0 | 20.9 | 20.8 | 20.3 | 21.8 | 21.8 | 21.9 | 21.3 | 21.7 | 21.4 |
| | | 1 | 49 | **22.7** | 22.6 | 21.7 | **21.0** | 20.7 | 20.2 | 22.1 | 21.6 | 22.0 | 21.6 | 21.5 | 21.2 |
| | | 1 | 50 | 22.4 | 22.0 | 22.3 | 21.0 | 20.6 | 20.3 | 22.1 | 22.0 | 22.1 | **22.0** | 21.5 | 21.5 |
| | | 25 | 12 | 22.4 | 22.2 | 22.0 | 20.9 | 20.8 | 20.5 | 22.0 | 22.0 | 21.9 | 21.7 | 21.5 | 21.3 |
| | | 50 | 0 | 22.4 | 22.2 | 21.9 | 20.9 | 20.7 | 20.6 | 22.0 | 22.0 | 21.9 | 21.7 | 21.7 | 21.3 |
| | 256QAM | 1 | 0 | 20.2 | 20.4 | 19.9 | 18.8 | 18.7 | 18.5 | 20.0 | 20.0 | 19.9 | 19.4 | 19.5 | 19.4 |
| | | 1 | 1 | **20.7** | 20.4 | 19.9 | 18.8 | 18.8 | 18.8 | 19.9 | 20.0 | 20.0 | 19.4 | 19.5 | 19.4 |
| | | 1 | 49 | 20.2 | 20.1 | 19.7 | 18.8 | **19.0** | 18.6 | **20.2** | 19.9 | 19.6 | 19.9 | 19.4 | 19.6 |
| | | 1 | 50 | 20.6 | 20.3 | 19.9 | 18.8 | 18.9 | 18.5 | 20.0 | 20.0 | 19.6 | **20.0** | 19.3 | 19.3 |
| | | 25 | 12 | 20.3 | 20.2 | 19.9 | 18.9 | 18.6 | 18.5 | 20.0 | 19.9 | 19.8 | 19.7 | 19.5 | 19.3 |
| | | 50 | 0 | 20.3 | 20.2 | 20.4 | 18.8 | 18.8 | 18.5 | 19.9 | 19.9 | 19.9 | 19.5 | 19.7 | 19.2 |

## OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 630833 | 633332 | 635833 | 630833 | 633332 | 635833 | 630833 | 633332 | 635833 | 630833 | 633332 | 635833 |
| | | | | 3462.5 | 3500.0 | 3537.5 | 3462.5 | 3500.0 | 3537.5 | 3462.5 | 3500.0 | 3537.5 | 3462.5 | 3500.0 | 3537.5 |
| 25.0 | BPSK | 1 | 0 | 24.3 | 24.3 | 24.0 | 22.8 | 22.9 | 22.5 | 24.1 | 24.1 | 23.9 | 23.7 | 23.6 | 23.4 |
| | | 1 | 1 | 24.9 | 24.8 | 24.5 | 23.4 | 23.3 | 23.1 | **24.6** | 24.6 | 24.4 | 24.1 | **24.2** | 24.0 |
| | | 1 | 63 | **24.9** | 24.6 | 24.4 | 23.4 | 23.2 | 23.0 | 24.5 | 24.5 | 24.5 | 24.2 | 24.0 | 23.9 |
| | | 1 | 64 | 24.4 | 24.1 | 24.0 | 23.0 | 22.6 | 22.5 | 24.0 | 24.1 | 24.0 | 23.9 | 23.5 | 23.4 |
| | | 32 | 16 | 24.8 | 24.8 | 24.5 | **23.4** | 23.2 | 23.1 | 24.6 | 24.5 | 24.4 | **24.2** | 24.2 | 23.9 |
| | | 64 | 0 | 24.3 | 24.2 | 24.0 | 22.9 | 22.7 | 22.6 | 24.1 | 24.1 | 23.9 | 23.7 | 23.5 | 23.4 |
| | QPSK | 1 | 0 | 23.9 | 23.9 | 23.6 | 22.5 | 22.4 | 22.0 | 23.5 | 23.6 | 23.4 | 23.1 | 23.3 | 22.9 |
| | | 1 | 1 | 24.8 | 24.8 | 24.5 | 23.4 | 23.3 | 23.1 | 24.5 | 24.6 | 24.5 | 24.1 | 24.2 | 23.8 |
| | | 1 | 63 | **24.9** | 24.7 | 24.5 | **23.4** | 23.2 | 23.1 | 24.6 | 24.6 | 24.6 | **24.3** | 24.0 | 23.9 |
| | | 1 | 64 | 23.9 | 23.7 | 23.5 | 22.4 | 22.1 | 22.1 | 23.7 | 23.5 | 23.5 | 23.3 | 23.0 | 22.9 |
| | | 32 | 16 | 24.8 | 24.7 | 24.5 | 23.4 | 23.3 | 23.1 | 24.6 | **24.6** | 24.4 | 24.2 | 24.0 | 23.9 |
| | | 64 | 0 | 23.9 | 23.8 | 23.4 | 22.5 | 22.2 | 22.1 | 23.5 | 23.5 | 23.6 | 23.2 | 23.2 | 22.9 |
| | 16QAM | 1 | 0 | 22.6 | 23.1 | 22.6 | 21.4 | 21.4 | 21.0 | 22.3 | 22.6 | 22.6 | 22.3 | 22.2 | 21.8 |
| | | 1 | 1 | 23.6 | 23.7 | 23.5 | 22.5 | 22.2 | 21.9 | 23.4 | 23.5 | 23.3 | 23.2 | 23.1 | 23.1 |
| | | 1 | 63 | 23.8 | 23.5 | 23.5 | **22.6** | 22.3 | 21.9 | **23.8** | 23.5 | 23.7 | 23.2 | 23.0 | 22.9 |
| | | 1 | 64 | 22.8 | 22.6 | 22.7 | 21.5 | 21.1 | 20.9 | 22.8 | 22.4 | 22.6 | 22.4 | 22.1 | 21.8 |
| | | 32 | 16 | **23.9** | 23.7 | 23.5 | 22.4 | 22.2 | 22.0 | 23.5 | 23.6 | 23.5 | **23.2** | 23.1 | 22.8 |
| | | 64 | 0 | 22.8 | 22.7 | 22.5 | 21.3 | 21.2 | 21.0 | 22.5 | 22.6 | 22.4 | 22.1 | 22.0 | 21.8 |
| | 64QAM | 1 | 0 | 22.3 | **22.6** | 22.0 | 20.8 | 20.9 | 20.7 | 21.8 | **22.3** | 21.7 | 21.6 | **21.9** | 21.5 |
| | | 1 | 1 | 22.3 | 22.2 | 22.0 | 20.6 | **21.1** | 20.4 | 22.0 | 22.3 | 21.9 | 21.6 | 21.8 | 21.3 |
| | | 1 | 63 | 22.4 | 22.2 | 22.0 | 20.6 | 20.6 | 20.6 | 22.0 | 22.1 | 22.2 | 21.6 | 21.7 | 21.5 |
| | | 1 | 64 | 22.4 | 22.2 | 21.9 | 20.8 | 20.8 | 20.5 | 22.0 | 22.1 | 22.0 | 21.7 | 21.6 | 21.4 |
| | | 32 | 16 | 22.3 | 22.2 | 21.9 | 20.8 | 20.8 | 20.5 | 22.0 | 22.1 | 21.9 | 21.7 | 21.7 | 21.3 |
| | | 64 | 0 | 22.3 | 22.2 | 22.1 | 20.8 | 20.6 | 20.5 | 22.1 | 22.1 | 21.9 | 21.8 | 21.6 | 21.4 |
| | 256QAM | 1 | 0 | 20.3 | 20.3 | 19.8 | 18.8 | 19.1 | 18.4 | **20.2** | 20.0 | 19.9 | 19.6 | 19.6 | 19.5 |
| | | 1 | 1 | 20.2 | 20.3 | 20.3 | 19.0 | 19.1 | 18.4 | 20.2 | 20.1 | 20.0 | 19.6 | 19.6 | 19.4 |
| | | 1 | 63 | 20.3 | 19.8 | 20.1 | 19.2 | 18.8 | 18.8 | 20.1 | 20.2 | 20.1 | 19.5 | 19.5 | 19.4 |
| | | 1 | 64 | **20.8** | 20.3 | 20.1 | **19.2** | 18.9 | 18.6 | 20.1 | 20.1 | 20.2 | 19.5 | 19.5 | 19.4 |
| | | 32 | 16 | 20.3 | 20.1 | 19.9 | 18.9 | 18.7 | 18.5 | 20.2 | 20.1 | 19.9 | **19.7** | 19.6 | 19.3 |
| | | 64 | 0 | 20.3 | 20.3 | 20.3 | 18.9 | 18.7 | 18.5 | 20.1 | 20.0 | 19.9 | **19.7** | 19.6 | 19.2 |



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## OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 631000 | 633332 | 635666 | 631000 | 633332 | 635666 | 631000 | 633332 | 635666 | 631000 | 633332 | 635666 |
| | | | | 3465.0 | 3500.0 | 3535.0 | 3465.0 | 3500.0 | 3535.0 | 3465.0 | 3500.0 | 3535.0 | 3465.0 | 3500.0 | 3535.0 |
| 30.0 | BPSK | 1 | 0 | 23.7 | 23.7 | 23.4 | 22.8 | 22.8 | 22.5 | 24.1 | 24.0 | 23.8 | 23.5 | 23.6 | 23.4 |
| | | 1 | 1 | 24.1 | 24.3 | 23.9 | 23.3 | 23.4 | 23.0 | **24.7** | 24.6 | 24.4 | 24.1 | 24.1 | 24.0 |
| | | 1 | 76 | **24.4** | 24.0 | 24.0 | 23.4 | 23.0 | 23.1 | 24.6 | 24.4 | 24.5 | 24.2 | 24.0 | 23.8 |
| | | 1 | 77 | 23.8 | 23.4 | 23.3 | 22.9 | 22.7 | 22.5 | 24.1 | 24.0 | 24.0 | 23.8 | 23.6 | 23.3 |
| | | 36 | 18 | 24.3 | 24.3 | 24.0 | **23.5** | 23.2 | 22.9 | 24.6 | 24.6 | 24.4 | **24.3** | 24.2 | 23.7 |
| | | 75 | 0 | 23.8 | 23.7 | 23.5 | 22.8 | 22.8 | 22.5 | 24.0 | 24.1 | 23.9 | 23.7 | 23.7 | 23.3 |
| | QPSK | 1 | 0 | 23.2 | 23.2 | 23.0 | 22.2 | 22.2 | 22.0 | 23.4 | 23.5 | 23.5 | 23.1 | 23.3 | 22.7 |
| | | 1 | 1 | 24.3 | 24.3 | 23.9 | 23.3 | 23.3 | 22.9 | 24.5 | **24.7** | 24.3 | 24.1 | 24.2 | 23.7 |
| | | 1 | 76 | 24.2 | 24.1 | 23.8 | 23.3 | 23.0 | 23.0 | 24.5 | 24.4 | 24.5 | 24.2 | 24.1 | 23.8 |
| | | 1 | 77 | 23.4 | 23.0 | 23.0 | 22.4 | 22.1 | 22.0 | 23.4 | 23.5 | 23.5 | 23.2 | 23.1 | 22.8 |
| | | 36 | 18 | **24.3** | 24.2 | 24.0 | **23.4** | 23.3 | 23.0 | 24.6 | 24.6 | 24.4 | **24.2** | 24.2 | 23.8 |
| | | 75 | 0 | 23.3 | 23.2 | 23.0 | 22.4 | 22.2 | 22.0 | 23.6 | 23.5 | 23.5 | 23.2 | 23.0 | 22.9 |
| | 16QAM | 1 | 0 | 22.4 | 22.4 | 22.0 | 21.4 | 21.6 | 21.0 | 22.6 | 22.5 | 22.5 | 22.0 | 22.1 | 21.7 |
| | | 1 | 1 | 22.7 | **23.3** | 23.1 | 22.1 | **22.6** | 22.0 | 23.8 | 23.6 | 23.3 | 22.9 | 23.0 | 22.9 |
| | | 1 | 76 | 23.0 | 23.1 | 23.0 | 22.3 | 21.9 | 22.1 | **24.0** | 23.4 | 23.4 | **23.4** | 23.2 | 22.6 |
| | | 1 | 77 | 22.6 | 21.9 | 21.9 | 21.7 | 21.4 | 21.1 | 22.5 | 22.4 | 22.5 | 22.2 | 21.9 | 21.8 |
| | | 36 | 18 | **23.3** | 23.3 | 22.9 | 22.5 | 22.2 | 22.1 | 23.6 | 23.6 | 23.5 | 23.2 | 23.1 | 22.9 |
| | | 75 | 0 | 22.3 | 22.2 | 22.0 | 21.3 | 21.3 | 21.1 | 22.5 | 22.6 | 22.4 | 22.2 | 22.1 | 21.8 |
| | 64QAM | 1 | 0 | 21.8 | **22.2** | 21.3 | 20.9 | 20.9 | 20.5 | 22.0 | **22.2** | 21.9 | 21.6 | **21.8** | 21.3 |
| | | 1 | 1 | 21.9 | 21.9 | 21.3 | 21.0 | 20.8 | 20.4 | 22.0 | 22.1 | 22.0 | 21.6 | 21.6 | 21.5 |
| | | 1 | 76 | 21.7 | 21.7 | 21.8 | **21.3** | 20.6 | 20.4 | 21.9 | 22.0 | 21.9 | 21.8 | 21.6 | 21.5 |
| | | 1 | 77 | 21.6 | 21.1 | 21.3 | 20.9 | 20.6 | 20.6 | 22.1 | 21.9 | 21.9 | 21.7 | 21.5 | 21.5 |
| | | 36 | 18 | 21.8 | 21.7 | 21.4 | 20.9 | 20.8 | 20.4 | 22.0 | 22.1 | 21.8 | 21.7 | 21.7 | 21.3 |
| | | 75 | 0 | 21.8 | 21.7 | 21.4 | 20.9 | 20.6 | 20.5 | 22.1 | 22.1 | 21.9 | 21.7 | 21.6 | 21.3 |
| | 256QAM | 1 | 0 | 19.9 | 19.8 | 19.6 | 18.8 | 18.8 | 18.3 | 20.2 | 20.0 | 19.8 | 19.7 | 20.1 | 19.4 |
| | | 1 | 1 | 19.7 | 19.8 | 19.6 | 18.8 | 18.9 | 18.6 | 19.9 | 19.9 | 20.1 | 19.8 | 19.8 | 19.4 |
| | | 1 | 76 | **20.0** | 19.6 | 19.6 | 18.8 | 18.7 | 18.5 | 20.1 | 19.8 | 19.8 | **20.1** | 19.6 | 19.4 |
| | | 1 | 77 | 19.8 | 19.3 | 19.6 | 18.8 | **19.0** | 18.5 | **20.2** | 19.9 | 20.0 | 19.9 | 19.8 | 19.4 |
| | | 36 | 18 | 19.7 | 19.6 | 19.5 | 18.9 | 18.7 | 18.5 | 19.9 | 20.1 | 19.9 | 19.7 | 19.6 | 19.4 |
| | | 75 | 0 | 19.8 | 19.5 | 19.5 | 18.9 | 18.7 | 18.6 | 20.0 | 20.1 | 19.8 | 19.7 | 19.6 | 19.3 |

## OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 631332 | 633332 | 635332 | 631332 | 633332 | 635332 | 631332 | 633332 | 635332 | 631332 | 633332 | 635332 |
| | | | | 3470.0 | 3500.0 | 3530.0 | 3470.0 | 3500.0 | 3530.0 | 3470.0 | 3500.0 | 3530.0 | 3470.0 | 3500.0 | 3530.0 |
| 40.0 | BPSK | 1 | 0 | 23.8 | 23.8 | 23.5 | 22.9 | 22.8 | 22.7 | 24.0 | 24.1 | 23.9 | 23.6 | 23.6 | 23.5 |
| | | 1 | 1 | 24.2 | **24.3** | 24.0 | 23.4 | 23.3 | 23.0 | 24.7 | 24.6 | 24.5 | 24.2 | 24.2 | 24.1 |
| | | 1 | 104 | 24.2 | 24.0 | 24.0 | 23.4 | 23.0 | 23.1 | 24.6 | 24.5 | 24.4 | 24.2 | 24.0 | 23.9 |
| | | 1 | 105 | 23.7 | 23.4 | 23.6 | 22.9 | 22.6 | 22.6 | 24.0 | 24.1 | 23.9 | 23.7 | 23.5 | 23.3 |
| | | 50 | 25 | 24.3 | 24.1 | 23.9 | **23.4** | 23.2 | 23.0 | **24.7** | 24.5 | 24.3 | 24.2 | **24.2** | 23.9 |
| | | 100 | 0 | 23.8 | 23.5 | 23.4 | 22.9 | 22.8 | 22.4 | 24.1 | 24.1 | 24.0 | 23.7 | 23.6 | 23.4 |
| | QPSK | 1 | 0 | 23.2 | 23.2 | 23.1 | 22.3 | 22.4 | 22.1 | 23.6 | 23.6 | 23.4 | 23.1 | 23.2 | 23.1 |
| | | 1 | 1 | 24.2 | 24.3 | 24.1 | 23.4 | 23.4 | 23.0 | 24.6 | 24.6 | 24.4 | 24.2 | 24.1 | 23.9 |
| | | 1 | 104 | 24.2 | 24.0 | 24.0 | **23.5** | 23.1 | 23.0 | 24.5 | 24.5 | 24.5 | 24.2 | 24.1 | 23.9 |
| | | 1 | 105 | 23.2 | 23.0 | 22.9 | 22.2 | 21.9 | 22.0 | 23.5 | 23.4 | 23.5 | 23.1 | 23.0 | 22.8 |
| | | 50 | 25 | **24.3** | 24.1 | 23.8 | 23.5 | 23.2 | 23.1 | 24.5 | **24.6** | 24.5 | **24.2** | 24.1 | 24.0 |
| | | 100 | 0 | 23.1 | 23.1 | 23.0 | 22.3 | 22.2 | 22.0 | 23.5 | 23.6 | 23.5 | 23.2 | 23.1 | 22.9 |
| | 16QAM | 1 | 0 | 22.3 | 22.7 | 22.1 | 21.1 | 21.4 | 20.9 | 22.4 | 22.6 | 22.5 | 22.2 | 21.9 | 21.9 |
| | | 1 | 1 | 23.0 | 23.3 | 23.0 | 22.1 | 22.3 | 22.2 | 23.6 | **23.7** | 23.6 | 23.1 | 22.7 | 23.0 |
| | | 1 | 104 | **23.6** | 23.1 | 22.8 | **22.4** | 21.9 | 21.9 | 23.4 | 23.6 | 23.5 | 23.1 | 22.8 | 22.9 |
| | | 1 | 105 | 22.4 | 22.0 | 22.2 | 21.0 | 20.9 | 21.0 | 22.7 | 22.3 | 22.3 | 22.2 | 21.7 | 22.0 |
| | | 50 | 25 | 23.3 | 23.1 | 22.9 | 22.3 | 22.3 | 22.0 | 23.6 | 23.6 | 23.5 | **23.3** | 23.1 | 22.9 |
| | | 100 | 0 | 22.2 | 22.3 | 21.9 | 21.4 | 21.2 | 21.0 | 22.5 | 22.6 | 22.4 | 22.3 | 22.0 | 21.9 |
| | 64QAM | 1 | 0 | 21.5 | **21.9** | 21.6 | 20.7 | **21.3** | 20.5 | 22.0 | 22.2 | 21.9 | 21.3 | 21.4 | 21.5 |
| | | 1 | 1 | 21.6 | 21.9 | 21.6 | 20.7 | 20.7 | 20.6 | 22.0 | 22.0 | 21.9 | 21.4 | 21.8 | 21.5 |
| | | 1 | 104 | 21.6 | 21.4 | 21.4 | 20.8 | 21.1 | 20.5 | **22.2** | 22.2 | 22.1 | 21.3 | 21.6 | 21.3 |
| | | 1 | 105 | 21.6 | 21.4 | 21.5 | 20.7 | 20.4 | 20.6 | 22.1 | 22.1 | 21.9 | 21.3 | 21.3 | 21.5 |
| | | 50 | 25 | 21.8 | 21.8 | 21.5 | 20.9 | 20.6 | 20.5 | 22.2 | 22.0 | 21.9 | **21.8** | 21.7 | 21.4 |
| | | 100 | 0 | 21.8 | 21.7 | 21.5 | 20.8 | 20.7 | 20.5 | 22.1 | 22.1 | 22.0 | **21.8** | 21.5 | 21.4 |
| | 256QAM | 1 | 0 | 19.6 | 19.6 | 19.6 | 18.8 | 19.0 | 18.2 | 19.9 | **20.5** | 20.0 | 19.7 | 19.4 | 19.4 |
| | | 1 | 1 | 19.4 | 19.6 | 19.5 | 18.5 | 18.7 | 18.3 | 19.9 | 20.3 | 20.1 | 19.7 | 19.7 | 19.6 |
| | | 1 | 104 | 19.6 | **19.8** | 19.4 | 18.5 | 18.3 | 18.3 | 20.0 | 20.4 | 19.9 | 19.5 | 19.2 | 19.3 |
| | | 1 | 105 | 19.7 | 19.4 | 19.6 | **19.0** | 18.6 | 18.5 | 20.3 | 20.2 | 19.6 | 19.5 | 19.7 | 19.5 |
| | | 50 | 25 | 19.8 | 19.7 | 19.4 | 18.9 | 18.6 | 18.5 | 20.1 | 20.1 | 19.9 | 19.7 | 19.5 | 19.4 |
| | | 100 | 0 | 19.8 | 19.7 | 19.4 | 19.0 | 18.7 | 18.5 | 20.2 | 20.0 | 19.9 | **19.7** | 19.6 | 19.3 |



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## OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 631666 | 633332 | 634998 | 631666 | 633332 | 634998 | 631666 | 633332 | 634998 | 631666 | 633332 | 634998 |
| | | | | 3475.0 | 3500.0 | 3525.0 | 3475.0 | 3500.0 | 3525.0 | 3475.0 | 3500.0 | 3525.0 | 3475.0 | 3500.0 | 3525.0 |
| 50.0 | BPSK | 1 | 0 | 24.4 | 24.3 | 24.2 | 23.0 | 23.0 | 22.8 | 24.1 | 24.1 | 24.1 | 23.7 | 23.8 | 23.6 |
| | | 1 | 1 | **24.8** | 24.7 | 24.6 | 23.4 | **23.5** | 23.3 | 24.6 | 24.7 | 24.7 | 24.2 | 24.3 | 24.1 |
| | | 1 | 131 | 24.7 | 24.4 | 24.5 | 23.3 | 23.1 | 23.2 | 24.7 | 24.5 | 24.5 | 24.2 | 23.9 | 23.8 |
| | | 1 | 132 | 24.2 | 24.0 | 24.0 | 22.8 | 22.7 | 22.7 | 24.1 | 24.0 | 24.0 | 23.7 | 23.6 | 23.5 |
| | | 64 | 32 | 24.8 | 24.7 | 24.5 | 23.4 | 23.2 | 23.0 | **24.7** | 24.6 | 24.6 | **24.3** | 24.1 | 24.0 |
| | | 128 | 0 | 24.3 | 24.2 | 24.0 | 23.0 | 22.8 | 22.5 | 24.1 | 24.1 | 24.0 | 23.7 | 23.6 | 23.5 |
| | QPSK | 1 | 0 | 23.8 | 23.9 | 23.7 | 22.4 | 22.4 | 22.1 | 23.6 | 23.6 | 23.6 | 23.2 | 23.3 | 23.1 |
| | | 1 | 1 | 24.8 | **24.8** | 24.7 | **23.5** | **23.5** | 23.1 | 24.5 | 24.6 | **24.7** | 24.1 | 24.2 | 24.1 |
| | | 1 | 131 | 24.7 | 24.6 | 24.5 | 23.3 | 23.2 | 23.2 | 24.5 | 24.5 | 24.5 | 24.2 | 24.0 | 24.0 |
| | | 1 | 132 | 23.6 | 23.6 | 23.5 | 22.3 | 22.1 | 22.1 | 23.5 | 23.5 | 23.4 | 23.2 | 22.9 | 22.9 |
| | | 64 | 32 | 24.8 | 24.6 | 24.5 | 23.4 | 23.2 | 23.2 | 24.6 | 24.6 | 24.5 | **24.3** | 24.2 | 24.1 |
| | | 128 | 0 | 23.8 | 23.6 | 23.4 | 22.3 | 22.2 | 22.1 | 23.6 | 23.6 | 23.6 | 23.3 | 23.2 | 23.0 |
| | 16QAM | 1 | 0 | 22.6 | 22.8 | 22.8 | 21.3 | 21.5 | 21.2 | 22.6 | 22.7 | 22.5 | 22.1 | 22.1 | 22.3 |
| | | 1 | 1 | **23.9** | 23.8 | 23.3 | 22.3 | **22.5** | 22.1 | 23.7 | 23.4 | 23.4 | 23.1 | **23.3** | 23.0 |
| | | 1 | 131 | 23.7 | 23.5 | 23.3 | 22.5 | 22.5 | 22.3 | 23.7 | 23.2 | **23.8** | 23.1 | 23.0 | 22.7 |
| | | 1 | 132 | 22.6 | 22.5 | 22.3 | 21.3 | 21.4 | 21.3 | 22.7 | 22.5 | 22.8 | 22.1 | 22.0 | 21.5 |
| | | 64 | 32 | 23.9 | 23.7 | 23.5 | 22.4 | 22.2 | 22.1 | 23.7 | 23.6 | 23.5 | 23.2 | 23.1 | 23.1 |
| | | 128 | 0 | 22.8 | 22.7 | 22.5 | 21.4 | 21.3 | 21.1 | 22.6 | 22.6 | 22.5 | 22.3 | 22.2 | 21.9 |
| | 64QAM | 1 | 0 | 22.3 | 22.4 | 22.0 | 21.1 | **21.4** | 21.0 | 22.1 | 22.0 | **22.4** | 21.5 | 21.6 | 21.8 |
| | | 1 | 1 | 22.3 | 21.9 | 22.2 | 21.1 | 21.2 | 20.8 | 21.9 | 21.9 | 22.3 | 21.4 | 21.6 | 21.8 |
| | | 1 | 131 | 22.2 | 22.2 | 22.0 | 20.9 | 20.6 | 20.7 | 22.2 | 21.4 | 22.1 | 21.4 | 21.6 | 21.7 |
| | | 1 | 132 | 22.2 | 21.9 | 22.0 | 21.0 | 20.7 | 20.8 | 21.9 | 21.9 | **22.4** | 21.4 | 21.5 | 21.6 |
| | | 64 | 32 | **22.4** | 22.2 | 21.9 | 20.9 | 20.8 | 20.6 | 22.2 | 22.1 | 22.0 | **21.8** | 21.7 | 21.4 |
| | | 128 | 0 | 22.3 | 22.1 | 22.0 | 20.8 | 20.7 | 20.5 | 22.1 | 22.1 | 22.0 | 21.7 | 21.6 | 21.5 |
| | 256QAM | 1 | 0 | 20.2 | 20.4 | 20.3 | 19.0 | **19.0** | 18.6 | **20.5** | 20.2 | 19.9 | 19.4 | **19.9** | 19.5 |
| | | 1 | 1 | 20.3 | 20.3 | 20.1 | 18.8 | 19.0 | 18.7 | 20.3 | 20.4 | 20.1 | 19.7 | 19.8 | 19.6 |
| | | 1 | 131 | 20.3 | 20.2 | 20.0 | 18.6 | 18.7 | 18.7 | 20.4 | 20.1 | 20.3 | 19.4 | 19.3 | 19.3 |
| | | 1 | 132 | 20.3 | 20.0 | 20.2 | 18.6 | 18.6 | 18.4 | 20.1 | 19.8 | 20.2 | 19.5 | 19.7 | 19.4 |
| | | 64 | 32 | 20.3 | 20.3 | 20.0 | 18.9 | 18.6 | 18.5 | 20.1 | 20.1 | 19.9 | 19.8 | 19.6 | 19.5 |
| | | 128 | 0 | 20.3 | 20.2 | **20.4** | 18.9 | 18.6 | 18.6 | 20.1 | 20.0 | 20.0 | 19.8 | 19.5 | 19.4 |

## OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 632000 | 633332 | 634666 | 632000 | 633332 | 634666 | 632000 | 633332 | 634666 | 632000 | 633332 | 634666 |
| | | | | 3480.0 | 3500.0 | 3520.0 | 3480.0 | 3500.0 | 3520.0 | 3480.0 | 3500.0 | 3520.0 | 3480.0 | 3500.0 | 3520.0 |
| 60.0 | BPSK | 1 | 0 | 24.1 | 24.2 | 24.2 | 22.8 | 23.0 | 22.8 | 24.0 | 24.1 | 23.9 | 23.6 | 23.8 | 23.7 |
| | | 1 | 1 | 24.7 | **24.8** | 24.8 | 23.4 | 23.4 | 23.3 | **24.7** | **24.7** | 24.6 | 24.1 | 24.2 | 24.1 |
| | | 1 | 160 | 24.6 | 24.4 | 24.4 | 23.3 | 23.0 | 23.0 | 24.5 | 24.3 | 24.5 | 24.0 | 24.0 | 23.9 |
| | | 1 | 161 | 24.0 | 24.0 | 23.9 | 22.7 | 22.5 | 22.6 | 24.0 | 23.8 | 23.9 | 23.5 | 23.4 | 23.3 |
| | | 81 | 40 | 24.7 | 24.6 | 24.5 | **23.5** | 23.3 | 23.0 | 24.6 | 24.6 | 24.4 | **24.3** | 24.1 | 24.0 |
| | | 162 | 0 | 24.3 | 24.2 | 24.0 | 22.9 | 22.7 | 22.6 | 24.1 | 23.9 | 24.1 | 23.7 | 23.7 | 23.6 |
| | QPSK | 1 | 0 | 23.7 | 23.6 | 23.8 | 22.3 | 22.5 | 22.3 | 23.6 | 23.6 | 23.6 | 23.2 | 23.3 | 23.1 |
| | | 1 | 1 | 24.7 | 24.7 | 24.7 | 23.4 | 23.4 | 23.3 | 24.5 | 24.5 | **24.6** | 24.2 | 24.2 | 24.1 |
| | | 1 | 160 | 24.6 | 24.2 | 24.4 | 23.2 | 23.0 | 23.2 | 24.6 | 24.6 | 24.5 | 24.0 | 23.9 | 23.8 |
| | | 1 | 161 | 23.3 | 23.4 | 23.4 | 22.2 | 22.0 | 22.0 | 23.6 | 23.4 | 23.5 | 23.0 | 22.8 | 22.8 |
| | | 81 | 40 | **24.9** | 24.6 | 24.5 | **23.5** | 23.1 | 23.1 | 24.6 | 24.6 | 24.4 | **24.2** | 24.1 | 24.0 |
| | | 162 | 0 | 23.8 | 23.6 | 23.5 | 22.4 | 22.3 | 22.1 | 23.7 | 23.5 | 23.5 | 23.1 | 23.1 | 23.1 |
| | 16QAM | 1 | 0 | 22.7 | 23.0 | 22.7 | 21.8 | 21.1 | 21.1 | 22.5 | 22.6 | 22.4 | 22.0 | 22.0 | 21.7 |
| | | 1 | 1 | 23.7 | **23.8** | 23.7 | **22.7** | 22.2 | 22.1 | 23.3 | 23.4 | 23.4 | 23.1 | 23.1 | **23.2** |
| | | 1 | 160 | 23.8 | 23.3 | 23.2 | 22.5 | 22.2 | 22.0 | 23.5 | 23.5 | **23.6** | 23.1 | 22.7 | 22.9 |
| | | 1 | 161 | 22.5 | 22.5 | 22.4 | 21.5 | 21.1 | 21.0 | 22.8 | 22.6 | 22.6 | 21.8 | 22.0 | 21.8 |
| | | 81 | 40 | 23.8 | 23.6 | 23.5 | 22.5 | 22.2 | 22.1 | 23.6 | 23.5 | 23.5 | 23.2 | 23.1 | 22.9 |
| | | 162 | 0 | 22.7 | 22.6 | 22.5 | 21.5 | 21.2 | 21.0 | 22.6 | 22.6 | 22.5 | 22.1 | 22.2 | 22.0 |
| | 64QAM | 1 | 0 | 21.9 | **22.3** | 22.3 | 20.8 | 20.7 | 20.7 | 22.4 | 22.4 | 22.1 | 21.6 | **21.8** | 21.7 |
| | | 1 | 1 | 22.3 | 22.3 | 22.2 | 21.0 | 20.8 | **21.2** | **22.5** | 22.2 | 22.1 | 21.6 | 21.4 | 21.8 |
| | | 1 | 160 | 22.0 | 21.6 | 21.9 | 20.7 | 20.6 | 20.6 | 22.0 | 21.9 | 22.1 | 21.2 | 21.4 | 21.3 |
| | | 1 | 161 | 22.2 | 21.7 | 21.9 | 20.7 | 20.3 | 20.5 | 22.3 | 21.9 | 22.0 | 21.4 | 21.3 | 21.4 |
| | | 81 | 40 | 22.3 | 22.1 | 22.0 | 20.9 | 20.7 | 20.5 | 22.1 | 22.0 | 22.0 | 21.7 | 21.7 | 21.5 |
| | | 162 | 0 | 22.2 | 22.1 | 22.0 | 20.9 | 20.8 | 20.6 | 22.0 | 21.9 | 22.0 | 21.6 | 21.6 | 21.5 |
| | 256QAM | 1 | 0 | 20.2 | 20.2 | 20.0 | **19.2** | 18.9 | 19.0 | 20.3 | **20.3** | 19.7 | **19.9** | 19.8 | 19.9 |
| | | 1 | 1 | 20.1 | 20.0 | 20.1 | 19.0 | 18.9 | 19.0 | 20.3 | 20.0 | 19.8 | 19.5 | 19.5 | 19.9 |
| | | 1 | 160 | **20.3** | 20.0 | 19.9 | 19.0 | 18.6 | 18.7 | 20.3 | 20.2 | 20.0 | 19.7 | 19.3 | 19.4 |
| | | 1 | 161 | 19.9 | 20.0 | 20.1 | 19.0 | 18.6 | 18.9 | 20.3 | 19.9 | 19.8 | 19.5 | 19.5 | 19.4 |
| | | 81 | 40 | 20.3 | 20.1 | 20.0 | 18.9 | 18.7 | 18.6 | 20.0 | 20.0 | 19.9 | 19.7 | 19.7 | 19.6 |
| | | 162 | 0 | 20.2 | 20.1 | 20.3 | 18.8 | 18.7 | 18.6 | 20.0 | 20.0 | 20.1 | 19.7 | 19.6 | 19.5 |



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## OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 632333 | 633332 | 634333 | 632333 | 633332 | 634333 | 632333 | 633332 | 634333 | 632333 | 633332 | 634333 |
| | | | | 3485.0 | 3500.0 | 3515.0 | 3485.0 | 3500.0 | 3515.0 | 3485.0 | 3500.0 | 3515.0 | 3485.0 | 3500.0 | 3515.0 |
| 70.0 | BPSK | 1 | 0 | 24.2 | 24.3 | 24.3 | 22.9 | 22.7 | 22.9 | 24.1 | 24.1 | 24.1 | 23.7 | 23.6 | 23.7 |
| | | 1 | 1 | 24.8 | 24.7 | **24.9** | **23.5** | 23.4 | 23.5 | **24.7** | 24.5 | 24.5 | 24.3 | 24.2 | 24.3 |
| | | 1 | 187 | 24.6 | 24.5 | 24.4 | 23.2 | 23.1 | 23.1 | 24.6 | 24.6 | 24.4 | 24.1 | 24.0 | 24.0 |
| | | 1 | 188 | 24.0 | 23.9 | 23.9 | 22.6 | 22.6 | 22.7 | 24.0 | 24.0 | 24.0 | 23.5 | 23.4 | 23.4 |
| | | 90 | 45 | 24.8 | 24.7 | 24.5 | 23.3 | 23.3 | 23.1 | 24.5 | 24.5 | 24.5 | **24.3** | 24.2 | 24.0 |
| | | 180 | 0 | 24.4 | 24.2 | 24.1 | 22.9 | 22.7 | 22.7 | 24.1 | 24.0 | 24.0 | 23.6 | 23.6 | 23.6 |
| | QPSK | 1 | 0 | 23.6 | 23.7 | 23.8 | 22.4 | 22.4 | 22.4 | 23.5 | 23.7 | 23.7 | 23.1 | 23.2 | 23.2 |
| | | 1 | 1 | 24.7 | 24.7 | **24.9** | 23.4 | 23.4 | **23.5** | 24.6 | 24.6 | 24.6 | 24.3 | **24.3** | 24.2 |
| | | 1 | 187 | 24.6 | 24.5 | 24.3 | 23.1 | 23.2 | 23.2 | 24.6 | 24.5 | 24.4 | 24.1 | 24.1 | 23.9 |
| | | 1 | 188 | 23.5 | 23.5 | 23.5 | 22.2 | 22.1 | 22.1 | 23.5 | 23.6 | 23.4 | 23.0 | 23.0 | 22.9 |
| | | 90 | 45 | 24.7 | 24.6 | 24.5 | 23.4 | 23.3 | 23.0 | 24.6 | **24.7** | 24.5 | 24.3 | 24.1 | 24.0 |
| | | 180 | 0 | 23.7 | 23.6 | 23.5 | 22.4 | 22.3 | 22.2 | 23.6 | 23.6 | 23.4 | 23.2 | 23.0 | 23.1 |
| | 16QAM | 1 | 0 | 22.6 | 23.1 | 22.8 | 21.3 | 21.3 | 21.4 | 22.8 | 22.7 | 22.7 | 22.4 | 22.3 | 22.4 |
| | | 1 | 1 | 23.4 | 23.7 | 23.6 | **22.5** | 22.2 | 22.2 | 23.8 | **24.1** | 23.9 | 23.1 | **23.4** | 23.1 |
| | | 1 | 187 | 23.6 | 23.8 | 23.4 | 22.2 | 21.8 | 22.1 | 23.7 | 23.5 | 23.8 | 23.2 | 23.2 | 22.7 |
| | | 1 | 188 | 22.4 | 22.5 | 22.3 | 21.4 | 21.0 | 21.1 | 22.6 | 22.8 | 22.3 | 22.1 | 22.0 | 21.9 |
| | | 90 | 45 | **23.8** | 23.6 | 23.6 | 22.4 | 22.2 | 22.1 | 23.6 | 23.5 | 23.4 | 23.2 | 23.2 | 23.1 |
| | | 180 | 0 | 22.6 | 22.6 | 22.6 | 21.4 | 21.2 | 21.1 | 22.6 | 22.6 | 22.5 | 22.1 | 22.0 | 22.1 |
| | 64QAM | 1 | 0 | 22.2 | 22.3 | 22.4 | 20.9 | 20.7 | 21.0 | **22.3** | 22.0 | 22.1 | 21.9 | 21.5 | **22.0** |
| | | 1 | 1 | **22.5** | 22.3 | 22.2 | 21.0 | 20.7 | **21.0** | 22.2 | 22.2 | 21.9 | 22.0 | 21.5 | 21.9 |
| | | 1 | 187 | 22.2 | 21.9 | 21.9 | 20.6 | 20.4 | 20.8 | 22.1 | 21.9 | 22.1 | 21.9 | 21.2 | 21.7 |
| | | 1 | 188 | 22.1 | 21.7 | 22.0 | 20.7 | 20.4 | 20.8 | 21.9 | 22.0 | 22.1 | 21.9 | 21.1 | 21.6 |
| | | 90 | 45 | 22.2 | 22.1 | 22.1 | 20.9 | 20.6 | 20.6 | 22.1 | 22.1 | 21.9 | 21.7 | 21.6 | 21.6 |
| | | 180 | 0 | 22.2 | 22.1 | 21.9 | 20.8 | 20.7 | 20.6 | 22.0 | 22.0 | 22.0 | 21.8 | 21.6 | 21.5 |
| | 256QAM | 1 | 0 | 20.2 | 20.0 | 20.2 | 18.5 | 18.9 | 18.9 | 20.2 | 20.1 | 20.0 | 19.7 | 19.6 | 19.8 |
| | | 1 | 1 | 20.2 | 20.1 | 20.3 | **19.1** | 18.7 | 18.9 | 19.9 | 20.0 | 19.9 | 19.6 | 19.6 | **20.0** |
| | | 1 | 187 | 20.2 | 20.0 | 19.9 | 18.3 | 18.6 | 18.9 | **20.3** | 20.0 | 20.1 | 19.4 | 19.5 | 19.4 |
| | | 1 | 188 | 20.4 | 19.8 | 19.7 | 18.9 | 18.6 | 18.7 | 20.2 | 19.9 | 20.0 | 19.6 | 19.0 | 19.7 |
| | | 90 | 45 | 20.2 | 20.2 | 20.1 | 18.8 | 18.7 | 18.6 | 20.0 | 19.9 | 19.9 | 19.7 | 19.7 | 19.5 |
| | | 180 | 0 | 20.1 | 20.1 | **20.4** | 18.8 | 18.6 | 18.7 | 20.1 | 20.0 | 19.9 | 19.7 | 19.6 | 19.5 |

## OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 632666 | 633332 | 633998 | 632666 | 633332 | 633998 | 632666 | 633332 | 633998 | 632666 | 633332 | 633998 |
| | | | | 3490.0 | 3500.0 | 3510.0 | 3490.0 | 3500.0 | 3510.0 | 3490.0 | 3500.0 | 3510.0 | 3490.0 | 3500.0 | 3510.0 |
| 80.0 | BPSK | 1 | 0 | 24.3 | 24.3 | 24.3 | 22.9 | 22.8 | 23.0 | 24.0 | 24.1 | 24.2 | 23.6 | 23.7 | 23.8 |
| | | 1 | 1 | 24.7 | 24.8 | **24.8** | **23.5** | 23.4 | 23.4 | 24.5 | 24.6 | **24.7** | **24.3** | 24.3 | 24.2 |
| | | 1 | 215 | 24.5 | 24.6 | 24.5 | 23.1 | 23.3 | 23.1 | 24.4 | 24.4 | 24.6 | 24.1 | 24.1 | 24.1 |
| | | 1 | 216 | 24.0 | 24.1 | 24.0 | 22.6 | 22.7 | 22.7 | 23.9 | 24.0 | 24.0 | 23.5 | 23.4 | 23.4 |
| | | 108 | 54 | 24.8 | 24.5 | 24.7 | 23.3 | 23.2 | 23.1 | 24.6 | 24.6 | 24.5 | 24.3 | 24.1 | 24.1 |
| | | 216 | 0 | 24.1 | 24.0 | 24.0 | 22.9 | 22.7 | 22.7 | 24.0 | 24.0 | 24.1 | 23.7 | 23.7 | 23.5 |
| | QPSK | 1 | 0 | 23.6 | 23.8 | 23.9 | 22.4 | 22.3 | 22.5 | 23.5 | 23.7 | 23.6 | 23.2 | 23.2 | 23.3 |
| | | 1 | 1 | 24.8 | 24.8 | **24.8** | 23.3 | **23.5** | 23.4 | 24.6 | 24.7 | **24.7** | 24.3 | 24.4 | **24.4** |
| | | 1 | 215 | 24.5 | 24.5 | 24.5 | 23.1 | 23.2 | 23.3 | 24.5 | 24.6 | 24.4 | 24.1 | 24.0 | 24.0 |
| | | 1 | 216 | 23.5 | 23.5 | 23.5 | 22.1 | 22.2 | 22.2 | 23.5 | 23.5 | 23.4 | 23.0 | 23.0 | 22.9 |
| | | 108 | 54 | 24.6 | 24.7 | 24.6 | 23.3 | 23.2 | 23.3 | 24.5 | 24.5 | 24.5 | 24.2 | 24.1 | 24.0 |
| | | 216 | 0 | 23.6 | 23.6 | 23.6 | 22.3 | 22.2 | 22.2 | 23.5 | 23.6 | 23.5 | 23.1 | 23.2 | 23.0 |
| | 16QAM | 1 | 0 | 22.8 | 22.7 | 22.9 | 21.2 | 21.4 | 21.6 | 22.5 | 22.9 | 22.6 | 22.3 | 21.9 | 22.2 |
| | | 1 | 1 | 23.7 | 23.7 | **24.1** | **22.4** | 22.4 | 22.4 | 23.3 | 23.4 | **23.8** | **23.3** | 23.2 | 23.1 |
| | | 1 | 215 | 23.3 | 23.5 | 23.4 | 22.0 | 22.2 | 22.3 | 23.5 | 23.7 | 23.1 | 23.0 | 23.0 | 23.0 |
| | | 1 | 216 | 22.7 | 22.5 | 22.5 | 20.9 | 21.2 | 21.0 | 22.5 | 22.3 | 22.0 | 21.8 | 21.8 | 21.8 |
| | | 108 | 54 | 23.7 | 23.6 | 23.5 | 22.3 | 22.3 | 22.2 | 23.5 | 23.6 | 23.4 | 23.2 | 23.2 | 23.1 |
| | | 216 | 0 | 22.7 | 22.6 | 22.6 | 21.4 | 21.3 | 21.2 | 22.5 | 22.5 | 22.5 | 22.1 | 22.1 | 22.1 |
| | 64QAM | 1 | 0 | 22.1 | 22.1 | **22.4** | 20.7 | 20.9 | **21.0** | 22.2 | 22.2 | 21.9 | 21.8 | 21.3 | 21.7 |
| | | 1 | 1 | 22.1 | 22.3 | 22.3 | 20.9 | 20.7 | 20.9 | 22.3 | 22.2 | 22.2 | 21.6 | 21.8 | **22.0** |
| | | 1 | 215 | 21.9 | 22.2 | 21.6 | 20.6 | 20.6 | 20.5 | 22.1 | **22.4** | 22.0 | 21.7 | 21.2 | 21.4 |
| | | 1 | 216 | 21.8 | 22.0 | 22.1 | 20.6 | 20.7 | 20.6 | 22.1 | 21.7 | 21.6 | 21.7 | 21.3 | 21.6 |
| | | 108 | 54 | 22.2 | 22.0 | 22.1 | 20.8 | 20.7 | 20.7 | 22.1 | 22.1 | 22.0 | 21.7 | 21.7 | 21.5 |
| | | 216 | 0 | 22.2 | 22.2 | 22.1 | 20.8 | 20.8 | 20.6 | 22.0 | 22.0 | 22.0 | 21.6 | 21.6 | 21.4 |
| | 256QAM | 1 | 0 | 20.5 | 20.2 | 20.3 | 18.8 | 18.9 | 18.5 | 20.1 | 20.2 | 20.1 | 19.7 | 19.6 | 19.5 |
| | | 1 | 1 | 20.5 | 20.5 | **20.6** | 18.9 | **19.0** | 18.7 | 20.1 | 20.0 | 20.2 | 19.6 | **19.9** | 19.4 |
| | | 1 | 215 | 20.1 | 19.8 | 20.1 | 18.7 | 18.7 | 18.4 | 20.0 | 19.9 | 20.0 | 19.2 | 19.5 | 19.3 |
| | | 1 | 216 | 20.1 | 19.9 | 19.8 | 18.7 | 18.8 | 18.5 | 19.8 | 19.9 | **20.2** | 19.4 | 19.3 | 19.3 |
| | | 108 | 54 | 20.2 | 20.1 | 20.1 | 18.8 | 18.7 | 18.6 | 20.0 | 20.1 | 19.9 | 19.6 | 19.6 | 19.6 |
| | | 216 | 0 | 20.3 | 20.1 | 20.3 | 18.7 | 18.7 | 18.7 | 19.9 | 20.0 | 20.0 | 19.6 | 19.6 | 19.6 |



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## OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 633000 | 633332 | 633666 | 633000 | 633332 | 633666 | 633000 | 633332 | 633666 | 633000 | 633332 | 633666 |
| | | | | 3495.0 | 3500.0 | 3505.0 | 3495.0 | 3500.0 | 3505.0 | 3495.0 | 3500.0 | 3505.0 | 3495.0 | 3500.0 | 3505.0 |
| 90.0 | BPSK | 1 | 0 | 24.2 | 24.1 | 24.3 | 22.8 | 22.9 | 23.0 | 24.0 | 24.1 | 23.9 | 23.7 | 23.6 | 23.6 |
| | | 1 | 1 | 24.7 | 24.9 | **24.9** | 23.4 | 23.3 | **23.5** | 24.6 | 24.7 | **24.8** | 24.2 | 24.2 | **24.3** |
| | | 1 | 243 | 24.5 | 24.5 | 24.5 | 23.2 | 23.3 | 23.2 | 24.7 | 24.6 | 24.6 | 24.1 | 23.9 | 24.0 |
| | | 1 | 244 | 24.0 | 24.0 | 24.1 | 22.7 | 22.6 | 22.6 | 23.9 | 24.0 | 24.0 | 23.4 | 23.5 | 23.4 |
| | | 120 | 60 | 24.7 | 24.6 | 24.6 | 23.3 | 23.1 | 23.2 | 24.6 | 24.5 | 24.5 | 24.2 | 24.1 | 24.2 |
| | | 243 | 0 | 24.2 | 24.2 | 24.0 | 22.9 | 22.8 | 22.7 | 24.1 | 24.1 | 23.9 | 23.7 | 23.7 | 23.6 |
| | QPSK | 1 | 0 | 23.6 | 23.6 | 23.8 | 22.3 | 22.3 | 22.3 | 23.5 | 23.5 | 23.6 | 23.1 | 23.0 | 23.2 |
| | | 1 | 1 | 24.8 | 24.9 | **24.9** | 23.4 | **23.5** | 23.4 | 24.6 | **24.7** | **24.7** | 24.2 | 24.2 | **24.3** |
| | | 1 | 243 | 24.6 | 24.4 | 24.5 | 23.2 | 23.3 | 23.1 | 24.4 | 24.7 | 24.5 | 24.1 | 24.0 | 24.0 |
| | | 1 | 244 | 23.6 | 23.4 | 23.6 | 22.2 | 22.2 | 22.1 | 23.4 | 23.5 | 23.6 | 22.9 | 23.0 | 23.0 |
| | | 120 | 60 | 24.7 | 24.5 | 24.6 | 23.3 | 23.3 | 23.2 | 24.4 | 24.6 | 24.6 | 24.1 | 24.1 | 24.2 |
| | | 243 | 0 | 23.6 | 23.7 | 23.7 | 22.3 | 22.3 | 22.2 | 23.6 | 23.6 | 23.6 | 23.2 | 23.2 | 23.1 |
| | 16QAM | 1 | 0 | 22.7 | 22.8 | 22.6 | 21.6 | 21.1 | 21.4 | 22.7 | 22.5 | 22.6 | 22.2 | 22.0 | 21.9 |
| | | 1 | 1 | 23.9 | **23.9** | 23.7 | **22.7** | 22.1 | 22.5 | 23.4 | 23.7 | 23.7 | 23.1 | 23.1 | 23.1 |
| | | 1 | 243 | 23.9 | 23.5 | 23.5 | 22.4 | 21.8 | 22.3 | 23.5 | **24.0** | 23.8 | 22.8 | 22.8 | 22.8 |
| | | 1 | 244 | 22.5 | 22.7 | 22.4 | 21.3 | 21.2 | 21.1 | 22.8 | 22.6 | 22.7 | 22.0 | 22.0 | 21.8 |
| | | 120 | 60 | 23.7 | 23.7 | 23.6 | 22.3 | 22.2 | 22.3 | 23.6 | 23.5 | 23.5 | **23.2** | 23.1 | 23.1 |
| | | 243 | 0 | 22.7 | 22.6 | 22.6 | 21.3 | 21.2 | 21.3 | 22.4 | 22.6 | 22.6 | 22.1 | 22.1 | 22.2 |
| | 64QAM | 1 | 0 | 22.1 | 22.0 | 22.3 | 20.8 | 20.6 | 20.7 | 22.1 | 22.0 | 22.0 | 21.4 | 21.7 | 21.7 |
| | | 1 | 1 | 21.9 | 22.4 | **22.6** | **21.2** | 20.8 | 20.7 | 22.2 | 22.1 | **22.4** | 21.7 | 21.7 | **21.9** |
| | | 1 | 243 | 21.8 | 21.8 | 22.0 | 20.6 | 20.5 | 20.5 | 22.1 | 22.1 | 22.1 | 21.6 | 21.5 | 21.2 |
| | | 1 | 244 | 21.7 | 22.1 | 22.2 | 20.7 | 20.4 | 20.5 | 21.7 | 22.0 | 22.0 | 21.3 | 21.4 | 21.2 |
| | | 120 | 60 | 22.1 | 22.2 | 22.1 | 20.7 | 20.8 | 20.7 | 22.1 | 21.9 | 22.0 | 21.7 | 21.7 | 21.6 |
| | | 243 | 0 | 22.3 | 22.1 | 22.1 | 20.8 | 20.8 | 20.7 | 22.0 | 22.0 | 22.1 | 21.6 | 21.7 | 21.6 |
| | 256QAM | 1 | 0 | 20.1 | 19.9 | 20.1 | 19.1 | 18.9 | 18.9 | 20.3 | 19.9 | 20.0 | 19.8 | 19.6 | **19.9** |
| | | 1 | 1 | 20.2 | 20.0 | 19.9 | 18.8 | 18.9 | 19.0 | 20.1 | 20.0 | **20.3** | 19.7 | 19.7 | **19.9** |
| | | 1 | 243 | 19.9 | 19.8 | 20.0 | 19.1 | 18.7 | 18.6 | 20.0 | 19.8 | 19.9 | 19.3 | 19.2 | 19.5 |
| | | 1 | 244 | 19.6 | **20.6** | 20.3 | **19.1** | 18.6 | 18.7 | 20.1 | 19.9 | 19.7 | 19.2 | 19.3 | 19.5 |
| | | 120 | 60 | 20.2 | 20.0 | 20.1 | 18.7 | 18.7 | 18.6 | 20.0 | 20.0 | 20.1 | 19.6 | 19.5 | 19.6 |
| | | 243 | 0 | 20.1 | 20.2 | 20.3 | 18.8 | 18.7 | 18.8 | 20.1 | 19.9 | 20.0 | 19.6 | 19.6 | 19.6 |

## OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | N/A | 633332 | N/A | N/A | 633332 | N/A | N/A | 633332 | N/A | N/A | 633332 | N/A |
| | | | | N/A | 3500.0 | N/A | N/A | 3500.0 | N/A | N/A | 3500.0 | N/A | N/A | 3500.0 | N/A |
| 100.0 | BPSK | 1 | 0 | | 24.0 | | | 22.7 | | | 23.9 | | | 23.5 | |
| | | 1 | 1 | | **24.8** | | | **23.4** | | | **24.7** | | | **24.3** | |
| | | 1 | 271 | | 24.6 | | | 23.3 | | | 24.6 | | | 24.0 | |
| | | 1 | 272 | | 23.9 | | | 22.5 | | | 23.9 | | | 23.3 | |
| | | 135 | 67 | | 24.5 | | | 23.2 | | | 24.6 | | | 24.1 | |
| | | 270 | 0 | | 24.1 | | | 22.7 | | | 24.1 | | | 23.7 | |
| | QPSK | 1 | 0 | | 23.5 | | | 22.1 | | | 23.4 | | | 23.0 | |
| | | 1 | 1 | | **24.7** | | | **23.4** | | | 24.6 | | | **24.2** | |
| | | 1 | 271 | | 24.5 | | | 23.3 | | | **24.7** | | | 24.0 | |
| | | 1 | 272 | | 23.3 | | | 21.9 | | | 23.5 | | | 22.8 | |
| | | 135 | 67 | | 24.6 | | | 23.2 | | | 24.5 | | | 24.1 | |
| | | 270 | 0 | | 23.6 | | | 22.3 | | | 23.5 | | | 23.2 | |
| | 16QAM | 1 | 0 | | 22.5 | | | 21.2 | | | 22.5 | | | 22.2 | |
| | | 1 | 1 | | **23.9** | | | **22.4** | | | **23.7** | | | 23.1 | |
| | | 1 | 271 | | 23.6 | | | 22.3 | | | 23.5 | | | 22.9 | |
| | | 1 | 272 | | 22.7 | | | 21.1 | | | 22.2 | | | 22.1 | |
| | | 135 | 67 | | 23.6 | | | 22.2 | | | 23.6 | | | **23.1** | |
| | | 270 | 0 | | 22.5 | | | 21.3 | | | 22.6 | | | 22.1 | |
| | 64QAM | 1 | 0 | | 22.0 | | | 20.6 | | | 21.9 | | | 21.5 | |
| | | 1 | 1 | | **22.1** | | | 20.7 | | | 22.0 | | | 21.5 | |
| | | 1 | 271 | | 22.0 | | | **20.9** | | | 22.1 | | | 21.3 | |
| | | 1 | 272 | | 22.0 | | | 20.7 | | | 21.8 | | | 21.3 | |
| | | 135 | 67 | | **22.1** | | | 20.7 | | | 22.0 | | | 21.6 | |
| | | 270 | 0 | | **22.1** | | | 20.8 | | | **22.1** | | | **21.6** | |
| | 256QAM | 1 | 0 | | 20.2 | | | **19.1** | | | 20.0 | | | **20.0** | |
| | | 1 | 1 | | **20.4** | | | 18.9 | | | 19.8 | | | 19.9 | |
| | | 1 | 271 | | 19.9 | | | 18.8 | | | 20.0 | | | 19.4 | |
| | | 1 | 272 | | 20.1 | | | 18.6 | | | 19.9 | | | 19.6 | |
| | | 135 | 67 | | 20.1 | | | 18.7 | | | **20.2** | | | 19.6 | |
| | | 270 | 0 | | 20.0 | | | 18.6 | | | 20.0 | | | 19.6 | |



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## 8.18. 5G NR n77 ( Part 27 3450-3550MHz) HPUE

| Test Engineer ID: | 32934IG, 19210AL and 28498AC | Test Date: | 2024-03-01 to 2024-03-28 |
|---|---|---|---|

### OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 630333 | 633332 | 636333 | 630333 | 633332 | 636333 | 630333 | 633332 | 636333 | 630333 | 633332 | 636333 |
| | | | | 3455.0 | 3500.0 | 3545.0 | 3455.0 | 3500.0 | 3545.0 | 3455.0 | 3500.0 | 3545.0 | 3455.0 | 3500.0 | 3545.0 |
| 10.0 | BPSK | 1 | 0 | 23.9 | 24.1 | 24.0 | 22.4 | 22.1 | 22.0 | 21.8 | 21.5 | 21.5 | 21.9 | 21.8 | 21.6 |
| | | 1 | 1 | 25.8 | 26.1 | 25.9 | **25.9** | 25.7 | 25.3 | 25.3 | 25.0 | 25.0 | 25.2 | 25.3 | 25.1 |
| | | 1 | 22 | 25.8 | **26.1** | 26.0 | **25.9** | 25.6 | 25.3 | **25.4** | 24.9 | 24.8 | **25.4** | 25.2 | 25.1 |
| | | 1 | 23 | 23.9 | 24.0 | 24.1 | 22.4 | 22.0 | 21.9 | 21.9 | 21.4 | 21.3 | 21.9 | 21.8 | 21.4 |
| | | 12 | 6 | 25.9 | 26.0 | 26.0 | 25.9 | 25.6 | 25.4 | 25.4 | 25.0 | 24.9 | 25.3 | 25.3 | 24.9 |
| | | 24 | 0 | 25.8 | 26.0 | 26.0 | 24.4 | 24.0 | 24.0 | 24.9 | 24.5 | 24.4 | 24.9 | 24.8 | 24.6 |
| | QPSK | 1 | 0 | 23.3 | 23.5 | 23.5 | 22.6 | 22.1 | 22.0 | 21.8 | 21.6 | 21.4 | 21.9 | 21.7 | 21.7 |
| | | 1 | 1 | 25.8 | 26.0 | 26.0 | **26.0** | 25.6 | 25.4 | **25.3** | 25.3 | 24.8 | **25.4** | 25.2 | 25.0 |
| | | 1 | 22 | 25.8 | 26.0 | 26.1 | 25.9 | 25.5 | 25.5 | 25.3 | 25.0 | 24.8 | 25.3 | 25.3 | 24.9 |
| | | 1 | 23 | 23.5 | 23.5 | 23.5 | 22.4 | 22.0 | 22.0 | 21.8 | 21.4 | 21.2 | 21.9 | 21.8 | 21.3 |
| | | 12 | 6 | 25.9 | **26.1** | 26.0 | 25.9 | 25.5 | 25.4 | 25.3 | 25.0 | 24.9 | 25.3 | 25.3 | 25.0 |
| | | 24 | 0 | 25.9 | 26.0 | 26.0 | 23.9 | 23.6 | 23.4 | 24.4 | 24.0 | 23.9 | 24.3 | 24.2 | 24.0 |
| | 16QAM | 1 | 0 | 22.1 | 22.5 | 22.4 | 22.7 | 22.5 | 21.8 | 22.0 | 21.6 | 21.2 | 21.9 | 21.5 | 21.5 |
| | | 1 | 1 | 24.7 | 25.0 | 25.0 | 24.7 | **25.0** | 24.2 | **24.4** | 23.9 | 23.8 | 24.1 | 24.2 | 24.0 |
| | | 1 | 22 | 24.7 | 24.7 | 24.7 | 24.8 | 24.7 | 24.1 | 24.4 | 24.0 | 23.9 | **24.4** | 24.3 | 23.9 |
| | | 1 | 23 | 22.2 | 22.5 | 22.7 | 22.3 | 22.2 | 21.7 | 21.9 | 21.4 | 21.1 | 21.9 | 21.8 | 21.4 |
| | | 12 | 6 | 24.9 | 25.0 | 25.0 | 24.9 | 24.7 | 24.4 | 24.3 | 23.9 | 23.8 | 24.4 | 24.2 | 23.9 |
| | | 24 | 0 | 24.9 | **25.0** | 25.0 | 22.9 | 22.6 | 22.5 | 23.3 | 23.0 | 22.8 | 23.4 | 23.3 | 23.0 |
| | 64QAM | 1 | 0 | 22.2 | 22.6 | 22.5 | 22.6 | 22.1 | 22.3 | 21.9 | 21.5 | 21.4 | 21.9 | 21.7 | 21.6 |
| | | 1 | 1 | 24.9 | **24.9** | 24.9 | 23.4 | 23.2 | 23.1 | 22.9 | 22.6 | 22.3 | 22.9 | 23.0 | 22.5 |
| | | 1 | 22 | 24.8 | 24.8 | 24.9 | **23.7** | 22.9 | 23.0 | **22.9** | 22.2 | 22.4 | 22.7 | **23.2** | 22.6 |
| | | 1 | 23 | 22.1 | 22.5 | 22.6 | 22.6 | 22.0 | 22.2 | 21.8 | 21.5 | 21.3 | 21.6 | 22.2 | 21.5 |
| | | 12 | 6 | 24.8 | 24.9 | **24.9** | 23.2 | 23.1 | 22.8 | 22.8 | 22.6 | 22.4 | 22.8 | 22.8 | 22.5 |
| | | 24 | 0 | 24.9 | 24.9 | **24.9** | 22.4 | 22.1 | 21.8 | 22.9 | 22.5 | 22.3 | 22.9 | 22.8 | 22.4 |
| | 256QAM | 1 | 0 | 22.2 | 22.6 | 22.1 | 21.5 | 21.5 | 20.7 | 21.1 | 20.5 | 20.2 | **21.2** | 20.9 | 20.6 |
| | | 1 | 1 | 22.4 | 22.7 | 22.4 | 21.5 | **21.5** | 20.7 | **21.2** | 20.5 | 20.2 | 21.1 | 20.8 | 20.5 |
| | | 1 | 22 | 22.3 | 22.5 | **22.8** | 21.4 | 21.3 | 21.0 | 20.9 | 20.5 | 20.2 | 21.1 | 20.8 | 20.4 |
| | | 1 | 23 | 22.2 | 22.5 | 22.5 | 21.5 | 21.3 | 20.7 | 20.9 | 20.3 | 20.2 | 21.1 | 20.7 | 20.5 |
| | | 12 | 6 | 22.1 | 22.5 | 22.4 | 21.4 | 21.1 | 20.9 | 21.0 | 20.5 | 20.3 | 20.9 | 20.8 | 20.4 |
| | | 24 | 0 | 22.2 | 22.5 | 22.4 | 21.4 | 21.0 | 20.8 | 20.9 | 20.5 | 20.4 | 20.8 | 20.8 | 20.5 |

### OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 630500 | 633332 | 636166 | 630500 | 633332 | 636166 | 630500 | 633332 | 636166 | 630500 | 633332 | 636166 |
| | | | | 3457.5 | 3500.0 | 3542.5 | 3457.5 | 3500.0 | 3542.5 | 3457.5 | 3500.0 | 3542.5 | 3457.5 | 3500.0 | 3542.5 |
| 15.0 | BPSK | 1 | 0 | 23.9 | 24.1 | 24.0 | 22.5 | 22.1 | 21.9 | 21.8 | 21.5 | 21.2 | 21.6 | 21.7 | 21.4 |
| | | 1 | 1 | 26.0 | **26.2** | 26.1 | **26.1** | 25.6 | 25.5 | 25.3 | 25.0 | 24.7 | 25.2 | 25.2 | 24.9 |
| | | 1 | 36 | 26.0 | 26.2 | 26.0 | 25.8 | 25.4 | 25.4 | 24.6 | 24.8 | 24.8 | **25.3** | 25.1 | 24.6 |
| | | 1 | 37 | 23.9 | 24.1 | 24.2 | 22.3 | 21.8 | 21.9 | 21.8 | 21.6 | 21.1 | 21.8 | 21.8 | 21.3 |
| | | 18 | 9 | 25.9 | 26.0 | 26.1 | 25.8 | 25.5 | 25.4 | **25.3** | 24.9 | 24.9 | **25.3** | 25.3 | 25.0 |
| | | 36 | 0 | 26.0 | 26.1 | 26.1 | 24.3 | 24.0 | 23.9 | 24.9 | 24.6 | 24.4 | 24.8 | 24.8 | 24.5 |
| | QPSK | 1 | 0 | 23.4 | 23.6 | 23.5 | 22.4 | 22.1 | 22.1 | 21.9 | 21.5 | 21.1 | 21.8 | 21.8 | 21.3 |
| | | 1 | 1 | 25.9 | 26.1 | 26.1 | **25.9** | 25.6 | 25.5 | **25.4** | 25.0 | 24.6 | 25.4 | 25.3 | 24.9 |
| | | 1 | 36 | 25.9 | 26.1 | **26.2** | 25.8 | 25.3 | 25.7 | 25.3 | 24.9 | 24.6 | 25.4 | **25.5** | 24.8 |
| | | 1 | 37 | 23.4 | 23.5 | 23.6 | 22.2 | 21.9 | 21.9 | 21.8 | 21.4 | 21.1 | 21.8 | 21.8 | 21.2 |
| | | 18 | 9 | 25.9 | 26.0 | 26.1 | 25.8 | 25.5 | 25.4 | 25.3 | 25.0 | 24.9 | 25.3 | 25.3 | 25.0 |
| | | 36 | 0 | 25.9 | 26.1 | 26.1 | 23.8 | 23.5 | 23.4 | 24.4 | 24.0 | 23.9 | 24.3 | 24.3 | 23.9 |
| | 16QAM | 1 | 0 | 22.4 | 22.8 | 22.6 | 22.5 | 22.0 | 21.7 | 21.6 | 21.6 | 21.3 | 21.9 | 21.5 | 21.5 |
| | | 1 | 1 | 25.0 | 25.0 | 25.1 | 24.7 | 24.5 | 24.2 | **24.4** | 24.1 | 23.8 | 24.4 | 24.0 | **24.5** |
| | | 1 | 36 | 24.8 | 25.1 | **25.2** | 24.6 | 24.3 | 24.2 | **24.4** | 23.9 | 23.7 | 24.4 | 24.0 | 24.2 |
| | | 1 | 37 | 22.6 | 22.7 | 22.7 | 22.2 | 21.8 | 22.0 | 21.7 | 21.3 | 21.4 | 21.9 | 21.4 | 21.4 |
| | | 18 | 9 | 24.9 | 25.1 | 25.1 | **24.9** | 24.6 | 24.5 | 24.4 | 24.0 | 23.9 | 24.3 | 24.3 | 24.0 |
| | | 36 | 0 | 24.8 | 25.1 | 25.0 | 22.8 | 22.6 | 22.3 | 23.3 | 23.0 | 22.9 | 23.3 | 23.2 | 23.0 |
| | 64QAM | 1 | 0 | 22.6 | 22.8 | 22.7 | 22.6 | 22.2 | 22.0 | 21.9 | 21.4 | 21.4 | 22.1 | 21.9 | 21.4 |
| | | 1 | 1 | 24.9 | 25.1 | **25.1** | **23.6** | 23.2 | 23.0 | 23.0 | 22.3 | 22.2 | 23.1 | 23.0 | 22.4 |
| | | 1 | 36 | 24.9 | 25.1 | 25.1 | 23.5 | 22.8 | 23.0 | **23.0** | 22.1 | 22.1 | **23.1** | 22.9 | 22.3 |
| | | 1 | 37 | 22.6 | 22.5 | 22.7 | 22.3 | 21.8 | 22.0 | 21.8 | 21.2 | 21.2 | 22.1 | 21.9 | 20.9 |
| | | 18 | 9 | 25.0 | 25.1 | 25.0 | 23.3 | 23.0 | 22.9 | 22.9 | 22.6 | 22.3 | 22.9 | 22.8 | 22.5 |
| | | 36 | 0 | 25.0 | 25.1 | 25.1 | 22.4 | 22.0 | 21.9 | 22.8 | 22.5 | 22.4 | 22.8 | 22.8 | 22.5 |
| | 256QAM | 1 | 0 | 22.5 | 22.5 | 22.4 | 21.2 | **21.4** | 20.7 | 20.8 | 20.5 | 20.2 | 20.6 | 20.6 | 20.4 |
| | | 1 | 1 | 22.6 | 22.5 | 22.5 | 21.2 | 21.4 | 20.7 | **20.9** | 20.6 | 20.2 | 20.6 | 20.8 | 20.4 |
| | | 1 | 36 | 22.8 | 22.6 | **22.8** | 21.0 | 21.2 | 20.8 | 20.8 | 20.5 | 20.2 | 20.6 | 20.7 | 20.3 |
| | | 1 | 37 | 22.7 | 22.6 | 22.5 | 21.1 | 21.3 | 20.8 | 20.9 | 20.4 | 20.1 | 20.6 | 20.8 | 20.2 |
| | | 18 | 9 | 22.6 | 22.6 | 22.6 | 21.3 | 21.0 | 20.9 | 20.9 | 20.5 | 20.3 | **20.9** | 20.7 | 20.6 |
| | | 36 | 0 | 22.4 | 22.6 | 22.6 | 21.4 | 21.0 | 20.9 | 20.9 | 20.5 | 20.5 | 20.8 | 20.8 | 20.6 |



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## OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 630666 | 633332 | 635998 | 630666 | 633332 | 635998 | 630666 | 633332 | 635998 | 630666 | 633332 | 635998 |
| | | | | 3460.0 | 3500.0 | 3540.0 | 3460.0 | 3500.0 | 3540.0 | 3460.0 | 3500.0 | 3540.0 | 3460.0 | 3500.0 | 3540.0 |
| 20.0 | BPSK | 1 | 0 | 24.0 | 24.1 | 24.0 | 22.3 | 22.2 | 21.8 | 22.0 | 21.7 | 21.4 | 21.8 | 21.8 | 21.6 |
| | | 1 | 1 | 26.1 | 26.2 | 26.1 | 25.8 | 25.7 | 25.4 | 25.5 | 25.2 | 24.9 | 25.3 | 25.3 | 25.1 |
| | | 1 | 49 | 26.1 | **26.3** | 26.2 | 25.7 | 25.4 | 25.2 | 24.8 | 25.0 | 25.0 | 25.3 | 25.2 | 24.9 |
| | | 1 | 50 | 24.1 | 24.1 | 24.2 | 22.3 | 21.9 | 21.7 | 22.0 | 21.8 | 21.3 | 21.7 | 21.6 | 21.4 |
| | | 25 | 12 | 26.1 | 26.2 | 26.1 | **25.8** | 25.6 | 25.4 | **25.5** | 25.1 | 25.1 | **25.3** | 25.3 | 25.0 |
| | | 50 | 0 | 26.0 | 26.0 | 26.1 | 24.3 | 24.0 | 23.9 | 25.1 | 24.8 | 24.6 | 24.8 | 24.7 | 24.5 |
| | QPSK | 1 | 0 | 23.5 | 23.7 | 23.6 | 22.4 | 22.3 | 21.9 | 22.1 | 21.7 | 21.3 | 21.7 | 21.6 | 21.8 |
| | | 1 | 1 | 26.2 | 26.1 | 26.1 | 25.8 | 25.7 | 25.3 | **25.6** | 25.2 | 24.8 | 25.2 | 25.2 | 25.3 |
| | | 1 | 49 | **26.2** | 26.1 | 26.1 | 25.7 | 25.5 | 25.4 | 25.5 | 25.1 | 24.8 | 25.3 | 25.2 | 25.1 |
| | | 1 | 50 | 23.7 | 23.6 | 23.6 | 22.2 | 22.0 | 21.8 | 22.0 | 21.6 | 21.3 | 21.9 | 21.8 | 21.4 |
| | | 25 | 12 | 26.1 | 26.1 | 26.1 | **25.8** | 25.5 | 25.4 | 25.5 | 25.2 | 25.1 | **25.3** | 25.2 | 25.0 |
| | | 50 | 0 | 26.0 | 26.0 | 26.1 | 23.8 | 23.5 | 23.4 | 24.6 | 24.2 | 24.1 | 24.3 | 24.3 | 24.0 |
| | 16QAM | 1 | 0 | 22.6 | 22.4 | 22.8 | 22.3 | 22.2 | 21.9 | 21.8 | 21.8 | 21.5 | 21.9 | 21.8 | 21.5 |
| | | 1 | 1 | **25.2** | 24.9 | 25.0 | 24.8 | 24.6 | 24.4 | **24.6** | 24.3 | 24.0 | 24.4 | 24.2 | 24.0 |
| | | 1 | 49 | 25.0 | 25.0 | 25.0 | 24.7 | 24.5 | 24.5 | **24.6** | 24.1 | 23.9 | **24.5** | 24.1 | 23.8 |
| | | 1 | 50 | 22.6 | 22.4 | 22.7 | 22.3 | 22.0 | 21.9 | 21.9 | 21.5 | 21.6 | 21.7 | 21.7 | 21.3 |
| | | 25 | 12 | 25.1 | 25.1 | 25.1 | **24.8** | 24.5 | 24.4 | 24.6 | 24.2 | 24.1 | 24.3 | 24.2 | 24.1 |
| | | 50 | 0 | 25.0 | 25.0 | 25.0 | 22.9 | 22.4 | 22.3 | 23.5 | 23.2 | 23.1 | 23.4 | 23.2 | 23.0 |
| | 64QAM | 1 | 0 | 22.3 | 22.3 | 22.4 | 22.6 | 22.2 | 22.0 | 22.1 | 21.6 | 21.6 | 22.4 | 21.9 | 21.5 |
| | | 1 | 1 | **25.0** | 25.0 | 25.0 | **23.5** | 23.0 | 22.9 | 23.2 | 22.5 | 22.4 | 22.7 | **22.9** | 22.4 |
| | | 1 | 49 | **25.0** | 25.0 | 25.0 | 23.4 | 22.9 | 22.9 | **23.2** | 22.3 | 22.3 | 22.9 | 22.8 | 22.3 |
| | | 1 | 50 | 22.4 | 22.4 | 22.4 | 22.4 | 21.9 | 22.0 | 22.0 | 21.4 | 21.4 | 22.8 | 21.8 | 21.4 |
| | | 25 | 12 | **25.0** | 25.0 | 25.0 | 23.3 | 23.0 | 22.8 | 23.1 | 22.8 | 22.5 | 21.7 | 22.8 | 22.6 |
| | | 50 | 0 | **25.0** | 25.0 | 25.0 | 22.3 | 22.1 | 21.9 | 23.0 | 22.7 | 22.6 | 22.8 | 22.8 | 22.5 |
| | 256QAM | 1 | 0 | 22.9 | 22.6 | 22.8 | 21.4 | **21.5** | 20.7 | 21.0 | 20.7 | 20.4 | 20.6 | 20.6 | 20.3 |
| | | 1 | 1 | **22.9** | 22.7 | 22.5 | 21.3 | 21.4 | 20.6 | **21.1** | 20.8 | 20.4 | 20.7 | 20.6 | 20.5 |
| | | 1 | 49 | 22.6 | 22.8 | 22.8 | 21.2 | 21.3 | 20.7 | 21.0 | 20.7 | 20.4 | 20.6 | 20.5 | 20.2 |
| | | 1 | 50 | 22.9 | 22.7 | 22.8 | 21.2 | 21.3 | 20.7 | 21.1 | 20.6 | 20.3 | 20.7 | 20.6 | 20.1 |
| | | 25 | 12 | 22.5 | 22.6 | 22.6 | 21.3 | 21.0 | 20.9 | 21.1 | 20.7 | 20.5 | 20.7 | **20.8** | 20.5 |
| | | 50 | 0 | 22.5 | 22.6 | 22.6 | 21.3 | 21.0 | 20.9 | 21.1 | 20.7 | 20.7 | 20.7 | 20.7 | 20.5 |

## OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 630833 | 633332 | 635833 | 630833 | 633332 | 635833 | 630833 | 633332 | 635833 | 630833 | 633332 | 635833 |
| | | | | 3462.5 | 3500.0 | 3537.5 | 3462.5 | 3500.0 | 3537.5 | 3462.5 | 3500.0 | 3537.5 | 3462.5 | 3500.0 | 3537.5 |
| 25.0 | BPSK | 1 | 0 | 23.9 | 24.0 | 23.9 | 22.2 | 22.1 | 21.7 | 22.0 | 21.6 | 21.5 | 21.7 | 21.7 | 21.5 |
| | | 1 | 1 | 26.0 | 26.1 | 26.0 | 25.7 | 25.6 | 25.3 | **25.4** | 25.2 | 25.0 | 25.2 | 25.2 | 25.0 |
| | | 1 | 63 | 26.0 | **26.2** | 26.1 | 25.6 | 25.3 | 25.1 | 25.3 | 24.9 | 25.0 | **25.2** | 25.1 | 24.8 |
| | | 1 | 64 | 24.0 | 24.0 | 24.1 | 22.2 | 21.8 | 21.6 | 21.7 | 21.4 | 21.4 | 21.6 | 21.5 | 21.3 |
| | | 32 | 16 | 26.0 | 26.1 | 26.0 | **25.7** | 25.5 | 25.3 | 25.0 | 25.1 | 25.0 | 25.1 | 25.2 | 24.9 |
| | | 64 | 0 | 25.9 | 25.9 | 26.0 | 24.2 | 23.9 | 23.8 | 24.9 | 24.6 | 24.4 | 24.7 | 24.6 | 24.4 |
| | QPSK | 1 | 0 | 23.4 | 23.6 | 23.5 | 22.3 | 22.2 | 21.8 | 21.9 | 21.6 | 21.3 | 21.6 | 21.5 | 21.7 |
| | | 1 | 1 | 26.1 | 26.0 | 26.0 | 25.7 | 25.6 | 25.2 | 25.1 | 25.2 | 24.9 | 25.1 | 25.1 | **25.2** |
| | | 1 | 63 | **26.1** | 26.0 | 26.0 | 25.6 | 25.4 | 25.3 | **25.4** | 25.0 | 24.9 | **25.2** | 25.1 | 25.0 |
| | | 1 | 64 | 23.6 | 23.5 | 23.5 | 22.1 | 21.9 | 21.7 | 21.8 | 21.5 | 21.5 | 21.8 | 21.7 | 21.3 |
| | | 32 | 16 | 26.0 | 26.0 | 26.0 | **25.7** | 25.4 | 25.3 | 25.4 | 25.1 | 24.9 | 25.1 | 25.1 | 24.9 |
| | | 64 | 0 | 25.9 | 25.9 | 26.0 | 23.7 | 23.4 | 23.3 | 24.4 | 24.1 | 24.0 | 24.2 | 24.2 | 23.9 |
| | 16QAM | 1 | 0 | 22.5 | 22.3 | 22.7 | 22.2 | 22.1 | 21.8 | 21.9 | 21.6 | 21.5 | 21.8 | 21.7 | 21.4 |
| | | 1 | 1 | 24.9 | 24.8 | 24.9 | 24.7 | 24.5 | 24.3 | 24.3 | 24.1 | 24.0 | 24.3 | 24.1 | 23.9 |
| | | 1 | 63 | 24.9 | 24.9 | 24.9 | 24.6 | 24.4 | 24.4 | 24.2 | 23.9 | 23.9 | **24.4** | 24.0 | 23.7 |
| | | 1 | 64 | 22.5 | 22.3 | 22.6 | 22.2 | 21.9 | 21.8 | 21.6 | 21.4 | 21.5 | 21.6 | 21.6 | 21.2 |
| | | 32 | 16 | 25.0 | 25.0 | **25.0** | **24.7** | 24.4 | 24.3 | **24.4** | 24.2 | 24.0 | 24.2 | 24.1 | 24.0 |
| | | 64 | 0 | 24.9 | 24.9 | 24.9 | 22.8 | 22.3 | 22.2 | 23.4 | 23.1 | 22.9 | 23.3 | 23.1 | 22.9 |
| | 64QAM | 1 | 0 | 22.2 | 22.2 | 22.3 | 22.5 | 22.1 | 21.9 | 21.8 | 21.6 | 21.8 | 22.3 | 21.8 | 21.4 |
| | | 1 | 1 | 24.8 | 24.9 | 24.9 | **23.4** | 22.9 | 22.8 | 22.8 | 22.6 | 22.8 | 22.6 | **22.8** | 22.3 |
| | | 1 | 63 | 24.7 | 24.9 | 24.9 | 23.3 | 22.8 | 22.8 | 22.8 | 22.4 | 22.7 | 22.8 | 22.7 | 22.2 |
| | | 1 | 64 | 22.3 | 22.3 | 22.3 | 22.3 | 21.8 | 21.9 | 21.8 | 21.4 | 21.7 | 22.7 | 21.7 | 21.3 |
| | | 32 | 16 | 24.7 | 24.9 | 24.9 | 23.2 | 22.9 | 22.7 | 22.9 | 22.7 | 22.5 | 21.6 | 22.7 | 22.5 |
| | | 64 | 0 | **24.9** | 24.9 | 24.9 | 22.2 | 22.0 | 21.8 | **23.0** | 22.6 | 22.4 | 22.7 | 22.7 | 22.4 |
| | 256QAM | 1 | 0 | 22.8 | 22.5 | 22.7 | 21.3 | **21.4** | 20.6 | **20.9** | 20.4 | 20.5 | 20.5 | 20.5 | 20.2 |
| | | 1 | 1 | **22.8** | 22.6 | 22.4 | 21.2 | 21.3 | 20.5 | 20.9 | 20.4 | 20.5 | 20.6 | 20.5 | 20.4 |
| | | 1 | 63 | 22.5 | 22.7 | 22.7 | 21.1 | 21.2 | 20.6 | 20.8 | 20.2 | 20.5 | 20.5 | 20.4 | 20.1 |
| | | 1 | 64 | 22.8 | 22.6 | 22.7 | 21.1 | 21.2 | 20.6 | 20.8 | 20.3 | 20.5 | 20.6 | 20.5 | 20.0 |
| | | 32 | 16 | 22.4 | 22.5 | 22.5 | 21.2 | 20.9 | 20.8 | 20.9 | 20.6 | 20.5 | 20.6 | **20.7** | 20.4 |
| | | 64 | 0 | 22.4 | 22.5 | 22.5 | 21.2 | 20.9 | 20.8 | 20.9 | 20.6 | 20.4 | 20.6 | 20.6 | 20.4 |



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## OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 631000 | 633332 | 635666 | 631000 | 633332 | 635666 | 631000 | 633332 | 635666 | 631000 | 633332 | 635666 |
| | | | | 3465.0 | 3500.0 | 3535.0 | 3465.0 | 3500.0 | 3535.0 | 3465.0 | 3500.0 | 3535.0 | 3465.0 | 3500.0 | 3535.0 |
| 30.0 | BPSK | 1 | 0 | 24.1 | 24.2 | 24.1 | 22.2 | 22.1 | 21.8 | 22.1 | 21.9 | 21.5 | 21.8 | 21.7 | 21.6 |
| | | 1 | 1 | 26.0 | 26.1 | 26.2 | 25.7 | 25.6 | 25.3 | **25.5** | 25.4 | 25.1 | 25.3 | **25.3** | 25.1 |
| | | 1 | 76 | 26.2 | 26.1 | **26.3** | 25.7 | 25.4 | 25.4 | 25.4 | 25.1 | 25.0 | 25.3 | 25.2 | 24.9 |
| | | 1 | 77 | 24.2 | 24.2 | 24.2 | 22.2 | 21.9 | 21.9 | 21.9 | 21.6 | 21.5 | 21.8 | 21.7 | 21.4 |
| | | 36 | 18 | 26.2 | 26.1 | 26.1 | **25.7** | 25.5 | 25.4 | 25.5 | 25.2 | 25.1 | **25.3** | 25.3 | 25.1 |
| | | 75 | 0 | 26.0 | 26.2 | 26.2 | 24.3 | 24.1 | 23.9 | 25.0 | 24.7 | 24.6 | 24.8 | 24.8 | 24.5 |
| | QPSK | 1 | 0 | 23.5 | 23.6 | 23.7 | 22.4 | 22.1 | 21.8 | 22.0 | 21.8 | 21.6 | 21.7 | 21.9 | 21.7 |
| | | 1 | 1 | 26.2 | 26.0 | 26.2 | **25.9** | 25.7 | 25.3 | 25.4 | **25.4** | 25.0 | **25.3** | 25.2 | 25.2 |
| | | 1 | 76 | 26.1 | 26.1 | **26.3** | 25.7 | 25.5 | 25.3 | 25.3 | 25.1 | 25.0 | 25.2 | 25.2 | 24.9 |
| | | 1 | 77 | 23.6 | 23.6 | 23.7 | 22.2 | 22.0 | 21.8 | 21.9 | 21.6 | 21.5 | 21.9 | 21.8 | 21.5 |
| | | 36 | 18 | 26.1 | 26.2 | 26.2 | 25.8 | 25.6 | 25.5 | 25.4 | 25.2 | 25.1 | **25.3** | 25.3 | 25.1 |
| | | 75 | 0 | 26.1 | 26.1 | 26.2 | 23.8 | 23.5 | 23.4 | 24.5 | 24.2 | 24.1 | 24.3 | 24.3 | 24.1 |
| | 16QAM | 1 | 0 | 22.4 | 22.5 | 22.3 | 22.4 | 22.4 | 21.9 | 22.1 | 22.0 | 21.8 | 21.9 | 21.8 | 21.7 |
| | | 1 | 1 | 24.9 | 24.9 | 24.9 | **24.9** | 24.8 | 24.3 | **24.5** | **24.5** | 24.2 | 24.4 | 24.1 | 24.3 |
| | | 1 | 76 | 25.2 | 25.0 | 25.1 | 24.7 | 24.5 | 24.3 | 24.5 | 24.2 | 24.2 | **24.4** | 24.1 | 23.9 |
| | | 1 | 77 | 22.6 | 22.4 | 22.5 | 22.1 | 22.1 | 21.9 | 21.9 | 21.6 | 21.8 | 21.9 | 21.6 | 21.4 |
| | | 36 | 18 | 25.1 | **25.2** | 25.2 | 24.7 | 24.5 | 24.3 | 24.5 | 24.2 | 24.0 | 24.3 | 24.3 | 24.1 |
| | | 75 | 0 | 25.1 | 25.2 | 25.2 | 22.8 | 22.5 | 22.3 | 23.5 | 23.2 | 23.1 | 23.4 | 23.3 | 23.1 |
| | 64QAM | 1 | 0 | 22.3 | 22.9 | 22.3 | 22.2 | 22.0 | 21.6 | 22.1 | 21.9 | 21.7 | 21.9 | 22.0 | 21.5 |
| | | 1 | 1 | 25.0 | 25.0 | 25.1 | 23.2 | 23.1 | 22.7 | 22.9 | **23.1** | 22.8 | 23.0 | 22.8 | 22.5 |
| | | 1 | 76 | 25.1 | 25.1 | **25.1** | 23.0 | 22.8 | 22.7 | 22.8 | 23.0 | 22.7 | **23.0** | 22.7 | 22.4 |
| | | 1 | 77 | 22.4 | 22.8 | 22.5 | 22.0 | 21.9 | 21.7 | 21.8 | 21.8 | 21.7 | 21.8 | 21.9 | 21.5 |
| | | 36 | 18 | 25.0 | 25.0 | 25.1 | **23.3** | 23.0 | 22.9 | 23.0 | 22.7 | 22.6 | 22.8 | 22.8 | 22.6 |
| | | 75 | 0 | 25.1 | 25.1 | 24.9 | 22.3 | 22.0 | 21.9 | 22.9 | 22.7 | 22.6 | 22.9 | 22.8 | 22.6 |
| | 256QAM | 1 | 0 | 22.4 | 22.7 | 22.7 | **21.4** | 21.3 | 21.0 | 21.0 | 21.0 | 20.7 | 20.7 | 20.9 | 20.6 |
| | | 1 | 1 | 22.6 | **22.9** | 22.8 | 21.4 | 21.2 | 21.0 | **21.1** | 20.7 | 20.7 | 20.8 | **20.9** | 20.5 |
| | | 1 | 76 | 22.5 | 22.6 | 22.8 | 21.4 | 20.8 | 21.0 | 21.0 | 20.5 | 20.5 | 20.8 | 20.8 | 20.3 |
| | | 1 | 77 | 22.5 | 22.6 | 22.8 | 21.2 | 21.0 | 21.0 | 20.8 | 20.6 | 20.6 | 20.8 | 20.8 | 20.3 |
| | | 36 | 18 | 22.6 | 22.7 | 22.6 | 21.3 | 21.0 | 20.9 | 21.0 | 20.7 | 20.6 | 20.8 | 20.8 | 20.6 |
| | | 75 | 0 | 22.5 | 22.7 | 22.6 | 21.2 | 21.0 | 20.9 | 21.0 | 20.7 | 20.6 | 20.9 | 20.7 | 20.6 |

## OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 631332 | 633332 | 635332 | 631332 | 633332 | 635332 | 631332 | 633332 | 635332 | 631332 | 633332 | 635332 |
| | | | | 3470.0 | 3500.0 | 3530.0 | 3470.0 | 3500.0 | 3530.0 | 3470.0 | 3500.0 | 3530.0 | 3470.0 | 3500.0 | 3530.0 |
| 40.0 | BPSK | 1 | 0 | 24.0 | 24.2 | 24.2 | 22.4 | 22.1 | 21.9 | 22.1 | 22.1 | 21.5 | 21.8 | 21.7 | 21.6 |
| | | 1 | 1 | 26.0 | 26.2 | **26.3** | **25.9** | 25.7 | 25.5 | **25.6** | 25.5 | 25.0 | 25.3 | 25.2 | 25.0 |
| | | 1 | 104 | 26.2 | 26.1 | 26.3 | 25.6 | 25.4 | 25.6 | 25.3 | 25.3 | 25.0 | 25.3 | **25.4** | 24.8 |
| | | 1 | 105 | 24.0 | 24.1 | 24.2 | 22.0 | 21.8 | 22.1 | 22.0 | 21.7 | 21.7 | 21.9 | 21.6 | 21.5 |
| | | 50 | 25 | 26.1 | 26.2 | 26.2 | 25.8 | 25.5 | 25.4 | 25.5 | 25.3 | 25.2 | 25.3 | 25.3 | 25.1 |
| | | 100 | 0 | 26.1 | 26.1 | 26.1 | 24.2 | 24.0 | 23.8 | 25.0 | 24.8 | 24.7 | 24.8 | 24.8 | 24.6 |
| | QPSK | 1 | 0 | 23.5 | 23.6 | 23.7 | 22.4 | 22.1 | 21.9 | 22.2 | 22.0 | 21.7 | 21.8 | 21.7 | 21.8 |
| | | 1 | 1 | 26.1 | 26.2 | 26.2 | **25.9** | 25.6 | 25.4 | **25.7** | 25.5 | 25.2 | 25.3 | 25.2 | 25.2 |
| | | 1 | 104 | 26.2 | 26.3 | **26.3** | 25.7 | 25.4 | 25.4 | 25.5 | 25.2 | 25.2 | 25.4 | 25.2 | 24.9 |
| | | 1 | 105 | 23.7 | 23.7 | 23.7 | 22.2 | 21.9 | 21.9 | 22.0 | 21.6 | 21.7 | 21.9 | 21.7 | 21.5 |
| | | 50 | 25 | 26.1 | 26.1 | 26.2 | 25.7 | 25.5 | 25.4 | 25.5 | 25.3 | 25.2 | **25.4** | 25.3 | 25.1 |
| | | 100 | 0 | 26.1 | 26.2 | 26.1 | 23.7 | 23.5 | 23.4 | 24.5 | 24.3 | 24.2 | 24.4 | 24.3 | 24.1 |
| | 16QAM | 1 | 0 | 22.5 | 22.7 | 22.5 | 22.2 | 22.1 | 21.7 | 22.2 | 21.9 | 21.5 | 21.9 | 22.0 | 21.6 |
| | | 1 | 1 | 24.6 | 24.9 | 25.0 | **24.7** | 24.5 | 24.1 | **24.6** | 24.4 | 24.0 | 24.4 | 24.4 | 24.0 |
| | | 1 | 104 | 24.6 | **25.2** | 25.2 | 24.6 | 24.3 | 24.3 | 24.4 | 24.2 | 24.1 | 24.3 | 24.1 | 23.8 |
| | | 1 | 105 | 22.5 | 22.6 | 22.5 | 22.0 | 21.9 | 21.7 | 21.7 | 21.6 | 21.5 | 21.8 | 21.6 | 21.3 |
| | | 50 | 25 | 25.2 | 25.1 | 25.2 | 24.7 | 24.5 | 24.4 | 24.5 | 24.4 | 24.2 | **24.4** | 24.3 | 24.1 |
| | | 100 | 0 | 25.2 | 25.1 | 25.2 | 22.7 | 22.6 | 22.3 | 23.5 | 23.3 | 23.2 | 23.4 | 23.2 | 23.1 |
| | 64QAM | 1 | 0 | 22.6 | 22.7 | 22.5 | 22.3 | 21.9 | 21.8 | 22.1 | 22.1 | 21.5 | 21.9 | 21.7 | 21.8 |
| | | 1 | 1 | 25.1 | 24.9 | 25.0 | **23.4** | 22.8 | 22.7 | **23.1** | 23.0 | 22.5 | 22.8 | 22.7 | 22.8 |
| | | 1 | 104 | 25.0 | 25.0 | 25.0 | 23.1 | 22.7 | 22.8 | 22.9 | 22.7 | 22.6 | 22.8 | 22.6 | 22.5 |
| | | 1 | 105 | 22.5 | 22.8 | 22.6 | 22.0 | 21.7 | 21.8 | 21.9 | 21.7 | 21.6 | 21.8 | 21.6 | 21.5 |
| | | 50 | 25 | 25.1 | 25.1 | 25.2 | 23.2 | 23.0 | 22.9 | 23.1 | 22.8 | 22.7 | **22.9** | 22.7 | 22.6 |
| | | 100 | 0 | 25.0 | **25.2** | 25.1 | 22.2 | 21.9 | 21.9 | 23.0 | 22.9 | 22.7 | 22.8 | 22.8 | 22.6 |
| | 256QAM | 1 | 0 | 22.4 | 22.3 | 22.7 | **21.5** | 20.9 | 20.9 | **21.3** | 21.1 | 20.7 | 20.7 | 20.6 | 20.6 |
| | | 1 | 1 | 22.5 | 22.7 | 22.6 | 21.4 | 20.9 | 20.9 | 21.3 | 21.0 | 20.6 | 20.8 | 20.7 | 20.6 |
| | | 1 | 104 | 22.5 | 22.7 | **22.9** | 21.3 | 20.7 | 20.7 | 21.0 | 20.7 | 20.7 | 20.7 | 20.5 | 20.3 |
| | | 1 | 105 | 22.5 | 22.8 | 22.8 | 21.2 | 20.7 | 20.9 | 21.1 | 20.8 | 20.7 | 20.7 | 20.5 | 20.3 |
| | | 50 | 25 | 22.5 | 22.6 | 22.7 | 21.1 | 21.1 | 20.9 | 21.0 | 20.8 | 20.7 | **20.9** | 20.7 | 20.7 |
| | | 100 | 0 | 22.6 | 22.6 | 22.7 | 21.1 | 21.0 | 20.9 | 21.0 | 20.8 | 20.7 | 20.8 | 20.8 | 20.6 |



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## OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 631666 | 633332 | 634998 | 631666 | 633332 | 634998 | 631666 | 633332 | 634998 | 631666 | 633332 | 634998 |
| | | | | 3475.0 | 3500.0 | 3525.0 | 3475.0 | 3500.0 | 3525.0 | 3475.0 | 3500.0 | 3525.0 | 3475.0 | 3500.0 | 3525.0 |
| 50.0 | BPSK | 1 | 0 | 24.2 | 24.1 | 24.2 | 22.3 | 22.1 | 22.0 | 22.2 | 21.5 | 21.8 | 21.8 | 21.8 | 21.8 |
| | | 1 | 1 | 26.1 | 26.1 | 26.2 | **25.8** | 25.6 | 25.5 | **25.7** | 25.6 | 25.3 | 25.3 | **25.3** | 25.3 |
| | | 1 | 131 | **26.3** | 26.1 | 26.2 | 25.5 | 25.4 | 25.4 | 25.4 | 25.2 | 25.2 | 25.2 | 25.2 | 25.0 |
| | | 1 | 132 | 24.3 | 24.1 | 24.2 | 22.0 | 21.9 | 21.9 | 21.9 | 21.7 | 21.6 | 21.8 | 21.7 | 21.4 |
| | | 64 | 32 | 26.1 | 26.0 | 26.0 | 25.7 | 25.6 | 25.4 | 25.5 | 25.3 | 25.3 | 25.3 | 19.3 | 25.2 |
| | | 128 | 0 | 26.0 | 26.0 | 26.1 | 24.2 | 24.0 | 23.9 | 25.1 | 24.8 | 24.7 | 24.8 | 24.8 | 24.7 |
| | QPSK | 1 | 0 | 23.5 | 23.7 | 23.7 | 22.4 | 22.2 | 22.0 | 22.2 | 22.0 | 21.8 | 21.8 | 21.9 | 21.8 |
| | | 1 | 1 | 26.0 | 26.1 | 26.0 | **25.9** | 25.7 | 25.5 | **25.6** | 25.5 | 25.3 | 25.3 | **25.4** | 25.2 |
| | | 1 | 131 | 26.2 | 26.3 | **26.3** | 25.6 | 25.4 | 25.4 | 25.3 | 25.2 | 25.2 | 25.3 | 25.3 | 24.9 |
| | | 1 | 132 | 23.7 | 23.6 | 23.7 | 22.1 | 21.9 | 21.9 | 21.8 | 21.8 | 21.6 | 21.8 | 21.7 | 21.4 |
| | | 64 | 32 | 26.1 | 26.1 | **26.3** | 25.7 | 25.5 | 25.4 | 25.5 | 25.3 | 25.3 | 25.3 | 25.3 | 25.2 |
| | | 128 | 0 | 26.0 | 26.0 | 26.1 | 23.7 | 23.6 | 23.4 | 24.6 | 24.3 | 24.2 | 24.3 | 24.3 | 24.2 |
| | 16QAM | 1 | 0 | 22.5 | 22.8 | 22.6 | 22.6 | 22.2 | 22.0 | 22.2 | 22.1 | 21.6 | 22.1 | 21.7 | 21.6 |
| | | 1 | 1 | 25.0 | 25.1 | 25.1 | **25.1** | 24.8 | 24.6 | **24.7** | 24.6 | 24.1 | **24.6** | 24.1 | 24.0 |
| | | 1 | 131 | 25.1 | 25.0 | **25.3** | 24.6 | 24.5 | 24.5 | 24.3 | 24.3 | 24.0 | 24.5 | 24.4 | 23.9 |
| | | 1 | 132 | 22.5 | 22.8 | 22.6 | 22.3 | 22.0 | 21.9 | 21.8 | 21.8 | 21.5 | 21.9 | 21.9 | 21.4 |
| | | 64 | 32 | 25.2 | 25.2 | 25.0 | 24.7 | 24.5 | 24.4 | 24.5 | 24.3 | 24.2 | 24.3 | 24.3 | 24.2 |
| | | 128 | 0 | 25.0 | 25.2 | 25.1 | 22.7 | 22.6 | 22.4 | 23.5 | 23.3 | 23.2 | 23.4 | 23.4 | 23.1 |
| | 64QAM | 1 | 0 | 22.6 | 23.1 | 22.5 | 22.3 | 22.0 | 21.8 | 22.3 | 22.1 | 21.6 | 21.7 | 21.9 | 21.7 |
| | | 1 | 1 | 25.0 | 25.2 | 25.0 | **23.3** | 23.0 | 22.8 | **23.2** | 23.0 | 22.5 | 22.7 | **22.9** | 22.7 |
| | | 1 | 131 | 25.1 | **25.3** | 25.1 | 22.9 | 22.8 | 22.9 | 22.9 | 22.8 | 22.5 | 22.7 | 22.8 | 22.4 |
| | | 1 | 132 | 22.9 | 23.0 | 22.8 | 21.9 | 21.8 | 21.8 | 21.8 | 21.6 | 21.6 | 21.6 | 21.8 | 21.4 |
| | | 64 | 32 | 25.1 | 25.1 | 25.1 | 23.2 | 23.1 | 22.9 | 23.1 | 22.8 | 22.7 | 22.9 | 22.8 | 22.7 |
| | | 128 | 0 | 25.2 | 25.1 | 25.1 | 22.2 | 22.0 | 21.9 | 23.0 | 22.8 | 22.7 | 22.8 | 22.8 | 22.7 |
| | 256QAM | 1 | 0 | 22.6 | 22.9 | 22.6 | **21.5** | 21.0 | 21.1 | 21.3 | 21.0 | 20.8 | **21.1** | 21.0 | 21.0 |
| | | 1 | 1 | 22.5 | 22.7 | 22.6 | 21.5 | 21.0 | 21.0 | **21.3** | 21.0 | 20.6 | 21.0 | 21.0 | 20.9 |
| | | 1 | 131 | 22.7 | **23.0** | 22.8 | 21.1 | 20.8 | 20.9 | 20.9 | 20.7 | 20.7 | 21.0 | 20.8 | 20.6 |
| | | 1 | 132 | 22.6 | 22.7 | 22.9 | 21.2 | 20.8 | 20.9 | 20.9 | 20.8 | 20.6 | 21.0 | 20.8 | 20.7 |
| | | 64 | 32 | 22.6 | 22.6 | 22.7 | 21.1 | 21.0 | 20.9 | 21.0 | 20.8 | 20.7 | 20.9 | 20.8 | 20.7 |
| | | 128 | 0 | 22.6 | 22.6 | 22.7 | 21.2 | 21.0 | 20.9 | 21.0 | 20.9 | 20.7 | 20.9 | 20.8 | 20.7 |

## OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 632000 | 633332 | 634666 | 632000 | 633332 | 634666 | 632000 | 633332 | 634666 | 632000 | 633332 | 634666 |
| | | | | 3480.0 | 3500.0 | 3520.0 | 3480.0 | 3500.0 | 3520.0 | 3480.0 | 3500.0 | 3520.0 | 3480.0 | 3500.0 | 3520.0 |
| 60.0 | BPSK | 1 | 0 | 24.2 | 24.1 | 24.2 | 22.3 | 22.1 | 22.0 | 22.1 | 21.9 | 21.8 | 21.8 | 21.8 | 21.7 |
| | | 1 | 1 | 26.1 | 26.1 | 26.2 | **25.8** | 25.6 | 25.5 | **25.6** | 25.4 | 25.4 | 25.3 | **25.4** | 25.3 |
| | | 1 | 160 | **26.3** | 26.1 | 26.2 | 25.5 | 25.4 | 25.4 | 25.1 | 25.1 | 25.0 | 25.2 | 25.1 | 25.0 |
| | | 1 | 161 | 24.3 | 24.1 | 24.2 | 22.0 | 21.9 | 21.9 | 21.6 | 21.6 | 21.5 | 21.7 | 21.6 | 21.4 |
| | | 81 | 40 | 26.1 | 26.0 | 26.0 | 25.7 | 25.6 | 25.4 | 25.5 | 25.2 | 25.1 | 25.3 | 25.3 | 25.2 |
| | | 162 | 0 | 26.0 | 26.0 | 26.1 | 24.2 | 24.0 | 23.9 | 25.0 | 24.8 | 24.7 | 24.8 | 24.8 | 24.8 |
| | QPSK | 1 | 0 | 23.5 | 23.7 | 23.7 | 22.4 | 22.2 | 22.0 | 22.0 | 21.9 | 21.8 | 21.8 | 21.8 | 21.7 |
| | | 1 | 1 | 26.0 | 26.1 | 26.0 | **25.9** | 25.7 | 25.5 | **25.6** | 25.4 | 25.3 | 25.3 | **25.4** | 25.2 |
| | | 1 | 160 | 26.2 | 26.3 | **26.3** | 25.6 | 25.4 | 25.4 | 25.2 | 25.1 | 25.1 | 25.2 | 25.2 | 25.0 |
| | | 1 | 161 | 23.7 | 23.6 | 23.7 | 22.1 | 21.9 | 21.9 | 21.6 | 21.6 | 21.5 | 21.7 | 21.7 | 21.4 |
| | | 81 | 40 | 26.1 | 26.1 | **26.3** | 25.7 | 25.5 | 25.4 | 25.5 | 25.2 | 25.2 | 25.3 | 25.3 | 25.2 |
| | | 162 | 0 | 26.0 | 26.0 | 26.1 | 23.7 | 23.6 | 23.4 | 24.5 | 24.2 | 24.2 | 24.3 | 24.3 | 24.2 |
| | 16QAM | 1 | 0 | 22.5 | 22.8 | 22.6 | 22.6 | 22.2 | 22.0 | 22.0 | 21.9 | 21.9 | 21.9 | 21.7 | 21.8 |
| | | 1 | 1 | 25.0 | 25.1 | 25.1 | **25.1** | 24.8 | 24.6 | **24.7** | 24.5 | 24.4 | **24.4** | 24.3 | 24.4 |
| | | 1 | 160 | 25.1 | 25.0 | **25.3** | 24.6 | 24.5 | 24.5 | 24.1 | 24.1 | 24.1 | 24.3 | 24.1 | 24.1 |
| | | 1 | 161 | 22.5 | 22.8 | 22.6 | 22.3 | 22.0 | 21.9 | 21.7 | 21.5 | 21.6 | 21.8 | 21.5 | 21.4 |
| | | 81 | 40 | 25.2 | 25.2 | 25.0 | 24.7 | 24.5 | 24.4 | 24.5 | 24.2 | 24.2 | 24.3 | 24.2 | 24.3 |
| | | 162 | 0 | 25.0 | 25.2 | 25.1 | 22.7 | 22.6 | 22.4 | 23.5 | 23.3 | 23.2 | 23.4 | 23.3 | 23.2 |
| | 64QAM | 1 | 0 | 22.6 | 23.1 | 22.5 | 22.3 | 22.0 | 21.8 | 22.1 | 21.7 | 21.8 | 22.0 | 21.7 | 21.8 |
| | | 1 | 1 | 25.0 | 25.2 | 25.0 | **23.3** | 23.0 | 22.8 | **23.1** | 22.7 | 23.0 | 22.9 | 22.8 | **22.9** |
| | | 1 | 160 | 25.1 | **25.3** | 25.1 | 22.9 | 22.8 | 22.9 | 22.8 | 22.5 | 22.7 | 22.7 | 22.6 | 22.5 |
| | | 1 | 161 | 22.9 | 23.0 | 22.8 | 21.9 | 21.8 | 21.8 | 21.6 | 21.5 | 21.8 | 21.6 | 21.6 | 21.5 |
| | | 81 | 40 | 25.1 | 25.1 | 25.1 | 23.2 | 23.1 | 22.9 | 23.0 | 22.7 | 22.7 | 22.8 | 22.8 | 22.7 |
| | | 162 | 0 | 25.2 | 25.1 | 25.1 | 22.2 | 22.0 | 21.9 | 23.0 | 22.8 | 22.7 | 22.9 | 22.8 | 22.7 |
| | 256QAM | 1 | 0 | 22.6 | 22.9 | 22.6 | **21.5** | 21.0 | 21.1 | 21.0 | 21.0 | 20.8 | 21.0 | 20.8 | 20.9 |
| | | 1 | 1 | 22.5 | 22.7 | 22.6 | 21.5 | 21.0 | 21.0 | **21.1** | 21.0 | 20.8 | **21.1** | 20.9 | 20.8 |
| | | 1 | 160 | 22.7 | **23.0** | 22.8 | 21.1 | 20.8 | 20.9 | 20.6 | 20.6 | 20.6 | 20.9 | 20.7 | 20.5 |
| | | 1 | 161 | 22.6 | 22.7 | 22.9 | 21.2 | 20.8 | 20.9 | 20.7 | 20.6 | 20.5 | 20.8 | 20.6 | 20.4 |
| | | 81 | 40 | 22.6 | 22.6 | 22.7 | 21.1 | 21.0 | 20.9 | 21.0 | 20.7 | 20.6 | 20.8 | 20.7 | 20.7 |
| | | 162 | 0 | 22.6 | 22.6 | 22.7 | 21.2 | 21.0 | 20.9 | 21.0 | 20.8 | 20.7 | 20.8 | 20.8 | 20.7 |



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## OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 632333 | 633332 | 634333 | 632333 | 633332 | 634333 | 632333 | 633332 | 634333 | 632333 | 633332 | 634333 |
| | | | | 3485.0 | 3500.0 | 3515.0 | 3485.0 | 3500.0 | 3515.0 | 3485.0 | 3500.0 | 3515.0 | 3485.0 | 3500.0 | 3515.0 |
| 70.0 | BPSK | 1 | 0 | 24.0 | 24.1 | 24.1 | 22.3 | 22.2 | 22.0 | 22.0 | 22.0 | 21.5 | 21.8 | 21.8 | 21.4 |
| | | 1 | 1 | 26.1 | 26.1 | 26.1 | **25.9** | 25.7 | 25.5 | **25.5** | 25.5 | 25.1 | 25.2 | **25.4** | 24.9 |
| | | 1 | 187 | 26.2 | 26.1 | **26.4** | 25.5 | 25.4 | 25.4 | 25.1 | 25.2 | 25.2 | 25.2 | 25.1 | 24.9 |
| | | 1 | 188 | 24.2 | 24.2 | 24.3 | 21.9 | 21.9 | 21.9 | 21.6 | 21.6 | 21.6 | 21.7 | 21.6 | 21.3 |
| | | 90 | 45 | 26.1 | 26.2 | 26.1 | 25.7 | 25.6 | 25.4 | 25.5 | 25.3 | 25.1 | 25.3 | 25.3 | 24.9 |
| | | 180 | 0 | 26.1 | 26.1 | 26.2 | 24.2 | 24.1 | 24.0 | 24.9 | 24.8 | 24.6 | 24.8 | 24.8 | 24.5 |
| | QPSK | 1 | 0 | 23.5 | 23.6 | 23.6 | 22.3 | 22.3 | 21.9 | 22.0 | 21.9 | 21.5 | 21.8 | 21.9 | 21.3 |
| | | 1 | 1 | 26.1 | 26.1 | 26.1 | **25.9** | 25.8 | 25.4 | **25.6** | 25.5 | 25.1 | 25.3 | **25.3** | 24.9 |
| | | 1 | 187 | 26.2 | 26.2 | **26.2** | 25.4 | 25.4 | 25.4 | 25.1 | 25.2 | 25.2 | 25.2 | 25.1 | 24.9 |
| | | 1 | 188 | 23.6 | 23.8 | 23.7 | 21.9 | 21.9 | 21.8 | 21.7 | 21.5 | 21.6 | 21.7 | 21.7 | 21.4 |
| | | 90 | 45 | 26.1 | 26.2 | 26.1 | 25.6 | 25.5 | 25.4 | 25.4 | 25.2 | 25.1 | 25.3 | 25.3 | 24.9 |
| | | 180 | 0 | 26.1 | 26.1 | 26.2 | 23.6 | 23.6 | 23.5 | 24.5 | 24.3 | 24.1 | 24.4 | 24.3 | 23.9 |
| | 16QAM | 1 | 0 | 22.7 | 22.5 | 22.6 | 22.4 | 22.1 | 21.9 | 22.1 | 22.0 | 21.9 | 21.8 | 21.9 | 21.4 |
| | | 1 | 1 | 25.0 | 24.9 | **25.2** | **24.9** | 24.6 | 24.4 | **24.6** | 24.5 | 23.9 | 24.4 | **24.5** | 24.0 |
| | | 1 | 187 | 25.2 | 25.0 | 25.1 | 24.4 | 24.3 | 24.3 | 24.2 | 24.1 | 24.1 | 24.2 | 24.3 | 23.9 |
| | | 1 | 188 | 22.7 | 22.5 | 22.8 | 21.9 | 21.8 | 21.8 | 21.6 | 21.6 | 21.7 | 21.7 | 21.8 | 21.4 |
| | | 90 | 45 | 25.1 | 25.1 | 25.1 | 24.6 | 24.5 | 24.4 | 24.5 | 24.2 | 24.0 | 24.3 | 24.3 | 23.9 |
| | | 180 | 0 | 25.2 | 25.0 | 25.2 | 22.6 | 22.6 | 22.4 | 23.5 | 23.3 | 23.1 | 23.3 | 23.3 | 22.9 |
| | 64QAM | 1 | 0 | 22.4 | 22.6 | 22.5 | 22.5 | 22.2 | 21.9 | 22.0 | 22.0 | 21.6 | 21.9 | 21.9 | 21.3 |
| | | 1 | 1 | 24.9 | 25.0 | 25.0 | **23.3** | 23.3 | 22.9 | **23.1** | 23.0 | 22.5 | 22.9 | **22.9** | 22.4 |
| | | 1 | 187 | 24.7 | 24.9 | 25.0 | 23.0 | 22.9 | 22.8 | 22.6 | 22.7 | 22.7 | 22.8 | 22.7 | 22.3 |
| | | 1 | 188 | 22.7 | 22.9 | 23.0 | 21.9 | 21.8 | 21.8 | 21.7 | 21.7 | 21.6 | 21.7 | 21.7 | 21.3 |
| | | 90 | 45 | 25.0 | 25.0 | 25.0 | 23.2 | 23.1 | 22.9 | 23.0 | 22.7 | 22.6 | 22.9 | 22.8 | 22.4 |
| | | 180 | 0 | **25.1** | 25.0 | 25.0 | 22.2 | 22.0 | 22.0 | 23.0 | 22.8 | 22.6 | 22.9 | 22.7 | 22.4 |
| | 256QAM | 1 | 0 | **22.9** | 22.3 | 22.4 | 21.3 | 21.3 | 21.1 | 21.2 | 20.9 | 20.4 | 21.1 | 20.9 | 20.5 |
| | | 1 | 1 | 22.4 | 22.3 | 22.6 | **21.4** | 21.4 | 21.1 | **21.3** | 21.0 | 20.5 | **21.1** | 21.0 | 20.5 |
| | | 1 | 187 | 22.8 | 22.8 | 22.5 | 20.9 | 21.0 | 21.0 | 20.9 | 20.6 | 20.6 | 20.9 | 20.8 | 20.4 |
| | | 1 | 188 | 22.5 | 22.7 | 22.6 | 20.9 | 21.0 | 21.0 | 20.9 | 20.7 | 20.5 | 20.9 | 20.7 | 20.4 |
| | | 90 | 45 | 22.5 | 22.6 | 22.7 | 21.2 | 21.0 | 20.9 | 20.9 | 20.8 | 20.6 | 20.8 | 20.8 | 20.4 |
| | | 180 | 0 | 22.5 | 22.6 | 22.6 | 21.2 | 21.1 | 21.0 | 21.0 | 20.8 | 20.6 | 20.8 | 20.8 | 20.4 |

## OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 632666 | 633332 | 633998 | 632666 | 633332 | 633998 | 632666 | 633332 | 633998 | 632666 | 633332 | 633998 |
| | | | | 3490.0 | 3500.0 | 3510.0 | 3490.0 | 3500.0 | 3510.0 | 3490.0 | 3500.0 | 3510.0 | 3490.0 | 3500.0 | 3510.0 |
| 80.0 | BPSK | 1 | 0 | 24.0 | 24.2 | 24.2 | 22.3 | 22.3 | 22.1 | 22.0 | 22.0 | 21.9 | 21.7 | 21.8 | 21.8 |
| | | 1 | 1 | 26.2 | 26.2 | 26.2 | **25.9** | 25.8 | 25.7 | **25.7** | 25.6 | 25.5 | 25.3 | 25.4 | **25.4** |
| | | 1 | 215 | 26.2 | 26.2 | **26.4** | 25.5 | 25.4 | 25.4 | 25.1 | 25.1 | 25.1 | 25.2 | 25.1 | 25.0 |
| | | 1 | 216 | 24.4 | 24.2 | 24.1 | 21.9 | 21.9 | 21.9 | 21.7 | 21.7 | 21.6 | 21.7 | 21.6 | 21.4 |
| | | 108 | 54 | 26.1 | 26.1 | 26.1 | 25.7 | 25.5 | 25.4 | 25.3 | 25.3 | 25.1 | 25.3 | 25.3 | 25.2 |
| | | 216 | 0 | 26.2 | 26.2 | 26.3 | 24.2 | 24.0 | 23.9 | 24.8 | 24.7 | 24.6 | 24.8 | 24.8 | 24.7 |
| | QPSK | 1 | 0 | 23.6 | 23.6 | 23.5 | 22.3 | 22.2 | 22.1 | 22.1 | 22.1 | 21.8 | 21.8 | 21.9 | 21.8 |
| | | 1 | 1 | 26.1 | 26.0 | 26.3 | **25.9** | 25.8 | 25.7 | **25.7** | 25.6 | 25.4 | **25.4** | 25.3 | **25.4** |
| | | 1 | 215 | 26.2 | **26.4** | 26.2 | 25.4 | 25.4 | 25.4 | 25.1 | 25.2 | 25.1 | 25.3 | 25.2 | 25.1 |
| | | 1 | 216 | 23.6 | 23.8 | 23.8 | 21.9 | 21.9 | 21.9 | 21.7 | 21.7 | 21.6 | 21.7 | 21.6 | 21.5 |
| | | 108 | 54 | 26.1 | 26.2 | 26.1 | 25.6 | 25.5 | 25.4 | 25.4 | 25.3 | 25.1 | 25.3 | 25.3 | 25.2 |
| | | 216 | 0 | 26.2 | 26.1 | 26.1 | 23.6 | 23.5 | 23.4 | 24.4 | 24.3 | 24.2 | 24.3 | 24.2 | 24.2 |
| | 16QAM | 1 | 0 | 22.2 | 22.3 | 22.4 | 22.2 | 22.1 | 22.3 | 22.3 | 22.2 | 21.9 | 21.8 | 21.8 | 21.9 |
| | | 1 | 1 | 25.0 | 25.0 | 25.0 | 24.8 | 24.7 | **24.8** | 24.8 | **24.8** | 24.5 | 24.5 | 24.4 | **24.5** |
| | | 1 | 215 | 24.8 | 25.1 | 24.9 | 24.3 | 24.3 | 24.6 | 24.3 | 24.3 | 24.1 | 24.2 | 24.2 | 24.1 |
| | | 1 | 216 | 22.3 | 22.7 | 23.0 | 21.7 | 21.7 | 22.0 | 21.7 | 21.7 | 21.6 | 21.7 | 21.6 | 21.6 |
| | | 108 | 54 | **25.2** | 25.1 | 25.0 | 24.7 | 24.4 | 24.4 | 24.4 | 24.3 | 24.1 | 24.3 | 24.3 | 24.2 |
| | | 216 | 0 | **25.2** | 25.1 | 25.1 | 22.6 | 22.5 | 22.4 | 23.4 | 23.3 | 23.2 | 23.3 | 23.3 | 23.3 |
| | 64QAM | 1 | 0 | 22.4 | 22.7 | 22.5 | 22.2 | 22.6 | 22.2 | 22.0 | 22.2 | 22.1 | 22.0 | 21.9 | 22.1 |
| | | 1 | 1 | 24.9 | 25.1 | 25.1 | 23.2 | **23.6** | 23.3 | 23.1 | **23.3** | 23.1 | 23.1 | 23.0 | **23.1** |
| | | 1 | 215 | 25.0 | 25.1 | 25.1 | 22.8 | 23.2 | 23.0 | 22.7 | 22.9 | 22.8 | 22.9 | 22.7 | 22.8 |
| | | 1 | 216 | 22.5 | 22.7 | 23.0 | 21.7 | 22.1 | 22.0 | 21.6 | 21.9 | 21.7 | 21.9 | 21.6 | 21.6 |
| | | 108 | 54 | 25.0 | 25.1 | 25.1 | 23.1 | 23.0 | 22.8 | 22.9 | 22.7 | 22.5 | 22.8 | 22.8 | 22.7 |
| | | 216 | 0 | **25.1** | 25.0 | 25.1 | 22.2 | 22.0 | 21.9 | 22.9 | 22.8 | 22.7 | 22.8 | 22.8 | 22.7 |
| | 256QAM | 1 | 0 | 22.8 | 22.4 | 22.7 | **21.4** | 21.1 | 21.2 | 21.1 | 20.9 | 20.9 | 21.0 | 20.8 | 20.8 |
| | | 1 | 1 | 22.9 | 22.4 | 22.8 | 21.4 | 21.2 | 21.3 | **21.2** | 21.0 | 21.0 | **21.1** | 20.7 | 20.9 |
| | | 1 | 215 | **23.2** | 22.6 | 22.8 | 20.9 | 21.0 | 21.1 | 20.7 | 20.6 | 20.7 | 20.9 | 20.5 | 20.6 |
| | | 1 | 216 | 23.0 | 22.6 | 22.7 | 20.9 | 20.8 | 21.0 | 20.6 | 20.5 | 20.7 | 20.8 | 20.4 | 20.5 |
| | | 108 | 54 | 22.6 | 22.6 | 22.7 | 21.1 | 21.0 | 20.9 | 20.8 | 20.8 | 20.7 | 20.8 | 20.8 | 20.8 |
| | | 216 | 0 | 22.5 | 22.6 | 22.7 | 21.1 | 21.1 | 20.9 | 20.9 | 20.8 | 20.7 | 20.8 | 20.8 | 20.7 |



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## OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 633000 | 633332 | 633666 | 633000 | 633332 | 633666 | 633000 | 633332 | 633666 | 633000 | 633332 | 633666 |
| | | | | 3495.0 | 3500.0 | 3505.0 | 3495.0 | 3500.0 | 3505.0 | 3495.0 | 3500.0 | 3505.0 | 3495.0 | 3500.0 | 3505.0 |
| 90.0 | BPSK | 1 | 0 | 24.2 | 24.1 | 24.1 | 22.3 | 22.3 | 22.2 | 22.1 | 22.1 | 22.0 | 21.8 | 21.8 | 21.8 |
| | | 1 | 1 | 26.1 | 26.3 | 26.2 | **25.9** | 25.9 | 25.9 | 25.7 | **25.7** | **25.7** | **25.4** | 25.4 | 25.4 |
| | | 1 | 243 | 26.4 | 26.3 | **26.4** | 25.5 | 25.5 | 25.5 | 25.2 | 25.2 | 25.2 | 25.2 | 25.1 | 25.0 |
| | | 1 | 244 | 24.2 | 24.2 | 24.4 | 21.9 | 21.9 | 21.9 | 21.7 | 21.6 | 21.6 | 21.6 | 21.5 | 21.5 |
| | | 120 | 60 | 26.1 | 26.1 | 26.2 | 25.6 | 25.5 | 25.5 | 25.3 | 25.2 | 25.2 | 25.3 | 25.3 | 25.3 |
| | | 243 | 0 | 26.1 | 26.1 | 26.1 | 24.1 | 24.0 | 24.0 | 24.9 | 24.8 | 24.7 | 24.8 | 24.8 | 24.8 |
| | QPSK | 1 | 0 | 23.5 | 23.6 | 23.6 | 22.4 | 22.3 | 22.2 | 22.1 | 22.0 | 22.0 | 21.8 | 21.8 | 21.8 |
| | | 1 | 1 | 26.1 | 26.1 | 26.3 | **26.0** | 25.9 | 25.8 | **25.8** | 25.7 | 25.7 | 25.5 | **25.5** | 25.4 |
| | | 1 | 243 | 26.2 | **26.4** | 26.3 | 25.5 | 25.5 | 25.5 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.1 |
| | | 1 | 244 | 23.7 | 23.8 | 23.7 | 21.9 | 21.9 | 22.0 | 21.7 | 21.6 | 21.6 | 21.6 | 21.6 | 21.4 |
| | | 120 | 60 | 26.1 | 26.1 | 26.2 | 25.6 | 25.5 | 25.4 | 25.3 | 25.2 | 25.2 | 25.4 | 25.3 | 25.3 |
| | | 243 | 0 | 26.3 | 26.1 | 26.2 | 23.6 | 23.6 | 23.4 | 24.4 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 |
| | 16QAM | 1 | 0 | 22.2 | 22.3 | 22.4 | 22.4 | 22.3 | 22.2 | 22.2 | 22.2 | 22.1 | 21.8 | 21.8 | 21.8 |
| | | 1 | 1 | 25.0 | 25.0 | 25.0 | **25.0** | 24.9 | 24.8 | 24.7 | **24.8** | 24.7 | **24.5** | 24.4 | **24.5** |
| | | 1 | 243 | 24.8 | 25.1 | 24.9 | 24.5 | 24.5 | 24.6 | 24.2 | 24.3 | 24.1 | 24.2 | 24.1 | 24.1 |
| | | 1 | 244 | 22.3 | 22.7 | 23.0 | 21.9 | 21.9 | 21.9 | 21.7 | 21.8 | 21.7 | 21.6 | 21.6 | 21.5 |
| | | 120 | 60 | **25.2** | 25.1 | 25.0 | 24.6 | 24.5 | 24.5 | 24.4 | 24.2 | 24.2 | 24.3 | 24.4 | 24.3 |
| | | 243 | 0 | **25.2** | 25.1 | 25.1 | 22.6 | 22.5 | 22.5 | 23.4 | 23.4 | 23.2 | 23.3 | 23.3 | 23.3 |
| | 64QAM | 1 | 0 | 22.4 | 22.7 | 22.5 | 22.2 | 22.4 | 22.4 | 22.2 | 22.2 | 22.1 | 21.8 | 21.8 | 21.7 |
| | | 1 | 1 | 24.9 | 25.1 | 25.1 | 23.3 | **23.5** | 23.5 | 23.2 | **23.3** | 23.1 | **22.9** | **22.9** | 22.8 |
| | | 1 | 243 | 25.0 | 25.1 | 25.1 | 22.9 | 23.1 | 23.1 | 22.8 | 22.8 | 22.7 | 22.7 | 22.6 | 22.5 |
| | | 1 | 244 | 22.5 | 22.7 | 23.0 | 21.8 | 22.0 | 22.0 | 21.7 | 21.8 | 21.6 | 21.5 | 21.5 | 21.4 |
| | | 120 | 60 | 25.0 | 25.1 | 25.1 | 23.1 | 23.0 | 23.0 | 22.8 | 22.7 | 22.7 | 22.9 | 22.7 | 22.8 |
| | | 243 | 0 | **25.1** | 25.0 | 25.1 | 22.1 | 22.1 | 22.0 | 22.8 | 22.9 | 22.7 | 22.8 | 22.8 | 22.8 |
| | 256QAM | 1 | 0 | 22.8 | 22.4 | 22.7 | 21.3 | **21.6** | 21.2 | 21.2 | 21.1 | 21.0 | 21.0 | 20.7 | 20.7 |
| | | 1 | 1 | 22.9 | 22.4 | 22.8 | 21.4 | 21.6 | 21.3 | **21.3** | 21.2 | 21.1 | **21.1** | 21.0 | 20.9 |
| | | 1 | 243 | **23.2** | 22.6 | 22.8 | 21.0 | 21.1 | 21.0 | 20.8 | 20.9 | 20.7 | 20.8 | 20.7 | 20.6 |
| | | 1 | 244 | 23.0 | 22.6 | 22.7 | 20.9 | 21.1 | 20.9 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.4 |
| | | 120 | 60 | 22.6 | 22.6 | 22.7 | 21.0 | 21.0 | 21.0 | 20.9 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 |
| | | 243 | 0 | 22.5 | 22.6 | 22.7 | 21.1 | 21.1 | 21.0 | 20.8 | 20.8 | 20.7 | 20.8 | 20.8 | 20.8 |

## OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | N/A | 633332 | N/A | N/A | 633332 | N/A | N/A | 633332 | N/A | N/A | 633332 | N/A |
| | | | | N/A | 3500.0 | N/A | N/A | 3500.0 | N/A | N/A | 3500.0 | N/A | N/A | 3500.0 | N/A |
| 100.0 | BPSK | 1 | 0 | | 24.0 | | | 22.3 | | | 22.1 | | | 21.7 | |
| | | 1 | 1 | | 26.2 | | | **26.0** | | | **25.7** | | | **25.4** | |
| | | 1 | 271 | | **26.3** | | | 25.6 | | | 25.2 | | | 25.1 | |
| | | 1 | 272 | | 24.3 | | | 21.9 | | | 21.6 | | | 21.4 | |
| | | 135 | 67 | | 26.2 | | | 25.5 | | | 25.2 | | | 25.3 | |
| | | 270 | 0 | | 26.1 | | | 24.0 | | | 24.8 | | | 24.9 | |
| | QPSK | 1 | 0 | | 23.6 | | | 22.3 | | | 22.1 | | | 21.7 | |
| | | 1 | 1 | | 26.2 | | | **26.0** | | | **25.8** | | | **25.4** | |
| | | 1 | 271 | | **26.3** | | | 25.6 | | | 25.2 | | | 25.1 | |
| | | 1 | 272 | | 23.6 | | | 22.0 | | | 21.6 | | | 21.5 | |
| | | 135 | 67 | | 26.1 | | | 25.5 | | | 25.3 | | | 25.3 | |
| | | 270 | 0 | | 26.3 | | | 23.6 | | | 24.4 | | | 24.3 | |
| | 16QAM | 1 | 0 | | 22.5 | | | 22.5 | | | 22.1 | | | 21.7 | |
| | | 1 | 1 | | 25.2 | | | **25.2** | | | **24.8** | | | **24.3** | |
| | | 1 | 271 | | **25.3** | | | 24.7 | | | 24.3 | | | 23.9 | |
| | | 1 | 272 | | 22.8 | | | 22.1 | | | 21.5 | | | 21.3 | |
| | | 135 | 67 | | 25.0 | | | 24.5 | | | 24.3 | | | 24.2 | |
| | | 270 | 0 | | 25.2 | | | 22.6 | | | 23.4 | | | 23.3 | |
| | 64QAM | 1 | 0 | | 22.3 | | | 22.3 | | | 22.3 | | | 21.9 | |
| | | 1 | 1 | | 24.9 | | | **23.4** | | | **23.4** | | | **23.1** | |
| | | 1 | 271 | | **25.2** | | | 23.0 | | | 23.0 | | | 22.8 | |
| | | 1 | 272 | | 22.6 | | | 21.8 | | | 21.8 | | | 21.5 | |
| | | 135 | 67 | | 25.0 | | | 23.0 | | | 22.8 | | | 22.8 | |
| | | 270 | 0 | | 25.1 | | | 22.1 | | | 22.9 | | | 22.8 | |
| | 256QAM | 1 | 0 | | 22.7 | | | 21.2 | | | 21.3 | | | 20.9 | |
| | | 1 | 1 | | 22.6 | | | **21.4** | | | **21.4** | | | **21.1** | |
| | | 1 | 271 | | **23.0** | | | 20.9 | | | 20.8 | | | 20.7 | |
| | | 1 | 272 | | 22.6 | | | 20.8 | | | 20.6 | | | 20.5 | |
| | | 135 | 67 | | 22.6 | | | 21.0 | | | 20.8 | | | 20.9 | |
| | | 270 | 0 | | 22.6 | | | 21.1 | | | 20.9 | | | 20.8 | |



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## 8.19. 5G NR n77 (Part 27 3700-3980MHz)

| Test Engineer ID: | 32934IG, 27979HN and 27966PV | Test Date: | 2024-02-26 to 2024-03-27 |
|---|---|---|---|

### OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647000 | 656000 | 665000 | 647000 | 656000 | 665000 | 647000 | 656000 | 665000 | 647000 | 656000 | 665000 |
| | | | | 3705.0 | 3840.0 | 3975.0 | 3705.0 | 3840.0 | 3975.0 | 3705.0 | 3840.0 | 3975.0 | 3705.0 | 3840.0 | 3975.0 |
| 10.0 | BPSK | 1 | 0 | 24.4 | 24.6 | 24.5 | 23.1 | 23.3 | 23.2 | 23.9 | 24.3 | 24.2 | 23.6 | 24.1 | 24.3 |
| | | 1 | 1 | 24.8 | 25.1 | 25.0 | 23.8 | 23.8 | 23.7 | 24.5 | 24.9 | 24.7 | 24.1 | 24.6 | **24.9** |
| | | 1 | 22 | 24.9 | **25.2** | 25.0 | 23.5 | **24.0** | 23.7 | 24.3 | **24.9** | 24.6 | 24.2 | 24.6 | 24.7 |
| | | 1 | 23 | 24.3 | 24.7 | 24.4 | 23.2 | 23.4 | 23.2 | 23.8 | 24.3 | 24.1 | 23.5 | 24.2 | 24.1 |
| | | 12 | 6 | 24.8 | 25.2 | 25.0 | 23.5 | 24.0 | 23.6 | 24.4 | 24.9 | 24.8 | 24.1 | 24.6 | 24.7 |
| | | 24 | 0 | 24.3 | 24.6 | 24.4 | 23.1 | 23.4 | 23.2 | 23.8 | 24.4 | 24.2 | 23.6 | 24.0 | 24.2 |
| | QPSK | 1 | 0 | 24.0 | 24.1 | 23.9 | 22.6 | 22.8 | 22.7 | 23.4 | 23.9 | 23.6 | 23.0 | 23.6 | 23.7 |
| | | 1 | 1 | 24.9 | 25.1 | 24.9 | 23.6 | 23.9 | 23.7 | 24.5 | 24.8 | 24.5 | 24.0 | 24.7 | 24.7 |
| | | 1 | 22 | 24.9 | **25.2** | 24.9 | 23.6 | **24.0** | 23.6 | 24.3 | **24.9** | 24.5 | 24.1 | 24.6 | **24.8** |
| | | 1 | 23 | 23.8 | 24.1 | 23.9 | 22.7 | 23.0 | 22.6 | 23.4 | 24.0 | 23.6 | 23.1 | 23.6 | 23.6 |
| | | 12 | 6 | 24.8 | 25.2 | 24.9 | 23.5 | 23.9 | 23.7 | 24.4 | 24.9 | 24.8 | 24.0 | 24.5 | 24.6 |
| | | 24 | 0 | 23.8 | 24.1 | 23.9 | 22.5 | 22.9 | 22.8 | 23.3 | 23.8 | 23.7 | 23.0 | 23.5 | 23.7 |
| | 16QAM | 1 | 0 | 22.7 | 23.0 | 22.9 | 21.8 | 21.9 | 21.6 | 22.6 | 23.0 | 23.1 | 22.0 | 22.4 | 22.6 |
| | | 1 | 1 | 23.8 | 24.0 | 23.9 | 22.8 | 23.0 | 22.7 | 23.4 | 24.0 | 23.6 | 23.2 | 23.5 | 23.6 |
| | | 1 | 22 | 23.9 | **24.3** | 23.7 | 22.8 | **23.1** | 22.7 | 23.6 | **24.1** | 23.9 | 23.0 | **23.9** | 23.4 |
| | | 1 | 23 | 22.8 | 23.0 | 22.9 | 21.5 | 21.9 | 21.5 | 22.7 | 22.9 | 22.6 | 22.0 | 22.5 | 22.5 |
| | | 12 | 6 | 23.7 | 24.1 | 23.9 | 22.6 | 22.8 | 22.8 | 23.4 | 23.8 | 23.6 | 23.1 | 23.6 | 23.7 |
| | | 24 | 0 | 22.9 | 23.2 | 23.0 | 21.6 | 22.0 | 21.6 | 22.3 | 22.9 | 22.8 | 22.1 | 22.5 | 22.7 |
| | 64QAM | 1 | 0 | 22.1 | 22.4 | **22.8** | 20.9 | 21.3 | 20.9 | 22.0 | 22.5 | 22.3 | 21.5 | 22.0 | 22.3 |
| | | 1 | 1 | 21.7 | 22.3 | 22.1 | 20.8 | 21.3 | 21.1 | 22.0 | 22.7 | 22.0 | 21.5 | **22.4** | 22.3 |
| | | 1 | 22 | 22.2 | 22.5 | 22.5 | 20.7 | 21.2 | 21.1 | 22.0 | **22.8** | 22.3 | 21.5 | 22.2 | 22.2 |
| | | 1 | 23 | 22.5 | 22.6 | 22.5 | 21.0 | **21.5** | 21.1 | 22.0 | 22.5 | 22.5 | 21.3 | 22.4 | 21.8 |
| | | 12 | 6 | 22.2 | 22.7 | 22.3 | 21.1 | 21.3 | 21.1 | 22.0 | 22.4 | 22.2 | 21.5 | 21.9 | 22.1 |
| | | 24 | 0 | 22.3 | 22.5 | 22.5 | 21.1 | 21.4 | 21.2 | 22.0 | 22.3 | 22.2 | 21.6 | 22.0 | 22.2 |
| | 256QAM | 1 | 0 | 20.4 | 20.4 | 20.5 | 19.2 | 19.8 | 19.2 | 19.7 | 20.5 | 20.4 | 19.3 | 19.6 | 20.3 |
| | | 1 | 1 | 20.5 | 20.5 | 20.5 | 19.3 | **19.8** | 19.1 | 20.1 | 20.2 | 19.9 | 19.4 | 19.9 | 20.0 |
| | | 1 | 22 | 20.4 | 20.6 | 20.5 | 19.3 | 19.5 | 19.2 | 20.0 | 20.5 | 20.3 | 19.5 | 20.0 | 20.1 |
| | | 1 | 23 | 20.5 | 20.6 | 20.5 | 19.0 | 19.5 | 19.1 | 20.1 | **20.6** | 20.4 | 19.7 | 19.8 | **20.3** |
| | | 12 | 6 | 20.4 | 20.6 | 20.4 | 19.2 | 19.5 | 19.1 | 19.8 | 20.4 | 20.2 | 19.4 | 20.0 | 20.2 |
| | | 24 | 0 | 20.3 | **20.7** | 20.3 | 19.2 | 19.5 | 19.1 | 19.8 | 20.4 | 20.1 | 19.5 | 19.9 | 20.1 |

### OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647166 | 656000 | 664833 | 647166 | 656000 | 664833 | 647166 | 656000 | 664833 | 647166 | 656000 | 664833 |
| | | | | 3707.5 | 3840.0 | 3972.5 | 3707.5 | 3840.0 | 3972.5 | 3707.5 | 3840.0 | 3972.5 | 3707.5 | 3840.0 | 3972.5 |
| 15.0 | BPSK | 1 | 0 | 24.5 | 24.5 | 24.5 | 23.2 | 23.4 | 23.3 | 24.1 | 24.4 | 24.3 | 23.6 | 23.9 | 24.1 |
| | | 1 | 1 | 24.9 | 25.0 | 25.0 | 23.8 | 23.9 | 23.7 | 24.7 | 25.0 | 24.8 | 24.1 | 24.4 | 24.6 |
| | | 1 | 36 | 25.0 | 25.1 | 24.9 | 23.7 | **24.0** | 23.7 | 24.6 | **25.0** | 24.8 | 24.2 | 24.6 | 24.5 |
| | | 1 | 37 | 24.4 | 24.7 | 24.3 | 23.1 | 23.4 | 23.1 | 24.2 | 24.5 | 24.2 | 23.5 | 24.1 | 24.2 |
| | | 18 | 9 | 25.0 | **25.2** | 25.0 | 23.6 | 24.0 | 23.8 | 24.6 | 24.9 | 24.8 | 24.0 | 24.5 | **24.7** |
| | | 36 | 0 | 24.5 | 24.6 | 24.5 | 23.2 | 23.4 | 23.1 | 24.2 | 24.4 | 24.3 | 23.6 | 24.1 | 24.2 |
| | QPSK | 1 | 0 | 23.9 | 24.1 | 24.0 | 22.8 | 22.8 | 22.7 | 23.8 | 23.8 | 23.9 | 23.1 | 23.5 | 23.5 |
| | | 1 | 1 | 25.0 | 24.9 | 24.8 | 23.6 | 23.8 | 23.7 | 24.7 | 24.9 | 24.9 | 24.1 | 24.4 | 24.6 |
| | | 1 | 36 | 25.0 | **25.1** | 24.9 | 23.7 | 23.9 | 23.6 | 24.7 | **25.1** | 24.7 | 24.2 | 24.5 | 24.6 |
| | | 1 | 37 | 23.9 | 24.2 | 23.9 | 22.6 | 22.9 | 22.5 | 23.8 | 24.0 | 23.7 | 23.2 | 23.6 | 23.5 |
| | | 18 | 9 | 24.9 | 25.0 | 25.0 | 23.6 | **23.9** | 23.6 | 24.6 | 24.9 | 24.7 | 24.1 | 24.5 | **24.7** |
| | | 36 | 0 | 23.8 | 24.0 | 24.0 | 22.6 | 22.9 | 22.7 | 23.6 | 24.0 | 23.8 | 23.1 | 23.5 | 23.8 |
| | 16QAM | 1 | 0 | 22.8 | 22.8 | 22.9 | 22.1 | 21.7 | 21.4 | 22.7 | 22.8 | 22.8 | 21.8 | 22.3 | 22.6 |
| | | 1 | 1 | 23.7 | 24.1 | 24.0 | 23.0 | 22.5 | 22.5 | 23.5 | 23.8 | 23.8 | 22.8 | 23.3 | 23.5 |
| | | 1 | 36 | 23.7 | **24.2** | 23.7 | 23.0 | **23.0** | 22.3 | 23.5 | 24.0 | **24.0** | 22.8 | 23.5 | 23.5 |
| | | 1 | 37 | 22.8 | 22.8 | 22.8 | 22.1 | 22.0 | 21.3 | 22.7 | 22.8 | 22.8 | 21.9 | 22.5 | 22.5 |
| | | 18 | 9 | 23.9 | 24.1 | 23.9 | 22.8 | 23.0 | 22.6 | 23.7 | 23.9 | 23.7 | 23.1 | 23.5 | **23.7** |
| | | 36 | 0 | 22.9 | 23.2 | 22.9 | 21.7 | 21.8 | 21.6 | 22.6 | 22.9 | 22.8 | 22.1 | 22.5 | 22.7 |
| | 64QAM | 1 | 0 | 22.4 | **22.8** | 22.4 | 21.1 | 21.2 | 21.1 | 22.0 | 22.1 | 22.4 | 21.6 | 21.7 | 22.0 |
| | | 1 | 1 | 22.0 | 22.3 | 22.4 | 21.0 | 21.2 | 21.0 | 21.8 | 22.2 | **22.6** | 21.6 | 21.8 | 22.1 |
| | | 1 | 36 | 22.6 | 22.5 | 22.7 | **21.4** | 21.4 | 20.9 | 22.2 | 22.1 | 22.1 | 21.7 | 21.8 | 22.1 |
| | | 1 | 37 | 22.3 | 22.7 | 22.3 | 21.4 | 21.3 | 21.0 | 21.9 | 22.4 | 22.5 | 21.6 | 21.9 | 22.1 |
| | | 18 | 9 | 22.4 | 22.7 | 22.5 | 21.1 | 21.4 | 21.1 | 22.1 | 22.4 | 22.2 | 21.5 | 22.1 | 22.1 |
| | | 36 | 0 | 22.4 | 22.6 | 22.5 | 21.1 | 21.4 | 21.2 | 22.2 | 22.4 | 22.2 | 21.6 | 22.0 | **22.2** |
| | 256QAM | 1 | 0 | 20.2 | 20.4 | 20.6 | 19.2 | 19.4 | 19.3 | 20.0 | 20.4 | 20.2 | 19.3 | 19.9 | 20.1 |
| | | 1 | 1 | 20.4 | 20.5 | 20.7 | 19.2 | 19.4 | 19.4 | 20.0 | 20.2 | 20.3 | 19.3 | 19.9 | 20.1 |
| | | 1 | 36 | 20.5 | 20.4 | 20.6 | 19.2 | 19.4 | 19.3 | 20.2 | 20.3 | 19.8 | 19.4 | 19.9 | 20.0 |
| | | 1 | 37 | 20.3 | **20.9** | 20.4 | 19.2 | 19.4 | 19.1 | 20.3 | **20.9** | 20.3 | 19.2 | 20.0 | 20.1 |
| | | 18 | 9 | 20.3 | 20.6 | 20.4 | 19.1 | 19.5 | 19.2 | 20.1 | 20.5 | 20.2 | 19.5 | 20.1 | **20.3** |
| | | 36 | 0 | 20.4 | 20.5 | 20.3 | 19.1 | **19.5** | 19.2 | 20.2 | 20.5 | 20.2 | 19.5 | 20.0 | 20.2 |



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## OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647333 | 656000 | 664666 | 647333 | 656000 | 664666 | 647333 | 656000 | 664666 | 647333 | 656000 | 664666 |
| | | | | 3710.0 | 3840.0 | 3970.0 | 3710.0 | 3840.0 | 3970.0 | 3710.0 | 3840.0 | 3970.0 | 3710.0 | 3840.0 | 3970.0 |
| 20.0 | BPSK | 1 | 0 | 24.3 | 24.6 | 24.4 | 23.2 | 23.3 | 23.4 | 24.1 | 24.4 | 24.2 | 23.5 | 23.9 | 24.1 |
| | | 1 | 1 | 24.9 | 25.1 | 25.0 | 23.6 | 23.9 | 23.9 | 24.6 | 24.9 | 24.6 | 24.0 | 24.4 | 24.7 |
| | | 1 | 49 | 25.0 | 25.2 | 24.9 | 23.6 | **24.1** | 23.8 | 24.6 | 25.0 | 24.7 | 24.1 | 24.6 | **24.7** |
| | | 1 | 50 | 24.3 | 24.6 | 24.4 | 23.2 | 23.4 | 23.2 | 24.2 | 24.4 | 24.2 | 23.4 | 24.0 | 24.1 |
| | | 25 | 12 | 24.8 | **25.2** | 24.9 | 23.7 | 24.0 | 23.7 | 24.6 | **25.0** | 24.7 | 24.0 | 24.5 | 24.7 |
| | | 50 | 0 | 24.3 | 24.7 | 24.4 | 23.1 | 23.4 | 23.1 | 24.1 | 24.4 | 24.1 | 23.5 | 24.0 | 24.2 |
| | QPSK | 1 | 0 | 23.8 | 24.1 | 23.9 | 22.7 | 22.8 | 22.9 | 23.6 | 24.0 | 23.7 | 23.0 | 23.4 | 23.6 |
| | | 1 | 1 | 24.8 | 25.2 | 25.0 | 23.6 | 23.8 | 23.8 | 24.6 | 24.7 | 24.5 | 24.0 | 24.4 | 24.6 |
| | | 1 | 49 | 24.9 | 25.2 | 24.9 | 23.7 | 23.9 | 23.6 | 24.5 | 24.8 | 24.6 | 24.0 | 24.6 | **24.7** |
| | | 1 | 50 | 23.8 | 24.2 | 23.9 | 22.7 | 23.0 | 22.6 | 23.6 | 23.9 | 23.6 | 22.9 | 23.6 | 23.7 |
| | | 25 | 12 | 24.8 | **25.2** | 24.9 | 23.7 | **24.0** | 23.8 | 24.6 | **24.9** | 24.7 | 24.1 | 24.5 | 24.7 |
| | | 50 | 0 | 23.9 | 24.1 | 23.9 | 22.6 | 22.9 | 22.8 | 23.6 | 24.0 | 23.8 | 23.1 | 23.5 | 23.7 |
| | 16QAM | 1 | 0 | 22.4 | 22.8 | 23.0 | 21.5 | 22.0 | 21.7 | 22.8 | 23.0 | 22.9 | 21.9 | 22.6 | 22.8 |
| | | 1 | 1 | 23.9 | 23.8 | 24.1 | 22.1 | 22.9 | 23.0 | 23.7 | 23.7 | 23.7 | 23.0 | 23.6 | 23.7 |
| | | 1 | 49 | 23.9 | 24.2 | 24.0 | 22.2 | **23.2** | 22.8 | 23.8 | **23.9** | 23.6 | 22.9 | 23.7 | **23.8** |
| | | 1 | 50 | 23.0 | 23.1 | 23.0 | 21.6 | 22.3 | 21.7 | 22.7 | 23.2 | 22.7 | 22.0 | 22.8 | 22.7 |
| | | 25 | 12 | 23.9 | **24.2** | 24.0 | 22.8 | 22.9 | 22.8 | 23.6 | 23.8 | 23.7 | 23.0 | 23.5 | 23.7 |
| | | 50 | 0 | 22.8 | 23.2 | 22.9 | 21.5 | 21.9 | 21.7 | 22.7 | 22.9 | 22.7 | 22.1 | 22.4 | 22.7 |
| | 64QAM | 1 | 0 | 22.7 | 22.6 | 22.3 | 21.1 | 21.4 | 21.0 | 22.0 | 22.4 | 22.2 | 21.4 | 22.2 | 22.1 |
| | | 1 | 1 | 22.5 | 22.5 | 22.6 | 21.2 | 21.2 | 21.1 | 21.7 | 22.2 | 22.2 | 21.4 | 22.0 | 22.0 |
| | | 1 | 49 | 22.4 | 22.7 | 22.4 | 21.4 | 21.5 | 21.0 | 22.0 | 22.4 | 22.1 | 21.5 | **22.2** | 22.0 |
| | | 1 | 50 | 22.2 | **22.8** | 22.4 | 21.2 | **21.5** | 21.0 | 22.1 | **22.5** | 22.1 | 21.5 | 22.2 | 22.1 |
| | | 25 | 12 | 22.3 | 22.6 | 22.4 | 21.3 | 21.3 | 21.3 | 22.0 | 22.4 | 22.2 | 21.5 | 22.1 | 22.2 |
| | | 50 | 0 | 22.4 | 22.7 | 22.4 | 21.1 | **21.5** | 21.3 | 22.2 | 22.4 | 22.2 | 21.6 | 22.0 | 22.2 |
| | 256QAM | 1 | 0 | 20.4 | 20.5 | 20.3 | 19.0 | 19.5 | 19.6 | 19.8 | 20.4 | 20.0 | 19.4 | 20.0 | 20.1 |
| | | 1 | 1 | 20.2 | 20.6 | 20.6 | 18.9 | 19.6 | 19.1 | 20.2 | 20.2 | 19.8 | 19.3 | 19.9 | 20.1 |
| | | 1 | 49 | 20.5 | **21.0** | 20.6 | 18.9 | 19.7 | 19.0 | 19.8 | 20.4 | 20.3 | 19.6 | 20.1 | **20.3** |
| | | 1 | 50 | 20.3 | 20.9 | 20.1 | 18.9 | **19.8** | 19.1 | 20.2 | **20.5** | 20.3 | 19.6 | 20.1 | 19.9 |
| | | 25 | 12 | 20.3 | 20.7 | 20.3 | 19.1 | 19.4 | 19.2 | 20.0 | 20.3 | 20.1 | 19.5 | 19.9 | 20.2 |
| | | 50 | 0 | 20.4 | 20.6 | 20.5 | 19.2 | 19.5 | 19.1 | 20.1 | 20.4 | 20.2 | 19.5 | 20.0 | 20.1 |

## OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647500 | 656000 | 664500 | 647500 | 656000 | 664500 | 647500 | 656000 | 664500 | 647500 | 656000 | 664500 |
| | | | | 3712.5 | 3840.0 | 3967.5 | 3712.5 | 3840.0 | 3967.5 | 3712.5 | 3840.0 | 3967.5 | 3712.5 | 3840.0 | 3967.5 |
| 25.0 | BPSK | 1 | 0 | 24.2 | 24.5 | 24.3 | 23.1 | 23.2 | 23.3 | 24.0 | 24.3 | 24.1 | 23.4 | 23.8 | 24.0 |
| | | 1 | 1 | 24.8 | 25.0 | 24.9 | 23.5 | 23.8 | 23.8 | 24.5 | 24.8 | 24.5 | 23.9 | 24.3 | 24.6 |
| | | 1 | 63 | 24.9 | **25.2** | 24.8 | 23.5 | 24.0 | 23.7 | 24.5 | **25.0** | 24.6 | 24.0 | **24.7** | 24.6 |
| | | 1 | 64 | 24.2 | 24.5 | 24.3 | 23.1 | 23.3 | 23.1 | 24.1 | 24.3 | 24.1 | 23.3 | 23.9 | 24.0 |
| | | 32 | 16 | 24.7 | 25.1 | 24.8 | 23.6 | **24.1** | 23.6 | 24.5 | 24.9 | 24.6 | 23.9 | 24.4 | 24.6 |
| | | 64 | 0 | 24.2 | 24.6 | 24.3 | 23.0 | 23.3 | 23.0 | 24.0 | 24.3 | 24.0 | 23.4 | 23.9 | 24.1 |
| | QPSK | 1 | 0 | 23.7 | 24.0 | 23.8 | 22.6 | 22.7 | 22.8 | 23.5 | 23.9 | 23.6 | 22.9 | 23.3 | 23.5 |
| | | 1 | 1 | 24.7 | 25.1 | 24.9 | 23.5 | 23.7 | 23.7 | 24.5 | 24.6 | 24.4 | 23.9 | 24.3 | 24.5 |
| | | 1 | 49 | 24.8 | **25.2** | 24.8 | 23.6 | **23.9** | 23.5 | 24.4 | **24.9** | 24.5 | 23.9 | **24.7** | 24.6 |
| | | 1 | 50 | 23.7 | 24.1 | 23.8 | 22.6 | 22.9 | 22.5 | 23.5 | 23.8 | 23.5 | 22.8 | 23.5 | 23.6 |
| | | 25 | 12 | 24.7 | 25.1 | 24.8 | 23.6 | 23.8 | 23.7 | 24.5 | 24.8 | 24.6 | 24.0 | 24.4 | 24.6 |
| | | 50 | 0 | 23.8 | 24.0 | 23.8 | 22.5 | 22.8 | 22.7 | 23.5 | 23.9 | 23.7 | 23.0 | 23.4 | 23.6 |
| | 16QAM | 1 | 0 | 22.3 | 22.7 | 22.9 | 21.4 | 21.9 | 21.6 | 22.7 | 22.9 | 22.8 | 21.8 | 22.5 | 22.7 |
| | | 1 | 1 | 23.8 | 23.7 | 24.0 | 22.0 | 22.8 | **23.0** | 23.6 | 23.6 | 23.6 | 22.9 | 23.5 | **23.6** |
| | | 1 | 49 | 23.8 | **24.3** | 23.9 | 22.1 | 22.9 | 22.7 | 23.7 | 23.7 | 23.5 | 22.8 | **23.6** | 23.5 |
| | | 1 | 50 | 22.9 | 23.0 | 22.9 | 21.5 | 22.2 | 21.6 | 22.6 | 23.1 | 22.6 | 21.9 | 22.7 | 22.6 |
| | | 25 | 12 | 23.8 | 24.1 | 23.9 | 22.7 | 22.8 | 22.7 | 23.5 | **23.8** | 23.6 | 22.9 | 23.4 | 23.6 |
| | | 50 | 0 | 22.7 | 23.1 | 22.8 | 21.4 | 21.8 | 21.6 | 22.6 | 22.8 | 22.6 | 22.0 | 22.3 | 22.6 |
| | 64QAM | 1 | 0 | 22.6 | 22.5 | 22.2 | 21.0 | 21.3 | 20.9 | 21.9 | 22.3 | 22.1 | 21.3 | 22.1 | 22.0 |
| | | 1 | 1 | 22.4 | 22.4 | 22.5 | 21.1 | 21.1 | 21.0 | 21.6 | 22.1 | 22.1 | 21.3 | 21.9 | 21.9 |
| | | 1 | 49 | 22.3 | 22.6 | 22.3 | 21.3 | 21.4 | 20.9 | 21.9 | **22.3** | 22.0 | 21.4 | **22.1** | 21.9 |
| | | 1 | 50 | 22.1 | **22.7** | 22.3 | 21.1 | **21.4** | 20.9 | 22.0 | 22.3 | 22.0 | 21.4 | 22.1 | 22.0 |
| | | 25 | 12 | 22.2 | 22.5 | 22.3 | 21.2 | 21.2 | 21.2 | 21.9 | 22.3 | 22.1 | 21.4 | 22.0 | 22.1 |
| | | 50 | 0 | 22.3 | 22.6 | 22.3 | 21.0 | **21.4** | 21.2 | 22.1 | 22.3 | 22.1 | 21.5 | 21.9 | 22.1 |
| | 256QAM | 1 | 0 | 20.3 | 20.4 | 20.2 | 18.9 | 19.4 | 19.5 | 19.7 | 20.3 | 19.9 | 19.3 | 19.9 | 20.0 |
| | | 1 | 1 | 20.1 | 20.5 | 20.5 | 18.8 | 19.5 | 19.0 | 20.1 | 20.1 | 19.7 | 19.2 | 19.8 | 20.0 |
| | | 1 | 49 | 20.4 | **20.9** | 20.5 | 18.8 | 19.6 | 18.9 | 19.7 | 20.3 | 20.2 | 19.5 | 20.0 | **20.2** |
| | | 1 | 50 | 20.2 | 20.8 | 20.0 | 18.8 | **19.7** | 19.0 | 20.1 | **20.4** | 20.2 | 19.5 | 20.0 | 19.8 |
| | | 25 | 12 | 20.2 | 20.6 | 20.2 | 19.0 | 19.3 | 19.1 | 19.9 | 20.2 | 20.0 | 19.4 | 19.8 | 20.1 |
| | | 50 | 0 | 20.3 | 20.5 | 20.4 | 19.1 | 19.4 | 19.0 | 20.0 | 20.3 | 20.1 | 19.4 | 19.9 | 20.0 |



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## OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647666 | 656000 | 664333 | 647666 | 656000 | 664333 | 647666 | 656000 | 664333 | 647666 | 656000 | 664333 |
| | | | | 3715.0 | 3840.0 | 3965.0 | 3715.0 | 3840.0 | 3965.0 | 3715.0 | 3840.0 | 3965.0 | 3715.0 | 3840.0 | 3965.0 |
| 30.0 | BPSK | 1 | 0 | 24.4 | 24.5 | 24.5 | 23.2 | 23.3 | 23.3 | 24.0 | 24.3 | 24.2 | 23.5 | 23.8 | 24.1 |
| | | 1 | 1 | 24.9 | 25.0 | 25.0 | 23.7 | 23.8 | 23.8 | 24.5 | 24.6 | 24.6 | 24.0 | 24.3 | 24.6 |
| | | 1 | 76 | 25.0 | **25.2** | 24.9 | 23.9 | **24.1** | 23.6 | 24.6 | **25.0** | 24.4 | 24.0 | 24.6 | 24.6 |
| | | 1 | 77 | 24.5 | 24.7 | 24.4 | 23.2 | 23.6 | 23.2 | 24.0 | 24.4 | 24.2 | 23.5 | 24.1 | 24.1 |
| | | 36 | 18 | 24.8 | 25.2 | 24.9 | 23.8 | 23.9 | 23.7 | 24.6 | 24.9 | 24.5 | 24.1 | 24.5 | **24.7** |
| | | 75 | 0 | 24.3 | 24.6 | 24.4 | 23.3 | 23.4 | 23.2 | 24.1 | 24.4 | 24.1 | 23.5 | 24.0 | 24.2 |
| | QPSK | 1 | 0 | 23.8 | 23.8 | 24.0 | 22.7 | 22.8 | 22.8 | 23.5 | 23.8 | 23.8 | 22.9 | 23.5 | 23.6 |
| | | 1 | 1 | 24.8 | 25.0 | 24.9 | 23.7 | 23.8 | 23.9 | 24.6 | 24.8 | 24.7 | 23.9 | 24.4 | 24.6 |
| | | 1 | 76 | 24.8 | **25.2** | 24.9 | 23.8 | **24.1** | 23.6 | 24.6 | **25.1** | 24.5 | 24.0 | 24.6 | 24.5 |
| | | 1 | 77 | 24.0 | 24.1 | 23.8 | 22.8 | 23.1 | 22.6 | 23.6 | 24.0 | 23.6 | 22.8 | 23.5 | 23.5 |
| | | 36 | 18 | 24.9 | 25.1 | 24.9 | 23.7 | 23.9 | 23.7 | 24.4 | 24.9 | 24.8 | 24.1 | 24.5 | **24.7** |
| | | 75 | 0 | 23.9 | 24.0 | 24.0 | 22.7 | 22.9 | 22.8 | 23.5 | 23.9 | 23.6 | 23.1 | 23.5 | 23.7 |
| | 16QAM | 1 | 0 | 22.9 | 22.8 | 23.2 | 21.8 | 21.9 | 21.8 | 22.8 | 22.6 | 22.4 | 21.9 | 22.2 | 22.6 |
| | | 1 | 1 | 24.0 | **24.2** | 24.1 | 22.8 | 23.1 | 22.8 | 23.7 | 23.8 | 23.4 | 23.0 | 23.5 | 23.6 |
| | | 1 | 76 | 24.2 | 24.1 | 24.1 | 22.7 | **23.2** | 22.8 | 23.4 | 23.6 | 23.6 | 23.0 | 23.5 | 23.7 |
| | | 1 | 77 | 22.8 | 23.3 | 23.1 | 21.9 | 22.2 | 21.6 | 22.4 | 22.9 | 22.6 | 21.9 | 22.5 | 22.7 |
| | | 36 | 18 | 23.8 | 24.1 | 24.0 | 22.7 | 22.9 | 22.8 | 23.6 | **24.0** | 23.7 | 23.0 | 23.6 | **23.7** |
| | | 75 | 0 | 22.9 | 23.1 | 22.9 | 21.7 | 22.0 | 21.8 | 22.5 | 22.9 | 22.6 | 22.0 | 22.5 | 22.7 |
| | 64QAM | 1 | 0 | 22.0 | 22.4 | 22.6 | 21.1 | 21.4 | 21.0 | 22.1 | 22.1 | **22.5** | 21.6 | 21.9 | 22.0 |
| | | 1 | 1 | 22.4 | 22.4 | 22.6 | 21.1 | 21.2 | 21.1 | 22.1 | 22.2 | 22.5 | 21.5 | 21.8 | **22.2** |
| | | 1 | 76 | 22.6 | **22.7** | 22.4 | 21.3 | **22.0** | 20.9 | 22.0 | 22.4 | 22.0 | 21.5 | 22.0 | 22.1 |
| | | 1 | 77 | 22.4 | 22.3 | 22.2 | 21.1 | 21.5 | 21.3 | 22.0 | 22.4 | 22.1 | 21.4 | 22.1 | 22.2 |
| | | 36 | 18 | 22.4 | 22.5 | 22.6 | 21.2 | 21.5 | 21.3 | 22.0 | 22.3 | 22.1 | 21.5 | 22.0 | 22.1 |
| | | 75 | 0 | 22.5 | 22.6 | 22.4 | 21.2 | 21.5 | 21.2 | 22.0 | 22.4 | 22.1 | 21.6 | 22.0 | 22.2 |
| | 256QAM | 1 | 0 | 20.1 | 20.8 | 20.4 | 19.2 | 19.0 | 19.0 | 19.9 | 20.5 | 20.1 | 19.5 | 19.8 | 20.1 |
| | | 1 | 1 | 20.5 | 20.5 | 20.3 | 19.3 | 19.6 | 19.0 | 19.6 | **20.5** | 20.1 | 19.4 | 19.9 | 19.9 |
| | | 1 | 76 | 20.5 | 20.7 | 20.4 | 19.4 | 19.4 | 18.9 | 19.7 | 20.3 | 20.1 | 19.4 | 20.0 | 20.0 |
| | | 1 | 77 | 20.2 | **20.9** | 20.3 | 19.2 | **19.8** | 19.0 | 20.0 | 20.4 | 20.1 | 19.5 | 20.2 | 20.1 |
| | | 36 | 18 | 20.4 | 20.7 | 20.4 | 19.2 | 19.4 | 19.3 | 20.1 | 20.5 | 20.2 | 19.5 | 19.9 | **20.2** |
| | | 75 | 0 | 20.4 | 20.6 | 20.5 | 19.3 | 19.4 | 19.2 | 20.1 | 20.3 | 20.2 | 19.6 | 20.0 | 20.2 |

## OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 648000 | 656000 | 664000 | 648000 | 656000 | 664000 | 648000 | 656000 | 664000 | 648000 | 656000 | 664000 |
| | | | | 3720.0 | 3840.0 | 3960.0 | 3720.0 | 3840.0 | 3960.0 | 3720.0 | 3840.0 | 3960.0 | 3720.0 | 3840.0 | 3960.0 |
| 40.0 | BPSK | 1 | 0 | 24.3 | 24.6 | 24.5 | 23.1 | 23.4 | 23.4 | 23.9 | 23.8 | 24.0 | 23.5 | 23.7 | 23.9 |
| | | 1 | 1 | 24.8 | 24.9 | 25.0 | 23.8 | 23.8 | 23.9 | 24.3 | 24.2 | 24.6 | 24.0 | 24.2 | 24.4 |
| | | 1 | 104 | 25.0 | **25.3** | 25.0 | 23.9 | **24.1** | 23.7 | 24.2 | **24.6** | 24.4 | 24.0 | 24.5 | 24.4 |
| | | 1 | 105 | 24.5 | 24.8 | 24.3 | 23.4 | 23.7 | 23.3 | 23.7 | 24.0 | 23.9 | 23.7 | 24.0 | 24.2 |
| | | 50 | 25 | 24.9 | 25.0 | 24.9 | 23.8 | 23.9 | 23.8 | 24.4 | 24.6 | 24.5 | 24.1 | 24.5 | **24.6** |
| | | 100 | 0 | 24.4 | 24.6 | 24.4 | 23.2 | 23.5 | 23.3 | 23.8 | 23.9 | 23.9 | 23.5 | 24.0 | 24.1 |
| | QPSK | 1 | 0 | 23.8 | 24.0 | 23.9 | 22.9 | 22.7 | 23.0 | 23.3 | 23.3 | 23.5 | 23.1 | 23.2 | 23.5 |
| | | 1 | 1 | 24.9 | 25.0 | 24.9 | 23.7 | 23.7 | 23.9 | 24.2 | 24.4 | 24.5 | 24.0 | 24.3 | 24.6 |
| | | 1 | 104 | 25.0 | **25.3** | 24.9 | 24.1 | **24.1** | 23.7 | 24.3 | **24.5** | 24.4 | 24.1 | 24.6 | 24.6 |
| | | 1 | 105 | 24.0 | 24.3 | 24.0 | 22.9 | 23.1 | 22.8 | 23.2 | 23.6 | 23.4 | 23.0 | 23.5 | 23.7 |
| | | 50 | 25 | 24.9 | 25.1 | 24.9 | 23.7 | 23.9 | 23.8 | 24.4 | 24.5 | 24.5 | 24.1 | 24.5 | **24.7** |
| | | 100 | 0 | 23.9 | 24.2 | 23.9 | 22.7 | 22.9 | 22.7 | 23.3 | 23.4 | 23.5 | 23.1 | 23.5 | 23.7 |
| | 16QAM | 1 | 0 | 23.0 | 23.3 | 22.8 | 21.7 | 21.8 | 21.9 | 22.2 | 22.3 | 22.5 | 21.9 | 22.1 | 22.8 |
| | | 1 | 1 | 23.8 | 24.0 | 24.1 | 22.7 | 22.6 | 23.0 | 23.2 | 23.3 | **23.6** | 22.8 | 23.1 | 23.8 |
| | | 1 | 104 | 24.0 | 24.1 | 23.7 | **23.3** | 23.0 | 22.7 | 23.0 | **23.6** | 23.1 | 22.8 | 23.4 | **23.8** |
| | | 1 | 105 | 23.3 | 23.0 | 22.8 | 21.8 | 22.2 | 21.8 | 22.3 | 22.6 | 22.4 | 21.6 | 22.4 | 22.8 |
| | | 50 | 25 | 23.9 | **24.1** | 24.0 | 22.7 | 22.9 | 22.8 | 23.2 | 23.4 | 23.5 | 23.1 | 23.6 | 23.7 |
| | | 100 | 0 | 22.8 | 23.1 | 23.0 | 21.7 | 21.8 | 21.7 | 22.2 | 22.6 | 22.5 | 22.1 | 22.5 | 22.7 |
| | 64QAM | 1 | 0 | 22.6 | 22.7 | 22.5 | 21.1 | 21.7 | 21.1 | 21.9 | 22.0 | 21.9 | 21.4 | 21.9 | 22.3 |
| | | 1 | 1 | 22.7 | 22.4 | 22.6 | 21.3 | 21.2 | 21.2 | 21.8 | 21.5 | 21.8 | 21.5 | 21.8 | 22.1 |
| | | 1 | 104 | 22.5 | 22.7 | 22.6 | 21.6 | **22.0** | 21.2 | 21.3 | 22.1 | **22.1** | 21.5 | 22.1 | **22.4** |
| | | 1 | 105 | **22.8** | 22.7 | 22.7 | 21.6 | 21.6 | 20.8 | 21.7 | 22.1 | 21.7 | 21.4 | 22.1 | 22.2 |
| | | 50 | 25 | 22.4 | 22.6 | 22.5 | 21.3 | 21.5 | 21.4 | 21.7 | 22.0 | 22.0 | 21.6 | 22.0 | 22.1 |
| | | 100 | 0 | 22.4 | 22.6 | 22.5 | 21.2 | 21.4 | 21.2 | 21.9 | 22.0 | 22.0 | 21.5 | 22.0 | 22.2 |
| | 256QAM | 1 | 0 | 20.2 | 20.8 | 20.3 | 19.4 | 19.4 | 19.5 | 19.6 | 19.9 | 20.0 | 19.6 | 19.9 | 20.1 |
| | | 1 | 1 | 20.1 | **20.8** | 20.2 | 19.3 | 19.2 | 19.3 | 19.7 | 20.0 | 20.0 | 19.6 | 19.8 | 20.1 |
| | | 1 | 104 | 20.5 | 20.7 | 20.2 | 19.6 | 19.5 | 19.4 | 19.8 | **20.3** | 19.8 | 19.6 | 20.1 | **20.1** |
| | | 1 | 105 | 20.7 | 20.7 | 20.6 | 19.5 | **19.7** | 19.1 | 19.7 | 20.1 | 19.6 | 19.5 | 20.1 | 20.1 |
| | | 50 | 25 | 20.4 | 20.6 | 20.4 | 19.1 | 19.6 | 19.3 | 19.7 | 20.0 | 19.9 | 19.6 | 20.0 | 20.1 |
| | | 100 | 0 | 20.3 | 20.6 | 20.4 | 19.3 | 19.6 | 19.2 | 19.8 | 19.9 | 20.0 | 19.5 | 19.9 | 20.1 |



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## OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 648333 | 656000 | 663666 | 648333 | 656000 | 663666 | 648333 | 656000 | 663666 | 648333 | 656000 | 663666 |
| | | | | 3725.0 | 3840.0 | 3955.0 | 3725.0 | 3840.0 | 3955.0 | 3725.0 | 3840.0 | 3955.0 | 3725.0 | 3840.0 | 3955.0 |
| 50.0 | BPSK | 1 | 0 | 24.4 | 24.6 | 24.6 | 23.4 | 23.3 | 23.4 | 23.8 | 23.7 | 24.0 | 23.6 | 23.7 | 24.0 |
| | | 1 | 1 | 24.9 | 25.0 | 25.2 | 23.8 | 23.7 | 23.8 | 24.2 | 24.1 | 24.6 | 24.0 | 24.2 | 24.5 |
| | | 1 | 131 | 25.2 | **25.3** | 25.1 | 24.0 | **24.1** | 23.8 | 24.4 | **24.6** | 24.4 | 24.0 | 24.5 | 24.5 |
| | | 1 | 132 | 24.7 | 24.8 | 24.6 | 23.5 | 23.7 | 23.3 | 23.8 | 24.2 | 23.9 | 23.6 | 24.0 | 24.0 |
| | | 64 | 32 | 25.0 | 25.2 | 24.9 | 23.8 | 24.0 | 23.8 | 24.3 | 24.5 | 24.5 | 24.0 | 24.5 | **24.7** |
| | | 128 | 0 | 24.4 | 24.7 | 24.5 | 23.2 | 23.4 | 23.3 | 23.8 | 24.0 | 24.2 | 23.5 | 24.0 | 24.2 |
| | QPSK | 1 | 0 | 23.9 | 24.1 | 24.1 | 22.6 | 22.8 | 22.8 | 23.4 | 23.2 | 23.7 | 23.0 | 23.2 | 23.5 |
| | | 1 | 1 | 24.9 | 24.9 | 25.0 | 23.7 | 23.7 | 23.8 | 24.5 | 24.2 | 24.6 | 24.0 | 24.3 | 24.5 |
| | | 1 | 131 | 25.2 | **25.3** | 25.0 | 23.8 | **24.2** | 23.8 | 24.4 | 24.5 | 24.5 | 24.1 | 24.6 | 24.5 |
| | | 1 | 132 | 24.2 | 24.3 | 24.0 | 22.9 | 23.1 | 22.9 | 23.2 | 23.6 | 23.4 | 23.1 | 23.5 | 23.5 |
| | | 64 | 32 | 25.0 | 25.1 | 24.9 | 23.7 | 24.0 | 23.9 | 24.3 | 24.5 | **24.6** | 24.1 | 24.5 | **24.7** |
| | | 128 | 0 | 24.0 | 24.1 | 24.0 | 22.8 | 22.9 | 22.8 | 23.3 | 23.5 | 23.5 | 23.0 | 23.5 | 23.6 |
| | 16QAM | 1 | 0 | 22.9 | 23.1 | 23.0 | 21.6 | 21.9 | 21.7 | 22.3 | 22.0 | 22.4 | 22.1 | 22.2 | 22.5 |
| | | 1 | 1 | 24.0 | 24.2 | 23.9 | 22.6 | 22.8 | 22.7 | 23.5 | 23.5 | 23.4 | 23.2 | 23.3 | 23.4 |
| | | 1 | 131 | 24.2 | **24.4** | 23.9 | 22.9 | **23.1** | 22.6 | 23.3 | 23.4 | 23.5 | 23.2 | 23.5 | 23.5 |
| | | 1 | 132 | 23.3 | 23.5 | 22.8 | 21.9 | 22.3 | 22.1 | 22.3 | 22.4 | 22.5 | 22.1 | 22.6 | 22.5 |
| | | 64 | 32 | 24.0 | 24.2 | 24.1 | 22.6 | 22.9 | 22.9 | 23.2 | 23.5 | **23.5** | 23.1 | 23.5 | **23.7** |
| | | 128 | 0 | 22.9 | 23.2 | 23.0 | 21.8 | 22.0 | 21.8 | 22.3 | 22.4 | 22.4 | 22.1 | 22.4 | 22.6 |
| | 64QAM | 1 | 0 | 22.3 | 22.6 | 22.4 | 20.9 | 21.0 | 21.2 | 22.0 | 21.8 | 21.9 | 21.4 | 21.8 | 22.0 |
| | | 1 | 1 | 22.6 | 22.7 | 22.5 | 21.0 | 21.2 | 21.2 | 22.1 | 21.5 | **22.1** | 21.4 | 21.9 | 21.9 |
| | | 1 | 131 | **22.8** | 22.6 | 22.6 | 21.2 | **21.6** | 21.2 | 21.6 | 21.9 | 21.9 | 21.5 | **22.2** | 22.2 |
| | | 1 | 132 | 22.8 | 22.8 | 22.4 | 21.1 | 21.6 | 21.0 | 21.6 | 22.1 | 22.0 | 21.5 | 22.2 | 22.0 |
| | | 64 | 32 | 22.5 | 22.6 | 22.6 | 21.3 | 21.4 | 21.3 | 21.6 | 22.1 | 22.0 | 21.6 | 22.0 | 22.2 |
| | | 128 | 0 | 22.4 | 22.6 | 22.5 | 21.3 | 21.4 | 21.3 | 21.7 | 21.9 | 21.9 | 21.5 | 22.0 | 22.1 |
| | 256QAM | 1 | 0 | 20.3 | 20.9 | 20.4 | 19.0 | 19.3 | 19.6 | 19.6 | 19.8 | **20.4** | 19.6 | 20.1 | 19.8 |
| | | 1 | 1 | 20.1 | 20.7 | 20.8 | 19.0 | 19.3 | 19.5 | 19.8 | 19.9 | 20.4 | 19.5 | 20.0 | 19.9 |
| | | 1 | 131 | 20.7 | 20.8 | 20.4 | 19.3 | **19.7** | 19.4 | 19.7 | 20.3 | 20.2 | 19.6 | **20.4** | 20.1 |
| | | 1 | 132 | 20.4 | **21.1** | 20.6 | 19.3 | 19.3 | 19.5 | 19.8 | 20.2 | 19.6 | 19.5 | 20.3 | 20.0 |
| | | 64 | 32 | 20.5 | 20.7 | 20.4 | 19.2 | 19.5 | 19.3 | 19.8 | 20.0 | 20.0 | 19.5 | 19.9 | 20.2 |
| | | 128 | 0 | 20.4 | 20.6 | 20.4 | 19.2 | 19.5 | 19.2 | 19.7 | 19.9 | 20.0 | 19.4 | 20.0 | 20.1 |

## OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 648666 | 656000 | 663333 | 648666 | 656000 | 663333 | 648666 | 656000 | 663333 | 648666 | 656000 | 663333 |
| | | | | 3730.0 | 3840.0 | 3950.0 | 3730.0 | 3840.0 | 3950.0 | 3730.0 | 3840.0 | 3950.0 | 3730.0 | 3840.0 | 3950.0 |
| 60.0 | BPSK | 1 | 0 | 24.3 | 24.4 | 24.6 | 23.3 | 23.1 | 23.3 | 23.8 | 23.6 | 24.1 | 23.4 | 23.6 | 23.7 |
| | | 1 | 1 | 24.8 | 24.9 | 24.9 | 23.7 | 23.7 | 23.8 | 24.3 | 24.0 | **24.7** | 23.8 | 24.0 | 24.2 |
| | | 1 | 160 | 25.2 | **25.3** | 25.1 | 24.1 | **24.2** | 23.9 | 24.2 | 24.6 | 24.4 | 23.9 | 24.5 | 24.4 |
| | | 1 | 161 | 24.6 | 24.8 | 24.4 | 23.4 | 23.5 | 23.4 | 23.6 | 24.1 | 24.0 | 23.4 | 23.9 | 23.9 |
| | | 81 | 40 | 25.0 | 25.1 | 24.8 | 23.8 | 24.0 | 23.8 | 24.2 | 24.5 | 24.6 | 24.0 | 24.4 | **24.5** |
| | | 162 | 0 | 24.5 | 24.7 | 24.4 | 23.3 | 23.4 | 23.3 | 23.6 | 24.0 | 24.3 | 23.5 | 23.9 | 24.1 |
| | QPSK | 1 | 0 | 23.8 | 23.9 | 23.9 | 22.6 | 22.5 | 22.7 | 23.3 | 23.1 | 23.6 | 23.0 | 23.1 | 23.4 |
| | | 1 | 1 | 24.8 | 24.9 | 24.9 | 23.8 | 23.8 | 23.6 | 24.3 | 24.0 | **24.6** | 23.9 | 24.1 | 24.4 |
| | | 1 | 160 | 25.1 | **25.1** | 25.0 | 24.0 | **24.1** | 23.7 | 24.1 | 24.5 | 24.4 | 23.9 | 24.4 | 24.5 |
| | | 1 | 161 | 24.2 | 24.3 | 24.0 | 23.0 | 23.0 | 22.7 | 23.1 | 23.5 | 23.5 | 22.9 | 23.4 | 23.6 |
| | | 81 | 40 | 25.0 | 25.0 | 25.0 | 23.8 | 23.9 | 23.8 | 24.3 | 24.4 | 24.6 | 23.9 | 24.4 | **24.7** |
| | | 162 | 0 | 24.0 | 24.0 | 23.9 | 22.8 | 23.0 | 22.8 | 23.2 | 23.4 | 23.7 | 22.9 | 23.4 | 23.7 |
| | 16QAM | 1 | 0 | 22.9 | 23.1 | 23.2 | 21.7 | 21.5 | 21.7 | 22.4 | 22.0 | 22.5 | 21.8 | 22.1 | 22.3 |
| | | 1 | 1 | 23.9 | 23.8 | 24.1 | 22.7 | 22.6 | 22.6 | 23.3 | 23.1 | 23.6 | 22.9 | 23.1 | 23.3 |
| | | 1 | 160 | **24.3** | 24.2 | 24.2 | 22.6 | **23.0** | 22.6 | 23.3 | **23.7** | 23.7 | 22.9 | 23.5 | 23.5 |
| | | 1 | 161 | 22.9 | 23.3 | 22.7 | 21.7 | 22.2 | 21.7 | 22.3 | 22.4 | 22.8 | 21.8 | 22.4 | 22.5 |
| | | 81 | 40 | 24.0 | 24.1 | 24.1 | 22.8 | 23.0 | 22.8 | 23.3 | 23.5 | 23.7 | 23.0 | 23.4 | **23.5** |
| | | 162 | 0 | 22.9 | 23.1 | 23.0 | 21.8 | 22.0 | 21.8 | 22.2 | 22.4 | 22.6 | 21.9 | 22.4 | 22.6 |
| | 64QAM | 1 | 0 | 22.1 | 22.4 | 22.7 | 21.4 | 21.0 | 21.1 | 21.8 | 21.5 | 22.4 | 21.4 | 21.6 | 21.7 |
| | | 1 | 1 | 22.2 | 22.6 | 22.8 | 21.3 | 21.0 | 21.2 | 21.7 | 21.5 | **22.7** | 21.4 | 21.5 | 21.7 |
| | | 1 | 160 | 22.5 | **23.0** | 22.7 | 21.3 | 21.5 | 21.0 | 21.4 | 22.1 | 22.0 | 21.4 | 21.7 | 21.9 |
| | | 1 | 161 | 22.7 | 22.9 | 22.6 | **21.6** | 21.5 | 21.2 | 21.7 | 22.0 | 21.9 | 21.3 | 21.8 | 21.8 |
| | | 81 | 40 | 22.4 | 22.5 | 22.4 | 21.2 | 21.4 | 21.2 | 21.6 | 21.9 | 22.0 | 21.4 | 21.9 | **22.1** |
| | | 162 | 0 | 22.3 | 22.5 | 22.5 | 21.3 | 21.4 | 21.3 | 21.7 | 21.9 | 22.2 | 21.5 | 21.9 | 22.0 |
| | 256QAM | 1 | 0 | 20.4 | 20.2 | 20.5 | 19.4 | 19.4 | 19.0 | 19.5 | 19.6 | **20.6** | 19.5 | 19.7 | 19.8 |
| | | 1 | 1 | 20.4 | 20.6 | 20.4 | 19.2 | 19.2 | 19.3 | 19.6 | 19.4 | 20.1 | 19.5 | 19.7 | 19.8 |
| | | 1 | 160 | 20.6 | 20.5 | 20.7 | 19.8 | **19.8** | 19.4 | 19.7 | 19.9 | 19.9 | 19.4 | 20.0 | 19.9 |
| | | 1 | 161 | **20.9** | 20.7 | 20.7 | 19.7 | 19.8 | 19.4 | 19.6 | 20.2 | 19.8 | 19.4 | **20.1** | 19.8 |
| | | 81 | 40 | 20.5 | 20.7 | 20.4 | 19.3 | 19.6 | 19.3 | 19.8 | 19.9 | 20.1 | 19.4 | 19.9 | 20.1 |
| | | 162 | 0 | 20.5 | 20.7 | 20.5 | 19.3 | 19.5 | 19.2 | 19.8 | 19.9 | 20.1 | 19.4 | 19.9 | 20.0 |



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## OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 649000 | 656000 | 663000 | 649000 | 656000 | 663000 | 649000 | 656000 | 663000 | 649000 | 656000 | 663000 |
| | | | | 3735.0 | 3840.0 | 3945.0 | 3735.0 | 3840.0 | 3945.0 | 3735.0 | 3840.0 | 3945.0 | 3735.0 | 3840.0 | 3945.0 |
| 70.0 | BPSK | 1 | 0 | 24.4 | 24.7 | 24.5 | 23.2 | 23.1 | 23.0 | 24.4 | 24.0 | 24.2 | 23.4 | 23.5 | 23.7 |
| | | 1 | 1 | 24.9 | 25.0 | 24.9 | 23.7 | 23.7 | 23.7 | 24.6 | 24.5 | 24.7 | 24.0 | 24.1 | 24.2 |
| | | 1 | 187 | 25.2 | 25.2 | **25.3** | 23.9 | **24.2** | 23.8 | 24.6 | **24.9** | 24.5 | 23.9 | 24.4 | 24.4 |
| | | 1 | 188 | 24.7 | 24.7 | 24.6 | 23.4 | 23.5 | 23.4 | 24.1 | 24.4 | 24.1 | 23.4 | 23.8 | 23.8 |
| | | 90 | 45 | 25.0 | 25.0 | 25.0 | 23.8 | 23.9 | 23.9 | 24.6 | 24.9 | 24.8 | 24.1 | 24.5 | **24.5** |
| | | 180 | 0 | 24.6 | 24.7 | 24.5 | 23.3 | 23.4 | 23.2 | 24.1 | 24.2 | 24.1 | 23.5 | 23.9 | 24.0 |
| | QPSK | 1 | 0 | 23.9 | 23.9 | 24.1 | 22.7 | 22.7 | 22.6 | 23.7 | 23.6 | 23.6 | 22.9 | 23.1 | 23.3 |
| | | 1 | 1 | 24.8 | 25.0 | 24.9 | 23.8 | 23.8 | 23.5 | 24.6 | 24.4 | 24.7 | 23.9 | 24.1 | 24.3 |
| | | 1 | 187 | 25.1 | **25.2** | 25.0 | 24.0 | **24.1** | 23.8 | 24.5 | **24.9** | 24.6 | 23.9 | 24.5 | 24.4 |
| | | 1 | 188 | 24.2 | 24.1 | 24.0 | 22.9 | 23.0 | 22.8 | 23.6 | 23.9 | 23.6 | 23.0 | 23.4 | 23.4 |
| | | 90 | 45 | 25.0 | 25.0 | 25.0 | 23.7 | 24.0 | 23.7 | 24.6 | 24.7 | 24.8 | 23.9 | 24.5 | **24.5** |
| | | 180 | 0 | 24.0 | 23.9 | 23.9 | 22.8 | 22.9 | 22.7 | 23.6 | 23.8 | 23.8 | 23.0 | 23.4 | 23.4 |
| | 16QAM | 1 | 0 | 23.3 | 22.6 | 22.9 | 21.7 | 21.8 | 21.5 | 23.1 | 22.2 | 22.7 | 22.0 | 22.3 | 22.1 |
| | | 1 | 1 | 24.1 | 23.9 | 24.0 | 22.7 | 23.0 | 22.6 | **24.0** | 23.5 | 23.5 | 23.1 | 23.3 | 23.2 |
| | | 1 | 187 | **24.1** | 23.8 | 23.9 | 23.1 | **23.2** | 22.9 | 23.8 | 23.8 | 23.6 | 23.1 | **23.6** | 23.3 |
| | | 1 | 188 | 23.3 | 23.0 | 23.5 | 21.9 | 22.1 | 21.7 | 22.9 | 22.9 | 22.4 | 22.1 | 22.5 | 22.5 |
| | | 90 | 45 | 24.0 | 24.0 | 24.0 | 22.7 | 22.9 | 22.8 | 23.6 | 23.7 | 23.8 | 23.1 | 23.4 | 23.5 |
| | | 180 | 0 | 22.9 | 23.1 | 23.0 | 21.8 | 21.9 | 21.7 | 22.6 | 22.7 | 22.8 | 21.9 | 22.4 | 22.4 |
| | 64QAM | 1 | 0 | 22.5 | 22.5 | 22.6 | 21.0 | 21.1 | 21.3 | 22.2 | 21.9 | 22.2 | 21.6 | 21.5 | 21.7 |
| | | 1 | 1 | 22.5 | 22.5 | 22.4 | 21.0 | 21.1 | 21.3 | **22.5** | 22.0 | 22.4 | 21.7 | 21.6 | 21.7 |
| | | 1 | 187 | 22.8 | 22.5 | 22.7 | 21.5 | 21.5 | **21.6** | 22.4 | 22.4 | 21.8 | 21.7 | 21.9 | 21.9 |
| | | 1 | 188 | 22.9 | **23.0** | 22.5 | 21.3 | 21.4 | 21.5 | 22.3 | 22.4 | 22.3 | 21.7 | 21.9 | 21.9 |
| | | 90 | 45 | 22.5 | 22.5 | 22.5 | 21.2 | 21.4 | 21.2 | 22.1 | 22.2 | 22.3 | 21.5 | 21.9 | 22.0 |
| | | 180 | 0 | 22.5 | 22.6 | 22.5 | 21.3 | 21.4 | 21.3 | 21.9 | 22.3 | 22.2 | 21.5 | **22.0** | 22.0 |
| | 256QAM | 1 | 0 | 20.4 | 20.4 | 20.6 | 19.6 | 19.1 | 19.2 | 20.3 | 20.1 | 20.0 | 19.8 | 19.8 | 19.8 |
| | | 1 | 1 | 20.2 | 20.2 | 20.4 | 19.3 | 19.1 | 19.2 | 20.4 | 19.9 | 20.1 | 19.8 | 19.6 | 19.8 |
| | | 1 | 187 | 20.6 | 20.4 | **20.8** | **19.8** | 19.5 | 19.4 | 20.4 | **20.7** | 20.2 | 19.7 | 20.0 | 20.0 |
| | | 1 | 188 | 20.7 | 20.5 | **20.8** | 19.6 | 19.4 | 19.5 | 20.1 | 20.5 | 19.9 | 19.6 | 20.0 | 19.9 |
| | | 90 | 45 | 20.5 | 20.6 | 20.4 | 19.3 | 19.4 | 19.3 | 20.0 | 20.2 | 20.3 | 19.4 | 19.9 | **20.1** |
| | | 180 | 0 | 20.5 | 20.5 | 20.5 | 19.4 | 19.4 | 19.3 | 20.0 | 20.3 | 20.3 | 19.5 | 19.9 | 20.0 |

## OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 649333 | 656000 | 662666 | 649333 | 656000 | 662666 | 649333 | 656000 | 662666 | 649333 | 656000 | 662666 |
| | | | | 3740.0 | 3840.0 | 3940.0 | 3740.0 | 3840.0 | 3940.0 | 3740.0 | 3840.0 | 3940.0 | 3740.0 | 3840.0 | 3940.0 |
| 80.0 | BPSK | 1 | 0 | 24.5 | 24.7 | 24.6 | 23.3 | 23.3 | 23.4 | 24.0 | 23.9 | 24.2 | 23.4 | 23.6 | 23.8 |
| | | 1 | 1 | 25.0 | 25.0 | **25.2** | 23.8 | 23.9 | 23.9 | 24.5 | 24.5 | 24.6 | 24.0 | 24.2 | 24.4 |
| | | 1 | 215 | 25.1 | 25.2 | 25.2 | **24.0** | 24.0 | 23.9 | 24.5 | **24.8** | 24.5 | 24.0 | 24.4 | 24.5 |
| | | 1 | 216 | 24.8 | 24.7 | 24.6 | 23.5 | 23.5 | 23.5 | 24.1 | 24.4 | 24.0 | 23.6 | 23.9 | 23.9 |
| | | 108 | 54 | 24.9 | 25.1 | 24.9 | 23.8 | **24.0** | 23.8 | 24.3 | 24.8 | 24.6 | 24.1 | 24.4 | **24.6** |
| | | 216 | 0 | 24.4 | 24.7 | 24.5 | 23.3 | 23.3 | 23.4 | 24.1 | 24.3 | 24.1 | 23.6 | 23.8 | 24.1 |
| | QPSK | 1 | 0 | 23.8 | 24.2 | 24.2 | 22.7 | 22.9 | 22.8 | 23.4 | 23.4 | 23.7 | 23.0 | 23.1 | 23.3 |
| | | 1 | 1 | 25.0 | 25.1 | 25.2 | 23.8 | 23.9 | 23.8 | 24.5 | 24.5 | 24.7 | 24.1 | 24.1 | 24.4 |
| | | 1 | 215 | 25.1 | 25.2 | **25.3** | 23.9 | 24.0 | **24.0** | 24.5 | **25.0** | 24.4 | 24.2 | 24.4 | **24.5** |
| | | 1 | 216 | 24.2 | 24.1 | 24.2 | 23.0 | 23.0 | 22.9 | 23.6 | 23.9 | 23.5 | 23.0 | 23.4 | 23.5 |
| | | 108 | 54 | 25.0 | 25.0 | 24.9 | 23.8 | 23.8 | 23.7 | 24.6 | 24.9 | 24.7 | 24.0 | 24.4 | 24.4 |
| | | 216 | 0 | 23.9 | 24.0 | 24.0 | 22.8 | 22.9 | 22.7 | 23.5 | 23.9 | 23.7 | 22.9 | 23.4 | 23.6 |
| | 16QAM | 1 | 0 | 23.0 | 23.2 | 23.2 | 21.6 | 21.8 | 21.8 | 22.6 | 22.4 | 22.4 | 22.0 | 22.1 | 22.2 |
| | | 1 | 1 | 23.7 | 23.9 | 23.9 | 22.4 | 22.9 | 22.7 | 23.6 | 23.4 | 23.5 | 23.0 | 23.1 | 23.3 |
| | | 1 | 215 | 24.2 | 24.0 | **24.3** | 22.9 | **23.1** | 22.9 | 23.7 | **23.9** | 23.2 | 23.1 | 23.4 | 23.3 |
| | | 1 | 216 | 22.9 | 23.4 | 23.2 | 22.0 | 22.0 | 21.9 | 22.7 | 22.8 | 22.3 | 22.0 | 22.4 | 22.4 |
| | | 108 | 54 | 24.0 | 24.1 | 24.0 | 22.8 | 22.9 | 22.8 | 23.5 | 23.8 | 23.5 | 23.1 | 23.4 | **23.4** |
| | | 216 | 0 | 23.0 | 23.2 | 22.9 | 21.7 | 21.9 | 21.8 | 22.5 | 22.9 | 22.6 | 22.0 | 22.4 | 22.5 |
| | 64QAM | 1 | 0 | 22.1 | **22.7** | 22.5 | 21.2 | 21.5 | 21.3 | 22.3 | 21.7 | 22.3 | 21.4 | 21.8 | 21.7 |
| | | 1 | 1 | 22.3 | 22.6 | 22.6 | 21.5 | 21.2 | 21.2 | 21.8 | 21.9 | 22.3 | 21.4 | 21.9 | 21.9 |
| | | 1 | 215 | 22.5 | 22.6 | 22.5 | 21.4 | **21.7** | 21.6 | 22.4 | 22.3 | 22.2 | 21.4 | 22.1 | 22.0 |
| | | 1 | 216 | 22.5 | 22.6 | 22.7 | 21.4 | 21.4 | 21.5 | 22.3 | **22.5** | 22.0 | 21.3 | **22.2** | 21.8 |
| | | 108 | 54 | 22.6 | 22.6 | 22.5 | 21.3 | 21.5 | 21.3 | 21.9 | 22.3 | 22.3 | 21.6 | 21.9 | 21.9 |
| | | 216 | 0 | 22.4 | 22.5 | 22.5 | 21.3 | 21.3 | 21.3 | 22.1 | 22.3 | 22.2 | 21.6 | 21.9 | 21.9 |
| | 256QAM | 1 | 0 | 20.8 | 20.6 | 20.4 | 19.2 | 19.5 | 19.1 | 20.0 | 20.1 | 20.1 | 19.4 | 19.4 | 19.5 |
| | | 1 | 1 | 20.4 | 20.6 | 20.9 | 19.1 | 19.3 | 19.3 | 20.3 | 20.0 | 20.1 | 19.5 | 19.6 | 19.6 |
| | | 1 | 215 | 20.8 | 20.8 | 20.9 | 19.5 | **19.8** | 19.2 | 20.0 | 20.4 | 19.8 | 19.4 | 19.8 | 19.8 |
| | | 1 | 216 | 20.9 | 20.9 | **21.0** | 19.5 | 19.6 | 19.1 | 20.1 | **20.5** | 19.7 | 19.4 | 19.8 | 19.8 |
| | | 108 | 54 | 20.5 | 20.5 | 20.4 | 19.3 | 19.4 | 19.3 | 20.0 | 20.3 | 20.1 | 19.5 | 19.8 | **20.0** |
| | | 216 | 0 | 20.6 | 20.6 | 20.4 | 19.2 | 19.5 | 19.3 | 20.0 | 20.3 | 20.2 | 19.4 | 19.9 | 19.9 |



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## OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 649666 | 656000 | 662333 | 649666 | 656000 | 662333 | 649666 | 656000 | 662333 | 649666 | 656000 | 662333 |
| | | | | 3745.0 | 3840.0 | 3935.0 | 3745.0 | 3840.0 | 3935.0 | 3745.0 | 3840.0 | 3935.0 | 3745.0 | 3840.0 | 3935.0 |
| 90.0 | BPSK | 1 | 0 | 24.4 | 24.5 | 24.6 | 23.3 | 23.2 | 23.3 | 24.1 | 23.8 | 24.2 | 23.5 | 23.6 | 23.7 |
| | | 1 | 1 | 25.0 | 25.2 | 25.2 | 23.9 | 23.9 | 23.8 | 24.6 | 24.5 | **24.9** | 24.1 | 24.2 | 24.3 |
| | | 1 | 243 | 25.2 | 25.2 | **25.4** | 23.9 | 23.9 | **24.0** | 24.5 | 24.9 | 24.5 | 24.3 | **24.5** | 24.4 |
| | | 1 | 244 | 24.6 | 24.7 | 24.7 | 23.4 | 23.5 | 23.4 | 24.1 | 24.3 | 23.8 | 23.6 | 23.8 | 23.8 |
| | | 120 | 60 | 25.0 | 25.2 | 24.9 | 23.9 | 23.9 | 23.7 | 24.5 | 24.8 | 24.6 | 24.1 | 24.4 | 24.4 |
| | | 243 | 0 | 24.4 | 24.7 | 24.5 | 23.2 | 23.4 | 23.3 | 23.9 | 24.4 | 24.2 | 23.6 | 23.9 | 23.9 |
| | QPSK | 1 | 0 | 24.0 | 23.9 | 24.1 | 22.7 | 22.8 | 22.8 | 23.4 | 23.2 | 23.7 | 22.9 | 23.0 | 23.2 |
| | | 1 | 1 | 24.8 | 25.1 | 25.0 | 23.8 | 23.8 | 23.8 | 24.6 | 24.5 | **24.9** | 24.1 | 24.1 | 24.3 |
| | | 1 | 243 | 25.1 | 25.2 | **25.3** | 23.8 | **24.0** | 23.9 | 24.6 | 24.9 | 24.3 | 24.1 | 24.4 | 24.4 |
| | | 1 | 244 | 24.1 | 24.2 | 24.1 | 22.8 | 22.9 | 22.8 | 23.4 | 23.8 | 23.3 | 23.1 | 23.3 | 23.3 |
| | | 120 | 60 | 25.0 | 25.1 | 24.9 | 23.7 | 23.9 | 23.7 | 24.5 | 24.7 | 24.6 | 24.1 | **24.5** | 24.4 |
| | | 243 | 0 | 23.9 | 24.1 | 24.0 | 22.8 | 22.9 | 22.7 | 23.5 | 23.7 | 23.7 | 23.1 | 23.4 | 23.4 |
| | 16QAM | 1 | 0 | 22.7 | 23.1 | 23.1 | 21.2 | 21.8 | 21.7 | 22.4 | 22.2 | 22.7 | 22.0 | 22.1 | 22.3 |
| | | 1 | 1 | 23.9 | 24.1 | 24.0 | 22.4 | 23.0 | 22.8 | 23.2 | 23.2 | 23.6 | 23.1 | 23.2 | 23.4 |
| | | 1 | 243 | 24.0 | 24.1 | **24.1** | 22.6 | **23.1** | 22.9 | 23.6 | 23.7 | 23.4 | 23.2 | 23.5 | 23.5 |
| | | 1 | 244 | 23.1 | 22.8 | 23.2 | 21.5 | 22.0 | 22.1 | 22.8 | 22.8 | 22.5 | 22.0 | 22.4 | 22.3 |
| | | 120 | 60 | 24.0 | 24.1 | 23.9 | 22.7 | 23.0 | 22.7 | 23.6 | **23.7** | 23.7 | 23.1 | 23.4 | **23.5** |
| | | 243 | 0 | 23.0 | 23.2 | 22.9 | 21.8 | 21.9 | 21.8 | 22.5 | 22.8 | 22.7 | 22.0 | 22.4 | 22.4 |
| | 64QAM | 1 | 0 | 22.6 | 22.5 | 22.6 | 21.0 | 21.3 | 21.5 | 22.0 | 22.0 | 22.2 | 21.6 | 21.4 | 21.7 |
| | | 1 | 1 | 22.7 | 22.6 | **23.2** | 21.3 | 21.3 | 21.5 | 22.2 | 22.0 | 22.3 | 21.7 | 21.3 | 21.8 |
| | | 1 | 243 | 22.9 | 22.8 | 22.6 | 21.3 | **21.5** | 21.4 | 21.8 | **22.6** | 22.0 | 21.7 | 21.6 | 21.9 |
| | | 1 | 244 | 22.8 | 22.9 | 22.9 | 21.1 | 21.3 | 21.2 | 21.6 | 22.3 | 21.8 | 21.6 | 21.6 | 21.8 |
| | | 120 | 60 | 22.5 | 22.6 | 22.4 | 21.2 | 21.5 | 21.2 | 22.2 | 22.3 | 22.1 | 21.5 | 21.9 | 21.9 |
| | | 243 | 0 | 22.5 | 22.6 | 22.4 | 21.3 | 21.4 | 21.2 | 22.0 | 22.3 | 22.1 | 21.5 | **22.0** | 21.9 |
| | 256QAM | 1 | 0 | 20.3 | 20.9 | 20.1 | 19.4 | 19.0 | 19.4 | 19.8 | 19.6 | 20.2 | 19.5 | 19.5 | 19.8 |
| | | 1 | 1 | 20.6 | **21.1** | 20.5 | 19.4 | 19.3 | 19.4 | 20.1 | 19.6 | 20.4 | 19.6 | 19.6 | 19.9 |
| | | 1 | 243 | 20.5 | 20.5 | 20.8 | 19.3 | 19.3 | **19.6** | 20.3 | 20.1 | 20.0 | 19.7 | 19.9 | **20.0** |
| | | 1 | 244 | 20.6 | 20.3 | 20.8 | 19.3 | 19.4 | 19.5 | 20.0 | **20.4** | 19.9 | 19.6 | 19.8 | 19.8 |
| | | 120 | 60 | 20.5 | 20.7 | 20.4 | 19.3 | 19.5 | 19.1 | 20.1 | 20.4 | 20.1 | 19.5 | 19.9 | 20.0 |
| | | 243 | 0 | 20.4 | 20.6 | 20.4 | 19.3 | 19.4 | 19.3 | 20.0 | 20.4 | 20.1 | 19.5 | 19.9 | 19.9 |

## OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 650000 | 656000 | 662000 | 650000 | 656000 | 662000 | 650000 | 656000 | 662000 | 650000 | 656000 | 662000 |
| | | | | 3750.0 | 3840.0 | 3930.0 | 3750.0 | 3840.0 | 3930.0 | 3750.0 | 3840.0 | 3930.0 | 3750.0 | 3840.0 | 3930.0 |
| 100.0 | BPSK | 1 | 0 | 24.3 | 24.4 | 24.5 | 23.2 | 23.2 | 23.4 | 23.9 | 23.8 | 24.2 | 23.4 | 23.5 | 23.8 |
| | | 1 | 1 | 25.0 | 25.0 | 25.1 | 23.8 | 23.9 | 24.1 | 24.5 | 24.5 | **24.9** | 24.1 | 24.1 | 24.3 |
| | | 1 | 271 | **25.2** | 25.1 | 25.1 | 24.0 | 24.0 | **24.1** | 24.5 | 24.7 | 24.3 | 24.3 | 24.4 | 24.5 |
| | | 1 | 272 | 24.5 | 24.6 | 24.5 | 23.4 | 23.4 | 23.4 | 23.9 | 24.2 | 23.8 | 23.6 | 23.8 | 23.8 |
| | | 135 | 67 | 25.0 | 25.1 | 24.7 | 23.8 | 23.9 | 23.7 | 24.4 | 24.8 | 24.6 | 24.0 | **24.5** | 24.4 |
| | | 270 | 0 | 24.3 | 24.5 | 24.5 | 23.2 | 23.4 | 23.3 | 24.0 | 24.2 | 24.3 | 23.5 | 23.9 | 24.0 |
| | QPSK | 1 | 0 | 23.8 | 23.9 | 24.0 | 22.6 | 22.7 | 22.8 | 23.4 | 23.2 | 23.6 | 22.9 | 22.9 | 23.2 |
| | | 1 | 1 | 24.9 | **25.3** | 25.2 | 23.9 | 23.9 | **24.1** | 24.5 | 24.5 | 24.9 | 24.1 | 24.1 | 24.5 |
| | | 1 | 271 | 25.1 | 25.2 | 25.2 | 24.0 | 23.9 | 23.9 | 24.5 | **25.0** | 24.3 | 24.3 | 24.4 | **24.6** |
| | | 1 | 272 | 24.1 | 24.0 | 24.0 | 22.9 | 22.8 | 22.8 | 23.4 | 23.6 | 23.1 | 23.1 | 23.2 | 23.3 |
| | | 135 | 67 | 25.0 | 25.0 | 24.8 | 23.7 | 23.9 | 23.6 | 24.5 | 24.9 | 24.6 | 24.1 | 24.5 | 24.4 |
| | | 270 | 0 | 23.8 | 24.1 | 23.8 | 22.7 | 23.0 | 22.8 | 23.6 | 23.8 | 23.7 | 23.0 | 23.4 | 23.5 |
| | 16QAM | 1 | 0 | 22.7 | 23.0 | 23.3 | 21.6 | 21.6 | 22.0 | 22.3 | 22.5 | 22.5 | 21.9 | 22.0 | 22.2 |
| | | 1 | 1 | 23.9 | **24.4** | 24.4 | 22.6 | 22.9 | 22.9 | 23.3 | 23.3 | 23.8 | 23.1 | 23.1 | **23.4** |
| | | 1 | 271 | 24.0 | 24.4 | 24.3 | 22.9 | **23.1** | 22.9 | 23.4 | 23.8 | 23.1 | 23.2 | 23.4 | 23.4 |
| | | 1 | 272 | 22.8 | 23.3 | 23.2 | 21.7 | 22.0 | 21.8 | 22.3 | 22.7 | 22.1 | 22.1 | 22.2 | 22.3 |
| | | 135 | 67 | 23.9 | 24.1 | 23.7 | 22.7 | 22.9 | 22.6 | 23.5 | **23.9** | 23.6 | 23.1 | 23.4 | 23.4 |
| | | 270 | 0 | 22.9 | 23.1 | 22.8 | 21.8 | 21.9 | 21.7 | 22.4 | 22.8 | 22.7 | 22.0 | 22.3 | 22.5 |
| | 64QAM | 1 | 0 | 22.4 | 22.2 | 22.3 | 21.2 | 21.5 | 21.1 | 21.9 | 21.9 | 22.3 | 21.2 | 21.3 | 21.7 |
| | | 1 | 1 | 22.4 | 22.5 | 22.5 | 21.2 | 21.3 | 21.2 | 22.1 | 22.0 | **22.6** | 21.4 | 21.4 | 21.9 |
| | | 1 | 271 | **22.9** | 22.5 | 22.7 | **21.5** | 21.4 | 21.2 | 21.9 | 22.2 | 22.1 | 21.5 | 21.8 | **22.0** |
| | | 1 | 272 | 22.4 | 22.5 | 22.4 | 21.4 | 21.3 | 21.0 | 21.9 | 22.0 | 21.9 | 21.4 | 21.6 | 21.7 |
| | | 135 | 67 | 22.4 | 22.6 | 22.3 | 21.3 | 21.4 | 21.2 | 22.0 | 22.3 | 22.0 | 21.5 | 21.9 | 21.9 |
| | | 270 | 0 | 22.3 | 22.5 | 22.4 | 21.2 | 21.5 | 21.2 | 21.9 | 22.4 | 22.1 | 21.5 | 22.0 | **22.0** |
| | 256QAM | 1 | 0 | 19.9 | 20.5 | 20.7 | 19.1 | 19.4 | 19.4 | 19.8 | 19.8 | 20.2 | 19.4 | 19.4 | 19.6 |
| | | 1 | 1 | 20.7 | 20.8 | 20.8 | 19.1 | **19.6** | 19.5 | 20.2 | 20.0 | **20.4** | 19.6 | 19.6 | 19.8 |
| | | 1 | 271 | **21.0** | 20.7 | 20.5 | 19.5 | 19.6 | 19.5 | 20.0 | 20.3 | 20.0 | 19.7 | 19.9 | 19.9 |
| | | 1 | 272 | 20.8 | 20.7 | 20.2 | 19.3 | 19.4 | 19.4 | 19.8 | 19.9 | 19.7 | 19.5 | 19.7 | 19.7 |
| | | 135 | 67 | 20.3 | 20.5 | 20.2 | 19.2 | 19.4 | 19.2 | 20.0 | 20.2 | 20.0 | 19.5 | 19.9 | 19.9 |
| | | 270 | 0 | 20.4 | 20.6 | 20.4 | 19.2 | 19.5 | 19.3 | 20.0 | 20.4 | 20.1 | 19.5 | 19.9 | **19.9** |




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# 8.20. 5G NR n77 (Part 27 3700-3980MHz) HPUE

| Test Engineer ID: | 32934IG and 28498AC | Test Date: | 2024-03-11 to 2024-03-28 |
|---|---|---|---|

## OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647000 | 656000 | 665000 | 647000 | 656000 | 665000 | 647000 | 656000 | 665000 | 647000 | 656000 | 665000 |
| | | | | 3705.0 | 3840.0 | 3975.0 | 3705.0 | 3840.0 | 3975.0 | 3705.0 | 3840.0 | 3975.0 | 3705.0 | 3840.0 | 3975.0 |
| 10.0 | BPSK | 1 | 0 | 23.8 | 24.1 | 24.0 | 22.3 | 22.5 | 22.4 | 22.3 | 22.6 | 22.8 | 21.5 | 21.9 | 22.0 |
| | | 1 | 1 | 25.9 | 26.1 | 26.1 | 25.8 | **26.0** | 25.9 | 25.7 | 26.0 | 26.1 | 25.1 | 25.5 | 25.5 |
| | | 1 | 22 | 26.0 | 26.2 | 25.9 | 25.6 | **26.0** | 25.7 | 25.7 | **26.2** | 26.1 | 24.9 | 25.6 | **25.6** |
| | | 1 | 23 | 23.9 | 24.1 | 24.0 | 22.1 | 22.4 | 22.3 | 22.2 | 22.6 | 22.7 | 21.3 | 22.0 | 22.0 |
| | | 12 | 6 | 25.8 | **26.2** | 26.0 | 25.7 | 25.9 | 25.8 | 25.8 | 26.1 | **26.2** | 25.0 | 25.4 | 25.6 |
| | | 24 | 0 | 25.8 | 26.1 | 26.0 | 24.2 | 24.3 | 24.3 | 25.2 | 25.6 | 25.7 | 24.5 | 25.0 | 25.1 |
| | QPSK | 1 | 0 | 23.3 | 23.5 | 23.6 | 22.2 | 22.4 | 22.0 | 22.2 | 22.6 | 22.6 | 21.4 | 21.9 | 21.9 |
| | | 1 | 1 | 25.8 | 26.1 | 26.1 | 25.7 | 25.9 | 25.6 | 25.6 | 26.0 | 26.1 | 24.9 | 25.6 | 25.4 |
| | | 1 | 22 | 26.0 | 26.2 | 26.1 | 25.6 | **26.0** | 25.9 | 25.7 | **26.2** | 25.1 | 24.9 | **25.6** | 25.5 |
| | | 1 | 23 | 23.4 | 23.7 | 23.4 | 22.1 | 22.4 | 22.4 | 22.3 | 22.4 | 22.7 | 21.4 | 22.1 | 22.0 |
| | | 12 | 6 | 25.9 | **26.2** | 26.1 | 25.7 | 25.9 | 25.8 | 25.8 | 26.0 | 26.2 | 24.9 | 25.4 | 25.5 |
| | | 24 | 0 | 25.9 | 26.1 | 26.1 | 23.7 | 23.8 | 23.8 | 24.8 | 25.0 | 25.2 | 24.0 | 24.5 | 24.6 |
| | 16QAM | 1 | 0 | 22.2 | 22.6 | 22.7 | 22.2 | 22.2 | 22.5 | 22.3 | 22.7 | 22.8 | 21.7 | 21.9 | 22.0 |
| | | 1 | 1 | 24.8 | **25.2** | 25.1 | 24.8 | 24.7 | 24.8 | 25.0 | 25.1 | 25.2 | 24.2 | 24.7 | 24.7 |
| | | 1 | 22 | 25.1 | 25.1 | 24.9 | 24.6 | 24.6 | **25.1** | 24.9 | 25.2 | **25.4** | 23.8 | 24.7 | **24.7** |
| | | 1 | 23 | 22.3 | 22.8 | 22.4 | 22.4 | 22.1 | 22.4 | 22.5 | 22.7 | 22.8 | 21.6 | 22.1 | 22.0 |
| | | 12 | 6 | 24.8 | 25.1 | 25.0 | 24.8 | 24.8 | 24.8 | 24.7 | 25.1 | 25.1 | 23.9 | 24.4 | 24.6 |
| | | 24 | 0 | 24.9 | 25.2 | 25.0 | 22.7 | 22.8 | 22.8 | 23.7 | 24.0 | 24.2 | 22.9 | 23.5 | 23.5 |
| | 64QAM | 1 | 0 | 22.5 | 22.6 | 22.5 | 22.2 | 22.0 | 22.3 | 22.2 | 22.5 | 22.5 | 21.2 | 22.2 | 21.6 |
| | | 1 | 1 | 25.0 | **25.1** | 25.0 | 23.1 | 23.4 | **23.6** | 23.2 | 23.6 | 23.3 | 22.4 | 23.0 | 22.6 |
| | | 1 | 22 | 24.9 | 25.0 | 25.0 | 23.2 | 23.1 | 23.4 | 23.2 | 23.6 | 23.5 | 22.6 | 22.8 | 23.1 |
| | | 1 | 23 | 22.6 | 22.8 | 22.5 | 22.1 | 22.5 | 22.7 | 22.2 | 22.5 | 22.5 | 21.4 | 21.8 | 21.6 |
| | | 12 | 6 | 24.9 | 25.0 | 25.1 | 23.2 | 23.3 | 23.3 | 23.2 | 23.6 | **23.7** | 22.4 | 23.0 | 23.1 |
| | | 24 | 0 | 24.9 | 25.1 | 25.0 | 22.2 | 22.3 | 22.3 | 23.2 | 23.5 | 23.7 | 22.4 | 23.0 | **23.1** |
| | 256QAM | 1 | 0 | 22.1 | 22.4 | **22.7** | 21.3 | 21.3 | 21.0 | 21.3 | 21.6 | 21.8 | 20.4 | 20.8 | 21.1 |
| | | 1 | 1 | 22.4 | 22.3 | 22.3 | 21.1 | 21.5 | 21.2 | 21.3 | 21.6 | **22.0** | 20.3 | 20.9 | 21.1 |
| | | 1 | 22 | 22.3 | 22.4 | 22.4 | 21.6 | **21.8** | 20.9 | 21.3 | 21.7 | 22.0 | 20.9 | 21.0 | **21.3** |
| | | 1 | 23 | 22.3 | 22.5 | 22.6 | 21.3 | 21.6 | 20.9 | 21.4 | 21.7 | 21.8 | 20.5 | 21.0 | 21.3 |
| | | 12 | 6 | 22.3 | 22.6 | 22.5 | 21.1 | 21.3 | 21.3 | 21.2 | 21.5 | 21.6 | 20.4 | 21.0 | 21.1 |
| | | 24 | 0 | 22.4 | 22.7 | 22.5 | 21.1 | 21.3 | 21.3 | 21.2 | 21.5 | 21.7 | 20.5 | 20.9 | 21.0 |

## OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647166 | 656000 | 664833 | 647166 | 656000 | 664833 | 647166 | 656000 | 664833 | 647166 | 656000 | 664833 |
| | | | | 3707.5 | 3840.0 | 3972.5 | 3707.5 | 3840.0 | 3972.5 | 3707.5 | 3840.0 | 3972.5 | 3707.5 | 3840.0 | 3972.5 |
| 15.0 | BPSK | 1 | 0 | 23.7 | 24.1 | 24.0 | 22.3 | 22.3 | 22.1 | 22.4 | 22.4 | 22.5 | 21.5 | 21.8 | 21.8 |
| | | 1 | 1 | 25.9 | 26.1 | 26.2 | 25.9 | 25.8 | 25.6 | 25.9 | 26.0 | 26.0 | 25.1 | 25.4 | 25.4 |
| | | 1 | 36 | 26.1 | **26.3** | 26.0 | 25.8 | **25.9** | 25.8 | 25.8 | 26.1 | **26.2** | 25.0 | 25.4 | 25.5 |
| | | 1 | 37 | 24.0 | 24.2 | 24.0 | 22.2 | 22.4 | 22.3 | 22.3 | 22.6 | 22.7 | 21.4 | 22.0 | 22.1 |
| | | 18 | 9 | 26.0 | 26.2 | 26.0 | 25.7 | 25.8 | 25.7 | 25.8 | 26.0 | 26.2 | 25.0 | 25.4 | **25.5** |
| | | 36 | 0 | 25.9 | 26.2 | 26.1 | 24.2 | 24.3 | 24.2 | 25.3 | 25.5 | 25.7 | 24.4 | 24.9 | 25.0 |
| | QPSK | 1 | 0 | 23.4 | 23.6 | 23.6 | 22.3 | 22.1 | 22.0 | 22.4 | 22.3 | 22.3 | 21.3 | 21.7 | 21.8 |
| | | 1 | 1 | 25.9 | 26.1 | 26.1 | 25.7 | 25.6 | 25.7 | 25.9 | 25.8 | 25.8 | 25.1 | 25.2 | 25.5 |
| | | 1 | 36 | 26.0 | 26.2 | 26.0 | 25.8 | 25.8 | 25.8 | 25.9 | 26.2 | **26.2** | 25.2 | 25.3 | **25.6** |
| | | 1 | 37 | 23.5 | 23.7 | 23.4 | 22.2 | 22.2 | 22.3 | 22.5 | 22.5 | 22.8 | 21.5 | 21.8 | 22.0 |
| | | 18 | 9 | 25.8 | 26.2 | 26.1 | 25.7 | **25.8** | 25.8 | 25.8 | 26.0 | 26.1 | 24.9 | 25.4 | 25.5 |
| | | 36 | 0 | 25.9 | **26.3** | 26.1 | 23.7 | 23.8 | 23.7 | 24.8 | 25.0 | 25.2 | 24.0 | 24.5 | 24.5 |
| | 16QAM | 1 | 0 | 22.2 | 22.8 | 22.5 | 22.1 | 22.2 | 22.1 | 22.2 | 22.4 | 22.7 | 21.4 | 21.9 | 22.0 |
| | | 1 | 1 | 24.8 | 25.1 | 25.1 | 24.5 | 24.6 | 24.4 | 24.7 | 24.9 | 25.0 | 23.9 | 24.4 | 24.5 |
| | | 1 | 36 | 25.0 | **25.2** | 24.9 | 24.6 | 24.8 | 24.7 | 24.7 | 25.0 | **25.2** | 23.9 | 24.5 | 24.5 |
| | | 1 | 37 | 22.3 | 22.7 | 22.6 | 22.0 | 22.3 | 22.2 | 22.2 | 22.6 | 22.5 | 21.4 | 21.9 | 21.9 |
| | | 18 | 9 | 24.9 | **25.2** | 25.0 | 24.7 | **24.9** | 24.7 | 24.8 | 25.0 | 25.1 | 23.9 | 24.4 | **24.6** |
| | | 36 | 0 | 24.9 | 25.1 | 25.0 | 22.8 | 22.8 | 22.8 | 23.8 | 24.1 | 24.2 | 23.0 | 23.4 | 23.5 |
| | 64QAM | 1 | 0 | 22.4 | 22.7 | 22.6 | 22.3 | 22.4 | 22.1 | 22.4 | 22.3 | 22.5 | 21.6 | 21.8 | 21.8 |
| | | 1 | 1 | 25.0 | 25.0 | **25.1** | 23.3 | 23.4 | 23.0 | 23.4 | 23.3 | 23.4 | 22.6 | 22.7 | 22.8 |
| | | 1 | 36 | 25.0 | 25.1 | 24.8 | 23.4 | **23.5** | 23.2 | 23.4 | 23.5 | 23.5 | 22.5 | 22.8 | 22.9 |
| | | 1 | 37 | 22.7 | 22.5 | 22.7 | 22.3 | 22.5 | 22.2 | 21.9 | 22.4 | 22.5 | 21.7 | 21.9 | 22.1 |
| | | 18 | 9 | 24.9 | 25.1 | 25.0 | 23.2 | 23.4 | 23.2 | 23.3 | 23.0 | **23.6** | 22.3 | 22.9 | **23.0** |
| | | 36 | 0 | 24.9 | **25.1** | 25.0 | 22.2 | 22.3 | 22.2 | 23.3 | 23.5 | **23.6** | 22.4 | 22.9 | 23.0 |
| | 256QAM | 1 | 0 | 22.5 | 22.4 | 22.7 | 20.9 | 21.2 | 21.0 | 21.4 | 21.4 | 21.5 | 20.7 | 21.0 | 21.0 |
| | | 1 | 1 | 22.6 | **22.9** | 22.8 | 20.9 | 21.2 | 21.0 | 21.4 | 21.3 | 21.9 | 20.6 | 21.0 | 21.0 |
| | | 1 | 36 | 22.6 | 22.7 | 22.6 | 20.8 | 21.3 | 21.1 | 21.4 | 21.5 | 22.0 | 20.6 | 21.1 | 21.0 |
| | | 1 | 37 | 22.7 | 22.6 | 22.7 | 20.8 | 21.3 | 21.2 | 21.3 | 21.5 | **22.0** | 20.6 | **21.1** | 21.1 |
| | | 18 | 9 | 22.3 | 22.6 | 22.4 | 21.2 | **21.3** | 21.3 | 21.2 | 21.5 | 21.7 | 20.5 | 20.9 | 21.1 |
| | | 36 | 0 | 22.4 | 22.6 | 22.5 | 21.1 | **21.3** | 21.3 | 21.2 | 21.5 | 21.7 | 20.3 | 20.9 | 21.0 |



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## OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647333 | 656000 | 664666 | 647333 | 656000 | 664666 | 647333 | 656000 | 664666 | 647333 | 656000 | 664666 |
| | | | | 3710.0 | 3840.0 | 3970.0 | 3710.0 | 3840.0 | 3970.0 | 3710.0 | 3840.0 | 3970.0 | 3710.0 | 3840.0 | 3970.0 |
| 20.0 | BPSK | 1 | 0 | 23.8 | 24.1 | 24.1 | 22.2 | 22.3 | 22.2 | 22.3 | 22.4 | 22.6 | 21.4 | 21.8 | 21.9 |
| | | 1 | 1 | 25.8 | 26.0 | 26.0 | 25.7 | **25.9** | 25.7 | 25.8 | 25.9 | **26.2** | 24.9 | 25.3 | **25.6** |
| | | 1 | 49 | 26.0 | 26.1 | 26.0 | 25.6 | **25.9** | 25.8 | 25.7 | 26.1 | **26.2** | 25.0 | 25.4 | 25.6 |
| | | 1 | 50 | 24.1 | 24.3 | 24.0 | 22.1 | 22.3 | 22.3 | 22.2 | 22.6 | 22.7 | 21.3 | 21.9 | 22.0 |
| | | 25 | 12 | 26.0 | 26.1 | 26.1 | 25.7 | 25.8 | 25.7 | 25.8 | 26.0 | 26.1 | 25.0 | 25.4 | 25.5 |
| | | 50 | 0 | 25.9 | **26.2** | 26.1 | 24.2 | 24.3 | 24.2 | 25.3 | 25.5 | 25.6 | 24.4 | 24.9 | 25.0 |
| | QPSK | 1 | 0 | 23.2 | 23.6 | 23.6 | 22.2 | 22.2 | 22.2 | 22.3 | 22.4 | 22.4 | 21.4 | 21.7 | 22.0 |
| | | 1 | 1 | 25.8 | 26.0 | 26.0 | 25.7 | 25.7 | 25.6 | 25.8 | 25.9 | 26.0 | 24.9 | 25.3 | 25.5 |
| | | 1 | 49 | 26.0 | 26.1 | 26.0 | 25.7 | 25.9 | **25.9** | 25.8 | 26.0 | 26.1 | 24.9 | 25.4 | **25.5** |
| | | 1 | 50 | 23.6 | 23.7 | 23.5 | 22.1 | 22.4 | 22.4 | 22.2 | 22.5 | 22.6 | 21.5 | 22.0 | 22.1 |
| | | 25 | 12 | 26.1 | 26.2 | 26.0 | 25.7 | 25.9 | 25.7 | 25.8 | 26.0 | **26.1** | 24.9 | 25.4 | 25.5 |
| | | 50 | 0 | 26.0 | **26.2** | 26.0 | 23.7 | 23.8 | 23.7 | 24.8 | 25.0 | 25.1 | 24.0 | 24.4 | 24.5 |
| | 16QAM | 1 | 0 | 22.3 | 22.6 | 22.4 | 22.1 | 22.4 | 21.9 | 22.2 | 22.3 | 22.7 | 21.3 | 21.8 | 22.2 |
| | | 1 | 1 | 25.0 | 25.0 | 25.1 | 24.6 | 24.7 | 24.5 | 24.6 | 24.8 | 25.1 | 23.8 | 24.0 | 24.7 |
| | | 1 | 49 | 24.9 | **25.1** | 25.1 | 24.7 | **25.0** | 24.7 | 24.6 | 25.0 | **25.3** | 23.9 | 24.6 | **24.7** |
| | | 1 | 50 | 22.6 | 22.7 | 22.6 | 22.1 | 22.5 | 22.3 | 22.2 | 22.6 | 22.8 | 21.4 | 22.0 | 22.2 |
| | | 25 | 12 | 24.9 | 25.1 | 25.0 | 24.7 | 24.9 | 24.7 | 24.8 | 25.0 | 25.1 | 23.9 | 24.3 | 24.5 |
| | | 50 | 0 | 25.0 | **25.1** | 25.0 | 22.7 | 22.8 | 22.7 | 23.8 | 24.0 | 24.1 | 22.9 | 23.4 | 23.5 |
| | 64QAM | 1 | 0 | 22.2 | 22.5 | 22.8 | 22.3 | 22.5 | 22.1 | 22.2 | 22.3 | 22.4 | 21.4 | 21.5 | 22.1 |
| | | 1 | 1 | 24.6 | 25.0 | 25.0 | 23.3 | 23.4 | 23.1 | 23.3 | 23.4 | 23.3 | 22.3 | 22.8 | 23.0 |
| | | 1 | 49 | 25.1 | **25.1** | 25.0 | **23.4** | 23.4 | 23.3 | 23.3 | 23.6 | 23.4 | 22.3 | 22.9 | 22.9 |
| | | 1 | 50 | 22.4 | 23.0 | 22.8 | 22.2 | 22.4 | 22.4 | 22.2 | 22.6 | 22.5 | 21.4 | 21.9 | 22.0 |
| | | 25 | 12 | 25.1 | 25.1 | 25.0 | 23.1 | 23.4 | 23.2 | 23.2 | 23.5 | **23.7** | 22.4 | 22.9 | **23.1** |
| | | 50 | 0 | 25.0 | **25.1** | 25.0 | 22.2 | 22.3 | 22.2 | 23.3 | 23.5 | 23.5 | 22.4 | 22.9 | 23.0 |
| | 256QAM | 1 | 0 | 22.3 | 22.9 | 22.7 | 21.2 | 21.3 | 21.2 | 21.3 | 21.3 | 21.9 | 20.2 | 20.6 | **21.3** |
| | | 1 | 1 | 22.2 | 22.9 | 22.5 | 21.2 | 21.3 | 21.2 | 21.3 | 21.2 | 21.7 | 20.3 | 20.7 | 21.3 |
| | | 1 | 49 | 22.4 | **23.2** | 22.6 | 21.2 | 21.4 | 21.4 | 21.3 | 21.4 | 21.9 | 20.3 | 20.9 | 21.1 |
| | | 1 | 50 | 22.4 | 23.1 | 22.4 | 21.2 | 21.4 | **21.4** | 21.3 | 21.4 | **21.9** | 20.4 | 20.9 | 21.1 |
| | | 25 | 12 | 22.5 | 22.6 | 22.5 | 21.1 | 21.3 | 21.2 | 21.2 | 21.5 | 21.6 | 20.4 | 20.9 | 21.0 |
| | | 50 | 0 | 22.5 | 22.6 | 22.5 | 21.2 | 21.3 | 21.2 | 21.2 | 21.5 | 21.5 | 20.4 | 20.9 | 20.9 |

## OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647500 | 656000 | 664500 | 647500 | 656000 | 664500 | 647500 | 656000 | 664500 | 647500 | 656000 | 664500 |
| | | | | 3712.5 | 3840.0 | 3967.5 | 3712.5 | 3840.0 | 3967.5 | 3712.5 | 3840.0 | 3967.5 | 3712.5 | 3840.0 | 3967.5 |
| 25.0 | BPSK | 1 | 0 | 23.7 | 24.0 | 24.0 | 22.1 | 22.2 | 22.1 | 22.2 | 22.3 | 22.5 | 21.3 | 21.7 | 21.8 |
| | | 1 | 1 | 25.7 | 25.9 | 25.9 | 25.6 | 25.7 | 25.6 | 25.7 | 25.8 | 26.0 | 24.8 | 25.2 | 25.3 |
| | | 1 | 63 | 25.9 | **26.1** | 25.9 | 25.5 | **25.8** | 25.7 | 25.6 | **26.1** | 26.0 | 24.9 | 25.3 | **25.5** |
| | | 1 | 64 | 24.0 | 24.2 | 23.9 | 22.0 | 22.2 | 22.2 | 22.1 | 22.5 | 22.6 | 21.2 | 21.8 | 21.9 |
| | | 32 | 16 | 25.9 | 26.0 | 26.0 | 25.6 | 25.7 | 25.6 | 25.7 | 25.9 | 26.0 | 24.9 | 25.3 | 25.4 |
| | | 64 | 0 | 25.8 | 26.0 | 26.0 | 24.1 | 24.2 | 24.1 | 25.2 | 25.4 | 25.5 | 24.3 | 24.8 | 24.9 |
| | QPSK | 1 | 0 | 23.1 | 23.5 | 23.5 | 22.1 | 22.1 | 22.1 | 22.2 | 22.3 | 22.3 | 21.3 | 21.6 | 21.9 |
| | | 1 | 1 | 25.7 | 25.9 | 25.9 | 25.6 | 25.6 | 25.5 | 25.7 | 25.8 | 25.9 | 24.8 | 25.2 | 25.4 |
| | | 1 | 49 | 25.9 | 26.0 | 25.9 | 25.6 | 25.7 | 25.7 | 25.7 | 25.9 | 26.0 | 24.8 | 25.3 | **25.4** |
| | | 1 | 50 | 23.5 | 23.6 | 23.4 | 22.0 | 22.3 | 22.3 | 22.1 | 22.4 | 22.5 | 21.4 | 21.9 | 22.0 |
| | | 25 | 12 | 26.0 | **26.1** | 25.9 | 25.6 | **25.8** | 25.6 | 25.7 | **26.0** | 25.7 | 24.8 | 25.3 | 25.4 |
| | | 50 | 0 | 25.9 | 26.0 | 25.9 | 23.6 | 23.7 | 23.6 | 24.7 | 24.9 | 25.0 | 23.9 | 24.3 | 24.4 |
| | 16QAM | 1 | 0 | 22.2 | 22.5 | 22.3 | 22.0 | 22.3 | 21.8 | 22.1 | 22.2 | 22.6 | 21.2 | 21.7 | 22.1 |
| | | 1 | 1 | 24.9 | 24.9 | 25.0 | 24.5 | 24.6 | 24.4 | 24.5 | 24.7 | 25.0 | 23.7 | 23.9 | **24.6** |
| | | 1 | 49 | 24.8 | 24.9 | 25.0 | 24.6 | 24.7 | 24.6 | 24.5 | 24.9 | 24.9 | 23.8 | 24.5 | 24.5 |
| | | 1 | 50 | 22.5 | 22.6 | 22.5 | 22.0 | 22.4 | 22.2 | 22.1 | 22.5 | 22.7 | 21.3 | 21.9 | 22.1 |
| | | 25 | 12 | 24.8 | 25.0 | 24.9 | 24.6 | **24.8** | 24.6 | 24.7 | 24.9 | **25.0** | 23.8 | 24.2 | 24.4 |
| | | 50 | 0 | 24.9 | **25.0** | 24.9 | 22.6 | 22.7 | 22.6 | 23.7 | 23.9 | 24.0 | 22.8 | 23.3 | 23.4 |
| | 64QAM | 1 | 0 | 22.1 | 22.4 | 22.7 | 22.2 | 22.4 | 22.0 | 22.1 | 22.2 | 22.3 | 21.3 | 21.4 | 22.0 |
| | | 1 | 1 | 24.5 | 24.9 | 24.9 | 23.2 | **23.3** | 23.0 | 23.2 | 23.3 | 23.2 | 22.2 | 22.7 | 22.9 |
| | | 1 | 49 | 25.0 | 24.9 | 24.9 | 23.2 | 23.3 | 23.2 | 23.2 | 23.5 | 23.3 | 22.2 | 22.8 | 22.8 |
| | | 1 | 50 | 22.3 | 22.9 | 22.7 | 22.1 | 22.3 | 22.3 | 22.1 | 22.5 | 22.4 | 21.3 | 21.8 | 21.9 |
| | | 25 | 12 | **25.0** | 25.0 | 24.9 | 23.0 | 23.3 | 23.1 | 23.1 | 23.4 | **23.6** | 22.3 | 22.8 | **23.0** |
| | | 50 | 0 | 24.9 | 24.8 | 24.9 | 22.1 | 22.2 | 22.1 | 23.2 | 23.4 | 23.4 | 22.3 | 22.8 | 22.9 |
| | 256QAM | 1 | 0 | 22.2 | 22.8 | 22.6 | 21.1 | 21.2 | 21.1 | 21.2 | 21.2 | 21.8 | 20.1 | 20.5 | **21.2** |
| | | 1 | 1 | 22.1 | 22.8 | 22.4 | 21.1 | 21.2 | 21.1 | 21.2 | 21.1 | 21.6 | 20.2 | 20.6 | 21.2 |
| | | 1 | 49 | 22.3 | 22.9 | 22.5 | 21.1 | 21.3 | 21.3 | 21.2 | 21.3 | 21.8 | 20.2 | 20.8 | 21.0 |
| | | 1 | 50 | 22.3 | **23.0** | 22.3 | 21.1 | 21.3 | **21.3** | 21.2 | 21.3 | **21.8** | 20.3 | 20.8 | 21.0 |
| | | 25 | 12 | 22.4 | 22.5 | 22.4 | 21.0 | 21.2 | 21.1 | 21.1 | 21.4 | 21.5 | 20.3 | 20.8 | 20.9 |
| | | 50 | 0 | 22.4 | 22.5 | 22.4 | 21.1 | 21.2 | 21.1 | 21.1 | 21.4 | 21.4 | 20.3 | 20.8 | 20.8 |



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## OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 647666 | 656000 | 664333 | 647666 | 656000 | 664333 | 647666 | 656000 | 664333 | 647666 | 656000 | 664333 |
| | | | | 3715.0 | 3840.0 | 3965.0 | 3715.0 | 3840.0 | 3965.0 | 3715.0 | 3840.0 | 3965.0 | 3715.0 | 3840.0 | 3965.0 |
| 30.0 | BPSK | 1 | 0 | 23.8 | 24.1 | 24.0 | 22.2 | 22.3 | 22.0 | 22.2 | 22.4 | 22.4 | 21.4 | 21.8 | 22.0 |
| | | 1 | 1 | 25.8 | 26.0 | **26.3** | 25.7 | 25.8 | 25.6 | 25.8 | 25.9 | 26.0 | 25.0 | 25.3 | 25.5 |
| | | 1 | 76 | 26.1 | 26.2 | 25.9 | 25.8 | **25.9** | 25.8 | 25.7 | 26.2 | **26.2** | 24.9 | 25.4 | 25.6 |
| | | 1 | 77 | 24.1 | 24.1 | 23.9 | 22.3 | 22.5 | 22.3 | 22.2 | 22.6 | 22.7 | 21.5 | 22.1 | 22.1 |
| | | 36 | 18 | 26.1 | 26.1 | 26.0 | 25.7 | 25.9 | 25.6 | 25.8 | 26.0 | 26.0 | 25.0 | 25.5 | **25.6** |
| | | 75 | 0 | 26.1 | 26.2 | 26.0 | 24.3 | 24.4 | 24.1 | 25.3 | 25.5 | 25.6 | 24.5 | 24.9 | 25.1 |
| | QPSK | 1 | 0 | 23.3 | 23.5 | 23.7 | 22.2 | 22.3 | 22.0 | 22.2 | 22.4 | 22.5 | 21.4 | 21.8 | 22.1 |
| | | 1 | 1 | 25.7 | 26.0 | 26.1 | 25.7 | 25.8 | 25.5 | 25.8 | 25.9 | 26.0 | 25.0 | 25.2 | 25.5 |
| | | 1 | 76 | 26.1 | 26.2 | 26.1 | 25.8 | **25.9** | 25.8 | 25.8 | 26.1 | **26.3** | 25.0 | 25.3 | 25.5 |
| | | 1 | 77 | 23.6 | 23.7 | 23.5 | 22.3 | 22.3 | 22.3 | 22.1 | 22.6 | 22.7 | 21.3 | 21.9 | 22.1 |
| | | 36 | 18 | 26.1 | **26.2** | 26.0 | 25.7 | 25.9 | 25.7 | 25.9 | 26.0 | 26.1 | 25.0 | 25.5 | **25.6** |
| | | 75 | 0 | 25.9 | **26.2** | 26.0 | 23.7 | 23.9 | 23.7 | 24.8 | 25.0 | 25.1 | 24.0 | 24.5 | 24.6 |
| | 16QAM | 1 | 0 | 22.1 | 22.8 | 22.9 | 22.4 | 22.3 | 22.1 | 21.9 | 22.3 | 22.3 | 21.3 | 21.6 | 22.2 |
| | | 1 | 1 | 24.8 | 25.0 | 25.0 | 24.8 | **24.9** | 24.7 | 24.7 | 24.8 | 25.0 | 24.1 | 24.2 | 24.5 |
| | | 1 | 76 | 24.9 | 25.2 | 25.2 | 24.8 | 24.7 | 24.8 | 24.7 | 25.1 | **25.3** | 23.9 | 24.5 | 24.5 |
| | | 1 | 77 | 22.5 | 22.7 | 22.4 | 22.4 | 22.6 | 22.3 | 22.2 | 22.5 | 22.7 | 21.3 | 22.0 | 22.0 |
| | | 36 | 18 | 25.0 | 25.1 | 25.0 | 24.7 | 24.8 | 24.6 | 24.8 | 25.0 | 25.0 | 24.0 | 24.4 | **24.6** |
| | | 75 | 0 | 24.9 | **25.2** | 25.0 | 22.7 | 22.8 | 22.6 | 23.7 | 24.0 | 24.1 | 23.0 | 23.5 | 23.6 |
| | 64QAM | 1 | 0 | 22.4 | 22.6 | 22.4 | 22.2 | 22.2 | 22.0 | 22.4 | 22.3 | 22.5 | 21.5 | 21.7 | 21.8 |
| | | 1 | 1 | 24.8 | 25.1 | 25.2 | 23.4 | 23.3 | 22.7 | 23.0 | 23.3 | 23.5 | 22.5 | 22.7 | 22.8 |
| | | 1 | 76 | 25.0 | **25.2** | 24.8 | 23.4 | 23.3 | **23.5** | 23.3 | 23.6 | **23.7** | 22.4 | 22.9 | **23.3** |
| | | 1 | 77 | 22.7 | 22.5 | 22.4 | 22.4 | 22.6 | 22.4 | 22.1 | 22.5 | 22.7 | 21.4 | 21.9 | 22.1 |
| | | 36 | 18 | 25.0 | 25.1 | 25.0 | 23.2 | 23.3 | 23.1 | 23.2 | 23.5 | 23.5 | 22.5 | 23.0 | 23.1 |
| | | 75 | 0 | 25.0 | 25.1 | 25.0 | 22.3 | 22.3 | 22.2 | 23.3 | 23.5 | 23.6 | 22.5 | 23.0 | 23.1 |
| | 256QAM | 1 | 0 | 22.2 | 22.7 | 22.5 | 21.1 | 21.3 | 20.9 | 21.1 | 21.7 | 21.5 | 20.3 | 20.7 | 20.9 |
| | | 1 | 1 | 22.4 | 22.6 | 22.7 | 21.2 | 21.3 | 21.1 | 21.3 | 21.8 | 21.5 | 20.5 | 20.7 | 20.9 |
| | | 1 | 76 | 22.5 | 22.2 | 22.2 | 21.3 | 21.5 | 21.4 | 21.2 | **21.9** | 21.7 | 20.5 | 21.1 | 21.0 |
| | | 1 | 77 | 22.5 | **22.8** | 22.4 | 21.3 | **21.5** | 21.2 | 21.2 | 21.9 | 21.5 | 20.3 | **21.1** | 21.0 |
| | | 36 | 18 | 22.4 | 22.7 | 22.5 | 21.2 | 21.4 | 21.1 | 21.2 | 21.5 | 21.5 | 20.4 | 20.9 | 21.1 |
| | | 75 | 0 | 22.5 | 22.6 | 22.6 | 21.2 | 21.3 | 21.2 | 21.3 | 21.5 | 21.5 | 20.5 | 21.0 | 21.1 |

## OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 648000 | 656000 | 664000 | 648000 | 656000 | 664000 | 648000 | 656000 | 664000 | 648000 | 656000 | 664000 |
| | | | | 3720.0 | 3840.0 | 3960.0 | 3720.0 | 3840.0 | 3960.0 | 3720.0 | 3840.0 | 3960.0 | 3720.0 | 3840.0 | 3960.0 |
| 40.0 | BPSK | 1 | 0 | 23.7 | 24.0 | 24.2 | 22.2 | 22.1 | 21.8 | 22.2 | 22.2 | 22.2 | 21.4 | 21.7 | 22.0 |
| | | 1 | 1 | 25.7 | 26.0 | **26.3** | 25.7 | 25.6 | 25.3 | 25.6 | 25.7 | 25.2 | 24.9 | 25.1 | 25.3 |
| | | 1 | 104 | 26.2 | 26.1 | 25.8 | **26.1** | 25.8 | 25.8 | 25.6 | 26.1 | **26.3** | 24.9 | 25.3 | 25.6 |
| | | 1 | 105 | 24.2 | 24.1 | 23.9 | 22.6 | 22.3 | 22.3 | 22.4 | 22.6 | 22.8 | 21.6 | 22.0 | 22.1 |
| | | 50 | 25 | 26.0 | 26.2 | 26.1 | 25.8 | 25.9 | 25.6 | 25.7 | 26.0 | 26.0 | 25.0 | 25.4 | **25.6** |
| | | 100 | 0 | 26.0 | 26.1 | 26.1 | 24.3 | 24.3 | 24.1 | 25.3 | 25.5 | 25.5 | 24.5 | 24.9 | 25.1 |
| | QPSK | 1 | 0 | 23.3 | 23.4 | 23.8 | 22.1 | 22.3 | 21.9 | 22.2 | 22.4 | 22.3 | 21.5 | 21.8 | 21.9 |
| | | 1 | 1 | 25.8 | 25.9 | **26.3** | 25.7 | 25.9 | 25.4 | 25.8 | 25.8 | 25.8 | 24.9 | 25.3 | 25.4 |
| | | 1 | 104 | 26.2 | 26.0 | 26.0 | **25.9** | 25.7 | 25.8 | 25.7 | **26.1** | 26.1 | 25.0 | 25.5 | **25.6** |
| | | 1 | 105 | 23.7 | 23.7 | 23.4 | 22.4 | 22.3 | 22.2 | 22.1 | 22.5 | 22.7 | 21.5 | 21.9 | 22.1 |
| | | 50 | 25 | 26.0 | 26.2 | 26.0 | 25.7 | 25.8 | 25.6 | 25.8 | 26.0 | 26.0 | 25.0 | 25.5 | 25.6 |
| | | 100 | 0 | 26.1 | 26.2 | 26.1 | 23.8 | 23.8 | 23.6 | 24.8 | 25.0 | 25.0 | 24.0 | 24.4 | 24.6 |
| | 16QAM | 1 | 0 | 22.5 | 22.4 | 22.6 | 22.3 | 22.2 | 22.1 | 22.4 | 22.3 | 22.2 | 21.4 | 21.6 | 21.8 |
| | | 1 | 1 | 25.1 | 24.7 | 25.1 | 24.8 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.0 | 24.1 | 24.3 |
| | | 1 | 104 | 25.2 | 24.8 | 24.5 | **25.0** | 24.7 | 24.9 | 24.7 | 24.9 | 25.1 | 24.0 | 24.4 | 24.4 |
| | | 1 | 105 | 22.8 | 22.6 | 22.3 | 22.5 | 22.2 | 22.3 | 22.2 | 22.6 | 22.7 | 21.4 | 21.8 | 22.0 |
| | | 50 | 25 | 25.0 | 25.2 | 24.9 | 24.8 | 24.8 | 24.6 | 24.7 | 25.0 | **25.1** | 24.0 | 24.5 | **24.7** |
| | | 100 | 0 | 25.0 | **25.2** | 25.0 | 22.7 | 22.8 | 22.6 | 23.7 | 23.9 | 24.0 | 23.0 | 23.4 | 23.6 |
| | 64QAM | 1 | 0 | 22.4 | 22.2 | 22.5 | 22.1 | 22.5 | 21.8 | 22.2 | 22.4 | 22.3 | 21.6 | 21.8 | 22.0 |
| | | 1 | 1 | 24.6 | 25.0 | 25.1 | 23.1 | 23.4 | 22.8 | 23.1 | 23.4 | 23.3 | 22.5 | 23.0 | 23.0 |
| | | 1 | 104 | **25.1** | 24.9 | 25.1 | 23.2 | **23.6** | 23.1 | 23.1 | 23.7 | **23.7** | 22.6 | **23.2** | 23.1 |
| | | 1 | 105 | 22.6 | 22.8 | 22.3 | 22.2 | 22.6 | 22.2 | 22.1 | 22.6 | 22.5 | 21.5 | 22.2 | 22.2 |
| | | 50 | 25 | 25.0 | 25.0 | 25.0 | 23.2 | 23.3 | 23.1 | 23.2 | 23.5 | 23.6 | 22.5 | 23.0 | 23.1 |
| | | 100 | 0 | 25.0 | 25.1 | 25.1 | 22.3 | 22.3 | 22.1 | 23.2 | 23.4 | 23.6 | 22.5 | 23.0 | 23.0 |
| | 256QAM | 1 | 0 | 22.5 | 22.6 | 22.8 | 21.0 | 21.2 | 20.9 | 21.1 | 21.3 | 21.4 | 20.3 | 20.8 | 20.9 |
| | | 1 | 1 | 22.6 | 22.6 | 22.8 | 21.0 | 21.2 | 20.9 | 21.1 | 21.3 | 21.4 | 20.5 | 20.7 | 20.8 |
| | | 1 | 104 | 22.8 | 22.8 | 22.7 | 21.2 | 21.2 | 21.3 | 21.1 | 21.6 | 21.6 | 20.6 | 21.1 | 21.0 |
| | | 1 | 105 | 22.4 | **22.8** | 22.7 | 21.2 | 21.2 | 21.3 | 21.2 | 21.6 | 21.6 | 20.6 | 20.9 | 21.1 |
| | | 50 | 25 | 22.5 | 22.7 | 22.5 | 21.2 | 21.3 | 21.1 | 21.2 | 21.5 | **21.6** | 20.5 | 21.0 | **21.1** |
| | | 100 | 0 | 22.4 | 22.6 | 22.5 | 21.2 | **21.3** | 21.1 | 21.2 | 21.5 | 21.5 | 20.5 | 20.9 | 21.1 |



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## OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 648333 | 656000 | 663666 | 648333 | 656000 | 663666 | 648333 | 656000 | 663666 | 648333 | 656000 | 663666 |
| | | | | 3725.0 | 3840.0 | 3955.0 | 3725.0 | 3840.0 | 3955.0 | 3725.0 | 3840.0 | 3955.0 | 3725.0 | 3840.0 | 3955.0 |
| 50.0 | BPSK | 1 | 0 | 23.6 | 23.8 | 24.1 | 22.2 | 22.3 | 22.0 | 22.3 | 22.2 | 22.3 | 21.5 | 21.7 | 21.8 |
| | | 1 | 1 | 25.5 | 25.8 | **26.1** | 25.7 | 25.7 | 25.6 | 25.8 | 25.7 | 25.9 | 25.0 | 25.2 | 25.4 |
| | | 1 | 131 | 25.9 | 25.9 | 25.9 | **26.0** | 25.8 | 25.8 | 25.7 | 26.0 | **26.3** | 25.0 | 25.4 | **25.7** |
| | | 1 | 132 | 24.0 | 23.8 | 23.7 | 22.4 | 22.2 | 22.3 | 22.1 | 22.5 | 22.7 | 21.5 | 21.9 | 22.2 |
| | | 64 | 32 | 25.8 | 25.8 | 25.9 | 25.8 | 25.8 | 25.6 | 25.7 | 26.0 | 26.0 | 25.1 | 25.5 | 25.5 |
| | | 128 | 0 | 25.8 | 25.9 | 25.8 | 24.3 | 24.3 | 24.1 | 25.2 | 25.4 | 25.5 | 24.5 | 24.9 | 25.1 |
| | QPSK | 1 | 0 | 23.1 | 23.2 | 23.5 | 22.3 | 22.2 | 22.0 | 22.3 | 22.3 | 22.3 | 21.4 | 21.7 | 21.9 |
| | | 1 | 1 | 25.5 | 25.9 | **26.1** | 25.8 | 25.8 | 25.6 | 25.8 | 25.8 | 25.8 | 24.9 | 25.2 | 25.5 |
| | | 1 | 131 | 26.0 | 26.0 | 25.8 | **25.9** | 25.8 | 25.8 | 25.7 | 26.0 | **26.3** | 25.0 | 25.5 | **25.7** |
| | | 1 | 132 | 23.4 | 23.4 | 23.2 | 22.4 | 22.3 | 22.3 | 22.2 | 22.5 | 22.7 | 21.5 | 21.9 | 22.2 |
| | | 64 | 32 | 25.8 | 25.8 | 25.8 | 25.8 | 25.9 | 25.6 | 25.7 | 26.0 | 26.0 | 25.0 | 25.5 | 25.5 |
| | | 128 | 0 | 25.7 | 25.8 | 25.8 | 23.8 | 23.8 | 23.6 | 24.7 | 25.0 | 25.0 | 24.0 | 24.5 | 24.5 |
| | 16QAM | 1 | 0 | 22.1 | 22.3 | 22.5 | 22.3 | 22.3 | 22.1 | 22.2 | 22.4 | 22.3 | 21.4 | 21.9 | 22.1 |
| | | 1 | 1 | 24.5 | 24.7 | 24.7 | 24.8 | 24.9 | 24.6 | 24.8 | 24.9 | 24.8 | 23.7 | 24.5 | 24.6 |
| | | 1 | 131 | **24.9** | 24.7 | 24.8 | **25.1** | 24.8 | 24.9 | 24.7 | 25.0 | **25.2** | 23.9 | 24.7 | **24.9** |
| | | 1 | 132 | 22.4 | 22.1 | 22.1 | 22.5 | 22.4 | 22.5 | 22.1 | 22.5 | 22.6 | 21.3 | 22.2 | 22.2 |
| | | 64 | 32 | 24.7 | 24.9 | 24.8 | 24.8 | 24.9 | 24.6 | 24.7 | 25.0 | 25.1 | 24.1 | 24.5 | 24.6 |
| | | 128 | 0 | 24.7 | 24.9 | 24.8 | 22.8 | 22.8 | 22.6 | 23.7 | 24.0 | 24.0 | 23.0 | 23.5 | 23.6 |
| | 64QAM | 1 | 0 | 22.0 | 22.4 | 22.4 | 22.1 | 22.2 | 22.1 | 22.3 | 22.6 | 22.4 | 21.4 | 21.8 | 22.0 |
| | | 1 | 1 | 24.7 | 24.8 | 24.7 | 23.1 | 23.2 | 23.1 | 23.2 | 23.6 | 23.4 | 22.5 | 22.9 | 22.8 |
| | | 1 | 131 | 24.7 | **24.8** | 24.5 | 23.3 | 23.2 | **23.4** | 23.3 | 23.8 | **23.9** | 22.4 | 23.1 | **23.3** |
| | | 1 | 132 | 22.6 | 22.3 | 22.3 | 22.4 | 22.1 | 22.3 | 22.2 | 22.7 | 22.7 | 21.5 | 22.0 | 22.2 |
| | | 64 | 32 | 24.8 | **24.8** | 24.8 | 23.4 | 23.3 | 23.1 | 23.3 | 23.4 | 23.5 | 22.5 | 23.0 | 23.1 |
| | | 128 | 0 | 24.8 | 24.8 | 24.8 | 22.3 | 22.4 | 22.2 | 23.2 | 23.5 | 23.5 | 22.5 | 23.0 | 23.0 |
| | 256QAM | 1 | 0 | 22.1 | 22.6 | 22.5 | 21.2 | 21.3 | 20.8 | 21.1 | 21.2 | 21.4 | 20.4 | 20.5 | 20.8 |
| | | 1 | 1 | 22.2 | 22.6 | 22.5 | 21.3 | 21.4 | 21.1 | 21.0 | 21.2 | 21.4 | 20.4 | 20.5 | 20.9 |
| | | 1 | 131 | **22.8** | 22.6 | 22.4 | **21.5** | 21.3 | 21.2 | 21.0 | 21.4 | **21.9** | 20.4 | 20.7 | 21.0 |
| | | 1 | 132 | 22.7 | 22.3 | 22.4 | 21.4 | 21.4 | 21.3 | 20.9 | 21.4 | 21.8 | 20.4 | 20.6 | 21.1 |
| | | 64 | 32 | 22.3 | 22.4 | 22.3 | 21.3 | 21.3 | 21.1 | 21.2 | 21.4 | 21.5 | 20.5 | 20.9 | **21.1** |
| | | 128 | 0 | 22.3 | 22.4 | 22.3 | 21.3 | 21.3 | 21.1 | 21.2 | 21.5 | 21.5 | 20.5 | 20.9 | 21.1 |

## OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 648666 | 656000 | 663333 | 648666 | 656000 | 663333 | 648666 | 656000 | 663333 | 648666 | 656000 | 663333 |
| | | | | 3730.0 | 3840.0 | 3950.0 | 3730.0 | 3840.0 | 3950.0 | 3730.0 | 3840.0 | 3950.0 | 3730.0 | 3840.0 | 3950.0 |
| 60.0 | BPSK | 1 | 0 | 23.7 | 23.9 | 24.2 | 22.2 | 22.3 | 22.0 | 22.2 | 22.1 | 22.2 | 21.4 | 21.5 | 21.7 |
| | | 1 | 1 | 25.6 | 25.9 | **26.2** | 25.7 | 25.7 | 25.6 | 25.7 | 25.6 | 25.7 | 24.9 | 25.0 | 25.2 |
| | | 1 | 160 | 26.0 | 26.0 | 26.0 | **26.0** | 25.8 | 25.8 | 25.5 | 25.9 | **26.2** | 24.8 | 25.2 | **25.7** |
| | | 1 | 161 | 24.1 | 23.9 | 23.8 | 22.4 | 22.2 | 22.3 | 22.0 | 22.3 | 22.6 | 21.4 | 21.7 | 22.1 |
| | | 81 | 40 | 25.9 | 25.9 | 26.0 | 25.8 | 25.8 | 25.6 | 25.7 | 26.0 | 25.9 | 24.9 | 25.4 | 25.5 |
| | | 162 | 0 | 25.9 | 26.0 | 25.9 | 24.3 | 24.3 | 24.1 | 25.1 | 25.5 | 25.4 | 24.4 | 24.9 | 25.0 |
| | QPSK | 1 | 0 | 23.2 | 23.3 | 23.6 | 22.3 | 22.2 | 22.0 | 22.2 | 22.2 | 22.2 | 21.4 | 21.6 | 21.7 |
| | | 1 | 1 | 25.6 | 26.0 | **26.2** | 25.8 | 25.8 | 25.6 | 25.7 | 25.7 | 25.7 | 24.9 | 25.0 | 25.2 |
| | | 1 | 160 | 26.1 | 26.1 | 25.9 | **25.9** | 25.8 | 25.8 | 25.5 | 25.9 | **26.2** | 24.8 | 25.3 | **25.5** |
| | | 1 | 161 | 23.5 | 23.5 | 23.3 | 22.4 | 22.3 | 22.3 | 22.0 | 22.3 | 22.7 | 21.4 | 21.8 | 22.0 |
| | | 81 | 40 | 25.9 | 25.9 | 25.9 | 25.8 | 25.9 | 25.6 | 25.6 | 25.9 | 25.9 | 25.0 | 25.4 | 25.5 |
| | | 162 | 0 | 25.8 | 25.9 | 25.9 | 23.8 | 23.8 | 23.6 | 24.6 | 25.0 | 25.0 | 23.9 | 24.4 | 24.4 |
| | 16QAM | 1 | 0 | 22.2 | 22.4 | 22.6 | 22.3 | 22.3 | 22.1 | 22.4 | 22.2 | 22.0 | 21.4 | 21.5 | 21.4 |
| | | 1 | 1 | 24.6 | 24.8 | 24.8 | 24.8 | 24.9 | 24.6 | 25.0 | 24.7 | 24.4 | 23.9 | 23.9 | 24.1 |
| | | 1 | 160 | **25.0** | 24.8 | 24.9 | **25.1** | 24.8 | 24.9 | 24.8 | **25.0** | 24.8 | 23.8 | 24.3 | 24.4 |
| | | 1 | 161 | 22.5 | 22.2 | 22.2 | 22.5 | 22.4 | 22.5 | 22.3 | 22.5 | 22.5 | 21.3 | 21.9 | 22.0 |
| | | 81 | 40 | 24.8 | 25.0 | 24.9 | 24.8 | 24.9 | 24.6 | 24.6 | 24.9 | 25.0 | 23.9 | 24.4 | **24.6** |
| | | 162 | 0 | 24.8 | 25.0 | 24.9 | 22.8 | 22.8 | 22.6 | 23.7 | 24.0 | 23.9 | 22.9 | 23.3 | 23.5 |
| | 64QAM | 1 | 0 | 22.1 | 22.5 | 22.5 | 22.1 | 22.2 | 22.1 | 22.3 | 22.1 | 22.2 | 21.5 | 21.4 | 21.6 |
| | | 1 | 1 | 24.8 | 24.9 | 24.8 | 23.1 | 23.2 | 23.1 | 23.3 | 23.1 | 23.5 | 22.5 | 22.5 | 22.7 |
| | | 1 | 160 | 24.8 | **24.9** | 24.6 | 23.3 | 23.2 | **23.4** | 23.2 | 23.4 | **23.8** | 22.4 | 22.8 | **23.1** |
| | | 1 | 161 | 22.7 | 22.4 | 22.4 | 22.4 | 22.1 | 22.3 | 22.1 | 22.3 | 22.7 | 21.4 | 21.7 | 22.1 |
| | | 81 | 40 | 24.9 | **24.9** | 24.9 | 23.4 | 23.3 | 23.1 | 23.1 | 23.5 | 23.5 | 22.4 | 22.9 | 23.0 |
| | | 162 | 0 | 24.9 | 24.9 | 24.9 | 22.3 | 22.4 | 22.2 | 23.1 | 23.5 | 23.4 | 22.5 | 23.0 | 23.0 |
| | 256QAM | 1 | 0 | 22.2 | 22.7 | 22.6 | 21.2 | 21.3 | 20.8 | 21.1 | 21.1 | 20.9 | 20.4 | 20.6 | 20.9 |
| | | 1 | 1 | 22.3 | 22.7 | 22.6 | 21.3 | 21.4 | 21.1 | 21.2 | 21.1 | 21.1 | 20.4 | 20.7 | 20.8 |
| | | 1 | 160 | **22.9** | 22.7 | 22.5 | **21.5** | 21.3 | 21.2 | 20.8 | 21.3 | **21.6** | 20.3 | 20.8 | **21.2** |
| | | 1 | 161 | 22.8 | 22.4 | 22.5 | 21.4 | 21.4 | 21.3 | 20.9 | 21.3 | 21.4 | 20.3 | 20.8 | 21.1 |
| | | 81 | 40 | 22.4 | 22.5 | 22.4 | 21.3 | 21.3 | 21.1 | 21.1 | 21.4 | 21.4 | 20.5 | 20.9 | 21.0 |
| | | 162 | 0 | 22.4 | 22.5 | 22.4 | 21.3 | 21.3 | 21.1 | 21.1 | 21.5 | 21.4 | 20.4 | 20.9 | 21.0 |



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## OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 649000 | 656000 | 663000 | 649000 | 656000 | 663000 | 649000 | 656000 | 663000 | 649000 | 656000 | 663000 |
| | | | | 3735.0 | 3840.0 | 3945.0 | 3735.0 | 3840.0 | 3945.0 | 3735.0 | 3840.0 | 3945.0 | 3735.0 | 3840.0 | 3945.0 |
| 70.0 | BPSK | 1 | 0 | 23.7 | 23.8 | 24.2 | 22.3 | 22.2 | 22.0 | 22.2 | 22.1 | 22.1 | 21.4 | 21.5 | 21.6 |
| | | 1 | 1 | 25.7 | 25.9 | **26.3** | 25.8 | 25.7 | 25.6 | 25.7 | 25.7 | 25.7 | 25.1 | 25.0 | 25.1 |
| | | 1 | 187 | 26.2 | 26.2 | 26.0 | 25.9 | 25.7 | **25.9** | 25.5 | 25.9 | **26.1** | 24.8 | 25.2 | **25.6** |
| | | 1 | 188 | 24.0 | 24.1 | 24.0 | 22.3 | 22.2 | 22.3 | 21.9 | 22.4 | 22.7 | 21.3 | 21.8 | 22.1 |
| | | 90 | 45 | 26.0 | 26.0 | 26.1 | 25.9 | 25.9 | 25.6 | 25.6 | 25.9 | 25.9 | 25.0 | 25.3 | 25.4 |
| | | 180 | 0 | 26.0 | 25.9 | 26.1 | 24.3 | 24.3 | 24.1 | 25.1 | 25.4 | 25.3 | 24.5 | 24.9 | 24.9 |
| | QPSK | 1 | 0 | 23.1 | 23.4 | 23.7 | 22.2 | 22.2 | 22.1 | 22.2 | 22.1 | 22.0 | 21.5 | 21.5 | 21.5 |
| | | 1 | 1 | 25.6 | 25.9 | **26.2** | 25.7 | 25.8 | 25.6 | 25.7 | 25.6 | 25.7 | 25.1 | 25.0 | 25.0 |
| | | 1 | 187 | 26.1 | 26.1 | 26.0 | 25.8 | 25.7 | **25.9** | 25.4 | 26.0 | **26.2** | 24.8 | 25.2 | **25.5** |
| | | 1 | 188 | 23.6 | 23.6 | 23.5 | 22.4 | 22.2 | 22.3 | 22.0 | 22.3 | 22.7 | 21.4 | 21.9 | 22.1 |
| | | 90 | 45 | 25.9 | 26.0 | 26.1 | 25.8 | 25.9 | 25.6 | 25.6 | 26.0 | 25.9 | 25.0 | 25.4 | 25.4 |
| | | 180 | 0 | 25.9 | 26.0 | 26.0 | 23.8 | 23.8 | 23.6 | 24.7 | 24.9 | 24.9 | 24.0 | 24.4 | 24.4 |
| | 16QAM | 1 | 0 | 22.4 | 22.3 | 22.6 | 22.2 | 22.3 | 22.1 | 22.2 | 22.2 | 22.1 | 21.5 | 21.4 | 21.4 |
| | | 1 | 1 | 24.9 | 24.9 | 24.8 | 24.7 | 24.8 | 24.6 | 24.7 | 24.8 | 24.7 | 24.0 | 23.9 | 24.0 |
| | | 1 | 187 | **25.1** | 24.9 | 24.8 | **24.9** | 24.7 | 24.8 | 24.4 | 25.0 | **25.1** | 23.8 | 24.1 | **24.5** |
| | | 1 | 188 | 22.9 | 22.5 | 22.3 | 22.4 | 22.1 | 22.3 | 21.9 | 22.2 | 22.7 | 21.2 | 21.7 | 22.0 |
| | | 90 | 45 | 24.9 | 24.8 | 25.0 | 24.8 | 24.8 | 24.6 | 24.6 | 24.9 | 24.9 | 24.1 | 24.4 | 24.5 |
| | | 180 | 0 | 24.9 | 25.0 | 25.0 | 22.8 | 22.8 | 22.6 | 23.6 | 24.0 | 23.9 | 23.0 | 23.3 | 23.4 |
| | 64QAM | 1 | 0 | 22.2 | 22.6 | 22.7 | 22.0 | 22.1 | 22.0 | 22.2 | 22.0 | 22.2 | 21.4 | 21.4 | 21.7 |
| | | 1 | 1 | 24.5 | 24.8 | 24.9 | 23.1 | 23.2 | 23.1 | 23.2 | 23.1 | 23.2 | 22.4 | 22.7 | 22.8 |
| | | 1 | 187 | 25.0 | 24.9 | 24.7 | 23.2 | 23.0 | 23.3 | 22.9 | 23.4 | **23.6** | 22.3 | 22.7 | **23.2** |
| | | 1 | 188 | 22.7 | 22.5 | 22.5 | 22.2 | 22.0 | 22.3 | 21.9 | 22.4 | 22.7 | 21.2 | 21.6 | 22.2 |
| | | 90 | 45 | 25.0 | 24.9 | 25.0 | **23.4** | 23.3 | 23.1 | 23.2 | 23.4 | 23.4 | 22.5 | 22.9 | 22.9 |
| | | 180 | 0 | 24.9 | **25.0** | 24.8 | 22.3 | 22.3 | 22.2 | 23.1 | 23.4 | 23.4 | 22.5 | 22.9 | 23.0 |
| | 256QAM | 1 | 0 | 22.2 | 22.2 | **23.0** | 21.1 | 21.2 | 21.0 | 21.3 | 21.3 | 21.2 | 20.5 | 20.6 | 20.7 |
| | | 1 | 1 | 22.3 | 22.2 | 22.8 | 21.1 | 21.3 | 21.1 | 21.3 | 21.3 | 21.3 | 20.6 | 20.6 | 20.5 |
| | | 1 | 187 | 22.8 | 22.2 | 22.5 | 21.2 | 21.2 | **21.3** | 21.0 | 21.4 | 21.7 | 20.4 | 20.9 | **21.2** |
| | | 1 | 188 | 22.6 | 22.5 | 22.6 | 21.3 | 21.2 | 21.3 | 21.0 | 21.4 | **21.8** | 20.4 | 20.8 | 21.1 |
| | | 90 | 45 | 22.3 | 22.5 | 22.5 | 21.3 | 21.3 | 21.1 | 21.2 | 21.4 | 21.4 | 20.6 | 20.9 | 20.9 |
| | | 180 | 0 | 22.4 | 22.5 | 22.4 | 21.3 | 21.3 | 21.1 | 21.1 | 21.4 | 21.5 | 20.5 | 20.9 | 21.0 |

## OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 649333 | 656000 | 662666 | 649333 | 656000 | 662666 | 649333 | 656000 | 662666 | 649333 | 656000 | 662666 |
| | | | | 3740.0 | 3840.0 | 3940.0 | 3740.0 | 3840.0 | 3940.0 | 3740.0 | 3840.0 | 3940.0 | 3740.0 | 3840.0 | 3940.0 |
| 80.0 | BPSK | 1 | 0 | 23.8 | 23.8 | 24.2 | 22.3 | 22.3 | 22.1 | 22.2 | 22.2 | 22.1 | 21.4 | 21.5 | 21.6 |
| | | 1 | 1 | 25.7 | 25.9 | 26.2 | 25.8 | 25.9 | 25.7 | 25.8 | 25.7 | 25.8 | 25.1 | 25.0 | 25.1 |
| | | 1 | 215 | **26.3** | 26.1 | 26.0 | 25.9 | 25.7 | **25.9** | 25.6 | 26.0 | **26.3** | 25.0 | 25.3 | **25.6** |
| | | 1 | 216 | 24.2 | 24.2 | 24.1 | 22.3 | 22.2 | 22.4 | 22.1 | 22.4 | 22.6 | 21.4 | 21.8 | 22.1 |
| | | 108 | 54 | 26.0 | 25.9 | 26.1 | 25.9 | 25.9 | 25.7 | 25.6 | 25.9 | 25.9 | 25.0 | 25.3 | 25.4 |
| | | 216 | 0 | 26.1 | 26.0 | 26.0 | 24.5 | 24.3 | 24.2 | 25.1 | 25.5 | 25.5 | 24.5 | 24.8 | 24.9 |
| | QPSK | 1 | 0 | 23.2 | 23.4 | 23.7 | 22.2 | 22.3 | 22.1 | 22.2 | 22.2 | 22.2 | 21.5 | 21.6 | 21.6 |
| | | 1 | 1 | 25.8 | 25.9 | **26.2** | 25.8 | 25.9 | 25.7 | 25.8 | 25.8 | 25.7 | 24.9 | 25.0 | 25.1 |
| | | 1 | 215 | 26.1 | 26.1 | 26.1 | 25.9 | 25.8 | **26.0** | 25.6 | 26.0 | **26.3** | 25.0 | 25.4 | **25.6** |
| | | 1 | 216 | 23.6 | 23.5 | 23.6 | 22.3 | 22.2 | 22.3 | 22.0 | 22.4 | 22.7 | 21.5 | 21.8 | 22.2 |
| | | 108 | 54 | 26.1 | 25.9 | 26.1 | 25.9 | 25.9 | 25.6 | 25.6 | 25.9 | 25.9 | 25.1 | 25.4 | 25.4 |
| | | 216 | 0 | 25.9 | 26.0 | 26.1 | 23.9 | 23.8 | 23.6 | 24.7 | 24.9 | 24.9 | 24.0 | 24.3 | 24.4 |
| | 16QAM | 1 | 0 | 22.0 | 22.0 | 22.3 | 22.2 | 22.1 | 22.2 | 22.4 | 22.2 | 22.2 | 21.6 | 21.5 | 21.6 |
| | | 1 | 1 | 24.6 | 25.0 | 25.0 | 24.8 | 24.7 | 24.8 | 24.9 | 24.8 | 24.8 | 24.2 | 24.1 | 24.2 |
| | | 1 | 215 | **25.1** | 25.0 | 24.9 | 24.9 | 24.5 | **25.0** | 24.7 | 25.0 | **25.3** | 24.2 | 24.3 | **24.7** |
| | | 1 | 216 | 22.5 | 22.4 | 22.2 | 22.3 | 22.0 | 22.5 | 22.2 | 22.4 | 22.7 | 21.6 | 21.8 | 22.2 |
| | | 108 | 54 | 25.1 | 25.0 | 25.0 | 24.9 | 24.9 | 24.7 | 24.7 | 25.0 | 24.9 | 24.0 | 24.3 | 24.4 |
| | | 216 | 0 | 24.9 | 24.9 | 25.0 | 22.9 | 22.8 | 22.6 | 23.6 | 24.0 | 23.9 | 23.0 | 23.4 | 23.4 |
| | 64QAM | 1 | 0 | 22.0 | 22.1 | 22.6 | 22.2 | 22.4 | 22.1 | 22.2 | 22.3 | 22.2 | 21.5 | 21.6 | 21.5 |
| | | 1 | 1 | 25.0 | 24.7 | 25.0 | 23.3 | **23.5** | 23.2 | 23.3 | 23.3 | 23.2 | 22.7 | 22.7 | 22.6 |
| | | 1 | 215 | **25.1** | 24.9 | 24.9 | 23.3 | 23.4 | 23.4 | 23.2 | 23.7 | **23.7** | 22.5 | 22.9 | **23.2** |
| | | 1 | 216 | 22.5 | 22.2 | 22.3 | 22.3 | 22.3 | 22.4 | 22.1 | 22.5 | 22.7 | 21.4 | 21.9 | 22.1 |
| | | 108 | 54 | 24.9 | 24.9 | 25.0 | 23.4 | 23.4 | 23.1 | 23.2 | 23.5 | 23.4 | 22.6 | 22.9 | 23.0 |
| | | 216 | 0 | 25.0 | 25.0 | 25.0 | 22.4 | 22.3 | 22.1 | 23.2 | 23.5 | 23.4 | 22.6 | 23.0 | 22.9 |
| | 256QAM | 1 | 0 | 22.2 | 22.4 | 22.5 | 20.9 | 21.4 | 21.1 | 21.2 | 21.1 | 21.3 | 20.5 | 20.5 | 20.4 |
| | | 1 | 1 | 22.3 | 22.7 | 22.5 | 21.0 | 21.4 | 21.2 | 21.3 | 21.2 | 21.4 | 20.6 | 20.4 | 20.5 |
| | | 1 | 215 | 22.6 | 22.6 | 22.6 | 21.1 | 21.3 | **21.5** | 21.1 | 21.4 | 21.8 | 20.6 | 20.7 | 20.9 |
| | | 1 | 216 | 22.6 | **22.9** | 22.6 | 21.0 | 21.2 | 21.4 | 21.1 | 21.4 | **21.9** | 20.5 | 20.6 | 20.9 |
| | | 108 | 54 | 22.5 | 22.4 | 22.4 | 21.3 | 21.3 | 21.1 | 21.1 | 21.4 | 21.4 | 20.5 | 20.9 | 20.9 |
| | | 216 | 0 | 22.5 | 22.5 | 22.5 | 21.3 | 21.4 | 21.1 | 21.1 | 21.4 | 21.4 | 20.5 | 20.9 | **21.0** |



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## OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 649666 | 656000 | 662333 | 649666 | 656000 | 662333 | 649666 | 656000 | 662333 | 649666 | 656000 | 662333 |
| | | | | 3745.0 | 3840.0 | 3935.0 | 3745.0 | 3840.0 | 3935.0 | 3745.0 | 3840.0 | 3935.0 | 3745.0 | 3840.0 | 3935.0 |
| 90.0 | BPSK | 1 | 0 | 23.6 | 23.8 | 24.0 | 22.2 | 22.3 | 22.2 | 22.2 | 22.1 | 22.3 | 21.5 | 21.5 | 21.6 |
| | | 1 | 1 | 25.6 | 26.0 | 26.1 | 25.9 | 25.9 | 25.8 | 25.8 | 25.7 | 25.8 | 25.2 | 25.1 | 25.2 |
| | | 1 | 243 | 26.1 | **26.2** | 26.1 | 26.0 | 25.8 | **26.0** | 25.6 | 26.1 | **26.3** | 25.1 | 25.4 | **25.7** |
| | | 1 | 244 | 24.0 | 24.1 | 23.9 | 22.3 | 22.1 | 22.4 | 22.1 | 22.4 | 22.7 | 21.5 | 21.8 | 22.1 |
| | | 120 | 60 | 26.0 | 26.0 | 26.1 | 25.9 | 25.8 | 25.6 | 25.6 | 26.0 | 25.9 | 25.1 | 25.5 | 25.4 |
| | | 243 | 0 | 26.0 | 25.9 | 26.1 | 24.4 | 24.4 | 24.2 | 25.2 | 25.5 | 25.4 | 24.6 | 24.8 | 24.9 |
| | QPSK | 1 | 0 | 23.0 | 23.4 | 23.5 | 22.2 | 22.3 | 22.1 | 22.2 | 22.0 | 22.3 | 21.6 | 21.4 | 21.6 |
| | | 1 | 1 | 25.6 | 26.0 | **26.2** | 25.8 | 25.9 | 25.8 | 25.8 | 25.8 | 25.9 | 25.1 | 25.1 | 25.2 |
| | | 1 | 243 | 26.1 | 26.2 | 26.0 | **26.0** | 25.8 | 26.0 | 25.7 | 26.0 | **26.4** | 25.1 | 25.3 | **25.7** |
| | | 1 | 244 | 23.5 | 23.5 | 23.4 | 22.4 | 22.2 | 22.4 | 22.2 | 22.5 | 22.7 | 21.5 | 21.8 | 22.1 |
| | | 120 | 60 | 26.1 | 25.9 | 26.1 | 25.9 | 25.8 | 25.6 | 25.6 | 25.9 | 25.9 | 25.1 | 25.5 | 25.4 |
| | | 243 | 0 | 26.0 | 25.9 | 26.0 | 23.9 | 23.8 | 23.7 | 24.7 | 24.9 | 25.0 | 24.0 | 24.4 | 24.4 |
| | 16QAM | 1 | 0 | 22.0 | 22.6 | 22.8 | 22.3 | 22.3 | 22.3 | 22.3 | 22.1 | 22.1 | 21.6 | 21.6 | 21.8 |
| | | 1 | 1 | 24.3 | 24.9 | 24.9 | 24.9 | 25.0 | 24.9 | 24.8 | 24.8 | 24.7 | 24.2 | 24.2 | 24.3 |
| | | 1 | 243 | 24.9 | 24.9 | 25.0 | 25.0 | 24.9 | **25.1** | 24.7 | **25.0** | **25.0** | 24.2 | 24.5 | **24.9** |
| | | 1 | 244 | 22.4 | 22.8 | 22.6 | 22.4 | 22.2 | 22.5 | 22.0 | 22.3 | 22.6 | 21.6 | 21.8 | 22.2 |
| | | 120 | 60 | 24.9 | 25.0 | **25.0** | 24.9 | 24.9 | 24.6 | 24.6 | 24.9 | 24.9 | 24.1 | 24.5 | 24.4 |
| | | 243 | 0 | 25.0 | 24.9 | 25.0 | 22.9 | 22.9 | 22.6 | 23.7 | 24.0 | 23.9 | 23.1 | 23.4 | 23.4 |
| | 64QAM | 1 | 0 | 21.7 | 22.2 | 22.3 | 22.3 | 22.4 | 22.2 | 22.1 | 22.2 | 22.4 | 21.7 | 21.3 | 21.6 |
| | | 1 | 1 | 24.7 | 25.0 | 24.9 | 23.5 | **23.5** | 23.3 | 23.1 | 23.3 | 23.5 | 22.7 | 22.5 | 22.8 |
| | | 1 | 243 | 24.9 | 24.6 | 24.8 | 23.5 | 23.4 | 23.5 | 22.9 | 23.5 | **23.9** | 22.7 | 22.8 | **23.2** |
| | | 1 | 244 | 22.4 | 22.5 | 22.1 | 22.4 | 22.3 | 22.5 | 21.8 | 22.5 | 22.8 | 21.6 | 21.7 | 22.1 |
| | | 120 | 60 | **25.0** | 25.0 | 25.0 | 23.4 | 23.3 | 23.1 | 23.2 | 23.5 | 23.4 | 22.6 | 22.9 | 22.9 |
| | | 243 | 0 | 24.8 | **25.0** | 24.9 | 22.4 | 22.3 | 22.2 | 23.2 | 23.4 | 23.4 | 22.5 | 22.9 | 22.9 |
| | 256QAM | 1 | 0 | 22.0 | 22.3 | 22.3 | 21.2 | 21.2 | 21.2 | 21.1 | 21.3 | 21.2 | 20.4 | 20.4 | 20.8 |
| | | 1 | 1 | 22.3 | 22.6 | 22.5 | 21.3 | 21.3 | 21.3 | 21.3 | 21.4 | 21.4 | 20.5 | 20.6 | 20.9 |
| | | 1 | 243 | 22.6 | **22.7** | 22.5 | 21.4 | 21.2 | **21.4** | 21.3 | 21.5 | **21.7** | 20.4 | 20.8 | 21.4 |
| | | 1 | 244 | 22.5 | 22.6 | 22.4 | 21.3 | 21.1 | 21.3 | 21.1 | 21.5 | 21.6 | 20.4 | 20.7 | **21.5** |
| | | 120 | 60 | 22.5 | 22.3 | 22.4 | **21.4** | 21.3 | 21.1 | 21.1 | 21.4 | 21.4 | 20.6 | 20.9 | 20.9 |
| | | 243 | 0 | 22.5 | 22.5 | 22.5 | **21.4** | 21.3 | 21.1 | 21.2 | 21.4 | 21.4 | 20.5 | 20.8 | 20.9 |

## OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

| Bandwidth (MHz) | Modulation | RB Allocation | RB Offset | Conducted Average (dBm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ANT 6 | | | ANT 7 | | | ANT 1 | | | ANT 5 | | |
| | | | | 650000 | 656000 | 662000 | 650000 | 656000 | 662000 | 650000 | 656000 | 662000 | 650000 | 656000 | 662000 |
| | | | | 3750.0 | 3840.0 | 3930.0 | 3750.0 | 3840.0 | 3930.0 | 3750.0 | 3840.0 | 3930.0 | 3750.0 | 3840.0 | 3930.0 |
| 100.0 | BPSK | 1 | 0 | 23.4 | 23.8 | 24.0 | 22.1 | 22.3 | 22.0 | 22.1 | 22.0 | 22.3 | 21.5 | 21.4 | 21.7 |
| | | 1 | 1 | 25.7 | 26.0 | 26.1 | 25.8 | 26.0 | 25.8 | 25.9 | 25.7 | 26.0 | 25.2 | 25.1 | 25.4 |
| | | 1 | 271 | 26.0 | 26.1 | 26.1 | **26.0** | 25.8 | 26.0 | 25.8 | 26.0 | **26.3** | 25.2 | 25.4 | **25.8** |
| | | 1 | 272 | 24.0 | 24.0 | 23.9 | 22.3 | 22.1 | 22.4 | 22.2 | 22.3 | 22.6 | 21.5 | 21.7 | 22.1 |
| | | 135 | 67 | 26.0 | 25.9 | **26.3** | 25.9 | 25.9 | 25.6 | 25.7 | 26.0 | 25.8 | 25.1 | 25.5 | 25.3 |
| | | 270 | 0 | 26.1 | 25.9 | 26.1 | 24.4 | 24.4 | 24.1 | 25.2 | 25.5 | 25.4 | 24.6 | 25.0 | 25.0 |
| | QPSK | 1 | 0 | 22.9 | 23.4 | 23.5 | 22.1 | 22.3 | 22.1 | 22.2 | 21.9 | 22.3 | 21.4 | 21.4 | 21.7 |
| | | 1 | 1 | 25.7 | 26.1 | **26.3** | 25.9 | **26.0** | 25.8 | 25.9 | 25.8 | 26.0 | 25.0 | 25.0 | 25.3 |
| | | 1 | 271 | 26.0 | 26.3 | 26.1 | 26.0 | 25.8 | 26.0 | 25.8 | 26.1 | **26.3** | 25.3 | 25.4 | **25.8** |
| | | 1 | 272 | 23.2 | 23.6 | 23.4 | 22.4 | 22.2 | 22.4 | 22.1 | 22.3 | 22.7 | 21.5 | 21.7 | 22.1 |
| | | 135 | 67 | 26.0 | 26.0 | 26.2 | 25.9 | 25.9 | 25.6 | 25.7 | 26.0 | 25.9 | 25.1 | 25.5 | 25.5 |
| | | 270 | 0 | 25.9 | 26.0 | 26.1 | 23.9 | 23.8 | 23.7 | 24.7 | 25.0 | 24.9 | 24.0 | 24.5 | 24.4 |
| | 16QAM | 1 | 0 | 22.1 | 22.3 | 22.2 | 22.1 | 22.4 | 22.2 | 22.1 | 22.1 | 22.5 | 21.4 | 21.4 | 21.5 |
| | | 1 | 1 | 24.7 | 25.1 | 25.0 | 24.8 | 25.0 | 24.9 | 24.8 | 24.7 | 25.2 | 24.1 | 24.0 | 24.3 |
| | | 1 | 271 | **25.2** | 25.2 | 24.6 | 24.9 | 24.9 | **25.1** | 24.7 | 25.0 | **25.5** | 24.2 | 24.2 | **24.7** |
| | | 1 | 272 | 22.5 | 22.5 | 22.2 | 22.2 | 22.2 | 22.5 | 22.1 | 22.4 | 22.5 | 21.5 | 21.7 | 22.0 |
| | | 135 | 67 | 24.9 | 24.8 | 25.0 | 24.9 | 24.8 | 24.6 | 24.7 | 25.0 | 24.8 | 24.1 | 24.5 | 24.3 |
| | | 270 | 0 | 25.0 | 24.9 | 25.1 | 22.9 | 22.9 | 22.7 | 23.6 | 24.0 | 23.9 | 23.1 | 23.5 | 23.5 |
| | 64QAM | 1 | 0 | 22.0 | 22.5 | 22.7 | 22.1 | 22.3 | 22.1 | 22.2 | 22.0 | 22.4 | 21.5 | 21.6 | 21.6 |
| | | 1 | 1 | 24.6 | 24.8 | 25.0 | 23.3 | **23.6** | 23.2 | 23.3 | 23.2 | 23.6 | 22.7 | 22.8 | 23.0 |
| | | 1 | 271 | 25.1 | **25.1** | 25.0 | 23.4 | 23.4 | 23.4 | 23.3 | 23.4 | **24.0** | 22.7 | 23.0 | **23.3** |
| | | 1 | 272 | 22.4 | 22.3 | 22.5 | 22.3 | 22.3 | 22.4 | 22.2 | 22.3 | 22.7 | 21.6 | 21.9 | 22.1 |
| | | 135 | 67 | 24.9 | 24.8 | 25.0 | 23.5 | 23.3 | 23.1 | 23.2 | 23.5 | 23.3 | 22.6 | 22.9 | 23.0 |
| | | 270 | 0 | 25.0 | 25.0 | 25.0 | 22.4 | 22.4 | 22.2 | 23.1 | 23.5 | 23.4 | 22.6 | 22.9 | 22.9 |
| | 256QAM | 1 | 0 | 21.7 | 22.2 | 22.6 | 21.1 | 21.2 | 21.2 | 21.1 | 21.1 | 21.2 | 20.3 | 20.5 | 20.6 |
| | | 1 | 1 | 22.4 | **22.7** | 22.7 | 21.3 | 21.4 | 21.4 | 21.3 | 21.3 | 21.4 | 20.6 | 20.7 | 20.7 |
| | | 1 | 271 | 22.4 | **22.7** | 22.4 | 21.4 | 21.3 | **21.6** | 21.2 | 21.5 | **21.8** | 20.6 | 20.9 | **21.3** |
| | | 1 | 272 | 22.4 | 22.6 | 22.5 | 21.2 | 21.2 | 21.4 | 21.1 | 21.4 | 21.5 | 20.4 | 20.7 | 21.0 |
| | | 135 | 67 | 22.4 | 22.3 | 22.6 | 21.4 | 21.4 | 21.1 | 21.2 | 21.5 | 21.3 | 20.6 | 21.1 | 20.9 |
| | | 270 | 0 | 22.5 | 22.5 | 22.5 | 21.4 | 21.3 | 21.2 | 21.1 | 21.5 | 21.4 | 20.5 | 20.9 | 20.9 |



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# 9. CONDUCTED TEST RESULTS

## 9.1. OCCUPIED BANDWIDTH

**RULE PART(S)**

FCC: §2.1049

**LIMITS**

For reporting purposes only.

**TEST PROCEDURE**

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the middle channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

**RESULTS**

There is no limit required and power is the same for low, middle and high channel; therefore, only middle channel was tested except 5G NR n70 where mix of middle/high channels are used. Worst-case plots (highest bandwidth) are reported only.



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**LTE BAND 5**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 5 | 1.4MHz, QPSK | 6/0 | 836.5 | 1.0937 | 1.317 |
| | 1.4MHz,16QAM | | | 1.0882 | 1.307 |
| | 3MHz, QPSK | 15/0 | | 2.6996 | 3.063 |
| | 3MHz, 16QAM | | | 2.7053 | 3.104 |
| | 5MHz, QPSK | 25/0 | | 4.5026 | 5.284 |
| | 5MHz, 16QAM | | | 4.4934 | 5.199 |
| | 10MHz, QPSK | 50/0 | | 8.9862 | 10.180 |
| | 10MHz, 16QAM | | | 9.0046 | 10.280 |
| | 10MHz, QPSK | 1/0 | | 0.2420 | 0.386 |

**5G NR n5**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n5 | 5MHz, BPSK | 25/0 | 836.5 | 4.4874 | 5.191 |
| | 5MHz, QPSK | | | 4.4947 | 5.290 |
| | 5MHz, 16QAM | | | 4.5045 | 5.323 |
| | 10MHz, BPSK | 50/0 | | 8.9756 | 9.801 |
| | 10MHz, QPSK | | | 8.9509 | 9.847 |
| | 10MHz, 16QAM | | | 8.9687 | 9.825 |
| | 15MHz, BPSK | 75/0 | | 13.409 | 14.490 |
| | 15MHz, QPSK | | | 13.427 | 14.630 |
| | 15MHz, 16QAM | | | 13.429 | 14.480 |
| | 20MHz, BPSK | 100/0 | | 17.846 | 19.050 |
| | 20MHz, QPSK | | | 17.865 | 19.140 |
| | 20MHz, 16QAM | | | 17.832 | 19.030 |
| | 20MHz, BPSK | 1/0 | | 0.2390 | 0.385 |

**LTE BAND 7**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 7 | 5MHz, QPSK | 25/0 | 2535.0 | 4.5183 | 5.288 |
| | 5MHz, 16QAM | | | 4.5116 | 5.330 |
| | 10MHz, QPSK | 50/0 | | 9.0150 | 10.340 |
| | 10MHz, 16QAM | | | 8.9933 | 10.400 |
| | 15MHz, QPSK | 75/0 | | 13.469 | 15.100 |
| | 15MHz, 16QAM | | | 13.454 | 14.930 |
| | 20MHz, QPSK | 100/0 | | 17.980 | 19.960 |
| | 20MHz, 16QAM | | | 17.905 | 18.920 |
| | 20MHz, QPSK | 1/0 | | 0.2765 | 0.472 |



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**5G NR n7**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n7 | 5MHz, BPSK | 25/0 | 2535.0 | 4.5778 | 5.106 |
| | 5MHz, QPSK | | | 4.5063 | 5.335 |
| | 5MHz, 16QAM | | | 4.6134 | 5.075 |
| | 10MHz, BPSK | 50/0 | | 8.9867 | 10.03 |
| | 10MHz, QPSK | | | 8.9849 | 9.912 |
| | 10MHz, 16QAM | | | 8.9799 | 9.913 |
| | 15MHz, BPSK | 75/0 | | 13.455 | 14.590 |
| | 15MHz, QPSK | | | 13.475 | 14.670 |
| | 15MHz, 16QAM | | | 13.426 | 14.640 |
| | 20MHz, BPSK | 100/0 | | 17.962 | 19.240 |
| | 20MHz, QPSK | | | 17.919 | 19.140 |
| | 20MHz, 16QAM | | | 17.972 | 19.160 |
| | 25MHz, BPSK | 128/0 | | 22.968 | 25.000 |
| | 25MHz, QPSK | | | 22.935 | 24.870 |
| | 25MHz, 16QAM | | | 22.975 | 24.790 |
| | 30MHz, BPSK | 160/0 | | 28.740 | 31.870 |
| | 30MHz, QPSK | | | 28.660 | 32.150 |
| | 30MHz, 16QAM | | | 28.801 | 32.380 |
| | 40MHz, BPSK | 216/0 | | 38.755 | 42.050 |
| | 40MHz, QPSK | | | 38.722 | 42.420 |
| | 40MHz, 16QAM | | | 38.649 | 42.060 |
| | 50MHz, BPSK | 270/0 | | 48.300 | 52.29 |
| | 50MHz, QPSK | | | 48.225 | 51.74 |
| | 50MHz, 16QAM | | | 48.205 | 51.93 |
| | 50MHz, BPSK | 1/0 | | 0.2980 | 0.4509 |

**LTE BAND 12**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 12 | 1.4MHz, QPSK | 6/0 | 707.5 | 1.0865 | 1.291 |
| | 1.4MHz,16QAM | | | 1.0898 | 1.297 |
| | 3MHz, QPSK | 15/0 | | 2.7031 | 3.114 |
| | 3MHz, 16QAM | | | 2.7018 | 3.117 |
| | 5MHz, QPSK | 25/0 | | 4.5153 | 5.335 |
| | 5MHz, 16QAM | | | 4.4998 | 5.251 |
| | 10MHz, QPSK | 50/0 | | 9.0119 | 10.150 |
| | 10MHz, 16QAM | | | 8.9830 | 10.310 |
| | 10MHz, QPSK | 1/0 | | 0.2376 | 0.396 |




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**5G NR n12**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n12 | 5MHz, BPSK | 25/0 | 707.5 | 4.4921 | 5.087 |
| | 5MHz, QPSK | | | 4.4846 | 5.180 |
| | 5MHz, 16QAM | | | 4.5038 | 5.261 |
| | 10MHz, BPSK | 50/0 | | 8.9665 | 9.846 |
| | 10MHz, QPSK | | | 8.9747 | 9.922 |
| | 10MHz, 16QAM | | | 8.9513 | 9.925 |
| | 15MHz, BPSK | 75/0 | | 13.437 | 14.490 |
| | 15MHz, QPSK | | | 13.426 | 14.520 |
| | 15MHz, 16QAM | | | 13.413 | 14.600 |
| | 15MHz, BPSK | 1/0 | | 0.2417 | 0.377 |

**LTE BAND 13**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 13 | 5MHz, QPSK | 25/0 | 782.0 | 4.5037 | 5.293 |
| | 5MHz, 16QAM | | | 4.5049 | 5.293 |
| | 10MHz, QPSK | 50/0 | | 8.9736 | 10.320 |
| | 10MHz, 16QAM | | | 8.9670 | 10.340 |
| | 10MHz, QPSK | 1/0 | | 0.2339 | 0.390 |

**LTE BAND 14**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 14 | 5MHz, QPSK | 25/0 | 793.0 | 4.5124 | 5.210 |
| | 5MHz, 16QAM | | | 4.5026 | 5.248 |
| | 10MHz, QPSK | 50/0 | | 9.0042 | 10.270 |
| | 10MHz, 16QAM | | | 8.9822 | 10.310 |
| | 10MHz, QPSK | 1/0 | | 0.2359 | 0.394 |

**5G NR n14**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n14 | 5MHz, BPSK | 25/0 | 793.0 | 4.4972 | 5.292 |
| | 5MHz, QPSK | | | 4.4968 | 5.244 |
| | 5MHz, 16QAM | | | 4.5074 | 5.233 |
| | 10MHz, BPSK | 50/0 | | 8.9629 | 9.863 |
| | 10MHz, QPSK | | | 8.9802 | 9.965 |
| | 10MHz, 16QAM | | | 8.9625 | 9.762 |
| | 10MHz, BPSK | 1/0 | | 0.2380 | 0.377 |




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**LTE BAND 17**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 17 | 5MHz, QPSK | 25/0 | 710.0 | 4.5281 | 5.359 |
| | 5MHz, 16QAM | | | 4.5230 | 5.248 |
| | 10MHz, QPSK | 50/0 | | 9.0104 | 10.360 |
| | 10MHz, 16QAM | | | 9.0070 | 10.360 |
| | 10MHz, QPSK | 1/0 | | 0.2347 | 0.393 |

**LTE BAND 25**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 25 | 1.4MHz, QPSK | 6/0 | 1882.5 | 1.0895 | 1.311 |
| | 1.4MHz,16QAM | | | 1.0930 | 1.311 |
| | 3MHz, QPSK | 15/0 | | 2.7016 | 3.110 |
| | 3MHz, 16QAM | | | 2.7025 | 3.077 |
| | 5MHz, QPSK | 25/0 | | 4.5191 | 5.219 |
| | 5MHz, 16QAM | | | 4.5160 | 5.278 |
| | 10MHz, QPSK | 50/0 | | 9.0147 | 10.280 |
| | 10MHz, 16QAM | | | 9.0094 | 10.190 |
| | 15MHz, QPSK | 75/0 | | 13.488 | 15.160 |
| | 15MHz, 16QAM | | | 13.467 | 15.250 |
| | 20MHz, QPSK | 100/0 | | 17.963 | 19.860 |
| | 20MHz, 16QAM | | | 17.967 | 19.990 |
| | 20MHz, QPSK | 1/0 | | 0.2691 | 0.460 |



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**5G NR n25**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n25 | 5MHz, BPSK | 25/0 | 1882.5 | 4.5903 | 5.075 |
| | 5MHz, QPSK | | | 4.5030 | 5.224 |
| | 5MHz, 16QAM | | | 4.5865 | 5.044 |
| | 10MHz, BPSK | 50/0 | | 8.9724 | 9.855 |
| | 10MHz, QPSK | | | 8.9747 | 9.994 |
| | 10MHz, 16QAM | | | 8.9700 | 9.860 |
| | 15MHz, BPSK | 75/0 | | 13.460 | 14.680 |
| | 15MHz, QPSK | | | 13.448 | 14.590 |
| | 15MHz, 16QAM | | | 13.445 | 14.630 |
| | 20MHz, BPSK | 100/0 | | 17.915 | 19.250 |
| | 20MHz, QPSK | | | 17.907 | 19.290 |
| | 20MHz, 16QAM | | | 17.914 | 19.270 |
| | 25MHz, BPSK | 128/0 | | 22.950 | 24.920 |
| | 25MHz, QPSK | | | 22.933 | 25.170 |
| | 25MHz, 16QAM | | | 22.895 | 25.090 |
| | 30MHz, BPSK | 160/0 | | 28.693 | 31.900 |
| | 30MHz, QPSK | | | 28.663 | 31.830 |
| | 30MHz, 16QAM | | | 28.614 | 31.650 |
| | 35MHz, BPSK | 180/0 | | 32.262 | 35.610 |
| | 35MHz, QPSK | | | 32.249 | 36.020 |
| | 35MHz, 16QAM | | | 32.323 | 36.120 |
| | 40MHz, BPSK | 216/0 | | 38.731 | 42.320 |
| | 40MHz, QPSK | | | 38.624 | 42.270 |
| | 40MHz, 16QAM | | | 38.740 | 40.890 |
| | 40MHz, BPSK | 1/0 | | 0.2459 | 0.440 |

**LTE BAND 26 (PART 90S)**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 26 | 1.4MHz, QPSK | 6/0 | 819.0 | 1.0921 | 1.303 |
| | 1.4MHz,16QAM | | | 1.0939 | 1.341 |
| | 3MHz, QPSK | 15/0 | | 2.7038 | 3.108 |
| | 3MHz, 16QAM | | | 2.7013 | 3.097 |
| | 5MHz, QPSK | 25/0 | | 4.5049 | 5.254 |
| | 5MHz, 16QAM | | | 4.5123 | 5.385 |
| | 10MHz, QPSK | 50/0 | | 8.9915 | 10.380 |
| | 10MHz, 16QAM | | | 9.0018 | 10.370 |
| | 10MHz, QPSK | 1/0 | | 0.2575 | 0.411 |



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**5G NR n26 (PART 90S)**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n26 (Part 90S) | 5MHz, BPSK | 25/0 | 819.0 | 4.4975 | 5.294 |
| | 5MHz, QPSK | | | 4.5026 | 5.292 |
| | 5MHz, 16QAM | | | 4.4955 | 5.277 |
| | 10MHz, BPSK | 50/0 | | 8.9694 | 10.000 |
| | 10MHz, QPSK | | | 8.9805 | 9.994 |
| | 10MHz, 16QAM | | | 8.9576 | 9.979 |
| | 10MHz, BPSK | 1/0 | | 0.2215 | 0.374 |

**LTE BAND 26 (PART 22)**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 26 | 1.4MHz, QPSK | 6/0 | 836.5 | 1.0875 | 1.303 |
| | 1.4MHz,16QAM | | | 1.0877 | 1.325 |
| | 3MHz, QPSK | 15/0 | | 2.7105 | 3.071 |
| | 3MHz, 16QAM | | | 2.7024 | 3.095 |
| | 5MHz, QPSK | 25/0 | | 4.4980 | 5.153 |
| | 5MHz, 16QAM | | | 4.5007 | 5.191 |
| | 10MHz, QPSK | 50/0 | | 8.9895 | 10.440 |
| | 10MHz, 16QAM | | | 8.9828 | 10.370 |
| | 15MHz, QPSK | 75/0 | | 13.422 | 15.200 |
| | 15MHz, 16QAM | | | 13.433 | 15.140 |
| | 15MHz, QPSK | 1/0 | | 0.2689 | 0.478 |

**5G NR n26 (PART 22)**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n26 (Part 22) | 5MHz, BPSK | 25/0 | 836.5 | 4.4996 | 5.267 |
| | 5MHz, QPSK | | | 4.4906 | 5.172 |
| | 5MHz, 16QAM | | | 4.5009 | 5.298 |
| | 10MHz, BPSK | 50/0 | | 8.9623 | 9.836 |
| | 10MHz, QPSK | | | 8.9624 | 9.826 |
| | 10MHz, 16QAM | | | 8.9858 | 9.847 |
| | 15MHz, BPSK | 75/0 | | 13.433 | 14.490 |
| | 15MHz, QPSK | | | 13.405 | 14.470 |
| | 15MHz, 16QAM | | | 13.416 | 14.470 |
| | 20MHz, BPSK | 100/0 | | 17.920 | 19.090 |
| | 20MHz, QPSK | | | 17.897 | 19.300 |
| | 20MHz, 16QAM | | | 17.890 | 19.180 |
| | 20MHz, BPSK | 1/0 | | 0.2388 | 0.373 |



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**LTE BAND 30**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 30 | 5MHz, QPSK | 25/0 | 2310.0 | 4.5118 | 5.311 |
| | 5MHz, 16QAM | | | 4.5108 | 5.370 |
| | 10MHz, QPSK | 50/0 | | 9.0115 | 10.270 |
| | 10MHz, 16QAM | | | 8.9935 | 10.480 |
| | 10MHz, QPSK | 1/0 | | 0.2475 | 0.421 |

**5G NR n30**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n30 | 5MHz, BPSK | 25/0 | 2310.0 | 4.4987 | 5.093 |
| | 5MHz, QPSK | | | 4.4938 | 5.227 |
| | 5MHz, 16QAM | | | 4.5038 | 5.277 |
| | 10MHz, BPSK | 50/0 | | 8.9679 | 9.838 |
| | 10MHz, QPSK | | | 8.9769 | 9.964 |
| | 10MHz, 16QAM | | | 8.9916 | 9.930 |
| | 10MHz, BPSK | 1/0 | | 0.2283 | 0.358 |

**LTE BAND 41 HPUE**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 41 | 5MHz, QPSK | 25/0 | 2593.0 | 4.5065 | 5.241 |
| | 5MHz, 16QAM | | | 4.5020 | 5.255 |
| | 10MHz, QPSK | 50/0 | | 8.9889 | 10.490 |
| | 10MHz, 16QAM | | | 8.9921 | 10.180 |
| | 15MHz, QPSK | 75/0 | | 13.450 | 15.000 |
| | 15MHz, 16QAM | | | 13.450 | 15.070 |
| | 20MHz, QPSK | 100/0 | | 17.908 | 19.780 |
| | 20MHz, 16QAM | | | 17.962 | 19.740 |
| | 20MHz, QPSK | 1/0 | | 0.2872 | 0.470 |



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**5G NR n41 HPUE**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n41 (FCC) | 10MHz, BPSK | 24/0 | 2593.0 | 8.6648 | 10.07 |
| | 10MHz, QPSK | | | 8.6681 | 10.26 |
| | 10MHz, 16QAM | | | 8.6803 | 10.02 |
| | 15MHz, BPSK | 36/0 | | 12.922 | 14.73 |
| | 15MHz, QPSK | | | 12.933 | 14.81 |
| | 15MHz, 16QAM | | | 12.907 | 14.25 |
| | 20MHz, BPSK | 50/0 | | 17.926 | 19.48 |
| | 20MHz, QPSK | | | 17.889 | 19.88 |
| | 20MHz, 16QAM | | | 17.873 | 19.50 |
| | 25MHz, BPSK | 64/0 | | 22.918 | 24.85 |
| | 25MHz, QPSK | | | 22.974 | 25.07 |
| | 25MHz, 16QAM | | | 22.924 | 25.15 |
| | 30MHz, BPSK | 75/0 | | 26.960 | 28.98 |
| | 30MHz, QPSK | | | 26.937 | 29.21 |
| | 30MHz, 16QAM | | | 26.892 | 29.27 |
| | 40MHz, BPSK | 100/0 | | 35.856 | 38.02 |
| | 40MHz, QPSK | | | 35.799 | 38.46 |
| | 40MHz, 16QAM | | | 35.765 | 38.10 |
| | 50MHz, BPSK | 128/0 | | 45.782 | 49.65 |
| | 50MHz, QPSK | | | 45.771 | 49.98 |
| | 50MHz, 16QAM | | | 45.678 | 49.63 |
| | 60MHz, BPSK | 162/0 | | 58.026 | 64.55 |
| | 60MHz, QPSK | | | 57.957 | 63.62 |
| | 60MHz, 16QAM | | | 57.955 | 64.01 |
| | 70MHz, BPSK | 180/0 | | 64.486 | 70.33 |
| | 70MHz, QPSK | | | 64.580 | 72.03 |
| | 70MHz, 16QAM | | | 64.501 | 71.70 |
| | 80MHz, BPSK | 216/0 | | 77.398 | 84.39 |
| | 80MHz, QPSK | | | 77.476 | 85.73 |
| | 80MHz, 16QAM | | | 77.454 | 84.59 |
| | 90MHz, BPSK | 243/0 | | 87.125 | 93.50 |
| | 90MHz, QPSK | | | 87.144 | 95.13 |
| | 90MHz, 16QAM | | | 87.074 | 94.72 |
| | 100MHz, BPSK | 270/0 | | 96.785 | 104.1 |
| | 100MHz, QPSK | | | 96.612 | 105.9 |
| | 100MHz, 16QAM | | | 96.523 | 105.0 |
| | 100MHz, BPSK | 1/0 | | 0.5954 | 0.893 |



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**LTE BAND 48**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 48 | 5MHz, QPSK | 25/0 | 3625.0 | 4.4897 | 5.230 |
| | 5MHz, 16QAM | | | 4.4884 | 5.182 |
| | 10MHz, QPSK | 50/0 | | 8.9758 | 10.220 |
| | 10MHz, 16QAM | | | 9.022 | 9.972 |
| | 15MHz, QPSK | 75/0 | | 13.427 | 14.720 |
| | 15MHz, 16QAM | | | 13.406 | 14.550 |
| | 20MHz, QPSK | 100/0 | | 17.902 | 18.850 |
| | 20MHz, 16QAM | | | 17.931 | 18.900 |
| | 20MHz, QPSK | 1/0 | | 0.2739 | 0.389 |

**5G NR n48**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n48 (FCC) | 10MHz, BPSK | 24/0 | 3625.0 | 8.6044 | 9.643 |
| | 10MHz, QPSK | | | 8.6318 | 9.648 |
| | 10MHz, 16QAM | | | 8.5934 | 9.334 |
| | 15MHz, BPSK | 36/0 | | 12.869 | 13.770 |
| | 15MHz, QPSK | | | 12.828 | 14.660 |
| | 15MHz, 16QAM | | | 12.954 | 14.170 |
| | 20MHz, BPSK | 50/0 | | 17.795 | 18.700 |
| | 20MHz, QPSK | | | 17.898 | 19.140 |
| | 20MHz, 16QAM | | | 17.910 | 18.680 |
| | 30MHz, BPSK | 75/0 | | 26.795 | 27.990 |
| | 30MHz, QPSK | | | 26.827 | 27.910 |
| | 30MHz, 16QAM | | | 26.895 | 28.620 |
| | 40MHz, BPSK | 100/0 | | 35.681 | 37.910 |
| | 40MHz, QPSK | | | 35.695 | 37.680 |
| | 40MHz, 16QAM | | | 35.737 | 37.590 |
| | 40MHz, BPSK | 1/0 | | 0.4781 | 0.750 |



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**LTE BAND 66**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 66 | 1.4MHz, QPSK | 6/0 | 1745.0 | 1.0884 | 1.340 |
| | 1.4MHz,16QAM | | | 1.0906 | 1.320 |
| | 3MHz, QPSK | 15/0 | | 2.6878 | 2.997 |
| | 3MHz, 16QAM | | | 2.6987 | 3.063 |
| | 5MHz, QPSK | 25/0 | | 4.5017 | 5.337 |
| | 5MHz, 16QAM | | | 4.4995 | 5.287 |
| | 10MHz, QPSK | 50/0 | | 8.9943 | 10.300 |
| | 10MHz, 16QAM | | | 8.9783 | 10.310 |
| | 15MHz, QPSK | 75/0 | | 13.453 | 15.220 |
| | 15MHz, 16QAM | | | 13.480 | 15.140 |
| | 20MHz, QPSK | 100/0 | | 17.928 | 19.900 |
| | 20MHz, 16QAM | | | 17.913 | 19.780 |
| | 20MHz, QPSK | 1/0 | | 0.2449 | 0.3780 |

**5G NR n66**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n66 | 5MHz, BPSK | 25/0 | 1745.0 | 4.5015 | 5.227 |
| | 5MHz, QPSK | | | 4.5031 | 5.229 |
| | 5MHz, 16QAM | | | 4.5135 | 5.336 |
| | 10MHz, BPSK | 50/0 | | 8.9816 | 9.976 |
| | 10MHz, QPSK | | | 8.9934 | 9.971 |
| | 10MHz, 16QAM | | | 8.9617 | 9.930 |
| | 15MHz, BPSK | 75/0 | | 13.470 | 14.600 |
| | 15MHz, QPSK | | | 13.452 | 14.490 |
| | 15MHz, 16QAM | | | 13.441 | 14.510 |
| | 20MHz, BPSK | 100/0 | | 17.896 | 19.120 |
| | 20MHz, QPSK | | | 17.904 | 19.300 |
| | 20MHz, 16QAM | | | 17.857 | 19.120 |
| | 25MHz, BPSK | 128/0 | | 22.951 | 24.840 |
| | 25MHz, QPSK | | | 22.952 | 24.920 |
| | 25MHz, 16QAM | | | 23.029 | 25.090 |
| | 30MHz, BPSK | 160/0 | | 28.688 | 32.100 |
| | 30MHz, QPSK | | | 28.714 | 31.980 |
| | 30MHz, 16QAM | | | 28.718 | 31.930 |
| | 40MHz, BPSK | 216/0 | | 38.698 | 42.170 |
| | 40MHz, QPSK | | | 38.735 | 42.730 |
| | 40MHz, 16QAM | | | 38.647 | 42.580 |
| | 40MHz, BPSK | 1/0 | | 0.2480 | 0.477 |



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**5G NR n70**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n70 | 5MHz, BPSK | 25/0 | 1702.5 | 4.4911 | 5.213 |
| | 5MHz, QPSK | | | 4.5049 | 5.244 |
| | 5MHz, 16QAM | | | 4.4965 | 5.182 |
| | 10MHz, BPSK | 50/0 | | 8.9834 | 9.980 |
| | 10MHz, QPSK | | | 8.9873 | 9.913 |
| | 10MHz, 16QAM | | | 8.9893 | 9.903 |
| | 15MHz, BPSK | 75/0 | | 13.442 | 14.500 |
| | 15MHz, QPSK | | | 13.422 | 14.500 |
| | 15MHz, 16QAM | | | 13.405 | 14.560 |
| | 15MHz, BPSK | 1/0 | | 0.2337 | 0.371 |

**LTE BAND 71**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| LTE BAND 71 | 5MHz, QPSK | 25/0 | 680.5 | 4.5114 | 5.275 |
| | 5MHz, 16QAM | | | 4.5115 | 5.231 |
| | 10MHz, QPSK | 50/0 | | 8.9832 | 10.480 |
| | 10MHz, 16QAM | | | 8.9973 | 10.300 |
| | 15MHz, QPSK | 75/0 | | 13.479 | 15.240 |
| | 15MHz, 16QAM | | | 13.447 | 15.300 |
| | 20MHz, QPSK | 100/0 | | 17.905 | 19.860 |
| | 20MHz, 16QAM | | | 17.905 | 19.880 |
| | 20MHz, QPSK | 1/0 | | 0.2706 | 0.480 |

**5G NR n71**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n71 | 5MHz, BPSK | 25/0 | 680.5 | 4.4827 | 5.181 |
| | 5MHz, QPSK | | | 4.5076 | 5.385 |
| | 5MHz, 16QAM | | | 4.4791 | 5.132 |
| | 10MHz, BPSK | 50/0 | | 8.9561 | 9.859 |
| | 10MHz, QPSK | | | 8.9974 | 10.010 |
| | 10MHz, 16QAM | | | 8.9497 | 9.803 |
| | 15MHz, BPSK | 75/0 | | 13.467 | 14.530 |
| | 15MHz, QPSK | | | 13.438 | 14.570 |
| | 15MHz, 16QAM | | | 13.450 | 14.570 |
| | 20MHz, BPSK | 100/0 | | 17.907 | 19.080 |
| | 20MHz, QPSK | | | 17.863 | 19.150 |
| | 20MHz, 16QAM | | | 17.861 | 19.010 |
| | 20MHz, BPSK | 1/0 | | 0.2393 | 0.384 |



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**5G NR n77(Part 27 3450-3550MHz) HPUE**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n77 (Part 27 3450-3550MHz) | 10MHz, BPSK | 24/0 | 3500.0 | 8.6790 | 10.16 |
| | 10MHz, QPSK | | | 8.6371 | 10.33 |
| | 10MHz, 16QAM | | | 8.6390 | 10.14 |
| | 15MHz, BPSK | 36/0 | | 12.925 | 14.75 |
| | 15MHz, QPSK | | | 12.903 | 14.61 |
| | 15MHz, 16QAM | | | 12.924 | 14.75 |
| | 20MHz, BPSK | 50/0 | | 17.957 | 19.77 |
| | 20MHz, QPSK | | | 17.879 | 19.80 |
| | 20MHz, 16QAM | | | 17.937 | 19.71 |
| | 25MHz, BPSK | 64/0 | | 22.982 | 24.05 |
| | 25MHz, QPSK | | | 23.014 | 25.41 |
| | 25MHz, 16QAM | | | 23.092 | 24.60 |
| | 30MHz, BPSK | 75/0 | | 26.883 | 28.98 |
| | 30MHz, QPSK | | | 26.860 | 29.25 |
| | 30MHz, 16QAM | | | 26.905 | 29.10 |
| | 40MHz, BPSK | 100/0 | | 35.769 | 38.27 |
| | 40MHz, QPSK | | | 35.816 | 38.62 |
| | 40MHz, 16QAM | | | 35.819 | 38.52 |
| | 50MHz, BPSK | 128/0 | | 45.874 | 49.45 |
| | 50MHz, QPSK | | | 45.850 | 49.72 |
| | 50MHz, 16QAM | | | 45.756 | 49.74 |
| | 60MHz, BPSK | 162/0 | | 58.008 | 64.36 |
| | 60MHz, QPSK | | | 57.990 | 64.05 |
| | 60MHz, 16QAM | | | 58.014 | 65.64 |
| | 70MHz, BPSK | 180/0 | | 64.487 | 71.29 |
| | 70MHz, QPSK | | | 64.474 | 71.36 |
| | 70MHz, 16QAM | | | 64.411 | 70.81 |
| | 80MHz, BPSK | 216/0 | | 77.476 | 85.09 |
| | 80MHz, QPSK | | | 77.354 | 83.58 |
| | 80MHz, 16QAM | | | 77.163 | 84.57 |
| | 90MHz, BPSK | 243/0 | | 85.868 | 92.94 |
| | 90MHz, QPSK | | | 85.825 | 93.08 |
| | 90MHz, 16QAM | | | 85.634 | 93.02 |
| | 100MHz, BPSK | 270/0 | | 96.681 | 105.3 |
| | 100MHz, QPSK | | | 96.767 | 105.2 |
| | 100MHz, 16QAM | | | 96.709 | 104.5 |
| | 100MHz, BPSK | 1/0 | | 0.5956 | 0.835 |




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**5G NR n77(Part 27 3700-3980MHz) HPUE**

| Band | Mode | RB Allocation/RB Offset | f(MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|---|---|---|---|---|---|
| 5G NR n77 (FCC Part 27 3700-3980MHz) | 10MHz, BPSK | 24/0 | 3840.0 | 8.5569 | 10.08 |
| | 10MHz, QPSK | | | 8.6371 | 9.271 |
| | 10MHz, 16QAM | | | 8.6334 | 9.598 |
| | 15MHz, BPSK | 36/0 | | 12.808 | 14.26 |
| | 15MHz, QPSK | | | 12.895 | 13.64 |
| | 15MHz, 16QAM | | | 12.822 | 13.54 |
| | 20MHz, BPSK | 50/0 | | 17.894 | 18.87 |
| | 20MHz, QPSK | | | 17.842 | 19.04 |
| | 20MHz, 16QAM | | | 17.793 | 18.58 |
| | 25MHz, BPSK | 64/0 | | 22.946 | 25.00 |
| | 25MHz, QPSK | | | 22.951 | 24.45 |
| | 25MHz, 16QAM | | | 22.862 | 23.98 |
| | 30MHz, BPSK | 75/0 | | 26.703 | 28.16 |
| | 30MHz, QPSK | | | 26.745 | 28.30 |
| | 30MHz, 16QAM | | | 26.805 | 28.77 |
| | 40MHz, BPSK | 100/0 | | 35.817 | 37.61 |
| | 40MHz, QPSK | | | 35.881 | 37.38 |
| | 40MHz, 16QAM | | | 35.459 | 37.24 |
| | 50MHz, BPSK | 128/0 | | 45.839 | 47.74 |
| | 50MHz, QPSK | | | 45.692 | 48.33 |
| | 50MHz, 16QAM | | | 45.810 | 49.31 |
| | 60MHz, BPSK | 162/0 | | 57.435 | 61.19 |
| | 60MHz, QPSK | | | 57.684 | 62.88 |
| | 60MHz, 16QAM | | | 57.913 | 61.75 |
| | 70MHz, BPSK | 180/0 | | 64.083 | 68.89 |
| | 70MHz, QPSK | | | 64.437 | 69.22 |
| | 70MHz, 16QAM | | | 64.443 | 69.14 |
| | 80MHz, BPSK | 216/0 | | 77.131 | 82.12 |
| | 80MHz, QPSK | | | 77.092 | 85.13 |
| | 80MHz, 16QAM | | | 76.849 | 80.62 |
| | 90MHz, BPSK | 243/0 | | 87.056 | 92.53 |
| | 90MHz, QPSK | | | 86.563 | 92.36 |
| | 90MHz, 16QAM | | | 86.583 | 90.75 |
| | 100MHz, BPSK | 270/0 | | 96.646 | 101.1 |
| | 100MHz, QPSK | | | 96.018 | 102.2 |
| | 100MHz, 16QAM | | | 96.214 | 101.0 |
| | 100MHz, BPSK | 1/0 | | 0.6920 | 1.053 |




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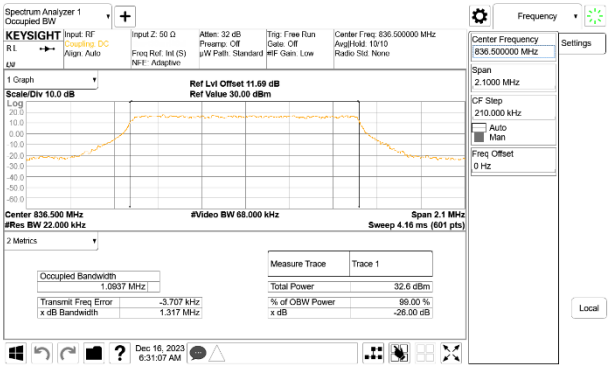
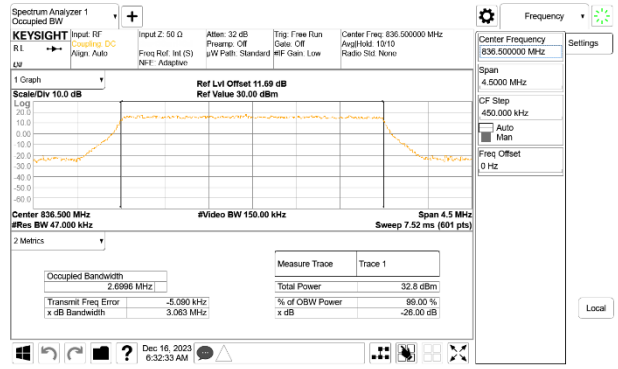
## 9.1.1. LTE BAND 5 AND 5G NR n5

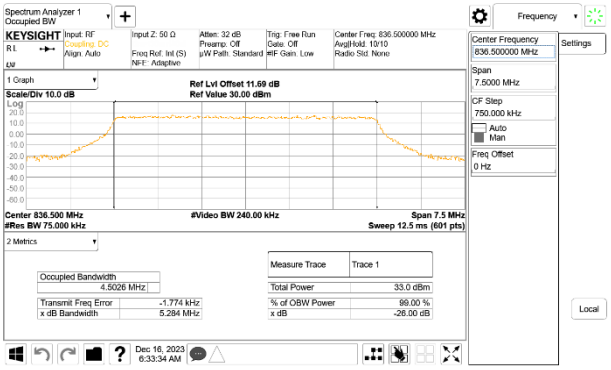
**LTE BAND 5**



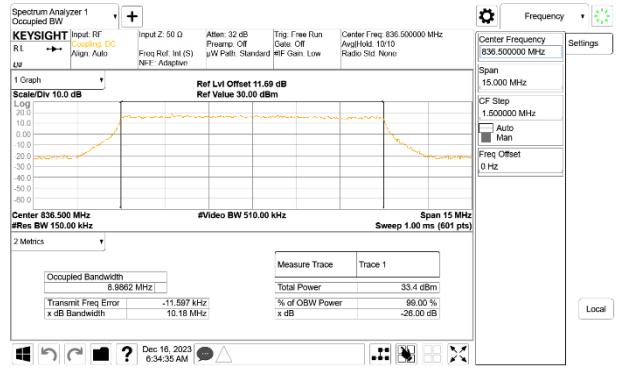

LTE B5 1.4MHz QPSK Middle Channel RB6-0, ID:27979



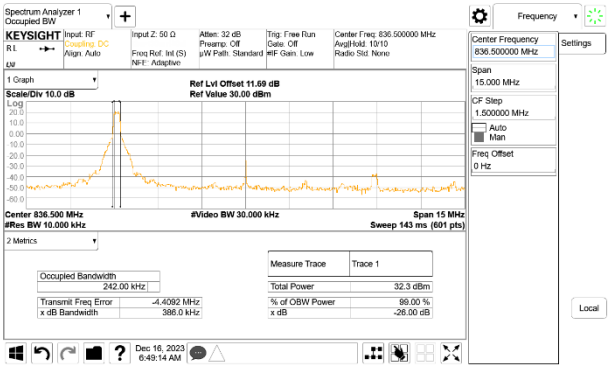

LTE B5 3MHz QPSK Middle Channel RB15-0, ID:27979




LTE B2 5MHz QPSK Middle Channel RB25-0, ID:27979




LTE B5 10MHz QPSK Middle Channel RB50-0, ID:27979




LTE B5 10MHz QPSK Middle Channel RB1-0, ID:27979

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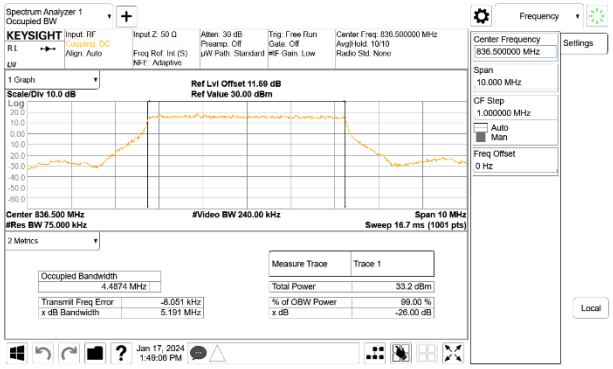
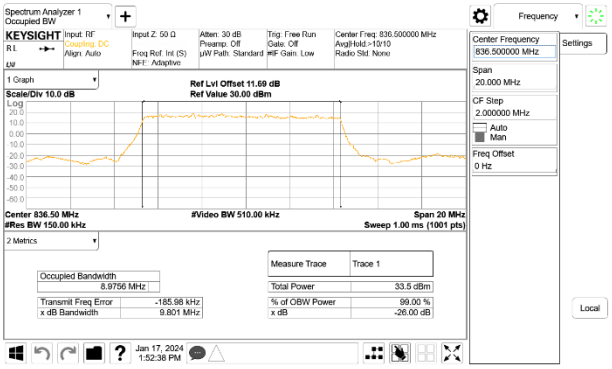
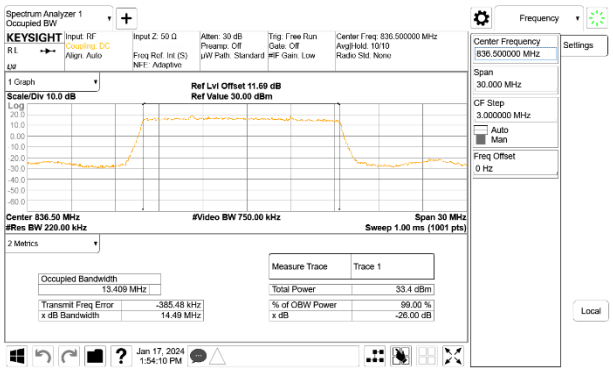
**5G NR n5**



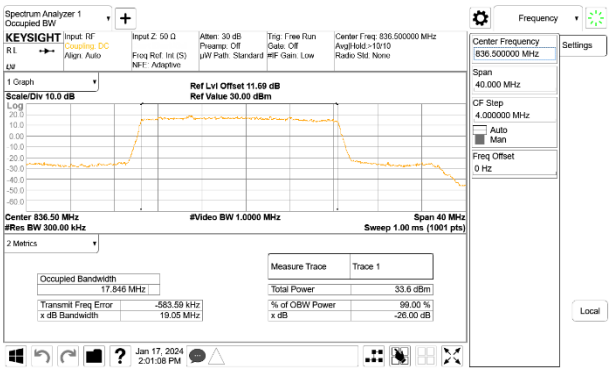

5G NR n5 5MHz BPSK Middle Channel RB25-0, ID:27966



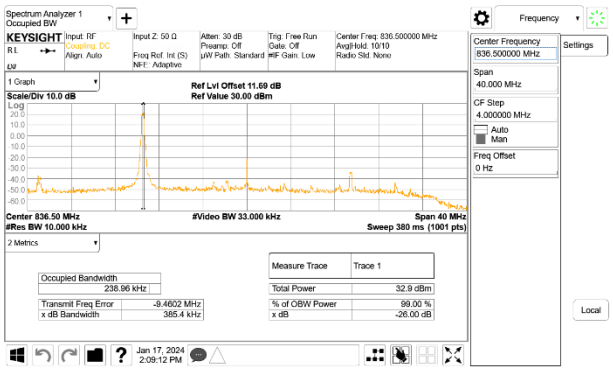

5G NR n5 10MHz BPSK Middle Channel RB50-0, ID:27966




5G NR n5 15MHz BPSK Middle Channel RB75-0, ID:27966




5G NR n5 20MHz BPSK Middle Channel RB100-0, ID:27966




5G NR n5 20MHz BPSK Middle Channel RB1-0, ID:27966

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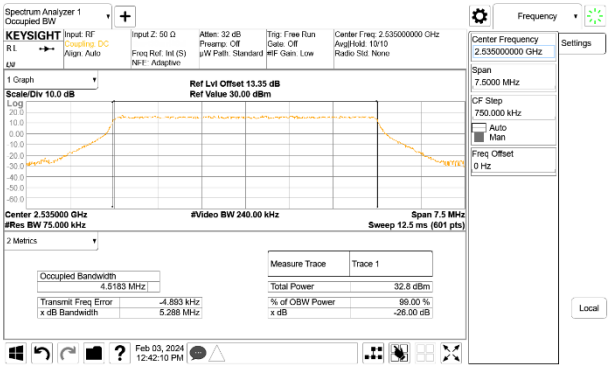
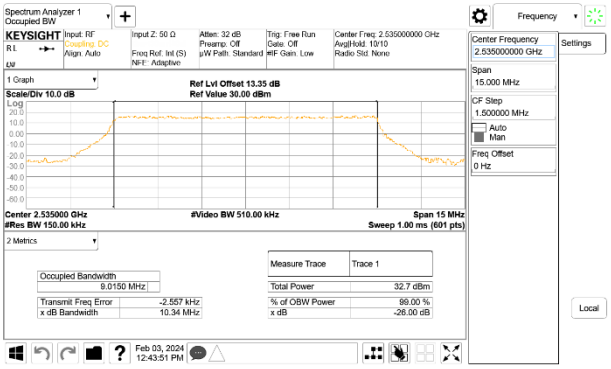
## 9.1.2. LTE BAND 7 AND 5G NR n7

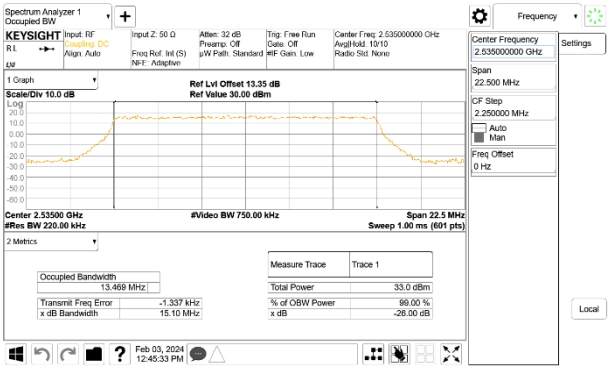
**LTE BAND 7**



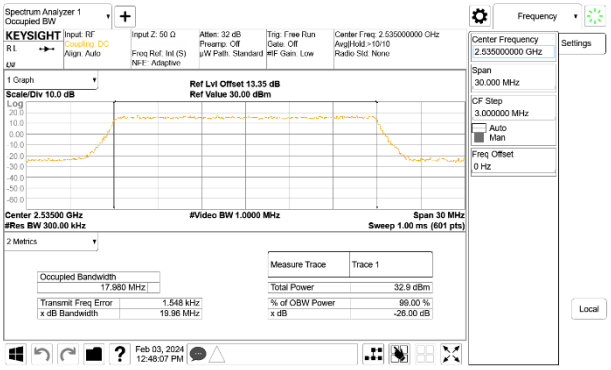

LTE B7 5MHz QPSK Middle Channel RB25-0, ID:39005



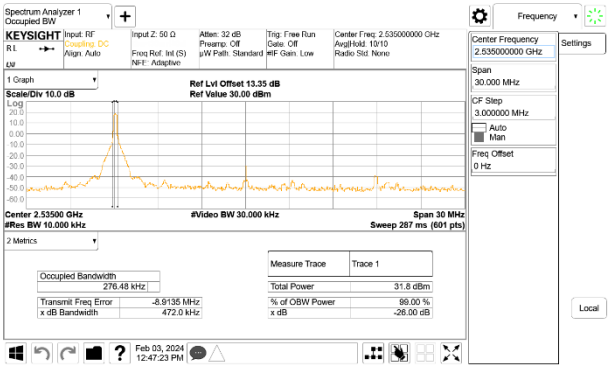

LTE B7 10MHz QPSK Middle Channel RB50-0, ID:39005




LTE B7 15MHz QPSK Middle Channel RB75-0, ID:39005




LTE B7 20MHz QPSK Middle Channel RB100-0, ID:39005




LTE B7 20MHz QPSK Middle Channel RB1-0, ID:39005

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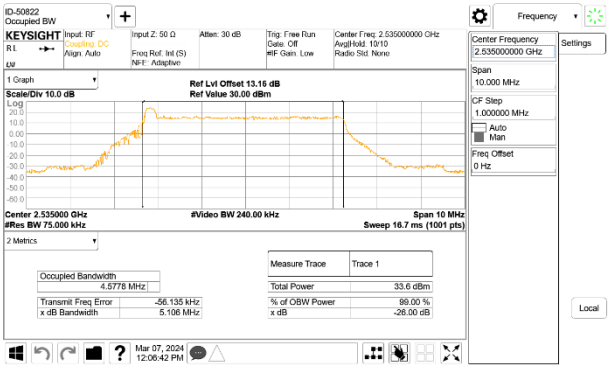
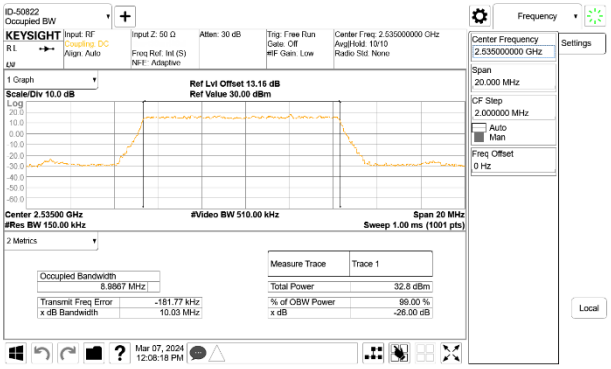
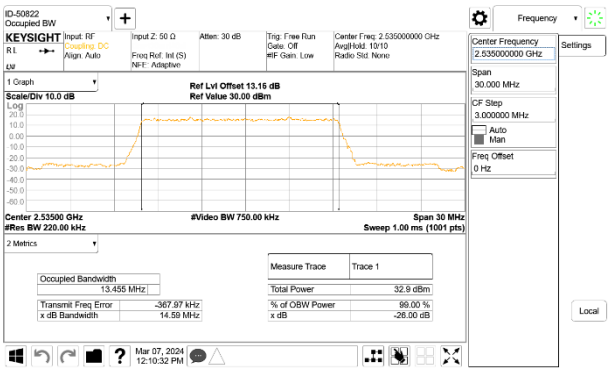
**5G NR n7**



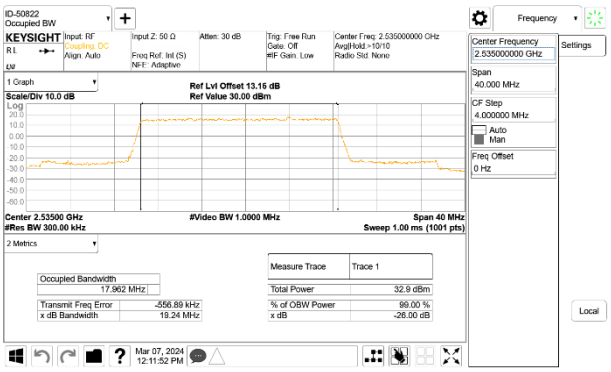

5G NR n7 5MHz BPSK Middle Channel RB25-0, ID:50822



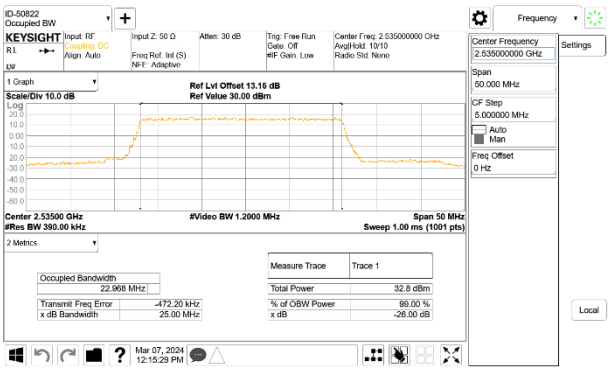

5G NR n7 10MHz BPSK Middle Channel RB50-0, ID:50822



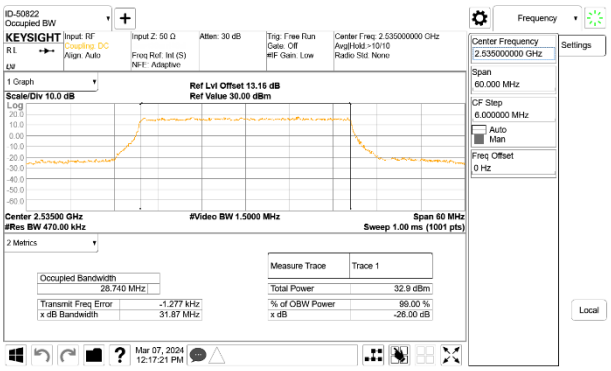

5G NR n7 15MHz BPSK Middle Channel RB75-0, ID:50822




5G NR n7 20MHz BPSK Middle Channel RB100-0, ID:50822




5G NR n7 25MHz BPSK Middle Channel RB128-0, ID:50822




5G NR n7 30MHz BPSK Middle Channel RB160-0, ID:50822



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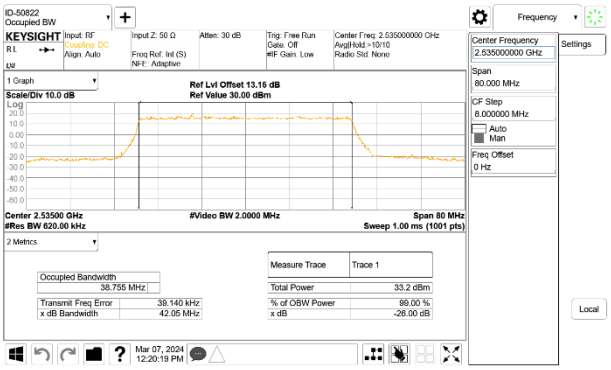
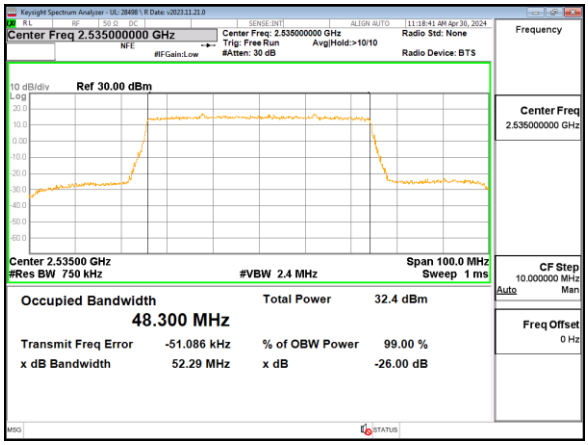
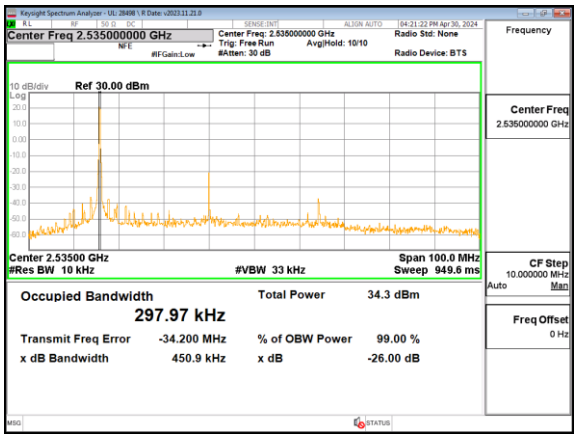



5G NR n7 40MHz BPSK Middle Channel RB216-0, ID:50822




5G NR n7 50MHz BPSK Middle Channel RB270-0, ID:28498




5G NR n7 50MHz BPSK Middle Channel RB1-0, ID:28498

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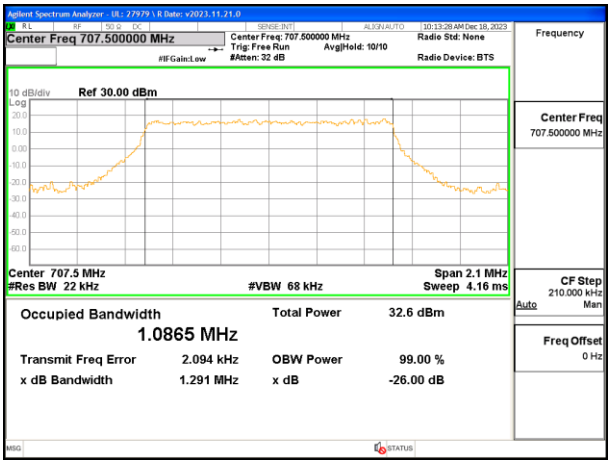
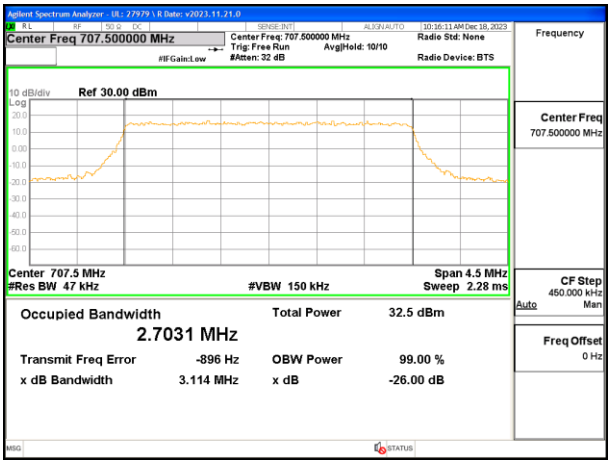
## 9.1.3. LTE BAND 12 AND 5G NR n12

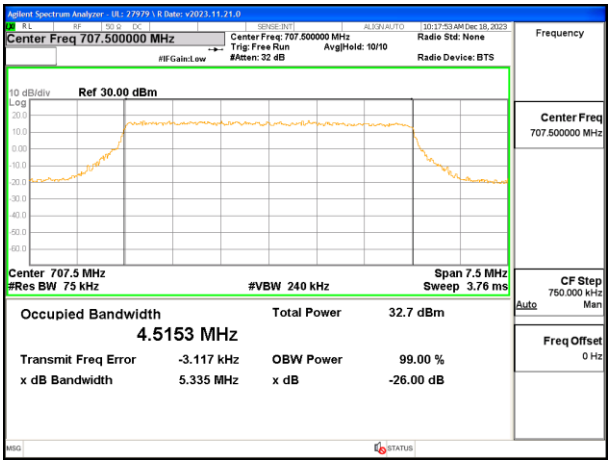
**LTE BAND 12**



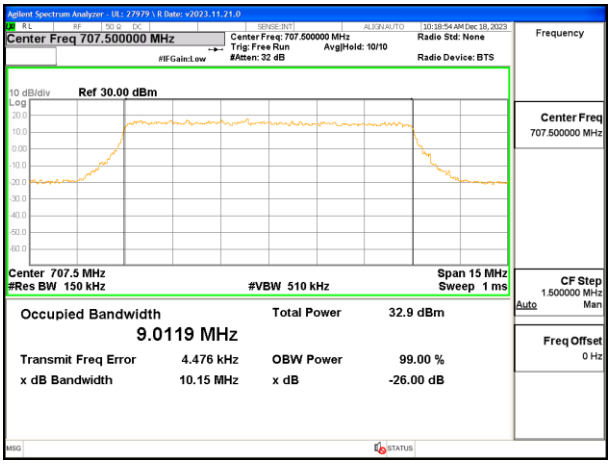

LTE B12 1.4MHz QPSK Middle Channel RB6-0



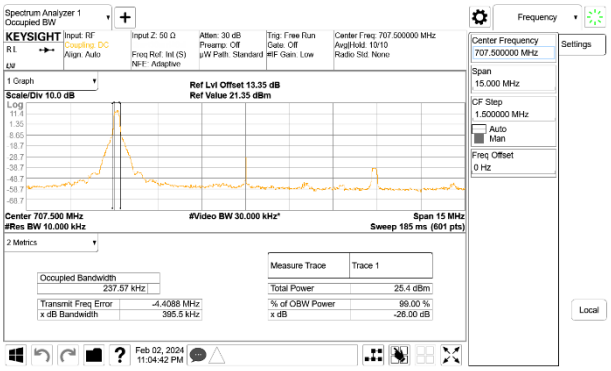

LTE B12 3MHz QPSK Middle Channel RB15-0




LTE B12 5MHz QPSK Middle Channel RB25-0




LTE B12 10MHz QPSK Middle Channel RB50-0




LTE B12 10MHz QPSK Middle Channel RB1-0, ID:39005

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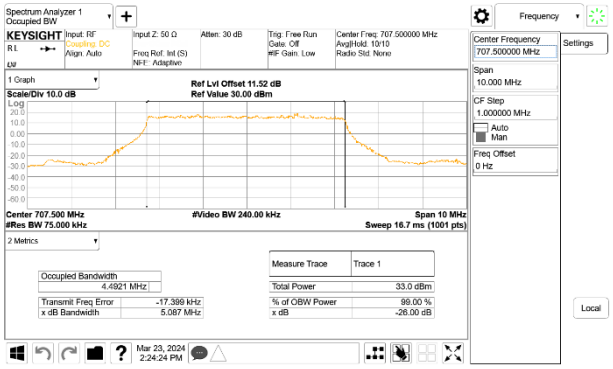
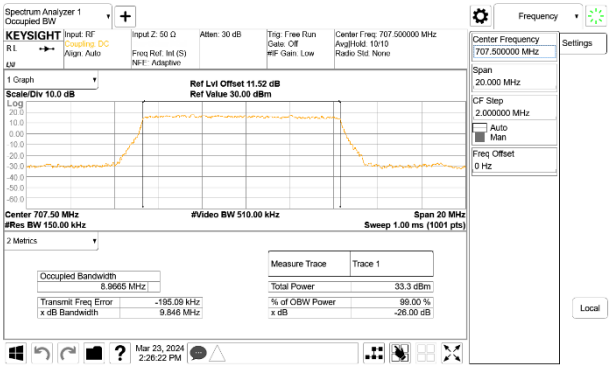
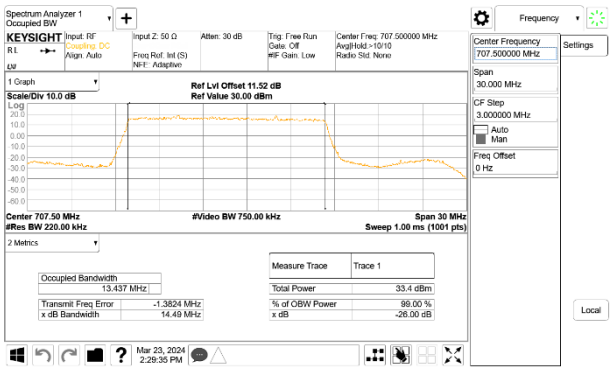
**5G NR n12**



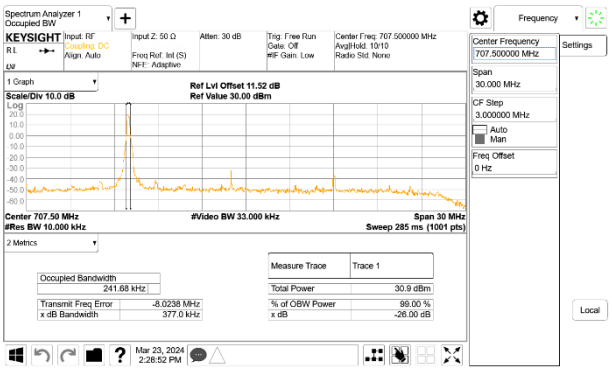

5G NR n12 5MHz BPSK Middle Channel RB25-0, ID:50822




5G NR n12 10MHz BPSK Middle Channel RB50-0, ID:50822




5G NR n12 15MHz BPSK Middle Channel RB75-0, ID:50822




5G NR n12 15MHz BPSK Middle Channel RB1-0, ID:50822



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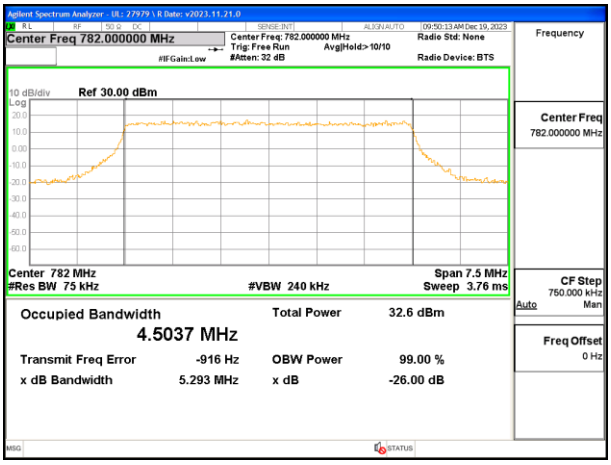
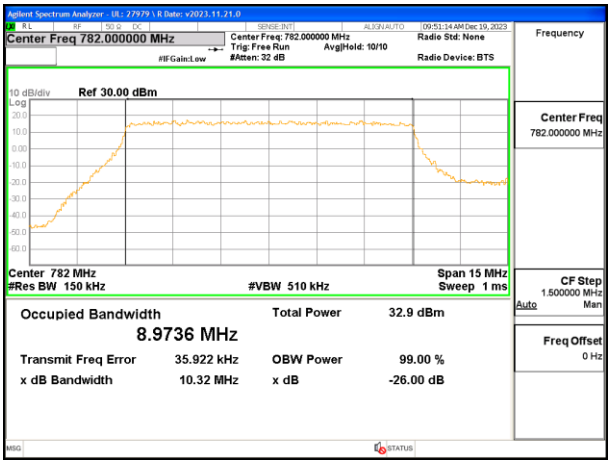
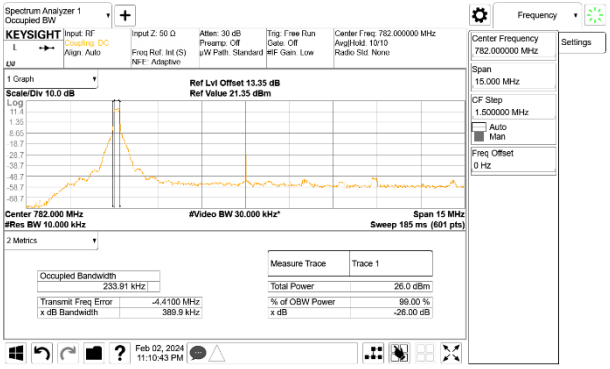
## 9.1.4. LTE BAND 13




LTE B13 5MHz QPSK Middle Channel RB25-0




LTE B13 10MHz QPSK Middle Channel RB50-0




LTE B13 10MHz QPSK Middle Channel RB1-0, ID:27979

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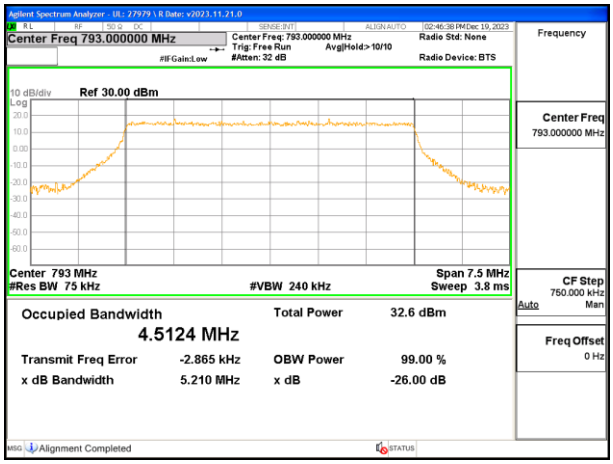
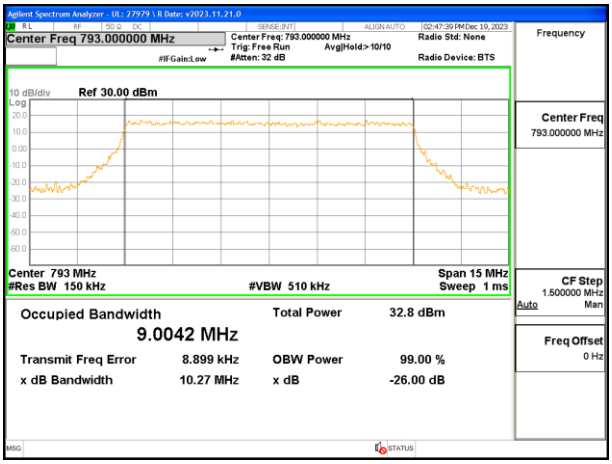
## 9.1.5. LTE BAND 14 AND 5G NR n14

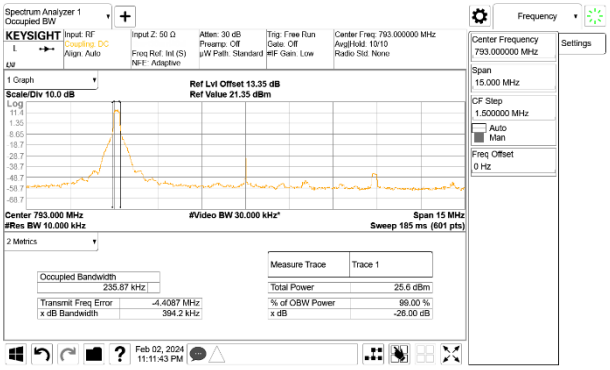
**LTE BAND 14**




LTE B14 5MHz QPSK Middle Channel RB25-0




LTE B14 10MHz QPSK Middle Channel RB50-0




LTE B14 10MHz QPSK Middle Channel RB1-0, ID:27979

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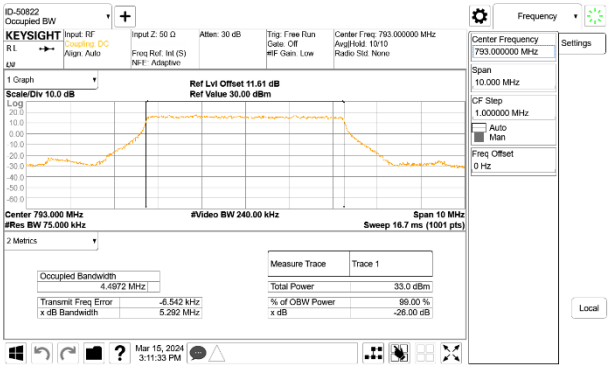
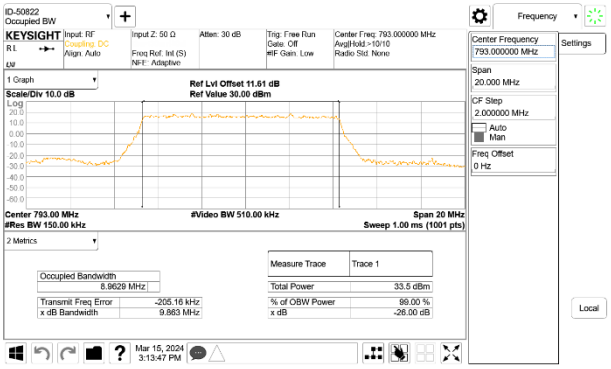
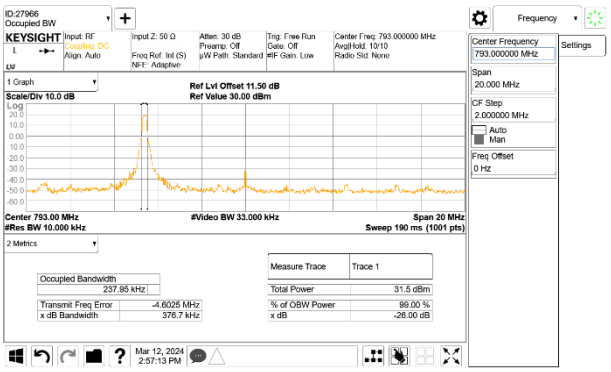
**5G NR n14**




5G NR n14 5MHz BPSK Middle Channel RB25-0, ID:50822




5G NR n14 10MHz BPSK Middle Channel RB50-0, ID:50822




5G NR n14 10MHz BPSK Middle Channel RB1-0, ID:50822

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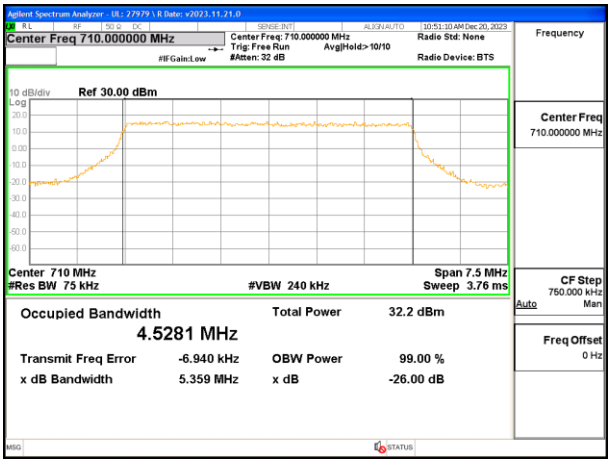
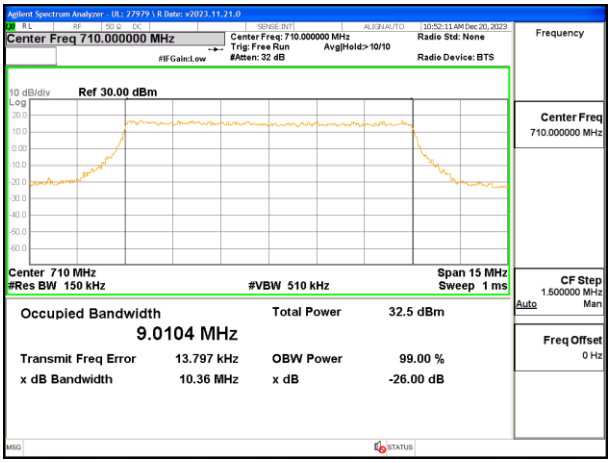
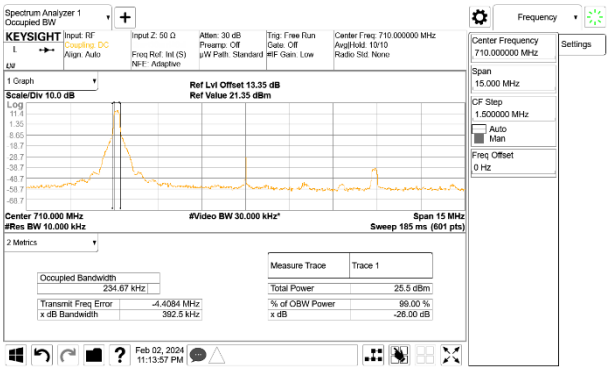
## 9.1.6. LTE BAND 17




LTE B17 5MHz QPSK Middle Channel RB25-0




LTE B17 10MHz QPSK Middle Channel RB50-0




LTE B17 10MHz QPSK Middle Channel RB1-0, ID:27979

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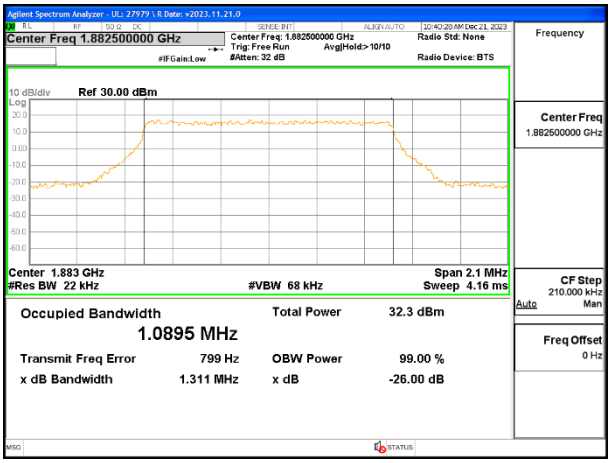
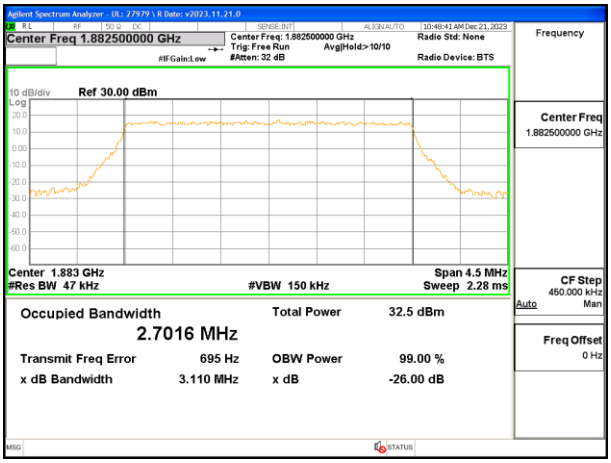
## 9.1.7. LTE BAND 25 AND 5G NR n25

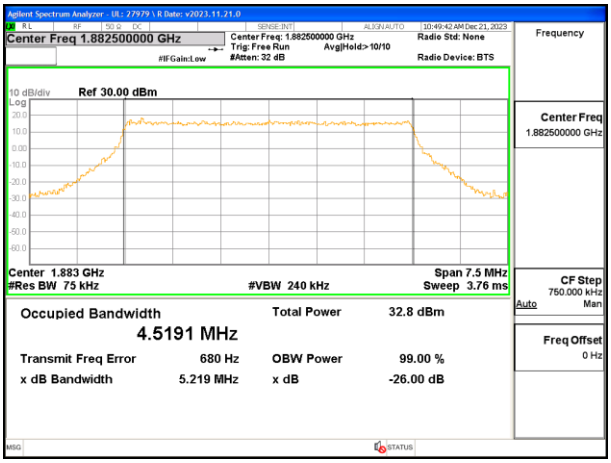
**LTE BAND 25**



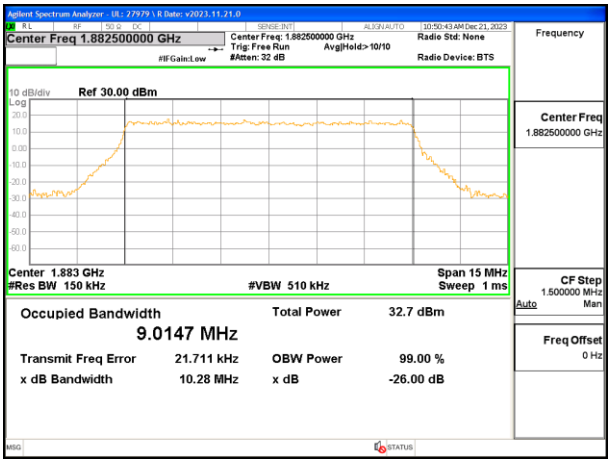

LTE B25 1.4MHz QPSK Middle Channel RB6-0



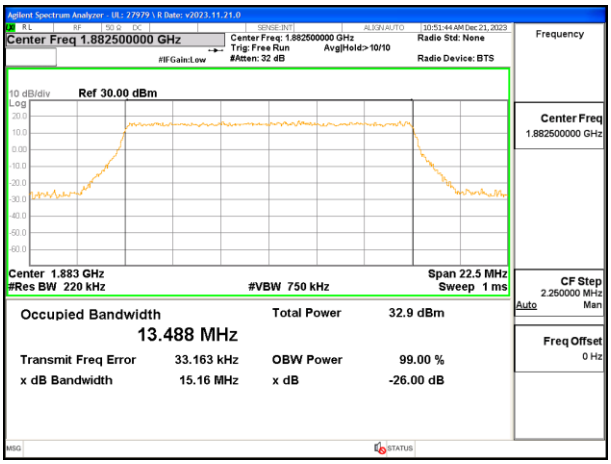

LTE B25 3MHz QPSK Middle Channel RB15-0



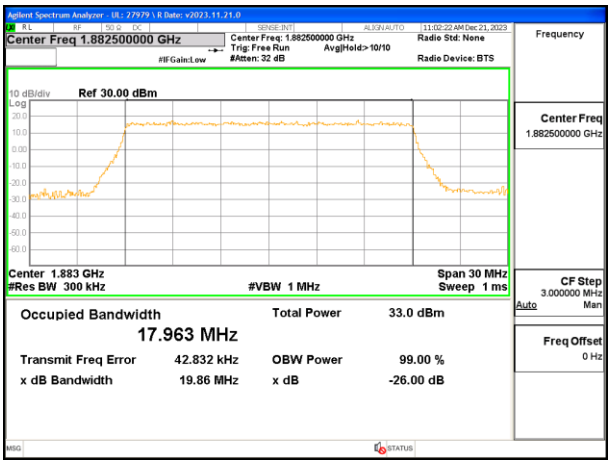

LTE B25 5MHz QPSK Middle Channel RB25-0




LTE B25 10MHz QPSK Middle Channel RB50-0




LTE B25 15MHz QPSK Middle Channel RB75-0




LTE B25 20MHz QPSK Middle Channel RB100-0



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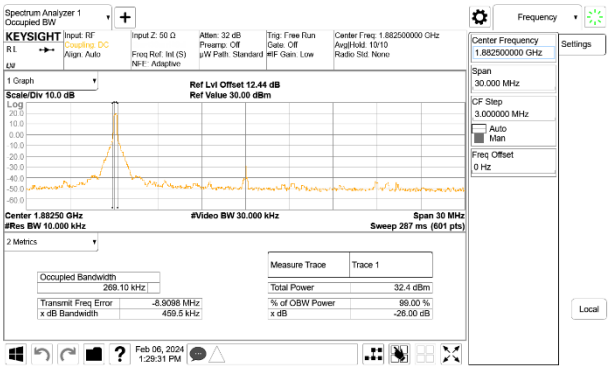


LTE B25 20MHz QPSK Middle Channel RB1-0, ID:39005

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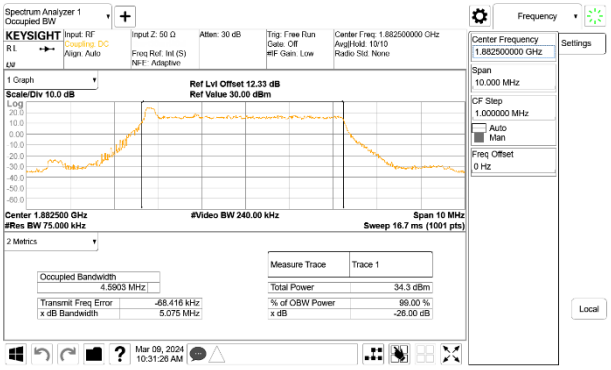
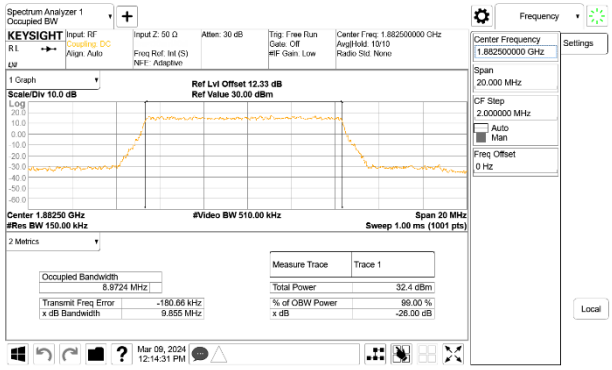
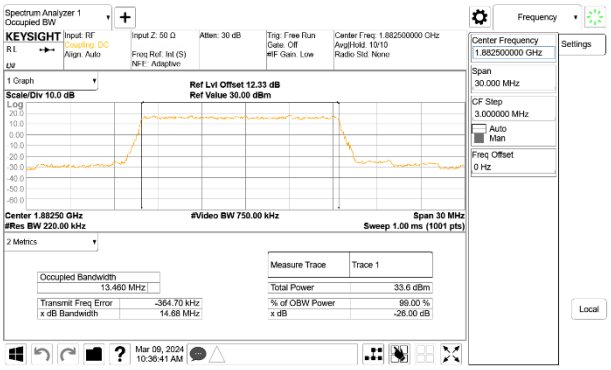
## 5G NR n25



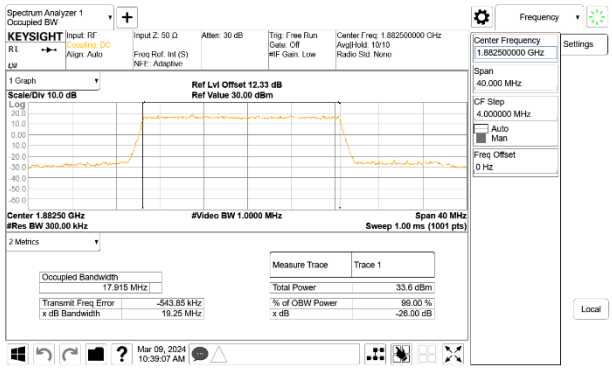

5G NR n25 5MHz BPSK Middle Channel RB25-0, ID:50822




5G NR n25 10MHz BPSK Middle Channel RB50-0, ID:50822




5G NR n25 15MHz BPSK Middle Channel RB75-0, ID:50822




5G NR n25 20MHz BPSK Middle Channel RB100-0, ID:50822



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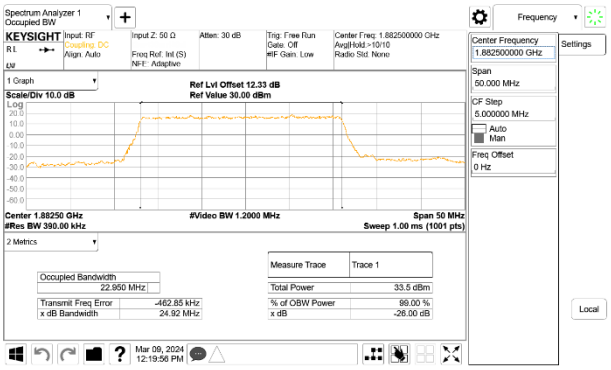
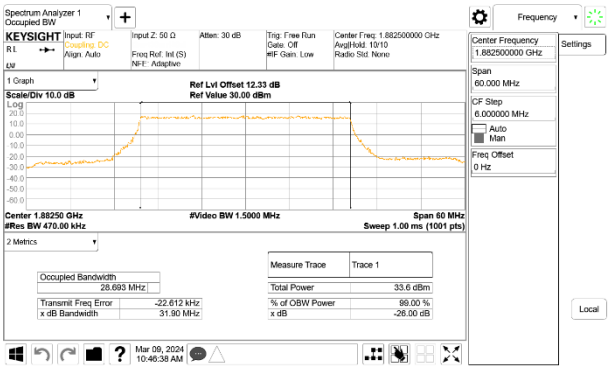
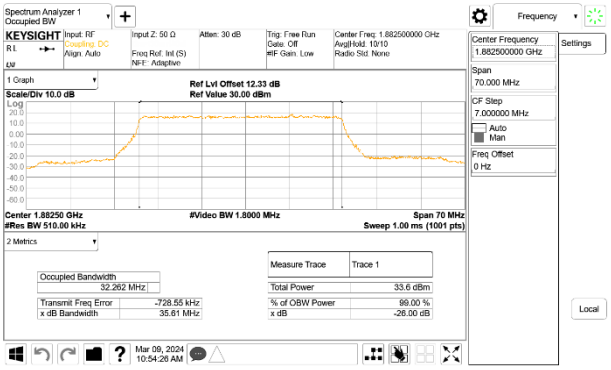


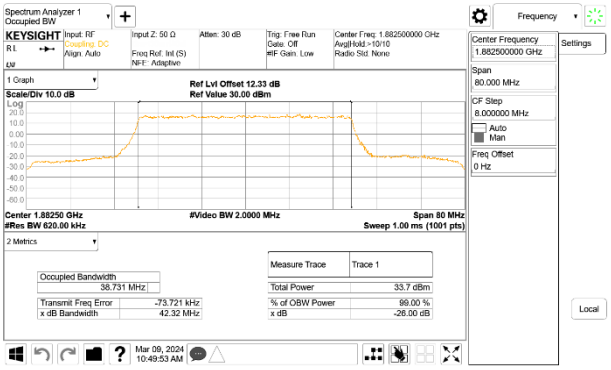

5G NR n25 25MHz BPSK Middle Channel RB128-0, ID:50822



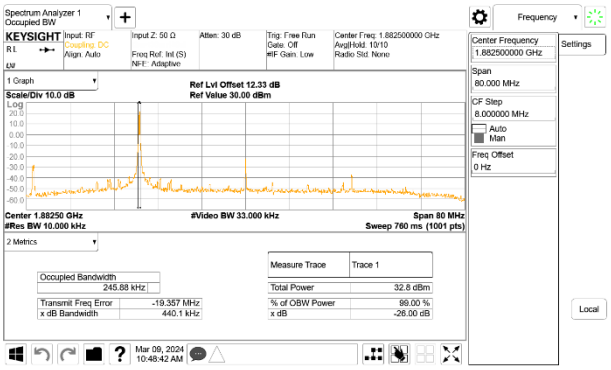

5G NR n25 30MHz BPSK Middle Channel RB160-0, ID:50822




5G NR n25 35MHz BPSK Middle Channel RB180-0, ID:50822




5G NR n25 40MHz BPSK Middle Channel RB216-0, ID:50822




5G NR n25 40MHz BPSK Middle Channel RB1-0, ID:50822

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