

FCC SAR TEST REPORT

FCC ID : 2ABZ2-EE103
Equipment : Smart Phone
Brand Name : ONEPLUS
Model Name : IN2015
Applicant : OnePlus Technology (Shenzhen) Co., Ltd
18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building,
Binhe Avenue North, Futian District, Shenzhen
Manufacturer : OnePlus Technology (Shenzhen) Co., Ltd
18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building,
Binhe Avenue North, Futian District, Shenzhen
Standard : FCC 47 CFR Part 2 (2.1093)
ANSI/IEEE C95.1-1992
IEEE 1528-2013

The product was received on Dec. 08, 2019 and testing was started from Dec. 18, 2019 and completed on Mar. 09, 2020. We, SPORTON INTERNATIONAL (ShenZhen) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (ShenZhen) Inc., the test report shall not be reproduced except in full.



Reviewed by: Long Liang / Supervisor



Approved by: Johnny Chen / Manager



Sporton International (ShenZhen) Inc.

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People's Republic of China



Table of Contents

1. Statement of Compliance 4
2. Administration Data 5
3. Guidance Applied..... 5
4. Equipment Under Test (EUT) Information..... 6
4.1 General Information 6
4.2 General LTE SAR Test and Reporting Considerations 8
5. Proximity Sensor Triggering Test.....11
6. RF Exposure Limits.....12
6.1 Uncontrolled Environment.....12
6.2 Controlled Environment.....12
7. Specific Absorption Rate (SAR).....13
7.1 Introduction13
7.2 SAR Definition.....13
8. System Description and Setup14
8.1 E-Field Probe15
8.2 Data Acquisition Electronics (DAE)15
8.3 Phantom.....16
8.4 Device Holder.....17
9. Measurement Procedures18
9.1 Spatial Peak SAR Evaluation18
9.2 Power Reference Measurement.....19
9.3 Area Scan19
9.4 Zoom Scan.....20
9.5 Volume Scan Procedures20
9.6 Power Drift Monitoring.....20
10. Test Equipment List.....21
11. System Verification22
11.1 Tissue Simulating Liquids22
11.2 Tissue Verification23
11.3 System Performance Check Results24
12. RF Exposure Positions26
12.1 Ear and handset reference point.....26
12.2 Definition of the cheek position27
12.3 Definition of the tilt position28
12.4 Body Worn Accessory28
12.5 Product Specific Exposure29
12.6 Wireless Router.....29
13. GSM/UMTS/CDMA/LTE Output Power (Unit: dBm).....30
14. 5G NR Output Power (Unit: dBm)339
15. WiFi/Bluetooth Output Power (Unit: dBm).....366
16. Antenna Location401
17. SAR Test Results402
17.1 Head SAR402
17.2 Hotspot SAR418
17.3 Body Worn Accessory SAR.....433
17.4 Product Specific SAR.....441
17.5 Repeated SAR Measurement445
17.6 TDD B41 Linearity Data Analysis446
18. Simultaneous Transmission Analysis.....447
18.1 Head Exposure Conditions448
18.2 Hotspot Exposure Conditions.....454
18.3 Body-Worn Accessory Exposure Conditions463
18.4 Product Specific Exposure Conditions467
18.5 Inter-Band uplink CA consideration471
18.6 5G NR EN-DC consideration.....476
19. Supplemental tuner tests results.....489
20. Uncertainty Assessment500
21. References500
Appendix A. Plots of System Performance Check
Appendix B. Plots of High SAR Measurement
Appendix C. DASY Calibration Certificate
Appendix D. Test Setup Photos



History of this test report

| Report No. | Version | Description | Issued Date |
|-------------|---------|-------------------------|---------------|
| FA9N2025-02 | 01 | Initial issue of report | Mar. 19, 2020 |
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1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for OnePlus Technology (Shenzhen) Co., Ltd, Smart Phone, IN2015, are as follows.

| Equipment Class | Frequency Band | Highest SAR Summary | | | | Highest Simultaneous Transmission 1g SAR (W/kg) |
|------------------|------------------|--------------------------|--------------------------------|------------------------------|--------------------------------------|--|
| | | Head (Separation 0mm) | Body-worn (Separation 15mm) | Hotspot (Separation 10mm) | Product Specific (Separation 0mm) | |
| | | 1g SAR (W/kg) | | | | |
| Licensed | GSM850 | 0.49 | 0.42 | 0.85 | | 1.59 |
| | GSM1900 | 0.45 | 0.35 | 0.64 | | |
| | WCDMA V | 0.66 | 0.40 | 0.86 | | |
| | WCDMA IV | 0.67 | 0.63 | 0.88 | 1.90 | |
| | WCDMA II | 0.74 | 0.64 | 0.84 | 1.65 | |
| | CDMA2000 BC0 | 0.68 | 0.33 | 0.72 | | |
| | CDMA2000 BC10 | 0.71 | 0.33 | 0.73 | | |
| | CDMA2000 BC1 | 0.80 | 0.78 | 0.82 | 2.11 | |
| | LTE Band 71 | 0.71 | 0.29 | 0.66 | | |
| | LTE Band 12 / 17 | 0.61 | 0.39 | 0.89 | | |
| | LTE Band 13 | 0.71 | 0.41 | 0.76 | | |
| | LTE Band 5 | 0.60 | 0.38 | 0.88 | | |
| | LTE Band 26 | 0.71 | 0.42 | 0.84 | 1.43 | |
| | LTE Band 4 / 66 | 0.74 | 0.65 | 0.92 | 2.13 | |
| | LTE Band 2 / 25 | 0.90 | 0.67 | 0.65 | 2.59 | |
| | LTE Band 30 | 0.90 | 0.75 | 0.92 | 1.84 | |
| | LTE Band 7 | 0.77 | 0.78 | 0.92 | 2.29 | |
| | LTE Band 38 / 41 | 0.76 | 0.51 | 0.92 | 1.99 | |
| | LTE Band 48 | 0.91 | 0.45 | 0.73 | 1.99 | |
| | N2 | 0.72 | 0.56 | 0.68 | | |
| N5 | 0.36 | 0.23 | 0.29 | | | |
| N41 | 0.75 | 0.49 | 0.72 | | | |
| N66 | 0.66 | 0.43 | 0.80 | | | |
| N71 | 0.28 | 0.26 | 0.23 | | | |
| DTS | 2.4GHz WLAN | 1.02 | 0.65 | 1.08 | 2.24 | 1.59 |
| NII | 5GHz WLAN | 0.56 | 0.97 | 1.06 | 2.51 | 1.59 |
| DSS | Bluetooth | 0.28 | 0.08 | 0.31 | | 1.54 |
| Date of Testing: | | 2019/12/18 ~ 2020/3/9 | | | | |

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6W/kg as averaged over any 1 gram of tissue; 10-gram SAR for Product Specific 10g SAR, limit: 4.0W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.



2. Administration Data

Sporton International (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

| Testing Laboratory | | |
|--------------------|--|--------------------------------|
| Test Firm | Sporton International (Shenzhen) Inc. | |
| Test Site Location | 1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595 | |
| Test Site No. | FCC Designation No. | FCC Test Firm Registration No. |
| | CN1256 | 421272 |

3. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 941225 D01 3G SAR Procedures v03r01
- FCC KDB 941225 D05 SAR for LTE Devices v02r05
- FCC KDB 941225 D05A Rel.10 LTE SAR Test Guidance v01r02
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01
- FCC KDB 941225 D07 UMPC Mini Tablet v01r02



4. Equipment Under Test (EUT) Information

4.1 General Information

| Product Feature & Specification | |
|---|--|
| Equipment Name | Smart Phone |
| Brand Name | ONEPLUS |
| Model Name | IN2015 |
| FCC ID | 2ABZ2-EE103 |
| IMEI Code | 990015750038119 |
| Wireless Technology and Frequency Range | GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz WCDMA Band IV: 1712.4 MHz ~ 1752.6 MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz CDMA2000 BC0: 824.7 MHz ~ 848.31 MHz CDMA 2000 BC1: 1851.25 MHz ~ 1908.75 MHz CDMA 2000 BC10: 817.9 MHz ~ 823.1 MHz LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz LTE Band 17: 706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7 MHz ~ 1914.3 MHz LTE Band 26: 814.7 MHz ~ 848.3 MHz LTE Band 30: 2307.5 MHz ~ 2312.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 48: 3552.5 MHz ~ 3697.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz 5G NR n2 : 1852.5 MHz ~ 1907.5 MHz 5G NR n5 : 826.5 MHz ~ 846.5 MHz 5G NR n41 : 2506.02 MHz ~ 2679.99MHz 5G NR n66 : 1712.5 MHz ~ 1777.5 MHz 5G NR n71 : 665.5 MHz ~ 695.5 MHz WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz |
| Mode | GSM/GPRS/EGPRS AMR / RMC 12.2Kbps HSDPA HSUPA DC-HSDPA HSPA+ (16QAM uplink) CDMA2000 : 1xRTT/1xEv-Do(Rel.0)/1xEv-Do(Rev.A) LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR : CP-OFDM / DFT-s-OFDM , PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM WLAN 2.4GHz : 802.11b/g/n /ax HT20/HT40/ HE20/HE40 WLAN 5GHz : 802.11a/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/HE20/HE40/HE80 Bluetooth BR/EDR/LE NFC:ASK |
| GSM / (E)GPRS Transfer mode | Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network. |
| HW Version | 15 |
| SW Version | Oxygen OS 10.5.IN21AA |
| EUT Stage | Production Unit |

Remark:

1. This device has WWAN UAT and LAT transmitter antennas which can refer to antenna location chapter.
2. The 2.4GHz/5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.
3. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
4. For WWAN UAT antenna, when the audio is actively routed through the earpiece receiver, and the LCD display is off, and the proximity sensor is triggered which indicating the next-to-head condition then power reduction will be implemented immediately at GSM850/GSM1900, WCDMA B2 / B4 / B5, CDMA BC0/BC1/BC10, LTE B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B30 / B38 / B41 / B48 / B66 / B71 and 5G NR n2/n5/n66/n71/n41.
5. For WWAN UAT antenna, hotspot mode is enabled, power reduction will be activated to limit the maximum power of GSM850/GSM1900, WCDMA B2 / B4 / B5, CDMA BC0/BC1/BC10, LTE B2 / B5 / B7 / B13 / B25 / B26 / B30 / B38 / B41 / B48 and 5G NR n2/n5/n66/n71/n41.
6. For WWAN LAT antenna, hotspot mode is enabled, power reduction will be activated to limit the maximum power of GSM1900, WCDMA B2 / B4, CDMA BC1, LTE B2 / B4 / B7 / B25 / B30 / B38 / B41 / B48 / B66 and 5G NR n2/n5/n66/n71/n41.
7. For WWAN UAT antenna, when the p-sensor is detect handheld state, power reduction will be activated to limit the maximum power of LTE B2 / B7 / B25 / B30 / B48 for front/back/bottom sides.
8. For WWAN LAT antenna, when the p-sensor is detect handheld state, power reduction will be activated to limit the maximum power of UMTS B2/B4, CDMA BC1 and LTE B2 / B4 / B7 / B25 / B66 for front/back/bottom sides.
9. For WLAN when transmit simultaneous with WWAN LAT or UAT, power reduction will be activated to limit the different maximum power level for head / hotspot / body-worn / extremity.
10. This is a variant report, the difference is to change the model name and SW version for market segment. The change has no influence on the test results, all the test results are leveraged from original report FA9N2021-02.



4.2 General LTE SAR Test and Reporting Considerations

| Summarized necessary items addressed in KDB 941225 D05 v02r05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------|---|--------|--------|--------|----------|--|----------|---------|---------|-------|--------|--------|--------|------|-----|-----|-----|------|------|------|-----|--------|-----|-----|-----|------|------|------|-----|--------|-----|-----|-----|------|------|------|-----|--------|-----|-----|-----|------|------|------|-----|--------|-----|-----|-----|------|------|------|-----|---------|-----|--|--|--|--|--|-----|
| FCC ID | 2ABZ2-EE103 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment Name | Smart Phone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating Frequency Range of each LTE transmission band | LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz LTE Band 17: 706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7 MHz ~ 1914.3 MHz LTE Band 26: 814.7 MHz ~ 848.3 MHz LTE Band 30: 2307.5 MHz ~ 2312.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 48: 3552.5 MHz ~ 3697.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Channel Bandwidth | LTE Band 02:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 04:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 05:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 07: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 13: 5MHz, 10MHz LTE Band 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 30: 5MHz, 10MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| uplink modulations used | QPSK / 16QAM / 64QAM / 256QAM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LTE Voice / Data requirements | Voice and Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LTE MPR permanently built-in by design | <p align="center">Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3</p> <table border="1"> <thead> <tr> <th rowspan="2">Modulation</th> <th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th> <th rowspan="2">MPR (dB)</th> </tr> <tr> <th>1.4 MHz</th> <th>3.0 MHz</th> <th>5 MHz</th> <th>10 MHz</th> <th>15 MHz</th> <th>20 MHz</th> </tr> </thead> <tbody> <tr> <td>QPSK</td> <td>> 5</td> <td>> 4</td> <td>> 8</td> <td>> 12</td> <td>> 16</td> <td>> 18</td> <td>≤ 1</td> </tr> <tr> <td>16 QAM</td> <td>≤ 5</td> <td>≤ 4</td> <td>≤ 8</td> <td>≤ 12</td> <td>≤ 16</td> <td>≤ 18</td> <td>≤ 1</td> </tr> <tr> <td>16 QAM</td> <td>> 5</td> <td>> 4</td> <td>> 8</td> <td>> 12</td> <td>> 16</td> <td>> 18</td> <td>≤ 2</td> </tr> <tr> <td>64 QAM</td> <td>≤ 5</td> <td>≤ 4</td> <td>≤ 8</td> <td>≤ 12</td> <td>≤ 16</td> <td>≤ 18</td> <td>≤ 2</td> </tr> <tr> <td>64 QAM</td> <td>> 5</td> <td>> 4</td> <td>> 8</td> <td>> 12</td> <td>> 16</td> <td>> 18</td> <td>≤ 3</td> </tr> <tr> <td>256 QAM</td> <td colspan="6">≥ 1</td> <td>≤ 5</td> </tr> </tbody> </table> | 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 |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LTE A-MPR | In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spectrum plots for RB configuration | A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power reduction applied to satisfy SAR compliance | Yes, when operating in hotspot mode that LTE B13 / B5 / B26 / B66 / B25 / B30 / B7 / B41 / B48 power reduction applied to satisfy SAR compliance. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LTE Carrier Aggregation Combinations | Inter-Band and Intra-Band possible combinations and the detail power measurement please referred to section 13. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LTE Carrier Aggregation Additional Information | 1. This device supports LTE Carrier Aggregation (CA) in the uplink for LTE B2/B4/B12/B13/B41/B48/B66 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per FCC Guidance. 2. This device supports maximum of 5 carriers in the downlink and 2 carriers in the uplink. Additional following LTE Release features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Transmission (H, M, L) channel numbers and frequencies in each LTE band | | | | | | | | | | | | | |
|---|-------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|
| LTE Band 2 | | | | | | | | | | | | | |
| | Bandwidth 1.4 MHz | | Bandwidth 3 MHz | | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | |
| L | 18607 | 1850.7 | 18615 | 1851.5 | 18625 | 1852.5 | 18650 | 1855 | 18675 | 1857.5 | 18700 | 1860 | |
| M | 18900 | 1880 | 18900 | 1880 | 18900 | 1880 | 18900 | 1880 | 18900 | 1880 | 18900 | 1880 | |
| H | 19193 | 1909.3 | 19185 | 1908.5 | 19175 | 1907.5 | 19150 | 1905 | 19125 | 1902.5 | 19100 | 1900 | |
| LTE Band 4 | | | | | | | | | | | | | |
| | Bandwidth 1.4 MHz | | Bandwidth 3 MHz | | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | |
| L | 19957 | 1710.7 | 19965 | 1711.5 | 19975 | 1712.5 | 20000 | 1715 | 20025 | 1717.5 | 20050 | 1720 | |
| M | 20175 | 1732.5 | 20175 | 1732.5 | 20175 | 1732.5 | 20175 | 1732.5 | 20175 | 1732.5 | 20175 | 1732.5 | |
| H | 20393 | 1754.3 | 20385 | 1753.5 | 20375 | 1752.5 | 20350 | 1750 | 20325 | 1747.5 | 20300 | 1745 | |
| LTE Band 5 | | | | | | | | | | | | | |
| | Bandwidth 1.4 MHz | | Bandwidth 3 MHz | | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | |
| L | 20407 | 824.7 | 20415 | 825.5 | 20425 | 826.5 | 20450 | 829 | 20450 | 829 | 20450 | 829 | |
| M | 20525 | 836.5 | 20525 | 836.5 | 20525 | 836.5 | 20525 | 836.5 | 20525 | 836.5 | 20525 | 836.5 | |
| H | 20643 | 848.3 | 20635 | 847.5 | 20625 | 846.5 | 20600 | 844 | 20600 | 844 | 20600 | 844 | |
| LTE Band 7 | | | | | | | | | | | | | |
| | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | |
| L | 20775 | 2502.5 | 20800 | 2505 | 20825 | 2507.5 | 20850 | 2510 | 20850 | 2510 | 20850 | 2510 | |
| M | 21100 | 2535 | 21100 | 2535 | 21100 | 2535 | 21100 | 2535 | 21100 | 2535 | 21100 | 2535 | |
| H | 21425 | 2567.5 | 21400 | 2565 | 21375 | 2562.5 | 21350 | 2560 | 21350 | 2560 | 21350 | 2560 | |
| LTE Band 12 | | | | | | | | | | | | | |
| | Bandwidth 1.4 MHz | | Bandwidth 3 MHz | | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | |
| L | 23017 | 699.7 | 23025 | 700.5 | 23035 | 701.5 | 23060 | 704 | 23060 | 704 | 23060 | 704 | |
| M | 23095 | 707.5 | 23095 | 707.5 | 23095 | 707.5 | 23095 | 707.5 | 23095 | 707.5 | 23095 | 707.5 | |
| H | 23173 | 715.3 | 23165 | 714.5 | 23155 | 713.5 | 23130 | 711 | 23130 | 711 | 23130 | 711 | |
| LTE Band 13 | | | | | | | | | | | | | |
| | Bandwidth 5 MHz | | | | Bandwidth 10 MHz | | | | Bandwidth 15 MHz | | | | Bandwidth 20 MHz |
| | Channel # | | Freq.(MHz) | | Channel # | | Freq.(MHz) | | Channel # | | Freq.(MHz) | | Channel # |
| L | 23205 | | 779.5 | | 23230 | | 782 | | 23255 | | 784.5 | | 23230 |
| M | 23230 | | 782 | | 23230 | | 782 | | 23255 | | 784.5 | | 23230 |
| H | 23255 | | 784.5 | | 23230 | | 782 | | 23255 | | 784.5 | | 23230 |
| LTE Band 17 | | | | | | | | | | | | | |
| | Bandwidth 5 MHz | | | | Bandwidth 10 MHz | | | | Bandwidth 15 MHz | | | | Bandwidth 20 MHz |
| | Channel # | | Freq.(MHz) | | Channel # | | Freq.(MHz) | | Channel # | | Freq.(MHz) | | Channel # |
| L | 23755 | | 706.5 | | 23780 | | 709 | | 23800 | | 711 | | 23790 |
| M | 23790 | | 710 | | 23790 | | 710 | | 23800 | | 711 | | 23790 |
| H | 23825 | | 713.5 | | 23780 | | 709 | | 23800 | | 711 | | 23790 |
| LTE Band 25 | | | | | | | | | | | | | |
| | Bandwidth 1.4 MHz | | Bandwidth 3 MHz | | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | |
| L | 26047 | 1850.7 | 26055 | 1851.5 | 26065 | 1852.5 | 26090 | 1855 | 26115 | 1857.5 | 26140 | 1860 | |
| M | 26340 | 1880 | 26340 | 1880 | 26340 | 1880 | 26340 | 1880 | 26340 | 1880 | 26340 | 1880 | |
| H | 26683 | 1914.3 | 26675 | 1913.5 | 26665 | 1912.5 | 26640 | 1910 | 26615 | 1907.5 | 26590 | 1905 | |
| LTE Band 26 | | | | | | | | | | | | | |
| | Bandwidth 1.4 MHz | | Bandwidth 3 MHz | | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | |
| L | 26697 | 814.7 | 26705 | 815.5 | 26715 | 816.5 | 26740 | 819 | 26765 | 821.5 | 26790 | 824 | |

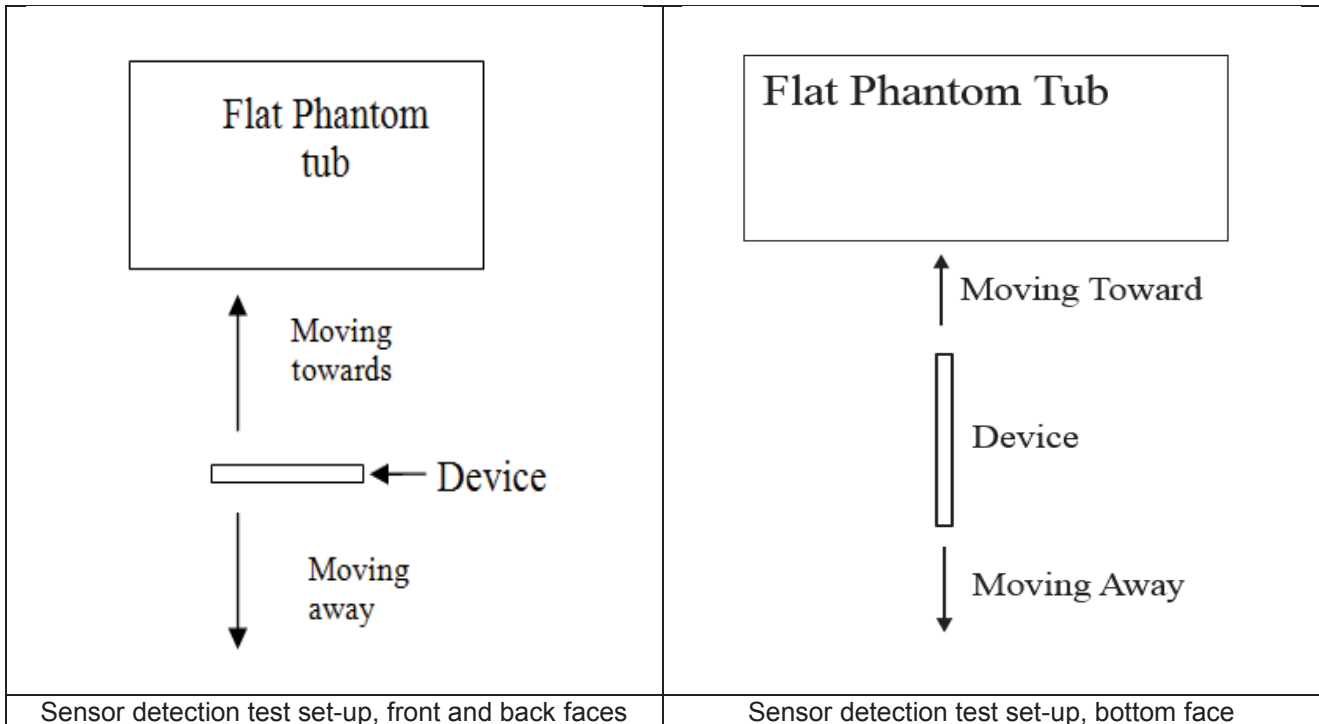


| | | | | | | | | | | | | |
|--------------------|-------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|
| M | 26865 | 831.5 | 26865 | 831.5 | 26865 | 831.5 | 26865 | 831.5 | 26865 | 831.5 | | |
| H | 27033 | 848.3 | 27025 | 847.5 | 27015 | 846.5 | 26990 | 844 | 26965 | 841.5 | | |
| LTE Band 30 | | | | | | | | | | | | |
| | Bandwidth 5 MHz | | | | Bandwidth 10 MHz | | | | | | | |
| | Channel # | | Freq.(MHz) | | Channel # | | Freq.(MHz) | | | | | |
| L | 27685 | | 2307.5 | | 27710 | | 2310 | | | | | |
| M | 27710 | | 2310 | | | | | | | | | |
| H | 27735 | | 2312.5 | | | | | | | | | |
| LTE Band 38 | | | | | | | | | | | | |
| | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | | | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | | | | |
| L | 37775 | 2572.5 | 37800 | 2575 | 37825 | 2577.5 | 37850 | 2580 | | | | |
| M | 38000 | 2595 | 38000 | 2595 | 38000 | 2595 | 38000 | 2595 | | | | |
| H | 38225 | 2617.5 | 38200 | 2615 | 38175 | 2612.5 | 38150 | 2610 | | | | |
| LTE Band 41 | | | | | | | | | | | | |
| | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | | | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | | | | |
| L | 39675 | 2498.5 | 39700 | 2501 | 39725 | 2503.5 | 39750 | 2506 | | | | |
| L | 40148 | 2545.8 | 40160 | 2547 | 40173 | 2548.3 | 40185 | 2549.5 | | | | |
| M | 40620 | 2593 | 40620 | 2593 | 40620 | 2593 | 40620 | 2593 | | | | |
| H | 41093 | 2640.3 | 41080 | 2639 | 41068 | 2637.8 | 41055 | 2636.5 | | | | |
| H | 41565 | 2687.5 | 41540 | 2685 | 41515 | 2682.5 | 41490 | 2680 | | | | |
| LTE Band 48 | | | | | | | | | | | | |
| | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | | | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | | | | |
| L | 55265 | 3552.5 | 55290 | 3555 | 55315 | 3557.5 | 55340 | 3560 | | | | |
| L | 55810 | 3607 | 55815 | 3607.5 | 55820 | 3608 | 55830 | 3609 | | | | |
| M | 56170 | 3643 | 56165 | 3642.5 | 56160 | 3642 | 56150 | 3641 | | | | |
| H | 56715 | 3697.5 | 56690 | 3695 | 56665 | 3692.5 | 56640 | 3690 | | | | |
| LTE Band 66 | | | | | | | | | | | | |
| | Bandwidth 1.4 MHz | | Bandwidth 3 MHz | | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) |
| L | 131979 | 1710.7 | 131987 | 1711.5 | 131997 | 1712.5 | 132022 | 1715 | 132047 | 1717.5 | 132072 | 1720 |
| M | 132322 | 1745 | 132322 | 1745 | 132322 | 1745 | 132322 | 1745 | 132322 | 1745 | 132322 | 1745 |
| H | 132665 | 1779.3 | 132657 | 1778.5 | 132647 | 1777.5 | 132622 | 1775 | 132597 | 1772.5 | 132572 | 1770 |
| LTE Band 71 | | | | | | | | | | | | |
| | Bandwidth 5 MHz | | Bandwidth 10 MHz | | Bandwidth 15 MHz | | Bandwidth 20 MHz | | | | | |
| | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | Ch. # | Freq. (MHz) | | | | |
| L | 133147 | 665.5 | 133172 | 668 | 133197 | 670.5 | 133222 | 673 | | | | |
| M | 133297 | 680.5 | 133297 | 680.5 | 133297 | 680.5 | 133297 | 680.5 | | | | |
| H | 133447 | 695.5 | 133422 | 693 | 133397 | 690.5 | 133372 | 688 | | | | |

5. Proximity Sensor Triggering Test

<Proximity Sensor Triggering Distance>:

1. Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed and the tissue-equivalent medium for highest frequency (2600MHz) and lowest (750MHz) frequency was used for proximity sensor triggering testing.
2. Capacitive proximity sensors placed coincident with antenna elements at the top and bottom ends of the phone are utilized to determine when the device comes in proximity of the user's hand at the front / back / bottom of the device.
3. When the sensor is active, the device will reduce maximum output powers on the WCDMA B2/B4, CDMA BC1 and LTE B2 / B4 / B5 / B7 / B25 / B26 / B30 / B66 / B48 transmitter.



| Proximity Sensor Trigger Distance (mm) | | | | | | |
|--|----------------|-------------|----------------|-------------|----------------|-------------|
| Position | Front | | Back | | Bottom Side | |
| Position | Moving towards | Moving away | Moving towards | Moving away | Moving towards | Moving away |
| Minimum | 4 | 5 | 9 | 10 | 9 | 11 |

6. RF Exposure Limits

6.1 Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

6.2 Controlled Environment

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. The exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Limits for Occupational/Controlled Exposure (W/kg)

| Whole-Body | Partial-Body | Hands, Wrists, Feet and Ankles |
|------------|--------------|--------------------------------|
| 0.4 | 8.0 | 20.0 |

Limits for General Population/Uncontrolled Exposure (W/kg)

| Whole-Body | Partial-Body | Hands, Wrists, Feet and Ankles |
|------------|--------------|--------------------------------|
| 0.08 | 1.6 | 4.0 |

1. Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

7. Specific Absorption Rate (SAR)

7.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

7.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

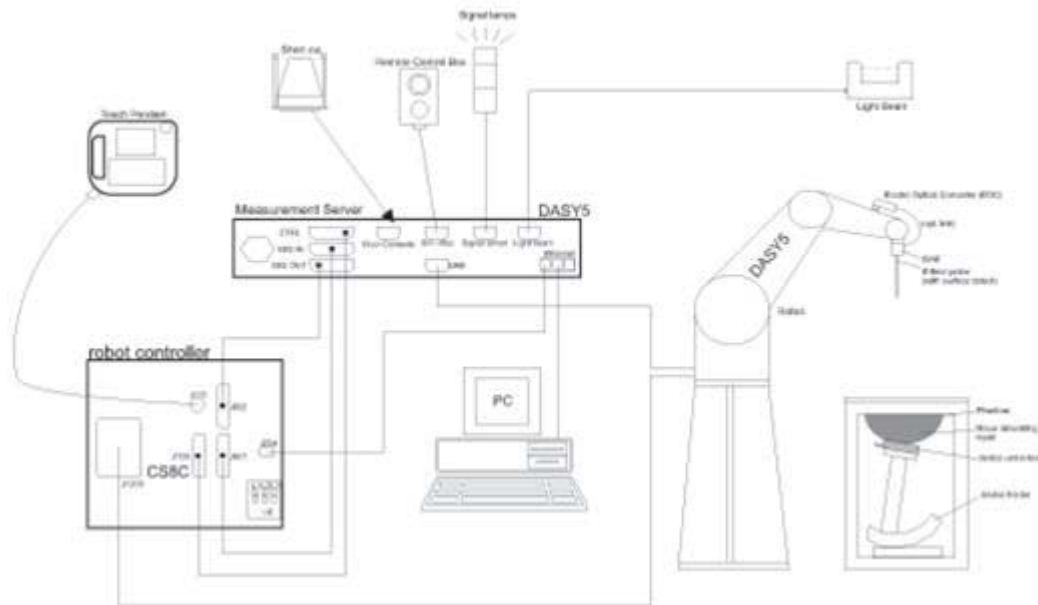
SAR is expressed in units of Watts per kilogram (W/kg)

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

8. System Description and Setup

The DASY system used for performing compliance tests consists of the following items:




- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP or Win7 and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.


8.1 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG).The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

<ES3DV3 Probe>

| | | |
|----------------------|--|--|
| Construction | Symmetric design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE) |  |
| Frequency | 10 MHz – 4 GHz; Linearity: ± 0.2 dB (30 MHz – 4 GHz) | |
| Directivity | ± 0.2 dB in TSL (rotation around probe axis) ± 0.3 dB in TSL (rotation normal to probe axis) | |
| Dynamic Range | 5 μ W/g – >100 mW/g; Linearity: ± 0.2 dB | |
| Dimensions | Overall length: 337 mm (tip: 20 mm) Tip diameter: 3.9 mm (body: 12 mm) Distance from probe tip to dipole centers: 3.0 mm | |

<EX3DV4 Probe>

| | | |
|----------------------|---|---|
| Construction | Symmetric design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE) |  |
| Frequency | 10 MHz – >6 GHz Linearity: ± 0.2 dB (30 MHz – 6 GHz) | |
| Directivity | ± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis) | |
| Dynamic Range | 10 μ W/g – >100 mW/g Linearity: ± 0.2 dB (noise: typically <1 μ W/g) | |
| Dimensions | Overall length: 337 mm (tip: 20 mm) Tip diameter: 2.5 mm (body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm | |

8.2 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

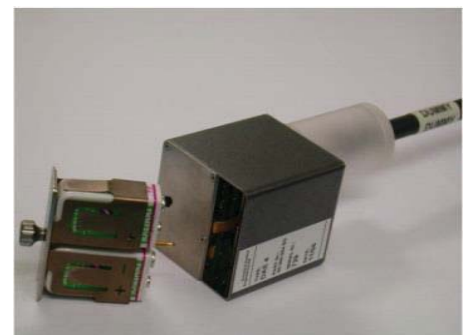



Fig 5.1 Photo of DAE


8.3 Phantom

<SAM Twin Phantom>

| | | |
|--------------------------|---|--|
| Shell Thickness | 2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm |  |
| Filling Volume | Approx. 25 liters | |
| Dimensions | Length: 1000 mm; Width: 500 mm; Height: adjustable feet | |
| Measurement Areas | Left Hand, Right Hand, Flat Phantom | |

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

<ELI Phantom>

| | | |
|------------------------|--|---|
| Shell Thickness | 2 ± 0.2 mm (sagging: <1%) |  |
| Filling Volume | Approx. 30 liters | |
| Dimensions | Major ellipse axis: 600 mm Minor axis: 400 mm | |

The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

8.4 Device Holder

<Mounting Device for Hand-Held Transmitter>

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.



Mounting Device for Hand-Held Transmitters



Mounting Device Adaptor for Wide-Phones

<Mounting Device for Laptops and other Body-Worn Transmitters>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.



Mounting Device for Laptops

9. Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

- (a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- (b) Read the WWAN RF power level from the base station simulator.
- (c) For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band
- (d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/BT output power

<SAR measurement>

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix D demonstrates.
- (c) Set scan area, grid size and other setting on the DASY software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

9.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

9.2 Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

9.3 Area Scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

Area scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

| | ≤ 3 GHz | > 3 GHz |
|--|---|--|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface | 5 ± 1 mm | $\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location | 30° ± 1° | 20° ± 1° |
| Maximum area scan spatial resolution: $\Delta x_{Area}, \Delta y_{Area}$ | ≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm | 3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm |
| | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device. | |

9.4 Zoom Scan

Zoom scans are used assess the peak spatial SAR values within a cubic averaging volume containing 1 gram and 10 gram of simulated tissue. The zoom scan measures points (refer to table below) within a cube shoes base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the zoom scan evaluates the averaged SAR for 1 gram and 10 gram and displays these values next to the job's label.

Zoom scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

| | | ≤ 3 GHz | > 3 GHz | |
|--|------------------------------------|--|---|--|
| Maximum zoom scan spatial resolution: $\Delta x_{Zoom}, \Delta y_{Zoom}$ | | ≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm* | 3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm* | |
| Maximum zoom scan spatial resolution, normal to phantom surface | uniform grid: $\Delta z_{Zoom}(n)$ | ≤ 5 mm | 3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm | |
| | graded grid | $\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface | ≤ 4 mm | 3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm |
| | | $\Delta z_{Zoom}(n>1)$: between subsequent points | $\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$ | |
| Minimum zoom scan volume | x, y, z | ≥ 30 mm | 3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm | |
| Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. * When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz. | | | | |

9.5 Volume Scan Procedures

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

9.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.



10. Test Equipment List

| Manufacturer | Name of Equipment | Type/Model | Serial Number | Calibration | |
|---------------|---------------------------------|-----------------|---------------|---------------|---------------|
| | | | | Last Cal. | Due Date |
| SPEAG | 750MHz System Validation Kit | D750V3 | 1099 | Dec. 06, 2018 | Nov. 24, 2020 |
| SPEAG | 750MHz System Validation Kit | D750V3 | 1107 | Mar. 08, 2019 | Mar. 07, 2020 |
| SPEAG | 835MHz System Validation Kit | D835V2 | 4d162 | Dec. 05, 2018 | Nov. 24, 2020 |
| SPEAG | 835MHz System Validation Kit | D835V2 | 4d167 | Nov. 25, 2019 | Nov. 24, 2020 |
| SPEAG | 1750MHz System Validation Kit | D1750V2 | 1137 | Jul. 30, 2018 | Oct. 22, 2020 |
| SPEAG | 1750MHz System Validation Kit | D1750V2 | 1112 | Mar. 07, 2019 | Mar. 06, 2020 |
| SPEAG | 1900MHz System Validation Kit | D1900V2 | 5d182 | Dec. 07, 2018 | Nov. 24, 2020 |
| SPEAG | 1900MHz System Validation Kit | D1900V2 | 5d041 | Sep. 11, 2018 | Sep. 09, 2020 |
| SPEAG | 1900MHz System Validation Kit | D1900V2 | 5d185 | Mar. 07, 2019 | Mar. 06, 2020 |
| SPEAG | 2300MHz System Validation Kit | D2300V2 | 1056 | Nov. 01, 2018 | Oct. 31, 2020 |
| SPEAG | 2450MHz System Validation Kit | D2450V2 | 924 | Apr. 15, 2019 | Apr. 14, 2020 |
| SPEAG | 2600MHz System Validation Kit | D2600V2 | 1070 | Dec. 07, 2018 | Nov. 24, 2020 |
| SPEAG | 2600MHz System Validation Kit | D2600V2 | 1078 | Mar. 06, 2019 | Mar. 05, 2020 |
| SPEAG | 3500MHz System Validation Kit | D3500V2 | 1076 | Apr. 29, 2019 | Apr. 28, 2020 |
| SPEAG | 3700MHz System Validation Kit | D3700V2 | 1037 | Apr. 29, 2019 | Apr. 28, 2020 |
| SPEAG | 5000MHz System Validation Kit | D5GHzV2 | 1167 | Aug. 03, 2018 | Oct. 29, 2020 |
| SPEAG | Dosimetric E-Field Probe | EX3DV4 | 3819 | Mar. 01, 2019 | Feb. 29, 2020 |
| SPEAG | Dosimetric E-Field Probe | ES3DV3 | 3184 | Sep. 25, 2019 | Sep. 24, 2020 |
| SPEAG | Dosimetric E-Field Probe | EX3DV4 | 3642 | Apr. 29, 2019 | Apr. 28, 2020 |
| SPEAG | Dosimetric E-Field Probe | EX3DV4 | 7346 | Apr. 25, 2019 | Apr. 24, 2020 |
| SPEAG | Data Acquisition Electronics | DAE4 | 715 | Jan. 23, 2019 | Jan. 22, 2020 |
| SPEAG | Data Acquisition Electronics | DAE4 | 1386 | Sep. 09, 2019 | Sep. 08, 2020 |
| SPEAG | Data Acquisition Electronics | DAE4 | 1305 | Apr. 30, 2019 | Apr. 29, 2020 |
| SPEAG | Data Acquisition Electronics | DAE4 | 853 | Jul. 18, 2019 | Jul. 17, 2020 |
| SPEAG | Data Acquisition Electronics | DAE4 | 854 | May. 21, 2019 | May. 20, 2020 |
| RCPTWN | Thermometer | HTC-1 | TM685-1 | Nov. 12, 2019 | Nov. 11, 2020 |
| RCPTWN | Thermometer | HTC-1 | TM560-2 | Nov. 12, 2019 | Nov. 11, 2020 |
| Anritsu | Radio Communication Analyzer | MT8821C | 6201341950 | Oct. 31, 2019 | Oct. 30, 2020 |
| Agilent | Wireless Communication Test Set | E5515C | MY50266977 | May. 27, 2019 | May. 26, 2020 |
| R&S | BT Base Station | CBT32 | 100522 | Mar. 18, 2019 | Mar. 17, 2020 |
| SPEAG | Device Holder | N/A | N/A | N/A | N/A |
| Anritsu | Signal Generator | MG3710A | 6201502524 | Nov. 20, 2019 | Nov. 19, 2020 |
| Agilent | ENA Network Analyzer | E5071C | MY46104758 | Sep. 06, 2019 | Sep. 05, 2020 |
| SPEAG | Dielectric Probe Kit | DAK-3.5 | 1126 | Sep. 18, 2019 | Sep. 17, 2020 |
| LINE SEIKI | Digital Thermometer | DTM3000-spezial | 3169 | Sep. 10, 2019 | Sep. 09, 2020 |
| Anritsu | Power Meter | ML2495A | 1036004 | Aug. 08, 2019 | Aug. 07, 2020 |
| Anritsu | Power Sensor | MA2411B | 1027253 | Aug. 08, 2019 | Aug. 07, 2020 |
| Anritsu | Power Meter | ML2495A | 1419002 | May. 29, 2019 | May. 28, 2020 |
| Anritsu | Power Sensor | MA2411B | 1339124 | May. 29, 2019 | May. 28, 2020 |
| Agilent | Spectrum Analyzer | E4408B | MY44211028 | Aug. 27, 2019 | Aug. 26, 2020 |
| Anritsu | Spectrum Analyzer | MS2830A | 6201396378 | Jun. 27, 2019 | Jun. 26, 2020 |
| Mini-Circuits | Power Amplifier | ZVE-8G+ | 6418 | Oct. 16, 2019 | Oct. 15, 2020 |
| Mini-Circuits | Power Amplifier | ZVE-8G+ | 6382 | Aug. 12, 2019 | Aug. 11, 2020 |
| ATM | Dual Directional Coupler | C122H-10 | P610410z-02 | Note 1 | |
| Woken | Attenuator 1 | WK0602-XX | N/A | Note 1 | |
| PE | Attenuator 2 | PE7005-10 | N/A | Note 1 | |
| PE | Attenuator 3 | PE7005- 3 | N/A | Note 1 | |

General Note:

- Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check source.
- Referring to KDB 865664 D01v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval.
- The justification data of dipole D750V3, SN: 1099, D835V2, SN: 4d162, D1750V2, SN:1137, D1900V2, 5d182, D2300V2, SN: 1056, D2600V2, SN: 1070D,1750V2, SN: 1137, D1900V2, SN: 5d041, D2300V2, SN: 1056, D5GHzV2, SN: 1167 can be found in appendix C. The return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration.

11. System Verification

11.1 Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 10.1. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 10.2.

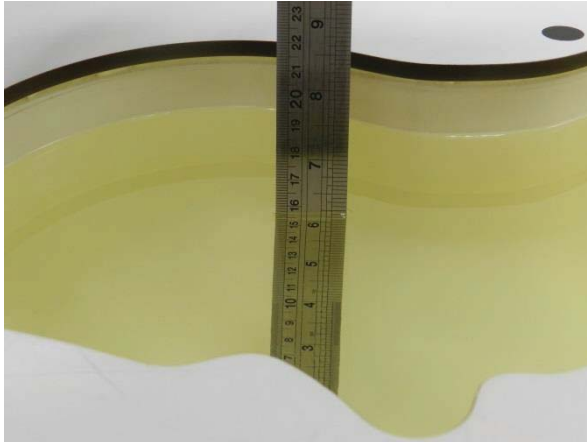


Fig 10.1 Photo of Liquid Height for Head SAR

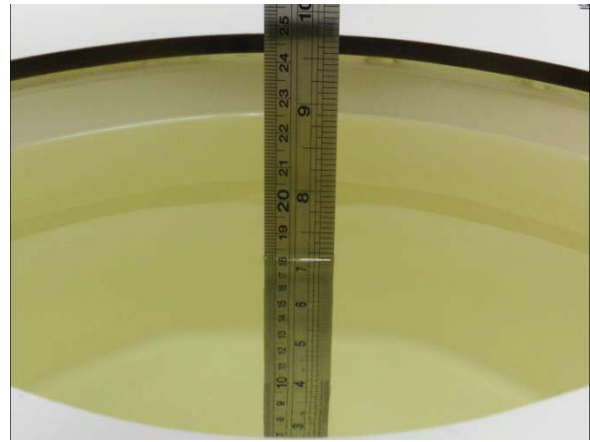


Fig 10.2 Photo of Liquid Height for Body SAR



11.2 Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

| Frequency (MHz) | Water (%) | Sugar (%) | Cellulose (%) | Salt (%) | Preventol (%) | DGBE (%) | Conductivity (σ) | Permittivity (ε _r) |
|------------------|-----------|-----------|---------------|----------|---------------|----------|------------------|--------------------------------|
| 750 | 41.1 | 57.0 | 0.2 | 1.4 | 0.2 | 0 | 0.89 | 41.9 |
| 835 | 40.3 | 57.9 | 0.2 | 1.4 | 0.2 | 0 | 0.90 | 41.5 |
| 900 | 40.3 | 57.9 | 0.2 | 1.4 | 0.2 | 0 | 0.97 | 41.5 |
| 1800, 1900, 2000 | 55.2 | 0 | 0 | 0.3 | 0 | 44.5 | 1.40 | 40.0 |
| 2450 | 55.0 | 0 | 0 | 0 | 0 | 45.0 | 1.80 | 39.2 |
| 2600 | 54.8 | 0 | 0 | 0.1 | 0 | 45.1 | 1.96 | 39.0 |

Simulating Liquid for 5GHz, Manufactured by SPEAG

| Ingredients | (% by weight) |
|--------------------|---------------|
| Water | 64~78% |
| Mineral oil | 11~18% |
| Emulsifiers | 9~15% |
| Additives and Salt | 2~3% |

<Tissue Dielectric Parameter Check Results>

| Frequency (MHz) | Liquid Temp. (°C) | Conductivity (σ) | Permittivity (ε _r) | Conductivity Target (σ) | Permittivity Target (ε _r) | Delta (σ) (%) | Delta (ε _r) (%) | Limit (%) | Date |
|-----------------|-------------------|------------------|--------------------------------|-------------------------|---------------------------------------|---------------|-----------------------------|-----------|------------|
| 750 | 22.4 | 0.886 | 41.534 | 0.89 | 41.90 | -0.45 | -0.87 | ±5 | 2019/12/27 |
| 750 | 22.8 | 0.878 | 40.673 | 0.89 | 41.90 | -1.35 | -2.93 | ±5 | 2020/1/20 |
| 835 | 22.5 | 0.928 | 42.730 | 0.90 | 41.50 | 3.11 | 2.96 | ±5 | 2019/12/24 |
| 835 | 22.6 | 0.913 | 40.859 | 0.90 | 41.50 | 1.44 | -1.54 | ±5 | 2020/1/22 |
| 1750 | 22.4 | 1.394 | 39.966 | 1.37 | 40.10 | 1.75 | -0.33 | ±5 | 2019/12/21 |
| 1750 | 22.7 | 1.378 | 41.340 | 1.37 | 40.10 | 0.58 | 3.09 | ±5 | 2020/1/27 |
| 1900 | 22.7 | 1.422 | 41.138 | 1.40 | 40.00 | 1.57 | 2.85 | ±5 | 2019/12/18 |
| 1900 | 22.7 | 1.460 | 39.248 | 1.40 | 40.00 | 4.29 | -1.88 | ±5 | 2020/1/30 |
| 1900 | 22.5 | 1.435 | 40.562 | 1.40 | 40.00 | 2.50 | 1.40 | ±5 | 2020/2/8 |
| 2300 | 22.7 | 1.670 | 38.754 | 1.67 | 39.50 | 0.00 | -1.89 | ±5 | 2019/12/30 |
| 2300 | 22.5 | 1.678 | 38.250 | 1.67 | 39.50 | 0.48 | -3.16 | ±5 | 2020/2/2 |
| 2450 | 22.6 | 1.857 | 37.670 | 1.80 | 39.20 | 3.17 | -3.90 | ±5 | 2020/1/2 |
| 2450 | 22.5 | 1.807 | 37.921 | 1.80 | 39.20 | 0.39 | -3.26 | ±5 | 2020/2/4 |
| 2600 | 22.4 | 2.056 | 37.575 | 1.96 | 39.00 | 4.90 | -3.65 | ±5 | 2020/1/5 |
| 2600 | 22.8 | 2.055 | 38.316 | 1.96 | 39.00 | 4.85 | -1.75 | ±5 | 2020/2/7 |
| 3500 | 22.5 | 2.909 | 38.635 | 2.91 | 37.90 | -0.03 | 1.94 | ±5 | 2020/1/9 |
| 3700 | 22.8 | 3.054 | 38.374 | 3.12 | 37.70 | -2.12 | 1.79 | ±5 | 2020/1/9 |
| 5250 | 22.4 | 4.638 | 37.088 | 4.71 | 35.95 | -1.53 | 3.17 | ±5 | 2020/1/14 |
| 5600 | 22.5 | 5.048 | 36.534 | 5.07 | 35.50 | -0.43 | 2.91 | ±5 | 2020/1/13 |
| 5750 | 22.6 | 5.220 | 36.277 | 5.22 | 35.35 | 0.00 | 2.62 | ±5 | 2020/1/15 |
| 750 | 22.6 | 0.890 | 41.446 | 0.89 | 41.90 | 0.00 | -1.08 | ±5 | 2020/2/6 |
| 750 | 22.6 | 0.887 | 41.361 | 0.89 | 41.90 | -0.34 | -1.29 | ±5 | 2020/2/8 |
| 835 | 22.3 | 0.929 | 41.370 | 0.90 | 41.50 | 3.22 | -0.31 | ±5 | 2020/2/6 |
| 835 | 22.1 | 0.896 | 40.819 | 0.90 | 41.50 | -0.44 | -1.64 | ±5 | 2020/2/7 |
| 1750 | 22.6 | 1.353 | 41.908 | 1.37 | 40.10 | -1.24 | 4.51 | ±5 | 2020/2/5 |
| 1750 | 22.3 | 1.355 | 39.606 | 1.37 | 40.10 | -1.09 | -1.23 | ±5 | 2020/2/7 |
| 1750 | 22.2 | 1.378 | 40.711 | 1.37 | 40.10 | 0.58 | 1.52 | ±5 | 2020/3/9 |
| 1900 | 22.6 | 1.405 | 40.240 | 1.40 | 40.00 | 0.36 | 0.60 | ±5 | 2020/2/5 |
| 1900 | 22.6 | 1.419 | 40.406 | 1.40 | 40.00 | 1.36 | 1.02 | ±5 | 2020/2/6 |
| 2600 | 22.2 | 2.016 | 38.823 | 1.96 | 39.00 | 2.86 | -0.45 | ±5 | 2020/2/5 |
| 2600 | 22.9 | 2.025 | 38.943 | 1.96 | 39.00 | 3.32 | -0.15 | ±5 | 2020/2/7 |
| 2600 | 22.1 | 2.037 | 39.066 | 1.96 | 39.00 | 3.93 | 0.17 | ±5 | 2020/2/8 |
| 1900 | 22.8 | 1.426 | 40.599 | 1.40 | 40.00 | 1.86 | 1.50 | ±5 | 2020/2/15 |
| 2600 | 22.8 | 1.982 | 39.038 | 1.96 | 39.00 | 1.12 | 0.10 | ±5 | 2020/2/15 |



11.3 System Performance Check Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

| Date | Frequency (MHz) | Input Power (mW) | Dipole S/N | Probe S/N | DAE S/N | Measured 1g SAR (W/kg) | Targeted 1g SAR (W/kg) | Normalized 1g SAR (W/kg) | Deviation (%) |
|------------|-----------------|------------------|-------------------|-----------------|-------------|------------------------|------------------------|--------------------------|---------------|
| 2019/12/27 | 750 | 250 | D750V3-1099 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.15 | 8.52 | 8.6 | 0.94 |
| 2020/1/20 | 750 | 250 | D750V3-1099 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.12 | 8.52 | 8.48 | -0.47 |
| 2019/12/24 | 835 | 250 | D835V2-4d162 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.52 | 9.61 | 10.08 | 4.89 |
| 2020/1/22 | 835 | 250 | D835V2-4d162 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.49 | 9.61 | 9.96 | 3.64 |
| 2019/12/21 | 1750 | 250 | D1750V2-1137 | EX3DV4 - SN3819 | DAE4 Sn715 | 9.03 | 36.50 | 36.12 | -1.04 |
| 2020/1/27 | 1750 | 250 | D1750V2-1137 | EX3DV4 - SN3819 | DAE4 Sn1386 | 9.04 | 36.50 | 36.16 | -0.93 |
| 2019/12/18 | 1900 | 250 | D1900V2-5d182 | EX3DV4 - SN3819 | DAE4 Sn715 | 9.86 | 39.60 | 39.44 | -0.40 |
| 2020/1/30 | 1900 | 250 | D1900V2-5d182 | EX3DV4 - SN3819 | DAE4 Sn1386 | 10.40 | 39.60 | 41.6 | 5.05 |
| 2020/2/8 | 1900 | 250 | D1900V2-5d041 | EX3DV4 - SN7346 | DAE4 Sn853 | 9.49 | 40.20 | 37.96 | -5.57 |
| 2019/12/30 | 2300 | 250 | D2300V2-1056 | EX3DV4 - SN3819 | DAE4 Sn715 | 12.20 | 49.90 | 48.8 | -2.20 |
| 2020/2/2 | 2300 | 250 | D2300V2-1056 | EX3DV4 - SN3819 | DAE4 Sn1386 | 12.40 | 49.90 | 49.6 | -0.60 |
| 2020/1/2 | 2450 | 250 | D2450V2-924 | EX3DV4 - SN3819 | DAE4 Sn715 | 13.50 | 52.10 | 54 | 3.65 |
| 2020/2/4 | 2450 | 250 | D2450V2-924 | EX3DV4 - SN3819 | DAE4 Sn1386 | 13.70 | 52.10 | 54.8 | 5.18 |
| 2020/1/5 | 2600 | 250 | D2600V2-1070 | EX3DV4 - SN3819 | DAE4 Sn715 | 14.80 | 58.10 | 59.2 | 1.89 |
| 2020/2/7 | 2600 | 250 | D2600V2-1070 | EX3DV4 - SN3819 | DAE4 Sn1386 | 15.30 | 58.10 | 61.2 | 5.34 |
| 2020/1/9 | 3500 | 100 | D3500V2-1076 | EX3DV4 - SN3819 | DAE4 Sn715 | 6.36 | 67.90 | 63.6 | -6.33 |
| 2020/1/9 | 3700 | 100 | D3700V2-1037 | EX3DV4 - SN3819 | DAE4 Sn715 | 6.87 | 68.50 | 68.7 | 0.29 |
| 2020/1/14 | 5250 | 100 | D5GHzV2-1167-5250 | EX3DV4 - SN3819 | DAE4 Sn715 | 7.69 | 77.00 | 76.9 | -0.13 |
| 2020/1/13 | 5600 | 100 | D5GHzV2-1167-5600 | EX3DV4 - SN3819 | DAE4 Sn715 | 7.84 | 80.80 | 78.4 | -2.97 |
| 2020/1/15 | 5750 | 100 | D5GHzV2-1167-5750 | EX3DV4 - SN3819 | DAE4 Sn715 | 7.06 | 76.90 | 70.6 | -8.19 |
| 2020/2/6 | 750 | 250 | D750V3-1107 | ES3DV3 - SN3184 | DAE4 Sn1305 | 1.99 | 8.32 | 7.96 | -4.33 |
| 2020/2/8 | 750 | 250 | D750V3-1107 | ES3DV3 - SN3184 | DAE4 Sn1305 | 1.99 | 8.32 | 7.96 | -4.33 |
| 2020/2/6 | 835 | 250 | D835V2-4d167 | ES3DV3 - SN3184 | DAE4 Sn1305 | 2.28 | 9.55 | 9.12 | -4.50 |
| 2020/2/7 | 835 | 250 | D835V2-4d167 | ES3DV3 - SN3184 | DAE4 Sn1305 | 2.20 | 9.55 | 8.8 | -7.85 |
| 2020/2/5 | 1750 | 250 | D1750V2-1112 | ES3DV3 - SN3184 | DAE4 Sn1305 | 8.71 | 36.70 | 34.84 | -5.07 |
| 2020/2/7 | 1750 | 250 | D1750V2-1112 | EX3DV4 - SN7346 | DAE4 Sn853 | 9.03 | 36.70 | 36.12 | -1.58 |
| 2020/3/9 | 1750 | 250 | D1750V2-1112 | EX3DV4 - SN7346 | DAE4 Sn853 | 8.92 | 36.70 | 35.68 | -2.78 |
| 2020/2/5 | 1900 | 250 | D1900V2-5d185 | ES3DV3 - SN3184 | DAE4 Sn1305 | 9.54 | 39.40 | 38.16 | -3.15 |
| 2020/2/6 | 1900 | 250 | D1900V2-5d041 | EX3DV4 - SN7346 | DAE4 Sn853 | 10.60 | 40.20 | 42.4 | 5.47 |
| 2020/2/5 | 2600 | 250 | D2600V2-1078 | EX3DV4 - SN3642 | DAE4 Sn854 | 14.80 | 57.60 | 59.2 | 2.78 |
| 2020/2/7 | 2600 | 250 | D2600V2-1078 | EX3DV4 - SN3642 | DAE4 Sn854 | 14.60 | 57.60 | 58.4 | 1.39 |
| 2020/2/8 | 2600 | 250 | D2600V2-1078 | EX3DV4 - SN3642 | DAE4 Sn854 | 14.70 | 57.60 | 58.8 | 2.08 |
| 2020/2/15 | 1900 | 250 | D1900V2-5d041 | ES3DV3 - SN3184 | DAE4 Sn1305 | 10.30 | 40.20 | 41.2 | 2.49 |
| 2020/2/15 | 2600 | 250 | D2600V2-1078 | ES3DV3 - SN3184 | DAE4 Sn1305 | 14.20 | 57.60 | 56.8 | -1.39 |

| Date | Frequency (MHz) | Input Power (mW) | Dipole S/N | Probe S/N | DAE S/N | Measured 10g SAR (W/kg) | Targeted 10g SAR (W/kg) | Normalized 10g SAR (W/kg) | Deviation (%) |
|------------|-----------------|------------------|-------------------|-----------------|-------------|-------------------------|-------------------------|---------------------------|---------------|
| 2019/12/27 | 750 | 250 | D750V3-1099 | EX3DV4 - SN3819 | DAE4 Sn715 | 1.45 | 5.64 | 5.8 | 2.84 |
| 2020/1/20 | 750 | 250 | D750V3-1099 | EX3DV4 - SN3819 | DAE4 Sn715 | 1.42 | 5.64 | 5.68 | 0.71 |
| 2019/12/24 | 835 | 250 | D835V2-4d162 | EX3DV4 - SN3819 | DAE4 Sn715 | 1.66 | 6.35 | 6.64 | 4.57 |
| 2020/1/22 | 835 | 250 | D835V2-4d162 | EX3DV4 - SN3819 | DAE4 Sn715 | 1.64 | 6.35 | 6.56 | 3.31 |
| 2019/12/21 | 1750 | 250 | D1750V2-1137 | EX3DV4 - SN3819 | DAE4 Sn715 | 4.86 | 19.50 | 19.44 | -0.31 |
| 2020/1/27 | 1750 | 250 | D1750V2-1137 | EX3DV4 - SN3819 | DAE4 Sn1386 | 4.83 | 19.50 | 19.32 | -0.92 |
| 2019/12/18 | 1900 | 250 | D1900V2-5d182 | EX3DV4 - SN3819 | DAE4 Sn715 | 5.07 | 20.70 | 20.28 | -2.03 |
| 2020/1/30 | 1900 | 250 | D1900V2-5d182 | EX3DV4 - SN3819 | DAE4 Sn1386 | 5.32 | 20.70 | 21.28 | 2.80 |
| 2020/2/8 | 1900 | 250 | D1900V2-5d041 | EX3DV4 - SN7346 | DAE4 Sn853 | 4.94 | 21.20 | 19.76 | -6.79 |
| 2019/12/30 | 2300 | 250 | D2300V2-1056 | EX3DV4 - SN3819 | DAE4 Sn715 | 5.75 | 23.80 | 23 | -3.36 |
| 2020/2/2 | 2300 | 250 | D2300V2-1056 | EX3DV4 - SN3819 | DAE4 Sn1386 | 5.83 | 23.80 | 23.32 | -2.02 |
| 2020/1/2 | 2450 | 250 | D2450V2-924 | EX3DV4 - SN3819 | DAE4 Sn715 | 6.09 | 23.90 | 24.36 | 1.92 |
| 2020/2/4 | 2450 | 250 | D2450V2-924 | EX3DV4 - SN3819 | DAE4 Sn1386 | 6.18 | 23.90 | 24.72 | 3.43 |
| 2020/1/5 | 2600 | 250 | D2600V2-1070 | EX3DV4 - SN3819 | DAE4 Sn715 | 6.41 | 26.10 | 25.64 | -1.76 |
| 2020/2/7 | 2600 | 250 | D2600V2-1070 | EX3DV4 - SN3819 | DAE4 Sn1386 | 6.65 | 26.10 | 26.6 | 1.92 |
| 2020/1/9 | 3500 | 100 | D3500V2-1076 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.39 | 25.30 | 23.9 | -5.53 |
| 2020/1/9 | 3700 | 100 | D3700V2-1037 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.50 | 24.80 | 25 | 0.81 |
| 2020/1/14 | 5250 | 100 | D5GHzV2-1167-5250 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.22 | 22.00 | 22.2 | 0.91 |
| 2020/1/13 | 5600 | 100 | D5GHzV2-1167-5600 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.25 | 23.20 | 22.5 | -3.02 |
| 2020/1/15 | 5750 | 100 | D5GHzV2-1167-5750 | EX3DV4 - SN3819 | DAE4 Sn715 | 2.04 | 21.60 | 20.4 | -5.56 |

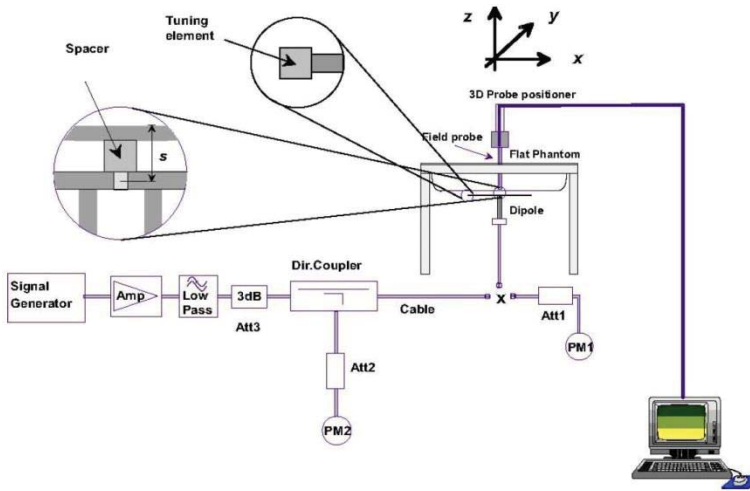


Fig 8.3.1 System Performance Check Setup



Fig 8.3.2 Setup Photo

12. RF Exposure Positions

12.1 Ear and handset reference point

Figure 9.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled “M,” the left ear reference point (ERP) is marked “LE,” and the right ERP is marked “RE.” Each ERP is 15 mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point, as shown in Figure 9.1.2 The Reference Plane is defined as passing through the two ear reference points and point M. The line N-F (neck-front), also called the reference pivoting line, is normal to the Reference Plane and perpendicular to both a line passing through RE and LE and the B-M line (see Figure 9.1.3). Both N-F and B-M lines should be marked on the exterior of the phantom shell to facilitate handset positioning. Posterior to the N-F line the ear shape is a flat surface with 6 mm thickness at each ERP, and forward of the N-F line the ear is truncated, as illustrated in Figure 9.1.2. The ear truncation is introduced to preclude the ear lobe from interfering with handset tilt, which could lead to unstable positioning at the cheek.



Fig 9.1.1 Front, back, and side views of SAM twin phantom

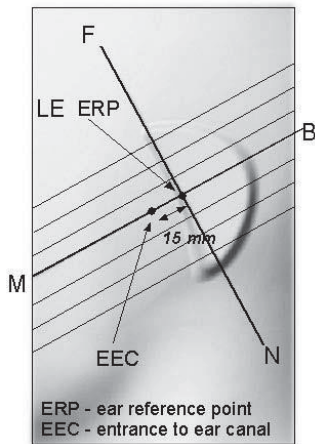


Fig 9.1.2 Close-up side view of phantom showing the ear region.

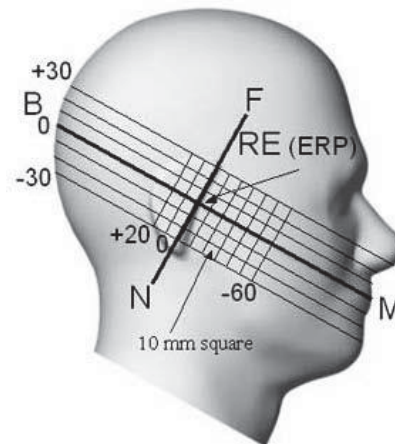


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

12.2 Definition of the cheek position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. Define two imaginary lines on the handset—the vertical centerline and the horizontal line. The vertical centerline passes through two points on the front side of the handset—the midpoint of the width w_t of the handset at the level of the acoustic output (point A in Figure 9.2.1 and Figure 9.2.2), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 9.2.1). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Figure 9.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
3. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 9.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
4. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP.
5. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
6. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.
7. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 9.2.3. The actual rotation angles should be documented in the test report.

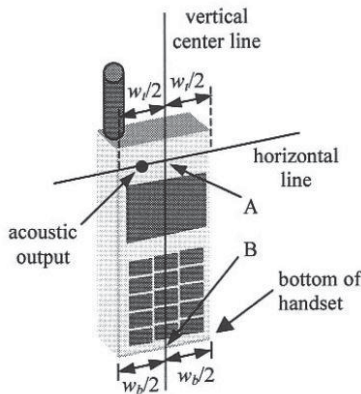


Fig 9.2.1 Handset vertical and horizontal reference lines—“fixed case”

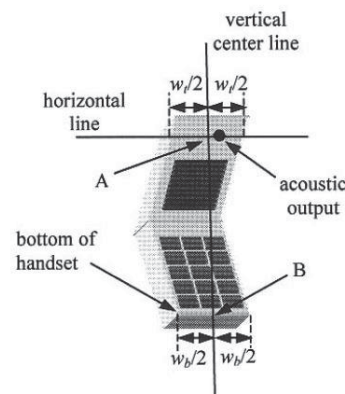


Fig 9.2.2 Handset vertical and horizontal reference lines—“clam-shell case”

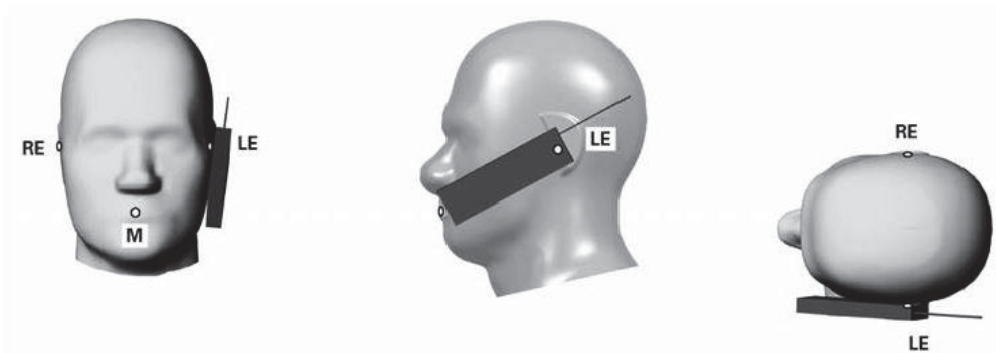


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

12.3 Definition of the tilt position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15°.
3. Rotate the handset around the horizontal line by 15°.
4. While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. See Figure 9.3.1. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset should be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point

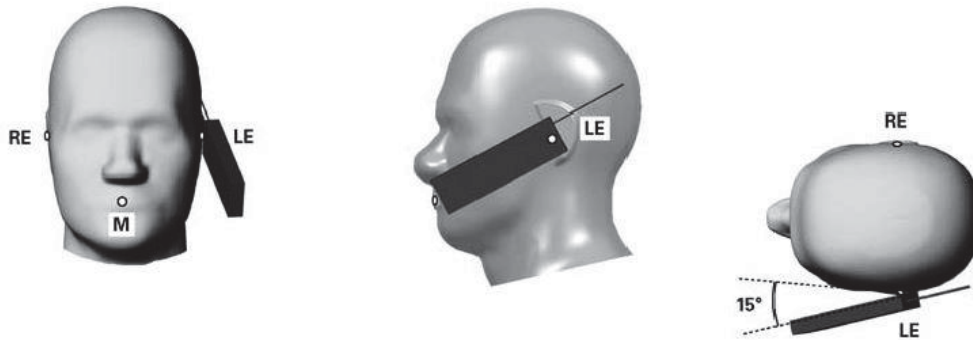


Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

12.4 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 9.4). Per KDB648474 D04v01r03, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset attached to the handset.

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

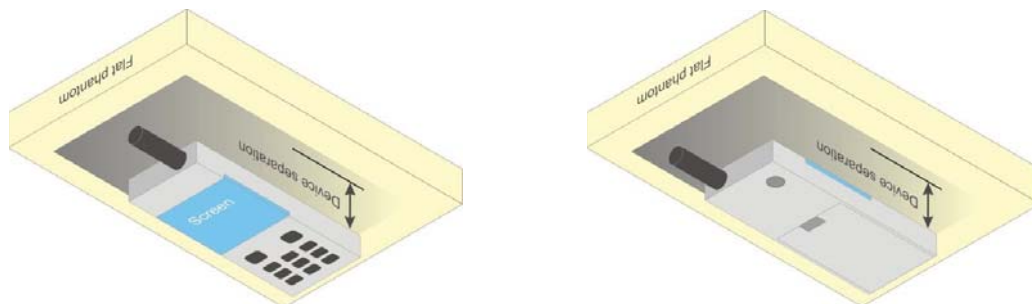


Fig 9.4 Body Worn Position



12.5 Product Specific Exposure

For smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, According to KDB648474 D04v01r03, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions.6 The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

12.6 Wireless Router

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 v02r01 where SAR test considerations for handsets ($L \times W \geq 9$ cm x 5 cm) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v06 publication procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

13. GSM/UMTS/CDMA/LTE Output Power (Unit: dBm)

<GSM Conducted Power>

1. Per KDB 447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.
2. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Therefore, the GPRS (3Tx slots) for GSM850/GSM1900 is considered as the primary mode.
3. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode, SAR measurement is not required for the secondary mode
4. Power reduction which is triggered by hotspot mode is implemented in GSM1900 band, for hotspot mode SAR testing EUT was set in reduced power mode and GPRS 3Tx slot due to its highest frame-average power.

<Full Power Mode>

<UAT>

| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | |
| GSM 1 Tx slot | 31.98 | 31.97 | 31.90 | 32.80 | 22.98 | 22.97 | 22.90 | 23.80 |
| GPRS 1 Tx slot | 31.96 | 31.94 | 31.87 | 32.80 | 22.96 | 22.94 | 22.87 | 23.80 |
| GPRS 2 Tx slots | 30.10 | 30.17 | 30.02 | 31.30 | 24.10 | 24.17 | 24.02 | 25.30 |
| GPRS 3 Tx slots | 28.54 | 28.44 | 28.39 | 29.80 | 24.28 | 24.18 | 24.13 | 25.54 |
| GPRS 4 Tx slots | 26.78 | 26.99 | 26.96 | 28.50 | 23.78 | 23.99 | 23.96 | 25.50 |
| EDGE 1 Tx slot | 25.60 | 25.66 | 25.63 | 26.80 | 16.60 | 16.66 | 16.63 | 17.80 |
| EDGE 2 Tx slots | 24.02 | 24.07 | 24.05 | 24.80 | 18.02 | 18.07 | 18.05 | 18.80 |
| EDGE 3 Tx slots | 23.06 | 23.16 | 23.07 | 23.80 | 18.80 | 18.90 | 18.81 | 19.54 |
| EDGE 4 Tx slots | 22.32 | 22.43 | 22.42 | 23.20 | 19.32 | 19.43 | 19.42 | 20.20 |

| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | |
| GSM 1 Tx slot | 27.68 | 27.70 | 27.80 | 28.50 | 18.68 | 18.70 | 18.80 | 19.50 |
| GPRS 1 Tx slot | 27.65 | 27.68 | 27.77 | 28.50 | 18.65 | 18.68 | 18.77 | 19.50 |
| GPRS 2 Tx slots | 25.02 | 25.32 | 25.13 | 26.00 | 19.02 | 19.32 | 19.13 | 20.00 |
| GPRS 3 Tx slots | 23.87 | 24.19 | 24.02 | 24.70 | 19.61 | 19.93 | 19.76 | 20.44 |
| GPRS 4 Tx slots | 22.51 | 22.81 | 22.57 | 23.20 | 19.51 | 19.81 | 19.57 | 20.20 |
| EDGE 1 Tx slot | 23.15 | 23.31 | 23.21 | 24.00 | 14.15 | 14.31 | 14.21 | 15.00 |
| EDGE 2 Tx slots | 22.11 | 22.35 | 22.18 | 22.90 | 16.11 | 16.35 | 16.18 | 16.90 |
| EDGE 3 Tx slots | 20.79 | 21.10 | 20.81 | 21.80 | 16.53 | 16.84 | 16.55 | 17.54 |
| EDGE 4 Tx slots | 19.55 | 19.88 | 19.73 | 20.80 | 16.55 | 16.88 | 16.73 | 17.80 |

<LAT>

| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | |
| GSM 1 Tx slot | 31.92 | 31.94 | 31.97 | 32.80 | 22.92 | 22.94 | 22.97 | 23.80 |
| GPRS 1 Tx slot | 31.90 | 31.92 | 31.94 | 32.80 | 22.90 | 22.92 | 22.94 | 23.80 |
| GPRS 2 Tx slots | 30.35 | 30.49 | 30.19 | 31.30 | 24.35 | 24.49 | 24.19 | 25.30 |
| GPRS 3 Tx slots | 28.68 | 28.62 | 28.54 | 29.80 | 24.42 | 24.36 | 24.28 | 25.54 |
| GPRS 4 Tx slots | 27.04 | 27.48 | 27.41 | 28.50 | 24.04 | 24.48 | 24.41 | 25.50 |
| EDGE 1 Tx slot | 25.88 | 25.86 | 25.87 | 26.80 | 16.88 | 16.86 | 16.87 | 17.80 |
| EDGE 2 Tx slots | 24.32 | 24.22 | 24.27 | 24.80 | 18.32 | 18.22 | 18.27 | 18.80 |
| EDGE 3 Tx slots | 23.46 | 23.38 | 23.50 | 23.80 | 19.20 | 19.12 | 19.24 | 19.54 |
| EDGE 4 Tx slots | 22.79 | 22.75 | 22.73 | 23.20 | 19.79 | 19.75 | 19.73 | 20.20 |

| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | |
| GSM 1 Tx slot | 29.49 | 29.52 | 29.55 | 30.30 | 20.49 | 20.52 | 20.55 | 21.30 |
| GPRS 1 Tx slot | 29.44 | 29.50 | 29.52 | 30.30 | 20.44 | 20.50 | 20.52 | 21.30 |
| GPRS 2 Tx slots | 26.68 | 26.93 | 26.87 | 27.80 | 20.68 | 20.93 | 20.87 | 21.80 |
| GPRS 3 Tx slots | 25.52 | 25.72 | 25.67 | 26.50 | 21.26 | 21.46 | 21.41 | 22.24 |
| GPRS 4 Tx slots | 24.26 | 24.42 | 24.23 | 25.00 | 21.26 | 21.42 | 21.23 | 22.00 |
| EDGE 1 Tx slot | 24.68 | 24.85 | 24.80 | 25.80 | 15.68 | 15.85 | 15.80 | 16.80 |
| EDGE 2 Tx slots | 23.51 | 23.71 | 23.61 | 24.70 | 17.51 | 17.71 | 17.61 | 18.70 |
| EDGE 3 Tx slots | 22.61 | 22.80 | 22.65 | 23.60 | 18.35 | 18.54 | 18.39 | 19.34 |
| EDGE 4 Tx slots | 21.44 | 21.65 | 21.49 | 22.60 | 18.44 | 18.65 | 18.49 | 19.60 |

<Reduced Power Mode for Next-to-Head>

<UAT>

| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | |
| GSM 1 Tx slot | 27.59 | 27.86 | 27.54 | 28.80 | 18.59 | 18.86 | 18.54 | 19.80 |
| GPRS 1 Tx slot | 27.56 | 27.84 | 27.52 | 28.80 | 18.56 | 18.84 | 18.52 | 19.80 |
| GPRS 2 Tx slots | 25.83 | 26.13 | 25.83 | 27.30 | 19.83 | 20.13 | 19.83 | 21.30 |
| GPRS 3 Tx slots | 24.73 | 24.43 | 24.40 | 25.80 | 20.47 | 20.17 | 20.14 | 21.54 |
| GPRS 4 Tx slots | 23.44 | 23.83 | 23.25 | 24.50 | 20.44 | 20.83 | 20.25 | 21.50 |
| EDGE 1 Tx slot | 21.95 | 21.79 | 21.83 | 22.80 | 12.95 | 12.79 | 12.83 | 13.80 |
| EDGE 2 Tx slots | 20.34 | 20.16 | 20.35 | 20.80 | 14.34 | 14.16 | 14.35 | 14.80 |
| EDGE 3 Tx slots | 19.30 | 19.32 | 19.34 | 19.80 | 15.04 | 15.06 | 15.08 | 15.54 |
| EDGE 4 Tx slots | 18.49 | 18.61 | 18.71 | 19.20 | 15.49 | 15.61 | 15.71 | 16.20 |

| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | |
| GSM 1 Tx slot | 20.14 | 20.35 | 20.17 | 21.00 | 11.14 | 11.35 | 11.17 | 12.00 |
| GPRS 1 Tx slot | 20.12 | 20.32 | 20.16 | 21.00 | 11.12 | 11.32 | 11.16 | 12.00 |
| GPRS 2 Tx slots | 17.70 | 17.78 | 17.56 | 18.50 | 11.70 | 11.78 | 11.56 | 12.50 |
| GPRS 3 Tx slots | 16.48 | 16.80 | 16.63 | 17.20 | 12.22 | 12.54 | 12.37 | 12.94 |
| GPRS 4 Tx slots | 15.15 | 15.32 | 15.27 | 15.70 | 12.15 | 12.32 | 12.27 | 12.70 |
| EDGE 1 Tx slot | 15.88 | 15.77 | 15.87 | 16.50 | 6.88 | 6.77 | 6.87 | 7.50 |
| EDGE 2 Tx slots | 14.41 | 14.69 | 14.38 | 15.40 | 8.41 | 8.69 | 8.38 | 9.40 |
| EDGE 3 Tx slots | 13.20 | 13.44 | 13.32 | 14.30 | 8.94 | 9.18 | 9.06 | 10.04 |
| EDGE 4 Tx slots | 12.31 | 12.67 | 12.44 | 13.30 | 9.31 | 9.67 | 9.44 | 10.30 |



<Reduced Power Mode for Hotspot On>
<UAT>

| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | |
| GSM 1 Tx slot | 30.75 | 30.93 | 30.73 | 31.80 | 21.75 | 21.93 | 21.73 | 22.80 |
| GPRS 1 Tx slot | 31.12 | 30.80 | 30.84 | 31.80 | 22.12 | 21.80 | 21.84 | 22.80 |
| GPRS 2 Tx slots | 29.31 | 28.82 | 28.86 | 30.30 | 23.31 | 22.82 | 22.86 | 24.30 |
| GPRS 3 Tx slots | 27.71 | 27.62 | 27.27 | 28.80 | 23.45 | 23.36 | 23.01 | 24.54 |
| GPRS 4 Tx slots | 26.20 | 26.05 | 25.73 | 27.50 | 23.20 | 23.05 | 22.73 | 24.50 |
| EDGE 1 Tx slot | 24.56 | 24.26 | 24.63 | 25.80 | 15.56 | 15.26 | 15.63 | 16.80 |
| EDGE 2 Tx slots | 23.36 | 23.31 | 23.08 | 23.80 | 17.36 | 17.31 | 17.08 | 17.80 |
| EDGE 3 Tx slots | 22.13 | 21.90 | 21.72 | 22.80 | 17.87 | 17.64 | 17.46 | 18.54 |
| EDGE 4 Tx slots | 21.68 | 21.59 | 21.39 | 22.20 | 18.68 | 18.59 | 18.39 | 19.20 |

| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | |
| GSM 1 Tx slot | 23.56 | 23.73 | 23.60 | 24.50 | 14.56 | 14.73 | 14.60 | 15.50 |
| GPRS 1 Tx slot | 23.66 | 23.79 | 23.68 | 24.50 | 14.66 | 14.79 | 14.68 | 15.50 |
| GPRS 2 Tx slots | 21.20 | 21.29 | 21.10 | 22.00 | 15.20 | 15.29 | 15.10 | 16.00 |
| GPRS 3 Tx slots | 20.07 | 20.21 | 20.00 | 20.70 | 15.81 | 15.95 | 15.74 | 16.44 |
| GPRS 4 Tx slots | 18.62 | 18.76 | 18.60 | 19.20 | 15.62 | 15.76 | 15.60 | 16.20 |
| EDGE 1 Tx slot | 19.52 | 19.40 | 19.21 | 20.00 | 10.52 | 10.40 | 10.21 | 11.00 |
| EDGE 2 Tx slots | 18.25 | 18.17 | 18.11 | 18.90 | 12.25 | 12.17 | 12.11 | 12.90 |
| EDGE 3 Tx slots | 17.08 | 17.05 | 16.59 | 17.80 | 12.82 | 12.79 | 12.33 | 13.54 |
| EDGE 4 Tx slots | 16.17 | 15.97 | 15.77 | 16.80 | 13.17 | 12.97 | 12.77 | 13.80 |

<LAT>

| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | |
| GSM 1 Tx slot | 28.42 | 28.50 | 28.58 | 29.30 | 19.42 | 19.50 | 19.58 | 20.30 |
| GPRS 1 Tx slot | 28.39 | 28.48 | 28.56 | 29.30 | 19.39 | 19.48 | 19.56 | 20.30 |
| GPRS 2 Tx slots | 25.62 | 25.90 | 25.77 | 26.80 | 19.62 | 19.90 | 19.77 | 20.80 |
| GPRS 3 Tx slots | 24.74 | 24.88 | 24.87 | 25.50 | 20.48 | 20.62 | 20.61 | 21.24 |
| GPRS 4 Tx slots | 23.07 | 23.19 | 23.13 | 24.00 | 20.07 | 20.19 | 20.13 | 21.00 |
| EDGE 1 Tx slot | 23.97 | 23.72 | 23.86 | 24.80 | 14.97 | 14.72 | 14.86 | 15.80 |
| EDGE 2 Tx slots | 22.75 | 22.81 | 22.75 | 23.70 | 16.75 | 16.81 | 16.75 | 17.70 |
| EDGE 3 Tx slots | 21.68 | 21.60 | 21.75 | 22.60 | 17.42 | 17.34 | 17.49 | 18.34 |
| EDGE 4 Tx slots | 20.60 | 20.97 | 20.77 | 21.60 | 17.60 | 17.97 | 17.77 | 18.60 |

<WCDMA Conducted Power>

1. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
2. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
3. For HSPA+ devices supporting 16 QAM in the uplink, power measurements procedure is according to the configurations in Table C.11.1.4 of 3GPP TS 34.121-1.
4. For DC-HSDPA, the device was configured according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1, with the primary and the secondary serving HS-DSCH Cell enabled during the power measurement.

A summary of these settings are illustrated below:

HSDPA Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set Gain Factors (β_c and β_d) and parameters were set according to each
 - ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - iii. Set RMC 12.2Kbps + HSDPA mode.
 - iv. Set Cell Power = -86 dBm
 - v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
 - vi. Select HSDPA Uplink Parameters
 - vii. Set Delta ACK, Delta NACK and Delta CQI = 8
 - viii. Set Ack-Nack Repetition Factor to 3
 - ix. Set CQI Feedback Cycle (k) to 4 ms
 - x. Set CQI Repetition Factor to 2
 - xi. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

| Sub-test | β_c | β_d | β_d (SF) | β_c/β_d | β_{HS} (Note 1, Note 2) | CM (dB) (Note 3) | MPR (dB) (Note 3) |
|----------|-------------------|-------------------|-------------------|-------------------|-------------------------------------|---------------------|----------------------|
| 1 | 2/15 | 15/15 | 64 | 2/15 | 4/15 | 0.0 | 0.0 |
| 2 | 12/15 (Note 4) | 15/15 (Note 4) | 64 | 12/15 (Note 4) | 24/15 | 1.0 | 0.0 |
| 3 | 15/15 | 8/15 | 64 | 15/8 | 30/15 | 1.5 | 0.5 |
| 4 | 15/15 | 4/15 | 64 | 15/4 | 30/15 | 1.5 | 0.5 |

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and $\Delta_{NACK} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$, and $\Delta_{CQI} = 24/15$ with $\beta_{HS} = 24/15 * \beta_c$.

Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

Setup Configuration

HSUPA Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting * :
 - i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
 - ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
 - iii. Set Cell Power = -86 dBm
 - iv. Set Channel Type = 12.2k + HSPA
 - v. Set UE Target Power
 - vi. Power Ctrl Mode= Alternating bits
 - vii. Set and observe the E-TFCl
 - viii. Confirm that E-TFCl is equal to the target E-TFCl of 75 for sub-test 1, and other subtest's E-TFCl
- d. The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

| Sub-test | β_c | β_d | β_d (SF) | β_c/β_d | β_{HS} (Note1) | β_{ec} | β_{ed} (Note 4) (Note 5) | β_{ed} (SF) | β_{ed} (Codes) | CM (dB) (Note 2) | MPR (dB) (Note 2) (Note 6) | AG Index (Note 5) | E-TFCl |
|----------|----------------|----------------|----------------|-------------------|----------------------|--------------|--|-------------------|----------------------|------------------|----------------------------|-------------------|--------|
| 1 | 11/15 (Note 3) | 15/15 (Note 3) | 64 | 11/15 (Note 3) | 22/15 | 209/25 | 1309/225 | 4 | 1 | 1.0 | 0.0 | 20 | 75 |
| 2 | 6/15 | 15/15 | 64 | 6/15 | 12/15 | 12/15 | 94/75 | 4 | 1 | 3.0 | 2.0 | 12 | 67 |
| 3 | 15/15 | 9/15 | 64 | 15/9 | 30/15 | 30/15 | $\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$ | 4 4 | 2 | 2.0 | 1.0 | 15 | 92 |
| 4 | 2/15 | 15/15 | 64 | 2/15 | 4/15 | 2/15 | 56/75 | 4 | 1 | 3.0 | 2.0 | 17 | 71 |
| 5 | 15/15 | 0 | - | - | 5/15 | 5/15 | 47/15 | 4 | 1 | 1.0 | 0.0 | 12 | 67 |

Note 1: For sub-test 1 to 4, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$. For sub-test 5, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 5/15$ with $\beta_{hs} = 5/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

Setup Configuration

DC-HSDPA 3GPP release 8 Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration below
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set RMC 12.2Kbps + HSDPA mode.
 - ii. Set Cell Power = -25 dBm
 - iii. Set HS-DSCH Configuration Type to FRC (H-set 12, QPSK)
 - iv. Select HSDPA Uplink Parameters
 - v. Set Gain Factors (β_c and β_d) and parameters were set according to each Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - a). Subtest 1: $\beta_c/\beta_d=2/15$
 - b). Subtest 2: $\beta_c/\beta_d=12/15$
 - c). Subtest 3: $\beta_c/\beta_d=15/8$
 - d). Subtest 4: $\beta_c/\beta_d=15/4$
 - vi. Set Delta ACK, Delta NACK and Delta CQI = 8
 - vii. Set Ack-Nack Repetition Factor to 3
 - viii. Set CQI Feedback Cycle (k) to 4 ms
 - ix. Set CQI Repetition Factor to 2
 - x. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

C.8.1.12 Fixed Reference Channel Definition H-Set 12

Table C.8.1.12: Fixed Reference Channel H-Set 12

| Parameter | Unit | Value |
|--|-----------|-------|
| Nominal Avg. Inf. Bit Rate | kbps | 60 |
| Inter-TTI Distance | TTI's | 1 |
| Number of HARQ Processes | Processes | 6 |
| Information Bit Payload (N_{INF}) | Bits | 120 |
| Number Code Blocks | Blocks | 1 |
| Binary Channel Bits Per TTI | Bits | 960 |
| Total Available SML's in UE | SML's | 19200 |
| Number of SML's per HARQ Proc. | SML's | 3200 |
| Coding Rate | | 0.15 |
| Number of Physical Channel Codes | Codes | 1 |
| Modulation | | QPSK |
| Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table. Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used. | | |

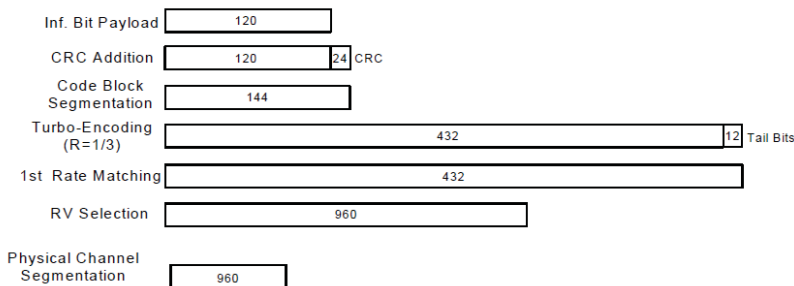


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

Setup Configuration

HSPA+ 3GPP release 7 (uplink category 7) 16QAM, Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting * :
 - i. Call Configs = 5.2E:HSPA+:UL with 16QAM
 - ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.4, quoted from the TS 34.121-1 s5.2E
 - iii. Set Channel Parm
 - iv. Set Cell Power = -86 dBm
 - v. Set Channel Type = HSPA
 - vi. Set UE Target Power =21 dBm
 - vii. Power Ctrl Mode= All Up Bits
 - viii. Set Manual Uplink DPCH Bc/Bd = Manual
 - ix. Set Manual Uplink DPCH Bc and Bd=15,15(for 34.121-1 v8.10.0 table C11.1.4 sub-test 1)
 - x. Set HSPA Conn DL Channel Levels
 - xi. Set HS-SCCH Configs
 - xii. Set RB Test Mode Setup
 - xiii. Set Common HSUPA Parameters
 - xiv. Set Serving Grant
 - xv. Confirm that E-TFCI is equal to the target E-TFCI of 105 for sub-test 1, and other subtest's E-TFCI
- d. The transmitted maximum output power was recorded.

Table C.11.1.4: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM

| Sub-test | β_c (Note 3) | β_d | β_{HS} (Note 1) | β_{ec} | β_{ed} (2xSF2) (Note 4) | β_{ed} (2xSF4) (Note 4) | CM (dB) (Note 2) | MPR (dB) (Note 2) | AG Index (Note 4) | E-TFCI (Note 5) | E-TFCI (boost) |
|----------|-----------------------|-----------|--------------------------|--------------|--|--|------------------------|-------------------------|-------------------------|--------------------|-------------------|
| 1 | 1 | 0 | 30/15 | 30/15 | β_{ed1} : 30/15 β_{ed2} : 30/15 | β_{ed3} : 24/15 β_{ed4} : 24/15 | 3.5 | 2.5 | 14 | 105 | 105 |

Note 1: $\Delta_{ACK}, \Delta_{NACK}$ and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).

Note 3: DPDCH is not configured, therefore the β_c is set to 1 and $\beta_d = 0$ by default.

Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signaled to use the extrapolation algorithm.

Setup Configuration



<WCDMA Conducted Power>

General Note:

- 1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA / HSPA+ is <= 1/4 dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA / HSPA+ to RMC12.2Kbps and the adjusted SAR is <= 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA / HSPA+) are less than 1/4 dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

<Full Power Mode>

<UAT>

Table with columns: Band, TX Channel, Rx Channel, Frequency (MHz), WCDMA II (9262, 9400, 9538), WCDMA IV (1312, 1413, 1513), WCDMA V (4132, 4182, 4233), Tune-up Limit (dBm), and SAR values for various 3GPP Rel 99, 3GPP Rel 6, 3GPP Rel 8, and 3GPP Rel 7 modes.

<LAT>

Table with columns: Band, TX Channel, Rx Channel, Frequency (MHz), WCDMA II (9262, 9400, 9538), WCDMA IV (1312, 1413, 1513), WCDMA V (4132, 4182, 4233), Tune-up Limit (dBm), and SAR values for various 3GPP Rel 99, 3GPP Rel 6, 3GPP Rel 8, and 3GPP Rel 7 modes.



**<Reduced Power Mode for Next-to-Head >
<UAT>**

| Band | | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) | WCDMA V | | | Tune-up Limit (dBm) |
|-----------------|-------------------------|----------|-------|--------|---------------------|----------|--------|-------|---------------------|---------|-------|-------|---------------------|
| TX Channel | | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | | 4132 | 4182 | 4233 | |
| Rx Channel | | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | | 4357 | 4407 | 4458 | |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | 826.4 | 836.4 | 846.6 | | | |
| 3GPP Rel 99 | AMR 12.2Kbps | 13.36 | 13.44 | 13.37 | 14.00 | 13.18 | 13.30 | 13.25 | 14.00 | 20.85 | 20.86 | 20.78 | 21.80 |
| 3GPP Rel 99 | RMC 12.2Kbps | 13.38 | 13.46 | 13.41 | 14.00 | 13.21 | 13.32 | 13.28 | 14.00 | 20.87 | 20.89 | 20.80 | 21.80 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 12.20 | 12.24 | 12.24 | 13.00 | 12.09 | 12.23 | 12.16 | 13.00 | 19.97 | 20.00 | 19.96 | 20.80 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 12.26 | 12.05 | 12.23 | 13.00 | 12.08 | 12.20 | 12.21 | 13.00 | 19.72 | 19.98 | 19.93 | 20.80 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 11.41 | 11.83 | 11.74 | 12.50 | 11.60 | 11.73 | 11.72 | 12.50 | 19.49 | 19.48 | 19.43 | 20.30 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 11.72 | 11.82 | 11.70 | 12.50 | 11.58 | 11.74 | 11.71 | 12.50 | 19.46 | 19.49 | 19.44 | 20.30 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 12.09 | 12.17 | 12.11 | 13.00 | 12.25 | 12.32 | 12.29 | 13.00 | 20.05 | 20.03 | 19.99 | 20.80 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 12.07 | 12.15 | 12.09 | 13.00 | 12.27 | 12.31 | 12.30 | 13.00 | 20.06 | 20.01 | 20.00 | 20.80 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 11.59 | 11.67 | 11.62 | 12.50 | 11.68 | 11.75 | 11.72 | 12.50 | 19.51 | 19.48 | 19.45 | 20.30 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 11.55 | 11.68 | 11.60 | 12.50 | 11.65 | 11.72 | 11.71 | 12.50 | 19.49 | 19.50 | 19.48 | 20.30 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 12.05 | 12.14 | 12.02 | 13.00 | 11.86 | 11.92 | 11.89 | 13.00 | 20.49 | 20.51 | 20.44 | 20.80 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 10.31 | 10.44 | 10.35 | 11.00 | 10.02 | 10.13 | 10.06 | 11.00 | 18.00 | 17.99 | 17.94 | 18.80 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 11.02 | 11.11 | 11.04 | 12.00 | 10.65 | 10.78 | 10.71 | 12.00 | 19.00 | 18.92 | 18.95 | 19.80 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 10.29 | 10.40 | 10.25 | 11.00 | 10.07 | 10.14 | 10.11 | 11.00 | 18.01 | 17.99 | 17.94 | 18.80 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 12.38 | 12.50 | 12.46 | 13.00 | 12.11 | 12.19 | 12.10 | 13.00 | 20.00 | 20.00 | 20.00 | 20.80 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 10.19 | 10.35 | 10.21 | 11.00 | 10.11 | 10.15 | 10.08 | 11.00 | 17.85 | 17.72 | 17.79 | 18.80 |

**<Reduced Power Mode for Hotspot On>
<UAT>**

| Band | | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) |
|-----------------|-------------------------|----------|-------|--------|---------------------|----------|--------|-------|---------------------|
| TX Channel | | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| Rx Channel | | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | | |
| 3GPP Rel 99 | AMR 12.2Kbps | 20.73 | 20.85 | 20.77 | 21.50 | 20.39 | 20.51 | 20.48 | 21.50 |
| 3GPP Rel 99 | RMC 12.2Kbps | 20.74 | 20.87 | 20.79 | 21.50 | 20.41 | 20.53 | 20.50 | 21.50 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 19.63 | 19.72 | 19.61 | 20.50 | 19.27 | 19.42 | 19.36 | 20.50 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 19.58 | 19.71 | 19.61 | 20.50 | 19.27 | 19.43 | 19.38 | 20.50 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 19.13 | 19.20 | 19.15 | 20.00 | 18.82 | 18.90 | 18.91 | 20.00 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 19.09 | 19.20 | 19.08 | 20.00 | 18.78 | 18.91 | 18.90 | 20.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 19.74 | 19.81 | 19.77 | 20.50 | 19.21 | 19.28 | 19.30 | 20.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 19.75 | 19.82 | 19.79 | 20.50 | 19.20 | 19.27 | 19.31 | 20.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 19.23 | 19.32 | 19.29 | 20.00 | 18.67 | 18.75 | 18.78 | 20.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 19.25 | 19.31 | 19.27 | 20.00 | 18.68 | 18.74 | 18.79 | 20.00 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 19.61 | 19.68 | 19.60 | 20.50 | 19.26 | 19.45 | 19.49 | 20.50 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 17.63 | 17.72 | 17.69 | 18.50 | 17.28 | 17.45 | 17.46 | 18.50 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 18.58 | 18.65 | 18.54 | 19.50 | 18.36 | 18.44 | 18.47 | 19.50 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 17.62 | 17.78 | 17.68 | 18.50 | 17.28 | 17.42 | 17.45 | 18.50 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 19.70 | 19.80 | 19.60 | 20.50 | 19.30 | 19.40 | 19.50 | 20.50 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 17.38 | 17.43 | 17.41 | 18.50 | 17.15 | 17.23 | 17.24 | 18.50 |



<LAT>

| Band | | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) |
|-----------------|-------------------------|----------|-------|--------|---------------------|----------|--------|-------|---------------------|
| TX Channel | | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| Rx Channel | | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | | |
| 3GPP Rel 99 | AMR 12.2Kbps | 19.48 | 19.58 | 19.57 | 20.30 | 21.00 | 21.13 | 21.10 | 21.80 |
| 3GPP Rel 99 | RMC 12.2Kbps | 19.51 | 19.62 | 19.59 | 20.30 | 21.01 | 21.15 | 21.13 | 21.80 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 18.34 | 18.46 | 18.44 | 19.30 | 19.89 | 20.04 | 20.04 | 20.80 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 18.16 | 18.44 | 18.45 | 19.30 | 19.92 | 20.06 | 20.03 | 20.80 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 17.82 | 17.95 | 17.94 | 18.80 | 19.39 | 19.56 | 19.53 | 20.30 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 17.86 | 17.99 | 17.93 | 18.80 | 19.40 | 19.55 | 19.53 | 20.30 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 18.19 | 18.31 | 18.25 | 19.30 | 19.81 | 19.95 | 19.89 | 20.80 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 18.18 | 18.32 | 18.24 | 19.30 | 19.82 | 19.94 | 19.87 | 20.80 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 17.70 | 17.77 | 17.73 | 18.80 | 19.35 | 19.44 | 19.38 | 20.30 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 17.69 | 17.77 | 17.74 | 18.80 | 19.34 | 19.43 | 19.39 | 20.30 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 18.36 | 18.53 | 18.50 | 19.30 | 19.98 | 20.10 | 20.06 | 20.80 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 16.37 | 16.50 | 16.50 | 17.30 | 18.00 | 18.09 | 18.12 | 18.80 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 17.40 | 17.53 | 17.49 | 18.30 | 18.99 | 19.19 | 19.02 | 19.80 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 16.34 | 16.49 | 16.51 | 17.30 | 18.39 | 18.13 | 18.12 | 18.80 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 18.38 | 18.48 | 18.48 | 19.30 | 19.60 | 19.60 | 20.10 | 20.80 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 16.13 | 16.22 | 16.20 | 17.30 | 18.25 | 18.31 | 18.12 | 18.80 |

<Reduced Power Mode for Sensor On>

<LAT>

| Band | | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) |
|-----------------|-------------------------|----------|-------|--------|---------------------|----------|--------|-------|---------------------|
| TX Channel | | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| Rx Channel | | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | | |
| 3GPP Rel 99 | AMR 12.2Kbps | 18.50 | 18.65 | 18.62 | 19.80 | 19.04 | 19.22 | 19.22 | 20.30 |
| 3GPP Rel 99 | RMC 12.2Kbps | 18.52 | 18.68 | 18.64 | 19.80 | 19.06 | 19.25 | 19.24 | 20.30 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 17.44 | 17.58 | 17.54 | 18.80 | 17.87 | 18.04 | 18.02 | 19.30 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 17.43 | 17.55 | 17.56 | 18.80 | 17.89 | 18.00 | 18.03 | 19.30 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 16.93 | 17.09 | 17.04 | 18.30 | 17.40 | 17.55 | 17.55 | 18.80 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 16.97 | 17.03 | 17.05 | 18.30 | 17.36 | 17.52 | 17.55 | 18.80 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 17.36 | 17.56 | 17.52 | 18.80 | 17.78 | 17.99 | 17.98 | 19.30 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 17.34 | 17.51 | 17.49 | 18.80 | 17.84 | 17.96 | 17.98 | 19.30 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 16.90 | 17.02 | 16.98 | 18.30 | 17.32 | 17.47 | 17.53 | 18.80 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 16.91 | 17.00 | 17.01 | 18.30 | 17.29 | 17.45 | 17.45 | 18.80 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 17.46 | 17.61 | 17.63 | 18.80 | 17.90 | 18.04 | 18.02 | 19.30 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 15.45 | 15.57 | 15.58 | 16.80 | 15.88 | 16.02 | 16.03 | 17.30 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 16.41 | 16.58 | 16.61 | 17.80 | 16.90 | 17.05 | 17.10 | 18.30 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 15.44 | 15.60 | 15.65 | 16.80 | 15.89 | 15.99 | 16.07 | 17.30 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 17.40 | 17.60 | 17.70 | 18.80 | 17.90 | 18.00 | 18.10 | 19.30 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 16.10 | 16.20 | 16.20 | 16.80 | 16.97 | 16.98 | 16.95 | 17.30 |

<CDMA2000 Conducted Power>

General Note:

1. Per KDB 941225 D01v03r01, SAR for head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55.
2. Per KDB 941225 D01v03r01, in Hotspot mode EUT is treated as data device and SAR is tested with Ev-Do Rev 0 (RTAP 153.6kbps) as the primary mode.
3. Per KDB 941225 D01v03r01, for Body-worn accessory SAR is measured in RC3 with the handset configured in TDSO/SO32 to transmit at full rate on FCH only with all other code channels disabled. The body-worn accessory procedures in KDB Publication 447498 are applied. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCH), with FCH only as the primary mode.

<Full Power Mode>

<UAT>

| Band | CDMA BC0 | | | Tune-up Limit (dBm) | CDMA BC1 | | | Tune-up Limit (dBm) | CDMA BC10 | | | Tune-up Limit (dBm) |
|------------------|----------|--------|--------|---------------------|----------|---------|-------|---------------------|-----------|-------|-------|---------------------|
| | 1013 | 384 | 777 | | 25 | 600 | 1175 | | 476 | 580 | 684 | |
| TX Channel | 824.7 | 836.52 | 848.31 | 1851.25 | 1880 | 1908.75 | 817.9 | 820.5 | 823.1 | | | |
| Frequency (MHz) | 824.7 | 836.52 | 848.31 | 1851.25 | 1880 | 1908.75 | 817.9 | 820.5 | 823.1 | | | |
| RC1 SO55 | 23.66 | 23.68 | 23.63 | 24.80 | 21.48 | 21.73 | 21.58 | 23.00 | 23.76 | 23.83 | 23.75 | 24.80 |
| RC3 SO55 | 23.57 | 23.60 | 23.54 | 24.80 | 21.45 | 21.70 | 21.54 | 23.00 | 23.74 | 23.79 | 23.69 | 24.80 |
| RC3 SO32 (F+SCH) | 23.57 | 23.59 | 23.53 | 24.80 | 21.44 | 21.69 | 21.53 | 23.00 | 23.71 | 23.75 | 23.67 | 24.80 |
| RC3 SO32 (+SCH) | 23.55 | 23.55 | 23.51 | 24.80 | 21.40 | 21.60 | 21.44 | 23.00 | 23.68 | 23.73 | 23.65 | 24.80 |
| RTAP 153.6Kbps | 23.50 | 23.51 | 23.49 | 24.80 | 21.38 | 21.57 | 21.42 | 23.00 | 23.65 | 23.72 | 23.62 | 24.80 |
| RETAP 4096Bits | 23.48 | 23.50 | 23.45 | 24.80 | 21.35 | 21.55 | 21.36 | 23.00 | 23.63 | 23.68 | 23.60 | 24.80 |

<LAT>

| Band | CDMA BC0 | | | Tune-up Limit (dBm) | CDMA BC1 | | | Tune-up Limit (dBm) | CDMA BC10 | | | Tune-up Limit (dBm) |
|------------------|----------|--------|--------|---------------------|----------|---------|-------|---------------------|-----------|-------|-------|---------------------|
| | 1013 | 384 | 777 | | 25 | 600 | 1175 | | 476 | 580 | 684 | |
| TX Channel | 824.7 | 836.52 | 848.31 | 1851.25 | 1880 | 1908.75 | 817.9 | 820.5 | 823.1 | | | |
| Frequency (MHz) | 824.7 | 836.52 | 848.31 | 1851.25 | 1880 | 1908.75 | 817.9 | 820.5 | 823.1 | | | |
| RC1 SO55 | 23.85 | 23.89 | 23.84 | 24.80 | 23.51 | 23.80 | 23.67 | 24.80 | 23.91 | 24.00 | 23.97 | 24.80 |
| RC3 SO55 | 23.84 | 23.87 | 23.82 | 24.80 | 23.50 | 23.79 | 23.66 | 24.80 | 23.90 | 23.99 | 23.96 | 24.80 |
| RC3 SO32 (F+SCH) | 23.82 | 23.87 | 23.82 | 24.80 | 23.48 | 23.76 | 23.64 | 24.80 | 23.88 | 23.97 | 23.94 | 24.80 |
| RC3 SO32 (+SCH) | 23.80 | 23.84 | 23.80 | 24.80 | 23.47 | 23.75 | 23.63 | 24.80 | 23.85 | 23.96 | 23.93 | 24.80 |
| RTAP 153.6Kbps | 23.79 | 23.81 | 23.78 | 24.80 | 23.45 | 23.73 | 23.60 | 24.80 | 23.84 | 23.96 | 23.93 | 24.80 |
| RETAP 4096Bits | 23.77 | 23.79 | 23.77 | 24.80 | 23.44 | 23.70 | 23.58 | 24.80 | 23.82 | 23.94 | 23.91 | 24.80 |

<Reduced Power Mode for Next-to-Head>

<UAT>

| Band | CDMA BC0 | | | Tune-up Limit (dBm) | CDMA BC1 | | | Tune-up Limit (dBm) | CDMA BC10 | | | Tune-up Limit (dBm) |
|------------------|----------|--------|--------|---------------------|----------|---------|-------|---------------------|-----------|-------|-------|---------------------|
| | 1013 | 384 | 777 | | 25 | 600 | 1175 | | 476 | 580 | 684 | |
| TX Channel | 824.7 | 836.52 | 848.31 | 1851.25 | 1880 | 1908.75 | 817.9 | 820.5 | 823.1 | | | |
| Frequency (MHz) | 824.7 | 836.52 | 848.31 | 1851.25 | 1880 | 1908.75 | 817.9 | 820.5 | 823.1 | | | |
| RC1 SO55 | 20.44 | 20.49 | 20.40 | 21.80 | 12.50 | 12.73 | 12.63 | 14.00 | 20.38 | 20.43 | 20.37 | 21.80 |
| RC3 SO55 | 20.35 | 20.36 | 20.35 | 21.80 | 12.48 | 12.72 | 12.58 | 14.00 | 20.35 | 20.39 | 20.33 | 21.80 |
| RC3 SO32 (F+SCH) | 20.39 | 20.37 | 20.32 | 21.80 | 12.42 | 12.71 | 12.54 | 14.00 | 20.32 | 20.35 | 20.30 | 21.80 |
| RC3 SO32 (+SCH) | 20.31 | 20.32 | 20.30 | 21.80 | 12.40 | 12.59 | 12.48 | 14.00 | 20.29 | 20.33 | 20.28 | 21.80 |
| RTAP 153.6Kbps | 20.26 | 20.27 | 20.25 | 21.80 | 12.37 | 12.58 | 12.43 | 14.00 | 20.26 | 20.32 | 20.23 | 21.80 |
| RETAP 4096Bits | 20.25 | 20.32 | 20.21 | 21.80 | 12.35 | 12.56 | 12.41 | 14.00 | 20.24 | 20.28 | 20.21 | 21.80 |



**<Reduced Power Mode for Hotspot On>
<UAT>**

| Band | CDMA BC0 | | | Tune-up Limit (dBm) | CDMA BC1 | | | Tune-up Limit (dBm) |
|------------------|------------|--------|--------|---------------------|----------|-------|---------|---------------------|
| | TX Channel | 1013 | 384 | | 777 | 25 | 600 | |
| Frequency (MHz) | 824.7 | 836.52 | 848.31 | | 1851.25 | 1880 | 1908.75 | |
| RC1 SO55 | 22.59 | 22.68 | 22.58 | 23.80 | 16.80 | 16.98 | 16.85 | 18.00 |
| RC3 SO55 | 22.54 | 22.64 | 22.51 | 23.80 | 16.76 | 16.96 | 16.82 | 18.00 |
| RC3 SO32 (F+SCH) | 22.52 | 22.62 | 22.51 | 23.80 | 16.76 | 16.94 | 16.81 | 18.00 |
| RC3 SO32 (+SCH) | 22.48 | 22.57 | 22.44 | 23.80 | 16.67 | 16.85 | 16.73 | 18.00 |
| RTAP 153.6Kbps | 22.54 | 22.63 | 22.52 | 23.80 | 16.78 | 16.96 | 16.82 | 18.00 |
| RETAP 4096Bits | 22.56 | 22.60 | 22.55 | 23.80 | 16.79 | 16.91 | 16.84 | 18.00 |

<LAT>

| Band | CDMA BC1 | | | Tune-up Limit (dBm) |
|------------------|------------|-------|---------|---------------------|
| | TX Channel | 25 | 600 | |
| Frequency (MHz) | 1851.25 | 1880 | 1908.75 | |
| RC1 SO55 | 19.96 | 20.16 | 20.02 | 21.30 |
| RC3 SO55 | 19.95 | 20.15 | 20.00 | 21.30 |
| RC3 SO32 (F+SCH) | 19.93 | 20.13 | 19.98 | 21.30 |
| RC3 SO32 (+SCH) | 19.92 | 20.11 | 19.96 | 21.30 |
| RTAP 153.6Kbps | 19.90 | 20.11 | 19.96 | 21.30 |
| RETAP 4096Bits | 19.89 | 20.10 | 19.95 | 21.30 |

**<Reduced Power Mode for Sensor On>
<UAT>**

| Band | CDMA BC1 | | | Tune-up Limit (dBm) |
|------------------|------------|-------|---------|---------------------|
| | TX Channel | 25 | 600 | |
| Frequency (MHz) | 1851.25 | 1880 | 1908.75 | |
| RC1 SO55 | 16.54 | 16.76 | 16.67 | 18.00 |
| RC3 SO55 | 16.52 | 16.74 | 16.65 | 18.00 |
| RC3 SO32 (F+SCH) | 16.50 | 16.73 | 16.63 | 18.00 |
| RC3 SO32 (+SCH) | 16.47 | 16.71 | 16.60 | 18.00 |
| RTAP 153.6Kbps | 16.45 | 16.69 | 16.58 | 18.00 |
| RETAP 4096Bits | 16.44 | 16.68 | 16.57 | 18.00 |

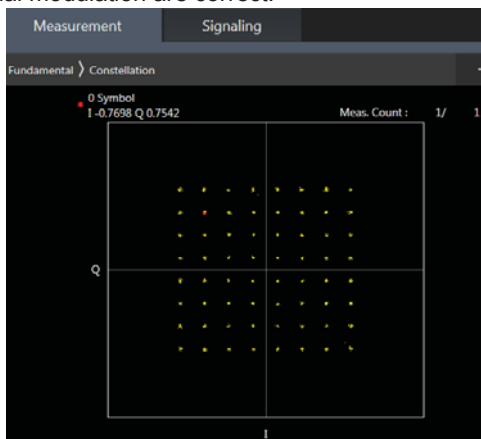
<LAT>

| Band | CDMA BC1 | | | Tune-up Limit (dBm) |
|------------------|------------|-------|---------|---------------------|
| | TX Channel | 25 | 600 | |
| Frequency (MHz) | 1851.25 | 1880 | 1908.75 | |
| RC1 SO55 | 19.69 | 19.97 | 19.86 | 20.80 |
| RC3 SO55 | 19.66 | 19.96 | 19.85 | 20.80 |
| RC3 SO32 (F+SCH) | 19.65 | 19.94 | 19.82 | 20.80 |
| RC3 SO32 (+SCH) | 19.64 | 19.93 | 19.81 | 20.80 |
| RTAP 153.6Kbps | 19.63 | 19.89 | 19.78 | 20.80 |
| RETAP 4096Bits | 19.61 | 19.87 | 19.75 | 20.80 |

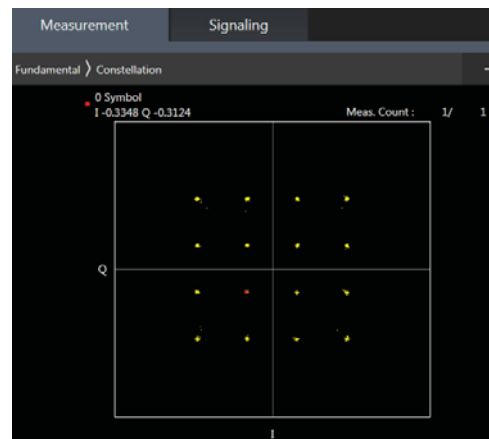
<LTE Conducted Power>

General Note:

1. Anritsu MT8820C base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
8. For LTE B5/B12/B26/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
9. LTE band 2/4/17/38 SAR test was covered by Band 25/66/12/41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. the maximum output power, including tolerance, for the smaller band is \leq the larger band to qualify for the SAR test exclusion
 - b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band
10. According to 2017 TCB workshop, for 64 QAM and 16 QAM should be verified by checking the signal constellation with a call box to avoid incorrect maximum power levels due to MPR and other requirements associated with signal modulation, and the following figure is taken from the "Fundamental Measurement >> Modulation Analysis >> constellation" mode of the device connect to the MT8821C base station, therefore, the device 64QAM and 16QAM signal modulation are correct.



64QAM



16QAM



UAT Full Power Mode

<LTE Band 2>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 21.05 | 21.09 | 21.02 | 22 | 0 |
| 20 | QPSK | 1 | 49 | 21.03 | 21.08 | 20.99 | | |
| 20 | QPSK | 1 | 99 | 20.98 | 21.02 | 20.95 | | |
| 20 | QPSK | 50 | 0 | 20.02 | 20.02 | 19.99 | 21 | 1 |
| 20 | QPSK | 50 | 24 | 20.08 | 20.12 | 20.01 | | |
| 20 | QPSK | 50 | 50 | 20.10 | 20.09 | 20.04 | | |
| 20 | QPSK | 100 | 0 | 20.02 | 20.06 | 20.05 | 21 | 1 |
| 20 | 16QAM | 1 | 0 | 20.26 | 20.33 | 20.32 | | |
| 20 | 16QAM | 1 | 49 | 20.17 | 20.26 | 20.26 | | |
| 20 | 16QAM | 1 | 99 | 20.13 | 20.23 | 20.13 | 20 | 2 |
| 20 | 16QAM | 50 | 0 | 18.87 | 18.94 | 18.89 | | |
| 20 | 16QAM | 50 | 24 | 19.02 | 19.02 | 18.97 | | |
| 20 | 16QAM | 50 | 50 | 18.98 | 19.04 | 19.02 | 20 | 2 |
| 20 | 16QAM | 100 | 0 | 18.95 | 18.92 | 18.92 | | |
| 20 | 64QAM | 1 | 0 | 19.08 | 19.17 | 19.13 | | |
| 20 | 64QAM | 1 | 49 | 19.03 | 19.09 | 19.06 | 20 | 2 |
| 20 | 64QAM | 1 | 99 | 18.97 | 19.09 | 19.01 | | |
| 20 | 64QAM | 50 | 0 | 17.79 | 17.90 | 17.88 | | |
| 20 | 64QAM | 50 | 24 | 17.93 | 17.95 | 17.96 | 19 | 3 |
| 20 | 64QAM | 50 | 50 | 17.90 | 17.98 | 17.98 | | |
| 20 | 64QAM | 100 | 0 | 17.89 | 17.88 | 17.88 | | |
| 20 | 256QAM | 1 | 0 | 16.00 | 16.06 | 16.03 | 17 | 2 |
| 20 | 256QAM | 1 | 49 | 16.32 | 16.42 | 16.33 | | |
| 20 | 256QAM | 1 | 99 | 16.14 | 16.23 | 16.21 | | |
| 20 | 256QAM | 50 | 0 | 16.30 | 16.31 | 16.28 | 17 | 3 |
| 20 | 256QAM | 50 | 24 | 16.35 | 16.39 | 16.34 | | |
| 20 | 256QAM | 50 | 50 | 16.41 | 16.48 | 16.46 | | |
| 20 | 256QAM | 100 | 0 | 16.25 | 16.35 | 16.31 | | |
| Channel | | | | 18675 | 18900 | 19125 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 20.79 | 20.93 | 20.93 | 22 | 0 |
| 15 | QPSK | 1 | 37 | 20.83 | 20.92 | 20.89 | | |
| 15 | QPSK | 1 | 74 | 20.77 | 20.89 | 20.89 | | |
| 15 | QPSK | 36 | 0 | 19.87 | 19.91 | 19.89 | 21 | 1 |
| 15 | QPSK | 36 | 20 | 20.01 | 19.97 | 20.04 | | |
| 15 | QPSK | 36 | 39 | 20.01 | 20.04 | 19.98 | | |
| 15 | QPSK | 75 | 0 | 19.97 | 19.92 | 20.00 | 21 | 1 |
| 15 | 16QAM | 1 | 0 | 20.06 | 20.27 | 20.28 | | |
| 15 | 16QAM | 1 | 37 | 20.26 | 20.25 | 20.18 | | |
| 15 | 16QAM | 1 | 74 | 20.09 | 20.20 | 20.15 | 20 | 2 |
| 15 | 16QAM | 36 | 0 | 18.90 | 18.95 | 18.87 | | |
| 15 | 16QAM | 36 | 20 | 19.03 | 19.01 | 19.04 | | |
| 15 | 16QAM | 36 | 39 | 18.98 | 19.05 | 19.00 | 20 | 2 |
| 15 | 16QAM | 75 | 0 | 18.99 | 18.95 | 19.03 | | |
| 15 | 64QAM | 1 | 0 | 18.84 | 19.08 | 19.02 | | |
| 15 | 64QAM | 1 | 37 | 19.02 | 19.14 | 18.99 | 20 | 2 |
| 15 | 64QAM | 1 | 74 | 18.88 | 19.03 | 18.98 | | |
| 15 | 64QAM | 36 | 0 | 17.84 | 17.93 | 17.90 | | |
| 15 | 64QAM | 36 | 20 | 17.96 | 17.96 | 18.04 | 19 | 3 |
| 15 | 64QAM | 36 | 39 | 17.98 | 18.01 | 17.96 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 64QAM | 75 | 0 | 17.90 | 17.88 | 17.97 | | |
| 15 | 256QAM | 1 | 0 | 15.99 | 15.96 | 15.96 | 17 | 2 |
| 15 | 256QAM | 1 | 37 | 16.22 | 16.36 | 16.23 | | |
| 15 | 256QAM | 1 | 74 | 16.04 | 16.15 | 16.21 | | |
| 15 | 256QAM | 36 | 0 | 16.30 | 16.22 | 16.28 | 17 | 3 |
| 15 | 256QAM | 36 | 20 | 16.35 | 16.31 | 16.31 | | |
| 15 | 256QAM | 36 | 39 | 16.38 | 16.44 | 16.44 | | |
| 15 | 256QAM | 75 | 0 | 16.24 | 16.29 | 16.30 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 20.39 | 20.45 | 20.78 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 20.71 | 20.77 | 20.74 | | |
| 10 | QPSK | 1 | 49 | 20.44 | 20.47 | 20.69 | | |
| 10 | QPSK | 25 | 0 | 19.69 | 19.78 | 19.76 | 21 | 1 |
| 10 | QPSK | 25 | 12 | 19.85 | 19.84 | 19.82 | | |
| 10 | QPSK | 25 | 25 | 19.71 | 19.80 | 19.80 | | |
| 10 | QPSK | 50 | 0 | 19.76 | 19.75 | 19.75 | | |
| 10 | 16QAM | 1 | 0 | 19.79 | 19.86 | 20.22 | 21 | 1 |
| 10 | 16QAM | 1 | 25 | 20.10 | 20.19 | 20.11 | | |
| 10 | 16QAM | 1 | 49 | 19.84 | 19.85 | 20.14 | | |
| 10 | 16QAM | 25 | 0 | 18.68 | 18.76 | 18.78 | 20 | 2 |
| 10 | 16QAM | 25 | 12 | 18.84 | 18.85 | 18.82 | | |
| 10 | 16QAM | 25 | 25 | 18.70 | 18.79 | 18.78 | | |
| 10 | 16QAM | 50 | 0 | 18.76 | 18.77 | 18.73 | | |
| 10 | 64QAM | 1 | 0 | 18.59 | 18.65 | 18.92 | 20 | 2 |
| 10 | 64QAM | 1 | 25 | 18.97 | 19.05 | 18.97 | | |
| 10 | 64QAM | 1 | 49 | 18.63 | 18.82 | 18.92 | | |
| 10 | 64QAM | 25 | 0 | 17.71 | 17.81 | 17.65 | 19 | 3 |
| 10 | 64QAM | 25 | 12 | 17.86 | 17.85 | 17.74 | | |
| 10 | 64QAM | 25 | 25 | 17.72 | 17.80 | 17.69 | | |
| 10 | 64QAM | 50 | 0 | 17.76 | 17.74 | 17.65 | | |
| 10 | 256QAM | 1 | 0 | 15.94 | 16.00 | 16.01 | 17 | 2 |
| 10 | 256QAM | 1 | 25 | 16.22 | 16.41 | 16.26 | | |
| 10 | 256QAM | 1 | 49 | 16.11 | 16.21 | 16.17 | | |
| 10 | 256QAM | 25 | 0 | 16.23 | 16.29 | 16.21 | 17 | 3 |
| 10 | 256QAM | 25 | 12 | 16.30 | 16.38 | 16.34 | | |
| 10 | 256QAM | 25 | 25 | 16.36 | 16.46 | 16.43 | | |
| 10 | 256QAM | 50 | 0 | 16.15 | 16.27 | 16.29 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 20.72 | 20.66 | 20.66 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 20.76 | 20.81 | 20.78 | | |
| 5 | QPSK | 1 | 24 | 20.61 | 20.68 | 20.68 | | |
| 5 | QPSK | 12 | 0 | 19.83 | 19.87 | 19.87 | 21 | 1 |
| 5 | QPSK | 12 | 7 | 19.85 | 19.92 | 19.87 | | |
| 5 | QPSK | 12 | 13 | 19.77 | 19.88 | 19.83 | | |
| 5 | QPSK | 25 | 0 | 19.80 | 19.84 | 19.81 | | |
| 5 | 16QAM | 1 | 0 | 20.06 | 19.99 | 19.96 | 21 | 1 |
| 5 | 16QAM | 1 | 12 | 20.01 | 20.06 | 19.99 | | |
| 5 | 16QAM | 1 | 24 | 19.92 | 20.01 | 19.99 | | |
| 5 | 16QAM | 12 | 0 | 18.86 | 18.93 | 18.87 | 20 | 2 |
| 5 | 16QAM | 12 | 7 | 18.88 | 18.98 | 18.87 | | |
| 5 | 16QAM | 12 | 13 | 18.77 | 18.89 | 18.83 | | |
| 5 | 16QAM | 25 | 0 | 18.79 | 18.89 | 18.82 | | |
| 5 | 64QAM | 1 | 0 | 18.94 | 18.90 | 18.81 | 20 | 2 |
| 5 | 64QAM | 1 | 12 | 18.97 | 18.98 | 18.83 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 1 | 24 | 18.81 | 18.90 | 18.71 | | |
| 5 | 64QAM | 12 | 0 | 17.86 | 17.93 | 17.82 | 19 | 3 |
| 5 | 64QAM | 12 | 7 | 17.85 | 17.97 | 17.79 | | |
| 5 | 64QAM | 12 | 13 | 17.78 | 17.90 | 17.73 | | |
| 5 | 64QAM | 25 | 0 | 17.74 | 17.84 | 17.71 | | |
| 5 | 256QAM | 1 | 0 | 15.96 | 16.04 | 15.95 | 17 | 2 |
| 5 | 256QAM | 1 | 12 | 16.23 | 16.42 | 16.31 | | |
| 5 | 256QAM | 1 | 24 | 16.08 | 16.23 | 16.21 | | |
| 5 | 256QAM | 12 | 0 | 16.22 | 16.22 | 16.20 | 17 | 3 |
| 5 | 256QAM | 12 | 7 | 16.29 | 16.30 | 16.29 | | |
| 5 | 256QAM | 12 | 13 | 16.33 | 16.38 | 16.40 | | |
| 5 | 256QAM | 25 | 0 | 16.23 | 16.31 | 16.23 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 20.79 | 20.76 | 20.79 | 22 | 0 |
| 3 | QPSK | 1 | 8 | 20.80 | 20.84 | 20.82 | | |
| 3 | QPSK | 1 | 14 | 20.68 | 20.76 | 20.70 | | |
| 3 | QPSK | 8 | 0 | 19.87 | 19.91 | 19.93 | 21 | 1 |
| 3 | QPSK | 8 | 4 | 19.85 | 19.94 | 19.93 | | |
| 3 | QPSK | 8 | 7 | 19.80 | 19.93 | 19.86 | | |
| 3 | QPSK | 15 | 0 | 19.84 | 19.87 | 19.91 | | |
| 3 | 16QAM | 1 | 0 | 20.12 | 20.17 | 20.16 | 21 | 1 |
| 3 | 16QAM | 1 | 8 | 20.20 | 20.18 | 20.22 | | |
| 3 | 16QAM | 1 | 14 | 20.06 | 20.07 | 20.09 | | |
| 3 | 16QAM | 8 | 0 | 18.90 | 18.96 | 18.97 | 20 | 2 |
| 3 | 16QAM | 8 | 4 | 18.89 | 19.00 | 18.98 | | |
| 3 | 16QAM | 8 | 7 | 18.83 | 18.96 | 18.91 | | |
| 3 | 16QAM | 15 | 0 | 18.87 | 18.91 | 18.94 | | |
| 3 | 64QAM | 1 | 0 | 18.93 | 18.94 | 18.92 | | |
| 3 | 64QAM | 1 | 8 | 18.96 | 19.05 | 18.91 | 20 | 2 |
| 3 | 64QAM | 1 | 14 | 18.79 | 18.93 | 18.74 | | |
| 3 | 64QAM | 8 | 0 | 17.90 | 17.92 | 17.85 | | |
| 3 | 64QAM | 8 | 4 | 17.90 | 17.99 | 17.83 | 19 | 3 |
| 3 | 64QAM | 8 | 7 | 17.86 | 17.90 | 17.73 | | |
| 3 | 64QAM | 15 | 0 | 17.84 | 17.82 | 17.73 | | |
| 3 | 256QAM | 1 | 0 | 15.97 | 16.00 | 16.01 | | |
| 3 | 256QAM | 1 | 8 | 16.25 | 16.34 | 16.23 | 17 | 2 |
| 3 | 256QAM | 1 | 14 | 16.08 | 16.20 | 16.18 | | |
| 3 | 256QAM | 8 | 0 | 16.25 | 16.30 | 16.22 | | |
| 3 | 256QAM | 8 | 4 | 16.32 | 16.38 | 16.28 | 17 | 3 |
| 3 | 256QAM | 8 | 7 | 16.31 | 16.46 | 16.36 | | |
| 3 | 256QAM | 15 | 0 | 16.15 | 16.35 | 16.25 | | |
| Channel | | | | 18607 | 18900 | 19193 | | |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 20.67 | 20.72 | 20.69 | 22 | 0 |
| 1.4 | QPSK | 1 | 3 | 20.74 | 20.79 | 20.74 | | |
| 1.4 | QPSK | 1 | 5 | 20.62 | 20.71 | 20.67 | | |
| 1.4 | QPSK | 3 | 0 | 20.69 | 20.80 | 20.72 | | |
| 1.4 | QPSK | 3 | 1 | 20.73 | 20.79 | 20.77 | | |
| 1.4 | QPSK | 3 | 3 | 20.72 | 20.72 | 20.70 | 21 | 1 |
| 1.4 | QPSK | 6 | 0 | 19.75 | 19.89 | 19.82 | | |
| 1.4 | 16QAM | 1 | 0 | 20.06 | 20.12 | 20.02 | | |
| 1.4 | 16QAM | 1 | 3 | 20.12 | 20.17 | 20.03 | | |
| 1.4 | 16QAM | 1 | 5 | 20.00 | 20.04 | 20.00 | 21 | 1 |
| 1.4 | 16QAM | 3 | 0 | 19.82 | 19.87 | 19.85 | | |
| 1.4 | 16QAM | 3 | 1 | 19.85 | 19.94 | 19.84 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 3 | 3 | 19.80 | 19.81 | 19.80 | | |
| 1.4 | 16QAM | 6 | 0 | 18.85 | 19.00 | 18.91 | 20 | 2 |
| 1.4 | 64QAM | 1 | 0 | 18.91 | 18.95 | 18.87 | 20 | 2 |
| 1.4 | 64QAM | 1 | 3 | 18.92 | 19.01 | 18.89 | | |
| 1.4 | 64QAM | 1 | 5 | 18.87 | 18.95 | 18.78 | | |
| 1.4 | 64QAM | 3 | 0 | 18.89 | 18.90 | 18.75 | | |
| 1.4 | 64QAM | 3 | 1 | 18.88 | 18.94 | 18.78 | | |
| 1.4 | 64QAM | 3 | 3 | 18.83 | 18.89 | 18.74 | | |
| 1.4 | 64QAM | 6 | 0 | 17.74 | 17.81 | 17.67 | 19 | 3 |
| 1.4 | 256QAM | 1 | 0 | 15.92 | 16.03 | 15.94 | 17 | 2 |
| 1.4 | 256QAM | 1 | 3 | 16.26 | 16.39 | 16.27 | | |
| 1.4 | 256QAM | 1 | 5 | 16.13 | 16.20 | 16.19 | | |
| 1.4 | 256QAM | 3 | 0 | 16.24 | 16.26 | 16.28 | | |
| 1.4 | 256QAM | 3 | 1 | 16.30 | 16.29 | 16.28 | | |
| 1.4 | 256QAM | 3 | 3 | 16.37 | 16.42 | 16.40 | | |
| 1.4 | 256QAM | 6 | 0 | 16.19 | 16.99 | 16.30 | 17 | 3 |



<LTE Band 4>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20050 | 20175 | 20300 | | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 20.56 | 20.71 | 20.68 | | |
| 20 | QPSK | 1 | 49 | 20.62 | 20.69 | 20.63 | 22 | 0 |
| 20 | QPSK | 1 | 99 | 20.52 | 20.56 | 20.52 | | |
| 20 | QPSK | 50 | 0 | 19.76 | 19.87 | 19.84 | | |
| 20 | QPSK | 50 | 24 | 19.94 | 19.97 | 19.88 | 21 | 1 |
| 20 | QPSK | 50 | 50 | 19.83 | 19.84 | 19.85 | | |
| 20 | QPSK | 100 | 0 | 19.81 | 19.80 | 19.85 | | |
| 20 | 16QAM | 1 | 0 | 19.88 | 19.85 | 19.81 | 21 | 1 |
| 20 | 16QAM | 1 | 49 | 20.04 | 20.08 | 20.03 | | |
| 20 | 16QAM | 1 | 99 | 19.80 | 19.77 | 19.63 | | |
| 20 | 16QAM | 50 | 0 | 18.78 | 18.81 | 18.76 | 20 | 2 |
| 20 | 16QAM | 50 | 24 | 18.94 | 18.93 | 18.80 | | |
| 20 | 16QAM | 50 | 50 | 18.78 | 18.84 | 18.79 | | |
| 20 | 16QAM | 100 | 0 | 18.79 | 18.77 | 18.71 | 20 | 2 |
| 20 | 64QAM | 1 | 0 | 18.91 | 18.97 | 18.98 | | |
| 20 | 64QAM | 1 | 49 | 19.11 | 19.22 | 19.22 | | |
| 20 | 64QAM | 1 | 99 | 18.93 | 18.90 | 18.91 | 19 | 3 |
| 20 | 64QAM | 50 | 0 | 17.94 | 18.04 | 18.01 | | |
| 20 | 64QAM | 50 | 24 | 18.06 | 18.16 | 17.99 | | |
| 20 | 64QAM | 50 | 50 | 17.97 | 18.03 | 18.00 | 17 | 2 |
| 20 | 64QAM | 100 | 0 | 17.97 | 17.98 | 17.94 | | |
| 20 | 256QAM | 1 | 0 | 15.56 | 15.71 | 15.68 | | |
| 20 | 256QAM | 1 | 49 | 15.62 | 15.69 | 15.63 | 17 | 3 |
| 20 | 256QAM | 1 | 99 | 15.52 | 15.56 | 15.52 | | |
| 20 | 256QAM | 50 | 0 | 15.58 | 15.76 | 15.71 | | |
| 20 | 256QAM | 50 | 24 | 15.70 | 15.65 | 15.69 | 17 | 3 |
| 20 | 256QAM | 50 | 50 | 15.43 | 15.60 | 15.55 | | |
| 20 | 256QAM | 100 | 0 | 15.65 | 15.81 | 15.65 | | |
| Channel | | | | 20025 | 20175 | 20325 | | |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | |
| 15 | QPSK | 1 | 0 | 20.65 | 20.66 | 20.62 | | |
| 15 | QPSK | 1 | 37 | 20.56 | 20.55 | 20.56 | 22 | 0 |
| 15 | QPSK | 1 | 74 | 20.57 | 20.61 | 20.59 | | |
| 15 | QPSK | 36 | 0 | 19.74 | 19.80 | 19.74 | | |
| 15 | QPSK | 36 | 20 | 19.89 | 19.94 | 19.86 | 21 | 1 |
| 15 | QPSK | 36 | 39 | 19.84 | 19.86 | 19.80 | | |
| 15 | QPSK | 75 | 0 | 19.80 | 19.79 | 19.82 | | |
| 15 | 16QAM | 1 | 0 | 19.86 | 19.90 | 20.01 | 21 | 1 |
| 15 | 16QAM | 1 | 37 | 19.99 | 20.11 | 20.11 | | |
| 15 | 16QAM | 1 | 74 | 19.81 | 19.94 | 19.89 | | |
| 15 | 16QAM | 36 | 0 | 18.80 | 18.79 | 18.78 | 20 | 2 |
| 15 | 16QAM | 36 | 20 | 18.89 | 18.93 | 18.89 | | |
| 15 | 16QAM | 36 | 39 | 18.87 | 18.83 | 18.83 | | |
| 15 | 16QAM | 75 | 0 | 18.82 | 18.82 | 18.85 | 20 | 2 |
| 15 | 64QAM | 1 | 0 | 19.05 | 19.06 | 18.91 | | |
| 15 | 64QAM | 1 | 37 | 19.21 | 19.35 | 19.12 | | |
| 15 | 64QAM | 1 | 74 | 19.07 | 19.06 | 18.95 | 19 | 3 |
| 15 | 64QAM | 36 | 0 | 17.93 | 18.07 | 18.02 | | |
| 15 | 64QAM | 36 | 20 | 18.03 | 18.22 | 18.12 | | |
| 15 | 64QAM | 36 | 39 | 17.99 | 18.07 | 18.06 | 19 | 3 |
| 15 | 64QAM | 75 | 0 | 17.97 | 18.01 | 18.06 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 15.50 | 15.80 | 15.74 | 17 | 2 |
| 15 | 256QAM | 1 | 37 | 15.71 | 15.66 | 15.60 | | |
| 15 | 256QAM | 1 | 74 | 15.46 | 15.64 | 15.51 | | |
| 15 | 256QAM | 36 | 0 | 15.68 | 15.77 | 15.73 | 17 | 3 |
| 15 | 256QAM | 36 | 20 | 15.67 | 15.57 | 15.60 | | |
| 15 | 256QAM | 36 | 39 | 15.35 | 15.70 | 15.53 | | |
| 15 | 256QAM | 75 | 0 | 15.59 | 15.79 | 15.60 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 20000 | 20175 | 20350 | | |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 20.31 | 20.29 | 20.28 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 20.59 | 20.65 | 20.53 | | |
| 10 | QPSK | 1 | 49 | 20.26 | 20.29 | 20.19 | | |
| 10 | QPSK | 25 | 0 | 19.57 | 19.61 | 19.54 | 21 | 1 |
| 10 | QPSK | 25 | 12 | 19.71 | 19.73 | 19.68 | | |
| 10 | QPSK | 25 | 25 | 19.55 | 19.61 | 19.55 | | |
| 10 | QPSK | 50 | 0 | 19.62 | 19.67 | 19.60 | 21 | 1 |
| 10 | 16QAM | 1 | 0 | 19.68 | 19.74 | 19.64 | | |
| 10 | 16QAM | 1 | 25 | 19.88 | 20.03 | 19.96 | | |
| 10 | 16QAM | 1 | 49 | 19.59 | 19.73 | 19.59 | 20 | 2 |
| 10 | 16QAM | 25 | 0 | 18.54 | 18.60 | 18.55 | | |
| 10 | 16QAM | 25 | 12 | 18.71 | 18.75 | 18.68 | | |
| 10 | 16QAM | 25 | 25 | 18.55 | 18.62 | 18.51 | 20 | 2 |
| 10 | 16QAM | 50 | 0 | 18.61 | 18.64 | 18.60 | | |
| 10 | 64QAM | 1 | 0 | 18.65 | 18.82 | 18.72 | | |
| 10 | 64QAM | 1 | 25 | 19.00 | 19.08 | 19.00 | 20 | 2 |
| 10 | 64QAM | 1 | 49 | 18.59 | 18.75 | 18.65 | | |
| 10 | 64QAM | 25 | 0 | 17.70 | 17.84 | 17.78 | | |
| 10 | 64QAM | 25 | 12 | 17.86 | 18.01 | 17.92 | 19 | 3 |
| 10 | 64QAM | 25 | 25 | 17.73 | 17.87 | 17.75 | | |
| 10 | 64QAM | 50 | 0 | 17.78 | 17.91 | 17.80 | | |
| 10 | 256QAM | 1 | 0 | 15.54 | 15.86 | 15.69 | 17 | 2 |
| 10 | 256QAM | 1 | 25 | 15.68 | 15.74 | 15.70 | | |
| 10 | 256QAM | 1 | 49 | 15.50 | 15.60 | 15.45 | | |
| 10 | 256QAM | 25 | 0 | 15.70 | 15.73 | 15.64 | 17 | 3 |
| 10 | 256QAM | 25 | 12 | 15.65 | 15.53 | 15.66 | | |
| 10 | 256QAM | 25 | 25 | 15.31 | 15.67 | 15.46 | | |
| 10 | 256QAM | 50 | 0 | 15.68 | 15.78 | 15.63 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 19975 | 20175 | 20375 | | |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 20.54 | 20.58 | 20.49 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 20.61 | 20.68 | 20.56 | | |
| 5 | QPSK | 1 | 24 | 20.52 | 20.52 | 20.46 | | |
| 5 | QPSK | 12 | 0 | 19.69 | 19.72 | 19.64 | 21 | 1 |
| 5 | QPSK | 12 | 7 | 19.71 | 19.74 | 19.74 | | |
| 5 | QPSK | 12 | 13 | 19.66 | 19.72 | 19.63 | | |
| 5 | QPSK | 25 | 0 | 19.64 | 19.72 | 19.59 | 21 | 1 |
| 5 | 16QAM | 1 | 0 | 19.96 | 19.93 | 19.88 | | |
| 5 | 16QAM | 1 | 12 | 20.00 | 19.95 | 19.96 | | |
| 5 | 16QAM | 1 | 24 | 19.87 | 19.84 | 19.77 | 21 | 1 |
| 5 | 16QAM | 12 | 0 | 18.72 | 18.74 | 18.67 | | |
| 5 | 16QAM | 12 | 7 | 18.74 | 18.78 | 18.76 | | |
| 5 | 16QAM | 12 | 13 | 18.65 | 18.69 | 18.64 | 20 | 2 |
| 5 | 16QAM | 25 | 0 | 18.67 | 18.74 | 18.61 | | |
| 5 | 64QAM | 1 | 0 | 18.92 | 19.07 | 18.92 | | |
| 5 | 64QAM | 1 | 12 | 18.95 | 19.04 | 18.96 | 20 | 2 |
| 5 | 64QAM | 1 | 24 | 18.88 | 18.92 | 18.93 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 17.87 | 17.96 | 17.84 | 19 | 3 |
| 5 | 64QAM | 12 | 7 | 17.92 | 18.03 | 17.90 | | |
| 5 | 64QAM | 12 | 13 | 17.84 | 17.97 | 17.88 | | |
| 5 | 64QAM | 25 | 0 | 17.83 | 17.96 | 17.76 | 17 | 2 |
| 5 | 256QAM | 1 | 0 | 15.58 | 15.95 | 15.78 | | |
| 5 | 256QAM | 1 | 12 | 15.78 | 15.81 | 15.63 | | |
| 5 | 256QAM | 1 | 24 | 15.55 | 15.63 | 15.41 | 17 | 3 |
| 5 | 256QAM | 12 | 0 | 15.73 | 15.73 | 15.62 | | |
| 5 | 256QAM | 12 | 7 | 15.57 | 15.61 | 15.63 | | |
| 5 | 256QAM | 12 | 13 | 15.33 | 15.60 | 15.53 | | |
| 5 | 256QAM | 25 | 0 | 15.69 | 15.86 | 15.63 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 19965 | 20175 | 20385 | | |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | |
| 3 | QPSK | 1 | 0 | 20.68 | 20.66 | 20.60 | 22 | 0 |
| 3 | QPSK | 1 | 8 | 20.68 | 20.63 | 20.65 | | |
| 3 | QPSK | 1 | 14 | 20.56 | 20.62 | 20.52 | | |
| 3 | QPSK | 8 | 0 | 19.72 | 19.76 | 19.68 | 21 | 1 |
| 3 | QPSK | 8 | 4 | 19.72 | 19.80 | 19.71 | | |
| 3 | QPSK | 8 | 7 | 19.71 | 19.70 | 19.66 | | |
| 3 | QPSK | 15 | 0 | 19.72 | 19.72 | 19.64 | | |
| 3 | 16QAM | 1 | 0 | 19.98 | 20.03 | 19.91 | 21 | 1 |
| 3 | 16QAM | 1 | 8 | 20.05 | 20.06 | 19.98 | | |
| 3 | 16QAM | 1 | 14 | 19.88 | 19.99 | 19.90 | | |
| 3 | 16QAM | 8 | 0 | 18.81 | 18.84 | 18.72 | 20 | 2 |
| 3 | 16QAM | 8 | 4 | 18.80 | 18.82 | 18.77 | | |
| 3 | 16QAM | 8 | 7 | 18.75 | 18.75 | 18.71 | | |
| 3 | 16QAM | 15 | 0 | 18.76 | 18.78 | 18.68 | | |
| 3 | 64QAM | 1 | 0 | 19.08 | 19.25 | 19.01 | 20 | 2 |
| 3 | 64QAM | 1 | 8 | 19.12 | 19.24 | 19.06 | | |
| 3 | 64QAM | 1 | 14 | 18.99 | 19.11 | 18.96 | | |
| 3 | 64QAM | 8 | 0 | 17.92 | 18.00 | 17.92 | 19 | 3 |
| 3 | 64QAM | 8 | 4 | 17.91 | 18.02 | 17.91 | | |
| 3 | 64QAM | 8 | 7 | 17.85 | 17.96 | 17.81 | | |
| 3 | 64QAM | 15 | 0 | 17.84 | 17.94 | 17.85 | | |
| 3 | 256QAM | 1 | 0 | 15.60 | 15.94 | 15.74 | 17 | 2 |
| 3 | 256QAM | 1 | 8 | 15.73 | 15.78 | 15.55 | | |
| 3 | 256QAM | 1 | 14 | 15.53 | 15.67 | 15.35 | | |
| 3 | 256QAM | 8 | 0 | 15.78 | 15.73 | 15.56 | 17 | 3 |
| 3 | 256QAM | 8 | 4 | 15.54 | 15.52 | 15.61 | | |
| 3 | 256QAM | 8 | 7 | 15.42 | 15.51 | 15.46 | | |
| 3 | 256QAM | 15 | 0 | 15.71 | 15.78 | 15.64 | | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | |
| 1.4 | QPSK | 1 | 0 | 20.51 | 20.56 | 20.49 | 22 | 0 |
| 1.4 | QPSK | 1 | 3 | 20.55 | 20.62 | 20.52 | | |
| 1.4 | QPSK | 1 | 5 | 20.49 | 20.52 | 20.46 | | |
| 1.4 | QPSK | 3 | 0 | 20.59 | 20.60 | 20.56 | | |
| 1.4 | QPSK | 3 | 1 | 20.58 | 20.60 | 20.57 | | |
| 1.4 | QPSK | 3 | 3 | 20.55 | 20.60 | 20.47 | 21 | 1 |
| 1.4 | QPSK | 6 | 0 | 19.58 | 19.63 | 19.56 | | |
| 1.4 | 16QAM | 1 | 0 | 19.88 | 19.88 | 19.80 | 21 | 1 |
| 1.4 | 16QAM | 1 | 3 | 19.98 | 19.95 | 19.89 | | |
| 1.4 | 16QAM | 1 | 5 | 19.86 | 19.85 | 19.77 | | |
| 1.4 | 16QAM | 3 | 0 | 19.68 | 19.72 | 19.65 | | |
| 1.4 | 16QAM | 3 | 1 | 19.70 | 19.73 | 19.71 | | |
| 1.4 | 16QAM | 3 | 3 | 19.64 | 19.68 | 19.58 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 6 | 0 | 18.69 | 18.68 | 18.67 | 20 | 2 |
| 1.4 | 64QAM | 1 | 0 | 18.91 | 19.04 | 18.87 | 20 | 2 |
| 1.4 | 64QAM | 1 | 3 | 19.00 | 19.10 | 18.96 | | |
| 1.4 | 64QAM | 1 | 5 | 18.88 | 19.00 | 18.88 | | |
| 1.4 | 64QAM | 3 | 0 | 18.91 | 19.02 | 18.87 | | |
| 1.4 | 64QAM | 3 | 1 | 19.00 | 19.06 | 18.97 | | |
| 1.4 | 64QAM | 3 | 3 | 18.87 | 19.03 | 18.86 | | |
| 1.4 | 64QAM | 6 | 0 | 17.78 | 17.85 | 17.71 | 19 | 3 |
| 1.4 | 256QAM | 1 | 0 | 15.57 | 16.00 | 15.83 | 17 | 2 |
| 1.4 | 256QAM | 1 | 3 | 15.75 | 15.68 | 15.46 | | |
| 1.4 | 256QAM | 1 | 5 | 15.47 | 15.75 | 15.28 | | |
| 1.4 | 256QAM | 3 | 0 | 15.80 | 15.76 | 15.55 | | |
| 1.4 | 256QAM | 3 | 1 | 15.51 | 15.61 | 15.63 | | |
| 1.4 | 256QAM | 3 | 3 | 15.50 | 15.44 | 15.53 | | |
| 1.4 | 256QAM | 6 | 0 | 15.75 | 15.70 | 15.71 | 17 | 3 |



<LTE Band 5>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------------------|----------|
| Channel | | | | 20450 | 20525 | 20600 | | | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | | | |
| 10 | QPSK | 1 | 0 | 22.51 | 22.55 | 22.59 | 23.8 | 0 | | |
| 10 | QPSK | 1 | 25 | 22.58 | 22.58 | 22.50 | | | | |
| 10 | QPSK | 1 | 49 | 22.68 | 22.61 | 22.65 | | | | |
| 10 | QPSK | 25 | 0 | 21.62 | 21.61 | 21.63 | 22.8 | 1 | | |
| 10 | QPSK | 25 | 12 | 21.72 | 21.62 | 21.64 | | | | |
| 10 | QPSK | 25 | 25 | 21.65 | 21.61 | 21.59 | | | | |
| 10 | QPSK | 50 | 0 | 21.63 | 21.55 | 21.60 | 22.8 | 1 | | |
| 10 | 16QAM | 1 | 0 | 21.90 | 22.13 | 22.20 | | | | |
| 10 | 16QAM | 1 | 25 | 21.86 | 22.29 | 22.17 | | | | |
| 10 | 16QAM | 1 | 49 | 22.09 | 22.23 | 22.11 | 21.8 | 2 | | |
| 10 | 16QAM | 25 | 0 | 20.81 | 20.75 | 20.73 | | | | |
| 10 | 16QAM | 25 | 12 | 20.80 | 20.73 | 20.66 | | | | |
| 10 | 16QAM | 25 | 25 | 20.68 | 20.80 | 20.67 | 21.8 | 2 | | |
| 10 | 16QAM | 50 | 0 | 20.71 | 20.58 | 20.63 | | | | |
| 10 | 64QAM | 1 | 0 | 20.75 | 20.78 | 20.78 | | | | |
| 10 | 64QAM | 1 | 25 | 20.83 | 20.81 | 20.84 | 21.8 | 2 | | |
| 10 | 64QAM | 1 | 49 | 20.84 | 20.85 | 20.70 | | | | |
| 10 | 64QAM | 25 | 0 | 19.60 | 19.63 | 19.61 | | | | |
| 10 | 64QAM | 25 | 12 | 19.67 | 19.64 | 19.64 | 20.8 | 3 | | |
| 10 | 64QAM | 25 | 25 | 19.61 | 19.66 | 19.62 | | | | |
| 10 | 64QAM | 50 | 0 | 19.60 | 19.58 | 19.53 | | | | |
| 10 | 256QAM | 1 | 0 | 17.47 | 17.59 | 17.54 | 18.8 | 2 | | |
| 10 | 256QAM | 1 | 25 | 17.58 | 17.59 | 17.43 | | | | |
| 10 | 256QAM | 1 | 49 | 17.66 | 17.55 | 17.58 | | | | |
| 10 | 256QAM | 25 | 0 | 17.57 | 17.54 | 17.52 | 18.8 | 3 | | |
| 10 | 256QAM | 25 | 12 | 17.64 | 17.51 | 17.46 | | | | |
| 10 | 256QAM | 25 | 25 | 17.66 | 17.58 | 17.48 | | | | |
| 10 | 256QAM | 50 | 0 | 17.63 | 17.58 | 17.44 | 18.8 | 3 | | |
| Channel | | | | 20425 | 20525 | 20625 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | | | |
| 5 | QPSK | 1 | 0 | 22.59 | 22.40 | 22.42 | 23.8 | 0 | | |
| 5 | QPSK | 1 | 12 | 22.59 | 22.58 | 22.59 | | | | |
| 5 | QPSK | 1 | 24 | 22.64 | 22.59 | 22.47 | | | | |
| 5 | QPSK | 12 | 0 | 21.75 | 21.68 | 21.61 | 22.8 | 1 | | |
| 5 | QPSK | 12 | 7 | 21.72 | 21.74 | 21.63 | | | | |
| 5 | QPSK | 12 | 13 | 21.70 | 21.69 | 21.62 | | | | |
| 5 | QPSK | 25 | 0 | 21.72 | 21.58 | 21.61 | 22.8 | 1 | | |
| 5 | 16QAM | 1 | 0 | 21.95 | 21.81 | 21.71 | | | | |
| 5 | 16QAM | 1 | 12 | 21.97 | 21.87 | 21.78 | | | | |
| 5 | 16QAM | 1 | 24 | 22.05 | 22.01 | 21.72 | 21.8 | 2 | | |
| 5 | 16QAM | 12 | 0 | 20.67 | 20.55 | 20.54 | | | | |
| 5 | 16QAM | 12 | 7 | 20.81 | 20.74 | 20.63 | | | | |
| 5 | 16QAM | 12 | 13 | 20.69 | 20.69 | 20.70 | 21.8 | 2 | | |
| 5 | 16QAM | 25 | 0 | 20.68 | 20.62 | 20.63 | | | | |
| 5 | 64QAM | 1 | 0 | 20.76 | 20.73 | 20.69 | | | | |
| 5 | 64QAM | 1 | 12 | 20.83 | 20.78 | 20.84 | 21.8 | 2 | | |
| 5 | 64QAM | 1 | 24 | 20.87 | 20.78 | 20.71 | | | | |
| 5 | 64QAM | 12 | 0 | 19.69 | 19.61 | 19.67 | | | | |
| 5 | 64QAM | 12 | 7 | 19.71 | 19.73 | 19.67 | 20.8 | 3 | | |
| 5 | 64QAM | 12 | 13 | 19.67 | 19.70 | 19.64 | | | | |
| 5 | 64QAM | 25 | 0 | 19.63 | 19.58 | 19.57 | | | | |



| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 17.56 | 17.58 | 17.47 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.60 | 17.56 | 17.44 | | |
| 5 | 256QAM | 1 | 24 | 17.57 | 17.63 | 17.57 | | |
| 5 | 256QAM | 12 | 0 | 17.53 | 17.52 | 17.42 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.70 | 17.50 | 17.47 | | |
| 5 | 256QAM | 12 | 13 | 17.64 | 17.54 | 17.53 | | |
| 5 | 256QAM | 25 | 0 | 17.59 | 17.68 | 17.43 | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.68 | 22.49 | 22.49 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.62 | 22.55 | 22.64 | | |
| 3 | QPSK | 1 | 14 | 22.64 | 22.52 | 22.47 | | |
| 3 | QPSK | 8 | 0 | 21.75 | 21.71 | 21.64 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 21.74 | 21.74 | 21.68 | | |
| 3 | QPSK | 8 | 7 | 21.73 | 21.75 | 21.69 | | |
| 3 | QPSK | 15 | 0 | 21.73 | 21.68 | 21.62 | | |
| 3 | 16QAM | 1 | 0 | 22.18 | 21.75 | 21.83 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 21.95 | 21.89 | 21.81 | | |
| 3 | 16QAM | 1 | 14 | 22.26 | 21.86 | 21.74 | | |
| 3 | 16QAM | 8 | 0 | 20.77 | 20.68 | 20.68 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 20.89 | 20.79 | 20.67 | | |
| 3 | 16QAM | 8 | 7 | 20.85 | 20.82 | 20.76 | | |
| 3 | 16QAM | 15 | 0 | 20.80 | 20.62 | 20.67 | | |
| 3 | 64QAM | 1 | 0 | 20.81 | 20.75 | 20.79 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 20.91 | 20.87 | 20.87 | | |
| 3 | 64QAM | 1 | 14 | 20.91 | 20.79 | 20.75 | | |
| 3 | 64QAM | 8 | 0 | 19.67 | 19.68 | 19.65 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.74 | 19.76 | 19.72 | | |
| 3 | 64QAM | 8 | 7 | 19.66 | 19.71 | 19.61 | | |
| 3 | 64QAM | 15 | 0 | 19.64 | 19.64 | 19.67 | | |
| 3 | 256QAM | 1 | 0 | 17.59 | 17.48 | 17.44 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.56 | 17.50 | 17.36 | | |
| 3 | 256QAM | 1 | 14 | 17.47 | 17.69 | 17.59 | | |
| 3 | 256QAM | 8 | 0 | 17.56 | 17.42 | 17.43 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.76 | 17.58 | 17.46 | | |
| 3 | 256QAM | 8 | 7 | 17.55 | 17.54 | 17.54 | | |
| 3 | 256QAM | 15 | 0 | 17.49 | 17.73 | 17.49 | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.54 | 22.41 | 22.49 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.64 | 22.55 | 22.49 | | |
| 1.4 | QPSK | 1 | 5 | 22.58 | 22.56 | 22.42 | | |
| 1.4 | QPSK | 3 | 0 | 22.62 | 22.46 | 22.48 | 22.8 | 1 |
| 1.4 | QPSK | 3 | 1 | 22.65 | 22.47 | 22.44 | | |
| 1.4 | QPSK | 3 | 3 | 22.67 | 22.58 | 22.43 | | |
| 1.4 | QPSK | 6 | 0 | 21.67 | 21.57 | 21.51 | | |
| 1.4 | 16QAM | 1 | 0 | 21.65 | 21.51 | 21.50 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 21.67 | 21.67 | 21.70 | | |
| 1.4 | 16QAM | 1 | 5 | 21.61 | 21.60 | 21.63 | | |
| 1.4 | 16QAM | 3 | 0 | 21.78 | 21.62 | 21.60 | 21.8 | 2 |
| 1.4 | 16QAM | 3 | 1 | 21.85 | 21.55 | 21.63 | | |
| 1.4 | 16QAM | 3 | 3 | 21.70 | 21.67 | 21.57 | | |
| 1.4 | 16QAM | 6 | 0 | 20.69 | 20.62 | 20.54 | | |
| 1.4 | 64QAM | 1 | 0 | 20.80 | 20.72 | 20.71 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.83 | 20.78 | 20.71 | | |
| 1.4 | 64QAM | 1 | 5 | 20.77 | 20.70 | 20.62 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 20.70 | 20.63 | 20.67 | | |
| 1.4 | 64QAM | 3 | 1 | 20.76 | 20.70 | 20.72 | | |
| 1.4 | 64QAM | 3 | 3 | 20.69 | 20.71 | 20.65 | | |
| 1.4 | 64QAM | 6 | 0 | 19.61 | 19.55 | 19.54 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.49 | 17.50 | 17.46 | 18.8 | 2 |
| 1.4 | 256QAM | 1 | 3 | 17.58 | 17.40 | 17.39 | | |
| 1.4 | 256QAM | 1 | 5 | 17.50 | 17.79 | 17.50 | | |
| 1.4 | 256QAM | 3 | 0 | 17.65 | 17.43 | 17.48 | | |
| 1.4 | 256QAM | 3 | 1 | 17.81 | 17.49 | 17.52 | | |
| 1.4 | 256QAM | 3 | 3 | 17.62 | 17.55 | 17.58 | | |
| 1.4 | 256QAM | 6 | 0 | 17.52 | 17.74 | 17.50 | 18.8 | 3 |



<LTE Band 7>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 21.26 | 21.16 | 21.09 | 21.8 | 0 |
| 20 | QPSK | 1 | 49 | 21.24 | 21.13 | 21.08 | | |
| 20 | QPSK | 1 | 99 | 21.22 | 21.10 | 21.05 | | |
| 20 | QPSK | 50 | 0 | 20.34 | 20.28 | 20.16 | 20.8 | 1 |
| 20 | QPSK | 50 | 24 | 20.37 | 20.32 | 20.21 | | |
| 20 | QPSK | 50 | 50 | 20.32 | 20.25 | 20.07 | | |
| 20 | QPSK | 100 | 0 | 20.27 | 20.21 | 20.13 | 20.8 | 1 |
| 20 | 16QAM | 1 | 0 | 20.12 | 20.15 | 20.09 | | |
| 20 | 16QAM | 1 | 49 | 20.18 | 20.25 | 20.04 | | |
| 20 | 16QAM | 1 | 99 | 20.21 | 20.23 | 20.11 | 19.8 | 2 |
| 20 | 16QAM | 50 | 0 | 18.93 | 18.94 | 18.88 | | |
| 20 | 16QAM | 50 | 24 | 18.97 | 18.90 | 18.89 | | |
| 20 | 16QAM | 50 | 50 | 19.00 | 18.94 | 18.86 | 19.8 | 2 |
| 20 | 16QAM | 100 | 0 | 18.88 | 18.84 | 18.80 | | |
| 20 | 64QAM | 1 | 0 | 18.66 | 18.61 | 18.70 | | |
| 20 | 64QAM | 1 | 49 | 18.72 | 18.75 | 18.71 | 19.8 | 2 |
| 20 | 64QAM | 1 | 99 | 18.80 | 18.70 | 18.65 | | |
| 20 | 64QAM | 50 | 0 | 17.69 | 17.66 | 17.70 | | |
| 20 | 64QAM | 50 | 24 | 17.71 | 17.70 | 17.71 | 18.8 | 3 |
| 20 | 64QAM | 50 | 50 | 17.70 | 17.72 | 17.70 | | |
| 20 | 64QAM | 100 | 0 | 17.63 | 17.60 | 17.59 | | |
| 20 | 256QAM | 1 | 0 | 16.22 | 16.16 | 16.12 | 16.8 | 2 |
| 20 | 256QAM | 1 | 49 | 16.24 | 16.19 | 16.11 | | |
| 20 | 256QAM | 1 | 99 | 16.18 | 16.16 | 16.13 | | |
| 20 | 256QAM | 50 | 0 | 16.26 | 16.15 | 16.02 | 16.8 | 3 |
| 20 | 256QAM | 50 | 24 | 16.19 | 16.23 | 16.09 | | |
| 20 | 256QAM | 50 | 50 | 16.22 | 16.18 | 16.05 | | |
| 20 | 256QAM | 100 | 0 | 16.20 | 16.21 | 16.06 | | |
| Channel | | | | 20825 | 21100 | 21375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 20.80 | 20.81 | 20.77 | 21.8 | 0 |
| 15 | QPSK | 1 | 37 | 20.84 | 20.83 | 20.70 | | |
| 15 | QPSK | 1 | 74 | 20.84 | 20.85 | 20.69 | | |
| 15 | QPSK | 36 | 0 | 19.96 | 19.90 | 19.86 | 20.8 | 1 |
| 15 | QPSK | 36 | 20 | 20.00 | 19.93 | 19.89 | | |
| 15 | QPSK | 36 | 39 | 19.98 | 19.94 | 19.87 | | |
| 15 | QPSK | 75 | 0 | 19.95 | 19.91 | 19.83 | | |
| 15 | 16QAM | 1 | 0 | 20.17 | 20.17 | 20.08 | 20.8 | 1 |
| 15 | 16QAM | 1 | 37 | 20.24 | 20.23 | 20.06 | | |
| 15 | 16QAM | 1 | 74 | 20.31 | 20.24 | 20.11 | | |
| 15 | 16QAM | 36 | 0 | 18.94 | 18.92 | 18.85 | 19.8 | 2 |
| 15 | 16QAM | 36 | 20 | 19.00 | 18.95 | 18.86 | | |
| 15 | 16QAM | 36 | 39 | 18.98 | 18.95 | 18.83 | | |
| 15 | 16QAM | 75 | 0 | 18.95 | 18.91 | 18.83 | | |
| 15 | 64QAM | 1 | 0 | 18.66 | 18.71 | 18.77 | 19.8 | 2 |
| 15 | 64QAM | 1 | 37 | 18.74 | 18.81 | 18.80 | | |
| 15 | 64QAM | 1 | 74 | 18.72 | 18.70 | 18.66 | | |
| 15 | 64QAM | 36 | 0 | 17.73 | 17.71 | 17.69 | 18.8 | 3 |
| 15 | 64QAM | 36 | 20 | 17.71 | 17.73 | 17.70 | | |
| 15 | 64QAM | 36 | 39 | 17.72 | 17.68 | 17.71 | | |
| 15 | 64QAM | 75 | 0 | 17.64 | 17.63 | 17.67 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 15.89 | 15.84 | 15.68 | 16.8 | 2 |
| 15 | 256QAM | 1 | 37 | 15.94 | 15.75 | 15.74 | | |
| 15 | 256QAM | 1 | 74 | 15.87 | 15.72 | 15.65 | | |
| 15 | 256QAM | 36 | 0 | 15.92 | 15.76 | 15.69 | 16.8 | 3 |
| 15 | 256QAM | 36 | 20 | 15.95 | 15.78 | 15.74 | | |
| 15 | 256QAM | 36 | 39 | 15.88 | 15.80 | 15.60 | | |
| 15 | 256QAM | 75 | 0 | 15.87 | 15.80 | 15.52 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 20.59 | 20.65 | 20.45 | 21.8 | 0 |
| 10 | QPSK | 1 | 25 | 20.61 | 20.69 | 20.51 | | |
| 10 | QPSK | 1 | 49 | 20.66 | 20.64 | 20.50 | | |
| 10 | QPSK | 25 | 0 | 19.74 | 19.78 | 19.58 | 20.8 | 1 |
| 10 | QPSK | 25 | 12 | 19.78 | 19.79 | 19.64 | | |
| 10 | QPSK | 25 | 25 | 19.75 | 19.72 | 19.62 | | |
| 10 | QPSK | 50 | 0 | 19.70 | 19.67 | 19.56 | | |
| 10 | 16QAM | 1 | 0 | 19.99 | 20.06 | 19.87 | 20.8 | 1 |
| 10 | 16QAM | 1 | 25 | 20.01 | 20.06 | 19.88 | | |
| 10 | 16QAM | 1 | 49 | 20.05 | 20.06 | 19.89 | | |
| 10 | 16QAM | 25 | 0 | 18.76 | 18.80 | 18.59 | 19.8 | 2 |
| 10 | 16QAM | 25 | 12 | 18.77 | 18.83 | 18.64 | | |
| 10 | 16QAM | 25 | 25 | 18.74 | 18.66 | 18.58 | | |
| 10 | 16QAM | 50 | 0 | 18.68 | 18.68 | 18.53 | | |
| 10 | 64QAM | 1 | 0 | 18.57 | 18.68 | 18.61 | 19.8 | 2 |
| 10 | 64QAM | 1 | 25 | 18.55 | 18.76 | 18.64 | | |
| 10 | 64QAM | 1 | 49 | 18.56 | 18.62 | 18.54 | | |
| 10 | 64QAM | 25 | 0 | 17.41 | 17.54 | 17.42 | 18.8 | 3 |
| 10 | 64QAM | 25 | 12 | 17.47 | 17.54 | 17.43 | | |
| 10 | 64QAM | 25 | 25 | 17.43 | 17.48 | 17.42 | | |
| 10 | 64QAM | 50 | 0 | 17.39 | 17.42 | 17.38 | | |
| 10 | 256QAM | 1 | 0 | 15.65 | 15.67 | 15.52 | 16.8 | 2 |
| 10 | 256QAM | 1 | 25 | 15.66 | 15.70 | 15.46 | | |
| 10 | 256QAM | 1 | 49 | 15.75 | 15.65 | 15.58 | | |
| 10 | 256QAM | 25 | 0 | 15.59 | 15.72 | 15.47 | 16.8 | 3 |
| 10 | 256QAM | 25 | 12 | 15.56 | 15.80 | 15.53 | | |
| 10 | 256QAM | 25 | 25 | 15.83 | 15.67 | 15.67 | | |
| 10 | 256QAM | 50 | 0 | 15.68 | 15.81 | 15.50 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 20.66 | 20.67 | 20.52 | 21.8 | 0 |
| 5 | QPSK | 1 | 12 | 20.66 | 20.72 | 20.55 | | |
| 5 | QPSK | 1 | 24 | 20.65 | 20.69 | 20.53 | | |
| 5 | QPSK | 12 | 0 | 19.73 | 19.79 | 19.62 | 20.8 | 1 |
| 5 | QPSK | 12 | 7 | 19.75 | 19.80 | 19.60 | | |
| 5 | QPSK | 12 | 13 | 19.73 | 19.82 | 19.60 | | |
| 5 | QPSK | 25 | 0 | 19.74 | 19.77 | 19.61 | | |
| 5 | 16QAM | 1 | 0 | 19.99 | 20.03 | 19.87 | 20.8 | 1 |
| 5 | 16QAM | 1 | 12 | 19.97 | 20.01 | 19.82 | | |
| 5 | 16QAM | 1 | 24 | 19.94 | 20.04 | 19.87 | | |
| 5 | 16QAM | 12 | 0 | 18.77 | 18.82 | 18.60 | 19.8 | 2 |
| 5 | 16QAM | 12 | 7 | 18.83 | 18.83 | 18.69 | | |
| 5 | 16QAM | 12 | 13 | 18.79 | 18.81 | 18.64 | | |
| 5 | 16QAM | 25 | 0 | 18.75 | 18.80 | 18.62 | | |
| 5 | 64QAM | 1 | 0 | 18.56 | 18.70 | 18.58 | 19.8 | 2 |
| 5 | 64QAM | 1 | 12 | 18.54 | 18.66 | 18.55 | | |
| 5 | 64QAM | 1 | 24 | 18.56 | 18.68 | 18.56 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 17.44 | 17.56 | 17.45 | 18.8 | 3 |
| 5 | 64QAM | 12 | 7 | 17.51 | 17.62 | 17.53 | | |
| 5 | 64QAM | 12 | 13 | 17.44 | 17.54 | 17.42 | | |
| 5 | 64QAM | 25 | 0 | 17.39 | 17.48 | 17.39 | 16.8 | 2 |
| 5 | 256QAM | 1 | 0 | 15.68 | 15.71 | 15.61 | | |
| 5 | 256QAM | 1 | 12 | 15.60 | 15.63 | 15.38 | | |
| 5 | 256QAM | 1 | 24 | 15.71 | 15.63 | 15.63 | 16.8 | 3 |
| 5 | 256QAM | 12 | 0 | 15.57 | 15.66 | 15.47 | | |
| 5 | 256QAM | 12 | 7 | 15.63 | 15.83 | 15.50 | | |
| 5 | 256QAM | 12 | 13 | 15.81 | 15.69 | 15.77 | | |
| 5 | 256QAM | 25 | 0 | 15.72 | 15.80 | 15.54 | | |



<LTE Band 12>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23060 | 23095 | 23130 | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | |
| 10 | QPSK | 1 | 0 | 22.75 | 22.66 | 22.74 | | |
| 10 | QPSK | 1 | 25 | 22.97 | 22.98 | 22.82 | 23.8 | 0 |
| 10 | QPSK | 1 | 49 | 22.73 | 22.88 | 22.69 | | |
| 10 | QPSK | 25 | 0 | 21.86 | 21.80 | 21.75 | | |
| 10 | QPSK | 25 | 12 | 21.95 | 21.99 | 21.89 | 22.8 | 1 |
| 10 | QPSK | 25 | 25 | 21.82 | 21.91 | 21.75 | | |
| 10 | QPSK | 50 | 0 | 21.85 | 21.89 | 21.70 | | |
| 10 | 16QAM | 1 | 0 | 22.31 | 22.21 | 22.25 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.33 | 22.22 | 22.04 | | |
| 10 | 16QAM | 1 | 49 | 22.24 | 22.26 | 22.25 | | |
| 10 | 16QAM | 25 | 0 | 20.87 | 20.81 | 20.79 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 20.92 | 20.80 | 20.86 | | |
| 10 | 16QAM | 25 | 25 | 20.69 | 20.82 | 20.95 | | |
| 10 | 16QAM | 50 | 0 | 20.88 | 20.74 | 20.73 | 21.8 | 2 |
| 10 | 64QAM | 1 | 0 | 21.06 | 21.02 | 20.96 | | |
| 10 | 64QAM | 1 | 25 | 21.07 | 21.09 | 20.96 | | |
| 10 | 64QAM | 1 | 49 | 21.06 | 21.06 | 20.99 | 20.8 | 3 |
| 10 | 64QAM | 25 | 0 | 19.76 | 19.75 | 19.75 | | |
| 10 | 64QAM | 25 | 12 | 19.93 | 19.89 | 19.92 | | |
| 10 | 64QAM | 25 | 25 | 19.88 | 19.91 | 19.86 | 20.8 | 3 |
| 10 | 64QAM | 50 | 0 | 19.87 | 19.76 | 19.79 | | |
| 10 | 256QAM | 1 | 0 | 17.75 | 17.66 | 17.74 | | |
| 10 | 256QAM | 1 | 25 | 17.97 | 17.98 | 17.82 | 18.8 | 2 |
| 10 | 256QAM | 1 | 49 | 17.73 | 17.88 | 17.69 | | |
| 10 | 256QAM | 25 | 0 | 17.75 | 17.67 | 17.79 | | |
| 10 | 256QAM | 25 | 12 | 17.90 | 18.07 | 17.91 | 18.8 | 3 |
| 10 | 256QAM | 25 | 25 | 17.82 | 17.96 | 17.67 | | |
| 10 | 256QAM | 50 | 0 | 17.66 | 17.63 | 17.65 | | |
| Channel | | | | 23035 | 23095 | 23155 | | |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 22.85 | 22.78 | 22.76 | | |
| 5 | QPSK | 1 | 12 | 22.87 | 22.86 | 22.84 | 23.8 | 0 |
| 5 | QPSK | 1 | 24 | 22.80 | 22.85 | 22.71 | | |
| 5 | QPSK | 12 | 0 | 21.93 | 21.91 | 21.77 | | |
| 5 | QPSK | 12 | 7 | 21.99 | 21.94 | 21.88 | 22.8 | 1 |
| 5 | QPSK | 12 | 13 | 21.93 | 21.88 | 21.80 | | |
| 5 | QPSK | 25 | 0 | 21.89 | 21.88 | 21.85 | | |
| 5 | 16QAM | 1 | 0 | 21.92 | 21.75 | 21.72 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 22.01 | 21.81 | 21.84 | | |
| 5 | 16QAM | 1 | 24 | 21.96 | 21.90 | 21.73 | | |
| 5 | 16QAM | 12 | 0 | 20.99 | 20.92 | 20.99 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 20.97 | 20.97 | 20.90 | | |
| 5 | 16QAM | 12 | 13 | 20.98 | 20.91 | 20.95 | | |
| 5 | 16QAM | 25 | 0 | 20.96 | 20.89 | 20.84 | 21.8 | 2 |
| 5 | 64QAM | 1 | 0 | 21.05 | 20.95 | 20.88 | | |
| 5 | 64QAM | 1 | 12 | 21.00 | 21.02 | 20.99 | | |
| 5 | 64QAM | 1 | 24 | 21.01 | 21.03 | 20.93 | 20.8 | 3 |
| 5 | 64QAM | 12 | 0 | 19.92 | 19.88 | 19.84 | | |
| 5 | 64QAM | 12 | 7 | 19.96 | 19.98 | 19.88 | | |
| 5 | 64QAM | 12 | 13 | 19.94 | 19.93 | 19.85 | 20.8 | 3 |
| 5 | 64QAM | 25 | 0 | 19.90 | 19.83 | 19.80 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 17.81 | 17.57 | 17.81 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.95 | 17.89 | 17.88 | | |
| 5 | 256QAM | 1 | 24 | 17.68 | 17.97 | 17.69 | | |
| 5 | 256QAM | 12 | 0 | 17.85 | 17.77 | 17.79 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 18.00 | 18.04 | 17.85 | | |
| 5 | 256QAM | 12 | 13 | 17.91 | 18.03 | 17.68 | | |
| 5 | 256QAM | 25 | 0 | 17.72 | 17.53 | 17.56 | | |
| Channel | | | | 23025 | 23095 | 23165 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | |
| 3 | QPSK | 1 | 0 | 22.91 | 22.83 | 22.79 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.95 | 22.94 | 22.83 | | |
| 3 | QPSK | 1 | 14 | 22.92 | 22.83 | 22.73 | | |
| 3 | QPSK | 8 | 0 | 21.95 | 21.91 | 21.89 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 22.03 | 21.96 | 21.87 | | |
| 3 | QPSK | 8 | 7 | 21.90 | 21.91 | 21.82 | | |
| 3 | QPSK | 15 | 0 | 21.93 | 21.90 | 21.94 | | |
| 3 | 16QAM | 1 | 0 | 22.50 | 22.34 | 22.29 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 22.49 | 22.47 | 22.32 | | |
| 3 | 16QAM | 1 | 14 | 22.50 | 22.43 | 21.98 | | |
| 3 | 16QAM | 8 | 0 | 20.96 | 20.91 | 20.93 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 20.98 | 20.98 | 20.92 | | |
| 3 | 16QAM | 8 | 7 | 20.95 | 21.02 | 20.87 | | |
| 3 | 16QAM | 15 | 0 | 20.98 | 21.00 | 20.89 | | |
| 3 | 64QAM | 1 | 0 | 21.06 | 21.01 | 21.04 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.09 | 21.13 | 21.03 | | |
| 3 | 64QAM | 1 | 14 | 21.06 | 21.10 | 20.99 | | |
| 3 | 64QAM | 8 | 0 | 20.02 | 19.90 | 19.91 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.98 | 20.00 | 19.91 | | |
| 3 | 64QAM | 8 | 7 | 20.01 | 19.99 | 19.86 | | |
| 3 | 64QAM | 15 | 0 | 19.95 | 19.86 | 19.86 | | |
| 3 | 256QAM | 1 | 0 | 17.75 | 17.64 | 17.91 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.93 | 17.96 | 17.96 | | |
| 3 | 256QAM | 1 | 14 | 17.70 | 18.04 | 17.74 | | |
| 3 | 256QAM | 8 | 0 | 17.85 | 17.75 | 17.74 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.99 | 18.01 | 17.91 | | |
| 3 | 256QAM | 8 | 7 | 17.91 | 18.13 | 17.68 | | |
| 3 | 256QAM | 15 | 0 | 17.75 | 17.55 | 17.48 | | |
| Channel | | | | 23017 | 23095 | 23173 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.76 | 22.69 | 22.72 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.91 | 22.85 | 22.75 | | |
| 1.4 | QPSK | 1 | 5 | 22.85 | 22.81 | 22.65 | | |
| 1.4 | QPSK | 3 | 0 | 22.85 | 22.76 | 22.72 | 22.8 | 1 |
| 1.4 | QPSK | 3 | 1 | 22.78 | 22.75 | 22.79 | | |
| 1.4 | QPSK | 3 | 3 | 22.81 | 22.79 | 22.73 | | |
| 1.4 | QPSK | 6 | 0 | 21.83 | 21.79 | 21.80 | | |
| 1.4 | 16QAM | 1 | 0 | 22.09 | 22.03 | 21.91 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.09 | 22.16 | 22.01 | | |
| 1.4 | 16QAM | 1 | 5 | 22.11 | 22.10 | 21.85 | | |
| 1.4 | 16QAM | 3 | 0 | 22.00 | 21.87 | 21.76 | 21.8 | 2 |
| 1.4 | 16QAM | 3 | 1 | 21.98 | 21.88 | 21.79 | | |
| 1.4 | 16QAM | 3 | 3 | 21.92 | 21.97 | 21.75 | | |
| 1.4 | 16QAM | 6 | 0 | 21.06 | 20.91 | 20.74 | | |
| 1.4 | 64QAM | 1 | 0 | 20.99 | 20.99 | 20.91 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 21.07 | 21.06 | 20.94 | | |
| 1.4 | 64QAM | 1 | 5 | 21.01 | 21.01 | 20.86 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 21.00 | 20.96 | 20.91 | | |
| 1.4 | 64QAM | 3 | 1 | 21.02 | 20.99 | 20.92 | | |
| 1.4 | 64QAM | 3 | 3 | 20.98 | 20.99 | 20.88 | | |
| 1.4 | 64QAM | 6 | 0 | 19.82 | 19.79 | 19.75 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.59 | 17.64 | 17.71 | 18.8 | 2 |
| 1.4 | 256QAM | 1 | 3 | 17.93 | 17.87 | 17.80 | | |
| 1.4 | 256QAM | 1 | 5 | 17.62 | 18.02 | 17.57 | | |
| 1.4 | 256QAM | 3 | 0 | 17.78 | 17.74 | 17.60 | | |
| 1.4 | 256QAM | 3 | 1 | 17.91 | 17.91 | 17.76 | | |
| 1.4 | 256QAM | 3 | 3 | 17.71 | 18.00 | 17.55 | | |
| 1.4 | 256QAM | 6 | 0 | 17.64 | 17.54 | 17.29 | 18.8 | 3 |



<LTE Band 13>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23230 | | | | |
| Frequency (MHz) | | | | 782 | | | | |
| 10 | QPSK | 1 | 0 | | 22.69 | | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | | 22.63 | | | |
| 10 | QPSK | 1 | 49 | | 22.62 | | | |
| 10 | QPSK | 25 | 0 | | 21.66 | | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | | 21.83 | | | |
| 10 | QPSK | 25 | 25 | | 21.80 | | | |
| 10 | QPSK | 50 | 0 | | 21.76 | | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | | 21.87 | | | |
| 10 | 16QAM | 1 | 25 | | 21.59 | | | |
| 10 | 16QAM | 1 | 49 | | 21.70 | | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | | 20.64 | | | |
| 10 | 16QAM | 25 | 12 | | 20.69 | | | |
| 10 | 16QAM | 25 | 25 | | 20.77 | | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | | 20.85 | | | |
| 10 | 64QAM | 1 | 0 | | 20.75 | | | |
| 10 | 64QAM | 1 | 25 | | 20.70 | | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | | 20.65 | | | |
| 10 | 64QAM | 25 | 0 | | 19.56 | | | |
| 10 | 64QAM | 25 | 12 | | 19.55 | | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | | 19.58 | | | |
| 10 | 64QAM | 50 | 0 | | 19.45 | | | |
| 10 | 256QAM | 1 | 0 | | 17.69 | | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | | 17.63 | | | |
| 10 | 256QAM | 1 | 49 | | 17.62 | | | |
| 10 | 256QAM | 25 | 0 | | 17.57 | | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | | 17.58 | | | |
| 10 | 256QAM | 25 | 25 | | 17.46 | | | |
| 10 | 256QAM | 50 | 0 | | 17.44 | | | |
| Channel | | | | 23205 | 23230 | 23255 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 5 | QPSK | 1 | 0 | 22.68 | 22.65 | 22.55 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.62 | 22.63 | 22.65 | | |
| 5 | QPSK | 1 | 24 | 22.61 | 22.62 | 22.62 | | |
| 5 | QPSK | 12 | 0 | 21.85 | 21.77 | 21.69 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 21.87 | 21.88 | 21.81 | | |
| 5 | QPSK | 12 | 13 | 21.87 | 21.81 | 21.78 | | |
| 5 | QPSK | 25 | 0 | 21.88 | 21.71 | 21.66 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 21.89 | 21.81 | 21.79 | | |
| 5 | 16QAM | 1 | 12 | 21.91 | 21.67 | 21.84 | | |
| 5 | 16QAM | 1 | 24 | 22.23 | 22.26 | 21.67 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 20.93 | 20.84 | 20.79 | | |
| 5 | 16QAM | 12 | 7 | 20.92 | 20.89 | 20.82 | | |
| 5 | 16QAM | 12 | 13 | 21.00 | 20.93 | 20.86 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.06 | 20.84 | 20.85 | | |
| 5 | 64QAM | 1 | 0 | 20.62 | 20.71 | 20.73 | | |
| 5 | 64QAM | 1 | 12 | 20.75 | 20.81 | 20.68 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.79 | 20.68 | 20.66 | | |
| 5 | 64QAM | 12 | 0 | 19.63 | 19.58 | 19.58 | | |
| 5 | 64QAM | 12 | 7 | 19.69 | 19.63 | 19.64 | 20.8 | 3 |
| 5 | 64QAM | 12 | 13 | 19.65 | 19.65 | 19.62 | | |
| 5 | 64QAM | 25 | 0 | 19.63 | 19.53 | 19.54 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 17.68 | 17.65 | 17.55 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.62 | 17.63 | 17.65 | | |
| 5 | 256QAM | 1 | 24 | 17.61 | 17.62 | 17.62 | | |
| 5 | 256QAM | 12 | 0 | 17.68 | 17.65 | 17.48 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.58 | 17.53 | 17.65 | | |
| 5 | 256QAM | 12 | 13 | 17.54 | 17.59 | 17.60 | | |
| 5 | 256QAM | 25 | 0 | 17.63 | 17.59 | 17.46 | | |



<LTE Band 17>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23780 | 23790 | 23800 | | |
| Frequency (MHz) | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 22.81 | 22.87 | 22.84 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 22.70 | 22.70 | 22.71 | | |
| 10 | QPSK | 1 | 49 | 22.66 | 22.77 | 22.75 | | |
| 10 | QPSK | 25 | 0 | 21.87 | 21.88 | 21.88 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 21.92 | 21.99 | 21.96 | | |
| 10 | QPSK | 25 | 25 | 21.90 | 21.87 | 21.84 | | |
| 10 | QPSK | 50 | 0 | 21.82 | 21.94 | 21.86 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 21.93 | 21.93 | 22.39 | | |
| 10 | 16QAM | 1 | 25 | 21.97 | 22.02 | 21.91 | | |
| 10 | 16QAM | 1 | 49 | 22.01 | 22.07 | 21.75 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.81 | 20.85 | 20.90 | | |
| 10 | 16QAM | 25 | 12 | 20.79 | 20.95 | 20.78 | | |
| 10 | 16QAM | 25 | 25 | 20.96 | 20.91 | 20.79 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 20.87 | 20.78 | 20.88 | | |
| 10 | 64QAM | 1 | 0 | 21.06 | 20.95 | 20.89 | | |
| 10 | 64QAM | 1 | 25 | 21.08 | 21.07 | 21.05 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 21.07 | 20.94 | 20.91 | | |
| 10 | 64QAM | 25 | 0 | 19.90 | 19.88 | 19.88 | | |
| 10 | 64QAM | 25 | 12 | 20.00 | 19.92 | 19.89 | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | 19.97 | 19.87 | 19.89 | | |
| 10 | 64QAM | 50 | 0 | 19.91 | 19.90 | 19.88 | | |
| 10 | 256QAM | 1 | 0 | 17.72 | 17.79 | 17.90 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 17.75 | 17.63 | 17.77 | | |
| 10 | 256QAM | 1 | 49 | 17.74 | 17.80 | 17.81 | | |
| 10 | 256QAM | 25 | 0 | 17.68 | 17.84 | 17.82 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 17.71 | 17.53 | 17.87 | | |
| 10 | 256QAM | 25 | 25 | 17.83 | 17.79 | 17.87 | | |
| 10 | 256QAM | 50 | 0 | 17.68 | 17.83 | 17.83 | | |
| Channel | | | | 23755 | 23790 | 23825 | | |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | Tune-up limit (dBm) | MPR (dB) |
| 5 | QPSK | 1 | 0 | 22.83 | 22.83 | 22.81 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.78 | 22.83 | 22.75 | | |
| 5 | QPSK | 1 | 24 | 22.82 | 22.81 | 22.75 | | |
| 5 | QPSK | 12 | 0 | 22.01 | 21.96 | 21.87 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.00 | 21.95 | 21.88 | | |
| 5 | QPSK | 12 | 13 | 21.94 | 21.89 | 21.86 | | |
| 5 | QPSK | 25 | 0 | 21.97 | 21.92 | 21.85 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 21.84 | 22.36 | 21.85 | | |
| 5 | 16QAM | 1 | 12 | 21.78 | 22.38 | 22.22 | | |
| 5 | 16QAM | 1 | 24 | 22.42 | 22.37 | 22.19 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 21.00 | 20.88 | 20.93 | | |
| 5 | 16QAM | 12 | 7 | 20.97 | 20.97 | 20.91 | | |
| 5 | 16QAM | 12 | 13 | 20.98 | 20.96 | 20.86 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.04 | 20.93 | 20.84 | | |
| 5 | 64QAM | 1 | 0 | 21.06 | 20.95 | 20.97 | | |
| 5 | 64QAM | 1 | 12 | 20.98 | 21.03 | 21.00 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.99 | 20.97 | 20.88 | | |
| 5 | 64QAM | 12 | 0 | 19.93 | 19.94 | 19.88 | | |
| 5 | 64QAM | 12 | 7 | 19.99 | 19.96 | 19.94 | 20.8 | 3 |
| 5 | 64QAM | 12 | 13 | 19.96 | 19.92 | 19.91 | | |
| 5 | 64QAM | 25 | 0 | 19.93 | 19.91 | 19.86 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 17.83 | 17.93 | 17.70 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.78 | 17.80 | 17.55 | | |
| 5 | 256QAM | 1 | 24 | 17.82 | 17.91 | 17.69 | | |
| 5 | 256QAM | 12 | 0 | 17.83 | 17.90 | 17.64 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.74 | 17.77 | 17.50 | | |
| 5 | 256QAM | 12 | 13 | 17.81 | 17.87 | 17.60 | | |
| 5 | 256QAM | 25 | 0 | 17.77 | 17.81 | 17.60 | | |



<LTE Band 25>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26140 | 26340 | 26590 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1905 | | |
| 20 | QPSK | 1 | 0 | 21.15 | 21.23 | 21.19 | | |
| 20 | QPSK | 1 | 49 | 21.14 | 21.20 | 21.17 | 22 | 0 |
| 20 | QPSK | 1 | 99 | 21.09 | 21.13 | 21.12 | | |
| 20 | QPSK | 50 | 0 | 20.17 | 20.30 | 20.19 | | |
| 20 | QPSK | 50 | 24 | 20.18 | 20.36 | 20.24 | 21 | 1 |
| 20 | QPSK | 50 | 50 | 20.15 | 20.28 | 20.18 | | |
| 20 | QPSK | 100 | 0 | 20.15 | 20.25 | 20.12 | | |
| 20 | 16QAM | 1 | 0 | 20.23 | 20.25 | 20.28 | 21 | 1 |
| 20 | 16QAM | 1 | 49 | 20.18 | 20.21 | 20.16 | | |
| 20 | 16QAM | 1 | 99 | 20.15 | 20.18 | 20.11 | | |
| 20 | 16QAM | 50 | 0 | 18.86 | 18.98 | 18.94 | 20 | 2 |
| 20 | 16QAM | 50 | 24 | 18.94 | 19.05 | 18.91 | | |
| 20 | 16QAM | 50 | 50 | 18.84 | 18.98 | 18.97 | | |
| 20 | 16QAM | 100 | 0 | 18.87 | 18.93 | 18.84 | 20 | 2 |
| 20 | 64QAM | 1 | 0 | 18.91 | 19.01 | 18.99 | | |
| 20 | 64QAM | 1 | 49 | 18.98 | 18.97 | 18.81 | | |
| 20 | 64QAM | 1 | 99 | 18.80 | 18.93 | 18.84 | 19 | 3 |
| 20 | 64QAM | 50 | 0 | 17.80 | 17.91 | 17.85 | | |
| 20 | 64QAM | 50 | 24 | 17.88 | 17.94 | 17.80 | | |
| 20 | 64QAM | 50 | 50 | 17.81 | 17.90 | 17.86 | 17 | 2 |
| 20 | 64QAM | 100 | 0 | 17.75 | 17.85 | 17.75 | | |
| 20 | 256QAM | 1 | 0 | 16.08 | 16.08 | 16.04 | | |
| 20 | 256QAM | 1 | 49 | 16.09 | 16.16 | 15.97 | 17 | 3 |
| 20 | 256QAM | 1 | 99 | 16.01 | 15.93 | 16.04 | | |
| 20 | 256QAM | 50 | 0 | 16.08 | 16.02 | 15.95 | | |
| 20 | 256QAM | 50 | 24 | 16.02 | 16.10 | 15.94 | 17 | 3 |
| 20 | 256QAM | 50 | 50 | 15.82 | 15.86 | 15.92 | | |
| 20 | 256QAM | 100 | 0 | 15.90 | 15.82 | 15.93 | | |
| Channel | | | | 26115 | 26340 | 26615 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1907.5 | | |
| 15 | QPSK | 1 | 0 | 20.63 | 20.88 | 20.87 | | |
| 15 | QPSK | 1 | 37 | 20.79 | 20.87 | 20.85 | 22 | 0 |
| 15 | QPSK | 1 | 74 | 20.67 | 20.87 | 20.87 | | |
| 15 | QPSK | 36 | 0 | 19.81 | 19.83 | 19.84 | | |
| 15 | QPSK | 36 | 20 | 19.97 | 20.02 | 20.00 | 21 | 1 |
| 15 | QPSK | 36 | 39 | 19.89 | 19.98 | 19.98 | | |
| 15 | QPSK | 75 | 0 | 19.87 | 19.94 | 19.94 | | |
| 15 | 16QAM | 1 | 0 | 19.90 | 20.24 | 20.28 | 21 | 1 |
| 15 | 16QAM | 1 | 37 | 20.14 | 20.21 | 20.20 | | |
| 15 | 16QAM | 1 | 74 | 20.02 | 20.15 | 20.22 | | |
| 15 | 16QAM | 36 | 0 | 18.80 | 18.83 | 18.81 | 20 | 2 |
| 15 | 16QAM | 36 | 20 | 18.97 | 19.01 | 19.00 | | |
| 15 | 16QAM | 36 | 39 | 18.91 | 18.96 | 18.94 | | |
| 15 | 16QAM | 75 | 0 | 18.91 | 19.01 | 18.94 | 20 | 2 |
| 15 | 64QAM | 1 | 0 | 18.70 | 19.00 | 18.88 | | |
| 15 | 64QAM | 1 | 37 | 18.92 | 19.07 | 18.82 | | |
| 15 | 64QAM | 1 | 74 | 18.80 | 19.02 | 18.89 | 19 | 3 |
| 15 | 64QAM | 36 | 0 | 17.72 | 17.86 | 17.74 | | |
| 15 | 64QAM | 36 | 20 | 17.88 | 17.97 | 17.87 | | |
| 15 | 64QAM | 36 | 39 | 17.84 | 17.90 | 17.87 | 19 | 3 |
| 15 | 64QAM | 75 | 0 | 17.80 | 17.86 | 17.81 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 15.55 | 15.82 | 15.88 | 17 | 2 |
| 15 | 256QAM | 1 | 37 | 15.59 | 15.67 | 15.84 | | |
| 15 | 256QAM | 1 | 74 | 15.52 | 15.84 | 15.83 | | |
| 15 | 256QAM | 36 | 0 | 15.47 | 15.79 | 15.79 | 17 | 3 |
| 15 | 256QAM | 36 | 20 | 15.57 | 15.65 | 15.77 | | |
| 15 | 256QAM | 36 | 39 | 15.49 | 15.77 | 15.79 | | |
| 15 | 256QAM | 75 | 0 | 15.40 | 15.76 | 15.75 | | |
| Channel | | | | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1910 | | |
| 10 | QPSK | 1 | 0 | 20.31 | 20.42 | 20.60 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 20.55 | 20.62 | 20.56 | | |
| 10 | QPSK | 1 | 49 | 20.28 | 20.32 | 20.59 | | |
| 10 | QPSK | 25 | 0 | 19.57 | 19.64 | 19.65 | 21 | 1 |
| 10 | QPSK | 25 | 12 | 19.71 | 19.85 | 19.73 | | |
| 10 | QPSK | 25 | 25 | 19.62 | 19.74 | 19.75 | | |
| 10 | QPSK | 50 | 0 | 19.60 | 19.69 | 19.65 | | |
| 10 | 16QAM | 1 | 0 | 19.70 | 19.76 | 19.99 | 21 | 1 |
| 10 | 16QAM | 1 | 25 | 19.93 | 19.95 | 19.99 | | |
| 10 | 16QAM | 1 | 49 | 19.69 | 19.68 | 19.97 | | |
| 10 | 16QAM | 25 | 0 | 18.58 | 18.64 | 18.60 | 20 | 2 |
| 10 | 16QAM | 25 | 12 | 18.75 | 18.81 | 18.75 | | |
| 10 | 16QAM | 25 | 25 | 18.63 | 18.78 | 18.72 | | |
| 10 | 16QAM | 50 | 0 | 18.67 | 18.76 | 18.69 | | |
| 10 | 64QAM | 1 | 0 | 18.51 | 18.55 | 18.67 | 20 | 2 |
| 10 | 64QAM | 1 | 25 | 18.76 | 18.90 | 18.73 | | |
| 10 | 64QAM | 1 | 49 | 18.51 | 18.62 | 18.72 | | |
| 10 | 64QAM | 25 | 0 | 17.45 | 17.60 | 17.44 | 19 | 3 |
| 10 | 64QAM | 25 | 12 | 17.63 | 17.79 | 17.55 | | |
| 10 | 64QAM | 25 | 25 | 17.49 | 17.67 | 17.54 | | |
| 10 | 64QAM | 50 | 0 | 17.55 | 17.70 | 17.49 | | |
| 10 | 256QAM | 1 | 0 | 15.17 | 15.37 | 15.46 | 17 | 2 |
| 10 | 256QAM | 1 | 25 | 15.48 | 15.47 | 15.36 | | |
| 10 | 256QAM | 1 | 49 | 15.15 | 15.28 | 15.46 | | |
| 10 | 256QAM | 25 | 0 | 15.07 | 15.28 | 15.45 | 17 | 3 |
| 10 | 256QAM | 25 | 12 | 15.38 | 15.37 | 15.32 | | |
| 10 | 256QAM | 25 | 25 | 15.06 | 15.22 | 15.43 | | |
| 10 | 256QAM | 50 | 0 | 15.08 | 15.28 | 15.41 | | |
| Channel | | | | 26065 | 26340 | 26665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1912.5 | | |
| 5 | QPSK | 1 | 0 | 20.52 | 20.57 | 20.61 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 20.57 | 20.65 | 20.70 | | |
| 5 | QPSK | 1 | 24 | 20.57 | 20.70 | 20.64 | | |
| 5 | QPSK | 12 | 0 | 19.65 | 19.71 | 19.67 | 21 | 1 |
| 5 | QPSK | 12 | 7 | 19.67 | 19.77 | 19.73 | | |
| 5 | QPSK | 12 | 13 | 19.66 | 19.80 | 19.76 | | |
| 5 | QPSK | 25 | 0 | 19.62 | 19.77 | 19.72 | | |
| 5 | 16QAM | 1 | 0 | 19.92 | 19.85 | 19.95 | 21 | 1 |
| 5 | 16QAM | 1 | 12 | 19.86 | 19.94 | 20.00 | | |
| 5 | 16QAM | 1 | 24 | 19.91 | 19.98 | 19.97 | | |
| 5 | 16QAM | 12 | 0 | 18.66 | 18.71 | 18.68 | 20 | 2 |
| 5 | 16QAM | 12 | 7 | 18.70 | 18.84 | 18.74 | | |
| 5 | 16QAM | 12 | 13 | 18.69 | 18.81 | 18.81 | | |
| 5 | 16QAM | 25 | 0 | 18.70 | 18.77 | 18.69 | | |
| 5 | 64QAM | 1 | 0 | 18.71 | 18.76 | 18.63 | 20 | 2 |
| 5 | 64QAM | 1 | 12 | 18.74 | 18.84 | 18.62 | | |
| 5 | 64QAM | 1 | 24 | 18.71 | 18.87 | 18.62 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 17.64 | 17.71 | 17.51 | 19 | 3 |
| 5 | 64QAM | 12 | 7 | 17.69 | 17.81 | 17.55 | | |
| 5 | 64QAM | 12 | 13 | 17.62 | 17.81 | 17.60 | | |
| 5 | 64QAM | 25 | 0 | 17.56 | 17.72 | 17.52 | 17 | 2 |
| 5 | 256QAM | 1 | 0 | 15.46 | 15.47 | 15.53 | | |
| 5 | 256QAM | 1 | 12 | 15.40 | 15.46 | 15.52 | | |
| 5 | 256QAM | 1 | 24 | 15.38 | 15.45 | 15.45 | 17 | 3 |
| 5 | 256QAM | 12 | 0 | 15.32 | 15.44 | 15.41 | | |
| 5 | 256QAM | 12 | 7 | 15.31 | 15.44 | 15.34 | | |
| 5 | 256QAM | 12 | 13 | 15.26 | 15.44 | 15.31 | | |
| 5 | 256QAM | 25 | 0 | 15.20 | 15.38 | 15.24 | Channel | MPR |
| Channel | | | | 26055 | 26340 | 26675 | | |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1913.5 | | |
| 3 | QPSK | 1 | 0 | 20.55 | 20.59 | 20.64 | 22 | 0 |
| 3 | QPSK | 1 | 8 | 20.64 | 20.71 | 20.71 | | |
| 3 | QPSK | 1 | 14 | 20.61 | 20.68 | 20.68 | | |
| 3 | QPSK | 8 | 0 | 19.63 | 19.79 | 19.74 | 21 | 1 |
| 3 | QPSK | 8 | 4 | 19.69 | 19.79 | 19.75 | | |
| 3 | QPSK | 8 | 7 | 19.65 | 19.81 | 19.73 | | |
| 3 | QPSK | 15 | 0 | 19.68 | 19.75 | 19.78 | | |
| 3 | 16QAM | 1 | 0 | 19.88 | 19.89 | 20.04 | 21 | 1 |
| 3 | 16QAM | 1 | 8 | 19.96 | 19.98 | 20.12 | | |
| 3 | 16QAM | 1 | 14 | 19.91 | 20.05 | 20.06 | | |
| 3 | 16QAM | 8 | 0 | 18.72 | 18.83 | 18.79 | 20 | 2 |
| 3 | 16QAM | 8 | 4 | 18.71 | 18.88 | 18.81 | | |
| 3 | 16QAM | 8 | 7 | 18.74 | 18.86 | 18.82 | | |
| 3 | 16QAM | 15 | 0 | 18.67 | 18.81 | 18.81 | | |
| 3 | 64QAM | 1 | 0 | 18.67 | 18.67 | 18.63 | 20 | 2 |
| 3 | 64QAM | 1 | 8 | 18.75 | 18.78 | 18.68 | | |
| 3 | 64QAM | 1 | 14 | 18.70 | 18.77 | 18.65 | | |
| 3 | 64QAM | 8 | 0 | 17.60 | 17.73 | 17.57 | 19 | 3 |
| 3 | 64QAM | 8 | 4 | 17.59 | 17.73 | 17.57 | | |
| 3 | 64QAM | 8 | 7 | 17.63 | 17.73 | 17.60 | | |
| 3 | 64QAM | 15 | 0 | 17.60 | 17.74 | 17.53 | | |
| 3 | 256QAM | 1 | 0 | 15.48 | 15.59 | 15.64 | 17 | 2 |
| 3 | 256QAM | 1 | 8 | 15.53 | 15.56 | 15.59 | | |
| 3 | 256QAM | 1 | 14 | 15.51 | 15.51 | 15.57 | | |
| 3 | 256QAM | 8 | 0 | 15.46 | 15.54 | 15.61 | 17 | 3 |
| 3 | 256QAM | 8 | 4 | 15.55 | 15.52 | 15.58 | | |
| 3 | 256QAM | 8 | 7 | 15.53 | 15.59 | 15.63 | | |
| 3 | 256QAM | 15 | 0 | 15.46 | 15.50 | 15.54 | | |
| Channel | | | | 26047 | 26340 | 26683 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1914.3 | | |
| 1.4 | QPSK | 1 | 0 | 20.52 | 20.53 | 20.55 | 22 | 0 |
| 1.4 | QPSK | 1 | 3 | 20.54 | 20.61 | 20.60 | | |
| 1.4 | QPSK | 1 | 5 | 20.51 | 20.58 | 20.55 | | |
| 1.4 | QPSK | 3 | 0 | 20.50 | 20.58 | 20.57 | | |
| 1.4 | QPSK | 3 | 1 | 20.56 | 20.63 | 20.60 | | |
| 1.4 | QPSK | 3 | 3 | 20.53 | 20.63 | 20.58 | 21 | 1 |
| 1.4 | QPSK | 6 | 0 | 19.60 | 19.70 | 19.68 | | |
| 1.4 | 16QAM | 1 | 0 | 19.82 | 19.77 | 19.83 | 21 | 1 |
| 1.4 | 16QAM | 1 | 3 | 19.88 | 19.91 | 19.90 | | |
| 1.4 | 16QAM | 1 | 5 | 19.78 | 19.87 | 19.92 | | |
| 1.4 | 16QAM | 3 | 0 | 19.61 | 19.66 | 19.61 | | |
| 1.4 | 16QAM | 3 | 1 | 19.64 | 19.68 | 19.69 | | |
| 1.4 | 16QAM | 3 | 3 | 19.61 | 19.62 | 19.64 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 6 | 0 | 18.70 | 18.75 | 18.75 | 20 | 2 |
| 1.4 | 64QAM | 1 | 0 | 18.66 | 18.67 | 18.57 | 20 | 2 |
| 1.4 | 64QAM | 1 | 3 | 18.74 | 18.83 | 18.61 | | |
| 1.4 | 64QAM | 1 | 5 | 18.58 | 18.76 | 18.56 | | |
| 1.4 | 64QAM | 3 | 0 | 18.66 | 18.71 | 18.50 | | |
| 1.4 | 64QAM | 3 | 1 | 18.71 | 18.76 | 18.60 | | |
| 1.4 | 64QAM | 3 | 3 | 18.65 | 18.74 | 18.55 | | |
| 1.4 | 64QAM | 6 | 0 | 17.53 | 17.59 | 17.42 | 19 | 3 |
| 1.4 | 256QAM | 1 | 0 | 15.46 | 15.48 | 15.55 | 17 | 2 |
| 1.4 | 256QAM | 1 | 3 | 15.44 | 15.51 | 15.46 | | |
| 1.4 | 256QAM | 1 | 5 | 15.44 | 15.52 | 15.55 | | |
| 1.4 | 256QAM | 3 | 0 | 15.52 | 15.50 | 15.53 | | |
| 1.4 | 256QAM | 3 | 1 | 15.42 | 15.51 | 15.46 | | |
| 1.4 | 256QAM | 3 | 3 | 15.45 | 15.49 | 15.53 | | |
| 1.4 | 256QAM | 6 | 0 | 15.45 | 15.50 | 15.55 | 17 | 3 |



<LTE Band 26>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26765 | 26865 | 26965 | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | |
| 15 | QPSK | 1 | 0 | 22.76 | 22.81 | 22.78 | | |
| 15 | QPSK | 1 | 37 | 22.72 | 22.76 | 22.79 | 23.8 | 0 |
| 15 | QPSK | 1 | 74 | 22.71 | 22.72 | 22.77 | | |
| 15 | QPSK | 36 | 0 | 21.70 | 21.72 | 21.75 | | |
| 15 | QPSK | 36 | 20 | 21.75 | 21.88 | 21.80 | 22.8 | 1 |
| 15 | QPSK | 36 | 39 | 21.73 | 21.76 | 21.82 | | |
| 15 | QPSK | 75 | 0 | 21.71 | 21.83 | 21.74 | | |
| 15 | 16QAM | 1 | 0 | 21.99 | 22.01 | 21.98 | 22.8 | 1 |
| 15 | 16QAM | 1 | 37 | 22.14 | 22.04 | 22.08 | | |
| 15 | 16QAM | 1 | 74 | 22.14 | 22.00 | 21.83 | | |
| 15 | 16QAM | 36 | 0 | 20.75 | 20.71 | 20.87 | 21.8 | 2 |
| 15 | 16QAM | 36 | 20 | 20.85 | 20.69 | 20.78 | | |
| 15 | 16QAM | 36 | 39 | 20.87 | 20.79 | 20.75 | | |
| 15 | 16QAM | 75 | 0 | 20.85 | 20.77 | 20.80 | 21.8 | 2 |
| 15 | 64QAM | 1 | 0 | 20.70 | 20.71 | 20.69 | | |
| 15 | 64QAM | 1 | 37 | 20.80 | 20.84 | 20.81 | | |
| 15 | 64QAM | 1 | 74 | 20.80 | 20.78 | 20.70 | 20.8 | 3 |
| 15 | 64QAM | 36 | 0 | 19.58 | 19.61 | 19.62 | | |
| 15 | 64QAM | 36 | 20 | 19.76 | 19.70 | 19.80 | | |
| 15 | 64QAM | 36 | 39 | 19.66 | 19.69 | 19.69 | 20.8 | 3 |
| 15 | 64QAM | 75 | 0 | 19.67 | 19.60 | 19.69 | | |
| 15 | 256QAM | 1 | 0 | 17.69 | 17.80 | 17.68 | | |
| 15 | 256QAM | 1 | 37 | 17.74 | 17.77 | 17.71 | 18.8 | 2 |
| 15 | 256QAM | 1 | 74 | 17.67 | 17.73 | 17.71 | | |
| 15 | 256QAM | 36 | 0 | 17.67 | 17.76 | 17.72 | | |
| 15 | 256QAM | 36 | 20 | 17.76 | 17.75 | 17.75 | 18.8 | 3 |
| 15 | 256QAM | 36 | 39 | 17.66 | 17.72 | 17.71 | | |
| 15 | 256QAM | 75 | 0 | 17.74 | 17.79 | 17.74 | | |
| Channel | | | | 26740 | 26865 | 26990 | | |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 22.64 | 22.56 | 22.55 | | |
| 10 | QPSK | 1 | 25 | 22.65 | 22.58 | 22.56 | 23.8 | 0 |
| 10 | QPSK | 1 | 49 | 22.43 | 22.52 | 22.55 | | |
| 10 | QPSK | 25 | 0 | 21.45 | 21.57 | 21.56 | | |
| 10 | QPSK | 25 | 12 | 21.79 | 21.64 | 21.74 | 22.8 | 1 |
| 10 | QPSK | 25 | 25 | 21.67 | 21.60 | 21.53 | | |
| 10 | QPSK | 50 | 0 | 21.59 | 21.58 | 21.40 | | |
| 10 | 16QAM | 1 | 0 | 21.90 | 21.84 | 21.80 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.13 | 21.93 | 21.85 | | |
| 10 | 16QAM | 1 | 49 | 22.09 | 21.93 | 21.90 | | |
| 10 | 16QAM | 25 | 0 | 20.52 | 20.54 | 20.41 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 20.72 | 20.73 | 20.69 | | |
| 10 | 16QAM | 25 | 25 | 20.55 | 20.73 | 20.61 | | |
| 10 | 16QAM | 50 | 0 | 20.66 | 20.66 | 20.54 | 21.8 | 2 |
| 10 | 64QAM | 1 | 0 | 20.63 | 20.76 | 20.73 | | |
| 10 | 64QAM | 1 | 25 | 20.74 | 20.79 | 20.78 | | |
| 10 | 64QAM | 1 | 49 | 20.69 | 20.77 | 20.67 | 20.8 | 3 |
| 10 | 64QAM | 25 | 0 | 19.39 | 19.48 | 19.46 | | |
| 10 | 64QAM | 25 | 12 | 19.56 | 19.58 | 19.58 | | |
| 10 | 64QAM | 25 | 25 | 19.46 | 19.56 | 19.54 | 20.8 | 3 |
| 10 | 64QAM | 50 | 0 | 19.49 | 19.48 | 19.48 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 10 | 256QAM | 1 | 0 | 17.58 | 17.54 | 17.48 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 17.57 | 17.54 | 17.46 | | |
| 10 | 256QAM | 1 | 49 | 17.64 | 17.50 | 17.50 | | |
| 10 | 256QAM | 25 | 0 | 17.59 | 17.50 | 17.48 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 17.64 | 17.55 | 17.53 | | |
| 10 | 256QAM | 25 | 25 | 17.60 | 17.54 | 17.48 | | |
| 10 | 256QAM | 50 | 0 | 17.60 | 17.53 | 17.47 | | |
| Channel | | | | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 816.5 | 831.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 22.49 | 22.47 | 22.55 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.64 | 22.59 | 22.57 | | |
| 5 | QPSK | 1 | 24 | 22.53 | 22.54 | 22.59 | | |
| 5 | QPSK | 12 | 0 | 21.66 | 21.67 | 21.59 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 21.69 | 21.79 | 21.63 | | |
| 5 | QPSK | 12 | 13 | 21.66 | 21.78 | 21.62 | | |
| 5 | QPSK | 25 | 0 | 21.92 | 21.63 | 21.64 | | |
| 5 | 16QAM | 1 | 0 | 21.75 | 21.82 | 22.12 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 21.83 | 21.80 | 22.17 | | |
| 5 | 16QAM | 1 | 24 | 21.82 | 21.84 | 22.17 | | |
| 5 | 16QAM | 12 | 0 | 20.72 | 20.69 | 20.56 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 20.79 | 20.82 | 20.64 | | |
| 5 | 16QAM | 12 | 13 | 20.69 | 20.71 | 20.68 | | |
| 5 | 16QAM | 25 | 0 | 20.69 | 20.77 | 20.65 | | |
| 5 | 64QAM | 1 | 0 | 20.67 | 20.68 | 20.73 | 21.8 | 2 |
| 5 | 64QAM | 1 | 12 | 20.69 | 20.72 | 20.75 | | |
| 5 | 64QAM | 1 | 24 | 20.60 | 20.73 | 20.71 | | |
| 5 | 64QAM | 12 | 0 | 19.60 | 19.58 | 19.55 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 19.65 | 19.70 | 19.63 | | |
| 5 | 64QAM | 12 | 13 | 19.60 | 19.65 | 19.58 | | |
| 5 | 64QAM | 25 | 0 | 19.55 | 19.56 | 19.54 | | |
| 5 | 256QAM | 1 | 0 | 17.43 | 17.47 | 17.52 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.41 | 17.39 | 17.46 | | |
| 5 | 256QAM | 1 | 24 | 17.47 | 17.44 | 17.47 | | |
| 5 | 256QAM | 12 | 0 | 17.48 | 17.41 | 17.48 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.41 | 17.47 | 17.48 | | |
| 5 | 256QAM | 12 | 13 | 17.43 | 17.41 | 17.51 | | |
| 5 | 256QAM | 25 | 0 | 17.46 | 17.46 | 17.49 | | |
| Channel | | | | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 815.5 | 831.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.60 | 22.64 | 22.44 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.78 | 22.76 | 22.54 | | |
| 3 | QPSK | 1 | 14 | 22.71 | 22.73 | 22.49 | | |
| 3 | QPSK | 8 | 0 | 21.70 | 21.64 | 21.64 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 21.71 | 21.79 | 21.72 | | |
| 3 | QPSK | 8 | 7 | 21.71 | 21.73 | 21.68 | | |
| 3 | QPSK | 15 | 0 | 21.72 | 21.68 | 21.67 | | |
| 3 | 16QAM | 1 | 0 | 21.82 | 21.90 | 21.88 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 22.14 | 22.03 | 22.05 | | |
| 3 | 16QAM | 1 | 14 | 21.87 | 21.91 | 21.86 | | |
| 3 | 16QAM | 8 | 0 | 20.75 | 20.60 | 20.58 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 20.83 | 20.86 | 20.63 | | |
| 3 | 16QAM | 8 | 7 | 20.79 | 20.66 | 20.71 | | |
| 3 | 16QAM | 15 | 0 | 20.70 | 20.79 | 20.62 | | |
| 3 | 64QAM | 1 | 0 | 20.79 | 20.75 | 20.80 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 20.77 | 20.85 | 20.86 | | |
| 3 | 64QAM | 1 | 14 | 20.71 | 20.80 | 20.71 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 3 | 64QAM | 8 | 0 | 19.62 | 19.63 | 19.63 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.64 | 19.70 | 19.63 | | |
| 3 | 64QAM | 8 | 7 | 19.58 | 19.67 | 19.62 | | |
| 3 | 64QAM | 15 | 0 | 19.58 | 19.58 | 19.60 | | |
| 3 | 256QAM | 1 | 0 | 17.56 | 17.56 | 17.39 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.59 | 17.54 | 17.42 | | |
| 3 | 256QAM | 1 | 14 | 17.55 | 17.62 | 17.38 | | |
| 3 | 256QAM | 8 | 0 | 17.59 | 17.55 | 17.37 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.55 | 17.58 | 17.44 | | |
| 3 | 256QAM | 8 | 7 | 17.59 | 17.63 | 17.35 | | |
| 3 | 256QAM | 15 | 0 | 17.53 | 17.55 | 17.38 | | |
| Channel | | | | 26697 | 26865 | 27033 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 814.7 | 831.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.58 | 22.48 | 22.37 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.55 | 22.56 | 22.47 | | |
| 1.4 | QPSK | 1 | 5 | 22.52 | 22.52 | 22.47 | | |
| 1.4 | QPSK | 3 | 0 | 22.62 | 22.47 | 22.41 | | |
| 1.4 | QPSK | 3 | 1 | 22.64 | 22.54 | 22.49 | | |
| 1.4 | QPSK | 3 | 3 | 22.61 | 22.60 | 22.46 | | |
| 1.4 | QPSK | 6 | 0 | 21.65 | 21.72 | 21.61 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.62 | 22.00 | 21.48 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 21.59 | 21.67 | 21.53 | | |
| 1.4 | 16QAM | 1 | 5 | 21.58 | 21.60 | 21.45 | | |
| 1.4 | 16QAM | 3 | 0 | 21.67 | 21.55 | 21.60 | | |
| 1.4 | 16QAM | 3 | 1 | 21.83 | 21.48 | 21.69 | | |
| 1.4 | 16QAM | 3 | 3 | 21.59 | 21.59 | 21.63 | | |
| 1.4 | 16QAM | 6 | 0 | 20.68 | 20.70 | 20.57 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.68 | 20.58 | 20.57 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.80 | 20.68 | 20.63 | | |
| 1.4 | 64QAM | 1 | 5 | 20.67 | 20.62 | 20.59 | | |
| 1.4 | 64QAM | 3 | 0 | 20.61 | 20.52 | 20.58 | | |
| 1.4 | 64QAM | 3 | 1 | 20.64 | 20.63 | 20.61 | | |
| 1.4 | 64QAM | 3 | 3 | 20.61 | 20.63 | 20.60 | | |
| 1.4 | 64QAM | 6 | 0 | 19.52 | 19.50 | 19.54 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.56 | 17.45 | 17.30 | 18.8 | 2 |
| 1.4 | 256QAM | 1 | 3 | 17.50 | 17.38 | 17.27 | | |
| 1.4 | 256QAM | 1 | 5 | 17.50 | 17.45 | 17.32 | | |
| 1.4 | 256QAM | 3 | 0 | 17.58 | 17.44 | 17.35 | | |
| 1.4 | 256QAM | 3 | 1 | 17.53 | 17.45 | 17.29 | | |
| 1.4 | 256QAM | 3 | 3 | 17.49 | 17.39 | 17.37 | | |
| 1.4 | 256QAM | 6 | 0 | 17.52 | 17.42 | 17.33 | 18.8 | 3 |



<LTE Band 30>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 27710 | | | | |
| Frequency (MHz) | | | | 2310 | | | | |
| 10 | QPSK | 1 | 0 | | 21.08 | | 21.8 | 0 |
| 10 | QPSK | 1 | 25 | | 21.04 | | | |
| 10 | QPSK | 1 | 49 | | 20.94 | | | |
| 10 | QPSK | 25 | 0 | | 20.01 | | 20.8 | 1 |
| 10 | QPSK | 25 | 12 | | 20.09 | | | |
| 10 | QPSK | 25 | 25 | | 19.98 | | | |
| 10 | QPSK | 50 | 0 | | 20.01 | | 20.8 | 1 |
| 10 | 16QAM | 1 | 0 | | 20.42 | | | |
| 10 | 16QAM | 1 | 25 | | 20.41 | | | |
| 10 | 16QAM | 1 | 49 | | 20.35 | | 19.8 | 2 |
| 10 | 16QAM | 25 | 0 | | 19.06 | | | |
| 10 | 16QAM | 25 | 12 | | 19.07 | | | |
| 10 | 16QAM | 25 | 25 | | 18.98 | | 19.8 | 2 |
| 10 | 16QAM | 50 | 0 | | 18.99 | | | |
| 10 | 64QAM | 1 | 0 | | 18.99 | | | |
| 10 | 64QAM | 1 | 25 | | 18.99 | | 19.8 | 2 |
| 10 | 64QAM | 1 | 49 | | 18.91 | | | |
| 10 | 64QAM | 25 | 0 | | 17.71 | | | |
| 10 | 64QAM | 25 | 12 | | 17.82 | | 18.8 | 3 |
| 10 | 64QAM | 25 | 25 | | 17.70 | | | |
| 10 | 64QAM | 50 | 0 | | 17.75 | | | |
| 10 | 256QAM | 1 | 0 | | 16.02 | | 16.8 | 2 |
| 10 | 256QAM | 1 | 25 | | 16.00 | | | |
| 10 | 256QAM | 1 | 49 | | 16.06 | | | |
| 10 | 256QAM | 25 | 0 | | 15.98 | | 16.8 | 3 |
| 10 | 256QAM | 25 | 12 | | 16.00 | | | |
| 10 | 256QAM | 25 | 25 | | 15.98 | | | |
| 10 | 256QAM | 50 | 0 | | 16.02 | | | |
| Channel | | | | 27685 | 27710 | 27735 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | | |
| 5 | QPSK | 1 | 0 | 20.94 | 20.98 | 20.96 | 21.8 | 0 |
| 5 | QPSK | 1 | 12 | 21.05 | 21.07 | 21.05 | | |
| 5 | QPSK | 1 | 24 | 21.03 | 20.91 | 20.88 | | |
| 5 | QPSK | 12 | 0 | 20.06 | 20.09 | 20.10 | 20.8 | 1 |
| 5 | QPSK | 12 | 7 | 20.20 | 20.11 | 20.14 | | |
| 5 | QPSK | 12 | 13 | 20.14 | 20.10 | 20.00 | | |
| 5 | QPSK | 25 | 0 | 20.14 | 20.05 | 20.07 | 20.8 | 1 |
| 5 | 16QAM | 1 | 0 | 20.26 | 20.30 | 20.31 | | |
| 5 | 16QAM | 1 | 12 | 20.34 | 20.36 | 20.33 | | |
| 5 | 16QAM | 1 | 24 | 20.35 | 20.27 | 20.23 | 19.8 | 2 |
| 5 | 16QAM | 12 | 0 | 19.10 | 19.10 | 19.12 | | |
| 5 | 16QAM | 12 | 7 | 19.17 | 19.13 | 19.18 | | |
| 5 | 16QAM | 12 | 13 | 19.17 | 19.05 | 19.03 | 19.8 | 2 |
| 5 | 16QAM | 25 | 0 | 19.15 | 19.10 | 19.08 | | |
| 5 | 64QAM | 1 | 0 | 18.92 | 18.95 | 19.00 | | |
| 5 | 64QAM | 1 | 12 | 19.01 | 19.01 | 19.09 | 19.8 | 2 |
| 5 | 64QAM | 1 | 24 | 18.99 | 18.93 | 18.88 | | |
| 5 | 64QAM | 12 | 0 | 17.85 | 17.83 | 17.87 | | |
| 5 | 64QAM | 12 | 7 | 17.96 | 17.87 | 17.90 | 18.8 | 3 |
| 5 | 64QAM | 12 | 13 | 17.91 | 17.84 | 17.79 | | |
| 5 | 64QAM | 25 | 0 | 17.83 | 17.77 | 17.82 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 15.87 | 15.97 | 15.93 | 16.8 | 2 |
| 5 | 256QAM | 1 | 12 | 15.86 | 15.90 | 15.95 | | |
| 5 | 256QAM | 1 | 24 | 15.84 | 15.92 | 15.87 | | |
| 5 | 256QAM | 12 | 0 | 15.91 | 15.97 | 15.87 | 16.8 | 3 |
| 5 | 256QAM | 12 | 7 | 15.90 | 15.95 | 15.89 | | |
| 5 | 256QAM | 12 | 13 | 15.85 | 15.94 | 15.90 | | |
| 5 | 256QAM | 25 | 0 | 15.90 | 15.89 | 15.89 | | |



<LTE Band 66>

| Channel | BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---------|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| | Channel | | | | 132072 | 132322 | 132572 | | |
| | Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| | 20 | QPSK | 1 | 0 | 20.61 | 20.75 | 20.73 | 22 | 0 |
| | 20 | QPSK | 1 | 49 | 20.60 | 20.57 | 20.59 | | |
| | 20 | QPSK | 1 | 99 | 20.28 | 20.41 | 20.38 | | |
| | 20 | QPSK | 50 | 0 | 19.65 | 19.69 | 19.81 | 21 | 1 |
| | 20 | QPSK | 50 | 24 | 19.72 | 19.84 | 19.83 | | |
| | 20 | QPSK | 50 | 50 | 19.58 | 19.67 | 19.61 | | |
| | 20 | QPSK | 100 | 0 | 19.55 | 19.86 | 19.84 | 21 | 1 |
| | 20 | 16QAM | 1 | 0 | 19.92 | 19.80 | 20.27 | | |
| | 20 | 16QAM | 1 | 49 | 20.20 | 20.19 | 20.10 | | |
| | 20 | 16QAM | 1 | 99 | 19.65 | 19.72 | 20.07 | 20 | 2 |
| | 20 | 16QAM | 50 | 0 | 18.56 | 18.66 | 18.68 | | |
| | 20 | 16QAM | 50 | 24 | 18.73 | 18.55 | 18.77 | | |
| | 20 | 16QAM | 50 | 50 | 18.49 | 18.56 | 18.75 | 20 | 2 |
| | 20 | 16QAM | 100 | 0 | 18.62 | 18.60 | 18.80 | | |
| | 20 | 64QAM | 1 | 0 | 18.58 | 18.69 | 18.96 | | |
| | 20 | 64QAM | 1 | 49 | 18.83 | 19.00 | 18.93 | 20 | 2 |
| | 20 | 64QAM | 1 | 99 | 18.57 | 18.68 | 18.87 | | |
| | 20 | 64QAM | 50 | 0 | 17.75 | 17.87 | 17.78 | | |
| | 20 | 64QAM | 50 | 24 | 17.85 | 17.86 | 17.75 | 19 | 3 |
| | 20 | 64QAM | 50 | 50 | 17.69 | 17.82 | 17.74 | | |
| | 20 | 64QAM | 100 | 0 | 17.77 | 17.85 | 17.77 | | |
| | 20 | 256QAM | 1 | 0 | 15.59 | 15.67 | 15.72 | 17 | 2 |
| | 20 | 256QAM | 1 | 49 | 15.59 | 15.73 | 15.63 | | |
| | 20 | 256QAM | 1 | 99 | 15.58 | 15.73 | 15.64 | | |
| | 20 | 256QAM | 50 | 0 | 15.57 | 15.71 | 15.67 | 17 | 3 |
| | 20 | 256QAM | 50 | 24 | 15.60 | 15.72 | 15.67 | | |
| | 20 | 256QAM | 50 | 50 | 15.57 | 15.69 | 15.67 | | |
| | 20 | 256QAM | 100 | 0 | 15.52 | 15.67 | 15.66 | | |
| | Channel | | | | 132047 | 132322 | 132597 | | |
| | Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| | 15 | QPSK | 1 | 0 | 20.43 | 20.43 | 20.60 | 22 | 0 |
| | 15 | QPSK | 1 | 37 | 20.57 | 20.51 | 20.66 | | |
| | 15 | QPSK | 1 | 74 | 20.25 | 20.37 | 20.55 | | |
| | 15 | QPSK | 36 | 0 | 19.69 | 19.68 | 19.75 | 21 | 1 |
| | 15 | QPSK | 36 | 20 | 19.61 | 19.69 | 19.82 | | |
| | 15 | QPSK | 36 | 39 | 19.58 | 19.58 | 19.73 | | |
| | 15 | QPSK | 75 | 0 | 19.67 | 19.68 | 19.78 | 21 | 1 |
| | 15 | 16QAM | 1 | 0 | 19.78 | 19.85 | 20.09 | | |
| | 15 | 16QAM | 1 | 37 | 19.77 | 19.77 | 19.81 | | |
| | 15 | 16QAM | 1 | 74 | 19.67 | 19.64 | 19.97 | 20 | 2 |
| | 15 | 16QAM | 36 | 0 | 18.56 | 18.59 | 18.77 | | |
| | 15 | 16QAM | 36 | 20 | 18.67 | 18.71 | 18.78 | | |
| | 15 | 16QAM | 36 | 39 | 18.70 | 18.60 | 18.77 | 20 | 2 |
| | 15 | 16QAM | 75 | 0 | 18.70 | 18.59 | 18.80 | | |
| | 15 | 64QAM | 1 | 0 | 18.77 | 18.90 | 18.95 | | |
| | 15 | 64QAM | 1 | 37 | 18.90 | 18.94 | 18.92 | 20 | 2 |
| | 15 | 64QAM | 1 | 74 | 18.68 | 18.81 | 18.87 | | |
| | 15 | 64QAM | 36 | 0 | 17.77 | 17.88 | 17.81 | | |
| | 15 | 64QAM | 36 | 20 | 17.83 | 17.93 | 17.85 | 19 | 3 |
| | 15 | 64QAM | 36 | 39 | 17.73 | 17.85 | 17.77 | | |
| | 15 | 64QAM | 75 | 0 | 17.81 | 17.90 | 17.79 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 15.33 | 15.40 | 15.57 | 17 | 2 |
| 15 | 256QAM | 1 | 37 | 15.40 | 15.39 | 15.53 | | |
| 15 | 256QAM | 1 | 74 | 15.41 | 15.33 | 15.50 | | |
| 15 | 256QAM | 36 | 0 | 15.43 | 15.40 | 15.54 | 17 | 3 |
| 15 | 256QAM | 36 | 20 | 15.35 | 15.41 | 15.53 | | |
| 15 | 256QAM | 36 | 39 | 15.43 | 15.37 | 15.56 | | |
| 15 | 256QAM | 75 | 0 | 15.43 | 15.39 | 15.51 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 132022 | 132322 | 132622 | | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 20.07 | 20.07 | 20.19 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 20.31 | 20.30 | 20.36 | | |
| 10 | QPSK | 1 | 49 | 20.06 | 20.04 | 20.08 | | |
| 10 | QPSK | 25 | 0 | 19.39 | 19.36 | 19.50 | 21 | 1 |
| 10 | QPSK | 25 | 12 | 19.51 | 19.44 | 19.64 | | |
| 10 | QPSK | 25 | 25 | 19.33 | 19.31 | 19.32 | | |
| 10 | QPSK | 50 | 0 | 19.38 | 19.38 | 19.54 | 21 | 1 |
| 10 | 16QAM | 1 | 0 | 19.71 | 19.83 | 19.77 | | |
| 10 | 16QAM | 1 | 25 | 19.91 | 19.94 | 20.15 | | |
| 10 | 16QAM | 1 | 49 | 19.73 | 19.75 | 19.87 | 20 | 2 |
| 10 | 16QAM | 25 | 0 | 18.32 | 18.38 | 18.37 | | |
| 10 | 16QAM | 25 | 12 | 18.42 | 18.50 | 18.65 | | |
| 10 | 16QAM | 25 | 25 | 18.37 | 18.44 | 18.53 | 20 | 2 |
| 10 | 16QAM | 50 | 0 | 18.52 | 18.41 | 18.52 | | |
| 10 | 64QAM | 1 | 0 | 18.43 | 18.58 | 18.48 | | |
| 10 | 64QAM | 1 | 25 | 18.81 | 18.94 | 18.72 | 20 | 2 |
| 10 | 64QAM | 1 | 49 | 18.52 | 18.65 | 18.51 | | |
| 10 | 64QAM | 25 | 0 | 17.51 | 17.59 | 17.42 | | |
| 10 | 64QAM | 25 | 12 | 17.64 | 17.72 | 17.61 | 19 | 3 |
| 10 | 64QAM | 25 | 25 | 17.53 | 17.61 | 17.50 | | |
| 10 | 64QAM | 50 | 0 | 17.55 | 17.65 | 17.54 | | |
| 10 | 256QAM | 1 | 0 | 15.01 | 15.03 | 15.17 | 17 | 2 |
| 10 | 256QAM | 1 | 25 | 15.07 | 15.04 | 15.10 | | |
| 10 | 256QAM | 1 | 49 | 15.04 | 15.09 | 15.09 | | |
| 10 | 256QAM | 25 | 0 | 15.03 | 15.06 | 15.14 | 17 | 3 |
| 10 | 256QAM | 25 | 12 | 15.02 | 15.07 | 15.18 | | |
| 10 | 256QAM | 25 | 25 | 15.06 | 15.07 | 15.17 | | |
| 10 | 256QAM | 50 | 0 | 15.07 | 15.05 | 15.10 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 131997 | 132322 | 132647 | | |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 20.19 | 20.22 | 20.47 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 20.32 | 20.43 | 20.56 | | |
| 5 | QPSK | 1 | 24 | 20.29 | 20.39 | 20.44 | | |
| 5 | QPSK | 12 | 0 | 19.48 | 19.39 | 19.56 | 21 | 1 |
| 5 | QPSK | 12 | 7 | 19.45 | 19.48 | 19.64 | | |
| 5 | QPSK | 12 | 13 | 19.46 | 19.34 | 19.58 | | |
| 5 | QPSK | 25 | 0 | 19.48 | 19.47 | 19.63 | 21 | 1 |
| 5 | 16QAM | 1 | 0 | 19.38 | 19.40 | 19.48 | | |
| 5 | 16QAM | 1 | 12 | 19.46 | 19.49 | 19.44 | | |
| 5 | 16QAM | 1 | 24 | 19.42 | 19.43 | 19.45 | 20 | 2 |
| 5 | 16QAM | 12 | 0 | 18.41 | 18.39 | 18.66 | | |
| 5 | 16QAM | 12 | 7 | 18.45 | 18.50 | 18.71 | | |
| 5 | 16QAM | 12 | 13 | 18.40 | 18.36 | 18.58 | 20 | 2 |
| 5 | 16QAM | 25 | 0 | 18.54 | 18.43 | 18.55 | | |
| 5 | 64QAM | 1 | 0 | 18.64 | 18.83 | 18.68 | | |
| 5 | 64QAM | 1 | 12 | 18.71 | 18.79 | 18.64 | 20 | 2 |
| 5 | 64QAM | 1 | 24 | 18.60 | 18.74 | 18.53 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 17.63 | 17.71 | 17.60 | 19 | 3 |
| 5 | 64QAM | 12 | 7 | 17.68 | 17.78 | 17.61 | | |
| 5 | 64QAM | 12 | 13 | 17.58 | 17.66 | 17.55 | | |
| 5 | 64QAM | 25 | 0 | 17.62 | 17.71 | 17.53 | 17 | 2 |
| 5 | 256QAM | 1 | 0 | 15.14 | 15.14 | 15.42 | | |
| 5 | 256QAM | 1 | 12 | 15.10 | 15.21 | 15.45 | | |
| 5 | 256QAM | 1 | 24 | 15.15 | 15.15 | 15.45 | 17 | 3 |
| 5 | 256QAM | 12 | 0 | 15.14 | 15.20 | 15.43 | | |
| 5 | 256QAM | 12 | 7 | 15.11 | 15.16 | 15.38 | | |
| 5 | 256QAM | 12 | 13 | 15.13 | 15.16 | 15.44 | | |
| 5 | 256QAM | 25 | 0 | 15.16 | 15.19 | 15.37 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 131987 | 132322 | 132657 | | |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | |
| 3 | QPSK | 1 | 0 | 20.44 | 20.45 | 20.48 | 22 | 0 |
| 3 | QPSK | 1 | 8 | 20.45 | 20.41 | 20.54 | | |
| 3 | QPSK | 1 | 14 | 20.32 | 20.31 | 20.50 | | |
| 3 | QPSK | 8 | 0 | 19.50 | 19.39 | 19.57 | 21 | 1 |
| 3 | QPSK | 8 | 4 | 19.51 | 19.48 | 19.55 | | |
| 3 | QPSK | 8 | 7 | 19.42 | 19.39 | 19.50 | | |
| 3 | QPSK | 15 | 0 | 19.45 | 19.51 | 19.48 | | |
| 3 | 16QAM | 1 | 0 | 19.50 | 19.92 | 20.10 | 21 | 1 |
| 3 | 16QAM | 1 | 8 | 19.57 | 19.95 | 20.08 | | |
| 3 | 16QAM | 1 | 14 | 19.46 | 19.46 | 19.94 | | |
| 3 | 16QAM | 8 | 0 | 18.64 | 18.54 | 18.68 | 20 | 2 |
| 3 | 16QAM | 8 | 4 | 18.65 | 18.54 | 18.68 | | |
| 3 | 16QAM | 8 | 7 | 18.58 | 18.45 | 18.62 | | |
| 3 | 16QAM | 15 | 0 | 18.64 | 18.48 | 18.56 | | |
| 3 | 64QAM | 1 | 0 | 18.72 | 18.86 | 18.73 | 20 | 2 |
| 3 | 64QAM | 1 | 8 | 18.82 | 18.89 | 18.74 | | |
| 3 | 64QAM | 1 | 14 | 18.67 | 18.77 | 18.59 | | |
| 3 | 64QAM | 8 | 0 | 17.72 | 17.70 | 17.56 | 19 | 3 |
| 3 | 64QAM | 8 | 4 | 17.68 | 17.74 | 17.56 | | |
| 3 | 64QAM | 8 | 7 | 17.62 | 17.68 | 17.55 | | |
| 3 | 64QAM | 15 | 0 | 17.64 | 17.68 | 17.50 | | |
| 3 | 256QAM | 1 | 0 | 15.43 | 15.36 | 15.39 | 17 | 2 |
| 3 | 256QAM | 1 | 8 | 15.41 | 15.41 | 15.39 | | |
| 3 | 256QAM | 1 | 14 | 15.44 | 15.42 | 15.47 | | |
| 3 | 256QAM | 8 | 0 | 15.41 | 15.37 | 15.44 | 17 | 3 |
| 3 | 256QAM | 8 | 4 | 15.40 | 15.38 | 15.39 | | |
| 3 | 256QAM | 8 | 7 | 15.44 | 15.37 | 15.46 | | |
| 3 | 256QAM | 15 | 0 | 15.40 | 15.39 | 15.43 | | |
| Channel | | | | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | |
| 1.4 | QPSK | 1 | 0 | 20.25 | 20.33 | 20.43 | 22 | 0 |
| 1.4 | QPSK | 1 | 3 | 20.36 | 20.36 | 20.52 | | |
| 1.4 | QPSK | 1 | 5 | 20.26 | 20.29 | 20.41 | | |
| 1.4 | QPSK | 3 | 0 | 20.27 | 20.39 | 20.44 | | |
| 1.4 | QPSK | 3 | 1 | 20.35 | 20.36 | 20.45 | | |
| 1.4 | QPSK | 3 | 3 | 20.29 | 20.35 | 20.45 | 21 | 1 |
| 1.4 | QPSK | 6 | 0 | 19.43 | 19.42 | 19.46 | | |
| 1.4 | 16QAM | 1 | 0 | 19.62 | 19.61 | 19.68 | 21 | 1 |
| 1.4 | 16QAM | 1 | 3 | 19.69 | 19.67 | 19.81 | | |
| 1.4 | 16QAM | 1 | 5 | 19.59 | 19.59 | 19.71 | | |
| 1.4 | 16QAM | 3 | 0 | 19.36 | 19.44 | 19.50 | | |
| 1.4 | 16QAM | 3 | 1 | 19.44 | 19.49 | 19.55 | | |
| 1.4 | 16QAM | 3 | 3 | 19.40 | 19.42 | 19.51 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 6 | 0 | 18.50 | 18.47 | 18.52 | 20 | 2 |
| 1.4 | 64QAM | 1 | 0 | 18.62 | 18.86 | 18.65 | 20 | 2 |
| 1.4 | 64QAM | 1 | 3 | 18.73 | 18.87 | 18.68 | | |
| 1.4 | 64QAM | 1 | 5 | 18.63 | 18.79 | 18.66 | | |
| 1.4 | 64QAM | 3 | 0 | 18.54 | 18.73 | 18.55 | | |
| 1.4 | 64QAM | 3 | 1 | 18.65 | 18.78 | 18.59 | | |
| 1.4 | 64QAM | 3 | 3 | 18.62 | 18.70 | 18.58 | | |
| 1.4 | 64QAM | 6 | 0 | 17.55 | 17.64 | 17.46 | 19 | 3 |
| 1.4 | 256QAM | 1 | 0 | 15.19 | 15.24 | 15.42 | 17 | 2 |
| 1.4 | 256QAM | 1 | 3 | 15.23 | 15.27 | 15.39 | | |
| 1.4 | 256QAM | 1 | 5 | 15.25 | 15.27 | 15.42 | | |
| 1.4 | 256QAM | 3 | 0 | 15.19 | 15.31 | 15.43 | | |
| 1.4 | 256QAM | 3 | 1 | 15.15 | 15.33 | 15.43 | | |
| 1.4 | 256QAM | 3 | 3 | 15.15 | 15.26 | 15.41 | | |
| 1.4 | 256QAM | 6 | 0 | 15.19 | 15.26 | 15.39 | 17 | 3 |



<LTE Band 71>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 133222 | 133322 | 133372 | | |
| Frequency (MHz) | | | | 673 | 683 | 688 | | |
| 20 | QPSK | 1 | 0 | 23.55 | 23.65 | 23.60 | 23.8 | 0 |
| 20 | QPSK | 1 | 49 | 23.53 | 23.50 | 23.43 | | |
| 20 | QPSK | 1 | 99 | 23.49 | 23.45 | 23.38 | | |
| 20 | QPSK | 50 | 0 | 22.65 | 22.58 | 22.62 | 22.8 | 1 |
| 20 | QPSK | 50 | 24 | 22.66 | 22.67 | 22.55 | | |
| 20 | QPSK | 50 | 50 | 22.58 | 22.46 | 22.43 | | |
| 20 | QPSK | 100 | 0 | 22.53 | 22.55 | 22.40 | 22.8 | 1 |
| 20 | 16QAM | 1 | 0 | 22.55 | 22.63 | 22.76 | | |
| 20 | 16QAM | 1 | 49 | 22.61 | 22.68 | 22.65 | | |
| 20 | 16QAM | 1 | 99 | 22.77 | 22.75 | 22.80 | 21.8 | 2 |
| 20 | 16QAM | 50 | 0 | 21.61 | 21.60 | 21.59 | | |
| 20 | 16QAM | 50 | 24 | 21.66 | 21.51 | 21.50 | | |
| 20 | 16QAM | 50 | 50 | 21.53 | 21.47 | 21.48 | 21.8 | 2 |
| 20 | 16QAM | 100 | 0 | 21.50 | 21.43 | 21.51 | | |
| 20 | 64QAM | 1 | 0 | 21.76 | 21.62 | 21.74 | | |
| 20 | 64QAM | 1 | 49 | 21.69 | 21.71 | 21.57 | 21.8 | 2 |
| 20 | 64QAM | 1 | 99 | 21.64 | 21.65 | 21.67 | | |
| 20 | 64QAM | 50 | 0 | 20.63 | 20.71 | 20.66 | | |
| 20 | 64QAM | 50 | 24 | 20.71 | 20.59 | 20.53 | 20.8 | 3 |
| 20 | 64QAM | 50 | 50 | 20.61 | 20.53 | 20.55 | | |
| 20 | 64QAM | 100 | 0 | 20.63 | 20.51 | 20.47 | | |
| 20 | 256QAM | 1 | 0 | 18.51 | 18.65 | 18.54 | 18.8 | 2 |
| 20 | 256QAM | 1 | 49 | 18.47 | 18.60 | 18.60 | | |
| 20 | 256QAM | 1 | 99 | 18.45 | 18.65 | 18.53 | | |
| 20 | 256QAM | 50 | 0 | 18.49 | 18.56 | 18.56 | 18.8 | 3 |
| 20 | 256QAM | 50 | 24 | 18.48 | 18.63 | 18.55 | | |
| 20 | 256QAM | 50 | 50 | 18.50 | 18.63 | 18.51 | | |
| 20 | 256QAM | 100 | 0 | 18.54 | 18.56 | 18.52 | | |
| Channel | | | | 133197 | 133297 | 133397 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 670.5 | 680.5 | 690.5 | | |
| 15 | QPSK | 1 | 0 | 23.55 | 23.60 | 23.44 | 23.8 | 0 |
| 15 | QPSK | 1 | 37 | 23.44 | 23.49 | 23.38 | | |
| 15 | QPSK | 1 | 74 | 23.39 | 23.42 | 23.41 | | |
| 15 | QPSK | 36 | 0 | 22.61 | 22.57 | 22.59 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.58 | 22.67 | 22.54 | | |
| 15 | QPSK | 36 | 39 | 22.48 | 22.50 | 22.47 | | |
| 15 | QPSK | 75 | 0 | 22.58 | 22.53 | 22.52 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.55 | 22.57 | 22.76 | | |
| 15 | 16QAM | 1 | 37 | 22.49 | 22.71 | 22.69 | | |
| 15 | 16QAM | 1 | 74 | 22.74 | 22.65 | 22.71 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 21.62 | 21.60 | 21.58 | | |
| 15 | 16QAM | 36 | 20 | 21.65 | 21.62 | 21.49 | | |
| 15 | 16QAM | 36 | 39 | 21.59 | 21.49 | 21.56 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.56 | 21.47 | 21.37 | | |
| 15 | 64QAM | 1 | 0 | 21.43 | 21.69 | 21.74 | | |
| 15 | 64QAM | 1 | 37 | 21.68 | 21.42 | 21.72 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 21.72 | 21.63 | 21.65 | | |
| 15 | 64QAM | 36 | 0 | 20.63 | 20.71 | 20.60 | | |
| 15 | 64QAM | 36 | 20 | 20.68 | 20.67 | 20.62 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 20.61 | 20.58 | 20.53 | | |
| 15 | 64QAM | 75 | 0 | 20.59 | 20.52 | 20.49 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 18.46 | 18.52 | 18.35 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 18.51 | 18.57 | 18.35 | | |
| 15 | 256QAM | 1 | 74 | 18.46 | 18.52 | 18.34 | | |
| 15 | 256QAM | 36 | 0 | 18.51 | 18.50 | 18.41 | 18.8 | 3 |
| 15 | 256QAM | 36 | 20 | 18.49 | 18.51 | 18.38 | | |
| 15 | 256QAM | 36 | 39 | 18.55 | 18.55 | 18.35 | | |
| 15 | 256QAM | 75 | 0 | 18.54 | 18.51 | 18.35 | | |
| Channel | | | | 133172 | 133272 | 133422 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 668 | 678 | 693 | | |
| 10 | QPSK | 1 | 0 | 23.29 | 23.31 | 23.40 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 23.22 | 23.35 | 23.18 | | |
| 10 | QPSK | 1 | 49 | 23.27 | 23.34 | 23.20 | | |
| 10 | QPSK | 25 | 0 | 22.36 | 22.43 | 22.33 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 22.43 | 22.42 | 22.32 | | |
| 10 | QPSK | 25 | 25 | 22.26 | 22.31 | 22.29 | | |
| 10 | QPSK | 50 | 0 | 22.32 | 22.29 | 22.16 | | |
| 10 | 16QAM | 1 | 0 | 22.54 | 22.50 | 22.59 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.59 | 22.62 | 22.54 | | |
| 10 | 16QAM | 1 | 49 | 22.79 | 22.74 | 22.51 | | |
| 10 | 16QAM | 25 | 0 | 21.34 | 21.47 | 21.32 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 21.37 | 21.45 | 21.25 | | |
| 10 | 16QAM | 25 | 25 | 21.24 | 21.36 | 21.38 | | |
| 10 | 16QAM | 50 | 0 | 21.33 | 21.40 | 21.18 | | |
| 10 | 64QAM | 1 | 0 | 21.55 | 21.60 | 21.69 | 21.8 | 2 |
| 10 | 64QAM | 1 | 25 | 21.51 | 21.55 | 21.49 | | |
| 10 | 64QAM | 1 | 49 | 21.62 | 21.73 | 21.58 | | |
| 10 | 64QAM | 25 | 0 | 20.33 | 20.41 | 20.37 | 20.8 | 3 |
| 10 | 64QAM | 25 | 12 | 20.43 | 20.52 | 20.30 | | |
| 10 | 64QAM | 25 | 25 | 20.40 | 20.39 | 20.35 | | |
| 10 | 64QAM | 50 | 0 | 20.33 | 20.43 | 20.29 | | |
| 10 | 256QAM | 1 | 0 | 18.20 | 18.27 | 18.30 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 18.28 | 18.23 | 18.40 | | |
| 10 | 256QAM | 1 | 49 | 18.21 | 18.28 | 18.39 | | |
| 10 | 256QAM | 25 | 0 | 18.28 | 18.28 | 18.39 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 18.29 | 18.31 | 18.35 | | |
| 10 | 256QAM | 25 | 25 | 18.27 | 18.31 | 18.36 | | |
| 10 | 256QAM | 50 | 0 | 18.27 | 18.27 | 18.33 | | |
| Channel | | | | 133147 | 133247 | 133447 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 665.5 | 675.5 | 695.5 | | |
| 5 | QPSK | 1 | 0 | 23.27 | 23.17 | 23.10 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 23.33 | 23.36 | 23.25 | | |
| 5 | QPSK | 1 | 24 | 23.31 | 23.41 | 23.23 | | |
| 5 | QPSK | 12 | 0 | 22.27 | 22.40 | 22.19 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.39 | 22.43 | 22.38 | | |
| 5 | QPSK | 12 | 13 | 22.40 | 22.48 | 22.31 | | |
| 5 | QPSK | 25 | 0 | 22.38 | 22.39 | 22.32 | | |
| 5 | 16QAM | 1 | 0 | 22.62 | 22.57 | 22.47 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 22.67 | 22.64 | 22.69 | | |
| 5 | 16QAM | 1 | 24 | 22.56 | 22.58 | 22.54 | | |
| 5 | 16QAM | 12 | 0 | 21.31 | 21.39 | 21.28 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 21.43 | 21.49 | 21.47 | | |
| 5 | 16QAM | 12 | 13 | 21.57 | 21.47 | 21.41 | | |
| 5 | 16QAM | 25 | 0 | 21.41 | 21.42 | 21.36 | | |
| 5 | 64QAM | 1 | 0 | 21.50 | 21.47 | 21.43 | 21.8 | 2 |
| 5 | 64QAM | 1 | 12 | 21.52 | 21.53 | 21.56 | | |
| 5 | 64QAM | 1 | 24 | 21.56 | 21.66 | 21.51 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 20.32 | 20.36 | 20.28 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 20.47 | 20.51 | 20.41 | | |
| 5 | 64QAM | 12 | 13 | 20.43 | 20.44 | 20.35 | | |
| 5 | 64QAM | 25 | 0 | 20.38 | 20.41 | 20.32 | | |
| 5 | 256QAM | 1 | 0 | 18.21 | 18.15 | 18.09 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 18.26 | 18.15 | 18.01 | | |
| 5 | 256QAM | 1 | 24 | 18.21 | 18.11 | 18.10 | | |
| 5 | 256QAM | 12 | 0 | 18.23 | 18.08 | 18.01 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 18.22 | 18.14 | 18.04 | | |
| 5 | 256QAM | 12 | 13 | 18.20 | 18.14 | 18.10 | | |
| 5 | 256QAM | 25 | 0 | 18.20 | 18.17 | 18.05 | | |



LAT Full Power Mode

<LTE Band 2>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 22.98 | 23.07 | 23.05 | 23.8 | 0 |
| 20 | QPSK | 1 | 49 | 22.91 | 23.04 | 23.01 | | |
| 20 | QPSK | 1 | 99 | 22.95 | 23.02 | 22.98 | | |
| 20 | QPSK | 50 | 0 | 22.01 | 22.03 | 22.01 | 22.8 | 1 |
| 20 | QPSK | 50 | 24 | 22.09 | 22.18 | 22.15 | | |
| 20 | QPSK | 50 | 50 | 22.05 | 22.17 | 22.09 | | |
| 20 | QPSK | 100 | 0 | 22.02 | 22.04 | 22.03 | 22.8 | 1 |
| 20 | 16QAM | 1 | 0 | 22.07 | 22.19 | 22.22 | | |
| 20 | 16QAM | 1 | 49 | 21.95 | 22.02 | 22.23 | | |
| 20 | 16QAM | 1 | 99 | 21.91 | 21.94 | 22.17 | 21.8 | 2 |
| 20 | 16QAM | 50 | 0 | 20.98 | 21.02 | 21.06 | | |
| 20 | 16QAM | 50 | 24 | 21.15 | 21.00 | 20.94 | | |
| 20 | 16QAM | 50 | 50 | 21.12 | 21.08 | 21.08 | 21.8 | 2 |
| 20 | 16QAM | 100 | 0 | 20.96 | 21.03 | 20.97 | | |
| 20 | 64QAM | 1 | 0 | 21.03 | 21.11 | 21.06 | | |
| 20 | 64QAM | 1 | 49 | 21.06 | 21.12 | 21.06 | 21.8 | 2 |
| 20 | 64QAM | 1 | 99 | 20.99 | 21.07 | 21.05 | | |
| 20 | 64QAM | 50 | 0 | 19.84 | 19.94 | 19.87 | | |
| 20 | 64QAM | 50 | 24 | 20.01 | 19.99 | 19.96 | 20.8 | 3 |
| 20 | 64QAM | 50 | 50 | 19.95 | 20.04 | 20.00 | | |
| 20 | 64QAM | 100 | 0 | 19.92 | 19.93 | 19.91 | | |
| 20 | 256QAM | 1 | 0 | 17.98 | 18.07 | 18.05 | 18.8 | 2 |
| 20 | 256QAM | 1 | 49 | 17.91 | 18.04 | 18.01 | | |
| 20 | 256QAM | 1 | 99 | 17.95 | 18.02 | 17.98 | | |
| 20 | 256QAM | 50 | 0 | 18.01 | 18.03 | 18.01 | 18.8 | 3 |
| 20 | 256QAM | 50 | 24 | 18.09 | 18.08 | 18.05 | | |
| 20 | 256QAM | 50 | 50 | 18.05 | 18.07 | 18.09 | | |
| 20 | 256QAM | 100 | 0 | 18.02 | 18.04 | 18.03 | | |
| Channel | | | | 18675 | 18900 | 19125 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 22.76 | 23.05 | 23.02 | 23.8 | 0 |
| 15 | QPSK | 1 | 37 | 22.97 | 23.06 | 23.04 | | |
| 15 | QPSK | 1 | 74 | 22.96 | 23.06 | 22.98 | | |
| 15 | QPSK | 36 | 0 | 21.95 | 22.02 | 21.99 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.12 | 22.10 | 22.19 | | |
| 15 | QPSK | 36 | 39 | 22.06 | 22.11 | 22.13 | | |
| 15 | QPSK | 75 | 0 | 22.01 | 22.07 | 22.14 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.33 | 22.45 | 22.31 | | |
| 15 | 16QAM | 1 | 37 | 22.40 | 22.45 | 22.40 | | |
| 15 | 16QAM | 1 | 74 | 22.32 | 22.35 | 22.21 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 20.90 | 21.08 | 21.03 | | |
| 15 | 16QAM | 36 | 20 | 21.10 | 21.09 | 21.15 | | |
| 15 | 16QAM | 36 | 39 | 21.08 | 21.24 | 21.16 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.03 | 20.95 | 21.14 | | |
| 15 | 64QAM | 1 | 0 | 20.83 | 21.09 | 21.10 | | |
| 15 | 64QAM | 1 | 37 | 21.06 | 21.21 | 21.11 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 20.96 | 21.13 | 21.05 | | |
| 15 | 64QAM | 36 | 0 | 19.88 | 19.98 | 19.88 | | |
| 15 | 64QAM | 36 | 20 | 19.99 | 20.06 | 20.03 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 19.97 | 20.07 | 19.98 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 64QAM | 75 | 0 | 19.92 | 19.94 | 19.95 | | |
| 15 | 256QAM | 1 | 0 | 17.91 | 17.99 | 18.02 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 17.89 | 18.01 | 17.93 | | |
| 15 | 256QAM | 1 | 74 | 17.87 | 17.97 | 17.91 | | |
| 15 | 256QAM | 36 | 0 | 17.92 | 17.97 | 17.91 | 18.8 | 3 |
| 15 | 256QAM | 36 | 20 | 18.05 | 18.07 | 18.05 | | |
| 15 | 256QAM | 36 | 39 | 18.01 | 18.05 | 18.02 | | |
| 15 | 256QAM | 75 | 0 | 17.93 | 17.95 | 18.03 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 22.48 | 22.78 | 22.99 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 22.81 | 22.81 | 22.91 | | |
| 10 | QPSK | 1 | 49 | 22.47 | 22.49 | 22.73 | | |
| 10 | QPSK | 25 | 0 | 21.78 | 21.80 | 21.91 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 21.91 | 21.94 | 21.94 | | |
| 10 | QPSK | 25 | 25 | 21.77 | 21.91 | 21.91 | | |
| 10 | QPSK | 50 | 0 | 21.83 | 21.93 | 21.90 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 22.05 | 22.26 | 22.59 | | |
| 10 | 16QAM | 1 | 25 | 22.42 | 22.50 | 22.64 | | |
| 10 | 16QAM | 1 | 49 | 22.14 | 22.22 | 22.51 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.76 | 20.96 | 20.94 | | |
| 10 | 16QAM | 25 | 12 | 20.97 | 20.92 | 20.88 | | |
| 10 | 16QAM | 25 | 25 | 20.79 | 20.88 | 20.88 | 20.8 | 3 |
| 10 | 16QAM | 50 | 0 | 20.84 | 21.00 | 20.83 | | |
| 10 | 64QAM | 1 | 0 | 20.56 | 20.70 | 20.96 | | |
| 10 | 64QAM | 1 | 25 | 20.98 | 21.07 | 21.02 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 20.68 | 20.78 | 20.98 | | |
| 10 | 64QAM | 25 | 0 | 19.64 | 19.81 | 19.71 | | |
| 10 | 64QAM | 25 | 12 | 19.82 | 19.90 | 19.77 | 18.8 | 2 |
| 10 | 64QAM | 25 | 25 | 19.69 | 19.85 | 19.73 | | |
| 10 | 64QAM | 50 | 0 | 19.71 | 19.78 | 19.71 | | |
| 10 | 256QAM | 1 | 0 | 17.84 | 17.95 | 17.96 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 17.88 | 17.91 | 17.84 | | |
| 10 | 256QAM | 1 | 49 | 17.82 | 17.97 | 17.84 | | |
| 10 | 256QAM | 25 | 0 | 17.84 | 17.97 | 17.87 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 18.02 | 18.05 | 17.95 | | |
| 10 | 256QAM | 25 | 25 | 18.01 | 18.04 | 18.02 | | |
| 10 | 256QAM | 50 | 0 | 17.92 | 17.87 | 18.01 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 22.78 | 22.86 | 22.80 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.87 | 22.96 | 23.05 | | |
| 5 | QPSK | 1 | 24 | 22.82 | 22.85 | 22.91 | | |
| 5 | QPSK | 12 | 0 | 21.93 | 21.94 | 21.93 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 21.88 | 22.03 | 21.99 | | |
| 5 | QPSK | 12 | 13 | 21.82 | 22.04 | 21.95 | | |
| 5 | QPSK | 25 | 0 | 21.85 | 21.96 | 21.95 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 21.99 | 22.03 | 22.38 | | |
| 5 | 16QAM | 1 | 12 | 21.94 | 22.10 | 22.48 | | |
| 5 | 16QAM | 1 | 24 | 21.85 | 21.97 | 22.37 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 20.92 | 21.08 | 21.06 | | |
| 5 | 16QAM | 12 | 7 | 21.04 | 21.11 | 20.98 | | |
| 5 | 16QAM | 12 | 13 | 20.88 | 21.05 | 20.96 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 20.90 | 21.02 | 20.94 | | |
| 5 | 64QAM | 1 | 0 | 20.91 | 20.98 | 20.81 | | |
| 5 | 64QAM | 1 | 12 | 20.93 | 21.03 | 20.91 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 1 | 24 | 20.81 | 20.93 | 20.82 | | |
| 5 | 64QAM | 12 | 0 | 19.88 | 19.96 | 19.84 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 19.87 | 20.02 | 19.82 | | |
| 5 | 64QAM | 12 | 13 | 19.77 | 19.89 | 19.80 | | |
| 5 | 64QAM | 25 | 0 | 19.76 | 19.84 | 19.74 | | |
| 5 | 256QAM | 1 | 0 | 17.76 | 17.92 | 17.95 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.86 | 17.86 | 17.84 | | |
| 5 | 256QAM | 1 | 24 | 17.81 | 17.93 | 17.75 | | |
| 5 | 256QAM | 12 | 0 | 17.74 | 17.91 | 17.78 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.98 | 17.99 | 17.87 | | |
| 5 | 256QAM | 12 | 13 | 17.95 | 17.98 | 18.00 | | |
| 5 | 256QAM | 25 | 0 | 17.84 | 17.81 | 17.91 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 22.83 | 22.91 | 22.90 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.84 | 22.96 | 22.89 | | |
| 3 | QPSK | 1 | 14 | 22.78 | 22.87 | 22.79 | | |
| 3 | QPSK | 8 | 0 | 21.93 | 21.93 | 22.00 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 21.90 | 22.08 | 22.05 | | |
| 3 | QPSK | 8 | 7 | 21.86 | 22.03 | 21.95 | | |
| 3 | QPSK | 15 | 0 | 21.84 | 21.96 | 22.06 | | |
| 3 | 16QAM | 1 | 0 | 21.89 | 21.92 | 21.94 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 21.95 | 22.04 | 21.95 | | |
| 3 | 16QAM | 1 | 14 | 21.85 | 21.86 | 21.85 | | |
| 3 | 16QAM | 8 | 0 | 20.95 | 21.12 | 21.18 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 20.92 | 21.20 | 21.17 | | |
| 3 | 16QAM | 8 | 7 | 20.87 | 21.11 | 21.08 | | |
| 3 | 16QAM | 15 | 0 | 20.88 | 21.06 | 21.11 | | |
| 3 | 64QAM | 1 | 0 | 20.92 | 21.00 | 20.93 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.00 | 21.08 | 20.98 | | |
| 3 | 64QAM | 1 | 14 | 20.85 | 21.00 | 20.84 | | |
| 3 | 64QAM | 8 | 0 | 19.85 | 19.94 | 19.88 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.84 | 19.98 | 19.88 | | |
| 3 | 64QAM | 8 | 7 | 19.78 | 19.95 | 19.78 | | |
| 3 | 64QAM | 15 | 0 | 19.81 | 19.89 | 19.82 | | |
| 3 | 256QAM | 1 | 0 | 17.68 | 17.90 | 17.94 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.80 | 17.85 | 17.81 | | |
| 3 | 256QAM | 1 | 14 | 17.75 | 17.85 | 17.65 | | |
| 3 | 256QAM | 8 | 0 | 17.66 | 17.87 | 17.73 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.91 | 17.99 | 17.83 | | |
| 3 | 256QAM | 8 | 7 | 17.87 | 17.90 | 17.96 | | |
| 3 | 256QAM | 15 | 0 | 17.83 | 17.73 | 17.82 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.70 | 22.87 | 22.77 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.76 | 22.86 | 22.84 | | |
| 1.4 | QPSK | 1 | 5 | 22.69 | 22.78 | 22.77 | | |
| 1.4 | QPSK | 3 | 0 | 22.73 | 22.86 | 22.81 | | |
| 1.4 | QPSK | 3 | 1 | 22.73 | 22.87 | 22.86 | | |
| 1.4 | QPSK | 3 | 3 | 22.67 | 22.77 | 22.80 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.99 | 22.07 | 22.08 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.02 | 22.21 | 22.49 | | |
| 1.4 | 16QAM | 1 | 5 | 21.96 | 22.07 | 22.35 | | |
| 1.4 | 16QAM | 3 | 0 | 21.91 | 21.99 | 21.83 | | |
| 1.4 | 16QAM | 3 | 1 | 21.96 | 22.03 | 21.86 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 3 | 3 | 21.86 | 21.98 | 21.85 | | |
| 1.4 | 16QAM | 6 | 0 | 20.90 | 20.98 | 20.95 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.84 | 20.94 | 20.81 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.88 | 21.03 | 20.88 | | |
| 1.4 | 64QAM | 1 | 5 | 20.81 | 20.94 | 20.80 | | |
| 1.4 | 64QAM | 3 | 0 | 20.83 | 20.95 | 20.80 | | |
| 1.4 | 64QAM | 3 | 1 | 20.86 | 20.99 | 20.83 | | |
| 1.4 | 64QAM | 3 | 3 | 20.81 | 20.90 | 20.78 | | |
| 1.4 | 64QAM | 6 | 0 | 19.72 | 19.83 | 19.69 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.58 | 17.89 | 17.94 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.80 | 17.79 | 17.72 | | |
| 1.4 | 256QAM | 1 | 5 | 17.72 | 17.77 | 17.55 | | |
| 1.4 | 256QAM | 3 | 0 | 17.65 | 17.84 | 17.65 | | |
| 1.4 | 256QAM | 3 | 1 | 17.85 | 17.92 | 17.76 | | |
| 1.4 | 256QAM | 3 | 3 | 17.79 | 17.82 | 17.91 | | |
| 1.4 | 256QAM | 6 | 0 | 17.81 | 17.73 | 17.79 | 18.8 | 0 |



<LTE Band 4>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-------|---------------------|----------|
| Channel | | | | 20050 | 20175 | 20300 | | | | | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | | | | |
| 20 | QPSK | 1 | 0 | 22.68 | 22.84 | 22.77 | 23.8 | 0 | | | |
| 20 | QPSK | 1 | 49 | 22.79 | 22.80 | 22.81 | | | | | |
| 20 | QPSK | 1 | 99 | 22.51 | 22.54 | 22.57 | | | | | |
| 20 | QPSK | 50 | 0 | 21.77 | 21.85 | 21.85 | 22.8 | 1 | | | |
| 20 | QPSK | 50 | 24 | 21.94 | 21.97 | 21.93 | | | | | |
| 20 | QPSK | 50 | 50 | 21.83 | 21.86 | 21.87 | | | | | |
| 20 | QPSK | 100 | 0 | 21.85 | 21.93 | 21.91 | 22.8 | 1 | | | |
| 20 | 16QAM | 1 | 0 | 22.19 | 21.93 | 21.91 | | | | | |
| 20 | 16QAM | 1 | 49 | 22.41 | 22.44 | 22.14 | | | | | |
| 20 | 16QAM | 1 | 99 | 22.10 | 22.16 | 21.83 | 21.8 | 2 | | | |
| 20 | 16QAM | 50 | 0 | 20.72 | 20.82 | 20.90 | | | | | |
| 20 | 16QAM | 50 | 24 | 20.94 | 20.96 | 20.96 | | | | | |
| 20 | 16QAM | 50 | 50 | 20.87 | 20.93 | 20.91 | 21.8 | 2 | | | |
| 20 | 16QAM | 100 | 0 | 20.80 | 20.84 | 20.81 | | | | | |
| 20 | 64QAM | 1 | 0 | 20.51 | 20.93 | 21.02 | | | | | |
| 20 | 64QAM | 1 | 49 | 20.97 | 21.21 | 21.25 | 21.8 | 2 | | | |
| 20 | 64QAM | 1 | 99 | 20.86 | 20.96 | 20.94 | | | | | |
| 20 | 64QAM | 50 | 0 | 19.79 | 20.04 | 20.04 | | | | | |
| 20 | 64QAM | 50 | 24 | 20.05 | 20.17 | 20.11 | 20.8 | 3 | | | |
| 20 | 64QAM | 50 | 50 | 19.97 | 20.08 | 20.10 | | | | | |
| 20 | 64QAM | 100 | 0 | 19.90 | 19.99 | 19.99 | | | | | |
| 20 | 256QAM | 1 | 0 | 17.68 | 17.84 | 17.77 | 18.8 | 2 | | | |
| 20 | 256QAM | 1 | 49 | 17.79 | 17.80 | 17.81 | | | | | |
| 20 | 256QAM | 1 | 99 | 17.51 | 17.54 | 17.57 | | | | | |
| 20 | 256QAM | 50 | 0 | 17.77 | 17.85 | 17.85 | 18.8 | 3 | | | |
| 20 | 256QAM | 50 | 24 | 17.84 | 17.90 | 17.83 | | | | | |
| 20 | 256QAM | 50 | 50 | 17.83 | 17.86 | 17.87 | | | | | |
| 20 | 256QAM | 100 | 0 | 17.85 | 17.83 | 17.81 | 20025 | 20175 | 20325 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 20025 | 20175 | 20325 | | | | | |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | | | | |
| 15 | QPSK | 1 | 0 | 22.72 | 22.78 | 22.75 | 23.8 | 0 | | | |
| 15 | QPSK | 1 | 37 | 22.83 | 22.82 | 22.78 | | | | | |
| 15 | QPSK | 1 | 74 | 22.61 | 22.58 | 22.69 | | | | | |
| 15 | QPSK | 36 | 0 | 21.81 | 21.95 | 21.81 | 22.8 | 1 | | | |
| 15 | QPSK | 36 | 20 | 21.95 | 22.02 | 22.02 | | | | | |
| 15 | QPSK | 36 | 39 | 21.78 | 21.88 | 21.92 | | | | | |
| 15 | QPSK | 75 | 0 | 21.90 | 21.82 | 21.95 | 22.8 | 1 | | | |
| 15 | 16QAM | 1 | 0 | 21.81 | 22.03 | 22.38 | | | | | |
| 15 | 16QAM | 1 | 37 | 22.04 | 22.17 | 22.10 | | | | | |
| 15 | 16QAM | 1 | 74 | 21.78 | 21.95 | 21.98 | 21.8 | 2 | | | |
| 15 | 16QAM | 36 | 0 | 20.76 | 20.86 | 20.94 | | | | | |
| 15 | 16QAM | 36 | 20 | 20.90 | 21.02 | 21.02 | | | | | |
| 15 | 16QAM | 36 | 39 | 20.79 | 20.92 | 20.95 | 21.8 | 2 | | | |
| 15 | 16QAM | 75 | 0 | 20.94 | 20.88 | 21.01 | | | | | |
| 15 | 64QAM | 1 | 0 | 20.61 | 21.11 | 21.01 | | | | | |
| 15 | 64QAM | 1 | 37 | 21.02 | 21.25 | 21.20 | 21.8 | 2 | | | |
| 15 | 64QAM | 1 | 74 | 20.97 | 21.04 | 21.05 | | | | | |
| 15 | 64QAM | 36 | 0 | 19.72 | 20.08 | 20.07 | | | | | |
| 15 | 64QAM | 36 | 20 | 19.86 | 20.21 | 20.17 | 20.8 | 3 | | | |
| 15 | 64QAM | 36 | 39 | 19.97 | 20.12 | 20.05 | | | | | |
| 15 | 64QAM | 75 | 0 | 19.77 | 20.05 | 20.08 | | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 17.63 | 17.74 | 17.77 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 17.71 | 17.70 | 17.73 | | |
| 15 | 256QAM | 1 | 74 | 17.45 | 17.47 | 17.49 | | |
| 15 | 256QAM | 36 | 0 | 17.77 | 17.77 | 17.76 | 18.8 | 3 |
| 15 | 256QAM | 36 | 20 | 17.74 | 17.85 | 17.76 | | |
| 15 | 256QAM | 36 | 39 | 17.74 | 17.84 | 17.84 | | |
| 15 | 256QAM | 75 | 0 | 17.76 | 17.81 | 17.71 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 20000 | 20175 | 20350 | | |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 22.34 | 22.31 | 22.51 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 22.57 | 22.70 | 22.75 | | |
| 10 | QPSK | 1 | 49 | 22.29 | 22.34 | 22.39 | | |
| 10 | QPSK | 25 | 0 | 21.64 | 21.60 | 21.70 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 21.72 | 21.82 | 21.80 | | |
| 10 | QPSK | 25 | 25 | 21.55 | 21.69 | 21.61 | | |
| 10 | QPSK | 50 | 0 | 21.67 | 21.75 | 21.70 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 21.82 | 21.92 | 21.87 | | |
| 10 | 16QAM | 1 | 25 | 22.25 | 22.19 | 22.04 | | |
| 10 | 16QAM | 1 | 49 | 21.64 | 21.78 | 21.71 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.47 | 20.56 | 20.73 | | |
| 10 | 16QAM | 25 | 12 | 20.68 | 20.76 | 20.67 | | |
| 10 | 16QAM | 25 | 25 | 20.55 | 20.63 | 20.66 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 20.64 | 20.71 | 20.66 | | |
| 10 | 64QAM | 1 | 0 | 20.42 | 20.73 | 20.72 | | |
| 10 | 64QAM | 1 | 25 | 20.94 | 21.03 | 20.97 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 20.65 | 20.80 | 20.76 | | |
| 10 | 64QAM | 25 | 0 | 19.59 | 19.86 | 19.83 | | |
| 10 | 64QAM | 25 | 12 | 19.77 | 20.02 | 19.96 | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | 19.73 | 19.87 | 19.81 | | |
| 10 | 64QAM | 50 | 0 | 19.62 | 19.91 | 19.87 | | |
| 10 | 256QAM | 1 | 0 | 17.57 | 17.70 | 17.73 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 17.62 | 17.67 | 17.68 | | |
| 10 | 256QAM | 1 | 49 | 17.45 | 17.41 | 17.39 | | |
| 10 | 256QAM | 25 | 0 | 17.74 | 17.71 | 17.73 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 17.70 | 17.84 | 17.75 | | |
| 10 | 256QAM | 25 | 25 | 17.71 | 17.76 | 17.79 | | |
| 10 | 256QAM | 50 | 0 | 17.66 | 17.77 | 17.68 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 19975 | 20175 | 20375 | | |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 22.68 | 22.68 | 22.54 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.69 | 22.78 | 22.74 | | |
| 5 | QPSK | 1 | 24 | 22.61 | 22.64 | 22.62 | | |
| 5 | QPSK | 12 | 0 | 21.66 | 21.73 | 21.76 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 21.67 | 21.85 | 21.81 | | |
| 5 | QPSK | 12 | 13 | 21.67 | 21.75 | 21.73 | | |
| 5 | QPSK | 25 | 0 | 21.63 | 21.79 | 21.76 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 21.62 | 21.34 | 21.62 | | |
| 5 | 16QAM | 1 | 12 | 21.77 | 21.85 | 21.74 | | |
| 5 | 16QAM | 1 | 24 | 21.59 | 21.62 | 21.55 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 20.73 | 20.86 | 20.83 | | |
| 5 | 16QAM | 12 | 7 | 20.76 | 20.90 | 20.92 | | |
| 5 | 16QAM | 12 | 13 | 20.64 | 20.85 | 20.79 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 20.70 | 20.81 | 20.74 | | |
| 5 | 64QAM | 1 | 0 | 20.61 | 21.05 | 20.70 | | |
| 5 | 64QAM | 1 | 12 | 20.74 | 21.13 | 20.72 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.68 | 21.02 | 20.65 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 19.57 | 19.99 | 19.82 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 19.65 | 20.07 | 19.63 | | |
| 5 | 64QAM | 12 | 13 | 19.73 | 20.01 | 19.54 | | |
| 5 | 64QAM | 25 | 0 | 19.49 | 19.98 | 19.48 | 18.8 | 2 |
| 5 | 256QAM | 1 | 0 | 17.48 | 17.67 | 17.65 | | |
| 5 | 256QAM | 1 | 12 | 17.62 | 17.66 | 17.65 | | |
| 5 | 256QAM | 1 | 24 | 17.36 | 17.34 | 17.32 | 18.8 | 3 |
| 5 | 256QAM | 12 | 0 | 17.66 | 17.66 | 17.69 | | |
| 5 | 256QAM | 12 | 7 | 17.64 | 17.79 | 17.67 | | |
| 5 | 256QAM | 12 | 13 | 17.68 | 17.74 | 17.74 | | |
| 5 | 256QAM | 25 | 0 | 17.64 | 17.77 | 17.61 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 19965 | 20175 | 20385 | | |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | |
| 3 | QPSK | 1 | 0 | 22.56 | 22.79 | 22.73 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.79 | 22.80 | 22.82 | | |
| 3 | QPSK | 1 | 14 | 22.52 | 22.70 | 22.64 | | |
| 3 | QPSK | 8 | 0 | 21.72 | 21.79 | 21.79 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 21.74 | 21.84 | 21.84 | | |
| 3 | QPSK | 8 | 7 | 21.61 | 21.82 | 21.79 | | |
| 3 | QPSK | 15 | 0 | 21.70 | 21.81 | 21.77 | | |
| 3 | 16QAM | 1 | 0 | 22.21 | 22.27 | 22.22 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 22.20 | 22.39 | 22.32 | | |
| 3 | 16QAM | 1 | 14 | 22.04 | 22.24 | 22.20 | | |
| 3 | 16QAM | 8 | 0 | 20.81 | 20.90 | 20.91 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 20.73 | 20.90 | 20.87 | | |
| 3 | 16QAM | 8 | 7 | 20.75 | 20.87 | 20.84 | | |
| 3 | 16QAM | 15 | 0 | 20.78 | 20.86 | 20.76 | | |
| 3 | 64QAM | 1 | 0 | 20.63 | 21.14 | 20.91 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 20.77 | 21.16 | 20.97 | | |
| 3 | 64QAM | 1 | 14 | 20.73 | 21.07 | 20.95 | | |
| 3 | 64QAM | 8 | 0 | 19.58 | 20.05 | 19.91 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.63 | 20.01 | 19.97 | | |
| 3 | 64QAM | 8 | 7 | 19.57 | 20.02 | 19.79 | | |
| 3 | 64QAM | 15 | 0 | 19.58 | 20.02 | 19.79 | | |
| 3 | 256QAM | 1 | 0 | 17.38 | 17.65 | 17.63 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.54 | 17.57 | 17.64 | | |
| 3 | 256QAM | 1 | 14 | 17.26 | 17.32 | 17.25 | | |
| 3 | 256QAM | 8 | 0 | 17.65 | 17.62 | 17.69 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.64 | 17.76 | 17.60 | | |
| 3 | 256QAM | 8 | 7 | 17.63 | 17.67 | 17.65 | | |
| 3 | 256QAM | 15 | 0 | 17.64 | 17.77 | 17.56 | | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.53 | 22.66 | 22.62 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.58 | 22.71 | 22.69 | | |
| 1.4 | QPSK | 1 | 5 | 22.47 | 22.62 | 22.62 | | |
| 1.4 | QPSK | 3 | 0 | 22.63 | 22.72 | 22.67 | | |
| 1.4 | QPSK | 3 | 1 | 22.60 | 22.72 | 22.75 | | |
| 1.4 | QPSK | 3 | 3 | 22.54 | 22.63 | 22.67 | 22.8 | 1 |
| 1.4 | QPSK | 6 | 0 | 21.62 | 21.78 | 21.67 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.07 | 21.90 | 21.80 | | |
| 1.4 | 16QAM | 1 | 3 | 22.23 | 21.91 | 21.91 | | |
| 1.4 | 16QAM | 1 | 5 | 22.00 | 21.84 | 21.91 | | |
| 1.4 | 16QAM | 3 | 0 | 21.74 | 21.85 | 21.90 | | |
| 1.4 | 16QAM | 3 | 1 | 21.80 | 21.85 | 21.85 | | |
| 1.4 | 16QAM | 3 | 3 | 21.68 | 21.79 | 21.61 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 20.69 | 20.89 | 20.75 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.87 | 21.07 | 20.64 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.94 | 21.07 | 20.71 | | |
| 1.4 | 64QAM | 1 | 5 | 20.81 | 21.02 | 20.63 | | |
| 1.4 | 64QAM | 3 | 0 | 20.75 | 21.02 | 20.62 | | |
| 1.4 | 64QAM | 3 | 1 | 20.78 | 21.07 | 20.66 | | |
| 1.4 | 64QAM | 3 | 3 | 20.72 | 21.01 | 20.58 | | |
| 1.4 | 64QAM | 6 | 0 | 19.51 | 19.89 | 19.76 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.31 | 17.55 | 17.63 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.44 | 17.55 | 17.60 | | |
| 1.4 | 256QAM | 1 | 5 | 17.19 | 17.28 | 17.19 | | |
| 1.4 | 256QAM | 3 | 0 | 17.65 | 17.62 | 17.61 | | |
| 1.4 | 256QAM | 3 | 1 | 17.59 | 17.70 | 17.52 | | |
| 1.4 | 256QAM | 3 | 3 | 17.57 | 17.57 | 17.65 | | |
| 1.4 | 256QAM | 6 | 0 | 17.62 | 17.68 | 17.49 | 18.8 | 0 |



<LTE Band 5>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20450 | 20525 | 20600 | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 22.89 | 22.91 | 22.91 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 22.92 | 22.89 | 22.93 | | |
| 10 | QPSK | 1 | 49 | 22.97 | 22.84 | 22.95 | | |
| 10 | QPSK | 25 | 0 | 21.91 | 21.92 | 21.95 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 21.99 | 21.91 | 21.96 | | |
| 10 | QPSK | 25 | 25 | 21.95 | 21.87 | 21.96 | | |
| 10 | QPSK | 50 | 0 | 21.92 | 21.84 | 21.90 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 22.25 | 21.90 | 21.89 | | |
| 10 | 16QAM | 1 | 25 | 22.11 | 22.01 | 21.87 | | |
| 10 | 16QAM | 1 | 49 | 22.17 | 22.05 | 22.39 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.93 | 20.97 | 20.93 | | |
| 10 | 16QAM | 25 | 12 | 21.02 | 20.82 | 20.95 | | |
| 10 | 16QAM | 25 | 25 | 20.95 | 20.97 | 20.96 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 20.92 | 20.76 | 20.82 | | |
| 10 | 64QAM | 1 | 0 | 21.01 | 20.99 | 20.93 | | |
| 10 | 64QAM | 1 | 25 | 21.03 | 21.04 | 20.97 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 20.70 | 20.96 | 20.95 | | |
| 10 | 64QAM | 25 | 0 | 19.76 | 19.78 | 19.83 | | |
| 10 | 64QAM | 25 | 12 | 19.84 | 19.82 | 19.86 | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | 19.80 | 19.85 | 19.84 | | |
| 10 | 64QAM | 50 | 0 | 19.76 | 19.75 | 19.72 | | |
| 10 | 256QAM | 1 | 0 | 17.89 | 17.91 | 17.91 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 17.92 | 17.89 | 17.86 | | |
| 10 | 256QAM | 1 | 49 | 17.87 | 17.84 | 17.81 | | |
| 10 | 256QAM | 25 | 0 | 17.91 | 17.90 | 17.82 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 17.89 | 17.91 | 17.88 | | |
| 10 | 256QAM | 25 | 25 | 17.84 | 17.87 | 17.85 | | |
| 10 | 256QAM | 50 | 0 | 17.90 | 17.84 | 17.90 | | |
| Channel | | | | 20425 | 20525 | 20625 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 22.75 | 22.81 | 22.72 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.93 | 22.87 | 22.93 | | |
| 5 | QPSK | 1 | 24 | 22.79 | 22.78 | 22.84 | | |
| 5 | QPSK | 12 | 0 | 21.94 | 21.87 | 21.87 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.02 | 21.96 | 21.86 | | |
| 5 | QPSK | 12 | 13 | 21.95 | 22.00 | 21.90 | | |
| 5 | QPSK | 25 | 0 | 21.97 | 21.96 | 21.88 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.10 | 21.92 | 22.03 | | |
| 5 | 16QAM | 1 | 12 | 22.09 | 21.95 | 21.91 | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.07 | 21.84 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 20.99 | 20.89 | 20.91 | | |
| 5 | 16QAM | 12 | 7 | 21.05 | 21.02 | 20.92 | | |
| 5 | 16QAM | 12 | 13 | 20.94 | 21.03 | 20.93 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 20.89 | 20.92 | 20.93 | | |
| 5 | 64QAM | 1 | 0 | 20.96 | 20.92 | 20.93 | | |
| 5 | 64QAM | 1 | 12 | 20.96 | 20.99 | 21.03 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.98 | 20.95 | 20.89 | | |
| 5 | 64QAM | 12 | 0 | 19.80 | 19.80 | 19.83 | | |
| 5 | 64QAM | 12 | 7 | 19.89 | 19.93 | 19.89 | 20.8 | 3 |
| 5 | 64QAM | 12 | 13 | 19.81 | 19.89 | 19.89 | | |
| 5 | 64QAM | 25 | 0 | 19.81 | 19.78 | 19.81 | | |



| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 17.81 | 17.89 | 17.88 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.87 | 17.81 | 17.82 | | |
| 5 | 256QAM | 1 | 24 | 17.77 | 17.77 | 17.78 | | |
| 5 | 256QAM | 12 | 0 | 17.91 | 17.84 | 17.81 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.84 | 17.88 | 17.83 | | |
| 5 | 256QAM | 12 | 13 | 17.77 | 17.81 | 17.80 | | |
| 5 | 256QAM | 25 | 0 | 17.85 | 17.76 | 17.85 | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.94 | 22.90 | 22.96 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.96 | 22.96 | 22.95 | | |
| 3 | QPSK | 1 | 14 | 22.93 | 22.95 | 22.78 | | |
| 3 | QPSK | 8 | 0 | 21.88 | 21.90 | 21.99 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 22.03 | 21.99 | 21.97 | | |
| 3 | QPSK | 8 | 7 | 21.90 | 21.95 | 21.98 | | |
| 3 | QPSK | 15 | 0 | 21.97 | 21.90 | 21.93 | | |
| 3 | 16QAM | 1 | 0 | 21.91 | 22.00 | 22.08 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 21.92 | 22.18 | 22.11 | | |
| 3 | 16QAM | 1 | 14 | 21.82 | 22.11 | 22.02 | | |
| 3 | 16QAM | 8 | 0 | 21.05 | 21.05 | 21.13 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 21.23 | 21.20 | 21.06 | | |
| 3 | 16QAM | 8 | 7 | 21.12 | 21.12 | 21.04 | | |
| 3 | 16QAM | 15 | 0 | 21.07 | 21.10 | 20.99 | | |
| 3 | 64QAM | 1 | 0 | 20.91 | 20.94 | 20.98 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.04 | 21.05 | 21.02 | | |
| 3 | 64QAM | 1 | 14 | 21.03 | 20.98 | 20.87 | | |
| 3 | 64QAM | 8 | 0 | 19.81 | 19.81 | 19.87 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.89 | 19.92 | 19.91 | | |
| 3 | 64QAM | 8 | 7 | 19.84 | 19.86 | 19.87 | | |
| 3 | 64QAM | 15 | 0 | 19.84 | 19.78 | 19.86 | | |
| 3 | 256QAM | 1 | 0 | 17.75 | 17.81 | 17.79 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.79 | 17.78 | 17.81 | | |
| 3 | 256QAM | 1 | 14 | 17.77 | 17.73 | 17.73 | | |
| 3 | 256QAM | 8 | 0 | 17.89 | 17.77 | 17.73 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.81 | 17.81 | 17.75 | | |
| 3 | 256QAM | 8 | 7 | 17.75 | 17.71 | 17.79 | | |
| 3 | 256QAM | 15 | 0 | 17.83 | 17.73 | 17.81 | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.80 | 22.74 | 22.75 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.86 | 22.94 | 22.82 | | |
| 1.4 | QPSK | 1 | 5 | 22.79 | 22.81 | 22.70 | | |
| 1.4 | QPSK | 3 | 0 | 22.80 | 22.66 | 22.74 | | |
| 1.4 | QPSK | 3 | 1 | 22.83 | 22.83 | 22.78 | | |
| 1.4 | QPSK | 3 | 3 | 22.82 | 22.81 | 22.71 | | |
| 1.4 | QPSK | 6 | 0 | 21.93 | 21.76 | 21.79 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.37 | 22.12 | 22.15 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.41 | 22.28 | 22.19 | | |
| 1.4 | 16QAM | 1 | 5 | 22.31 | 22.25 | 22.16 | | |
| 1.4 | 16QAM | 3 | 0 | 21.91 | 21.84 | 21.75 | | |
| 1.4 | 16QAM | 3 | 1 | 21.96 | 21.82 | 21.86 | | |
| 1.4 | 16QAM | 3 | 3 | 21.92 | 21.75 | 21.76 | | |
| 1.4 | 16QAM | 6 | 0 | 20.96 | 21.02 | 21.03 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.87 | 20.89 | 20.92 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.99 | 21.01 | 21.01 | | |
| 1.4 | 64QAM | 1 | 5 | 20.87 | 20.96 | 20.89 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 20.88 | 20.82 | 20.86 | | |
| 1.4 | 64QAM | 3 | 1 | 20.91 | 20.90 | 20.93 | | |
| 1.4 | 64QAM | 3 | 3 | 20.88 | 20.88 | 20.90 | | |
| 1.4 | 64QAM | 6 | 0 | 19.70 | 19.70 | 19.77 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.71 | 17.75 | 17.74 | 22.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.74 | 17.71 | 17.71 | | |
| 1.4 | 256QAM | 1 | 5 | 17.75 | 17.65 | 17.68 | | |
| 1.4 | 256QAM | 3 | 0 | 17.85 | 17.68 | 17.72 | | |
| 1.4 | 256QAM | 3 | 1 | 17.80 | 17.71 | 17.75 | | |
| 1.4 | 256QAM | 3 | 3 | 17.69 | 17.67 | 17.75 | | |
| 1.4 | 256QAM | 6 | 0 | 17.82 | 17.63 | 17.77 | 22.8 | 0 |



<LTE Band 7>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 23.56 | 23.46 | 23.37 | 23.8 | 0 |
| 20 | QPSK | 1 | 49 | 23.55 | 23.47 | 23.38 | | |
| 20 | QPSK | 1 | 99 | 23.54 | 23.50 | 23.34 | | |
| 20 | QPSK | 50 | 0 | 22.62 | 22.58 | 22.38 | 22.8 | 1 |
| 20 | QPSK | 50 | 24 | 22.67 | 22.61 | 22.39 | | |
| 20 | QPSK | 50 | 50 | 22.64 | 22.60 | 22.42 | | |
| 20 | QPSK | 100 | 0 | 22.57 | 22.54 | 22.30 | 22.8 | 1 |
| 20 | 16QAM | 1 | 0 | 22.60 | 22.48 | 22.40 | | |
| 20 | 16QAM | 1 | 49 | 22.73 | 22.52 | 22.27 | | |
| 20 | 16QAM | 1 | 99 | 22.75 | 22.49 | 22.39 | 21.8 | 2 |
| 20 | 16QAM | 50 | 0 | 21.64 | 21.58 | 21.46 | | |
| 20 | 16QAM | 50 | 24 | 21.59 | 21.61 | 21.56 | | |
| 20 | 16QAM | 50 | 50 | 21.71 | 21.55 | 21.51 | 21.8 | 2 |
| 20 | 16QAM | 100 | 0 | 21.51 | 21.46 | 21.39 | | |
| 20 | 64QAM | 1 | 0 | 21.38 | 21.42 | 21.38 | | |
| 20 | 64QAM | 1 | 49 | 21.46 | 21.50 | 21.34 | 21.8 | 2 |
| 20 | 64QAM | 1 | 99 | 21.54 | 21.47 | 21.33 | | |
| 20 | 64QAM | 50 | 0 | 20.35 | 20.33 | 20.30 | | |
| 20 | 64QAM | 50 | 24 | 20.35 | 20.35 | 20.31 | 20.8 | 3 |
| 20 | 64QAM | 50 | 50 | 20.36 | 20.33 | 20.29 | | |
| 20 | 64QAM | 100 | 0 | 20.29 | 20.25 | 20.22 | | |
| 20 | 256QAM | 1 | 0 | 18.56 | 18.46 | 18.37 | 18.8 | 2 |
| 20 | 256QAM | 1 | 49 | 18.55 | 18.47 | 18.38 | | |
| 20 | 256QAM | 1 | 99 | 18.54 | 18.50 | 18.34 | | |
| 20 | 256QAM | 50 | 0 | 18.59 | 18.58 | 18.38 | 18.8 | 3 |
| 20 | 256QAM | 50 | 24 | 18.61 | 18.55 | 18.39 | | |
| 20 | 256QAM | 50 | 50 | 18.56 | 18.60 | 18.42 | | |
| 20 | 256QAM | 100 | 0 | 18.57 | 18.54 | 18.30 | | |
| Channel | | | | 20825 | 21100 | 21375 | | |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 23.46 | 23.45 | 23.33 | 23.8 | 0 |
| 15 | QPSK | 1 | 37 | 23.54 | 23.53 | 23.29 | | |
| 15 | QPSK | 1 | 74 | 23.55 | 23.50 | 23.29 | | |
| 15 | QPSK | 36 | 0 | 22.64 | 22.60 | 22.48 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.67 | 22.60 | 22.54 | | |
| 15 | QPSK | 36 | 39 | 22.71 | 22.54 | 22.50 | | |
| 15 | QPSK | 75 | 0 | 22.62 | 22.62 | 22.44 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.76 | 22.40 | 22.71 | | |
| 15 | 16QAM | 1 | 37 | 22.74 | 22.40 | 22.76 | | |
| 15 | 16QAM | 1 | 74 | 22.79 | 22.56 | 22.78 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 21.74 | 21.59 | 21.58 | | |
| 15 | 16QAM | 36 | 20 | 21.74 | 21.61 | 21.50 | | |
| 15 | 16QAM | 36 | 39 | 21.67 | 21.51 | 21.47 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.66 | 21.61 | 21.40 | | |
| 15 | 64QAM | 1 | 0 | 21.33 | 21.35 | 21.36 | | |
| 15 | 64QAM | 1 | 37 | 21.43 | 21.48 | 21.40 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 21.43 | 21.34 | 21.26 | | |
| 15 | 64QAM | 36 | 0 | 20.36 | 20.36 | 20.32 | | |
| 15 | 64QAM | 36 | 20 | 20.38 | 20.37 | 20.30 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 20.36 | 20.39 | 20.31 | | |
| 15 | 64QAM | 75 | 0 | 20.29 | 20.28 | 20.24 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 18.47 | 18.39 | 18.30 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 18.49 | 18.46 | 18.29 | | |
| 15 | 256QAM | 1 | 74 | 18.53 | 18.40 | 18.33 | | |
| 15 | 256QAM | 36 | 0 | 18.59 | 18.57 | 18.35 | 18.8 | 3 |
| 15 | 256QAM | 36 | 20 | 18.56 | 18.49 | 18.37 | | |
| 15 | 256QAM | 36 | 39 | 18.48 | 18.58 | 18.35 | | |
| 15 | 256QAM | 75 | 0 | 18.48 | 18.46 | 18.23 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 23.11 | 23.35 | 23.10 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 23.19 | 23.15 | 22.91 | | |
| 10 | QPSK | 1 | 49 | 23.32 | 23.15 | 22.99 | | |
| 10 | QPSK | 25 | 0 | 22.40 | 22.46 | 22.25 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 22.47 | 22.45 | 22.19 | | |
| 10 | QPSK | 25 | 25 | 22.50 | 22.36 | 22.23 | | |
| 10 | QPSK | 50 | 0 | 22.43 | 22.21 | 22.16 | | |
| 10 | 16QAM | 1 | 0 | 22.63 | 22.57 | 22.34 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.71 | 22.61 | 22.39 | | |
| 10 | 16QAM | 1 | 49 | 22.75 | 22.74 | 22.41 | | |
| 10 | 16QAM | 25 | 0 | 21.37 | 21.43 | 21.13 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 21.47 | 21.39 | 21.30 | | |
| 10 | 16QAM | 25 | 25 | 21.33 | 21.40 | 21.12 | | |
| 10 | 16QAM | 50 | 0 | 21.50 | 21.33 | 21.18 | | |
| 10 | 64QAM | 1 | 0 | 21.16 | 21.30 | 21.12 | 21.8 | 2 |
| 10 | 64QAM | 1 | 25 | 21.23 | 21.33 | 21.15 | | |
| 10 | 64QAM | 1 | 49 | 21.21 | 21.28 | 21.19 | | |
| 10 | 64QAM | 25 | 0 | 20.05 | 20.18 | 20.00 | 20.8 | 3 |
| 10 | 64QAM | 25 | 12 | 20.12 | 20.23 | 20.07 | | |
| 10 | 64QAM | 25 | 25 | 20.05 | 20.12 | 20.01 | | |
| 10 | 64QAM | 50 | 0 | 20.03 | 20.08 | 19.98 | | |
| 10 | 256QAM | 1 | 0 | 18.40 | 18.38 | 18.24 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 18.41 | 18.41 | 18.27 | | |
| 10 | 256QAM | 1 | 49 | 18.43 | 18.38 | 18.31 | | |
| 10 | 256QAM | 25 | 0 | 18.58 | 18.56 | 18.29 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 18.47 | 18.49 | 18.30 | | |
| 10 | 256QAM | 25 | 25 | 18.41 | 18.52 | 18.25 | | |
| 10 | 256QAM | 50 | 0 | 18.38 | 18.44 | 18.16 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 23.31 | 23.27 | 23.09 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 23.43 | 23.28 | 23.13 | | |
| 5 | QPSK | 1 | 24 | 23.37 | 23.38 | 23.08 | | |
| 5 | QPSK | 12 | 0 | 22.47 | 22.48 | 22.19 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.49 | 22.47 | 22.14 | | |
| 5 | QPSK | 12 | 13 | 22.42 | 22.43 | 22.21 | | |
| 5 | QPSK | 25 | 0 | 22.49 | 22.40 | 22.20 | | |
| 5 | 16QAM | 1 | 0 | 22.76 | 22.74 | 22.68 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 22.77 | 22.72 | 22.64 | | |
| 5 | 16QAM | 1 | 24 | 22.73 | 22.79 | 22.69 | | |
| 5 | 16QAM | 12 | 0 | 21.49 | 21.53 | 21.29 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 21.56 | 21.57 | 21.24 | | |
| 5 | 16QAM | 12 | 13 | 21.45 | 21.54 | 21.18 | | |
| 5 | 16QAM | 25 | 0 | 21.51 | 21.46 | 21.09 | | |
| 5 | 64QAM | 1 | 0 | 21.16 | 21.36 | 21.18 | 21.8 | 2 |
| 5 | 64QAM | 1 | 12 | 21.15 | 21.36 | 21.02 | | |
| 5 | 64QAM | 1 | 24 | 21.17 | 21.31 | 20.97 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 20.09 | 20.20 | 20.01 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 20.13 | 20.25 | 19.90 | | |
| 5 | 64QAM | 12 | 13 | 20.03 | 20.24 | 19.90 | | |
| 5 | 64QAM | 25 | 0 | 20.00 | 20.21 | 19.81 | 18.8 | 2 |
| 5 | 256QAM | 1 | 0 | 18.37 | 18.28 | 18.24 | | |
| 5 | 256QAM | 1 | 12 | 18.34 | 18.33 | 18.21 | | |
| 5 | 256QAM | 1 | 24 | 18.38 | 18.36 | 18.25 | 18.8 | 3 |
| 5 | 256QAM | 12 | 0 | 18.54 | 18.52 | 18.26 | | |
| 5 | 256QAM | 12 | 7 | 18.44 | 18.48 | 18.23 | | |
| 5 | 256QAM | 12 | 13 | 18.34 | 18.42 | 18.20 | 18.8 | 3 |
| 5 | 256QAM | 25 | 0 | 18.33 | 18.40 | 18.16 | | |



<LTE Band 12>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------------------|----------|
| Channel | | | | 23060 | 23095 | 23130 | | | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | | | |
| 10 | QPSK | 1 | 0 | 22.92 | 22.71 | 22.79 | 23.8 | 0 | | |
| 10 | QPSK | 1 | 25 | 22.88 | 22.94 | 22.64 | | | | |
| 10 | QPSK | 1 | 49 | 22.78 | 22.81 | 22.75 | | | | |
| 10 | QPSK | 25 | 0 | 21.89 | 21.90 | 21.85 | 22.8 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.08 | 22.10 | 22.05 | | | | |
| 10 | QPSK | 25 | 25 | 21.97 | 22.04 | 21.98 | | | | |
| 10 | QPSK | 50 | 0 | 21.89 | 21.95 | 21.83 | 22.8 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.29 | 22.08 | 22.25 | | | | |
| 10 | 16QAM | 1 | 25 | 22.23 | 22.09 | 22.08 | | | | |
| 10 | 16QAM | 1 | 49 | 22.19 | 22.19 | 22.15 | 21.8 | 2 | | |
| 10 | 16QAM | 25 | 0 | 20.97 | 20.90 | 20.91 | | | | |
| 10 | 16QAM | 25 | 12 | 21.07 | 21.06 | 21.08 | | | | |
| 10 | 16QAM | 25 | 25 | 21.06 | 21.08 | 20.98 | 21.8 | 2 | | |
| 10 | 16QAM | 50 | 0 | 21.02 | 20.86 | 20.86 | | | | |
| 10 | 64QAM | 1 | 0 | 21.07 | 21.03 | 21.09 | | | | |
| 10 | 64QAM | 1 | 25 | 21.09 | 21.11 | 21.11 | 21.8 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.16 | 21.17 | 21.11 | | | | |
| 10 | 64QAM | 25 | 0 | 19.88 | 19.85 | 19.86 | | | | |
| 10 | 64QAM | 25 | 12 | 20.00 | 19.97 | 20.00 | 20.8 | 3 | | |
| 10 | 64QAM | 25 | 25 | 19.97 | 19.98 | 19.96 | | | | |
| 10 | 64QAM | 50 | 0 | 19.96 | 19.87 | 19.88 | | | | |
| 10 | 256QAM | 1 | 0 | 17.92 | 17.71 | 17.79 | 18.8 | 2 | | |
| 10 | 256QAM | 1 | 25 | 17.88 | 17.94 | 17.64 | | | | |
| 10 | 256QAM | 1 | 49 | 17.78 | 17.81 | 17.75 | | | | |
| 10 | 256QAM | 25 | 0 | 17.89 | 17.90 | 17.85 | 18.8 | 3 | | |
| 10 | 256QAM | 25 | 12 | 17.98 | 18.00 | 17.95 | | | | |
| 10 | 256QAM | 25 | 25 | 17.97 | 17.94 | 17.98 | | | | |
| 10 | 256QAM | 50 | 0 | 17.89 | 17.95 | 17.83 | 18.8 | 3 | | |
| Channel | | | | 23035 | 23095 | 23155 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | | | |
| 5 | QPSK | 1 | 0 | 22.88 | 22.78 | 22.86 | 23.8 | 0 | | |
| 5 | QPSK | 1 | 12 | 22.90 | 22.91 | 22.92 | | | | |
| 5 | QPSK | 1 | 24 | 22.93 | 22.93 | 22.92 | | | | |
| 5 | QPSK | 12 | 0 | 22.07 | 21.96 | 21.92 | 22.8 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.04 | 22.05 | 21.98 | | | | |
| 5 | QPSK | 12 | 13 | 22.01 | 21.98 | 21.98 | | | | |
| 5 | QPSK | 25 | 0 | 22.06 | 21.91 | 21.91 | 22.8 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.42 | 22.36 | 22.25 | | | | |
| 5 | 16QAM | 1 | 12 | 22.06 | 22.49 | 22.31 | | | | |
| 5 | 16QAM | 1 | 24 | 22.55 | 22.31 | 22.31 | 21.8 | 2 | | |
| 5 | 16QAM | 12 | 0 | 21.08 | 20.93 | 20.91 | | | | |
| 5 | 16QAM | 12 | 7 | 21.05 | 21.02 | 20.92 | | | | |
| 5 | 16QAM | 12 | 13 | 21.03 | 20.96 | 20.91 | 21.8 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.07 | 20.91 | 20.91 | | | | |
| 5 | 64QAM | 1 | 0 | 21.11 | 21.08 | 21.01 | | | | |
| 5 | 64QAM | 1 | 12 | 21.08 | 21.13 | 21.08 | 21.8 | 2 | | |
| 5 | 64QAM | 1 | 24 | 21.14 | 21.13 | 21.07 | | | | |
| 5 | 64QAM | 12 | 0 | 20.01 | 20.02 | 19.99 | | | | |
| 5 | 64QAM | 12 | 7 | 20.03 | 20.06 | 19.98 | 20.8 | 3 | | |
| 5 | 64QAM | 12 | 13 | 20.02 | 20.05 | 19.99 | | | | |
| 5 | 64QAM | 25 | 0 | 19.99 | 19.96 | 19.89 | | | | |



| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 17.86 | 17.62 | 17.72 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.85 | 17.85 | 17.61 | | |
| 5 | 256QAM | 1 | 24 | 17.75 | 17.75 | 17.66 | | |
| 5 | 256QAM | 12 | 0 | 17.85 | 17.89 | 17.84 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.90 | 17.95 | 17.88 | | |
| 5 | 256QAM | 12 | 13 | 17.97 | 17.84 | 17.92 | | |
| 5 | 256QAM | 25 | 0 | 17.82 | 17.88 | 17.73 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 23025 | 23095 | 23165 | | |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | |
| 3 | QPSK | 1 | 0 | 22.92 | 22.89 | 22.90 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.91 | 22.93 | 22.90 | | |
| 3 | QPSK | 1 | 14 | 22.93 | 22.92 | 22.81 | | |
| 3 | QPSK | 8 | 0 | 22.01 | 21.93 | 21.97 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 22.05 | 21.96 | 21.95 | | |
| 3 | QPSK | 8 | 7 | 22.00 | 22.00 | 21.93 | | |
| 3 | QPSK | 15 | 0 | 22.04 | 21.93 | 22.02 | 22.8 | 1 |
| 3 | 16QAM | 1 | 0 | 21.97 | 21.88 | 22.07 | | |
| 3 | 16QAM | 1 | 8 | 21.98 | 21.99 | 21.93 | | |
| 3 | 16QAM | 1 | 14 | 21.98 | 21.88 | 22.07 | 21.8 | 2 |
| 3 | 16QAM | 8 | 0 | 21.21 | 21.12 | 21.06 | | |
| 3 | 16QAM | 8 | 4 | 21.15 | 21.18 | 21.08 | | |
| 3 | 16QAM | 8 | 7 | 21.13 | 21.14 | 21.04 | 21.8 | 2 |
| 3 | 16QAM | 15 | 0 | 21.12 | 21.05 | 21.07 | | |
| 3 | 64QAM | 1 | 0 | 21.14 | 21.10 | 21.06 | | |
| 3 | 64QAM | 1 | 8 | 21.19 | 21.18 | 21.08 | 21.8 | 2 |
| 3 | 64QAM | 1 | 14 | 21.13 | 21.16 | 21.02 | | |
| 3 | 64QAM | 8 | 0 | 20.08 | 20.01 | 19.95 | | |
| 3 | 64QAM | 8 | 4 | 20.06 | 20.08 | 19.97 | 20.8 | 3 |
| 3 | 64QAM | 8 | 7 | 20.00 | 20.05 | 19.94 | | |
| 3 | 64QAM | 15 | 0 | 20.02 | 19.93 | 19.94 | | |
| 3 | 256QAM | 1 | 0 | 17.83 | 17.59 | 17.64 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.76 | 17.84 | 17.60 | | |
| 3 | 256QAM | 1 | 14 | 17.73 | 17.72 | 17.66 | | |
| 3 | 256QAM | 8 | 0 | 17.77 | 17.84 | 17.79 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.81 | 17.90 | 17.83 | | |
| 3 | 256QAM | 8 | 7 | 17.94 | 17.75 | 17.85 | | |
| 3 | 256QAM | 15 | 0 | 17.77 | 17.83 | 17.63 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 23017 | 23095 | 23173 | | |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.88 | 22.77 | 22.75 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.90 | 22.83 | 22.78 | | |
| 1.4 | QPSK | 1 | 5 | 22.82 | 22.79 | 22.74 | | |
| 1.4 | QPSK | 3 | 0 | 22.87 | 22.79 | 22.70 | 22.8 | 1 |
| 1.4 | QPSK | 3 | 1 | 22.89 | 22.78 | 22.75 | | |
| 1.4 | QPSK | 3 | 3 | 22.92 | 22.82 | 22.77 | | |
| 1.4 | QPSK | 6 | 0 | 21.95 | 21.83 | 21.86 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.11 | 21.99 | 22.38 | | |
| 1.4 | 16QAM | 1 | 3 | 22.27 | 22.17 | 22.43 | | |
| 1.4 | 16QAM | 1 | 5 | 22.18 | 22.12 | 22.23 | 22.8 | 1 |
| 1.4 | 16QAM | 3 | 0 | 21.98 | 21.92 | 21.83 | | |
| 1.4 | 16QAM | 3 | 1 | 22.03 | 21.92 | 21.83 | | |
| 1.4 | 16QAM | 3 | 3 | 21.97 | 21.90 | 21.75 | 21.8 | 2 |
| 1.4 | 16QAM | 6 | 0 | 21.06 | 20.89 | 20.94 | | |
| 1.4 | 64QAM | 1 | 0 | 21.07 | 20.99 | 21.00 | | |
| 1.4 | 64QAM | 1 | 3 | 21.11 | 21.14 | 21.02 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 5 | 21.05 | 21.09 | 20.95 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 21.06 | 20.97 | 20.96 | | |
| 1.4 | 64QAM | 3 | 1 | 21.12 | 21.03 | 20.99 | | |
| 1.4 | 64QAM | 3 | 3 | 21.09 | 21.04 | 20.96 | | |
| 1.4 | 64QAM | 6 | 0 | 19.93 | 19.84 | 19.81 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.78 | 17.57 | 17.60 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.73 | 17.79 | 17.60 | | |
| 1.4 | 256QAM | 1 | 5 | 17.68 | 17.69 | 17.60 | | |
| 1.4 | 256QAM | 3 | 0 | 17.70 | 17.83 | 17.74 | | |
| 1.4 | 256QAM | 3 | 1 | 17.71 | 17.81 | 17.78 | | |
| 1.4 | 256QAM | 3 | 3 | 17.88 | 17.74 | 17.79 | | |
| 1.4 | 256QAM | 6 | 0 | 17.67 | 17.73 | 17.61 | 18.8 | 0 |



<LTE Band 13>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23230 | | | | |
| Frequency (MHz) | | | | 782 | | | | |
| 10 | QPSK | 1 | 0 | | 22.92 | | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | | 22.90 | | | |
| 10 | QPSK | 1 | 49 | | 22.84 | | | |
| 10 | QPSK | 25 | 0 | | 22.01 | | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | | 22.03 | | | |
| 10 | QPSK | 25 | 25 | | 22.00 | | | |
| 10 | QPSK | 50 | 0 | | 21.94 | | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | | 22.56 | | | |
| 10 | 16QAM | 1 | 25 | | 22.55 | | | |
| 10 | 16QAM | 1 | 49 | | 22.45 | | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | | 20.91 | | | |
| 10 | 16QAM | 25 | 12 | | 20.93 | | | |
| 10 | 16QAM | 25 | 25 | | 20.98 | | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | | 20.91 | | | |
| 10 | 64QAM | 1 | 0 | | 20.84 | | | |
| 10 | 64QAM | 1 | 25 | | 20.93 | | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | | 20.88 | | | |
| 10 | 64QAM | 25 | 0 | | 19.73 | | | |
| 10 | 64QAM | 25 | 12 | | 19.79 | | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | | 19.81 | | | |
| 10 | 64QAM | 50 | 0 | | 19.70 | | | |
| 10 | 256QAM | 1 | 0 | | 17.92 | | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | | 17.90 | | | |
| 10 | 256QAM | 1 | 49 | | 17.84 | | | |
| 10 | 256QAM | 25 | 0 | | 17.99 | | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | | 17.97 | | | |
| 10 | 256QAM | 25 | 25 | | 18.00 | | | |
| 10 | 256QAM | 50 | 0 | | 17.94 | | | |
| Channel | | | | 23205 | 23230 | 23255 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 5 | QPSK | 1 | 0 | 22.91 | 22.90 | 22.84 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.89 | 22.89 | 22.90 | | |
| 5 | QPSK | 1 | 24 | 22.91 | 22.91 | 22.82 | | |
| 5 | QPSK | 12 | 0 | 22.08 | 22.06 | 22.00 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.15 | 22.08 | 22.08 | | |
| 5 | QPSK | 12 | 13 | 22.12 | 22.12 | 22.07 | | |
| 5 | QPSK | 25 | 0 | 21.98 | 21.96 | 21.91 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.15 | 22.02 | 22.45 | | |
| 5 | 16QAM | 1 | 12 | 22.09 | 22.40 | 22.39 | | |
| 5 | 16QAM | 1 | 24 | 22.18 | 22.13 | 22.09 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 21.19 | 21.18 | 20.95 | | |
| 5 | 16QAM | 12 | 7 | 21.14 | 21.12 | 21.07 | | |
| 5 | 16QAM | 12 | 13 | 21.13 | 21.07 | 21.04 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.12 | 21.00 | 20.90 | | |
| 5 | 64QAM | 1 | 0 | 20.62 | 20.91 | 20.82 | | |
| 5 | 64QAM | 1 | 12 | 20.98 | 20.93 | 20.81 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.96 | 20.86 | 20.86 | | |
| 5 | 64QAM | 12 | 0 | 19.91 | 19.78 | 19.77 | | |
| 5 | 64QAM | 12 | 7 | 19.92 | 19.85 | 19.86 | 20.8 | 3 |
| 5 | 64QAM | 12 | 13 | 19.86 | 19.84 | 19.82 | | |
| 5 | 64QAM | 25 | 0 | 19.79 | 19.77 | 19.77 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 17.90 | 17.87 | 17.83 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.83 | 17.89 | 17.86 | | |
| 5 | 256QAM | 1 | 24 | 17.78 | 17.82 | 17.82 | | |
| 5 | 256QAM | 12 | 0 | 17.92 | 17.98 | 17.92 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.90 | 17.90 | 17.88 | | |
| 5 | 256QAM | 12 | 13 | 17.96 | 17.90 | 17.99 | | |
| 5 | 256QAM | 25 | 0 | 17.88 | 17.94 | 17.85 | | |



<LTE Band 17>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23780 | 23790 | 23800 | | |
| Frequency (MHz) | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 22.85 | 22.96 | 22.89 | | |
| 10 | QPSK | 1 | 25 | 22.83 | 22.87 | 22.95 | 22.8 | 1 |
| 10 | QPSK | 1 | 49 | 22.88 | 22.95 | 22.91 | | |
| 10 | QPSK | 25 | 0 | 22.00 | 22.01 | 22.00 | | |
| 10 | QPSK | 25 | 12 | 22.06 | 22.09 | 22.01 | 22.8 | 1 |
| 10 | QPSK | 25 | 25 | 22.04 | 21.91 | 21.96 | | |
| 10 | QPSK | 50 | 0 | 21.98 | 22.04 | 22.02 | | |
| 10 | 16QAM | 1 | 0 | 22.26 | 22.50 | 22.57 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.20 | 22.56 | 22.57 | | |
| 10 | 16QAM | 1 | 49 | 22.19 | 22.42 | 22.58 | | |
| 10 | 16QAM | 25 | 0 | 21.05 | 21.04 | 21.10 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 21.21 | 20.93 | 21.05 | | |
| 10 | 16QAM | 25 | 25 | 21.11 | 21.08 | 21.03 | | |
| 10 | 16QAM | 50 | 0 | 20.99 | 21.08 | 21.02 | 21.8 | 2 |
| 10 | 64QAM | 1 | 0 | 21.12 | 21.06 | 20.99 | | |
| 10 | 64QAM | 1 | 25 | 21.15 | 21.21 | 21.11 | | |
| 10 | 64QAM | 1 | 49 | 21.16 | 21.11 | 21.09 | 20.8 | 3 |
| 10 | 64QAM | 25 | 0 | 19.98 | 19.97 | 19.96 | | |
| 10 | 64QAM | 25 | 12 | 20.09 | 20.03 | 19.99 | | |
| 10 | 64QAM | 25 | 25 | 20.03 | 19.95 | 19.93 | 20.8 | 3 |
| 10 | 64QAM | 50 | 0 | 19.97 | 19.99 | 19.99 | | |
| 10 | 256QAM | 1 | 0 | 17.85 | 17.96 | 17.89 | | |
| 10 | 256QAM | 1 | 25 | 17.83 | 17.87 | 17.95 | 18.8 | 2 |
| 10 | 256QAM | 1 | 49 | 17.88 | 17.95 | 17.91 | | |
| 10 | 256QAM | 25 | 0 | 18.00 | 17.93 | 18.00 | | |
| 10 | 256QAM | 25 | 12 | 17.96 | 18.00 | 17.91 | 18.8 | 3 |
| 10 | 256QAM | 25 | 25 | 17.94 | 17.91 | 17.96 | | |
| 10 | 256QAM | 50 | 0 | 17.98 | 17.94 | 17.91 | | |
| Channel | | | | 23755 | 23790 | 23825 | | |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 22.93 | 22.95 | 22.83 | | |
| 5 | QPSK | 1 | 12 | 22.94 | 22.95 | 22.89 | 22.8 | 1 |
| 5 | QPSK | 1 | 24 | 22.95 | 22.91 | 22.75 | | |
| 5 | QPSK | 12 | 0 | 22.02 | 22.02 | 21.94 | | |
| 5 | QPSK | 12 | 7 | 22.04 | 22.01 | 22.05 | 22.8 | 1 |
| 5 | QPSK | 12 | 13 | 22.08 | 21.96 | 21.93 | | |
| 5 | QPSK | 25 | 0 | 22.10 | 22.06 | 22.07 | | |
| 5 | 16QAM | 1 | 0 | 22.34 | 22.23 | 22.23 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 22.37 | 22.39 | 22.16 | | |
| 5 | 16QAM | 1 | 24 | 22.38 | 22.22 | 22.20 | | |
| 5 | 16QAM | 12 | 0 | 21.02 | 20.98 | 20.91 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 21.04 | 20.98 | 20.98 | | |
| 5 | 16QAM | 12 | 13 | 21.08 | 20.97 | 20.87 | | |
| 5 | 16QAM | 25 | 0 | 21.02 | 20.96 | 20.96 | 21.8 | 2 |
| 5 | 64QAM | 1 | 0 | 21.11 | 21.06 | 21.07 | | |
| 5 | 64QAM | 1 | 12 | 21.10 | 21.11 | 21.06 | | |
| 5 | 64QAM | 1 | 24 | 21.16 | 21.06 | 21.01 | 20.8 | 3 |
| 5 | 64QAM | 12 | 0 | 20.04 | 19.99 | 20.01 | | |
| 5 | 64QAM | 12 | 7 | 20.09 | 20.04 | 20.00 | | |
| 5 | 64QAM | 12 | 13 | 20.11 | 20.03 | 19.98 | 20.8 | 3 |
| 5 | 64QAM | 25 | 0 | 20.03 | 19.99 | 19.94 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 17.77 | 17.88 | 17.89 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.74 | 17.80 | 17.92 | | |
| 5 | 256QAM | 1 | 24 | 17.87 | 17.87 | 17.84 | | |
| 5 | 256QAM | 12 | 0 | 17.94 | 17.92 | 17.96 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.87 | 17.93 | 17.81 | | |
| 5 | 256QAM | 12 | 13 | 17.93 | 17.88 | 17.88 | | |
| 5 | 256QAM | 25 | 0 | 17.97 | 17.86 | 17.87 | | |



<LTE Band 25>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26140 | 26340 | 26590 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1905 | | |
| 20 | QPSK | 1 | 0 | 23.13 | 23.23 | 23.21 | 23.8 | 0 |
| 20 | QPSK | 1 | 49 | 23.11 | 23.20 | 23.11 | | |
| 20 | QPSK | 1 | 99 | 23.09 | 23.19 | 23.12 | | |
| 20 | QPSK | 50 | 0 | 22.16 | 22.27 | 22.22 | 22.8 | 1 |
| 20 | QPSK | 50 | 24 | 22.23 | 22.34 | 22.19 | | |
| 20 | QPSK | 50 | 50 | 22.19 | 22.30 | 22.22 | | |
| 20 | QPSK | 100 | 0 | 22.14 | 22.26 | 22.13 | 22.8 | 1 |
| 20 | 16QAM | 1 | 0 | 22.28 | 22.51 | 22.21 | | |
| 20 | 16QAM | 1 | 49 | 22.28 | 22.24 | 22.20 | | |
| 20 | 16QAM | 1 | 99 | 22.29 | 22.06 | 22.15 | 21.8 | 2 |
| 20 | 16QAM | 50 | 0 | 21.11 | 21.25 | 21.34 | | |
| 20 | 16QAM | 50 | 24 | 21.17 | 21.37 | 21.18 | | |
| 20 | 16QAM | 50 | 50 | 21.19 | 21.34 | 21.26 | 21.8 | 2 |
| 20 | 16QAM | 100 | 0 | 21.28 | 21.26 | 21.20 | | |
| 20 | 64QAM | 1 | 0 | 21.12 | 21.32 | 21.20 | | |
| 20 | 64QAM | 1 | 49 | 21.16 | 21.30 | 21.17 | 21.8 | 2 |
| 20 | 64QAM | 1 | 99 | 21.05 | 21.28 | 21.17 | | |
| 20 | 64QAM | 50 | 0 | 20.03 | 20.16 | 20.04 | | |
| 20 | 64QAM | 50 | 24 | 20.11 | 20.23 | 20.05 | 20.8 | 3 |
| 20 | 64QAM | 50 | 50 | 20.03 | 20.16 | 20.08 | | |
| 20 | 64QAM | 100 | 0 | 19.99 | 20.11 | 19.96 | | |
| 20 | 256QAM | 1 | 0 | 18.13 | 18.23 | 18.21 | 18.8 | 2 |
| 20 | 256QAM | 1 | 49 | 18.11 | 18.20 | 18.11 | | |
| 20 | 256QAM | 1 | 99 | 18.09 | 18.19 | 18.12 | | |
| 20 | 256QAM | 50 | 0 | 18.16 | 18.27 | 18.22 | 18.8 | 3 |
| 20 | 256QAM | 50 | 24 | 18.23 | 18.29 | 18.19 | | |
| 20 | 256QAM | 50 | 50 | 18.19 | 18.30 | 18.22 | | |
| 20 | 256QAM | 100 | 0 | 18.14 | 18.26 | 18.13 | | |
| Channel | | | | 26115 | 26340 | 26615 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1907.5 | | |
| 15 | QPSK | 1 | 0 | 22.92 | 23.22 | 23.16 | 23.8 | 0 |
| 15 | QPSK | 1 | 37 | 23.09 | 23.18 | 23.18 | | |
| 15 | QPSK | 1 | 74 | 22.99 | 23.19 | 23.13 | | |
| 15 | QPSK | 36 | 0 | 22.02 | 22.18 | 22.15 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.26 | 22.34 | 22.29 | | |
| 15 | QPSK | 36 | 39 | 22.20 | 22.35 | 22.23 | | |
| 15 | QPSK | 75 | 0 | 22.08 | 22.26 | 22.23 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.09 | 22.72 | 22.71 | | |
| 15 | 16QAM | 1 | 37 | 22.32 | 22.78 | 22.71 | | |
| 15 | 16QAM | 1 | 74 | 22.22 | 22.80 | 22.74 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 21.10 | 21.16 | 21.17 | | |
| 15 | 16QAM | 36 | 20 | 21.30 | 21.32 | 21.35 | | |
| 15 | 16QAM | 36 | 39 | 21.17 | 21.32 | 21.22 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.22 | 21.22 | 21.32 | | |
| 15 | 64QAM | 1 | 0 | 20.87 | 21.32 | 21.15 | | |
| 15 | 64QAM | 1 | 37 | 21.16 | 21.30 | 21.24 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 20.99 | 21.30 | 21.22 | | |
| 15 | 64QAM | 36 | 0 | 19.95 | 20.08 | 19.99 | | |
| 15 | 64QAM | 36 | 20 | 20.10 | 20.27 | 20.12 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 20.05 | 20.19 | 20.08 | | |
| 15 | 64QAM | 75 | 0 | 20.00 | 20.14 | 20.03 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 18.08 | 18.16 | 18.21 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 18.07 | 18.19 | 18.02 | | |
| 15 | 256QAM | 1 | 74 | 18.07 | 18.15 | 18.09 | | |
| 15 | 256QAM | 36 | 0 | 18.15 | 18.20 | 18.20 | 18.8 | 3 |
| 15 | 256QAM | 36 | 20 | 18.17 | 18.28 | 18.16 | | |
| 15 | 256QAM | 36 | 39 | 18.14 | 18.30 | 18.18 | | |
| 15 | 256QAM | 75 | 0 | 18.08 | 18.20 | 18.05 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26090 | 26340 | 26640 | | |
| Frequency (MHz) | | | | 1855 | 1880 | 1910 | | |
| 10 | QPSK | 1 | 0 | 22.70 | 22.78 | 22.86 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 22.93 | 22.78 | 22.87 | | |
| 10 | QPSK | 1 | 49 | 22.71 | 22.57 | 22.86 | | |
| 10 | QPSK | 25 | 0 | 21.83 | 21.95 | 21.99 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 21.94 | 22.10 | 22.05 | | |
| 10 | QPSK | 25 | 25 | 21.88 | 21.99 | 22.06 | | |
| 10 | QPSK | 50 | 0 | 21.86 | 22.09 | 22.03 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 21.93 | 22.04 | 22.35 | | |
| 10 | 16QAM | 1 | 25 | 22.12 | 22.33 | 22.22 | | |
| 10 | 16QAM | 1 | 49 | 21.90 | 22.07 | 22.17 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.74 | 21.05 | 21.05 | | |
| 10 | 16QAM | 25 | 12 | 20.89 | 21.16 | 21.10 | | |
| 10 | 16QAM | 25 | 25 | 20.96 | 21.13 | 21.02 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 20.95 | 21.11 | 21.01 | | |
| 10 | 64QAM | 1 | 0 | 20.69 | 20.76 | 20.89 | | |
| 10 | 64QAM | 1 | 25 | 21.00 | 21.13 | 20.99 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 20.69 | 20.83 | 20.97 | | |
| 10 | 64QAM | 25 | 0 | 19.66 | 19.85 | 19.71 | | |
| 10 | 64QAM | 25 | 12 | 19.86 | 20.06 | 19.82 | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | 19.79 | 19.94 | 19.83 | | |
| 10 | 64QAM | 50 | 0 | 19.79 | 19.94 | 19.76 | | |
| 10 | 256QAM | 1 | 0 | 18.07 | 18.12 | 18.14 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 18.01 | 18.10 | 17.93 | | |
| 10 | 256QAM | 1 | 49 | 17.97 | 18.09 | 18.06 | | |
| 10 | 256QAM | 25 | 0 | 18.14 | 18.18 | 18.11 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 18.08 | 18.27 | 18.13 | | |
| 10 | 256QAM | 25 | 25 | 18.13 | 18.27 | 18.15 | | |
| 10 | 256QAM | 50 | 0 | 18.06 | 18.11 | 18.05 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26065 | 26340 | 26665 | | |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1912.5 | | |
| 5 | QPSK | 1 | 0 | 22.73 | 22.94 | 22.92 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.84 | 22.99 | 22.91 | | |
| 5 | QPSK | 1 | 24 | 22.89 | 22.98 | 23.02 | | |
| 5 | QPSK | 12 | 0 | 21.85 | 22.02 | 22.00 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 21.97 | 22.16 | 22.00 | | |
| 5 | QPSK | 12 | 13 | 21.97 | 22.11 | 22.04 | | |
| 5 | QPSK | 25 | 0 | 21.96 | 22.08 | 22.02 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.39 | 22.44 | 22.51 | | |
| 5 | 16QAM | 1 | 12 | 22.38 | 22.50 | 22.51 | | |
| 5 | 16QAM | 1 | 24 | 22.42 | 22.62 | 22.50 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 20.91 | 20.98 | 21.07 | | |
| 5 | 16QAM | 12 | 7 | 20.97 | 21.18 | 21.04 | | |
| 5 | 16QAM | 12 | 13 | 20.90 | 21.13 | 21.13 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 20.97 | 21.18 | 21.00 | | |
| 5 | 64QAM | 1 | 0 | 20.95 | 21.00 | 20.92 | | |
| 5 | 64QAM | 1 | 12 | 20.92 | 21.04 | 20.87 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.94 | 21.10 | 20.93 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 19.82 | 19.97 | 19.83 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 19.88 | 20.06 | 19.82 | | |
| 5 | 64QAM | 12 | 13 | 19.86 | 20.01 | 19.90 | | |
| 5 | 64QAM | 25 | 0 | 19.82 | 19.98 | 19.77 | 18.8 | 2 |
| 5 | 256QAM | 1 | 0 | 17.99 | 18.07 | 18.11 | | |
| 5 | 256QAM | 1 | 12 | 17.98 | 18.03 | 17.84 | | |
| 5 | 256QAM | 1 | 24 | 17.94 | 18.04 | 18.04 | 18.8 | 3 |
| 5 | 256QAM | 12 | 0 | 18.09 | 18.12 | 18.05 | | |
| 5 | 256QAM | 12 | 7 | 18.05 | 18.19 | 18.12 | | |
| 5 | 256QAM | 12 | 13 | 18.09 | 18.18 | 18.09 | | |
| 5 | 256QAM | 25 | 0 | 17.98 | 18.10 | 18.01 | Channel | MPR (dB) |
| Channel | | | | 26055 | 26340 | 26675 | | |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1913.5 | | |
| 3 | QPSK | 1 | 0 | 22.88 | 22.91 | 22.95 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.91 | 23.01 | 23.01 | | |
| 3 | QPSK | 1 | 14 | 22.95 | 23.06 | 22.96 | | |
| 3 | QPSK | 8 | 0 | 21.89 | 22.11 | 22.03 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 21.93 | 22.13 | 22.05 | | |
| 3 | QPSK | 8 | 7 | 21.93 | 22.09 | 22.02 | | |
| 3 | QPSK | 15 | 0 | 21.88 | 22.09 | 22.08 | | |
| 3 | 16QAM | 1 | 0 | 21.94 | 22.03 | 21.96 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 22.00 | 22.13 | 22.02 | | |
| 3 | 16QAM | 1 | 14 | 22.00 | 22.19 | 21.97 | | |
| 3 | 16QAM | 8 | 0 | 20.90 | 21.06 | 21.19 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 20.98 | 21.19 | 21.24 | | |
| 3 | 16QAM | 8 | 7 | 20.94 | 21.19 | 21.18 | | |
| 3 | 16QAM | 15 | 0 | 20.85 | 21.04 | 21.17 | | |
| 3 | 64QAM | 1 | 0 | 20.96 | 20.97 | 20.88 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.01 | 21.09 | 20.96 | | |
| 3 | 64QAM | 1 | 14 | 20.93 | 21.11 | 20.97 | | |
| 3 | 64QAM | 8 | 0 | 19.86 | 20.03 | 19.83 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.85 | 20.04 | 19.87 | | |
| 3 | 64QAM | 8 | 7 | 19.83 | 20.01 | 19.88 | | |
| 3 | 64QAM | 15 | 0 | 19.82 | 19.99 | 19.83 | | |
| 3 | 256QAM | 1 | 0 | 17.89 | 18.01 | 18.07 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.94 | 17.97 | 17.80 | | |
| 3 | 256QAM | 1 | 14 | 17.90 | 17.96 | 17.96 | | |
| 3 | 256QAM | 8 | 0 | 18.00 | 18.12 | 18.05 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.95 | 18.13 | 18.05 | | |
| 3 | 256QAM | 8 | 7 | 18.00 | 18.17 | 18.04 | | |
| 3 | 256QAM | 15 | 0 | 17.96 | 18.04 | 17.93 | | |
| Channel | | | | 26047 | 26340 | 26683 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1914.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.65 | 22.80 | 22.85 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.85 | 22.94 | 22.87 | | |
| 1.4 | QPSK | 1 | 5 | 22.70 | 22.90 | 22.86 | | |
| 1.4 | QPSK | 3 | 0 | 22.79 | 22.94 | 22.83 | | |
| 1.4 | QPSK | 3 | 1 | 22.77 | 22.90 | 22.88 | | |
| 1.4 | QPSK | 3 | 3 | 22.82 | 22.85 | 22.86 | 22.8 | 1 |
| 1.4 | QPSK | 6 | 0 | 21.78 | 22.04 | 21.98 | | |
| 1.4 | 16QAM | 1 | 0 | 21.99 | 21.97 | 22.38 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.02 | 22.14 | 22.55 | | |
| 1.4 | 16QAM | 1 | 5 | 21.95 | 22.15 | 22.45 | | |
| 1.4 | 16QAM | 3 | 0 | 21.87 | 22.01 | 21.94 | | |
| 1.4 | 16QAM | 3 | 1 | 21.92 | 22.09 | 22.04 | | |
| 1.4 | 16QAM | 3 | 3 | 21.92 | 22.02 | 22.00 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 20.89 | 21.08 | 21.00 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.87 | 20.95 | 20.87 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.93 | 21.05 | 20.88 | | |
| 1.4 | 64QAM | 1 | 5 | 20.87 | 21.04 | 20.83 | | |
| 1.4 | 64QAM | 3 | 0 | 20.86 | 20.95 | 20.81 | | |
| 1.4 | 64QAM | 3 | 1 | 20.89 | 21.02 | 20.83 | | |
| 1.4 | 64QAM | 3 | 3 | 20.89 | 20.96 | 20.82 | | |
| 1.4 | 64QAM | 6 | 0 | 19.76 | 19.88 | 19.75 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.82 | 17.96 | 18.00 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.85 | 17.92 | 17.78 | | |
| 1.4 | 256QAM | 1 | 5 | 17.86 | 17.90 | 17.93 | | |
| 1.4 | 256QAM | 3 | 0 | 18.00 | 18.10 | 18.01 | | |
| 1.4 | 256QAM | 3 | 1 | 17.89 | 18.10 | 18.01 | | |
| 1.4 | 256QAM | 3 | 3 | 17.99 | 18.16 | 18.02 | | |
| 1.4 | 256QAM | 6 | 0 | 17.95 | 17.97 | 17.86 | 18.8 | 0 |



<LTE Band 26>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26765 | 26865 | 26965 | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | |
| 15 | QPSK | 1 | 0 | 22.96 | 22.99 | 22.95 | | |
| 15 | QPSK | 1 | 37 | 22.90 | 22.93 | 22.90 | | |
| 15 | QPSK | 1 | 74 | 22.94 | 22.96 | 22.77 | | |
| 15 | QPSK | 36 | 0 | 21.94 | 21.91 | 21.96 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.05 | 22.07 | 22.01 | | |
| 15 | QPSK | 36 | 39 | 22.01 | 21.98 | 22.06 | | |
| 15 | QPSK | 75 | 0 | 22.02 | 22.05 | 22.03 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.16 | 22.43 | 22.01 | | |
| 15 | 16QAM | 1 | 37 | 22.26 | 22.08 | 21.98 | | |
| 15 | 16QAM | 1 | 74 | 22.10 | 21.93 | 21.84 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 20.91 | 20.92 | 20.97 | | |
| 15 | 16QAM | 36 | 20 | 21.10 | 20.94 | 21.10 | | |
| 15 | 16QAM | 36 | 39 | 21.02 | 20.98 | 21.03 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.06 | 20.98 | 21.01 | | |
| 15 | 64QAM | 1 | 0 | 20.94 | 20.91 | 21.02 | | |
| 15 | 64QAM | 1 | 37 | 21.05 | 21.00 | 21.09 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 21.07 | 21.03 | 21.01 | | |
| 15 | 64QAM | 36 | 0 | 19.79 | 19.80 | 19.86 | | |
| 15 | 64QAM | 36 | 20 | 19.94 | 19.89 | 20.02 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 19.86 | 19.92 | 19.94 | | |
| 15 | 64QAM | 75 | 0 | 19.85 | 19.81 | 19.93 | | |
| 15 | 256QAM | 1 | 0 | 17.96 | 17.99 | 17.95 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 17.90 | 17.93 | 17.90 | | |
| 15 | 256QAM | 1 | 74 | 17.94 | 17.96 | 17.77 | | |
| 15 | 256QAM | 36 | 0 | 17.94 | 17.91 | 17.96 | 18.8 | 3 |
| 15 | 256QAM | 36 | 20 | 17.95 | 18.00 | 17.93 | | |
| 15 | 256QAM | 36 | 39 | 17.96 | 17.98 | 17.99 | | |
| 15 | 256QAM | 75 | 0 | 17.92 | 17.96 | 17.93 | | |
| Channel | | | | 26740 | 26865 | 26990 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 22.88 | 22.85 | 22.84 | | |
| 10 | QPSK | 1 | 25 | 22.87 | 22.88 | 22.94 | | |
| 10 | QPSK | 1 | 49 | 22.76 | 22.86 | 22.80 | | |
| 10 | QPSK | 25 | 0 | 21.74 | 21.83 | 21.80 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 21.94 | 21.95 | 21.87 | | |
| 10 | QPSK | 25 | 25 | 21.69 | 21.83 | 21.87 | | |
| 10 | QPSK | 50 | 0 | 21.81 | 21.78 | 21.88 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 22.11 | 22.36 | 22.50 | | |
| 10 | 16QAM | 1 | 25 | 22.05 | 22.36 | 22.63 | | |
| 10 | 16QAM | 1 | 49 | 22.09 | 22.34 | 22.32 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.83 | 20.78 | 20.73 | | |
| 10 | 16QAM | 25 | 12 | 20.90 | 20.89 | 20.77 | | |
| 10 | 16QAM | 25 | 25 | 20.76 | 20.91 | 20.77 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 20.90 | 20.82 | 20.88 | | |
| 10 | 64QAM | 1 | 0 | 20.84 | 20.86 | 20.91 | | |
| 10 | 64QAM | 1 | 25 | 20.89 | 20.91 | 20.93 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 20.90 | 20.86 | 20.87 | | |
| 10 | 64QAM | 25 | 0 | 19.56 | 19.65 | 19.69 | | |
| 10 | 64QAM | 25 | 12 | 19.76 | 19.79 | 19.80 | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | 19.70 | 19.77 | 19.77 | | |
| 10 | 64QAM | 50 | 0 | 19.68 | 19.69 | 19.72 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 10 | 256QAM | 1 | 0 | 17.88 | 17.96 | 17.90 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 17.84 | 17.92 | 17.80 | | |
| 10 | 256QAM | 1 | 49 | 17.91 | 17.88 | 17.71 | | |
| 10 | 256QAM | 25 | 0 | 17.94 | 17.84 | 17.93 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 17.95 | 17.94 | 17.88 | | |
| 10 | 256QAM | 25 | 25 | 17.86 | 17.95 | 17.90 | | |
| 10 | 256QAM | 50 | 0 | 17.83 | 17.95 | 17.90 | | |
| Channel | | | | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 816.5 | 831.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 22.75 | 22.75 | 22.85 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.83 | 22.85 | 22.96 | | |
| 5 | QPSK | 1 | 24 | 22.80 | 22.86 | 22.89 | | |
| 5 | QPSK | 12 | 0 | 21.88 | 21.89 | 21.83 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 21.92 | 22.08 | 21.86 | | |
| 5 | QPSK | 12 | 13 | 21.93 | 21.96 | 21.88 | | |
| 5 | QPSK | 25 | 0 | 21.92 | 21.93 | 21.87 | | |
| 5 | 16QAM | 1 | 0 | 21.74 | 21.77 | 21.97 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 21.80 | 22.00 | 22.03 | | |
| 5 | 16QAM | 1 | 24 | 21.76 | 22.07 | 21.97 | | |
| 5 | 16QAM | 12 | 0 | 20.94 | 20.91 | 20.98 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 20.97 | 21.14 | 20.97 | | |
| 5 | 16QAM | 12 | 13 | 21.02 | 21.07 | 20.94 | | |
| 5 | 16QAM | 25 | 0 | 20.95 | 21.01 | 20.98 | | |
| 5 | 64QAM | 1 | 0 | 20.86 | 20.95 | 21.03 | 21.8 | 2 |
| 5 | 64QAM | 1 | 12 | 20.90 | 20.98 | 21.03 | | |
| 5 | 64QAM | 1 | 24 | 20.82 | 20.95 | 20.94 | | |
| 5 | 64QAM | 12 | 0 | 19.76 | 19.77 | 19.85 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 19.82 | 19.89 | 19.89 | | |
| 5 | 64QAM | 12 | 13 | 19.79 | 19.85 | 19.89 | | |
| 5 | 64QAM | 25 | 0 | 19.75 | 19.73 | 19.81 | | |
| 5 | 256QAM | 1 | 0 | 17.83 | 17.94 | 17.80 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.75 | 17.85 | 17.74 | | |
| 5 | 256QAM | 1 | 24 | 17.85 | 17.84 | 17.61 | | |
| 5 | 256QAM | 12 | 0 | 17.92 | 17.82 | 17.83 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.94 | 17.86 | 17.87 | | |
| 5 | 256QAM | 12 | 13 | 17.81 | 17.85 | 17.85 | | |
| 5 | 256QAM | 25 | 0 | 17.77 | 17.94 | 17.86 | | |
| Channel | | | | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 815.5 | 831.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.86 | 22.94 | 22.84 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.98 | 22.96 | 22.97 | | |
| 3 | QPSK | 1 | 14 | 22.81 | 22.87 | 22.83 | | |
| 3 | QPSK | 8 | 0 | 21.93 | 21.88 | 21.95 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 21.91 | 21.95 | 21.96 | | |
| 3 | QPSK | 8 | 7 | 21.94 | 21.98 | 21.89 | | |
| 3 | QPSK | 15 | 0 | 21.92 | 21.85 | 21.94 | | |
| 3 | 16QAM | 1 | 0 | 22.39 | 21.99 | 22.45 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 22.13 | 22.18 | 22.40 | | |
| 3 | 16QAM | 1 | 14 | 21.99 | 22.01 | 22.34 | | |
| 3 | 16QAM | 8 | 0 | 21.07 | 21.01 | 21.00 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 21.11 | 21.17 | 21.01 | | |
| 3 | 16QAM | 8 | 7 | 21.04 | 21.12 | 21.00 | | |
| 3 | 16QAM | 15 | 0 | 21.04 | 21.11 | 20.90 | | |
| 3 | 64QAM | 1 | 0 | 20.91 | 20.85 | 20.99 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 20.94 | 21.03 | 21.02 | | |
| 3 | 64QAM | 1 | 14 | 20.83 | 20.97 | 20.93 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 3 | 64QAM | 8 | 0 | 19.79 | 19.81 | 19.89 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.82 | 19.87 | 19.92 | | |
| 3 | 64QAM | 8 | 7 | 19.76 | 19.84 | 19.87 | | |
| 3 | 64QAM | 15 | 0 | 19.77 | 19.77 | 19.85 | | |
| 3 | 256QAM | 1 | 0 | 17.78 | 17.89 | 17.71 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.75 | 17.77 | 17.72 | | |
| 3 | 256QAM | 1 | 14 | 17.83 | 17.76 | 17.55 | 18.8 | 3 |
| 3 | 256QAM | 8 | 0 | 17.91 | 17.81 | 17.75 | | |
| 3 | 256QAM | 8 | 4 | 17.86 | 17.83 | 17.83 | | |
| 3 | 256QAM | 8 | 7 | 17.75 | 17.82 | 17.83 | | |
| 3 | 256QAM | 15 | 0 | 17.69 | 17.93 | 17.85 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26697 | 26865 | 27033 | | |
| Frequency (MHz) | | | | 814.7 | 831.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.78 | 22.68 | 22.67 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.85 | 22.87 | 22.84 | | |
| 1.4 | QPSK | 1 | 5 | 22.82 | 22.83 | 22.69 | | |
| 1.4 | QPSK | 3 | 0 | 22.84 | 22.77 | 22.75 | | |
| 1.4 | QPSK | 3 | 1 | 22.86 | 22.88 | 22.73 | | |
| 1.4 | QPSK | 3 | 3 | 22.86 | 22.87 | 22.75 | | |
| 1.4 | QPSK | 6 | 0 | 21.89 | 21.80 | 21.86 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.07 | 22.02 | 22.03 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.17 | 22.15 | 22.02 | | |
| 1.4 | 16QAM | 1 | 5 | 22.12 | 22.07 | 22.01 | | |
| 1.4 | 16QAM | 3 | 0 | 21.99 | 21.87 | 21.80 | | |
| 1.4 | 16QAM | 3 | 1 | 21.94 | 21.86 | 21.92 | | |
| 1.4 | 16QAM | 3 | 3 | 21.97 | 21.87 | 21.86 | | |
| 1.4 | 16QAM | 6 | 0 | 21.02 | 20.89 | 20.94 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.89 | 20.79 | 20.91 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.94 | 20.94 | 20.94 | | |
| 1.4 | 64QAM | 1 | 5 | 20.84 | 20.88 | 20.89 | | |
| 1.4 | 64QAM | 3 | 0 | 20.84 | 20.76 | 20.83 | | |
| 1.4 | 64QAM | 3 | 1 | 20.86 | 20.84 | 20.89 | | |
| 1.4 | 64QAM | 3 | 3 | 20.83 | 20.83 | 20.85 | | |
| 1.4 | 64QAM | 6 | 0 | 19.69 | 19.71 | 19.74 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.77 | 17.81 | 17.69 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.65 | 17.72 | 17.70 | | |
| 1.4 | 256QAM | 1 | 5 | 17.73 | 17.72 | 17.52 | | |
| 1.4 | 256QAM | 3 | 0 | 17.83 | 17.78 | 17.71 | | |
| 1.4 | 256QAM | 3 | 1 | 17.83 | 17.76 | 17.73 | | |
| 1.4 | 256QAM | 3 | 3 | 17.65 | 17.82 | 17.83 | | |
| 1.4 | 256QAM | 6 | 0 | 17.68 | 17.90 | 17.77 | 18.8 | 0 |



<LTE Band 30>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 27710 | | | | |
| Frequency (MHz) | | | | 2310 | | | | |
| 10 | QPSK | 1 | 0 | | 23.15 | | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | | 23.11 | | | |
| 10 | QPSK | 1 | 49 | | 23.00 | | | |
| 10 | QPSK | 25 | 0 | | 22.09 | | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | | 22.15 | | | |
| 10 | QPSK | 25 | 25 | | 22.04 | | | |
| 10 | QPSK | 50 | 0 | | 22.08 | | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | | 22.79 | | | |
| 10 | 16QAM | 1 | 25 | | 22.65 | | | |
| 10 | 16QAM | 1 | 49 | | 22.60 | | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | | 21.04 | | | |
| 10 | 16QAM | 25 | 12 | | 21.14 | | | |
| 10 | 16QAM | 25 | 25 | | 21.07 | | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | | 21.01 | | | |
| 10 | 64QAM | 1 | 0 | | 21.03 | | | |
| 10 | 64QAM | 1 | 25 | | 21.10 | | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | | 20.98 | | | |
| 10 | 64QAM | 25 | 0 | | 19.80 | | | |
| 10 | 64QAM | 25 | 12 | | 19.87 | | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | | 19.77 | | | |
| 10 | 64QAM | 50 | 0 | | 19.79 | | | |
| 10 | 256QAM | 1 | 0 | | 18.15 | | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | | 18.11 | | | |
| 10 | 256QAM | 1 | 49 | | 18.00 | | | |
| 10 | 256QAM | 25 | 0 | | 18.09 | | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | | 18.15 | | | |
| 10 | 256QAM | 25 | 25 | | 18.04 | | | |
| 10 | 256QAM | 50 | 0 | | 18.08 | | | |
| Channel | | | | 27685 | 27710 | 27735 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | | |
| 5 | QPSK | 1 | 0 | 22.91 | 22.95 | 23.11 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 23.13 | 23.12 | 23.12 | | |
| 5 | QPSK | 1 | 24 | 22.97 | 23.10 | 22.95 | | |
| 5 | QPSK | 12 | 0 | 22.16 | 22.05 | 22.08 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.20 | 22.14 | 22.21 | | |
| 5 | QPSK | 12 | 13 | 22.19 | 22.07 | 22.13 | | |
| 5 | QPSK | 25 | 0 | 22.11 | 22.13 | 22.19 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.20 | 22.12 | 22.12 | | |
| 5 | 16QAM | 1 | 12 | 22.28 | 22.21 | 22.24 | | |
| 5 | 16QAM | 1 | 24 | 22.14 | 22.11 | 22.08 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 21.16 | 21.14 | 21.16 | | |
| 5 | 16QAM | 12 | 7 | 21.30 | 21.15 | 21.19 | | |
| 5 | 16QAM | 12 | 13 | 21.20 | 21.12 | 21.12 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.14 | 21.11 | 21.11 | | |
| 5 | 64QAM | 1 | 0 | 20.91 | 21.00 | 21.05 | | |
| 5 | 64QAM | 1 | 12 | 21.04 | 21.06 | 21.04 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 21.00 | 20.92 | 20.93 | | |
| 5 | 64QAM | 12 | 0 | 19.93 | 19.90 | 19.92 | | |
| 5 | 64QAM | 12 | 7 | 19.99 | 19.92 | 19.95 | 20.8 | 3 |
| 5 | 64QAM | 12 | 13 | 19.92 | 19.87 | 19.92 | | |
| 5 | 64QAM | 25 | 0 | 19.90 | 19.86 | 19.90 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 18.13 | 18.09 | 18.06 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 18.06 | 18.03 | 18.01 | | |
| 5 | 256QAM | 1 | 24 | 17.94 | 17.93 | 18.00 | | |
| 5 | 256QAM | 12 | 0 | 18.00 | 18.00 | 18.06 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 18.14 | 18.09 | 18.10 | | |
| 5 | 256QAM | 12 | 13 | 17.99 | 17.94 | 17.98 | | |
| 5 | 256QAM | 25 | 0 | 18.06 | 18.07 | 18.00 | | |



<LTE Band 66>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 132072 | 132322 | 132572 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | QPSK | 1 | 0 | 22.67 | 23.03 | 22.90 | 23.8 | 0 |
| 20 | QPSK | 1 | 49 | 22.89 | 22.96 | 22.94 | | |
| 20 | QPSK | 1 | 99 | 22.57 | 22.85 | 22.79 | | |
| 20 | QPSK | 50 | 0 | 21.95 | 21.98 | 22.05 | 22.8 | 1 |
| 20 | QPSK | 50 | 24 | 22.08 | 22.18 | 22.16 | | |
| 20 | QPSK | 50 | 50 | 21.93 | 21.94 | 22.03 | | |
| 20 | QPSK | 100 | 0 | 21.97 | 22.10 | 22.09 | 22.8 | 1 |
| 20 | 16QAM | 1 | 0 | 22.05 | 22.02 | 22.38 | | |
| 20 | 16QAM | 1 | 49 | 22.19 | 22.30 | 22.36 | | |
| 20 | 16QAM | 1 | 99 | 21.70 | 21.84 | 22.35 | 21.8 | 2 |
| 20 | 16QAM | 50 | 0 | 20.95 | 21.12 | 21.17 | | |
| 20 | 16QAM | 50 | 24 | 20.93 | 21.09 | 21.26 | | |
| 20 | 16QAM | 50 | 50 | 20.99 | 21.07 | 21.15 | 21.8 | 2 |
| 20 | 16QAM | 100 | 0 | 21.01 | 21.11 | 21.14 | | |
| 20 | 64QAM | 1 | 0 | 20.93 | 21.07 | 21.30 | | |
| 20 | 64QAM | 1 | 49 | 21.20 | 21.34 | 21.25 | 21.8 | 2 |
| 20 | 64QAM | 1 | 99 | 20.89 | 21.07 | 21.14 | | |
| 20 | 64QAM | 50 | 0 | 20.08 | 20.21 | 20.13 | | |
| 20 | 64QAM | 50 | 24 | 20.18 | 20.25 | 20.11 | 20.8 | 3 |
| 20 | 64QAM | 50 | 50 | 20.05 | 20.16 | 20.06 | | |
| 20 | 64QAM | 100 | 0 | 20.09 | 20.21 | 20.11 | | |
| 20 | 256QAM | 1 | 0 | 17.67 | 18.03 | 17.90 | 18.8 | 2 |
| 20 | 256QAM | 1 | 49 | 17.89 | 17.96 | 17.94 | | |
| 20 | 256QAM | 1 | 99 | 17.57 | 17.85 | 17.79 | | |
| 20 | 256QAM | 50 | 0 | 17.95 | 17.98 | 18.05 | 18.8 | 3 |
| 20 | 256QAM | 50 | 24 | 18.08 | 18.09 | 18.06 | | |
| 20 | 256QAM | 50 | 50 | 17.93 | 17.94 | 18.03 | | |
| 20 | 256QAM | 100 | 0 | 17.97 | 18.10 | 18.09 | | |
| Channel | | | | 132047 | 132322 | 132597 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK | 1 | 0 | 22.70 | 22.89 | 23.01 | 23.8 | 0 |
| 15 | QPSK | 1 | 37 | 22.88 | 22.97 | 23.01 | | |
| 15 | QPSK | 1 | 74 | 22.75 | 22.72 | 22.94 | | |
| 15 | QPSK | 36 | 0 | 21.95 | 22.08 | 22.22 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.01 | 22.18 | 22.20 | | |
| 15 | QPSK | 36 | 39 | 21.99 | 21.98 | 22.10 | | |
| 15 | QPSK | 75 | 0 | 21.96 | 22.04 | 22.16 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 21.99 | 22.38 | 22.68 | | |
| 15 | 16QAM | 1 | 37 | 22.37 | 22.56 | 22.62 | | |
| 15 | 16QAM | 1 | 74 | 21.96 | 22.49 | 22.50 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 20.99 | 21.08 | 21.20 | | |
| 15 | 16QAM | 36 | 20 | 21.07 | 21.14 | 21.27 | | |
| 15 | 16QAM | 36 | 39 | 20.95 | 21.01 | 21.13 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 20.94 | 21.15 | 21.22 | | |
| 15 | 64QAM | 1 | 0 | 21.09 | 21.22 | 21.30 | | |
| 15 | 64QAM | 1 | 37 | 21.26 | 21.33 | 21.30 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 21.00 | 21.10 | 21.13 | | |
| 15 | 64QAM | 36 | 0 | 20.13 | 20.29 | 20.17 | | |
| 15 | 64QAM | 36 | 20 | 20.15 | 20.31 | 20.20 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 20.10 | 20.24 | 20.11 | | |
| 15 | 64QAM | 75 | 0 | 20.12 | 20.27 | 20.14 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 17.63 | 18.03 | 17.80 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 17.79 | 17.93 | 17.88 | | |
| 15 | 256QAM | 1 | 74 | 17.47 | 17.76 | 17.70 | | |
| 15 | 256QAM | 36 | 0 | 17.87 | 17.97 | 18.03 | 18.8 | 3 |
| 15 | 256QAM | 36 | 20 | 18.06 | 18.08 | 18.02 | | |
| 15 | 256QAM | 36 | 39 | 17.85 | 17.89 | 18.01 | | |
| 15 | 256QAM | 75 | 0 | 17.94 | 18.03 | 17.99 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 132022 | 132322 | 132622 | | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 22.38 | 22.50 | 22.70 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 22.74 | 22.93 | 22.81 | | |
| 10 | QPSK | 1 | 49 | 22.36 | 22.59 | 22.56 | | |
| 10 | QPSK | 25 | 0 | 21.71 | 21.78 | 21.76 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 21.83 | 21.88 | 21.97 | | |
| 10 | QPSK | 25 | 25 | 21.72 | 21.77 | 21.83 | | |
| 10 | QPSK | 50 | 0 | 21.72 | 21.89 | 21.96 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 21.58 | 21.78 | 21.69 | | |
| 10 | 16QAM | 1 | 25 | 21.83 | 21.84 | 21.91 | | |
| 10 | 16QAM | 1 | 49 | 21.56 | 21.75 | 21.58 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.75 | 20.80 | 20.76 | | |
| 10 | 16QAM | 25 | 12 | 20.85 | 20.95 | 21.02 | | |
| 10 | 16QAM | 25 | 25 | 20.70 | 20.86 | 20.87 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 20.75 | 20.84 | 20.95 | | |
| 10 | 64QAM | 1 | 0 | 20.71 | 20.92 | 20.77 | | |
| 10 | 64QAM | 1 | 25 | 21.09 | 21.20 | 21.05 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 20.81 | 20.95 | 20.86 | | |
| 10 | 64QAM | 25 | 0 | 19.81 | 19.98 | 19.83 | | |
| 10 | 64QAM | 25 | 12 | 19.97 | 20.08 | 19.98 | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | 19.83 | 19.96 | 19.81 | | |
| 10 | 64QAM | 50 | 0 | 19.89 | 20.02 | 19.88 | | |
| 10 | 256QAM | 1 | 0 | 17.58 | 17.99 | 17.74 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 17.75 | 17.88 | 17.84 | | |
| 10 | 256QAM | 1 | 49 | 17.44 | 17.73 | 17.60 | | |
| 10 | 256QAM | 25 | 0 | 17.79 | 17.92 | 18.02 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 18.03 | 17.99 | 17.95 | | |
| 10 | 256QAM | 25 | 25 | 17.75 | 17.84 | 17.93 | | |
| 10 | 256QAM | 50 | 0 | 17.91 | 17.99 | 17.93 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 131997 | 132322 | 132647 | | |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 22.57 | 22.72 | 22.74 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.70 | 22.79 | 22.88 | | |
| 5 | QPSK | 1 | 24 | 22.56 | 22.77 | 22.76 | | |
| 5 | QPSK | 12 | 0 | 21.75 | 21.86 | 21.90 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 21.79 | 21.91 | 22.01 | | |
| 5 | QPSK | 12 | 13 | 21.78 | 21.83 | 21.96 | | |
| 5 | QPSK | 25 | 0 | 21.78 | 21.87 | 21.90 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.14 | 22.05 | 22.08 | | |
| 5 | 16QAM | 1 | 12 | 22.30 | 22.36 | 22.10 | | |
| 5 | 16QAM | 1 | 24 | 22.17 | 22.00 | 21.99 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 20.84 | 20.90 | 20.98 | | |
| 5 | 16QAM | 12 | 7 | 20.86 | 20.94 | 21.02 | | |
| 5 | 16QAM | 12 | 13 | 20.81 | 20.85 | 20.88 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 20.82 | 20.85 | 20.91 | | |
| 5 | 64QAM | 1 | 0 | 21.01 | 21.16 | 21.03 | | |
| 5 | 64QAM | 1 | 12 | 21.06 | 21.18 | 21.02 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.95 | 21.08 | 20.92 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 19.99 | 20.08 | 19.95 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 19.98 | 20.14 | 19.96 | | |
| 5 | 64QAM | 12 | 13 | 19.94 | 20.08 | 19.89 | | |
| 5 | 64QAM | 25 | 0 | 19.93 | 20.02 | 19.90 | | |
| 5 | 256QAM | 1 | 0 | 17.55 | 17.94 | 17.70 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.71 | 17.81 | 17.84 | | |
| 5 | 256QAM | 1 | 24 | 17.40 | 17.64 | 17.54 | | |
| 5 | 256QAM | 12 | 0 | 17.79 | 17.86 | 18.00 | 18.8 | 3 |
| 5 | 256QAM | 12 | 7 | 17.97 | 17.99 | 17.93 | | |
| 5 | 256QAM | 12 | 13 | 17.66 | 17.79 | 17.91 | | |
| 5 | 256QAM | 25 | 0 | 17.82 | 17.90 | 17.92 | | |
| Channel | | | | 131987 | 132322 | 132657 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | |
| 3 | QPSK | 1 | 0 | 22.59 | 22.77 | 22.91 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.74 | 22.78 | 22.93 | | |
| 3 | QPSK | 1 | 14 | 22.61 | 22.82 | 22.69 | | |
| 3 | QPSK | 8 | 0 | 21.79 | 21.80 | 21.95 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 21.79 | 21.92 | 21.92 | | |
| 3 | QPSK | 8 | 7 | 21.76 | 21.86 | 21.95 | | |
| 3 | QPSK | 15 | 0 | 21.84 | 21.89 | 21.88 | | |
| 3 | 16QAM | 1 | 0 | 21.97 | 22.10 | 22.15 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 22.30 | 22.45 | 22.60 | | |
| 3 | 16QAM | 1 | 14 | 21.91 | 21.98 | 22.38 | | |
| 3 | 16QAM | 8 | 0 | 20.86 | 20.96 | 20.93 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 20.92 | 20.97 | 20.99 | | |
| 3 | 16QAM | 8 | 7 | 20.80 | 20.89 | 20.89 | | |
| 3 | 16QAM | 15 | 0 | 20.81 | 20.84 | 20.95 | | |
| 3 | 64QAM | 1 | 0 | 21.04 | 21.18 | 21.04 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.07 | 21.20 | 21.06 | | |
| 3 | 64QAM | 1 | 14 | 21.00 | 21.15 | 21.00 | | |
| 3 | 64QAM | 8 | 0 | 20.00 | 20.07 | 19.91 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 20.04 | 20.13 | 19.90 | | |
| 3 | 64QAM | 8 | 7 | 19.92 | 20.08 | 19.88 | | |
| 3 | 64QAM | 15 | 0 | 19.95 | 20.07 | 19.88 | | |
| 3 | 256QAM | 1 | 0 | 17.52 | 17.88 | 17.70 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.62 | 17.74 | 17.75 | | |
| 3 | 256QAM | 1 | 14 | 17.38 | 17.57 | 17.45 | | |
| 3 | 256QAM | 8 | 0 | 17.71 | 17.86 | 18.00 | 18.8 | 3 |
| 3 | 256QAM | 8 | 4 | 17.93 | 17.99 | 17.87 | | |
| 3 | 256QAM | 8 | 7 | 17.64 | 17.74 | 17.83 | | |
| 3 | 256QAM | 15 | 0 | 17.72 | 17.89 | 17.86 | | |
| Channel | | | | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.59 | 22.76 | 22.77 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.70 | 22.89 | 22.88 | | |
| 1.4 | QPSK | 1 | 5 | 22.62 | 22.78 | 22.81 | | |
| 1.4 | QPSK | 3 | 0 | 22.59 | 22.75 | 22.77 | | |
| 1.4 | QPSK | 3 | 1 | 22.64 | 22.79 | 22.83 | | |
| 1.4 | QPSK | 3 | 3 | 22.62 | 22.80 | 22.81 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.93 | 22.19 | 22.11 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.15 | 22.11 | 22.26 | | |
| 1.4 | 16QAM | 1 | 5 | 22.06 | 22.04 | 22.02 | | |
| 1.4 | 16QAM | 3 | 0 | 21.72 | 21.98 | 21.93 | | |
| 1.4 | 16QAM | 3 | 1 | 21.74 | 22.01 | 22.02 | | |
| 1.4 | 16QAM | 3 | 3 | 21.62 | 21.96 | 21.96 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 20.88 | 20.97 | 20.94 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.97 | 21.19 | 20.98 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 21.07 | 21.20 | 21.01 | | |
| 1.4 | 64QAM | 1 | 5 | 20.95 | 21.07 | 20.94 | | |
| 1.4 | 64QAM | 3 | 0 | 20.92 | 21.15 | 20.94 | | |
| 1.4 | 64QAM | 3 | 1 | 20.98 | 21.17 | 20.93 | | |
| 1.4 | 64QAM | 3 | 3 | 20.93 | 21.11 | 20.96 | | |
| 1.4 | 64QAM | 6 | 0 | 19.81 | 19.98 | 19.75 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.44 | 17.79 | 17.66 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.61 | 17.72 | 17.74 | | |
| 1.4 | 256QAM | 1 | 5 | 17.33 | 17.52 | 17.43 | | |
| 1.4 | 256QAM | 3 | 0 | 17.65 | 17.81 | 17.96 | | |
| 1.4 | 256QAM | 3 | 1 | 17.89 | 17.89 | 17.77 | | |
| 1.4 | 256QAM | 3 | 3 | 17.61 | 17.69 | 17.74 | | |
| 1.4 | 256QAM | 6 | 0 | 17.70 | 17.86 | 17.85 | 18.8 | 0 |



<LTE Band 71>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 133222 | 133322 | 133372 | | |
| Frequency (MHz) | | | | 673 | 683 | 688 | | |
| 20 | QPSK | 1 | 0 | 23.58 | 23.65 | 23.62 | 23.8 | 0 |
| 20 | QPSK | 1 | 49 | 23.55 | 23.62 | 23.55 | | |
| 20 | QPSK | 1 | 99 | 23.42 | 23.45 | 23.47 | | |
| 20 | QPSK | 50 | 0 | 22.53 | 22.66 | 22.61 | 22.8 | 1 |
| 20 | QPSK | 50 | 24 | 22.51 | 22.69 | 22.53 | | |
| 20 | QPSK | 50 | 50 | 22.46 | 22.55 | 22.48 | | |
| 20 | QPSK | 100 | 0 | 22.43 | 22.49 | 22.46 | 22.8 | 1 |
| 20 | 16QAM | 1 | 0 | 22.65 | 22.67 | 22.52 | | |
| 20 | 16QAM | 1 | 49 | 22.56 | 22.61 | 22.57 | | |
| 20 | 16QAM | 1 | 99 | 22.47 | 22.52 | 22.44 | 21.8 | 2 |
| 20 | 16QAM | 50 | 0 | 21.59 | 21.66 | 21.53 | | |
| 20 | 16QAM | 50 | 24 | 21.48 | 21.59 | 21.50 | | |
| 20 | 16QAM | 50 | 50 | 21.46 | 21.53 | 21.56 | 21.8 | 2 |
| 20 | 16QAM | 100 | 0 | 21.38 | 21.40 | 21.44 | | |
| 20 | 64QAM | 1 | 0 | 21.59 | 21.73 | 21.71 | | |
| 20 | 64QAM | 1 | 49 | 21.62 | 21.66 | 21.63 | 21.8 | 2 |
| 20 | 64QAM | 1 | 99 | 21.68 | 21.62 | 21.61 | | |
| 20 | 64QAM | 50 | 0 | 20.48 | 20.60 | 20.57 | | |
| 20 | 64QAM | 50 | 24 | 20.57 | 20.65 | 20.54 | 20.8 | 3 |
| 20 | 64QAM | 50 | 50 | 20.60 | 20.57 | 20.43 | | |
| 20 | 64QAM | 100 | 0 | 20.46 | 20.46 | 20.50 | | |
| 20 | 256QAM | 1 | 0 | 18.58 | 18.55 | 18.52 | 18.8 | 2 |
| 20 | 256QAM | 1 | 49 | 18.55 | 18.52 | 18.55 | | |
| 20 | 256QAM | 1 | 99 | 18.42 | 18.45 | 18.47 | | |
| 20 | 256QAM | 50 | 0 | 18.53 | 18.56 | 18.51 | 18.8 | 3 |
| 20 | 256QAM | 50 | 24 | 18.51 | 18.60 | 18.53 | | |
| 20 | 256QAM | 50 | 50 | 18.46 | 18.55 | 18.48 | | |
| 20 | 256QAM | 100 | 0 | 18.43 | 18.49 | 18.46 | | |
| Channel | | | | 133197 | 133297 | 133397 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 670.5 | 680.5 | 690.5 | | |
| 15 | QPSK | 1 | 0 | 23.55 | 23.61 | 23.59 | 23.8 | 0 |
| 15 | QPSK | 1 | 37 | 23.51 | 23.56 | 23.53 | | |
| 15 | QPSK | 1 | 74 | 23.44 | 23.40 | 23.33 | | |
| 15 | QPSK | 36 | 0 | 22.64 | 22.69 | 22.71 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.56 | 22.60 | 22.63 | | |
| 15 | QPSK | 36 | 39 | 22.52 | 22.57 | 22.49 | | |
| 15 | QPSK | 75 | 0 | 22.52 | 22.54 | 22.45 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.77 | 22.73 | 22.65 | | |
| 15 | 16QAM | 1 | 37 | 22.73 | 22.60 | 22.78 | | |
| 15 | 16QAM | 1 | 74 | 22.54 | 22.77 | 22.67 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 21.78 | 21.71 | 21.77 | | |
| 15 | 16QAM | 36 | 20 | 21.59 | 21.68 | 21.56 | | |
| 15 | 16QAM | 36 | 39 | 21.56 | 21.62 | 21.52 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.44 | 21.58 | 21.49 | | |
| 15 | 64QAM | 1 | 0 | 21.70 | 21.66 | 21.80 | | |
| 15 | 64QAM | 1 | 37 | 21.68 | 21.62 | 21.67 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 21.57 | 21.57 | 21.62 | | |
| 15 | 64QAM | 36 | 0 | 20.41 | 20.58 | 20.55 | | |
| 15 | 64QAM | 36 | 20 | 20.56 | 20.61 | 20.54 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 20.48 | 20.55 | 20.55 | | |
| 15 | 64QAM | 75 | 0 | 20.53 | 20.41 | 20.49 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 18.52 | 18.46 | 18.42 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 18.54 | 18.45 | 18.55 | | |
| 15 | 256QAM | 1 | 74 | 18.33 | 18.36 | 18.45 | | |
| 15 | 256QAM | 36 | 0 | 18.49 | 18.51 | 18.50 | 18.8 | 3 |
| 15 | 256QAM | 36 | 20 | 18.51 | 18.52 | 18.43 | | |
| 15 | 256QAM | 36 | 39 | 18.37 | 18.45 | 18.48 | | |
| 15 | 256QAM | 75 | 0 | 18.38 | 18.39 | 18.44 | | |
| Channel | | | | 133172 | 133272 | 133422 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 668 | 678 | 693 | | |
| 10 | QPSK | 1 | 0 | 23.44 | 23.49 | 23.50 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 23.35 | 23.37 | 23.45 | | |
| 10 | QPSK | 1 | 49 | 23.29 | 23.21 | 23.32 | | |
| 10 | QPSK | 25 | 0 | 22.42 | 22.40 | 22.44 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 22.46 | 22.51 | 22.56 | | |
| 10 | QPSK | 25 | 25 | 22.50 | 22.46 | 22.45 | | |
| 10 | QPSK | 50 | 0 | 22.34 | 22.43 | 22.39 | | |
| 10 | 16QAM | 1 | 0 | 22.64 | 22.71 | 22.57 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.59 | 22.56 | 22.62 | | |
| 10 | 16QAM | 1 | 49 | 22.73 | 22.52 | 22.53 | | |
| 10 | 16QAM | 25 | 0 | 21.30 | 21.54 | 21.44 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 21.38 | 21.47 | 21.50 | | |
| 10 | 16QAM | 25 | 25 | 21.40 | 21.43 | 21.40 | | |
| 10 | 16QAM | 50 | 0 | 21.25 | 21.36 | 21.44 | | |
| 10 | 64QAM | 1 | 0 | 21.45 | 21.55 | 21.63 | 21.8 | 2 |
| 10 | 64QAM | 1 | 25 | 21.56 | 21.45 | 21.52 | | |
| 10 | 64QAM | 1 | 49 | 21.60 | 21.51 | 21.44 | | |
| 10 | 64QAM | 25 | 0 | 20.27 | 20.26 | 20.41 | 20.8 | 3 |
| 10 | 64QAM | 25 | 12 | 20.48 | 20.45 | 20.34 | | |
| 10 | 64QAM | 25 | 25 | 20.31 | 20.35 | 20.40 | | |
| 10 | 64QAM | 50 | 0 | 20.32 | 20.35 | 20.33 | | |
| 10 | 256QAM | 1 | 0 | 18.44 | 18.38 | 18.40 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 18.52 | 18.35 | 18.53 | | |
| 10 | 256QAM | 1 | 49 | 18.27 | 18.32 | 18.40 | | |
| 10 | 256QAM | 25 | 0 | 18.46 | 18.41 | 18.46 | 18.8 | 3 |
| 10 | 256QAM | 25 | 12 | 18.42 | 18.52 | 18.35 | | |
| 10 | 256QAM | 25 | 25 | 18.34 | 18.38 | 18.39 | | |
| 10 | 256QAM | 50 | 0 | 18.30 | 18.39 | 18.40 | | |
| Channel | | | | 133147 | 133247 | 133447 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 665.5 | 675.5 | 695.5 | | |
| 5 | QPSK | 1 | 0 | 23.45 | 23.50 | 23.53 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 23.43 | 23.40 | 23.43 | | |
| 5 | QPSK | 1 | 24 | 23.29 | 23.39 | 23.40 | | |
| 5 | QPSK | 12 | 0 | 22.56 | 22.43 | 22.45 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.41 | 22.39 | 22.34 | | |
| 5 | QPSK | 12 | 13 | 22.50 | 22.48 | 22.43 | | |
| 5 | QPSK | 25 | 0 | 22.39 | 22.43 | 22.39 | | |
| 5 | 16QAM | 1 | 0 | 22.52 | 22.49 | 22.51 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 22.53 | 22.43 | 22.39 | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.46 | 22.33 | | |
| 5 | 16QAM | 12 | 0 | 21.44 | 21.37 | 21.42 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 21.50 | 21.48 | 21.43 | | |
| 5 | 16QAM | 12 | 13 | 21.39 | 21.43 | 21.39 | | |
| 5 | 16QAM | 25 | 0 | 21.34 | 21.44 | 21.29 | | |
| 5 | 64QAM | 1 | 0 | 21.40 | 21.27 | 21.31 | 21.8 | 2 |
| 5 | 64QAM | 1 | 12 | 21.44 | 21.47 | 21.37 | | |
| 5 | 64QAM | 1 | 24 | 21.48 | 21.52 | 21.44 | | |



| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 20.31 | 20.34 | 20.25 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 20.36 | 20.43 | 20.40 | | |
| 5 | 64QAM | 12 | 13 | 20.38 | 20.41 | 20.34 | | |
| 5 | 64QAM | 25 | 0 | 20.41 | 20.43 | 20.23 | 18.8 | 2 |
| 5 | 256QAM | 1 | 0 | 18.40 | 18.36 | 18.37 | | |
| 5 | 256QAM | 1 | 12 | 18.46 | 18.34 | 18.53 | | |
| 5 | 256QAM | 1 | 24 | 18.27 | 18.29 | 18.30 | 18.8 | 3 |
| 5 | 256QAM | 12 | 0 | 18.39 | 18.37 | 18.38 | | |
| 5 | 256QAM | 12 | 7 | 18.39 | 18.49 | 18.30 | | |
| 5 | 256QAM | 12 | 13 | 18.34 | 18.29 | 18.37 | | |
| 5 | 256QAM | 25 | 0 | 18.30 | 18.39 | 18.40 | | |



UAT Reduced Power Mode for Next-to-Head

<LTE Band 2>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 12.73 | 12.87 | 12.74 | 13.5 | 0 |
| 20 | QPSK | 1 | 49 | 12.61 | 12.81 | 12.76 | | |
| 20 | QPSK | 1 | 99 | 12.49 | 12.67 | 12.58 | | |
| 20 | QPSK | 50 | 0 | 12.71 | 12.78 | 12.73 | 13.5 | 0 |
| 20 | QPSK | 50 | 24 | 12.82 | 12.83 | 12.77 | | |
| 20 | QPSK | 50 | 50 | 12.75 | 12.84 | 12.81 | | |
| 20 | QPSK | 100 | 0 | 12.64 | 12.73 | 12.69 | 13.5 | 0 |
| 20 | 16QAM | 1 | 0 | 12.73 | 12.80 | 12.80 | | |
| 20 | 16QAM | 1 | 49 | 12.73 | 12.84 | 12.85 | | |
| 20 | 16QAM | 1 | 99 | 12.60 | 12.77 | 12.73 | 13.5 | 0 |
| 20 | 16QAM | 50 | 0 | 12.71 | 12.83 | 12.80 | | |
| 20 | 16QAM | 50 | 24 | 12.84 | 12.81 | 12.79 | | |
| 20 | 16QAM | 50 | 50 | 12.85 | 12.86 | 12.84 | 13.5 | 0 |
| 20 | 16QAM | 100 | 0 | 12.80 | 12.79 | 12.84 | | |
| 20 | 64QAM | 1 | 0 | 12.63 | 12.73 | 12.65 | | |
| 20 | 64QAM | 1 | 49 | 12.58 | 12.79 | 12.66 | 13.5 | 0 |
| 20 | 64QAM | 1 | 99 | 12.48 | 12.69 | 12.59 | | |
| 20 | 64QAM | 50 | 0 | 12.34 | 12.56 | 12.51 | | |
| 20 | 64QAM | 50 | 24 | 12.50 | 12.62 | 12.68 | 13.5 | 0 |
| 20 | 64QAM | 50 | 50 | 12.46 | 12.67 | 12.58 | | |
| 20 | 64QAM | 100 | 0 | 12.44 | 12.57 | 12.58 | | |
| 20 | 256QAM | 1 | 0 | 12.64 | 12.85 | 12.64 | 13.5 | 0 |
| 20 | 256QAM | 1 | 49 | 12.66 | 12.78 | 12.71 | | |
| 20 | 256QAM | 1 | 99 | 12.70 | 12.77 | 12.64 | | |
| 20 | 256QAM | 50 | 0 | 12.69 | 12.77 | 12.66 | 13.5 | 0 |
| 20 | 256QAM | 50 | 24 | 12.68 | 12.82 | 12.66 | | |
| 20 | 256QAM | 50 | 50 | 12.65 | 12.80 | 12.64 | | |
| 20 | 256QAM | 100 | 0 | 12.68 | 12.77 | 12.69 | | |
| Channel | | | | 18675 | 18900 | 19125 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 12.32 | 12.56 | 12.60 | 13.5 | 0 |
| 15 | QPSK | 1 | 37 | 12.41 | 12.53 | 12.56 | | |
| 15 | QPSK | 1 | 74 | 12.26 | 12.58 | 12.57 | | |
| 15 | QPSK | 36 | 0 | 12.43 | 12.55 | 12.57 | 13.5 | 0 |
| 15 | QPSK | 36 | 20 | 12.56 | 12.65 | 12.64 | | |
| 15 | QPSK | 36 | 39 | 12.54 | 12.69 | 12.70 | | |
| 15 | QPSK | 75 | 0 | 12.51 | 12.59 | 12.58 | 13.5 | 0 |
| 15 | 16QAM | 1 | 0 | 12.51 | 12.76 | 12.77 | | |
| 15 | 16QAM | 1 | 37 | 12.66 | 12.81 | 12.78 | | |
| 15 | 16QAM | 1 | 74 | 12.60 | 12.79 | 12.72 | 13.5 | 0 |
| 15 | 16QAM | 36 | 0 | 12.28 | 12.43 | 12.41 | | |
| 15 | 16QAM | 36 | 20 | 12.43 | 12.48 | 12.50 | | |
| 15 | 16QAM | 36 | 39 | 12.42 | 12.55 | 12.52 | 13.5 | 0 |
| 15 | 16QAM | 75 | 0 | 12.42 | 12.45 | 12.46 | | |
| 15 | 64QAM | 1 | 0 | 12.35 | 12.71 | 12.69 | | |
| 15 | 64QAM | 1 | 37 | 12.55 | 12.66 | 12.58 | 13.5 | 0 |
| 15 | 64QAM | 1 | 74 | 12.50 | 12.67 | 12.56 | | |
| 15 | 64QAM | 36 | 0 | 12.31 | 12.43 | 12.42 | | |
| 15 | 64QAM | 36 | 20 | 12.44 | 12.47 | 12.50 | 13.5 | 0 |
| 15 | 64QAM | 36 | 39 | 12.42 | 12.55 | 12.53 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 64QAM | 75 | 0 | 12.41 | 12.46 | 12.46 | | |
| 15 | 256QAM | 1 | 0 | 12.28 | 12.55 | 12.54 | 13.5 | 0 |
| 15 | 256QAM | 1 | 37 | 12.28 | 12.53 | 12.59 | | |
| 15 | 256QAM | 1 | 74 | 12.28 | 12.47 | 12.54 | | |
| 15 | 256QAM | 36 | 0 | 12.28 | 12.52 | 12.54 | 13.5 | 0 |
| 15 | 256QAM | 36 | 20 | 12.29 | 12.56 | 12.51 | | |
| 15 | 256QAM | 36 | 39 | 12.29 | 12.52 | 12.50 | | |
| 15 | 256QAM | 75 | 0 | 12.27 | 12.56 | 12.55 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 11.97 | 12.12 | 12.43 | 13.5 | 0 |
| 10 | QPSK | 1 | 25 | 12.25 | 12.41 | 12.37 | | |
| 10 | QPSK | 1 | 49 | 11.95 | 12.11 | 12.45 | | |
| 10 | QPSK | 25 | 0 | 12.19 | 12.32 | 12.37 | 13.5 | 0 |
| 10 | QPSK | 25 | 12 | 12.39 | 12.45 | 12.48 | | |
| 10 | QPSK | 25 | 25 | 12.25 | 12.43 | 12.43 | | |
| 10 | QPSK | 50 | 0 | 12.30 | 12.35 | 12.44 | | |
| 10 | 16QAM | 1 | 0 | 12.19 | 12.36 | 12.68 | 13.5 | 0 |
| 10 | 16QAM | 1 | 25 | 12.51 | 12.64 | 12.63 | | |
| 10 | 16QAM | 1 | 49 | 12.26 | 12.40 | 12.62 | | |
| 10 | 16QAM | 25 | 0 | 12.09 | 12.25 | 12.21 | 13.5 | 0 |
| 10 | 16QAM | 25 | 12 | 12.31 | 12.32 | 12.44 | | |
| 10 | 16QAM | 25 | 25 | 12.17 | 12.31 | 12.31 | | |
| 10 | 16QAM | 50 | 0 | 12.20 | 12.27 | 12.28 | | |
| 10 | 64QAM | 1 | 0 | 12.13 | 12.31 | 12.66 | 13.5 | 0 |
| 10 | 64QAM | 1 | 25 | 12.52 | 12.70 | 12.59 | | |
| 10 | 64QAM | 1 | 49 | 12.27 | 12.37 | 12.60 | | |
| 10 | 64QAM | 25 | 0 | 12.13 | 12.27 | 12.25 | 13.5 | 0 |
| 10 | 64QAM | 25 | 12 | 12.29 | 12.37 | 12.43 | | |
| 10 | 64QAM | 25 | 25 | 12.15 | 12.30 | 12.29 | | |
| 10 | 64QAM | 50 | 0 | 12.16 | 12.23 | 12.29 | | |
| 10 | 256QAM | 1 | 0 | 11.90 | 12.02 | 12.43 | 13.5 | 0 |
| 10 | 256QAM | 1 | 25 | 11.93 | 12.03 | 12.37 | | |
| 10 | 256QAM | 1 | 49 | 11.95 | 12.10 | 12.43 | | |
| 10 | 256QAM | 25 | 0 | 11.90 | 12.09 | 12.39 | 13.5 | 0 |
| 10 | 256QAM | 25 | 12 | 11.91 | 12.04 | 12.42 | | |
| 10 | 256QAM | 25 | 25 | 11.87 | 12.11 | 12.41 | | |
| 10 | 256QAM | 50 | 0 | 11.95 | 12.10 | 12.36 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 12.20 | 12.30 | 12.30 | 13.5 | 0 |
| 5 | QPSK | 1 | 12 | 12.28 | 12.47 | 12.43 | | |
| 5 | QPSK | 1 | 24 | 12.18 | 12.35 | 12.32 | | |
| 5 | QPSK | 12 | 0 | 12.34 | 12.45 | 12.42 | 13.5 | 0 |
| 5 | QPSK | 12 | 7 | 12.39 | 12.48 | 12.50 | | |
| 5 | QPSK | 12 | 13 | 12.33 | 12.51 | 12.50 | | |
| 5 | QPSK | 25 | 0 | 12.35 | 12.45 | 12.42 | | |
| 5 | 16QAM | 1 | 0 | 12.47 | 12.57 | 12.56 | 13.5 | 0 |
| 5 | 16QAM | 1 | 12 | 12.56 | 12.64 | 12.68 | | |
| 5 | 16QAM | 1 | 24 | 12.44 | 12.56 | 12.57 | | |
| 5 | 16QAM | 12 | 0 | 12.35 | 12.43 | 12.38 | 13.5 | 0 |
| 5 | 16QAM | 12 | 7 | 12.36 | 12.39 | 12.40 | | |
| 5 | 16QAM | 12 | 13 | 12.24 | 12.37 | 12.35 | | |
| 5 | 16QAM | 25 | 0 | 12.29 | 12.37 | 12.31 | | |
| 5 | 64QAM | 1 | 0 | 12.40 | 12.44 | 12.43 | 13.5 | 0 |
| 5 | 64QAM | 1 | 12 | 12.47 | 12.57 | 12.55 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 1 | 24 | 12.32 | 12.43 | 12.40 | | |
| 5 | 64QAM | 12 | 0 | 12.29 | 12.38 | 12.35 | 13.5 | 0 |
| 5 | 64QAM | 12 | 7 | 12.28 | 12.38 | 12.35 | | |
| 5 | 64QAM | 12 | 13 | 12.22 | 12.32 | 12.32 | | |
| 5 | 64QAM | 25 | 0 | 12.29 | 12.38 | 12.31 | | |
| 5 | 256QAM | 1 | 0 | 12.16 | 12.27 | 12.20 | 13.5 | 0 |
| 5 | 256QAM | 1 | 12 | 12.15 | 12.25 | 12.22 | | |
| 5 | 256QAM | 1 | 24 | 12.20 | 12.25 | 12.29 | | |
| 5 | 256QAM | 12 | 0 | 12.16 | 12.25 | 12.20 | 13.5 | 0 |
| 5 | 256QAM | 12 | 7 | 12.12 | 12.29 | 12.23 | | |
| 5 | 256QAM | 12 | 13 | 12.11 | 12.26 | 12.28 | | |
| 5 | 256QAM | 25 | 0 | 12.16 | 12.30 | 12.27 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 12.25 | 12.35 | 12.37 | 13.5 | 0 |
| 3 | QPSK | 1 | 8 | 12.36 | 12.53 | 12.49 | | |
| 3 | QPSK | 1 | 14 | 12.24 | 12.40 | 12.38 | | |
| 3 | QPSK | 8 | 0 | 12.36 | 12.47 | 12.48 | 13.5 | 0 |
| 3 | QPSK | 8 | 4 | 12.40 | 12.50 | 12.54 | | |
| 3 | QPSK | 8 | 7 | 12.32 | 12.51 | 12.51 | | |
| 3 | QPSK | 15 | 0 | 12.34 | 12.47 | 12.49 | | |
| 3 | 16QAM | 1 | 0 | 12.55 | 12.59 | 12.65 | 13.5 | 0 |
| 3 | 16QAM | 1 | 8 | 12.57 | 12.76 | 12.73 | | |
| 3 | 16QAM | 1 | 14 | 12.47 | 12.61 | 12.57 | | |
| 3 | 16QAM | 8 | 0 | 12.35 | 12.43 | 12.46 | 13.5 | 0 |
| 3 | 16QAM | 8 | 4 | 12.37 | 12.44 | 12.49 | | |
| 3 | 16QAM | 8 | 7 | 12.29 | 12.44 | 12.39 | | |
| 3 | 16QAM | 15 | 0 | 12.29 | 12.37 | 12.39 | | |
| 3 | 64QAM | 1 | 0 | 12.44 | 12.52 | 12.51 | 13.5 | 0 |
| 3 | 64QAM | 1 | 8 | 12.50 | 12.60 | 12.62 | | |
| 3 | 64QAM | 1 | 14 | 12.34 | 12.47 | 12.45 | | |
| 3 | 64QAM | 8 | 0 | 12.31 | 12.40 | 12.40 | 13.5 | 0 |
| 3 | 64QAM | 8 | 4 | 12.32 | 12.38 | 12.43 | | |
| 3 | 64QAM | 8 | 7 | 12.26 | 12.38 | 12.34 | | |
| 3 | 64QAM | 15 | 0 | 12.26 | 12.36 | 12.37 | | |
| 3 | 256QAM | 1 | 0 | 12.24 | 12.32 | 12.29 | 13.5 | 0 |
| 3 | 256QAM | 1 | 8 | 12.15 | 12.33 | 12.30 | | |
| 3 | 256QAM | 1 | 14 | 12.19 | 12.31 | 12.34 | | |
| 3 | 256QAM | 8 | 0 | 12.18 | 12.31 | 12.32 | 13.5 | 0 |
| 3 | 256QAM | 8 | 4 | 12.19 | 12.33 | 12.28 | | |
| 3 | 256QAM | 8 | 7 | 12.25 | 12.34 | 12.28 | | |
| 3 | 256QAM | 15 | 0 | 12.16 | 12.31 | 12.37 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 12.20 | 12.38 | 12.33 | 13.5 | 0 |
| 1.4 | QPSK | 1 | 3 | 12.28 | 12.45 | 12.41 | | |
| 1.4 | QPSK | 1 | 5 | 12.20 | 12.36 | 12.33 | | |
| 1.4 | QPSK | 3 | 0 | 12.26 | 12.41 | 12.36 | | |
| 1.4 | QPSK | 3 | 1 | 12.26 | 12.44 | 12.40 | | |
| 1.4 | QPSK | 3 | 3 | 12.23 | 12.39 | 12.36 | 13.5 | 0 |
| 1.4 | QPSK | 6 | 0 | 12.32 | 12.47 | 12.43 | 13.5 | 0 |
| 1.4 | 16QAM | 1 | 0 | 12.51 | 12.60 | 12.57 | | |
| 1.4 | 16QAM | 1 | 3 | 12.47 | 12.67 | 12.59 | | |
| 1.4 | 16QAM | 1 | 5 | 12.45 | 12.54 | 12.50 | | |
| 1.4 | 16QAM | 3 | 0 | 12.25 | 12.41 | 12.32 | | |
| 1.4 | 16QAM | 3 | 1 | 12.32 | 12.42 | 12.36 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 3 | 3 | 12.21 | 12.31 | 12.28 | | |
| 1.4 | 16QAM | 6 | 0 | 12.27 | 12.42 | 12.35 | 13.5 | 0 |
| 1.4 | 64QAM | 1 | 0 | 12.38 | 12.50 | 12.49 | 13.5 | 0 |
| 1.4 | 64QAM | 1 | 3 | 12.45 | 12.54 | 12.55 | | |
| 1.4 | 64QAM | 1 | 5 | 12.40 | 12.51 | 12.43 | | |
| 1.4 | 64QAM | 3 | 0 | 12.38 | 12.51 | 12.44 | | |
| 1.4 | 64QAM | 3 | 1 | 12.42 | 12.53 | 12.46 | | |
| 1.4 | 64QAM | 3 | 3 | 12.36 | 12.45 | 12.39 | | |
| 1.4 | 64QAM | 6 | 0 | 12.27 | 12.37 | 12.31 | 13.5 | 0 |
| 1.4 | 256QAM | 1 | 0 | 12.10 | 12.33 | 12.26 | 13.5 | 0 |
| 1.4 | 256QAM | 1 | 3 | 12.16 | 12.28 | 12.29 | | |
| 1.4 | 256QAM | 1 | 5 | 12.18 | 12.30 | 12.30 | | |
| 1.4 | 256QAM | 3 | 0 | 12.20 | 12.38 | 12.29 | | |
| 1.4 | 256QAM | 3 | 1 | 12.16 | 12.31 | 12.32 | | |
| 1.4 | 256QAM | 3 | 3 | 12.20 | 12.37 | 12.24 | | |
| 1.4 | 256QAM | 6 | 0 | 12.19 | 12.32 | 12.26 | 13.5 | 0 |



<LTE Band 4>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20050 | 20175 | 20300 | 13 | 0 |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 11.64 | 11.89 | 11.79 | | |
| 20 | QPSK | 1 | 49 | 11.72 | 11.87 | 11.65 | 13 | 0 |
| 20 | QPSK | 1 | 99 | 11.80 | 11.71 | 11.78 | | |
| 20 | QPSK | 50 | 0 | 11.64 | 11.72 | 11.76 | | |
| 20 | QPSK | 50 | 24 | 11.58 | 11.81 | 11.71 | 13 | 0 |
| 20 | QPSK | 50 | 50 | 11.76 | 11.76 | 11.73 | | |
| 20 | QPSK | 100 | 0 | 11.71 | 11.76 | 11.61 | | |
| 20 | 16QAM | 1 | 0 | 11.64 | 11.70 | 11.74 | 13 | 0 |
| 20 | 16QAM | 1 | 49 | 11.76 | 11.80 | 11.77 | | |
| 20 | 16QAM | 1 | 99 | 11.74 | 11.77 | 11.84 | | |
| 20 | 16QAM | 50 | 0 | 11.72 | 11.77 | 11.82 | 13 | 0 |
| 20 | 16QAM | 50 | 24 | 11.70 | 11.75 | 11.75 | | |
| 20 | 16QAM | 50 | 50 | 11.80 | 11.71 | 11.71 | | |
| 20 | 16QAM | 100 | 0 | 11.73 | 11.71 | 11.74 | 13 | 0 |
| 20 | 64QAM | 1 | 0 | 11.63 | 11.70 | 11.70 | | |
| 20 | 64QAM | 1 | 49 | 11.81 | 11.87 | 11.86 | | |
| 20 | 64QAM | 1 | 99 | 11.64 | 11.75 | 11.70 | 13 | 0 |
| 20 | 64QAM | 50 | 0 | 11.63 | 11.81 | 11.83 | | |
| 20 | 64QAM | 50 | 24 | 11.78 | 11.87 | 11.87 | | |
| 20 | 64QAM | 50 | 50 | 11.69 | 11.83 | 11.86 | 13 | 0 |
| 20 | 64QAM | 100 | 0 | 11.67 | 11.79 | 11.88 | | |
| 20 | 256QAM | 1 | 0 | 11.58 | 11.76 | 11.78 | | |
| 20 | 256QAM | 1 | 49 | 11.61 | 11.75 | 11.77 | 13 | 0 |
| 20 | 256QAM | 1 | 99 | 11.54 | 11.71 | 11.75 | | |
| 20 | 256QAM | 50 | 0 | 11.55 | 11.79 | 11.69 | | |
| 20 | 256QAM | 50 | 24 | 11.54 | 11.73 | 11.75 | 13 | 0 |
| 20 | 256QAM | 50 | 50 | 11.57 | 11.76 | 11.78 | | |
| 20 | 256QAM | 100 | 0 | 11.55 | 11.78 | 11.75 | | |
| Channel | | | | 20025 | 20175 | 20325 | 13 | 0 |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | |
| 15 | QPSK | 1 | 0 | 11.54 | 11.69 | 11.76 | | |
| 15 | QPSK | 1 | 37 | 11.63 | 11.79 | 11.81 | 13 | 0 |
| 15 | QPSK | 1 | 74 | 11.46 | 11.61 | 11.63 | | |
| 15 | QPSK | 36 | 0 | 11.46 | 11.62 | 11.66 | | |
| 15 | QPSK | 36 | 20 | 11.59 | 11.68 | 11.78 | 13 | 0 |
| 15 | QPSK | 36 | 39 | 11.55 | 11.69 | 11.72 | | |
| 15 | QPSK | 75 | 0 | 11.56 | 11.62 | 11.67 | | |
| 15 | 16QAM | 1 | 0 | 11.67 | 11.84 | 11.80 | 13 | 0 |
| 15 | 16QAM | 1 | 37 | 11.60 | 11.71 | 11.78 | | |
| 15 | 16QAM | 1 | 74 | 11.60 | 11.72 | 11.78 | | |
| 15 | 16QAM | 36 | 0 | 11.46 | 11.64 | 11.68 | 13 | 0 |
| 15 | 16QAM | 36 | 20 | 11.61 | 11.64 | 11.80 | | |
| 15 | 16QAM | 36 | 39 | 11.54 | 11.71 | 11.72 | | |
| 15 | 16QAM | 75 | 0 | 11.56 | 11.63 | 11.65 | 13 | 0 |
| 15 | 64QAM | 1 | 0 | 11.55 | 11.77 | 11.77 | | |
| 15 | 64QAM | 1 | 37 | 11.62 | 11.77 | 11.81 | | |
| 15 | 64QAM | 1 | 74 | 11.64 | 11.76 | 11.83 | 13 | 0 |
| 15 | 64QAM | 36 | 0 | 11.55 | 11.75 | 11.81 | | |
| 15 | 64QAM | 36 | 20 | 11.69 | 11.78 | 11.87 | | |
| 15 | 64QAM | 36 | 39 | 11.69 | 11.81 | 11.87 | 13 | 0 |
| 15 | 64QAM | 75 | 0 | 11.61 | 11.74 | 11.78 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 11.54 | 11.66 | 11.73 | 13 | 0 |
| 15 | 256QAM | 1 | 37 | 11.51 | 11.68 | 11.74 | | |
| 15 | 256QAM | 1 | 74 | 11.52 | 11.67 | 11.76 | | |
| 15 | 256QAM | 36 | 0 | 11.48 | 11.67 | 11.74 | 13 | 0 |
| 15 | 256QAM | 36 | 20 | 11.48 | 11.60 | 11.76 | | |
| 15 | 256QAM | 36 | 39 | 11.44 | 11.69 | 11.66 | | |
| 15 | 256QAM | 75 | 0 | 11.52 | 11.64 | 11.75 | | |
| Channel | | | | 20000 | 20175 | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 11.67 | 11.88 | 11.80 | 13 | 0 |
| 10 | QPSK | 1 | 25 | 11.72 | 11.78 | 11.73 | | |
| 10 | QPSK | 1 | 49 | 11.65 | 11.83 | 11.83 | | |
| 10 | QPSK | 25 | 0 | 11.66 | 11.53 | 11.62 | 13 | 0 |
| 10 | QPSK | 25 | 12 | 11.67 | 11.75 | 11.80 | | |
| 10 | QPSK | 25 | 25 | 11.57 | 11.74 | 11.76 | | |
| 10 | QPSK | 50 | 0 | 11.58 | 11.67 | 11.71 | | |
| 10 | 16QAM | 1 | 0 | 11.63 | 11.83 | 11.81 | 13 | 0 |
| 10 | 16QAM | 1 | 25 | 11.80 | 11.81 | 11.79 | | |
| 10 | 16QAM | 1 | 49 | 11.65 | 11.81 | 11.82 | | |
| 10 | 16QAM | 25 | 0 | 11.50 | 11.69 | 11.68 | 13 | 0 |
| 10 | 16QAM | 25 | 12 | 11.67 | 11.77 | 11.80 | | |
| 10 | 16QAM | 25 | 25 | 11.54 | 11.73 | 11.81 | | |
| 10 | 16QAM | 50 | 0 | 11.78 | 11.88 | 11.80 | | |
| 10 | 64QAM | 1 | 0 | 11.69 | 11.75 | 11.81 | 13 | 0 |
| 10 | 64QAM | 1 | 25 | 11.68 | 11.83 | 11.79 | | |
| 10 | 64QAM | 1 | 49 | 11.62 | 11.77 | 11.83 | | |
| 10 | 64QAM | 25 | 0 | 11.61 | 11.83 | 11.87 | 13 | 0 |
| 10 | 64QAM | 25 | 12 | 11.61 | 11.75 | 11.83 | | |
| 10 | 64QAM | 25 | 25 | 11.66 | 11.86 | 11.80 | | |
| 10 | 64QAM | 50 | 0 | 11.70 | 11.71 | 11.74 | | |
| 10 | 256QAM | 1 | 0 | 11.62 | 11.73 | 11.70 | 13 | 0 |
| 10 | 256QAM | 1 | 25 | 11.57 | 11.79 | 11.78 | | |
| 10 | 256QAM | 1 | 49 | 11.67 | 11.74 | 11.75 | | |
| 10 | 256QAM | 25 | 0 | 11.57 | 11.78 | 11.78 | 13 | 0 |
| 10 | 256QAM | 25 | 12 | 11.57 | 11.72 | 11.78 | | |
| 10 | 256QAM | 25 | 25 | 11.67 | 11.79 | 11.71 | | |
| 10 | 256QAM | 50 | 0 | 11.58 | 11.77 | 11.75 | | |
| Channel | | | | 19975 | 20175 | 20375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 11.68 | 11.83 | 11.81 | 13 | 0 |
| 5 | QPSK | 1 | 12 | 11.79 | 11.77 | 11.76 | | |
| 5 | QPSK | 1 | 24 | 11.73 | 11.80 | 11.81 | | |
| 5 | QPSK | 12 | 0 | 11.79 | 11.74 | 11.78 | 13 | 0 |
| 5 | QPSK | 12 | 7 | 11.64 | 11.82 | 11.81 | | |
| 5 | QPSK | 12 | 13 | 11.63 | 11.79 | 11.84 | | |
| 5 | QPSK | 25 | 0 | 11.63 | 11.74 | 11.74 | 13 | 0 |
| 5 | 16QAM | 1 | 0 | 11.86 | 11.79 | 11.69 | | |
| 5 | 16QAM | 1 | 12 | 11.81 | 11.81 | 11.76 | | |
| 5 | 16QAM | 1 | 24 | 11.83 | 11.75 | 11.73 | 13 | 0 |
| 5 | 16QAM | 12 | 0 | 11.62 | 11.78 | 11.80 | | |
| 5 | 16QAM | 12 | 7 | 11.72 | 11.83 | 11.84 | | |
| 5 | 16QAM | 12 | 13 | 11.67 | 11.84 | 11.83 | 13 | 0 |
| 5 | 16QAM | 25 | 0 | 11.64 | 11.73 | 11.76 | | |
| 5 | 64QAM | 1 | 0 | 11.71 | 11.82 | 11.80 | | |
| 5 | 64QAM | 1 | 12 | 11.73 | 11.79 | 11.82 | 13 | 0 |
| 5 | 64QAM | 1 | 24 | 11.59 | 11.88 | 11.77 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|----|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 11.61 | 11.78 | 11.78 | 13 | 0 | | |
| 5 | 64QAM | 12 | 7 | 11.63 | 11.83 | 11.79 | | | | |
| 5 | 64QAM | 12 | 13 | 11.56 | 11.80 | 11.75 | | | | |
| 5 | 64QAM | 25 | 0 | 11.55 | 11.72 | 11.69 | 13 | 0 | | |
| 5 | 256QAM | 1 | 0 | 11.59 | 11.82 | 11.75 | | | | |
| 5 | 256QAM | 1 | 12 | 11.62 | 11.80 | 11.81 | | | | |
| 5 | 256QAM | 1 | 24 | 11.68 | 11.74 | 11.72 | 13 | 0 | | |
| 5 | 256QAM | 12 | 0 | 11.61 | 11.74 | 11.72 | | | | |
| 5 | 256QAM | 12 | 7 | 11.58 | 11.79 | 11.78 | | | | |
| 5 | 256QAM | 12 | 13 | 11.61 | 11.76 | 11.81 | 13 | 0 | | |
| 5 | 256QAM | 25 | 0 | 11.67 | 11.76 | 11.74 | | | | |
| Channel | | | | 19965 | 20175 | 20385 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | | | |
| 3 | QPSK | 1 | 0 | 11.72 | 11.72 | 11.70 | 13 | 0 | | |
| 3 | QPSK | 1 | 8 | 11.79 | 11.79 | 11.78 | | | | |
| 3 | QPSK | 1 | 14 | 11.74 | 11.74 | 11.71 | | | | |
| 3 | QPSK | 8 | 0 | 11.82 | 11.82 | 11.79 | 13 | 0 | | |
| 3 | QPSK | 8 | 4 | 11.85 | 11.85 | 11.84 | | | | |
| 3 | QPSK | 8 | 7 | 11.81 | 11.81 | 11.82 | | | | |
| 3 | QPSK | 15 | 0 | 11.85 | 11.85 | 11.81 | 13 | 0 | | |
| 3 | 16QAM | 1 | 0 | 11.87 | 11.87 | 11.63 | | | | |
| 3 | 16QAM | 1 | 8 | 11.83 | 11.73 | 11.68 | | | | |
| 3 | 16QAM | 1 | 14 | 11.84 | 11.84 | 11.75 | 13 | 0 | | |
| 3 | 16QAM | 8 | 0 | 11.67 | 11.67 | 11.67 | | | | |
| 3 | 16QAM | 8 | 4 | 11.72 | 11.72 | 11.69 | | | | |
| 3 | 16QAM | 8 | 7 | 11.69 | 11.69 | 11.66 | 13 | 0 | | |
| 3 | 16QAM | 15 | 0 | 11.68 | 11.68 | 11.62 | | | | |
| 3 | 64QAM | 1 | 0 | 11.75 | 11.75 | 11.77 | | | | |
| 3 | 64QAM | 1 | 8 | 11.81 | 11.81 | 11.68 | 13 | 0 | | |
| 3 | 64QAM | 1 | 14 | 11.66 | 11.66 | 11.68 | | | | |
| 3 | 64QAM | 8 | 0 | 11.59 | 11.59 | 11.60 | | | | |
| 3 | 64QAM | 8 | 4 | 11.82 | 11.82 | 11.62 | 13 | 0 | | |
| 3 | 64QAM | 8 | 7 | 11.75 | 11.75 | 11.78 | | | | |
| 3 | 64QAM | 15 | 0 | 11.76 | 11.76 | 11.79 | | | | |
| 3 | 256QAM | 1 | 0 | 11.69 | 11.69 | 11.63 | 13 | 0 | | |
| 3 | 256QAM | 1 | 8 | 11.67 | 11.63 | 11.64 | | | | |
| 3 | 256QAM | 1 | 14 | 11.62 | 11.61 | 11.60 | | | | |
| 3 | 256QAM | 8 | 0 | 11.67 | 11.62 | 11.68 | 13 | 0 | | |
| 3 | 256QAM | 8 | 4 | 11.67 | 11.65 | 11.68 | | | | |
| 3 | 256QAM | 8 | 7 | 11.69 | 11.69 | 11.66 | | | | |
| 3 | 256QAM | 15 | 0 | 11.64 | 11.63 | 11.63 | 13 | 0 | | |
| Channel | | | | 19957 | 20175 | 20393 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 11.64 | 11.84 | 11.84 | 13 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 11.71 | 11.83 | 11.82 | | | | |
| 1.4 | QPSK | 1 | 5 | 11.65 | 11.87 | 11.85 | | | | |
| 1.4 | QPSK | 3 | 0 | 11.45 | 11.67 | 11.67 | 13 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 11.50 | 11.72 | 11.72 | | | | |
| 1.4 | QPSK | 3 | 3 | 11.47 | 11.69 | 11.69 | | | | |
| 1.4 | QPSK | 6 | 0 | 11.53 | 11.75 | 11.75 | 13 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 11.58 | 11.80 | 11.74 | 13 | 0 | | |
| 1.4 | 16QAM | 1 | 3 | 11.46 | 11.58 | 11.67 | | | | |
| 1.4 | 16QAM | 1 | 5 | 11.36 | 11.58 | 11.57 | | | | |
| 1.4 | 16QAM | 3 | 0 | 11.60 | 11.82 | 11.77 | 13 | 0 | | |
| 1.4 | 16QAM | 3 | 1 | 11.65 | 11.86 | 11.80 | | | | |
| 1.4 | 16QAM | 3 | 3 | 11.54 | 11.80 | 11.71 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 6 | 0 | 11.63 | 11.83 | 11.82 | 13 | 0 |
| 1.4 | 64QAM | 1 | 0 | 11.66 | 11.84 | 11.86 | 13 | 0 |
| 1.4 | 64QAM | 1 | 3 | 11.70 | 11.77 | 11.80 | | |
| 1.4 | 64QAM | 1 | 5 | 11.62 | 11.87 | 11.73 | | |
| 1.4 | 64QAM | 3 | 0 | 11.57 | 11.76 | 11.78 | | |
| 1.4 | 64QAM | 3 | 1 | 11.63 | 11.86 | 11.86 | | |
| 1.4 | 64QAM | 3 | 3 | 11.56 | 11.82 | 11.80 | | |
| 1.4 | 64QAM | 6 | 0 | 11.49 | 11.67 | 11.70 | 13 | 0 |
| 1.4 | 256QAM | 1 | 0 | 11.58 | 11.77 | 11.74 | 13 | 0 |
| 1.4 | 256QAM | 1 | 3 | 11.59 | 11.77 | 11.79 | | |
| 1.4 | 256QAM | 1 | 5 | 11.63 | 11.74 | 11.77 | | |
| 1.4 | 256QAM | 3 | 0 | 11.60 | 11.75 | 11.76 | | |
| 1.4 | 256QAM | 3 | 1 | 11.62 | 11.74 | 11.75 | | |
| 1.4 | 256QAM | 3 | 3 | 11.58 | 11.78 | 11.73 | | |
| 1.4 | 256QAM | 6 | 0 | 11.60 | 11.73 | 11.76 | 13 | 0 |



<LTE Band 5>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------------------|----------|
| Channel | | | | 20450 | 20525 | 20600 | | | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | | | |
| 10 | QPSK | 1 | 0 | 19.41 | 19.38 | 19.30 | 20.8 | 0 | | |
| 10 | QPSK | 1 | 25 | 19.47 | 19.45 | 19.41 | | | | |
| 10 | QPSK | 1 | 49 | 19.55 | 19.52 | 19.50 | | | | |
| 10 | QPSK | 25 | 0 | 19.44 | 19.44 | 19.40 | 20.8 | 0 | | |
| 10 | QPSK | 25 | 12 | 19.54 | 19.50 | 19.46 | | | | |
| 10 | QPSK | 25 | 25 | 19.47 | 19.45 | 19.39 | | | | |
| 10 | QPSK | 50 | 0 | 19.50 | 19.43 | 19.38 | 20.8 | 0 | | |
| 10 | 16QAM | 1 | 0 | 19.50 | 19.47 | 19.51 | | | | |
| 10 | 16QAM | 1 | 25 | 19.51 | 19.50 | 19.49 | | | | |
| 10 | 16QAM | 1 | 49 | 19.54 | 19.43 | 19.42 | 20.8 | 0 | | |
| 10 | 16QAM | 25 | 0 | 19.23 | 19.25 | 19.21 | | | | |
| 10 | 16QAM | 25 | 12 | 19.35 | 19.23 | 19.19 | | | | |
| 10 | 16QAM | 25 | 25 | 19.27 | 19.26 | 19.17 | 20.8 | 0 | | |
| 10 | 16QAM | 50 | 0 | 19.22 | 19.16 | 19.08 | | | | |
| 10 | 64QAM | 1 | 0 | 19.46 | 19.44 | 19.40 | | | | |
| 10 | 64QAM | 1 | 25 | 19.45 | 19.50 | 19.42 | 20.8 | 0 | | |
| 10 | 64QAM | 1 | 49 | 19.48 | 19.43 | 19.26 | | | | |
| 10 | 64QAM | 25 | 0 | 19.29 | 19.27 | 19.21 | | | | |
| 10 | 64QAM | 25 | 12 | 19.38 | 19.28 | 19.23 | 20.8 | 0 | | |
| 10 | 64QAM | 25 | 25 | 19.31 | 19.27 | 19.23 | | | | |
| 10 | 64QAM | 50 | 0 | 19.26 | 19.17 | 19.11 | | | | |
| 10 | 256QAM | 1 | 0 | 17.44 | 17.41 | 17.26 | 18.8 | 2 | | |
| 10 | 256QAM | 1 | 25 | 17.43 | 17.34 | 17.33 | | | | |
| 10 | 256QAM | 1 | 49 | 17.39 | 17.44 | 17.23 | | | | |
| 10 | 256QAM | 25 | 0 | 17.41 | 17.43 | 17.32 | 18.8 | 2 | | |
| 10 | 256QAM | 25 | 12 | 17.39 | 17.30 | 17.31 | | | | |
| 10 | 256QAM | 25 | 25 | 17.34 | 17.35 | 17.33 | | | | |
| 10 | 256QAM | 50 | 0 | 17.40 | 17.43 | 17.35 | 18.8 | 2 | | |
| Channel | | | | 20425 | 20525 | 20625 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | | | |
| 5 | QPSK | 1 | 0 | 19.20 | 19.11 | 19.02 | 20.8 | 0 | | |
| 5 | QPSK | 1 | 12 | 19.23 | 19.22 | 19.15 | | | | |
| 5 | QPSK | 1 | 24 | 19.15 | 19.11 | 19.03 | | | | |
| 5 | QPSK | 12 | 0 | 19.29 | 19.23 | 19.14 | 20.8 | 0 | | |
| 5 | QPSK | 12 | 7 | 19.34 | 19.29 | 19.17 | | | | |
| 5 | QPSK | 12 | 13 | 19.30 | 19.23 | 19.20 | | | | |
| 5 | QPSK | 25 | 0 | 19.30 | 19.18 | 19.11 | 20.8 | 0 | | |
| 5 | 16QAM | 1 | 0 | 19.45 | 19.41 | 19.38 | | | | |
| 5 | 16QAM | 1 | 12 | 19.48 | 19.43 | 19.45 | | | | |
| 5 | 16QAM | 1 | 24 | 19.54 | 19.42 | 19.36 | 20.8 | 0 | | |
| 5 | 16QAM | 12 | 0 | 19.32 | 19.19 | 19.16 | | | | |
| 5 | 16QAM | 12 | 7 | 19.39 | 19.33 | 19.15 | | | | |
| 5 | 16QAM | 12 | 13 | 19.32 | 19.26 | 19.21 | 20.8 | 0 | | |
| 5 | 16QAM | 25 | 0 | 19.30 | 19.25 | 19.18 | | | | |
| 5 | 64QAM | 1 | 0 | 19.43 | 19.36 | 19.28 | | | | |
| 5 | 64QAM | 1 | 12 | 19.49 | 19.39 | 19.37 | 20.8 | 0 | | |
| 5 | 64QAM | 1 | 24 | 19.50 | 19.37 | 19.24 | | | | |
| 5 | 64QAM | 12 | 0 | 19.39 | 19.29 | 19.23 | | | | |
| 5 | 64QAM | 12 | 7 | 19.41 | 19.43 | 19.27 | 20.8 | 0 | | |
| 5 | 64QAM | 12 | 13 | 19.38 | 19.36 | 19.23 | | | | |
| 5 | 64QAM | 25 | 0 | 19.34 | 19.25 | 19.15 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 17.43 | 17.37 | 17.23 | 18.8 | 2 |
| 5 | 256QAM | 1 | 12 | 17.37 | 17.35 | 17.34 | | |
| 5 | 256QAM | 1 | 24 | 17.36 | 17.41 | 17.23 | | |
| 5 | 256QAM | 12 | 0 | 17.40 | 17.38 | 17.33 | 18.8 | 2 |
| 5 | 256QAM | 12 | 7 | 17.38 | 17.30 | 17.29 | | |
| 5 | 256QAM | 12 | 13 | 17.37 | 17.37 | 17.34 | | |
| 5 | 256QAM | 25 | 0 | 17.39 | 17.40 | 17.30 | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 19.24 | 19.13 | 19.12 | 20.8 | 0 |
| 3 | QPSK | 1 | 8 | 19.27 | 19.27 | 19.14 | | |
| 3 | QPSK | 1 | 14 | 19.19 | 19.18 | 19.07 | | |
| 3 | QPSK | 8 | 0 | 19.30 | 19.21 | 19.21 | 20.8 | 0 |
| 3 | QPSK | 8 | 4 | 19.36 | 19.33 | 19.26 | | |
| 3 | QPSK | 8 | 7 | 19.31 | 19.28 | 19.20 | | |
| 3 | QPSK | 15 | 0 | 19.29 | 19.21 | 19.18 | | |
| 3 | 16QAM | 1 | 0 | 19.45 | 19.42 | 19.47 | 20.8 | 0 |
| 3 | 16QAM | 1 | 8 | 19.54 | 19.54 | 19.45 | | |
| 3 | 16QAM | 1 | 14 | 19.55 | 19.50 | 19.37 | | |
| 3 | 16QAM | 8 | 0 | 19.37 | 19.28 | 19.25 | 20.8 | 0 |
| 3 | 16QAM | 8 | 4 | 19.45 | 19.39 | 19.29 | | |
| 3 | 16QAM | 8 | 7 | 19.38 | 19.35 | 19.25 | | |
| 3 | 16QAM | 15 | 0 | 19.37 | 19.25 | 19.20 | | |
| 3 | 64QAM | 1 | 0 | 19.51 | 19.37 | 19.35 | 20.8 | 0 |
| 3 | 64QAM | 1 | 8 | 19.55 | 19.53 | 19.40 | | |
| 3 | 64QAM | 1 | 14 | 19.52 | 19.43 | 19.31 | | |
| 3 | 64QAM | 8 | 0 | 19.38 | 19.30 | 19.27 | 20.8 | 0 |
| 3 | 64QAM | 8 | 4 | 19.42 | 19.35 | 19.27 | | |
| 3 | 64QAM | 8 | 7 | 19.39 | 19.37 | 19.25 | | |
| 3 | 64QAM | 15 | 0 | 19.36 | 19.31 | 19.27 | | |
| 3 | 256QAM | 1 | 0 | 17.40 | 17.36 | 17.26 | 18.8 | 2 |
| 3 | 256QAM | 1 | 8 | 17.42 | 17.44 | 17.32 | | |
| 3 | 256QAM | 1 | 14 | 17.42 | 17.42 | 17.22 | | |
| 3 | 256QAM | 8 | 0 | 17.43 | 17.41 | 17.32 | 18.8 | 2 |
| 3 | 256QAM | 8 | 4 | 17.37 | 17.37 | 17.33 | | |
| 3 | 256QAM | 8 | 7 | 17.41 | 17.37 | 17.30 | | |
| 3 | 256QAM | 15 | 0 | 17.40 | 17.41 | 17.32 | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 19.19 | 19.05 | 19.03 | 20.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 19.25 | 19.18 | 19.06 | | |
| 1.4 | QPSK | 1 | 5 | 19.17 | 19.11 | 19.01 | | |
| 1.4 | QPSK | 3 | 0 | 19.21 | 19.07 | 19.03 | | |
| 1.4 | QPSK | 3 | 1 | 19.22 | 19.10 | 19.06 | | |
| 1.4 | QPSK | 3 | 3 | 19.20 | 19.13 | 19.01 | | |
| 1.4 | QPSK | 6 | 0 | 19.31 | 19.14 | 19.11 | 20.8 | 0 |
| 1.4 | 16QAM | 1 | 0 | 19.53 | 19.40 | 19.32 | 20.8 | 0 |
| 1.4 | 16QAM | 1 | 3 | 19.49 | 19.50 | 19.44 | | |
| 1.4 | 16QAM | 1 | 5 | 19.50 | 19.50 | 19.33 | | |
| 1.4 | 16QAM | 3 | 0 | 19.29 | 19.21 | 19.10 | | |
| 1.4 | 16QAM | 3 | 1 | 19.35 | 19.22 | 19.14 | | |
| 1.4 | 16QAM | 3 | 3 | 19.29 | 19.19 | 19.07 | | |
| 1.4 | 16QAM | 6 | 0 | 19.33 | 19.24 | 19.18 | 20.8 | 0 |
| 1.4 | 64QAM | 1 | 0 | 19.24 | 19.34 | 19.22 | 20.8 | 0 |
| 1.4 | 64QAM | 1 | 3 | 19.21 | 19.45 | 19.31 | | |
| 1.4 | 64QAM | 1 | 5 | 19.46 | 19.37 | 19.29 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 19.49 | 19.31 | 19.25 | | |
| 1.4 | 64QAM | 3 | 1 | 19.50 | 19.34 | 19.29 | | |
| 1.4 | 64QAM | 3 | 3 | 19.43 | 19.35 | 19.25 | | |
| 1.4 | 64QAM | 6 | 0 | 19.32 | 19.20 | 19.14 | 20.8 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.45 | 17.36 | 17.31 | 18.8 | 2 |
| 1.4 | 256QAM | 1 | 3 | 17.38 | 17.39 | 17.34 | | |
| 1.4 | 256QAM | 1 | 5 | 17.33 | 17.36 | 17.27 | | |
| 1.4 | 256QAM | 3 | 0 | 17.41 | 17.45 | 17.28 | | |
| 1.4 | 256QAM | 3 | 1 | 17.45 | 17.33 | 17.32 | | |
| 1.4 | 256QAM | 3 | 3 | 17.33 | 17.44 | 17.34 | | |
| 1.4 | 256QAM | 6 | 0 | 17.36 | 17.35 | 17.31 | 18.8 | 2 |



<LTE Band 7>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20850 | 21100 | 21350 | 13.8 | 0 |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 13.31 | 13.19 | 13.10 | | |
| 20 | QPSK | 1 | 49 | 13.23 | 13.13 | 13.26 | 13.8 | 0 |
| 20 | QPSK | 1 | 99 | 13.18 | 13.22 | 13.25 | | |
| 20 | QPSK | 50 | 0 | 13.22 | 13.11 | 13.06 | | |
| 20 | QPSK | 50 | 24 | 13.29 | 13.26 | 13.19 | 13.8 | 0 |
| 20 | QPSK | 50 | 50 | 13.23 | 13.28 | 13.23 | | |
| 20 | QPSK | 100 | 0 | 13.27 | 13.06 | 13.25 | | |
| 20 | 16QAM | 1 | 0 | 13.21 | 12.93 | 12.83 | 13.8 | 0 |
| 20 | 16QAM | 1 | 49 | 13.30 | 13.14 | 12.99 | | |
| 20 | 16QAM | 1 | 99 | 13.30 | 13.05 | 13.11 | | |
| 20 | 16QAM | 50 | 0 | 12.81 | 12.80 | 12.97 | 13.8 | 0 |
| 20 | 16QAM | 50 | 24 | 12.82 | 12.81 | 12.82 | | |
| 20 | 16QAM | 50 | 50 | 12.80 | 12.79 | 12.86 | | |
| 20 | 16QAM | 100 | 0 | 12.77 | 12.73 | 12.97 | 13.8 | 0 |
| 20 | 64QAM | 1 | 0 | 13.15 | 13.27 | 13.22 | | |
| 20 | 64QAM | 1 | 49 | 13.20 | 13.27 | 13.20 | | |
| 20 | 64QAM | 1 | 99 | 13.27 | 13.19 | 13.20 | 13.8 | 0 |
| 20 | 64QAM | 50 | 0 | 12.99 | 13.00 | 12.96 | | |
| 20 | 64QAM | 50 | 24 | 13.09 | 13.03 | 13.01 | | |
| 20 | 64QAM | 50 | 50 | 13.06 | 13.03 | 12.98 | 13.8 | 0 |
| 20 | 64QAM | 100 | 0 | 12.99 | 12.95 | 12.96 | | |
| 20 | 256QAM | 1 | 0 | 13.17 | 13.04 | 13.03 | | |
| 20 | 256QAM | 1 | 49 | 13.17 | 13.01 | 13.07 | 13.8 | 0 |
| 20 | 256QAM | 1 | 99 | 13.21 | 13.19 | 13.09 | | |
| 20 | 256QAM | 50 | 0 | 13.25 | 13.08 | 13.02 | | |
| 20 | 256QAM | 50 | 24 | 13.23 | 13.17 | 13.09 | 13.8 | 0 |
| 20 | 256QAM | 50 | 50 | 13.11 | 13.09 | 12.91 | | |
| 20 | 256QAM | 100 | 0 | 13.17 | 13.14 | 13.08 | | |
| Channel | | | | 20825 | 21100 | 21375 | 13.8 | 0 |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 13.03 | 13.14 | 13.07 | | |
| 15 | QPSK | 1 | 37 | 13.05 | 13.15 | 13.02 | 13.8 | 0 |
| 15 | QPSK | 1 | 74 | 13.12 | 13.20 | 13.08 | | |
| 15 | QPSK | 36 | 0 | 13.20 | 13.22 | 13.19 | | |
| 15 | QPSK | 36 | 20 | 13.24 | 13.24 | 13.20 | 13.8 | 0 |
| 15 | QPSK | 36 | 39 | 13.26 | 13.30 | 13.21 | | |
| 15 | QPSK | 75 | 0 | 13.15 | 13.18 | 13.15 | | |
| 15 | 16QAM | 1 | 0 | 13.25 | 13.14 | 13.24 | 13.8 | 0 |
| 15 | 16QAM | 1 | 37 | 13.27 | 13.26 | 13.28 | | |
| 15 | 16QAM | 1 | 74 | 13.26 | 13.27 | 13.27 | | |
| 15 | 16QAM | 36 | 0 | 13.20 | 13.24 | 13.22 | 13.8 | 0 |
| 15 | 16QAM | 36 | 20 | 13.24 | 13.26 | 13.21 | | |
| 15 | 16QAM | 36 | 39 | 13.24 | 13.23 | 13.21 | | |
| 15 | 16QAM | 75 | 0 | 13.17 | 13.20 | 13.17 | 13.8 | 0 |
| 15 | 64QAM | 1 | 0 | 13.12 | 13.17 | 13.20 | | |
| 15 | 64QAM | 1 | 37 | 13.22 | 13.22 | 13.22 | | |
| 15 | 64QAM | 1 | 74 | 13.26 | 13.30 | 13.22 | 13.8 | 0 |
| 15 | 64QAM | 36 | 0 | 13.11 | 13.18 | 13.12 | | |
| 15 | 64QAM | 36 | 20 | 13.13 | 13.20 | 13.13 | | |
| 15 | 64QAM | 36 | 39 | 13.14 | 13.25 | 13.13 | 13.8 | 0 |
| 15 | 64QAM | 75 | 0 | 13.04 | 13.06 | 13.04 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 12.84 | 13.03 | 13.04 | 13.8 | 0 |
| 15 | 256QAM | 1 | 37 | 13.03 | 13.07 | 12.94 | | |
| 15 | 256QAM | 1 | 74 | 12.97 | 12.96 | 13.02 | | |
| 15 | 256QAM | 36 | 0 | 12.95 | 13.01 | 12.89 | 13.8 | 0 |
| 15 | 256QAM | 36 | 20 | 12.95 | 12.99 | 13.07 | | |
| 15 | 256QAM | 36 | 39 | 12.99 | 12.98 | 13.06 | | |
| 15 | 256QAM | 75 | 0 | 13.00 | 13.10 | 12.93 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 12.78 | 13.00 | 12.83 | 13.8 | 0 |
| 10 | QPSK | 1 | 25 | 12.80 | 13.01 | 12.83 | | |
| 10 | QPSK | 1 | 49 | 12.86 | 13.06 | 12.89 | | |
| 10 | QPSK | 25 | 0 | 12.93 | 13.06 | 12.96 | 13.8 | 0 |
| 10 | QPSK | 25 | 12 | 12.93 | 13.09 | 13.01 | | |
| 10 | QPSK | 25 | 25 | 12.95 | 13.13 | 12.95 | | |
| 10 | QPSK | 50 | 0 | 12.87 | 12.98 | 12.88 | | |
| 10 | 16QAM | 1 | 0 | 13.18 | 13.23 | 13.21 | 13.8 | 0 |
| 10 | 16QAM | 1 | 25 | 13.17 | 13.30 | 13.21 | | |
| 10 | 16QAM | 1 | 49 | 13.24 | 13.30 | 13.25 | | |
| 10 | 16QAM | 25 | 0 | 12.93 | 13.06 | 12.98 | 13.8 | 0 |
| 10 | 16QAM | 25 | 12 | 12.99 | 13.08 | 12.99 | | |
| 10 | 16QAM | 25 | 25 | 13.01 | 13.12 | 13.01 | | |
| 10 | 16QAM | 50 | 0 | 12.84 | 12.95 | 12.91 | | |
| 10 | 64QAM | 1 | 0 | 12.97 | 13.17 | 13.13 | 13.8 | 0 |
| 10 | 64QAM | 1 | 25 | 13.12 | 13.21 | 13.14 | | |
| 10 | 64QAM | 1 | 49 | 13.11 | 13.30 | 13.15 | | |
| 10 | 64QAM | 25 | 0 | 12.88 | 13.04 | 12.98 | 13.8 | 0 |
| 10 | 64QAM | 25 | 12 | 12.99 | 13.10 | 13.01 | | |
| 10 | 64QAM | 25 | 25 | 12.99 | 13.14 | 13.00 | | |
| 10 | 64QAM | 50 | 0 | 12.88 | 13.01 | 12.91 | | |
| 10 | 256QAM | 1 | 0 | 12.69 | 12.94 | 12.76 | 13.8 | 0 |
| 10 | 256QAM | 1 | 25 | 12.68 | 12.96 | 12.75 | | |
| 10 | 256QAM | 1 | 49 | 12.66 | 12.84 | 12.81 | | |
| 10 | 256QAM | 25 | 0 | 12.74 | 12.97 | 12.63 | 13.8 | 0 |
| 10 | 256QAM | 25 | 12 | 12.62 | 12.80 | 12.73 | | |
| 10 | 256QAM | 25 | 25 | 12.65 | 12.85 | 12.83 | | |
| 10 | 256QAM | 50 | 0 | 12.69 | 12.95 | 12.67 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 12.80 | 13.00 | 12.89 | 13.8 | 0 |
| 5 | QPSK | 1 | 12 | 12.79 | 13.04 | 12.89 | | |
| 5 | QPSK | 1 | 24 | 12.83 | 13.08 | 12.95 | | |
| 5 | QPSK | 12 | 0 | 12.85 | 13.05 | 12.94 | 13.8 | 0 |
| 5 | QPSK | 12 | 7 | 12.91 | 13.15 | 13.00 | | |
| 5 | QPSK | 12 | 13 | 12.87 | 13.10 | 12.94 | | |
| 5 | QPSK | 25 | 0 | 12.86 | 13.04 | 12.88 | | |
| 5 | 16QAM | 1 | 0 | 13.13 | 13.27 | 13.22 | 13.8 | 0 |
| 5 | 16QAM | 1 | 12 | 13.05 | 13.29 | 13.17 | | |
| 5 | 16QAM | 1 | 24 | 13.15 | 13.26 | 13.20 | | |
| 5 | 16QAM | 12 | 0 | 12.91 | 13.02 | 12.94 | 13.8 | 0 |
| 5 | 16QAM | 12 | 7 | 12.98 | 13.12 | 12.97 | | |
| 5 | 16QAM | 12 | 13 | 12.93 | 13.10 | 12.94 | | |
| 5 | 16QAM | 25 | 0 | 12.92 | 13.04 | 12.96 | | |
| 5 | 64QAM | 1 | 0 | 13.00 | 13.20 | 13.14 | 13.8 | 0 |
| 5 | 64QAM | 1 | 12 | 13.00 | 13.21 | 13.08 | | |
| 5 | 64QAM | 1 | 24 | 13.02 | 13.23 | 13.06 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 12.92 | 13.06 | 12.97 | 13.8 | 0 |
| 5 | 64QAM | 12 | 7 | 13.03 | 13.16 | 13.05 | | |
| 5 | 64QAM | 12 | 13 | 12.99 | 13.15 | 12.97 | | |
| 5 | 64QAM | 25 | 0 | 12.91 | 13.03 | 12.93 | 13.8 | 0 |
| 5 | 256QAM | 1 | 0 | 12.75 | 12.86 | 12.81 | | |
| 5 | 256QAM | 1 | 12 | 12.64 | 12.87 | 12.79 | | |
| 5 | 256QAM | 1 | 24 | 12.76 | 12.83 | 12.82 | 13.8 | 0 |
| 5 | 256QAM | 12 | 0 | 12.76 | 12.81 | 12.80 | | |
| 5 | 256QAM | 12 | 7 | 12.74 | 12.88 | 12.76 | | |
| 5 | 256QAM | 12 | 13 | 12.69 | 12.85 | 12.79 | 13.8 | 0 |
| 5 | 256QAM | 25 | 0 | 12.78 | 12.84 | 12.86 | | |



<LTE Band 12>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23060 | 23095 | 23130 | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | |
| 10 | QPSK | 1 | 0 | 19.19 | 19.23 | 19.21 | 20.3 | 0 |
| 10 | QPSK | 1 | 25 | 19.13 | 19.15 | 18.99 | | |
| 10 | QPSK | 1 | 49 | 19.04 | 19.15 | 19.05 | | |
| 10 | QPSK | 25 | 0 | 19.10 | 19.12 | 19.16 | 20.3 | 0 |
| 10 | QPSK | 25 | 12 | 19.14 | 19.20 | 19.17 | | |
| 10 | QPSK | 25 | 25 | 19.16 | 19.19 | 19.18 | | |
| 10 | QPSK | 50 | 0 | 19.14 | 19.19 | 19.13 | 20.3 | 0 |
| 10 | 16QAM | 1 | 0 | 19.04 | 19.06 | 19.15 | | |
| 10 | 16QAM | 1 | 25 | 19.15 | 19.13 | 19.11 | | |
| 10 | 16QAM | 1 | 49 | 19.07 | 19.17 | 19.12 | 20.3 | 0 |
| 10 | 16QAM | 25 | 0 | 19.05 | 19.12 | 19.20 | | |
| 10 | 16QAM | 25 | 12 | 19.20 | 19.13 | 19.21 | | |
| 10 | 16QAM | 25 | 25 | 19.16 | 19.20 | 19.14 | 20.3 | 0 |
| 10 | 16QAM | 50 | 0 | 19.17 | 19.18 | 19.20 | | |
| 10 | 64QAM | 1 | 0 | 19.13 | 19.12 | 19.19 | | |
| 10 | 64QAM | 1 | 25 | 19.19 | 19.17 | 19.13 | 20.3 | 0 |
| 10 | 64QAM | 1 | 49 | 19.16 | 19.12 | 19.18 | | |
| 10 | 64QAM | 25 | 0 | 19.03 | 18.96 | 19.04 | | |
| 10 | 64QAM | 25 | 12 | 19.23 | 19.15 | 19.20 | 20.3 | 0 |
| 10 | 64QAM | 25 | 25 | 19.20 | 19.17 | 19.14 | | |
| 10 | 64QAM | 50 | 0 | 19.10 | 19.07 | 19.09 | | |
| 10 | 256QAM | 1 | 0 | 17.65 | 17.62 | 17.72 | 18.8 | 1.5 |
| 10 | 256QAM | 1 | 25 | 17.91 | 17.89 | 17.77 | | |
| 10 | 256QAM | 1 | 49 | 17.64 | 17.82 | 17.63 | | |
| 10 | 256QAM | 25 | 0 | 17.66 | 17.57 | 17.77 | 18.8 | 1.5 |
| 10 | 256QAM | 25 | 12 | 17.84 | 18.04 | 17.88 | | |
| 10 | 256QAM | 25 | 25 | 17.79 | 17.90 | 17.62 | | |
| 10 | 256QAM | 50 | 0 | 17.63 | 17.53 | 17.62 | | |
| Channel | | | | 23035 | 23095 | 23155 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 19.16 | 19.07 | 19.07 | 20.3 | 0 |
| 5 | QPSK | 1 | 12 | 19.16 | 19.22 | 19.15 | | |
| 5 | QPSK | 1 | 24 | 19.14 | 19.18 | 19.16 | | |
| 5 | QPSK | 12 | 0 | 19.05 | 19.05 | 18.97 | 20.3 | 0 |
| 5 | QPSK | 12 | 7 | 19.07 | 19.06 | 18.96 | | |
| 5 | QPSK | 12 | 13 | 19.05 | 19.09 | 18.99 | | |
| 5 | QPSK | 25 | 0 | 19.04 | 19.04 | 18.96 | 20.3 | 0 |
| 5 | 16QAM | 1 | 0 | 19.14 | 19.18 | 19.20 | | |
| 5 | 16QAM | 1 | 12 | 19.21 | 19.13 | 19.20 | | |
| 5 | 16QAM | 1 | 24 | 19.13 | 19.12 | 19.17 | 20.3 | 0 |
| 5 | 16QAM | 12 | 0 | 19.06 | 19.02 | 19.00 | | |
| 5 | 16QAM | 12 | 7 | 19.07 | 19.04 | 19.01 | | |
| 5 | 16QAM | 12 | 13 | 19.07 | 19.08 | 19.01 | 20.3 | 0 |
| 5 | 16QAM | 25 | 0 | 19.07 | 19.05 | 19.00 | | |
| 5 | 64QAM | 1 | 0 | 19.18 | 19.14 | 19.10 | | |
| 5 | 64QAM | 1 | 12 | 19.14 | 19.19 | 19.15 | 20.3 | 0 |
| 5 | 64QAM | 1 | 24 | 19.19 | 19.20 | 19.14 | | |
| 5 | 64QAM | 12 | 0 | 19.13 | 19.09 | 19.06 | | |
| 5 | 64QAM | 12 | 7 | 19.15 | 19.09 | 19.05 | 20.3 | 0 |
| 5 | 64QAM | 12 | 13 | 19.12 | 19.12 | 19.06 | | |
| 5 | 64QAM | 25 | 0 | 19.06 | 19.06 | 19.01 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 17.74 | 17.65 | 17.74 | 18.8 | 1.5 |
| 5 | 256QAM | 1 | 12 | 17.93 | 17.94 | 17.72 | | |
| 5 | 256QAM | 1 | 24 | 17.73 | 17.87 | 17.68 | | |
| 5 | 256QAM | 12 | 0 | 17.69 | 17.57 | 17.70 | 18.8 | 1.5 |
| 5 | 256QAM | 12 | 7 | 17.82 | 17.97 | 17.88 | | |
| 5 | 256QAM | 12 | 13 | 17.80 | 17.90 | 17.62 | | |
| 5 | 256QAM | 25 | 0 | 17.64 | 17.61 | 17.62 | | |
| Channel | | | | 23025 | 23095 | 23165 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | |
| 3 | QPSK | 1 | 0 | 19.18 | 19.15 | 19.12 | 20.3 | 0 |
| 3 | QPSK | 1 | 8 | 19.20 | 19.20 | 19.17 | | |
| 3 | QPSK | 1 | 14 | 19.12 | 19.19 | 19.08 | | |
| 3 | QPSK | 8 | 0 | 19.17 | 19.20 | 19.18 | 20.3 | 0 |
| 3 | QPSK | 8 | 4 | 19.20 | 19.19 | 19.18 | | |
| 3 | QPSK | 8 | 7 | 19.13 | 19.15 | 19.07 | | |
| 3 | QPSK | 15 | 0 | 19.15 | 19.11 | 19.08 | | |
| 3 | 16QAM | 1 | 0 | 19.03 | 19.08 | 19.10 | 20.3 | 0 |
| 3 | 16QAM | 1 | 8 | 19.15 | 19.07 | 19.01 | | |
| 3 | 16QAM | 1 | 14 | 19.12 | 19.12 | 19.04 | | |
| 3 | 16QAM | 8 | 0 | 19.09 | 19.09 | 19.03 | 20.3 | 0 |
| 3 | 16QAM | 8 | 4 | 19.12 | 19.07 | 19.05 | | |
| 3 | 16QAM | 8 | 7 | 19.04 | 19.12 | 19.05 | | |
| 3 | 16QAM | 15 | 0 | 19.10 | 19.12 | 19.12 | | |
| 3 | 64QAM | 1 | 0 | 19.14 | 19.11 | 19.09 | 20.3 | 0 |
| 3 | 64QAM | 1 | 8 | 19.15 | 19.07 | 19.09 | | |
| 3 | 64QAM | 1 | 14 | 19.09 | 19.14 | 19.01 | | |
| 3 | 64QAM | 8 | 0 | 19.10 | 19.07 | 19.03 | 20.3 | 0 |
| 3 | 64QAM | 8 | 4 | 19.13 | 19.15 | 19.06 | | |
| 3 | 64QAM | 8 | 7 | 19.11 | 19.13 | 19.04 | | |
| 3 | 64QAM | 15 | 0 | 19.07 | 19.04 | 19.03 | | |
| 3 | 256QAM | 1 | 0 | 17.72 | 17.65 | 17.73 | 18.8 | 1.5 |
| 3 | 256QAM | 1 | 8 | 17.89 | 17.90 | 17.73 | | |
| 3 | 256QAM | 1 | 14 | 17.67 | 17.87 | 17.68 | | |
| 3 | 256QAM | 8 | 0 | 17.74 | 17.59 | 17.78 | 18.8 | 1.5 |
| 3 | 256QAM | 8 | 4 | 17.83 | 18.00 | 17.84 | | |
| 3 | 256QAM | 8 | 7 | 17.80 | 17.91 | 17.67 | | |
| 3 | 256QAM | 15 | 0 | 17.57 | 17.61 | 17.57 | | |
| Channel | | | | 23017 | 23095 | 23173 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | | |
| 1.4 | QPSK | 1 | 0 | 19.11 | 19.07 | 19.00 | 20.3 | 0 |
| 1.4 | QPSK | 1 | 3 | 19.15 | 19.17 | 19.06 | | |
| 1.4 | QPSK | 1 | 5 | 19.08 | 19.15 | 19.02 | | |
| 1.4 | QPSK | 3 | 0 | 19.12 | 19.07 | 19.01 | | |
| 1.4 | QPSK | 3 | 1 | 19.14 | 19.08 | 19.04 | | |
| 1.4 | QPSK | 3 | 3 | 19.11 | 19.12 | 19.02 | | |
| 1.4 | QPSK | 6 | 0 | 19.17 | 19.14 | 19.09 | 20.3 | 0 |
| 1.4 | 16QAM | 1 | 0 | 19.20 | 19.18 | 19.16 | 20.3 | 0 |
| 1.4 | 16QAM | 1 | 3 | 19.10 | 19.14 | 19.19 | | |
| 1.4 | 16QAM | 1 | 5 | 19.22 | 19.15 | 19.15 | | |
| 1.4 | 16QAM | 3 | 0 | 19.16 | 19.11 | 19.11 | | |
| 1.4 | 16QAM | 3 | 1 | 19.20 | 19.18 | 19.14 | | |
| 1.4 | 16QAM | 3 | 3 | 19.18 | 19.12 | 19.09 | | |
| 1.4 | 16QAM | 6 | 0 | 19.18 | 19.13 | 19.16 | 20.3 | 0 |
| 1.4 | 64QAM | 1 | 0 | 19.19 | 19.03 | 19.07 | 20.3 | 0 |
| 1.4 | 64QAM | 1 | 3 | 19.21 | 19.16 | 19.11 | | |
| 1.4 | 64QAM | 1 | 5 | 19.18 | 19.15 | 19.05 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|-----|
| 1.4 | 64QAM | 3 | 0 | 19.10 | 19.10 | 19.03 | | |
| 1.4 | 64QAM | 3 | 1 | 19.20 | 19.14 | 19.08 | | |
| 1.4 | 64QAM | 3 | 3 | 19.13 | 19.17 | 19.04 | | |
| 1.4 | 64QAM | 6 | 0 | 18.98 | 18.94 | 18.92 | 20.3 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.67 | 17.66 | 17.67 | 18.8 | 1.5 |
| 1.4 | 256QAM | 1 | 3 | 17.94 | 17.95 | 17.72 | | |
| 1.4 | 256QAM | 1 | 5 | 17.63 | 17.84 | 17.59 | | |
| 1.4 | 256QAM | 3 | 0 | 17.66 | 17.58 | 17.71 | | |
| 1.4 | 256QAM | 3 | 1 | 17.84 | 17.98 | 17.88 | | |
| 1.4 | 256QAM | 3 | 3 | 17.76 | 17.89 | 17.61 | | |
| 1.4 | 256QAM | 6 | 0 | 17.57 | 17.53 | 17.65 | 18.8 | 1.5 |



<LTE Band 13>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23230 | | | 21.3 | 0 |
| Frequency (MHz) | | | | 782 | | | | |
| 10 | QPSK | 1 | 0 | | 20.20 | | 21.3 | 0 |
| 10 | QPSK | 1 | 25 | | 19.99 | | | |
| 10 | QPSK | 1 | 49 | | 19.91 | | | |
| 10 | QPSK | 25 | 0 | | 20.12 | | 21.3 | 0 |
| 10 | QPSK | 25 | 12 | | 20.18 | | | |
| 10 | QPSK | 25 | 25 | | 20.16 | | | |
| 10 | QPSK | 50 | 0 | | 20.07 | | 21.3 | 0 |
| 10 | 16QAM | 1 | 0 | | 20.09 | | | |
| 10 | 16QAM | 1 | 25 | | 20.11 | | | |
| 10 | 16QAM | 1 | 49 | | 20.16 | | 21.3 | 0 |
| 10 | 16QAM | 25 | 0 | | 19.68 | | | |
| 10 | 16QAM | 25 | 12 | | 19.70 | | | |
| 10 | 16QAM | 25 | 25 | | 19.64 | | 21.3 | 0 |
| 10 | 16QAM | 50 | 0 | | 19.57 | | | |
| 10 | 64QAM | 1 | 0 | | 20.15 | | | |
| 10 | 64QAM | 1 | 25 | | 20.15 | | 21.3 | 0 |
| 10 | 64QAM | 1 | 49 | | 20.16 | | | |
| 10 | 64QAM | 25 | 0 | | 19.37 | | | |
| 10 | 64QAM | 25 | 12 | | 19.45 | | 20.3 | 1 |
| 10 | 64QAM | 25 | 25 | | 19.35 | | | |
| 10 | 64QAM | 50 | 0 | | 19.37 | | | |
| 10 | 256QAM | 1 | 0 | | 17.75 | | 18.8 | 1.5 |
| 10 | 256QAM | 1 | 25 | | 17.91 | | | |
| 10 | 256QAM | 1 | 49 | | 17.63 | | | |
| 10 | 256QAM | 25 | 0 | | 17.69 | | 18.8 | 1.5 |
| 10 | 256QAM | 25 | 12 | | 17.80 | | | |
| 10 | 256QAM | 25 | 25 | | 17.75 | | | |
| 10 | 256QAM | 50 | 0 | | 17.66 | | | |
| Channel | | | | 23205 | 23230 | 23255 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 5 | QPSK | 1 | 0 | 20.00 | 19.95 | 20.01 | 21.3 | 0 |
| 5 | QPSK | 1 | 12 | 19.91 | 19.92 | 19.81 | | |
| 5 | QPSK | 1 | 24 | 19.91 | 19.92 | 19.84 | | |
| 5 | QPSK | 12 | 0 | 19.97 | 19.92 | 19.87 | 21.3 | 0 |
| 5 | QPSK | 12 | 7 | 19.99 | 19.96 | 19.92 | | |
| 5 | QPSK | 12 | 13 | 19.97 | 19.96 | 19.93 | | |
| 5 | QPSK | 25 | 0 | 19.98 | 19.91 | 19.89 | 21.3 | 0 |
| 5 | 16QAM | 1 | 0 | 20.05 | 20.16 | 20.13 | | |
| 5 | 16QAM | 1 | 12 | 20.03 | 20.12 | 20.11 | | |
| 5 | 16QAM | 1 | 24 | 20.02 | 20.11 | 20.15 | 21.3 | 0 |
| 5 | 16QAM | 12 | 0 | 20.03 | 19.96 | 19.86 | | |
| 5 | 16QAM | 12 | 7 | 20.05 | 19.97 | 19.89 | | |
| 5 | 16QAM | 12 | 13 | 20.04 | 19.97 | 19.93 | 21.3 | 0 |
| 5 | 16QAM | 25 | 0 | 19.94 | 19.91 | 19.90 | | |
| 5 | 64QAM | 1 | 0 | 20.14 | 20.07 | 20.02 | | |
| 5 | 64QAM | 1 | 12 | 20.10 | 20.09 | 20.01 | 21.3 | 0 |
| 5 | 64QAM | 1 | 24 | 20.13 | 20.08 | 20.02 | | |
| 5 | 64QAM | 12 | 0 | 20.10 | 20.02 | 20.03 | | |
| 5 | 64QAM | 12 | 7 | 20.12 | 20.10 | 20.04 | 20.3 | 1 |
| 5 | 64QAM | 12 | 13 | 20.11 | 20.10 | 20.07 | | |
| 5 | 64QAM | 25 | 0 | 20.14 | 20.09 | 20.04 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|-----|
| 5 | 256QAM | 1 | 0 | 17.62 | 17.65 | 17.55 | 18.8 | 1.5 |
| 5 | 256QAM | 1 | 12 | 17.55 | 17.56 | 17.64 | | |
| 5 | 256QAM | 1 | 24 | 17.55 | 17.52 | 17.60 | | |
| 5 | 256QAM | 12 | 0 | 17.61 | 17.61 | 17.42 | 18.8 | 1.5 |
| 5 | 256QAM | 12 | 7 | 17.55 | 17.48 | 17.60 | | |
| 5 | 256QAM | 12 | 13 | 17.44 | 17.53 | 17.55 | | |
| 5 | 256QAM | 25 | 0 | 17.53 | 17.58 | 17.46 | | |



<LTE Band 17>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23780 | 23790 | 23800 | | |
| Frequency (MHz) | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 19.27 | 19.31 | 19.15 | 20.3 | 0 |
| 10 | QPSK | 1 | 25 | 19.07 | 19.09 | 19.11 | | |
| 10 | QPSK | 1 | 49 | 19.10 | 19.08 | 19.12 | | |
| 10 | QPSK | 25 | 0 | 18.95 | 19.04 | 18.99 | 20.3 | 0 |
| 10 | QPSK | 25 | 12 | 19.15 | 19.16 | 19.05 | | |
| 10 | QPSK | 25 | 25 | 19.04 | 18.97 | 18.92 | | |
| 10 | QPSK | 50 | 0 | 18.97 | 19.00 | 18.99 | 20.3 | 0 |
| 10 | 16QAM | 1 | 0 | 18.83 | 18.64 | 18.68 | | |
| 10 | 16QAM | 1 | 25 | 18.89 | 18.75 | 18.66 | | |
| 10 | 16QAM | 1 | 49 | 18.90 | 18.68 | 18.70 | 20.3 | 0 |
| 10 | 16QAM | 25 | 0 | 18.56 | 18.72 | 18.63 | | |
| 10 | 16QAM | 25 | 12 | 18.69 | 18.69 | 18.68 | | |
| 10 | 16QAM | 25 | 25 | 18.57 | 18.74 | 18.67 | 20.3 | 0 |
| 10 | 16QAM | 50 | 0 | 18.60 | 18.64 | 18.67 | | |
| 10 | 64QAM | 1 | 0 | 19.28 | 19.30 | 19.27 | | |
| 10 | 64QAM | 1 | 25 | 19.20 | 19.26 | 19.23 | 20.3 | 0 |
| 10 | 64QAM | 1 | 49 | 19.21 | 19.28 | 19.23 | | |
| 10 | 64QAM | 25 | 0 | 18.73 | 18.69 | 18.69 | | |
| 10 | 64QAM | 25 | 12 | 18.83 | 18.71 | 18.67 | 20.3 | 0 |
| 10 | 64QAM | 25 | 25 | 18.82 | 18.80 | 18.75 | | |
| 10 | 64QAM | 50 | 0 | 18.67 | 18.67 | 18.75 | | |
| 10 | 256QAM | 1 | 0 | 17.69 | 17.77 | 17.82 | 18.8 | 1.5 |
| 10 | 256QAM | 1 | 25 | 17.74 | 17.62 | 17.76 | | |
| 10 | 256QAM | 1 | 49 | 17.74 | 17.77 | 17.80 | | |
| 10 | 256QAM | 25 | 0 | 17.63 | 17.81 | 17.72 | 18.8 | 1.5 |
| 10 | 256QAM | 25 | 12 | 17.71 | 17.48 | 17.86 | | |
| 10 | 256QAM | 25 | 25 | 17.73 | 17.70 | 17.85 | | |
| 10 | 256QAM | 50 | 0 | 17.63 | 17.79 | 17.77 | | |
| Channel | | | | 23755 | 23790 | 23825 | | |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 19.27 | 19.15 | 19.16 | 20.3 | 0 |
| 5 | QPSK | 1 | 12 | 19.27 | 19.30 | 19.23 | | |
| 5 | QPSK | 1 | 24 | 19.27 | 19.29 | 19.25 | | |
| 5 | QPSK | 12 | 0 | 19.12 | 19.11 | 19.06 | 20.3 | 0 |
| 5 | QPSK | 12 | 7 | 19.18 | 19.17 | 19.08 | | |
| 5 | QPSK | 12 | 13 | 19.17 | 19.17 | 19.11 | | |
| 5 | QPSK | 25 | 0 | 19.16 | 19.14 | 19.07 | 20.3 | 0 |
| 5 | 16QAM | 1 | 0 | 19.24 | 19.22 | 19.24 | | |
| 5 | 16QAM | 1 | 12 | 19.23 | 19.13 | 19.28 | | |
| 5 | 16QAM | 1 | 24 | 19.28 | 19.14 | 19.28 | 20.3 | 0 |
| 5 | 16QAM | 12 | 0 | 19.16 | 19.10 | 19.11 | | |
| 5 | 16QAM | 12 | 7 | 19.18 | 19.15 | 19.11 | | |
| 5 | 16QAM | 12 | 13 | 19.18 | 19.20 | 19.12 | 20.3 | 0 |
| 5 | 16QAM | 25 | 0 | 19.17 | 19.16 | 19.08 | | |
| 5 | 64QAM | 1 | 0 | 19.22 | 19.13 | 19.12 | | |
| 5 | 64QAM | 1 | 12 | 19.15 | 19.25 | 19.19 | 20.3 | 0 |
| 5 | 64QAM | 1 | 24 | 19.23 | 19.30 | 19.14 | | |
| 5 | 64QAM | 12 | 0 | 19.20 | 19.17 | 19.15 | | |
| 5 | 64QAM | 12 | 7 | 19.23 | 19.23 | 19.16 | 20.3 | 0 |
| 5 | 64QAM | 12 | 13 | 19.25 | 19.24 | 19.17 | | |
| 5 | 64QAM | 25 | 0 | 19.19 | 19.17 | 19.10 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|-----|
| 5 | 256QAM | 1 | 0 | 17.71 | 17.76 | 17.83 | 18.8 | 1.5 |
| 5 | 256QAM | 1 | 12 | 17.72 | 17.58 | 17.69 | | |
| 5 | 256QAM | 1 | 24 | 17.73 | 17.74 | 17.71 | | |
| 5 | 256QAM | 12 | 0 | 17.66 | 17.83 | 17.74 | 18.8 | 1.5 |
| 5 | 256QAM | 12 | 7 | 17.71 | 17.44 | 17.79 | | |
| 5 | 256QAM | 12 | 13 | 17.78 | 17.76 | 17.78 | | |
| 5 | 256QAM | 25 | 0 | 17.64 | 17.76 | 17.76 | | |



<LTE Band 25>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26140 | 26340 | 26590 | 13.5 | 0 |
| Frequency (MHz) | | | | 1860 | 1880 | 1905 | | |
| 20 | QPSK | 1 | 0 | 12.91 | 13.03 | 13.02 | | |
| 20 | QPSK | 1 | 49 | 12.80 | 12.97 | 12.96 | 13.5 | 0 |
| 20 | QPSK | 1 | 99 | 12.89 | 12.70 | 12.88 | | |
| 20 | QPSK | 50 | 0 | 12.94 | 12.94 | 12.90 | | |
| 20 | QPSK | 50 | 24 | 12.96 | 12.97 | 12.95 | 13.5 | 0 |
| 20 | QPSK | 50 | 50 | 12.90 | 12.94 | 12.94 | | |
| 20 | QPSK | 100 | 0 | 13.00 | 13.01 | 12.86 | | |
| 20 | 16QAM | 1 | 0 | 12.86 | 12.67 | 12.96 | 13.5 | 0 |
| 20 | 16QAM | 1 | 49 | 12.89 | 12.98 | 12.97 | | |
| 20 | 16QAM | 1 | 99 | 12.89 | 12.89 | 12.91 | | |
| 20 | 16QAM | 50 | 0 | 12.86 | 13.00 | 12.98 | 13.5 | 0 |
| 20 | 16QAM | 50 | 24 | 12.91 | 12.81 | 12.92 | | |
| 20 | 16QAM | 50 | 50 | 12.97 | 12.91 | 13.00 | | |
| 20 | 16QAM | 100 | 0 | 12.86 | 12.94 | 12.85 | 13.5 | 0 |
| 20 | 64QAM | 1 | 0 | 12.68 | 13.01 | 12.90 | | |
| 20 | 64QAM | 1 | 49 | 12.80 | 12.99 | 12.90 | | |
| 20 | 64QAM | 1 | 99 | 12.71 | 12.80 | 12.85 | 13.5 | 0 |
| 20 | 64QAM | 50 | 0 | 12.60 | 12.74 | 12.67 | | |
| 20 | 64QAM | 50 | 24 | 12.67 | 12.94 | 12.66 | | |
| 20 | 64QAM | 50 | 50 | 12.56 | 12.79 | 12.72 | 13.5 | 0 |
| 20 | 64QAM | 100 | 0 | 12.55 | 12.71 | 12.61 | | |
| 20 | 256QAM | 1 | 0 | 12.78 | 12.92 | 12.90 | | |
| 20 | 256QAM | 1 | 49 | 12.80 | 12.90 | 12.87 | 13.5 | 0 |
| 20 | 256QAM | 1 | 99 | 12.91 | 12.88 | 12.83 | | |
| 20 | 256QAM | 50 | 0 | 12.76 | 12.87 | 12.91 | | |
| 20 | 256QAM | 50 | 24 | 12.73 | 12.91 | 12.91 | 13.5 | 0 |
| 20 | 256QAM | 50 | 50 | 12.75 | 12.87 | 12.91 | | |
| 20 | 256QAM | 100 | 0 | 12.86 | 12.85 | 12.85 | | |
| Channel | | | | 26115 | 26340 | 26615 | 13.5 | 0 |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1907.5 | | |
| 15 | QPSK | 1 | 0 | 12.37 | 12.61 | 12.62 | | |
| 15 | QPSK | 1 | 37 | 12.46 | 12.60 | 12.58 | 13.5 | 0 |
| 15 | QPSK | 1 | 74 | 12.32 | 12.63 | 12.60 | | |
| 15 | QPSK | 36 | 0 | 12.48 | 12.65 | 12.63 | | |
| 15 | QPSK | 36 | 20 | 12.61 | 12.80 | 12.76 | 13.5 | 0 |
| 15 | QPSK | 36 | 39 | 12.55 | 12.69 | 12.71 | | |
| 15 | QPSK | 75 | 0 | 12.57 | 12.72 | 12.59 | | |
| 15 | 16QAM | 1 | 0 | 12.61 | 12.96 | 12.91 | 13.5 | 0 |
| 15 | 16QAM | 1 | 37 | 12.85 | 12.93 | 12.89 | | |
| 15 | 16QAM | 1 | 74 | 12.69 | 12.98 | 12.91 | | |
| 15 | 16QAM | 36 | 0 | 12.46 | 12.58 | 12.54 | 13.5 | 0 |
| 15 | 16QAM | 36 | 20 | 12.61 | 12.75 | 12.71 | | |
| 15 | 16QAM | 36 | 39 | 12.57 | 12.68 | 12.64 | | |
| 15 | 16QAM | 75 | 0 | 12.55 | 12.71 | 12.66 | 13.5 | 0 |
| 15 | 64QAM | 1 | 0 | 12.45 | 12.85 | 12.82 | | |
| 15 | 64QAM | 1 | 37 | 12.75 | 12.87 | 12.79 | | |
| 15 | 64QAM | 1 | 74 | 12.62 | 12.82 | 12.77 | 13.5 | 0 |
| 15 | 64QAM | 36 | 0 | 12.49 | 12.62 | 12.54 | | |
| 15 | 64QAM | 36 | 20 | 12.63 | 12.77 | 12.70 | | |
| 15 | 64QAM | 36 | 39 | 12.60 | 12.74 | 12.73 | 13.5 | 0 |
| 15 | 64QAM | 75 | 0 | 12.57 | 12.70 | 12.66 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 12.37 | 12.56 | 12.50 | 13.5 | 0 |
| 15 | 256QAM | 1 | 37 | 12.29 | 12.61 | 12.60 | | |
| 15 | 256QAM | 1 | 74 | 12.33 | 12.46 | 12.54 | | |
| 15 | 256QAM | 36 | 0 | 12.19 | 12.58 | 12.42 | 13.5 | 0 |
| 15 | 256QAM | 36 | 20 | 12.33 | 12.45 | 12.50 | | |
| 15 | 256QAM | 36 | 39 | 12.22 | 12.47 | 12.62 | | |
| 15 | 256QAM | 75 | 0 | 12.30 | 12.47 | 12.60 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26090 | 26340 | 26640 | | |
| Frequency (MHz) | | | | 1855 | 1880 | 1910 | | |
| 10 | QPSK | 1 | 0 | 12.06 | 12.20 | 12.49 | 13.5 | 0 |
| 10 | QPSK | 1 | 25 | 12.25 | 12.41 | 12.51 | | |
| 10 | QPSK | 1 | 49 | 11.99 | 12.16 | 12.51 | | |
| 10 | QPSK | 25 | 0 | 12.20 | 12.40 | 12.45 | 13.5 | 0 |
| 10 | QPSK | 25 | 12 | 12.40 | 12.54 | 12.52 | | |
| 10 | QPSK | 25 | 25 | 12.31 | 12.49 | 12.57 | | |
| 10 | QPSK | 50 | 0 | 12.34 | 12.51 | 12.49 | 13.5 | 0 |
| 10 | 16QAM | 1 | 0 | 12.37 | 12.51 | 12.76 | | |
| 10 | 16QAM | 1 | 25 | 12.58 | 12.72 | 12.78 | | |
| 10 | 16QAM | 1 | 49 | 12.34 | 12.51 | 12.77 | 13.5 | 0 |
| 10 | 16QAM | 25 | 0 | 12.19 | 12.32 | 12.38 | | |
| 10 | 16QAM | 25 | 12 | 12.36 | 12.49 | 12.48 | | |
| 10 | 16QAM | 25 | 25 | 12.27 | 12.45 | 12.53 | 13.5 | 0 |
| 10 | 16QAM | 50 | 0 | 12.29 | 12.41 | 12.41 | | |
| 10 | 64QAM | 1 | 0 | 12.23 | 12.35 | 12.57 | | |
| 10 | 64QAM | 1 | 25 | 12.50 | 12.68 | 12.69 | 13.5 | 0 |
| 10 | 64QAM | 1 | 49 | 12.22 | 12.37 | 12.62 | | |
| 10 | 64QAM | 25 | 0 | 12.20 | 12.32 | 12.38 | | |
| 10 | 64QAM | 25 | 12 | 12.37 | 12.54 | 12.54 | 13.5 | 0 |
| 10 | 64QAM | 25 | 25 | 12.30 | 12.45 | 12.54 | | |
| 10 | 64QAM | 50 | 0 | 12.30 | 12.48 | 12.48 | | |
| 10 | 256QAM | 1 | 0 | 11.88 | 12.11 | 12.48 | 13.5 | 0 |
| 10 | 256QAM | 1 | 25 | 11.95 | 12.12 | 12.38 | | |
| 10 | 256QAM | 1 | 49 | 12.04 | 12.07 | 12.44 | | |
| 10 | 256QAM | 25 | 0 | 12.00 | 12.09 | 12.37 | 13.5 | 0 |
| 10 | 256QAM | 25 | 12 | 11.86 | 12.07 | 12.31 | | |
| 10 | 256QAM | 25 | 25 | 11.94 | 12.01 | 12.35 | | |
| 10 | 256QAM | 50 | 0 | 11.98 | 12.11 | 12.39 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26065 | 26340 | 26665 | | |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1912.5 | | |
| 5 | QPSK | 1 | 0 | 12.22 | 12.29 | 12.46 | 13.5 | 0 |
| 5 | QPSK | 1 | 12 | 12.31 | 12.47 | 12.52 | | |
| 5 | QPSK | 1 | 24 | 12.27 | 12.42 | 12.53 | | |
| 5 | QPSK | 12 | 0 | 12.35 | 12.46 | 12.49 | 13.5 | 0 |
| 5 | QPSK | 12 | 7 | 12.37 | 12.56 | 12.57 | | |
| 5 | QPSK | 12 | 13 | 12.39 | 12.52 | 12.58 | | |
| 5 | QPSK | 25 | 0 | 12.37 | 12.56 | 12.51 | 13.5 | 0 |
| 5 | 16QAM | 1 | 0 | 12.57 | 12.67 | 12.71 | | |
| 5 | 16QAM | 1 | 12 | 12.57 | 12.72 | 12.77 | | |
| 5 | 16QAM | 1 | 24 | 12.63 | 12.71 | 12.74 | 13.5 | 0 |
| 5 | 16QAM | 12 | 0 | 12.35 | 12.44 | 12.45 | | |
| 5 | 16QAM | 12 | 7 | 12.39 | 12.56 | 12.50 | | |
| 5 | 16QAM | 12 | 13 | 12.41 | 12.54 | 12.54 | 13.5 | 0 |
| 5 | 16QAM | 25 | 0 | 12.35 | 12.48 | 12.50 | | |
| 5 | 64QAM | 1 | 0 | 12.51 | 12.56 | 12.63 | | |
| 5 | 64QAM | 1 | 12 | 12.51 | 12.64 | 12.65 | 13.5 | 0 |
| 5 | 64QAM | 1 | 24 | 12.54 | 12.66 | 12.64 | | |



| | | | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|------|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 12.36 | 12.46 | 12.46 | 13.5 | 0 | | |
| 5 | 64QAM | 12 | 7 | 12.42 | 12.56 | 12.53 | | | | |
| 5 | 64QAM | 12 | 13 | 12.40 | 12.56 | 12.56 | | | | |
| 5 | 64QAM | 25 | 0 | 12.37 | 12.49 | 12.50 | 13.5 | 0 | | |
| 5 | 256QAM | 1 | 0 | 12.18 | 12.26 | 12.39 | | | | |
| 5 | 256QAM | 1 | 12 | 12.21 | 12.16 | 12.38 | | | | |
| 5 | 256QAM | 1 | 24 | 12.09 | 12.09 | 12.39 | 13.5 | 0 | | |
| 5 | 256QAM | 12 | 0 | 12.16 | 12.20 | 12.37 | | | | |
| 5 | 256QAM | 12 | 7 | 12.07 | 12.20 | 12.44 | | | | |
| 5 | 256QAM | 12 | 13 | 12.13 | 12.24 | 12.39 | 13.5 | 0 | | |
| 5 | 256QAM | 25 | 0 | 12.12 | 12.13 | 12.27 | | | | |
| Channel | | | | 26055 | 26340 | 26675 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1913.5 | | | | |
| 3 | QPSK | 1 | 0 | 12.27 | 12.35 | 12.46 | 13.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 12.35 | 12.53 | 12.58 | | | | |
| 3 | QPSK | 1 | 14 | 12.27 | 12.47 | 12.52 | | | | |
| 3 | QPSK | 8 | 0 | 12.39 | 12.49 | 12.62 | 13.5 | 0 | | |
| 3 | QPSK | 8 | 4 | 12.43 | 12.58 | 12.62 | | | | |
| 3 | QPSK | 8 | 7 | 12.35 | 12.55 | 12.59 | | | | |
| 3 | QPSK | 15 | 0 | 12.38 | 12.53 | 12.58 | 13.5 | 0 | | |
| 3 | 16QAM | 1 | 0 | 12.54 | 12.62 | 12.69 | | | | |
| 3 | 16QAM | 1 | 8 | 12.67 | 12.79 | 12.75 | | | | |
| 3 | 16QAM | 1 | 14 | 12.60 | 12.73 | 12.76 | 13.5 | 0 | | |
| 3 | 16QAM | 8 | 0 | 12.37 | 12.48 | 12.56 | | | | |
| 3 | 16QAM | 8 | 4 | 12.42 | 12.56 | 12.58 | | | | |
| 3 | 16QAM | 8 | 7 | 12.38 | 12.56 | 12.56 | 13.5 | 0 | | |
| 3 | 16QAM | 15 | 0 | 12.37 | 12.52 | 12.50 | | | | |
| 3 | 64QAM | 1 | 0 | 12.44 | 12.56 | 12.62 | | | | |
| 3 | 64QAM | 1 | 8 | 12.58 | 12.70 | 12.71 | 13.5 | 0 | | |
| 3 | 64QAM | 1 | 14 | 12.50 | 12.68 | 12.71 | | | | |
| 3 | 64QAM | 8 | 0 | 12.36 | 12.45 | 12.52 | | | | |
| 3 | 64QAM | 8 | 4 | 12.39 | 12.54 | 12.56 | 13.5 | 0 | | |
| 3 | 64QAM | 8 | 7 | 12.35 | 12.52 | 12.56 | | | | |
| 3 | 64QAM | 15 | 0 | 12.34 | 12.47 | 12.54 | | | | |
| 3 | 256QAM | 1 | 0 | 12.19 | 12.28 | 12.34 | 13.5 | 0 | | |
| 3 | 256QAM | 1 | 8 | 12.09 | 12.15 | 12.44 | | | | |
| 3 | 256QAM | 1 | 14 | 12.16 | 12.33 | 12.37 | | | | |
| 3 | 256QAM | 8 | 0 | 12.26 | 12.29 | 12.26 | 13.5 | 0 | | |
| 3 | 256QAM | 8 | 4 | 12.22 | 12.34 | 12.27 | | | | |
| 3 | 256QAM | 8 | 7 | 12.20 | 12.28 | 12.33 | | | | |
| 3 | 256QAM | 15 | 0 | 12.14 | 12.19 | 12.36 | 13.5 | 0 | | |
| Channel | | | | 26047 | 26340 | 26683 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1914.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 12.18 | 12.31 | 12.38 | 13.5 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 12.28 | 12.42 | 12.46 | | | | |
| 1.4 | QPSK | 1 | 5 | 12.23 | 12.33 | 12.43 | | | | |
| 1.4 | QPSK | 3 | 0 | 12.22 | 12.35 | 12.43 | 13.5 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 12.29 | 12.38 | 12.47 | | | | |
| 1.4 | QPSK | 3 | 3 | 12.26 | 12.35 | 12.45 | | | | |
| 1.4 | QPSK | 6 | 0 | 12.30 | 12.47 | 12.48 | 13.5 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 12.43 | 12.54 | 12.62 | 13.5 | 0 | | |
| 1.4 | 16QAM | 1 | 3 | 12.49 | 12.68 | 12.72 | | | | |
| 1.4 | 16QAM | 1 | 5 | 12.45 | 12.58 | 12.64 | | | | |
| 1.4 | 16QAM | 3 | 0 | 12.31 | 12.41 | 12.44 | 13.5 | 0 | | |
| 1.4 | 16QAM | 3 | 1 | 12.35 | 12.46 | 12.48 | | | | |
| 1.4 | 16QAM | 3 | 3 | 12.27 | 12.41 | 12.41 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 12.32 | 12.46 | 12.50 | 13.5 | 0 |
| 1.4 | 64QAM | 1 | 0 | 12.46 | 12.45 | 12.54 | 13.5 | 0 |
| 1.4 | 64QAM | 1 | 3 | 12.50 | 12.62 | 12.63 | | |
| 1.4 | 64QAM | 1 | 5 | 12.45 | 12.58 | 12.56 | | |
| 1.4 | 64QAM | 3 | 0 | 12.36 | 12.50 | 12.54 | | |
| 1.4 | 64QAM | 3 | 1 | 12.45 | 12.52 | 12.59 | | |
| 1.4 | 64QAM | 3 | 3 | 12.41 | 12.52 | 12.54 | | |
| 1.4 | 64QAM | 6 | 0 | 12.24 | 12.39 | 12.42 | 13.5 | 0 |
| 1.4 | 256QAM | 1 | 0 | 12.12 | 12.22 | 12.24 | 13.5 | 0 |
| 1.4 | 256QAM | 1 | 3 | 12.00 | 12.13 | 12.28 | | |
| 1.4 | 256QAM | 1 | 5 | 11.98 | 12.20 | 12.31 | | |
| 1.4 | 256QAM | 3 | 0 | 12.09 | 12.30 | 12.20 | | |
| 1.4 | 256QAM | 3 | 1 | 12.04 | 12.23 | 12.35 | | |
| 1.4 | 256QAM | 3 | 3 | 12.00 | 12.17 | 12.37 | | |
| 1.4 | 256QAM | 6 | 0 | 12.16 | 12.23 | 12.27 | 13.5 | 0 |



<LTE Band 26>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26765 | 26865 | 26965 | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | |
| 15 | QPSK | 1 | 0 | 19.68 | 19.76 | 19.67 | 20.8 | 0 |
| 15 | QPSK | 1 | 37 | 19.52 | 19.57 | 19.53 | | |
| 15 | QPSK | 1 | 74 | 19.56 | 19.51 | 19.41 | | |
| 15 | QPSK | 36 | 0 | 19.56 | 19.56 | 19.57 | 20.8 | 0 |
| 15 | QPSK | 36 | 20 | 19.59 | 19.68 | 19.55 | | |
| 15 | QPSK | 36 | 39 | 19.53 | 19.63 | 19.54 | | |
| 15 | QPSK | 75 | 0 | 19.50 | 19.56 | 19.45 | 20.8 | 0 |
| 15 | 16QAM | 1 | 0 | 19.60 | 19.32 | 19.62 | | |
| 15 | 16QAM | 1 | 37 | 19.56 | 19.73 | 19.65 | | |
| 15 | 16QAM | 1 | 74 | 19.53 | 19.67 | 19.59 | 20.8 | 0 |
| 15 | 16QAM | 36 | 0 | 19.36 | 19.34 | 19.30 | | |
| 15 | 16QAM | 36 | 20 | 19.55 | 19.51 | 19.50 | | |
| 15 | 16QAM | 36 | 39 | 19.52 | 19.48 | 19.35 | 20.8 | 0 |
| 15 | 16QAM | 75 | 0 | 19.46 | 19.27 | 19.28 | | |
| 15 | 64QAM | 1 | 0 | 19.46 | 19.47 | 19.45 | | |
| 15 | 64QAM | 1 | 37 | 19.48 | 19.54 | 19.53 | 20.8 | 0 |
| 15 | 64QAM | 1 | 74 | 19.49 | 19.58 | 19.53 | | |
| 15 | 64QAM | 36 | 0 | 19.39 | 19.39 | 19.40 | | |
| 15 | 64QAM | 36 | 20 | 19.44 | 19.37 | 19.47 | 20.8 | 0 |
| 15 | 64QAM | 36 | 39 | 19.42 | 19.37 | 19.37 | | |
| 15 | 64QAM | 75 | 0 | 19.37 | 19.27 | 19.40 | | |
| 15 | 256QAM | 1 | 0 | 17.65 | 17.73 | 17.67 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 17.67 | 17.68 | 17.68 | | |
| 15 | 256QAM | 1 | 74 | 17.57 | 17.65 | 17.61 | | |
| 15 | 256QAM | 36 | 0 | 17.66 | 17.71 | 17.65 | 18.8 | 2 |
| 15 | 256QAM | 36 | 20 | 17.75 | 17.66 | 17.68 | | |
| 15 | 256QAM | 36 | 39 | 17.65 | 17.72 | 17.67 | | |
| 15 | 256QAM | 75 | 0 | 17.66 | 17.73 | 17.70 | | |
| Channel | | | | 26740 | 26865 | 26990 | | |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 19.42 | 19.37 | 19.40 | 20.8 | 0 |
| 10 | QPSK | 1 | 25 | 19.45 | 19.29 | 19.31 | | |
| 10 | QPSK | 1 | 49 | 19.47 | 19.32 | 19.28 | | |
| 10 | QPSK | 25 | 0 | 19.35 | 19.28 | 19.29 | 20.8 | 0 |
| 10 | QPSK | 25 | 12 | 19.55 | 19.36 | 19.39 | | |
| 10 | QPSK | 25 | 25 | 19.48 | 19.37 | 19.34 | | |
| 10 | QPSK | 50 | 0 | 19.48 | 19.30 | 19.28 | 20.8 | 0 |
| 10 | 16QAM | 1 | 0 | 19.74 | 19.66 | 19.65 | | |
| 10 | 16QAM | 1 | 25 | 19.71 | 19.60 | 19.61 | | |
| 10 | 16QAM | 1 | 49 | 19.75 | 19.59 | 19.58 | 20.8 | 0 |
| 10 | 16QAM | 25 | 0 | 19.35 | 19.30 | 19.30 | | |
| 10 | 16QAM | 25 | 12 | 19.56 | 19.42 | 19.42 | | |
| 10 | 16QAM | 25 | 25 | 19.47 | 19.40 | 19.37 | 20.8 | 0 |
| 10 | 16QAM | 50 | 0 | 19.47 | 19.30 | 19.29 | | |
| 10 | 64QAM | 1 | 0 | 19.72 | 19.74 | 19.75 | | |
| 10 | 64QAM | 1 | 25 | 19.74 | 19.68 | 19.68 | 20.8 | 0 |
| 10 | 64QAM | 1 | 49 | 19.73 | 19.70 | 19.66 | | |
| 10 | 64QAM | 25 | 0 | 19.39 | 19.31 | 19.30 | | |
| 10 | 64QAM | 25 | 12 | 19.56 | 19.41 | 19.41 | 20.8 | 0 |
| 10 | 64QAM | 25 | 25 | 19.48 | 19.40 | 19.37 | | |
| 10 | 64QAM | 50 | 0 | 19.47 | 19.28 | 19.30 | | |



| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 10 | 256QAM | 1 | 0 | 17.62 | 17.70 | 17.63 | 18.8 | 2.0 |
| 10 | 256QAM | 1 | 25 | 17.73 | 17.70 | 17.65 | | |
| 10 | 256QAM | 1 | 49 | 17.67 | 17.72 | 17.62 | | |
| 10 | 256QAM | 25 | 0 | 17.59 | 17.76 | 17.69 | 18.8 | 2.0 |
| 10 | 256QAM | 25 | 12 | 17.70 | 17.73 | 17.66 | | |
| 10 | 256QAM | 25 | 25 | 17.65 | 17.65 | 17.68 | | |
| 10 | 256QAM | 50 | 0 | 17.71 | 17.77 | 17.67 | | |
| Channel | | | | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 816.5 | 831.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 19.39 | 19.32 | 19.29 | 20.8 | 0 |
| 5 | QPSK | 1 | 12 | 19.47 | 19.34 | 19.37 | | |
| 5 | QPSK | 1 | 24 | 19.40 | 19.39 | 19.31 | | |
| 5 | QPSK | 12 | 0 | 19.52 | 19.35 | 19.35 | 20.8 | 0 |
| 5 | QPSK | 12 | 7 | 19.59 | 19.48 | 19.38 | | |
| 5 | QPSK | 12 | 13 | 19.56 | 19.42 | 19.41 | | |
| 5 | QPSK | 25 | 0 | 19.51 | 19.33 | 19.36 | | |
| 5 | 16QAM | 1 | 0 | 19.72 | 19.57 | 19.67 | 20.8 | 0 |
| 5 | 16QAM | 1 | 12 | 19.71 | 19.61 | 19.74 | | |
| 5 | 16QAM | 1 | 24 | 19.72 | 19.73 | 19.68 | | |
| 5 | 16QAM | 12 | 0 | 19.57 | 19.41 | 19.40 | 20.8 | 0 |
| 5 | 16QAM | 12 | 7 | 19.58 | 19.51 | 19.44 | | |
| 5 | 16QAM | 12 | 13 | 19.56 | 19.44 | 19.45 | | |
| 5 | 16QAM | 25 | 0 | 19.56 | 19.38 | 19.35 | | |
| 5 | 64QAM | 1 | 0 | 19.67 | 19.55 | 19.55 | 20.8 | 0 |
| 5 | 64QAM | 1 | 12 | 19.68 | 19.56 | 19.60 | | |
| 5 | 64QAM | 1 | 24 | 19.67 | 19.61 | 19.59 | | |
| 5 | 64QAM | 12 | 0 | 19.51 | 19.36 | 19.37 | 20.8 | 0 |
| 5 | 64QAM | 12 | 7 | 19.57 | 19.48 | 19.40 | | |
| 5 | 64QAM | 12 | 13 | 19.55 | 19.47 | 19.43 | | |
| 5 | 64QAM | 25 | 0 | 19.58 | 19.41 | 19.37 | | |
| 5 | 256QAM | 1 | 0 | 17.59 | 17.72 | 17.68 | 18.8 | 2.0 |
| 5 | 256QAM | 1 | 12 | 17.68 | 17.74 | 17.64 | | |
| 5 | 256QAM | 1 | 24 | 17.59 | 17.73 | 17.66 | | |
| 5 | 256QAM | 12 | 0 | 17.65 | 17.68 | 17.66 | 18.8 | 2.0 |
| 5 | 256QAM | 12 | 7 | 17.76 | 17.74 | 17.69 | | |
| 5 | 256QAM | 12 | 13 | 17.57 | 17.68 | 17.68 | | |
| 5 | 256QAM | 25 | 0 | 17.73 | 17.72 | 17.71 | | |
| Channel | | | | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 815.5 | 831.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 19.49 | 19.32 | 19.39 | 20.8 | 0 |
| 3 | QPSK | 1 | 8 | 19.53 | 19.42 | 19.41 | | |
| 3 | QPSK | 1 | 14 | 19.50 | 19.36 | 19.33 | | |
| 3 | QPSK | 8 | 0 | 19.51 | 19.38 | 19.40 | 20.8 | 0 |
| 3 | QPSK | 8 | 4 | 19.58 | 19.48 | 19.43 | | |
| 3 | QPSK | 8 | 7 | 19.53 | 19.47 | 19.43 | | |
| 3 | QPSK | 15 | 0 | 19.54 | 19.40 | 19.43 | | |
| 3 | 16QAM | 1 | 0 | 19.56 | 19.62 | 19.67 | 20.8 | 0 |
| 3 | 16QAM | 1 | 8 | 19.73 | 19.71 | 19.70 | | |
| 3 | 16QAM | 1 | 14 | 19.72 | 19.66 | 19.67 | | |
| 3 | 16QAM | 8 | 0 | 19.62 | 19.45 | 19.50 | 20.8 | 0 |
| 3 | 16QAM | 8 | 4 | 19.68 | 19.57 | 19.49 | | |
| 3 | 16QAM | 8 | 7 | 19.63 | 19.53 | 19.48 | | |
| 3 | 16QAM | 15 | 0 | 19.59 | 19.42 | 19.45 | | |
| 3 | 64QAM | 1 | 0 | 19.75 | 19.57 | 19.61 | 20.8 | 0 |
| 3 | 64QAM | 1 | 8 | 19.70 | 19.69 | 19.66 | | |
| 3 | 64QAM | 1 | 14 | 19.72 | 19.63 | 19.59 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|------------------------|-------------|
| 3 | 64QAM | 8 | 0 | 19.64 | 19.47 | 19.50 | 20.8 | 0 |
| 3 | 64QAM | 8 | 4 | 19.66 | 19.57 | 19.50 | | |
| 3 | 64QAM | 8 | 7 | 19.64 | 19.54 | 19.47 | | |
| 3 | 64QAM | 15 | 0 | 19.60 | 19.44 | 19.43 | | |
| 3 | 256QAM | 1 | 0 | 17.59 | 17.75 | 17.58 | 18.8 | 2.0 |
| 3 | 256QAM | 1 | 8 | 17.68 | 17.71 | 17.70 | | |
| 3 | 256QAM | 1 | 14 | 17.57 | 17.69 | 17.71 | | |
| 3 | 256QAM | 8 | 0 | 17.57 | 17.66 | 17.68 | 18.8 | 2.0 |
| 3 | 256QAM | 8 | 4 | 17.73 | 17.66 | 17.75 | | |
| 3 | 256QAM | 8 | 7 | 17.58 | 17.63 | 17.61 | | |
| 3 | 256QAM | 15 | 0 | 17.65 | 17.74 | 17.71 | | |
| Channel | | | | 26697 | 26865 | 27033 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 814.7 | 831.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 19.36 | 19.21 | 19.23 | 20.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 19.49 | 19.36 | 19.28 | | |
| 1.4 | QPSK | 1 | 5 | 19.39 | 19.27 | 19.22 | | |
| 1.4 | QPSK | 3 | 0 | 19.44 | 19.26 | 19.23 | | |
| 1.4 | QPSK | 3 | 1 | 19.49 | 19.29 | 19.28 | | |
| 1.4 | QPSK | 3 | 3 | 19.46 | 19.29 | 19.26 | | |
| 1.4 | QPSK | 6 | 0 | 19.52 | 19.32 | 19.34 | 20.8 | 0 |
| 1.4 | 16QAM | 1 | 0 | 19.72 | 19.54 | 19.55 | 20.8 | 0 |
| 1.4 | 16QAM | 1 | 3 | 19.73 | 19.68 | 19.63 | | |
| 1.4 | 16QAM | 1 | 5 | 19.70 | 19.60 | 19.53 | | |
| 1.4 | 16QAM | 3 | 0 | 19.58 | 19.32 | 19.36 | | |
| 1.4 | 16QAM | 3 | 1 | 19.63 | 19.37 | 19.43 | | |
| 1.4 | 16QAM | 3 | 3 | 19.56 | 19.38 | 19.32 | | |
| 1.4 | 16QAM | 6 | 0 | 19.60 | 19.39 | 19.41 | 20.8 | 0 |
| 1.4 | 64QAM | 1 | 0 | 19.71 | 19.52 | 19.49 | 20.8 | 0 |
| 1.4 | 64QAM | 1 | 3 | 19.75 | 19.59 | 19.57 | | |
| 1.4 | 64QAM | 1 | 5 | 19.72 | 19.53 | 19.47 | | |
| 1.4 | 64QAM | 3 | 0 | 19.68 | 19.47 | 19.49 | | |
| 1.4 | 64QAM | 3 | 1 | 19.74 | 19.53 | 19.53 | | |
| 1.4 | 64QAM | 3 | 3 | 19.66 | 19.55 | 19.47 | | |
| 1.4 | 64QAM | 6 | 0 | 19.54 | 19.36 | 19.36 | 20.8 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.67 | 17.75 | 17.60 | 18.8 | 2.0 |
| 1.4 | 256QAM | 1 | 3 | 17.68 | 17.75 | 17.63 | | |
| 1.4 | 256QAM | 1 | 5 | 17.60 | 17.69 | 17.66 | | |
| 1.4 | 256QAM | 3 | 0 | 17.62 | 17.74 | 17.68 | | |
| 1.4 | 256QAM | 3 | 1 | 17.68 | 17.68 | 17.70 | | |
| 1.4 | 256QAM | 3 | 3 | 17.56 | 17.71 | 17.66 | | |
| 1.4 | 256QAM | 6 | 0 | 17.68 | 17.79 | 17.68 | 18.8 | 2.0 |



<LTE Band 30>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 27710 | | | | |
| Frequency (MHz) | | | | 2310 | | | | |
| 10 | QPSK | 1 | 0 | | 13.22 | | 13.8 | 0 |
| 10 | QPSK | 1 | 25 | | 12.96 | | | |
| 10 | QPSK | 1 | 49 | | 13.05 | | | |
| 10 | QPSK | 25 | 0 | | 13.11 | | 13.8 | 0 |
| 10 | QPSK | 25 | 12 | | 13.17 | | | |
| 10 | QPSK | 25 | 25 | | 13.01 | | | |
| 10 | QPSK | 50 | 0 | | 13.20 | | 13.8 | 0 |
| 10 | 16QAM | 1 | 0 | | 13.11 | | | |
| 10 | 16QAM | 1 | 25 | | 13.02 | | | |
| 10 | 16QAM | 1 | 49 | | 13.10 | | 13.8 | 0 |
| 10 | 16QAM | 25 | 0 | | 13.10 | | | |
| 10 | 16QAM | 25 | 12 | | 13.05 | | | |
| 10 | 16QAM | 25 | 25 | | 12.95 | | 13.8 | 0 |
| 10 | 16QAM | 50 | 0 | | 13.09 | | | |
| 10 | 64QAM | 1 | 0 | | 12.83 | | | |
| 10 | 64QAM | 1 | 25 | | 12.91 | | 13.8 | 0 |
| 10 | 64QAM | 1 | 49 | | 12.79 | | | |
| 10 | 64QAM | 25 | 0 | | 12.67 | | | |
| 10 | 64QAM | 25 | 12 | | 12.77 | | 13.8 | 0 |
| 10 | 64QAM | 25 | 25 | | 12.64 | | | |
| 10 | 64QAM | 50 | 0 | | 12.66 | | | |
| 10 | 256QAM | 1 | 0 | | 12.83 | | 13.8 | 0 |
| 10 | 256QAM | 1 | 25 | | 12.78 | | | |
| 10 | 256QAM | 1 | 49 | | 12.80 | | | |
| 10 | 256QAM | 25 | 0 | | 12.63 | | 13.8 | 0 |
| 10 | 256QAM | 25 | 12 | | 12.82 | | | |
| 10 | 256QAM | 25 | 25 | | 12.73 | | | |
| 10 | 256QAM | 50 | 0 | | 12.77 | | | |
| Channel | | | | 27685 | 27710 | 27735 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | | |
| 5 | QPSK | 1 | 0 | 12.84 | 12.79 | 12.87 | 13.8 | 0 |
| 5 | QPSK | 1 | 12 | 12.90 | 12.94 | 12.89 | | |
| 5 | QPSK | 1 | 24 | 12.84 | 12.78 | 12.81 | | |
| 5 | QPSK | 12 | 0 | 12.98 | 12.94 | 12.99 | 13.8 | 0 |
| 5 | QPSK | 12 | 7 | 13.03 | 12.99 | 13.03 | | |
| 5 | QPSK | 12 | 13 | 12.98 | 12.91 | 12.93 | | |
| 5 | QPSK | 25 | 0 | 12.98 | 12.93 | 12.97 | 13.8 | 0 |
| 5 | 16QAM | 1 | 0 | 13.09 | 12.96 | 13.01 | | |
| 5 | 16QAM | 1 | 12 | 13.10 | 13.09 | 13.06 | | |
| 5 | 16QAM | 1 | 24 | 13.07 | 12.98 | 13.02 | 13.8 | 0 |
| 5 | 16QAM | 12 | 0 | 12.87 | 12.81 | 12.87 | | |
| 5 | 16QAM | 12 | 7 | 12.93 | 12.88 | 12.89 | | |
| 5 | 16QAM | 12 | 13 | 12.86 | 12.83 | 12.84 | 13.8 | 0 |
| 5 | 16QAM | 25 | 0 | 12.84 | 12.80 | 12.84 | | |
| 5 | 64QAM | 1 | 0 | 12.94 | 12.90 | 12.90 | | |
| 5 | 64QAM | 1 | 12 | 13.01 | 13.02 | 12.99 | 13.8 | 0 |
| 5 | 64QAM | 1 | 24 | 12.95 | 12.89 | 12.89 | | |
| 5 | 64QAM | 12 | 0 | 12.86 | 12.79 | 12.83 | | |
| 5 | 64QAM | 12 | 7 | 12.89 | 12.85 | 12.88 | 13.8 | 0 |
| 5 | 64QAM | 12 | 13 | 12.83 | 12.81 | 12.81 | | |
| 5 | 64QAM | 25 | 0 | 12.87 | 12.79 | 12.81 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|----|--------|----|----|-------|-------|-------|------|---|
| 15 | 256QAM | 1 | 0 | 12.76 | 12.67 | 12.77 | 13.8 | 0 |
| 5 | 256QAM | 1 | 12 | 12.65 | 12.62 | 12.67 | | |
| 5 | 256QAM | 1 | 24 | 12.72 | 12.73 | 12.67 | | |
| 5 | 256QAM | 12 | 0 | 12.72 | 12.79 | 12.75 | 13.8 | 0 |
| 5 | 256QAM | 12 | 7 | 12.78 | 12.62 | 12.84 | | |
| 5 | 256QAM | 12 | 13 | 12.81 | 12.67 | 12.74 | | |
| 5 | 256QAM | 25 | 0 | 12.76 | 12.74 | 12.73 | | |



<LTE Band 66>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 132072 | 132322 | 132572 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | QPSK | 1 | 0 | 11.98 | 12.04 | 12.02 | 13 | 0 |
| 20 | QPSK | 1 | 49 | 12.01 | 12.00 | 12.02 | | |
| 20 | QPSK | 1 | 99 | 11.71 | 11.87 | 11.68 | | |
| 20 | QPSK | 50 | 0 | 11.75 | 12.01 | 11.91 | 13 | 0 |
| 20 | QPSK | 50 | 24 | 11.97 | 12.02 | 11.99 | | |
| 20 | QPSK | 50 | 50 | 11.75 | 12.01 | 11.81 | | |
| 20 | QPSK | 100 | 0 | 11.85 | 11.93 | 11.81 | 13 | 0 |
| 20 | 16QAM | 1 | 0 | 12.00 | 12.01 | 12.03 | | |
| 20 | 16QAM | 1 | 49 | 12.02 | 12.01 | 12.02 | | |
| 20 | 16QAM | 1 | 99 | 11.99 | 12.01 | 12.00 | 13 | 0 |
| 20 | 16QAM | 50 | 0 | 11.94 | 11.94 | 11.82 | | |
| 20 | 16QAM | 50 | 24 | 11.80 | 11.97 | 11.90 | | |
| 20 | 16QAM | 50 | 50 | 11.69 | 11.80 | 11.98 | 13 | 0 |
| 20 | 16QAM | 100 | 0 | 11.72 | 11.70 | 11.99 | | |
| 20 | 64QAM | 1 | 0 | 11.57 | 11.79 | 11.98 | | |
| 20 | 64QAM | 1 | 49 | 11.88 | 11.98 | 11.90 | 13 | 0 |
| 20 | 64QAM | 1 | 99 | 11.61 | 11.82 | 11.80 | | |
| 20 | 64QAM | 50 | 0 | 11.67 | 11.90 | 11.77 | | |
| 20 | 64QAM | 50 | 24 | 11.77 | 11.91 | 11.88 | 13 | 0 |
| 20 | 64QAM | 50 | 50 | 11.67 | 11.83 | 11.78 | | |
| 20 | 64QAM | 100 | 0 | 11.71 | 11.84 | 11.79 | | |
| 20 | 256QAM | 1 | 0 | 11.85 | 11.88 | 11.98 | 13 | 0 |
| 20 | 256QAM | 1 | 49 | 11.79 | 11.86 | 11.93 | | |
| 20 | 256QAM | 1 | 99 | 11.80 | 11.91 | 11.94 | | |
| 20 | 256QAM | 50 | 0 | 11.86 | 11.93 | 11.93 | 13 | 0 |
| 20 | 256QAM | 50 | 24 | 11.94 | 11.97 | 11.97 | | |
| 20 | 256QAM | 50 | 50 | 11.90 | 11.85 | 11.91 | | |
| 20 | 256QAM | 100 | 0 | 11.95 | 11.89 | 11.92 | | |
| Channel | | | | 132047 | 132322 | 132597 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK | 1 | 0 | 11.79 | 11.80 | 11.86 | 13 | 0 |
| 15 | QPSK | 1 | 37 | 11.86 | 11.85 | 11.80 | | |
| 15 | QPSK | 1 | 74 | 11.73 | 11.99 | 11.76 | | |
| 15 | QPSK | 36 | 0 | 11.94 | 11.85 | 11.90 | 13 | 0 |
| 15 | QPSK | 36 | 20 | 11.85 | 11.94 | 11.89 | | |
| 15 | QPSK | 36 | 39 | 11.96 | 11.91 | 11.84 | | |
| 15 | QPSK | 75 | 0 | 11.98 | 11.89 | 11.83 | 13 | 0 |
| 15 | 16QAM | 1 | 0 | 11.88 | 11.96 | 11.89 | | |
| 15 | 16QAM | 1 | 37 | 11.86 | 11.88 | 11.86 | | |
| 15 | 16QAM | 1 | 74 | 11.90 | 12.03 | 12.01 | 13 | 0 |
| 15 | 16QAM | 36 | 0 | 11.96 | 11.99 | 11.94 | | |
| 15 | 16QAM | 36 | 20 | 12.03 | 11.93 | 11.88 | | |
| 15 | 16QAM | 36 | 39 | 11.96 | 11.90 | 11.82 | 13 | 0 |
| 15 | 16QAM | 75 | 0 | 12.00 | 11.89 | 11.85 | | |
| 15 | 64QAM | 1 | 0 | 11.92 | 11.90 | 12.02 | | |
| 15 | 64QAM | 1 | 37 | 11.87 | 12.02 | 11.94 | 13 | 0 |
| 15 | 64QAM | 1 | 74 | 11.87 | 11.87 | 11.91 | | |
| 15 | 64QAM | 36 | 0 | 11.92 | 11.86 | 11.89 | | |
| 15 | 64QAM | 36 | 20 | 11.97 | 11.92 | 11.95 | 13 | 0 |
| 15 | 64QAM | 36 | 39 | 11.89 | 11.83 | 11.85 | | |
| 15 | 64QAM | 75 | 0 | 11.92 | 11.86 | 11.86 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 11.75 | 11.73 | 11.68 | 13 | 0 |
| 15 | 256QAM | 1 | 37 | 11.60 | 11.66 | 11.77 | | |
| 15 | 256QAM | 1 | 74 | 11.69 | 11.76 | 11.66 | | |
| 15 | 256QAM | 36 | 0 | 11.74 | 11.65 | 11.75 | 13 | 0 |
| 15 | 256QAM | 36 | 20 | 11.59 | 11.60 | 11.67 | | |
| 15 | 256QAM | 36 | 39 | 11.60 | 11.70 | 11.68 | | |
| 15 | 256QAM | 75 | 0 | 11.62 | 11.65 | 11.70 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 132022 | 132322 | 132622 | | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 11.51 | 11.68 | 11.33 | 13 | 0 |
| 10 | QPSK | 1 | 25 | 11.65 | 11.75 | 11.51 | | |
| 10 | QPSK | 1 | 49 | 11.42 | 11.69 | 11.33 | | |
| 10 | QPSK | 25 | 0 | 11.67 | 11.76 | 11.50 | 13 | 0 |
| 10 | QPSK | 25 | 12 | 11.77 | 11.80 | 11.55 | | |
| 10 | QPSK | 25 | 25 | 11.73 | 11.85 | 11.50 | | |
| 10 | QPSK | 50 | 0 | 11.76 | 11.96 | 11.49 | 13 | 0 |
| 10 | 16QAM | 1 | 0 | 11.86 | 11.82 | 11.73 | | |
| 10 | 16QAM | 1 | 25 | 12.03 | 11.95 | 11.86 | | |
| 10 | 16QAM | 1 | 49 | 11.79 | 11.82 | 11.61 | 13 | 0 |
| 10 | 16QAM | 25 | 0 | 11.65 | 11.94 | 11.52 | | |
| 10 | 16QAM | 25 | 12 | 11.80 | 12.02 | 11.55 | | |
| 10 | 16QAM | 25 | 25 | 11.75 | 12.02 | 11.55 | 13 | 0 |
| 10 | 16QAM | 50 | 0 | 11.72 | 11.93 | 11.48 | | |
| 10 | 64QAM | 1 | 0 | 11.53 | 11.76 | 11.44 | | |
| 10 | 64QAM | 1 | 25 | 11.85 | 11.81 | 11.77 | 13 | 0 |
| 10 | 64QAM | 1 | 49 | 11.60 | 11.90 | 11.52 | | |
| 10 | 64QAM | 25 | 0 | 11.60 | 11.85 | 11.50 | | |
| 10 | 64QAM | 25 | 12 | 11.76 | 11.92 | 11.64 | 13 | 0 |
| 10 | 64QAM | 25 | 25 | 11.66 | 11.89 | 11.51 | | |
| 10 | 64QAM | 50 | 0 | 11.67 | 11.84 | 11.47 | | |
| 10 | 256QAM | 1 | 0 | 11.49 | 11.51 | 11.17 | 13 | 0 |
| 10 | 256QAM | 1 | 25 | 11.37 | 11.53 | 11.25 | | |
| 10 | 256QAM | 1 | 49 | 11.47 | 11.51 | 11.18 | | |
| 10 | 256QAM | 25 | 0 | 11.45 | 11.59 | 11.15 | 13 | 0 |
| 10 | 256QAM | 25 | 12 | 11.34 | 11.62 | 11.29 | | |
| 10 | 256QAM | 25 | 25 | 11.50 | 11.59 | 11.17 | | |
| 10 | 256QAM | 50 | 0 | 11.33 | 11.55 | 11.29 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 131997 | 132322 | 132647 | | |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 11.64 | 11.80 | 11.43 | 13 | 0 |
| 5 | QPSK | 1 | 12 | 11.71 | 11.85 | 11.57 | | |
| 5 | QPSK | 1 | 24 | 11.65 | 11.77 | 11.48 | | |
| 5 | QPSK | 12 | 0 | 11.73 | 11.83 | 11.55 | 13 | 0 |
| 5 | QPSK | 12 | 7 | 11.84 | 11.87 | 11.68 | | |
| 5 | QPSK | 12 | 13 | 11.80 | 11.79 | 11.60 | | |
| 5 | QPSK | 25 | 0 | 11.77 | 12.03 | 11.57 | 13 | 0 |
| 5 | 16QAM | 1 | 0 | 12.02 | 11.98 | 11.85 | | |
| 5 | 16QAM | 1 | 12 | 12.02 | 11.99 | 11.94 | | |
| 5 | 16QAM | 1 | 24 | 11.97 | 11.92 | 11.83 | 13 | 0 |
| 5 | 16QAM | 12 | 0 | 11.75 | 11.89 | 11.58 | | |
| 5 | 16QAM | 12 | 7 | 11.83 | 11.79 | 11.68 | | |
| 5 | 16QAM | 12 | 13 | 11.78 | 11.81 | 11.64 | 13 | 0 |
| 5 | 16QAM | 25 | 0 | 11.76 | 12.03 | 11.58 | | |
| 5 | 64QAM | 1 | 0 | 11.85 | 11.82 | 11.77 | | |
| 5 | 64QAM | 1 | 12 | 11.84 | 11.83 | 11.79 | 13 | 0 |
| 5 | 64QAM | 1 | 24 | 11.77 | 11.79 | 11.70 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|----|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 11.81 | 12.01 | 11.70 | 13 | 0 | | |
| 5 | 64QAM | 12 | 7 | 11.80 | 11.86 | 11.64 | | | | |
| 5 | 64QAM | 12 | 13 | 11.74 | 11.97 | 11.64 | | | | |
| 5 | 64QAM | 25 | 0 | 11.73 | 11.94 | 11.57 | 13 | 0 | | |
| 5 | 256QAM | 1 | 0 | 11.64 | 11.63 | 11.34 | | | | |
| 5 | 256QAM | 1 | 12 | 11.53 | 11.68 | 11.42 | | | | |
| 5 | 256QAM | 1 | 24 | 11.56 | 11.69 | 11.34 | 13 | 0 | | |
| 5 | 256QAM | 12 | 0 | 11.46 | 11.78 | 11.33 | | | | |
| 5 | 256QAM | 12 | 7 | 11.50 | 11.62 | 11.38 | | | | |
| 5 | 256QAM | 12 | 13 | 11.50 | 11.78 | 11.37 | 13 | 0 | | |
| 5 | 256QAM | 25 | 0 | 11.47 | 11.74 | 11.37 | | | | |
| Channel | | | | 131987 | 132322 | 132657 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | | | |
| 3 | QPSK | 1 | 0 | 11.63 | 11.90 | 11.46 | 13 | 0 | | |
| 3 | QPSK | 1 | 8 | 11.76 | 11.87 | 11.59 | | | | |
| 3 | QPSK | 1 | 14 | 11.70 | 11.81 | 11.51 | | | | |
| 3 | QPSK | 8 | 0 | 11.73 | 12.01 | 11.55 | 13 | 0 | | |
| 3 | QPSK | 8 | 4 | 11.80 | 12.01 | 11.59 | | | | |
| 3 | QPSK | 8 | 7 | 11.76 | 11.78 | 11.58 | | | | |
| 3 | QPSK | 15 | 0 | 11.73 | 12.02 | 11.58 | 13 | 0 | | |
| 3 | 16QAM | 1 | 0 | 11.95 | 11.87 | 11.82 | | | | |
| 3 | 16QAM | 1 | 8 | 12.03 | 11.92 | 11.95 | | | | |
| 3 | 16QAM | 1 | 14 | 12.03 | 11.92 | 11.85 | 13 | 0 | | |
| 3 | 16QAM | 8 | 0 | 11.78 | 11.79 | 11.65 | | | | |
| 3 | 16QAM | 8 | 4 | 11.85 | 11.83 | 11.69 | | | | |
| 3 | 16QAM | 8 | 7 | 11.79 | 11.77 | 11.70 | 13 | 0 | | |
| 3 | 16QAM | 15 | 0 | 11.75 | 12.00 | 11.61 | | | | |
| 3 | 64QAM | 1 | 0 | 11.90 | 11.82 | 11.79 | | | | |
| 3 | 64QAM | 1 | 8 | 11.88 | 11.90 | 11.83 | 13 | 0 | | |
| 3 | 64QAM | 1 | 14 | 11.78 | 11.76 | 11.72 | | | | |
| 3 | 64QAM | 8 | 0 | 11.79 | 11.99 | 11.67 | | | | |
| 3 | 64QAM | 8 | 4 | 11.77 | 12.03 | 11.69 | 13 | 0 | | |
| 3 | 64QAM | 8 | 7 | 11.70 | 11.97 | 11.59 | | | | |
| 3 | 64QAM | 15 | 0 | 11.72 | 11.94 | 11.61 | | | | |
| 3 | 256QAM | 1 | 0 | 11.59 | 11.90 | 11.44 | 13 | 0 | | |
| 3 | 256QAM | 1 | 8 | 11.54 | 11.70 | 11.40 | | | | |
| 3 | 256QAM | 1 | 14 | 11.45 | 11.89 | 11.31 | | | | |
| 3 | 256QAM | 8 | 0 | 11.52 | 11.71 | 11.37 | 13 | 0 | | |
| 3 | 256QAM | 8 | 4 | 11.43 | 11.82 | 11.37 | | | | |
| 3 | 256QAM | 8 | 7 | 11.59 | 11.86 | 11.45 | | | | |
| 3 | 256QAM | 15 | 0 | 11.59 | 11.77 | 11.33 | 13 | 0 | | |
| Channel | | | | 131979 | 132322 | 132665 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 11.54 | 11.81 | 11.42 | 13 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 11.65 | 11.88 | 11.49 | | | | |
| 1.4 | QPSK | 1 | 5 | 11.59 | 11.80 | 11.43 | | | | |
| 1.4 | QPSK | 3 | 0 | 11.61 | 11.83 | 11.45 | 13 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 11.65 | 11.87 | 11.51 | | | | |
| 1.4 | QPSK | 3 | 3 | 11.63 | 11.83 | 11.49 | | | | |
| 1.4 | QPSK | 6 | 0 | 11.65 | 11.63 | 11.50 | 13 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 11.87 | 11.82 | 11.75 | 13 | 0 | | |
| 1.4 | 16QAM | 1 | 3 | 11.98 | 11.95 | 11.88 | | | | |
| 1.4 | 16QAM | 1 | 5 | 11.90 | 11.94 | 11.81 | | | | |
| 1.4 | 16QAM | 3 | 0 | 11.69 | 11.87 | 11.55 | 13 | 0 | | |
| 1.4 | 16QAM | 3 | 1 | 11.75 | 11.80 | 11.62 | | | | |
| 1.4 | 16QAM | 3 | 3 | 11.68 | 11.77 | 11.58 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 6 | 0 | 11.74 | 11.80 | 11.59 | 13 | 0 |
| 1.4 | 64QAM | 1 | 0 | 11.79 | 11.78 | 11.73 | 13 | 0 |
| 1.4 | 64QAM | 1 | 3 | 11.84 | 11.83 | 11.74 | | |
| 1.4 | 64QAM | 1 | 5 | 11.71 | 12.00 | 11.63 | | |
| 1.4 | 64QAM | 3 | 0 | 11.76 | 12.03 | 11.67 | | |
| 1.4 | 64QAM | 3 | 1 | 11.80 | 12.02 | 11.71 | | |
| 1.4 | 64QAM | 3 | 3 | 11.69 | 11.99 | 11.63 | | |
| 1.4 | 64QAM | 6 | 0 | 11.64 | 11.88 | 11.56 | 13 | 0 |
| 1.4 | 256QAM | 1 | 0 | 11.54 | 11.66 | 11.23 | 13 | 0 |
| 1.4 | 256QAM | 1 | 3 | 11.45 | 11.66 | 11.41 | | |
| 1.4 | 256QAM | 1 | 5 | 11.51 | 11.66 | 11.26 | | |
| 1.4 | 256QAM | 3 | 0 | 11.34 | 11.74 | 11.35 | | |
| 1.4 | 256QAM | 3 | 1 | 11.48 | 11.76 | 11.36 | | |
| 1.4 | 256QAM | 3 | 3 | 11.40 | 11.79 | 11.24 | | |
| 1.4 | 256QAM | 6 | 0 | 11.46 | 11.63 | 11.24 | 13 | 0 |



<LTE Band 71>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 133222 | 133322 | 133372 | | |
| Frequency (MHz) | | | | 673 | 683 | 688 | | |
| 20 | QPSK | 1 | 0 | 20.51 | 20.58 | 20.49 | 20.8 | 0 |
| 20 | QPSK | 1 | 49 | 20.44 | 20.47 | 20.30 | | |
| 20 | QPSK | 1 | 99 | 20.23 | 20.29 | 20.31 | | |
| 20 | QPSK | 50 | 0 | 19.99 | 20.00 | 19.93 | 20.8 | 0 |
| 20 | QPSK | 50 | 24 | 20.13 | 20.34 | 20.05 | | |
| 20 | QPSK | 50 | 50 | 20.01 | 20.01 | 19.93 | | |
| 20 | QPSK | 100 | 0 | 19.86 | 19.95 | 19.82 | 20.8 | 0 |
| 20 | 16QAM | 1 | 0 | 20.46 | 20.50 | 20.45 | | |
| 20 | 16QAM | 1 | 49 | 20.36 | 20.23 | 20.32 | | |
| 20 | 16QAM | 1 | 99 | 20.22 | 20.31 | 20.12 | 20.8 | 0 |
| 20 | 16QAM | 50 | 0 | 20.07 | 20.11 | 19.97 | | |
| 20 | 16QAM | 50 | 24 | 20.08 | 20.02 | 20.05 | | |
| 20 | 16QAM | 50 | 50 | 20.07 | 20.04 | 20.07 | 20.8 | 0 |
| 20 | 16QAM | 100 | 0 | 20.03 | 20.05 | 20.00 | | |
| 20 | 64QAM | 1 | 0 | 20.05 | 20.21 | 20.21 | | |
| 20 | 64QAM | 1 | 49 | 20.19 | 20.18 | 20.15 | 20.8 | 0 |
| 20 | 64QAM | 1 | 99 | 20.25 | 20.05 | 20.13 | | |
| 20 | 64QAM | 50 | 0 | 20.12 | 20.14 | 20.02 | | |
| 20 | 64QAM | 50 | 24 | 20.16 | 20.06 | 20.09 | 20.8 | 0 |
| 20 | 64QAM | 50 | 50 | 20.05 | 20.04 | 20.01 | | |
| 20 | 64QAM | 100 | 0 | 20.02 | 19.99 | 19.95 | | |
| 20 | 256QAM | 1 | 0 | 18.46 | 18.64 | 18.49 | 18.8 | 2 |
| 20 | 256QAM | 1 | 49 | 18.44 | 18.50 | 18.50 | | |
| 20 | 256QAM | 1 | 99 | 18.40 | 18.61 | 18.47 | | |
| 20 | 256QAM | 50 | 0 | 18.45 | 18.47 | 18.46 | 18.8 | 2 |
| 20 | 256QAM | 50 | 24 | 18.46 | 18.57 | 18.50 | | |
| 20 | 256QAM | 50 | 50 | 18.45 | 18.60 | 18.47 | | |
| 20 | 256QAM | 100 | 0 | 18.48 | 18.47 | 18.52 | 18.8 | 2 |
| Channel | | | | 133197 | 133297 | 133397 | | |
| Frequency (MHz) | | | | 670.5 | 680.5 | 690.5 | | |
| 15 | QPSK | 1 | 0 | 20.33 | 20.54 | 20.40 | 20.8 | 0 |
| 15 | QPSK | 1 | 37 | 20.32 | 20.44 | 20.25 | | |
| 15 | QPSK | 1 | 74 | 20.14 | 20.19 | 20.23 | | |
| 15 | QPSK | 36 | 0 | 19.89 | 19.89 | 19.83 | 20.8 | 0 |
| 15 | QPSK | 36 | 20 | 19.94 | 20.23 | 19.97 | | |
| 15 | QPSK | 36 | 39 | 19.83 | 19.97 | 19.87 | | |
| 15 | QPSK | 75 | 0 | 19.74 | 19.90 | 19.77 | 20.8 | 0 |
| 15 | 16QAM | 1 | 0 | 20.37 | 20.34 | 20.30 | | |
| 15 | 16QAM | 1 | 37 | 20.32 | 20.13 | 20.24 | | |
| 15 | 16QAM | 1 | 74 | 20.13 | 20.15 | 19.99 | 20.8 | 0 |
| 15 | 16QAM | 36 | 0 | 19.97 | 19.95 | 19.87 | | |
| 15 | 16QAM | 36 | 20 | 20.00 | 19.90 | 19.97 | | |
| 15 | 16QAM | 36 | 39 | 19.87 | 19.94 | 19.97 | 20.8 | 0 |
| 15 | 16QAM | 75 | 0 | 19.84 | 19.93 | 19.83 | | |
| 15 | 64QAM | 1 | 0 | 19.95 | 20.16 | 20.17 | | |
| 15 | 64QAM | 1 | 37 | 20.03 | 20.09 | 19.95 | 20.8 | 0 |
| 15 | 64QAM | 1 | 74 | 20.19 | 20.04 | 20.06 | | |
| 15 | 64QAM | 36 | 0 | 20.06 | 19.95 | 19.87 | | |
| 15 | 64QAM | 36 | 20 | 20.07 | 19.98 | 20.01 | 20.8 | 0 |
| 15 | 64QAM | 36 | 39 | 19.91 | 19.86 | 19.97 | | |
| 15 | 64QAM | 75 | 0 | 19.94 | 19.95 | 19.95 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 18.44 | 18.59 | 18.45 | 18.8 | 2 |
| 15 | 256QAM | 1 | 37 | 18.45 | 18.59 | 18.57 | | |
| 15 | 256QAM | 1 | 74 | 18.38 | 18.62 | 18.50 | | |
| 15 | 256QAM | 36 | 0 | 18.46 | 18.56 | 18.49 | 18.8 | 2 |
| 15 | 256QAM | 36 | 20 | 18.41 | 18.63 | 18.55 | | |
| 15 | 256QAM | 36 | 39 | 18.44 | 18.63 | 18.44 | | |
| 15 | 256QAM | 75 | 0 | 18.50 | 18.51 | 18.43 | | |
| Channel | | | | 133172 | 133272 | 133422 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 668 | 678 | 693 | | |
| 10 | QPSK | 1 | 0 | 20.33 | 20.44 | 20.38 | 20.8 | 0 |
| 10 | QPSK | 1 | 25 | 20.29 | 20.36 | 20.21 | | |
| 10 | QPSK | 1 | 49 | 20.12 | 20.17 | 20.13 | | |
| 10 | QPSK | 25 | 0 | 19.85 | 19.88 | 19.82 | 20.8 | 0 |
| 10 | QPSK | 25 | 12 | 19.88 | 20.16 | 19.88 | | |
| 10 | QPSK | 25 | 25 | 19.75 | 19.93 | 19.77 | | |
| 10 | QPSK | 50 | 0 | 19.71 | 19.81 | 19.67 | | |
| 10 | 16QAM | 1 | 0 | 20.37 | 20.30 | 20.23 | 20.8 | 0 |
| 10 | 16QAM | 1 | 25 | 20.23 | 20.08 | 20.22 | | |
| 10 | 16QAM | 1 | 49 | 20.07 | 20.12 | 19.98 | | |
| 10 | 16QAM | 25 | 0 | 19.88 | 19.93 | 19.77 | 20.8 | 0 |
| 10 | 16QAM | 25 | 12 | 19.94 | 19.85 | 19.87 | | |
| 10 | 16QAM | 25 | 25 | 19.79 | 19.85 | 19.87 | | |
| 10 | 16QAM | 50 | 0 | 19.78 | 19.86 | 19.78 | | |
| 10 | 64QAM | 1 | 0 | 19.85 | 20.16 | 20.14 | 20.8 | 0 |
| 10 | 64QAM | 1 | 25 | 19.93 | 20.09 | 19.91 | | |
| 10 | 64QAM | 1 | 49 | 20.16 | 19.94 | 19.96 | | |
| 10 | 64QAM | 25 | 0 | 20.00 | 19.85 | 19.81 | 20.8 | 0 |
| 10 | 64QAM | 25 | 12 | 20.07 | 19.90 | 19.97 | | |
| 10 | 64QAM | 25 | 25 | 19.90 | 19.81 | 19.95 | | |
| 10 | 64QAM | 50 | 0 | 19.94 | 19.85 | 19.88 | | |
| 10 | 256QAM | 1 | 0 | 18.46 | 18.62 | 18.47 | 18.8 | 2 |
| 10 | 256QAM | 1 | 25 | 18.42 | 18.57 | 18.58 | | |
| 10 | 256QAM | 1 | 49 | 18.43 | 18.60 | 18.43 | | |
| 10 | 256QAM | 25 | 0 | 18.49 | 18.49 | 18.55 | 18.8 | 2 |
| 10 | 256QAM | 25 | 12 | 18.47 | 18.62 | 18.52 | | |
| 10 | 256QAM | 25 | 25 | 18.47 | 18.56 | 18.47 | | |
| 10 | 256QAM | 50 | 0 | 18.50 | 18.46 | 18.51 | | |
| Channel | | | | 133147 | 133247 | 133447 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 665.5 | 675.5 | 695.5 | | |
| 5 | QPSK | 1 | 0 | 20.28 | 20.51 | 20.32 | 20.8 | 0 |
| 5 | QPSK | 1 | 12 | 20.26 | 20.35 | 20.24 | | |
| 5 | QPSK | 1 | 24 | 20.10 | 20.12 | 20.15 | | |
| 5 | QPSK | 12 | 0 | 19.85 | 19.82 | 19.73 | 20.8 | 0 |
| 5 | QPSK | 12 | 7 | 19.92 | 20.16 | 19.91 | | |
| 5 | QPSK | 12 | 13 | 19.83 | 19.91 | 19.85 | | |
| 5 | QPSK | 25 | 0 | 19.71 | 19.89 | 19.70 | | |
| 5 | 16QAM | 1 | 0 | 20.31 | 20.28 | 20.21 | 20.8 | 0 |
| 5 | 16QAM | 1 | 12 | 20.25 | 20.06 | 20.22 | | |
| 5 | 16QAM | 1 | 24 | 20.03 | 20.07 | 19.95 | | |
| 5 | 16QAM | 12 | 0 | 19.89 | 19.89 | 19.78 | 20.8 | 0 |
| 5 | 16QAM | 12 | 7 | 19.96 | 19.80 | 19.96 | | |
| 5 | 16QAM | 12 | 13 | 19.84 | 19.94 | 19.88 | | |
| 5 | 16QAM | 25 | 0 | 19.79 | 19.93 | 19.75 | | |
| 5 | 64QAM | 1 | 0 | 19.90 | 20.15 | 20.16 | 20.8 | 0 |
| 5 | 64QAM | 1 | 12 | 19.94 | 20.02 | 19.87 | | |
| 5 | 64QAM | 1 | 24 | 20.10 | 19.99 | 19.98 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 20.03 | 19.95 | 19.81 | 20.8 | 0 |
| 5 | 64QAM | 12 | 7 | 20.07 | 19.97 | 19.93 | | |
| 5 | 64QAM | 12 | 13 | 19.83 | 19.76 | 19.88 | | |
| 5 | 64QAM | 25 | 0 | 19.84 | 19.92 | 19.95 | 18.8 | 2 |
| 5 | 256QAM | 1 | 0 | 18.44 | 18.59 | 18.44 | | |
| 5 | 256QAM | 1 | 12 | 18.41 | 18.54 | 18.55 | | |
| 5 | 256QAM | 1 | 24 | 18.41 | 18.55 | 18.52 | 18.8 | 2 |
| 5 | 256QAM | 12 | 0 | 18.43 | 18.51 | 18.51 | | |
| 5 | 256QAM | 12 | 7 | 18.41 | 18.54 | 18.48 | | |
| 5 | 256QAM | 12 | 13 | 18.44 | 18.62 | 18.49 | 18.8 | 2 |
| 5 | 256QAM | 25 | 0 | 18.50 | 18.53 | 18.46 | | |



UAT Reduced Power Mode for Hotspot On

<LTE Band 2>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 15.62 | 15.79 | 15.74 | 16.5 | 0 |
| 20 | QPSK | 1 | 49 | 15.59 | 15.68 | 15.70 | | |
| 20 | QPSK | 1 | 99 | 15.52 | 15.58 | 15.58 | | |
| 20 | QPSK | 50 | 0 | 15.54 | 15.65 | 15.67 | 16.5 | 0 |
| 20 | QPSK | 50 | 24 | 15.75 | 15.77 | 15.69 | | |
| 20 | QPSK | 50 | 50 | 15.69 | 15.76 | 15.61 | | |
| 20 | QPSK | 100 | 0 | 15.67 | 15.65 | 15.78 | 16.5 | 0 |
| 20 | 16QAM | 1 | 0 | 15.69 | 15.77 | 15.72 | | |
| 20 | 16QAM | 1 | 49 | 15.68 | 15.71 | 15.74 | | |
| 20 | 16QAM | 1 | 99 | 15.66 | 15.70 | 15.62 | 16.5 | 0 |
| 20 | 16QAM | 50 | 0 | 15.58 | 15.69 | 15.72 | | |
| 20 | 16QAM | 50 | 24 | 15.75 | 15.77 | 15.68 | | |
| 20 | 16QAM | 50 | 50 | 15.69 | 15.78 | 15.70 | 16.5 | 0 |
| 20 | 16QAM | 100 | 0 | 15.66 | 15.67 | 15.76 | | |
| 20 | 64QAM | 1 | 0 | 15.66 | 15.60 | 15.69 | | |
| 20 | 64QAM | 1 | 49 | 15.69 | 15.68 | 15.71 | 16.5 | 0 |
| 20 | 64QAM | 1 | 99 | 15.72 | 15.63 | 15.64 | | |
| 20 | 64QAM | 50 | 0 | 15.59 | 15.71 | 15.73 | | |
| 20 | 64QAM | 50 | 24 | 15.77 | 15.71 | 15.67 | 16.5 | 0 |
| 20 | 64QAM | 50 | 50 | 15.72 | 15.70 | 15.71 | | |
| 20 | 64QAM | 100 | 0 | 15.72 | 15.69 | 15.71 | | |
| 20 | 256QAM | 1 | 0 | 15.49 | 15.73 | 15.64 | 16.5 | 0 |
| 20 | 256QAM | 1 | 49 | 15.59 | 15.74 | 15.61 | | |
| 20 | 256QAM | 1 | 99 | 15.51 | 15.69 | 15.66 | | |
| 20 | 256QAM | 50 | 0 | 15.48 | 15.71 | 15.71 | 16.5 | 0 |
| 20 | 256QAM | 50 | 24 | 15.42 | 15.60 | 15.69 | | |
| 20 | 256QAM | 50 | 50 | 15.46 | 15.66 | 15.66 | | |
| 20 | 256QAM | 100 | 0 | 15.57 | 15.69 | 15.61 | | |
| Channel | | | | 18675 | 18900 | 19125 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 15.10 | 15.32 | 15.35 | 16.5 | 0 |
| 15 | QPSK | 1 | 37 | 15.21 | 15.33 | 15.33 | | |
| 15 | QPSK | 1 | 74 | 15.13 | 15.31 | 15.34 | | |
| 15 | QPSK | 36 | 0 | 15.22 | 15.38 | 15.37 | 16.5 | 0 |
| 15 | QPSK | 36 | 20 | 15.34 | 15.43 | 15.39 | | |
| 15 | QPSK | 36 | 39 | 15.38 | 15.46 | 15.46 | | |
| 15 | QPSK | 75 | 0 | 15.31 | 15.36 | 15.35 | 16.5 | 0 |
| 15 | 16QAM | 1 | 0 | 15.46 | 15.65 | 15.70 | | |
| 15 | 16QAM | 1 | 37 | 15.47 | 15.64 | 15.68 | | |
| 15 | 16QAM | 1 | 74 | 15.39 | 15.64 | 15.65 | 16.5 | 0 |
| 15 | 16QAM | 36 | 0 | 15.23 | 15.35 | 15.38 | | |
| 15 | 16QAM | 36 | 20 | 15.32 | 15.45 | 15.43 | | |
| 15 | 16QAM | 36 | 39 | 15.34 | 15.49 | 15.46 | 16.5 | 0 |
| 15 | 16QAM | 75 | 0 | 15.32 | 15.39 | 15.37 | | |
| 15 | 64QAM | 1 | 0 | 15.31 | 15.75 | 15.68 | | |
| 15 | 64QAM | 1 | 37 | 15.44 | 15.66 | 15.56 | 16.5 | 0 |
| 15 | 64QAM | 1 | 74 | 15.52 | 15.71 | 15.54 | | |
| 15 | 64QAM | 36 | 0 | 15.21 | 15.37 | 15.37 | | |
| 15 | 64QAM | 36 | 20 | 15.32 | 15.41 | 15.47 | 16.5 | 0 |
| 15 | 64QAM | 36 | 39 | 15.33 | 15.48 | 15.45 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 64QAM | 75 | 0 | 15.29 | 15.42 | 15.39 | | |
| 15 | 256QAM | 1 | 0 | 15.05 | 15.25 | 15.23 | 16.5 | 0 |
| 15 | 256QAM | 1 | 37 | 15.02 | 15.25 | 15.25 | | |
| 15 | 256QAM | 1 | 74 | 15.08 | 15.28 | 15.26 | | |
| 15 | 256QAM | 36 | 0 | 15.00 | 15.22 | 15.16 | 16.5 | 0 |
| 15 | 256QAM | 36 | 20 | 15.05 | 15.12 | 15.34 | | |
| 15 | 256QAM | 36 | 39 | 15.07 | 15.32 | 15.33 | | |
| 15 | 256QAM | 75 | 0 | 15.10 | 15.12 | 15.20 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 15.14 | 15.16 | 15.22 | 16.5 | 0 |
| 10 | QPSK | 1 | 25 | 15.11 | 15.21 | 15.15 | | |
| 10 | QPSK | 1 | 49 | 15.09 | 15.01 | 15.14 | | |
| 10 | QPSK | 25 | 0 | 15.07 | 15.19 | 15.18 | 16.5 | 0 |
| 10 | QPSK | 25 | 12 | 15.16 | 15.27 | 15.34 | | |
| 10 | QPSK | 25 | 25 | 15.09 | 15.23 | 15.24 | | |
| 10 | QPSK | 50 | 0 | 15.12 | 15.17 | 15.23 | | |
| 10 | 16QAM | 1 | 0 | 15.08 | 15.30 | 15.48 | 16.5 | 0 |
| 10 | 16QAM | 1 | 25 | 15.43 | 15.57 | 15.55 | | |
| 10 | 16QAM | 1 | 49 | 15.18 | 15.36 | 15.53 | | |
| 10 | 16QAM | 25 | 0 | 15.08 | 15.19 | 15.15 | 16.5 | 0 |
| 10 | 16QAM | 25 | 12 | 15.21 | 15.28 | 15.32 | | |
| 10 | 16QAM | 25 | 25 | 15.02 | 15.25 | 15.16 | | |
| 10 | 16QAM | 50 | 0 | 15.08 | 15.16 | 15.25 | | |
| 10 | 64QAM | 1 | 0 | 15.21 | 15.35 | 15.67 | 16.5 | 0 |
| 10 | 64QAM | 1 | 25 | 15.35 | 15.65 | 15.54 | | |
| 10 | 64QAM | 1 | 49 | 15.23 | 15.51 | 15.61 | | |
| 10 | 64QAM | 25 | 0 | 15.06 | 15.18 | 15.18 | 16.5 | 0 |
| 10 | 64QAM | 25 | 12 | 15.20 | 15.31 | 15.37 | | |
| 10 | 64QAM | 25 | 25 | 15.04 | 15.22 | 15.23 | | |
| 10 | 64QAM | 50 | 0 | 15.15 | 15.13 | 15.25 | | |
| 10 | 256QAM | 1 | 0 | 15.14 | 15.12 | 15.07 | 16.5 | 0 |
| 10 | 256QAM | 1 | 25 | 15.12 | 14.94 | 14.96 | | |
| 10 | 256QAM | 1 | 49 | 15.03 | 15.03 | 15.13 | | |
| 10 | 256QAM | 25 | 0 | 15.07 | 15.06 | 14.98 | 16.5 | 0 |
| 10 | 256QAM | 25 | 12 | 15.01 | 14.95 | 15.02 | | |
| 10 | 256QAM | 25 | 25 | 15.08 | 15.07 | 15.09 | | |
| 10 | 256QAM | 50 | 0 | 15.01 | 15.05 | 15.02 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 15.07 | 15.12 | 15.12 | 16.5 | 0 |
| 5 | QPSK | 1 | 12 | 15.13 | 15.24 | 15.22 | | |
| 5 | QPSK | 1 | 24 | 15.03 | 15.13 | 15.13 | | |
| 5 | QPSK | 12 | 0 | 15.20 | 15.35 | 15.25 | 16.5 | 0 |
| 5 | QPSK | 12 | 7 | 15.18 | 15.30 | 15.29 | | |
| 5 | QPSK | 12 | 13 | 15.18 | 15.29 | 15.28 | | |
| 5 | QPSK | 25 | 0 | 15.15 | 15.24 | 15.24 | | |
| 5 | 16QAM | 1 | 0 | 15.40 | 15.47 | 15.37 | 16.5 | 0 |
| 5 | 16QAM | 1 | 12 | 15.46 | 15.60 | 15.60 | | |
| 5 | 16QAM | 1 | 24 | 15.32 | 15.45 | 15.43 | | |
| 5 | 16QAM | 12 | 0 | 15.20 | 15.37 | 15.29 | 16.5 | 0 |
| 5 | 16QAM | 12 | 7 | 15.27 | 15.37 | 15.30 | | |
| 5 | 16QAM | 12 | 13 | 15.21 | 15.31 | 15.29 | | |
| 5 | 16QAM | 25 | 0 | 15.19 | 15.30 | 15.22 | | |
| 5 | 64QAM | 1 | 0 | 15.35 | 15.41 | 15.46 | 16.5 | 0 |
| 5 | 64QAM | 1 | 12 | 15.35 | 15.43 | 15.45 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 1 | 24 | 15.22 | 15.37 | 15.42 | | |
| 5 | 64QAM | 12 | 0 | 15.20 | 15.29 | 15.27 | 16.5 | 0 |
| 5 | 64QAM | 12 | 7 | 15.23 | 15.28 | 15.30 | | |
| 5 | 64QAM | 12 | 13 | 15.18 | 15.29 | 15.29 | | |
| 5 | 64QAM | 25 | 0 | 15.17 | 15.28 | 15.26 | | |
| 5 | 256QAM | 1 | 0 | 14.88 | 15.10 | 15.10 | 16.5 | 0 |
| 5 | 256QAM | 1 | 12 | 14.96 | 14.97 | 14.93 | | |
| 5 | 256QAM | 1 | 24 | 14.87 | 14.97 | 15.00 | | |
| 5 | 256QAM | 12 | 0 | 14.98 | 15.00 | 15.11 | 16.5 | 0 |
| 5 | 256QAM | 12 | 7 | 15.06 | 15.06 | 15.02 | | |
| 5 | 256QAM | 12 | 13 | 14.97 | 15.05 | 15.08 | | |
| 5 | 256QAM | 25 | 0 | 14.97 | 14.92 | 14.94 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 15.13 | 15.23 | 15.24 | 16.5 | 0 |
| 3 | QPSK | 1 | 8 | 15.17 | 15.31 | 15.24 | | |
| 3 | QPSK | 1 | 14 | 15.00 | 15.16 | 15.14 | | |
| 3 | QPSK | 8 | 0 | 15.23 | 15.31 | 15.34 | 16.5 | 0 |
| 3 | QPSK | 8 | 4 | 15.24 | 15.29 | 15.29 | | |
| 3 | QPSK | 8 | 7 | 15.16 | 15.33 | 15.26 | | |
| 3 | QPSK | 15 | 0 | 15.18 | 15.30 | 15.30 | | |
| 3 | 16QAM | 1 | 0 | 15.43 | 15.53 | 15.56 | 16.5 | 0 |
| 3 | 16QAM | 1 | 8 | 15.44 | 15.60 | 15.58 | | |
| 3 | 16QAM | 1 | 14 | 15.38 | 15.49 | 15.48 | | |
| 3 | 16QAM | 8 | 0 | 15.31 | 15.39 | 15.39 | 16.5 | 0 |
| 3 | 16QAM | 8 | 4 | 15.28 | 15.36 | 15.38 | | |
| 3 | 16QAM | 8 | 7 | 15.19 | 15.37 | 15.34 | | |
| 3 | 16QAM | 15 | 0 | 15.20 | 15.33 | 15.31 | | |
| 3 | 64QAM | 1 | 0 | 15.44 | 15.49 | 15.46 | 16.5 | 0 |
| 3 | 64QAM | 1 | 8 | 15.38 | 15.53 | 15.52 | | |
| 3 | 64QAM | 1 | 14 | 15.27 | 15.46 | 15.40 | | |
| 3 | 64QAM | 8 | 0 | 15.25 | 15.33 | 15.36 | 16.5 | 0 |
| 3 | 64QAM | 8 | 4 | 15.24 | 15.35 | 15.35 | | |
| 3 | 64QAM | 8 | 7 | 15.18 | 15.33 | 15.31 | | |
| 3 | 64QAM | 15 | 0 | 15.17 | 15.30 | 15.28 | | |
| 3 | 256QAM | 1 | 0 | 15.08 | 15.13 | 15.18 | 16.5 | 0 |
| 3 | 256QAM | 1 | 8 | 15.07 | 15.16 | 15.22 | | |
| 3 | 256QAM | 1 | 14 | 15.11 | 15.18 | 15.18 | | |
| 3 | 256QAM | 8 | 0 | 15.12 | 15.22 | 15.23 | 16.5 | 0 |
| 3 | 256QAM | 8 | 4 | 15.06 | 15.16 | 15.20 | | |
| 3 | 256QAM | 8 | 7 | 15.11 | 15.20 | 15.14 | | |
| 3 | 256QAM | 15 | 0 | 15.13 | 15.13 | 15.24 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 15.32 | 15.50 | 15.52 | 16.5 | 0 |
| 1.4 | QPSK | 1 | 3 | 15.38 | 15.53 | 15.55 | | |
| 1.4 | QPSK | 1 | 5 | 15.31 | 15.43 | 15.45 | | |
| 1.4 | QPSK | 3 | 0 | 15.36 | 15.53 | 15.53 | | |
| 1.4 | QPSK | 3 | 1 | 15.40 | 15.53 | 15.54 | | |
| 1.4 | QPSK | 3 | 3 | 15.32 | 15.49 | 15.48 | | |
| 1.4 | QPSK | 6 | 0 | 15.44 | 15.58 | 15.59 | 16.5 | 0 |
| 1.4 | 16QAM | 1 | 0 | 15.65 | 15.72 | 15.75 | 16.5 | 0 |
| 1.4 | 16QAM | 1 | 3 | 15.73 | 15.76 | 15.78 | | |
| 1.4 | 16QAM | 1 | 5 | 15.62 | 15.76 | 15.70 | | |
| 1.4 | 16QAM | 3 | 0 | 15.45 | 15.61 | 15.59 | | |
| 1.4 | 16QAM | 3 | 1 | 15.52 | 15.65 | 15.65 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 3 | 3 | 15.39 | 15.55 | 15.58 | | |
| 1.4 | 16QAM | 6 | 0 | 15.51 | 15.68 | 15.69 | 16.5 | 0 |
| 1.4 | 64QAM | 1 | 0 | 15.64 | 15.74 | 15.72 | 16.5 | 0 |
| 1.4 | 64QAM | 1 | 3 | 15.67 | 15.78 | 15.70 | | |
| 1.4 | 64QAM | 1 | 5 | 15.59 | 15.73 | 15.72 | | |
| 1.4 | 64QAM | 3 | 0 | 15.60 | 15.74 | 15.73 | | |
| 1.4 | 64QAM | 3 | 1 | 15.61 | 15.71 | 15.71 | | |
| 1.4 | 64QAM | 3 | 3 | 15.53 | 15.73 | 15.72 | | |
| 1.4 | 64QAM | 6 | 0 | 15.46 | 15.62 | 15.61 | 16.5 | 0 |
| 1.4 | 256QAM | 1 | 0 | 15.26 | 15.43 | 15.43 | 16.5 | 0 |
| 1.4 | 256QAM | 1 | 3 | 15.25 | 15.43 | 15.42 | | |
| 1.4 | 256QAM | 1 | 5 | 15.26 | 15.42 | 15.49 | | |
| 1.4 | 256QAM | 3 | 0 | 15.27 | 15.50 | 15.50 | | |
| 1.4 | 256QAM | 3 | 1 | 15.25 | 15.41 | 15.52 | | |
| 1.4 | 256QAM | 3 | 3 | 15.24 | 15.44 | 15.47 | | |
| 1.4 | 256QAM | 6 | 0 | 15.24 | 15.48 | 15.46 | 16.5 | 0 |



<LTE Band 4>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20050 | 20175 | 20300 | | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 20.56 | 20.71 | 20.68 | | |
| 20 | QPSK | 1 | 49 | 20.62 | 20.69 | 20.63 | 21 | 1 |
| 20 | QPSK | 1 | 99 | 20.52 | 20.56 | 20.52 | | |
| 20 | QPSK | 50 | 0 | 19.76 | 19.87 | 19.84 | | |
| 20 | QPSK | 50 | 24 | 19.94 | 19.97 | 19.88 | 21 | 1 |
| 20 | QPSK | 50 | 50 | 19.83 | 19.84 | 19.85 | | |
| 20 | QPSK | 100 | 0 | 19.81 | 19.80 | 19.85 | | |
| 20 | 16QAM | 1 | 0 | 19.88 | 19.85 | 19.81 | 21 | 1 |
| 20 | 16QAM | 1 | 49 | 20.04 | 20.08 | 20.03 | | |
| 20 | 16QAM | 1 | 99 | 19.80 | 19.77 | 19.63 | | |
| 20 | 16QAM | 50 | 0 | 18.78 | 18.81 | 18.76 | 20 | 2 |
| 20 | 16QAM | 50 | 24 | 18.94 | 18.93 | 18.80 | | |
| 20 | 16QAM | 50 | 50 | 18.78 | 18.84 | 18.79 | | |
| 20 | 16QAM | 100 | 0 | 18.79 | 18.77 | 18.71 | 20 | 2 |
| 20 | 64QAM | 1 | 0 | 18.91 | 18.97 | 18.98 | | |
| 20 | 64QAM | 1 | 49 | 19.11 | 19.22 | 19.22 | | |
| 20 | 64QAM | 1 | 99 | 18.93 | 18.90 | 18.91 | 19 | 3 |
| 20 | 64QAM | 50 | 0 | 17.94 | 18.04 | 18.01 | | |
| 20 | 64QAM | 50 | 24 | 18.06 | 18.16 | 17.99 | | |
| 20 | 64QAM | 50 | 50 | 17.97 | 18.03 | 18.00 | 17 | 2 |
| 20 | 64QAM | 100 | 0 | 17.97 | 17.98 | 17.94 | | |
| 20 | 256QAM | 1 | 0 | 15.56 | 15.71 | 15.60 | | |
| 20 | 256QAM | 1 | 49 | 15.48 | 15.65 | 15.65 | 17 | 3 |
| 20 | 256QAM | 1 | 99 | 15.50 | 15.64 | 15.66 | | |
| 20 | 256QAM | 50 | 0 | 15.56 | 15.63 | 15.63 | | |
| 20 | 256QAM | 50 | 24 | 15.52 | 15.70 | 15.62 | 17 | 3 |
| 20 | 256QAM | 50 | 50 | 15.55 | 15.62 | 15.63 | | |
| 20 | 256QAM | 100 | 0 | 15.55 | 15.66 | 15.62 | | |
| Channel | | | | 20025 | 20175 | 20325 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | |
| 15 | QPSK | 1 | 0 | 20.65 | 20.66 | 20.62 | 22 | 0 |
| 15 | QPSK | 1 | 37 | 20.56 | 20.55 | 20.56 | | |
| 15 | QPSK | 1 | 74 | 20.57 | 20.61 | 20.59 | | |
| 15 | QPSK | 36 | 0 | 19.74 | 19.80 | 19.74 | 21 | 1 |
| 15 | QPSK | 36 | 20 | 19.89 | 19.94 | 19.86 | | |
| 15 | QPSK | 36 | 39 | 19.84 | 19.86 | 19.80 | | |
| 15 | QPSK | 75 | 0 | 19.80 | 19.79 | 19.82 | 21 | 1 |
| 15 | 16QAM | 1 | 0 | 19.86 | 19.90 | 20.01 | | |
| 15 | 16QAM | 1 | 37 | 19.99 | 20.11 | 20.11 | | |
| 15 | 16QAM | 1 | 74 | 19.81 | 19.94 | 19.89 | 20 | 2 |
| 15 | 16QAM | 36 | 0 | 18.80 | 18.79 | 18.78 | | |
| 15 | 16QAM | 36 | 20 | 18.89 | 18.93 | 18.89 | | |
| 15 | 16QAM | 36 | 39 | 18.87 | 18.83 | 18.83 | 20 | 2 |
| 15 | 16QAM | 75 | 0 | 18.82 | 18.82 | 18.85 | | |
| 15 | 64QAM | 1 | 0 | 19.05 | 19.06 | 18.91 | | |
| 15 | 64QAM | 1 | 37 | 19.21 | 19.35 | 19.12 | 20 | 2 |
| 15 | 64QAM | 1 | 74 | 19.07 | 19.06 | 18.95 | | |
| 15 | 64QAM | 36 | 0 | 17.93 | 18.07 | 18.02 | | |
| 15 | 64QAM | 36 | 20 | 18.03 | 18.22 | 18.12 | 19 | 3 |
| 15 | 64QAM | 36 | 39 | 17.99 | 18.07 | 18.06 | | |
| 15 | 64QAM | 75 | 0 | 17.97 | 18.01 | 18.06 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 15.55 | 15.56 | 15.62 | 17 | 2 |
| 15 | 256QAM | 1 | 37 | 15.56 | 15.65 | 15.58 | | |
| 15 | 256QAM | 1 | 74 | 15.57 | 15.57 | 15.57 | | |
| 15 | 256QAM | 36 | 0 | 15.58 | 15.61 | 15.59 | 17 | 3 |
| 15 | 256QAM | 36 | 20 | 15.56 | 15.56 | 15.62 | | |
| 15 | 256QAM | 36 | 39 | 15.56 | 15.59 | 15.57 | | |
| 15 | 256QAM | 75 | 0 | 15.62 | 15.59 | 15.52 | | |
| Channel | | | | 20000 | 20175 | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 20.31 | 20.29 | 20.28 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 20.59 | 20.65 | 20.53 | | |
| 10 | QPSK | 1 | 49 | 20.26 | 20.29 | 20.19 | | |
| 10 | QPSK | 25 | 0 | 19.57 | 19.61 | 19.54 | 21 | 1 |
| 10 | QPSK | 25 | 12 | 19.71 | 19.73 | 19.68 | | |
| 10 | QPSK | 25 | 25 | 19.55 | 19.61 | 19.55 | | |
| 10 | QPSK | 50 | 0 | 19.62 | 19.67 | 19.60 | | |
| 10 | 16QAM | 1 | 0 | 19.68 | 19.74 | 19.64 | 21 | 1 |
| 10 | 16QAM | 1 | 25 | 19.88 | 20.03 | 19.96 | | |
| 10 | 16QAM | 1 | 49 | 19.59 | 19.73 | 19.59 | | |
| 10 | 16QAM | 25 | 0 | 18.54 | 18.60 | 18.55 | 20 | 2 |
| 10 | 16QAM | 25 | 12 | 18.71 | 18.75 | 18.68 | | |
| 10 | 16QAM | 25 | 25 | 18.55 | 18.62 | 18.51 | | |
| 10 | 16QAM | 50 | 0 | 18.61 | 18.64 | 18.60 | | |
| 10 | 64QAM | 1 | 0 | 18.65 | 18.82 | 18.72 | 20 | 2 |
| 10 | 64QAM | 1 | 25 | 19.00 | 19.08 | 19.00 | | |
| 10 | 64QAM | 1 | 49 | 18.59 | 18.75 | 18.65 | | |
| 10 | 64QAM | 25 | 0 | 17.70 | 17.84 | 17.78 | 19 | 3 |
| 10 | 64QAM | 25 | 12 | 17.86 | 18.01 | 17.92 | | |
| 10 | 64QAM | 25 | 25 | 17.73 | 17.87 | 17.75 | | |
| 10 | 64QAM | 50 | 0 | 17.78 | 17.91 | 17.80 | | |
| 10 | 256QAM | 1 | 0 | 15.24 | 15.25 | 15.24 | 17 | 2 |
| 10 | 256QAM | 1 | 25 | 15.30 | 15.23 | 15.28 | | |
| 10 | 256QAM | 1 | 49 | 15.29 | 15.26 | 15.25 | | |
| 10 | 256QAM | 25 | 0 | 15.28 | 15.22 | 15.27 | 17 | 3 |
| 10 | 256QAM | 25 | 12 | 15.22 | 15.21 | 15.25 | | |
| 10 | 256QAM | 25 | 25 | 15.29 | 15.28 | 15.22 | | |
| 10 | 256QAM | 50 | 0 | 15.21 | 15.22 | 15.27 | | |
| Channel | | | | 19975 | 20175 | 20375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 20.54 | 20.58 | 20.49 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 20.61 | 20.68 | 20.56 | | |
| 5 | QPSK | 1 | 24 | 20.52 | 20.52 | 20.46 | | |
| 5 | QPSK | 12 | 0 | 19.69 | 19.72 | 19.64 | 21 | 1 |
| 5 | QPSK | 12 | 7 | 19.71 | 19.74 | 19.74 | | |
| 5 | QPSK | 12 | 13 | 19.66 | 19.72 | 19.63 | | |
| 5 | QPSK | 25 | 0 | 19.64 | 19.72 | 19.59 | | |
| 5 | 16QAM | 1 | 0 | 19.96 | 19.93 | 19.88 | 21 | 1 |
| 5 | 16QAM | 1 | 12 | 20.00 | 19.95 | 19.96 | | |
| 5 | 16QAM | 1 | 24 | 19.87 | 19.84 | 19.77 | | |
| 5 | 16QAM | 12 | 0 | 18.72 | 18.74 | 18.67 | 20 | 2 |
| 5 | 16QAM | 12 | 7 | 18.74 | 18.78 | 18.76 | | |
| 5 | 16QAM | 12 | 13 | 18.65 | 18.69 | 18.64 | | |
| 5 | 16QAM | 25 | 0 | 18.67 | 18.74 | 18.61 | | |
| 5 | 64QAM | 1 | 0 | 18.92 | 19.07 | 18.92 | 20 | 2 |
| 5 | 64QAM | 1 | 12 | 18.95 | 19.04 | 18.96 | | |
| 5 | 64QAM | 1 | 24 | 18.88 | 18.92 | 18.93 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 17.87 | 17.96 | 17.84 | 19 | 3 |
| 5 | 64QAM | 12 | 7 | 17.92 | 18.03 | 17.90 | | |
| 5 | 64QAM | 12 | 13 | 17.84 | 17.97 | 17.88 | | |
| 5 | 64QAM | 25 | 0 | 17.83 | 17.96 | 17.76 | 17 | 2 |
| 5 | 256QAM | 1 | 0 | 15.49 | 15.55 | 15.48 | | |
| 5 | 256QAM | 1 | 12 | 15.44 | 15.53 | 15.39 | | |
| 5 | 256QAM | 1 | 24 | 15.51 | 15.55 | 15.47 | 17 | 3 |
| 5 | 256QAM | 12 | 0 | 15.49 | 15.52 | 15.44 | | |
| 5 | 256QAM | 12 | 7 | 15.48 | 15.54 | 15.43 | | |
| 5 | 256QAM | 12 | 13 | 15.53 | 15.51 | 15.49 | | |
| 5 | 256QAM | 25 | 0 | 15.53 | 15.50 | 15.47 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 19965 | 20175 | 20385 | | |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | |
| 3 | QPSK | 1 | 0 | 20.68 | 20.66 | 20.60 | 22 | 0 |
| 3 | QPSK | 1 | 8 | 20.68 | 20.63 | 20.65 | | |
| 3 | QPSK | 1 | 14 | 20.56 | 20.62 | 20.52 | | |
| 3 | QPSK | 8 | 0 | 19.72 | 19.76 | 19.68 | 21 | 1 |
| 3 | QPSK | 8 | 4 | 19.72 | 19.80 | 19.71 | | |
| 3 | QPSK | 8 | 7 | 19.71 | 19.70 | 19.66 | | |
| 3 | QPSK | 15 | 0 | 19.72 | 19.72 | 19.64 | | |
| 3 | 16QAM | 1 | 0 | 19.98 | 20.03 | 19.91 | 21 | 1 |
| 3 | 16QAM | 1 | 8 | 20.05 | 20.06 | 19.98 | | |
| 3 | 16QAM | 1 | 14 | 19.88 | 19.99 | 19.90 | | |
| 3 | 16QAM | 8 | 0 | 18.81 | 18.84 | 18.72 | 20 | 2 |
| 3 | 16QAM | 8 | 4 | 18.80 | 18.82 | 18.77 | | |
| 3 | 16QAM | 8 | 7 | 18.75 | 18.75 | 18.71 | | |
| 3 | 16QAM | 15 | 0 | 18.76 | 18.78 | 18.68 | | |
| 3 | 64QAM | 1 | 0 | 19.08 | 19.25 | 19.01 | 20 | 2 |
| 3 | 64QAM | 1 | 8 | 19.12 | 19.24 | 19.06 | | |
| 3 | 64QAM | 1 | 14 | 18.99 | 19.11 | 18.96 | | |
| 3 | 64QAM | 8 | 0 | 17.92 | 18.00 | 17.92 | 19 | 3 |
| 3 | 64QAM | 8 | 4 | 17.91 | 18.02 | 17.91 | | |
| 3 | 64QAM | 8 | 7 | 17.85 | 17.96 | 17.81 | | |
| 3 | 64QAM | 15 | 0 | 17.84 | 17.94 | 17.85 | | |
| 3 | 256QAM | 1 | 0 | 15.60 | 15.62 | 15.56 | 17 | 2 |
| 3 | 256QAM | 1 | 8 | 15.58 | 15.58 | 15.52 | | |
| 3 | 256QAM | 1 | 14 | 15.68 | 15.56 | 15.50 | | |
| 3 | 256QAM | 8 | 0 | 15.68 | 15.58 | 15.53 | 17 | 3 |
| 3 | 256QAM | 8 | 4 | 15.58 | 15.60 | 15.53 | | |
| 3 | 256QAM | 8 | 7 | 15.58 | 15.58 | 15.58 | | |
| 3 | 256QAM | 15 | 0 | 15.60 | 15.60 | 15.51 | | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | |
| 1.4 | QPSK | 1 | 0 | 20.51 | 20.56 | 20.49 | 22 | 0 |
| 1.4 | QPSK | 1 | 3 | 20.55 | 20.62 | 20.52 | | |
| 1.4 | QPSK | 1 | 5 | 20.49 | 20.52 | 20.46 | | |
| 1.4 | QPSK | 3 | 0 | 20.59 | 20.60 | 20.56 | | |
| 1.4 | QPSK | 3 | 1 | 20.58 | 20.60 | 20.57 | | |
| 1.4 | QPSK | 3 | 3 | 20.55 | 20.60 | 20.47 | 21 | 1 |
| 1.4 | QPSK | 6 | 0 | 19.58 | 19.63 | 19.56 | 21 | 1 |
| 1.4 | 16QAM | 1 | 0 | 19.88 | 19.88 | 19.80 | | |
| 1.4 | 16QAM | 1 | 3 | 19.98 | 19.95 | 19.89 | | |
| 1.4 | 16QAM | 1 | 5 | 19.86 | 19.85 | 19.77 | | |
| 1.4 | 16QAM | 3 | 0 | 19.68 | 19.72 | 19.65 | | |
| 1.4 | 16QAM | 3 | 1 | 19.70 | 19.73 | 19.71 | 21 | 1 |
| 1.4 | 16QAM | 3 | 3 | 19.64 | 19.68 | 19.58 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 6 | 0 | 18.69 | 18.68 | 18.67 | 20 | 2 |
| 1.4 | 64QAM | 1 | 0 | 18.91 | 19.04 | 18.87 | 20 | 2 |
| 1.4 | 64QAM | 1 | 3 | 19.00 | 19.10 | 18.96 | | |
| 1.4 | 64QAM | 1 | 5 | 18.88 | 19.00 | 18.88 | | |
| 1.4 | 64QAM | 3 | 0 | 18.91 | 19.02 | 18.87 | | |
| 1.4 | 64QAM | 3 | 1 | 19.00 | 19.06 | 18.97 | | |
| 1.4 | 64QAM | 3 | 3 | 18.87 | 19.03 | 18.86 | | |
| 1.4 | 64QAM | 6 | 0 | 17.78 | 17.85 | 17.71 | 19 | 3 |
| 1.4 | 256QAM | 1 | 0 | 15.41 | 15.50 | 15.40 | 17 | 0 |
| 1.4 | 256QAM | 1 | 3 | 15.45 | 15.50 | 15.44 | | |
| 1.4 | 256QAM | 1 | 5 | 15.42 | 15.53 | 15.43 | | |
| 1.4 | 256QAM | 3 | 0 | 15.49 | 15.56 | 15.45 | | |
| 1.4 | 256QAM | 3 | 1 | 15.49 | 15.49 | 15.45 | | |
| 1.4 | 256QAM | 3 | 3 | 15.42 | 15.53 | 15.40 | | |
| 1.4 | 256QAM | 6 | 0 | 15.43 | 15.48 | 15.46 | 17 | 0 |



<LTE Band 5>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20450 | 20525 | 20600 | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 21.40 | 21.45 | 21.41 | 22.8 | 0 |
| 10 | QPSK | 1 | 25 | 21.45 | 21.40 | 21.38 | | |
| 10 | QPSK | 1 | 49 | 21.58 | 21.46 | 21.44 | | |
| 10 | QPSK | 25 | 0 | 21.24 | 21.26 | 21.27 | 22.8 | 0 |
| 10 | QPSK | 25 | 12 | 21.41 | 21.39 | 21.37 | | |
| 10 | QPSK | 25 | 25 | 21.19 | 21.13 | 21.16 | | |
| 10 | QPSK | 50 | 0 | 21.10 | 21.09 | 21.07 | 21.8 | 1 |
| 10 | 16QAM | 1 | 0 | 21.36 | 21.55 | 21.55 | | |
| 10 | 16QAM | 1 | 25 | 21.41 | 21.52 | 21.49 | | |
| 10 | 16QAM | 1 | 49 | 21.54 | 21.56 | 21.54 | 21.8 | 1 |
| 10 | 16QAM | 25 | 0 | 21.31 | 21.34 | 21.34 | | |
| 10 | 16QAM | 25 | 12 | 21.35 | 21.21 | 21.29 | | |
| 10 | 16QAM | 25 | 25 | 21.19 | 21.42 | 21.19 | 20.8 | 2 |
| 10 | 16QAM | 50 | 0 | 21.17 | 21.18 | 21.17 | | |
| 10 | 64QAM | 1 | 0 | 20.27 | 20.25 | 20.37 | | |
| 10 | 64QAM | 1 | 25 | 20.43 | 20.42 | 20.32 | 19.8 | 3 |
| 10 | 64QAM | 1 | 49 | 20.42 | 20.35 | 20.34 | | |
| 10 | 64QAM | 25 | 0 | 20.12 | 20.14 | 20.16 | | |
| 10 | 64QAM | 25 | 12 | 19.18 | 19.10 | 19.11 | 18.8 | 4 |
| 10 | 64QAM | 25 | 25 | 19.08 | 19.23 | 19.14 | | |
| 10 | 64QAM | 50 | 0 | 19.13 | 19.15 | 19.03 | | |
| 10 | 256QAM | 1 | 0 | 17.42 | 17.45 | 17.41 | 18.8 | 4 |
| 10 | 256QAM | 1 | 25 | 17.45 | 17.40 | 17.38 | | |
| 10 | 256QAM | 1 | 49 | 17.52 | 17.46 | 17.42 | | |
| 10 | 256QAM | 25 | 0 | 17.24 | 17.26 | 17.27 | 18.8 | 4 |
| 10 | 256QAM | 25 | 12 | 17.41 | 17.39 | 17.37 | | |
| 10 | 256QAM | 25 | 25 | 17.19 | 17.19 | 17.16 | | |
| 10 | 256QAM | 50 | 0 | 17.10 | 17.11 | 17.09 | | |
| Channel | | | | 20425 | 20525 | 20625 | | |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 21.56 | 21.40 | 21.32 | 22.8 | 0 |
| 5 | QPSK | 1 | 12 | 21.43 | 21.38 | 21.49 | | |
| 5 | QPSK | 1 | 24 | 21.57 | 21.50 | 21.39 | | |
| 5 | QPSK | 12 | 0 | 21.22 | 21.31 | 21.43 | 22.8 | 0 |
| 5 | QPSK | 12 | 7 | 21.35 | 21.07 | 21.20 | | |
| 5 | QPSK | 12 | 13 | 21.20 | 21.10 | 21.09 | | |
| 5 | QPSK | 25 | 0 | 21.09 | 21.50 | 21.48 | 21.8 | 1 |
| 5 | 16QAM | 1 | 0 | 21.30 | 21.37 | 21.52 | | |
| 5 | 16QAM | 1 | 12 | 21.33 | 21.39 | 21.48 | | |
| 5 | 16QAM | 1 | 24 | 21.21 | 21.52 | 21.47 | 21.8 | 1 |
| 5 | 16QAM | 12 | 0 | 21.28 | 21.31 | 21.30 | | |
| 5 | 16QAM | 12 | 7 | 21.33 | 21.20 | 21.27 | | |
| 5 | 16QAM | 12 | 13 | 21.20 | 21.40 | 21.21 | 20.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.19 | 21.15 | 21.14 | | |
| 5 | 64QAM | 1 | 0 | 21.24 | 21.23 | 21.34 | | |
| 5 | 64QAM | 1 | 12 | 21.40 | 21.38 | 21.32 | 19.8 | 3 |
| 5 | 64QAM | 1 | 24 | 21.41 | 21.31 | 21.31 | | |
| 5 | 64QAM | 12 | 0 | 21.15 | 21.15 | 21.14 | | |
| 5 | 64QAM | 12 | 7 | 21.17 | 21.12 | 21.11 | | |
| 5 | 64QAM | 12 | 13 | 21.05 | 21.21 | 21.11 | | |
| 5 | 64QAM | 25 | 0 | 21.11 | 21.15 | 21.00 | | |



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|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 17.32 | 17.41 | 17.38 | 18.8 | 4 |
| 5 | 256QAM | 1 | 12 | 17.40 | 17.37 | 17.37 | | |
| 5 | 256QAM | 1 | 24 | 17.45 | 17.37 | 17.40 | | |
| 5 | 256QAM | 12 | 0 | 17.18 | 17.18 | 17.27 | 18.8 | 4 |
| 5 | 256QAM | 12 | 7 | 17.41 | 17.31 | 17.30 | | |
| 5 | 256QAM | 12 | 13 | 17.15 | 17.11 | 17.12 | | |
| 5 | 256QAM | 25 | 0 | 17.10 | 17.09 | 17.00 | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 21.54 | 21.57 | 21.50 | 22.8 | 0 |
| 3 | QPSK | 1 | 8 | 21.41 | 21.54 | 21.55 | | |
| 3 | QPSK | 1 | 14 | 21.50 | 21.51 | 21.52 | | |
| 3 | QPSK | 8 | 0 | 21.20 | 21.50 | 21.57 | 22.8 | 0 |
| 3 | QPSK | 8 | 4 | 21.30 | 21.53 | 21.57 | | |
| 3 | QPSK | 8 | 7 | 21.15 | 21.47 | 21.55 | | |
| 3 | QPSK | 15 | 0 | 21.05 | 21.46 | 21.52 | | |
| 3 | 16QAM | 1 | 0 | 21.18 | 21.35 | 21.38 | 21.8 | 1 |
| 3 | 16QAM | 1 | 8 | 21.34 | 21.49 | 21.47 | | |
| 3 | 16QAM | 1 | 14 | 21.39 | 21.38 | 21.45 | | |
| 3 | 16QAM | 8 | 0 | 21.30 | 21.20 | 21.24 | 21.8 | 1 |
| 3 | 16QAM | 8 | 4 | 21.27 | 21.10 | 21.13 | | |
| 3 | 16QAM | 8 | 7 | 21.03 | 21.36 | 21.02 | | |
| 3 | 16QAM | 15 | 0 | 21.14 | 21.16 | 21.07 | | |
| 3 | 64QAM | 1 | 0 | 21.18 | 21.17 | 21.29 | 20.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.30 | 21.35 | 21.23 | | |
| 3 | 64QAM | 1 | 14 | 21.32 | 21.26 | 21.23 | | |
| 3 | 64QAM | 8 | 0 | 21.03 | 21.06 | 21.06 | 19.8 | 3 |
| 3 | 64QAM | 8 | 4 | 21.01 | 21.02 | 21.09 | | |
| 3 | 64QAM | 8 | 7 | 20.90 | 21.18 | 21.09 | | |
| 3 | 64QAM | 15 | 0 | 21.04 | 21.11 | 20.99 | | |
| 3 | 256QAM | 1 | 0 | 17.24 | 17.38 | 17.30 | 18.8 | 4 |
| 3 | 256QAM | 1 | 8 | 17.33 | 17.36 | 17.35 | | |
| 3 | 256QAM | 1 | 14 | 17.43 | 17.29 | 17.34 | | |
| 3 | 256QAM | 8 | 0 | 17.14 | 17.14 | 17.20 | 18.8 | 4 |
| 3 | 256QAM | 8 | 4 | 17.31 | 17.21 | 17.30 | | |
| 3 | 256QAM | 8 | 7 | 17.14 | 17.02 | 17.02 | | |
| 3 | 256QAM | 15 | 0 | 17.06 | 17.00 | 16.95 | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 21.40 | 21.40 | 21.45 | 22.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 21.30 | 21.37 | 21.43 | | |
| 1.4 | QPSK | 1 | 5 | 21.40 | 21.33 | 21.34 | | |
| 1.4 | QPSK | 3 | 0 | 21.12 | 21.34 | 21.49 | 22.8 | 0 |
| 1.4 | QPSK | 3 | 1 | 21.15 | 21.36 | 21.48 | | |
| 1.4 | QPSK | 3 | 3 | 21.09 | 21.30 | 21.37 | | |
| 1.4 | QPSK | 6 | 0 | 21.03 | 21.38 | 21.48 | 22.8 | 0 |
| 1.4 | 16QAM | 1 | 0 | 21.35 | 21.39 | 21.43 | 21.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 21.32 | 21.40 | 21.31 | | |
| 1.4 | 16QAM | 1 | 5 | 21.38 | 21.40 | 21.53 | | |
| 1.4 | 16QAM | 3 | 0 | 21.11 | 21.33 | 21.23 | 21.8 | 1 |
| 1.4 | 16QAM | 3 | 1 | 21.15 | 21.15 | 21.25 | | |
| 1.4 | 16QAM | 3 | 3 | 21.06 | 21.29 | 21.12 | | |
| 1.4 | 16QAM | 6 | 0 | 21.16 | 21.01 | 21.07 | 21.8 | 1 |
| 1.4 | 64QAM | 1 | 0 | 21.09 | 21.08 | 21.32 | 20.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 21.30 | 21.39 | 21.16 | | |
| 1.4 | 64QAM | 1 | 5 | 21.39 | 21.20 | 21.20 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 21.01 | 21.12 | 21.04 | | |
| 1.4 | 64QAM | 3 | 1 | 21.06 | 21.01 | 20.91 | | |
| 1.4 | 64QAM | 3 | 3 | 20.91 | 21.13 | 21.08 | | |
| 1.4 | 64QAM | 6 | 0 | 20.95 | 21.07 | 20.95 | 19.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.19 | 17.28 | 17.25 | 18.8 | 4 |
| 1.4 | 256QAM | 1 | 3 | 17.32 | 17.31 | 17.26 | | |
| 1.4 | 256QAM | 1 | 5 | 17.40 | 17.20 | 17.24 | | |
| 1.4 | 256QAM | 3 | 0 | 17.13 | 17.12 | 17.17 | | |
| 1.4 | 256QAM | 3 | 1 | 17.29 | 17.21 | 17.23 | | |
| 1.4 | 256QAM | 3 | 3 | 17.07 | 16.98 | 16.95 | | |
| 1.4 | 256QAM | 6 | 0 | 17.04 | 16.95 | 16.92 | 18.8 | 4 |



<LTE Band 7>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 14.23 | 14.18 | 14.21 | 14.8 | 0 |
| 20 | QPSK | 1 | 49 | 14.13 | 14.15 | 14.15 | | |
| 20 | QPSK | 1 | 99 | 14.15 | 14.14 | 14.17 | | |
| 20 | QPSK | 50 | 0 | 14.20 | 14.12 | 14.14 | 14.8 | 0 |
| 20 | QPSK | 50 | 24 | 14.21 | 14.17 | 14.20 | | |
| 20 | QPSK | 50 | 50 | 14.18 | 14.16 | 14.19 | | |
| 20 | QPSK | 100 | 0 | 14.20 | 14.15 | 14.11 | 14.8 | 0 |
| 20 | 16QAM | 1 | 0 | 14.13 | 14.15 | 14.11 | | |
| 20 | 16QAM | 1 | 49 | 14.14 | 14.03 | 14.04 | | |
| 20 | 16QAM | 1 | 99 | 14.17 | 14.07 | 14.08 | 14.8 | 0 |
| 20 | 16QAM | 50 | 0 | 14.17 | 14.14 | 14.07 | | |
| 20 | 16QAM | 50 | 24 | 14.16 | 14.09 | 14.03 | | |
| 20 | 16QAM | 50 | 50 | 14.13 | 14.00 | 14.05 | 14.8 | 0 |
| 20 | 16QAM | 100 | 0 | 14.21 | 14.18 | 14.11 | | |
| 20 | 64QAM | 1 | 0 | 14.21 | 14.19 | 14.20 | | |
| 20 | 64QAM | 1 | 49 | 14.16 | 14.19 | 14.11 | 14.8 | 0 |
| 20 | 64QAM | 1 | 99 | 14.14 | 14.14 | 14.13 | | |
| 20 | 64QAM | 50 | 0 | 14.19 | 14.12 | 14.15 | | |
| 20 | 64QAM | 50 | 24 | 14.18 | 14.14 | 14.20 | 14.8 | 0 |
| 20 | 64QAM | 50 | 50 | 14.17 | 14.16 | 14.17 | | |
| 20 | 64QAM | 100 | 0 | 14.18 | 14.13 | 14.19 | | |
| 20 | 256QAM | 1 | 0 | 14.09 | 13.98 | 14.10 | 14.8 | 0 |
| 20 | 256QAM | 1 | 49 | 14.11 | 14.04 | 14.09 | | |
| 20 | 256QAM | 1 | 99 | 14.07 | 14.04 | 14.08 | | |
| 20 | 256QAM | 50 | 0 | 14.06 | 14.13 | 14.11 | 14.8 | 0 |
| 20 | 256QAM | 50 | 24 | 14.13 | 14.15 | 14.13 | | |
| 20 | 256QAM | 50 | 50 | 14.07 | 14.11 | 14.01 | | |
| 20 | 256QAM | 100 | 0 | 14.03 | 14.08 | 14.09 | | |
| Channel | | | | 20825 | 21100 | 21375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 14.11 | 14.03 | 14.09 | 14.8 | 0 |
| 15 | QPSK | 1 | 37 | 14.08 | 14.12 | 14.13 | | |
| 15 | QPSK | 1 | 74 | 14.08 | 14.09 | 14.06 | | |
| 15 | QPSK | 36 | 0 | 14.07 | 14.10 | 13.96 | 14.8 | 0 |
| 15 | QPSK | 36 | 20 | 14.07 | 14.09 | 14.15 | | |
| 15 | QPSK | 36 | 39 | 14.15 | 14.00 | 14.16 | | |
| 15 | QPSK | 75 | 0 | 14.17 | 14.14 | 13.99 | 14.8 | 0 |
| 15 | 16QAM | 1 | 0 | 13.97 | 13.97 | 14.02 | | |
| 15 | 16QAM | 1 | 37 | 14.03 | 13.94 | 13.86 | | |
| 15 | 16QAM | 1 | 74 | 14.09 | 13.95 | 14.05 | 14.8 | 0 |
| 15 | 16QAM | 36 | 0 | 14.05 | 14.01 | 13.92 | | |
| 15 | 16QAM | 36 | 20 | 13.99 | 14.03 | 13.99 | | |
| 15 | 16QAM | 36 | 39 | 14.04 | 13.90 | 14.02 | 14.8 | 0 |
| 15 | 16QAM | 75 | 0 | 14.14 | 14.16 | 14.08 | | |
| 15 | 64QAM | 1 | 0 | 14.01 | 14.11 | 14.18 | | |
| 15 | 64QAM | 1 | 37 | 14.11 | 14.04 | 13.94 | 14.8 | 0 |
| 15 | 64QAM | 1 | 74 | 14.09 | 14.09 | 13.94 | | |
| 15 | 64QAM | 36 | 0 | 14.04 | 14.10 | 14.08 | | |
| 15 | 64QAM | 36 | 20 | 14.09 | 14.01 | 14.05 | 14.8 | 0 |
| 15 | 64QAM | 36 | 39 | 14.13 | 13.97 | 14.07 | | |
| 15 | 64QAM | 75 | 0 | 14.11 | 14.10 | 14.07 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 14.04 | 13.99 | 13.96 | 14.8 | 0 |
| 15 | 256QAM | 1 | 37 | 14.06 | 13.86 | 13.93 | | |
| 15 | 256QAM | 1 | 74 | 14.11 | 13.85 | 14.05 | | |
| 15 | 256QAM | 36 | 0 | 14.01 | 13.85 | 14.09 | 14.8 | 0 |
| 15 | 256QAM | 36 | 20 | 13.99 | 13.98 | 13.93 | | |
| 15 | 256QAM | 36 | 39 | 14.11 | 13.94 | 13.98 | | |
| 15 | 256QAM | 75 | 0 | 13.94 | 13.86 | 14.09 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 14.13 | 14.14 | 14.08 | 14.8 | 0 |
| 10 | QPSK | 1 | 25 | 14.10 | 13.95 | 14.03 | | |
| 10 | QPSK | 1 | 49 | 14.07 | 14.00 | 14.01 | | |
| 10 | QPSK | 25 | 0 | 14.07 | 13.99 | 13.96 | 14.8 | 0 |
| 10 | QPSK | 25 | 12 | 14.05 | 14.05 | 14.16 | | |
| 10 | QPSK | 25 | 25 | 13.99 | 14.09 | 14.04 | | |
| 10 | QPSK | 50 | 0 | 14.00 | 14.13 | 14.00 | | |
| 10 | 16QAM | 1 | 0 | 14.05 | 14.00 | 13.99 | 14.8 | 0 |
| 10 | 16QAM | 1 | 25 | 14.04 | 13.84 | 13.97 | | |
| 10 | 16QAM | 1 | 49 | 14.08 | 13.87 | 13.95 | | |
| 10 | 16QAM | 25 | 0 | 14.04 | 14.05 | 14.01 | 14.8 | 0 |
| 10 | 16QAM | 25 | 12 | 14.12 | 14.03 | 13.88 | | |
| 10 | 16QAM | 25 | 25 | 14.00 | 13.85 | 14.01 | | |
| 10 | 16QAM | 50 | 0 | 14.04 | 14.05 | 14.00 | | |
| 10 | 64QAM | 1 | 0 | 14.12 | 14.00 | 14.16 | 14.8 | 0 |
| 10 | 64QAM | 1 | 25 | 14.02 | 14.07 | 14.06 | | |
| 10 | 64QAM | 1 | 49 | 13.97 | 14.05 | 13.97 | | |
| 10 | 64QAM | 25 | 0 | 14.00 | 13.99 | 14.05 | 14.8 | 0 |
| 10 | 64QAM | 25 | 12 | 14.06 | 14.05 | 14.19 | | |
| 10 | 64QAM | 25 | 25 | 14.03 | 14.01 | 13.97 | | |
| 10 | 64QAM | 50 | 0 | 13.98 | 14.04 | 14.15 | | |
| 10 | 256QAM | 1 | 0 | 14.12 | 14.09 | 13.97 | 14.8 | 0 |
| 10 | 256QAM | 1 | 25 | 13.96 | 14.05 | 13.90 | | |
| 10 | 256QAM | 1 | 49 | 13.99 | 14.09 | 13.96 | | |
| 10 | 256QAM | 25 | 0 | 13.97 | 14.01 | 14.03 | 14.8 | 0 |
| 10 | 256QAM | 25 | 12 | 14.06 | 14.03 | 14.07 | | |
| 10 | 256QAM | 25 | 25 | 13.94 | 13.95 | 14.05 | | |
| 10 | 256QAM | 50 | 0 | 14.08 | 13.99 | 13.89 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 14.12 | 14.14 | 14.16 | 14.8 | 0 |
| 5 | QPSK | 1 | 12 | 14.03 | 13.96 | 14.07 | | |
| 5 | QPSK | 1 | 24 | 14.07 | 14.13 | 14.12 | | |
| 5 | QPSK | 12 | 0 | 14.06 | 14.01 | 13.95 | 14.8 | 0 |
| 5 | QPSK | 12 | 7 | 14.03 | 14.02 | 14.04 | | |
| 5 | QPSK | 12 | 13 | 14.02 | 14.03 | 14.15 | | |
| 5 | QPSK | 25 | 0 | 14.07 | 13.99 | 13.96 | | |
| 5 | 16QAM | 1 | 0 | 14.04 | 14.04 | 13.98 | 14.8 | 0 |
| 5 | 16QAM | 1 | 12 | 14.09 | 13.91 | 13.84 | | |
| 5 | 16QAM | 1 | 24 | 14.03 | 13.87 | 13.97 | | |
| 5 | 16QAM | 12 | 0 | 14.15 | 14.05 | 13.89 | 14.8 | 0 |
| 5 | 16QAM | 12 | 7 | 13.98 | 13.89 | 13.89 | | |
| 5 | 16QAM | 12 | 13 | 14.00 | 13.87 | 13.93 | | |
| 5 | 16QAM | 25 | 0 | 14.11 | 14.10 | 14.01 | | |
| 5 | 64QAM | 1 | 0 | 14.02 | 14.06 | 14.03 | 14.8 | 0 |
| 5 | 64QAM | 1 | 12 | 14.05 | 14.11 | 13.92 | | |
| 5 | 64QAM | 1 | 24 | 13.98 | 14.12 | 14.04 | | |



| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 14.07 | 14.03 | 14.08 | 14.8 | 0 |
| 5 | 64QAM | 12 | 7 | 14.17 | 13.99 | 14.14 | | |
| 5 | 64QAM | 12 | 13 | 14.13 | 14.00 | 14.04 | | |
| 5 | 64QAM | 25 | 0 | 14.06 | 14.08 | 14.05 | 14.8 | 0 |
| 5 | 256QAM | 1 | 0 | 13.93 | 14.07 | 13.98 | | |
| 5 | 256QAM | 1 | 12 | 13.98 | 14.12 | 14.08 | | |
| 5 | 256QAM | 1 | 24 | 14.06 | 14.10 | 14.10 | 14.8 | 0 |
| 5 | 256QAM | 12 | 0 | 14.04 | 14.08 | 14.07 | | |
| 5 | 256QAM | 12 | 7 | 14.06 | 14.03 | 14.15 | | |
| 5 | 256QAM | 12 | 13 | 14.02 | 13.94 | 13.96 | 14.8 | 0 |
| 5 | 256QAM | 25 | 0 | 13.95 | 13.99 | 14.11 | | |



<LTE Band 13>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23230 | | | | |
| Frequency (MHz) | | | | 782 | | | | |
| 10 | QPSK | 1 | 0 | | 21.23 | | 22.3 | 0 |
| 10 | QPSK | 1 | 25 | | 21.18 | | | |
| 10 | QPSK | 1 | 49 | | 21.15 | | | |
| 10 | QPSK | 25 | 0 | | 21.12 | | 22.3 | 0 |
| 10 | QPSK | 25 | 12 | | 21.14 | | | |
| 10 | QPSK | 25 | 25 | | 21.10 | | | |
| 10 | QPSK | 50 | 0 | | 21.15 | | 22.3 | 0 |
| 10 | 16QAM | 1 | 0 | | 21.20 | | | |
| 10 | 16QAM | 1 | 25 | | 21.15 | | | |
| 10 | 16QAM | 1 | 49 | | 21.19 | | 21.3 | 1 |
| 10 | 16QAM | 25 | 0 | | 20.72 | | | |
| 10 | 16QAM | 25 | 12 | | 20.76 | | | |
| 10 | 16QAM | 25 | 25 | | 20.78 | | 21.3 | 1 |
| 10 | 16QAM | 50 | 0 | | 20.70 | | | |
| 10 | 64QAM | 1 | 0 | | 20.34 | | | |
| 10 | 64QAM | 1 | 25 | | 20.52 | | 21.3 | 1 |
| 10 | 64QAM | 1 | 49 | | 20.58 | | | |
| 10 | 64QAM | 25 | 0 | | 19.80 | | | |
| 10 | 64QAM | 25 | 12 | | 19.77 | | 20.3 | 2 |
| 10 | 64QAM | 25 | 25 | | 19.77 | | | |
| 10 | 64QAM | 50 | 0 | | 19.82 | | | |
| 10 | 256QAM | 1 | 0 | | 17.64 | | 18.8 | 1 |
| 10 | 256QAM | 1 | 25 | | 17.63 | | | |
| 10 | 256QAM | 1 | 49 | | 17.65 | | | |
| 10 | 256QAM | 25 | 0 | | 17.67 | | 18.8 | 2 |
| 10 | 256QAM | 25 | 12 | | 17.67 | | | |
| 10 | 256QAM | 25 | 25 | | 17.61 | | | |
| 10 | 256QAM | 50 | 0 | | 17.68 | | | |
| Channel | | | | 23205 | 23230 | 23255 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 5 | QPSK | 1 | 0 | 21.16 | 20.96 | 21.01 | 22.3 | 0 |
| 5 | QPSK | 1 | 12 | 21.09 | 21.11 | 21.12 | | |
| 5 | QPSK | 1 | 24 | 21.15 | 21.05 | 21.08 | | |
| 5 | QPSK | 12 | 0 | 21.15 | 21.10 | 21.08 | 22.3 | 0 |
| 5 | QPSK | 12 | 7 | 21.20 | 21.15 | 21.16 | | |
| 5 | QPSK | 12 | 13 | 21.02 | 21.15 | 21.18 | | |
| 5 | QPSK | 25 | 0 | 21.20 | 21.11 | 21.04 | 22.3 | 0 |
| 5 | 16QAM | 1 | 0 | 21.20 | 20.96 | 21.03 | | |
| 5 | 16QAM | 1 | 12 | 21.04 | 21.03 | 21.07 | | |
| 5 | 16QAM | 1 | 24 | 21.02 | 21.03 | 21.06 | 21.3 | 1 |
| 5 | 16QAM | 12 | 0 | 20.94 | 20.89 | 20.88 | | |
| 5 | 16QAM | 12 | 7 | 21.01 | 20.90 | 20.81 | | |
| 5 | 16QAM | 12 | 13 | 20.99 | 20.89 | 20.90 | 21.3 | 1 |
| 5 | 16QAM | 25 | 0 | 21.00 | 20.83 | 20.88 | | |
| 5 | 64QAM | 1 | 0 | 21.07 | 21.13 | 20.92 | | |
| 5 | 64QAM | 1 | 12 | 21.10 | 21.06 | 20.86 | 21.3 | 1 |
| 5 | 64QAM | 1 | 24 | 20.71 | 20.91 | 20.91 | | |
| 5 | 64QAM | 12 | 0 | 19.65 | 19.84 | 19.70 | | |
| 5 | 64QAM | 12 | 7 | 19.78 | 19.81 | 19.71 | 20.3 | 2 |
| 5 | 64QAM | 12 | 13 | 19.72 | 19.84 | 19.80 | | |
| 5 | 64QAM | 25 | 0 | 19.77 | 19.59 | 19.66 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 17.66 | 17.66 | 17.53 | 18.8 | 1 |
| 5 | 256QAM | 1 | 12 | 17.61 | 17.63 | 17.59 | | |
| 5 | 256QAM | 1 | 24 | 17.59 | 17.62 | 17.52 | | |
| 5 | 256QAM | 12 | 0 | 17.68 | 17.66 | 17.49 | 18.8 | 2 |
| 5 | 256QAM | 12 | 7 | 17.55 | 17.54 | 17.62 | | |
| 5 | 256QAM | 12 | 13 | 17.54 | 17.59 | 17.56 | | |
| 5 | 256QAM | 25 | 0 | 17.53 | 17.55 | 17.39 | | |



<LTE Band 25>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26140 | 26340 | 26590 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1905 | | |
| 20 | QPSK | 1 | 0 | 15.82 | 15.90 | 15.87 | 16.5 | 0 |
| 20 | QPSK | 1 | 49 | 15.78 | 15.87 | 15.83 | | |
| 20 | QPSK | 1 | 99 | 15.75 | 15.81 | 15.76 | | |
| 20 | QPSK | 50 | 0 | 15.85 | 15.85 | 15.82 | 16.5 | 0 |
| 20 | QPSK | 50 | 24 | 15.88 | 15.89 | 15.84 | | |
| 20 | QPSK | 50 | 50 | 15.86 | 15.85 | 15.81 | | |
| 20 | QPSK | 100 | 0 | 15.85 | 15.88 | 15.83 | 16.5 | 0 |
| 20 | 16QAM | 1 | 0 | 15.84 | 15.89 | 15.85 | | |
| 20 | 16QAM | 1 | 49 | 15.81 | 15.58 | 15.87 | | |
| 20 | 16QAM | 1 | 99 | 15.83 | 15.84 | 15.87 | 16.5 | 0 |
| 20 | 16QAM | 50 | 0 | 15.84 | 15.82 | 15.83 | | |
| 20 | 16QAM | 50 | 24 | 15.81 | 15.80 | 15.82 | | |
| 20 | 16QAM | 50 | 50 | 15.89 | 15.84 | 15.83 | 16.5 | 0 |
| 20 | 16QAM | 100 | 0 | 15.80 | 15.88 | 15.80 | | |
| 20 | 64QAM | 1 | 0 | 15.86 | 15.85 | 15.85 | | |
| 20 | 64QAM | 1 | 49 | 15.84 | 15.85 | 15.81 | 16.5 | 0 |
| 20 | 64QAM | 1 | 99 | 15.83 | 15.88 | 15.83 | | |
| 20 | 64QAM | 50 | 0 | 15.84 | 15.84 | 15.85 | | |
| 20 | 64QAM | 50 | 24 | 15.81 | 15.80 | 15.84 | 16.5 | 0 |
| 20 | 64QAM | 50 | 50 | 15.82 | 15.88 | 15.87 | | |
| 20 | 64QAM | 100 | 0 | 15.83 | 15.86 | 15.81 | | |
| 20 | 256QAM | 1 | 0 | 15.72 | 15.87 | 15.86 | 16.5 | 0 |
| 20 | 256QAM | 1 | 49 | 15.70 | 15.85 | 15.79 | | |
| 20 | 256QAM | 1 | 99 | 15.70 | 15.79 | 15.76 | | |
| 20 | 256QAM | 50 | 0 | 15.71 | 15.86 | 15.87 | 16.5 | 0 |
| 20 | 256QAM | 50 | 24 | 15.72 | 15.72 | 15.75 | | |
| 20 | 256QAM | 50 | 50 | 15.75 | 15.82 | 15.87 | | |
| 20 | 256QAM | 100 | 0 | 15.62 | 15.84 | 15.79 | 16.5 | 0 |
| Channel | | | | 26115 | 26340 | 26615 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1907.5 | | |
| 15 | QPSK | 1 | 0 | 15.42 | 15.80 | 15.79 | 16.5 | 0 |
| 15 | QPSK | 1 | 37 | 15.66 | 15.74 | 15.73 | | |
| 15 | QPSK | 1 | 74 | 15.50 | 15.74 | 15.75 | | |
| 15 | QPSK | 36 | 0 | 15.61 | 15.70 | 15.72 | 16.5 | 0 |
| 15 | QPSK | 36 | 20 | 15.78 | 15.89 | 15.81 | | |
| 15 | QPSK | 36 | 39 | 15.74 | 15.85 | 15.84 | | |
| 15 | QPSK | 75 | 0 | 15.72 | 15.82 | 15.83 | 16.5 | 0 |
| 15 | 16QAM | 1 | 0 | 15.80 | 15.70 | 15.76 | | |
| 15 | 16QAM | 1 | 37 | 15.71 | 15.50 | 15.77 | | |
| 15 | 16QAM | 1 | 74 | 15.76 | 15.70 | 15.80 | 16.5 | 0 |
| 15 | 16QAM | 36 | 0 | 15.60 | 15.71 | 15.71 | | |
| 15 | 16QAM | 36 | 20 | 15.77 | 15.88 | 15.87 | | |
| 15 | 16QAM | 36 | 39 | 15.71 | 15.82 | 15.83 | 16.5 | 0 |
| 15 | 16QAM | 75 | 0 | 15.68 | 15.80 | 15.82 | | |
| 15 | 64QAM | 1 | 0 | 15.65 | 15.82 | 15.80 | | |
| 15 | 64QAM | 1 | 37 | 15.82 | 15.87 | 15.82 | 16.5 | 0 |
| 15 | 64QAM | 1 | 74 | 15.71 | 15.84 | 15.81 | | |
| 15 | 64QAM | 36 | 0 | 15.61 | 15.73 | 15.75 | | |
| 15 | 64QAM | 36 | 20 | 15.79 | 15.80 | 15.83 | 16.5 | 0 |
| 15 | 64QAM | 36 | 39 | 15.74 | 15.85 | 15.86 | | |
| 15 | 64QAM | 75 | 0 | 15.71 | 15.81 | 15.88 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 15.28 | 15.63 | 15.75 | 16.5 | 0 |
| 15 | 256QAM | 1 | 37 | 15.24 | 15.63 | 15.79 | | |
| 15 | 256QAM | 1 | 74 | 15.42 | 15.61 | 15.69 | | |
| 15 | 256QAM | 36 | 0 | 15.36 | 15.69 | 15.67 | 16.5 | 0 |
| 15 | 256QAM | 36 | 20 | 15.29 | 15.60 | 15.61 | | |
| 15 | 256QAM | 36 | 39 | 15.28 | 15.78 | 15.75 | | |
| 15 | 256QAM | 75 | 0 | 15.22 | 15.65 | 15.70 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26090 | 26340 | 26640 | | |
| Frequency (MHz) | | | | 1855 | 1880 | 1910 | | |
| 10 | QPSK | 1 | 0 | 15.22 | 15.34 | 15.65 | 16.5 | 0 |
| 10 | QPSK | 1 | 25 | 15.43 | 15.58 | 15.59 | | |
| 10 | QPSK | 1 | 49 | 15.22 | 15.35 | 15.58 | | |
| 10 | QPSK | 25 | 0 | 15.45 | 15.59 | 15.57 | 16.5 | 0 |
| 10 | QPSK | 25 | 12 | 15.61 | 15.72 | 15.66 | | |
| 10 | QPSK | 25 | 25 | 15.55 | 15.68 | 15.71 | | |
| 10 | QPSK | 50 | 0 | 15.55 | 15.67 | 15.63 | 16.5 | 0 |
| 10 | 16QAM | 1 | 0 | 15.60 | 15.69 | 15.87 | | |
| 10 | 16QAM | 1 | 25 | 15.82 | 15.84 | 15.86 | | |
| 10 | 16QAM | 1 | 49 | 15.57 | 15.67 | 15.88 | 16.5 | 0 |
| 10 | 16QAM | 25 | 0 | 15.40 | 15.60 | 15.58 | | |
| 10 | 16QAM | 25 | 12 | 15.58 | 15.74 | 15.69 | | |
| 10 | 16QAM | 25 | 25 | 15.54 | 15.68 | 15.69 | 16.5 | 0 |
| 10 | 16QAM | 50 | 0 | 15.52 | 15.67 | 15.60 | | |
| 10 | 64QAM | 1 | 0 | 15.40 | 15.60 | 15.84 | | |
| 10 | 64QAM | 1 | 25 | 15.77 | 15.80 | 15.80 | 16.5 | 0 |
| 10 | 64QAM | 1 | 49 | 15.49 | 15.66 | 15.82 | | |
| 10 | 64QAM | 25 | 0 | 15.43 | 15.61 | 15.63 | | |
| 10 | 64QAM | 25 | 12 | 15.63 | 15.79 | 15.71 | 16.5 | 0 |
| 10 | 64QAM | 25 | 25 | 15.55 | 15.69 | 15.75 | | |
| 10 | 64QAM | 50 | 0 | 15.54 | 15.68 | 15.59 | | |
| 10 | 256QAM | 1 | 0 | 15.17 | 15.30 | 15.53 | 16.5 | 0 |
| 10 | 256QAM | 1 | 25 | 15.19 | 15.27 | 15.65 | | |
| 10 | 256QAM | 1 | 49 | 15.10 | 15.32 | 15.62 | | |
| 10 | 256QAM | 25 | 0 | 15.05 | 15.17 | 15.60 | 16.5 | 0 |
| 10 | 256QAM | 25 | 12 | 15.14 | 15.27 | 15.53 | | |
| 10 | 256QAM | 25 | 25 | 15.05 | 15.32 | 15.52 | | |
| 10 | 256QAM | 50 | 0 | 15.22 | 15.26 | 15.64 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26065 | 26340 | 26665 | | |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1912.5 | | |
| 5 | QPSK | 1 | 0 | 15.45 | 15.54 | 15.60 | 16.5 | 0 |
| 5 | QPSK | 1 | 12 | 15.47 | 15.63 | 15.69 | | |
| 5 | QPSK | 1 | 24 | 15.48 | 15.65 | 15.65 | | |
| 5 | QPSK | 12 | 0 | 15.58 | 15.64 | 15.63 | 16.5 | 0 |
| 5 | QPSK | 12 | 7 | 15.63 | 15.76 | 15.68 | | |
| 5 | QPSK | 12 | 13 | 15.59 | 15.74 | 15.74 | | |
| 5 | QPSK | 25 | 0 | 15.58 | 15.72 | 15.69 | 16.5 | 0 |
| 5 | 16QAM | 1 | 0 | 15.73 | 15.86 | 15.83 | | |
| 5 | 16QAM | 1 | 12 | 15.73 | 15.88 | 15.80 | | |
| 5 | 16QAM | 1 | 24 | 15.83 | 15.86 | 15.84 | 16.5 | 0 |
| 5 | 16QAM | 12 | 0 | 15.57 | 15.68 | 15.65 | | |
| 5 | 16QAM | 12 | 7 | 15.63 | 15.74 | 15.72 | | |
| 5 | 16QAM | 12 | 13 | 15.60 | 15.76 | 15.75 | 16.5 | 0 |
| 5 | 16QAM | 25 | 0 | 15.60 | 15.75 | 15.68 | | |
| 5 | 64QAM | 1 | 0 | 15.70 | 15.78 | 15.85 | | |
| 5 | 64QAM | 1 | 12 | 15.69 | 15.80 | 15.88 | 16.5 | 0 |
| 5 | 64QAM | 1 | 24 | 15.74 | 15.87 | 15.87 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|------|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 15.62 | 15.73 | 15.70 | 16.5 | 0 | | |
| 5 | 64QAM | 12 | 7 | 15.66 | 15.82 | 15.75 | | | | |
| 5 | 64QAM | 12 | 13 | 15.65 | 15.80 | 15.81 | | | | |
| 5 | 64QAM | 25 | 0 | 15.58 | 15.73 | 15.72 | 16.5 | 0 | | |
| 5 | 256QAM | 1 | 0 | 15.35 | 15.52 | 15.52 | | | | |
| 5 | 256QAM | 1 | 12 | 15.41 | 15.37 | 15.44 | | | | |
| 5 | 256QAM | 1 | 24 | 15.31 | 15.52 | 15.54 | 16.5 | 0 | | |
| 5 | 256QAM | 12 | 0 | 15.30 | 15.37 | 15.49 | | | | |
| 5 | 256QAM | 12 | 7 | 15.28 | 15.40 | 15.52 | | | | |
| 5 | 256QAM | 12 | 13 | 15.45 | 15.49 | 15.45 | 16.5 | 0 | | |
| 5 | 256QAM | 25 | 0 | 15.32 | 15.34 | 15.59 | | | | |
| Channel | | | | 26055 | 26340 | 26675 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1913.5 | | | | |
| 3 | QPSK | 1 | 0 | 15.46 | 15.53 | 15.65 | 16.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 15.53 | 15.69 | 15.68 | | | | |
| 3 | QPSK | 1 | 14 | 15.50 | 15.65 | 15.68 | | | | |
| 3 | QPSK | 8 | 0 | 15.56 | 15.66 | 15.72 | 16.5 | 0 | | |
| 3 | QPSK | 8 | 4 | 15.60 | 15.78 | 15.72 | | | | |
| 3 | QPSK | 8 | 7 | 15.55 | 15.73 | 15.75 | | | | |
| 3 | QPSK | 15 | 0 | 15.57 | 15.73 | 15.71 | 16.5 | 0 | | |
| 3 | 16QAM | 1 | 0 | 15.75 | 15.87 | 15.80 | | | | |
| 3 | 16QAM | 1 | 8 | 15.83 | 15.88 | 15.84 | | | | |
| 3 | 16QAM | 1 | 14 | 15.77 | 15.85 | 15.82 | 16.5 | 0 | | |
| 3 | 16QAM | 8 | 0 | 15.59 | 15.68 | 15.76 | | | | |
| 3 | 16QAM | 8 | 4 | 15.64 | 15.80 | 15.79 | | | | |
| 3 | 16QAM | 8 | 7 | 15.61 | 15.78 | 15.78 | 16.5 | 0 | | |
| 3 | 16QAM | 15 | 0 | 15.59 | 15.75 | 15.76 | | | | |
| 3 | 64QAM | 1 | 0 | 15.68 | 15.81 | 15.85 | | | | |
| 3 | 64QAM | 1 | 8 | 15.77 | 15.87 | 15.84 | 16.5 | 0 | | |
| 3 | 64QAM | 1 | 14 | 15.74 | 15.81 | 15.88 | | | | |
| 3 | 64QAM | 8 | 0 | 15.61 | 15.72 | 15.75 | | | | |
| 3 | 64QAM | 8 | 4 | 15.63 | 15.78 | 15.80 | 16.5 | 0 | | |
| 3 | 64QAM | 8 | 7 | 15.63 | 15.81 | 15.79 | | | | |
| 3 | 64QAM | 15 | 0 | 15.61 | 15.74 | 15.74 | | | | |
| 3 | 256QAM | 1 | 0 | 15.45 | 15.44 | 15.54 | 16.5 | 0 | | |
| 3 | 256QAM | 1 | 8 | 15.29 | 15.47 | 15.52 | | | | |
| 3 | 256QAM | 1 | 14 | 15.42 | 15.37 | 15.47 | | | | |
| 3 | 256QAM | 8 | 0 | 15.30 | 15.35 | 15.54 | 16.5 | 0 | | |
| 3 | 256QAM | 8 | 4 | 15.42 | 15.39 | 15.48 | | | | |
| 3 | 256QAM | 8 | 7 | 15.37 | 15.48 | 15.60 | | | | |
| 3 | 256QAM | 15 | 0 | 15.40 | 15.51 | 15.56 | 16.5 | 0 | | |
| Channel | | | | 26047 | 26340 | 26683 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1914.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 15.36 | 15.44 | 15.53 | 16.5 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 15.45 | 15.60 | 15.60 | | | | |
| 1.4 | QPSK | 1 | 5 | 15.41 | 15.55 | 15.54 | | | | |
| 1.4 | QPSK | 3 | 0 | 15.44 | 15.54 | 15.56 | 16.5 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 15.45 | 15.59 | 15.58 | | | | |
| 1.4 | QPSK | 3 | 3 | 15.43 | 15.56 | 15.56 | | | | |
| 1.4 | QPSK | 6 | 0 | 15.52 | 15.63 | 15.62 | 16.5 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 15.68 | 15.81 | 15.81 | 16.5 | 0 | | |
| 1.4 | 16QAM | 1 | 3 | 15.74 | 15.87 | 15.87 | | | | |
| 1.4 | 16QAM | 1 | 5 | 15.67 | 15.81 | 15.87 | | | | |
| 1.4 | 16QAM | 3 | 0 | 15.46 | 15.61 | 15.64 | 16.5 | 0 | | |
| 1.4 | 16QAM | 3 | 1 | 15.51 | 15.67 | 15.66 | | | | |
| 1.4 | 16QAM | 3 | 3 | 15.46 | 15.61 | 15.63 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 15.55 | 15.71 | 15.70 | 16.5 | 0 |
| 1.4 | 64QAM | 1 | 0 | 15.66 | 15.70 | 15.75 | 16.5 | 0 |
| 1.4 | 64QAM | 1 | 3 | 15.70 | 15.86 | 15.86 | | |
| 1.4 | 64QAM | 1 | 5 | 15.67 | 15.78 | 15.79 | | |
| 1.4 | 64QAM | 3 | 0 | 15.59 | 15.75 | 15.76 | | |
| 1.4 | 64QAM | 3 | 1 | 15.64 | 15.80 | 15.81 | | |
| 1.4 | 64QAM | 3 | 3 | 15.62 | 15.73 | 15.75 | | |
| 1.4 | 64QAM | 6 | 0 | 15.50 | 15.64 | 15.66 | 16.5 | 3 |
| 1.4 | 256QAM | 1 | 0 | 15.36 | 15.26 | 15.50 | 16.5 | 0 |
| 1.4 | 256QAM | 1 | 3 | 15.17 | 15.30 | 15.47 | | |
| 1.4 | 256QAM | 1 | 5 | 15.29 | 15.26 | 15.46 | | |
| 1.4 | 256QAM | 3 | 0 | 15.17 | 15.29 | 15.34 | | |
| 1.4 | 256QAM | 3 | 1 | 15.18 | 15.36 | 15.40 | | |
| 1.4 | 256QAM | 3 | 3 | 15.35 | 15.30 | 15.41 | | |
| 1.4 | 256QAM | 6 | 0 | 15.23 | 15.43 | 15.44 | 16.5 | 0 |



<LTE Band 26>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26765 | 26865 | 26965 | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | |
| 15 | QPSK | 1 | 0 | 21.26 | 21.30 | 21.27 | | |
| 15 | QPSK | 1 | 37 | 21.22 | 21.21 | 21.17 | 22.3 | 0 |
| 15 | QPSK | 1 | 74 | 21.20 | 21.16 | 21.01 | | |
| 15 | QPSK | 36 | 0 | 21.22 | 21.21 | 21.16 | | |
| 15 | QPSK | 36 | 20 | 21.26 | 21.27 | 21.21 | 22.3 | 0 |
| 15 | QPSK | 36 | 39 | 21.25 | 21.22 | 21.18 | | |
| 15 | QPSK | 75 | 0 | 21.18 | 21.22 | 21.14 | | |
| 15 | 16QAM | 1 | 0 | 21.26 | 21.26 | 21.29 | 22.3 | 0 |
| 15 | 16QAM | 1 | 37 | 21.29 | 21.25 | 21.28 | | |
| 15 | 16QAM | 1 | 74 | 21.26 | 21.28 | 21.25 | | |
| 15 | 16QAM | 36 | 0 | 20.70 | 20.71 | 20.68 | 21.3 | 1 |
| 15 | 16QAM | 36 | 20 | 20.84 | 20.76 | 20.80 | | |
| 15 | 16QAM | 36 | 39 | 20.77 | 20.73 | 20.70 | | |
| 15 | 16QAM | 75 | 0 | 20.80 | 20.69 | 20.75 | | |
| 15 | 64QAM | 1 | 0 | 21.08 | 21.03 | 21.01 | 21.3 | 1 |
| 15 | 64QAM | 1 | 37 | 21.05 | 20.87 | 20.64 | | |
| 15 | 64QAM | 1 | 74 | 21.06 | 20.58 | 20.69 | | |
| 15 | 64QAM | 36 | 0 | 19.70 | 19.64 | 19.63 | 20.3 | 2 |
| 15 | 64QAM | 36 | 20 | 19.73 | 19.76 | 19.81 | | |
| 15 | 64QAM | 36 | 39 | 19.66 | 19.68 | 19.68 | | |
| 15 | 64QAM | 75 | 0 | 19.75 | 19.62 | 19.64 | | |
| 15 | 256QAM | 1 | 0 | 17.62 | 17.66 | 17.67 | 18.8 | 1 |
| 15 | 256QAM | 1 | 37 | 17.65 | 17.65 | 17.61 | | |
| 15 | 256QAM | 1 | 74 | 17.62 | 17.67 | 17.66 | | |
| 15 | 256QAM | 36 | 0 | 17.66 | 17.65 | 17.64 | 18.8 | 2 |
| 15 | 256QAM | 36 | 20 | 17.62 | 17.63 | 17.64 | | |
| 15 | 256QAM | 36 | 39 | 17.64 | 17.63 | 17.65 | | |
| 15 | 256QAM | 75 | 0 | 17.66 | 17.65 | 17.66 | | |
| Channel | | | | 26740 | 26865 | 26990 | | |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 21.01 | 21.25 | 21.03 | | |
| 10 | QPSK | 1 | 25 | 21.07 | 21.03 | 21.03 | 22.3 | 0 |
| 10 | QPSK | 1 | 49 | 21.12 | 21.06 | 20.91 | | |
| 10 | QPSK | 25 | 0 | 20.96 | 20.99 | 20.92 | | |
| 10 | QPSK | 25 | 12 | 21.23 | 21.00 | 21.01 | 22.3 | 0 |
| 10 | QPSK | 25 | 25 | 20.99 | 20.99 | 21.02 | | |
| 10 | QPSK | 50 | 0 | 21.10 | 21.03 | 20.91 | | |
| 10 | 16QAM | 1 | 0 | 21.28 | 21.25 | 21.29 | 22.3 | 0 |
| 10 | 16QAM | 1 | 25 | 21.27 | 21.27 | 21.22 | | |
| 10 | 16QAM | 1 | 49 | 21.29 | 21.19 | 21.29 | | |
| 10 | 16QAM | 25 | 0 | 20.56 | 20.44 | 20.37 | 21.3 | 1 |
| 10 | 16QAM | 25 | 12 | 20.75 | 20.61 | 20.46 | | |
| 10 | 16QAM | 25 | 25 | 20.55 | 20.49 | 20.49 | | |
| 10 | 16QAM | 50 | 0 | 20.60 | 20.47 | 20.42 | | |
| 10 | 64QAM | 1 | 0 | 20.84 | 20.81 | 20.86 | 21.3 | 1 |
| 10 | 64QAM | 1 | 25 | 20.96 | 21.03 | 20.74 | | |
| 10 | 64QAM | 1 | 49 | 21.01 | 20.76 | 20.69 | | |
| 10 | 64QAM | 25 | 0 | 19.48 | 19.55 | 19.43 | 20.3 | 2 |
| 10 | 64QAM | 25 | 12 | 19.74 | 19.71 | 19.57 | | |
| 10 | 64QAM | 25 | 25 | 19.60 | 19.56 | 19.57 | | |
| 10 | 64QAM | 50 | 0 | 19.56 | 19.40 | 19.44 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 10 | 256QAM | 1 | 0 | 17.56 | 17.61 | 17.57 | 18.8 | 1 |
| 10 | 256QAM | 1 | 25 | 17.59 | 17.52 | 17.58 | | |
| 10 | 256QAM | 1 | 49 | 17.53 | 17.59 | 17.52 | | |
| 10 | 256QAM | 25 | 0 | 17.56 | 17.56 | 17.54 | 18.8 | 2 |
| 10 | 256QAM | 25 | 12 | 17.60 | 17.57 | 17.56 | | |
| 10 | 256QAM | 25 | 25 | 17.60 | 17.61 | 17.56 | | |
| 10 | 256QAM | 50 | 0 | 17.56 | 17.53 | 17.57 | | |
| Channel | | | | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 816.5 | 831.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 20.88 | 20.98 | 20.86 | 22.3 | 0 |
| 5 | QPSK | 1 | 12 | 21.09 | 20.95 | 20.98 | | |
| 5 | QPSK | 1 | 24 | 20.87 | 20.97 | 20.81 | | |
| 5 | QPSK | 12 | 0 | 21.16 | 21.02 | 20.96 | 22.3 | 0 |
| 5 | QPSK | 12 | 7 | 21.22 | 21.20 | 21.00 | | |
| 5 | QPSK | 12 | 13 | 21.14 | 21.17 | 21.07 | | |
| 5 | QPSK | 25 | 0 | 21.10 | 21.04 | 21.00 | | |
| 5 | 16QAM | 1 | 0 | 21.27 | 21.26 | 21.13 | 22.3 | 0 |
| 5 | 16QAM | 1 | 12 | 21.28 | 21.25 | 21.23 | | |
| 5 | 16QAM | 1 | 24 | 21.25 | 21.23 | 21.20 | | |
| 5 | 16QAM | 12 | 0 | 20.58 | 20.56 | 20.43 | 21.3 | 1 |
| 5 | 16QAM | 12 | 7 | 20.61 | 20.67 | 20.52 | | |
| 5 | 16QAM | 12 | 13 | 20.61 | 20.62 | 20.58 | | |
| 5 | 16QAM | 25 | 0 | 20.68 | 20.59 | 20.50 | | |
| 5 | 64QAM | 1 | 0 | 20.67 | 20.59 | 20.59 | 21.3 | 1 |
| 5 | 64QAM | 1 | 12 | 20.67 | 20.71 | 20.62 | | |
| 5 | 64QAM | 1 | 24 | 20.81 | 20.66 | 20.57 | | |
| 5 | 64QAM | 12 | 0 | 19.66 | 19.62 | 19.50 | 20.3 | 2 |
| 5 | 64QAM | 12 | 7 | 19.70 | 19.68 | 19.55 | | |
| 5 | 64QAM | 12 | 13 | 19.64 | 19.72 | 19.58 | | |
| 5 | 64QAM | 25 | 0 | 19.69 | 19.58 | 19.57 | | |
| 5 | 256QAM | 1 | 0 | 17.42 | 17.39 | 17.39 | 18.8 | 1 |
| 5 | 256QAM | 1 | 12 | 17.42 | 17.41 | 17.42 | | |
| 5 | 256QAM | 1 | 24 | 17.43 | 17.39 | 17.43 | | |
| 5 | 256QAM | 12 | 0 | 17.38 | 17.46 | 17.38 | 18.8 | 2 |
| 5 | 256QAM | 12 | 7 | 17.46 | 17.43 | 17.37 | | |
| 5 | 256QAM | 12 | 13 | 17.45 | 17.42 | 17.38 | | |
| 5 | 256QAM | 25 | 0 | 17.46 | 17.40 | 17.37 | | |
| Channel | | | | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 815.5 | 831.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 20.96 | 20.93 | 21.02 | 22.3 | 0 |
| 3 | QPSK | 1 | 8 | 21.03 | 21.09 | 21.00 | | |
| 3 | QPSK | 1 | 14 | 21.15 | 20.96 | 20.88 | | |
| 3 | QPSK | 8 | 0 | 21.16 | 21.09 | 21.00 | 22.3 | 0 |
| 3 | QPSK | 8 | 4 | 21.23 | 21.13 | 21.04 | | |
| 3 | QPSK | 8 | 7 | 21.14 | 21.10 | 20.98 | | |
| 3 | QPSK | 15 | 0 | 21.13 | 21.05 | 21.04 | | |
| 3 | 16QAM | 1 | 0 | 21.26 | 21.25 | 21.23 | 22.3 | 0 |
| 3 | 16QAM | 1 | 8 | 21.25 | 21.23 | 21.25 | | |
| 3 | 16QAM | 1 | 14 | 21.29 | 21.28 | 21.29 | | |
| 3 | 16QAM | 8 | 0 | 20.60 | 20.58 | 20.55 | 21.3 | 1 |
| 3 | 16QAM | 8 | 4 | 20.77 | 20.75 | 20.65 | | |
| 3 | 16QAM | 8 | 7 | 20.65 | 20.67 | 20.54 | | |
| 3 | 16QAM | 15 | 0 | 20.73 | 20.62 | 20.60 | | |
| 3 | 64QAM | 1 | 0 | 20.85 | 20.34 | 20.86 | 21.3 | 1 |
| 3 | 64QAM | 1 | 8 | 20.77 | 20.48 | 20.86 | | |
| 3 | 64QAM | 1 | 14 | 20.56 | 20.54 | 20.75 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 3 | 64QAM | 8 | 0 | 19.58 | 19.66 | 19.59 | 20.3 | 2 |
| 3 | 64QAM | 8 | 4 | 19.69 | 19.79 | 19.59 | | |
| 3 | 64QAM | 8 | 7 | 19.58 | 19.65 | 19.55 | | |
| 3 | 64QAM | 15 | 0 | 19.71 | 19.60 | 19.58 | | |
| 3 | 256QAM | 1 | 0 | 17.41 | 17.32 | 17.41 | 18.8 | 1 |
| 3 | 256QAM | 1 | 8 | 17.38 | 17.32 | 17.40 | | |
| 3 | 256QAM | 1 | 14 | 17.34 | 17.33 | 17.34 | | |
| 3 | 256QAM | 8 | 0 | 17.34 | 17.35 | 17.36 | 18.8 | 2 |
| 3 | 256QAM | 8 | 4 | 17.33 | 17.34 | 17.35 | | |
| 3 | 256QAM | 8 | 7 | 17.42 | 17.40 | 17.37 | | |
| 3 | 256QAM | 15 | 0 | 17.36 | 17.33 | 17.33 | | |
| Channel | | | | 26697 | 26865 | 27033 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 814.7 | 831.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 21.08 | 20.91 | 20.86 | 22.3 | 0 |
| 1.4 | QPSK | 1 | 3 | 21.08 | 21.02 | 20.99 | | |
| 1.4 | QPSK | 1 | 5 | 20.97 | 21.02 | 20.83 | | |
| 1.4 | QPSK | 3 | 0 | 21.02 | 20.86 | 20.83 | | |
| 1.4 | QPSK | 3 | 1 | 21.08 | 20.98 | 20.96 | | |
| 1.4 | QPSK | 3 | 3 | 21.05 | 21.00 | 20.92 | | |
| 1.4 | QPSK | 6 | 0 | 21.08 | 20.97 | 20.92 | 22.3 | 0 |
| 1.4 | 16QAM | 1 | 0 | 21.25 | 21.27 | 21.15 | 22.3 | 0 |
| 1.4 | 16QAM | 1 | 3 | 21.29 | 21.28 | 21.26 | | |
| 1.4 | 16QAM | 1 | 5 | 21.22 | 21.22 | 21.28 | | |
| 1.4 | 16QAM | 3 | 0 | 21.19 | 21.07 | 20.89 | | |
| 1.4 | 16QAM | 3 | 1 | 21.18 | 20.97 | 20.93 | | |
| 1.4 | 16QAM | 3 | 3 | 21.13 | 21.04 | 20.97 | | |
| 1.4 | 16QAM | 6 | 0 | 20.61 | 20.59 | 20.61 | 21.3 | 1 |
| 1.4 | 64QAM | 1 | 0 | 20.64 | 20.65 | 20.83 | 21.3 | 1 |
| 1.4 | 64QAM | 1 | 3 | 20.77 | 20.78 | 20.87 | | |
| 1.4 | 64QAM | 1 | 5 | 20.73 | 20.69 | 20.73 | | |
| 1.4 | 64QAM | 3 | 0 | 20.81 | 20.75 | 20.63 | | |
| 1.4 | 64QAM | 3 | 1 | 20.94 | 20.77 | 20.65 | | |
| 1.4 | 64QAM | 3 | 3 | 20.90 | 20.77 | 20.58 | | |
| 1.4 | 64QAM | 6 | 0 | 19.60 | 19.53 | 19.40 | 20.3 | 2 |
| 1.4 | 256QAM | 1 | 0 | 17.35 | 17.41 | 17.37 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.38 | 17.38 | 17.39 | | |
| 1.4 | 256QAM | 1 | 5 | 17.40 | 17.38 | 17.42 | | |
| 1.4 | 256QAM | 3 | 0 | 17.32 | 17.42 | 17.32 | | |
| 1.4 | 256QAM | 3 | 1 | 17.34 | 17.32 | 17.35 | | |
| 1.4 | 256QAM | 3 | 3 | 17.36 | 17.40 | 17.33 | | |
| 1.4 | 256QAM | 6 | 0 | 17.37 | 17.33 | 17.38 | 18.8 | 0 |



<LTE Band 30>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 27710 | | | | |
| Frequency (MHz) | | | | 2310 | | | | |
| 10 | QPSK | 1 | 0 | | 15.66 | | 16.3 | 0 |
| 10 | QPSK | 1 | 25 | | 15.58 | | | |
| 10 | QPSK | 1 | 49 | | 15.50 | | | |
| 10 | QPSK | 25 | 0 | | 15.61 | | 16.3 | 0 |
| 10 | QPSK | 25 | 12 | | 15.65 | | | |
| 10 | QPSK | 25 | 25 | | 15.54 | | | |
| 10 | QPSK | 50 | 0 | | 15.60 | | 16.3 | 0 |
| 10 | 16QAM | 1 | 0 | | 15.59 | | | |
| 10 | 16QAM | 1 | 25 | | 15.59 | | | |
| 10 | 16QAM | 1 | 49 | | 15.50 | | 16.3 | 0 |
| 10 | 16QAM | 25 | 0 | | 15.62 | | | |
| 10 | 16QAM | 25 | 12 | | 15.57 | | | |
| 10 | 16QAM | 25 | 25 | | 15.52 | | 16.3 | 0 |
| 10 | 16QAM | 50 | 0 | | 15.61 | | | |
| 10 | 64QAM | 1 | 0 | | 15.59 | | | |
| 10 | 64QAM | 1 | 25 | | 15.57 | | 16.3 | 0 |
| 10 | 64QAM | 1 | 49 | | 15.58 | | | |
| 10 | 64QAM | 25 | 0 | | 15.63 | | | |
| 10 | 64QAM | 25 | 12 | | 15.60 | | 16.3 | 0 |
| 10 | 64QAM | 25 | 25 | | 15.57 | | | |
| 10 | 64QAM | 50 | 0 | | 15.61 | | | |
| 10 | 256QAM | 1 | 0 | | 15.57 | | 16.3 | 0 |
| 10 | 256QAM | 1 | 25 | | 15.56 | | | |
| 10 | 256QAM | 1 | 49 | | 15.58 | | | |
| 10 | 256QAM | 25 | 0 | | 15.56 | | 16.3 | 0 |
| 10 | 256QAM | 25 | 12 | | 15.57 | | | |
| 10 | 256QAM | 25 | 25 | | 15.51 | | | |
| 10 | 256QAM | 50 | 0 | | 15.57 | | | |
| Channel | | | | 27685 | 27710 | 27735 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | | |
| 5 | QPSK | 1 | 0 | 15.61 | 15.55 | 15.56 | 16.3 | 0 |
| 5 | QPSK | 1 | 12 | 15.60 | 15.65 | 15.61 | | |
| 5 | QPSK | 1 | 24 | 15.59 | 15.48 | 15.53 | | |
| 5 | QPSK | 12 | 0 | 15.64 | 15.62 | 15.64 | 16.3 | 0 |
| 5 | QPSK | 12 | 7 | 15.62 | 15.61 | 15.60 | | |
| 5 | QPSK | 12 | 13 | 15.63 | 15.65 | 15.63 | | |
| 5 | QPSK | 25 | 0 | 15.61 | 15.65 | 15.62 | 16.3 | 0 |
| 5 | 16QAM | 1 | 0 | 15.46 | 15.44 | 15.48 | | |
| 5 | 16QAM | 1 | 12 | 15.51 | 15.41 | 15.42 | | |
| 5 | 16QAM | 1 | 24 | 15.33 | 15.32 | 15.38 | 16.3 | 0 |
| 5 | 16QAM | 12 | 0 | 15.51 | 15.58 | 15.50 | | |
| 5 | 16QAM | 12 | 7 | 15.55 | 15.49 | 15.53 | | |
| 5 | 16QAM | 12 | 13 | 15.43 | 15.48 | 15.46 | 16.3 | 0 |
| 5 | 16QAM | 25 | 0 | 15.57 | 15.56 | 15.54 | | |
| 5 | 64QAM | 1 | 0 | 15.41 | 15.58 | 15.46 | | |
| 5 | 64QAM | 1 | 12 | 15.47 | 15.53 | 15.41 | 16.3 | 0 |
| 5 | 64QAM | 1 | 24 | 15.49 | 15.57 | 15.57 | | |
| 5 | 64QAM | 12 | 0 | 15.53 | 15.61 | 15.44 | | |
| 5 | 64QAM | 12 | 7 | 15.47 | 15.42 | 15.49 | 16.3 | 0 |
| 5 | 64QAM | 12 | 13 | 15.41 | 15.55 | 15.40 | | |
| 5 | 64QAM | 25 | 0 | 15.57 | 15.45 | 15.60 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 15.60 | 15.49 | 15.50 | 16.3 | 0 |
| 5 | 256QAM | 1 | 12 | 15.56 | 15.51 | 15.47 | | |
| 5 | 256QAM | 1 | 24 | 15.51 | 15.51 | 15.56 | | |
| 5 | 256QAM | 12 | 0 | 15.60 | 15.52 | 15.54 | 16.3 | 0 |
| 5 | 256QAM | 12 | 7 | 15.58 | 15.55 | 15.56 | | |
| 5 | 256QAM | 12 | 13 | 15.61 | 15.52 | 15.53 | | |
| 5 | 256QAM | 25 | 0 | 15.53 | 15.48 | 15.47 | | |



<LTE Band 66>

| Channel | Frequency (MHz) | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|-----------------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | 132072 | 132322 | 132572 | | |
| Frequency (MHz) | | 1720 | 1745 | 1770 | | |
| 20 | QPSK 1 0 | 20.61 | 20.75 | 20.73 | 22 | 0 |
| 20 | QPSK 1 49 | 20.60 | 20.57 | 20.59 | | |
| 20 | QPSK 1 99 | 20.28 | 20.41 | 20.38 | | |
| 20 | QPSK 50 0 | 19.65 | 19.69 | 19.81 | 21 | 1 |
| 20 | QPSK 50 24 | 19.72 | 19.84 | 19.83 | | |
| 20 | QPSK 50 50 | 19.58 | 19.67 | 19.61 | | |
| 20 | QPSK 100 0 | 19.55 | 19.86 | 19.84 | 21 | 1 |
| 20 | 16QAM 1 0 | 19.92 | 19.80 | 20.27 | | |
| 20 | 16QAM 1 49 | 20.20 | 20.19 | 20.10 | | |
| 20 | 16QAM 1 99 | 19.65 | 19.72 | 20.07 | 20 | 2 |
| 20 | 16QAM 50 0 | 18.56 | 18.66 | 18.68 | | |
| 20 | 16QAM 50 24 | 18.73 | 18.55 | 18.77 | | |
| 20 | 16QAM 50 50 | 18.49 | 18.56 | 18.75 | 20 | 2 |
| 20 | 16QAM 100 0 | 18.62 | 18.60 | 18.80 | | |
| 20 | 64QAM 1 0 | 18.58 | 18.69 | 18.96 | | |
| 20 | 64QAM 1 49 | 18.83 | 19.00 | 18.93 | 20 | 2 |
| 20 | 64QAM 1 99 | 18.57 | 18.68 | 18.87 | | |
| 20 | 64QAM 50 0 | 17.75 | 17.87 | 17.78 | | |
| 20 | 64QAM 50 24 | 17.85 | 17.86 | 17.75 | 19 | 3 |
| 20 | 64QAM 50 50 | 17.69 | 17.82 | 17.74 | | |
| 20 | 64QAM 100 0 | 17.77 | 17.85 | 17.77 | | |
| 20 | 256QAM 1 0 | 15.55 | 15.66 | 15.68 | 17 | 2 |
| 20 | 256QAM 1 49 | 15.51 | 15.74 | 15.68 | | |
| 20 | 256QAM 1 99 | 15.61 | 15.65 | 15.73 | | |
| 20 | 256QAM 50 0 | 15.58 | 15.65 | 15.68 | 17 | 3 |
| 20 | 256QAM 50 24 | 15.60 | 15.65 | 15.64 | | |
| 20 | 256QAM 50 50 | 15.61 | 15.75 | 15.64 | | |
| 20 | 256QAM 100 0 | 15.57 | 15.66 | 15.73 | | |
| Channel | | 132047 | 132322 | 132597 | | |
| Frequency (MHz) | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK 1 0 | 20.43 | 20.43 | 20.60 | 22 | 0 |
| 15 | QPSK 1 37 | 20.57 | 20.51 | 20.66 | | |
| 15 | QPSK 1 74 | 20.25 | 20.37 | 20.55 | | |
| 15 | QPSK 36 0 | 19.69 | 19.68 | 19.75 | 21 | 1 |
| 15 | QPSK 36 20 | 19.61 | 19.69 | 19.82 | | |
| 15 | QPSK 36 39 | 19.58 | 19.58 | 19.73 | | |
| 15 | QPSK 75 0 | 19.67 | 19.68 | 19.78 | 21 | 1 |
| 15 | 16QAM 1 0 | 19.78 | 19.85 | 20.09 | | |
| 15 | 16QAM 1 37 | 19.77 | 19.77 | 19.81 | | |
| 15 | 16QAM 1 74 | 19.67 | 19.64 | 19.97 | 20 | 2 |
| 15 | 16QAM 36 0 | 18.56 | 18.59 | 18.77 | | |
| 15 | 16QAM 36 20 | 18.67 | 18.71 | 18.78 | | |
| 15 | 16QAM 36 39 | 18.70 | 18.60 | 18.77 | 20 | 2 |
| 15 | 16QAM 75 0 | 18.70 | 18.59 | 18.80 | | |
| 15 | 64QAM 1 0 | 18.77 | 18.90 | 18.95 | | |
| 15 | 64QAM 1 37 | 18.90 | 18.94 | 18.92 | 20 | 2 |
| 15 | 64QAM 1 74 | 18.68 | 18.81 | 18.87 | | |
| 15 | 64QAM 36 0 | 17.77 | 17.88 | 17.81 | | |
| 15 | 64QAM 36 20 | 17.83 | 17.93 | 17.85 | 19 | 3 |
| 15 | 64QAM 36 39 | 17.73 | 17.85 | 17.77 | | |
| 15 | 64QAM 75 0 | 17.81 | 17.90 | 17.79 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 15.35 | 15.40 | 15.58 | 17 | 2 |
| 15 | 256QAM | 1 | 37 | 15.39 | 15.36 | 15.55 | | |
| 15 | 256QAM | 1 | 74 | 15.41 | 15.41 | 15.58 | | |
| 15 | 256QAM | 36 | 0 | 15.41 | 15.38 | 15.60 | 17 | 3 |
| 15 | 256QAM | 36 | 20 | 15.39 | 15.43 | 15.60 | | |
| 15 | 256QAM | 36 | 39 | 15.41 | 15.41 | 15.57 | | |
| 15 | 256QAM | 75 | 0 | 15.38 | 15.41 | 15.58 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 132022 | 132322 | 132622 | | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 20.07 | 20.07 | 20.19 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 20.31 | 20.30 | 20.36 | | |
| 10 | QPSK | 1 | 49 | 20.06 | 20.04 | 20.08 | | |
| 10 | QPSK | 25 | 0 | 19.39 | 19.36 | 19.50 | 21 | 1 |
| 10 | QPSK | 25 | 12 | 19.51 | 19.44 | 19.64 | | |
| 10 | QPSK | 25 | 25 | 19.33 | 19.31 | 19.32 | | |
| 10 | QPSK | 50 | 0 | 19.38 | 19.38 | 19.54 | 21 | 1 |
| 10 | 16QAM | 1 | 0 | 19.71 | 19.83 | 19.77 | | |
| 10 | 16QAM | 1 | 25 | 19.91 | 19.94 | 20.15 | | |
| 10 | 16QAM | 1 | 49 | 19.73 | 19.75 | 19.87 | 20 | 2 |
| 10 | 16QAM | 25 | 0 | 18.32 | 18.38 | 18.37 | | |
| 10 | 16QAM | 25 | 12 | 18.42 | 18.50 | 18.65 | | |
| 10 | 16QAM | 25 | 25 | 18.37 | 18.44 | 18.53 | 20 | 2 |
| 10 | 16QAM | 50 | 0 | 18.52 | 18.41 | 18.52 | | |
| 10 | 64QAM | 1 | 0 | 18.43 | 18.58 | 18.48 | | |
| 10 | 64QAM | 1 | 25 | 18.81 | 18.94 | 18.72 | 20 | 2 |
| 10 | 64QAM | 1 | 49 | 18.52 | 18.65 | 18.51 | | |
| 10 | 64QAM | 25 | 0 | 17.51 | 17.59 | 17.42 | | |
| 10 | 64QAM | 25 | 12 | 17.64 | 17.72 | 17.61 | 19 | 3 |
| 10 | 64QAM | 25 | 25 | 17.53 | 17.61 | 17.50 | | |
| 10 | 64QAM | 50 | 0 | 17.55 | 17.65 | 17.54 | | |
| 10 | 256QAM | 1 | 0 | 15.07 | 15.08 | 15.11 | 17 | 2 |
| 10 | 256QAM | 1 | 25 | 15.03 | 15.05 | 15.18 | | |
| 10 | 256QAM | 1 | 49 | 15.06 | 15.05 | 15.15 | | |
| 10 | 256QAM | 25 | 0 | 15.04 | 15.04 | 15.15 | 17 | 3 |
| 10 | 256QAM | 25 | 12 | 15.06 | 15.02 | 15.16 | | |
| 10 | 256QAM | 25 | 25 | 15.04 | 15.03 | 15.19 | | |
| 10 | 256QAM | 50 | 0 | 15.07 | 15.02 | 15.10 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 131997 | 132322 | 132647 | | |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 20.19 | 20.22 | 20.47 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 20.32 | 20.43 | 20.56 | | |
| 5 | QPSK | 1 | 24 | 20.29 | 20.39 | 20.44 | | |
| 5 | QPSK | 12 | 0 | 19.48 | 19.39 | 19.56 | 21 | 1 |
| 5 | QPSK | 12 | 7 | 19.45 | 19.48 | 19.64 | | |
| 5 | QPSK | 12 | 13 | 19.46 | 19.34 | 19.58 | | |
| 5 | QPSK | 25 | 0 | 19.48 | 19.47 | 19.63 | 21 | 1 |
| 5 | 16QAM | 1 | 0 | 19.38 | 19.40 | 19.48 | | |
| 5 | 16QAM | 1 | 12 | 19.46 | 19.49 | 19.44 | | |
| 5 | 16QAM | 1 | 24 | 19.42 | 19.43 | 19.45 | 21 | 1 |
| 5 | 16QAM | 12 | 0 | 18.41 | 18.39 | 18.66 | | |
| 5 | 16QAM | 12 | 7 | 18.45 | 18.50 | 18.71 | | |
| 5 | 16QAM | 12 | 13 | 18.40 | 18.36 | 18.58 | 20 | 2 |
| 5 | 16QAM | 25 | 0 | 18.54 | 18.43 | 18.55 | | |
| 5 | 64QAM | 1 | 0 | 18.64 | 18.83 | 18.68 | | |
| 5 | 64QAM | 1 | 12 | 18.71 | 18.79 | 18.64 | 20 | 2 |
| 5 | 64QAM | 1 | 24 | 18.60 | 18.74 | 18.53 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 17.63 | 17.71 | 17.60 | 19 | 3 |
| 5 | 64QAM | 12 | 7 | 17.68 | 17.78 | 17.61 | | |
| 5 | 64QAM | 12 | 13 | 17.58 | 17.66 | 17.55 | | |
| 5 | 64QAM | 25 | 0 | 17.62 | 17.71 | 17.53 | 17 | 2 |
| 5 | 256QAM | 1 | 0 | 15.15 | 15.16 | 15.37 | | |
| 5 | 256QAM | 1 | 12 | 15.14 | 15.19 | 15.47 | | |
| 5 | 256QAM | 1 | 24 | 15.13 | 15.12 | 15.38 | 17 | 3 |
| 5 | 256QAM | 12 | 0 | 15.14 | 15.14 | 15.44 | | |
| 5 | 256QAM | 12 | 7 | 15.10 | 15.14 | 15.37 | | |
| 5 | 256QAM | 12 | 13 | 15.15 | 15.14 | 15.39 | | |
| 5 | 256QAM | 25 | 0 | 15.11 | 15.13 | 15.38 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 131987 | 132322 | 132657 | | |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | |
| 3 | QPSK | 1 | 0 | 20.44 | 20.45 | 20.48 | 22 | 0 |
| 3 | QPSK | 1 | 8 | 20.45 | 20.41 | 20.54 | | |
| 3 | QPSK | 1 | 14 | 20.32 | 20.31 | 20.50 | | |
| 3 | QPSK | 8 | 0 | 19.50 | 19.39 | 19.57 | 21 | 1 |
| 3 | QPSK | 8 | 4 | 19.51 | 19.48 | 19.55 | | |
| 3 | QPSK | 8 | 7 | 19.42 | 19.39 | 19.50 | | |
| 3 | QPSK | 15 | 0 | 19.45 | 19.51 | 19.48 | | |
| 3 | 16QAM | 1 | 0 | 19.50 | 19.92 | 20.10 | 21 | 1 |
| 3 | 16QAM | 1 | 8 | 19.57 | 19.95 | 20.08 | | |
| 3 | 16QAM | 1 | 14 | 19.46 | 19.46 | 19.94 | | |
| 3 | 16QAM | 8 | 0 | 18.64 | 18.54 | 18.68 | 20 | 2 |
| 3 | 16QAM | 8 | 4 | 18.65 | 18.54 | 18.68 | | |
| 3 | 16QAM | 8 | 7 | 18.58 | 18.45 | 18.62 | | |
| 3 | 16QAM | 15 | 0 | 18.64 | 18.48 | 18.56 | | |
| 3 | 64QAM | 1 | 0 | 18.72 | 18.86 | 18.73 | 20 | 2 |
| 3 | 64QAM | 1 | 8 | 18.82 | 18.89 | 18.74 | | |
| 3 | 64QAM | 1 | 14 | 18.67 | 18.77 | 18.59 | | |
| 3 | 64QAM | 8 | 0 | 17.72 | 17.70 | 17.56 | 19 | 3 |
| 3 | 64QAM | 8 | 4 | 17.68 | 17.74 | 17.56 | | |
| 3 | 64QAM | 8 | 7 | 17.62 | 17.68 | 17.55 | | |
| 3 | 64QAM | 15 | 0 | 17.64 | 17.68 | 17.50 | | |
| 3 | 256QAM | 1 | 0 | 15.44 | 15.43 | 15.42 | 17 | 2 |
| 3 | 256QAM | 1 | 8 | 15.43 | 15.45 | 15.48 | | |
| 3 | 256QAM | 1 | 14 | 15.39 | 15.37 | 15.45 | | |
| 3 | 256QAM | 8 | 0 | 15.43 | 15.41 | 15.41 | 17 | 3 |
| 3 | 256QAM | 8 | 4 | 15.42 | 15.44 | 15.45 | | |
| 3 | 256QAM | 8 | 7 | 15.40 | 15.35 | 15.39 | | |
| 3 | 256QAM | 15 | 0 | 15.39 | 15.39 | 15.41 | | |
| Channel | | | | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | |
| 1.4 | QPSK | 1 | 0 | 20.25 | 20.33 | 20.43 | 22 | 0 |
| 1.4 | QPSK | 1 | 3 | 20.36 | 20.36 | 20.52 | | |
| 1.4 | QPSK | 1 | 5 | 20.26 | 20.29 | 20.41 | | |
| 1.4 | QPSK | 3 | 0 | 20.27 | 20.39 | 20.44 | | |
| 1.4 | QPSK | 3 | 1 | 20.35 | 20.36 | 20.45 | | |
| 1.4 | QPSK | 3 | 3 | 20.29 | 20.35 | 20.45 | 21 | 1 |
| 1.4 | QPSK | 6 | 0 | 19.43 | 19.42 | 19.46 | | |
| 1.4 | 16QAM | 1 | 0 | 19.62 | 19.61 | 19.68 | 21 | 1 |
| 1.4 | 16QAM | 1 | 3 | 19.69 | 19.67 | 19.81 | | |
| 1.4 | 16QAM | 1 | 5 | 19.59 | 19.59 | 19.71 | | |
| 1.4 | 16QAM | 3 | 0 | 19.36 | 19.44 | 19.50 | | |
| 1.4 | 16QAM | 3 | 1 | 19.44 | 19.49 | 19.55 | | |
| 1.4 | 16QAM | 3 | 3 | 19.40 | 19.42 | 19.51 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 6 | 0 | 18.50 | 18.47 | 18.52 | 20 | 2 |
| 1.4 | 64QAM | 1 | 0 | 18.62 | 18.86 | 18.65 | 20 | 2 |
| 1.4 | 64QAM | 1 | 3 | 18.73 | 18.87 | 18.68 | | |
| 1.4 | 64QAM | 1 | 5 | 18.63 | 18.79 | 18.66 | | |
| 1.4 | 64QAM | 3 | 0 | 18.54 | 18.73 | 18.55 | | |
| 1.4 | 64QAM | 3 | 1 | 18.65 | 18.78 | 18.59 | | |
| 1.4 | 64QAM | 3 | 3 | 18.62 | 18.70 | 18.58 | | |
| 1.4 | 64QAM | 6 | 0 | 17.55 | 17.64 | 17.46 | 19 | 3 |
| 1.4 | 256QAM | 1 | 0 | 15.24 | 15.33 | 15.36 | 17 | 0 |
| 1.4 | 256QAM | 1 | 3 | 15.21 | 15.30 | 15.37 | | |
| 1.4 | 256QAM | 1 | 5 | 15.25 | 15.26 | 15.41 | | |
| 1.4 | 256QAM | 3 | 0 | 15.19 | 15.33 | 15.34 | | |
| 1.4 | 256QAM | 3 | 1 | 15.18 | 15.25 | 15.39 | | |
| 1.4 | 256QAM | 3 | 3 | 15.20 | 15.23 | 15.33 | | |
| 1.4 | 256QAM | 6 | 0 | 15.19 | 15.29 | 15.33 | 17 | 0 |



LAT Reduced Power Mode for Hotspot On

<LTE Band 2>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 17.44 | 17.55 | 17.51 | 18.3 | 0 |
| 20 | QPSK | 1 | 49 | 17.34 | 17.41 | 17.44 | | |
| 20 | QPSK | 1 | 99 | 17.30 | 17.32 | 17.37 | | |
| 20 | QPSK | 50 | 0 | 17.35 | 17.41 | 17.46 | 18.3 | 0 |
| 20 | QPSK | 50 | 24 | 17.51 | 17.52 | 17.51 | | |
| 20 | QPSK | 50 | 50 | 17.45 | 17.51 | 17.50 | | |
| 20 | QPSK | 100 | 0 | 17.43 | 17.46 | 17.45 | 18.3 | 0 |
| 20 | 16QAM | 1 | 0 | 17.38 | 17.30 | 17.34 | | |
| 20 | 16QAM | 1 | 49 | 17.50 | 17.30 | 17.48 | | |
| 20 | 16QAM | 1 | 99 | 17.42 | 17.48 | 17.36 | 18.3 | 0 |
| 20 | 16QAM | 50 | 0 | 17.37 | 17.45 | 17.47 | | |
| 20 | 16QAM | 50 | 24 | 17.53 | 17.52 | 17.50 | | |
| 20 | 16QAM | 50 | 50 | 17.48 | 17.54 | 17.47 | 18.3 | 0 |
| 20 | 16QAM | 100 | 0 | 17.44 | 17.44 | 17.54 | | |
| 20 | 64QAM | 1 | 0 | 17.41 | 17.48 | 17.43 | | |
| 20 | 64QAM | 1 | 49 | 17.51 | 17.36 | 17.32 | 18.3 | 0 |
| 20 | 64QAM | 1 | 99 | 17.49 | 17.41 | 17.46 | | |
| 20 | 64QAM | 50 | 0 | 17.40 | 17.46 | 17.49 | | |
| 20 | 64QAM | 50 | 24 | 17.46 | 17.54 | 17.35 | 18.3 | 0 |
| 20 | 64QAM | 50 | 50 | 17.49 | 17.48 | 17.49 | | |
| 20 | 64QAM | 100 | 0 | 17.47 | 17.46 | 17.47 | | |
| 20 | 256QAM | 1 | 0 | 17.32 | 17.42 | 17.22 | 18.3 | 0 |
| 20 | 256QAM | 1 | 49 | 17.05 | 17.40 | 17.16 | | |
| 20 | 256QAM | 1 | 99 | 17.26 | 17.25 | 17.32 | | |
| 20 | 256QAM | 50 | 0 | 17.18 | 17.16 | 17.19 | 18.3 | 0 |
| 20 | 256QAM | 50 | 24 | 17.32 | 17.28 | 17.41 | | |
| 20 | 256QAM | 50 | 50 | 17.20 | 17.36 | 17.40 | | |
| 20 | 256QAM | 100 | 0 | 17.38 | 17.38 | 17.43 | | |
| Channel | | | | 18675 | 18900 | 19125 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 17.32 | 17.44 | 17.46 | 18.3 | 0 |
| 15 | QPSK | 1 | 37 | 17.33 | 17.33 | 17.42 | | |
| 15 | QPSK | 1 | 74 | 17.25 | 17.34 | 17.41 | | |
| 15 | QPSK | 36 | 0 | 17.41 | 17.40 | 17.44 | 18.3 | 0 |
| 15 | QPSK | 36 | 20 | 17.45 | 17.51 | 17.52 | | |
| 15 | QPSK | 36 | 39 | 17.45 | 17.53 | 17.48 | | |
| 15 | QPSK | 75 | 0 | 17.46 | 17.47 | 17.47 | 18.3 | 0 |
| 15 | 16QAM | 1 | 0 | 17.48 | 17.47 | 17.47 | | |
| 15 | 16QAM | 1 | 37 | 17.35 | 17.35 | 17.34 | | |
| 15 | 16QAM | 1 | 74 | 17.47 | 17.54 | 17.47 | 18.3 | 0 |
| 15 | 16QAM | 36 | 0 | 17.33 | 17.46 | 17.53 | | |
| 15 | 16QAM | 36 | 20 | 17.54 | 17.51 | 17.42 | | |
| 15 | 16QAM | 36 | 39 | 17.53 | 17.46 | 17.35 | 18.3 | 0 |
| 15 | 16QAM | 75 | 0 | 17.46 | 17.50 | 17.48 | | |
| 15 | 64QAM | 1 | 0 | 17.32 | 17.53 | 17.46 | | |
| 15 | 64QAM | 1 | 37 | 17.46 | 17.34 | 17.43 | 18.3 | 0 |
| 15 | 64QAM | 1 | 74 | 17.32 | 17.54 | 17.35 | | |
| 15 | 64QAM | 36 | 0 | 17.51 | 17.47 | 17.47 | | |
| 15 | 64QAM | 36 | 20 | 17.42 | 17.46 | 17.53 | 18.3 | 0 |
| 15 | 64QAM | 36 | 39 | 17.54 | 17.54 | 17.48 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 64QAM | 75 | 0 | 17.47 | 17.46 | 17.51 | | |
| 15 | 256QAM | 1 | 0 | 17.24 | 17.34 | 17.18 | 18.3 | 0 |
| 15 | 256QAM | 1 | 37 | 16.96 | 17.35 | 17.07 | | |
| 15 | 256QAM | 1 | 74 | 17.24 | 17.25 | 17.23 | | |
| 15 | 256QAM | 36 | 0 | 17.15 | 17.08 | 17.16 | 18.3 | 0 |
| 15 | 256QAM | 36 | 20 | 17.32 | 17.20 | 17.36 | | |
| 15 | 256QAM | 36 | 39 | 17.15 | 17.28 | 17.36 | | |
| 15 | 256QAM | 75 | 0 | 17.37 | 17.28 | 17.38 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 17.46 | 17.28 | 17.38 | 18.3 | 0 |
| 10 | QPSK | 1 | 25 | 17.42 | 17.28 | 17.39 | | |
| 10 | QPSK | 1 | 49 | 17.41 | 17.28 | 17.19 | | |
| 10 | QPSK | 25 | 0 | 17.44 | 17.24 | 17.34 | 18.3 | 0 |
| 10 | QPSK | 25 | 12 | 17.52 | 17.34 | 17.43 | | |
| 10 | QPSK | 25 | 25 | 17.48 | 17.34 | 17.38 | | |
| 10 | QPSK | 50 | 0 | 17.47 | 17.26 | 17.35 | | |
| 10 | 16QAM | 1 | 0 | 17.47 | 17.32 | 17.47 | 18.3 | 0 |
| 10 | 16QAM | 1 | 25 | 17.34 | 17.46 | 17.53 | | |
| 10 | 16QAM | 1 | 49 | 17.47 | 17.40 | 17.47 | | |
| 10 | 16QAM | 25 | 0 | 17.53 | 17.24 | 17.25 | 18.3 | 0 |
| 10 | 16QAM | 25 | 12 | 17.42 | 17.38 | 17.41 | | |
| 10 | 16QAM | 25 | 25 | 17.35 | 17.28 | 17.32 | | |
| 10 | 16QAM | 50 | 0 | 17.48 | 17.17 | 17.40 | | |
| 10 | 64QAM | 1 | 0 | 17.46 | 17.11 | 17.48 | 18.3 | 0 |
| 10 | 64QAM | 1 | 25 | 17.43 | 17.44 | 17.48 | | |
| 10 | 64QAM | 1 | 49 | 17.35 | 17.16 | 17.43 | | |
| 10 | 64QAM | 25 | 0 | 17.47 | 17.34 | 17.26 | 18.3 | 0 |
| 10 | 64QAM | 25 | 12 | 17.53 | 17.46 | 17.41 | | |
| 10 | 64QAM | 25 | 25 | 17.48 | 17.38 | 17.24 | | |
| 10 | 64QAM | 50 | 0 | 17.51 | 17.17 | 17.39 | | |
| 10 | 256QAM | 1 | 0 | 17.17 | 17.32 | 17.08 | 18.3 | 0 |
| 10 | 256QAM | 1 | 25 | 16.89 | 17.28 | 17.04 | | |
| 10 | 256QAM | 1 | 49 | 17.23 | 17.20 | 17.16 | | |
| 10 | 256QAM | 25 | 0 | 17.10 | 16.98 | 17.11 | 18.3 | 0 |
| 10 | 256QAM | 25 | 12 | 17.22 | 17.12 | 17.31 | | |
| 10 | 256QAM | 25 | 25 | 17.15 | 17.23 | 17.27 | | |
| 10 | 256QAM | 50 | 0 | 17.29 | 17.21 | 17.29 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 17.25 | 17.28 | 17.31 | 18.3 | 0 |
| 5 | QPSK | 1 | 12 | 17.45 | 17.31 | 17.38 | | |
| 5 | QPSK | 1 | 24 | 17.19 | 17.17 | 17.19 | | |
| 5 | QPSK | 12 | 0 | 17.27 | 17.37 | 17.41 | 18.3 | 0 |
| 5 | QPSK | 12 | 7 | 17.37 | 17.34 | 17.46 | | |
| 5 | QPSK | 12 | 13 | 17.16 | 17.35 | 17.40 | | |
| 5 | QPSK | 25 | 0 | 17.30 | 17.36 | 17.39 | | |
| 5 | 16QAM | 1 | 0 | 17.40 | 17.35 | 17.35 | 18.3 | 0 |
| 5 | 16QAM | 1 | 12 | 17.40 | 17.37 | 17.44 | | |
| 5 | 16QAM | 1 | 24 | 17.31 | 17.38 | 17.38 | | |
| 5 | 16QAM | 12 | 0 | 17.46 | 17.43 | 17.40 | 18.3 | 0 |
| 5 | 16QAM | 12 | 7 | 17.43 | 17.41 | 17.52 | | |
| 5 | 16QAM | 12 | 13 | 17.34 | 17.37 | 17.38 | | |
| 5 | 16QAM | 25 | 0 | 17.43 | 17.29 | 17.39 | | |
| 5 | 64QAM | 1 | 0 | 17.48 | 17.46 | 17.41 | 18.3 | 0 |
| 5 | 64QAM | 1 | 12 | 17.47 | 17.50 | 17.37 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 1 | 24 | 17.52 | 17.45 | 17.44 | | |
| 5 | 64QAM | 12 | 0 | 17.36 | 17.47 | 17.45 | 18.3 | 0 |
| 5 | 64QAM | 12 | 7 | 17.48 | 17.47 | 17.45 | | |
| 5 | 64QAM | 12 | 13 | 17.37 | 17.39 | 17.36 | | |
| 5 | 64QAM | 25 | 0 | 17.41 | 17.39 | 17.39 | | |
| 5 | 256QAM | 1 | 0 | 17.08 | 17.29 | 17.08 | 18.3 | 0 |
| 5 | 256QAM | 1 | 12 | 16.84 | 17.20 | 16.97 | | |
| 5 | 256QAM | 1 | 24 | 17.19 | 17.13 | 17.16 | | |
| 5 | 256QAM | 12 | 0 | 17.02 | 16.88 | 17.02 | 18.3 | 0 |
| 5 | 256QAM | 12 | 7 | 17.12 | 17.11 | 17.30 | | |
| 5 | 256QAM | 12 | 13 | 17.15 | 17.22 | 17.21 | | |
| 5 | 256QAM | 25 | 0 | 17.27 | 17.21 | 17.28 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 17.23 | 17.41 | 17.36 | 18.3 | 0 |
| 3 | QPSK | 1 | 8 | 17.15 | 17.39 | 17.33 | | |
| 3 | QPSK | 1 | 14 | 17.06 | 17.26 | 17.26 | | |
| 3 | QPSK | 8 | 0 | 17.39 | 17.41 | 17.47 | 18.3 | 0 |
| 3 | QPSK | 8 | 4 | 17.39 | 17.44 | 17.40 | | |
| 3 | QPSK | 8 | 7 | 17.18 | 17.34 | 17.32 | | |
| 3 | QPSK | 15 | 0 | 17.35 | 17.36 | 17.38 | | |
| 3 | 16QAM | 1 | 0 | 17.50 | 17.47 | 17.37 | 18.3 | 0 |
| 3 | 16QAM | 1 | 8 | 17.45 | 17.49 | 17.32 | | |
| 3 | 16QAM | 1 | 14 | 17.43 | 17.40 | 17.22 | | |
| 3 | 16QAM | 8 | 0 | 17.44 | 17.41 | 17.44 | 18.3 | 0 |
| 3 | 16QAM | 8 | 4 | 17.41 | 17.53 | 17.52 | | |
| 3 | 16QAM | 8 | 7 | 17.33 | 17.38 | 17.54 | | |
| 3 | 16QAM | 15 | 0 | 17.30 | 17.29 | 17.43 | | |
| 3 | 64QAM | 1 | 0 | 17.33 | 17.35 | 17.50 | 18.3 | 0 |
| 3 | 64QAM | 1 | 8 | 17.37 | 17.39 | 17.36 | | |
| 3 | 64QAM | 1 | 14 | 17.54 | 17.40 | 17.35 | | |
| 3 | 64QAM | 8 | 0 | 17.49 | 17.47 | 17.53 | 18.3 | 0 |
| 3 | 64QAM | 8 | 4 | 17.46 | 17.50 | 17.43 | | |
| 3 | 64QAM | 8 | 7 | 17.41 | 17.45 | 17.39 | | |
| 3 | 64QAM | 15 | 0 | 17.35 | 17.42 | 17.49 | | |
| 3 | 256QAM | 1 | 0 | 17.00 | 17.19 | 17.04 | 18.3 | 0 |
| 3 | 256QAM | 1 | 8 | 16.75 | 17.15 | 16.89 | | |
| 3 | 256QAM | 1 | 14 | 17.18 | 17.08 | 17.06 | | |
| 3 | 256QAM | 8 | 0 | 17.00 | 16.84 | 16.98 | 18.3 | 0 |
| 3 | 256QAM | 8 | 4 | 17.08 | 17.04 | 17.22 | | |
| 3 | 256QAM | 8 | 7 | 17.10 | 17.16 | 17.18 | | |
| 3 | 256QAM | 15 | 0 | 17.25 | 17.17 | 17.26 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 17.12 | 17.29 | 17.18 | 18.3 | 0 |
| 1.4 | QPSK | 1 | 3 | 17.22 | 17.20 | 17.33 | | |
| 1.4 | QPSK | 1 | 5 | 17.30 | 17.22 | 17.20 | | |
| 1.4 | QPSK | 3 | 0 | 17.23 | 17.21 | 17.31 | | |
| 1.4 | QPSK | 3 | 1 | 17.20 | 17.29 | 17.28 | | |
| 1.4 | QPSK | 3 | 3 | 17.22 | 17.20 | 17.18 | | |
| 1.4 | QPSK | 6 | 0 | 17.20 | 17.34 | 17.30 | 18.3 | 0 |
| 1.4 | 16QAM | 1 | 0 | 17.33 | 17.39 | 17.47 | 18.3 | 0 |
| 1.4 | 16QAM | 1 | 3 | 17.46 | 17.42 | 17.35 | | |
| 1.4 | 16QAM | 1 | 5 | 17.34 | 17.47 | 17.36 | | |
| 1.4 | 16QAM | 3 | 0 | 17.32 | 17.34 | 17.35 | | |
| 1.4 | 16QAM | 3 | 1 | 17.34 | 17.39 | 17.41 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 3 | 3 | 17.30 | 17.26 | 17.24 | | |
| 1.4 | 16QAM | 6 | 0 | 17.31 | 17.47 | 17.51 | 18.3 | 0 |
| 1.4 | 64QAM | 1 | 0 | 17.44 | 17.54 | 17.35 | 18.3 | 0 |
| 1.4 | 64QAM | 1 | 3 | 17.54 | 17.46 | 17.37 | | |
| 1.4 | 64QAM | 1 | 5 | 17.40 | 17.47 | 17.51 | | |
| 1.4 | 64QAM | 3 | 0 | 17.47 | 17.50 | 17.54 | | |
| 1.4 | 64QAM | 3 | 1 | 17.54 | 17.43 | 17.51 | | |
| 1.4 | 64QAM | 3 | 3 | 17.50 | 17.51 | 17.51 | | |
| 1.4 | 64QAM | 6 | 0 | 17.24 | 17.42 | 17.34 | 18.3 | 0 |
| 1.4 | 256QAM | 1 | 0 | 16.97 | 17.09 | 17.03 | 18.3 | 0 |
| 1.4 | 256QAM | 1 | 3 | 16.73 | 17.11 | 16.83 | | |
| 1.4 | 256QAM | 1 | 5 | 17.09 | 17.04 | 17.06 | | |
| 1.4 | 256QAM | 3 | 0 | 16.94 | 16.81 | 16.92 | | |
| 1.4 | 256QAM | 3 | 1 | 17.06 | 16.95 | 17.13 | | |
| 1.4 | 256QAM | 3 | 3 | 17.10 | 17.09 | 17.12 | | |
| 1.4 | 256QAM | 6 | 0 | 17.24 | 17.14 | 17.26 | 18.3 | 0 |



<LTE Band 4>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20050 | 20175 | 20300 | 20.8 | 0 |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 19.61 | 19.75 | 19.72 | | |
| 20 | QPSK | 1 | 49 | 19.60 | 19.70 | 19.69 | 20.8 | 0 |
| 20 | QPSK | 1 | 99 | 19.37 | 19.39 | 19.39 | | |
| 20 | QPSK | 50 | 0 | 19.63 | 19.67 | 19.65 | | |
| 20 | QPSK | 50 | 24 | 19.67 | 19.70 | 19.69 | 20.8 | 0 |
| 20 | QPSK | 50 | 50 | 19.65 | 19.68 | 19.67 | | |
| 20 | QPSK | 100 | 0 | 19.67 | 19.68 | 19.67 | | |
| 20 | 16QAM | 1 | 0 | 19.69 | 19.72 | 19.66 | 20.8 | 0 |
| 20 | 16QAM | 1 | 49 | 19.74 | 19.74 | 19.66 | | |
| 20 | 16QAM | 1 | 99 | 19.65 | 19.67 | 19.73 | | |
| 20 | 16QAM | 50 | 0 | 19.61 | 19.74 | 19.66 | 20.8 | 0 |
| 20 | 16QAM | 50 | 24 | 19.69 | 19.69 | 19.70 | | |
| 20 | 16QAM | 50 | 50 | 19.69 | 19.67 | 19.68 | | |
| 20 | 16QAM | 100 | 0 | 19.66 | 19.67 | 19.70 | | |
| 20 | 64QAM | 1 | 0 | 19.20 | 19.25 | 19.49 | 20.8 | 0 |
| 20 | 64QAM | 1 | 49 | 19.42 | 19.56 | 19.56 | | |
| 20 | 64QAM | 1 | 99 | 19.38 | 19.39 | 19.49 | | |
| 20 | 64QAM | 50 | 0 | 19.29 | 19.45 | 19.48 | 20.8 | 0 |
| 20 | 64QAM | 50 | 24 | 19.42 | 19.54 | 19.59 | | |
| 20 | 64QAM | 50 | 50 | 19.36 | 19.50 | 19.50 | | |
| 20 | 64QAM | 100 | 0 | 19.36 | 19.44 | 19.54 | | |
| 20 | 256QAM | 1 | 0 | 17.41 | 17.55 | 17.52 | 18.8 | 0 |
| 20 | 256QAM | 1 | 49 | 17.40 | 17.50 | 17.49 | | |
| 20 | 256QAM | 1 | 99 | 17.17 | 17.19 | 17.19 | | |
| 20 | 256QAM | 50 | 0 | 17.43 | 17.47 | 17.45 | 18.8 | 0 |
| 20 | 256QAM | 50 | 24 | 17.47 | 17.50 | 17.49 | | |
| 20 | 256QAM | 50 | 50 | 17.45 | 17.48 | 17.47 | | |
| 20 | 256QAM | 100 | 0 | 17.47 | 17.48 | 17.47 | | |
| Channel | | | | 20025 | 20175 | 20325 | 20.8 | 0 |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | |
| 15 | QPSK | 1 | 0 | 19.31 | 19.50 | 19.57 | 20.8 | 0 |
| 15 | QPSK | 1 | 37 | 19.45 | 19.64 | 19.65 | | |
| 15 | QPSK | 1 | 74 | 19.37 | 19.52 | 19.53 | | |
| 15 | QPSK | 36 | 0 | 19.08 | 19.28 | 19.27 | 20.8 | 0 |
| 15 | QPSK | 36 | 20 | 19.24 | 19.32 | 19.33 | | |
| 15 | QPSK | 36 | 39 | 19.17 | 19.35 | 19.33 | | |
| 15 | QPSK | 75 | 0 | 19.16 | 19.26 | 19.25 | | |
| 15 | 16QAM | 1 | 0 | 19.25 | 19.46 | 19.53 | 20.8 | 0 |
| 15 | 16QAM | 1 | 37 | 19.43 | 19.60 | 19.65 | | |
| 15 | 16QAM | 1 | 74 | 19.35 | 19.43 | 19.47 | | |
| 15 | 16QAM | 36 | 0 | 19.10 | 19.30 | 19.32 | 20.8 | 0 |
| 15 | 16QAM | 36 | 20 | 19.24 | 19.36 | 19.38 | | |
| 15 | 16QAM | 36 | 39 | 19.19 | 19.36 | 19.33 | | |
| 15 | 16QAM | 75 | 0 | 19.19 | 19.30 | 19.30 | | |
| 15 | 64QAM | 1 | 0 | 19.25 | 19.33 | 19.38 | 20.8 | 0 |
| 15 | 64QAM | 1 | 37 | 19.37 | 19.52 | 19.54 | | |
| 15 | 64QAM | 1 | 74 | 19.42 | 19.30 | 19.45 | | |
| 15 | 64QAM | 36 | 0 | 19.10 | 19.28 | 19.30 | 20.8 | 0 |
| 15 | 64QAM | 36 | 20 | 19.25 | 19.35 | 19.34 | | |
| 15 | 64QAM | 36 | 39 | 19.18 | 19.36 | 19.35 | | |
| 15 | 64QAM | 75 | 0 | 19.21 | 19.27 | 19.30 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 17.37 | 17.46 | 17.42 | 18.8 | 0 |
| 15 | 256QAM | 1 | 37 | 17.31 | 17.45 | 17.42 | | |
| 15 | 256QAM | 1 | 74 | 17.12 | 17.12 | 17.17 | | |
| 15 | 256QAM | 36 | 0 | 17.43 | 17.37 | 17.40 | 18.8 | 0 |
| 15 | 256QAM | 36 | 20 | 17.47 | 17.41 | 17.39 | | |
| 15 | 256QAM | 36 | 39 | 17.45 | 17.38 | 17.38 | | |
| 15 | 256QAM | 75 | 0 | 17.47 | 17.48 | 17.45 | | |
| Channel | | | | 20000 | 20175 | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 19.25 | 19.36 | 19.34 | 20.8 | 0 |
| 10 | QPSK | 1 | 25 | 19.43 | 19.64 | 19.58 | | |
| 10 | QPSK | 1 | 49 | 19.22 | 19.32 | 19.30 | | |
| 10 | QPSK | 25 | 0 | 19.41 | 19.60 | 19.58 | 20.8 | 0 |
| 10 | QPSK | 25 | 12 | 19.56 | 19.66 | 19.70 | | |
| 10 | QPSK | 25 | 25 | 19.45 | 19.63 | 19.57 | | |
| 10 | QPSK | 50 | 0 | 19.45 | 19.56 | 19.63 | | |
| 10 | 16QAM | 1 | 0 | 19.17 | 19.23 | 19.29 | 20.8 | 0 |
| 10 | 16QAM | 1 | 25 | 19.38 | 19.09 | 19.52 | | |
| 10 | 16QAM | 1 | 49 | 19.18 | 19.29 | 19.26 | | |
| 10 | 16QAM | 25 | 0 | 18.99 | 19.22 | 19.20 | 20.8 | 0 |
| 10 | 16QAM | 25 | 12 | 19.17 | 19.27 | 19.32 | | |
| 10 | 16QAM | 25 | 25 | 19.02 | 19.20 | 19.18 | | |
| 10 | 16QAM | 50 | 0 | 19.06 | 19.19 | 19.25 | | |
| 10 | 64QAM | 1 | 0 | 19.05 | 19.20 | 19.31 | 20.8 | 0 |
| 10 | 64QAM | 1 | 25 | 19.47 | 19.01 | 19.05 | | |
| 10 | 64QAM | 1 | 49 | 19.07 | 19.23 | 19.34 | | |
| 10 | 64QAM | 25 | 0 | 19.00 | 19.19 | 19.17 | 20.8 | 0 |
| 10 | 64QAM | 25 | 12 | 19.16 | 19.31 | 19.35 | | |
| 10 | 64QAM | 25 | 25 | 19.00 | 19.21 | 19.17 | | |
| 10 | 64QAM | 50 | 0 | 19.05 | 19.18 | 19.22 | | |
| 10 | 256QAM | 1 | 0 | 17.35 | 17.45 | 17.40 | 18.8 | 0 |
| 10 | 256QAM | 1 | 25 | 17.21 | 17.42 | 17.40 | | |
| 10 | 256QAM | 1 | 49 | 17.05 | 17.09 | 17.10 | | |
| 10 | 256QAM | 25 | 0 | 17.42 | 17.31 | 17.30 | 18.8 | 0 |
| 10 | 256QAM | 25 | 12 | 17.45 | 17.35 | 17.32 | | |
| 10 | 256QAM | 25 | 25 | 17.43 | 17.31 | 17.38 | | |
| 10 | 256QAM | 50 | 0 | 17.42 | 17.42 | 17.38 | | |
| Channel | | | | 19975 | 20175 | 20375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 19.38 | 19.56 | 19.51 | 20.8 | 0 |
| 5 | QPSK | 1 | 12 | 19.45 | 19.65 | 19.59 | | |
| 5 | QPSK | 1 | 24 | 19.35 | 19.49 | 19.47 | | |
| 5 | QPSK | 12 | 0 | 19.52 | 19.69 | 19.67 | 20.8 | 0 |
| 5 | QPSK | 12 | 7 | 19.55 | 19.72 | 19.65 | | |
| 5 | QPSK | 12 | 13 | 19.48 | 19.70 | 19.60 | | |
| 5 | QPSK | 25 | 0 | 19.47 | 19.61 | 19.57 | | |
| 5 | 16QAM | 1 | 0 | 19.29 | 19.46 | 19.41 | 20.8 | 0 |
| 5 | 16QAM | 1 | 12 | 19.36 | 19.55 | 19.42 | | |
| 5 | 16QAM | 1 | 24 | 19.26 | 19.48 | 19.34 | | |
| 5 | 16QAM | 12 | 0 | 19.16 | 19.29 | 19.26 | 20.8 | 0 |
| 5 | 16QAM | 12 | 7 | 19.16 | 19.34 | 19.26 | | |
| 5 | 16QAM | 12 | 13 | 19.10 | 19.32 | 19.24 | | |
| 5 | 16QAM | 25 | 0 | 19.11 | 19.26 | 19.20 | | |
| 5 | 64QAM | 1 | 0 | 19.24 | 19.41 | 19.34 | 20.8 | 0 |
| 5 | 64QAM | 1 | 12 | 19.24 | 19.55 | 19.31 | | |
| 5 | 64QAM | 1 | 24 | 19.15 | 19.36 | 19.27 | | |



| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 19.12 | 19.28 | 19.24 | 20.8 | 0 |
| 5 | 64QAM | 12 | 7 | 19.13 | 19.32 | 19.25 | | |
| 5 | 64QAM | 12 | 13 | 19.08 | 19.29 | 19.22 | | |
| 5 | 64QAM | 25 | 0 | 19.09 | 19.29 | 19.22 | 18.8 | 0 |
| 5 | 256QAM | 1 | 0 | 17.26 | 17.35 | 17.34 | | |
| 5 | 256QAM | 1 | 12 | 17.13 | 17.33 | 17.32 | | |
| 5 | 256QAM | 1 | 24 | 16.96 | 17.07 | 17.00 | 18.8 | 0 |
| 5 | 256QAM | 12 | 0 | 17.33 | 17.30 | 17.25 | | |
| 5 | 256QAM | 12 | 7 | 17.40 | 17.30 | 17.29 | | |
| 5 | 256QAM | 12 | 13 | 17.39 | 17.23 | 17.32 | | |
| 5 | 256QAM | 25 | 0 | 17.36 | 17.34 | 17.36 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 19965 | 20175 | 20385 | | |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | |
| 3 | QPSK | 1 | 0 | 19.30 | 19.47 | 19.49 | 20.8 | 0 |
| 3 | QPSK | 1 | 8 | 19.36 | 19.55 | 19.50 | | |
| 3 | QPSK | 1 | 14 | 19.24 | 19.48 | 19.41 | | |
| 3 | QPSK | 8 | 0 | 19.40 | 19.54 | 19.58 | 20.8 | 0 |
| 3 | QPSK | 8 | 4 | 19.41 | 19.60 | 19.58 | | |
| 3 | QPSK | 8 | 7 | 19.38 | 19.54 | 19.51 | | |
| 3 | QPSK | 15 | 0 | 19.37 | 19.51 | 19.54 | | |
| 3 | 16QAM | 1 | 0 | 19.63 | 19.70 | 19.68 | 20.8 | 0 |
| 3 | 16QAM | 1 | 8 | 19.64 | 19.67 | 19.73 | | |
| 3 | 16QAM | 1 | 14 | 19.55 | 19.71 | 19.66 | | |
| 3 | 16QAM | 8 | 0 | 19.45 | 19.63 | 19.62 | 20.8 | 0 |
| 3 | 16QAM | 8 | 4 | 19.48 | 19.66 | 19.64 | | |
| 3 | 16QAM | 8 | 7 | 19.41 | 19.63 | 19.58 | | |
| 3 | 16QAM | 15 | 0 | 19.41 | 19.59 | 19.59 | | |
| 3 | 64QAM | 1 | 0 | 19.57 | 19.71 | 19.73 | | |
| 3 | 64QAM | 1 | 8 | 19.55 | 19.72 | 19.72 | 20.8 | 0 |
| 3 | 64QAM | 1 | 14 | 19.44 | 19.73 | 19.59 | | |
| 3 | 64QAM | 8 | 0 | 19.48 | 19.62 | 19.61 | | |
| 3 | 64QAM | 8 | 4 | 19.49 | 19.67 | 19.64 | 20.8 | 0 |
| 3 | 64QAM | 8 | 7 | 19.43 | 19.66 | 19.59 | | |
| 3 | 64QAM | 15 | 0 | 19.42 | 19.56 | 19.58 | | |
| 3 | 256QAM | 1 | 0 | 17.24 | 17.34 | 17.33 | | |
| 3 | 256QAM | 1 | 8 | 17.07 | 17.30 | 17.30 | 18.8 | 0 |
| 3 | 256QAM | 1 | 14 | 16.86 | 17.02 | 16.98 | | |
| 3 | 256QAM | 8 | 0 | 17.33 | 17.25 | 17.18 | | |
| 3 | 256QAM | 8 | 4 | 17.37 | 17.26 | 17.23 | 18.8 | 0 |
| 3 | 256QAM | 8 | 7 | 17.39 | 17.19 | 17.27 | | |
| 3 | 256QAM | 15 | 0 | 17.26 | 17.33 | 17.32 | | |
| Channel | | | | 19957 | 20175 | 20393 | | |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | |
| 1.4 | QPSK | 1 | 0 | 19.19 | 19.38 | 19.37 | 20.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 19.23 | 19.49 | 19.42 | | |
| 1.4 | QPSK | 1 | 5 | 19.14 | 19.38 | 19.35 | | |
| 1.4 | QPSK | 3 | 0 | 19.22 | 19.39 | 19.38 | | |
| 1.4 | QPSK | 3 | 1 | 19.23 | 19.49 | 19.41 | | |
| 1.4 | QPSK | 3 | 3 | 19.19 | 19.44 | 19.38 | 20.8 | 0 |
| 1.4 | QPSK | 6 | 0 | 19.31 | 19.45 | 19.45 | | |
| 1.4 | 16QAM | 1 | 0 | 19.53 | 19.69 | 19.64 | 20.8 | 0 |
| 1.4 | 16QAM | 1 | 3 | 19.60 | 19.73 | 19.65 | | |
| 1.4 | 16QAM | 1 | 5 | 19.48 | 19.65 | 19.61 | | |
| 1.4 | 16QAM | 3 | 0 | 19.30 | 19.49 | 19.45 | | |
| 1.4 | 16QAM | 3 | 1 | 19.32 | 19.62 | 19.53 | | |
| 1.4 | 16QAM | 3 | 3 | 19.27 | 19.52 | 19.44 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 19.36 | 19.56 | 19.53 | 20.8 | 0 |
| 1.4 | 64QAM | 1 | 0 | 19.42 | 19.62 | 19.62 | 20.8 | 0 |
| 1.4 | 64QAM | 1 | 3 | 19.47 | 19.73 | 19.66 | | |
| 1.4 | 64QAM | 1 | 5 | 19.37 | 19.64 | 19.55 | | |
| 1.4 | 64QAM | 3 | 0 | 19.44 | 19.61 | 19.57 | | |
| 1.4 | 64QAM | 3 | 1 | 19.46 | 19.69 | 19.60 | | |
| 1.4 | 64QAM | 3 | 3 | 19.41 | 19.63 | 19.54 | | |
| 1.4 | 64QAM | 6 | 0 | 19.28 | 19.45 | 19.46 | 20.8 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.21 | 17.31 | 17.28 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.07 | 17.28 | 17.26 | | |
| 1.4 | 256QAM | 1 | 5 | 16.85 | 16.98 | 16.94 | | |
| 1.4 | 256QAM | 3 | 0 | 17.27 | 17.20 | 17.14 | | |
| 1.4 | 256QAM | 3 | 1 | 17.30 | 17.20 | 17.19 | | |
| 1.4 | 256QAM | 3 | 3 | 17.29 | 17.17 | 17.27 | | |
| 1.4 | 256QAM | 6 | 0 | 17.20 | 17.30 | 17.23 | 18.8 | 0 |



<LTE Band 5>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------------------|----------|
| Channel | | | | 20450 | 20525 | 20600 | | | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | | | |
| 10 | QPSK | 1 | 0 | 22.89 | 22.91 | 22.91 | 23.8 | 0 | | |
| 10 | QPSK | 1 | 25 | 22.92 | 22.89 | 22.93 | | | | |
| 10 | QPSK | 1 | 49 | 22.97 | 22.84 | 22.95 | | | | |
| 10 | QPSK | 25 | 0 | 21.91 | 21.92 | 21.95 | 22.8 | 1 | | |
| 10 | QPSK | 25 | 12 | 21.99 | 21.91 | 21.96 | | | | |
| 10 | QPSK | 25 | 25 | 21.95 | 21.87 | 21.96 | | | | |
| 10 | QPSK | 50 | 0 | 21.92 | 21.84 | 21.90 | 22.8 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.25 | 21.90 | 21.89 | | | | |
| 10 | 16QAM | 1 | 25 | 22.11 | 22.01 | 21.87 | | | | |
| 10 | 16QAM | 1 | 49 | 22.17 | 22.05 | 22.39 | 21.8 | 2 | | |
| 10 | 16QAM | 25 | 0 | 20.93 | 20.97 | 20.93 | | | | |
| 10 | 16QAM | 25 | 12 | 21.02 | 20.82 | 20.95 | | | | |
| 10 | 16QAM | 25 | 25 | 20.95 | 20.97 | 20.96 | 21.8 | 2 | | |
| 10 | 16QAM | 50 | 0 | 20.92 | 20.76 | 20.82 | | | | |
| 10 | 64QAM | 1 | 0 | 21.01 | 20.99 | 20.93 | | | | |
| 10 | 64QAM | 1 | 25 | 21.03 | 21.04 | 20.97 | 21.8 | 2 | | |
| 10 | 64QAM | 1 | 49 | 20.70 | 20.96 | 20.95 | | | | |
| 10 | 64QAM | 25 | 0 | 19.76 | 19.78 | 19.83 | | | | |
| 10 | 64QAM | 25 | 12 | 19.84 | 19.82 | 19.86 | 20.8 | 3 | | |
| 10 | 64QAM | 25 | 25 | 19.80 | 19.85 | 19.84 | | | | |
| 10 | 64QAM | 50 | 0 | 19.76 | 19.75 | 19.72 | | | | |
| 10 | 256QAM | 1 | 0 | 21.01 | 20.99 | 20.93 | 20.8 | 2 | | |
| 10 | 256QAM | 1 | 25 | 21.03 | 21.04 | 20.97 | | | | |
| 10 | 256QAM | 1 | 49 | 20.70 | 20.96 | 20.95 | | | | |
| 10 | 256QAM | 25 | 0 | 19.76 | 19.78 | 19.83 | 19.8 | 3 | | |
| 10 | 256QAM | 25 | 12 | 19.84 | 19.82 | 19.86 | | | | |
| 10 | 256QAM | 25 | 25 | 19.80 | 19.85 | 19.84 | | | | |
| 10 | 256QAM | 50 | 0 | 19.76 | 19.75 | 19.72 | 19.8 | 3 | | |
| Channel | | | | 20425 | 20525 | 20625 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | | | |
| 5 | QPSK | 1 | 0 | 22.75 | 22.81 | 22.72 | 23.8 | 0 | | |
| 5 | QPSK | 1 | 12 | 22.93 | 22.87 | 22.93 | | | | |
| 5 | QPSK | 1 | 24 | 22.79 | 22.78 | 22.84 | | | | |
| 5 | QPSK | 12 | 0 | 21.94 | 21.87 | 21.87 | 22.8 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.02 | 21.96 | 21.86 | | | | |
| 5 | QPSK | 12 | 13 | 21.95 | 22.00 | 21.90 | | | | |
| 5 | QPSK | 25 | 0 | 21.97 | 21.96 | 21.88 | 22.8 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.10 | 21.92 | 22.03 | | | | |
| 5 | 16QAM | 1 | 12 | 22.09 | 21.95 | 21.91 | | | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.07 | 21.84 | 21.8 | 2 | | |
| 5 | 16QAM | 12 | 0 | 20.99 | 20.89 | 20.91 | | | | |
| 5 | 16QAM | 12 | 7 | 21.05 | 21.02 | 20.92 | | | | |
| 5 | 16QAM | 12 | 13 | 20.94 | 21.03 | 20.93 | 21.8 | 2 | | |
| 5 | 16QAM | 25 | 0 | 20.89 | 20.92 | 20.93 | | | | |
| 5 | 64QAM | 1 | 0 | 20.96 | 20.92 | 20.93 | | | | |
| 5 | 64QAM | 1 | 12 | 20.96 | 20.99 | 21.03 | 21.8 | 2 | | |
| 5 | 64QAM | 1 | 24 | 20.98 | 20.95 | 20.89 | | | | |
| 5 | 64QAM | 12 | 0 | 19.80 | 19.80 | 19.83 | | | | |
| 5 | 64QAM | 12 | 7 | 19.89 | 19.93 | 19.89 | 20.8 | 3 | | |
| 5 | 64QAM | 12 | 13 | 19.81 | 19.89 | 19.89 | | | | |
| 5 | 64QAM | 25 | 0 | 19.81 | 19.78 | 19.81 | | | | |



| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 20.96 | 20.92 | 20.93 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 20.96 | 20.99 | 21.03 | | |
| 5 | 256QAM | 1 | 24 | 20.98 | 20.95 | 20.89 | | |
| 5 | 256QAM | 12 | 0 | 19.80 | 19.80 | 19.83 | 19.8 | 3 |
| 5 | 256QAM | 12 | 7 | 19.89 | 19.93 | 19.89 | | |
| 5 | 256QAM | 12 | 13 | 19.81 | 19.89 | 19.89 | | |
| 5 | 256QAM | 25 | 0 | 19.81 | 19.78 | 19.81 | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.94 | 22.90 | 22.96 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.96 | 22.96 | 22.95 | | |
| 3 | QPSK | 1 | 14 | 22.93 | 22.95 | 22.78 | | |
| 3 | QPSK | 8 | 0 | 21.88 | 21.90 | 21.99 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 22.03 | 21.99 | 21.97 | | |
| 3 | QPSK | 8 | 7 | 21.90 | 21.95 | 21.98 | | |
| 3 | QPSK | 15 | 0 | 21.97 | 21.90 | 21.93 | | |
| 3 | 16QAM | 1 | 0 | 21.91 | 22.00 | 22.08 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 21.92 | 22.18 | 22.11 | | |
| 3 | 16QAM | 1 | 14 | 21.82 | 22.11 | 22.02 | | |
| 3 | 16QAM | 8 | 0 | 21.05 | 21.05 | 21.13 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 21.23 | 21.20 | 21.06 | | |
| 3 | 16QAM | 8 | 7 | 21.12 | 21.12 | 21.04 | | |
| 3 | 16QAM | 15 | 0 | 21.07 | 21.10 | 20.99 | | |
| 3 | 64QAM | 1 | 0 | 20.91 | 20.94 | 20.98 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.04 | 21.05 | 21.02 | | |
| 3 | 64QAM | 1 | 14 | 21.03 | 20.98 | 20.87 | | |
| 3 | 64QAM | 8 | 0 | 19.81 | 19.81 | 19.87 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.89 | 19.92 | 19.91 | | |
| 3 | 64QAM | 8 | 7 | 19.84 | 19.86 | 19.87 | | |
| 3 | 64QAM | 15 | 0 | 19.84 | 19.78 | 19.86 | | |
| 3 | 256QAM | 1 | 0 | 20.91 | 20.94 | 20.98 | 20.8 | 2 |
| 3 | 256QAM | 1 | 8 | 21.04 | 21.05 | 21.02 | | |
| 3 | 256QAM | 1 | 14 | 21.03 | 20.98 | 20.87 | | |
| 3 | 256QAM | 8 | 0 | 19.81 | 19.81 | 19.87 | 19.8 | 3 |
| 3 | 256QAM | 8 | 4 | 19.89 | 19.92 | 19.91 | | |
| 3 | 256QAM | 8 | 7 | 19.84 | 19.86 | 19.87 | | |
| 3 | 256QAM | 15 | 0 | 19.84 | 19.78 | 19.86 | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.80 | 22.74 | 22.75 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.86 | 22.94 | 22.82 | | |
| 1.4 | QPSK | 1 | 5 | 22.79 | 22.81 | 22.70 | | |
| 1.4 | QPSK | 3 | 0 | 22.80 | 22.66 | 22.74 | | |
| 1.4 | QPSK | 3 | 1 | 22.83 | 22.83 | 22.78 | | |
| 1.4 | QPSK | 3 | 3 | 22.82 | 22.81 | 22.71 | | |
| 1.4 | QPSK | 6 | 0 | 21.93 | 21.76 | 21.79 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.37 | 22.12 | 22.15 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.41 | 22.28 | 22.19 | | |
| 1.4 | 16QAM | 1 | 5 | 22.31 | 22.25 | 22.16 | | |
| 1.4 | 16QAM | 3 | 0 | 21.91 | 21.84 | 21.75 | | |
| 1.4 | 16QAM | 3 | 1 | 21.96 | 21.82 | 21.86 | 21.8 | 2 |
| 1.4 | 16QAM | 3 | 3 | 21.92 | 21.75 | 21.76 | | |
| 1.4 | 16QAM | 6 | 0 | 20.96 | 21.02 | 21.03 | | |
| 1.4 | 64QAM | 1 | 0 | 20.87 | 20.89 | 20.92 | | |
| 1.4 | 64QAM | 1 | 3 | 20.99 | 21.01 | 21.01 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 5 | 20.87 | 20.96 | 20.89 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 20.88 | 20.82 | 20.86 | | |
| 1.4 | 64QAM | 3 | 1 | 20.91 | 20.90 | 20.93 | | |
| 1.4 | 64QAM | 3 | 3 | 20.88 | 20.88 | 20.90 | | |
| 1.4 | 64QAM | 6 | 0 | 19.70 | 19.70 | 19.77 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 20.87 | 20.89 | 20.92 | 22.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 20.99 | 21.01 | 21.01 | | |
| 1.4 | 256QAM | 1 | 5 | 20.87 | 20.96 | 20.89 | | |
| 1.4 | 256QAM | 3 | 0 | 20.88 | 20.82 | 20.86 | | |
| 1.4 | 256QAM | 3 | 1 | 20.91 | 20.90 | 20.93 | | |
| 1.4 | 256QAM | 3 | 3 | 20.88 | 20.88 | 20.90 | | |
| 1.4 | 256QAM | 6 | 0 | 19.70 | 19.70 | 19.77 | 22.8 | 0 |



<LTE Band 7>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20850 | 21100 | 21350 | 18.3 | 0 |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 17.92 | 17.90 | 17.77 | 18.3 | 0 |
| 20 | QPSK | 1 | 49 | 17.88 | 17.84 | 17.74 | | |
| 20 | QPSK | 1 | 99 | 17.81 | 17.90 | 17.75 | | |
| 20 | QPSK | 50 | 0 | 17.82 | 17.80 | 17.87 | 18.3 | 0 |
| 20 | QPSK | 50 | 24 | 17.90 | 17.85 | 17.89 | | |
| 20 | QPSK | 50 | 50 | 17.80 | 17.79 | 17.85 | | |
| 20 | QPSK | 100 | 0 | 17.83 | 17.76 | 17.81 | 18.3 | 0 |
| 20 | 16QAM | 1 | 0 | 17.77 | 17.84 | 17.73 | | |
| 20 | 16QAM | 1 | 49 | 17.77 | 17.86 | 17.75 | | |
| 20 | 16QAM | 1 | 99 | 17.85 | 17.85 | 17.75 | 18.3 | 0 |
| 20 | 16QAM | 50 | 0 | 17.42 | 17.51 | 17.38 | | |
| 20 | 16QAM | 50 | 24 | 17.53 | 17.52 | 17.37 | | |
| 20 | 16QAM | 50 | 50 | 17.55 | 17.48 | 17.35 | 18.3 | 0 |
| 20 | 16QAM | 100 | 0 | 17.42 | 17.43 | 17.30 | | |
| 20 | 64QAM | 1 | 0 | 17.17 | 17.29 | 17.27 | | |
| 20 | 64QAM | 1 | 49 | 17.25 | 17.38 | 17.31 | 18.3 | 0 |
| 20 | 64QAM | 1 | 99 | 17.37 | 17.35 | 17.30 | | |
| 20 | 64QAM | 50 | 0 | 17.10 | 17.20 | 17.19 | | |
| 20 | 64QAM | 50 | 24 | 17.12 | 17.25 | 17.22 | 18.3 | 0 |
| 20 | 64QAM | 50 | 50 | 17.05 | 17.25 | 17.22 | | |
| 20 | 64QAM | 100 | 0 | 17.01 | 17.17 | 17.12 | | |
| 20 | 256QAM | 1 | 0 | 17.80 | 17.70 | 17.75 | 18.3 | 0 |
| 20 | 256QAM | 1 | 49 | 17.81 | 17.81 | 17.67 | | |
| 20 | 256QAM | 1 | 99 | 17.61 | 17.79 | 17.55 | | |
| 20 | 256QAM | 50 | 0 | 17.74 | 17.67 | 17.74 | 18.3 | 0 |
| 20 | 256QAM | 50 | 24 | 17.75 | 17.82 | 17.80 | | |
| 20 | 256QAM | 50 | 50 | 17.66 | 17.64 | 17.80 | | |
| 20 | 256QAM | 100 | 0 | 17.71 | 17.59 | 17.69 | | |
| Channel | | | | 20825 | 21100 | 21375 | 18.3 | 0 |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 17.37 | 17.45 | 17.34 | 18.3 | 0 |
| 15 | QPSK | 1 | 37 | 17.41 | 17.47 | 17.32 | | |
| 15 | QPSK | 1 | 74 | 17.48 | 17.54 | 17.39 | | |
| 15 | QPSK | 36 | 0 | 17.55 | 17.53 | 17.47 | 18.3 | 0 |
| 15 | QPSK | 36 | 20 | 17.55 | 17.55 | 17.50 | | |
| 15 | QPSK | 36 | 39 | 17.56 | 17.63 | 17.49 | | |
| 15 | QPSK | 75 | 0 | 17.50 | 17.50 | 17.45 | 18.3 | 0 |
| 15 | 16QAM | 1 | 0 | 17.70 | 17.81 | 17.71 | | |
| 15 | 16QAM | 1 | 37 | 17.77 | 17.83 | 17.66 | | |
| 15 | 16QAM | 1 | 74 | 17.85 | 17.91 | 17.72 | 18.3 | 0 |
| 15 | 16QAM | 36 | 0 | 17.57 | 17.57 | 17.47 | | |
| 15 | 16QAM | 36 | 20 | 17.59 | 17.55 | 17.50 | | |
| 15 | 16QAM | 36 | 39 | 17.57 | 17.67 | 17.50 | 18.3 | 0 |
| 15 | 16QAM | 75 | 0 | 17.52 | 17.54 | 17.47 | | |
| 15 | 64QAM | 1 | 0 | 17.62 | 17.84 | 17.70 | | |
| 15 | 64QAM | 1 | 37 | 17.70 | 17.74 | 17.59 | 18.3 | 0 |
| 15 | 64QAM | 1 | 74 | 17.75 | 17.75 | 17.65 | | |
| 15 | 64QAM | 36 | 0 | 17.56 | 17.53 | 17.49 | | |
| 15 | 64QAM | 36 | 20 | 17.60 | 17.59 | 17.51 | 18.3 | 0 |
| 15 | 64QAM | 36 | 39 | 17.58 | 17.65 | 17.50 | | |
| 15 | 64QAM | 75 | 0 | 17.53 | 17.52 | 17.46 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 17.77 | 17.64 | 17.67 | 18.3 | 0 |
| 15 | 256QAM | 1 | 37 | 17.75 | 17.76 | 17.57 | | |
| 15 | 256QAM | 1 | 74 | 17.59 | 17.72 | 17.55 | | |
| 15 | 256QAM | 36 | 0 | 17.72 | 17.63 | 17.74 | 18.3 | 0 |
| 15 | 256QAM | 36 | 20 | 17.66 | 17.72 | 17.72 | | |
| 15 | 256QAM | 36 | 39 | 17.59 | 17.56 | 17.75 | | |
| 15 | 256QAM | 75 | 0 | 17.68 | 17.55 | 17.69 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 20800 | 21100 | 21400 | | |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 17.19 | 17.31 | 17.16 | 18.3 | 0 |
| 10 | QPSK | 1 | 25 | 17.15 | 17.35 | 17.12 | | |
| 10 | QPSK | 1 | 49 | 17.23 | 17.39 | 17.19 | | |
| 10 | QPSK | 25 | 0 | 17.28 | 17.35 | 17.23 | 18.3 | 0 |
| 10 | QPSK | 25 | 12 | 17.32 | 17.37 | 17.26 | | |
| 10 | QPSK | 25 | 25 | 17.31 | 17.44 | 17.25 | | |
| 10 | QPSK | 50 | 0 | 17.27 | 17.30 | 17.19 | 18.3 | 0 |
| 10 | 16QAM | 1 | 0 | 17.50 | 17.66 | 17.51 | | |
| 10 | 16QAM | 1 | 25 | 17.58 | 17.67 | 17.55 | | |
| 10 | 16QAM | 1 | 49 | 17.58 | 17.75 | 17.50 | 18.3 | 0 |
| 10 | 16QAM | 25 | 0 | 17.28 | 17.37 | 17.23 | | |
| 10 | 16QAM | 25 | 12 | 17.34 | 17.39 | 17.28 | | |
| 10 | 16QAM | 25 | 25 | 17.33 | 17.46 | 17.25 | 18.3 | 0 |
| 10 | 16QAM | 50 | 0 | 17.25 | 17.30 | 17.20 | | |
| 10 | 64QAM | 1 | 0 | 17.53 | 17.64 | 17.56 | | |
| 10 | 64QAM | 1 | 25 | 17.63 | 17.72 | 17.57 | 18.3 | 0 |
| 10 | 64QAM | 1 | 49 | 17.64 | 17.77 | 17.61 | | |
| 10 | 64QAM | 25 | 0 | 17.29 | 17.36 | 17.23 | | |
| 10 | 64QAM | 25 | 12 | 17.33 | 17.41 | 17.29 | 18.3 | 0 |
| 10 | 64QAM | 25 | 25 | 17.31 | 17.46 | 17.26 | | |
| 10 | 64QAM | 50 | 0 | 17.24 | 17.34 | 17.17 | | |
| 10 | 256QAM | 1 | 0 | 17.69 | 17.62 | 17.63 | 18.3 | 0 |
| 10 | 256QAM | 1 | 25 | 17.72 | 17.76 | 17.52 | | |
| 10 | 256QAM | 1 | 49 | 17.49 | 17.64 | 17.46 | | |
| 10 | 256QAM | 25 | 0 | 17.62 | 17.53 | 17.66 | 18.3 | 0 |
| 10 | 256QAM | 25 | 12 | 17.61 | 17.70 | 17.66 | | |
| 10 | 256QAM | 25 | 25 | 17.57 | 17.55 | 17.75 | | |
| 10 | 256QAM | 50 | 0 | 17.64 | 17.52 | 17.59 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 20775 | 21100 | 21425 | | |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 17.22 | 17.28 | 17.15 | 18.3 | 0 |
| 5 | QPSK | 1 | 12 | 17.20 | 17.39 | 17.20 | | |
| 5 | QPSK | 1 | 24 | 17.21 | 17.39 | 17.21 | | |
| 5 | QPSK | 12 | 0 | 17.27 | 17.36 | 17.22 | 18.3 | 0 |
| 5 | QPSK | 12 | 7 | 17.32 | 17.45 | 17.25 | | |
| 5 | QPSK | 12 | 13 | 17.29 | 17.41 | 17.23 | | |
| 5 | QPSK | 25 | 0 | 17.26 | 17.36 | 17.23 | 18.3 | 0 |
| 5 | 16QAM | 1 | 0 | 17.49 | 17.65 | 17.52 | | |
| 5 | 16QAM | 1 | 12 | 17.47 | 17.63 | 17.51 | | |
| 5 | 16QAM | 1 | 24 | 17.55 | 17.70 | 17.54 | 18.3 | 0 |
| 5 | 16QAM | 12 | 0 | 17.30 | 17.40 | 17.29 | | |
| 5 | 16QAM | 12 | 7 | 17.38 | 17.54 | 17.31 | | |
| 5 | 16QAM | 12 | 13 | 17.29 | 17.49 | 17.25 | 18.3 | 0 |
| 5 | 16QAM | 25 | 0 | 17.31 | 17.39 | 17.27 | | |
| 5 | 64QAM | 1 | 0 | 17.45 | 17.54 | 17.44 | | |
| 5 | 64QAM | 1 | 12 | 17.43 | 17.61 | 17.47 | 18.3 | 0 |
| 5 | 64QAM | 1 | 24 | 17.47 | 17.61 | 17.48 | | |



| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 17.27 | 17.37 | 17.25 | 18.3 | 0 |
| 5 | 64QAM | 12 | 7 | 17.34 | 17.48 | 17.32 | | |
| 5 | 64QAM | 12 | 13 | 17.30 | 17.44 | 17.23 | | |
| 5 | 64QAM | 25 | 0 | 17.30 | 17.41 | 17.26 | 18.3 | 0 |
| 5 | 256QAM | 1 | 0 | 17.64 | 17.55 | 17.54 | | |
| 5 | 256QAM | 1 | 12 | 17.70 | 17.75 | 17.47 | | |
| 5 | 256QAM | 1 | 24 | 17.43 | 17.58 | 17.43 | 18.3 | 0 |
| 5 | 256QAM | 12 | 0 | 17.58 | 17.47 | 17.66 | | |
| 5 | 256QAM | 12 | 7 | 17.56 | 17.63 | 17.62 | | |
| 5 | 256QAM | 12 | 13 | 17.51 | 17.47 | 17.67 | 18.3 | 0 |
| 5 | 256QAM | 25 | 0 | 17.57 | 17.45 | 17.51 | | |



<LTE Band 12>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23060 | 23095 | 23130 | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | |
| 10 | QPSK | 1 | 0 | 22.92 | 22.71 | 22.79 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 22.88 | 22.94 | 22.64 | | |
| 10 | QPSK | 1 | 49 | 22.78 | 22.81 | 22.75 | | |
| 10 | QPSK | 25 | 0 | 21.89 | 21.90 | 21.85 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 22.08 | 22.10 | 22.05 | | |
| 10 | QPSK | 25 | 25 | 21.97 | 22.04 | 21.98 | | |
| 10 | QPSK | 50 | 0 | 21.89 | 21.95 | 21.83 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 22.29 | 22.08 | 22.25 | | |
| 10 | 16QAM | 1 | 25 | 22.23 | 22.09 | 22.08 | | |
| 10 | 16QAM | 1 | 49 | 22.19 | 22.19 | 22.15 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.97 | 20.90 | 20.91 | | |
| 10 | 16QAM | 25 | 12 | 21.07 | 21.06 | 21.08 | | |
| 10 | 16QAM | 25 | 25 | 21.06 | 21.08 | 20.98 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 21.02 | 20.86 | 20.86 | | |
| 10 | 64QAM | 1 | 0 | 21.07 | 21.03 | 21.09 | | |
| 10 | 64QAM | 1 | 25 | 21.09 | 21.11 | 21.11 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 21.16 | 21.17 | 21.11 | | |
| 10 | 64QAM | 25 | 0 | 19.88 | 19.85 | 19.86 | | |
| 10 | 64QAM | 25 | 12 | 20.00 | 19.97 | 20.00 | 22.8 | 1 |
| 10 | 64QAM | 25 | 25 | 19.97 | 19.98 | 19.96 | | |
| 10 | 64QAM | 50 | 0 | 19.96 | 19.87 | 19.88 | | |
| 10 | 256QAM | 1 | 0 | 21.07 | 21.03 | 21.09 | 20.8 | 2 |
| 10 | 256QAM | 1 | 25 | 21.09 | 21.11 | 21.11 | | |
| 10 | 256QAM | 1 | 49 | 21.16 | 21.17 | 21.11 | | |
| 10 | 256QAM | 25 | 0 | 19.88 | 19.85 | 19.86 | 21.8 | 1 |
| 10 | 256QAM | 25 | 12 | 20.00 | 19.97 | 20.00 | | |
| 10 | 256QAM | 25 | 25 | 19.97 | 19.98 | 19.96 | | |
| 10 | 256QAM | 50 | 0 | 19.96 | 19.87 | 19.88 | | |
| Channel | | | | 23035 | 23095 | 23155 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 22.88 | 22.78 | 22.86 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.90 | 22.91 | 22.92 | | |
| 5 | QPSK | 1 | 24 | 22.93 | 22.93 | 22.92 | | |
| 5 | QPSK | 12 | 0 | 22.07 | 21.96 | 21.92 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.04 | 22.05 | 21.98 | | |
| 5 | QPSK | 12 | 13 | 22.01 | 21.98 | 21.98 | | |
| 5 | QPSK | 25 | 0 | 22.06 | 21.91 | 21.91 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.42 | 22.36 | 22.25 | | |
| 5 | 16QAM | 1 | 12 | 22.06 | 22.49 | 22.31 | | |
| 5 | 16QAM | 1 | 24 | 22.55 | 22.31 | 22.31 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 21.08 | 20.93 | 20.91 | | |
| 5 | 16QAM | 12 | 7 | 21.05 | 21.02 | 20.92 | | |
| 5 | 16QAM | 12 | 13 | 21.03 | 20.96 | 20.91 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.07 | 20.91 | 20.91 | | |
| 5 | 64QAM | 1 | 0 | 21.11 | 21.08 | 21.01 | | |
| 5 | 64QAM | 1 | 12 | 21.08 | 21.13 | 21.08 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 21.14 | 21.13 | 21.07 | | |
| 5 | 64QAM | 12 | 0 | 20.01 | 20.02 | 19.99 | | |
| 5 | 64QAM | 12 | 7 | 20.03 | 20.06 | 19.98 | 22.8 | 1 |
| 5 | 64QAM | 12 | 13 | 20.02 | 20.05 | 19.99 | | |
| 5 | 64QAM | 25 | 0 | 19.99 | 19.96 | 19.89 | | |



| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 21.11 | 21.08 | 21.01 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 21.08 | 21.13 | 21.08 | | |
| 5 | 256QAM | 1 | 24 | 21.14 | 21.13 | 21.07 | | |
| 5 | 256QAM | 12 | 0 | 20.01 | 20.02 | 19.99 | 21.8 | 1 |
| 5 | 256QAM | 12 | 7 | 20.03 | 20.06 | 19.98 | | |
| 5 | 256QAM | 12 | 13 | 20.02 | 20.05 | 19.99 | | |
| 5 | 256QAM | 25 | 0 | 19.99 | 19.96 | 19.89 | | |
| Channel | | | | 23025 | 23095 | 23165 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | |
| 3 | QPSK | 1 | 0 | 22.92 | 22.89 | 22.90 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.91 | 22.93 | 22.90 | | |
| 3 | QPSK | 1 | 14 | 22.93 | 22.92 | 22.81 | | |
| 3 | QPSK | 8 | 0 | 22.01 | 21.93 | 21.97 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 22.05 | 21.96 | 21.95 | | |
| 3 | QPSK | 8 | 7 | 22.00 | 22.00 | 21.93 | | |
| 3 | QPSK | 15 | 0 | 22.04 | 21.93 | 22.02 | | |
| 3 | 16QAM | 1 | 0 | 21.97 | 21.88 | 22.07 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 21.98 | 21.99 | 21.93 | | |
| 3 | 16QAM | 1 | 14 | 21.98 | 21.88 | 22.07 | | |
| 3 | 16QAM | 8 | 0 | 21.21 | 21.12 | 21.06 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 21.15 | 21.18 | 21.08 | | |
| 3 | 16QAM | 8 | 7 | 21.13 | 21.14 | 21.04 | | |
| 3 | 16QAM | 15 | 0 | 21.12 | 21.05 | 21.07 | | |
| 3 | 64QAM | 1 | 0 | 21.14 | 21.10 | 21.06 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.19 | 21.18 | 21.08 | | |
| 3 | 64QAM | 1 | 14 | 21.13 | 21.16 | 21.02 | | |
| 3 | 64QAM | 8 | 0 | 20.08 | 20.01 | 19.95 | 22.8 | 1 |
| 3 | 64QAM | 8 | 4 | 20.06 | 20.08 | 19.97 | | |
| 3 | 64QAM | 8 | 7 | 20.00 | 20.05 | 19.94 | | |
| 3 | 64QAM | 15 | 0 | 20.02 | 19.93 | 19.94 | | |
| 3 | 256QAM | 1 | 0 | 21.14 | 21.10 | 21.06 | 20.8 | 2 |
| 3 | 256QAM | 1 | 8 | 21.19 | 21.18 | 21.08 | | |
| 3 | 256QAM | 1 | 14 | 21.13 | 21.16 | 21.02 | | |
| 3 | 256QAM | 8 | 0 | 20.08 | 20.01 | 19.95 | 21.8 | 1 |
| 3 | 256QAM | 8 | 4 | 20.06 | 20.08 | 19.97 | | |
| 3 | 256QAM | 8 | 7 | 20.00 | 20.05 | 19.94 | | |
| 3 | 256QAM | 15 | 0 | 20.02 | 19.93 | 19.94 | | |
| Channel | | | | 23017 | 23095 | 23173 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.88 | 22.77 | 22.75 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.90 | 22.83 | 22.78 | | |
| 1.4 | QPSK | 1 | 5 | 22.82 | 22.79 | 22.74 | | |
| 1.4 | QPSK | 3 | 0 | 22.87 | 22.79 | 22.70 | | |
| 1.4 | QPSK | 3 | 1 | 22.89 | 22.78 | 22.75 | | |
| 1.4 | QPSK | 3 | 3 | 22.92 | 22.82 | 22.77 | | |
| 1.4 | QPSK | 6 | 0 | 21.95 | 21.83 | 21.86 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.11 | 21.99 | 22.38 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.27 | 22.17 | 22.43 | | |
| 1.4 | 16QAM | 1 | 5 | 22.18 | 22.12 | 22.23 | | |
| 1.4 | 16QAM | 3 | 0 | 21.98 | 21.92 | 21.83 | | |
| 1.4 | 16QAM | 3 | 1 | 22.03 | 21.92 | 21.83 | 21.8 | 2 |
| 1.4 | 16QAM | 3 | 3 | 21.97 | 21.90 | 21.75 | | |
| 1.4 | 16QAM | 6 | 0 | 21.06 | 20.89 | 20.94 | | |
| 1.4 | 64QAM | 1 | 0 | 21.07 | 20.99 | 21.00 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 21.11 | 21.14 | 21.02 | | |
| 1.4 | 64QAM | 1 | 5 | 21.05 | 21.09 | 20.95 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 21.06 | 20.97 | 20.96 | | |
| 1.4 | 64QAM | 3 | 1 | 21.12 | 21.03 | 20.99 | | |
| 1.4 | 64QAM | 3 | 3 | 21.09 | 21.04 | 20.96 | | |
| 1.4 | 64QAM | 6 | 0 | 19.93 | 19.84 | 19.81 | 22.8 | 1 |
| 1.4 | 256QAM | 1 | 0 | 21.07 | 20.99 | 21.00 | 22.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 21.11 | 21.14 | 21.02 | | |
| 1.4 | 256QAM | 1 | 5 | 21.05 | 21.09 | 20.95 | | |
| 1.4 | 256QAM | 3 | 0 | 21.06 | 20.97 | 20.96 | | |
| 1.4 | 256QAM | 3 | 1 | 21.12 | 21.03 | 20.99 | | |
| 1.4 | 256QAM | 3 | 3 | 21.09 | 21.04 | 20.96 | | |
| 1.4 | 256QAM | 6 | 0 | 19.93 | 19.84 | 19.81 | 22.8 | 0 |



<LTE Band 13>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23230 | | | | |
| Frequency (MHz) | | | | 782 | | | | |
| 10 | QPSK | 1 | 0 | | 22.92 | | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | | 22.90 | | | |
| 10 | QPSK | 1 | 49 | | 22.84 | | | |
| 10 | QPSK | 25 | 0 | | 22.01 | | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | | 22.03 | | | |
| 10 | QPSK | 25 | 25 | | 22.00 | | | |
| 10 | QPSK | 50 | 0 | | 21.94 | | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | | 22.56 | | | |
| 10 | 16QAM | 1 | 25 | | 22.55 | | | |
| 10 | 16QAM | 1 | 49 | | 22.45 | | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | | 20.91 | | | |
| 10 | 16QAM | 25 | 12 | | 20.93 | | | |
| 10 | 16QAM | 25 | 25 | | 20.98 | | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | | 20.91 | | | |
| 10 | 64QAM | 1 | 0 | | 20.84 | | | |
| 10 | 64QAM | 1 | 25 | | 20.93 | | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | | 20.88 | | | |
| 10 | 64QAM | 25 | 0 | | 19.73 | | | |
| 10 | 64QAM | 25 | 12 | | 19.79 | | 22.8 | 1 |
| 10 | 64QAM | 25 | 25 | | 19.81 | | | |
| 10 | 64QAM | 50 | 0 | | 19.70 | | | |
| 10 | 256QAM | 1 | 0 | | 20.84 | | 20.8 | 2 |
| 10 | 256QAM | 1 | 25 | | 20.93 | | | |
| 10 | 256QAM | 1 | 49 | | 20.88 | | | |
| 10 | 256QAM | 25 | 0 | | 19.73 | | 21.8 | 1 |
| 10 | 256QAM | 25 | 12 | | 19.79 | | | |
| 10 | 256QAM | 25 | 25 | | 19.81 | | | |
| 10 | 256QAM | 50 | 0 | | 19.70 | | | |
| Channel | | | | 23205 | 23230 | 23255 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 5 | QPSK | 1 | 0 | 22.91 | 22.90 | 22.84 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.89 | 22.89 | 22.90 | | |
| 5 | QPSK | 1 | 24 | 22.91 | 22.91 | 22.82 | | |
| 5 | QPSK | 12 | 0 | 22.08 | 22.06 | 22.00 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.15 | 22.08 | 22.08 | | |
| 5 | QPSK | 12 | 13 | 22.12 | 22.12 | 22.07 | | |
| 5 | QPSK | 25 | 0 | 21.98 | 21.96 | 21.91 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.15 | 22.02 | 22.45 | | |
| 5 | 16QAM | 1 | 12 | 22.09 | 22.40 | 22.39 | | |
| 5 | 16QAM | 1 | 24 | 22.18 | 22.13 | 22.09 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 21.19 | 21.18 | 20.95 | | |
| 5 | 16QAM | 12 | 7 | 21.14 | 21.12 | 21.07 | | |
| 5 | 16QAM | 12 | 13 | 21.13 | 21.07 | 21.04 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.12 | 21.00 | 20.90 | | |
| 5 | 64QAM | 1 | 0 | 20.62 | 20.91 | 20.82 | | |
| 5 | 64QAM | 1 | 12 | 20.98 | 20.93 | 20.81 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.96 | 20.86 | 20.86 | | |
| 5 | 64QAM | 12 | 0 | 19.91 | 19.78 | 19.77 | | |
| 5 | 64QAM | 12 | 7 | 19.92 | 19.85 | 19.86 | 22.8 | 1 |
| 5 | 64QAM | 12 | 13 | 19.86 | 19.84 | 19.82 | | |
| 5 | 64QAM | 25 | 0 | 19.79 | 19.77 | 19.77 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 20.62 | 20.91 | 20.82 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 20.98 | 20.93 | 20.81 | | |
| 5 | 256QAM | 1 | 24 | 20.96 | 20.86 | 20.86 | | |
| 5 | 256QAM | 12 | 0 | 19.91 | 19.78 | 19.77 | 21.8 | 1 |
| 5 | 256QAM | 12 | 7 | 19.92 | 19.85 | 19.86 | | |
| 5 | 256QAM | 12 | 13 | 19.86 | 19.84 | 19.82 | | |
| 5 | 256QAM | 25 | 0 | 19.79 | 19.77 | 19.77 | | |



<LTE Band 17>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23780 | 23790 | 23800 | | |
| Frequency (MHz) | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 22.85 | 22.96 | 22.89 | | |
| 10 | QPSK | 1 | 25 | 22.83 | 22.87 | 22.95 | 22.8 | 1 |
| 10 | QPSK | 1 | 49 | 22.88 | 22.95 | 22.91 | | |
| 10 | QPSK | 25 | 0 | 22.00 | 22.01 | 22.00 | | |
| 10 | QPSK | 25 | 12 | 22.06 | 22.09 | 22.01 | 22.8 | 1 |
| 10 | QPSK | 25 | 25 | 22.04 | 21.91 | 21.96 | | |
| 10 | QPSK | 50 | 0 | 21.98 | 22.04 | 22.02 | | |
| 10 | 16QAM | 1 | 0 | 22.26 | 22.50 | 22.57 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.20 | 22.56 | 22.57 | | |
| 10 | 16QAM | 1 | 49 | 22.19 | 22.42 | 22.58 | | |
| 10 | 16QAM | 25 | 0 | 21.05 | 21.04 | 21.10 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 21.21 | 20.93 | 21.05 | | |
| 10 | 16QAM | 25 | 25 | 21.11 | 21.08 | 21.03 | | |
| 10 | 16QAM | 50 | 0 | 20.99 | 21.08 | 21.02 | 21.8 | 2 |
| 10 | 64QAM | 1 | 0 | 21.12 | 21.06 | 20.99 | | |
| 10 | 64QAM | 1 | 25 | 21.15 | 21.21 | 21.11 | | |
| 10 | 64QAM | 1 | 49 | 21.16 | 21.11 | 21.09 | 22.8 | 1 |
| 10 | 64QAM | 25 | 0 | 19.98 | 19.97 | 19.96 | | |
| 10 | 64QAM | 25 | 12 | 20.09 | 20.03 | 19.99 | | |
| 10 | 64QAM | 25 | 25 | 20.03 | 19.95 | 19.93 | 21.8 | 2 |
| 10 | 64QAM | 50 | 0 | 19.97 | 19.99 | 19.99 | | |
| 10 | 256QAM | 1 | 0 | 21.12 | 21.06 | 20.99 | | |
| 10 | 256QAM | 1 | 25 | 21.15 | 21.21 | 21.11 | 20.8 | 2 |
| 10 | 256QAM | 1 | 49 | 21.16 | 21.11 | 21.09 | | |
| 10 | 256QAM | 25 | 0 | 19.98 | 19.97 | 19.96 | | |
| 10 | 256QAM | 25 | 12 | 20.09 | 20.03 | 19.99 | 21.8 | 1 |
| 10 | 256QAM | 25 | 25 | 20.03 | 19.95 | 19.93 | | |
| 10 | 256QAM | 50 | 0 | 19.97 | 19.99 | 19.99 | | |
| Channel | | | | 23755 | 23790 | 23825 | | |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 22.93 | 22.95 | 22.83 | | |
| 5 | QPSK | 1 | 12 | 22.94 | 22.95 | 22.89 | 22.8 | 1 |
| 5 | QPSK | 1 | 24 | 22.95 | 22.91 | 22.75 | | |
| 5 | QPSK | 12 | 0 | 22.02 | 22.02 | 21.94 | | |
| 5 | QPSK | 12 | 7 | 22.04 | 22.01 | 22.05 | 22.8 | 1 |
| 5 | QPSK | 12 | 13 | 22.08 | 21.96 | 21.93 | | |
| 5 | QPSK | 25 | 0 | 22.10 | 22.06 | 22.07 | | |
| 5 | 16QAM | 1 | 0 | 22.34 | 22.23 | 22.23 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 22.37 | 22.39 | 22.16 | | |
| 5 | 16QAM | 1 | 24 | 22.38 | 22.22 | 22.20 | | |
| 5 | 16QAM | 12 | 0 | 21.02 | 20.98 | 20.91 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 21.04 | 20.98 | 20.98 | | |
| 5 | 16QAM | 12 | 13 | 21.08 | 20.97 | 20.87 | | |
| 5 | 16QAM | 25 | 0 | 21.02 | 20.96 | 20.96 | 21.8 | 2 |
| 5 | 64QAM | 1 | 0 | 21.11 | 21.06 | 21.07 | | |
| 5 | 64QAM | 1 | 12 | 21.10 | 21.11 | 21.06 | | |
| 5 | 64QAM | 1 | 24 | 21.16 | 21.06 | 21.01 | 22.8 | 1 |
| 5 | 64QAM | 12 | 0 | 20.04 | 19.99 | 20.01 | | |
| 5 | 64QAM | 12 | 7 | 20.09 | 20.04 | 20.00 | | |
| 5 | 64QAM | 12 | 13 | 20.11 | 20.03 | 19.98 | 22.8 | 1 |
| 5 | 64QAM | 25 | 0 | 20.03 | 19.99 | 19.94 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 21.11 | 21.06 | 21.07 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 21.10 | 21.11 | 21.06 | | |
| 5 | 256QAM | 1 | 24 | 21.16 | 21.06 | 21.01 | | |
| 5 | 256QAM | 12 | 0 | 20.04 | 19.99 | 20.01 | 21.8 | 1 |
| 5 | 256QAM | 12 | 7 | 20.09 | 20.04 | 20.00 | | |
| 5 | 256QAM | 12 | 13 | 20.11 | 20.03 | 19.98 | | |
| 5 | 256QAM | 25 | 0 | 20.03 | 19.99 | 19.94 | | |



<LTE Band 25>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26140 | 26340 | 26590 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1905 | | |
| 20 | QPSK | 1 | 0 | 17.62 | 17.64 | 17.57 | 18.3 | 0 |
| 20 | QPSK | 1 | 49 | 17.52 | 17.59 | 17.51 | | |
| 20 | QPSK | 1 | 99 | 17.48 | 17.58 | 17.52 | | |
| 20 | QPSK | 50 | 0 | 17.52 | 17.50 | 17.48 | 18.3 | 0 |
| 20 | QPSK | 50 | 24 | 17.53 | 17.61 | 17.54 | | |
| 20 | QPSK | 50 | 50 | 17.52 | 17.53 | 17.53 | | |
| 20 | QPSK | 100 | 0 | 17.59 | 17.60 | 17.58 | 18.3 | 0 |
| 20 | 16QAM | 1 | 0 | 17.50 | 17.56 | 17.51 | | |
| 20 | 16QAM | 1 | 49 | 17.45 | 17.56 | 17.53 | | |
| 20 | 16QAM | 1 | 99 | 17.44 | 17.51 | 17.52 | 18.3 | 0 |
| 20 | 16QAM | 50 | 0 | 17.55 | 17.44 | 17.58 | | |
| 20 | 16QAM | 50 | 24 | 17.42 | 17.47 | 17.61 | | |
| 20 | 16QAM | 50 | 50 | 17.56 | 17.46 | 17.59 | 18.3 | 0 |
| 20 | 16QAM | 100 | 0 | 17.59 | 17.39 | 17.59 | | |
| 20 | 64QAM | 1 | 0 | 17.37 | 17.56 | 17.44 | | |
| 20 | 64QAM | 1 | 49 | 17.32 | 17.57 | 17.49 | 18.3 | 0 |
| 20 | 64QAM | 1 | 99 | 17.27 | 17.56 | 17.49 | | |
| 20 | 64QAM | 50 | 0 | 17.19 | 17.39 | 17.36 | | |
| 20 | 64QAM | 50 | 24 | 17.29 | 17.51 | 17.34 | 18.3 | 0 |
| 20 | 64QAM | 50 | 50 | 17.20 | 17.43 | 17.39 | | |
| 20 | 64QAM | 100 | 0 | 17.20 | 17.37 | 17.23 | | |
| 20 | 256QAM | 1 | 0 | 17.48 | 17.45 | 17.55 | 18.3 | 0 |
| 20 | 256QAM | 1 | 49 | 17.35 | 17.55 | 17.38 | | |
| 20 | 256QAM | 1 | 99 | 17.41 | 17.38 | 17.43 | | |
| 20 | 256QAM | 50 | 0 | 17.38 | 17.41 | 17.39 | 18.3 | 0 |
| 20 | 256QAM | 50 | 24 | 17.37 | 17.56 | 17.39 | | |
| 20 | 256QAM | 50 | 50 | 17.39 | 17.48 | 17.40 | | |
| 20 | 256QAM | 100 | 0 | 17.39 | 17.46 | 17.55 | 18.3 | 0 |
| Channel | | | | 26115 | 26340 | 26615 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1907.5 | | |
| 15 | QPSK | 1 | 0 | 17.03 | 17.36 | 17.25 | 18.3 | 0 |
| 15 | QPSK | 1 | 37 | 17.20 | 17.31 | 17.21 | | |
| 15 | QPSK | 1 | 74 | 17.12 | 17.32 | 17.25 | | |
| 15 | QPSK | 36 | 0 | 17.18 | 17.29 | 17.22 | 18.3 | 0 |
| 15 | QPSK | 36 | 20 | 17.35 | 17.47 | 17.39 | | |
| 15 | QPSK | 36 | 39 | 17.31 | 17.43 | 17.33 | | |
| 15 | QPSK | 75 | 0 | 17.29 | 17.41 | 17.33 | 18.3 | 0 |
| 15 | 16QAM | 1 | 0 | 17.35 | 17.40 | 17.60 | | |
| 15 | 16QAM | 1 | 37 | 17.54 | 17.63 | 17.55 | | |
| 15 | 16QAM | 1 | 74 | 17.41 | 17.47 | 17.52 | 18.3 | 0 |
| 15 | 16QAM | 36 | 0 | 17.16 | 17.29 | 17.18 | | |
| 15 | 16QAM | 36 | 20 | 17.34 | 17.46 | 17.36 | | |
| 15 | 16QAM | 36 | 39 | 17.27 | 17.38 | 17.30 | 18.3 | 0 |
| 15 | 16QAM | 75 | 0 | 17.28 | 17.39 | 17.29 | | |
| 15 | 64QAM | 1 | 0 | 17.26 | 17.55 | 17.40 | | |
| 15 | 64QAM | 1 | 37 | 17.48 | 17.47 | 17.44 | 18.3 | 0 |
| 15 | 64QAM | 1 | 74 | 17.28 | 17.47 | 17.45 | | |
| 15 | 64QAM | 36 | 0 | 17.15 | 17.30 | 17.18 | | |
| 15 | 64QAM | 36 | 20 | 17.33 | 17.44 | 17.35 | 18.3 | 0 |
| 15 | 64QAM | 36 | 39 | 17.27 | 17.39 | 17.31 | | |
| 15 | 64QAM | 75 | 0 | 17.29 | 17.37 | 17.28 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 17.45 | 17.37 | 17.49 | 18.3 | 0 |
| 15 | 256QAM | 1 | 37 | 17.27 | 17.51 | 17.31 | | |
| 15 | 256QAM | 1 | 74 | 17.31 | 17.34 | 17.33 | | |
| 15 | 256QAM | 36 | 0 | 17.37 | 17.33 | 17.39 | 18.3 | 0 |
| 15 | 256QAM | 36 | 20 | 17.34 | 17.48 | 17.35 | | |
| 15 | 256QAM | 36 | 39 | 17.39 | 17.46 | 17.37 | | |
| 15 | 256QAM | 75 | 0 | 17.29 | 17.41 | 17.54 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26090 | 26340 | 26640 | | |
| Frequency (MHz) | | | | 1855 | 1880 | 1910 | | |
| 10 | QPSK | 1 | 0 | 16.71 | 16.79 | 17.04 | 18.3 | 0 |
| 10 | QPSK | 1 | 25 | 16.92 | 17.06 | 17.03 | | |
| 10 | QPSK | 1 | 49 | 16.72 | 16.84 | 17.07 | | |
| 10 | QPSK | 25 | 0 | 16.92 | 17.03 | 17.07 | 18.3 | 0 |
| 10 | QPSK | 25 | 12 | 17.10 | 17.21 | 17.13 | | |
| 10 | QPSK | 25 | 25 | 17.01 | 17.15 | 17.18 | | |
| 10 | QPSK | 50 | 0 | 17.04 | 17.16 | 17.08 | 18.3 | 0 |
| 10 | 16QAM | 1 | 0 | 17.05 | 17.15 | 17.42 | | |
| 10 | 16QAM | 1 | 25 | 17.27 | 17.39 | 17.41 | | |
| 10 | 16QAM | 1 | 49 | 17.04 | 17.18 | 17.40 | 18.3 | 0 |
| 10 | 16QAM | 25 | 0 | 16.91 | 17.04 | 17.03 | | |
| 10 | 16QAM | 25 | 12 | 17.08 | 17.36 | 17.13 | | |
| 10 | 16QAM | 25 | 25 | 16.99 | 17.13 | 17.15 | 18.3 | 0 |
| 10 | 16QAM | 50 | 0 | 17.03 | 17.14 | 17.06 | | |
| 10 | 64QAM | 1 | 0 | 17.07 | 17.15 | 17.40 | | |
| 10 | 64QAM | 1 | 25 | 17.33 | 17.42 | 17.47 | 18.3 | 0 |
| 10 | 64QAM | 1 | 49 | 17.07 | 17.24 | 17.45 | | |
| 10 | 64QAM | 25 | 0 | 16.89 | 17.06 | 17.05 | | |
| 10 | 64QAM | 25 | 12 | 17.08 | 17.22 | 17.13 | 18.3 | 0 |
| 10 | 64QAM | 25 | 25 | 17.00 | 17.10 | 17.12 | | |
| 10 | 64QAM | 50 | 0 | 16.98 | 17.14 | 17.08 | | |
| 10 | 256QAM | 1 | 0 | 17.43 | 17.31 | 17.43 | 18.3 | 0 |
| 10 | 256QAM | 1 | 25 | 17.22 | 17.46 | 17.25 | | |
| 10 | 256QAM | 1 | 49 | 17.29 | 17.26 | 17.27 | | |
| 10 | 256QAM | 25 | 0 | 17.27 | 17.32 | 17.37 | 18.3 | 0 |
| 10 | 256QAM | 25 | 12 | 17.27 | 17.38 | 17.28 | | |
| 10 | 256QAM | 25 | 25 | 17.39 | 17.37 | 17.36 | | |
| 10 | 256QAM | 50 | 0 | 17.22 | 17.38 | 17.50 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26065 | 26340 | 26665 | | |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1912.5 | | |
| 5 | QPSK | 1 | 0 | 16.96 | 16.98 | 17.02 | 18.3 | 0 |
| 5 | QPSK | 1 | 12 | 16.98 | 17.10 | 17.09 | | |
| 5 | QPSK | 1 | 24 | 16.99 | 17.11 | 17.09 | | |
| 5 | QPSK | 12 | 0 | 17.05 | 17.12 | 17.08 | 18.3 | 0 |
| 5 | QPSK | 12 | 7 | 17.13 | 17.20 | 17.13 | | |
| 5 | QPSK | 12 | 13 | 17.10 | 17.20 | 17.18 | | |
| 5 | QPSK | 25 | 0 | 17.07 | 17.16 | 17.13 | 18.3 | 0 |
| 5 | 16QAM | 1 | 0 | 17.22 | 17.31 | 17.33 | | |
| 5 | 16QAM | 1 | 12 | 17.23 | 17.39 | 17.38 | | |
| 5 | 16QAM | 1 | 24 | 17.33 | 17.45 | 17.42 | 18.3 | 0 |
| 5 | 16QAM | 12 | 0 | 17.03 | 17.10 | 17.11 | | |
| 5 | 16QAM | 12 | 7 | 17.12 | 17.17 | 17.14 | | |
| 5 | 16QAM | 12 | 13 | 17.10 | 17.22 | 17.20 | 18.3 | 0 |
| 5 | 16QAM | 25 | 0 | 17.06 | 17.19 | 17.11 | | |
| 5 | 64QAM | 1 | 0 | 17.14 | 17.23 | 17.25 | | |
| 5 | 64QAM | 1 | 12 | 17.18 | 17.22 | 17.33 | 18.3 | 0 |
| 5 | 64QAM | 1 | 24 | 17.22 | 17.34 | 17.31 | | |



| | | | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|------|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 17.00 | 17.06 | 17.07 | 18.3 | 0 | | |
| 5 | 64QAM | 12 | 7 | 17.08 | 17.20 | 17.12 | | | | |
| 5 | 64QAM | 12 | 13 | 17.09 | 17.17 | 17.20 | | | | |
| 5 | 64QAM | 25 | 0 | 17.04 | 17.16 | 17.11 | 18.3 | 0 | | |
| 5 | 256QAM | 1 | 0 | 17.34 | 17.21 | 17.43 | | | | |
| 5 | 256QAM | 1 | 12 | 17.15 | 17.37 | 17.23 | | | | |
| 5 | 256QAM | 1 | 24 | 17.19 | 17.23 | 17.19 | 18.3 | 0 | | |
| 5 | 256QAM | 12 | 0 | 17.22 | 17.25 | 17.37 | | | | |
| 5 | 256QAM | 12 | 7 | 17.26 | 17.35 | 17.23 | | | | |
| 5 | 256QAM | 12 | 13 | 17.33 | 17.30 | 17.28 | 18.3 | 0 | | |
| 5 | 256QAM | 25 | 0 | 17.14 | 17.37 | 17.48 | | | | |
| Channel | | | | 26055 | 26340 | 26675 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1913.5 | | | | |
| 3 | QPSK | 1 | 0 | 16.97 | 17.03 | 17.06 | 18.3 | 0 | | |
| 3 | QPSK | 1 | 8 | 17.04 | 17.13 | 17.16 | | | | |
| 3 | QPSK | 1 | 14 | 17.02 | 17.13 | 17.12 | | | | |
| 3 | QPSK | 8 | 0 | 17.08 | 17.13 | 17.16 | 18.3 | 0 | | |
| 3 | QPSK | 8 | 4 | 17.11 | 17.22 | 17.21 | | | | |
| 3 | QPSK | 8 | 7 | 17.08 | 17.19 | 17.18 | | | | |
| 3 | QPSK | 15 | 0 | 17.09 | 17.18 | 17.19 | 18.3 | 0 | | |
| 3 | 16QAM | 1 | 0 | 17.31 | 17.34 | 17.36 | | | | |
| 3 | 16QAM | 1 | 8 | 17.33 | 17.46 | 17.48 | | | | |
| 3 | 16QAM | 1 | 14 | 17.31 | 17.48 | 17.45 | 18.3 | 0 | | |
| 3 | 16QAM | 8 | 0 | 17.11 | 17.17 | 17.19 | | | | |
| 3 | 16QAM | 8 | 4 | 17.16 | 17.26 | 17.26 | | | | |
| 3 | 16QAM | 8 | 7 | 17.13 | 17.27 | 17.25 | 18.3 | 0 | | |
| 3 | 16QAM | 15 | 0 | 17.09 | 17.21 | 17.19 | | | | |
| 3 | 64QAM | 1 | 0 | 17.21 | 17.22 | 17.29 | | | | |
| 3 | 64QAM | 1 | 8 | 17.28 | 17.38 | 17.41 | 18.3 | 0 | | |
| 3 | 64QAM | 1 | 14 | 17.24 | 17.31 | 17.39 | | | | |
| 3 | 64QAM | 8 | 0 | 17.16 | 17.17 | 17.26 | | | | |
| 3 | 64QAM | 8 | 4 | 17.17 | 17.27 | 17.26 | 18.3 | 0 | | |
| 3 | 64QAM | 8 | 7 | 17.15 | 17.24 | 17.27 | | | | |
| 3 | 64QAM | 15 | 0 | 17.11 | 17.22 | 17.21 | | | | |
| 3 | 256QAM | 1 | 0 | 17.33 | 17.19 | 17.34 | 18.3 | 0 | | |
| 3 | 256QAM | 1 | 8 | 17.09 | 17.32 | 17.22 | | | | |
| 3 | 256QAM | 1 | 14 | 17.19 | 17.13 | 17.10 | | | | |
| 3 | 256QAM | 8 | 0 | 17.17 | 17.19 | 17.37 | 18.3 | 0 | | |
| 3 | 256QAM | 8 | 4 | 17.17 | 17.27 | 17.23 | | | | |
| 3 | 256QAM | 8 | 7 | 17.25 | 17.29 | 17.23 | | | | |
| 3 | 256QAM | 15 | 0 | 17.12 | 17.35 | 17.43 | 18.3 | 0 | | |
| Channel | | | | 26047 | 26340 | 26683 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1914.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 16.86 | 16.93 | 16.97 | 18.3 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 16.98 | 17.07 | 17.06 | | | | |
| 1.4 | QPSK | 1 | 5 | 16.94 | 17.01 | 16.99 | | | | |
| 1.4 | QPSK | 3 | 0 | 16.94 | 17.00 | 17.01 | 18.3 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 16.95 | 17.05 | 17.02 | | | | |
| 1.4 | QPSK | 3 | 3 | 16.95 | 17.03 | 16.99 | | | | |
| 1.4 | QPSK | 6 | 0 | 17.02 | 17.10 | 17.06 | 18.3 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 17.20 | 17.22 | 17.26 | 18.3 | 0 | | |
| 1.4 | 16QAM | 1 | 3 | 17.28 | 17.43 | 17.36 | | | | |
| 1.4 | 16QAM | 1 | 5 | 17.22 | 17.30 | 17.26 | | | | |
| 1.4 | 16QAM | 3 | 0 | 17.00 | 17.09 | 17.09 | 18.3 | 0 | | |
| 1.4 | 16QAM | 3 | 1 | 17.04 | 17.11 | 17.12 | | | | |
| 1.4 | 16QAM | 3 | 3 | 17.01 | 17.08 | 17.08 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 17.06 | 17.11 | 17.14 | 18.3 | 0 |
| 1.4 | 64QAM | 1 | 0 | 17.15 | 17.19 | 17.21 | 18.3 | 0 |
| 1.4 | 64QAM | 1 | 3 | 17.22 | 17.29 | 17.33 | | |
| 1.4 | 64QAM | 1 | 5 | 17.15 | 17.27 | 17.25 | | |
| 1.4 | 64QAM | 3 | 0 | 17.13 | 17.22 | 17.21 | | |
| 1.4 | 64QAM | 3 | 1 | 17.17 | 17.29 | 17.25 | | |
| 1.4 | 64QAM | 3 | 3 | 17.14 | 17.24 | 17.21 | | |
| 1.4 | 64QAM | 6 | 0 | 17.03 | 17.10 | 17.09 | 18.3 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.31 | 17.16 | 17.28 | 18.3 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.00 | 17.28 | 17.16 | | |
| 1.4 | 256QAM | 1 | 5 | 17.18 | 17.09 | 17.03 | | |
| 1.4 | 256QAM | 3 | 0 | 17.12 | 17.16 | 17.36 | | |
| 1.4 | 256QAM | 3 | 1 | 17.14 | 17.21 | 17.17 | | |
| 1.4 | 256QAM | 3 | 3 | 17.19 | 17.23 | 17.22 | | |
| 1.4 | 256QAM | 6 | 0 | 17.02 | 17.33 | 17.39 | 18.3 | 0 |



<LTE Band 30>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 27710 | | | | |
| Frequency (MHz) | | | | 2310 | | | | |
| 10 | QPSK | 1 | 0 | | 18.42 | | 19.3 | 0 |
| 10 | QPSK | 1 | 25 | | 18.37 | | | |
| 10 | QPSK | 1 | 49 | | 18.32 | | | |
| 10 | QPSK | 25 | 0 | | 18.34 | | 19.3 | 0 |
| 10 | QPSK | 25 | 12 | | 18.41 | | | |
| 10 | QPSK | 25 | 25 | | 18.31 | | | |
| 10 | QPSK | 50 | 0 | | 18.34 | | 19.3 | 0 |
| 10 | 16QAM | 1 | 0 | | 18.37 | | | |
| 10 | 16QAM | 1 | 25 | | 18.36 | | | |
| 10 | 16QAM | 1 | 49 | | 18.35 | | 19.3 | 0 |
| 10 | 16QAM | 25 | 0 | | 18.38 | | | |
| 10 | 16QAM | 25 | 12 | | 18.33 | | | |
| 10 | 16QAM | 25 | 25 | | 18.32 | | 19.3 | 0 |
| 10 | 16QAM | 50 | 0 | | 18.34 | | | |
| 10 | 64QAM | 1 | 0 | | 18.30 | | | |
| 10 | 64QAM | 1 | 25 | | 18.37 | | 19.3 | 0 |
| 10 | 64QAM | 1 | 49 | | 18.39 | | | |
| 10 | 64QAM | 25 | 0 | | 17.88 | | | |
| 10 | 64QAM | 25 | 12 | | 17.95 | | 19.3 | 0 |
| 10 | 64QAM | 25 | 25 | | 17.83 | | | |
| 10 | 64QAM | 50 | 0 | | 17.83 | | | |
| 10 | 256QAM | 1 | 0 | | 18.30 | | 18.8 | 0 |
| 10 | 256QAM | 1 | 25 | | 18.23 | | | |
| 10 | 256QAM | 1 | 49 | | 18.25 | | | |
| 10 | 256QAM | 25 | 0 | | 18.12 | | 18.8 | 0 |
| 10 | 256QAM | 25 | 12 | | 18.36 | | | |
| 10 | 256QAM | 25 | 25 | | 18.20 | | | |
| 10 | 256QAM | 50 | 0 | | 18.29 | | | |
| Channel | | | | 27685 | 27710 | 27735 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | | |
| 5 | QPSK | 1 | 0 | 18.02 | 17.95 | 18.00 | 19.3 | 0 |
| 5 | QPSK | 1 | 12 | 18.06 | 18.09 | 18.02 | | |
| 5 | QPSK | 1 | 24 | 18.01 | 17.91 | 17.94 | | |
| 5 | QPSK | 12 | 0 | 18.13 | 18.08 | 18.13 | 19.3 | 0 |
| 5 | QPSK | 12 | 7 | 18.18 | 18.07 | 18.11 | | |
| 5 | QPSK | 12 | 13 | 18.11 | 18.04 | 18.09 | | |
| 5 | QPSK | 25 | 0 | 18.09 | 18.07 | 18.08 | 19.3 | 0 |
| 5 | 16QAM | 1 | 0 | 18.28 | 18.26 | 18.38 | | |
| 5 | 16QAM | 1 | 12 | 18.37 | 18.40 | 18.35 | | |
| 5 | 16QAM | 1 | 24 | 18.32 | 18.26 | 18.32 | 19.3 | 0 |
| 5 | 16QAM | 12 | 0 | 18.17 | 18.10 | 18.15 | | |
| 5 | 16QAM | 12 | 7 | 18.24 | 18.16 | 18.17 | | |
| 5 | 16QAM | 12 | 13 | 18.14 | 18.10 | 18.12 | 19.3 | 0 |
| 5 | 16QAM | 25 | 0 | 18.14 | 18.08 | 18.13 | | |
| 5 | 64QAM | 1 | 0 | 18.25 | 18.24 | 18.27 | | |
| 5 | 64QAM | 1 | 12 | 18.31 | 18.35 | 18.30 | 19.3 | 0 |
| 5 | 64QAM | 1 | 24 | 18.25 | 18.18 | 18.20 | | |
| 5 | 64QAM | 12 | 0 | 18.10 | 18.09 | 18.10 | | |
| 5 | 64QAM | 12 | 7 | 18.21 | 18.10 | 18.16 | 19.3 | 0 |
| 5 | 64QAM | 12 | 13 | 18.14 | 18.08 | 18.07 | | |
| 5 | 64QAM | 25 | 0 | 18.17 | 18.09 | 18.13 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 18.25 | 18.28 | 18.23 | 18.8 | 0 |
| 5 | 256QAM | 1 | 12 | 18.22 | 18.14 | 18.22 | | |
| 5 | 256QAM | 1 | 24 | 18.18 | 18.15 | 18.22 | | |
| 5 | 256QAM | 12 | 0 | 18.05 | 18.12 | 18.04 | 18.8 | 0 |
| 5 | 256QAM | 12 | 7 | 18.27 | 18.32 | 18.26 | | |
| 5 | 256QAM | 12 | 13 | 18.10 | 18.14 | 18.18 | | |
| 5 | 256QAM | 25 | 0 | 18.27 | 18.24 | 18.21 | | |



<LTE Band 66>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 132072 | 132322 | 132572 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | QPSK | 1 | 0 | 19.73 | 19.88 | 19.86 | 20.8 | 0 |
| 20 | QPSK | 1 | 49 | 19.70 | 19.86 | 19.85 | | |
| 20 | QPSK | 1 | 99 | 19.50 | 19.67 | 19.50 | | |
| 20 | QPSK | 50 | 0 | 19.72 | 19.83 | 19.77 | 20.8 | 0 |
| 20 | QPSK | 50 | 24 | 19.85 | 19.86 | 19.79 | | |
| 20 | QPSK | 50 | 50 | 19.81 | 19.78 | 19.78 | | |
| 20 | QPSK | 100 | 0 | 19.82 | 19.83 | 19.80 | 20.8 | 0 |
| 20 | 16QAM | 1 | 0 | 19.73 | 19.80 | 19.77 | | |
| 20 | 16QAM | 1 | 49 | 19.83 | 19.84 | 19.78 | | |
| 20 | 16QAM | 1 | 99 | 19.72 | 19.82 | 19.80 | 20.8 | 0 |
| 20 | 16QAM | 50 | 0 | 19.76 | 19.76 | 19.80 | | |
| 20 | 16QAM | 50 | 24 | 19.80 | 19.74 | 19.83 | | |
| 20 | 16QAM | 50 | 50 | 19.79 | 19.79 | 19.79 | 20.8 | 0 |
| 20 | 16QAM | 100 | 0 | 19.76 | 19.84 | 19.72 | | |
| 20 | 64QAM | 1 | 0 | 19.72 | 19.75 | 19.84 | | |
| 20 | 64QAM | 1 | 49 | 19.59 | 19.83 | 19.79 | 20.8 | 0 |
| 20 | 64QAM | 1 | 99 | 19.76 | 19.72 | 19.78 | | |
| 20 | 64QAM | 50 | 0 | 19.78 | 19.77 | 19.79 | | |
| 20 | 64QAM | 50 | 24 | 19.81 | 19.72 | 19.81 | 20.8 | 0 |
| 20 | 64QAM | 50 | 50 | 19.81 | 19.81 | 19.80 | | |
| 20 | 64QAM | 100 | 0 | 19.82 | 19.85 | 19.73 | | |
| 20 | 256QAM | 1 | 0 | 17.53 | 17.68 | 17.66 | 18.8 | 0 |
| 20 | 256QAM | 1 | 49 | 17.50 | 17.66 | 17.65 | | |
| 20 | 256QAM | 1 | 99 | 17.30 | 17.47 | 17.30 | | |
| 20 | 256QAM | 50 | 0 | 17.52 | 17.63 | 17.57 | 18.8 | 0 |
| 20 | 256QAM | 50 | 24 | 17.65 | 17.66 | 17.59 | | |
| 20 | 256QAM | 50 | 50 | 17.61 | 17.58 | 17.58 | | |
| 20 | 256QAM | 100 | 0 | 17.62 | 17.63 | 17.60 | | |
| Channel | | | | 132047 | 132322 | 132597 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK | 1 | 0 | 19.66 | 19.72 | 19.74 | 20.8 | 0 |
| 15 | QPSK | 1 | 37 | 19.62 | 19.73 | 19.78 | | |
| 15 | QPSK | 1 | 74 | 19.47 | 19.62 | 19.48 | | |
| 15 | QPSK | 36 | 0 | 19.61 | 19.65 | 19.58 | 20.8 | 0 |
| 15 | QPSK | 36 | 20 | 19.66 | 19.75 | 19.64 | | |
| 15 | QPSK | 36 | 39 | 19.68 | 19.77 | 19.67 | | |
| 15 | QPSK | 75 | 0 | 19.73 | 19.70 | 19.65 | 20.8 | 0 |
| 15 | 16QAM | 1 | 0 | 19.66 | 19.71 | 19.69 | | |
| 15 | 16QAM | 1 | 37 | 19.69 | 19.68 | 19.76 | | |
| 15 | 16QAM | 1 | 74 | 19.68 | 19.73 | 19.65 | 20.8 | 0 |
| 15 | 16QAM | 36 | 0 | 19.62 | 19.71 | 19.79 | | |
| 15 | 16QAM | 36 | 20 | 19.76 | 19.58 | 19.66 | | |
| 15 | 16QAM | 36 | 39 | 19.74 | 19.71 | 19.64 | 20.8 | 0 |
| 15 | 16QAM | 75 | 0 | 19.57 | 19.72 | 19.58 | | |
| 15 | 64QAM | 1 | 0 | 19.60 | 19.56 | 19.65 | | |
| 15 | 64QAM | 1 | 37 | 19.53 | 19.66 | 19.64 | 20.8 | 0 |
| 15 | 64QAM | 1 | 74 | 19.59 | 19.57 | 19.73 | | |
| 15 | 64QAM | 36 | 0 | 19.62 | 19.62 | 19.70 | | |
| 15 | 64QAM | 36 | 20 | 19.73 | 19.66 | 19.70 | 20.8 | 0 |
| 15 | 64QAM | 36 | 39 | 19.78 | 19.66 | 19.70 | | |
| 15 | 64QAM | 75 | 0 | 19.75 | 19.75 | 19.67 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 17.51 | 17.62 | 17.62 | 18.8 | 0 |
| 15 | 256QAM | 1 | 37 | 17.48 | 17.58 | 17.62 | | |
| 15 | 256QAM | 1 | 74 | 17.25 | 17.47 | 17.24 | | |
| 15 | 256QAM | 36 | 0 | 17.43 | 17.56 | 17.52 | 18.8 | 0 |
| 15 | 256QAM | 36 | 20 | 17.65 | 17.59 | 17.49 | | |
| 15 | 256QAM | 36 | 39 | 17.60 | 17.58 | 17.49 | | |
| 15 | 256QAM | 75 | 0 | 17.57 | 17.57 | 17.59 | | |
| Channel | | | | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 19.58 | 19.72 | 19.76 | 20.8 | 0 |
| 10 | QPSK | 1 | 25 | 19.62 | 19.80 | 19.71 | | |
| 10 | QPSK | 1 | 49 | 19.42 | 19.62 | 19.36 | | |
| 10 | QPSK | 25 | 0 | 19.55 | 19.67 | 19.64 | 20.8 | 0 |
| 10 | QPSK | 25 | 12 | 19.69 | 19.76 | 19.77 | | |
| 10 | QPSK | 25 | 25 | 19.63 | 19.68 | 19.75 | | |
| 10 | QPSK | 50 | 0 | 19.74 | 19.70 | 19.70 | | |
| 10 | 16QAM | 1 | 0 | 19.55 | 19.72 | 19.60 | 20.8 | 0 |
| 10 | 16QAM | 1 | 25 | 19.65 | 19.66 | 19.75 | | |
| 10 | 16QAM | 1 | 49 | 19.71 | 19.75 | 19.74 | | |
| 10 | 16QAM | 25 | 0 | 19.58 | 19.70 | 19.63 | 20.8 | 0 |
| 10 | 16QAM | 25 | 12 | 19.72 | 19.63 | 19.71 | | |
| 10 | 16QAM | 25 | 25 | 19.59 | 19.68 | 19.62 | | |
| 10 | 16QAM | 50 | 0 | 19.67 | 19.65 | 19.64 | | |
| 10 | 64QAM | 1 | 0 | 19.57 | 19.64 | 19.77 | 20.8 | 0 |
| 10 | 64QAM | 1 | 25 | 19.44 | 19.80 | 19.77 | | |
| 10 | 64QAM | 1 | 49 | 19.73 | 19.64 | 19.76 | | |
| 10 | 64QAM | 25 | 0 | 19.64 | 19.60 | 19.77 | 20.8 | 0 |
| 10 | 64QAM | 25 | 12 | 19.63 | 19.58 | 19.75 | | |
| 10 | 64QAM | 25 | 25 | 19.68 | 19.78 | 19.72 | | |
| 10 | 64QAM | 50 | 0 | 19.75 | 19.71 | 19.57 | | |
| 10 | 256QAM | 1 | 0 | 17.41 | 17.53 | 17.58 | 18.8 | 0 |
| 10 | 256QAM | 1 | 25 | 17.46 | 17.54 | 17.53 | | |
| 10 | 256QAM | 1 | 49 | 17.15 | 17.44 | 17.18 | | |
| 10 | 256QAM | 25 | 0 | 17.39 | 17.52 | 17.48 | 18.8 | 0 |
| 10 | 256QAM | 25 | 12 | 17.59 | 17.52 | 17.46 | | |
| 10 | 256QAM | 25 | 25 | 17.54 | 17.51 | 17.42 | | |
| 10 | 256QAM | 50 | 0 | 17.49 | 17.55 | 17.58 | | |
| Channel | | | | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 19.55 | 19.80 | 19.76 | 20.8 | 0 |
| 5 | QPSK | 1 | 12 | 19.53 | 19.69 | 19.73 | | |
| 5 | QPSK | 1 | 24 | 19.30 | 19.65 | 19.35 | | |
| 5 | QPSK | 12 | 0 | 19.63 | 19.79 | 19.75 | 20.8 | 0 |
| 5 | QPSK | 12 | 7 | 19.65 | 19.84 | 19.68 | | |
| 5 | QPSK | 12 | 13 | 19.66 | 19.69 | 19.74 | | |
| 5 | QPSK | 25 | 0 | 19.69 | 19.71 | 19.65 | | |
| 5 | 16QAM | 1 | 0 | 19.62 | 19.68 | 19.74 | 20.8 | 0 |
| 5 | 16QAM | 1 | 12 | 19.74 | 19.74 | 19.62 | | |
| 5 | 16QAM | 1 | 24 | 19.63 | 19.65 | 19.73 | | |
| 5 | 16QAM | 12 | 0 | 19.63 | 19.60 | 19.63 | 20.8 | 0 |
| 5 | 16QAM | 12 | 7 | 19.77 | 19.70 | 19.73 | | |
| 5 | 16QAM | 12 | 13 | 19.72 | 19.71 | 19.67 | | |
| 5 | 16QAM | 25 | 0 | 19.75 | 19.82 | 19.71 | | |
| 5 | 64QAM | 1 | 0 | 19.69 | 19.66 | 19.79 | 20.8 | 0 |
| 5 | 64QAM | 1 | 12 | 19.55 | 19.74 | 19.66 | | |
| 5 | 64QAM | 1 | 24 | 19.74 | 19.68 | 19.64 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 19.77 | 19.62 | 19.78 | 20.8 | 0 |
| 5 | 64QAM | 12 | 7 | 19.61 | 19.60 | 19.69 | | |
| 5 | 64QAM | 12 | 13 | 19.64 | 19.69 | 19.73 | | |
| 5 | 64QAM | 25 | 0 | 19.70 | 19.83 | 19.70 | 18.8 | 0 |
| 5 | 256QAM | 1 | 0 | 17.38 | 17.43 | 17.53 | | |
| 5 | 256QAM | 1 | 12 | 17.46 | 17.44 | 17.44 | | |
| 5 | 256QAM | 1 | 24 | 17.15 | 17.44 | 17.08 | 18.8 | 0 |
| 5 | 256QAM | 12 | 0 | 17.38 | 17.47 | 17.46 | | |
| 5 | 256QAM | 12 | 7 | 17.56 | 17.48 | 17.45 | | |
| 5 | 256QAM | 12 | 13 | 17.46 | 17.50 | 17.36 | | |
| 5 | 256QAM | 25 | 0 | 17.39 | 17.47 | 17.51 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 131987 | 132322 | 132657 | | |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | |
| 3 | QPSK | 1 | 0 | 19.33 | 19.49 | 19.41 | 20.8 | 0 |
| 3 | QPSK | 1 | 8 | 19.32 | 19.54 | 19.35 | | |
| 3 | QPSK | 1 | 14 | 19.22 | 19.45 | 19.24 | | |
| 3 | QPSK | 8 | 0 | 19.38 | 19.58 | 19.48 | 20.8 | 0 |
| 3 | QPSK | 8 | 4 | 19.41 | 19.65 | 19.47 | | |
| 3 | QPSK | 8 | 7 | 19.34 | 19.53 | 19.35 | | |
| 3 | QPSK | 15 | 0 | 19.37 | 19.50 | 19.39 | | |
| 3 | 16QAM | 1 | 0 | 19.67 | 19.83 | 19.71 | 20.8 | 0 |
| 3 | 16QAM | 1 | 8 | 19.63 | 19.80 | 19.71 | | |
| 3 | 16QAM | 1 | 14 | 19.56 | 19.72 | 19.59 | | |
| 3 | 16QAM | 8 | 0 | 19.43 | 19.64 | 19.54 | 20.8 | 0 |
| 3 | 16QAM | 8 | 4 | 19.49 | 19.65 | 19.51 | | |
| 3 | 16QAM | 8 | 7 | 19.37 | 19.59 | 19.45 | | |
| 3 | 16QAM | 15 | 0 | 19.41 | 19.53 | 19.47 | | |
| 3 | 64QAM | 1 | 0 | 19.55 | 19.75 | 19.67 | 20.8 | 0 |
| 3 | 64QAM | 1 | 8 | 19.57 | 19.74 | 19.68 | | |
| 3 | 64QAM | 1 | 14 | 19.44 | 19.67 | 19.55 | | |
| 3 | 64QAM | 8 | 0 | 19.46 | 19.60 | 19.31 | 20.8 | 0 |
| 3 | 64QAM | 8 | 4 | 19.46 | 19.67 | 19.52 | | |
| 3 | 64QAM | 8 | 7 | 19.39 | 19.63 | 19.47 | | |
| 3 | 64QAM | 15 | 0 | 19.39 | 19.54 | 19.31 | | |
| 3 | 256QAM | 1 | 0 | 17.36 | 17.33 | 17.50 | 18.8 | 0 |
| 3 | 256QAM | 1 | 8 | 17.37 | 17.38 | 17.44 | | |
| 3 | 256QAM | 1 | 14 | 17.15 | 17.35 | 17.08 | | |
| 3 | 256QAM | 8 | 0 | 17.35 | 17.44 | 17.43 | 18.8 | 0 |
| 3 | 256QAM | 8 | 4 | 17.46 | 17.43 | 17.39 | | |
| 3 | 256QAM | 8 | 7 | 17.45 | 17.42 | 17.31 | | |
| 3 | 256QAM | 15 | 0 | 17.32 | 17.40 | 17.49 | | |
| Channel | | | | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | |
| 1.4 | QPSK | 1 | 0 | 19.21 | 19.43 | 19.29 | 20.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 19.27 | 19.47 | 19.30 | | |
| 1.4 | QPSK | 1 | 5 | 19.17 | 19.39 | 19.20 | | |
| 1.4 | QPSK | 3 | 0 | 19.24 | 19.48 | 19.30 | | |
| 1.4 | QPSK | 3 | 1 | 19.25 | 19.48 | 19.33 | | |
| 1.4 | QPSK | 3 | 3 | 19.20 | 19.44 | 19.24 | 20.8 | 0 |
| 1.4 | QPSK | 6 | 0 | 19.29 | 19.54 | 19.32 | | |
| 1.4 | 16QAM | 1 | 0 | 19.57 | 19.81 | 19.61 | 20.8 | 0 |
| 1.4 | 16QAM | 1 | 3 | 19.59 | 19.84 | 19.67 | | |
| 1.4 | 16QAM | 1 | 5 | 19.50 | 19.72 | 19.54 | | |
| 1.4 | 16QAM | 3 | 0 | 19.32 | 19.53 | 19.38 | | |
| 1.4 | 16QAM | 3 | 1 | 19.38 | 19.56 | 19.46 | | |
| 1.4 | 16QAM | 3 | 3 | 19.29 | 19.51 | 19.36 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 19.39 | 19.61 | 19.42 | 20.8 | 0 |
| 1.4 | 64QAM | 1 | 0 | 19.48 | 19.64 | 19.56 | 20.8 | 0 |
| 1.4 | 64QAM | 1 | 3 | 19.50 | 19.67 | 19.57 | | |
| 1.4 | 64QAM | 1 | 5 | 19.41 | 19.57 | 19.48 | | |
| 1.4 | 64QAM | 3 | 0 | 19.44 | 19.64 | 19.51 | | |
| 1.4 | 64QAM | 3 | 1 | 19.46 | 19.68 | 19.53 | | |
| 1.4 | 64QAM | 3 | 3 | 19.41 | 19.61 | 19.48 | | |
| 1.4 | 64QAM | 6 | 0 | 19.30 | 19.50 | 19.40 | 20.8 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.26 | 17.25 | 17.43 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.37 | 17.33 | 17.43 | | |
| 1.4 | 256QAM | 1 | 5 | 17.14 | 17.26 | 17.02 | | |
| 1.4 | 256QAM | 3 | 0 | 17.25 | 17.44 | 17.43 | | |
| 1.4 | 256QAM | 3 | 1 | 17.37 | 17.35 | 17.35 | | |
| 1.4 | 256QAM | 3 | 3 | 17.39 | 17.39 | 17.27 | | |
| 1.4 | 256QAM | 6 | 0 | 17.22 | 17.30 | 17.43 | 18.8 | 0 |



<LTE Band 71>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 133222 | 133322 | 133372 | | |
| Frequency (MHz) | | | | 673 | 683 | 688 | | |
| 20 | QPSK | 1 | 0 | 23.58 | 23.65 | 23.62 | 23.8 | 0 |
| 20 | QPSK | 1 | 49 | 23.55 | 23.62 | 23.55 | | |
| 20 | QPSK | 1 | 99 | 23.42 | 23.45 | 23.47 | | |
| 20 | QPSK | 50 | 0 | 22.53 | 22.66 | 22.61 | 22.8 | 1 |
| 20 | QPSK | 50 | 24 | 22.51 | 22.69 | 22.53 | | |
| 20 | QPSK | 50 | 50 | 22.46 | 22.55 | 22.48 | | |
| 20 | QPSK | 100 | 0 | 22.43 | 22.49 | 22.46 | 22.8 | 1 |
| 20 | 16QAM | 1 | 0 | 22.65 | 22.67 | 22.52 | | |
| 20 | 16QAM | 1 | 49 | 22.56 | 22.61 | 22.57 | | |
| 20 | 16QAM | 1 | 99 | 22.47 | 22.52 | 22.44 | 21.8 | 2 |
| 20 | 16QAM | 50 | 0 | 21.59 | 21.66 | 21.53 | | |
| 20 | 16QAM | 50 | 24 | 21.48 | 21.59 | 21.50 | | |
| 20 | 16QAM | 50 | 50 | 21.46 | 21.53 | 21.56 | 21.8 | 2 |
| 20 | 16QAM | 100 | 0 | 21.38 | 21.40 | 21.44 | | |
| 20 | 64QAM | 1 | 0 | 21.59 | 21.73 | 21.71 | | |
| 20 | 64QAM | 1 | 49 | 21.62 | 21.66 | 21.63 | 21.8 | 2 |
| 20 | 64QAM | 1 | 99 | 21.68 | 21.62 | 21.61 | | |
| 20 | 64QAM | 50 | 0 | 20.48 | 20.60 | 20.57 | | |
| 20 | 64QAM | 50 | 24 | 20.57 | 20.65 | 20.54 | 20.8 | 3 |
| 20 | 64QAM | 50 | 50 | 20.60 | 20.57 | 20.43 | | |
| 20 | 64QAM | 100 | 0 | 20.46 | 20.46 | 20.50 | | |
| 20 | 256QAM | 1 | 0 | 21.59 | 21.73 | 21.71 | 20.8 | 2 |
| 20 | 256QAM | 1 | 49 | 21.62 | 21.66 | 21.63 | | |
| 20 | 256QAM | 1 | 99 | 21.68 | 21.62 | 21.61 | | |
| 20 | 256QAM | 50 | 0 | 20.48 | 20.60 | 20.57 | 19.8 | 3 |
| 20 | 256QAM | 50 | 24 | 20.57 | 20.65 | 20.54 | | |
| 20 | 256QAM | 50 | 50 | 20.60 | 20.57 | 20.43 | | |
| 20 | 256QAM | 100 | 0 | 20.46 | 20.46 | 20.50 | | |
| Channel | | | | 133197 | 133297 | 133397 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 670.5 | 680.5 | 690.5 | | |
| 15 | QPSK | 1 | 0 | 23.55 | 23.61 | 23.59 | 23.8 | 0 |
| 15 | QPSK | 1 | 37 | 23.51 | 23.56 | 23.53 | | |
| 15 | QPSK | 1 | 74 | 23.44 | 23.40 | 23.33 | | |
| 15 | QPSK | 36 | 0 | 22.64 | 22.69 | 22.71 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.56 | 22.60 | 22.63 | | |
| 15 | QPSK | 36 | 39 | 22.52 | 22.57 | 22.49 | | |
| 15 | QPSK | 75 | 0 | 22.52 | 22.54 | 22.45 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.77 | 22.73 | 22.65 | | |
| 15 | 16QAM | 1 | 37 | 22.73 | 22.60 | 22.78 | | |
| 15 | 16QAM | 1 | 74 | 22.54 | 22.77 | 22.67 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 21.78 | 21.71 | 21.77 | | |
| 15 | 16QAM | 36 | 20 | 21.59 | 21.68 | 21.56 | | |
| 15 | 16QAM | 36 | 39 | 21.56 | 21.62 | 21.52 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.44 | 21.58 | 21.49 | | |
| 15 | 64QAM | 1 | 0 | 21.70 | 21.66 | 21.80 | | |
| 15 | 64QAM | 1 | 37 | 21.68 | 21.62 | 21.67 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 21.57 | 21.57 | 21.62 | | |
| 15 | 64QAM | 36 | 0 | 20.41 | 20.58 | 20.55 | | |
| 15 | 64QAM | 36 | 20 | 20.56 | 20.61 | 20.54 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 20.48 | 20.55 | 20.55 | | |
| 15 | 64QAM | 75 | 0 | 20.53 | 20.41 | 20.49 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 21.70 | 21.66 | 21.80 | 20.8 | 2 |
| 15 | 256QAM | 1 | 37 | 21.68 | 21.62 | 21.67 | | |
| 15 | 256QAM | 1 | 74 | 21.57 | 21.57 | 21.62 | | |
| 15 | 256QAM | 36 | 0 | 20.41 | 20.58 | 20.55 | 19.8 | 3 |
| 15 | 256QAM | 36 | 20 | 20.56 | 20.61 | 20.54 | | |
| 15 | 256QAM | 36 | 39 | 20.48 | 20.55 | 20.55 | | |
| 15 | 256QAM | 75 | 0 | 20.53 | 20.41 | 20.49 | | |
| Channel | | | | 133172 | 133272 | 133422 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 668 | 678 | 693 | | |
| 10 | QPSK | 1 | 0 | 23.44 | 23.49 | 23.50 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 23.35 | 23.37 | 23.45 | | |
| 10 | QPSK | 1 | 49 | 23.29 | 23.21 | 23.32 | | |
| 10 | QPSK | 25 | 0 | 22.42 | 22.40 | 22.44 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 22.46 | 22.51 | 22.56 | | |
| 10 | QPSK | 25 | 25 | 22.50 | 22.46 | 22.45 | | |
| 10 | QPSK | 50 | 0 | 22.34 | 22.43 | 22.39 | | |
| 10 | 16QAM | 1 | 0 | 22.64 | 22.71 | 22.57 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.59 | 22.56 | 22.62 | | |
| 10 | 16QAM | 1 | 49 | 22.73 | 22.52 | 22.53 | | |
| 10 | 16QAM | 25 | 0 | 21.30 | 21.54 | 21.44 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 21.38 | 21.47 | 21.50 | | |
| 10 | 16QAM | 25 | 25 | 21.40 | 21.43 | 21.40 | | |
| 10 | 16QAM | 50 | 0 | 21.25 | 21.36 | 21.44 | | |
| 10 | 64QAM | 1 | 0 | 21.45 | 21.55 | 21.63 | 21.8 | 2 |
| 10 | 64QAM | 1 | 25 | 21.56 | 21.45 | 21.52 | | |
| 10 | 64QAM | 1 | 49 | 21.60 | 21.51 | 21.44 | | |
| 10 | 64QAM | 25 | 0 | 20.27 | 20.26 | 20.41 | 20.8 | 3 |
| 10 | 64QAM | 25 | 12 | 20.48 | 20.45 | 20.34 | | |
| 10 | 64QAM | 25 | 25 | 20.31 | 20.35 | 20.40 | | |
| 10 | 64QAM | 50 | 0 | 20.32 | 20.35 | 20.33 | | |
| 10 | 256QAM | 1 | 0 | 21.45 | 21.55 | 21.63 | 20.8 | 2 |
| 10 | 256QAM | 1 | 25 | 21.56 | 21.45 | 21.52 | | |
| 10 | 256QAM | 1 | 49 | 21.60 | 21.51 | 21.44 | | |
| 10 | 256QAM | 25 | 0 | 20.27 | 20.26 | 20.41 | 19.8 | 3 |
| 10 | 256QAM | 25 | 12 | 20.48 | 20.45 | 20.34 | | |
| 10 | 256QAM | 25 | 25 | 20.31 | 20.35 | 20.40 | | |
| 10 | 256QAM | 50 | 0 | 20.32 | 20.35 | 20.33 | | |
| Channel | | | | 133147 | 133247 | 133447 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 665.5 | 675.5 | 695.5 | | |
| 5 | QPSK | 1 | 0 | 23.45 | 23.50 | 23.53 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 23.43 | 23.40 | 23.43 | | |
| 5 | QPSK | 1 | 24 | 23.29 | 23.39 | 23.40 | | |
| 5 | QPSK | 12 | 0 | 22.56 | 22.43 | 22.45 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.41 | 22.39 | 22.34 | | |
| 5 | QPSK | 12 | 13 | 22.50 | 22.48 | 22.43 | | |
| 5 | QPSK | 25 | 0 | 22.39 | 22.43 | 22.39 | | |
| 5 | 16QAM | 1 | 0 | 22.52 | 22.49 | 22.51 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 22.53 | 22.43 | 22.39 | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.46 | 22.33 | | |
| 5 | 16QAM | 12 | 0 | 21.44 | 21.37 | 21.42 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 21.50 | 21.48 | 21.43 | | |
| 5 | 16QAM | 12 | 13 | 21.39 | 21.43 | 21.39 | | |
| 5 | 16QAM | 25 | 0 | 21.34 | 21.44 | 21.29 | | |
| 5 | 64QAM | 1 | 0 | 21.40 | 21.27 | 21.31 | 21.8 | 2 |
| 5 | 64QAM | 1 | 12 | 21.44 | 21.47 | 21.37 | | |
| 5 | 64QAM | 1 | 24 | 21.48 | 21.52 | 21.44 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 20.31 | 20.34 | 20.25 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 20.36 | 20.43 | 20.40 | | |
| 5 | 64QAM | 12 | 13 | 20.38 | 20.41 | 20.34 | | |
| 5 | 64QAM | 25 | 0 | 20.41 | 20.43 | 20.23 | 20.8 | 2 |
| 5 | 256QAM | 1 | 0 | 21.40 | 21.27 | 21.31 | | |
| 5 | 256QAM | 1 | 12 | 21.44 | 21.47 | 21.37 | | |
| 5 | 256QAM | 1 | 24 | 21.48 | 21.52 | 21.44 | 19.8 | 3 |
| 5 | 256QAM | 12 | 0 | 20.31 | 20.34 | 20.25 | | |
| 5 | 256QAM | 12 | 7 | 20.36 | 20.43 | 20.40 | | |
| 5 | 256QAM | 12 | 13 | 20.38 | 20.41 | 20.34 | | |
| 5 | 256QAM | 25 | 0 | 20.41 | 20.43 | 20.23 | | |



UAT Reduced Power Mode for Sensor On

<LTE Band 2>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 19.05 | 19.36 | 19.32 | 20 | 0 |
| 20 | QPSK | 1 | 49 | 19.07 | 19.32 | 19.19 | | |
| 20 | QPSK | 1 | 99 | 18.88 | 19.20 | 19.12 | | |
| 20 | QPSK | 50 | 0 | 19.31 | 19.26 | 19.12 | 20 | 0 |
| 20 | QPSK | 50 | 24 | 19.17 | 19.32 | 19.23 | | |
| 20 | QPSK | 50 | 50 | 19.23 | 19.30 | 19.28 | | |
| 20 | QPSK | 100 | 0 | 19.00 | 19.11 | 19.05 | 20 | 0 |
| 20 | 16QAM | 1 | 0 | 19.20 | 19.26 | 19.19 | | |
| 20 | 16QAM | 1 | 49 | 19.03 | 19.25 | 19.09 | | |
| 20 | 16QAM | 1 | 99 | 18.95 | 19.33 | 19.15 | 20 | 0 |
| 20 | 16QAM | 50 | 0 | 19.30 | 19.28 | 19.30 | | |
| 20 | 16QAM | 50 | 24 | 19.34 | 19.27 | 19.33 | | |
| 20 | 16QAM | 50 | 50 | 19.19 | 19.32 | 19.24 | 20 | 0 |
| 20 | 16QAM | 100 | 0 | 19.10 | 19.19 | 19.32 | | |
| 20 | 64QAM | 1 | 0 | 18.94 | 19.26 | 19.14 | | |
| 20 | 64QAM | 1 | 49 | 18.98 | 19.16 | 19.26 | 20 | 0 |
| 20 | 64QAM | 1 | 99 | 18.91 | 19.17 | 19.09 | | |
| 20 | 64QAM | 50 | 0 | 18.78 | 18.98 | 18.85 | | |
| 20 | 64QAM | 50 | 24 | 18.81 | 18.07 | 19.00 | 19 | 1 |
| 20 | 64QAM | 50 | 50 | 18.87 | 18.98 | 18.92 | | |
| 20 | 64QAM | 100 | 0 | 18.79 | 18.83 | 18.89 | | |
| 20 | 256QAM | 1 | 0 | 15.90 | 16.04 | 15.99 | 17 | 0 |
| 20 | 256QAM | 1 | 49 | 16.31 | 16.32 | 16.30 | | |
| 20 | 256QAM | 1 | 99 | 16.12 | 16.20 | 16.18 | | |
| 20 | 256QAM | 50 | 0 | 16.25 | 16.24 | 16.25 | 17 | 1 |
| 20 | 256QAM | 50 | 24 | 16.30 | 16.34 | 16.32 | | |
| 20 | 256QAM | 50 | 50 | 16.35 | 16.46 | 16.37 | | |
| 20 | 256QAM | 100 | 0 | 16.22 | 16.32 | 16.28 | | |
| Channel | | | | 18675 | 18900 | 19125 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 18.72 | 18.94 | 19.11 | 20 | 0 |
| 15 | QPSK | 1 | 37 | 18.84 | 19.07 | 19.12 | | |
| 15 | QPSK | 1 | 74 | 18.62 | 19.07 | 19.15 | | |
| 15 | QPSK | 36 | 0 | 18.93 | 19.12 | 18.91 | 20 | 0 |
| 15 | QPSK | 36 | 20 | 18.98 | 19.00 | 18.91 | | |
| 15 | QPSK | 36 | 39 | 19.09 | 19.15 | 19.23 | | |
| 15 | QPSK | 75 | 0 | 18.83 | 18.90 | 18.96 | 20 | 0 |
| 15 | 16QAM | 1 | 0 | 18.84 | 19.07 | 19.25 | | |
| 15 | 16QAM | 1 | 37 | 18.95 | 19.23 | 19.06 | | |
| 15 | 16QAM | 1 | 74 | 18.90 | 19.27 | 19.27 | 20 | 0 |
| 15 | 16QAM | 36 | 0 | 18.65 | 18.92 | 18.92 | | |
| 15 | 16QAM | 36 | 20 | 18.97 | 18.99 | 18.77 | | |
| 15 | 16QAM | 36 | 39 | 18.88 | 18.93 | 18.81 | 20 | 0 |
| 15 | 16QAM | 75 | 0 | 18.69 | 18.97 | 18.83 | | |
| 15 | 64QAM | 1 | 0 | 18.79 | 19.26 | 19.27 | | |
| 15 | 64QAM | 1 | 37 | 18.91 | 19.02 | 19.11 | 20 | 0 |
| 15 | 64QAM | 1 | 74 | 18.79 | 19.15 | 19.06 | | |
| 15 | 64QAM | 36 | 0 | 18.75 | 18.77 | 18.81 | | |
| 15 | 64QAM | 36 | 20 | 18.97 | 18.76 | 18.83 | 19 | 1 |
| 15 | 64QAM | 36 | 39 | 18.71 | 19.00 | 18.87 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 64QAM | 75 | 0 | 18.99 | 18.93 | 18.72 | | |
| 15 | 256QAM | 1 | 0 | 15.93 | 16.01 | 16.01 | 17 | 0 |
| 15 | 256QAM | 1 | 37 | 16.33 | 16.28 | 16.29 | | |
| 15 | 256QAM | 1 | 74 | 16.07 | 16.22 | 16.18 | | |
| 15 | 256QAM | 36 | 0 | 16.28 | 16.23 | 16.22 | 17 | 1 |
| 15 | 256QAM | 36 | 20 | 16.28 | 16.39 | 16.30 | | |
| 15 | 256QAM | 36 | 39 | 16.32 | 16.42 | 16.36 | | |
| 15 | 256QAM | 75 | 0 | 16.17 | 16.35 | 16.30 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 18.70 | 18.85 | 19.17 | 20 | 0 |
| 10 | QPSK | 1 | 25 | 18.90 | 19.11 | 18.97 | | |
| 10 | QPSK | 1 | 49 | 18.77 | 19.01 | 19.16 | | |
| 10 | QPSK | 25 | 0 | 18.91 | 18.83 | 19.08 | 20 | 0 |
| 10 | QPSK | 25 | 12 | 19.15 | 19.04 | 19.17 | | |
| 10 | QPSK | 25 | 25 | 18.91 | 19.10 | 19.23 | | |
| 10 | QPSK | 50 | 0 | 18.89 | 18.92 | 18.84 | | |
| 10 | 16QAM | 1 | 0 | 18.78 | 19.29 | 19.20 | 20 | 0 |
| 10 | 16QAM | 1 | 25 | 19.04 | 19.26 | 19.35 | | |
| 10 | 16QAM | 1 | 49 | 19.07 | 19.23 | 19.14 | | |
| 10 | 16QAM | 25 | 0 | 18.70 | 18.88 | 18.85 | 20 | 0 |
| 10 | 16QAM | 25 | 12 | 18.84 | 19.04 | 19.09 | | |
| 10 | 16QAM | 25 | 25 | 18.83 | 19.09 | 19.06 | | |
| 10 | 16QAM | 50 | 0 | 18.87 | 18.85 | 18.78 | | |
| 10 | 64QAM | 1 | 0 | 18.70 | 19.16 | 18.99 | 20 | 0 |
| 10 | 64QAM | 1 | 25 | 18.95 | 19.05 | 19.11 | | |
| 10 | 64QAM | 1 | 49 | 19.01 | 19.03 | 18.97 | | |
| 10 | 64QAM | 25 | 0 | 18.62 | 18.83 | 18.83 | 19 | 1 |
| 10 | 64QAM | 25 | 12 | 18.88 | 18.82 | 18.93 | | |
| 10 | 64QAM | 25 | 25 | 18.86 | 18.91 | 18.83 | | |
| 10 | 64QAM | 50 | 0 | 18.74 | 18.77 | 18.81 | | |
| 10 | 256QAM | 1 | 0 | 15.95 | 15.96 | 16.06 | 17 | 0 |
| 10 | 256QAM | 1 | 25 | 16.34 | 16.28 | 16.30 | | |
| 10 | 256QAM | 1 | 49 | 16.07 | 16.21 | 16.14 | | |
| 10 | 256QAM | 25 | 0 | 16.27 | 16.20 | 16.21 | 17 | 1 |
| 10 | 256QAM | 25 | 12 | 16.31 | 16.41 | 16.27 | | |
| 10 | 256QAM | 25 | 25 | 16.36 | 16.40 | 16.33 | | |
| 10 | 256QAM | 50 | 0 | 16.19 | 16.36 | 16.30 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 18.88 | 18.98 | 18.94 | 20 | 0 |
| 5 | QPSK | 1 | 12 | 18.68 | 19.03 | 18.91 | | |
| 5 | QPSK | 1 | 24 | 18.70 | 18.93 | 18.90 | | |
| 5 | QPSK | 12 | 0 | 18.89 | 18.85 | 18.97 | 20 | 0 |
| 5 | QPSK | 12 | 7 | 18.87 | 18.93 | 18.94 | | |
| 5 | QPSK | 12 | 13 | 19.04 | 19.04 | 19.27 | | |
| 5 | QPSK | 25 | 0 | 18.80 | 18.97 | 18.89 | | |
| 5 | 16QAM | 1 | 0 | 19.02 | 19.14 | 19.36 | 20 | 0 |
| 5 | 16QAM | 1 | 12 | 19.03 | 19.25 | 19.17 | | |
| 5 | 16QAM | 1 | 24 | 19.12 | 19.14 | 19.18 | | |
| 5 | 16QAM | 12 | 0 | 18.81 | 18.95 | 18.95 | 20 | 0 |
| 5 | 16QAM | 12 | 7 | 18.84 | 18.96 | 18.92 | | |
| 5 | 16QAM | 12 | 13 | 18.76 | 18.97 | 18.92 | | |
| 5 | 16QAM | 25 | 0 | 18.81 | 18.76 | 18.86 | | |
| 5 | 64QAM | 1 | 0 | 18.79 | 19.20 | 18.99 | 20 | 0 |
| 5 | 64QAM | 1 | 12 | 19.07 | 19.11 | 18.99 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 1 | 24 | 18.86 | 19.20 | 19.13 | | |
| 5 | 64QAM | 12 | 0 | 18.67 | 18.97 | 18.83 | 19 | 1 |
| 5 | 64QAM | 12 | 7 | 18.74 | 18.90 | 18.93 | | |
| 5 | 64QAM | 12 | 13 | 18.78 | 18.94 | 18.85 | | |
| 5 | 64QAM | 25 | 0 | 18.74 | 18.95 | 18.95 | | |
| 5 | 256QAM | 1 | 0 | 15.99 | 15.93 | 16.07 | 17 | 0 |
| 5 | 256QAM | 1 | 12 | 16.37 | 16.27 | 16.34 | | |
| 5 | 256QAM | 1 | 24 | 16.07 | 16.17 | 16.12 | | |
| 5 | 256QAM | 12 | 0 | 16.30 | 16.23 | 16.19 | 17 | 1 |
| 5 | 256QAM | 12 | 7 | 16.35 | 16.44 | 16.22 | | |
| 5 | 256QAM | 12 | 13 | 16.33 | 16.44 | 16.34 | | |
| 5 | 256QAM | 25 | 0 | 16.19 | 16.35 | 16.31 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 18.63 | 19.12 | 18.98 | 20 | 0 |
| 3 | QPSK | 1 | 8 | 18.70 | 18.87 | 18.83 | | |
| 3 | QPSK | 1 | 14 | 18.66 | 19.10 | 18.85 | | |
| 3 | QPSK | 8 | 0 | 18.75 | 19.02 | 19.07 | 20 | 0 |
| 3 | QPSK | 8 | 4 | 19.06 | 18.93 | 19.14 | | |
| 3 | QPSK | 8 | 7 | 19.03 | 18.99 | 19.16 | | |
| 3 | QPSK | 15 | 0 | 19.00 | 19.03 | 18.99 | | |
| 3 | 16QAM | 1 | 0 | 19.06 | 19.16 | 19.06 | 20 | 0 |
| 3 | 16QAM | 1 | 8 | 18.97 | 19.20 | 19.31 | | |
| 3 | 16QAM | 1 | 14 | 19.04 | 19.07 | 19.23 | | |
| 3 | 16QAM | 8 | 0 | 18.74 | 18.94 | 18.96 | 20 | 0 |
| 3 | 16QAM | 8 | 4 | 18.86 | 18.87 | 19.06 | | |
| 3 | 16QAM | 8 | 7 | 18.93 | 18.97 | 18.99 | | |
| 3 | 16QAM | 15 | 0 | 18.95 | 18.92 | 18.93 | | |
| 3 | 64QAM | 1 | 0 | 18.65 | 19.00 | 19.02 | 20 | 0 |
| 3 | 64QAM | 1 | 8 | 19.00 | 19.25 | 19.05 | | |
| 3 | 64QAM | 1 | 14 | 18.94 | 19.22 | 18.86 | | |
| 3 | 64QAM | 8 | 0 | 18.81 | 18.85 | 18.85 | 19 | 1 |
| 3 | 64QAM | 8 | 4 | 18.81 | 18.93 | 18.99 | | |
| 3 | 64QAM | 8 | 7 | 18.84 | 18.90 | 18.96 | | |
| 3 | 64QAM | 15 | 0 | 18.68 | 18.81 | 18.86 | | |
| 3 | 256QAM | 1 | 0 | 15.95 | 15.89 | 16.02 | 17 | 0 |
| 3 | 256QAM | 1 | 8 | 16.40 | 16.27 | 16.37 | | |
| 3 | 256QAM | 1 | 14 | 16.03 | 16.21 | 16.10 | | |
| 3 | 256QAM | 8 | 0 | 16.29 | 16.23 | 16.21 | 17 | 1 |
| 3 | 256QAM | 8 | 4 | 16.36 | 16.40 | 16.24 | | |
| 3 | 256QAM | 8 | 7 | 16.31 | 16.49 | 16.36 | | |
| 3 | 256QAM | 15 | 0 | 16.21 | 16.37 | 16.33 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 18.81 | 19.11 | 19.14 | 20 | 0 |
| 1.4 | QPSK | 1 | 3 | 18.90 | 18.90 | 18.97 | | |
| 1.4 | QPSK | 1 | 5 | 18.83 | 18.97 | 19.15 | | |
| 1.4 | QPSK | 3 | 0 | 18.91 | 19.10 | 19.03 | | |
| 1.4 | QPSK | 3 | 1 | 19.10 | 19.12 | 18.95 | | |
| 1.4 | QPSK | 3 | 3 | 18.93 | 19.05 | 19.26 | | |
| 1.4 | QPSK | 6 | 0 | 18.98 | 19.02 | 18.95 | 20 | 0 |
| 1.4 | 16QAM | 1 | 0 | 18.93 | 19.15 | 19.21 | 20 | 0 |
| 1.4 | 16QAM | 1 | 3 | 19.09 | 19.32 | 19.28 | | |
| 1.4 | 16QAM | 1 | 5 | 19.12 | 19.17 | 19.05 | | |
| 1.4 | 16QAM | 3 | 0 | 18.67 | 18.81 | 18.83 | | |
| 1.4 | 16QAM | 3 | 1 | 18.77 | 18.92 | 19.00 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 3 | 3 | 18.68 | 19.09 | 18.84 | | |
| 1.4 | 16QAM | 6 | 0 | 18.71 | 18.93 | 18.77 | 20 | 0 |
| 1.4 | 64QAM | 1 | 0 | 18.89 | 19.22 | 18.98 | 20 | 0 |
| 1.4 | 64QAM | 1 | 3 | 19.09 | 18.94 | 18.89 | | |
| 1.4 | 64QAM | 1 | 5 | 19.02 | 19.19 | 18.93 | | |
| 1.4 | 64QAM | 3 | 0 | 18.67 | 18.88 | 18.94 | | |
| 1.4 | 64QAM | 3 | 1 | 18.95 | 19.00 | 19.06 | | |
| 1.4 | 64QAM | 3 | 3 | 18.90 | 18.90 | 18.82 | | |
| 1.4 | 64QAM | 6 | 0 | 18.93 | 18.94 | 18.94 | 19 | 1 |
| 1.4 | 256QAM | 1 | 0 | 15.98 | 15.93 | 16.07 | 17 | 0 |
| 1.4 | 256QAM | 1 | 3 | 16.39 | 16.31 | 16.34 | | |
| 1.4 | 256QAM | 1 | 5 | 16.04 | 16.22 | 16.11 | | |
| 1.4 | 256QAM | 3 | 0 | 16.31 | 16.22 | 16.21 | | |
| 1.4 | 256QAM | 3 | 1 | 16.35 | 16.45 | 16.28 | | |
| 1.4 | 256QAM | 3 | 3 | 16.30 | 16.49 | 16.40 | | |
| 1.4 | 256QAM | 6 | 0 | 16.16 | 16.37 | 16.32 | 17 | 0 |



<LTE Band 7>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 18.42 | 18.16 | 18.06 | 18.8 | 0 |
| 20 | QPSK | 1 | 49 | 18.38 | 18.17 | 18.11 | | |
| 20 | QPSK | 1 | 99 | 18.41 | 18.23 | 18.18 | | |
| 20 | QPSK | 50 | 0 | 18.46 | 18.33 | 18.14 | 18.8 | 0 |
| 20 | QPSK | 50 | 24 | 18.51 | 18.32 | 18.17 | | |
| 20 | QPSK | 50 | 50 | 18.43 | 18.34 | 18.24 | | |
| 20 | QPSK | 100 | 0 | 18.37 | 18.29 | 18.10 | 18.8 | 0 |
| 20 | 16QAM | 1 | 0 | 18.70 | 18.50 | 18.42 | | |
| 20 | 16QAM | 1 | 49 | 18.71 | 18.54 | 18.45 | | |
| 20 | 16QAM | 1 | 99 | 18.75 | 18.64 | 18.56 | 18.8 | 0 |
| 20 | 16QAM | 50 | 0 | 18.52 | 18.34 | 18.16 | | |
| 20 | 16QAM | 50 | 24 | 18.55 | 18.37 | 18.20 | | |
| 20 | 16QAM | 50 | 50 | 18.46 | 18.39 | 18.28 | 18.8 | 0 |
| 20 | 16QAM | 100 | 0 | 18.39 | 18.30 | 18.13 | | |
| 20 | 64QAM | 1 | 0 | 18.62 | 18.42 | 18.25 | | |
| 20 | 64QAM | 1 | 49 | 18.61 | 18.37 | 18.33 | 18.8 | 0 |
| 20 | 64QAM | 1 | 99 | 18.65 | 18.50 | 18.39 | | |
| 20 | 64QAM | 50 | 0 | 18.55 | 18.36 | 18.20 | | |
| 20 | 64QAM | 50 | 24 | 18.56 | 18.38 | 18.23 | 18.8 | 0 |
| 20 | 64QAM | 50 | 50 | 18.49 | 18.39 | 18.30 | | |
| 20 | 64QAM | 100 | 0 | 18.41 | 18.31 | 18.12 | | |
| 20 | 256QAM | 1 | 0 | 16.16 | 16.07 | 16.11 | 16.8 | 0 |
| 20 | 256QAM | 1 | 49 | 16.24 | 16.13 | 16.05 | | |
| 20 | 256QAM | 1 | 99 | 16.09 | 16.12 | 16.13 | | |
| 20 | 256QAM | 50 | 0 | 16.19 | 16.09 | 15.93 | 16.8 | 0 |
| 20 | 256QAM | 50 | 24 | 16.14 | 16.13 | 16.03 | | |
| 20 | 256QAM | 50 | 50 | 16.16 | 16.17 | 15.96 | | |
| 20 | 256QAM | 100 | 0 | 16.17 | 16.14 | 16.02 | | |
| Channel | | | | 20825 | 21100 | 21375 | | |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 18.44 | 18.22 | 18.13 | 18.8 | 0 |
| 15 | QPSK | 1 | 37 | 18.41 | 18.19 | 18.11 | | |
| 15 | QPSK | 1 | 74 | 18.48 | 18.28 | 18.19 | | |
| 15 | QPSK | 36 | 0 | 18.52 | 18.33 | 18.15 | 18.8 | 0 |
| 15 | QPSK | 36 | 20 | 18.56 | 18.36 | 18.27 | | |
| 15 | QPSK | 36 | 39 | 18.54 | 18.35 | 18.24 | | |
| 15 | QPSK | 75 | 0 | 18.50 | 18.31 | 18.21 | 18.8 | 0 |
| 15 | 16QAM | 1 | 0 | 18.72 | 18.51 | 18.37 | | |
| 15 | 16QAM | 1 | 37 | 18.74 | 18.55 | 18.43 | | |
| 15 | 16QAM | 1 | 74 | 18.72 | 18.62 | 18.52 | 18.8 | 0 |
| 15 | 16QAM | 36 | 0 | 18.56 | 18.34 | 18.16 | | |
| 15 | 16QAM | 36 | 20 | 18.57 | 18.35 | 18.25 | | |
| 15 | 16QAM | 36 | 39 | 18.56 | 18.35 | 18.27 | 18.8 | 0 |
| 15 | 16QAM | 75 | 0 | 18.51 | 18.33 | 18.23 | | |
| 15 | 64QAM | 1 | 0 | 18.71 | 18.45 | 18.30 | | |
| 15 | 64QAM | 1 | 37 | 18.67 | 18.47 | 18.44 | 18.8 | 0 |
| 15 | 64QAM | 1 | 74 | 18.70 | 18.52 | 18.42 | | |
| 15 | 64QAM | 36 | 0 | 18.58 | 18.40 | 18.22 | | |
| 15 | 64QAM | 36 | 20 | 18.60 | 18.39 | 18.31 | 18.8 | 0 |
| 15 | 64QAM | 36 | 39 | 18.58 | 18.38 | 18.32 | | |
| 15 | 64QAM | 75 | 0 | 18.52 | 18.33 | 18.24 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 16.10 | 16.07 | 16.04 | 16.8 | 0 |
| 15 | 256QAM | 1 | 37 | 16.19 | 16.11 | 15.96 | | |
| 15 | 256QAM | 1 | 74 | 16.07 | 16.06 | 16.07 | | |
| 15 | 256QAM | 36 | 0 | 16.13 | 15.99 | 15.86 | 16.8 | 0 |
| 15 | 256QAM | 36 | 20 | 16.14 | 16.08 | 16.02 | | |
| 15 | 256QAM | 36 | 39 | 16.14 | 16.15 | 15.92 | | |
| 15 | 256QAM | 75 | 0 | 16.14 | 16.06 | 16.00 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 18.23 | 18.03 | 17.90 | 18.8 | 0 |
| 10 | QPSK | 1 | 25 | 18.19 | 18.01 | 17.88 | | |
| 10 | QPSK | 1 | 49 | 18.24 | 18.07 | 17.96 | | |
| 10 | QPSK | 25 | 0 | 18.32 | 18.13 | 17.93 | 18.8 | 0 |
| 10 | QPSK | 25 | 12 | 18.31 | 18.16 | 17.97 | | |
| 10 | QPSK | 25 | 25 | 18.32 | 18.14 | 18.04 | | |
| 10 | QPSK | 50 | 0 | 18.27 | 18.09 | 17.90 | | |
| 10 | 16QAM | 1 | 0 | 18.59 | 18.41 | 18.30 | 18.8 | 0 |
| 10 | 16QAM | 1 | 25 | 18.63 | 18.40 | 18.28 | | |
| 10 | 16QAM | 1 | 49 | 18.65 | 18.47 | 18.36 | | |
| 10 | 16QAM | 25 | 0 | 18.32 | 18.12 | 17.92 | 18.8 | 0 |
| 10 | 16QAM | 25 | 12 | 18.35 | 18.14 | 17.96 | | |
| 10 | 16QAM | 25 | 25 | 18.33 | 18.12 | 18.04 | | |
| 10 | 16QAM | 50 | 0 | 18.27 | 18.09 | 17.91 | | |
| 10 | 64QAM | 1 | 0 | 18.49 | 18.30 | 18.11 | 18.8 | 0 |
| 10 | 64QAM | 1 | 25 | 18.50 | 18.30 | 18.23 | | |
| 10 | 64QAM | 1 | 49 | 18.55 | 18.36 | 18.23 | | |
| 10 | 64QAM | 25 | 0 | 18.33 | 18.14 | 17.98 | 18.8 | 0 |
| 10 | 64QAM | 25 | 12 | 18.38 | 18.20 | 18.01 | | |
| 10 | 64QAM | 25 | 25 | 18.35 | 18.17 | 18.07 | | |
| 10 | 64QAM | 50 | 0 | 18.31 | 18.14 | 17.92 | | |
| 10 | 256QAM | 1 | 0 | 16.15 | 15.93 | 15.96 | 16.8 | 0 |
| 10 | 256QAM | 1 | 25 | 16.19 | 16.03 | 15.97 | | |
| 10 | 256QAM | 1 | 49 | 16.06 | 16.01 | 15.99 | | |
| 10 | 256QAM | 25 | 0 | 16.07 | 16.01 | 15.87 | 16.8 | 0 |
| 10 | 256QAM | 25 | 12 | 16.07 | 16.12 | 15.97 | | |
| 10 | 256QAM | 25 | 25 | 16.05 | 16.11 | 15.82 | | |
| 10 | 256QAM | 50 | 0 | 15.99 | 16.14 | 15.89 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 18.27 | 18.06 | 17.97 | 18.8 | 0 |
| 5 | QPSK | 1 | 12 | 18.32 | 18.08 | 18.01 | | |
| 5 | QPSK | 1 | 24 | 18.28 | 18.10 | 17.99 | | |
| 5 | QPSK | 12 | 0 | 18.32 | 18.16 | 18.03 | 18.8 | 0 |
| 5 | QPSK | 12 | 7 | 18.39 | 18.18 | 18.11 | | |
| 5 | QPSK | 12 | 13 | 18.35 | 18.15 | 18.01 | | |
| 5 | QPSK | 25 | 0 | 18.36 | 18.15 | 18.05 | | |
| 5 | 16QAM | 1 | 0 | 18.62 | 18.42 | 18.29 | 18.8 | 0 |
| 5 | 16QAM | 1 | 12 | 18.63 | 18.41 | 18.32 | | |
| 5 | 16QAM | 1 | 24 | 18.61 | 18.47 | 18.29 | | |
| 5 | 16QAM | 12 | 0 | 18.38 | 18.16 | 18.07 | 18.8 | 0 |
| 5 | 16QAM | 12 | 7 | 18.43 | 18.21 | 18.10 | | |
| 5 | 16QAM | 12 | 13 | 18.38 | 18.19 | 18.09 | | |
| 5 | 16QAM | 25 | 0 | 18.37 | 18.16 | 18.05 | | |
| 5 | 64QAM | 1 | 0 | 18.59 | 18.39 | 18.29 | 18.8 | 0 |
| 5 | 64QAM | 1 | 12 | 18.58 | 18.39 | 18.25 | | |
| 5 | 64QAM | 1 | 24 | 18.56 | 18.38 | 18.23 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 18.40 | 18.23 | 18.09 | 18.8 | 0 |
| 5 | 64QAM | 12 | 7 | 18.45 | 18.27 | 18.15 | | |
| 5 | 64QAM | 12 | 13 | 18.39 | 18.23 | 18.08 | | |
| 5 | 64QAM | 25 | 0 | 18.36 | 18.18 | 18.04 | 16.8 | 0 |
| 5 | 256QAM | 1 | 0 | 16.09 | 15.88 | 15.93 | | |
| 5 | 256QAM | 1 | 12 | 16.14 | 15.95 | 15.95 | | |
| 5 | 256QAM | 1 | 24 | 16.05 | 15.93 | 15.91 | 16.8 | 0 |
| 5 | 256QAM | 12 | 0 | 16.02 | 16.01 | 15.81 | | |
| 5 | 256QAM | 12 | 7 | 16.05 | 16.08 | 15.87 | | |
| 5 | 256QAM | 12 | 13 | 15.96 | 16.08 | 15.81 | 16.8 | 0 |
| 5 | 256QAM | 25 | 0 | 15.95 | 16.11 | 15.89 | | |



<LTE Band 25>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26140 | 26340 | 26590 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1905 | | |
| 20 | QPSK | 1 | 0 | 19.01 | 19.13 | 19.07 | 20 | 0 |
| 20 | QPSK | 1 | 49 | 18.79 | 18.96 | 18.77 | | |
| 20 | QPSK | 1 | 99 | 18.78 | 18.64 | 18.69 | | |
| 20 | QPSK | 50 | 0 | 19.02 | 18.90 | 18.71 | 20 | 0 |
| 20 | QPSK | 50 | 24 | 18.98 | 19.07 | 18.93 | | |
| 20 | QPSK | 50 | 50 | 18.88 | 18.92 | 18.81 | | |
| 20 | QPSK | 100 | 0 | 18.96 | 19.05 | 18.90 | 20 | 0 |
| 20 | 16QAM | 1 | 0 | 18.81 | 18.47 | 18.96 | | |
| 20 | 16QAM | 1 | 49 | 18.72 | 18.94 | 18.95 | | |
| 20 | 16QAM | 1 | 99 | 18.89 | 18.78 | 18.74 | 20 | 0 |
| 20 | 16QAM | 50 | 0 | 18.95 | 18.98 | 18.86 | | |
| 20 | 16QAM | 50 | 24 | 18.93 | 18.71 | 18.74 | | |
| 20 | 16QAM | 50 | 50 | 18.96 | 18.83 | 18.90 | 20 | 0 |
| 20 | 16QAM | 100 | 0 | 18.81 | 18.77 | 18.83 | | |
| 20 | 64QAM | 1 | 0 | 18.63 | 18.90 | 18.81 | | |
| 20 | 64QAM | 1 | 49 | 18.73 | 18.92 | 18.92 | 20 | 0 |
| 20 | 64QAM | 1 | 99 | 18.63 | 18.76 | 18.65 | | |
| 20 | 64QAM | 50 | 0 | 18.55 | 18.69 | 18.47 | | |
| 20 | 64QAM | 50 | 24 | 18.66 | 18.85 | 18.52 | 19 | 1 |
| 20 | 64QAM | 50 | 50 | 18.58 | 18.79 | 18.65 | | |
| 20 | 64QAM | 100 | 0 | 18.61 | 18.56 | 18.68 | | |
| 20 | 256QAM | 1 | 0 | 16.09 | 16.25 | 16.05 | 17 | 3 |
| 20 | 256QAM | 1 | 49 | 16.13 | 16.02 | 16.15 | | |
| 20 | 256QAM | 1 | 99 | 16.19 | 16.08 | 16.22 | | |
| 20 | 256QAM | 50 | 0 | 16.21 | 16.16 | 16.12 | 17 | 3 |
| 20 | 256QAM | 50 | 24 | 16.23 | 16.19 | 16.33 | | |
| 20 | 256QAM | 50 | 50 | 16.01 | 16.09 | 16.06 | | |
| 20 | 256QAM | 100 | 0 | 16.12 | 16.08 | 16.13 | | |
| Channel | | | | 26115 | 26340 | 26615 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1907.5 | | |
| 15 | QPSK | 1 | 0 | 18.71 | 19.12 | 18.90 | 20 | 0 |
| 15 | QPSK | 1 | 37 | 18.59 | 18.91 | 18.95 | | |
| 15 | QPSK | 1 | 74 | 18.91 | 18.55 | 18.71 | | |
| 15 | QPSK | 36 | 0 | 18.98 | 18.85 | 18.97 | 20 | 0 |
| 15 | QPSK | 36 | 20 | 18.77 | 18.85 | 19.01 | | |
| 15 | QPSK | 36 | 39 | 18.76 | 18.93 | 18.95 | | |
| 15 | QPSK | 75 | 0 | 18.86 | 18.77 | 18.77 | 20 | 0 |
| 15 | 16QAM | 1 | 0 | 18.86 | 18.70 | 18.90 | | |
| 15 | 16QAM | 1 | 37 | 18.69 | 18.80 | 19.02 | | |
| 15 | 16QAM | 1 | 74 | 18.74 | 18.80 | 18.82 | 20 | 0 |
| 15 | 16QAM | 36 | 0 | 18.85 | 18.94 | 18.97 | | |
| 15 | 16QAM | 36 | 20 | 18.77 | 18.61 | 18.89 | | |
| 15 | 16QAM | 36 | 39 | 18.88 | 18.92 | 18.77 | 20 | 0 |
| 15 | 16QAM | 75 | 0 | 18.67 | 18.85 | 18.80 | | |
| 15 | 64QAM | 1 | 0 | 18.50 | 18.87 | 18.92 | | |
| 15 | 64QAM | 1 | 37 | 18.79 | 18.91 | 18.84 | 20 | 0 |
| 15 | 64QAM | 1 | 74 | 18.61 | 18.67 | 18.83 | | |
| 15 | 64QAM | 36 | 0 | 18.66 | 18.71 | 18.71 | | |
| 15 | 64QAM | 36 | 20 | 18.49 | 18.80 | 18.66 | 19 | 1 |
| 15 | 64QAM | 36 | 39 | 18.50 | 18.86 | 18.58 | | |
| 15 | 64QAM | 75 | 0 | 18.63 | 18.67 | 18.62 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 16.17 | 16.18 | 16.05 | 17 | 3 |
| 15 | 256QAM | 1 | 37 | 16.01 | 16.11 | 16.00 | | |
| 15 | 256QAM | 1 | 74 | 16.20 | 16.18 | 16.22 | | |
| 15 | 256QAM | 36 | 0 | 16.14 | 16.03 | 16.27 | 17 | 3 |
| 15 | 256QAM | 36 | 20 | 16.20 | 16.18 | 16.25 | | |
| 15 | 256QAM | 36 | 39 | 16.02 | 16.13 | 16.08 | | |
| 15 | 256QAM | 75 | 0 | 16.12 | 16.24 | 16.17 | | |
| Channel | | | | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1910 | | |
| 10 | QPSK | 1 | 0 | 18.74 | 18.97 | 19.02 | 20 | 0 |
| 10 | QPSK | 1 | 25 | 18.83 | 18.95 | 18.76 | | |
| 10 | QPSK | 1 | 49 | 18.84 | 18.58 | 18.83 | | |
| 10 | QPSK | 25 | 0 | 18.94 | 18.79 | 18.96 | 20 | 0 |
| 10 | QPSK | 25 | 12 | 19.02 | 18.95 | 18.81 | | |
| 10 | QPSK | 25 | 25 | 18.89 | 18.86 | 18.85 | | |
| 10 | QPSK | 50 | 0 | 19.08 | 18.90 | 18.93 | | |
| 10 | 16QAM | 1 | 0 | 18.91 | 18.70 | 18.76 | 20 | 0 |
| 10 | 16QAM | 1 | 25 | 18.83 | 18.82 | 18.93 | | |
| 10 | 16QAM | 1 | 49 | 18.93 | 18.77 | 18.71 | | |
| 10 | 16QAM | 25 | 0 | 18.89 | 19.04 | 18.80 | 20 | 0 |
| 10 | 16QAM | 25 | 12 | 18.72 | 18.81 | 18.94 | | |
| 10 | 16QAM | 25 | 25 | 18.76 | 18.91 | 19.04 | | |
| 10 | 16QAM | 50 | 0 | 18.87 | 18.80 | 18.74 | | |
| 10 | 64QAM | 1 | 0 | 18.76 | 19.03 | 18.93 | 20 | 0 |
| 10 | 64QAM | 1 | 25 | 18.88 | 19.00 | 18.87 | | |
| 10 | 64QAM | 1 | 49 | 18.78 | 18.87 | 18.92 | | |
| 10 | 64QAM | 25 | 0 | 18.49 | 18.73 | 18.64 | 19 | 1 |
| 10 | 64QAM | 25 | 12 | 18.66 | 18.72 | 18.67 | | |
| 10 | 64QAM | 25 | 25 | 18.32 | 18.73 | 18.78 | | |
| 10 | 64QAM | 50 | 0 | 18.45 | 18.74 | 18.62 | | |
| 10 | 256QAM | 1 | 0 | 16.23 | 16.26 | 16.06 | 17 | 3 |
| 10 | 256QAM | 1 | 25 | 16.13 | 16.14 | 16.08 | | |
| 10 | 256QAM | 1 | 49 | 16.09 | 16.27 | 16.11 | | |
| 10 | 256QAM | 25 | 0 | 16.16 | 16.20 | 16.26 | 17 | 3 |
| 10 | 256QAM | 25 | 12 | 16.25 | 16.24 | 16.21 | | |
| 10 | 256QAM | 25 | 25 | 16.16 | 16.15 | 16.22 | | |
| 10 | 256QAM | 50 | 0 | 16.14 | 16.19 | 16.09 | | |
| Channel | | | | 26065 | 26340 | 26665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1912.5 | | |
| 5 | QPSK | 1 | 0 | 18.82 | 18.81 | 18.85 | 20 | 0 |
| 5 | QPSK | 1 | 12 | 18.72 | 18.99 | 18.99 | | |
| 5 | QPSK | 1 | 24 | 18.87 | 18.65 | 18.72 | | |
| 5 | QPSK | 12 | 0 | 18.84 | 18.87 | 18.92 | 20 | 0 |
| 5 | QPSK | 12 | 7 | 19.02 | 19.01 | 18.72 | | |
| 5 | QPSK | 12 | 13 | 18.71 | 18.84 | 18.72 | | |
| 5 | QPSK | 25 | 0 | 18.90 | 18.83 | 18.81 | | |
| 5 | 16QAM | 1 | 0 | 18.87 | 18.56 | 19.02 | 20 | 0 |
| 5 | 16QAM | 1 | 12 | 18.78 | 18.85 | 18.91 | | |
| 5 | 16QAM | 1 | 24 | 18.86 | 18.72 | 18.77 | | |
| 5 | 16QAM | 12 | 0 | 18.64 | 18.99 | 18.77 | 20 | 0 |
| 5 | 16QAM | 12 | 7 | 18.84 | 18.67 | 18.87 | | |
| 5 | 16QAM | 12 | 13 | 18.98 | 18.81 | 18.99 | | |
| 5 | 16QAM | 25 | 0 | 18.64 | 19.01 | 18.79 | | |
| 5 | 64QAM | 1 | 0 | 18.46 | 18.82 | 18.79 | 20 | 0 |
| 5 | 64QAM | 1 | 12 | 18.76 | 18.79 | 18.67 | | |
| 5 | 64QAM | 1 | 24 | 18.63 | 18.71 | 18.73 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|----|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 18.61 | 18.71 | 18.67 | 19 | 1 | | |
| 5 | 64QAM | 12 | 7 | 18.54 | 18.84 | 18.67 | | | | |
| 5 | 64QAM | 12 | 13 | 18.51 | 18.83 | 18.68 | | | | |
| 5 | 64QAM | 25 | 0 | 18.48 | 18.69 | 18.39 | 17 | 3 | | |
| 5 | 256QAM | 1 | 0 | 16.11 | 16.15 | 16.04 | | | | |
| 5 | 256QAM | 1 | 12 | 16.08 | 16.17 | 16.07 | | | | |
| 5 | 256QAM | 1 | 24 | 16.24 | 16.15 | 16.15 | 17 | 3 | | |
| 5 | 256QAM | 12 | 0 | 16.27 | 16.09 | 16.25 | | | | |
| 5 | 256QAM | 12 | 7 | 16.24 | 16.22 | 16.26 | | | | |
| 5 | 256QAM | 12 | 13 | 16.03 | 16.09 | 16.25 | 17 | 3 | | |
| 5 | 256QAM | 25 | 0 | 16.28 | 16.25 | 16.16 | | | | |
| Channel | | | | 26055 | 26340 | 26675 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1913.5 | | | | |
| 3 | QPSK | 1 | 0 | 18.84 | 18.86 | 18.93 | 20 | 0 | | |
| 3 | QPSK | 1 | 8 | 18.65 | 18.84 | 19.02 | | | | |
| 3 | QPSK | 1 | 14 | 18.89 | 18.75 | 18.75 | | | | |
| 3 | QPSK | 8 | 0 | 18.94 | 18.81 | 18.82 | 20 | 0 | | |
| 3 | QPSK | 8 | 4 | 18.75 | 18.77 | 18.97 | | | | |
| 3 | QPSK | 8 | 7 | 18.94 | 18.85 | 18.87 | | | | |
| 3 | QPSK | 15 | 0 | 18.93 | 18.87 | 18.82 | 20 | 0 | | |
| 3 | 16QAM | 1 | 0 | 18.74 | 18.75 | 18.82 | | | | |
| 3 | 16QAM | 1 | 8 | 18.87 | 19.04 | 18.87 | | | | |
| 3 | 16QAM | 1 | 14 | 18.80 | 18.86 | 18.72 | 20 | 0 | | |
| 3 | 16QAM | 8 | 0 | 18.85 | 18.94 | 18.80 | | | | |
| 3 | 16QAM | 8 | 4 | 18.72 | 18.71 | 18.80 | | | | |
| 3 | 16QAM | 8 | 7 | 18.85 | 18.92 | 19.04 | 20 | 0 | | |
| 3 | 16QAM | 15 | 0 | 18.87 | 19.01 | 18.73 | | | | |
| 3 | 64QAM | 1 | 0 | 18.53 | 18.87 | 18.71 | | | | |
| 3 | 64QAM | 1 | 8 | 18.74 | 18.84 | 18.93 | 20 | 0 | | |
| 3 | 64QAM | 1 | 14 | 18.75 | 18.57 | 18.86 | | | | |
| 3 | 64QAM | 8 | 0 | 18.58 | 18.53 | 18.51 | | | | |
| 3 | 64QAM | 8 | 4 | 18.73 | 18.89 | 18.61 | 19 | 1 | | |
| 3 | 64QAM | 8 | 7 | 18.59 | 18.87 | 18.77 | | | | |
| 3 | 64QAM | 15 | 0 | 18.54 | 18.73 | 18.62 | | | | |
| 3 | 256QAM | 1 | 0 | 16.20 | 16.27 | 16.21 | 17 | 3 | | |
| 3 | 256QAM | 1 | 8 | 16.15 | 16.11 | 16.15 | | | | |
| 3 | 256QAM | 1 | 14 | 16.16 | 16.09 | 16.16 | | | | |
| 3 | 256QAM | 8 | 0 | 16.11 | 16.14 | 16.24 | 17 | 3 | | |
| 3 | 256QAM | 8 | 4 | 16.29 | 16.09 | 16.15 | | | | |
| 3 | 256QAM | 8 | 7 | 16.03 | 16.19 | 16.18 | | | | |
| 3 | 256QAM | 15 | 0 | 16.19 | 16.11 | 16.06 | 17 | 3 | | |
| Channel | | | | 26047 | 26340 | 26683 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1914.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 18.72 | 18.87 | 18.91 | 20 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 18.86 | 18.73 | 18.82 | | | | |
| 1.4 | QPSK | 1 | 5 | 18.72 | 18.77 | 18.78 | | | | |
| 1.4 | QPSK | 3 | 0 | 18.96 | 18.83 | 18.68 | 20 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 18.79 | 18.88 | 18.84 | | | | |
| 1.4 | QPSK | 3 | 3 | 18.92 | 18.98 | 18.75 | | | | |
| 1.4 | QPSK | 6 | 0 | 18.98 | 19.07 | 18.91 | 20 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 18.81 | 18.53 | 18.90 | 20 | 0 | | |
| 1.4 | 16QAM | 1 | 3 | 18.74 | 19.01 | 18.94 | | | | |
| 1.4 | 16QAM | 1 | 5 | 18.77 | 18.72 | 18.94 | | | | |
| 1.4 | 16QAM | 3 | 0 | 18.73 | 19.04 | 19.06 | 20 | 0 | | |
| 1.4 | 16QAM | 3 | 1 | 18.88 | 18.65 | 18.73 | | | | |
| 1.4 | 16QAM | 3 | 3 | 18.81 | 18.89 | 18.84 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM | 6 | 0 | 18.62 | 18.81 | 18.89 | 20 | 0 |
| 1.4 | 64QAM | 1 | 0 | 18.63 | 19.00 | 18.72 | 20 | 0 |
| 1.4 | 64QAM | 1 | 3 | 18.63 | 18.87 | 18.84 | | |
| 1.4 | 64QAM | 1 | 5 | 18.80 | 18.64 | 18.78 | | |
| 1.4 | 64QAM | 3 | 0 | 18.53 | 18.55 | 18.55 | | |
| 1.4 | 64QAM | 3 | 1 | 18.57 | 18.71 | 18.42 | | |
| 1.4 | 64QAM | 3 | 3 | 18.56 | 18.67 | 18.60 | | |
| 1.4 | 64QAM | 6 | 0 | 18.46 | 18.78 | 18.65 | 19 | 1 |
| 1.4 | 256QAM | 1 | 0 | 16.18 | 16.16 | 16.16 | 17 | 3 |
| 1.4 | 256QAM | 1 | 3 | 16.09 | 16.13 | 16.18 | | |
| 1.4 | 256QAM | 1 | 5 | 16.07 | 16.13 | 16.07 | | |
| 1.4 | 256QAM | 3 | 0 | 16.22 | 16.02 | 16.25 | | |
| 1.4 | 256QAM | 3 | 1 | 16.11 | 16.18 | 16.25 | | |
| 1.4 | 256QAM | 3 | 3 | 16.07 | 16.24 | 16.07 | | |
| 1.4 | 256QAM | 6 | 0 | 16.13 | 16.16 | 16.07 | 17 | 3 |



<LTE Band 30>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 27710 | | | | |
| Frequency (MHz) | | | | 2310 | | | | |
| 10 | QPSK | 1 | 0 | | 20.30 | | 20.8 | 0 |
| 10 | QPSK | 1 | 25 | | 20.25 | | | |
| 10 | QPSK | 1 | 49 | | 20.20 | | | |
| 10 | QPSK | 25 | 0 | | 20.23 | | 20.8 | 0 |
| 10 | QPSK | 25 | 12 | | 20.31 | | | |
| 10 | QPSK | 25 | 25 | | 20.21 | | | |
| 10 | QPSK | 50 | 0 | | 20.23 | | 20.8 | 0 |
| 10 | 16QAM | 1 | 0 | | 20.63 | | | |
| 10 | 16QAM | 1 | 25 | | 20.65 | | | |
| 10 | 16QAM | 1 | 49 | | 20.57 | | 19.8 | 1 |
| 10 | 16QAM | 25 | 0 | | 19.25 | | | |
| 10 | 16QAM | 25 | 12 | | 19.33 | | | |
| 10 | 16QAM | 25 | 25 | | 19.22 | | 19.8 | 1 |
| 10 | 16QAM | 50 | 0 | | 19.25 | | | |
| 10 | 64QAM | 1 | 0 | | 19.51 | | | |
| 10 | 64QAM | 1 | 25 | | 19.57 | | 19.8 | 1 |
| 10 | 64QAM | 1 | 49 | | 19.45 | | | |
| 10 | 64QAM | 25 | 0 | | 18.28 | | | |
| 10 | 64QAM | 25 | 12 | | 18.38 | | 18.8 | 2 |
| 10 | 64QAM | 25 | 25 | | 18.26 | | | |
| 10 | 64QAM | 50 | 0 | | 18.30 | | | |
| 10 | 256QAM | 1 | 0 | | 16.01 | | 16.8 | 1 |
| 10 | 256QAM | 1 | 25 | | 16.00 | | | |
| 10 | 256QAM | 1 | 49 | | 16.00 | | | |
| 10 | 256QAM | 25 | 0 | | 15.98 | | 16.8 | 2 |
| 10 | 256QAM | 25 | 12 | | 16.00 | | | |
| 10 | 256QAM | 25 | 25 | | 15.95 | | | |
| 10 | 256QAM | 50 | 0 | | 15.99 | | | |
| Channel | | | | 27685 | 27710 | 27735 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | | |
| 5 | QPSK | 1 | 0 | 20.25 | 20.18 | 20.30 | 20.8 | 0 |
| 5 | QPSK | 1 | 12 | 20.32 | 20.35 | 20.36 | | |
| 5 | QPSK | 1 | 24 | 20.26 | 20.17 | 20.21 | | |
| 5 | QPSK | 12 | 0 | 20.36 | 20.32 | 20.36 | 20.8 | 0 |
| 5 | QPSK | 12 | 7 | 20.44 | 20.38 | 20.38 | | |
| 5 | QPSK | 12 | 13 | 20.38 | 20.35 | 20.36 | | |
| 5 | QPSK | 25 | 0 | 20.40 | 20.33 | 20.36 | 20.8 | 0 |
| 5 | 16QAM | 1 | 0 | 20.56 | 20.52 | 20.60 | | |
| 5 | 16QAM | 1 | 12 | 20.63 | 20.32 | 20.64 | | |
| 5 | 16QAM | 1 | 24 | 20.56 | 20.50 | 20.54 | 19.8 | 1 |
| 5 | 16QAM | 12 | 0 | 19.42 | 19.38 | 19.41 | | |
| 5 | 16QAM | 12 | 7 | 19.47 | 19.39 | 19.44 | | |
| 5 | 16QAM | 12 | 13 | 19.41 | 19.39 | 19.35 | 19.8 | 1 |
| 5 | 16QAM | 25 | 0 | 19.41 | 19.33 | 19.38 | | |
| 5 | 64QAM | 1 | 0 | 19.52 | 19.45 | 19.54 | | |
| 5 | 64QAM | 1 | 12 | 19.53 | 19.57 | 19.56 | 19.8 | 1 |
| 5 | 64QAM | 1 | 24 | 19.50 | 19.44 | 19.51 | | |
| 5 | 64QAM | 12 | 0 | 18.42 | 18.38 | 18.42 | | |
| 5 | 64QAM | 12 | 7 | 18.49 | 18.48 | 18.47 | 18.8 | 2 |
| 5 | 64QAM | 12 | 13 | 18.43 | 18.41 | 18.45 | | |
| 5 | 64QAM | 25 | 0 | 18.40 | 18.37 | 18.36 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 15.91 | 15.99 | 15.97 | 16.8 | 1 |
| 5 | 256QAM | 1 | 12 | 15.97 | 15.96 | 15.98 | | |
| 5 | 256QAM | 1 | 24 | 15.93 | 15.94 | 15.94 | | |
| 5 | 256QAM | 12 | 0 | 15.95 | 15.90 | 15.96 | 16.8 | 2 |
| 5 | 256QAM | 12 | 7 | 15.90 | 15.91 | 15.91 | | |
| 5 | 256QAM | 12 | 13 | 15.86 | 15.85 | 15.88 | | |
| 5 | 256QAM | 25 | 0 | 15.91 | 15.95 | 15.93 | | |



LAT Reduced Power Mode for Sensor On

<LTE Band 2>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 18.13 | 18.18 | 18.17 | 18.8 | 0 |
| 20 | QPSK | 1 | 49 | 17.98 | 18.06 | 18.10 | | |
| 20 | QPSK | 1 | 99 | 17.92 | 18.04 | 18.07 | | |
| 20 | QPSK | 50 | 0 | 17.98 | 18.03 | 18.10 | 18.8 | 0 |
| 20 | QPSK | 50 | 24 | 18.14 | 18.17 | 18.15 | | |
| 20 | QPSK | 50 | 50 | 18.11 | 18.13 | 18.14 | | |
| 20 | QPSK | 100 | 0 | 18.05 | 18.13 | 18.10 | 18.8 | 0 |
| 20 | 16QAM | 1 | 0 | 18.12 | 18.10 | 18.12 | | |
| 20 | 16QAM | 1 | 49 | 18.17 | 18.16 | 18.14 | | |
| 20 | 16QAM | 1 | 99 | 18.05 | 18.05 | 18.14 | 18.8 | 0 |
| 20 | 16QAM | 50 | 0 | 17.99 | 18.08 | 18.10 | | |
| 20 | 16QAM | 50 | 24 | 18.11 | 18.13 | 18.08 | | |
| 20 | 16QAM | 50 | 50 | 18.06 | 18.17 | 18.08 | 18.8 | 0 |
| 20 | 16QAM | 100 | 0 | 18.06 | 18.08 | 18.12 | | |
| 20 | 64QAM | 1 | 0 | 18.10 | 18.17 | 18.13 | | |
| 20 | 64QAM | 1 | 49 | 18.02 | 18.15 | 18.07 | 18.8 | 0 |
| 20 | 64QAM | 1 | 99 | 17.88 | 18.09 | 18.10 | | |
| 20 | 64QAM | 50 | 0 | 17.98 | 18.04 | 18.09 | | |
| 20 | 64QAM | 50 | 24 | 18.12 | 18.14 | 18.14 | 18.8 | 0 |
| 20 | 64QAM | 50 | 50 | 18.06 | 18.14 | 18.09 | | |
| 20 | 64QAM | 100 | 0 | 18.05 | 18.09 | 18.10 | | |
| 20 | 256QAM | 1 | 0 | 17.95 | 18.04 | 18.03 | 18.8 | 0 |
| 20 | 256QAM | 1 | 49 | 17.86 | 17.87 | 17.98 | | |
| 20 | 256QAM | 1 | 99 | 17.76 | 17.86 | 18.01 | | |
| 20 | 256QAM | 50 | 0 | 17.94 | 18.01 | 18.03 | 18.8 | 0 |
| 20 | 256QAM | 50 | 24 | 17.98 | 18.07 | 18.01 | | |
| 20 | 256QAM | 50 | 50 | 18.00 | 17.95 | 18.01 | | |
| 20 | 256QAM | 100 | 0 | 18.00 | 17.93 | 17.93 | | |
| Channel | | | | 18675 | 18900 | 19125 | | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 17.87 | 18.10 | 18.13 | 18.8 | 0 |
| 15 | QPSK | 1 | 37 | 17.98 | 18.08 | 18.10 | | |
| 15 | QPSK | 1 | 74 | 17.88 | 18.04 | 18.10 | | |
| 15 | QPSK | 36 | 0 | 17.76 | 17.90 | 17.89 | 18.8 | 0 |
| 15 | QPSK | 36 | 20 | 17.95 | 17.96 | 17.96 | | |
| 15 | QPSK | 36 | 39 | 17.90 | 18.02 | 18.03 | | |
| 15 | QPSK | 75 | 0 | 17.87 | 17.94 | 17.94 | 18.8 | 0 |
| 15 | 16QAM | 1 | 0 | 17.97 | 17.92 | 18.05 | | |
| 15 | 16QAM | 1 | 37 | 18.12 | 18.10 | 18.10 | | |
| 15 | 16QAM | 1 | 74 | 17.94 | 17.99 | 18.08 | 18.8 | 0 |
| 15 | 16QAM | 36 | 0 | 17.78 | 17.90 | 17.92 | | |
| 15 | 16QAM | 36 | 20 | 17.94 | 17.98 | 17.96 | | |
| 15 | 16QAM | 36 | 39 | 17.94 | 18.05 | 18.05 | 18.8 | 0 |
| 15 | 16QAM | 75 | 0 | 17.91 | 17.92 | 17.95 | | |
| 15 | 64QAM | 1 | 0 | 17.88 | 18.12 | 18.08 | | |
| 15 | 64QAM | 1 | 37 | 18.06 | 18.14 | 18.07 | 18.8 | 0 |
| 15 | 64QAM | 1 | 74 | 17.91 | 17.91 | 18.14 | | |
| 15 | 64QAM | 36 | 0 | 17.81 | 17.92 | 17.92 | | |
| 15 | 64QAM | 36 | 20 | 17.91 | 17.97 | 17.99 | 18.8 | 0 |
| 15 | 64QAM | 36 | 39 | 17.89 | 18.01 | 18.04 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 64QAM | 75 | 0 | 17.92 | 17.94 | 17.94 | | |
| 15 | 256QAM | 1 | 0 | 17.86 | 18.02 | 17.95 | 18.8 | 0 |
| 15 | 256QAM | 1 | 37 | 17.79 | 17.83 | 17.89 | | |
| 15 | 256QAM | 1 | 74 | 17.71 | 17.76 | 17.95 | | |
| 15 | 256QAM | 36 | 0 | 17.92 | 17.96 | 17.97 | 18.8 | 0 |
| 15 | 256QAM | 36 | 20 | 17.93 | 17.97 | 17.94 | | |
| 15 | 256QAM | 36 | 39 | 17.95 | 17.85 | 17.98 | | |
| 15 | 256QAM | 75 | 0 | 17.93 | 17.86 | 17.91 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 17.49 | 17.59 | 17.97 | 18.8 | 0 |
| 10 | QPSK | 1 | 25 | 17.83 | 17.92 | 17.96 | | |
| 10 | QPSK | 1 | 49 | 17.58 | 17.69 | 17.94 | | |
| 10 | QPSK | 25 | 0 | 17.82 | 17.92 | 17.93 | 18.8 | 0 |
| 10 | QPSK | 25 | 12 | 17.96 | 18.02 | 18.11 | | |
| 10 | QPSK | 25 | 25 | 17.82 | 17.97 | 17.97 | | |
| 10 | QPSK | 50 | 0 | 17.86 | 17.90 | 17.98 | | |
| 10 | 16QAM | 1 | 0 | 17.87 | 18.03 | 18.02 | 18.8 | 0 |
| 10 | 16QAM | 1 | 25 | 18.04 | 18.15 | 18.13 | | |
| 10 | 16QAM | 1 | 49 | 17.75 | 17.88 | 18.10 | | |
| 10 | 16QAM | 25 | 0 | 17.80 | 17.91 | 17.95 | 18.8 | 0 |
| 10 | 16QAM | 25 | 12 | 17.97 | 17.99 | 18.11 | | |
| 10 | 16QAM | 25 | 25 | 17.84 | 17.97 | 18.02 | | |
| 10 | 16QAM | 50 | 0 | 17.91 | 17.92 | 18.02 | | |
| 10 | 64QAM | 1 | 0 | 17.91 | 17.96 | 18.03 | 18.8 | 0 |
| 10 | 64QAM | 1 | 25 | 18.05 | 18.00 | 17.99 | | |
| 10 | 64QAM | 1 | 49 | 17.73 | 17.94 | 18.15 | | |
| 10 | 64QAM | 25 | 0 | 17.83 | 17.96 | 17.90 | 18.8 | 0 |
| 10 | 64QAM | 25 | 12 | 17.80 | 17.85 | 17.93 | | |
| 10 | 64QAM | 25 | 25 | 17.83 | 17.97 | 17.98 | | |
| 10 | 64QAM | 50 | 0 | 17.87 | 17.92 | 18.04 | | |
| 10 | 256QAM | 1 | 0 | 17.76 | 17.97 | 17.93 | 18.8 | 0 |
| 10 | 256QAM | 1 | 25 | 17.78 | 17.76 | 17.84 | | |
| 10 | 256QAM | 1 | 49 | 17.62 | 17.69 | 17.92 | | |
| 10 | 256QAM | 25 | 0 | 17.88 | 17.90 | 17.88 | 18.8 | 0 |
| 10 | 256QAM | 25 | 12 | 17.84 | 17.97 | 17.89 | | |
| 10 | 256QAM | 25 | 25 | 17.89 | 17.77 | 17.88 | | |
| 10 | 256QAM | 50 | 0 | 17.83 | 17.79 | 17.88 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 17.83 | 17.90 | 17.92 | 18.8 | 0 |
| 5 | QPSK | 1 | 12 | 17.87 | 18.00 | 18.04 | | |
| 5 | QPSK | 1 | 24 | 17.74 | 17.87 | 17.90 | | |
| 5 | QPSK | 12 | 0 | 17.96 | 18.03 | 18.07 | 18.8 | 0 |
| 5 | QPSK | 12 | 7 | 18.00 | 18.03 | 18.09 | | |
| 5 | QPSK | 12 | 13 | 17.89 | 18.01 | 18.07 | | |
| 5 | QPSK | 25 | 0 | 17.91 | 17.97 | 17.99 | | |
| 5 | 16QAM | 1 | 0 | 17.97 | 18.00 | 18.13 | 18.8 | 0 |
| 5 | 16QAM | 1 | 12 | 18.01 | 18.12 | 18.09 | | |
| 5 | 16QAM | 1 | 24 | 17.89 | 18.03 | 18.05 | | |
| 5 | 16QAM | 12 | 0 | 18.00 | 18.09 | 18.10 | 18.8 | 0 |
| 5 | 16QAM | 12 | 7 | 17.98 | 18.07 | 18.08 | | |
| 5 | 16QAM | 12 | 13 | 17.93 | 18.01 | 18.09 | | |
| 5 | 16QAM | 25 | 0 | 17.95 | 18.05 | 18.07 | | |
| 5 | 64QAM | 1 | 0 | 17.91 | 17.93 | 18.03 | 18.8 | 0 |
| 5 | 64QAM | 1 | 12 | 17.99 | 18.01 | 18.07 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 5 | 64QAM | 1 | 24 | 17.81 | 17.89 | 18.01 | | |
| 5 | 64QAM | 12 | 0 | 17.99 | 18.05 | 18.07 | 18.8 | 0 |
| 5 | 64QAM | 12 | 7 | 17.98 | 18.08 | 18.11 | | |
| 5 | 64QAM | 12 | 13 | 17.93 | 18.03 | 18.03 | | |
| 5 | 64QAM | 25 | 0 | 17.96 | 18.04 | 18.05 | | |
| 5 | 256QAM | 1 | 0 | 17.67 | 17.95 | 17.83 | 18.8 | 0 |
| 5 | 256QAM | 1 | 12 | 17.76 | 17.72 | 17.77 | | |
| 5 | 256QAM | 1 | 24 | 17.61 | 17.67 | 17.87 | | |
| 5 | 256QAM | 12 | 0 | 17.79 | 17.85 | 17.83 | 18.8 | 0 |
| 5 | 256QAM | 12 | 7 | 17.75 | 17.89 | 17.80 | | |
| 5 | 256QAM | 12 | 13 | 17.84 | 17.68 | 17.84 | | |
| 5 | 256QAM | 25 | 0 | 17.75 | 17.73 | 17.88 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 17.92 | 17.96 | 18.02 | 18.8 | 0 |
| 3 | QPSK | 1 | 8 | 17.92 | 18.05 | 18.04 | | |
| 3 | QPSK | 1 | 14 | 17.77 | 17.94 | 17.93 | | |
| 3 | QPSK | 8 | 0 | 17.95 | 18.04 | 18.16 | 18.8 | 0 |
| 3 | QPSK | 8 | 4 | 17.98 | 18.04 | 18.12 | | |
| 3 | QPSK | 8 | 7 | 17.89 | 18.06 | 18.07 | | |
| 3 | QPSK | 15 | 0 | 17.95 | 18.02 | 18.06 | | |
| 3 | 16QAM | 1 | 0 | 18.01 | 18.06 | 18.12 | 18.8 | 0 |
| 3 | 16QAM | 1 | 8 | 18.07 | 18.09 | 18.06 | | |
| 3 | 16QAM | 1 | 14 | 17.91 | 18.07 | 18.10 | | |
| 3 | 16QAM | 8 | 0 | 17.86 | 17.88 | 17.98 | 18.8 | 0 |
| 3 | 16QAM | 8 | 4 | 17.82 | 17.92 | 18.01 | | |
| 3 | 16QAM | 8 | 7 | 17.75 | 17.91 | 17.91 | | |
| 3 | 16QAM | 15 | 0 | 17.78 | 17.85 | 17.95 | | |
| 3 | 64QAM | 1 | 0 | 17.95 | 18.04 | 18.09 | 18.8 | 0 |
| 3 | 64QAM | 1 | 8 | 18.01 | 18.14 | 18.06 | | |
| 3 | 64QAM | 1 | 14 | 17.90 | 18.00 | 18.02 | | |
| 3 | 64QAM | 8 | 0 | 17.85 | 17.95 | 18.01 | 18.8 | 0 |
| 3 | 64QAM | 8 | 4 | 17.87 | 17.97 | 18.02 | | |
| 3 | 64QAM | 8 | 7 | 17.80 | 17.92 | 17.93 | | |
| 3 | 64QAM | 15 | 0 | 17.80 | 17.87 | 17.92 | | |
| 3 | 256QAM | 1 | 0 | 17.67 | 17.85 | 17.73 | 18.8 | 0 |
| 3 | 256QAM | 1 | 8 | 17.74 | 17.71 | 17.75 | | |
| 3 | 256QAM | 1 | 14 | 17.60 | 17.61 | 17.78 | | |
| 3 | 256QAM | 8 | 0 | 17.71 | 17.84 | 17.75 | 18.8 | 0 |
| 3 | 256QAM | 8 | 4 | 17.67 | 17.80 | 17.77 | | |
| 3 | 256QAM | 8 | 7 | 17.84 | 17.68 | 17.84 | | |
| 3 | 256QAM | 15 | 0 | 17.75 | 17.68 | 17.88 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 17.80 | 17.82 | 17.94 | 18.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 17.83 | 17.91 | 17.97 | | |
| 1.4 | QPSK | 1 | 5 | 17.75 | 17.87 | 17.91 | | |
| 1.4 | QPSK | 3 | 0 | 17.82 | 17.92 | 17.95 | | |
| 1.4 | QPSK | 3 | 1 | 17.86 | 17.91 | 17.96 | | |
| 1.4 | QPSK | 3 | 3 | 17.81 | 17.90 | 17.92 | | |
| 1.4 | QPSK | 6 | 0 | 17.87 | 18.00 | 18.03 | 18.8 | 0 |
| 1.4 | 16QAM | 1 | 0 | 17.94 | 18.05 | 18.04 | 18.8 | 0 |
| 1.4 | 16QAM | 1 | 3 | 18.00 | 18.08 | 18.11 | | |
| 1.4 | 16QAM | 1 | 5 | 17.92 | 18.00 | 17.98 | | |
| 1.4 | 16QAM | 3 | 0 | 17.73 | 17.80 | 17.85 | | |
| 1.4 | 16QAM | 3 | 1 | 17.75 | 17.83 | 17.88 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 3 | 3 | 17.70 | 17.80 | 17.82 | | |
| 1.4 | 16QAM | 6 | 0 | 17.96 | 18.06 | 18.09 | 18.8 | 0 |
| 1.4 | 64QAM | 1 | 0 | 17.89 | 17.94 | 18.00 | 18.8 | 0 |
| 1.4 | 64QAM | 1 | 3 | 17.92 | 17.97 | 18.12 | | |
| 1.4 | 64QAM | 1 | 5 | 17.80 | 17.87 | 17.98 | | |
| 1.4 | 64QAM | 3 | 0 | 17.88 | 17.96 | 17.94 | | |
| 1.4 | 64QAM | 3 | 1 | 17.90 | 18.04 | 18.01 | | |
| 1.4 | 64QAM | 3 | 3 | 17.80 | 17.95 | 17.95 | | |
| 1.4 | 64QAM | 6 | 0 | 17.93 | 18.02 | 18.06 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.59 | 17.78 | 17.64 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.68 | 17.68 | 17.67 | | |
| 1.4 | 256QAM | 1 | 5 | 17.58 | 17.51 | 17.77 | | |
| 1.4 | 256QAM | 3 | 0 | 17.62 | 17.82 | 17.67 | | |
| 1.4 | 256QAM | 3 | 1 | 17.64 | 17.78 | 17.67 | | |
| 1.4 | 256QAM | 3 | 3 | 17.74 | 17.62 | 17.75 | | |
| 1.4 | 256QAM | 6 | 0 | 17.69 | 17.68 | 17.79 | 18.8 | 0 |



<LTE Band 4>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20050 | 20175 | 20300 | | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 18.91 | 19.03 | 19.02 | 19.8 | 0 |
| 20 | QPSK | 1 | 49 | 18.76 | 18.92 | 19.02 | | |
| 20 | QPSK | 1 | 99 | 18.67 | 18.69 | 18.68 | | |
| 20 | QPSK | 50 | 0 | 18.78 | 18.95 | 18.94 | 19.8 | 0 |
| 20 | QPSK | 50 | 24 | 18.95 | 19.01 | 19.00 | | |
| 20 | QPSK | 50 | 50 | 18.84 | 18.98 | 18.97 | | |
| 20 | QPSK | 100 | 0 | 18.89 | 18.98 | 18.94 | 19.8 | 0 |
| 20 | 16QAM | 1 | 0 | 18.72 | 18.84 | 18.96 | | |
| 20 | 16QAM | 1 | 49 | 18.97 | 18.90 | 18.93 | | |
| 20 | 16QAM | 1 | 99 | 18.79 | 18.83 | 18.89 | 19.8 | 0 |
| 20 | 16QAM | 50 | 0 | 18.69 | 18.84 | 18.89 | | |
| 20 | 16QAM | 50 | 24 | 18.85 | 18.95 | 18.91 | | |
| 20 | 16QAM | 50 | 50 | 18.79 | 18.88 | 18.89 | 19.8 | 0 |
| 20 | 16QAM | 100 | 0 | 18.77 | 18.81 | 18.90 | | |
| 20 | 64QAM | 1 | 0 | 18.79 | 18.70 | 18.77 | | |
| 20 | 64QAM | 1 | 49 | 18.95 | 18.92 | 18.96 | 19.8 | 0 |
| 20 | 64QAM | 1 | 99 | 18.84 | 18.71 | 18.70 | | |
| 20 | 64QAM | 50 | 0 | 18.74 | 18.88 | 18.88 | | |
| 20 | 64QAM | 50 | 24 | 18.92 | 18.95 | 18.93 | 19.8 | 0 |
| 20 | 64QAM | 50 | 50 | 18.81 | 18.92 | 18.89 | | |
| 20 | 64QAM | 100 | 0 | 18.82 | 18.85 | 18.93 | | |
| 20 | 256QAM | 1 | 0 | 17.71 | 17.83 | 17.82 | 18.8 | 0 |
| 20 | 256QAM | 1 | 49 | 17.56 | 17.72 | 17.82 | | |
| 20 | 256QAM | 1 | 99 | 17.47 | 17.49 | 17.48 | | |
| 20 | 256QAM | 50 | 0 | 17.58 | 17.75 | 17.74 | 18.8 | 0 |
| 20 | 256QAM | 50 | 24 | 17.75 | 17.81 | 17.80 | | |
| 20 | 256QAM | 50 | 50 | 17.64 | 17.78 | 17.77 | | |
| 20 | 256QAM | 100 | 0 | 17.69 | 17.78 | 17.74 | | |
| Channel | | | | 20025 | 20175 | 20325 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | |
| 15 | QPSK | 1 | 0 | 18.51 | 18.68 | 18.70 | 19.8 | 0 |
| 15 | QPSK | 1 | 37 | 18.68 | 18.80 | 18.84 | | |
| 15 | QPSK | 1 | 74 | 18.59 | 18.69 | 18.67 | | |
| 15 | QPSK | 36 | 0 | 18.66 | 18.83 | 18.83 | 19.8 | 0 |
| 15 | QPSK | 36 | 20 | 18.84 | 18.90 | 18.91 | | |
| 15 | QPSK | 36 | 39 | 18.76 | 18.90 | 18.90 | | |
| 15 | QPSK | 75 | 0 | 18.78 | 18.85 | 18.82 | 19.8 | 0 |
| 15 | 16QAM | 1 | 0 | 18.90 | 18.93 | 18.99 | | |
| 15 | 16QAM | 1 | 37 | 18.94 | 18.97 | 18.98 | | |
| 15 | 16QAM | 1 | 74 | 18.93 | 18.91 | 18.96 | 19.8 | 0 |
| 15 | 16QAM | 36 | 0 | 18.68 | 18.86 | 18.88 | | |
| 15 | 16QAM | 36 | 20 | 18.87 | 18.91 | 18.91 | | |
| 15 | 16QAM | 36 | 39 | 18.82 | 18.93 | 18.89 | 19.8 | 0 |
| 15 | 16QAM | 75 | 0 | 18.80 | 18.87 | 18.89 | | |
| 15 | 64QAM | 1 | 0 | 18.85 | 18.84 | 18.90 | | |
| 15 | 64QAM | 1 | 37 | 18.99 | 19.00 | 18.99 | 19.8 | 0 |
| 15 | 64QAM | 1 | 74 | 18.84 | 18.86 | 18.87 | | |
| 15 | 64QAM | 36 | 0 | 18.76 | 18.92 | 18.92 | | |
| 15 | 64QAM | 36 | 20 | 18.86 | 18.92 | 18.95 | 19.8 | 0 |
| 15 | 64QAM | 36 | 39 | 18.84 | 18.98 | 18.93 | | |
| 15 | 64QAM | 75 | 0 | 18.79 | 18.90 | 18.88 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 17.62 | 17.81 | 17.77 | 18.8 | 0 |
| 15 | 256QAM | 1 | 37 | 17.51 | 17.69 | 17.77 | | |
| 15 | 256QAM | 1 | 74 | 17.40 | 17.49 | 17.42 | | |
| 15 | 256QAM | 36 | 0 | 17.50 | 17.74 | 17.65 | 18.8 | 0 |
| 15 | 256QAM | 36 | 20 | 17.70 | 17.76 | 17.80 | | |
| 15 | 256QAM | 36 | 39 | 17.56 | 17.74 | 17.76 | | |
| 15 | 256QAM | 75 | 0 | 17.60 | 17.76 | 17.70 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 20000 | 20175 | 20350 | | |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 18.42 | 18.52 | 18.60 | 19.8 | 0 |
| 10 | QPSK | 1 | 25 | 18.71 | 18.88 | 18.85 | | |
| 10 | QPSK | 1 | 49 | 18.37 | 18.49 | 18.56 | | |
| 10 | QPSK | 25 | 0 | 18.48 | 18.65 | 18.66 | 19.8 | 0 |
| 10 | QPSK | 25 | 12 | 18.64 | 18.71 | 18.79 | | |
| 10 | QPSK | 25 | 25 | 18.50 | 18.65 | 18.68 | | |
| 10 | QPSK | 50 | 0 | 18.54 | 18.61 | 18.69 | 19.8 | 0 |
| 10 | 16QAM | 1 | 0 | 18.62 | 18.78 | 18.81 | | |
| 10 | 16QAM | 1 | 25 | 18.88 | 18.96 | 18.97 | | |
| 10 | 16QAM | 1 | 49 | 18.61 | 18.70 | 18.71 | 19.8 | 0 |
| 10 | 16QAM | 25 | 0 | 18.48 | 18.62 | 18.69 | | |
| 10 | 16QAM | 25 | 12 | 18.66 | 18.75 | 18.82 | | |
| 10 | 16QAM | 25 | 25 | 18.51 | 18.68 | 18.68 | 19.8 | 0 |
| 10 | 16QAM | 50 | 0 | 18.57 | 18.65 | 18.75 | | |
| 10 | 64QAM | 1 | 0 | 18.51 | 18.60 | 18.56 | | |
| 10 | 64QAM | 1 | 25 | 18.80 | 18.91 | 18.95 | 19.8 | 0 |
| 10 | 64QAM | 1 | 49 | 18.48 | 18.66 | 18.54 | | |
| 10 | 64QAM | 25 | 0 | 18.48 | 18.71 | 18.70 | | |
| 10 | 64QAM | 25 | 12 | 18.70 | 18.82 | 18.89 | 19.8 | 0 |
| 10 | 64QAM | 25 | 25 | 18.57 | 18.73 | 18.74 | | |
| 10 | 64QAM | 50 | 0 | 18.60 | 18.67 | 18.75 | | |
| 10 | 256QAM | 1 | 0 | 17.60 | 17.74 | 17.77 | 18.8 | 0 |
| 10 | 256QAM | 1 | 25 | 17.50 | 17.62 | 17.69 | | |
| 10 | 256QAM | 1 | 49 | 17.40 | 17.48 | 17.34 | | |
| 10 | 256QAM | 25 | 0 | 17.47 | 17.69 | 17.65 | 18.8 | 0 |
| 10 | 256QAM | 25 | 12 | 17.61 | 17.74 | 17.77 | | |
| 10 | 256QAM | 25 | 25 | 17.55 | 17.64 | 17.67 | | |
| 10 | 256QAM | 50 | 0 | 17.51 | 17.67 | 17.63 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 19975 | 20175 | 20375 | | |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 18.68 | 18.81 | 18.84 | 19.8 | 0 |
| 5 | QPSK | 1 | 12 | 18.74 | 18.88 | 18.92 | | |
| 5 | QPSK | 1 | 24 | 18.58 | 18.79 | 18.76 | | |
| 5 | QPSK | 12 | 0 | 18.62 | 18.79 | 18.75 | 19.8 | 0 |
| 5 | QPSK | 12 | 7 | 18.65 | 18.74 | 18.73 | | |
| 5 | QPSK | 12 | 13 | 18.54 | 18.72 | 18.74 | | |
| 5 | QPSK | 25 | 0 | 18.58 | 18.71 | 18.70 | 19.8 | 0 |
| 5 | 16QAM | 1 | 0 | 18.86 | 18.91 | 18.96 | | |
| 5 | 16QAM | 1 | 12 | 18.88 | 18.91 | 18.98 | | |
| 5 | 16QAM | 1 | 24 | 18.79 | 18.91 | 18.89 | 19.8 | 0 |
| 5 | 16QAM | 12 | 0 | 18.68 | 18.81 | 18.75 | | |
| 5 | 16QAM | 12 | 7 | 18.66 | 18.82 | 18.78 | | |
| 5 | 16QAM | 12 | 13 | 18.57 | 18.79 | 18.76 | 19.8 | 0 |
| 5 | 16QAM | 25 | 0 | 18.62 | 18.71 | 18.76 | | |
| 5 | 64QAM | 1 | 0 | 18.87 | 18.86 | 18.90 | | |
| 5 | 64QAM | 1 | 12 | 18.83 | 18.94 | 18.93 | 19.8 | 0 |
| 5 | 64QAM | 1 | 24 | 18.68 | 18.79 | 18.82 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|------|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 18.69 | 18.87 | 18.85 | 19.8 | 0 | | |
| 5 | 64QAM | 12 | 7 | 18.69 | 18.87 | 18.83 | | | | |
| 5 | 64QAM | 12 | 13 | 18.61 | 18.80 | 18.84 | | | | |
| 5 | 64QAM | 25 | 0 | 18.64 | 18.75 | 18.74 | 18.8 | 0 | | |
| 5 | 256QAM | 1 | 0 | 17.57 | 17.71 | 17.73 | | | | |
| 5 | 256QAM | 1 | 12 | 17.43 | 17.56 | 17.61 | | | | |
| 5 | 256QAM | 1 | 24 | 17.31 | 17.43 | 17.27 | 18.8 | 0 | | |
| 5 | 256QAM | 12 | 0 | 17.43 | 17.61 | 17.61 | | | | |
| 5 | 256QAM | 12 | 7 | 17.59 | 17.72 | 17.74 | | | | |
| 5 | 256QAM | 12 | 13 | 17.46 | 17.59 | 17.59 | 18.8 | 0 | | |
| 5 | 256QAM | 25 | 0 | 17.44 | 17.60 | 17.63 | | | | |
| Channel | | | | 19965 | 20175 | 20385 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | | | |
| 3 | QPSK | 1 | 0 | 18.57 | 18.71 | 18.74 | 19.8 | 0 | | |
| 3 | QPSK | 1 | 8 | 18.64 | 18.78 | 18.73 | | | | |
| 3 | QPSK | 1 | 14 | 18.49 | 18.68 | 18.62 | | | | |
| 3 | QPSK | 8 | 0 | 18.66 | 18.75 | 18.82 | 19.8 | 0 | | |
| 3 | QPSK | 8 | 4 | 18.63 | 18.74 | 18.82 | | | | |
| 3 | QPSK | 8 | 7 | 18.60 | 18.76 | 18.79 | | | | |
| 3 | QPSK | 15 | 0 | 18.64 | 18.69 | 18.76 | 19.8 | 0 | | |
| 3 | 16QAM | 1 | 0 | 18.95 | 18.93 | 18.99 | | | | |
| 3 | 16QAM | 1 | 8 | 18.97 | 18.92 | 18.95 | | | | |
| 3 | 16QAM | 1 | 14 | 18.83 | 19.00 | 18.92 | 19.8 | 0 | | |
| 3 | 16QAM | 8 | 0 | 18.74 | 18.85 | 18.88 | | | | |
| 3 | 16QAM | 8 | 4 | 18.75 | 18.82 | 18.89 | | | | |
| 3 | 16QAM | 8 | 7 | 18.65 | 18.80 | 18.82 | 19.8 | 0 | | |
| 3 | 16QAM | 15 | 0 | 18.64 | 18.81 | 18.81 | | | | |
| 3 | 64QAM | 1 | 0 | 18.85 | 19.00 | 18.95 | | | | |
| 3 | 64QAM | 1 | 8 | 18.90 | 18.92 | 18.96 | 19.8 | 0 | | |
| 3 | 64QAM | 1 | 14 | 18.81 | 18.97 | 18.90 | | | | |
| 3 | 64QAM | 8 | 0 | 18.72 | 18.85 | 18.89 | | | | |
| 3 | 64QAM | 8 | 4 | 18.74 | 18.83 | 18.91 | 19.8 | 0 | | |
| 3 | 64QAM | 8 | 7 | 18.70 | 18.85 | 18.83 | | | | |
| 3 | 64QAM | 15 | 0 | 18.69 | 18.76 | 18.84 | | | | |
| 3 | 256QAM | 1 | 0 | 17.51 | 17.65 | 17.70 | 18.8 | 0 | | |
| 3 | 256QAM | 1 | 8 | 17.37 | 17.55 | 17.57 | | | | |
| 3 | 256QAM | 1 | 14 | 17.25 | 17.34 | 17.20 | | | | |
| 3 | 256QAM | 8 | 0 | 17.33 | 17.55 | 17.56 | 18.8 | 0 | | |
| 3 | 256QAM | 8 | 4 | 17.51 | 17.72 | 17.73 | | | | |
| 3 | 256QAM | 8 | 7 | 17.44 | 17.57 | 17.52 | | | | |
| 3 | 256QAM | 15 | 0 | 17.39 | 17.51 | 17.62 | 18.8 | 0 | | |
| Channel | | | | 19957 | 20175 | 20393 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 18.65 | 18.79 | 18.78 | 19.8 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 18.69 | 18.87 | 18.85 | | | | |
| 1.4 | QPSK | 1 | 5 | 18.63 | 18.81 | 18.78 | | | | |
| 1.4 | QPSK | 3 | 0 | 18.72 | 18.76 | 18.83 | 19.8 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 18.73 | 18.87 | 18.83 | | | | |
| 1.4 | QPSK | 3 | 3 | 18.70 | 18.86 | 18.82 | | | | |
| 1.4 | QPSK | 6 | 0 | 18.75 | 18.87 | 18.91 | 19.8 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 18.84 | 18.91 | 18.95 | 19.8 | 0 | | |
| 1.4 | 16QAM | 1 | 3 | 18.85 | 18.84 | 18.99 | | | | |
| 1.4 | 16QAM | 1 | 5 | 18.78 | 18.93 | 18.91 | | | | |
| 1.4 | 16QAM | 3 | 0 | 18.59 | 18.71 | 18.76 | 19.8 | 0 | | |
| 1.4 | 16QAM | 3 | 1 | 18.65 | 18.78 | 18.80 | | | | |
| 1.4 | 16QAM | 3 | 3 | 18.57 | 18.71 | 18.74 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 18.61 | 18.74 | 18.84 | 19.8 | 0 |
| 1.4 | 64QAM | 1 | 0 | 18.71 | 18.87 | 18.97 | 19.8 | 0 |
| 1.4 | 64QAM | 1 | 3 | 18.79 | 18.96 | 18.97 | | |
| 1.4 | 64QAM | 1 | 5 | 18.72 | 18.85 | 18.92 | | |
| 1.4 | 64QAM | 3 | 0 | 18.72 | 18.78 | 18.85 | | |
| 1.4 | 64QAM | 3 | 1 | 18.75 | 18.91 | 18.87 | | |
| 1.4 | 64QAM | 3 | 3 | 18.70 | 18.85 | 18.83 | | |
| 1.4 | 64QAM | 6 | 0 | 18.58 | 18.67 | 18.73 | 19.8 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.47 | 17.61 | 17.68 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.31 | 17.47 | 17.55 | | |
| 1.4 | 256QAM | 1 | 5 | 17.20 | 17.25 | 17.11 | | |
| 1.4 | 256QAM | 3 | 0 | 17.25 | 17.55 | 17.48 | | |
| 1.4 | 256QAM | 3 | 1 | 17.44 | 17.72 | 17.67 | | |
| 1.4 | 256QAM | 3 | 3 | 17.41 | 17.52 | 17.51 | | |
| 1.4 | 256QAM | 6 | 0 | 17.38 | 17.45 | 17.62 | 18.8 | 0 |



<LTE Band 5>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------------------|----------|
| Channel | | | | 20450 | 20525 | 20600 | | | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | | | |
| 10 | QPSK | 1 | 0 | 22.89 | 22.91 | 22.91 | 23.8 | 0 | | |
| 10 | QPSK | 1 | 25 | 22.92 | 22.89 | 22.93 | | | | |
| 10 | QPSK | 1 | 49 | 22.97 | 22.84 | 22.95 | | | | |
| 10 | QPSK | 25 | 0 | 21.91 | 21.92 | 21.95 | 22.8 | 1 | | |
| 10 | QPSK | 25 | 12 | 21.99 | 21.91 | 21.96 | | | | |
| 10 | QPSK | 25 | 25 | 21.95 | 21.87 | 21.96 | | | | |
| 10 | QPSK | 50 | 0 | 21.92 | 21.84 | 21.90 | 22.8 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.25 | 21.90 | 21.89 | | | | |
| 10 | 16QAM | 1 | 25 | 22.11 | 22.01 | 21.87 | | | | |
| 10 | 16QAM | 1 | 49 | 22.17 | 22.05 | 22.39 | 21.8 | 2 | | |
| 10 | 16QAM | 25 | 0 | 20.93 | 20.97 | 20.93 | | | | |
| 10 | 16QAM | 25 | 12 | 21.02 | 20.82 | 20.95 | | | | |
| 10 | 16QAM | 25 | 25 | 20.95 | 20.97 | 20.96 | 21.8 | 2 | | |
| 10 | 16QAM | 50 | 0 | 20.92 | 20.76 | 20.82 | | | | |
| 10 | 64QAM | 1 | 0 | 21.01 | 20.99 | 20.93 | | | | |
| 10 | 64QAM | 1 | 25 | 21.03 | 21.04 | 20.97 | 21.8 | 2 | | |
| 10 | 64QAM | 1 | 49 | 20.70 | 20.96 | 20.95 | | | | |
| 10 | 64QAM | 25 | 0 | 19.76 | 19.78 | 19.83 | | | | |
| 10 | 64QAM | 25 | 12 | 19.84 | 19.82 | 19.86 | 20.8 | 3 | | |
| 10 | 64QAM | 25 | 25 | 19.80 | 19.85 | 19.84 | | | | |
| 10 | 64QAM | 50 | 0 | 19.76 | 19.75 | 19.72 | | | | |
| 10 | 256QAM | 1 | 0 | 21.01 | 20.99 | 20.93 | 20.8 | 2 | | |
| 10 | 256QAM | 1 | 25 | 21.03 | 21.04 | 20.97 | | | | |
| 10 | 256QAM | 1 | 49 | 20.70 | 20.96 | 20.95 | | | | |
| 10 | 256QAM | 25 | 0 | 19.76 | 19.78 | 19.83 | 19.8 | 3 | | |
| 10 | 256QAM | 25 | 12 | 19.84 | 19.82 | 19.86 | | | | |
| 10 | 256QAM | 25 | 25 | 19.80 | 19.85 | 19.84 | | | | |
| 10 | 256QAM | 50 | 0 | 19.76 | 19.75 | 19.72 | 19.8 | 3 | | |
| Channel | | | | 20425 | 20525 | 20625 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | | | |
| 5 | QPSK | 1 | 0 | 22.75 | 22.81 | 22.72 | 23.8 | 0 | | |
| 5 | QPSK | 1 | 12 | 22.93 | 22.87 | 22.93 | | | | |
| 5 | QPSK | 1 | 24 | 22.79 | 22.78 | 22.84 | | | | |
| 5 | QPSK | 12 | 0 | 21.94 | 21.87 | 21.87 | 22.8 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.02 | 21.96 | 21.86 | | | | |
| 5 | QPSK | 12 | 13 | 21.95 | 22.00 | 21.90 | | | | |
| 5 | QPSK | 25 | 0 | 21.97 | 21.96 | 21.88 | 22.8 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.10 | 21.92 | 22.03 | | | | |
| 5 | 16QAM | 1 | 12 | 22.09 | 21.95 | 21.91 | | | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.07 | 21.84 | 21.8 | 2 | | |
| 5 | 16QAM | 12 | 0 | 20.99 | 20.89 | 20.91 | | | | |
| 5 | 16QAM | 12 | 7 | 21.05 | 21.02 | 20.92 | | | | |
| 5 | 16QAM | 12 | 13 | 20.94 | 21.03 | 20.93 | 21.8 | 2 | | |
| 5 | 16QAM | 25 | 0 | 20.89 | 20.92 | 20.93 | | | | |
| 5 | 64QAM | 1 | 0 | 20.96 | 20.92 | 20.93 | | | | |
| 5 | 64QAM | 1 | 12 | 20.96 | 20.99 | 21.03 | 21.8 | 2 | | |
| 5 | 64QAM | 1 | 24 | 20.98 | 20.95 | 20.89 | | | | |
| 5 | 64QAM | 12 | 0 | 19.80 | 19.80 | 19.83 | | | | |
| 5 | 64QAM | 12 | 7 | 19.89 | 19.93 | 19.89 | 20.8 | 3 | | |
| 5 | 64QAM | 12 | 13 | 19.81 | 19.89 | 19.89 | | | | |
| 5 | 64QAM | 25 | 0 | 19.81 | 19.78 | 19.81 | | | | |



| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 20.96 | 20.92 | 20.93 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 20.96 | 20.99 | 21.03 | | |
| 5 | 256QAM | 1 | 24 | 20.98 | 20.95 | 20.89 | | |
| 5 | 256QAM | 12 | 0 | 19.80 | 19.80 | 19.83 | 19.8 | 3 |
| 5 | 256QAM | 12 | 7 | 19.89 | 19.93 | 19.89 | | |
| 5 | 256QAM | 12 | 13 | 19.81 | 19.89 | 19.89 | | |
| 5 | 256QAM | 25 | 0 | 19.81 | 19.78 | 19.81 | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.94 | 22.90 | 22.96 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.96 | 22.96 | 22.95 | | |
| 3 | QPSK | 1 | 14 | 22.93 | 22.95 | 22.78 | | |
| 3 | QPSK | 8 | 0 | 21.88 | 21.90 | 21.99 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 22.03 | 21.99 | 21.97 | | |
| 3 | QPSK | 8 | 7 | 21.90 | 21.95 | 21.98 | | |
| 3 | QPSK | 15 | 0 | 21.97 | 21.90 | 21.93 | | |
| 3 | 16QAM | 1 | 0 | 21.91 | 22.00 | 22.08 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 21.92 | 22.18 | 22.11 | | |
| 3 | 16QAM | 1 | 14 | 21.82 | 22.11 | 22.02 | | |
| 3 | 16QAM | 8 | 0 | 21.05 | 21.05 | 21.13 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 21.23 | 21.20 | 21.06 | | |
| 3 | 16QAM | 8 | 7 | 21.12 | 21.12 | 21.04 | | |
| 3 | 16QAM | 15 | 0 | 21.07 | 21.10 | 20.99 | | |
| 3 | 64QAM | 1 | 0 | 20.91 | 20.94 | 20.98 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.04 | 21.05 | 21.02 | | |
| 3 | 64QAM | 1 | 14 | 21.03 | 20.98 | 20.87 | | |
| 3 | 64QAM | 8 | 0 | 19.81 | 19.81 | 19.87 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.89 | 19.92 | 19.91 | | |
| 3 | 64QAM | 8 | 7 | 19.84 | 19.86 | 19.87 | | |
| 3 | 64QAM | 15 | 0 | 19.84 | 19.78 | 19.86 | | |
| 3 | 256QAM | 1 | 0 | 20.91 | 20.94 | 20.98 | 20.8 | 2 |
| 3 | 256QAM | 1 | 8 | 21.04 | 21.05 | 21.02 | | |
| 3 | 256QAM | 1 | 14 | 21.03 | 20.98 | 20.87 | | |
| 3 | 256QAM | 8 | 0 | 19.81 | 19.81 | 19.87 | 19.8 | 3 |
| 3 | 256QAM | 8 | 4 | 19.89 | 19.92 | 19.91 | | |
| 3 | 256QAM | 8 | 7 | 19.84 | 19.86 | 19.87 | | |
| 3 | 256QAM | 15 | 0 | 19.84 | 19.78 | 19.86 | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.80 | 22.74 | 22.75 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.86 | 22.94 | 22.82 | | |
| 1.4 | QPSK | 1 | 5 | 22.79 | 22.81 | 22.70 | | |
| 1.4 | QPSK | 3 | 0 | 22.80 | 22.66 | 22.74 | | |
| 1.4 | QPSK | 3 | 1 | 22.83 | 22.83 | 22.78 | | |
| 1.4 | QPSK | 3 | 3 | 22.82 | 22.81 | 22.71 | | |
| 1.4 | QPSK | 6 | 0 | 21.93 | 21.76 | 21.79 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.37 | 22.12 | 22.15 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.41 | 22.28 | 22.19 | | |
| 1.4 | 16QAM | 1 | 5 | 22.31 | 22.25 | 22.16 | | |
| 1.4 | 16QAM | 3 | 0 | 21.91 | 21.84 | 21.75 | | |
| 1.4 | 16QAM | 3 | 1 | 21.96 | 21.82 | 21.86 | 21.8 | 2 |
| 1.4 | 16QAM | 3 | 3 | 21.92 | 21.75 | 21.76 | | |
| 1.4 | 16QAM | 6 | 0 | 20.96 | 21.02 | 21.03 | | |
| 1.4 | 64QAM | 1 | 0 | 20.87 | 20.89 | 20.92 | | |
| 1.4 | 64QAM | 1 | 3 | 20.99 | 21.01 | 21.01 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 5 | 20.87 | 20.96 | 20.89 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 20.88 | 20.82 | 20.86 | | |
| 1.4 | 64QAM | 3 | 1 | 20.91 | 20.90 | 20.93 | | |
| 1.4 | 64QAM | 3 | 3 | 20.88 | 20.88 | 20.90 | | |
| 1.4 | 64QAM | 6 | 0 | 19.70 | 19.70 | 19.77 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 20.87 | 20.89 | 20.92 | 22.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 20.99 | 21.01 | 21.01 | | |
| 1.4 | 256QAM | 1 | 5 | 20.87 | 20.96 | 20.89 | | |
| 1.4 | 256QAM | 3 | 0 | 20.88 | 20.82 | 20.86 | | |
| 1.4 | 256QAM | 3 | 1 | 20.91 | 20.90 | 20.93 | | |
| 1.4 | 256QAM | 3 | 3 | 20.88 | 20.88 | 20.90 | | |
| 1.4 | 256QAM | 6 | 0 | 19.70 | 19.70 | 19.77 | 22.8 | 0 |



<LTE Band 7>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 18.50 | 18.38 | 18.33 | 18.8 | 0 |
| 20 | QPSK | 1 | 49 | 18.48 | 18.44 | 18.38 | | |
| 20 | QPSK | 1 | 99 | 18.49 | 18.46 | 18.29 | | |
| 20 | QPSK | 50 | 0 | 18.42 | 18.38 | 18.46 | 18.8 | 0 |
| 20 | QPSK | 50 | 24 | 18.47 | 18.42 | 18.45 | | |
| 20 | QPSK | 50 | 50 | 18.40 | 18.46 | 18.45 | | |
| 20 | QPSK | 100 | 0 | 18.43 | 18.36 | 18.38 | 18.8 | 0 |
| 20 | 16QAM | 1 | 0 | 18.35 | 18.36 | 18.39 | | |
| 20 | 16QAM | 1 | 49 | 18.34 | 18.35 | 18.40 | | |
| 20 | 16QAM | 1 | 99 | 18.30 | 18.35 | 18.37 | 18.8 | 0 |
| 20 | 16QAM | 50 | 0 | 18.25 | 18.29 | 18.13 | | |
| 20 | 16QAM | 50 | 24 | 18.36 | 18.30 | 18.21 | | |
| 20 | 16QAM | 50 | 50 | 18.37 | 18.28 | 18.15 | 18.8 | 0 |
| 20 | 16QAM | 100 | 0 | 18.27 | 18.18 | 18.10 | | |
| 20 | 64QAM | 1 | 0 | 18.29 | 18.33 | 18.25 | | |
| 20 | 64QAM | 1 | 49 | 18.38 | 18.33 | 18.30 | 18.8 | 0 |
| 20 | 64QAM | 1 | 99 | 18.33 | 18.27 | 18.29 | | |
| 20 | 64QAM | 50 | 0 | 18.31 | 18.32 | 18.21 | | |
| 20 | 64QAM | 50 | 24 | 18.35 | 18.36 | 18.22 | 18.8 | 0 |
| 20 | 64QAM | 50 | 50 | 18.37 | 18.29 | 18.18 | | |
| 20 | 64QAM | 100 | 0 | 18.28 | 18.22 | 18.11 | | |
| 20 | 256QAM | 1 | 0 | 18.30 | 18.20 | 18.18 | 18.8 | 0 |
| 20 | 256QAM | 1 | 49 | 18.40 | 18.37 | 18.36 | | |
| 20 | 256QAM | 1 | 99 | 18.29 | 18.39 | 18.11 | | |
| 20 | 256QAM | 50 | 0 | 18.37 | 18.30 | 18.41 | 18.8 | 0 |
| 20 | 256QAM | 50 | 24 | 18.28 | 18.36 | 18.35 | | |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.42 | 18.33 | | |
| 20 | 256QAM | 100 | 0 | 18.40 | 18.33 | 18.28 | | |
| Channel | | | | 20825 | 21100 | 21375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 18.45 | 18.44 | 18.33 | 18.8 | 0 |
| 15 | QPSK | 1 | 37 | 18.47 | 18.46 | 18.31 | | |
| 15 | QPSK | 1 | 74 | 18.42 | 18.48 | 18.34 | | |
| 15 | QPSK | 36 | 0 | 18.33 | 18.27 | 18.18 | 18.8 | 0 |
| 15 | QPSK | 36 | 20 | 18.36 | 18.30 | 18.16 | | |
| 15 | QPSK | 36 | 39 | 18.35 | 18.33 | 18.14 | | |
| 15 | QPSK | 75 | 0 | 18.28 | 18.22 | 18.12 | 18.8 | 0 |
| 15 | 16QAM | 1 | 0 | 18.41 | 18.38 | 18.32 | | |
| 15 | 16QAM | 1 | 37 | 18.38 | 18.36 | 18.35 | | |
| 15 | 16QAM | 1 | 74 | 18.27 | 18.33 | 18.30 | 18.8 | 0 |
| 15 | 16QAM | 36 | 0 | 18.34 | 18.29 | 18.19 | | |
| 15 | 16QAM | 36 | 20 | 18.33 | 18.30 | 18.19 | | |
| 15 | 16QAM | 36 | 39 | 18.35 | 18.37 | 18.15 | 18.8 | 0 |
| 15 | 16QAM | 75 | 0 | 18.33 | 18.24 | 18.12 | | |
| 15 | 64QAM | 1 | 0 | 18.38 | 18.39 | 18.27 | | |
| 15 | 64QAM | 1 | 37 | 18.33 | 18.31 | 18.26 | 18.8 | 0 |
| 15 | 64QAM | 1 | 74 | 18.33 | 18.39 | 18.22 | | |
| 15 | 64QAM | 36 | 0 | 18.39 | 18.34 | 18.24 | | |
| 15 | 64QAM | 36 | 20 | 18.39 | 18.36 | 18.25 | 18.8 | 0 |
| 15 | 64QAM | 36 | 39 | 18.32 | 18.39 | 18.24 | | |
| 15 | 64QAM | 75 | 0 | 18.32 | 18.24 | 18.15 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 18.25 | 18.20 | 18.14 | 18.8 | 0 |
| 15 | 256QAM | 1 | 37 | 18.38 | 18.28 | 18.31 | | |
| 15 | 256QAM | 1 | 74 | 18.23 | 18.32 | 18.11 | | |
| 15 | 256QAM | 36 | 0 | 18.34 | 18.30 | 18.36 | 18.8 | 0 |
| 15 | 256QAM | 36 | 20 | 18.25 | 18.26 | 18.32 | | |
| 15 | 256QAM | 36 | 39 | 18.18 | 18.38 | 18.26 | | |
| 15 | 256QAM | 75 | 0 | 18.37 | 18.32 | 18.25 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 18.25 | 18.29 | 18.11 | 18.8 | 0 |
| 10 | QPSK | 1 | 25 | 18.29 | 18.31 | 18.09 | | |
| 10 | QPSK | 1 | 49 | 18.33 | 18.31 | 18.12 | | |
| 10 | QPSK | 25 | 0 | 18.12 | 18.07 | 17.93 | 18.8 | 0 |
| 10 | QPSK | 25 | 12 | 18.14 | 18.08 | 17.95 | | |
| 10 | QPSK | 25 | 25 | 18.10 | 18.12 | 17.92 | | |
| 10 | QPSK | 50 | 0 | 18.07 | 17.98 | 17.86 | | |
| 10 | 16QAM | 1 | 0 | 18.39 | 18.37 | 18.22 | 18.8 | 0 |
| 10 | 16QAM | 1 | 25 | 18.42 | 18.40 | 18.20 | | |
| 10 | 16QAM | 1 | 49 | 18.41 | 18.37 | 18.20 | | |
| 10 | 16QAM | 25 | 0 | 18.13 | 18.10 | 17.92 | 18.8 | 0 |
| 10 | 16QAM | 25 | 12 | 18.14 | 18.09 | 17.93 | | |
| 10 | 16QAM | 25 | 25 | 18.17 | 18.12 | 17.93 | | |
| 10 | 16QAM | 50 | 0 | 18.09 | 17.99 | 17.85 | | |
| 10 | 64QAM | 1 | 0 | 18.24 | 18.27 | 18.05 | 18.8 | 0 |
| 10 | 64QAM | 1 | 25 | 18.33 | 18.39 | 18.06 | | |
| 10 | 64QAM | 1 | 49 | 18.31 | 18.32 | 18.03 | | |
| 10 | 64QAM | 25 | 0 | 18.14 | 18.09 | 17.97 | 18.8 | 0 |
| 10 | 64QAM | 25 | 12 | 18.16 | 18.14 | 17.99 | | |
| 10 | 64QAM | 25 | 25 | 18.19 | 18.18 | 17.98 | | |
| 10 | 64QAM | 50 | 0 | 18.09 | 18.03 | 17.88 | | |
| 10 | 256QAM | 1 | 0 | 18.17 | 18.15 | 18.14 | 18.8 | 0 |
| 10 | 256QAM | 1 | 25 | 18.35 | 18.26 | 18.31 | | |
| 10 | 256QAM | 1 | 49 | 18.21 | 18.23 | 18.01 | | |
| 10 | 256QAM | 25 | 0 | 18.24 | 18.20 | 18.32 | 18.8 | 0 |
| 10 | 256QAM | 25 | 12 | 18.17 | 18.25 | 18.29 | | |
| 10 | 256QAM | 25 | 25 | 18.10 | 18.33 | 18.25 | | |
| 10 | 256QAM | 50 | 0 | 18.28 | 18.28 | 18.19 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 18.34 | 18.27 | 18.13 | 18.8 | 0 |
| 5 | QPSK | 1 | 12 | 18.35 | 18.39 | 18.12 | | |
| 5 | QPSK | 1 | 24 | 18.34 | 18.40 | 18.12 | | |
| 5 | QPSK | 12 | 0 | 18.08 | 18.07 | 17.87 | 18.8 | 0 |
| 5 | QPSK | 12 | 7 | 18.17 | 18.11 | 17.90 | | |
| 5 | QPSK | 12 | 13 | 18.13 | 18.12 | 17.89 | | |
| 5 | QPSK | 25 | 0 | 18.08 | 18.05 | 17.85 | | |
| 5 | 16QAM | 1 | 0 | 18.36 | 18.29 | 18.15 | 18.8 | 0 |
| 5 | 16QAM | 1 | 12 | 18.36 | 18.32 | 18.20 | | |
| 5 | 16QAM | 1 | 24 | 18.36 | 18.33 | 18.22 | | |
| 5 | 16QAM | 12 | 0 | 18.13 | 18.07 | 17.90 | 18.8 | 0 |
| 5 | 16QAM | 12 | 7 | 18.17 | 18.18 | 17.90 | | |
| 5 | 16QAM | 12 | 13 | 18.12 | 18.13 | 17.92 | | |
| 5 | 16QAM | 25 | 0 | 18.12 | 18.08 | 17.89 | | |
| 5 | 64QAM | 1 | 0 | 18.32 | 18.29 | 18.17 | 18.8 | 0 |
| 5 | 64QAM | 1 | 12 | 18.30 | 18.28 | 18.14 | | |
| 5 | 64QAM | 1 | 24 | 18.26 | 18.34 | 18.12 | | |



| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 18.21 | 18.15 | 17.95 | 18.8 | 0 |
| 5 | 64QAM | 12 | 7 | 18.24 | 18.22 | 18.01 | | |
| 5 | 64QAM | 12 | 13 | 18.17 | 18.19 | 17.97 | | |
| 5 | 64QAM | 25 | 0 | 18.13 | 18.09 | 17.93 | 18.8 | 0 |
| 5 | 256QAM | 1 | 0 | 18.08 | 18.05 | 18.06 | | |
| 5 | 256QAM | 1 | 12 | 18.29 | 18.19 | 18.24 | | |
| 5 | 256QAM | 1 | 24 | 18.21 | 18.17 | 17.91 | 18.8 | 0 |
| 5 | 256QAM | 12 | 0 | 18.18 | 18.20 | 18.25 | | |
| 5 | 256QAM | 12 | 7 | 18.16 | 18.23 | 18.28 | | |
| 5 | 256QAM | 12 | 13 | 18.08 | 18.32 | 18.21 | 18.8 | 0 |
| 5 | 256QAM | 25 | 0 | 18.20 | 18.25 | 18.11 | | |



<LTE Band 12>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23060 | 23095 | 23130 | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | |
| 10 | QPSK | 1 | 0 | 22.92 | 22.71 | 22.79 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 22.88 | 22.94 | 22.64 | | |
| 10 | QPSK | 1 | 49 | 22.78 | 22.81 | 22.75 | | |
| 10 | QPSK | 25 | 0 | 21.89 | 21.90 | 21.85 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 22.08 | 22.10 | 22.05 | | |
| 10 | QPSK | 25 | 25 | 21.97 | 22.04 | 21.98 | | |
| 10 | QPSK | 50 | 0 | 21.89 | 21.95 | 21.83 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 22.29 | 22.08 | 22.25 | | |
| 10 | 16QAM | 1 | 25 | 22.23 | 22.09 | 22.08 | | |
| 10 | 16QAM | 1 | 49 | 22.19 | 22.19 | 22.15 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.97 | 20.90 | 20.91 | | |
| 10 | 16QAM | 25 | 12 | 21.07 | 21.06 | 21.08 | | |
| 10 | 16QAM | 25 | 25 | 21.06 | 21.08 | 20.98 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 21.02 | 20.86 | 20.86 | | |
| 10 | 64QAM | 1 | 0 | 21.07 | 21.03 | 21.09 | | |
| 10 | 64QAM | 1 | 25 | 21.09 | 21.11 | 21.11 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 21.16 | 21.17 | 21.11 | | |
| 10 | 64QAM | 25 | 0 | 19.88 | 19.85 | 19.86 | | |
| 10 | 64QAM | 25 | 12 | 20.00 | 19.97 | 20.00 | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | 19.97 | 19.98 | 19.96 | | |
| 10 | 64QAM | 50 | 0 | 19.96 | 19.87 | 19.88 | | |
| 10 | 256QAM | 1 | 0 | 21.07 | 21.03 | 21.09 | 20.8 | 2 |
| 10 | 256QAM | 1 | 25 | 21.09 | 21.11 | 21.11 | | |
| 10 | 256QAM | 1 | 49 | 21.16 | 21.17 | 21.11 | | |
| 10 | 256QAM | 25 | 0 | 19.88 | 19.85 | 19.86 | 19.8 | 3 |
| 10 | 256QAM | 25 | 12 | 20.00 | 19.97 | 20.00 | | |
| 10 | 256QAM | 25 | 25 | 19.97 | 19.98 | 19.96 | | |
| 10 | 256QAM | 50 | 0 | 19.96 | 19.87 | 19.88 | | |
| Channel | | | | 23035 | 23095 | 23155 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 22.88 | 22.78 | 22.86 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.90 | 22.91 | 22.92 | | |
| 5 | QPSK | 1 | 24 | 22.93 | 22.93 | 22.92 | | |
| 5 | QPSK | 12 | 0 | 22.07 | 21.96 | 21.92 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.04 | 22.05 | 21.98 | | |
| 5 | QPSK | 12 | 13 | 22.01 | 21.98 | 21.98 | | |
| 5 | QPSK | 25 | 0 | 22.06 | 21.91 | 21.91 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.42 | 22.36 | 22.25 | | |
| 5 | 16QAM | 1 | 12 | 22.06 | 22.49 | 22.31 | | |
| 5 | 16QAM | 1 | 24 | 22.55 | 22.31 | 22.31 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 21.08 | 20.93 | 20.91 | | |
| 5 | 16QAM | 12 | 7 | 21.05 | 21.02 | 20.92 | | |
| 5 | 16QAM | 12 | 13 | 21.03 | 20.96 | 20.91 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.07 | 20.91 | 20.91 | | |
| 5 | 64QAM | 1 | 0 | 21.11 | 21.08 | 21.01 | | |
| 5 | 64QAM | 1 | 12 | 21.08 | 21.13 | 21.08 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 21.14 | 21.13 | 21.07 | | |
| 5 | 64QAM | 12 | 0 | 20.01 | 20.02 | 19.99 | | |
| 5 | 64QAM | 12 | 7 | 20.03 | 20.06 | 19.98 | 20.8 | 3 |
| 5 | 64QAM | 12 | 13 | 20.02 | 20.05 | 19.99 | | |
| 5 | 64QAM | 25 | 0 | 19.99 | 19.96 | 19.89 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5 | 256QAM | 1 | 0 | 21.11 | 21.08 | 21.01 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 21.08 | 21.13 | 21.08 | | |
| 5 | 256QAM | 1 | 24 | 21.14 | 21.13 | 21.07 | | |
| 5 | 256QAM | 12 | 0 | 20.01 | 20.02 | 19.99 | 19.8 | 3 |
| 5 | 256QAM | 12 | 7 | 20.03 | 20.06 | 19.98 | | |
| 5 | 256QAM | 12 | 13 | 20.02 | 20.05 | 19.99 | | |
| 5 | 256QAM | 25 | 0 | 19.99 | 19.96 | 19.89 | | |
| Channel | | | | 23025 | 23095 | 23165 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | |
| 3 | QPSK | 1 | 0 | 22.92 | 22.89 | 22.90 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.91 | 22.93 | 22.90 | | |
| 3 | QPSK | 1 | 14 | 22.93 | 22.92 | 22.81 | | |
| 3 | QPSK | 8 | 0 | 22.01 | 21.93 | 21.97 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 22.05 | 21.96 | 21.95 | | |
| 3 | QPSK | 8 | 7 | 22.00 | 22.00 | 21.93 | | |
| 3 | QPSK | 15 | 0 | 22.04 | 21.93 | 22.02 | | |
| 3 | 16QAM | 1 | 0 | 21.97 | 21.88 | 22.07 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 21.98 | 21.99 | 21.93 | | |
| 3 | 16QAM | 1 | 14 | 21.98 | 21.88 | 22.07 | | |
| 3 | 16QAM | 8 | 0 | 21.21 | 21.12 | 21.06 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 21.15 | 21.18 | 21.08 | | |
| 3 | 16QAM | 8 | 7 | 21.13 | 21.14 | 21.04 | | |
| 3 | 16QAM | 15 | 0 | 21.12 | 21.05 | 21.07 | | |
| 3 | 64QAM | 1 | 0 | 21.14 | 21.10 | 21.06 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 21.19 | 21.18 | 21.08 | | |
| 3 | 64QAM | 1 | 14 | 21.13 | 21.16 | 21.02 | | |
| 3 | 64QAM | 8 | 0 | 20.08 | 20.01 | 19.95 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 20.06 | 20.08 | 19.97 | | |
| 3 | 64QAM | 8 | 7 | 20.00 | 20.05 | 19.94 | | |
| 3 | 64QAM | 15 | 0 | 20.02 | 19.93 | 19.94 | | |
| 3 | 256QAM | 1 | 0 | 21.14 | 21.10 | 21.06 | 20.8 | 2 |
| 3 | 256QAM | 1 | 8 | 21.19 | 21.18 | 21.08 | | |
| 3 | 256QAM | 1 | 14 | 21.13 | 21.16 | 21.02 | | |
| 3 | 256QAM | 8 | 0 | 20.08 | 20.01 | 19.95 | 19.8 | 3 |
| 3 | 256QAM | 8 | 4 | 20.06 | 20.08 | 19.97 | | |
| 3 | 256QAM | 8 | 7 | 20.00 | 20.05 | 19.94 | | |
| 3 | 256QAM | 15 | 0 | 20.02 | 19.93 | 19.94 | | |
| Channel | | | | 23017 | 23095 | 23173 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.88 | 22.77 | 22.75 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.90 | 22.83 | 22.78 | | |
| 1.4 | QPSK | 1 | 5 | 22.82 | 22.79 | 22.74 | | |
| 1.4 | QPSK | 3 | 0 | 22.87 | 22.79 | 22.70 | | |
| 1.4 | QPSK | 3 | 1 | 22.89 | 22.78 | 22.75 | | |
| 1.4 | QPSK | 3 | 3 | 22.92 | 22.82 | 22.77 | | |
| 1.4 | QPSK | 6 | 0 | 21.95 | 21.83 | 21.86 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.11 | 21.99 | 22.38 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.27 | 22.17 | 22.43 | | |
| 1.4 | 16QAM | 1 | 5 | 22.18 | 22.12 | 22.23 | | |
| 1.4 | 16QAM | 3 | 0 | 21.98 | 21.92 | 21.83 | | |
| 1.4 | 16QAM | 3 | 1 | 22.03 | 21.92 | 21.83 | 21.8 | 2 |
| 1.4 | 16QAM | 3 | 3 | 21.97 | 21.90 | 21.75 | | |
| 1.4 | 16QAM | 6 | 0 | 21.06 | 20.89 | 20.94 | | |
| 1.4 | 64QAM | 1 | 0 | 21.07 | 20.99 | 21.00 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 21.11 | 21.14 | 21.02 | | |
| 1.4 | 64QAM | 1 | 5 | 21.05 | 21.09 | 20.95 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 64QAM | 3 | 0 | 21.06 | 20.97 | 20.96 | | |
| 1.4 | 64QAM | 3 | 1 | 21.12 | 21.03 | 20.99 | | |
| 1.4 | 64QAM | 3 | 3 | 21.09 | 21.04 | 20.96 | | |
| 1.4 | 64QAM | 6 | 0 | 19.93 | 19.84 | 19.81 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 21.07 | 20.99 | 21.00 | 22.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 21.11 | 21.14 | 21.02 | | |
| 1.4 | 256QAM | 1 | 5 | 21.05 | 21.09 | 20.95 | | |
| 1.4 | 256QAM | 3 | 0 | 21.06 | 20.97 | 20.96 | | |
| 1.4 | 256QAM | 3 | 1 | 21.12 | 21.03 | 20.99 | | |
| 1.4 | 256QAM | 3 | 3 | 21.09 | 21.04 | 20.96 | | |
| 1.4 | 256QAM | 6 | 0 | 19.93 | 19.84 | 19.81 | 22.8 | 0 |



<LTE Band 13>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 23230 | | | | |
| Frequency (MHz) | | | | 782 | | | | |
| 10 | QPSK | 1 | 0 | | 22.92 | | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | | 22.90 | | | |
| 10 | QPSK | 1 | 49 | | 22.84 | | | |
| 10 | QPSK | 25 | 0 | | 22.01 | | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | | 22.03 | | | |
| 10 | QPSK | 25 | 25 | | 22.00 | | | |
| 10 | QPSK | 50 | 0 | | 21.94 | | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | | 22.56 | | | |
| 10 | 16QAM | 1 | 25 | | 22.55 | | | |
| 10 | 16QAM | 1 | 49 | | 22.45 | | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | | 20.91 | | | |
| 10 | 16QAM | 25 | 12 | | 20.93 | | | |
| 10 | 16QAM | 25 | 25 | | 20.98 | | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | | 20.91 | | | |
| 10 | 64QAM | 1 | 0 | | 20.84 | | | |
| 10 | 64QAM | 1 | 25 | | 20.93 | | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | | 20.88 | | | |
| 10 | 64QAM | 25 | 0 | | 19.73 | | | |
| 10 | 64QAM | 25 | 12 | | 19.79 | | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | | 19.81 | | | |
| 10 | 64QAM | 50 | 0 | | 19.70 | | | |
| 10 | 256QAM | 1 | 0 | | 20.84 | | 20.8 | 2 |
| 10 | 256QAM | 1 | 25 | | 20.93 | | | |
| 10 | 256QAM | 1 | 49 | | 20.88 | | | |
| 10 | 256QAM | 25 | 0 | | 19.73 | | 19.8 | 3 |
| 10 | 256QAM | 25 | 12 | | 19.79 | | | |
| 10 | 256QAM | 25 | 25 | | 19.81 | | | |
| 10 | 256QAM | 50 | 0 | | 19.70 | | | |
| Channel | | | | 23205 | 23230 | 23255 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 5 | QPSK | 1 | 0 | 22.91 | 22.90 | 22.84 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.89 | 22.89 | 22.90 | | |
| 5 | QPSK | 1 | 24 | 22.91 | 22.91 | 22.82 | | |
| 5 | QPSK | 12 | 0 | 22.08 | 22.06 | 22.00 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.15 | 22.08 | 22.08 | | |
| 5 | QPSK | 12 | 13 | 22.12 | 22.12 | 22.07 | | |
| 5 | QPSK | 25 | 0 | 21.98 | 21.96 | 21.91 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.15 | 22.02 | 22.45 | | |
| 5 | 16QAM | 1 | 12 | 22.09 | 22.40 | 22.39 | | |
| 5 | 16QAM | 1 | 24 | 22.18 | 22.13 | 22.09 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 21.19 | 21.18 | 20.95 | | |
| 5 | 16QAM | 12 | 7 | 21.14 | 21.12 | 21.07 | | |
| 5 | 16QAM | 12 | 13 | 21.13 | 21.07 | 21.04 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.12 | 21.00 | 20.90 | | |
| 5 | 64QAM | 1 | 0 | 20.62 | 20.91 | 20.82 | | |
| 5 | 64QAM | 1 | 12 | 20.98 | 20.93 | 20.81 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 20.96 | 20.86 | 20.86 | | |
| 5 | 64QAM | 12 | 0 | 19.91 | 19.78 | 19.77 | | |
| 5 | 64QAM | 12 | 7 | 19.92 | 19.85 | 19.86 | 20.8 | 3 |
| 5 | 64QAM | 12 | 13 | 19.86 | 19.84 | 19.82 | | |
| 5 | 64QAM | 25 | 0 | 19.79 | 19.77 | 19.77 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 20.62 | 20.91 | 20.82 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 20.98 | 20.93 | 20.81 | | |
| 5 | 256QAM | 1 | 24 | 20.96 | 20.86 | 20.86 | | |
| 5 | 256QAM | 12 | 0 | 19.91 | 19.78 | 19.77 | 19.8 | 3 |
| 5 | 256QAM | 12 | 7 | 19.92 | 19.85 | 19.86 | | |
| 5 | 256QAM | 12 | 13 | 19.86 | 19.84 | 19.82 | | |
| 5 | 256QAM | 25 | 0 | 19.79 | 19.77 | 19.77 | | |



<LTE Band 17>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------------------|----------|
| Channel | | | | 23780 | 23790 | 23800 | | | | |
| Frequency (MHz) | | | | 709 | 710 | 711 | | | | |
| 10 | QPSK | 1 | 0 | 22.85 | 22.96 | 22.89 | 23.8 | 0 | | |
| 10 | QPSK | 1 | 25 | 22.83 | 22.87 | 22.95 | | | | |
| 10 | QPSK | 1 | 49 | 22.88 | 22.95 | 22.91 | | | | |
| 10 | QPSK | 25 | 0 | 22.00 | 22.01 | 22.00 | 22.8 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.06 | 22.09 | 22.01 | | | | |
| 10 | QPSK | 25 | 25 | 22.04 | 21.91 | 21.96 | | | | |
| 10 | QPSK | 50 | 0 | 21.98 | 22.04 | 22.02 | 22.8 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.26 | 22.50 | 22.57 | | | | |
| 10 | 16QAM | 1 | 25 | 22.20 | 22.56 | 22.57 | | | | |
| 10 | 16QAM | 1 | 49 | 22.19 | 22.42 | 22.58 | 21.8 | 2 | | |
| 10 | 16QAM | 25 | 0 | 21.05 | 21.04 | 21.10 | | | | |
| 10 | 16QAM | 25 | 12 | 21.21 | 20.93 | 21.05 | | | | |
| 10 | 16QAM | 25 | 25 | 21.11 | 21.08 | 21.03 | 21.8 | 2 | | |
| 10 | 16QAM | 50 | 0 | 20.99 | 21.08 | 21.02 | | | | |
| 10 | 64QAM | 1 | 0 | 21.12 | 21.06 | 20.99 | | | | |
| 10 | 64QAM | 1 | 25 | 21.15 | 21.21 | 21.11 | 21.8 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.16 | 21.11 | 21.09 | | | | |
| 10 | 64QAM | 25 | 0 | 19.98 | 19.97 | 19.96 | | | | |
| 10 | 64QAM | 25 | 12 | 20.09 | 20.03 | 19.99 | 20.8 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.03 | 19.95 | 19.93 | | | | |
| 10 | 64QAM | 50 | 0 | 19.97 | 19.99 | 19.99 | | | | |
| 10 | 256QAM | 1 | 0 | 21.12 | 21.06 | 20.99 | 20.8 | 2 | | |
| 10 | 256QAM | 1 | 25 | 21.15 | 21.21 | 21.11 | | | | |
| 10 | 256QAM | 1 | 49 | 21.16 | 21.11 | 21.09 | | | | |
| 10 | 256QAM | 25 | 0 | 19.98 | 19.97 | 19.96 | 19.8 | 3 | | |
| 10 | 256QAM | 25 | 12 | 20.09 | 20.03 | 19.99 | | | | |
| 10 | 256QAM | 25 | 25 | 20.03 | 19.95 | 19.93 | | | | |
| 10 | 256QAM | 50 | 0 | 19.97 | 19.99 | 19.99 | 19.8 | 3 | | |
| Channel | | | | 23755 | 23790 | 23825 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | | | | |
| 5 | QPSK | 1 | 0 | 22.93 | 22.95 | 22.83 | 23.8 | 0 | | |
| 5 | QPSK | 1 | 12 | 22.94 | 22.95 | 22.89 | | | | |
| 5 | QPSK | 1 | 24 | 22.95 | 22.91 | 22.75 | | | | |
| 5 | QPSK | 12 | 0 | 22.02 | 22.02 | 21.94 | 22.8 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.04 | 22.01 | 22.05 | | | | |
| 5 | QPSK | 12 | 13 | 22.08 | 21.96 | 21.93 | | | | |
| 5 | QPSK | 25 | 0 | 22.10 | 22.06 | 22.07 | 22.8 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.34 | 22.23 | 22.23 | | | | |
| 5 | 16QAM | 1 | 12 | 22.37 | 22.39 | 22.16 | | | | |
| 5 | 16QAM | 1 | 24 | 22.38 | 22.22 | 22.20 | 21.8 | 2 | | |
| 5 | 16QAM | 12 | 0 | 21.02 | 20.98 | 20.91 | | | | |
| 5 | 16QAM | 12 | 7 | 21.04 | 20.98 | 20.98 | | | | |
| 5 | 16QAM | 12 | 13 | 21.08 | 20.97 | 20.87 | 21.8 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.02 | 20.96 | 20.96 | | | | |
| 5 | 64QAM | 1 | 0 | 21.11 | 21.06 | 21.07 | | | | |
| 5 | 64QAM | 1 | 12 | 21.10 | 21.11 | 21.06 | 21.8 | 2 | | |
| 5 | 64QAM | 1 | 24 | 21.16 | 21.06 | 21.01 | | | | |
| 5 | 64QAM | 12 | 0 | 20.04 | 19.99 | 20.01 | | | | |
| 5 | 64QAM | 12 | 7 | 20.09 | 20.04 | 20.00 | 20.8 | 3 | | |
| 5 | 64QAM | 12 | 13 | 20.11 | 20.03 | 19.98 | | | | |
| 5 | 64QAM | 25 | 0 | 20.03 | 19.99 | 19.94 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 21.11 | 21.06 | 21.07 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 21.10 | 21.11 | 21.06 | | |
| 5 | 256QAM | 1 | 24 | 21.16 | 21.06 | 21.01 | | |
| 5 | 256QAM | 12 | 0 | 20.04 | 19.99 | 20.01 | 19.8 | 3 |
| 5 | 256QAM | 12 | 7 | 20.09 | 20.04 | 20.00 | | |
| 5 | 256QAM | 12 | 13 | 20.11 | 20.03 | 19.98 | | |
| 5 | 256QAM | 25 | 0 | 20.03 | 19.99 | 19.94 | | |



<LTE Band 25>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26140 | 26340 | 26590 | 18.8 | 0 |
| Frequency (MHz) | | | | 1860 | 1880 | 1905 | | |
| 20 | QPSK | 1 | 0 | 18.22 | 18.28 | 18.25 | | |
| 20 | QPSK | 1 | 49 | 18.15 | 18.25 | 18.24 | 18.8 | 0 |
| 20 | QPSK | 1 | 99 | 18.01 | 18.17 | 18.19 | | |
| 20 | QPSK | 50 | 0 | 18.13 | 18.20 | 18.22 | | |
| 20 | QPSK | 50 | 24 | 18.20 | 18.25 | 18.20 | 18.8 | 0 |
| 20 | QPSK | 50 | 50 | 18.19 | 18.20 | 18.22 | | |
| 20 | QPSK | 100 | 0 | 18.08 | 18.15 | 18.14 | | |
| 20 | 16QAM | 1 | 0 | 18.24 | 18.23 | 18.27 | 18.8 | 0 |
| 20 | 16QAM | 1 | 49 | 18.27 | 18.23 | 18.27 | | |
| 20 | 16QAM | 1 | 99 | 18.15 | 18.21 | 18.23 | | |
| 20 | 16QAM | 50 | 0 | 18.01 | 18.11 | 18.12 | 18.8 | 0 |
| 20 | 16QAM | 50 | 24 | 18.07 | 18.17 | 18.12 | | |
| 20 | 16QAM | 50 | 50 | 18.08 | 18.12 | 18.16 | | |
| 20 | 16QAM | 100 | 0 | 17.97 | 18.06 | 18.01 | 18.8 | 0 |
| 20 | 64QAM | 1 | 0 | 18.20 | 18.10 | 18.23 | | |
| 20 | 64QAM | 1 | 49 | 18.19 | 18.20 | 18.23 | | |
| 20 | 64QAM | 1 | 99 | 18.12 | 18.24 | 18.16 | 18.8 | 0 |
| 20 | 64QAM | 50 | 0 | 18.06 | 18.13 | 18.16 | | |
| 20 | 64QAM | 50 | 24 | 18.11 | 18.23 | 18.13 | | |
| 20 | 64QAM | 50 | 50 | 18.07 | 18.16 | 18.19 | 18.8 | 0 |
| 20 | 64QAM | 100 | 0 | 18.02 | 18.09 | 18.06 | | |
| 20 | 256QAM | 1 | 0 | 18.03 | 18.08 | 18.08 | | |
| 20 | 256QAM | 1 | 49 | 18.07 | 18.11 | 18.05 | 18.8 | 0 |
| 20 | 256QAM | 1 | 99 | 18.00 | 18.09 | 18.06 | | |
| 20 | 256QAM | 50 | 0 | 17.97 | 18.09 | 18.05 | | |
| 20 | 256QAM | 50 | 24 | 18.04 | 18.09 | 18.08 | 18.8 | 0 |
| 20 | 256QAM | 50 | 50 | 18.04 | 18.04 | 18.07 | | |
| 20 | 256QAM | 100 | 0 | 18.02 | 17.99 | 18.08 | | |
| Channel | | | | 26115 | 26340 | 26615 | 18.8 | 0 |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1907.5 | | |
| 15 | QPSK | 1 | 0 | 17.92 | 18.26 | 18.26 | | |
| 15 | QPSK | 1 | 37 | 18.11 | 18.24 | 18.24 | 18.8 | 0 |
| 15 | QPSK | 1 | 74 | 17.95 | 18.19 | 18.22 | | |
| 15 | QPSK | 36 | 0 | 17.90 | 18.01 | 18.02 | | |
| 15 | QPSK | 36 | 20 | 18.10 | 18.15 | 18.19 | 18.8 | 0 |
| 15 | QPSK | 36 | 39 | 18.00 | 18.12 | 18.16 | | |
| 15 | QPSK | 75 | 0 | 17.99 | 18.11 | 18.13 | | |
| 15 | 16QAM | 1 | 0 | 18.01 | 18.27 | 18.16 | 18.8 | 0 |
| 15 | 16QAM | 1 | 37 | 18.21 | 18.23 | 18.16 | | |
| 15 | 16QAM | 1 | 74 | 18.03 | 18.18 | 18.07 | | |
| 15 | 16QAM | 36 | 0 | 17.92 | 18.02 | 17.99 | 18.8 | 0 |
| 15 | 16QAM | 36 | 20 | 18.06 | 18.18 | 18.19 | | |
| 15 | 16QAM | 36 | 39 | 17.99 | 18.15 | 18.12 | | |
| 15 | 16QAM | 75 | 0 | 18.00 | 18.08 | 18.09 | 18.8 | 0 |
| 15 | 64QAM | 1 | 0 | 17.92 | 18.26 | 18.23 | | |
| 15 | 64QAM | 1 | 37 | 18.14 | 18.23 | 18.18 | | |
| 15 | 64QAM | 1 | 74 | 18.00 | 18.25 | 18.16 | 18.8 | 0 |
| 15 | 64QAM | 36 | 0 | 17.97 | 18.03 | 18.09 | | |
| 15 | 64QAM | 36 | 20 | 18.11 | 18.24 | 18.23 | | |
| 15 | 64QAM | 36 | 39 | 18.05 | 18.16 | 18.20 | 18.8 | 0 |
| 15 | 64QAM | 75 | 0 | 18.02 | 18.14 | 18.13 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 17.94 | 17.99 | 18.06 | 18.8 | 0 |
| 15 | 256QAM | 1 | 37 | 18.02 | 18.01 | 18.02 | | |
| 15 | 256QAM | 1 | 74 | 17.95 | 18.02 | 18.06 | | |
| 15 | 256QAM | 36 | 0 | 17.88 | 18.02 | 18.03 | 18.8 | 0 |
| 15 | 256QAM | 36 | 20 | 17.98 | 18.02 | 18.08 | | |
| 15 | 256QAM | 36 | 39 | 18.00 | 18.00 | 18.04 | | |
| 15 | 256QAM | 75 | 0 | 18.02 | 17.96 | 18.02 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26090 | 26340 | 26640 | | |
| Frequency (MHz) | | | | 1855 | 1880 | 1910 | | |
| 10 | QPSK | 1 | 0 | 17.65 | 17.67 | 18.01 | 18.8 | 0 |
| 10 | QPSK | 1 | 25 | 17.86 | 17.95 | 17.96 | | |
| 10 | QPSK | 1 | 49 | 17.62 | 17.74 | 17.95 | | |
| 10 | QPSK | 25 | 0 | 17.85 | 17.99 | 17.95 | 18.8 | 0 |
| 10 | QPSK | 25 | 12 | 18.00 | 18.12 | 18.05 | | |
| 10 | QPSK | 25 | 25 | 17.95 | 18.07 | 18.04 | | |
| 10 | QPSK | 50 | 0 | 17.97 | 18.06 | 18.00 | 18.8 | 0 |
| 10 | 16QAM | 1 | 0 | 18.01 | 18.05 | 18.24 | | |
| 10 | 16QAM | 1 | 25 | 18.20 | 18.23 | 18.22 | | |
| 10 | 16QAM | 1 | 49 | 17.97 | 18.07 | 18.26 | 18.8 | 0 |
| 10 | 16QAM | 25 | 0 | 17.88 | 17.97 | 17.98 | | |
| 10 | 16QAM | 25 | 12 | 18.04 | 18.14 | 18.06 | | |
| 10 | 16QAM | 25 | 25 | 17.93 | 18.06 | 18.04 | 18.8 | 0 |
| 10 | 16QAM | 50 | 0 | 17.95 | 18.09 | 17.97 | | |
| 10 | 64QAM | 1 | 0 | 17.86 | 17.94 | 18.25 | | |
| 10 | 64QAM | 1 | 25 | 18.20 | 18.19 | 18.21 | 18.8 | 0 |
| 10 | 64QAM | 1 | 49 | 17.89 | 17.98 | 18.26 | | |
| 10 | 64QAM | 25 | 0 | 17.85 | 17.99 | 18.00 | | |
| 10 | 64QAM | 25 | 12 | 18.06 | 18.17 | 18.13 | 18.8 | 0 |
| 10 | 64QAM | 25 | 25 | 17.95 | 18.08 | 18.12 | | |
| 10 | 64QAM | 50 | 0 | 17.99 | 18.08 | 18.02 | | |
| 10 | 256QAM | 1 | 0 | 17.93 | 17.98 | 18.05 | 18.8 | 0 |
| 10 | 256QAM | 1 | 25 | 17.94 | 17.95 | 17.98 | | |
| 10 | 256QAM | 1 | 49 | 17.90 | 17.96 | 18.01 | | |
| 10 | 256QAM | 25 | 0 | 17.81 | 17.98 | 18.03 | 18.8 | 0 |
| 10 | 256QAM | 25 | 12 | 17.93 | 17.95 | 18.06 | | |
| 10 | 256QAM | 25 | 25 | 17.99 | 17.95 | 18.02 | | |
| 10 | 256QAM | 50 | 0 | 17.96 | 17.96 | 17.99 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 26065 | 26340 | 26665 | | |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1912.5 | | |
| 5 | QPSK | 1 | 0 | 17.89 | 17.91 | 17.96 | 18.8 | 0 |
| 5 | QPSK | 1 | 12 | 17.92 | 18.02 | 17.99 | | |
| 5 | QPSK | 1 | 24 | 17.88 | 18.05 | 18.04 | | |
| 5 | QPSK | 12 | 0 | 17.99 | 18.03 | 18.01 | 18.8 | 0 |
| 5 | QPSK | 12 | 7 | 18.02 | 18.14 | 18.06 | | |
| 5 | QPSK | 12 | 13 | 18.02 | 18.10 | 18.12 | | |
| 5 | QPSK | 25 | 0 | 17.96 | 18.08 | 18.05 | 18.8 | 0 |
| 5 | 16QAM | 1 | 0 | 18.07 | 18.10 | 18.13 | | |
| 5 | 16QAM | 1 | 12 | 18.09 | 18.12 | 18.16 | | |
| 5 | 16QAM | 1 | 24 | 18.16 | 18.27 | 18.17 | 18.8 | 0 |
| 5 | 16QAM | 12 | 0 | 17.99 | 18.04 | 18.02 | | |
| 5 | 16QAM | 12 | 7 | 18.01 | 18.16 | 18.10 | | |
| 5 | 16QAM | 12 | 13 | 18.02 | 18.13 | 18.13 | 18.8 | 0 |
| 5 | 16QAM | 25 | 0 | 17.99 | 18.11 | 18.03 | | |
| 5 | 64QAM | 1 | 0 | 18.14 | 18.22 | 18.20 | | |
| 5 | 64QAM | 1 | 12 | 18.05 | 18.21 | 18.20 | 18.8 | 0 |
| 5 | 64QAM | 1 | 24 | 18.12 | 18.25 | 18.18 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|-------|--------|------|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 18.05 | 18.11 | 18.12 | 18.8 | 0 | | |
| 5 | 64QAM | 12 | 7 | 18.09 | 18.22 | 18.16 | | | | |
| 5 | 64QAM | 12 | 13 | 18.09 | 18.21 | 18.20 | | | | |
| 5 | 64QAM | 25 | 0 | 18.01 | 18.12 | 18.10 | 18.8 | 0 | | |
| 5 | 256QAM | 1 | 0 | 17.88 | 17.96 | 18.04 | | | | |
| 5 | 256QAM | 1 | 12 | 17.87 | 17.94 | 17.96 | | | | |
| 5 | 256QAM | 1 | 24 | 17.80 | 17.88 | 17.93 | 18.8 | 0 | | |
| 5 | 256QAM | 12 | 0 | 17.71 | 17.89 | 17.98 | | | | |
| 5 | 256QAM | 12 | 7 | 17.87 | 17.95 | 17.96 | | | | |
| 5 | 256QAM | 12 | 13 | 17.99 | 17.93 | 18.00 | 18.8 | 0 | | |
| 5 | 256QAM | 25 | 0 | 17.92 | 17.91 | 17.89 | | | | |
| Channel | | | | 26055 | 26340 | 26675 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1913.5 | | | | |
| 3 | QPSK | 1 | 0 | 17.85 | 17.95 | 18.00 | 18.8 | 0 | | |
| 3 | QPSK | 1 | 8 | 17.93 | 18.06 | 18.09 | | | | |
| 3 | QPSK | 1 | 14 | 17.89 | 18.04 | 18.02 | | | | |
| 3 | QPSK | 8 | 0 | 17.97 | 18.01 | 18.06 | 18.8 | 0 | | |
| 3 | QPSK | 8 | 4 | 18.01 | 18.12 | 18.14 | | | | |
| 3 | QPSK | 8 | 7 | 18.00 | 18.08 | 18.11 | | | | |
| 3 | QPSK | 15 | 0 | 17.99 | 18.07 | 18.09 | 18.8 | 0 | | |
| 3 | 16QAM | 1 | 0 | 17.96 | 18.06 | 18.10 | | | | |
| 3 | 16QAM | 1 | 8 | 18.06 | 18.25 | 18.15 | | | | |
| 3 | 16QAM | 1 | 14 | 18.04 | 18.21 | 18.17 | 18.8 | 0 | | |
| 3 | 16QAM | 8 | 0 | 18.02 | 18.08 | 18.15 | | | | |
| 3 | 16QAM | 8 | 4 | 18.04 | 18.18 | 18.19 | | | | |
| 3 | 16QAM | 8 | 7 | 18.01 | 18.20 | 18.16 | 18.8 | 0 | | |
| 3 | 16QAM | 15 | 0 | 17.98 | 18.14 | 18.12 | | | | |
| 3 | 64QAM | 1 | 0 | 17.97 | 18.00 | 18.10 | | | | |
| 3 | 64QAM | 1 | 8 | 17.96 | 18.14 | 18.18 | 18.8 | 0 | | |
| 3 | 64QAM | 1 | 14 | 17.96 | 18.08 | 18.14 | | | | |
| 3 | 64QAM | 8 | 0 | 18.05 | 18.11 | 18.17 | | | | |
| 3 | 64QAM | 8 | 4 | 18.08 | 18.21 | 18.19 | 18.8 | 0 | | |
| 3 | 64QAM | 8 | 7 | 18.05 | 18.19 | 18.20 | | | | |
| 3 | 64QAM | 15 | 0 | 18.00 | 18.17 | 18.16 | | | | |
| 3 | 256QAM | 1 | 0 | 17.88 | 17.95 | 17.96 | 18.8 | 0 | | |
| 3 | 256QAM | 1 | 8 | 17.87 | 17.85 | 17.94 | | | | |
| 3 | 256QAM | 1 | 14 | 17.73 | 17.80 | 17.90 | | | | |
| 3 | 256QAM | 8 | 0 | 17.62 | 17.81 | 17.95 | 18.8 | 0 | | |
| 3 | 256QAM | 8 | 4 | 17.80 | 17.89 | 17.95 | | | | |
| 3 | 256QAM | 8 | 7 | 17.98 | 17.86 | 17.99 | | | | |
| 3 | 256QAM | 15 | 0 | 17.91 | 17.84 | 17.84 | 18.8 | 0 | | |
| Channel | | | | 26047 | 26340 | 26683 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1914.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 17.77 | 17.83 | 17.87 | 18.8 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 17.87 | 17.94 | 18.02 | | | | |
| 1.4 | QPSK | 1 | 5 | 17.81 | 17.88 | 17.95 | | | | |
| 1.4 | QPSK | 3 | 0 | 17.86 | 17.93 | 17.95 | 18.8 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 17.86 | 17.96 | 17.96 | | | | |
| 1.4 | QPSK | 3 | 3 | 17.84 | 17.99 | 17.95 | | | | |
| 1.4 | QPSK | 6 | 0 | 17.93 | 17.97 | 18.01 | 18.8 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 18.12 | 18.18 | 18.23 | | | | |
| 1.4 | 16QAM | 1 | 3 | 18.21 | 18.24 | 18.26 | | | | |
| 1.4 | 16QAM | 1 | 5 | 18.17 | 18.25 | 18.26 | 18.8 | 0 | | |
| 1.4 | 16QAM | 3 | 0 | 17.92 | 18.06 | 17.99 | | | | |
| 1.4 | 16QAM | 3 | 1 | 17.97 | 18.08 | 18.02 | | | | |
| 1.4 | 16QAM | 3 | 3 | 17.95 | 18.04 | 17.99 | 18.8 | 0 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 17.99 | 18.10 | 18.09 | 18.8 | 0 |
| 1.4 | 64QAM | 1 | 0 | 18.10 | 18.12 | 18.16 | 18.8 | 0 |
| 1.4 | 64QAM | 1 | 3 | 18.13 | 18.19 | 18.24 | | |
| 1.4 | 64QAM | 1 | 5 | 18.08 | 18.16 | 18.15 | | |
| 1.4 | 64QAM | 3 | 0 | 18.09 | 18.14 | 18.15 | | |
| 1.4 | 64QAM | 3 | 1 | 18.12 | 18.17 | 18.22 | | |
| 1.4 | 64QAM | 3 | 3 | 18.08 | 18.17 | 18.19 | | |
| 1.4 | 64QAM | 6 | 0 | 17.94 | 18.07 | 18.07 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 0 | 17.87 | 17.86 | 17.94 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 17.80 | 17.75 | 17.86 | | |
| 1.4 | 256QAM | 1 | 5 | 17.73 | 17.72 | 17.84 | | |
| 1.4 | 256QAM | 3 | 0 | 17.55 | 17.71 | 17.92 | | |
| 1.4 | 256QAM | 3 | 1 | 17.75 | 17.86 | 17.93 | | |
| 1.4 | 256QAM | 3 | 3 | 17.89 | 17.86 | 17.91 | | |
| 1.4 | 256QAM | 6 | 0 | 17.91 | 17.84 | 17.80 | 18.8 | 0 |



<LTE Band 26>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 26765 | 26865 | 26965 | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | |
| 15 | QPSK | 1 | 0 | 22.96 | 22.99 | 22.95 | | |
| 15 | QPSK | 1 | 37 | 22.90 | 22.93 | 22.90 | | |
| 15 | QPSK | 1 | 74 | 22.94 | 22.96 | 22.77 | | |
| 15 | QPSK | 36 | 0 | 21.94 | 21.91 | 21.96 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.05 | 22.07 | 22.01 | | |
| 15 | QPSK | 36 | 39 | 22.01 | 21.98 | 22.06 | | |
| 15 | QPSK | 75 | 0 | 22.02 | 22.05 | 22.03 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.16 | 22.43 | 22.01 | | |
| 15 | 16QAM | 1 | 37 | 22.26 | 22.08 | 21.98 | | |
| 15 | 16QAM | 1 | 74 | 22.10 | 21.93 | 21.84 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 20.91 | 20.92 | 20.97 | | |
| 15 | 16QAM | 36 | 20 | 21.10 | 20.94 | 21.10 | | |
| 15 | 16QAM | 36 | 39 | 21.02 | 20.98 | 21.03 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.06 | 20.98 | 21.01 | | |
| 15 | 64QAM | 1 | 0 | 20.94 | 20.91 | 21.02 | | |
| 15 | 64QAM | 1 | 37 | 21.05 | 21.00 | 21.09 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 21.07 | 21.03 | 21.01 | | |
| 15 | 64QAM | 36 | 0 | 19.79 | 19.80 | 19.86 | | |
| 15 | 64QAM | 36 | 20 | 19.94 | 19.89 | 20.02 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 19.86 | 19.92 | 19.94 | | |
| 15 | 64QAM | 75 | 0 | 19.85 | 19.81 | 19.93 | | |
| 15 | 256QAM | 1 | 0 | 20.94 | 20.91 | 21.02 | 20.8 | 2 |
| 15 | 256QAM | 1 | 37 | 21.05 | 21.00 | 21.09 | | |
| 15 | 256QAM | 1 | 74 | 21.07 | 21.03 | 21.01 | | |
| 15 | 256QAM | 36 | 0 | 19.79 | 19.80 | 19.86 | 19.8 | 3 |
| 15 | 256QAM | 36 | 20 | 19.94 | 19.89 | 20.02 | | |
| 15 | 256QAM | 36 | 39 | 19.86 | 19.92 | 19.94 | | |
| 15 | 256QAM | 75 | 0 | 19.85 | 19.81 | 19.93 | | |
| Channel | | | | 26740 | 26865 | 26990 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 22.88 | 22.85 | 22.84 | | |
| 10 | QPSK | 1 | 25 | 22.87 | 22.88 | 22.94 | | |
| 10 | QPSK | 1 | 49 | 22.76 | 22.86 | 22.80 | | |
| 10 | QPSK | 25 | 0 | 21.74 | 21.83 | 21.80 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 21.94 | 21.95 | 21.87 | | |
| 10 | QPSK | 25 | 25 | 21.69 | 21.83 | 21.87 | | |
| 10 | QPSK | 50 | 0 | 21.81 | 21.78 | 21.88 | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | 22.11 | 22.36 | 22.50 | | |
| 10 | 16QAM | 1 | 25 | 22.05 | 22.36 | 22.63 | | |
| 10 | 16QAM | 1 | 49 | 22.09 | 22.34 | 22.32 | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | 20.83 | 20.78 | 20.73 | | |
| 10 | 16QAM | 25 | 12 | 20.90 | 20.89 | 20.77 | | |
| 10 | 16QAM | 25 | 25 | 20.76 | 20.91 | 20.77 | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | 20.90 | 20.82 | 20.88 | | |
| 10 | 64QAM | 1 | 0 | 20.84 | 20.86 | 20.91 | | |
| 10 | 64QAM | 1 | 25 | 20.89 | 20.91 | 20.93 | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | 20.90 | 20.86 | 20.87 | | |
| 10 | 64QAM | 25 | 0 | 19.56 | 19.65 | 19.69 | | |
| 10 | 64QAM | 25 | 12 | 19.76 | 19.79 | 19.80 | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | 19.70 | 19.77 | 19.77 | | |
| 10 | 64QAM | 50 | 0 | 19.68 | 19.69 | 19.72 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 10 | 256QAM | 1 | 0 | 20.84 | 20.86 | 20.91 | 20.8 | 2 |
| 10 | 256QAM | 1 | 25 | 20.89 | 20.91 | 20.93 | | |
| 10 | 256QAM | 1 | 49 | 20.90 | 20.86 | 20.87 | | |
| 10 | 256QAM | 25 | 0 | 19.56 | 19.65 | 19.69 | 19.8 | 3 |
| 10 | 256QAM | 25 | 12 | 19.76 | 19.79 | 19.80 | | |
| 10 | 256QAM | 25 | 25 | 19.70 | 19.77 | 19.77 | | |
| 10 | 256QAM | 50 | 0 | 19.68 | 19.69 | 19.72 | | |
| Channel | | | | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 816.5 | 831.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 22.75 | 22.75 | 22.85 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 22.83 | 22.85 | 22.96 | | |
| 5 | QPSK | 1 | 24 | 22.80 | 22.86 | 22.89 | | |
| 5 | QPSK | 12 | 0 | 21.88 | 21.89 | 21.83 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 21.92 | 22.08 | 21.86 | | |
| 5 | QPSK | 12 | 13 | 21.93 | 21.96 | 21.88 | | |
| 5 | QPSK | 25 | 0 | 21.92 | 21.93 | 21.87 | | |
| 5 | 16QAM | 1 | 0 | 21.74 | 21.77 | 21.97 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 21.80 | 22.00 | 22.03 | | |
| 5 | 16QAM | 1 | 24 | 21.76 | 22.07 | 21.97 | | |
| 5 | 16QAM | 12 | 0 | 20.94 | 20.91 | 20.98 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 20.97 | 21.14 | 20.97 | | |
| 5 | 16QAM | 12 | 13 | 21.02 | 21.07 | 20.94 | | |
| 5 | 16QAM | 25 | 0 | 20.95 | 21.01 | 20.98 | | |
| 5 | 64QAM | 1 | 0 | 20.86 | 20.95 | 21.03 | 21.8 | 2 |
| 5 | 64QAM | 1 | 12 | 20.90 | 20.98 | 21.03 | | |
| 5 | 64QAM | 1 | 24 | 20.82 | 20.95 | 20.94 | | |
| 5 | 64QAM | 12 | 0 | 19.76 | 19.77 | 19.85 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 19.82 | 19.89 | 19.89 | | |
| 5 | 64QAM | 12 | 13 | 19.79 | 19.85 | 19.89 | | |
| 5 | 64QAM | 25 | 0 | 19.75 | 19.73 | 19.81 | | |
| 5 | 256QAM | 1 | 0 | 20.86 | 20.95 | 21.03 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 20.90 | 20.98 | 21.03 | | |
| 5 | 256QAM | 1 | 24 | 20.82 | 20.95 | 20.94 | | |
| 5 | 256QAM | 12 | 0 | 19.76 | 19.77 | 19.85 | 19.8 | 3 |
| 5 | 256QAM | 12 | 7 | 19.82 | 19.89 | 19.89 | | |
| 5 | 256QAM | 12 | 13 | 19.79 | 19.85 | 19.89 | | |
| 5 | 256QAM | 25 | 0 | 19.75 | 19.73 | 19.81 | | |
| Channel | | | | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 815.5 | 831.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.86 | 22.94 | 22.84 | 23.8 | 0 |
| 3 | QPSK | 1 | 8 | 22.98 | 22.96 | 22.97 | | |
| 3 | QPSK | 1 | 14 | 22.81 | 22.87 | 22.83 | | |
| 3 | QPSK | 8 | 0 | 21.93 | 21.88 | 21.95 | 22.8 | 1 |
| 3 | QPSK | 8 | 4 | 21.91 | 21.95 | 21.96 | | |
| 3 | QPSK | 8 | 7 | 21.94 | 21.98 | 21.89 | | |
| 3 | QPSK | 15 | 0 | 21.92 | 21.85 | 21.94 | | |
| 3 | 16QAM | 1 | 0 | 22.39 | 21.99 | 22.45 | 22.8 | 1 |
| 3 | 16QAM | 1 | 8 | 22.13 | 22.18 | 22.40 | | |
| 3 | 16QAM | 1 | 14 | 21.99 | 22.01 | 22.34 | | |
| 3 | 16QAM | 8 | 0 | 21.07 | 21.01 | 21.00 | 21.8 | 2 |
| 3 | 16QAM | 8 | 4 | 21.11 | 21.17 | 21.01 | | |
| 3 | 16QAM | 8 | 7 | 21.04 | 21.12 | 21.00 | | |
| 3 | 16QAM | 15 | 0 | 21.04 | 21.11 | 20.90 | | |
| 3 | 64QAM | 1 | 0 | 20.91 | 20.85 | 20.99 | 21.8 | 2 |
| 3 | 64QAM | 1 | 8 | 20.94 | 21.03 | 21.02 | | |
| 3 | 64QAM | 1 | 14 | 20.83 | 20.97 | 20.93 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 3 | 64QAM | 8 | 0 | 19.79 | 19.81 | 19.89 | 20.8 | 3 |
| 3 | 64QAM | 8 | 4 | 19.82 | 19.87 | 19.92 | | |
| 3 | 64QAM | 8 | 7 | 19.76 | 19.84 | 19.87 | | |
| 3 | 64QAM | 15 | 0 | 19.77 | 19.77 | 19.85 | | |
| 3 | 256QAM | 1 | 0 | 20.91 | 20.85 | 20.99 | 20.8 | 2 |
| 3 | 256QAM | 1 | 8 | 20.94 | 21.03 | 21.02 | | |
| 3 | 256QAM | 1 | 14 | 20.83 | 20.97 | 20.93 | | |
| 3 | 256QAM | 8 | 0 | 19.79 | 19.81 | 19.89 | 19.8 | 3 |
| 3 | 256QAM | 8 | 4 | 19.82 | 19.87 | 19.92 | | |
| 3 | 256QAM | 8 | 7 | 19.76 | 19.84 | 19.87 | | |
| 3 | 256QAM | 15 | 0 | 19.77 | 19.77 | 19.85 | | |
| Channel | | | | 26697 | 26865 | 27033 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 814.7 | 831.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.78 | 22.68 | 22.67 | 23.8 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.85 | 22.87 | 22.84 | | |
| 1.4 | QPSK | 1 | 5 | 22.82 | 22.83 | 22.69 | | |
| 1.4 | QPSK | 3 | 0 | 22.84 | 22.77 | 22.75 | | |
| 1.4 | QPSK | 3 | 1 | 22.86 | 22.88 | 22.73 | | |
| 1.4 | QPSK | 3 | 3 | 22.86 | 22.87 | 22.75 | | |
| 1.4 | QPSK | 6 | 0 | 21.89 | 21.80 | 21.86 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.07 | 22.02 | 22.03 | 22.8 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.17 | 22.15 | 22.02 | | |
| 1.4 | 16QAM | 1 | 5 | 22.12 | 22.07 | 22.01 | | |
| 1.4 | 16QAM | 3 | 0 | 21.99 | 21.87 | 21.80 | | |
| 1.4 | 16QAM | 3 | 1 | 21.94 | 21.86 | 21.92 | | |
| 1.4 | 16QAM | 3 | 3 | 21.97 | 21.87 | 21.86 | | |
| 1.4 | 16QAM | 6 | 0 | 21.02 | 20.89 | 20.94 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.89 | 20.79 | 20.91 | 21.8 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.94 | 20.94 | 20.94 | | |
| 1.4 | 64QAM | 1 | 5 | 20.84 | 20.88 | 20.89 | | |
| 1.4 | 64QAM | 3 | 0 | 20.84 | 20.76 | 20.83 | | |
| 1.4 | 64QAM | 3 | 1 | 20.86 | 20.84 | 20.89 | | |
| 1.4 | 64QAM | 3 | 3 | 20.83 | 20.83 | 20.85 | | |
| 1.4 | 64QAM | 6 | 0 | 19.69 | 19.71 | 19.74 | 20.8 | 3 |
| 1.4 | 256QAM | 1 | 0 | 20.89 | 20.79 | 20.91 | 22.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 20.94 | 20.94 | 20.94 | | |
| 1.4 | 256QAM | 1 | 5 | 20.84 | 20.88 | 20.89 | | |
| 1.4 | 256QAM | 3 | 0 | 20.84 | 20.76 | 20.83 | | |
| 1.4 | 256QAM | 3 | 1 | 20.86 | 20.84 | 20.89 | | |
| 1.4 | 256QAM | 3 | 3 | 20.83 | 20.83 | 20.85 | | |
| 1.4 | 256QAM | 6 | 0 | 19.69 | 19.71 | 19.74 | 22.8 | 0 |



<LTE Band 30>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 27710 | | | | |
| Frequency (MHz) | | | | 2310 | | | | |
| 10 | QPSK | 1 | 0 | | 23.15 | | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | | 23.11 | | | |
| 10 | QPSK | 1 | 49 | | 23.00 | | | |
| 10 | QPSK | 25 | 0 | | 22.09 | | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | | 22.15 | | | |
| 10 | QPSK | 25 | 25 | | 22.04 | | | |
| 10 | QPSK | 50 | 0 | | 22.08 | | 22.8 | 1 |
| 10 | 16QAM | 1 | 0 | | 22.79 | | | |
| 10 | 16QAM | 1 | 25 | | 22.65 | | | |
| 10 | 16QAM | 1 | 49 | | 22.60 | | 21.8 | 2 |
| 10 | 16QAM | 25 | 0 | | 21.04 | | | |
| 10 | 16QAM | 25 | 12 | | 21.14 | | | |
| 10 | 16QAM | 25 | 25 | | 21.07 | | 21.8 | 2 |
| 10 | 16QAM | 50 | 0 | | 21.01 | | | |
| 10 | 64QAM | 1 | 0 | | 21.03 | | | |
| 10 | 64QAM | 1 | 25 | | 21.10 | | 21.8 | 2 |
| 10 | 64QAM | 1 | 49 | | 20.98 | | | |
| 10 | 64QAM | 25 | 0 | | 19.80 | | | |
| 10 | 64QAM | 25 | 12 | | 19.87 | | 20.8 | 3 |
| 10 | 64QAM | 25 | 25 | | 19.77 | | | |
| 10 | 64QAM | 50 | 0 | | 19.79 | | | |
| 10 | 256QAM | 1 | 0 | | 21.03 | | 20.8 | 2 |
| 10 | 256QAM | 1 | 25 | | 21.10 | | | |
| 10 | 256QAM | 1 | 49 | | 20.98 | | | |
| 10 | 256QAM | 25 | 0 | | 19.80 | | 19.8 | 3 |
| 10 | 256QAM | 25 | 12 | | 19.87 | | | |
| 10 | 256QAM | 25 | 25 | | 19.77 | | | |
| 10 | 256QAM | 50 | 0 | | 19.79 | | | |
| Channel | | | | 27685 | 27710 | 27735 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | | |
| 5 | QPSK | 1 | 0 | 22.91 | 22.95 | 23.11 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 23.13 | 23.12 | 23.12 | | |
| 5 | QPSK | 1 | 24 | 22.97 | 23.10 | 22.95 | | |
| 5 | QPSK | 12 | 0 | 22.16 | 22.05 | 22.08 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.20 | 22.14 | 22.21 | | |
| 5 | QPSK | 12 | 13 | 22.19 | 22.07 | 22.13 | | |
| 5 | QPSK | 25 | 0 | 22.11 | 22.13 | 22.19 | 22.8 | 1 |
| 5 | 16QAM | 1 | 0 | 22.20 | 22.12 | 22.12 | | |
| 5 | 16QAM | 1 | 12 | 22.28 | 22.21 | 22.24 | | |
| 5 | 16QAM | 1 | 24 | 22.14 | 22.11 | 22.08 | 21.8 | 2 |
| 5 | 16QAM | 12 | 0 | 21.16 | 21.14 | 21.16 | | |
| 5 | 16QAM | 12 | 7 | 21.30 | 21.15 | 21.19 | | |
| 5 | 16QAM | 12 | 13 | 21.20 | 21.12 | 21.12 | 21.8 | 2 |
| 5 | 16QAM | 25 | 0 | 21.14 | 21.11 | 21.11 | | |
| 5 | 64QAM | 1 | 0 | 20.91 | 21.00 | 21.05 | | |
| 5 | 64QAM | 1 | 12 | 21.04 | 21.06 | 21.04 | 21.8 | 2 |
| 5 | 64QAM | 1 | 24 | 21.00 | 20.92 | 20.93 | | |
| 5 | 64QAM | 12 | 0 | 19.93 | 19.90 | 19.92 | | |
| 5 | 64QAM | 12 | 7 | 19.99 | 19.92 | 19.95 | 20.8 | 3 |
| 5 | 64QAM | 12 | 13 | 19.92 | 19.87 | 19.92 | | |
| 5 | 64QAM | 25 | 0 | 19.90 | 19.86 | 19.90 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 256QAM | 1 | 0 | 20.91 | 21.00 | 21.05 | 20.8 | 2 |
| 5 | 256QAM | 1 | 12 | 21.04 | 21.06 | 21.04 | | |
| 5 | 256QAM | 1 | 24 | 21.00 | 20.92 | 20.93 | | |
| 5 | 256QAM | 12 | 0 | 19.93 | 19.90 | 19.92 | 19.8 | 3 |
| 5 | 256QAM | 12 | 7 | 19.99 | 19.92 | 19.95 | | |
| 5 | 256QAM | 12 | 13 | 19.92 | 19.87 | 19.92 | | |
| 5 | 256QAM | 25 | 0 | 19.90 | 19.86 | 19.90 | | |



<LTE Band 66>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 132072 | 132322 | 132572 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | QPSK | 1 | 0 | 19.00 | 19.11 | 19.05 | 19.8 | 0 |
| 20 | QPSK | 1 | 49 | 18.91 | 19.03 | 19.06 | | |
| 20 | QPSK | 1 | 99 | 18.78 | 18.84 | 18.88 | | |
| 20 | QPSK | 50 | 0 | 18.96 | 19.08 | 19.10 | 19.8 | 0 |
| 20 | QPSK | 50 | 24 | 19.05 | 19.09 | 19.08 | | |
| 20 | QPSK | 50 | 50 | 18.97 | 19.04 | 19.04 | | |
| 20 | QPSK | 100 | 0 | 19.00 | 19.05 | 19.02 | 19.8 | 0 |
| 20 | 16QAM | 1 | 0 | 18.81 | 18.90 | 18.92 | | |
| 20 | 16QAM | 1 | 49 | 18.94 | 18.94 | 18.97 | | |
| 20 | 16QAM | 1 | 99 | 18.78 | 18.87 | 18.80 | 19.8 | 0 |
| 20 | 16QAM | 50 | 0 | 18.80 | 18.91 | 18.92 | | |
| 20 | 16QAM | 50 | 24 | 18.90 | 18.95 | 18.93 | | |
| 20 | 16QAM | 50 | 50 | 18.76 | 18.87 | 18.90 | 19.8 | 0 |
| 20 | 16QAM | 100 | 0 | 18.79 | 18.84 | 18.95 | | |
| 20 | 64QAM | 1 | 0 | 18.79 | 18.73 | 18.89 | | |
| 20 | 64QAM | 1 | 49 | 18.96 | 18.95 | 18.92 | 19.8 | 0 |
| 20 | 64QAM | 1 | 99 | 18.71 | 18.70 | 18.96 | | |
| 20 | 64QAM | 50 | 0 | 18.79 | 18.94 | 18.94 | | |
| 20 | 64QAM | 50 | 24 | 18.88 | 18.99 | 18.95 | 19.8 | 0 |
| 20 | 64QAM | 50 | 50 | 18.77 | 18.89 | 18.88 | | |
| 20 | 64QAM | 100 | 0 | 18.80 | 18.88 | 18.90 | | |
| 20 | 256QAM | 1 | 0 | 18.40 | 18.49 | 18.45 | 18.8 | 0 |
| 20 | 256QAM | 1 | 49 | 18.31 | 18.43 | 18.46 | | |
| 20 | 256QAM | 1 | 99 | 18.18 | 18.24 | 18.28 | | |
| 20 | 256QAM | 50 | 0 | 18.36 | 18.48 | 18.50 | 18.8 | 0 |
| 20 | 256QAM | 50 | 24 | 18.45 | 18.49 | 18.48 | | |
| 20 | 256QAM | 50 | 50 | 18.37 | 18.44 | 18.44 | | |
| 20 | 256QAM | 100 | 0 | 18.40 | 18.45 | 18.42 | | |
| Channel | | | | 132047 | 132322 | 132597 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK | 1 | 0 | 18.58 | 18.76 | 18.94 | 19.8 | 0 |
| 15 | QPSK | 1 | 37 | 18.65 | 18.80 | 18.82 | | |
| 15 | QPSK | 1 | 74 | 18.54 | 18.65 | 18.78 | | |
| 15 | QPSK | 36 | 0 | 18.77 | 18.90 | 18.95 | 19.8 | 0 |
| 15 | QPSK | 36 | 20 | 18.87 | 18.91 | 19.00 | | |
| 15 | QPSK | 36 | 39 | 18.76 | 18.89 | 18.88 | | |
| 15 | QPSK | 75 | 0 | 18.77 | 18.85 | 18.96 | 19.8 | 0 |
| 15 | 16QAM | 1 | 0 | 18.92 | 18.94 | 18.94 | | |
| 15 | 16QAM | 1 | 37 | 19.01 | 18.96 | 18.94 | | |
| 15 | 16QAM | 1 | 74 | 18.80 | 18.89 | 18.88 | 19.8 | 0 |
| 15 | 16QAM | 36 | 0 | 18.77 | 18.99 | 18.96 | | |
| 15 | 16QAM | 36 | 20 | 18.85 | 18.97 | 18.93 | | |
| 15 | 16QAM | 36 | 39 | 18.76 | 18.90 | 18.91 | 19.8 | 0 |
| 15 | 16QAM | 75 | 0 | 18.82 | 18.86 | 18.98 | | |
| 15 | 64QAM | 1 | 0 | 18.80 | 18.95 | 18.89 | | |
| 15 | 64QAM | 1 | 37 | 18.92 | 18.92 | 18.96 | 19.8 | 0 |
| 15 | 64QAM | 1 | 74 | 18.73 | 18.88 | 18.89 | | |
| 15 | 64QAM | 36 | 0 | 18.80 | 18.97 | 18.80 | | |
| 15 | 64QAM | 36 | 20 | 18.89 | 18.95 | 18.80 | 19.8 | 0 |
| 15 | 64QAM | 36 | 39 | 18.81 | 18.90 | 18.81 | | |
| 15 | 64QAM | 75 | 0 | 18.84 | 18.90 | 18.76 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 18.37 | 18.48 | 18.44 | 18.8 | 0 |
| 15 | 256QAM | 1 | 37 | 18.31 | 18.37 | 18.40 | | |
| 15 | 256QAM | 1 | 74 | 18.16 | 18.21 | 18.27 | | |
| 15 | 256QAM | 36 | 0 | 18.34 | 18.45 | 18.43 | 18.8 | 0 |
| 15 | 256QAM | 36 | 20 | 18.45 | 18.43 | 18.46 | | |
| 15 | 256QAM | 36 | 39 | 18.30 | 18.41 | 18.37 | | |
| 15 | 256QAM | 75 | 0 | 18.38 | 18.38 | 18.35 | | |
| Channel | | | | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 18.35 | 18.65 | 18.61 | 19.8 | 0 |
| 10 | QPSK | 1 | 25 | 18.64 | 18.85 | 18.81 | | |
| 10 | QPSK | 1 | 49 | 18.43 | 18.58 | 18.58 | | |
| 10 | QPSK | 25 | 0 | 18.69 | 18.85 | 18.85 | 19.8 | 0 |
| 10 | QPSK | 25 | 12 | 18.81 | 18.90 | 18.98 | | |
| 10 | QPSK | 25 | 25 | 18.73 | 18.88 | 18.85 | | |
| 10 | QPSK | 50 | 0 | 18.78 | 18.82 | 18.85 | | |
| 10 | 16QAM | 1 | 0 | 18.69 | 18.75 | 18.73 | | |
| 10 | 16QAM | 1 | 25 | 18.95 | 18.96 | 19.01 | | |
| 10 | 16QAM | 1 | 49 | 18.67 | 18.69 | 18.73 | 19.8 | 0 |
| 10 | 16QAM | 25 | 0 | 18.74 | 18.85 | 18.85 | | |
| 10 | 16QAM | 25 | 12 | 18.85 | 18.95 | 18.99 | | |
| 10 | 16QAM | 25 | 25 | 18.71 | 18.89 | 18.87 | | |
| 10 | 16QAM | 50 | 0 | 18.79 | 18.84 | 18.87 | | |
| 10 | 64QAM | 1 | 0 | 18.38 | 18.64 | 18.57 | | |
| 10 | 64QAM | 1 | 25 | 18.80 | 18.96 | 18.96 | 19.8 | 0 |
| 10 | 64QAM | 1 | 49 | 18.50 | 18.70 | 18.62 | | |
| 10 | 64QAM | 25 | 0 | 18.74 | 18.88 | 18.91 | | |
| 10 | 64QAM | 25 | 12 | 18.87 | 18.95 | 19.03 | 19.8 | 0 |
| 10 | 64QAM | 25 | 25 | 18.77 | 18.88 | 18.90 | | |
| 10 | 64QAM | 50 | 0 | 18.79 | 18.87 | 18.89 | | |
| 10 | 256QAM | 1 | 0 | 18.28 | 18.47 | 18.40 | | |
| 10 | 256QAM | 1 | 25 | 18.27 | 18.35 | 18.38 | | |
| 10 | 256QAM | 1 | 49 | 18.11 | 18.18 | 18.19 | 18.8 | 0 |
| 10 | 256QAM | 25 | 0 | 18.29 | 18.38 | 18.33 | | |
| 10 | 256QAM | 25 | 12 | 18.39 | 18.41 | 18.40 | | |
| 10 | 256QAM | 25 | 25 | 18.24 | 18.33 | 18.31 | | |
| 10 | 256QAM | 50 | 0 | 18.28 | 18.34 | 18.27 | | |
| Channel | | | | 131997 | 132322 | 132647 | | |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 18.73 | 18.77 | 18.84 | 19.8 | 0 |
| 5 | QPSK | 1 | 12 | 18.72 | 18.90 | 18.88 | | |
| 5 | QPSK | 1 | 24 | 18.63 | 18.76 | 18.79 | | |
| 5 | QPSK | 12 | 0 | 18.84 | 18.94 | 18.94 | 19.8 | 0 |
| 5 | QPSK | 12 | 7 | 18.83 | 18.97 | 18.91 | | |
| 5 | QPSK | 12 | 13 | 18.78 | 18.90 | 18.89 | | |
| 5 | QPSK | 25 | 0 | 18.77 | 18.88 | 18.89 | | |
| 5 | 16QAM | 1 | 0 | 18.85 | 18.89 | 18.97 | | |
| 5 | 16QAM | 1 | 12 | 18.79 | 18.90 | 18.98 | 19.8 | 0 |
| 5 | 16QAM | 1 | 24 | 18.72 | 18.89 | 18.86 | | |
| 5 | 16QAM | 12 | 0 | 18.88 | 18.98 | 18.99 | | |
| 5 | 16QAM | 12 | 7 | 18.87 | 19.03 | 18.99 | 19.8 | 0 |
| 5 | 16QAM | 12 | 13 | 18.81 | 18.96 | 18.93 | | |
| 5 | 16QAM | 25 | 0 | 18.81 | 18.93 | 18.90 | | |
| 5 | 64QAM | 1 | 0 | 18.81 | 18.87 | 18.91 | | |
| 5 | 64QAM | 1 | 12 | 18.75 | 18.91 | 18.92 | | |
| 5 | 64QAM | 1 | 24 | 18.67 | 18.83 | 18.85 | 19.8 | 0 |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | | | |
|-----------------|--------|----|----|--------|--------|--------|------|---|---------------------|----------|
| 5 | 64QAM | 12 | 0 | 18.92 | 19.03 | 19.03 | 19.8 | 0 | | |
| 5 | 64QAM | 12 | 7 | 18.89 | 19.05 | 19.00 | | | | |
| 5 | 64QAM | 12 | 13 | 18.81 | 19.01 | 19.01 | | | | |
| 5 | 64QAM | 25 | 0 | 18.84 | 18.92 | 18.94 | 18.8 | 0 | | |
| 5 | 256QAM | 1 | 0 | 18.24 | 18.47 | 18.35 | | | | |
| 5 | 256QAM | 1 | 12 | 18.26 | 18.29 | 18.32 | | | | |
| 5 | 256QAM | 1 | 24 | 18.07 | 18.16 | 18.11 | 18.8 | 0 | | |
| 5 | 256QAM | 12 | 0 | 18.27 | 18.35 | 18.24 | | | | |
| 5 | 256QAM | 12 | 7 | 18.36 | 18.40 | 18.39 | | | | |
| 5 | 256QAM | 12 | 13 | 18.18 | 18.27 | 18.27 | 18.8 | 0 | | |
| 5 | 256QAM | 25 | 0 | 18.28 | 18.31 | 18.27 | | | | |
| Channel | | | | 131987 | 132322 | 132657 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | | | |
| 3 | QPSK | 1 | 0 | 18.75 | 18.84 | 18.91 | 19.8 | 0 | | |
| 3 | QPSK | 1 | 8 | 18.77 | 18.91 | 18.88 | | | | |
| 3 | QPSK | 1 | 14 | 18.63 | 18.81 | 18.76 | | | | |
| 3 | QPSK | 8 | 0 | 18.85 | 18.94 | 18.96 | 19.8 | 0 | | |
| 3 | QPSK | 8 | 4 | 18.85 | 18.99 | 18.97 | | | | |
| 3 | QPSK | 8 | 7 | 18.75 | 18.91 | 18.92 | | | | |
| 3 | QPSK | 15 | 0 | 18.79 | 18.86 | 18.91 | 19.8 | 0 | | |
| 3 | 16QAM | 1 | 0 | 18.92 | 18.99 | 19.00 | | | | |
| 3 | 16QAM | 1 | 8 | 18.90 | 18.93 | 18.93 | | | | |
| 3 | 16QAM | 1 | 14 | 18.82 | 18.95 | 18.87 | 19.8 | 0 | | |
| 3 | 16QAM | 8 | 0 | 18.73 | 18.77 | 18.85 | | | | |
| 3 | 16QAM | 8 | 4 | 18.69 | 18.82 | 18.83 | | | | |
| 3 | 16QAM | 8 | 7 | 18.64 | 18.79 | 18.78 | 19.8 | 0 | | |
| 3 | 16QAM | 15 | 0 | 18.63 | 18.76 | 18.75 | | | | |
| 3 | 64QAM | 1 | 0 | 18.81 | 18.86 | 19.00 | | | | |
| 3 | 64QAM | 1 | 8 | 18.84 | 18.96 | 19.00 | 19.8 | 0 | | |
| 3 | 64QAM | 1 | 14 | 18.70 | 18.83 | 18.89 | | | | |
| 3 | 64QAM | 8 | 0 | 18.74 | 18.79 | 18.86 | | | | |
| 3 | 64QAM | 8 | 4 | 18.73 | 18.88 | 18.86 | 19.8 | 0 | | |
| 3 | 64QAM | 8 | 7 | 18.67 | 18.77 | 18.76 | | | | |
| 3 | 64QAM | 15 | 0 | 18.63 | 18.71 | 18.78 | | | | |
| 3 | 256QAM | 1 | 0 | 18.21 | 18.45 | 18.30 | 18.8 | 0 | | |
| 3 | 256QAM | 1 | 8 | 18.16 | 18.27 | 18.25 | | | | |
| 3 | 256QAM | 1 | 14 | 18.00 | 18.11 | 18.06 | | | | |
| 3 | 256QAM | 8 | 0 | 18.21 | 18.31 | 18.23 | 18.8 | 0 | | |
| 3 | 256QAM | 8 | 4 | 18.36 | 18.32 | 18.31 | | | | |
| 3 | 256QAM | 8 | 7 | 18.16 | 18.17 | 18.17 | | | | |
| 3 | 256QAM | 15 | 0 | 18.24 | 18.28 | 18.21 | 18.8 | 0 | | |
| Channel | | | | 131979 | 132322 | 132665 | | | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 18.64 | 18.83 | 18.80 | 19.8 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 18.70 | 18.86 | 18.85 | | | | |
| 1.4 | QPSK | 1 | 5 | 18.59 | 18.74 | 18.74 | | | | |
| 1.4 | QPSK | 3 | 0 | 18.66 | 18.79 | 18.89 | 19.8 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 18.66 | 18.83 | 18.83 | | | | |
| 1.4 | QPSK | 3 | 3 | 18.65 | 18.77 | 18.77 | | | | |
| 1.4 | QPSK | 6 | 0 | 18.72 | 18.89 | 18.88 | 19.8 | 0 | | |
| 1.4 | 16QAM | 1 | 0 | 18.79 | 18.97 | 18.92 | 19.8 | 0 | | |
| 1.4 | 16QAM | 1 | 3 | 18.88 | 18.87 | 18.94 | | | | |
| 1.4 | 16QAM | 1 | 5 | 18.81 | 18.90 | 18.92 | | | | |
| 1.4 | 16QAM | 3 | 0 | 18.58 | 18.69 | 18.72 | 19.8 | 0 | | |
| 1.4 | 16QAM | 3 | 1 | 18.64 | 18.74 | 18.75 | | | | |
| 1.4 | 16QAM | 3 | 3 | 18.53 | 18.63 | 18.67 | | | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

| | | | | | | | | |
|-----|--------|---|---|-------|-------|-------|------|---|
| 1.4 | 16QAM | 6 | 0 | 18.83 | 18.99 | 18.98 | 19.8 | 0 |
| 1.4 | 64QAM | 1 | 0 | 18.65 | 18.86 | 18.61 | 19.8 | 0 |
| 1.4 | 64QAM | 1 | 3 | 18.71 | 18.93 | 18.67 | | |
| 1.4 | 64QAM | 1 | 5 | 18.59 | 18.79 | 18.64 | | |
| 1.4 | 64QAM | 3 | 0 | 18.71 | 18.89 | 18.59 | | |
| 1.4 | 64QAM | 3 | 1 | 18.73 | 18.86 | 18.59 | | |
| 1.4 | 64QAM | 3 | 3 | 18.66 | 18.85 | 18.59 | | |
| 1.4 | 64QAM | 6 | 0 | 18.75 | 18.91 | 18.69 | 19.8 | 0 |
| 1.4 | 256QAM | 1 | 0 | 18.12 | 18.45 | 18.22 | 18.8 | 0 |
| 1.4 | 256QAM | 1 | 3 | 18.11 | 18.25 | 18.15 | | |
| 1.4 | 256QAM | 1 | 5 | 17.91 | 18.05 | 18.01 | | |
| 1.4 | 256QAM | 3 | 0 | 18.20 | 18.24 | 18.18 | | |
| 1.4 | 256QAM | 3 | 1 | 18.30 | 18.27 | 18.30 | | |
| 1.4 | 256QAM | 3 | 3 | 18.08 | 18.11 | 18.12 | | |
| 1.4 | 256QAM | 6 | 0 | 18.20 | 18.22 | 18.15 | 18.8 | 0 |



<LTE Band 71>

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 133222 | 133322 | 133372 | | |
| Frequency (MHz) | | | | 673 | 683 | 688 | | |
| 20 | QPSK | 1 | 0 | 23.58 | 23.65 | 23.62 | 23.8 | 0 |
| 20 | QPSK | 1 | 49 | 23.55 | 23.62 | 23.55 | | |
| 20 | QPSK | 1 | 99 | 23.42 | 23.45 | 23.47 | | |
| 20 | QPSK | 50 | 0 | 22.53 | 22.66 | 22.61 | 22.8 | 1 |
| 20 | QPSK | 50 | 24 | 22.51 | 22.69 | 22.53 | | |
| 20 | QPSK | 50 | 50 | 22.46 | 22.55 | 22.48 | | |
| 20 | QPSK | 100 | 0 | 22.43 | 22.49 | 22.46 | 22.8 | 1 |
| 20 | 16QAM | 1 | 0 | 22.65 | 22.67 | 22.52 | | |
| 20 | 16QAM | 1 | 49 | 22.56 | 22.61 | 22.57 | | |
| 20 | 16QAM | 1 | 99 | 22.47 | 22.52 | 22.44 | 21.8 | 2 |
| 20 | 16QAM | 50 | 0 | 21.59 | 21.66 | 21.53 | | |
| 20 | 16QAM | 50 | 24 | 21.48 | 21.59 | 21.50 | | |
| 20 | 16QAM | 50 | 50 | 21.46 | 21.53 | 21.56 | 21.8 | 2 |
| 20 | 16QAM | 100 | 0 | 21.38 | 21.40 | 21.44 | | |
| 20 | 64QAM | 1 | 0 | 21.59 | 21.73 | 21.71 | | |
| 20 | 64QAM | 1 | 49 | 21.62 | 21.66 | 21.63 | 21.8 | 2 |
| 20 | 64QAM | 1 | 99 | 21.68 | 21.62 | 21.61 | | |
| 20 | 64QAM | 50 | 0 | 20.48 | 20.60 | 20.57 | | |
| 20 | 64QAM | 50 | 24 | 20.57 | 20.65 | 20.54 | 20.8 | 3 |
| 20 | 64QAM | 50 | 50 | 20.60 | 20.57 | 20.43 | | |
| 20 | 64QAM | 100 | 0 | 20.46 | 20.46 | 20.50 | | |
| 20 | 256QAM | 1 | 0 | 21.59 | 21.73 | 21.71 | 20.8 | 2 |
| 20 | 256QAM | 1 | 49 | 21.62 | 21.66 | 21.63 | | |
| 20 | 256QAM | 1 | 99 | 21.68 | 21.62 | 21.61 | | |
| 20 | 256QAM | 50 | 0 | 20.48 | 20.60 | 20.57 | 19.8 | 3 |
| 20 | 256QAM | 50 | 24 | 20.57 | 20.65 | 20.54 | | |
| 20 | 256QAM | 50 | 50 | 20.60 | 20.57 | 20.43 | | |
| 20 | 256QAM | 100 | 0 | 20.46 | 20.46 | 20.50 | | |
| Channel | | | | 133197 | 133297 | 133397 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 670.5 | 680.5 | 690.5 | | |
| 15 | QPSK | 1 | 0 | 23.55 | 23.61 | 23.59 | 23.8 | 0 |
| 15 | QPSK | 1 | 37 | 23.51 | 23.56 | 23.53 | | |
| 15 | QPSK | 1 | 74 | 23.44 | 23.40 | 23.33 | | |
| 15 | QPSK | 36 | 0 | 22.64 | 22.69 | 22.71 | 22.8 | 1 |
| 15 | QPSK | 36 | 20 | 22.56 | 22.60 | 22.63 | | |
| 15 | QPSK | 36 | 39 | 22.52 | 22.57 | 22.49 | | |
| 15 | QPSK | 75 | 0 | 22.52 | 22.54 | 22.45 | 22.8 | 1 |
| 15 | 16QAM | 1 | 0 | 22.77 | 22.73 | 22.65 | | |
| 15 | 16QAM | 1 | 37 | 22.73 | 22.60 | 22.78 | | |
| 15 | 16QAM | 1 | 74 | 22.54 | 22.77 | 22.67 | 21.8 | 2 |
| 15 | 16QAM | 36 | 0 | 21.78 | 21.71 | 21.77 | | |
| 15 | 16QAM | 36 | 20 | 21.59 | 21.68 | 21.56 | | |
| 15 | 16QAM | 36 | 39 | 21.56 | 21.62 | 21.52 | 21.8 | 2 |
| 15 | 16QAM | 75 | 0 | 21.44 | 21.58 | 21.49 | | |
| 15 | 64QAM | 1 | 0 | 21.70 | 21.66 | 21.80 | | |
| 15 | 64QAM | 1 | 37 | 21.68 | 21.62 | 21.67 | 21.8 | 2 |
| 15 | 64QAM | 1 | 74 | 21.57 | 21.57 | 21.62 | | |
| 15 | 64QAM | 36 | 0 | 20.41 | 20.58 | 20.55 | | |
| 15 | 64QAM | 36 | 20 | 20.56 | 20.61 | 20.54 | 20.8 | 3 |
| 15 | 64QAM | 36 | 39 | 20.48 | 20.55 | 20.55 | | |
| 15 | 64QAM | 75 | 0 | 20.53 | 20.41 | 20.49 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15 | 256QAM | 1 | 0 | 21.70 | 21.66 | 21.80 | 20.8 | 2 |
| 15 | 256QAM | 1 | 37 | 21.68 | 21.62 | 21.67 | | |
| 15 | 256QAM | 1 | 74 | 21.57 | 21.57 | 21.62 | | |
| 15 | 256QAM | 36 | 0 | 20.41 | 20.58 | 20.55 | 19.8 | 3 |
| 15 | 256QAM | 36 | 20 | 20.56 | 20.61 | 20.54 | | |
| 15 | 256QAM | 36 | 39 | 20.48 | 20.55 | 20.55 | | |
| 15 | 256QAM | 75 | 0 | 20.53 | 20.41 | 20.49 | | |
| Channel | | | | 133172 | 133272 | 133422 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 668 | 678 | 693 | | |
| 10 | QPSK | 1 | 0 | 23.44 | 23.49 | 23.50 | 23.8 | 0 |
| 10 | QPSK | 1 | 25 | 23.35 | 23.37 | 23.45 | | |
| 10 | QPSK | 1 | 49 | 23.29 | 23.21 | 23.32 | | |
| 10 | QPSK | 25 | 0 | 22.42 | 22.40 | 22.44 | 22.8 | 1 |
| 10 | QPSK | 25 | 12 | 22.46 | 22.51 | 22.56 | | |
| 10 | QPSK | 25 | 25 | 22.50 | 22.46 | 22.45 | | |
| 10 | QPSK | 50 | 0 | 22.34 | 22.43 | 22.39 | | |
| 10 | 16QAM | 1 | 0 | 22.64 | 22.71 | 22.57 | 22.8 | 1 |
| 10 | 16QAM | 1 | 25 | 22.59 | 22.56 | 22.62 | | |
| 10 | 16QAM | 1 | 49 | 22.73 | 22.52 | 22.53 | | |
| 10 | 16QAM | 25 | 0 | 21.30 | 21.54 | 21.44 | 21.8 | 2 |
| 10 | 16QAM | 25 | 12 | 21.38 | 21.47 | 21.50 | | |
| 10 | 16QAM | 25 | 25 | 21.40 | 21.43 | 21.40 | | |
| 10 | 16QAM | 50 | 0 | 21.25 | 21.36 | 21.44 | | |
| 10 | 64QAM | 1 | 0 | 21.45 | 21.55 | 21.63 | 21.8 | 2 |
| 10 | 64QAM | 1 | 25 | 21.56 | 21.45 | 21.52 | | |
| 10 | 64QAM | 1 | 49 | 21.60 | 21.51 | 21.44 | | |
| 10 | 64QAM | 25 | 0 | 20.27 | 20.26 | 20.41 | 20.8 | 3 |
| 10 | 64QAM | 25 | 12 | 20.48 | 20.45 | 20.34 | | |
| 10 | 64QAM | 25 | 25 | 20.31 | 20.35 | 20.40 | | |
| 10 | 64QAM | 50 | 0 | 20.32 | 20.35 | 20.33 | | |
| 10 | 256QAM | 1 | 0 | 21.45 | 21.55 | 21.63 | 20.8 | 2 |
| 10 | 256QAM | 1 | 25 | 21.56 | 21.45 | 21.52 | | |
| 10 | 256QAM | 1 | 49 | 21.60 | 21.51 | 21.44 | | |
| 10 | 256QAM | 25 | 0 | 20.27 | 20.26 | 20.41 | 19.8 | 3 |
| 10 | 256QAM | 25 | 12 | 20.48 | 20.45 | 20.34 | | |
| 10 | 256QAM | 25 | 25 | 20.31 | 20.35 | 20.40 | | |
| 10 | 256QAM | 50 | 0 | 20.32 | 20.35 | 20.33 | | |
| Channel | | | | 133147 | 133247 | 133447 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 665.5 | 675.5 | 695.5 | | |
| 5 | QPSK | 1 | 0 | 23.45 | 23.50 | 23.53 | 23.8 | 0 |
| 5 | QPSK | 1 | 12 | 23.43 | 23.40 | 23.43 | | |
| 5 | QPSK | 1 | 24 | 23.29 | 23.39 | 23.40 | | |
| 5 | QPSK | 12 | 0 | 22.56 | 22.43 | 22.45 | 22.8 | 1 |
| 5 | QPSK | 12 | 7 | 22.41 | 22.39 | 22.34 | | |
| 5 | QPSK | 12 | 13 | 22.50 | 22.48 | 22.43 | | |
| 5 | QPSK | 25 | 0 | 22.39 | 22.43 | 22.39 | | |
| 5 | 16QAM | 1 | 0 | 22.52 | 22.49 | 22.51 | 22.8 | 1 |
| 5 | 16QAM | 1 | 12 | 22.53 | 22.43 | 22.39 | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.46 | 22.33 | | |
| 5 | 16QAM | 12 | 0 | 21.44 | 21.37 | 21.42 | 21.8 | 2 |
| 5 | 16QAM | 12 | 7 | 21.50 | 21.48 | 21.43 | | |
| 5 | 16QAM | 12 | 13 | 21.39 | 21.43 | 21.39 | | |
| 5 | 16QAM | 25 | 0 | 21.34 | 21.44 | 21.29 | | |
| 5 | 64QAM | 1 | 0 | 21.40 | 21.27 | 21.31 | 21.8 | 2 |
| 5 | 64QAM | 1 | 12 | 21.44 | 21.47 | 21.37 | | |
| 5 | 64QAM | 1 | 24 | 21.48 | 21.52 | 21.44 | | |



FCC SAR TEST REPORT

Report No. : FA9N2025-02

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|---|--------|----|----|-------|-------|-------|------|---|
| 5 | 64QAM | 12 | 0 | 20.31 | 20.34 | 20.25 | 20.8 | 3 |
| 5 | 64QAM | 12 | 7 | 20.36 | 20.43 | 20.40 | | |
| 5 | 64QAM | 12 | 13 | 20.38 | 20.41 | 20.34 | | |
| 5 | 64QAM | 25 | 0 | 20.41 | 20.43 | 20.23 | 20.8 | 2 |
| 5 | 256QAM | 1 | 0 | 21.40 | 21.27 | 21.31 | | |
| 5 | 256QAM | 1 | 12 | 21.44 | 21.47 | 21.37 | | |
| 5 | 256QAM | 1 | 24 | 21.48 | 21.52 | 21.44 | 19.8 | 3 |
| 5 | 256QAM | 12 | 0 | 20.31 | 20.34 | 20.25 | | |
| 5 | 256QAM | 12 | 7 | 20.36 | 20.43 | 20.40 | | |
| 5 | 256QAM | 12 | 13 | 20.38 | 20.41 | 20.34 | | |
| 5 | 256QAM | 25 | 0 | 20.41 | 20.43 | 20.23 | | |