

# TEST REPORT

**REPORT NUMBER: I22W00046-LTE RF-Rev2**

**ON**

**Type of Equipment:** LTE Module  
**Type of Designation:** L508  
**Brand Name:** LYNQ  
**Manufacturer:** Shanghai MobileTek Communication Ltd.  
**FCC ID:** 2AK9DL508

## **ACCORDING TO**

**FCC CFR Part 2, FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS;  
GENERAL RULES AND REGULATIONS, e-CFR, 2019  
PART 22, PUBLIC MOBILE SERVICES, e-CFR, 2019  
PART 24, PERSONAL COMMUNICATIONS SERVICES, e-CFR, 2019  
PART 27, MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES, e-CFR, 2019  
ANSI C63.26-2015**

**Chongqing Academy of Information and Communications Technology**

*Month date, year*

*Jul, 27, 2022*

*Signature*



**Xiang Luoyong**  
**Director**

## **Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of Chongqing Academy of Information and Communications Technology.



**Report No.: I22W00046-LTE RF-Rev2**

**Revision Version**

| <b>Report Number</b>  | <b>Revision</b> | <b>Date</b> | <b>Memo</b>                     |
|-----------------------|-----------------|-------------|---------------------------------|
| I22W00046-LTE-WWAN    | 00              | 2022-06-27  | Initial creation of test report |
| I22W00046-LTE RF-Rev1 | 01              | 2022-07-22  | First creation of test report   |
| I22W00046-LTE RF-Rev2 | 02              | 2022-07-27  | Second creation of test report  |

**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

## CONTENTS

|                                                                 |    |
|-----------------------------------------------------------------|----|
| 1. Test Laboratory.....                                         | 5  |
| 1.1. Testing Location.....                                      | 5  |
| 1.2. Testing Environment.....                                   | 5  |
| 1.3. Project data.....                                          | 5  |
| 1.4. Signature.....                                             | 5  |
| 2. Client Information.....                                      | 6  |
| 2.1. Applicant Information.....                                 | 6  |
| 2.2. Manufacturer Information.....                              | 6  |
| 3. Equipment under Test (EUT) and Ancillary Equipment (AE)..... | 7  |
| 3.1. About EUT.....                                             | 7  |
| 3.2. Internal Identification of EUT used during the test.....   | 7  |
| 3.3. Outline of Equipment under Test.....                       | 8  |
| 3.4. Internal Identification of AE used during the test.....    | 8  |
| 4. Reference Documents.....                                     | 9  |
| 4.1. Documents supplied by applicant.....                       | 9  |
| 4.2. Reference Documents for testing.....                       | 9  |
| 5. Test Equipments Utilized.....                                | 10 |
| 5.1. RF Test System.....                                        | 10 |
| 5.2. RSE Test System.....                                       | 10 |
| 5.3. Climate Chamber.....                                       | 10 |
| 5.4. Vibration table.....                                       | 10 |
| 5.5. Test software.....                                         | 11 |
| 6. Test Results.....                                            | 12 |
| 6.1. Summary of Test Results.....                               | 12 |
| 6.2. Conducted RF Power Output.....                             | 13 |
| 6.2.1 Conducted RF Power Output Results.....                    | 15 |

### Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| 6.3. ERP and EIRP.....                                            | 28  |
| 6.3.1 LTE Band 2 result.....                                      | 29  |
| 6.3.2 LTE Band 5 result.....                                      | 33  |
| 6.3.3 LTE Band 7 result.....                                      | 36  |
| 6.3.4 LTE Band 66 result.....                                     | 39  |
| 6.4. Occupied Bandwidth.....                                      | 43  |
| 6.4.1 occupied bandwidth Results.....                             | 44  |
| 6.5. Conducted spurious emissions.....                            | 166 |
| 6.5.1 Conducted Spurious Emission Results.....                    | 168 |
| 6.6. Radiated Spurious Emission.....                              | 174 |
| 6.6.1 LTE Radiated Spurious Emission Results.....                 | 177 |
| 6.7. Band Edge.....                                               | 182 |
| 6.7.1 Band Edge Results.....                                      | 184 |
| 6.8. Frequency Stability.....                                     | 200 |
| 6.8.1 Frequency Stability over Temperature Variation Results..... | 201 |
| 6.9. Peak to Average Ratio.....                                   | 203 |
| 6.9.1 Peak to Average Ratio Results.....                          | 204 |
| Annex A EUT Photos.....                                           | 218 |
| ANNEX B Deviations from Prescribed Test Methods.....              | 219 |

## 1. Test Laboratory

### 1.1. Testing Location

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| Name:                    | Chongqing Academy of Information and Communications Technology                                  |
| FCC Registration number: | CN1239                                                                                          |
| Address:                 | No.19 East Road, Xiantao Big-data Valley, Yubei District, Chongqing, People's Republic of China |
| Postal Code:             | 401336                                                                                          |
| Telephone:               | 0086-23-88069965                                                                                |
| Fax:                     | 0086-23-88608777                                                                                |

### 1.2. Testing Environment

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

### 1.3. Project data

|                     |            |
|---------------------|------------|
| Testing Start Date: | 2022-06-09 |
| Testing End Date:   | 2022-07-22 |

### 1.4. Signature



2022-07-27

**Dong Junxin**  
(Prepared this test report)

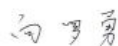
**Date**



2022-07-27

**Li Xu**  
(Reviewed this test report)

**Date**



2022-07-27

**Xiang Luoyong**  
Director of the laboratory  
(Approved this test report)

**Date**

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

## 2. Client Information

### 2.1. Applicant Information

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| Company Name:   | Shanghai MobileTek Communication Ltd.                                  |
| Address /Post:  | Free Trade Zone No. 33, No. 17 building 6H3 Xiya Road China (Shanghai) |
| City:           | Shanghai                                                               |
| Country:        | China                                                                  |
| Telephone:      | 15821966417                                                            |
| Fax:            | --                                                                     |
| Email:          | qh.zhang@mobiletek.cn                                                  |
| Contact Person: | Qinghua Zhang                                                          |

### 2.2. Manufacturer Information

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| Company Name:   | Shanghai MobileTek Communication Ltd.                                  |
| Address /Post:  | Free Trade Zone No. 33, No. 17 building 6H3 Xiya Road China (Shanghai) |
| City:           | Shanghai                                                               |
| Country:        | China                                                                  |
| Telephone:      | 15821966417                                                            |
| Fax:            | --                                                                     |
| Email:          | qh.zhang@mobiletek.cn                                                  |
| Contact Person: | Qinghua Zhang                                                          |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### 3. Equipment under Test (EUT) and Ancillary Equipment (AE)

#### 3.1. About EUT

|                      |                      |
|----------------------|----------------------|
| EUT Description      | LTE Module           |
| Model name           | L508                 |
| Brand name           | LYNQ                 |
| GSM Frequency Band   | 2/5                  |
| WCDMA Frequency Band | 2/4/5                |
| LTE Frequency Band   | 2/4/5/7/66           |
| Type of modulation   | GMSK/8PSK/QPSK/16QAM |
| Extreme Temperature  | -40/+85°C            |
| Nominal Voltage      | 3.8                  |
| Extreme High Voltage | 4.6                  |
| Extreme Low Voltage  | 3.2                  |

Note: Photographs of EUT are shown in ANNEX A of this test report.

Note: High and low voltage values in extreme condition test are given by manufacturer.

#### 3.2. Internal Identification of EUT used during the test

| EUT ID | SN or IMEI      | HW Version | SW Version       | Date of receipt |
|--------|-----------------|------------|------------------|-----------------|
| S1     | 864788050910772 | V2         | L508v01.01b02.00 | 2022-06-08      |
| S3     | 864788050032635 | V2         | L508v01.01b02.00 | 2022-06-08      |

\*EUT ID: is used to identify the test sample in the lab internally.

### 3.3. Outline of Equipment under Test

| Technology | Band | UL Freq.(MHz) | DL Freq.(MHz) | Note |
|------------|------|---------------|---------------|------|
| GSM        | B2   | 1850.2-1909.8 | 1930.2-1989.8 | --   |
|            | B5   | 824.2-848.8   | 869.2-893.8   | --   |
| WCDMA      | B2   | 1852.4-1907.6 | 1932.4-1987.6 | --   |
|            | B4   | 1712.4-1752.6 | 2112.4-2152.6 | --   |
|            | B5   | 826.4-846.6   | 871.4-891.6   | --   |
| LTE        | B2   | 1850-1909.9   | 1930-1989.9   | --   |
|            | B4   | 1710-1754.9   | 2110-2154.9   | --   |
|            | B5   | 824-848.9     | 869-893.9     | --   |
|            | B7   | 2500-2569.9   | 2620-2689.9   | --   |
|            | B66  | 1710-1780     | 2110-2200     | --   |

### 3.4. Internal Identification of AE used during the test

| AE ID* | Description | dB*                |
|--------|-------------|--------------------|
| AE1    | Antenna     | Table Antenna gain |

The antenna is only used for testing RSE, it is a test auxiliary accessory, not standard with the module. The gain of the antenna is as follows:

| Technology/Band | Gain |
|-----------------|------|
| GSM 850/1900    | 2dBi |
| WCDMA B2/4      | 5dBi |
| WCDMA B5        | 6dBi |
| LTE B2          | 5dBi |
| LTE B4          | 6dBi |
| LTE B5          | 3dBi |
| LTE B7          | 5dBi |
| LTE B66         | 5dBi |

Table Antenna gain

\*AE ID: is used to identify the test sample in the lab internally.

dB\*: is provided customer.

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



## 4. Reference Documents

### 4.1. Documents supplied by applicant

PICS/PIXIT, referring to Annex B for detailed information, is supplied by the client or manufacturer, which is the basis of testing.

### 4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

| Reference      | Title                                                                                | Version |
|----------------|--------------------------------------------------------------------------------------|---------|
| FCC CFR Part 2 | FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS, e-CFR | 2019    |
| PART 22        | PUBLIC MOBILE SERVICES                                                               | 2019    |
| PART 24        | PERSONAL COMMUNICATIONS SERVICES, e-CFR                                              | 2019    |
| PART 27        | MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES, e-CFR                                | 2019    |
| ANSI C63.26    | --                                                                                   | 2015    |

## 5. Test Equipments Utilized

### 5.1. RF Test System

| No. | Equipment                            | Model  | SN         | HW Version | SW Version | Manufacture | Cal.Due Date |
|-----|--------------------------------------|--------|------------|------------|------------|-------------|--------------|
| 1   | spectrum analyzer                    | FSQ 26 | 201137/026 | --         | --         | R&S         | 2023-06-29   |
| 2   | DC Power Supply                      | 3303D  | 801128     | --         | --         | Topward     | 2023-06-29   |
| 3   | Universal Radio Communication Tester | CMW500 | 152395     | --         | --         | R&S         | 2023-06-29   |
| 4   | Universal Radio Communication Tester | CMW500 | 164483     | --         | --         | R&S         | 2023-06-29   |

### 5.2. RSE Test System

| No. | Equipment                            | Model     | SN     | HW Version | SW Version | Manufacture | Cal.Due Date |
|-----|--------------------------------------|-----------|--------|------------|------------|-------------|--------------|
| 1   | Test Receiver                        | ESU26     | 100367 | 01         | 4.43 SP3   | R&S         | 2023-06-29   |
| 2   | Ultra-wideband Log Periodic Antenna  | VULB 9163 | 01392  | --         | --         | Schwarzbeck | 2024-05-04   |
| 3   | Double Ridged Guide Antenna          | HF907     | 100357 | --         | --         | R&S         | 2023-02-10   |
| 4   | Universal Radio Communication Tester | CMW500    | 128181 | --         | --         | R&S         | 2023-06-29   |

### 5.3. Climate Chamber

| No. | Name                   | Type    | SN       | Manufacture | Cal.Due Date |
|-----|------------------------|---------|----------|-------------|--------------|
| 1   | Climate chamber        | SH-241  | 92010759 | ESPEC       | 2023-06-29   |
| 2   | Fully-Anechoic Chamber | FACT3-2 | --       | ETS         | 2025-04-29   |

### 5.4. Vibration table

| No. | Name | Type | SN | Manufacture | Cal.Due Date |
|-----|------|------|----|-------------|--------------|
| --  | --   | --   | -- | --          | --           |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**5.5. Test software**

| No. | Name     | version   | SN | Manufacture                                                   |
|-----|----------|-----------|----|---------------------------------------------------------------|
| 1   | EMC32    | V 8.51.00 | -- | R&S                                                           |
| 2   | T-RFS500 | V2.0      | -- | Manufacturer:Beijing<br>Zhiwang Xince Technology<br>Co., Ltd. |

## 6. Test Results

### 6.1. Summary of Test Results

A brief summary of the tests carried out is shown as following.

| FCC Rules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Name of Test                 | Result  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|
| 2.1046,22.913(a),24.232(c),27.50,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Conducted RF Power Output    | Pass    |
| 2.1046,22.913(a),24.232(c),27.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ERP and EIRP                 | Pass    |
| 2.1049,22.917(b), 24.238(b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Occupied Bandwidth           | *Note 1 |
| 2.1051,24.238,2.1053,22.917, 27.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Conducted spurious emissions | Pass    |
| 2.1051,24.238,2.1053,22.917, 27.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Radiated Spurious Emission   | Pass    |
| 2.1051,24.238, 2.1053, 22.917, 27.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Band Edge                    | Pass    |
| 2.1055, 22.355,24.235, 27.54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Frequency Stability          | Pass    |
| 24.232, 27.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Peak to Average Ratio        | Pass    |
| Note 1: No applicable performance criteria.<br>Note 2: Explanation of worst-case configuration The worst-case scenario for all measurements is based on the conducted output power. Output power was measured on QPSK,16QAM modulations. It was found that QPSK was the worst case. All testing was performed using QPSK modulations to represent the worst case unless otherwise stated. The test results shown in the following sections represent the worst case emission.According to the product change description of the product, Only the following test cases were repeated , Other test results refer to the reference report I22W00023_LTE_WWAN_Rev1. |                              |         |

## 6.2. Conducted RF Power Output

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| <b>Specifications:</b>    | FCC Part 2.1046, 22.913(a), 24.232(c), 27.50                                          |
| <b>DUT Serial Number:</b> | 864788050910772                                                                       |
| <b>Test conditions:</b>   | Ambient Temperature:15°C-35°C<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| <b>Test Results:</b>      | Pass                                                                                  |

### Limit Level Construction:

According to Part 22.913(a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

According to Part 24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to Part 27.50(c), portable stations (hand-held devices) in the 600 MHz uplink Band and the 698-746 MHz Band, and fixed and mobile stations in the 600 MHz uplink Band are limited to 3 watts ERP.

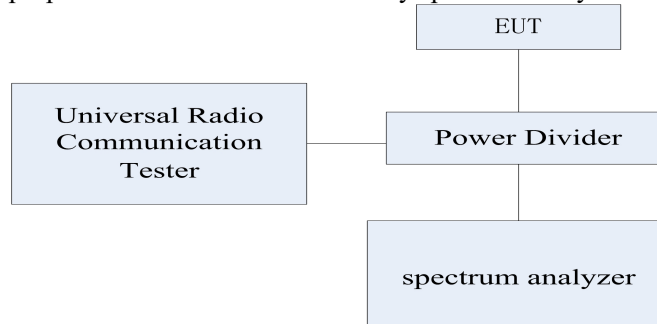
According to Part 27.50(d), fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz Band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz Bands are limited to 1 watt EIRP.

### Measurement Uncertainty:

| Item                 | Uncertainty   |
|----------------------|---------------|
| Expanded Uncertainty | 0.62 dB (k=2) |

### Test Setup:

During the test, the EUT was controlled via the Wireless Telecommunications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



### Test Method:

- 1) The EUT was coupled to the spectrum analyzer and the Wireless Telecommunications Test Set through

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

a power divider. The loss of the RF cables of the test system is calibrated to correct the readings.

2) For RMS power test, the spectrum analyzer was set to RMS Detector function and Maximum hold mode.

3) For Peak power test, the spectrum analyzer was set to Maxpeak Detector function and Maximum hold mode.

4) The resolution Bandwidth of the spectrum analyzer was comparable to the emission Bandwidth.

**Note:** --

## 6.2.1 Conducted RF Power Output Results

### LTE band 2

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) | Peak Power (dBm) |
|-----------|----------------|-----------------|------------|-----------------|------------------|
| 1.4MHz    | 1 RB low       | 1850.7          | QPSK       | 22.24           | 28.17            |
| 1.4MHz    | 1 RB mid       | 1850.7          | QPSK       | 22.04           | 27.92            |
| 1.4MHz    | 1 RB high      | 1850.7          | QPSK       | 22.18           | 28.08            |
| 1.4MHz    | 100% RB        | 1850.7          | QPSK       | 21.11           | 26.92            |
| 1.4MHz    | 1 RB low       | 1850.7          | 16QAM      | 21.49           | 27.73            |
| 1.4MHz    | 1 RB mid       | 1850.7          | 16QAM      | 21.25           | 27.39            |
| 1.4MHz    | 1 RB high      | 1850.7          | 16QAM      | 21.42           | 27.65            |
| 1.4MHz    | 100% RB        | 1850.7          | 16QAM      | 20.34           | 27.44            |
| 1.4MHz    | 1 RB low       | 1880            | QPSK       | 22.54           | 27.71            |
| 1.4MHz    | 1 RB mid       | 1880            | QPSK       | 22.49           | 27.64            |
| 1.4MHz    | 1 RB high      | 1880            | QPSK       | 22.56           | 27.75            |
| 1.4MHz    | 100% RB        | 1880            | QPSK       | 21.44           | 28.08            |
| 1.4MHz    | 1 RB low       | 1880            | 16QAM      | 21.57           | 27.98            |
| 1.4MHz    | 1 RB mid       | 1880            | 16QAM      | 21.43           | 27.87            |
| 1.4MHz    | 1 RB high      | 1880            | 16QAM      | 21.51           | 27.95            |
| 1.4MHz    | 100% RB        | 1880            | 16QAM      | 20.54           | 27.22            |
| 1.4MHz    | 1 RB low       | 1909.3          | QPSK       | 22.74           | 27.99            |
| 1.4MHz    | 1 RB mid       | 1909.3          | QPSK       | 22.51           | 27.82            |
| 1.4MHz    | 1 RB high      | 1909.3          | QPSK       | 22.60           | 27.87            |
| 1.4MHz    | 100% RB        | 1909.3          | QPSK       | 21.61           | 27.50            |
| 1.4MHz    | 1 RB low       | 1909.3          | 16QAM      | 21.96           | 27.65            |
| 1.4MHz    | 1 RB mid       | 1909.3          | 16QAM      | 21.76           | 27.38            |
| 1.4MHz    | 1 RB high      | 1909.3          | 16QAM      | 21.87           | 27.47            |
| 1.4MHz    | 100% RB        | 1909.3          | 16QAM      | 20.54           | 27.60            |
| 3MHz      | 1 RB low       | 1851.5          | QPSK       | 22.12           | 27.24            |
| 3MHz      | 1 RB mid       | 1851.5          | QPSK       | 22.09           | 27.11            |
| 3MHz      | 1 RB high      | 1851.5          | QPSK       | 22.00           | 27.11            |
| 3MHz      | 100% RB        | 1851.5          | QPSK       | 21.06           | 27.16            |
| 3MHz      | 1 RB low       | 1851.5          | 16QAM      | 21.06           | 27.49            |
| 3MHz      | 1 RB mid       | 1851.5          | 16QAM      | 21.08           | 27.48            |
| 3MHz      | 1 RB high      | 1851.5          | 16QAM      | 21.00           | 27.44            |
| 3MHz      | 100% RB        | 1851.5          | 16QAM      | 20.28           | 28.09            |
| 3MHz      | 1 RB low       | 1880            | QPSK       | 22.48           | 28.03            |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|      |           |        |       |       |       |
|------|-----------|--------|-------|-------|-------|
| 3MHz | 1 RB mid  | 1880   | QPSK  | 22.47 | 28.02 |
| 3MHz | 1 RB high | 1880   | QPSK  | 22.28 | 27.91 |
| 3MHz | 100% RB   | 1880   | QPSK  | 21.42 | 27.70 |
| 3MHz | 1 RB low  | 1880   | 16QAM | 21.67 | 27.45 |
| 3MHz | 1 RB mid  | 1880   | 16QAM | 21.65 | 27.44 |
| 3MHz | 1 RB high | 1880   | 16QAM | 21.46 | 27.40 |
| 3MHz | 100% RB   | 1880   | 16QAM | 20.43 | 28.11 |
| 3MHz | 1 RB low  | 1908.5 | QPSK  | 22.69 | 27.75 |
| 3MHz | 1 RB mid  | 1908.5 | QPSK  | 22.58 | 27.59 |
| 3MHz | 1 RB high | 1908.5 | QPSK  | 22.35 | 27.42 |
| 3MHz | 100% RB   | 1908.5 | QPSK  | 21.68 | 27.82 |
| 3MHz | 1 RB low  | 1908.5 | 16QAM | 21.94 | 27.45 |
| 3MHz | 1 RB mid  | 1908.5 | 16QAM | 21.85 | 27.18 |
| 3MHz | 1 RB high | 1908.5 | 16QAM | 21.64 | 27.06 |
| 3MHz | 100% RB   | 1908.5 | 16QAM | 20.79 | 27.37 |
| 5MHz | 1 RB low  | 1852.5 | QPSK  | 22.13 | 27.32 |
| 5MHz | 1 RB mid  | 1852.5 | QPSK  | 22.17 | 27.16 |
| 5MHz | 1 RB high | 1852.5 | QPSK  | 22.03 | 27.18 |
| 5MHz | 100% RB   | 1852.5 | QPSK  | 21.08 | 27.33 |
| 5MHz | 1 RB low  | 1852.5 | 16QAM | 21.21 | 26.89 |
| 5MHz | 1 RB mid  | 1852.5 | 16QAM | 21.25 | 26.84 |
| 5MHz | 1 RB high | 1852.5 | 16QAM | 21.09 | 26.78 |
| 5MHz | 100% RB   | 1852.5 | 16QAM | 20.31 | 27.18 |
| 5MHz | 1 RB low  | 1880   | QPSK  | 22.52 | 27.32 |
| 5MHz | 1 RB mid  | 1880   | QPSK  | 22.52 | 27.26 |
| 5MHz | 1 RB high | 1880   | QPSK  | 22.23 | 27.06 |
| 5MHz | 100% RB   | 1880   | QPSK  | 21.41 | 28.02 |
| 5MHz | 1 RB low  | 1880   | 16QAM | 21.79 | 27.27 |
| 5MHz | 1 RB mid  | 1880   | 16QAM | 21.80 | 27.25 |
| 5MHz | 1 RB high | 1880   | 16QAM | 21.51 | 27.04 |
| 5MHz | 100% RB   | 1880   | 16QAM | 20.48 | 27.45 |
| 5MHz | 1 RB low  | 1907.5 | QPSK  | 22.73 | 27.45 |
| 5MHz | 1 RB mid  | 1907.5 | QPSK  | 22.72 | 27.35 |
| 5MHz | 1 RB high | 1907.5 | QPSK  | 22.37 | 27.08 |
| 5MHz | 100% RB   | 1907.5 | QPSK  | 21.64 | 27.55 |
| 5MHz | 1 RB low  | 1907.5 | 16QAM | 21.81 | 27.45 |
| 5MHz | 1 RB mid  | 1907.5 | 16QAM | 21.83 | 27.31 |
| 5MHz | 1 RB high | 1907.5 | 16QAM | 21.51 | 27.15 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 5MHz  | 100% RB   | 1907.5 | 16QAM | 20.76 | 27.44 |
| 10MHz | 1 RB low  | 1855   | QPSK  | 22.04 | 27.15 |
| 10MHz | 1 RB mid  | 1855   | QPSK  | 22.01 | 27.04 |
| 10MHz | 1 RB high | 1855   | QPSK  | 21.97 | 27.05 |
| 10MHz | 100% RB   | 1855   | QPSK  | 20.98 | 26.90 |
| 10MHz | 1 RB low  | 1855   | 16QAM | 21.00 | 27.47 |
| 10MHz | 1 RB mid  | 1855   | 16QAM | 20.99 | 27.38 |
| 10MHz | 1 RB high | 1855   | 16QAM | 20.99 | 27.43 |
| 10MHz | 100% RB   | 1855   | 16QAM | 20.18 | 26.91 |
| 10MHz | 1 RB low  | 1880   | QPSK  | 22.36 | 27.99 |
| 10MHz | 1 RB mid  | 1880   | QPSK  | 22.35 | 27.93 |
| 10MHz | 1 RB high | 1880   | QPSK  | 21.75 | 27.55 |
| 10MHz | 100% RB   | 1880   | QPSK  | 21.20 | 27.86 |
| 10MHz | 1 RB low  | 1880   | 16QAM | 21.68 | 27.48 |
| 10MHz | 1 RB mid  | 1880   | 16QAM | 21.64 | 27.38 |
| 10MHz | 1 RB high | 1880   | 16QAM | 21.02 | 27.00 |
| 10MHz | 100% RB   | 1880   | 16QAM | 20.32 | 27.69 |
| 10MHz | 1 RB low  | 1905   | QPSK  | 22.40 | 27.69 |
| 10MHz | 1 RB mid  | 1905   | QPSK  | 22.65 | 27.71 |
| 10MHz | 1 RB high | 1905   | QPSK  | 22.05 | 27.24 |
| 10MHz | 100% RB   | 1905   | QPSK  | 21.54 | 27.42 |
| 10MHz | 1 RB low  | 1905   | 16QAM | 21.76 | 27.33 |
| 10MHz | 1 RB mid  | 1905   | 16QAM | 21.94 | 27.34 |
| 10MHz | 1 RB high | 1905   | 16QAM | 21.42 | 26.97 |
| 10MHz | 100% RB   | 1905   | 16QAM | 20.62 | 27.72 |
| 15MHz | 1 RB low  | 1857.5 | QPSK  | 22.17 | 27.24 |
| 15MHz | 1 RB mid  | 1857.5 | QPSK  | 22.30 | 27.33 |
| 15MHz | 1 RB high | 1857.5 | QPSK  | 22.37 | 27.44 |
| 15MHz | 100% RB   | 1857.5 | QPSK  | 21.29 | 27.68 |
| 15MHz | 1 RB low  | 1857.5 | 16QAM | 21.21 | 27.64 |
| 15MHz | 1 RB mid  | 1857.5 | 16QAM | 21.30 | 27.69 |
| 15MHz | 1 RB high | 1857.5 | 16QAM | 21.35 | 27.77 |
| 15MHz | 100% RB   | 1857.5 | 16QAM | 20.53 | 27.69 |
| 15MHz | 1 RB low  | 1880   | QPSK  | 22.65 | 28.14 |
| 15MHz | 1 RB mid  | 1880   | QPSK  | 22.46 | 28.00 |
| 15MHz | 1 RB high | 1880   | QPSK  | 21.98 | 27.67 |
| 15MHz | 100% RB   | 1880   | QPSK  | 21.40 | 28.21 |
| 15MHz | 1 RB low  | 1880   | 16QAM | 22.03 | 27.67 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 15MHz | 1 RB mid  | 1880   | 16QAM | 21.86 | 27.54 |
| 15MHz | 1 RB high | 1880   | 16QAM | 21.41 | 27.19 |
| 15MHz | 100% RB   | 1880   | 16QAM | 20.47 | 27.87 |
| 15MHz | 1 RB low  | 1902.5 | QPSK  | 22.28 | 27.60 |
| 15MHz | 1 RB mid  | 1902.5 | QPSK  | 22.72 | 27.86 |
| 15MHz | 1 RB high | 1902.5 | QPSK  | 22.25 | 27.35 |
| 15MHz | 100% RB   | 1902.5 | QPSK  | 21.69 | 28.12 |
| 15MHz | 1 RB low  | 1902.5 | 16QAM | 21.58 | 27.16 |
| 15MHz | 1 RB mid  | 1902.5 | 16QAM | 22.00 | 27.41 |
| 15MHz | 1 RB high | 1902.5 | 16QAM | 21.57 | 27.01 |
| 15MHz | 100% RB   | 1902.5 | 16QAM | 20.71 | 28.01 |
| 20MHz | 1 RB low  | 1860   | QPSK  | 22.10 | 28.29 |
| 20MHz | 1 RB mid  | 1860   | QPSK  | 22.31 | 28.40 |
| 20MHz | 1 RB high | 1860   | QPSK  | 22.34 | 28.46 |
| 20MHz | 100% RB   | 1860   | QPSK  | 21.37 | 27.81 |
| 20MHz | 1 RB low  | 1860   | 16QAM | 21.23 | 26.25 |
| 20MHz | 1 RB mid  | 1860   | 16QAM | 21.49 | 26.48 |
| 20MHz | 1 RB high | 1860   | 16QAM | 21.56 | 26.64 |
| 20MHz | 100% RB   | 1860   | 16QAM | 20.60 | 27.88 |
| 20MHz | 1 RB low  | 1880   | QPSK  | 22.53 | 27.95 |
| 20MHz | 1 RB mid  | 1880   | QPSK  | 22.54 | 27.96 |
| 20MHz | 1 RB high | 1880   | QPSK  | 21.95 | 27.57 |
| 20MHz | 100% RB   | 1880   | QPSK  | 21.31 | 27.79 |
| 20MHz | 1 RB low  | 1880   | 16QAM | 21.91 | 28.01 |
| 20MHz | 1 RB mid  | 1880   | 16QAM | 21.84 | 27.94 |
| 20MHz | 1 RB high | 1880   | 16QAM | 21.33 | 27.61 |
| 20MHz | 100% RB   | 1880   | 16QAM | 20.36 | 28.16 |
| 20MHz | 1 RB low  | 1900   | QPSK  | 22.14 | 27.40 |
| 20MHz | 1 RB mid  | 1900   | QPSK  | 22.71 | 27.78 |
| 20MHz | 1 RB high | 1900   | QPSK  | 22.27 | 27.28 |
| 20MHz | 100% RB   | 1900   | QPSK  | 21.55 | 27.80 |
| 20MHz | 1 RB low  | 1900   | 16QAM | 21.23 | 27.05 |
| 20MHz | 1 RB mid  | 1900   | 16QAM | 21.88 | 27.56 |
| 20MHz | 1 RB high | 1900   | 16QAM | 21.39 | 27.05 |
| 20MHz | 100% RB   | 1900   | 16QAM | 20.65 | 27.98 |

**LTE band 5**

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) | Peak Power (dBm) |
|-----------|----------------|-----------------|------------|-----------------|------------------|
|-----------|----------------|-----------------|------------|-----------------|------------------|

**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|        |           |       |       |       |       |
|--------|-----------|-------|-------|-------|-------|
| 1.4MHz | 1 RB low  | 824.7 | QPSK  | 22.63 | 27.68 |
| 1.4MHz | 1 RB mid  | 824.7 | QPSK  | 22.58 | 27.58 |
| 1.4MHz | 1 RB high | 824.7 | QPSK  | 22.74 | 27.82 |
| 1.4MHz | 100% RB   | 824.7 | QPSK  | 21.56 | 28.27 |
| 1.4MHz | 1 RB low  | 824.7 | 16QAM | 21.48 | 27.79 |
| 1.4MHz | 1 RB mid  | 824.7 | 16QAM | 21.45 | 27.77 |
| 1.4MHz | 1 RB high | 824.7 | 16QAM | 21.73 | 27.94 |
| 1.4MHz | 100% RB   | 824.7 | 16QAM | 20.64 | 27.15 |
| 1.4MHz | 1 RB low  | 836.5 | QPSK  | 22.69 | 27.61 |
| 1.4MHz | 1 RB mid  | 836.5 | QPSK  | 22.55 | 27.56 |
| 1.4MHz | 1 RB high | 836.5 | QPSK  | 22.65 | 27.64 |
| 1.4MHz | 100% RB   | 836.5 | QPSK  | 21.63 | 27.49 |
| 1.4MHz | 1 RB low  | 836.5 | 16QAM | 21.92 | 27.28 |
| 1.4MHz | 1 RB mid  | 836.5 | 16QAM | 21.80 | 27.10 |
| 1.4MHz | 1 RB high | 836.5 | 16QAM | 21.88 | 27.18 |
| 1.4MHz | 100% RB   | 836.5 | 16QAM | 20.65 | 27.46 |
| 1.4MHz | 1 RB low  | 848.3 | QPSK  | 22.99 | 28.24 |
| 1.4MHz | 1 RB mid  | 848.3 | QPSK  | 22.78 | 28.05 |
| 1.4MHz | 1 RB high | 848.3 | QPSK  | 22.81 | 28.02 |
| 1.4MHz | 100% RB   | 848.3 | QPSK  | 21.76 | 27.49 |
| 1.4MHz | 1 RB low  | 848.3 | 16QAM | 22.11 | 27.82 |
| 1.4MHz | 1 RB mid  | 848.3 | 16QAM | 21.95 | 27.64 |
| 1.4MHz | 1 RB high | 848.3 | 16QAM | 22.00 | 27.65 |
| 1.4MHz | 100% RB   | 848.3 | 16QAM | 20.93 | 27.67 |
| 3MHz   | 1 RB low  | 825.5 | QPSK  | 22.44 | 27.58 |
| 3MHz   | 1 RB mid  | 825.5 | QPSK  | 22.67 | 27.66 |
| 3MHz   | 1 RB high | 825.5 | QPSK  | 22.75 | 27.74 |
| 3MHz   | 100% RB   | 825.5 | QPSK  | 21.64 | 27.44 |
| 3MHz   | 1 RB low  | 825.5 | 16QAM | 21.36 | 27.73 |
| 3MHz   | 1 RB mid  | 825.5 | 16QAM | 21.66 | 27.88 |
| 3MHz   | 1 RB high | 825.5 | 16QAM | 21.67 | 27.87 |
| 3MHz   | 100% RB   | 825.5 | 16QAM | 20.62 | 27.93 |
| 3MHz   | 1 RB low  | 836.5 | QPSK  | 22.59 | 27.52 |
| 3MHz   | 1 RB mid  | 836.5 | QPSK  | 22.52 | 27.51 |
| 3MHz   | 1 RB high | 836.5 | QPSK  | 22.45 | 27.56 |
| 3MHz   | 100% RB   | 836.5 | QPSK  | 21.60 | 27.45 |
| 3MHz   | 1 RB low  | 836.5 | 16QAM | 21.82 | 27.02 |
| 3MHz   | 1 RB mid  | 836.5 | 16QAM | 21.79 | 27.06 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|
| 3MHz  | 1 RB high | 836.5 | 16QAM | 21.70 | 27.15 |
| 3MHz  | 100% RB   | 836.5 | 16QAM | 20.64 | 27.15 |
| 3MHz  | 1 RB low  | 847.5 | QPSK  | 22.81 | 27.84 |
| 3MHz  | 1 RB mid  | 847.5 | QPSK  | 22.77 | 27.68 |
| 3MHz  | 1 RB high | 847.5 | QPSK  | 22.58 | 27.46 |
| 3MHz  | 100% RB   | 847.5 | QPSK  | 21.77 | 27.46 |
| 3MHz  | 1 RB low  | 847.5 | 16QAM | 21.97 | 27.45 |
| 3MHz  | 1 RB mid  | 847.5 | 16QAM | 21.97 | 27.27 |
| 3MHz  | 1 RB high | 847.5 | 16QAM | 21.76 | 27.07 |
| 3MHz  | 100% RB   | 847.5 | 16QAM | 20.88 | 27.37 |
| 5MHz  | 1 RB low  | 826.5 | QPSK  | 22.51 | 27.65 |
| 5MHz  | 1 RB mid  | 826.5 | QPSK  | 22.91 | 27.80 |
| 5MHz  | 1 RB high | 826.5 | QPSK  | 22.94 | 27.72 |
| 5MHz  | 100% RB   | 826.5 | QPSK  | 21.71 | 27.62 |
| 5MHz  | 1 RB low  | 826.5 | 16QAM | 21.52 | 27.20 |
| 5MHz  | 1 RB mid  | 826.5 | 16QAM | 21.97 | 27.45 |
| 5MHz  | 1 RB high | 826.5 | 16QAM | 21.99 | 27.38 |
| 5MHz  | 100% RB   | 826.5 | 16QAM | 20.87 | 27.76 |
| 5MHz  | 1 RB low  | 836.5 | QPSK  | 22.60 | 26.91 |
| 5MHz  | 1 RB mid  | 836.5 | QPSK  | 22.63 | 26.99 |
| 5MHz  | 1 RB high | 836.5 | QPSK  | 22.49 | 26.99 |
| 5MHz  | 100% RB   | 836.5 | QPSK  | 21.56 | 27.34 |
| 5MHz  | 1 RB low  | 836.5 | 16QAM | 21.86 | 26.81 |
| 5MHz  | 1 RB mid  | 836.5 | 16QAM | 21.90 | 26.89 |
| 5MHz  | 1 RB high | 836.5 | 16QAM | 21.70 | 26.91 |
| 5MHz  | 100% RB   | 836.5 | 16QAM | 20.66 | 27.34 |
| 5MHz  | 1 RB low  | 846.5 | QPSK  | 22.90 | 27.66 |
| 5MHz  | 1 RB mid  | 846.5 | QPSK  | 22.92 | 27.49 |
| 5MHz  | 1 RB high | 846.5 | QPSK  | 22.68 | 27.21 |
| 5MHz  | 100% RB   | 846.5 | QPSK  | 21.79 | 27.73 |
| 5MHz  | 1 RB low  | 846.5 | 16QAM | 21.89 | 27.56 |
| 5MHz  | 1 RB mid  | 846.5 | 16QAM | 21.99 | 27.48 |
| 5MHz  | 1 RB high | 846.5 | 16QAM | 21.71 | 27.16 |
| 5MHz  | 100% RB   | 846.5 | 16QAM | 20.92 | 27.96 |
| 10MHz | 1 RB low  | 829   | QPSK  | 22.24 | 27.38 |
| 10MHz | 1 RB mid  | 829   | QPSK  | 22.83 | 27.50 |
| 10MHz | 1 RB high | 829   | QPSK  | 22.30 | 27.00 |
| 10MHz | 100% RB   | 829   | QPSK  | 21.59 | 27.44 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|
| 10MHz | 1 RB low  | 829   | 16QAM | 21.15 | 27.63 |
| 10MHz | 1 RB mid  | 829   | 16QAM | 21.84 | 27.72 |
| 10MHz | 1 RB high | 829   | 16QAM | 21.30 | 27.24 |
| 10MHz | 100% RB   | 829   | 16QAM | 20.67 | 27.46 |
| 10MHz | 1 RB low  | 836.5 | QPSK  | 22.57 | 27.60 |
| 10MHz | 1 RB mid  | 836.5 | QPSK  | 22.40 | 27.49 |
| 10MHz | 1 RB high | 836.5 | QPSK  | 22.17 | 27.81 |
| 10MHz | 100% RB   | 836.5 | QPSK  | 21.34 | 27.77 |
| 10MHz | 1 RB low  | 836.5 | 16QAM | 21.80 | 27.12 |
| 10MHz | 1 RB mid  | 836.5 | 16QAM | 21.66 | 27.03 |
| 10MHz | 1 RB high | 836.5 | 16QAM | 21.32 | 27.15 |
| 10MHz | 100% RB   | 836.5 | 16QAM | 20.38 | 27.47 |
| 10MHz | 1 RB low  | 844   | QPSK  | 22.24 | 27.39 |
| 10MHz | 1 RB mid  | 844   | QPSK  | 22.59 | 27.81 |
| 10MHz | 1 RB high | 844   | QPSK  | 22.32 | 27.37 |
| 10MHz | 100% RB   | 844   | QPSK  | 21.39 | 28.07 |
| 10MHz | 1 RB low  | 844   | 16QAM | 21.44 | 26.93 |
| 10MHz | 1 RB mid  | 844   | 16QAM | 21.78 | 27.23 |
| 10MHz | 1 RB high | 844   | 16QAM | 21.51 | 26.95 |
| 10MHz | 100% RB   | 844   | 16QAM | 20.47 | 27.56 |

**LTE band 7**

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) | Peak Power (dBm) |
|-----------|----------------|-----------------|------------|-----------------|------------------|
| 5MHz      | 1 RB low       | 2502.5          | QPSK       | 22.29           | 26.77            |
| 5MHz      | 1 RB mid       | 2502.5          | QPSK       | 22.30           | 26.75            |
| 5MHz      | 1 RB high      | 2502.5          | QPSK       | 22.15           | 26.76            |
| 5MHz      | 100% RB        | 2502.5          | QPSK       | 21.20           | 27.05            |
| 5MHz      | 1 RB low       | 2502.5          | 16QAM      | 21.33           | 26.55            |
| 5MHz      | 1 RB mid       | 2502.5          | 16QAM      | 21.35           | 26.56            |
| 5MHz      | 1 RB high      | 2502.5          | 16QAM      | 21.19           | 26.55            |
| 5MHz      | 100% RB        | 2502.5          | 16QAM      | 20.40           | 26.89            |
| 5MHz      | 1 RB low       | 2535            | QPSK       | 22.48           | 26.85            |
| 5MHz      | 1 RB mid       | 2535            | QPSK       | 22.51           | 26.80            |
| 5MHz      | 1 RB high      | 2535            | QPSK       | 22.48           | 26.80            |
| 5MHz      | 100% RB        | 2535            | QPSK       | 21.58           | 27.57            |
| 5MHz      | 1 RB low       | 2535            | 16QAM      | 21.78           | 26.79            |
| 5MHz      | 1 RB mid       | 2535            | 16QAM      | 21.90           | 26.83            |
| 5MHz      | 1 RB high      | 2535            | 16QAM      | 21.72           | 26.75            |

**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 5MHz  | 100% RB   | 2535   | 16QAM | 20.66 | 27.25 |
| 5MHz  | 1 RB low  | 2567.5 | QPSK  | 22.45 | 26.55 |
| 5MHz  | 1 RB mid  | 2567.5 | QPSK  | 22.56 | 26.50 |
| 5MHz  | 1 RB high | 2567.5 | QPSK  | 22.47 | 26.43 |
| 5MHz  | 100% RB   | 2567.5 | QPSK  | 21.47 | 27.12 |
| 5MHz  | 1 RB low  | 2567.5 | 16QAM | 21.49 | 26.52 |
| 5MHz  | 1 RB mid  | 2567.5 | 16QAM | 21.60 | 26.49 |
| 5MHz  | 1 RB high | 2567.5 | 16QAM | 21.55 | 26.47 |
| 5MHz  | 100% RB   | 2567.5 | 16QAM | 20.57 | 27.24 |
| 10MHz | 1 RB low  | 2505   | QPSK  | 22.06 | 26.65 |
| 10MHz | 1 RB mid  | 2505   | QPSK  | 22.13 | 26.71 |
| 10MHz | 1 RB high | 2505   | QPSK  | 22.01 | 26.68 |
| 10MHz | 100% RB   | 2505   | QPSK  | 21.03 | 26.95 |
| 10MHz | 1 RB low  | 2505   | 16QAM | 21.03 | 26.75 |
| 10MHz | 1 RB mid  | 2505   | 16QAM | 21.11 | 26.82 |
| 10MHz | 1 RB high | 2505   | 16QAM | 20.93 | 26.82 |
| 10MHz | 100% RB   | 2505   | 16QAM | 20.26 | 26.99 |
| 10MHz | 1 RB low  | 2535   | QPSK  | 22.34 | 27.25 |
| 10MHz | 1 RB mid  | 2535   | QPSK  | 22.46 | 27.23 |
| 10MHz | 1 RB high | 2535   | QPSK  | 22.19 | 27.16 |
| 10MHz | 100% RB   | 2535   | QPSK  | 21.39 | 27.58 |
| 10MHz | 1 RB low  | 2535   | 16QAM | 21.57 | 26.90 |
| 10MHz | 1 RB mid  | 2535   | 16QAM | 21.76 | 26.98 |
| 10MHz | 1 RB high | 2535   | 16QAM | 21.45 | 26.86 |
| 10MHz | 100% RB   | 2535   | 16QAM | 20.53 | 27.69 |
| 10MHz | 1 RB low  | 2565   | QPSK  | 22.26 | 26.73 |
| 10MHz | 1 RB mid  | 2565   | QPSK  | 22.40 | 26.63 |
| 10MHz | 1 RB high | 2565   | QPSK  | 22.34 | 26.55 |
| 10MHz | 100% RB   | 2565   | QPSK  | 21.32 | 27.43 |
| 10MHz | 1 RB low  | 2565   | 16QAM | 21.45 | 26.49 |
| 10MHz | 1 RB mid  | 2565   | 16QAM | 21.61 | 26.47 |
| 10MHz | 1 RB high | 2565   | 16QAM | 21.54 | 26.43 |
| 10MHz | 100% RB   | 2565   | 16QAM | 20.46 | 27.10 |
| 15MHz | 1 RB low  | 2507.5 | QPSK  | 22.17 | 26.74 |
| 15MHz | 1 RB mid  | 2507.5 | QPSK  | 22.13 | 26.71 |
| 15MHz | 1 RB high | 2507.5 | QPSK  | 22.11 | 26.77 |
| 15MHz | 100% RB   | 2507.5 | QPSK  | 21.17 | 27.30 |
| 15MHz | 1 RB low  | 2507.5 | 16QAM | 21.15 | 26.84 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 15MHz | 1 RB mid  | 2507.5 | 16QAM | 21.14 | 26.88 |
| 15MHz | 1 RB high | 2507.5 | 16QAM | 21.01 | 26.88 |
| 15MHz | 100% RB   | 2507.5 | 16QAM | 20.33 | 27.37 |
| 15MHz | 1 RB low  | 2535   | QPSK  | 22.46 | 27.23 |
| 15MHz | 1 RB mid  | 2535   | QPSK  | 22.43 | 27.18 |
| 15MHz | 1 RB high | 2535   | QPSK  | 22.09 | 27.03 |
| 15MHz | 100% RB   | 2535   | QPSK  | 21.43 | 27.76 |
| 15MHz | 1 RB low  | 2535   | 16QAM | 21.77 | 26.96 |
| 15MHz | 1 RB mid  | 2535   | 16QAM | 21.89 | 26.96 |
| 15MHz | 1 RB high | 2535   | 16QAM | 21.61 | 26.84 |
| 15MHz | 100% RB   | 2535   | 16QAM | 20.60 | 27.62 |
| 15MHz | 1 RB low  | 2562.5 | QPSK  | 22.19 | 26.78 |
| 15MHz | 1 RB mid  | 2562.5 | QPSK  | 22.38 | 26.68 |
| 15MHz | 1 RB high | 2562.5 | QPSK  | 22.24 | 26.42 |
| 15MHz | 100% RB   | 2562.5 | QPSK  | 21.41 | 27.46 |
| 15MHz | 1 RB low  | 2562.5 | 16QAM | 21.36 | 26.50 |
| 15MHz | 1 RB mid  | 2562.5 | 16QAM | 21.63 | 26.51 |
| 15MHz | 1 RB high | 2562.5 | 16QAM | 21.58 | 26.39 |
| 15MHz | 100% RB   | 2562.5 | 16QAM | 20.50 | 27.59 |
| 20MHz | 1 RB low  | 2510   | QPSK  | 21.99 | 27.05 |
| 20MHz | 1 RB mid  | 2510   | QPSK  | 22.06 | 27.18 |
| 20MHz | 1 RB high | 2510   | QPSK  | 22.25 | 27.34 |
| 20MHz | 100% RB   | 2510   | QPSK  | 21.20 | 27.28 |
| 20MHz | 1 RB low  | 2510   | 16QAM | 21.13 | 26.03 |
| 20MHz | 1 RB mid  | 2510   | 16QAM | 21.28 | 26.10 |
| 20MHz | 1 RB high | 2510   | 16QAM | 21.40 | 26.24 |
| 20MHz | 100% RB   | 2510   | 16QAM | 20.34 | 27.36 |
| 20MHz | 1 RB low  | 2535   | QPSK  | 22.44 | 27.12 |
| 20MHz | 1 RB mid  | 2535   | QPSK  | 22.51 | 27.10 |
| 20MHz | 1 RB high | 2535   | QPSK  | 22.12 | 26.95 |
| 20MHz | 100% RB   | 2535   | QPSK  | 21.32 | 27.39 |
| 20MHz | 1 RB low  | 2535   | 16QAM | 21.59 | 27.14 |
| 20MHz | 1 RB mid  | 2535   | 16QAM | 21.83 | 27.21 |
| 20MHz | 1 RB high | 2535   | 16QAM | 21.35 | 27.02 |
| 20MHz | 100% RB   | 2535   | 16QAM | 20.45 | 27.61 |
| 20MHz | 1 RB low  | 2560   | QPSK  | 22.04 | 26.76 |
| 20MHz | 1 RB mid  | 2560   | QPSK  | 22.45 | 26.69 |
| 20MHz | 1 RB high | 2560   | QPSK  | 22.43 | 26.57 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



|       |           |      |       |       |       |
|-------|-----------|------|-------|-------|-------|
| 20MHz | 100% RB   | 2560 | QPSK  | 21.37 | 27.27 |
| 20MHz | 1 RB low  | 2560 | 16QAM | 21.08 | 26.53 |
| 20MHz | 1 RB mid  | 2560 | 16QAM | 21.55 | 26.62 |
| 20MHz | 1 RB high | 2560 | 16QAM | 21.51 | 26.53 |
| 20MHz | 100% RB   | 2560 | 16QAM | 20.53 | 27.40 |

**LTE band 66**

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) | Peak Power (dBm) |
|-----------|----------------|-----------------|------------|-----------------|------------------|
| 1.4MHz    | 1 RB low       | 1710.7          | QPSK       | 22.34           | 27.45            |
| 1.4MHz    | 1 RB mid       | 1710.7          | QPSK       | 22.19           | 27.26            |
| 1.4MHz    | 1 RB high      | 1710.7          | QPSK       | 22.41           | 27.56            |
| 1.4MHz    | 100% RB        | 1710.7          | QPSK       | 21.23           | 27.78            |
| 1.4MHz    | 1 RB low       | 1710.7          | 16QAM      | 21.29           | 27.68            |
| 1.4MHz    | 1 RB mid       | 1710.7          | 16QAM      | 21.20           | 27.59            |
| 1.4MHz    | 1 RB high      | 1710.7          | 16QAM      | 21.30           | 27.69            |
| 1.4MHz    | 100% RB        | 1710.7          | 16QAM      | 20.28           | 26.76            |
| 1.4MHz    | 1 RB low       | 1745            | QPSK       | 21.48           | 26.98            |
| 1.4MHz    | 1 RB mid       | 1745            | QPSK       | 21.31           | 26.87            |
| 1.4MHz    | 1 RB high      | 1745            | QPSK       | 21.43           | 26.99            |
| 1.4MHz    | 100% RB        | 1745            | QPSK       | 20.34           | 26.66            |
| 1.4MHz    | 1 RB low       | 1745            | 16QAM      | 20.64           | 26.62            |
| 1.4MHz    | 1 RB mid       | 1745            | 16QAM      | 20.55           | 26.41            |
| 1.4MHz    | 1 RB high      | 1745            | 16QAM      | 20.59           | 26.46            |
| 1.4MHz    | 100% RB        | 1745            | 16QAM      | 19.36           | 26.66            |
| 1.4MHz    | 1 RB low       | 1779.3          | QPSK       | 21.36           | 27.27            |
| 1.4MHz    | 1 RB mid       | 1779.3          | QPSK       | 21.12           | 27.06            |
| 1.4MHz    | 1 RB high      | 1779.3          | QPSK       | 21.12           | 27.07            |
| 1.4MHz    | 100% RB        | 1779.3          | QPSK       | 20.30           | 26.35            |
| 1.4MHz    | 1 RB low       | 1779.3          | 16QAM      | 20.69           | 26.96            |
| 1.4MHz    | 1 RB mid       | 1779.3          | 16QAM      | 20.44           | 26.68            |
| 1.4MHz    | 1 RB high      | 1779.3          | 16QAM      | 20.50           | 26.77            |
| 1.4MHz    | 100% RB        | 1779.3          | 16QAM      | 19.57           | 26.80            |
| 3MHz      | 1 RB low       | 1711.5          | QPSK       | 22.19           | 27.38            |
| 3MHz      | 1 RB mid       | 1711.5          | QPSK       | 22.23           | 27.30            |
| 3MHz      | 1 RB high      | 1711.5          | QPSK       | 22.18           | 27.33            |
| 3MHz      | 100% RB        | 1711.5          | QPSK       | 21.23           | 27.09            |
| 3MHz      | 1 RB low       | 1711.5          | 16QAM      | 21.15           | 27.61            |
| 3MHz      | 1 RB mid       | 1711.5          | 16QAM      | 21.22           | 27.63            |

**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



|      |           |        |       |       |       |
|------|-----------|--------|-------|-------|-------|
| 3MHz | 1 RB high | 1711.5 | 16QAM | 21.09 | 27.55 |
| 3MHz | 100% RB   | 1711.5 | 16QAM | 20.21 | 27.56 |
| 3MHz | 1 RB low  | 1745   | QPSK  | 21.26 | 26.84 |
| 3MHz | 1 RB mid  | 1745   | QPSK  | 21.33 | 26.90 |
| 3MHz | 1 RB high | 1745   | QPSK  | 21.30 | 26.93 |
| 3MHz | 100% RB   | 1745   | QPSK  | 20.26 | 26.38 |
| 3MHz | 1 RB low  | 1745   | 16QAM | 20.49 | 26.32 |
| 3MHz | 1 RB mid  | 1745   | 16QAM | 20.59 | 26.43 |
| 3MHz | 1 RB high | 1745   | 16QAM | 20.46 | 26.45 |
| 3MHz | 100% RB   | 1745   | 16QAM | 19.40 | 27.23 |
| 3MHz | 1 RB low  | 1778.5 | QPSK  | 21.68 | 26.96 |
| 3MHz | 1 RB mid  | 1778.5 | QPSK  | 21.34 | 26.65 |
| 3MHz | 1 RB high | 1778.5 | QPSK  | 20.99 | 26.41 |
| 3MHz | 100% RB   | 1778.5 | QPSK  | 20.50 | 26.75 |
| 3MHz | 1 RB low  | 1778.5 | 16QAM | 20.97 | 26.69 |
| 3MHz | 1 RB mid  | 1778.5 | 16QAM | 20.65 | 26.27 |
| 3MHz | 1 RB high | 1778.5 | 16QAM | 20.32 | 26.03 |
| 3MHz | 100% RB   | 1778.5 | 16QAM | 19.77 | 26.23 |
| 5MHz | 1 RB low  | 1712.5 | QPSK  | 22.25 | 27.49 |
| 5MHz | 1 RB mid  | 1712.5 | QPSK  | 22.30 | 27.36 |
| 5MHz | 1 RB high | 1712.5 | QPSK  | 22.13 | 27.29 |
| 5MHz | 100% RB   | 1712.5 | QPSK  | 21.14 | 27.31 |
| 5MHz | 1 RB low  | 1712.5 | 16QAM | 21.20 | 26.99 |
| 5MHz | 1 RB mid  | 1712.5 | 16QAM | 21.34 | 26.93 |
| 5MHz | 1 RB high | 1712.5 | 16QAM | 21.23 | 26.90 |
| 5MHz | 100% RB   | 1712.5 | 16QAM | 20.26 | 27.24 |
| 5MHz | 1 RB low  | 1745   | QPSK  | 21.31 | 26.19 |
| 5MHz | 1 RB mid  | 1745   | QPSK  | 21.44 | 26.26 |
| 5MHz | 1 RB high | 1745   | QPSK  | 21.34 | 26.23 |
| 5MHz | 100% RB   | 1745   | QPSK  | 20.24 | 26.81 |
| 5MHz | 1 RB low  | 1745   | 16QAM | 20.56 | 26.12 |
| 5MHz | 1 RB mid  | 1745   | 16QAM | 20.70 | 26.20 |
| 5MHz | 1 RB high | 1745   | 16QAM | 20.59 | 26.20 |
| 5MHz | 100% RB   | 1745   | 16QAM | 19.42 | 26.49 |
| 5MHz | 1 RB low  | 1777.5 | QPSK  | 22.10 | 26.92 |
| 5MHz | 1 RB mid  | 1777.5 | QPSK  | 21.68 | 26.56 |
| 5MHz | 1 RB high | 1777.5 | QPSK  | 21.10 | 26.09 |
| 5MHz | 100% RB   | 1777.5 | QPSK  | 20.69 | 26.85 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 5MHz  | 1 RB low  | 1777.5 | 16QAM | 21.24 | 26.96 |
| 5MHz  | 1 RB mid  | 1777.5 | 16QAM | 20.88 | 26.63 |
| 5MHz  | 1 RB high | 1777.5 | 16QAM | 20.31 | 26.23 |
| 5MHz  | 100% RB   | 1777.5 | 16QAM | 19.93 | 27.26 |
| 10MHz | 1 RB low  | 1715   | QPSK  | 22.08 | 27.27 |
| 10MHz | 1 RB mid  | 1715   | QPSK  | 22.11 | 27.13 |
| 10MHz | 1 RB high | 1715   | QPSK  | 22.40 | 27.37 |
| 10MHz | 100% RB   | 1715   | QPSK  | 21.11 | 27.40 |
| 10MHz | 1 RB low  | 1715   | 16QAM | 20.91 | 27.49 |
| 10MHz | 1 RB mid  | 1715   | 16QAM | 21.10 | 27.48 |
| 10MHz | 1 RB high | 1715   | 16QAM | 21.36 | 27.66 |
| 10MHz | 100% RB   | 1715   | 16QAM | 20.17 | 26.81 |
| 10MHz | 1 RB low  | 1745   | QPSK  | 21.10 | 26.75 |
| 10MHz | 1 RB mid  | 1745   | QPSK  | 21.28 | 26.89 |
| 10MHz | 1 RB high | 1745   | QPSK  | 21.10 | 26.91 |
| 10MHz | 100% RB   | 1745   | QPSK  | 20.09 | 26.94 |
| 10MHz | 1 RB low  | 1745   | 16QAM | 20.34 | 26.26 |
| 10MHz | 1 RB mid  | 1745   | 16QAM | 20.45 | 26.34 |
| 10MHz | 1 RB high | 1745   | 16QAM | 20.39 | 26.43 |
| 10MHz | 100% RB   | 1745   | 16QAM | 19.31 | 26.91 |
| 10MHz | 1 RB low  | 1775   | QPSK  | 22.44 | 27.68 |
| 10MHz | 1 RB mid  | 1775   | QPSK  | 22.08 | 27.22 |
| 10MHz | 1 RB high | 1775   | QPSK  | 20.92 | 26.43 |
| 10MHz | 100% RB   | 1775   | QPSK  | 20.99 | 27.55 |
| 10MHz | 1 RB low  | 1775   | 16QAM | 21.62 | 27.19 |
| 10MHz | 1 RB mid  | 1775   | 16QAM | 21.39 | 26.87 |
| 10MHz | 1 RB high | 1775   | 16QAM | 20.24 | 26.05 |
| 10MHz | 100% RB   | 1775   | 16QAM | 20.18 | 27.36 |
| 15MHz | 1 RB low  | 1717.5 | QPSK  | 22.13 | 27.32 |
| 15MHz | 1 RB mid  | 1717.5 | QPSK  | 22.42 | 27.36 |
| 15MHz | 1 RB high | 1717.5 | QPSK  | 22.88 | 27.74 |
| 15MHz | 100% RB   | 1717.5 | QPSK  | 21.45 | 27.79 |
| 15MHz | 1 RB low  | 1717.5 | 16QAM | 21.02 | 27.57 |
| 15MHz | 1 RB mid  | 1717.5 | 16QAM | 21.32 | 27.58 |
| 15MHz | 1 RB high | 1717.5 | 16QAM | 21.81 | 27.94 |
| 15MHz | 100% RB   | 1717.5 | 16QAM | 20.52 | 27.39 |
| 15MHz | 1 RB low  | 1745   | QPSK  | 21.49 | 26.90 |
| 15MHz | 1 RB mid  | 1745   | QPSK  | 21.35 | 26.95 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 15MHz | 1 RB high | 1745   | QPSK  | 21.46 | 27.20 |
| 15MHz | 100% RB   | 1745   | QPSK  | 20.34 | 27.22 |
| 15MHz | 1 RB low  | 1745   | 16QAM | 20.85 | 26.52 |
| 15MHz | 1 RB mid  | 1745   | 16QAM | 20.74 | 26.50 |
| 15MHz | 1 RB high | 1745   | 16QAM | 20.81 | 26.64 |
| 15MHz | 100% RB   | 1745   | 16QAM | 19.55 | 27.13 |
| 15MHz | 1 RB low  | 1772.5 | QPSK  | 22.37 | 27.62 |
| 15MHz | 1 RB mid  | 1772.5 | QPSK  | 22.43 | 27.57 |
| 15MHz | 1 RB high | 1772.5 | QPSK  | 21.13 | 26.59 |
| 15MHz | 100% RB   | 1772.5 | QPSK  | 21.25 | 27.64 |
| 15MHz | 1 RB low  | 1772.5 | 16QAM | 21.52 | 27.05 |
| 15MHz | 1 RB mid  | 1772.5 | 16QAM | 21.69 | 27.19 |
| 15MHz | 1 RB high | 1772.5 | 16QAM | 20.47 | 26.16 |
| 15MHz | 100% RB   | 1772.5 | 16QAM | 20.42 | 28.04 |
| 20MHz | 1 RB low  | 1720   | QPSK  | 22.00 | 28.28 |
| 20MHz | 1 RB mid  | 1720   | QPSK  | 22.70 | 28.61 |
| 20MHz | 1 RB high | 1720   | QPSK  | 22.46 | 28.02 |
| 20MHz | 100% RB   | 1720   | QPSK  | 21.66 | 27.88 |
| 20MHz | 1 RB low  | 1720   | 16QAM | 21.05 | 26.18 |
| 20MHz | 1 RB mid  | 1720   | 16QAM | 21.79 | 26.61 |
| 20MHz | 1 RB high | 1720   | 16QAM | 21.65 | 26.71 |
| 20MHz | 100% RB   | 1720   | 16QAM | 20.75 | 27.87 |
| 20MHz | 1 RB low  | 1745   | QPSK  | 21.83 | 27.02 |
| 20MHz | 1 RB mid  | 1745   | QPSK  | 21.48 | 26.91 |
| 20MHz | 1 RB high | 1745   | QPSK  | 21.55 | 27.21 |
| 20MHz | 100% RB   | 1745   | QPSK  | 20.36 | 26.96 |
| 20MHz | 1 RB low  | 1745   | 16QAM | 21.06 | 27.01 |
| 20MHz | 1 RB mid  | 1745   | 16QAM | 20.65 | 26.89 |
| 20MHz | 1 RB high | 1745   | 16QAM | 20.83 | 27.18 |
| 20MHz | 100% RB   | 1745   | 16QAM | 19.56 | 27.42 |
| 20MHz | 1 RB low  | 1770   | QPSK  | 22.38 | 27.58 |
| 20MHz | 1 RB mid  | 1770   | QPSK  | 22.78 | 27.81 |
| 20MHz | 1 RB high | 1770   | QPSK  | 21.32 | 26.66 |
| 20MHz | 100% RB   | 1770   | QPSK  | 21.17 | 27.35 |
| 20MHz | 1 RB low  | 1770   | 16QAM | 21.47 | 27.22 |
| 20MHz | 1 RB mid  | 1770   | 16QAM | 21.87 | 27.51 |
| 20MHz | 1 RB high | 1770   | 16QAM | 20.37 | 26.33 |
| 20MHz | 100% RB   | 1770   | 16QAM | 20.36 | 27.72 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### 6.3. ERP and EIRP

#### Limit Level Construction:

This is the test for the maximum radiated power from the EUT.

**According to Part 24.232(c),** "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and 24.232(c) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage."

**According to 22.913(a),** The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts."

**According to Part 27.50(d),** "Fixed, mobile, and portable (handheld) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP".

**According to Part 27.50(h)(2)** "Mobile stations are limited to 2.0 watts EIRP".

**According to Part 27.50(c),** specifies "Portable stations (hand-held de-vices) are limited to 3 watts ERP".

**Conducted RF Power (dBm) +Antenna Gain (dBi) =EIRP (dBm)**

**Conducted RF Power (dBm) +Antenna Gain (dBi) -2.15dB=ERP (dBm)**

| Frequency Band | AntennaGain<br>(dBi) | AntennaGain<br>(dBd) |
|----------------|----------------------|----------------------|
| LTE Band 2     | 5                    | --                   |
| LTE Band 4     | 5                    | --                   |
| LTE Band 5     | 2                    | --                   |
| LTE Band 7     | 5                    | --                   |
| LTE Band 66    | 5                    | --                   |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### 6.3.1 LTE Band 2 result

#### LTE Band 2

Limits 33dBm(2w)

Max EIRP:27.74dBm

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) | Radiated Power(dBm)<br>G <sub>T</sub> = 5dBi |
|-----------|----------------|-----------------|------------|-----------------|----------------------------------------------|
| 1.4MHz    | 1 RB low       | 1850.7          | QPSK       | 22.24           | 27.24                                        |
| 1.4MHz    | 1 RB mid       | 1850.7          | QPSK       | 22.04           | 27.04                                        |
| 1.4MHz    | 1 RB high      | 1850.7          | QPSK       | 22.18           | 27.18                                        |
| 1.4MHz    | 100% RB        | 1850.7          | QPSK       | 21.11           | 26.11                                        |
| 1.4MHz    | 1 RB low       | 1850.7          | 16QAM      | 21.49           | 26.49                                        |
| 1.4MHz    | 1 RB mid       | 1850.7          | 16QAM      | 21.25           | 26.25                                        |
| 1.4MHz    | 1 RB high      | 1850.7          | 16QAM      | 21.42           | 26.42                                        |
| 1.4MHz    | 100% RB        | 1850.7          | 16QAM      | 20.34           | 25.34                                        |
| 1.4MHz    | 1 RB low       | 1880            | QPSK       | 22.54           | 27.54                                        |
| 1.4MHz    | 1 RB mid       | 1880            | QPSK       | 22.49           | 27.49                                        |
| 1.4MHz    | 1 RB high      | 1880            | QPSK       | 22.56           | 27.56                                        |
| 1.4MHz    | 100% RB        | 1880            | QPSK       | 21.44           | 26.44                                        |
| 1.4MHz    | 1 RB low       | 1880            | 16QAM      | 21.57           | 26.57                                        |
| 1.4MHz    | 1 RB mid       | 1880            | 16QAM      | 21.43           | 26.43                                        |
| 1.4MHz    | 1 RB high      | 1880            | 16QAM      | 21.51           | 26.51                                        |
| 1.4MHz    | 100% RB        | 1880            | 16QAM      | 20.54           | 25.54                                        |
| 1.4MHz    | 1 RB low       | 1909.3          | QPSK       | 22.74           | 27.74                                        |
| 1.4MHz    | 1 RB mid       | 1909.3          | QPSK       | 22.51           | 27.51                                        |
| 1.4MHz    | 1 RB high      | 1909.3          | QPSK       | 22.60           | 27.60                                        |
| 1.4MHz    | 100% RB        | 1909.3          | QPSK       | 21.61           | 26.61                                        |
| 1.4MHz    | 1 RB low       | 1909.3          | 16QAM      | 21.96           | 26.96                                        |
| 1.4MHz    | 1 RB mid       | 1909.3          | 16QAM      | 21.76           | 26.76                                        |
| 1.4MHz    | 1 RB high      | 1909.3          | 16QAM      | 21.87           | 26.87                                        |
| 1.4MHz    | 100% RB        | 1909.3          | 16QAM      | 20.54           | 25.54                                        |
| 3MHz      | 1 RB low       | 1851.5          | QPSK       | 22.12           | 27.12                                        |
| 3MHz      | 1 RB mid       | 1851.5          | QPSK       | 22.09           | 27.09                                        |
| 3MHz      | 1 RB high      | 1851.5          | QPSK       | 22.00           | 27.00                                        |
| 3MHz      | 100% RB        | 1851.5          | QPSK       | 21.06           | 26.06                                        |
| 3MHz      | 1 RB low       | 1851.5          | 16QAM      | 21.06           | 26.06                                        |

### Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|      |           |        |       |       |       |
|------|-----------|--------|-------|-------|-------|
| 3MHz | 1 RB mid  | 1851.5 | 16QAM | 21.08 | 26.08 |
| 3MHz | 1 RB high | 1851.5 | 16QAM | 21.00 | 26.00 |
| 3MHz | 100% RB   | 1851.5 | 16QAM | 20.28 | 25.28 |
| 3MHz | 1 RB low  | 1880   | QPSK  | 22.48 | 27.48 |
| 3MHz | 1 RB mid  | 1880   | QPSK  | 22.47 | 27.47 |
| 3MHz | 1 RB high | 1880   | QPSK  | 22.28 | 27.28 |
| 3MHz | 100% RB   | 1880   | QPSK  | 21.42 | 26.42 |
| 3MHz | 1 RB low  | 1880   | 16QAM | 21.67 | 26.67 |
| 3MHz | 1 RB mid  | 1880   | 16QAM | 21.65 | 26.65 |
| 3MHz | 1 RB high | 1880   | 16QAM | 21.46 | 26.46 |
| 3MHz | 100% RB   | 1880   | 16QAM | 20.43 | 25.43 |
| 3MHz | 1 RB low  | 1908.5 | QPSK  | 22.69 | 27.69 |
| 3MHz | 1 RB mid  | 1908.5 | QPSK  | 22.58 | 27.58 |
| 3MHz | 1 RB high | 1908.5 | QPSK  | 22.35 | 27.35 |
| 3MHz | 100% RB   | 1908.5 | QPSK  | 21.68 | 26.68 |
| 3MHz | 1 RB low  | 1908.5 | 16QAM | 21.94 | 26.94 |
| 3MHz | 1 RB mid  | 1908.5 | 16QAM | 21.85 | 26.85 |
| 3MHz | 1 RB high | 1908.5 | 16QAM | 21.64 | 26.64 |
| 3MHz | 100% RB   | 1908.5 | 16QAM | 20.79 | 25.79 |
| 5MHz | 1 RB low  | 1852.5 | QPSK  | 22.13 | 27.13 |
| 5MHz | 1 RB mid  | 1852.5 | QPSK  | 22.17 | 27.17 |
| 5MHz | 1 RB high | 1852.5 | QPSK  | 22.03 | 27.03 |
| 5MHz | 100% RB   | 1852.5 | QPSK  | 21.08 | 26.08 |
| 5MHz | 1 RB low  | 1852.5 | 16QAM | 21.21 | 26.21 |
| 5MHz | 1 RB mid  | 1852.5 | 16QAM | 21.25 | 26.25 |
| 5MHz | 1 RB high | 1852.5 | 16QAM | 21.09 | 26.09 |
| 5MHz | 100% RB   | 1852.5 | 16QAM | 20.31 | 25.31 |
| 5MHz | 1 RB low  | 1880   | QPSK  | 22.52 | 27.52 |
| 5MHz | 1 RB mid  | 1880   | QPSK  | 22.52 | 27.52 |
| 5MHz | 1 RB high | 1880   | QPSK  | 22.23 | 27.23 |
| 5MHz | 100% RB   | 1880   | QPSK  | 21.41 | 26.41 |
| 5MHz | 1 RB low  | 1880   | 16QAM | 21.79 | 26.79 |
| 5MHz | 1 RB mid  | 1880   | 16QAM | 21.80 | 26.80 |
| 5MHz | 1 RB high | 1880   | 16QAM | 21.51 | 26.51 |
| 5MHz | 100% RB   | 1880   | 16QAM | 20.48 | 25.48 |
| 5MHz | 1 RB low  | 1907.5 | QPSK  | 22.73 | 27.73 |
| 5MHz | 1 RB mid  | 1907.5 | QPSK  | 22.72 | 27.72 |
| 5MHz | 1 RB high | 1907.5 | QPSK  | 22.37 | 27.37 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 5MHz  | 100% RB   | 1907.5 | QPSK  | 21.64 | 26.64 |
| 5MHz  | 1 RB low  | 1907.5 | 16QAM | 21.81 | 26.81 |
| 5MHz  | 1 RB mid  | 1907.5 | 16QAM | 21.83 | 26.83 |
| 5MHz  | 1 RB high | 1907.5 | 16QAM | 21.51 | 26.51 |
| 5MHz  | 100% RB   | 1907.5 | 16QAM | 20.76 | 25.76 |
| 10MHz | 1 RB low  | 1855   | QPSK  | 22.04 | 27.04 |
| 10MHz | 1 RB mid  | 1855   | QPSK  | 22.01 | 27.01 |
| 10MHz | 1 RB high | 1855   | QPSK  | 21.97 | 26.97 |
| 10MHz | 100% RB   | 1855   | QPSK  | 20.98 | 25.98 |
| 10MHz | 1 RB low  | 1855   | 16QAM | 21.00 | 26.00 |
| 10MHz | 1 RB mid  | 1855   | 16QAM | 20.99 | 25.99 |
| 10MHz | 1 RB high | 1855   | 16QAM | 20.99 | 25.99 |
| 10MHz | 100% RB   | 1855   | 16QAM | 20.18 | 25.18 |
| 10MHz | 1 RB low  | 1880   | QPSK  | 22.36 | 27.36 |
| 10MHz | 1 RB mid  | 1880   | QPSK  | 22.35 | 27.35 |
| 10MHz | 1 RB high | 1880   | QPSK  | 21.75 | 26.75 |
| 10MHz | 100% RB   | 1880   | QPSK  | 21.20 | 26.20 |
| 10MHz | 1 RB low  | 1880   | 16QAM | 21.68 | 26.68 |
| 10MHz | 1 RB mid  | 1880   | 16QAM | 21.64 | 26.64 |
| 10MHz | 1 RB high | 1880   | 16QAM | 21.02 | 26.02 |
| 10MHz | 100% RB   | 1880   | 16QAM | 20.32 | 25.32 |
| 10MHz | 1 RB low  | 1905   | QPSK  | 22.40 | 27.40 |
| 10MHz | 1 RB mid  | 1905   | QPSK  | 22.65 | 27.65 |
| 10MHz | 1 RB high | 1905   | QPSK  | 22.05 | 27.05 |
| 10MHz | 100% RB   | 1905   | QPSK  | 21.54 | 26.54 |
| 10MHz | 1 RB low  | 1905   | 16QAM | 21.76 | 26.76 |
| 10MHz | 1 RB mid  | 1905   | 16QAM | 21.94 | 26.94 |
| 10MHz | 1 RB high | 1905   | 16QAM | 21.42 | 26.42 |
| 10MHz | 100% RB   | 1905   | 16QAM | 20.62 | 25.62 |
| 15MHz | 1 RB low  | 1857.5 | QPSK  | 22.17 | 27.17 |
| 15MHz | 1 RB mid  | 1857.5 | QPSK  | 22.30 | 27.30 |
| 15MHz | 1 RB high | 1857.5 | QPSK  | 22.37 | 27.37 |
| 15MHz | 100% RB   | 1857.5 | QPSK  | 21.29 | 26.29 |
| 15MHz | 1 RB low  | 1857.5 | 16QAM | 21.21 | 26.21 |
| 15MHz | 1 RB mid  | 1857.5 | 16QAM | 21.30 | 26.30 |
| 15MHz | 1 RB high | 1857.5 | 16QAM | 21.35 | 26.35 |
| 15MHz | 100% RB   | 1857.5 | 16QAM | 20.53 | 25.53 |
| 15MHz | 1 RB low  | 1880   | QPSK  | 22.65 | 27.65 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 15MHz | 1 RB mid  | 1880   | QPSK  | 22.46 | 27.46 |
| 15MHz | 1 RB high | 1880   | QPSK  | 21.98 | 26.98 |
| 15MHz | 100% RB   | 1880   | QPSK  | 21.40 | 26.40 |
| 15MHz | 1 RB low  | 1880   | 16QAM | 22.03 | 27.03 |
| 15MHz | 1 RB mid  | 1880   | 16QAM | 21.86 | 26.86 |
| 15MHz | 1 RB high | 1880   | 16QAM | 21.41 | 26.41 |
| 15MHz | 100% RB   | 1880   | 16QAM | 20.47 | 25.47 |
| 15MHz | 1 RB low  | 1902.5 | QPSK  | 22.28 | 27.28 |
| 15MHz | 1 RB mid  | 1902.5 | QPSK  | 22.72 | 27.72 |
| 15MHz | 1 RB high | 1902.5 | QPSK  | 22.25 | 27.25 |
| 15MHz | 100% RB   | 1902.5 | QPSK  | 21.69 | 26.69 |
| 15MHz | 1 RB low  | 1902.5 | 16QAM | 21.58 | 26.58 |
| 15MHz | 1 RB mid  | 1902.5 | 16QAM | 22.00 | 27.00 |
| 15MHz | 1 RB high | 1902.5 | 16QAM | 21.57 | 26.57 |
| 15MHz | 100% RB   | 1902.5 | 16QAM | 20.71 | 25.71 |
| 20MHz | 1 RB low  | 1860   | QPSK  | 22.10 | 27.10 |
| 20MHz | 1 RB mid  | 1860   | QPSK  | 22.31 | 27.31 |
| 20MHz | 1 RB high | 1860   | QPSK  | 22.34 | 27.34 |
| 20MHz | 100% RB   | 1860   | QPSK  | 21.37 | 26.37 |
| 20MHz | 1 RB low  | 1860   | 16QAM | 21.23 | 26.23 |
| 20MHz | 1 RB mid  | 1860   | 16QAM | 21.49 | 26.49 |
| 20MHz | 1 RB high | 1860   | 16QAM | 21.56 | 26.56 |
| 20MHz | 100% RB   | 1860   | 16QAM | 20.60 | 25.60 |
| 20MHz | 1 RB low  | 1880   | QPSK  | 22.53 | 27.53 |
| 20MHz | 1 RB mid  | 1880   | QPSK  | 22.54 | 27.54 |
| 20MHz | 1 RB high | 1880   | QPSK  | 21.95 | 26.95 |
| 20MHz | 100% RB   | 1880   | QPSK  | 21.31 | 26.31 |
| 20MHz | 1 RB low  | 1880   | 16QAM | 21.91 | 26.91 |
| 20MHz | 1 RB mid  | 1880   | 16QAM | 21.84 | 26.84 |
| 20MHz | 1 RB high | 1880   | 16QAM | 21.33 | 26.33 |
| 20MHz | 100% RB   | 1880   | 16QAM | 20.36 | 25.36 |
| 20MHz | 1 RB low  | 1900   | QPSK  | 22.14 | 27.14 |
| 20MHz | 1 RB mid  | 1900   | QPSK  | 22.71 | 27.71 |
| 20MHz | 1 RB high | 1900   | QPSK  | 22.27 | 27.27 |
| 20MHz | 100% RB   | 1900   | QPSK  | 21.55 | 26.55 |
| 20MHz | 1 RB low  | 1900   | 16QAM | 21.23 | 26.23 |
| 20MHz | 1 RB mid  | 1900   | 16QAM | 21.88 | 26.88 |
| 20MHz | 1 RB high | 1900   | 16QAM | 21.39 | 26.39 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



|       |         |      |       |       |       |
|-------|---------|------|-------|-------|-------|
| 20MHz | 100% RB | 1900 | 16QAM | 20.65 | 25.65 |
|-------|---------|------|-------|-------|-------|

### 6.3.2 LTE Band 5 result

#### LTE Band 5

Limits 38.5dBm(7w)

Max ERP:23.84dBm

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) | Radiated Power(dBm)<br>G <sub>T</sub> = 3dBi |
|-----------|----------------|-----------------|------------|-----------------|----------------------------------------------|
| 1.4MHz    | 1 RB low       | 824.7           | QPSK       | 22.63           | 23.48                                        |
| 1.4MHz    | 1 RB mid       | 824.7           | QPSK       | 22.58           | 23.43                                        |
| 1.4MHz    | 1 RB high      | 824.7           | QPSK       | 22.74           | 23.59                                        |
| 1.4MHz    | 100% RB        | 824.7           | QPSK       | 21.56           | 22.41                                        |
| 1.4MHz    | 1 RB low       | 824.7           | 16QAM      | 21.48           | 22.33                                        |
| 1.4MHz    | 1 RB mid       | 824.7           | 16QAM      | 21.45           | 22.30                                        |
| 1.4MHz    | 1 RB high      | 824.7           | 16QAM      | 21.73           | 22.58                                        |
| 1.4MHz    | 100% RB        | 824.7           | 16QAM      | 20.64           | 21.49                                        |
| 1.4MHz    | 1 RB low       | 836.5           | QPSK       | 22.69           | 23.54                                        |
| 1.4MHz    | 1 RB mid       | 836.5           | QPSK       | 22.55           | 23.40                                        |
| 1.4MHz    | 1 RB high      | 836.5           | QPSK       | 22.65           | 23.50                                        |
| 1.4MHz    | 100% RB        | 836.5           | QPSK       | 21.63           | 22.48                                        |
| 1.4MHz    | 1 RB low       | 836.5           | 16QAM      | 21.92           | 22.77                                        |
| 1.4MHz    | 1 RB mid       | 836.5           | 16QAM      | 21.80           | 22.65                                        |
| 1.4MHz    | 1 RB high      | 836.5           | 16QAM      | 21.88           | 22.73                                        |
| 1.4MHz    | 100% RB        | 836.5           | 16QAM      | 20.65           | 21.50                                        |
| 1.4MHz    | 1 RB low       | 848.3           | QPSK       | 22.99           | 23.84                                        |
| 1.4MHz    | 1 RB mid       | 848.3           | QPSK       | 22.78           | 23.63                                        |
| 1.4MHz    | 1 RB high      | 848.3           | QPSK       | 22.81           | 23.66                                        |
| 1.4MHz    | 100% RB        | 848.3           | QPSK       | 21.76           | 22.61                                        |
| 1.4MHz    | 1 RB low       | 848.3           | 16QAM      | 22.11           | 22.96                                        |
| 1.4MHz    | 1 RB mid       | 848.3           | 16QAM      | 21.95           | 22.80                                        |
| 1.4MHz    | 1 RB high      | 848.3           | 16QAM      | 22.00           | 22.85                                        |
| 1.4MHz    | 100% RB        | 848.3           | 16QAM      | 20.93           | 21.78                                        |
| 3MHz      | 1 RB low       | 825.5           | QPSK       | 22.44           | 23.29                                        |
| 3MHz      | 1 RB mid       | 825.5           | QPSK       | 22.67           | 23.52                                        |
| 3MHz      | 1 RB high      | 825.5           | QPSK       | 22.75           | 23.60                                        |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|      |           |       |       |       |       |
|------|-----------|-------|-------|-------|-------|
| 3MHz | 100% RB   | 825.5 | QPSK  | 21.64 | 22.49 |
| 3MHz | 1 RB low  | 825.5 | 16QAM | 21.36 | 22.21 |
| 3MHz | 1 RB mid  | 825.5 | 16QAM | 21.66 | 22.51 |
| 3MHz | 1 RB high | 825.5 | 16QAM | 21.67 | 22.52 |
| 3MHz | 100% RB   | 825.5 | 16QAM | 20.62 | 21.47 |
| 3MHz | 1 RB low  | 836.5 | QPSK  | 22.59 | 23.44 |
| 3MHz | 1 RB mid  | 836.5 | QPSK  | 22.52 | 23.37 |
| 3MHz | 1 RB high | 836.5 | QPSK  | 22.45 | 23.30 |
| 3MHz | 100% RB   | 836.5 | QPSK  | 21.60 | 22.45 |
| 3MHz | 1 RB low  | 836.5 | 16QAM | 21.82 | 22.67 |
| 3MHz | 1 RB mid  | 836.5 | 16QAM | 21.79 | 22.64 |
| 3MHz | 1 RB high | 836.5 | 16QAM | 21.70 | 22.55 |
| 3MHz | 100% RB   | 836.5 | 16QAM | 20.64 | 21.49 |
| 3MHz | 1 RB low  | 847.5 | QPSK  | 22.81 | 23.66 |
| 3MHz | 1 RB mid  | 847.5 | QPSK  | 22.77 | 23.62 |
| 3MHz | 1 RB high | 847.5 | QPSK  | 22.58 | 23.43 |
| 3MHz | 100% RB   | 847.5 | QPSK  | 21.77 | 22.62 |
| 3MHz | 1 RB low  | 847.5 | 16QAM | 21.97 | 22.82 |
| 3MHz | 1 RB mid  | 847.5 | 16QAM | 21.97 | 22.82 |
| 3MHz | 1 RB high | 847.5 | 16QAM | 21.76 | 22.61 |
| 3MHz | 100% RB   | 847.5 | 16QAM | 20.88 | 21.73 |
| 5MHz | 1 RB low  | 826.5 | QPSK  | 22.51 | 23.36 |
| 5MHz | 1 RB mid  | 826.5 | QPSK  | 22.91 | 23.76 |
| 5MHz | 1 RB high | 826.5 | QPSK  | 22.94 | 23.79 |
| 5MHz | 100% RB   | 826.5 | QPSK  | 21.71 | 22.56 |
| 5MHz | 1 RB low  | 826.5 | 16QAM | 21.52 | 22.37 |
| 5MHz | 1 RB mid  | 826.5 | 16QAM | 21.97 | 22.82 |
| 5MHz | 1 RB high | 826.5 | 16QAM | 21.99 | 22.84 |
| 5MHz | 100% RB   | 826.5 | 16QAM | 20.87 | 21.72 |
| 5MHz | 1 RB low  | 836.5 | QPSK  | 22.60 | 23.45 |
| 5MHz | 1 RB mid  | 836.5 | QPSK  | 22.63 | 23.48 |
| 5MHz | 1 RB high | 836.5 | QPSK  | 22.49 | 23.34 |
| 5MHz | 100% RB   | 836.5 | QPSK  | 21.56 | 22.41 |
| 5MHz | 1 RB low  | 836.5 | 16QAM | 21.86 | 22.71 |
| 5MHz | 1 RB mid  | 836.5 | 16QAM | 21.90 | 22.75 |
| 5MHz | 1 RB high | 836.5 | 16QAM | 21.70 | 22.55 |
| 5MHz | 100% RB   | 836.5 | 16QAM | 20.66 | 21.51 |
| 5MHz | 1 RB low  | 846.5 | QPSK  | 22.90 | 23.75 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|
| 5MHz  | 1 RB mid  | 846.5 | QPSK  | 22.92 | 23.77 |
| 5MHz  | 1 RB high | 846.5 | QPSK  | 22.68 | 23.53 |
| 5MHz  | 100% RB   | 846.5 | QPSK  | 21.79 | 22.64 |
| 5MHz  | 1 RB low  | 846.5 | 16QAM | 21.89 | 22.74 |
| 5MHz  | 1 RB mid  | 846.5 | 16QAM | 21.99 | 22.84 |
| 5MHz  | 1 RB high | 846.5 | 16QAM | 21.71 | 22.56 |
| 5MHz  | 100% RB   | 846.5 | 16QAM | 20.92 | 21.77 |
| 10MHz | 1 RB low  | 829   | QPSK  | 22.24 | 23.09 |
| 10MHz | 1 RB mid  | 829   | QPSK  | 22.83 | 23.68 |
| 10MHz | 1 RB high | 829   | QPSK  | 22.30 | 23.15 |
| 10MHz | 100% RB   | 829   | QPSK  | 21.59 | 22.44 |
| 10MHz | 1 RB low  | 829   | 16QAM | 21.15 | 22.00 |
| 10MHz | 1 RB mid  | 829   | 16QAM | 21.84 | 22.69 |
| 10MHz | 1 RB high | 829   | 16QAM | 21.30 | 22.15 |
| 10MHz | 100% RB   | 829   | 16QAM | 20.67 | 21.52 |
| 10MHz | 1 RB low  | 836.5 | QPSK  | 22.57 | 23.42 |
| 10MHz | 1 RB mid  | 836.5 | QPSK  | 22.40 | 23.25 |
| 10MHz | 1 RB high | 836.5 | QPSK  | 22.17 | 23.02 |
| 10MHz | 100% RB   | 836.5 | QPSK  | 21.34 | 22.19 |
| 10MHz | 1 RB low  | 836.5 | 16QAM | 21.80 | 22.65 |
| 10MHz | 1 RB mid  | 836.5 | 16QAM | 21.66 | 22.51 |
| 10MHz | 1 RB high | 836.5 | 16QAM | 21.32 | 22.17 |
| 10MHz | 100% RB   | 836.5 | 16QAM | 20.38 | 21.23 |
| 10MHz | 1 RB low  | 844   | QPSK  | 22.24 | 23.09 |
| 10MHz | 1 RB mid  | 844   | QPSK  | 22.59 | 23.44 |
| 10MHz | 1 RB high | 844   | QPSK  | 22.32 | 23.17 |
| 10MHz | 100% RB   | 844   | QPSK  | 21.39 | 22.24 |
| 10MHz | 1 RB low  | 844   | 16QAM | 21.44 | 22.29 |
| 10MHz | 1 RB mid  | 844   | 16QAM | 21.78 | 22.63 |
| 10MHz | 1 RB high | 844   | 16QAM | 21.51 | 22.36 |
| 10MHz | 100% RB   | 844   | 16QAM | 20.47 | 21.32 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336  
Tel: 0086-23-88069965 FAX: 0086-23-88608777

### 6.3.3 LTE Band 7 result

#### LTE band 7

Limits 33dBm(2w)

Max EIRP:27.56dBm

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) | Radiated Power(dBm)<br>G <sub>T</sub> = 5dBi |
|-----------|----------------|-----------------|------------|-----------------|----------------------------------------------|
| 5MHz      | 1 RB low       | 2502.5          | QPSK       | 22.29           | 27.29                                        |
| 5MHz      | 1 RB mid       | 2502.5          | QPSK       | 22.30           | 27.30                                        |
| 5MHz      | 1 RB high      | 2502.5          | QPSK       | 22.15           | 27.15                                        |
| 5MHz      | 100% RB        | 2502.5          | QPSK       | 21.20           | 26.20                                        |
| 5MHz      | 1 RB low       | 2502.5          | 16QAM      | 21.33           | 26.33                                        |
| 5MHz      | 1 RB mid       | 2502.5          | 16QAM      | 21.35           | 26.35                                        |
| 5MHz      | 1 RB high      | 2502.5          | 16QAM      | 21.19           | 26.19                                        |
| 5MHz      | 100% RB        | 2502.5          | 16QAM      | 20.40           | 25.40                                        |
| 5MHz      | 1 RB low       | 2535            | QPSK       | 22.48           | 27.48                                        |
| 5MHz      | 1 RB mid       | 2535            | QPSK       | 22.51           | 27.51                                        |
| 5MHz      | 1 RB high      | 2535            | QPSK       | 22.48           | 27.48                                        |
| 5MHz      | 100% RB        | 2535            | QPSK       | 21.58           | 26.58                                        |
| 5MHz      | 1 RB low       | 2535            | 16QAM      | 21.78           | 26.78                                        |
| 5MHz      | 1 RB mid       | 2535            | 16QAM      | 21.90           | 26.90                                        |
| 5MHz      | 1 RB high      | 2535            | 16QAM      | 21.72           | 26.72                                        |
| 5MHz      | 100% RB        | 2535            | 16QAM      | 20.66           | 25.66                                        |
| 5MHz      | 1 RB low       | 2567.5          | QPSK       | 22.45           | 27.45                                        |
| 5MHz      | 1 RB mid       | 2567.5          | QPSK       | 22.56           | 27.56                                        |
| 5MHz      | 1 RB high      | 2567.5          | QPSK       | 22.47           | 27.47                                        |
| 5MHz      | 100% RB        | 2567.5          | QPSK       | 21.47           | 26.47                                        |
| 5MHz      | 1 RB low       | 2567.5          | 16QAM      | 21.49           | 26.49                                        |
| 5MHz      | 1 RB mid       | 2567.5          | 16QAM      | 21.60           | 26.60                                        |
| 5MHz      | 1 RB high      | 2567.5          | 16QAM      | 21.55           | 26.55                                        |
| 5MHz      | 100% RB        | 2567.5          | 16QAM      | 20.57           | 25.57                                        |
| 10MHz     | 1 RB low       | 2505            | QPSK       | 22.06           | 27.06                                        |
| 10MHz     | 1 RB mid       | 2505            | QPSK       | 22.13           | 27.13                                        |
| 10MHz     | 1 RB high      | 2505            | QPSK       | 22.01           | 27.01                                        |
| 10MHz     | 100% RB        | 2505            | QPSK       | 21.03           | 26.03                                        |
| 10MHz     | 1 RB low       | 2505            | 16QAM      | 21.03           | 26.03                                        |

### Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 10MHz | 1 RB mid  | 2505   | 16QAM | 21.11 | 26.11 |
| 10MHz | 1 RB high | 2505   | 16QAM | 20.93 | 25.93 |
| 10MHz | 100% RB   | 2505   | 16QAM | 20.26 | 25.26 |
| 10MHz | 1 RB low  | 2535   | QPSK  | 22.34 | 27.34 |
| 10MHz | 1 RB mid  | 2535   | QPSK  | 22.46 | 27.46 |
| 10MHz | 1 RB high | 2535   | QPSK  | 22.19 | 27.19 |
| 10MHz | 100% RB   | 2535   | QPSK  | 21.39 | 26.39 |
| 10MHz | 1 RB low  | 2535   | 16QAM | 21.57 | 26.57 |
| 10MHz | 1 RB mid  | 2535   | 16QAM | 21.76 | 26.76 |
| 10MHz | 1 RB high | 2535   | 16QAM | 21.45 | 26.45 |
| 10MHz | 100% RB   | 2535   | 16QAM | 20.53 | 25.53 |
| 10MHz | 1 RB low  | 2565   | QPSK  | 22.26 | 27.26 |
| 10MHz | 1 RB mid  | 2565   | QPSK  | 22.40 | 27.40 |
| 10MHz | 1 RB high | 2565   | QPSK  | 22.34 | 27.34 |
| 10MHz | 100% RB   | 2565   | QPSK  | 21.32 | 26.32 |
| 10MHz | 1 RB low  | 2565   | 16QAM | 21.45 | 26.45 |
| 10MHz | 1 RB mid  | 2565   | 16QAM | 21.61 | 26.61 |
| 10MHz | 1 RB high | 2565   | 16QAM | 21.54 | 26.54 |
| 10MHz | 100% RB   | 2565   | 16QAM | 20.46 | 25.46 |
| 15MHz | 1 RB low  | 2507.5 | QPSK  | 22.17 | 27.17 |
| 15MHz | 1 RB mid  | 2507.5 | QPSK  | 22.13 | 27.13 |
| 15MHz | 1 RB high | 2507.5 | QPSK  | 22.11 | 27.11 |
| 15MHz | 100% RB   | 2507.5 | QPSK  | 21.17 | 26.17 |
| 15MHz | 1 RB low  | 2507.5 | 16QAM | 21.15 | 26.15 |
| 15MHz | 1 RB mid  | 2507.5 | 16QAM | 21.14 | 26.14 |
| 15MHz | 1 RB high | 2507.5 | 16QAM | 21.01 | 26.01 |
| 15MHz | 100% RB   | 2507.5 | 16QAM | 20.33 | 25.33 |
| 15MHz | 1 RB low  | 2535   | QPSK  | 22.46 | 27.46 |
| 15MHz | 1 RB mid  | 2535   | QPSK  | 22.43 | 27.43 |
| 15MHz | 1 RB high | 2535   | QPSK  | 22.09 | 27.09 |
| 15MHz | 100% RB   | 2535   | QPSK  | 21.43 | 26.43 |
| 15MHz | 1 RB low  | 2535   | 16QAM | 21.77 | 26.77 |
| 15MHz | 1 RB mid  | 2535   | 16QAM | 21.89 | 26.89 |
| 15MHz | 1 RB high | 2535   | 16QAM | 21.61 | 26.61 |
| 15MHz | 100% RB   | 2535   | 16QAM | 20.60 | 25.60 |
| 15MHz | 1 RB low  | 2562.5 | QPSK  | 22.19 | 27.19 |
| 15MHz | 1 RB mid  | 2562.5 | QPSK  | 22.38 | 27.38 |
| 15MHz | 1 RB high | 2562.5 | QPSK  | 22.24 | 27.24 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 15MHz | 100% RB   | 2562.5 | QPSK  | 21.41 | 26.41 |
| 15MHz | 1 RB low  | 2562.5 | 16QAM | 21.36 | 26.36 |
| 15MHz | 1 RB mid  | 2562.5 | 16QAM | 21.63 | 26.63 |
| 15MHz | 1 RB high | 2562.5 | 16QAM | 21.58 | 26.58 |
| 15MHz | 100% RB   | 2562.5 | 16QAM | 20.50 | 25.50 |
| 20MHz | 1 RB low  | 2510   | QPSK  | 21.99 | 26.99 |
| 20MHz | 1 RB mid  | 2510   | QPSK  | 22.06 | 27.06 |
| 20MHz | 1 RB high | 2510   | QPSK  | 22.25 | 27.25 |
| 20MHz | 100% RB   | 2510   | QPSK  | 21.20 | 26.20 |
| 20MHz | 1 RB low  | 2510   | 16QAM | 21.13 | 26.13 |
| 20MHz | 1 RB mid  | 2510   | 16QAM | 21.28 | 26.28 |
| 20MHz | 1 RB high | 2510   | 16QAM | 21.40 | 26.40 |
| 20MHz | 100% RB   | 2510   | 16QAM | 20.34 | 25.34 |
| 20MHz | 1 RB low  | 2535   | QPSK  | 22.44 | 27.44 |
| 20MHz | 1 RB mid  | 2535   | QPSK  | 22.51 | 27.51 |
| 20MHz | 1 RB high | 2535   | QPSK  | 22.12 | 27.12 |
| 20MHz | 100% RB   | 2535   | QPSK  | 21.32 | 26.32 |
| 20MHz | 1 RB low  | 2535   | 16QAM | 21.59 | 26.59 |
| 20MHz | 1 RB mid  | 2535   | 16QAM | 21.83 | 26.83 |
| 20MHz | 1 RB high | 2535   | 16QAM | 21.35 | 26.35 |
| 20MHz | 100% RB   | 2535   | 16QAM | 20.45 | 25.45 |
| 20MHz | 1 RB low  | 2560   | QPSK  | 22.04 | 27.04 |
| 20MHz | 1 RB mid  | 2560   | QPSK  | 22.45 | 27.45 |
| 20MHz | 1 RB high | 2560   | QPSK  | 22.43 | 27.43 |
| 20MHz | 100% RB   | 2560   | QPSK  | 21.37 | 26.37 |
| 20MHz | 1 RB low  | 2560   | 16QAM | 21.08 | 26.08 |
| 20MHz | 1 RB mid  | 2560   | 16QAM | 21.55 | 26.55 |
| 20MHz | 1 RB high | 2560   | 16QAM | 21.51 | 26.51 |
| 20MHz | 100% RB   | 2560   | 16QAM | 20.53 | 25.53 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336  
Tel: 0086-23-88069965 FAX: 0086-23-88608777

### 6.3.4 LTE Band 66 result

#### LTE Band 66

Limits 30dBm(1w)

Max EIRP:27.88dBm

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) | Radiated Power(dBm)<br>G <sub>T</sub> = 5dBi |
|-----------|----------------|-----------------|------------|-----------------|----------------------------------------------|
| 1.4MHz    | 1 RB low       | 1710.7          | QPSK       | 22.34           | 27.34                                        |
| 1.4MHz    | 1 RB mid       | 1710.7          | QPSK       | 22.19           | 27.19                                        |
| 1.4MHz    | 1 RB high      | 1710.7          | QPSK       | 22.41           | 27.41                                        |
| 1.4MHz    | 100% RB        | 1710.7          | QPSK       | 21.23           | 26.23                                        |
| 1.4MHz    | 1 RB low       | 1710.7          | 16QAM      | 21.29           | 26.29                                        |
| 1.4MHz    | 1 RB mid       | 1710.7          | 16QAM      | 21.20           | 26.20                                        |
| 1.4MHz    | 1 RB high      | 1710.7          | 16QAM      | 21.30           | 26.30                                        |
| 1.4MHz    | 100% RB        | 1710.7          | 16QAM      | 20.28           | 25.28                                        |
| 1.4MHz    | 1 RB low       | 1745            | QPSK       | 21.48           | 26.48                                        |
| 1.4MHz    | 1 RB mid       | 1745            | QPSK       | 21.31           | 26.31                                        |
| 1.4MHz    | 1 RB high      | 1745            | QPSK       | 21.43           | 26.43                                        |
| 1.4MHz    | 100% RB        | 1745            | QPSK       | 20.34           | 25.34                                        |
| 1.4MHz    | 1 RB low       | 1745            | 16QAM      | 20.64           | 25.64                                        |
| 1.4MHz    | 1 RB mid       | 1745            | 16QAM      | 20.55           | 25.55                                        |
| 1.4MHz    | 1 RB high      | 1745            | 16QAM      | 20.59           | 25.59                                        |
| 1.4MHz    | 100% RB        | 1745            | 16QAM      | 19.36           | 24.36                                        |
| 1.4MHz    | 1 RB low       | 1779.3          | QPSK       | 21.36           | 26.36                                        |
| 1.4MHz    | 1 RB mid       | 1779.3          | QPSK       | 21.12           | 26.12                                        |
| 1.4MHz    | 1 RB high      | 1779.3          | QPSK       | 21.12           | 26.12                                        |
| 1.4MHz    | 100% RB        | 1779.3          | QPSK       | 20.30           | 25.30                                        |
| 1.4MHz    | 1 RB low       | 1779.3          | 16QAM      | 20.69           | 25.69                                        |
| 1.4MHz    | 1 RB mid       | 1779.3          | 16QAM      | 20.44           | 25.44                                        |
| 1.4MHz    | 1 RB high      | 1779.3          | 16QAM      | 20.50           | 25.50                                        |
| 1.4MHz    | 100% RB        | 1779.3          | 16QAM      | 19.57           | 24.57                                        |
| 3MHz      | 1 RB low       | 1711.5          | QPSK       | 22.19           | 27.19                                        |
| 3MHz      | 1 RB mid       | 1711.5          | QPSK       | 22.23           | 27.23                                        |
| 3MHz      | 1 RB high      | 1711.5          | QPSK       | 22.18           | 27.18                                        |
| 3MHz      | 100% RB        | 1711.5          | QPSK       | 21.23           | 26.23                                        |
| 3MHz      | 1 RB low       | 1711.5          | 16QAM      | 21.15           | 26.15                                        |
| 3MHz      | 1 RB mid       | 1711.5          | 16QAM      | 21.22           | 26.22                                        |

### Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|      |           |        |       |       |       |
|------|-----------|--------|-------|-------|-------|
| 3MHz | 1 RB high | 1711.5 | 16QAM | 21.09 | 26.09 |
| 3MHz | 100% RB   | 1711.5 | 16QAM | 20.21 | 25.21 |
| 3MHz | 1 RB low  | 1745   | QPSK  | 21.26 | 26.26 |
| 3MHz | 1 RB mid  | 1745   | QPSK  | 21.33 | 26.33 |
| 3MHz | 1 RB high | 1745   | QPSK  | 21.30 | 26.30 |
| 3MHz | 100% RB   | 1745   | QPSK  | 20.26 | 25.26 |
| 3MHz | 1 RB low  | 1745   | 16QAM | 20.49 | 25.49 |
| 3MHz | 1 RB mid  | 1745   | 16QAM | 20.59 | 25.59 |
| 3MHz | 1 RB high | 1745   | 16QAM | 20.46 | 25.46 |
| 3MHz | 100% RB   | 1745   | 16QAM | 19.40 | 24.40 |
| 3MHz | 1 RB low  | 1778.5 | QPSK  | 21.68 | 26.68 |
| 3MHz | 1 RB mid  | 1778.5 | QPSK  | 21.34 | 26.34 |
| 3MHz | 1 RB high | 1778.5 | QPSK  | 20.99 | 25.99 |
| 3MHz | 100% RB   | 1778.5 | QPSK  | 20.50 | 25.50 |
| 3MHz | 1 RB low  | 1778.5 | 16QAM | 20.97 | 25.97 |
| 3MHz | 1 RB mid  | 1778.5 | 16QAM | 20.65 | 25.65 |
| 3MHz | 1 RB high | 1778.5 | 16QAM | 20.32 | 25.32 |
| 3MHz | 100% RB   | 1778.5 | 16QAM | 19.77 | 24.77 |
| 5MHz | 1 RB low  | 1712.5 | QPSK  | 22.25 | 27.25 |
| 5MHz | 1 RB mid  | 1712.5 | QPSK  | 22.30 | 27.30 |
| 5MHz | 1 RB high | 1712.5 | QPSK  | 22.13 | 27.13 |
| 5MHz | 100% RB   | 1712.5 | QPSK  | 21.14 | 26.14 |
| 5MHz | 1 RB low  | 1712.5 | 16QAM | 21.20 | 26.20 |
| 5MHz | 1 RB mid  | 1712.5 | 16QAM | 21.34 | 26.34 |
| 5MHz | 1 RB high | 1712.5 | 16QAM | 21.23 | 26.23 |
| 5MHz | 100% RB   | 1712.5 | 16QAM | 20.26 | 25.26 |
| 5MHz | 1 RB low  | 1745   | QPSK  | 21.31 | 26.31 |
| 5MHz | 1 RB mid  | 1745   | QPSK  | 21.44 | 26.44 |
| 5MHz | 1 RB high | 1745   | QPSK  | 21.34 | 26.34 |
| 5MHz | 100% RB   | 1745   | QPSK  | 20.24 | 25.24 |
| 5MHz | 1 RB low  | 1745   | 16QAM | 20.56 | 25.56 |
| 5MHz | 1 RB mid  | 1745   | 16QAM | 20.70 | 25.70 |
| 5MHz | 1 RB high | 1745   | 16QAM | 20.59 | 25.59 |
| 5MHz | 100% RB   | 1745   | 16QAM | 19.42 | 24.42 |
| 5MHz | 1 RB low  | 1777.5 | QPSK  | 22.10 | 27.10 |
| 5MHz | 1 RB mid  | 1777.5 | QPSK  | 21.68 | 26.68 |
| 5MHz | 1 RB high | 1777.5 | QPSK  | 21.10 | 26.10 |
| 5MHz | 100% RB   | 1777.5 | QPSK  | 20.69 | 25.69 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 5MHz  | 1 RB low  | 1777.5 | 16QAM | 21.24 | 26.24 |
| 5MHz  | 1 RB mid  | 1777.5 | 16QAM | 20.88 | 25.88 |
| 5MHz  | 1 RB high | 1777.5 | 16QAM | 20.31 | 25.31 |
| 5MHz  | 100% RB   | 1777.5 | 16QAM | 19.93 | 24.93 |
| 10MHz | 1 RB low  | 1715   | QPSK  | 22.08 | 27.08 |
| 10MHz | 1 RB mid  | 1715   | QPSK  | 22.11 | 27.11 |
| 10MHz | 1 RB high | 1715   | QPSK  | 22.40 | 27.40 |
| 10MHz | 100% RB   | 1715   | QPSK  | 21.11 | 26.11 |
| 10MHz | 1 RB low  | 1715   | 16QAM | 20.91 | 25.91 |
| 10MHz | 1 RB mid  | 1715   | 16QAM | 21.10 | 26.10 |
| 10MHz | 1 RB high | 1715   | 16QAM | 21.36 | 26.36 |
| 10MHz | 100% RB   | 1715   | 16QAM | 20.17 | 25.17 |
| 10MHz | 1 RB low  | 1745   | QPSK  | 21.10 | 26.10 |
| 10MHz | 1 RB mid  | 1745   | QPSK  | 21.28 | 26.28 |
| 10MHz | 1 RB high | 1745   | QPSK  | 21.10 | 26.10 |
| 10MHz | 100% RB   | 1745   | QPSK  | 20.09 | 25.09 |
| 10MHz | 1 RB low  | 1745   | 16QAM | 20.34 | 25.34 |
| 10MHz | 1 RB mid  | 1745   | 16QAM | 20.45 | 25.45 |
| 10MHz | 1 RB high | 1745   | 16QAM | 20.39 | 25.39 |
| 10MHz | 100% RB   | 1745   | 16QAM | 19.31 | 24.31 |
| 10MHz | 1 RB low  | 1775   | QPSK  | 22.44 | 27.44 |
| 10MHz | 1 RB mid  | 1775   | QPSK  | 22.08 | 27.08 |
| 10MHz | 1 RB high | 1775   | QPSK  | 20.92 | 25.92 |
| 10MHz | 100% RB   | 1775   | QPSK  | 20.99 | 25.99 |
| 10MHz | 1 RB low  | 1775   | 16QAM | 21.62 | 26.62 |
| 10MHz | 1 RB mid  | 1775   | 16QAM | 21.39 | 26.39 |
| 10MHz | 1 RB high | 1775   | 16QAM | 20.24 | 25.24 |
| 10MHz | 100% RB   | 1775   | 16QAM | 20.18 | 25.18 |
| 15MHz | 1 RB low  | 1717.5 | QPSK  | 22.13 | 27.13 |
| 15MHz | 1 RB mid  | 1717.5 | QPSK  | 22.42 | 27.42 |
| 15MHz | 1 RB high | 1717.5 | QPSK  | 22.88 | 27.88 |
| 15MHz | 100% RB   | 1717.5 | QPSK  | 21.45 | 26.45 |
| 15MHz | 1 RB low  | 1717.5 | 16QAM | 21.02 | 26.02 |
| 15MHz | 1 RB mid  | 1717.5 | 16QAM | 21.32 | 26.32 |
| 15MHz | 1 RB high | 1717.5 | 16QAM | 21.81 | 26.81 |
| 15MHz | 100% RB   | 1717.5 | 16QAM | 20.52 | 25.52 |
| 15MHz | 1 RB low  | 1745   | QPSK  | 21.49 | 26.49 |
| 15MHz | 1 RB mid  | 1745   | QPSK  | 21.35 | 26.35 |

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

|       |           |        |       |       |       |
|-------|-----------|--------|-------|-------|-------|
| 15MHz | 1 RB high | 1745   | QPSK  | 21.46 | 26.46 |
| 15MHz | 100% RB   | 1745   | QPSK  | 20.34 | 25.34 |
| 15MHz | 1 RB low  | 1745   | 16QAM | 20.85 | 25.85 |
| 15MHz | 1 RB mid  | 1745   | 16QAM | 20.74 | 25.74 |
| 15MHz | 1 RB high | 1745   | 16QAM | 20.81 | 25.81 |
| 15MHz | 100% RB   | 1745   | 16QAM | 19.55 | 24.55 |
| 15MHz | 1 RB low  | 1772.5 | QPSK  | 22.37 | 27.37 |
| 15MHz | 1 RB mid  | 1772.5 | QPSK  | 22.43 | 27.43 |
| 15MHz | 1 RB high | 1772.5 | QPSK  | 21.13 | 26.13 |
| 15MHz | 100% RB   | 1772.5 | QPSK  | 21.25 | 26.25 |
| 15MHz | 1 RB low  | 1772.5 | 16QAM | 21.52 | 26.52 |
| 15MHz | 1 RB mid  | 1772.5 | 16QAM | 21.69 | 26.69 |
| 15MHz | 1 RB high | 1772.5 | 16QAM | 20.47 | 25.47 |
| 15MHz | 100% RB   | 1772.5 | 16QAM | 20.42 | 25.42 |
| 20MHz | 1 RB low  | 1720   | QPSK  | 22.00 | 27.00 |
| 20MHz | 1 RB mid  | 1720   | QPSK  | 22.70 | 27.70 |
| 20MHz | 1 RB high | 1720   | QPSK  | 22.46 | 27.46 |
| 20MHz | 100% RB   | 1720   | QPSK  | 21.66 | 26.66 |
| 20MHz | 1 RB low  | 1720   | 16QAM | 21.05 | 26.05 |
| 20MHz | 1 RB mid  | 1720   | 16QAM | 21.79 | 26.79 |
| 20MHz | 1 RB high | 1720   | 16QAM | 21.65 | 26.65 |
| 20MHz | 100% RB   | 1720   | 16QAM | 20.75 | 25.75 |
| 20MHz | 1 RB low  | 1745   | QPSK  | 21.83 | 26.83 |
| 20MHz | 1 RB mid  | 1745   | QPSK  | 21.48 | 26.48 |
| 20MHz | 1 RB high | 1745   | QPSK  | 21.55 | 26.55 |
| 20MHz | 100% RB   | 1745   | QPSK  | 20.36 | 25.36 |
| 20MHz | 1 RB low  | 1745   | 16QAM | 21.06 | 26.06 |
| 20MHz | 1 RB mid  | 1745   | 16QAM | 20.65 | 25.65 |
| 20MHz | 1 RB high | 1745   | 16QAM | 20.83 | 25.83 |
| 20MHz | 100% RB   | 1745   | 16QAM | 19.56 | 24.56 |
| 20MHz | 1 RB low  | 1770   | QPSK  | 22.38 | 27.38 |
| 20MHz | 1 RB mid  | 1770   | QPSK  | 22.78 | 27.78 |
| 20MHz | 1 RB high | 1770   | QPSK  | 21.32 | 26.32 |
| 20MHz | 100% RB   | 1770   | QPSK  | 21.17 | 26.17 |
| 20MHz | 1 RB low  | 1770   | 16QAM | 21.47 | 26.47 |
| 20MHz | 1 RB mid  | 1770   | 16QAM | 21.87 | 26.87 |
| 20MHz | 1 RB high | 1770   | 16QAM | 20.37 | 25.37 |
| 20MHz | 100% RB   | 1770   | 16QAM | 20.36 | 25.36 |

## Chongqing Academy of Information and Communication Technology

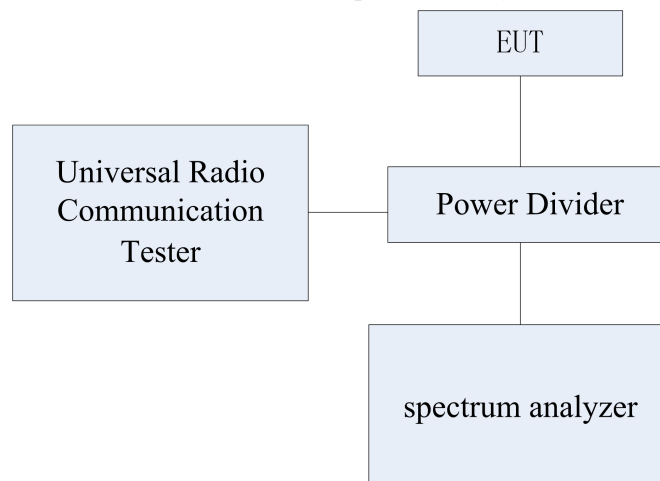
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

#### 6.4. Occupied Bandwidth

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| <b>Specifications:</b>    | FCC Part 2.1049, 22.917(b), 24.238(b)                                                 |
| <b>DUT Serial Number:</b> | 864788050910772                                                                       |
| <b>Test conditions:</b>   | Ambient Temperature:15°C-35°C<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| <b>Test Results:</b>      | --                                                                                    |

#### Test Setup

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



#### Measurement Uncertainty:

| Item                 | Uncertainty   |
|----------------------|---------------|
| Expanded Uncertainty | 500 kHz (k=2) |

#### Test Method

The 99% occupied Bandwidth was calculated from the spectrum analyzer. Markers in the spectrum analyzer were then placed between the calculated frequencies to show the calculated 99% power Band. The 26dB Bandwidth was also measured and recorded.

**Note:** --

### Chongqing Academy of Information and Communication Technology

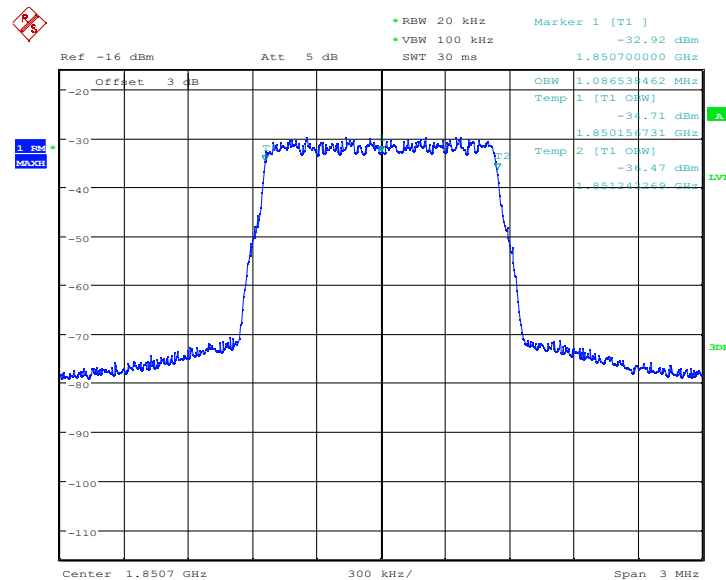
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### 6.4.1 occupied bandwidth Results

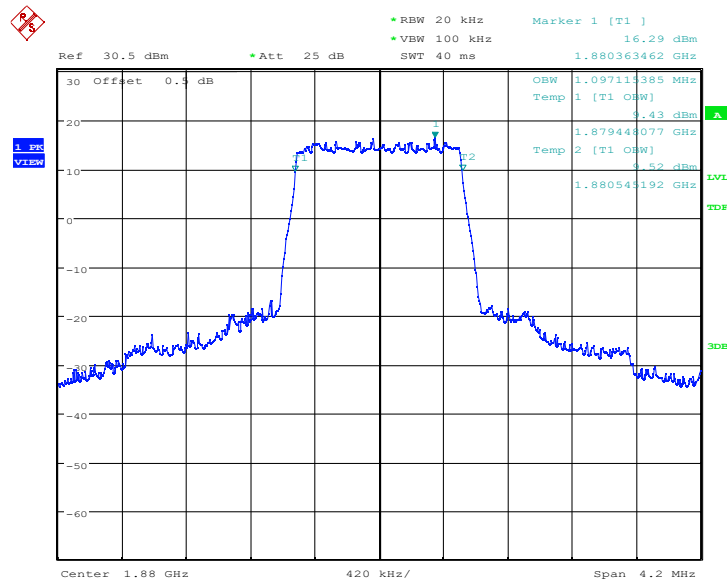
#### LTE band 2,1.4MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 1850.7          | 1.086                         | 1.096 |
| 1880            | 1.097                         | 1.104 |
| 1909.3          | 1.086                         | 1.091 |

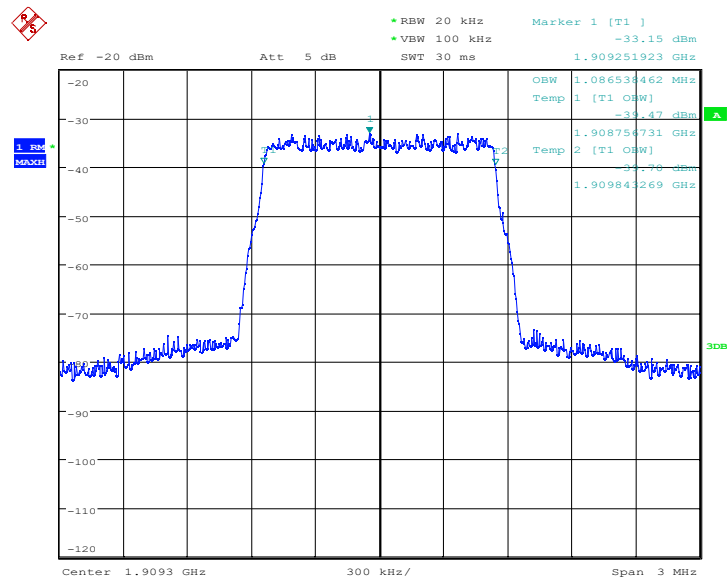
#### LTE band 2 , 1.4MHz Bandwidth,QPSK (99% BW)



Date: 21.JUL.2022 14:54:39

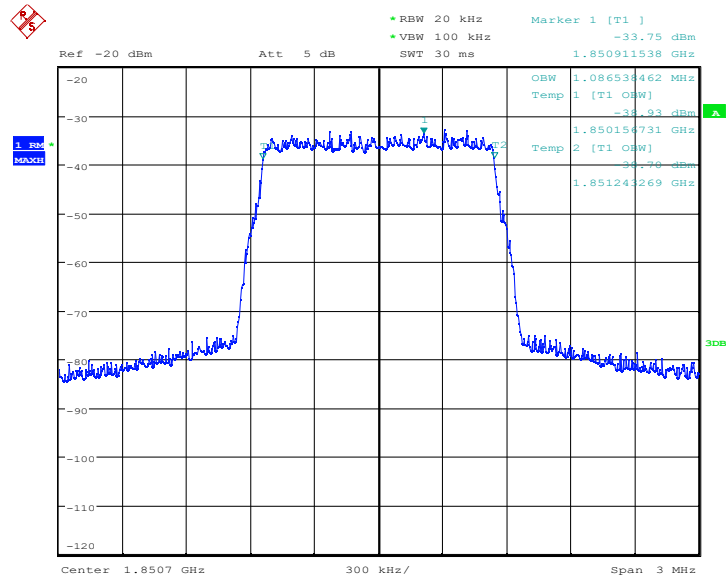


Date: 13.JUN.2022 22:49:52

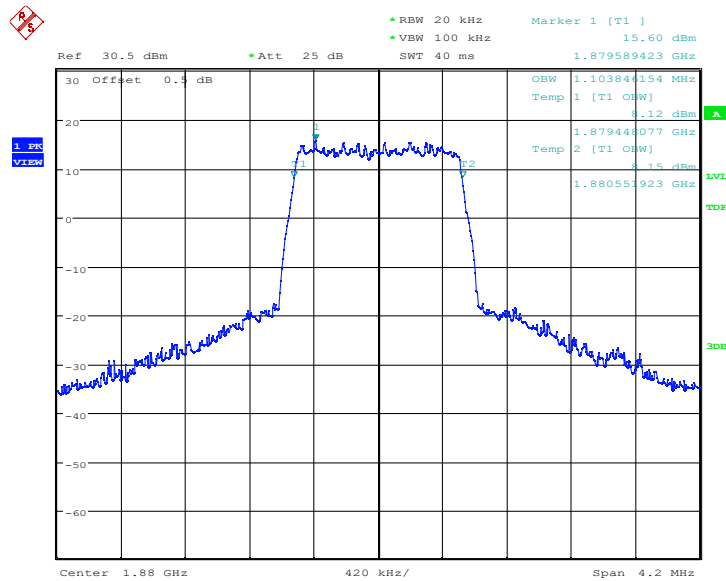


Date: 21.JUL.2022 15:49:19

**LTE band 2 , 1.4MHz Bandwidth,16QAM (99% BW)**



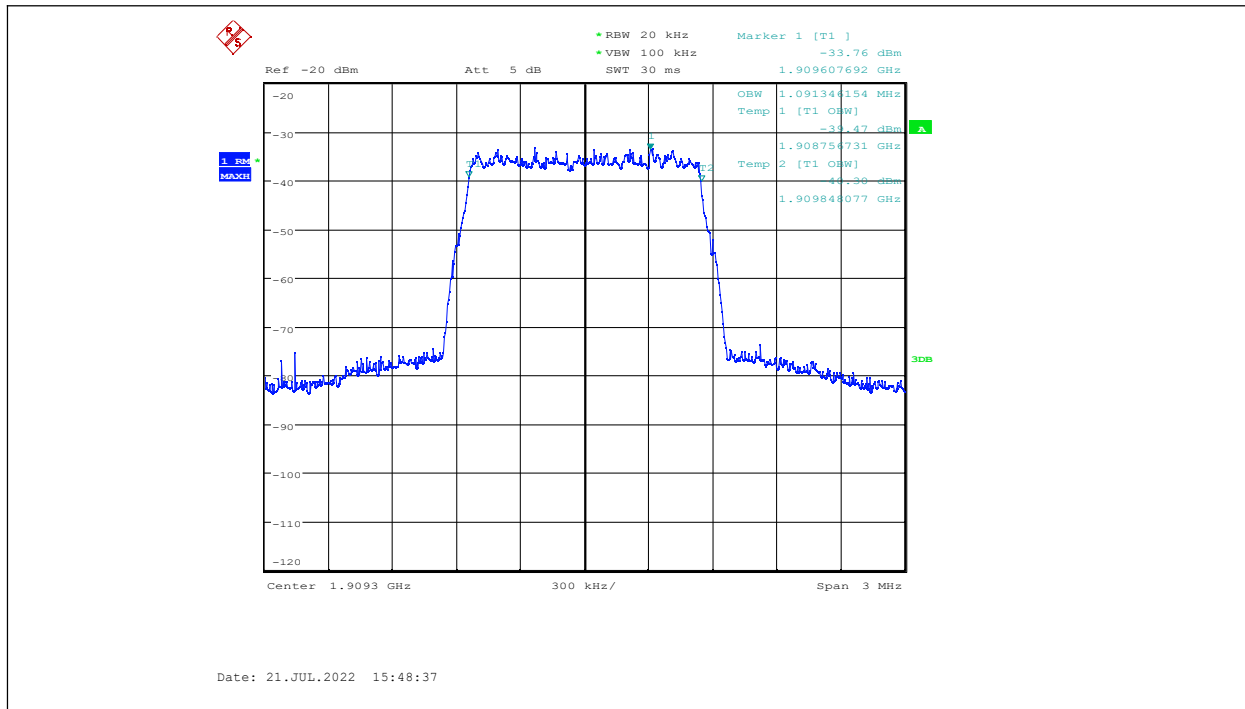
Date: 21.JUL.2022 14:58:13



Date: 13.JUN.2022 22:50:13

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

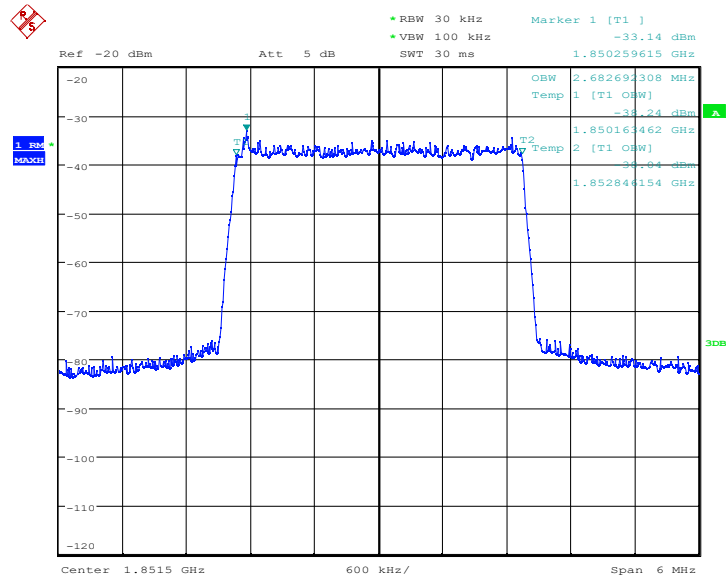


#### LTE band 2,3MHz(99%)

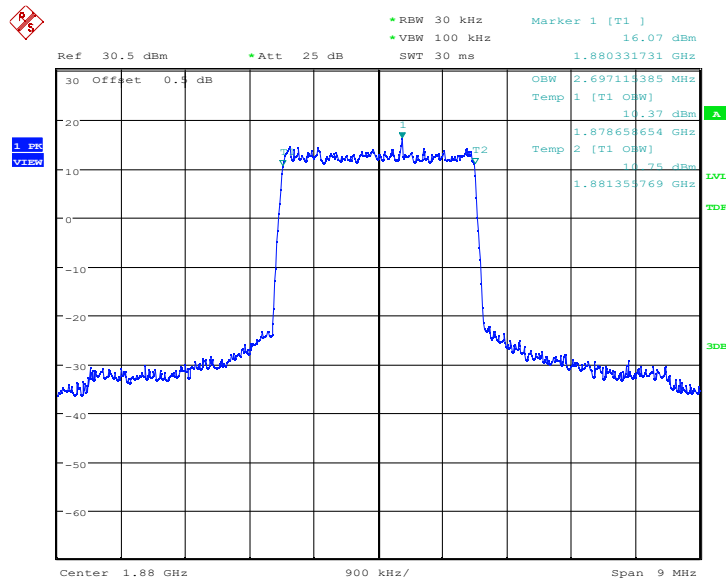
| Frequency (MHz)                           | Occupied Bandwidth (99%)(MHz) |       |
|-------------------------------------------|-------------------------------|-------|
|                                           | QPSK                          | 16QAM |
| 1851.5                                    | 2.682                         | 2.692 |
| 1880                                      | 2.697                         | 2.697 |
| 1908.5                                    | 2.692                         | 2.692 |
| LTE band 2 , 3MHz Bandwidth,QPSK (99% BW) |                               |       |

### Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:02:25

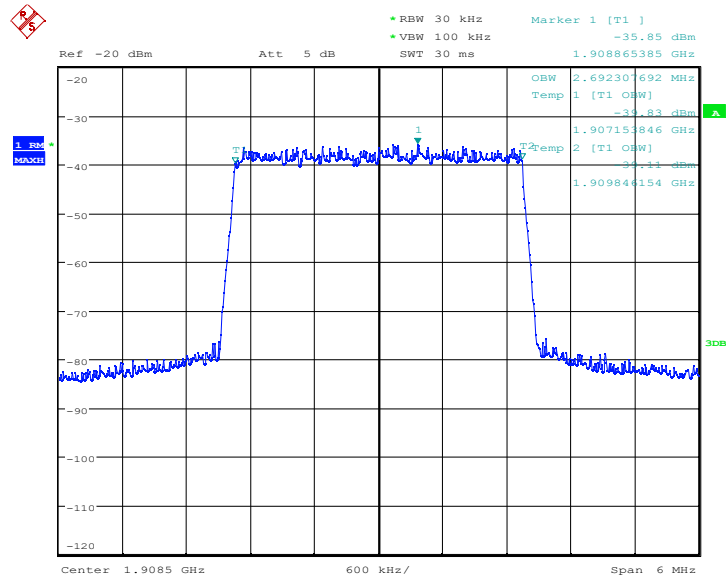


Date: 13.JUN.2022 22:50:39

## Chongqing Academy of Information and Communication Technology

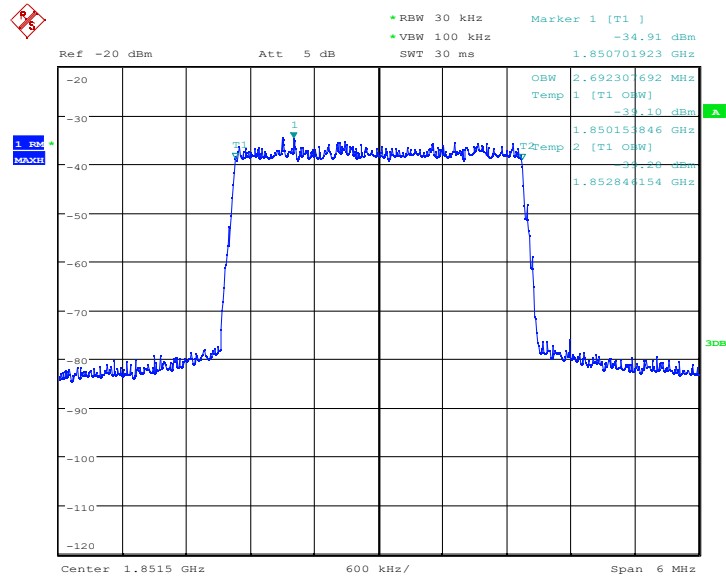
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 21.JUL.2022 15:47:41

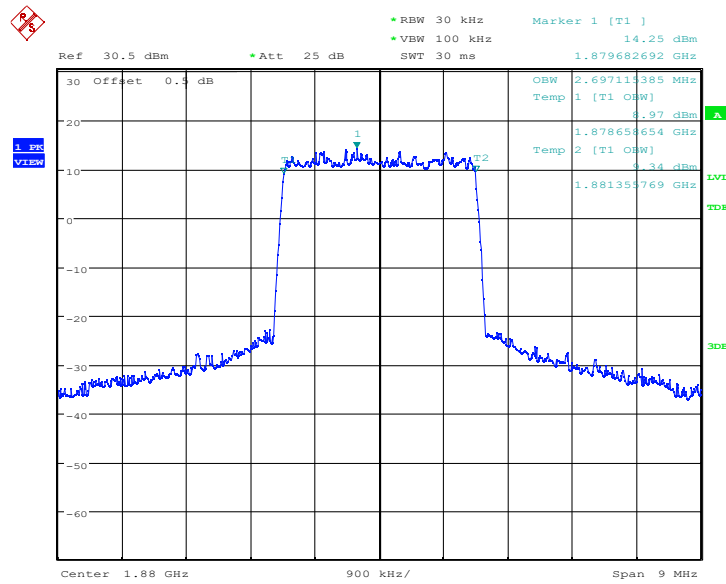
### LTE band 2 , 3MHz Bandwidth,16QAM (99% BW)



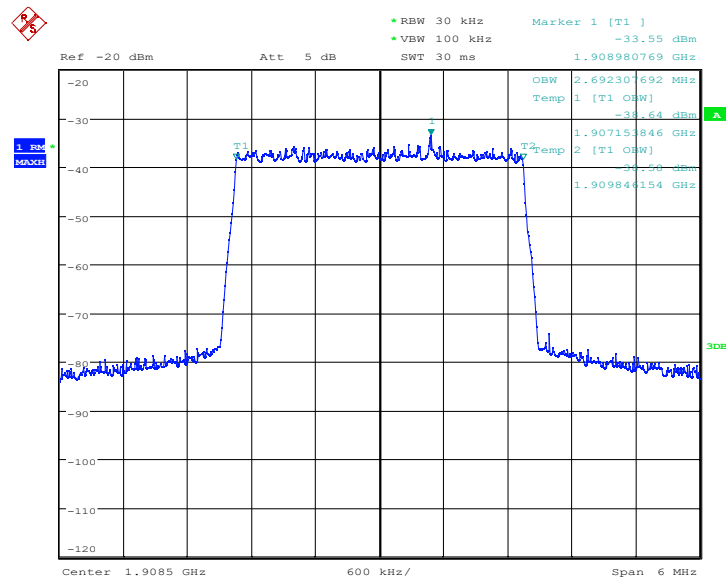
Date: 21.JUL.2022 15:04:17

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:51:01



Date: 21.JUL.2022 15:46:58

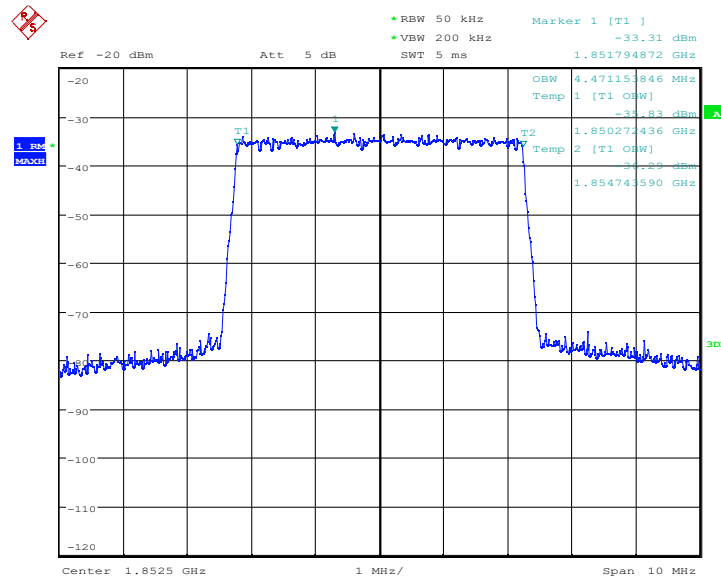
### LTE band 2,5MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 1852.5          | 4.471                         | 4.487 |
| 1880            | 4.471                         | 4.471 |
| 1907.5          | 4.471                         | 4.455 |

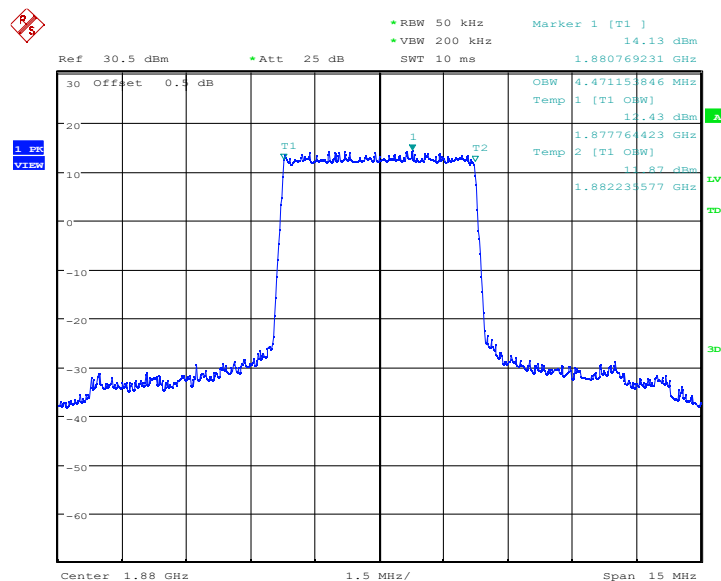
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 2 , 5MHz Bandwidth,QPSK (99% BW)**



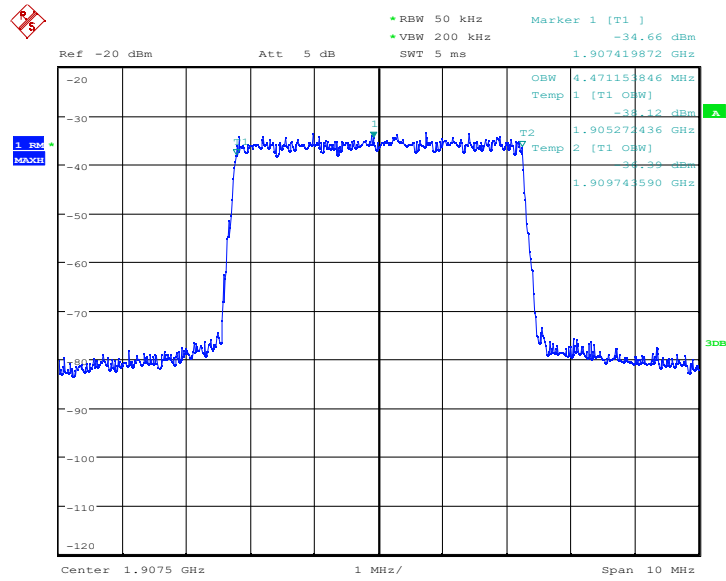
Date: 21.JUL.2022 15:06:27



Date: 13.JUN.2022 22:51:27

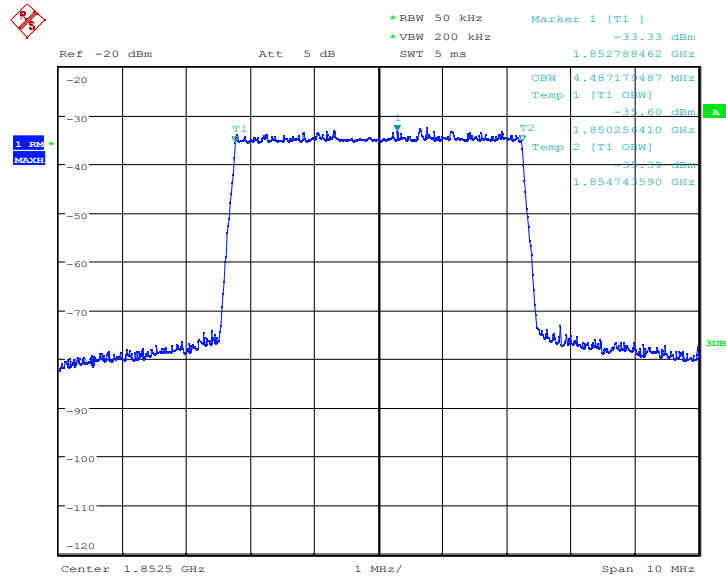
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:45:52

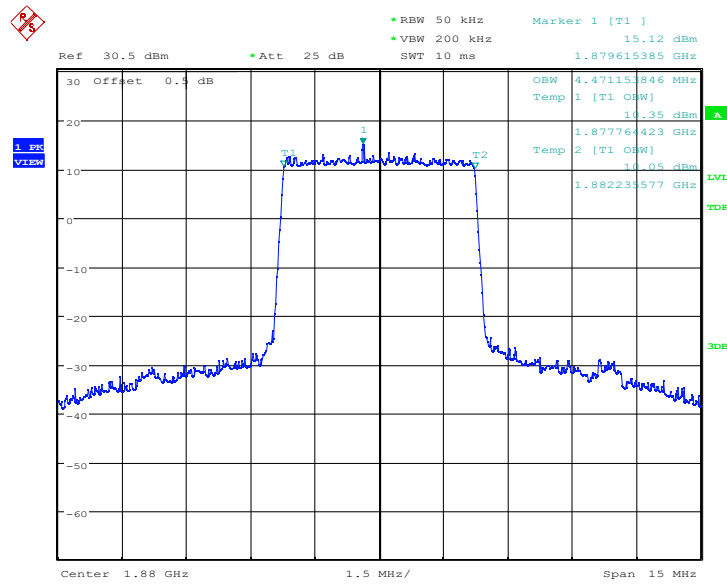
### LTE band 2 , 5MHz Bandwidth,16QAM (99% BW)



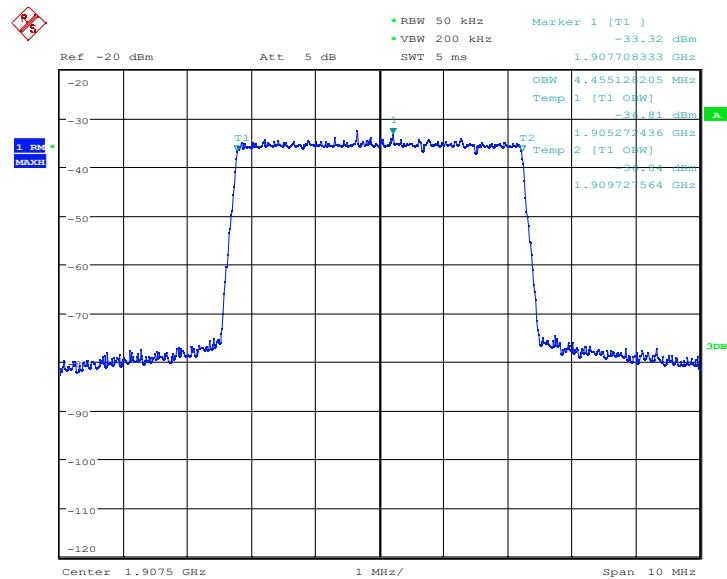
Date: 21.JUL.2022 15:05:43

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:51:49



Date: 21.JUL.2022 15:45:14

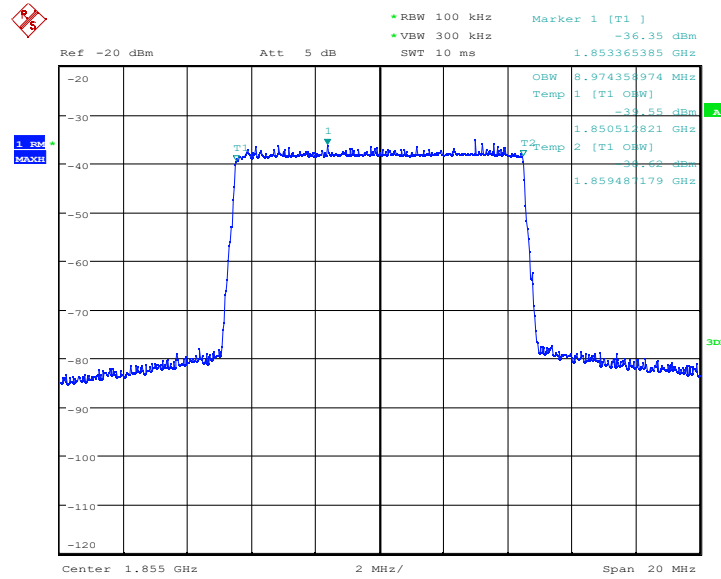
### LTE band 2,10MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 1855            | 8.974                         | 8.974 |
| 1880            | 8.942                         | 8.942 |
| 1905            | 8.942                         | 8.942 |

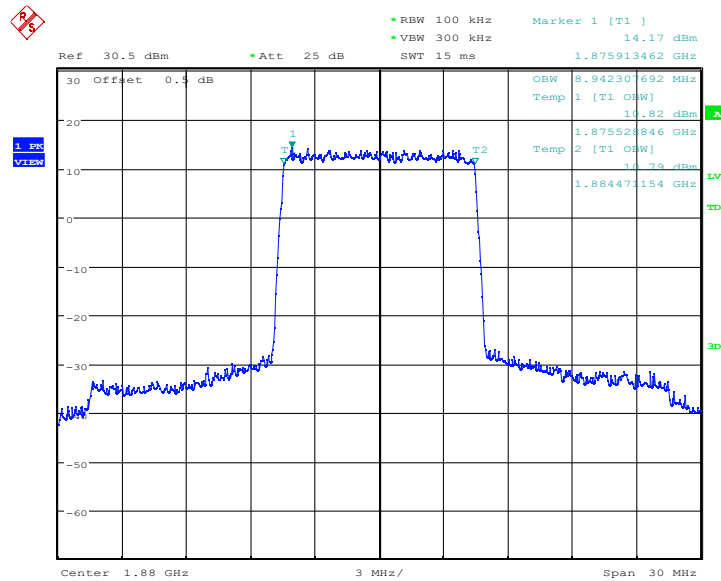
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### LTE band 2 , 10MHz Bandwidth,QPSK (99% BW)



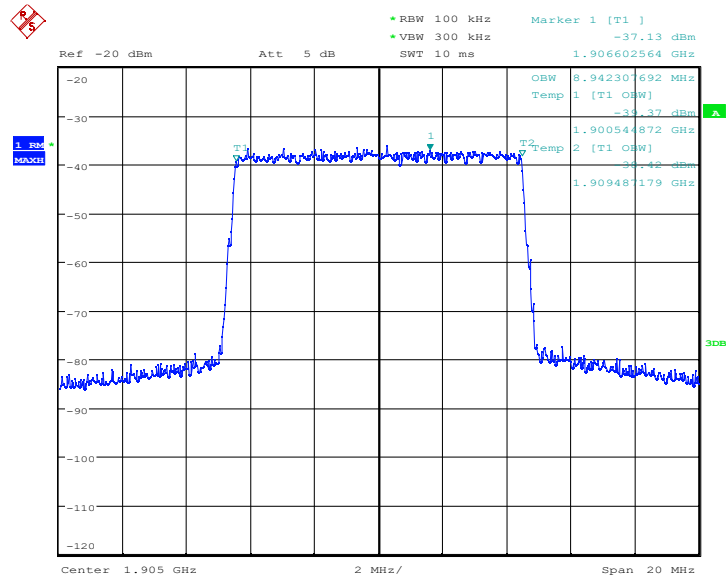
Date: 21.JUL.2022 15:35:05



Date: 13.JUN.2022 22:52:20

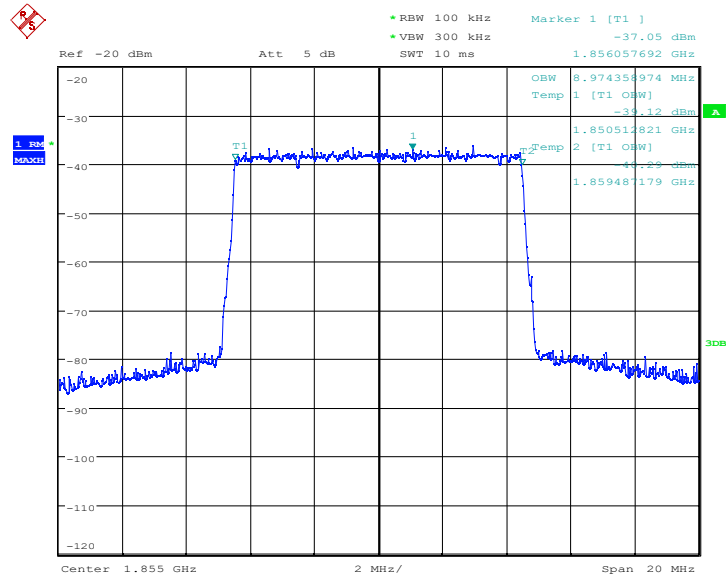
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:44:05

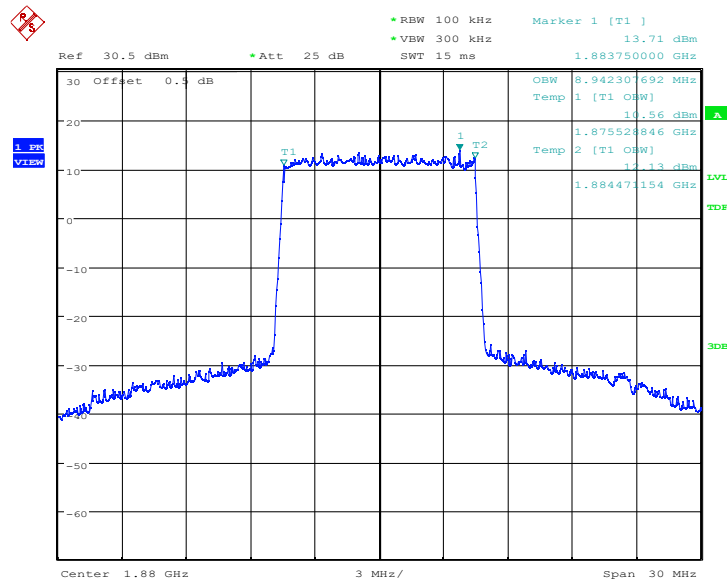
### LTE band 2 , 10MHz Bandwidth,16QAM (99% BW)



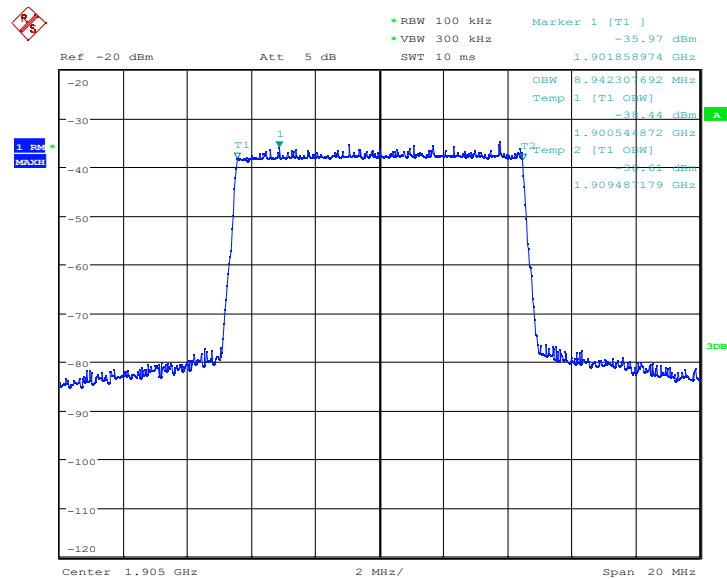
Date: 21.JUL.2022 15:35:54

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:52:42



Date: 21.JUL.2022 15:43:20

### LTE band 2,15MHz(99%)

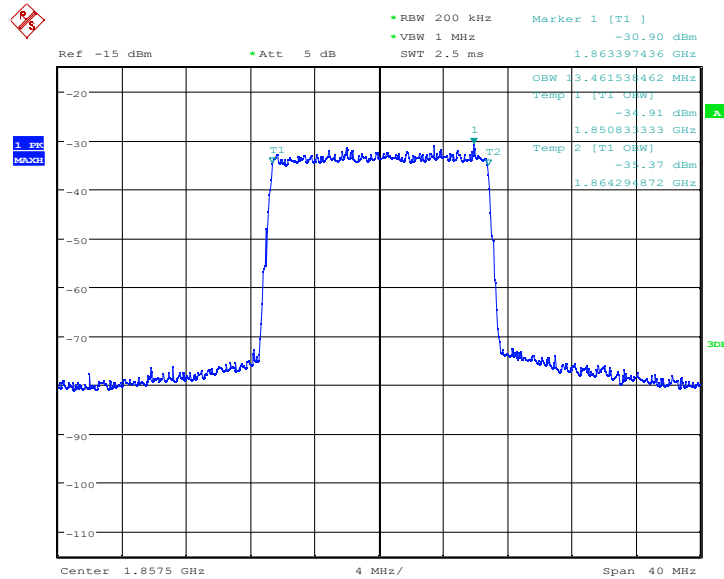
| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |        |
|-----------------|-------------------------------|--------|
|                 | QPSK                          | 16QAM  |
| 1857.5          | 13.462                        | 13.535 |
| 1880            | 13.486                        | 13.486 |
| 1902.5          | 13.461                        | 13.525 |

## Chongqing Academy of Information and Communication Technology

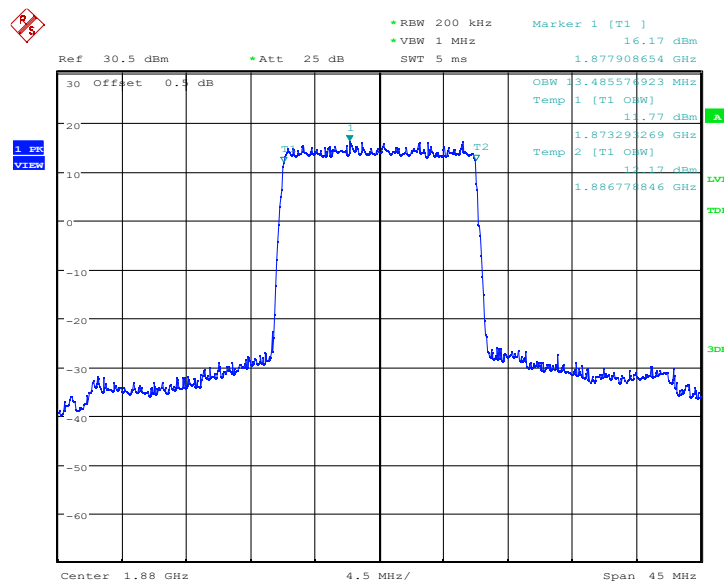
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



**LTE band 2 , 15MHz Bandwidth,QPSK (99% BW)**



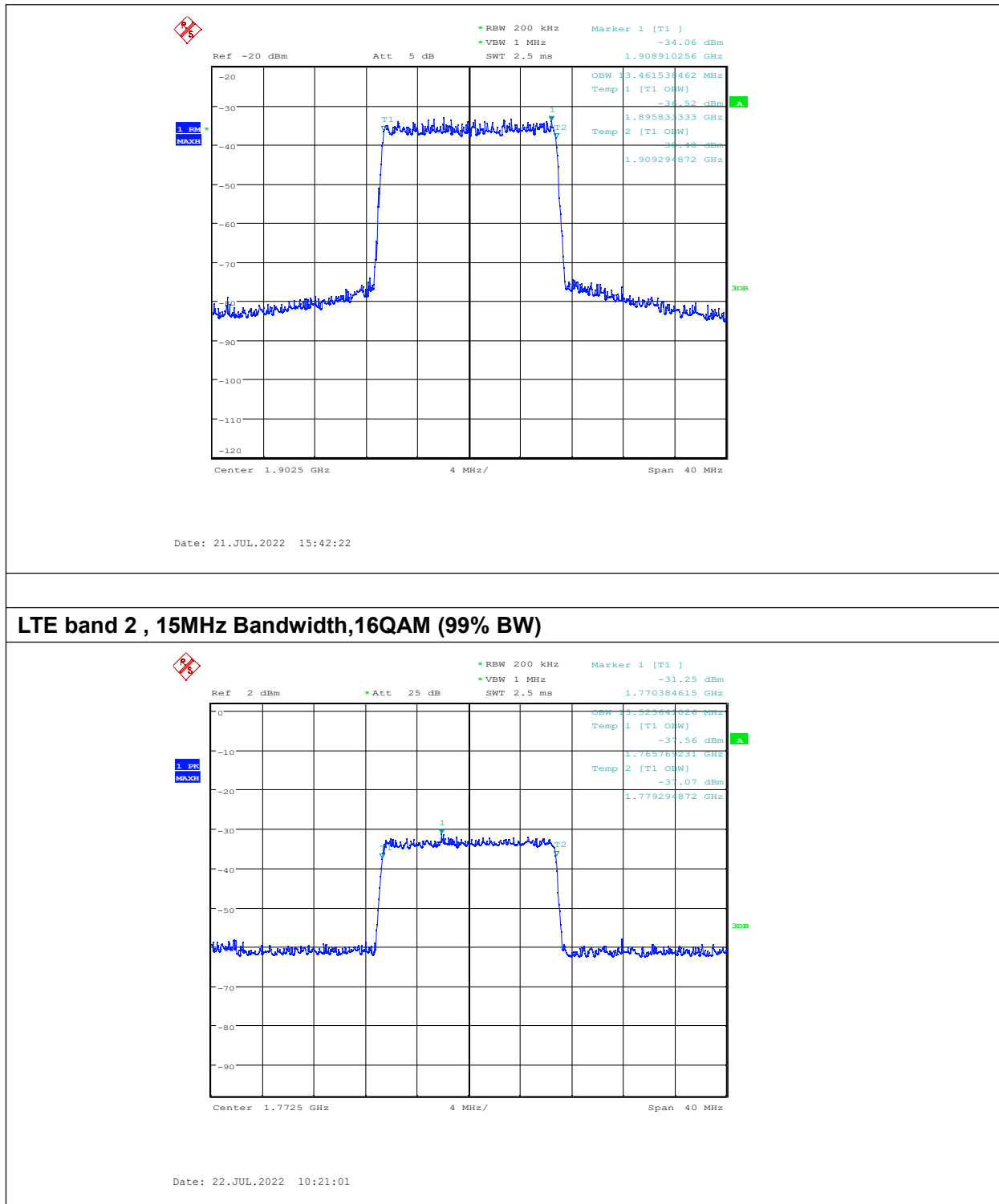
Date: 22.JUL.2022 10:28:33

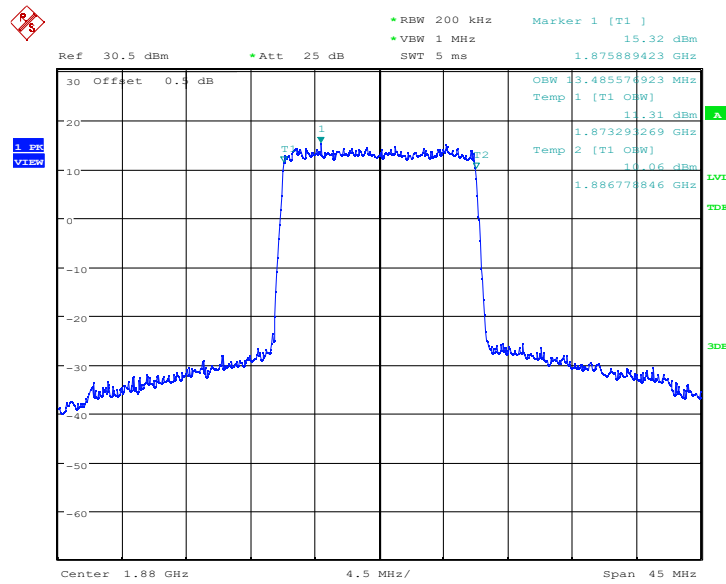


Date: 13.JUN.2022 22:53:09

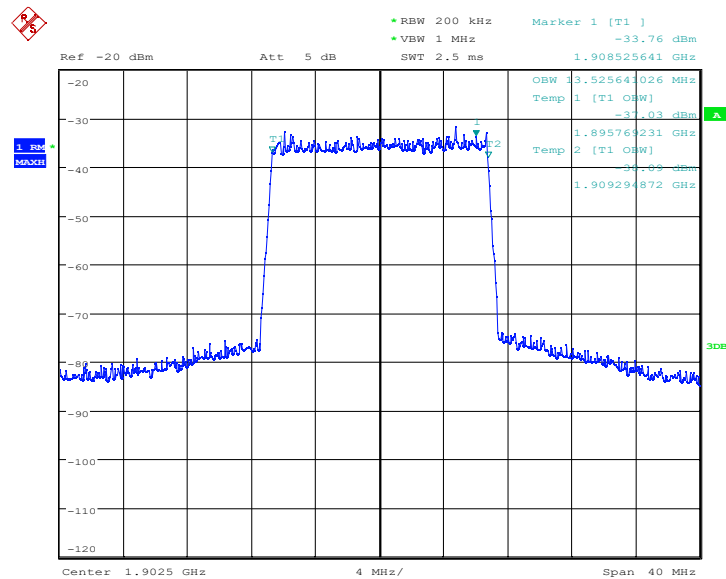
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 13.JUN.2022 22:53:33



Date: 21.JUL.2022 15:41:42

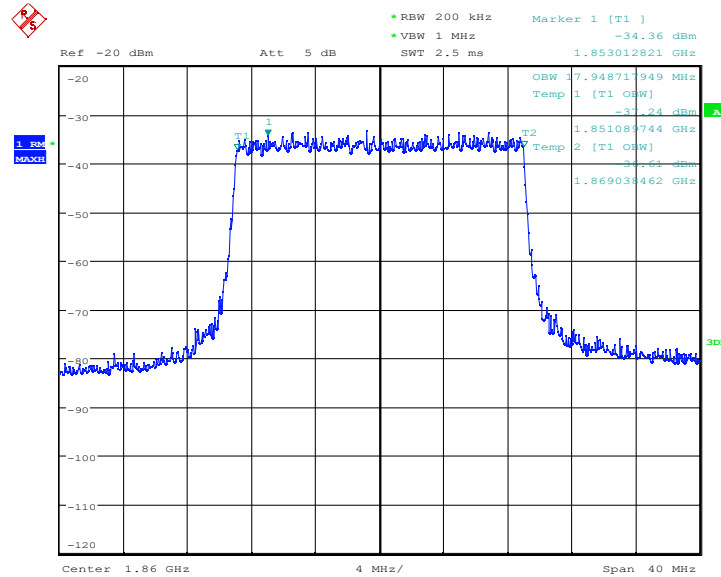
### LTE band 2,20MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |        |
|-----------------|-------------------------------|--------|
|                 | QPSK                          | 16QAM  |
| 1860            | 17.948                        | 17.948 |
| 1880            | 17.885                        | 17.981 |
| 1900            | 17.884                        | 17.948 |

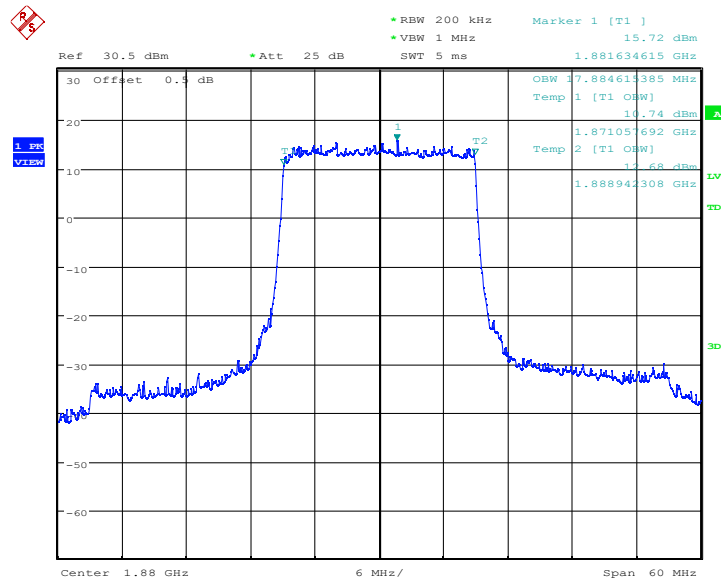
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 2 , 20MHz Bandwidth,QPSK (99% BW)**



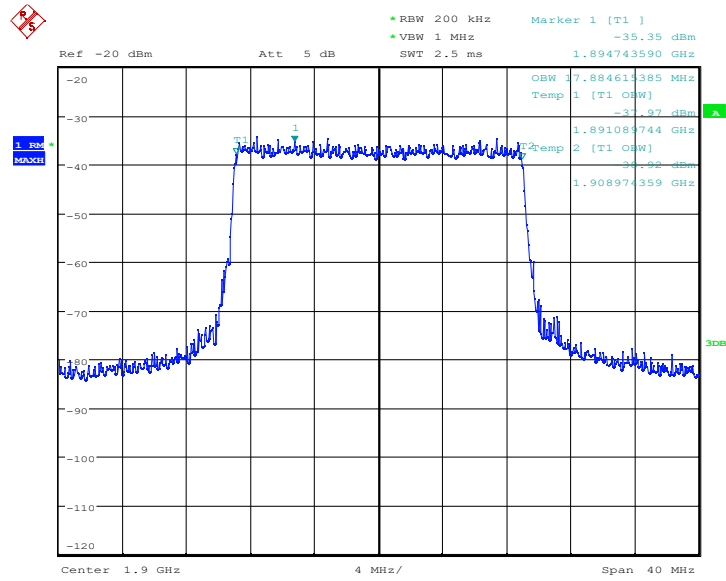
Date: 21.JUL.2022 15:38:21



Date: 13.JUN.2022 22:54:00

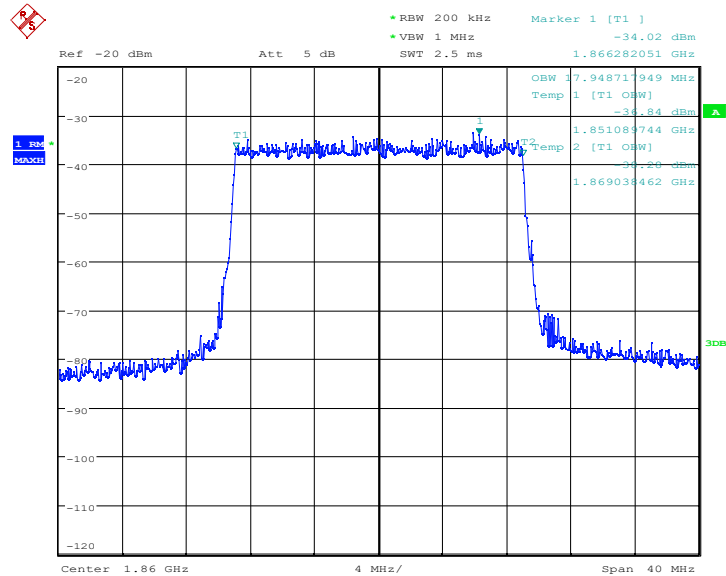
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:40:55

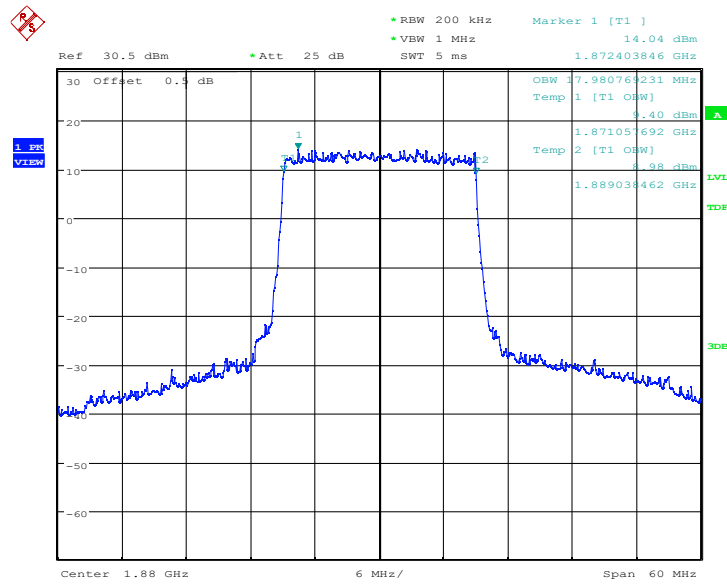
### LTE band 2 , 20MHz Bandwidth,16QAM (99% BW)



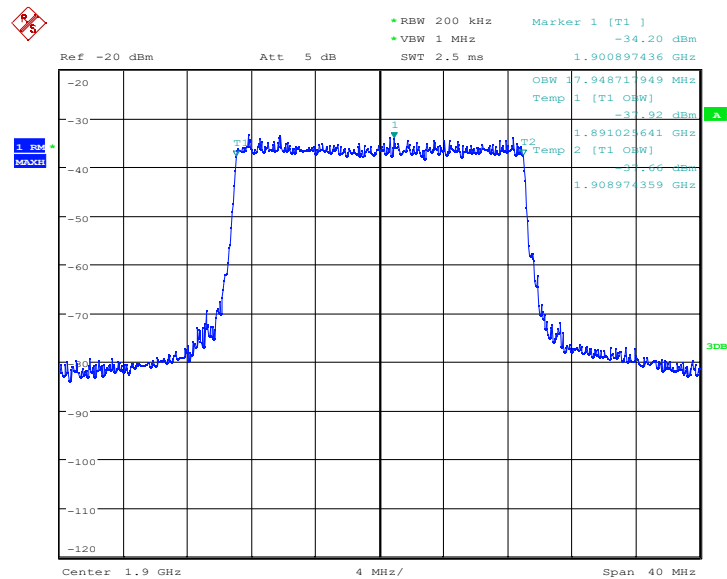
Date: 21.JUL.2022 15:39:01

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:54:23



Date: 21.JUL.2022 15:40:16

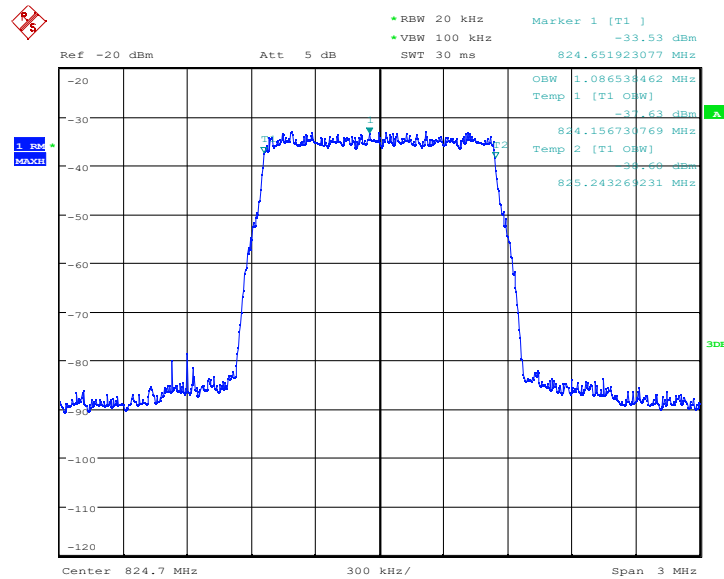
### LTE band 5,1.4MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 824.7           | 1.086                         | 1.086 |
| 836.5           | 1.097                         | 1.090 |
| 848.3           | 1.086                         | 1.086 |

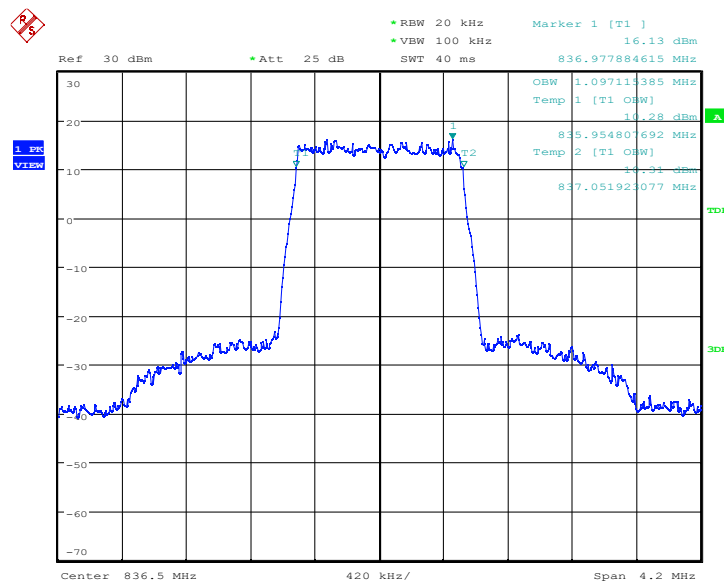
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 5 , 1.4MHz Bandwidth,QPSK (99% BW)**



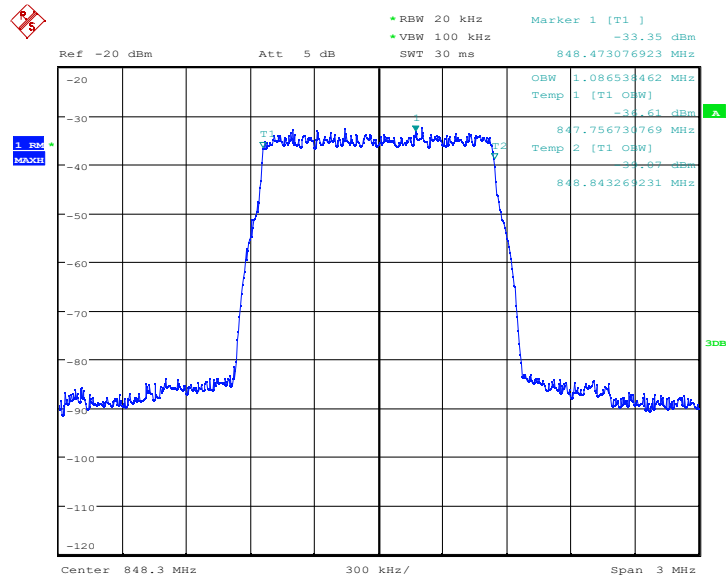
Date: 21.JUL.2022 15:52:20



Date: 13.JUN.2022 22:55:19

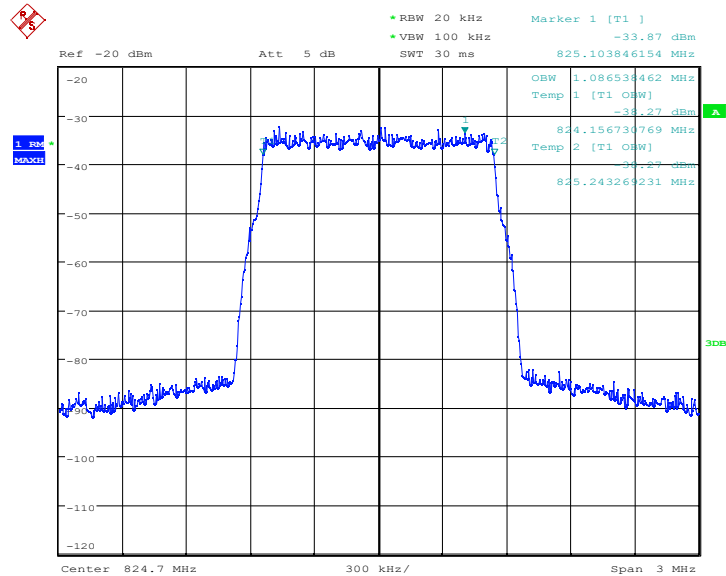
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:08:57

### LTE band 5 , 1.4MHz Bandwidth,16QAM (99% BW)

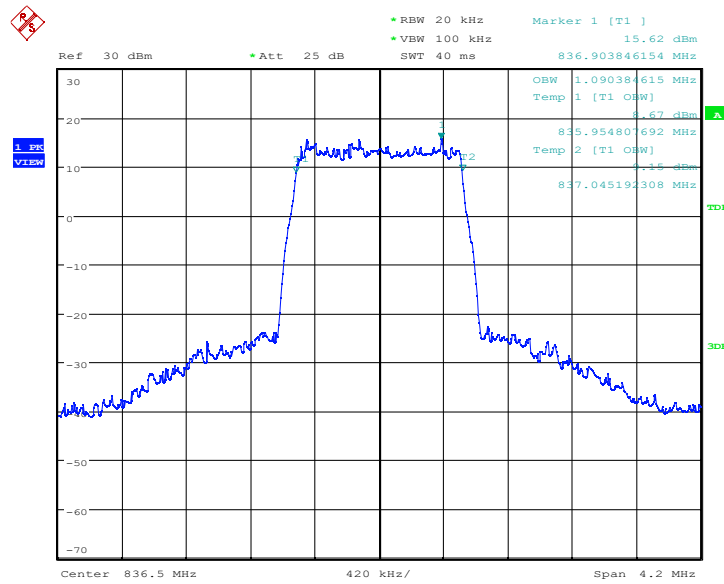


Date: 21.JUL.2022 15:53:15

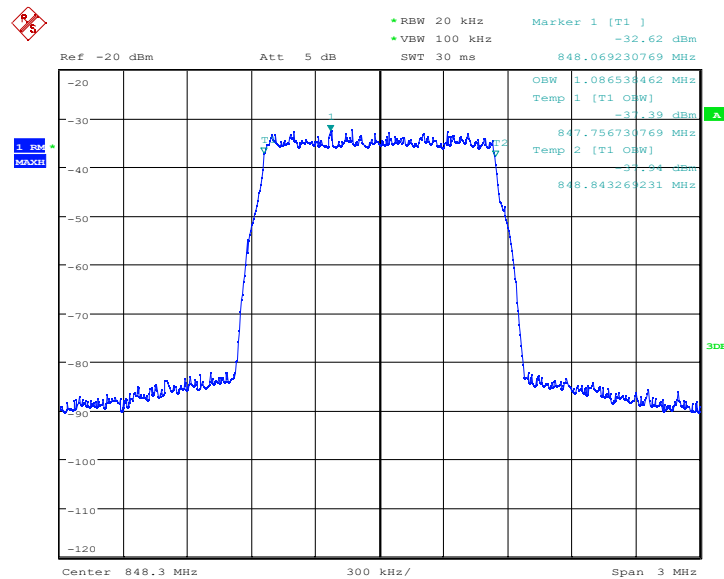
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 13.JUN.2022 22:55:42



Date: 21.JUL.2022 16:08:10

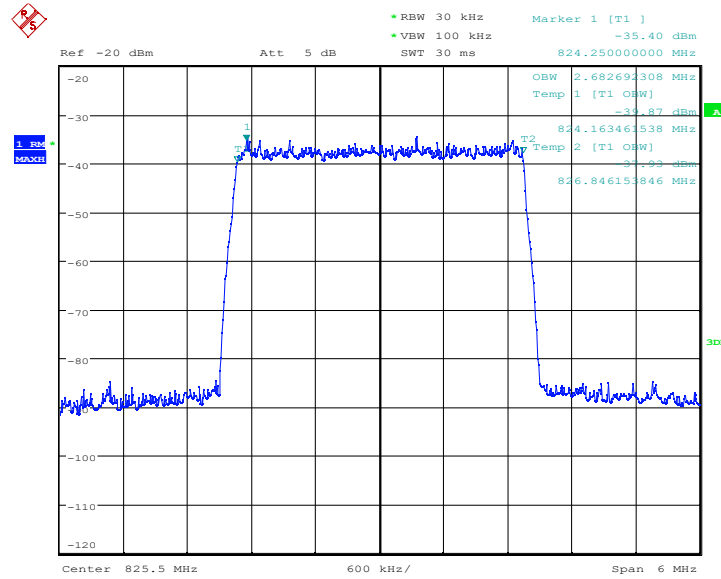
### LTE band 5,3MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 825.5           | 2.682                         | 2.682 |
| 836.5           | 2.697                         | 2.697 |
| 847.5           | 2.692                         | 2.692 |

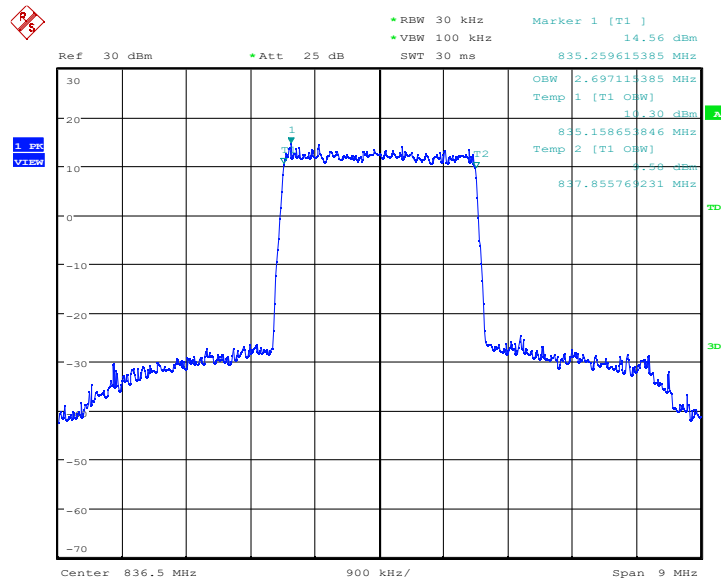
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 5 , 3MHz Bandwidth,QPSK (99% BW)**



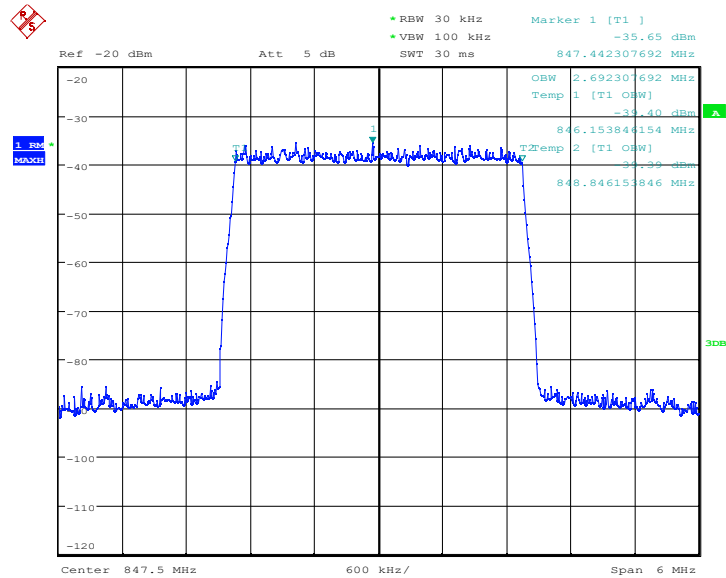
Date: 21.JUL.2022 15:54:03



Date: 13.JUN.2022 22:56:08

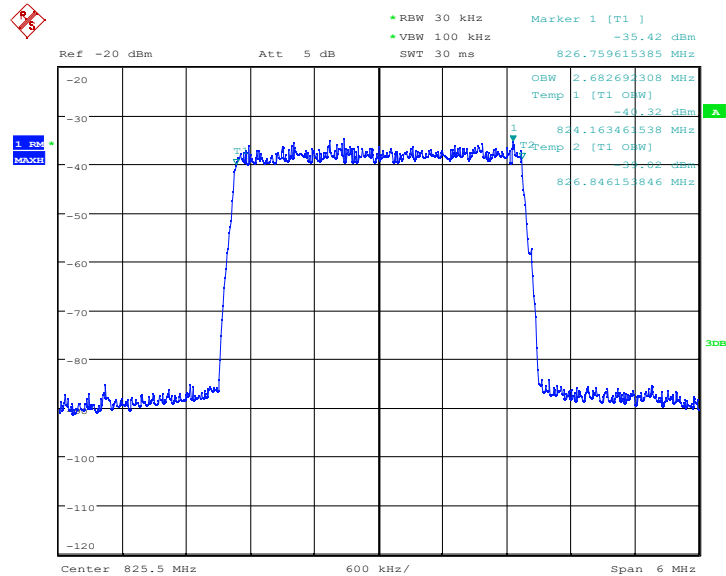
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:07:29

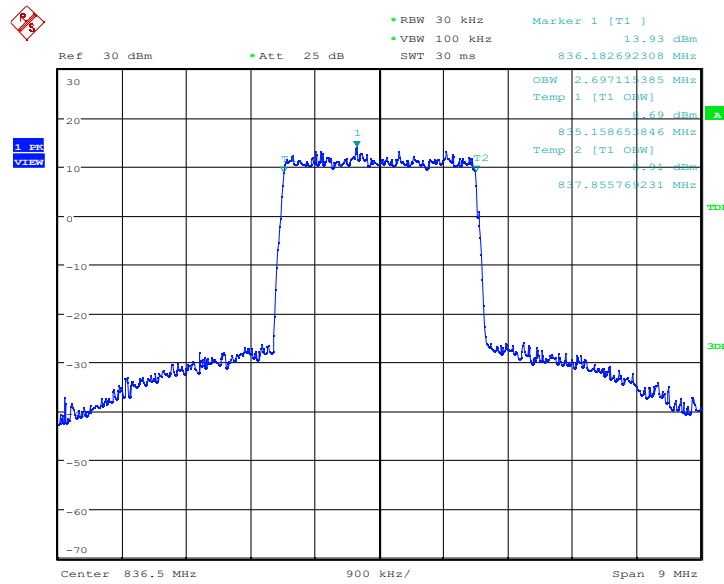
### LTE band 5 , 3MHz Bandwidth,16QAM (99% BW)



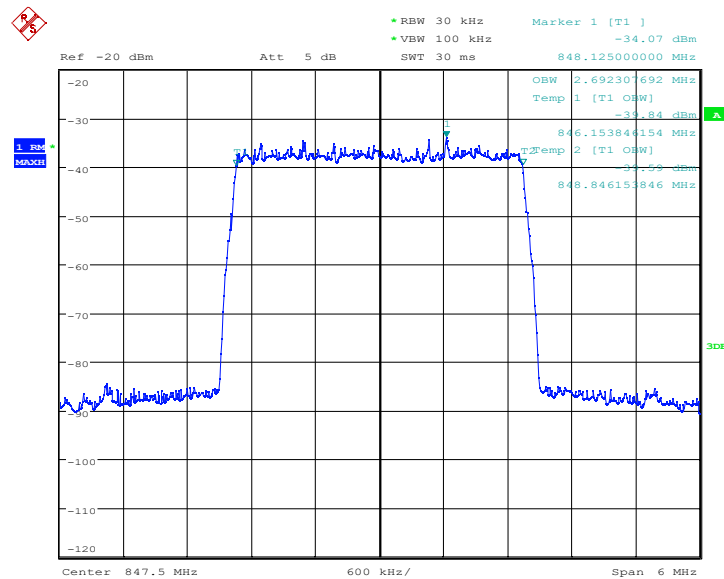
Date: 21.JUL.2022 15:54:46

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:56:33



Date: 21.JUL.2022 16:06:47

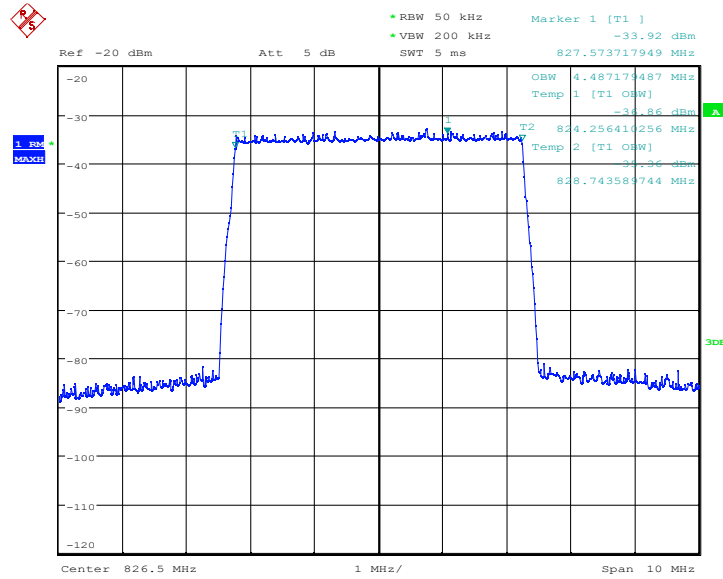
### LTE band 5,5MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 826.5           | 4.487                         | 4.471 |
| 836.5           | 4.471                         | 4.471 |
| 846.5           | 4.471                         | 4.471 |

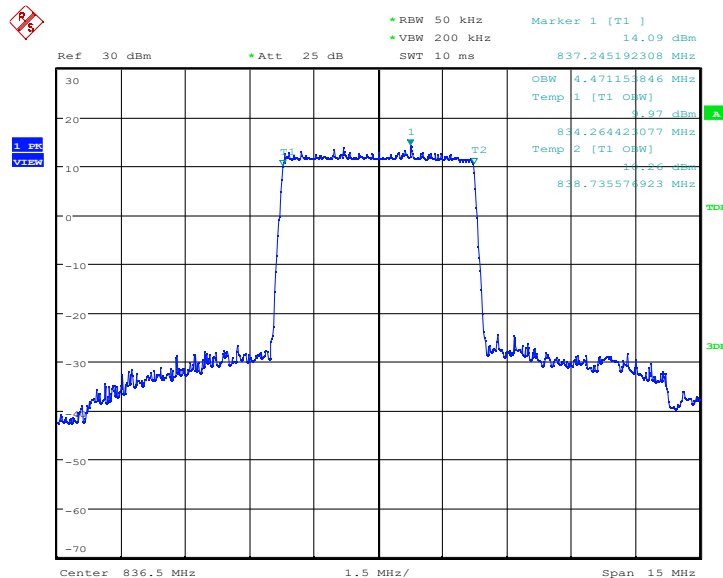
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 5 , 5MHz Bandwidth,QPSK (99% BW)**



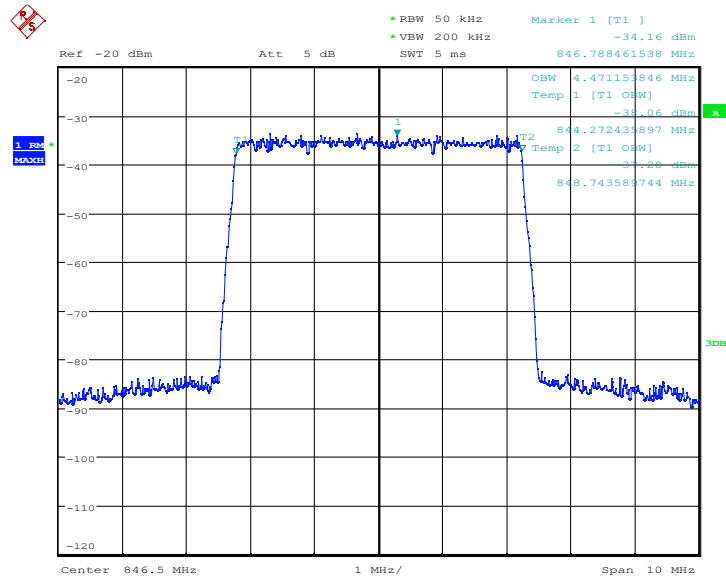
Date: 21.JUL.2022 15:55:34



Date: 13.JUN.2022 22:57:00

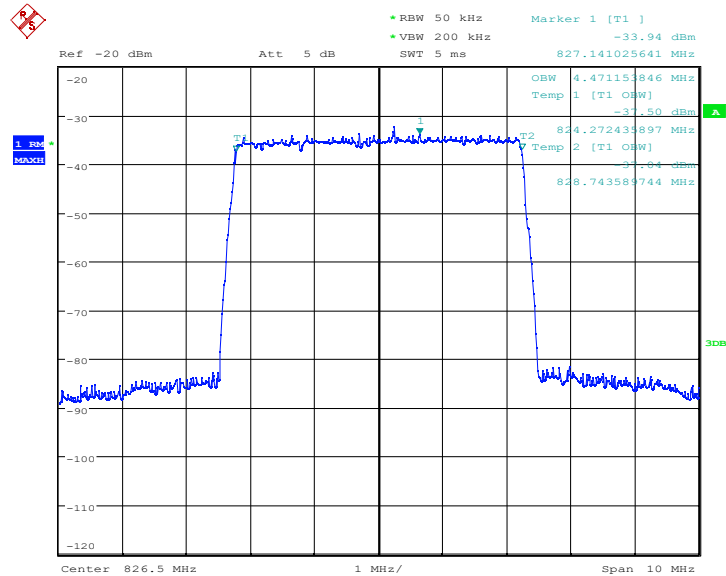
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:05:58

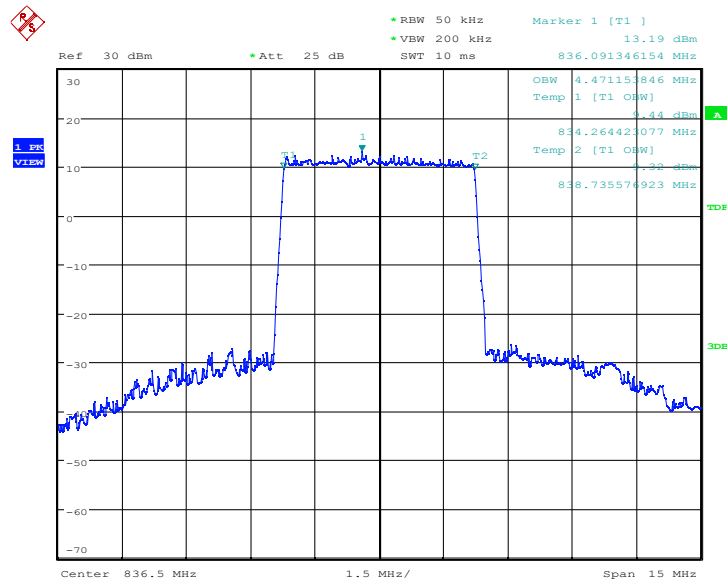
### LTE band 5 , 5MHz Bandwidth,16QAM (99% BW)



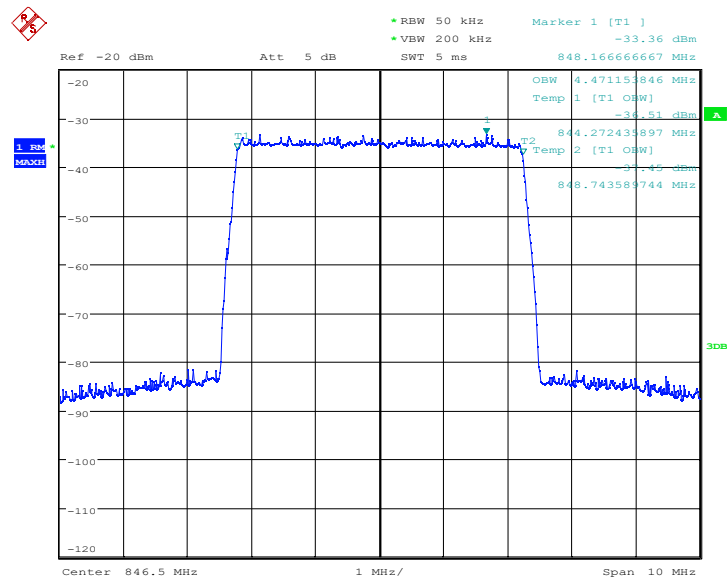
Date: 21.JUL.2022 15:56:15

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:57:23



Date: 21.JUL.2022 16:05:14

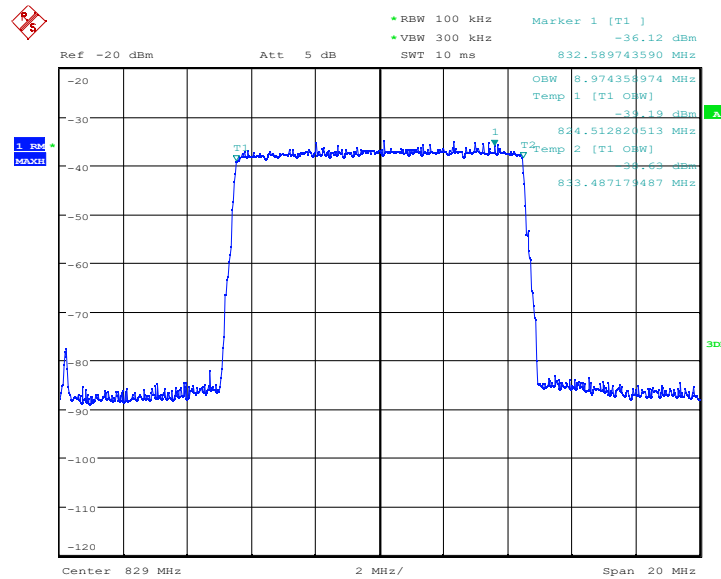
### LTE band 5,10MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 829             | 8.974                         | 8.910 |
| 836.5           | 8.942                         | 8.942 |
| 844             | 8.942                         | 8.974 |

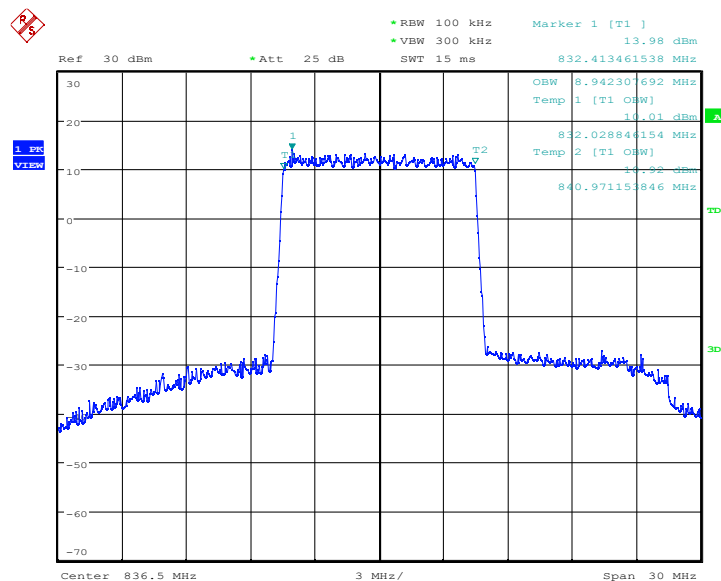
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 5 , 10MHz Bandwidth,QPSK (99% BW)**



Date: 21.JUL.2022 15:57:13

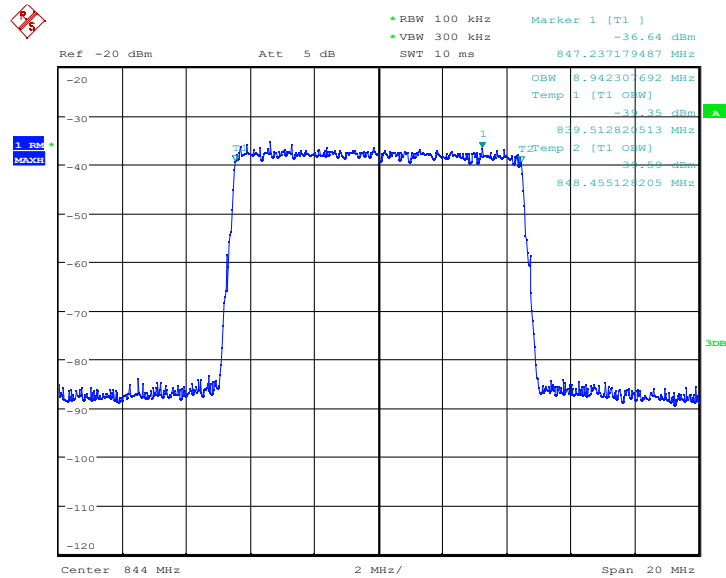


Date: 13.JUN.2022 22:57:49

**Chongqing Academy of Information and Communication Technology**

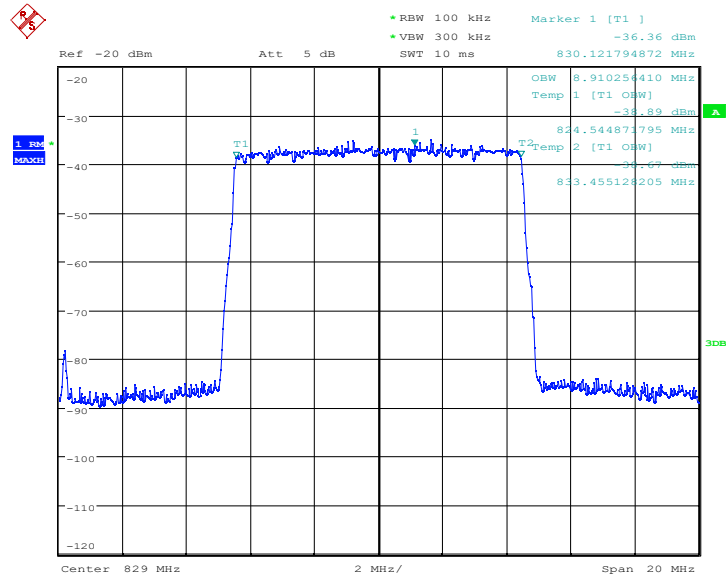
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 21.JUL.2022 16:04:26

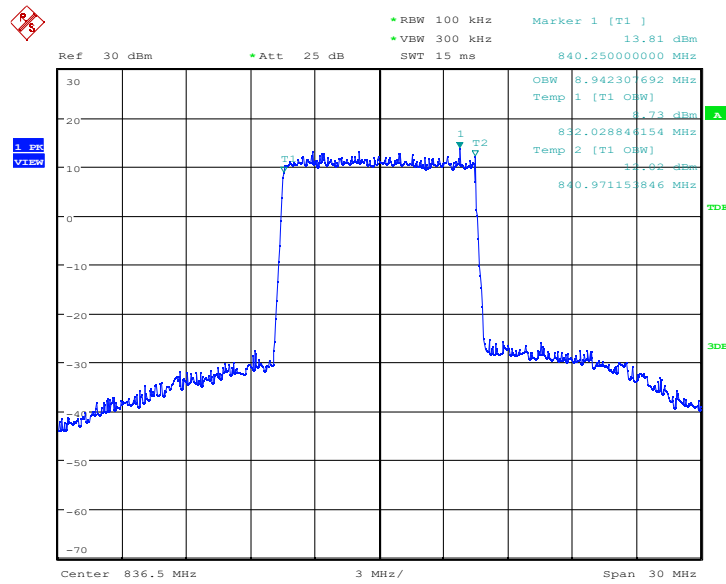
### LTE band 5 , 10MHz Bandwidth,16QAM (99% BW)



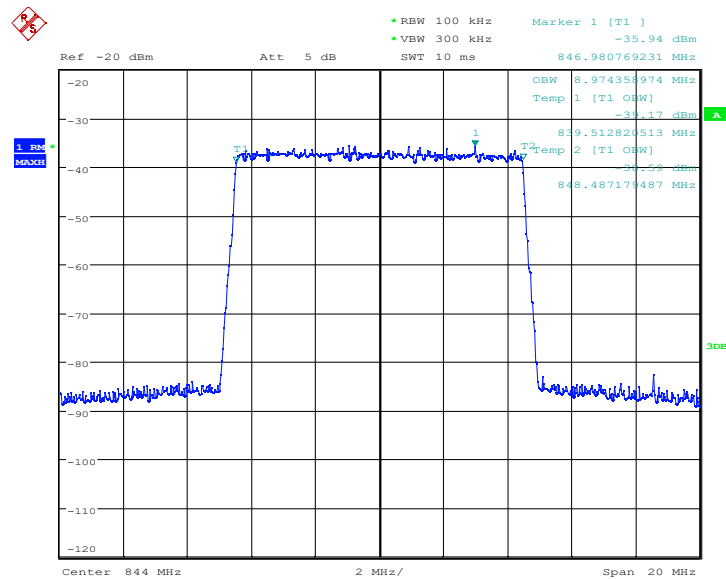
Date: 21.JUL.2022 15:57:55

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:58:11



Date: 21.JUL.2022 16:03:41

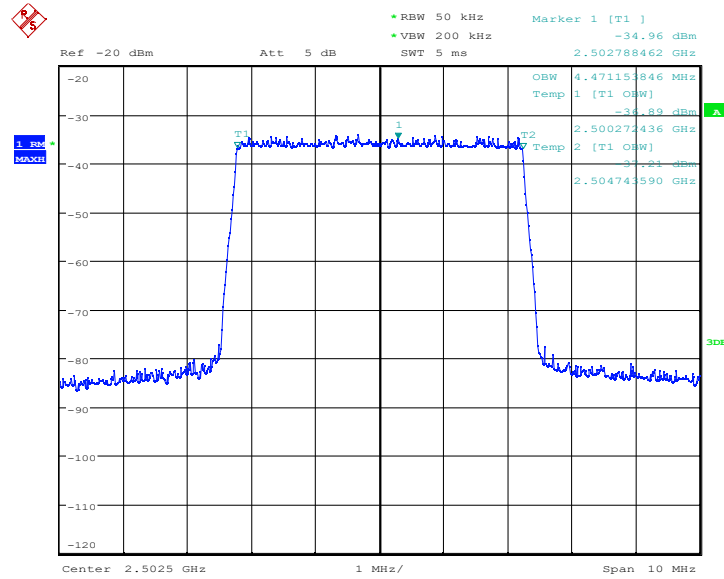
### LTE band 7,5MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 2502.5          | 4.471                         | 4.471 |
| 2535            | 4.471                         | 4.471 |
| 2567.5          | 4.455                         | 4.471 |

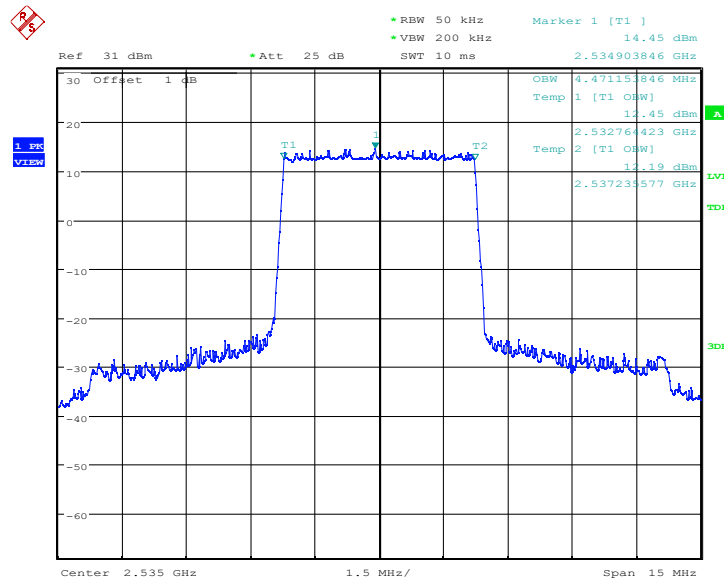
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 7 , 5MHz Bandwidth,QPSK (99% BW)**



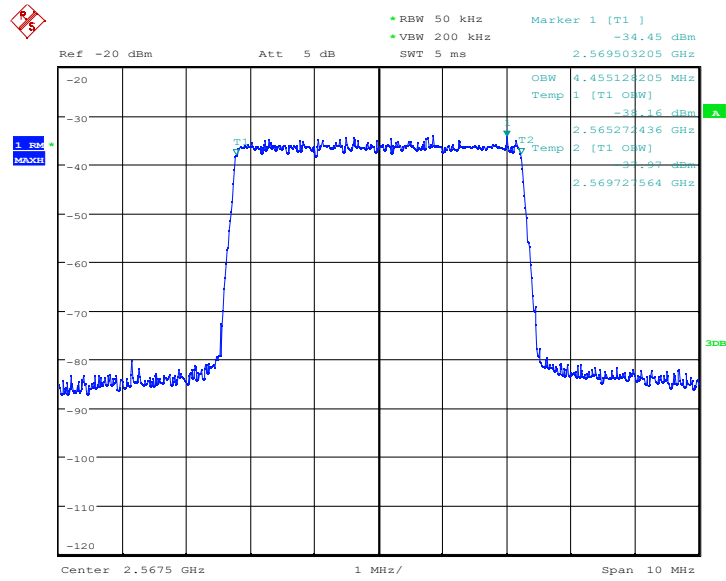
Date: 21.JUL.2022 16:27:18



Date: 13.JUN.2022 22:58:41

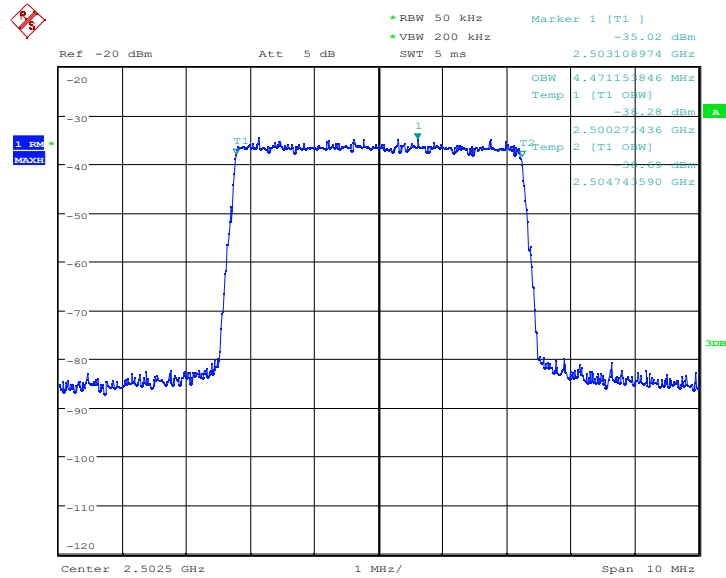
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:39:39

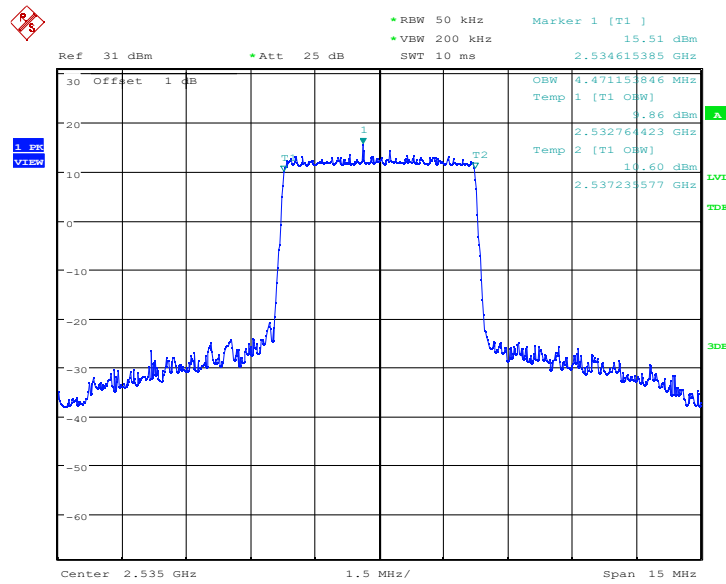
### LTE band 7 , 5MHz Bandwidth,16QAM (99% BW)



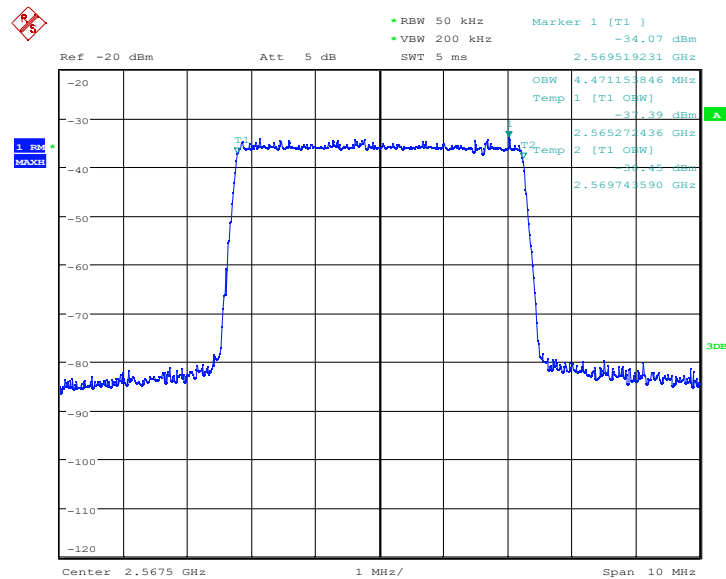
Date: 21.JUL.2022 16:28:23

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:59:05



Date: 21.JUL.2022 16:38:49

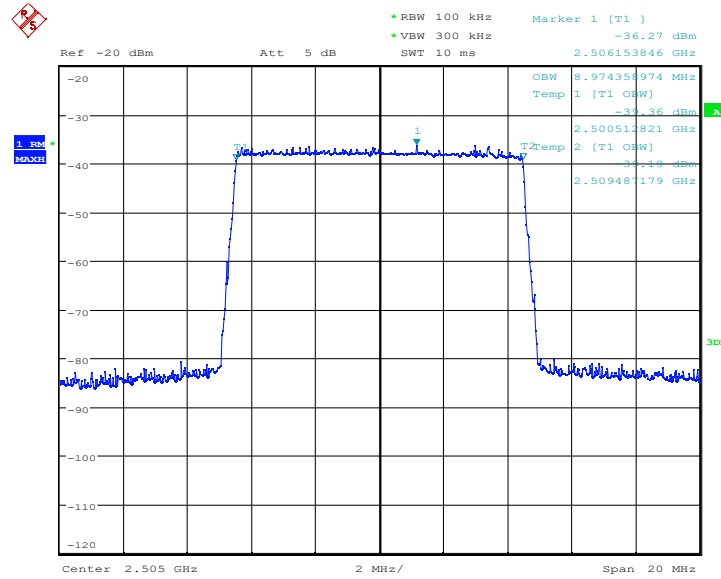
### LTE band 7,10MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 2505            | 8.974                         | 8.910 |
| 2535            | 8.942                         | 8.942 |
| 2565            | 8.942                         | 8.942 |

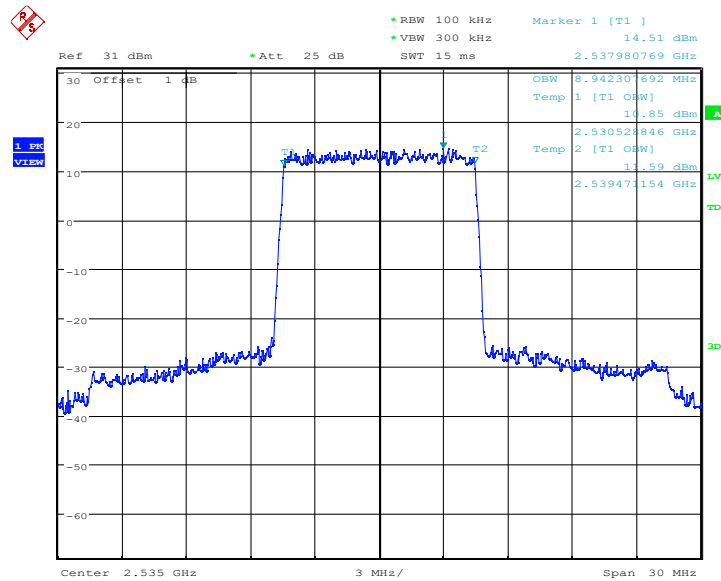
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 7 , 10MHz Bandwidth,QPSK (99% BW)**



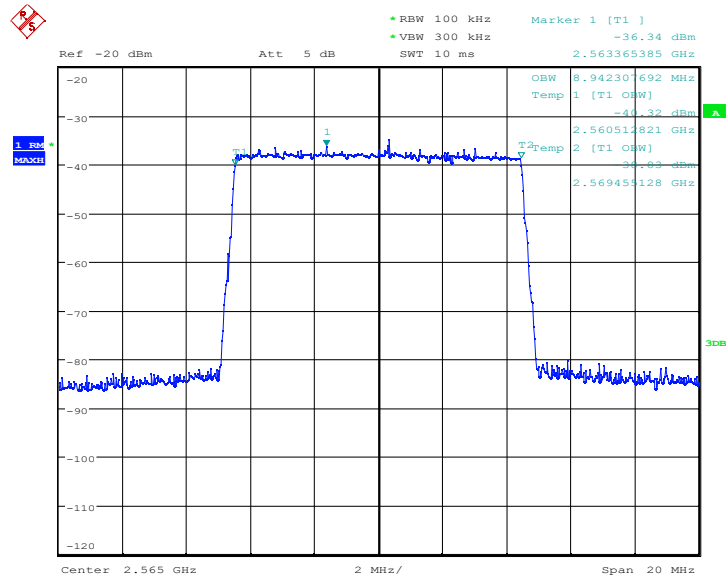
Date: 21.JUL.2022 16:29:07



Date: 13.JUN.2022 22:59:32

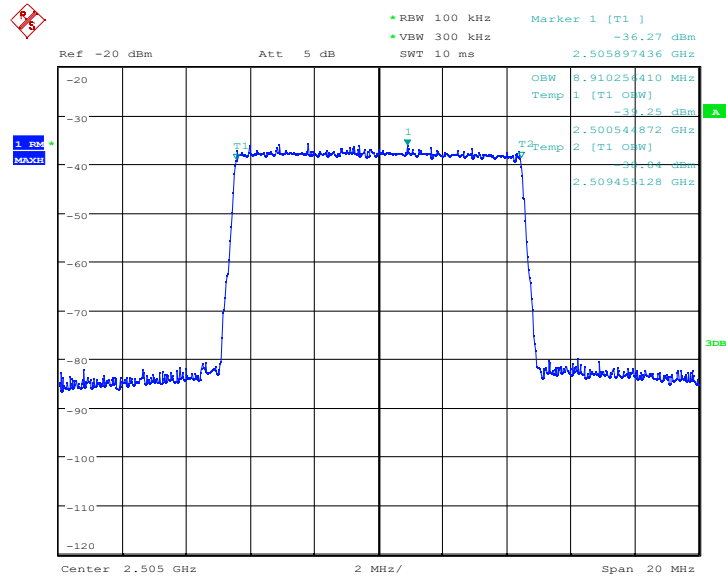
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:38:03

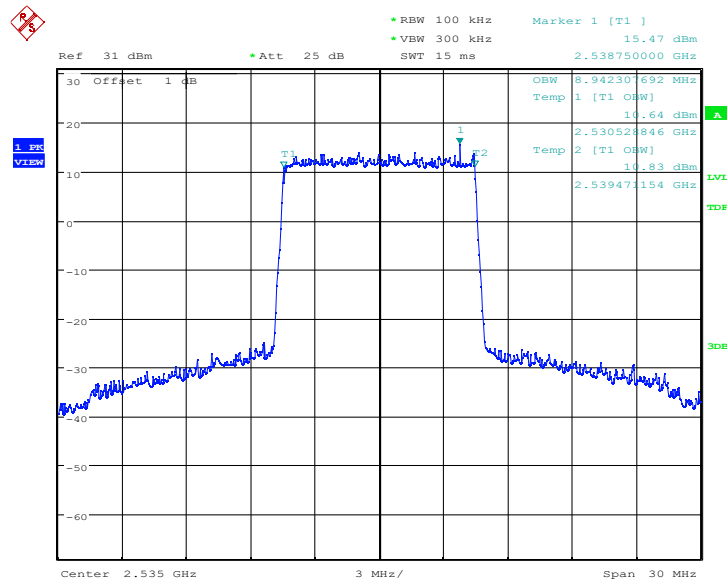
### LTE band 7 , 10MHz Bandwidth,16QAM (99% BW)



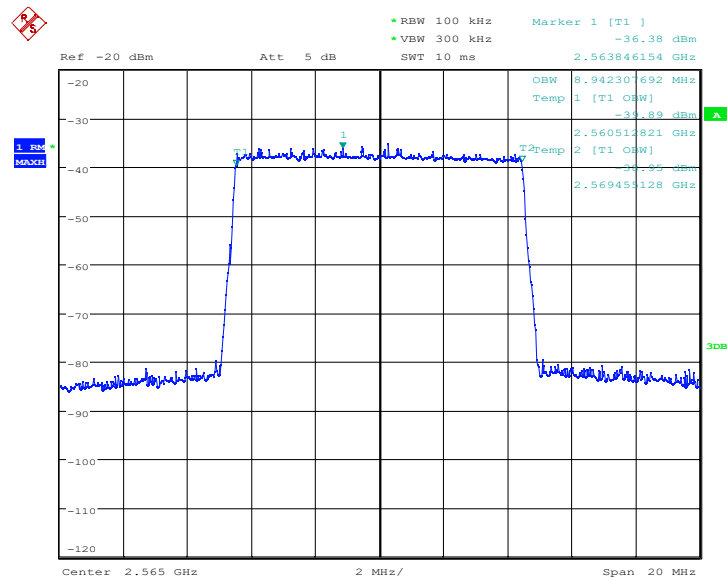
Date: 21.JUL.2022 16:29:58

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:59:55



Date: 21.JUL.2022 16:37:19

### LTE band 7,15MHz(99%)

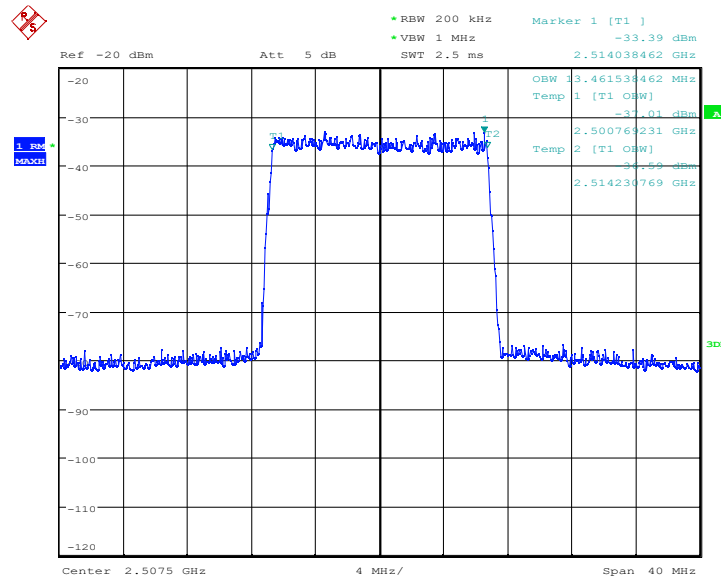
| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |        |
|-----------------|-------------------------------|--------|
|                 | QPSK                          | 16QAM  |
| 2507.5          | 13.461                        | 13.461 |
| 2535            | 13.486                        | 13.486 |
| 2562.5          | 13.462                        | 13.526 |

## Chongqing Academy of Information and Communication Technology

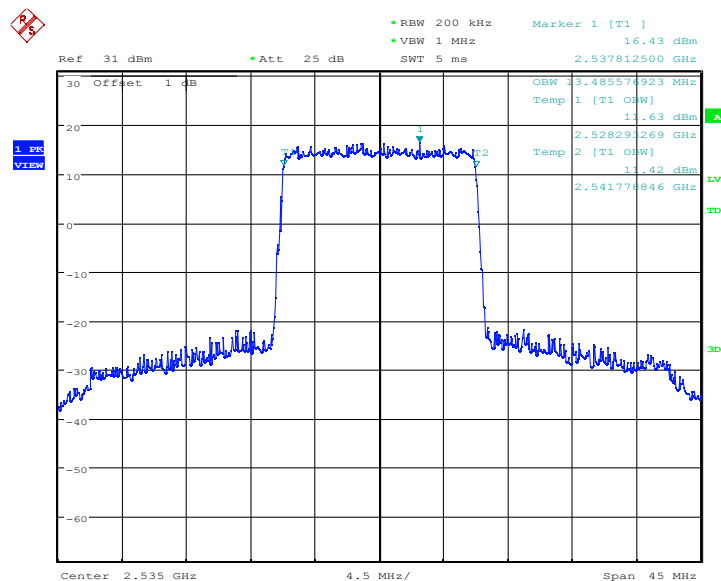
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



**LTE band 7 , 15MHz Bandwidth,QPSK (99% BW)**



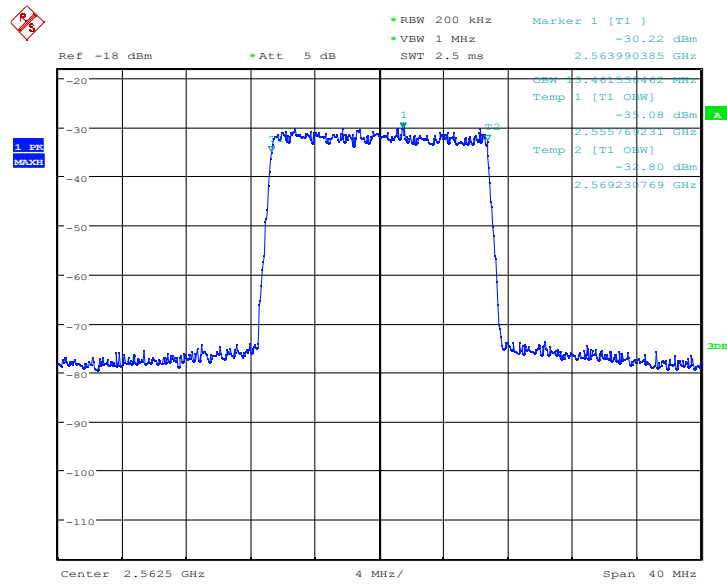
Date: 21.JUL.2022 16:30:39



Date: 13.JUN.2022 23:00:21

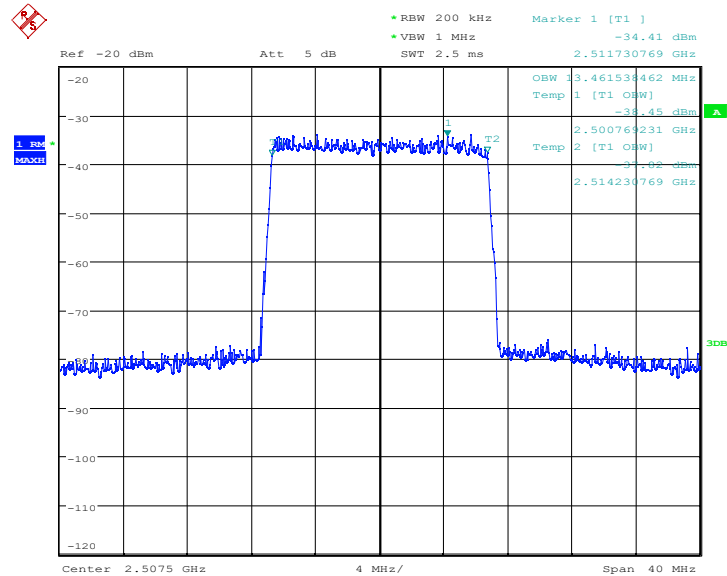
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 22.JUL.2022 10:11:39

### LTE band 7 , 15MHz Bandwidth,16QAM (99% BW)



Date: 21.JUL.2022 16:31:23

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Ref 31 dBm      • Att 25 dB      • RBW 200 kHz      • VBW 1 MHz      Marker 1 [T1]      15.83 dBm

SWT 5 ms      2.539687500 GHz

Offset 1 dB

OBW 3.485574923 MHz  
Temp 1 [T1 OBW] 17.14 dBm

2.528291269 GHz  
Temp 2 [T1 OBW] 10.93 dBm

2.541778846 GHz

Center 2.535 GHz      4.5 MHz/      Span 45 MHz

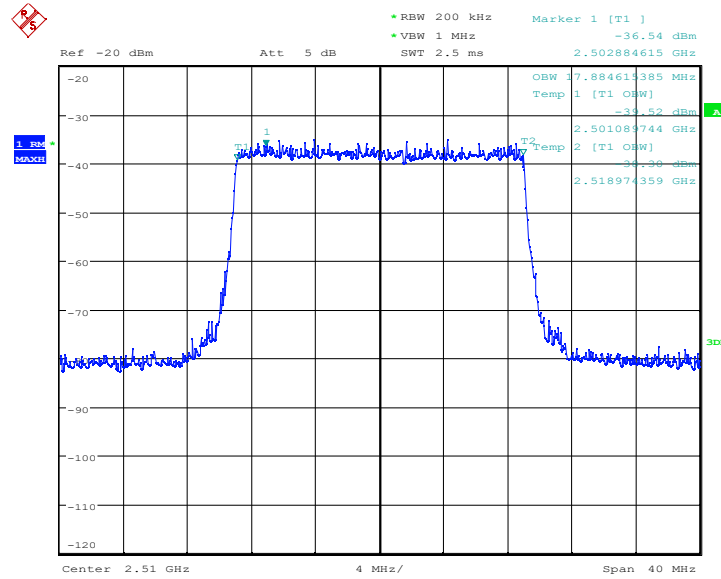
\* RBW 200 kHz  
 \* VBW 1 MHz  
 SWT 2.5 ms  
 Ref -18 dBm  
 \* Att 5 dB  
 Marker 1 [T1]  
 -32.11 dBm  
 2.563990385 GHz  
 2.565644826 MHz  
 Temp 1 [T1] Off  
 -31.34 dBm  
 2.555763231 GHz  
 Temp 2 [T1] Off  
 -31.16 dBm  
 2.569294872 GHz  
 1.500 MHz  
 3 dB

Center 2.5625 GHz  
 4 MHz/  
 Span 40 MHz

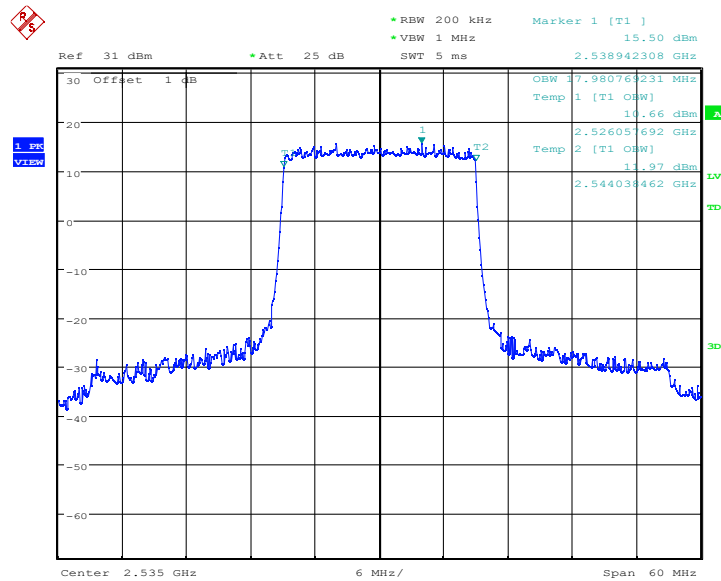
| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |        |
|-----------------|-------------------------------|--------|
|                 | QPSK                          | 16QAM  |
| 2510            | 17.884                        | 18.012 |
| 2535            | 17.981                        | 17.981 |
| 2560            | 17.884                        | 17.948 |

## Page 83 of 219

**LTE band 7 , 20MHz Bandwidth,QPSK (99% BW)**



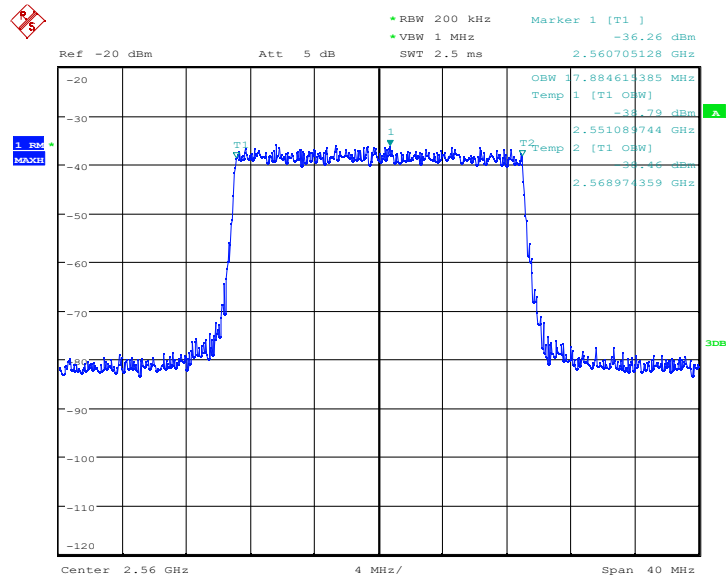
Date: 21.JUL.2022 16:32:08



Date: 13.JUN.2022 23:01:12

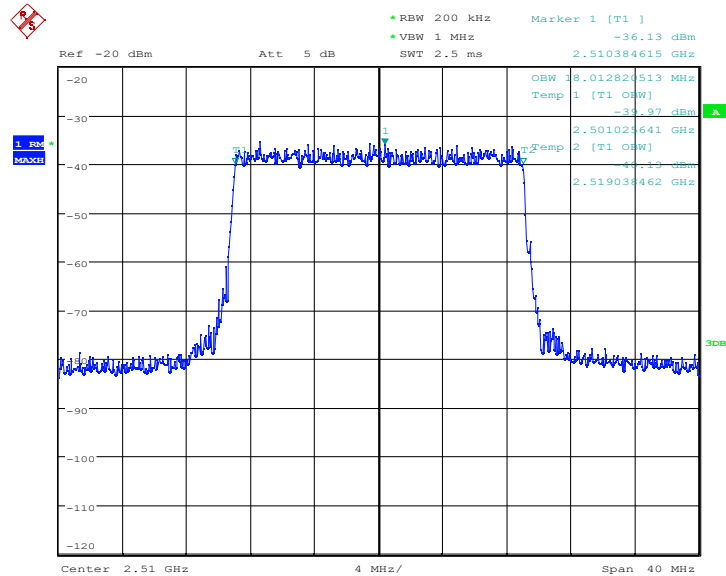
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:34:09

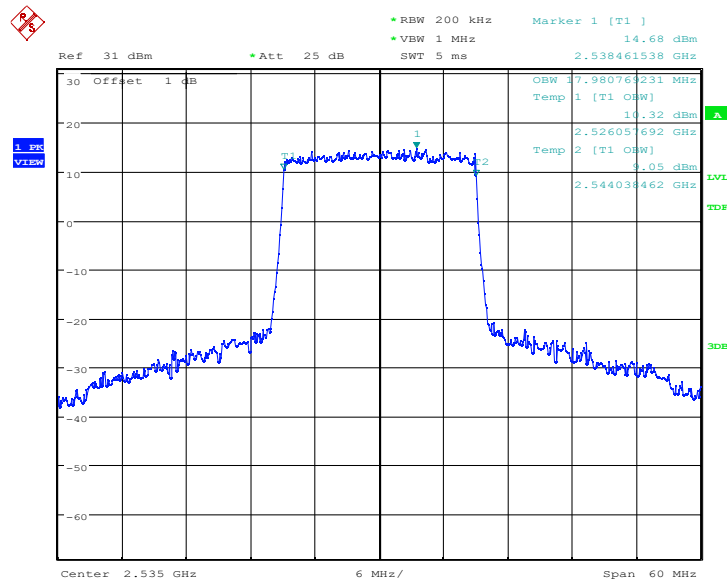
### LTE band 7 , 20MHz Bandwidth,16QAM (99% BW)



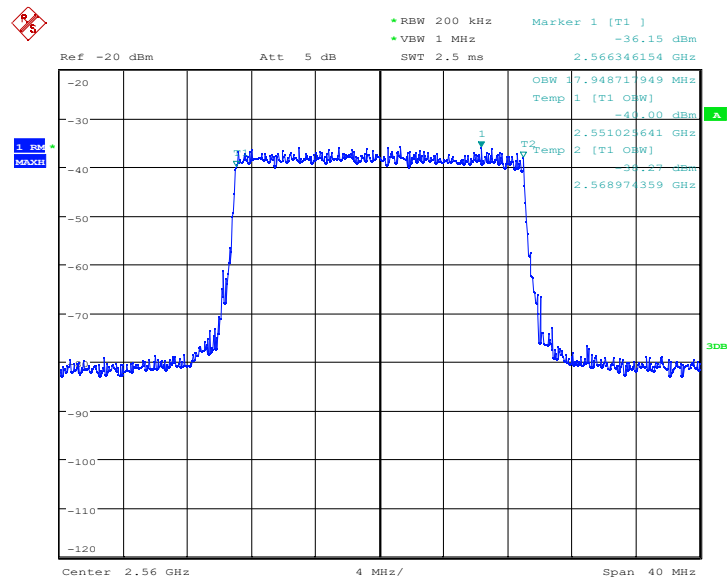
Date: 21.JUL.2022 16:32:50

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:01:33



Date: 21.JUL.2022 16:33:27

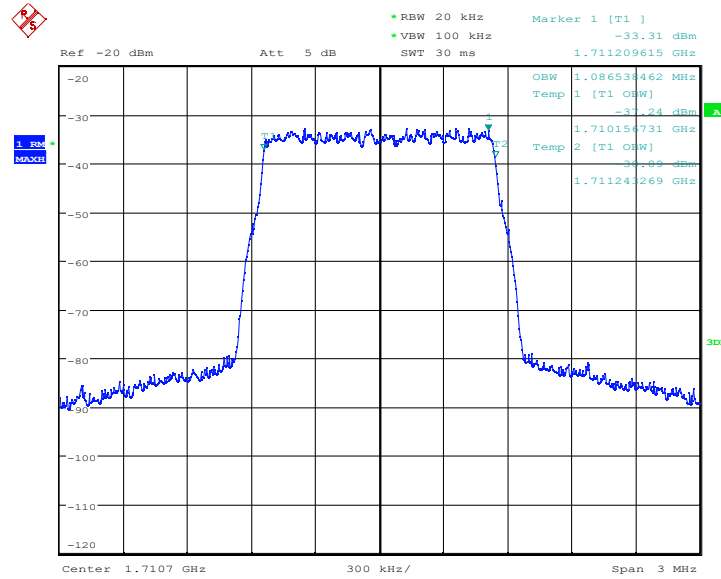
### LTE band 66,1.4MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 1710.7          | 1.086                         | 1.086 |
| 1745            | 1.097                         | 1.104 |
| 1779.3          | 1.081                         | 1.091 |

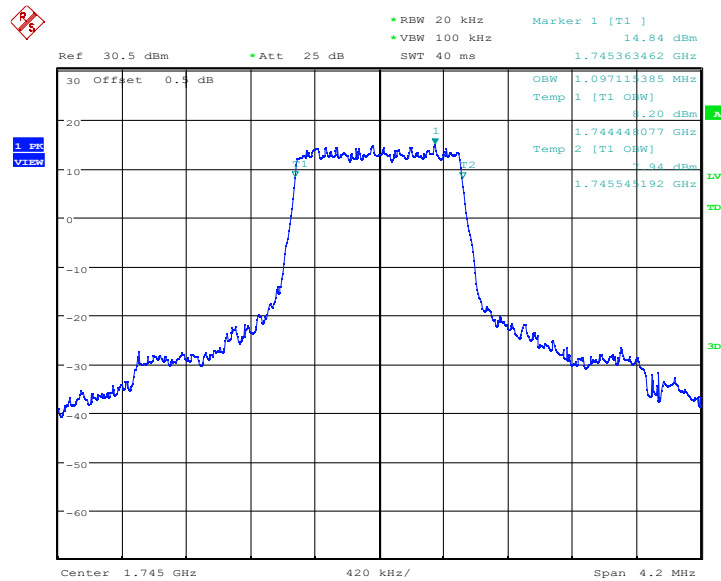
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 66 , 1.4MHz Bandwidth,QPSK (99% BW)**



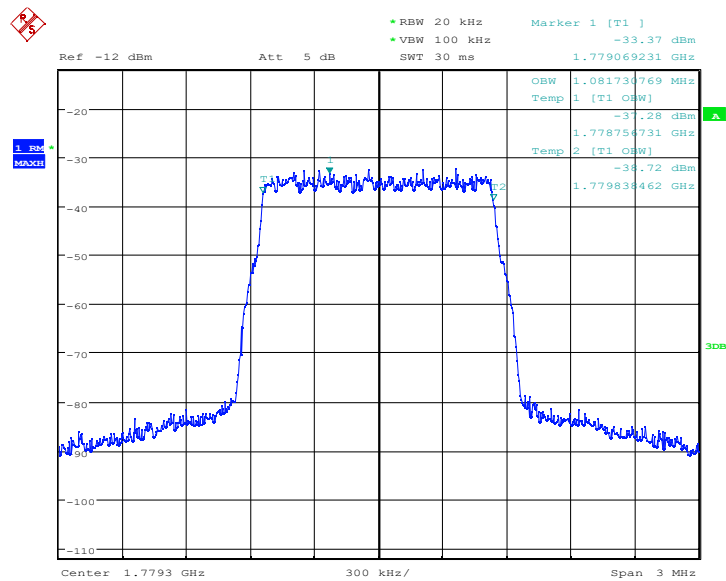
Date: 21.JUL.2022 17:23:57



Date: 13.JUN.2022 23:02:07

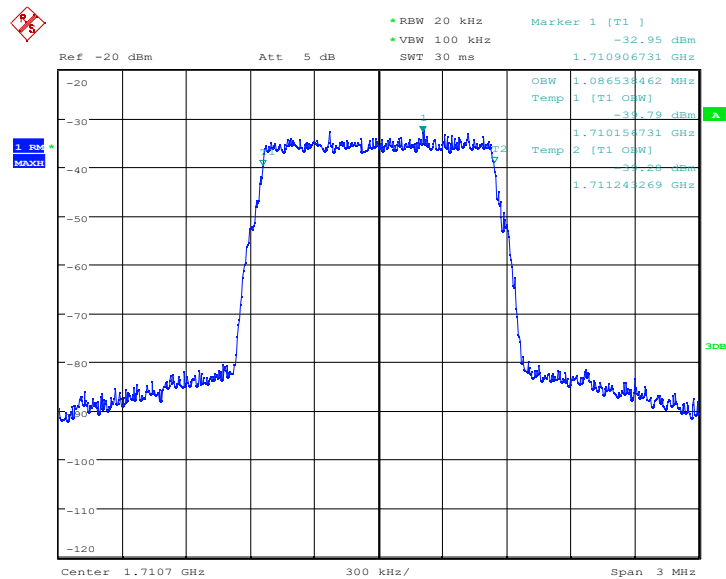
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



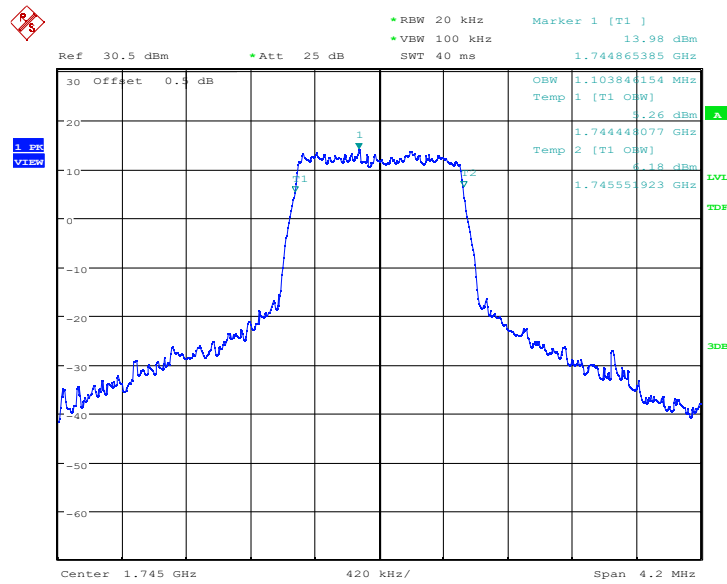
Date: 21.JUL.2022 17:48:06

### LTE band 66 , 1.4MHz Bandwidth,16QAM (99% BW)

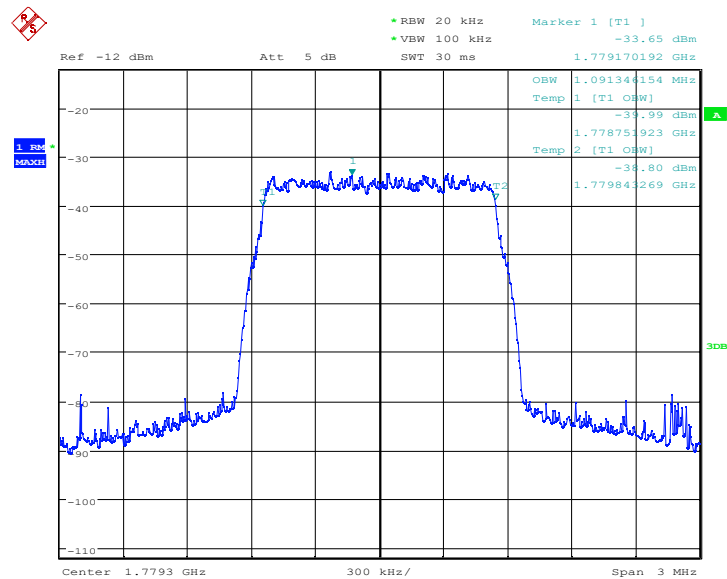


Date: 21.JUL.2022 17:24:38





Date: 13.JUN.2022 23:02:29



Date: 21.JUL.2022 17:47:15

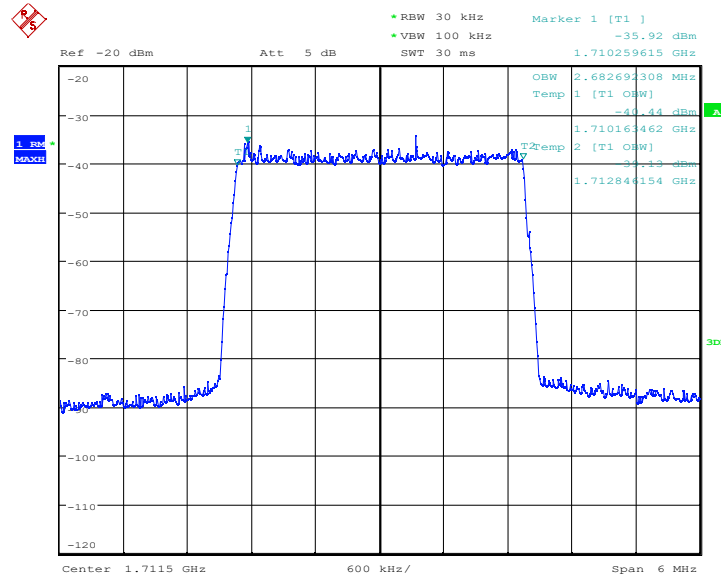
### LTE band 66,3MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 1711.5          | 2.682                         | 2.692 |
| 1745            | 2.697                         | 2.697 |
| 1778.5          | 2.682                         | 2.692 |

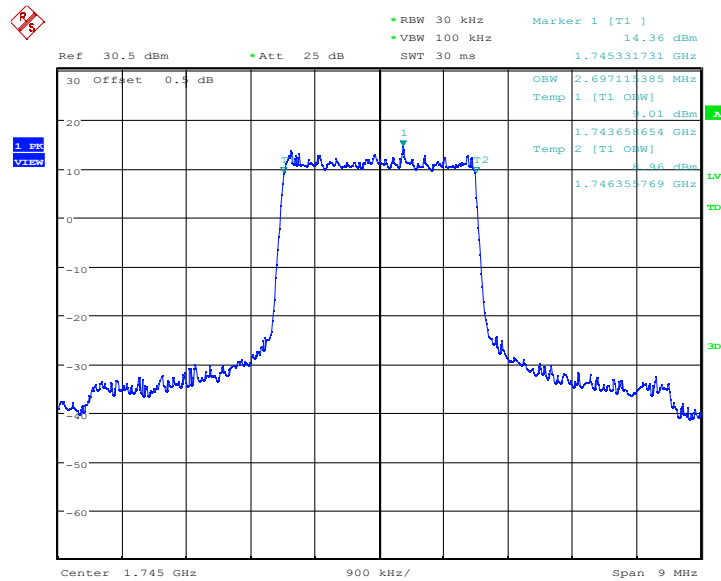
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 66 , 3MHz Bandwidth,QPSK (99% BW)**



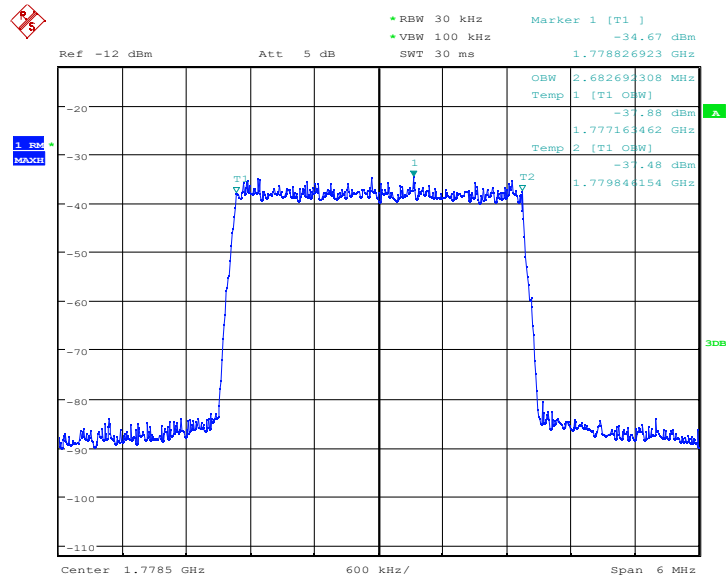
Date: 21.JUL.2022 17:25:19



Date: 13.JUN.2022 23:02:55

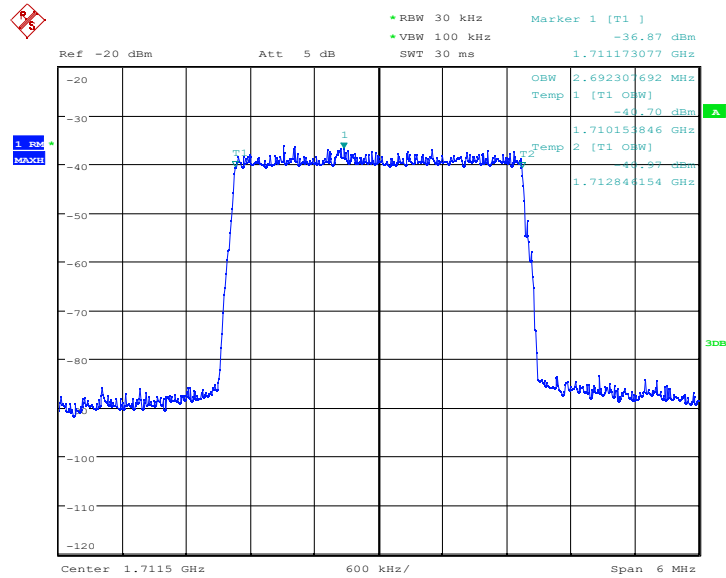
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 17:45:58

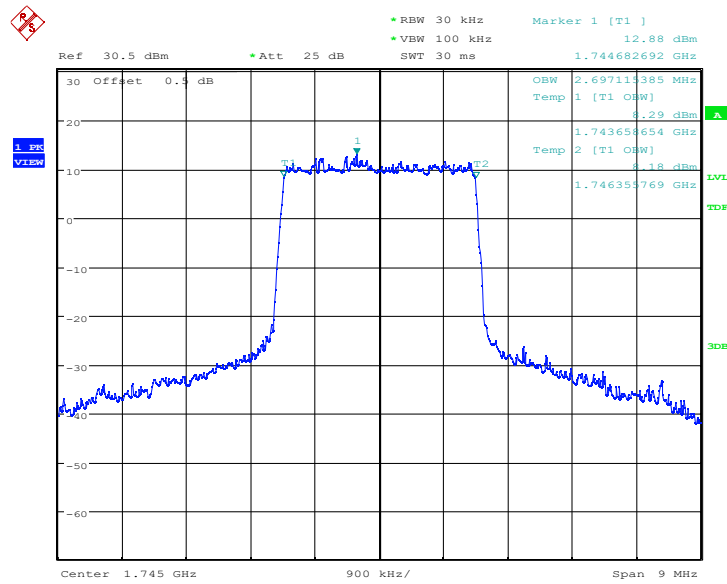
### LTE band 66 , 3MHz Bandwidth,16QAM (99% BW)



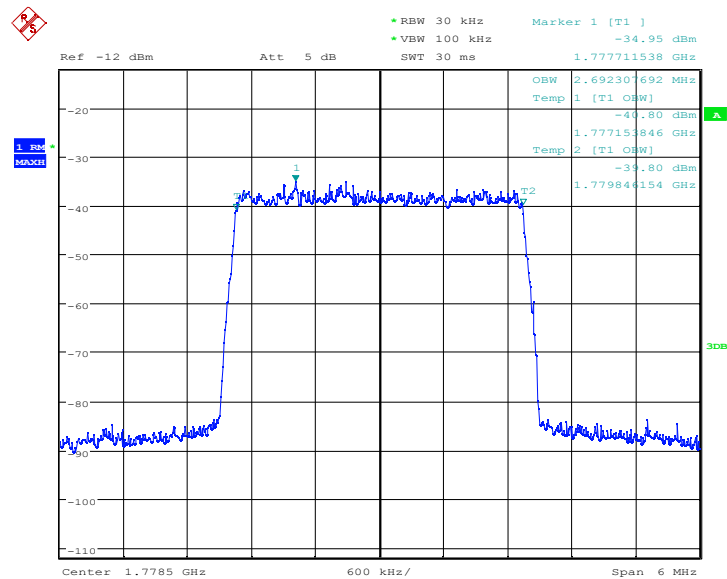
Date: 21.JUL.2022 17:26:06

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:03:20



Date: 21.JUL.2022 17:45:17

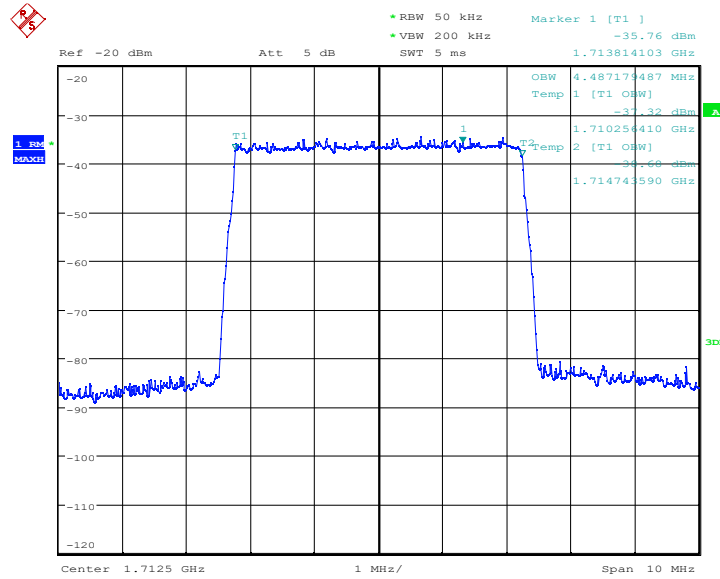
### LTE band 66,5MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 1712.5          | 4.487                         | 4.471 |
| 1745            | 4.495                         | 4.471 |
| 1777.5          | 4.487                         | 4.471 |

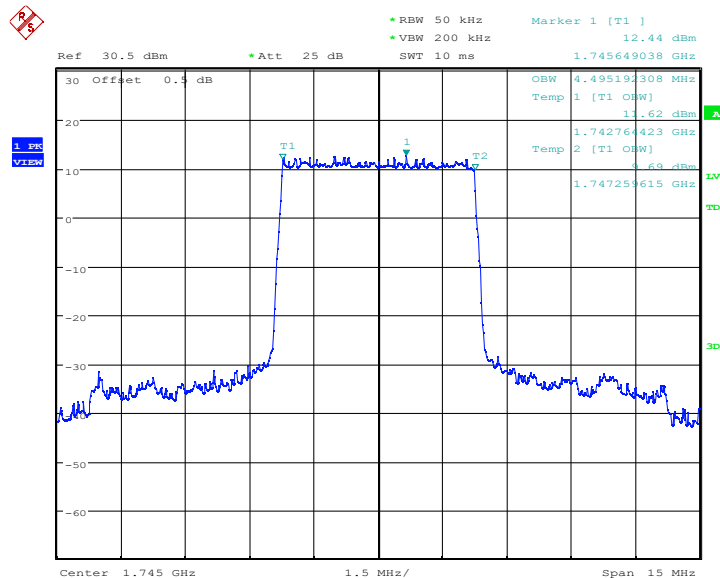
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 66 , 5MHz Bandwidth,QPSK (99% BW)**



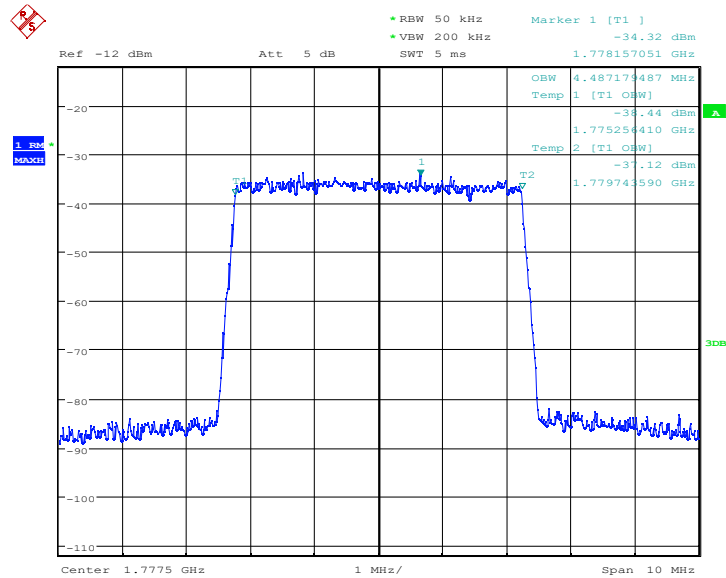
Date: 21.JUL.2022 17:26:49



Date: 13.JUN.2022 23:03:48

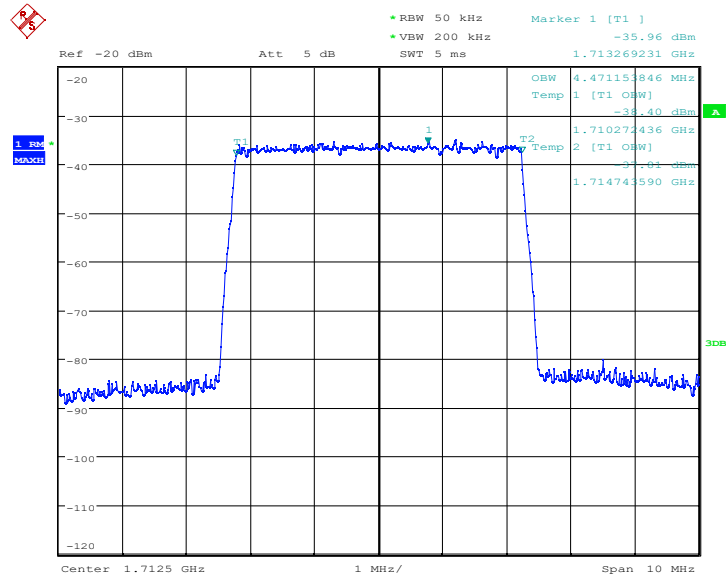
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 17:44:03

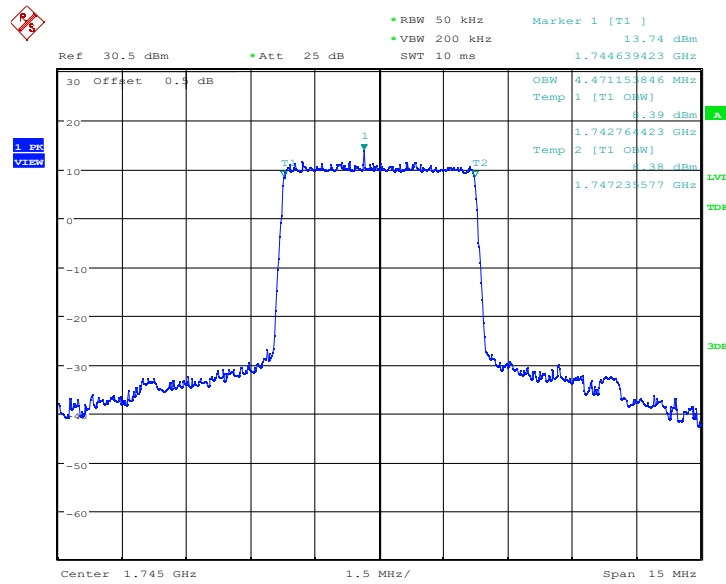
### LTE band 66 , 5MHz Bandwidth,16QAM (99% BW)



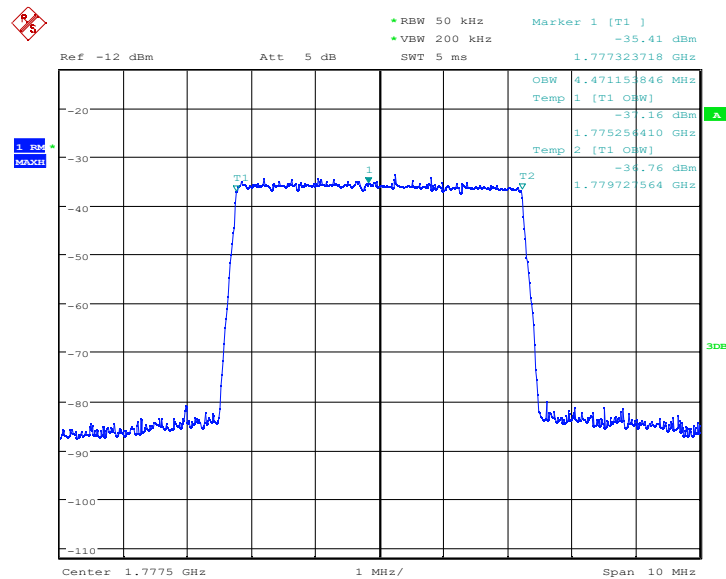
Date: 21.JUL.2022 17:28:38

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:04:11



Date: 21.JUL.2022 17:43:23

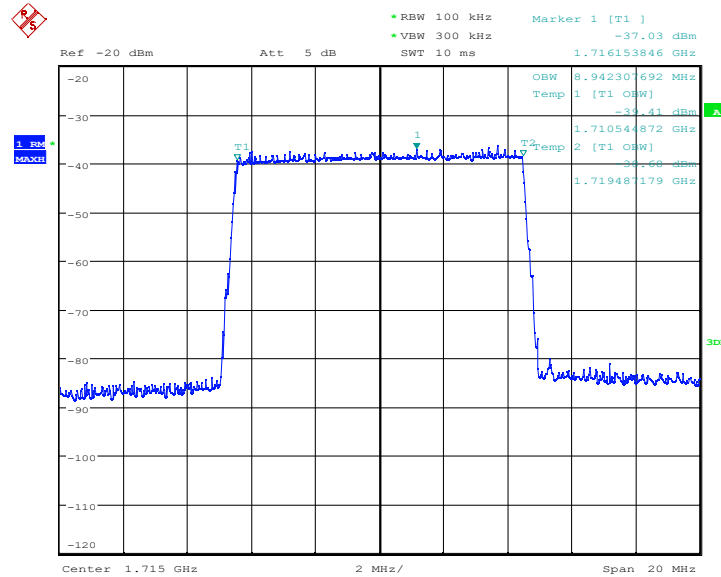
### LTE band 66,10MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |       |
|-----------------|-------------------------------|-------|
|                 | QPSK                          | 16QAM |
| 1715            | 8.942                         | 8.942 |
| 1745            | 8.942                         | 8.942 |
| 1775            | 8.910                         | 8.910 |

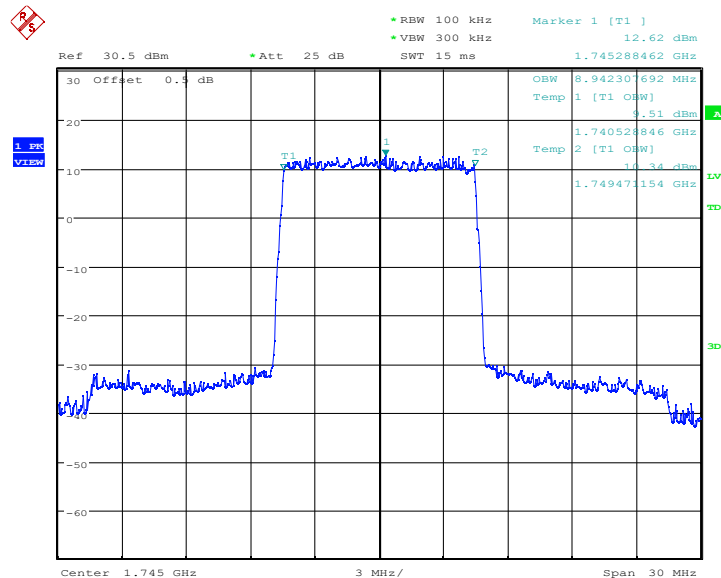
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 66 , 10MHz Bandwidth,QPSK (99% BW)**



Date: 21.JUL.2022 17:29:21

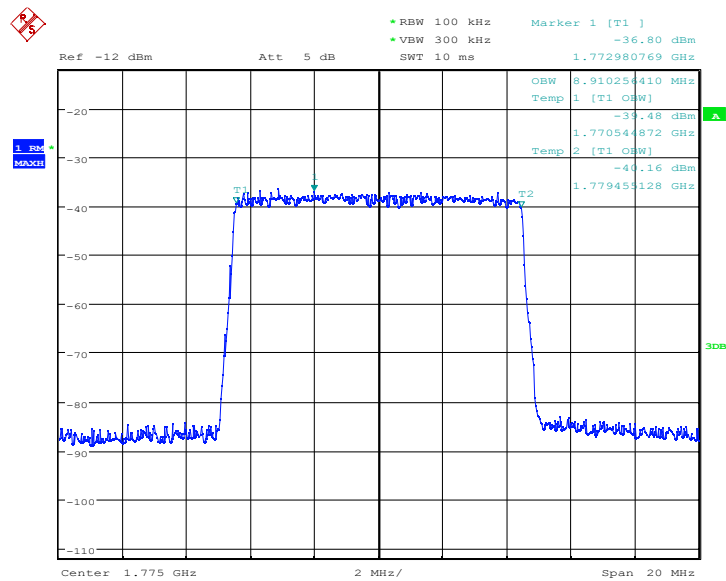


Date: 13.JUN.2022 23:04:41

**Chongqing Academy of Information and Communication Technology**

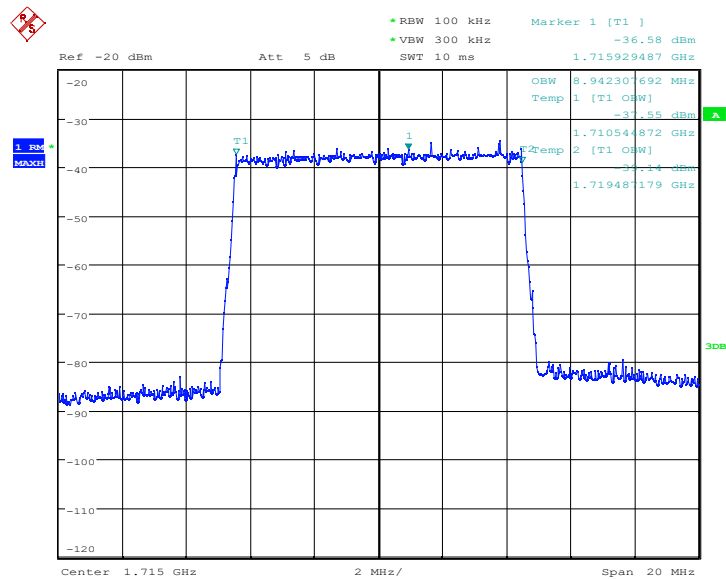
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 21.JUL.2022 17:42:33

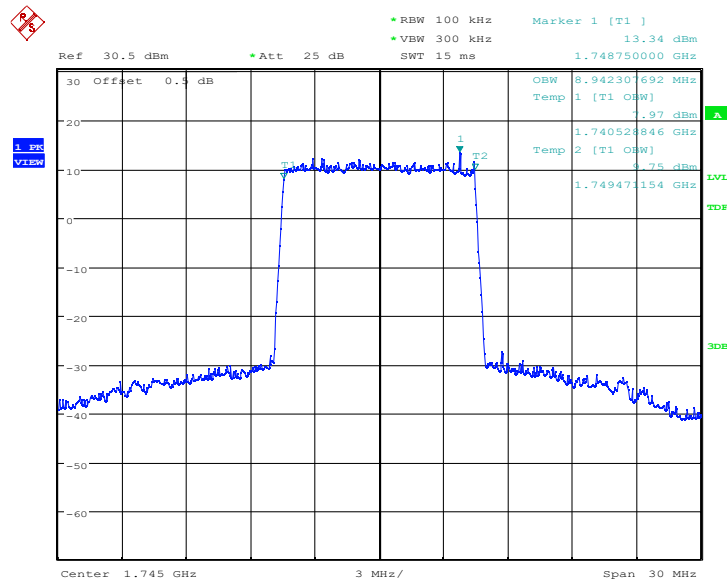
### LTE band 66 , 10MHz Bandwidth,16QAM (99% BW)



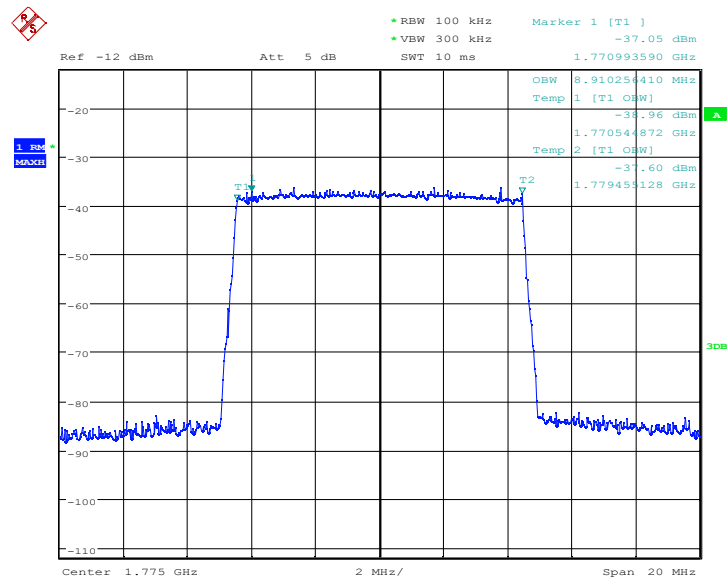
Date: 21.JUL.2022 17:30:04

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:05:04



Date: 21.JUL.2022 17:41:48

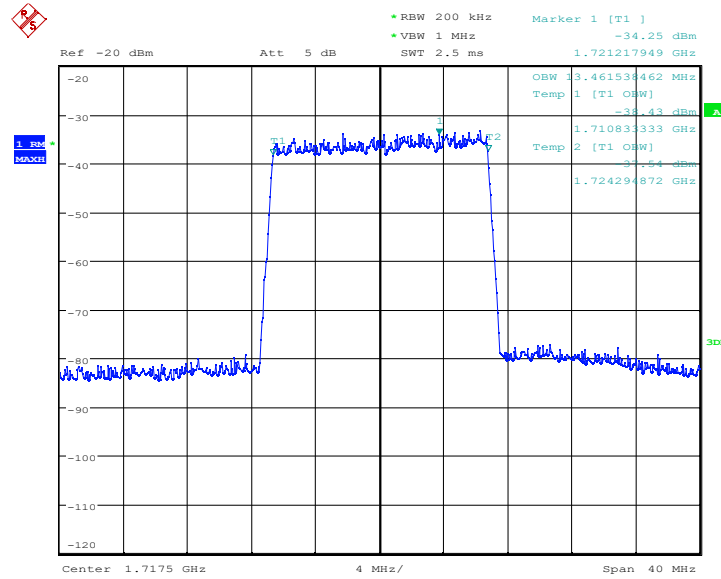
### LTE band 66,15MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |        |
|-----------------|-------------------------------|--------|
|                 | QPSK                          | 16QAM  |
| 1717.5          | 13.461                        | 13.461 |
| 1745            | 13.558                        | 13.486 |
| 1772.5          | 13.526                        | 13.461 |

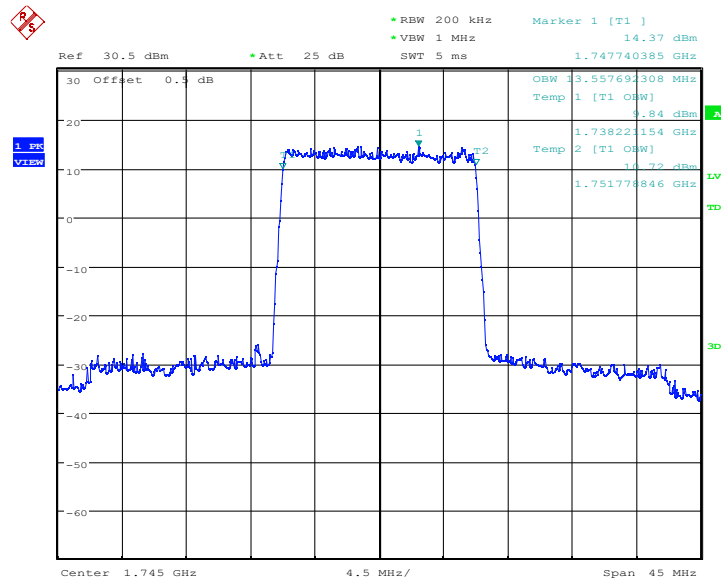
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 66 , 15MHz Bandwidth,QPSK (99% BW)**



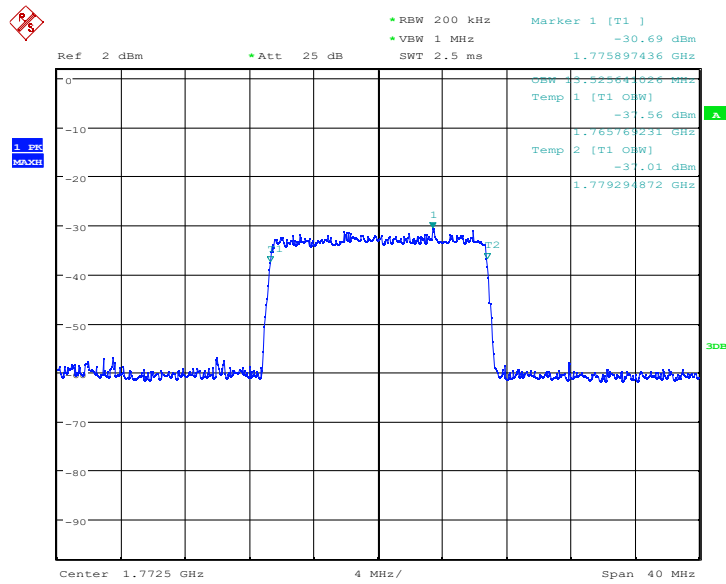
Date: 21.JUL.2022 17:30:47



Date: 13.JUN.2022 23:05:30

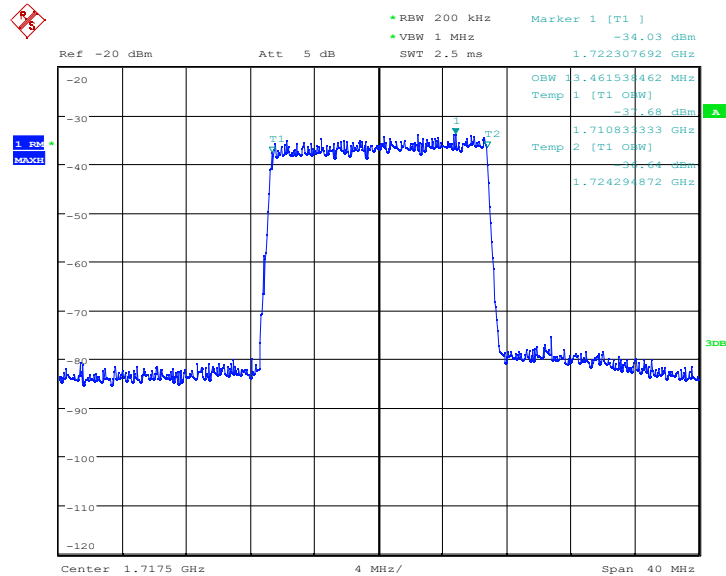
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 22.JUL.2022 10:21:31

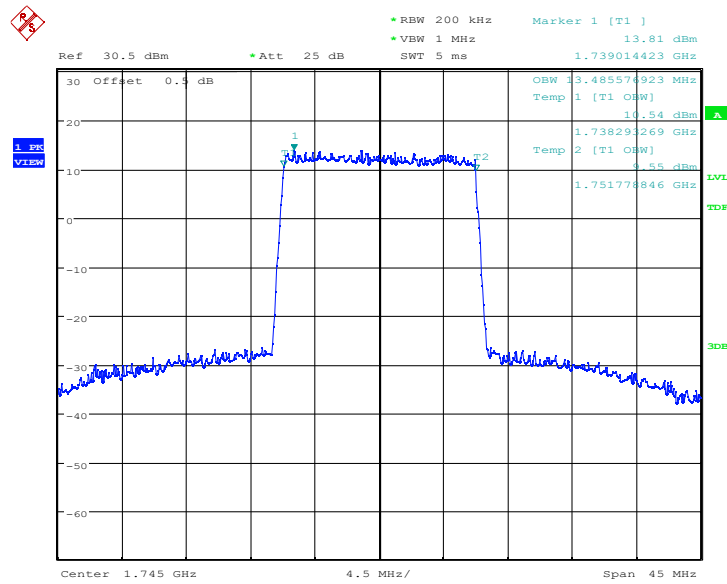
### LTE band 66 , 15MHz Bandwidth,16QAM (99% BW)



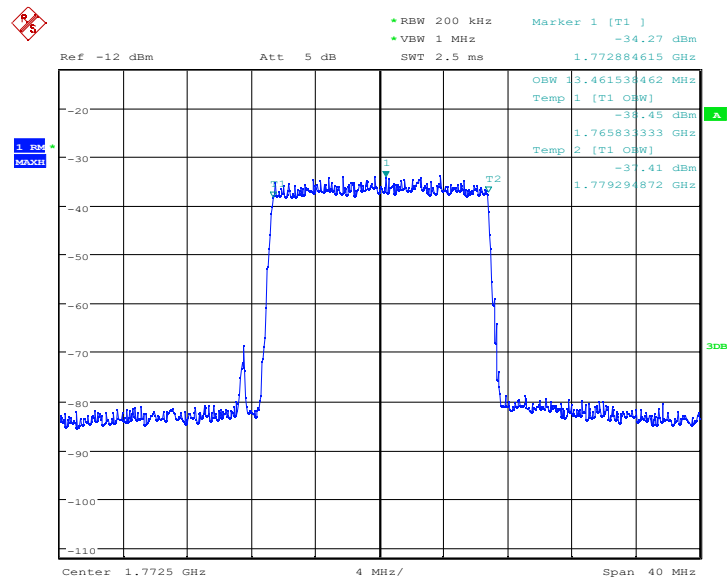
Date: 21.JUL.2022 17:31:30

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:05:55



Date: 21.JUL.2022 17:39:18

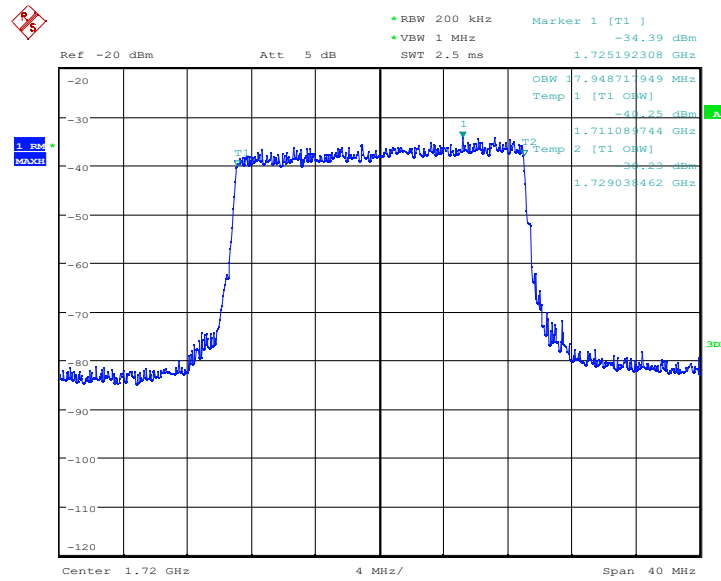
### LTE band 66,20MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) |        |
|-----------------|-------------------------------|--------|
|                 | QPSK                          | 16QAM  |
| 1720            | 17.948                        | 17.884 |
| 1745            | 17.981                        | 17.981 |
| 1770            | 17.884                        | 17.981 |

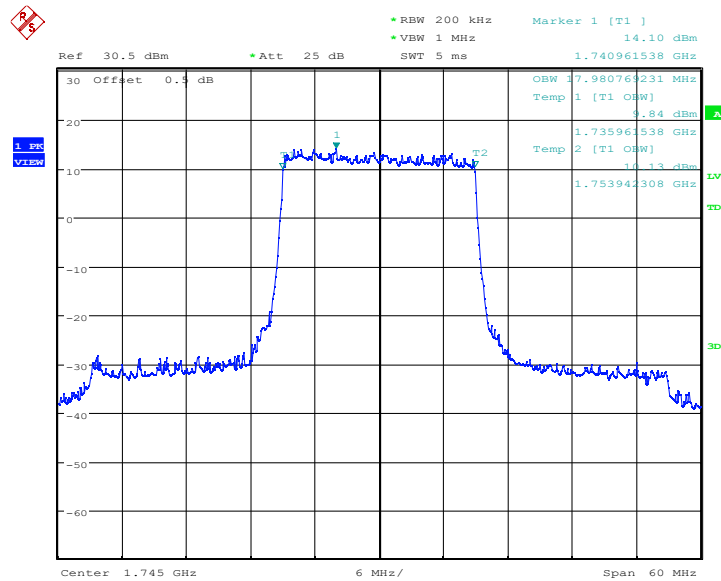
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 66 , 20MHz Bandwidth,QPSK (99% BW)**



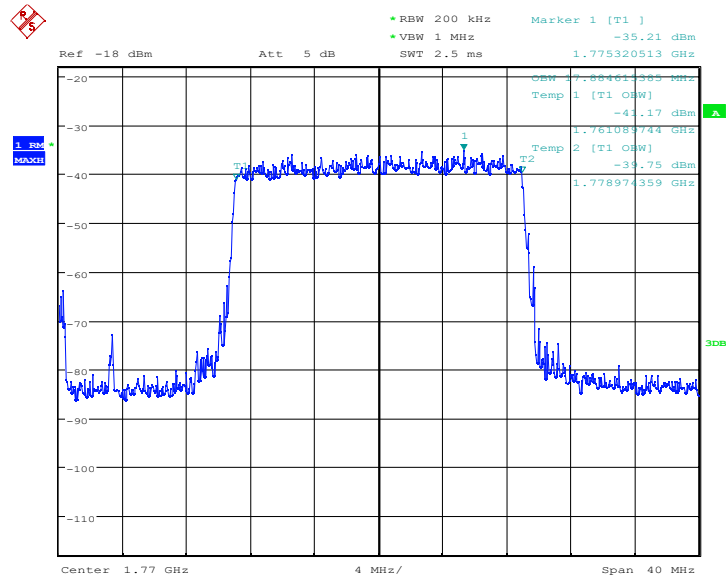
Date: 21.JUL.2022 17:31:56



Date: 13.JUN.2022 23:06:22

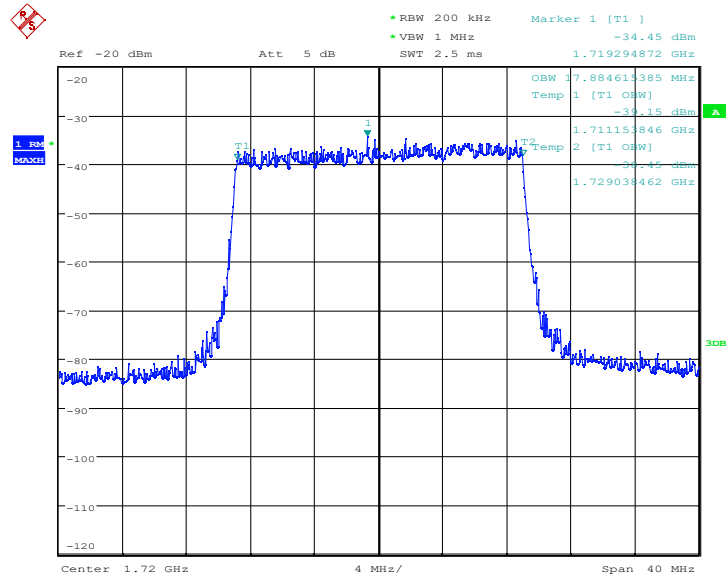
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 17:36:21

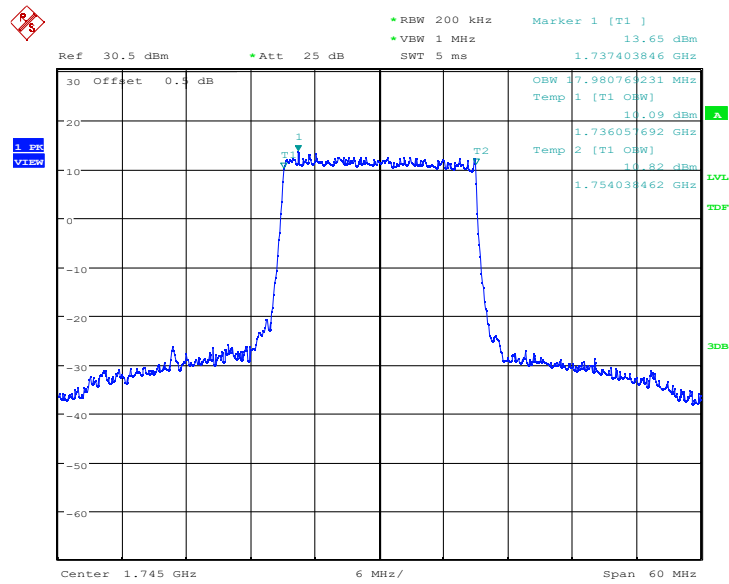
### LTE band 66 , 20MHz Bandwidth,16QAM (99% BW)



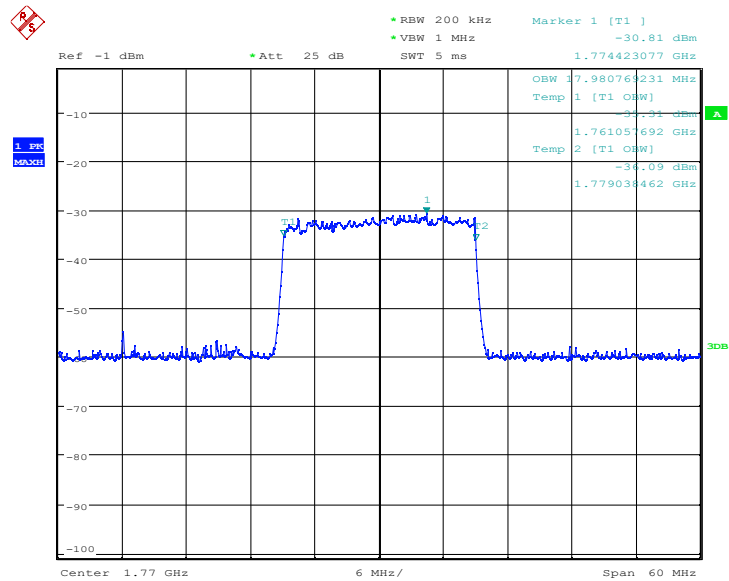
Date: 21.JUL.2022 17:32:34

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:06:47



Date: 22.JUL.2022 11:20:33

## Chongqing Academy of Information and Communication Technology

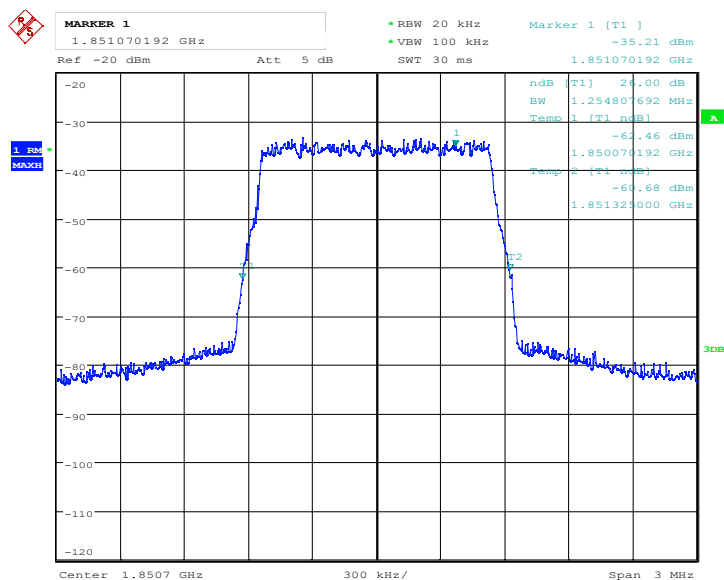
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



### LTE band 2,1.4MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 1850.7         | 1.254                            | 1.254 |
| 1880           | 1.265                            | 1.272 |
| 1909.3         | 1.240                            | 1.254 |

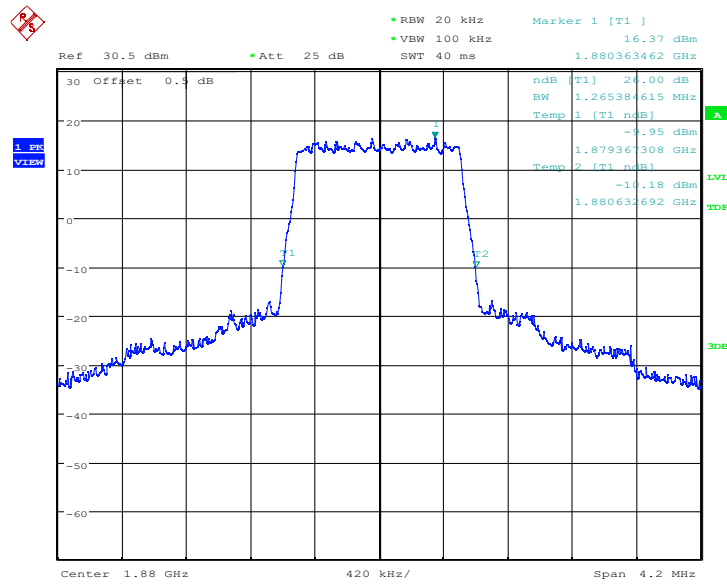
### LTE band 2 , 1.4MHz Bandwidth,QPSK (-26dBc BW)



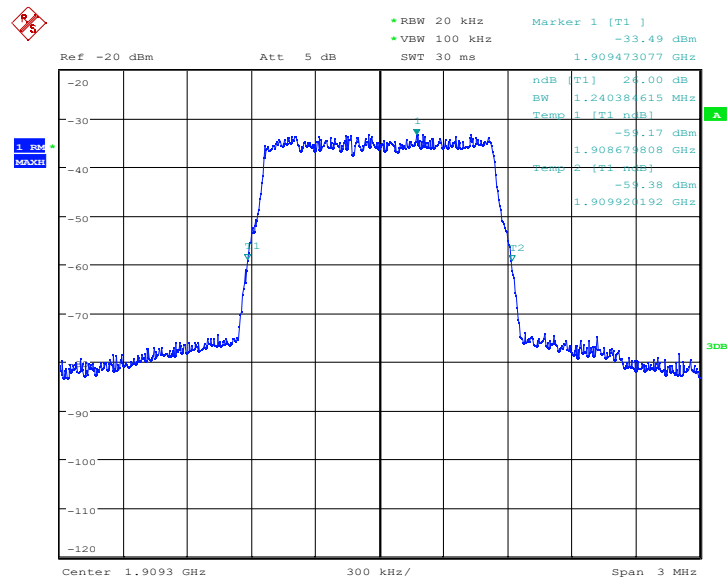
Date: 21.JUL.2022 14:57:34

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:07:47

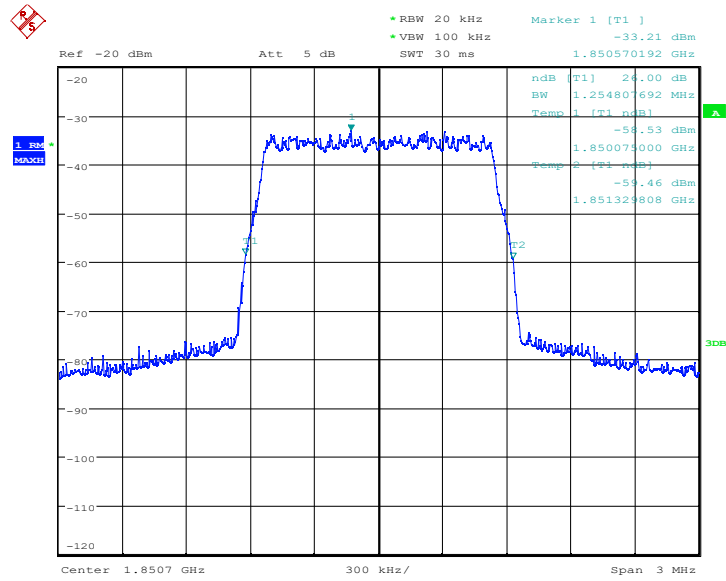


Date: 21.JUL.2022 15:49:06

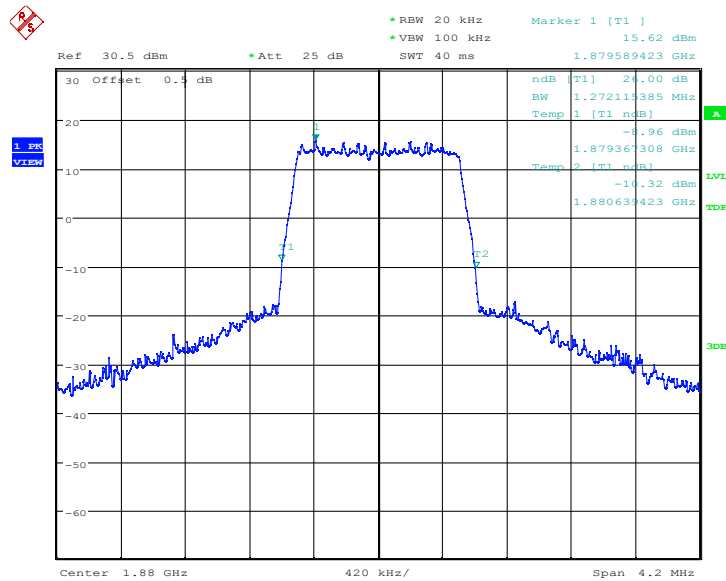
**LTE band 2 , 1.4MHz Bandwidth,16QAM (-26dBc BW)**

**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



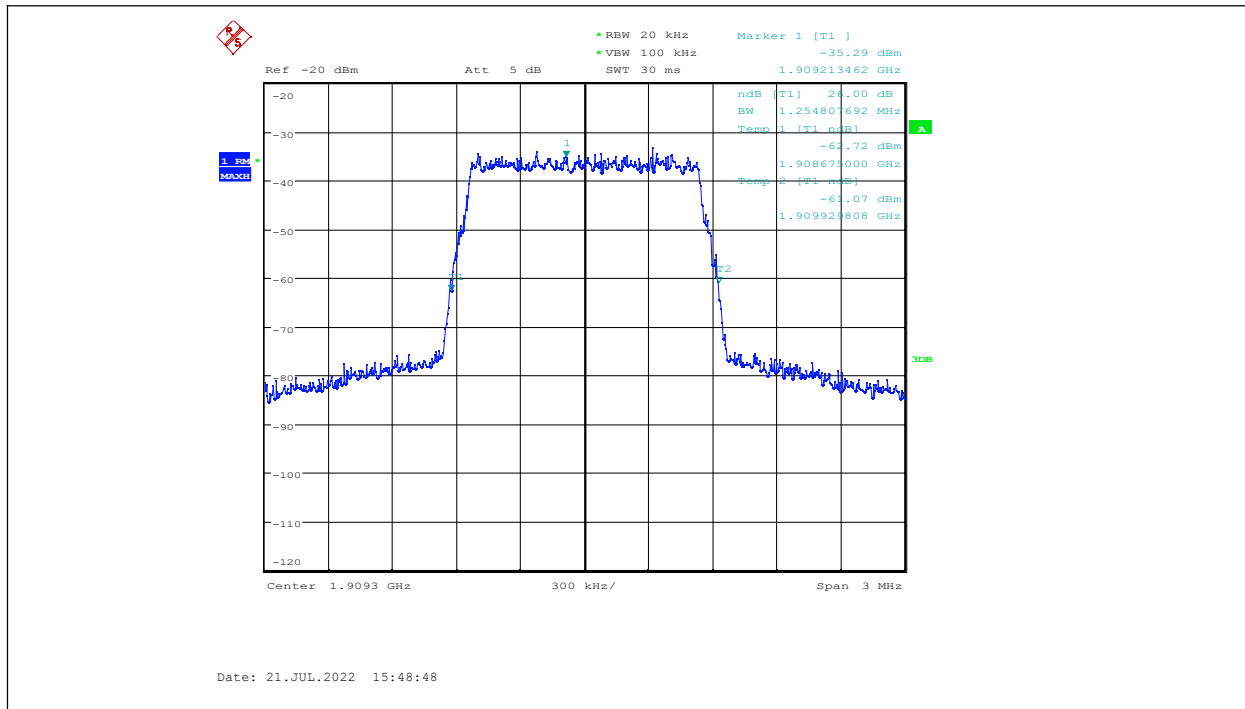
Date: 21.JUL.2022 14:57:56



Date: 13.JUN.2022 23:08:19

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



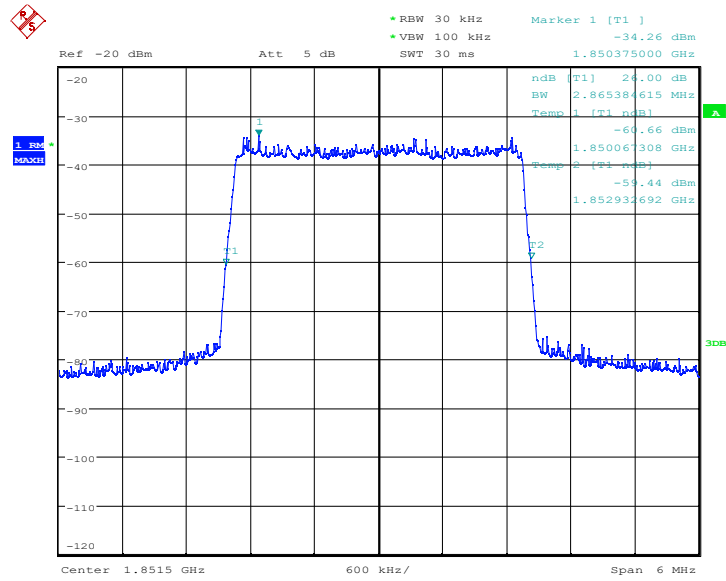
#### LTE band 2,3MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 1851.5         | 2.865                            | 2.884 |
| 1880           | 2.885                            | 2.899 |
| 1908.5         | 2.865                            | 2.875 |

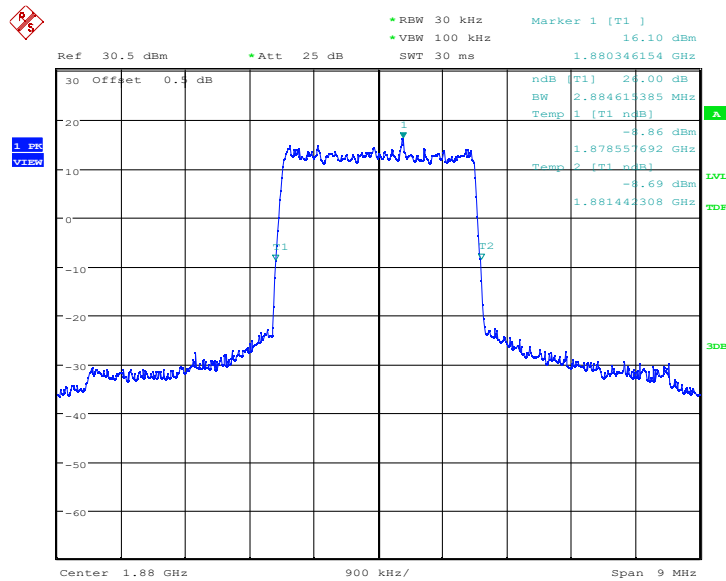
**LTE band 2 , 3MHz Bandwidth,QPSK (-26dBc BW)**

### Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



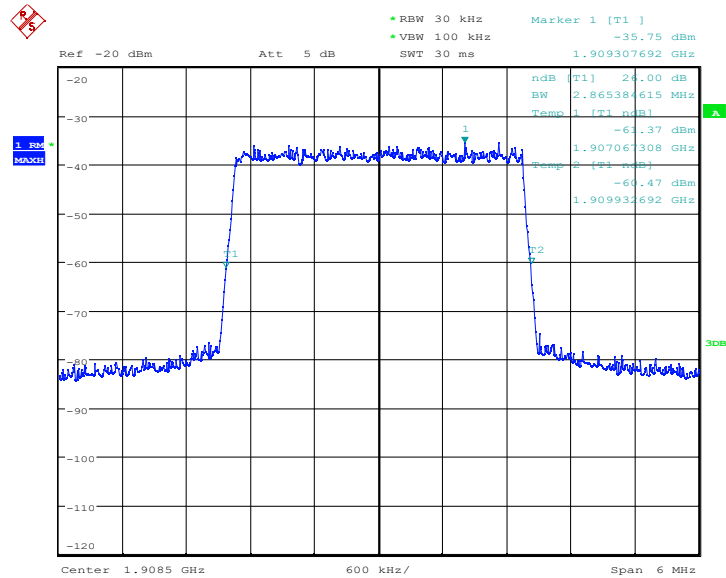
Date: 21.JUL.2022 15:02:48



Date: 13.JUN.2022 23:08:47

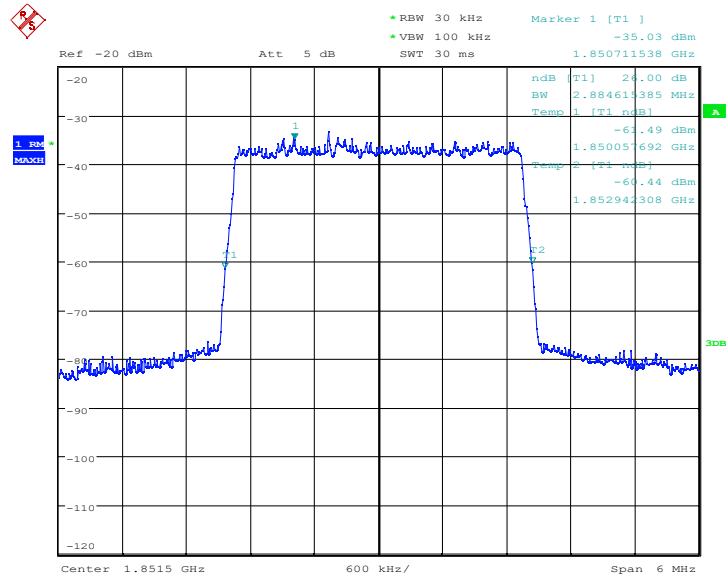
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:47:28

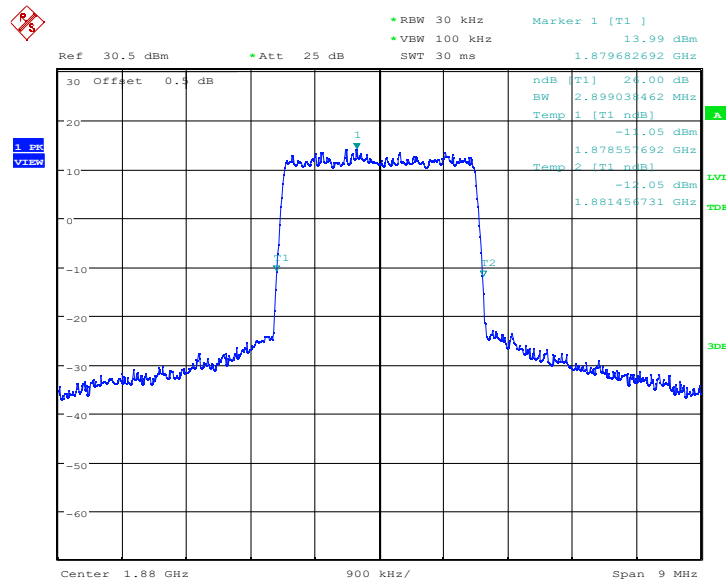
### LTE band 2 , 3MHz Bandwidth,16QAM (-26dBc BW)



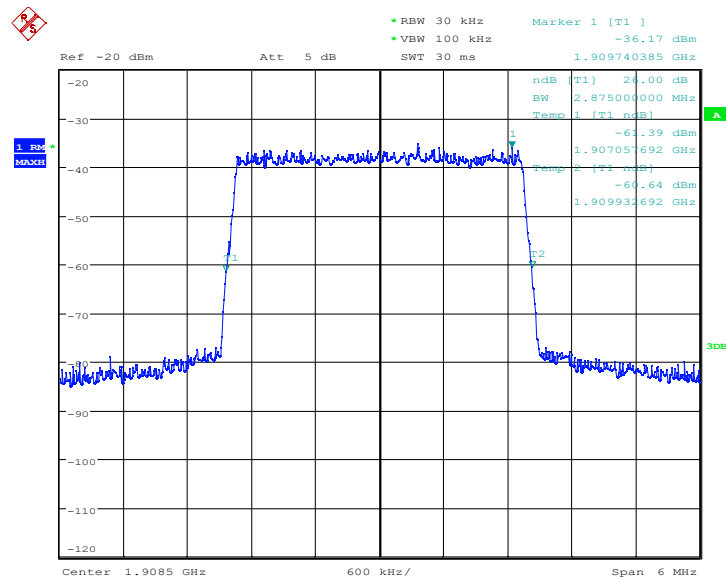
Date: 21.JUL.2022 15:04:05

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:09:10



Date: 21.JUL.2022 15:47:09

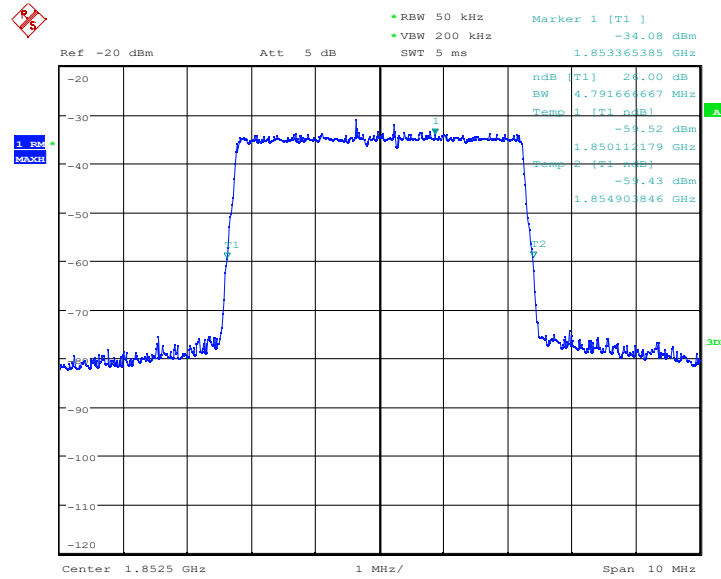
### LTE band 2,5MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 1852.5         | 4.791                            | 4.791 |
| 1880           | 4.808                            | 4.808 |
| 1907.5         | 4.808                            | 4.775 |

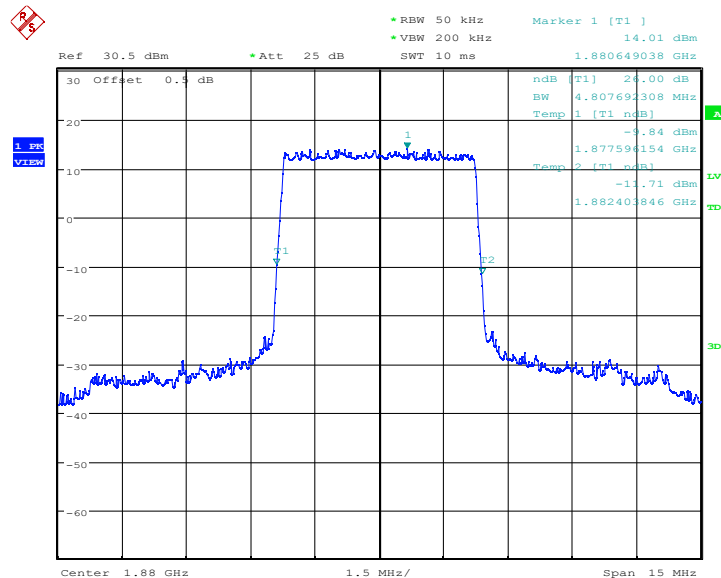
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### LTE band 2 , 5MHz Bandwidth,QPSK (-26dBc BW)



Date: 21.JUL.2022 15:06:16

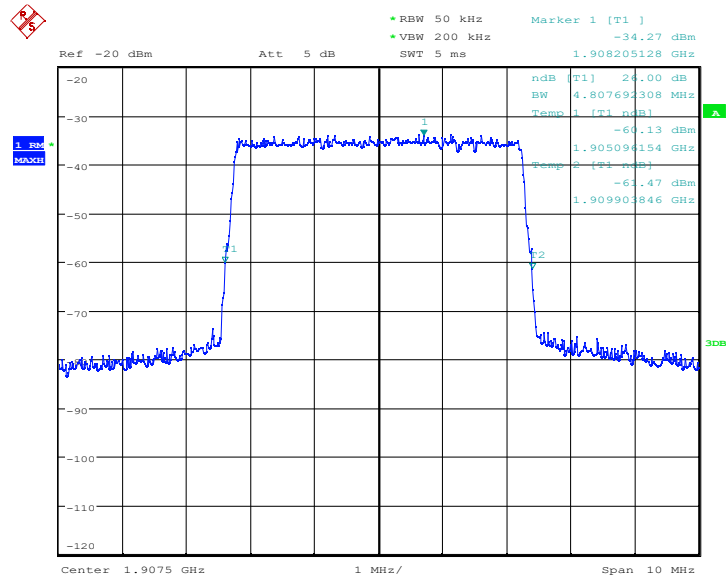


Date: 13.JUN.2022 23:09:38

## Chongqing Academy of Information and Communication Technology

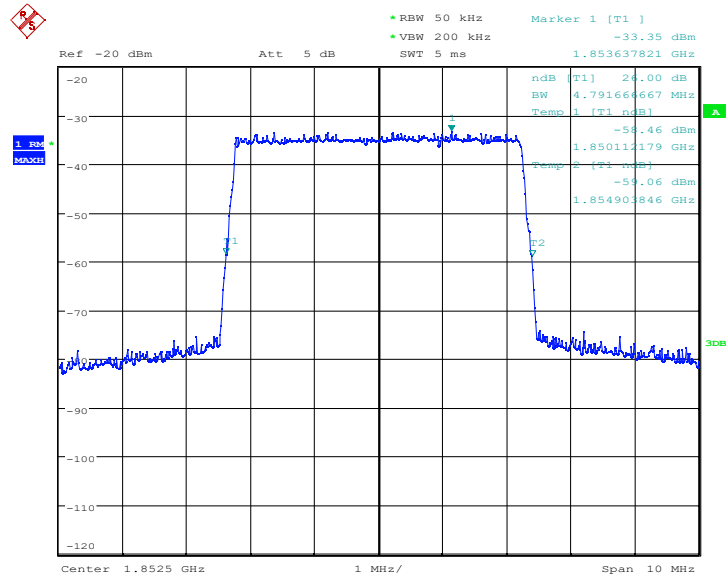
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 21.JUL.2022 15:45:41

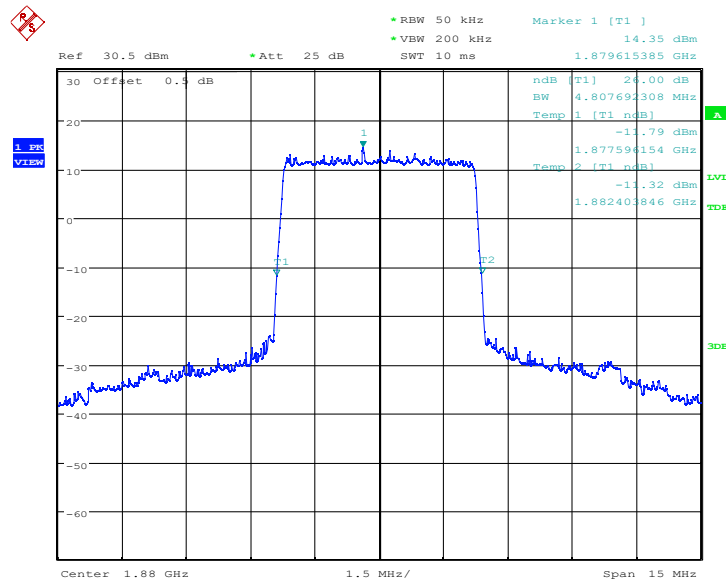
### LTE band 2 , 5MHz Bandwidth,16QAM (-26dBc BW)



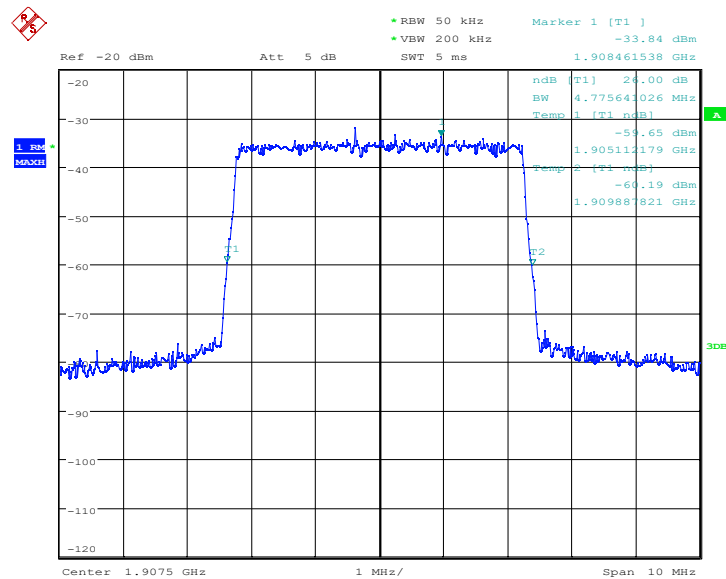
Date: 21.JUL.2022 15:05:58

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:10:02



Date: 21.JUL.2022 15:45:24

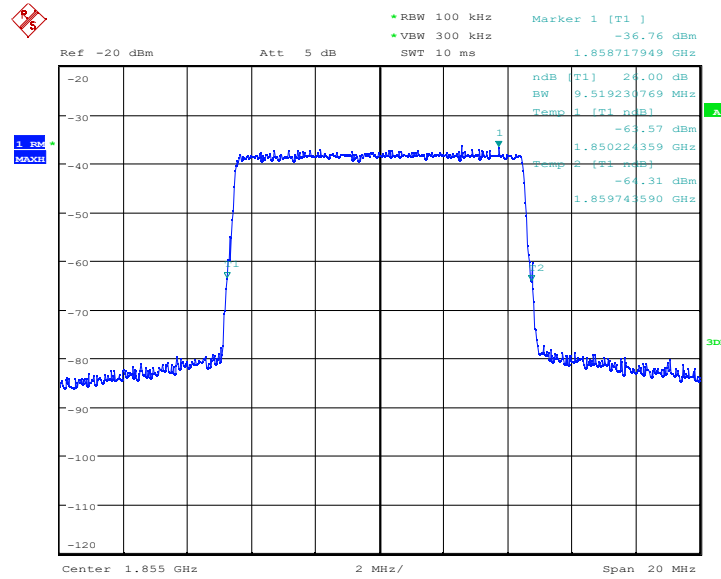
### LTE band 2,10MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 1855           | 9.519                            | 9.519 |
| 1880           | 9.615                            | 9.567 |
| 1905           | 9.551                            | 9.487 |

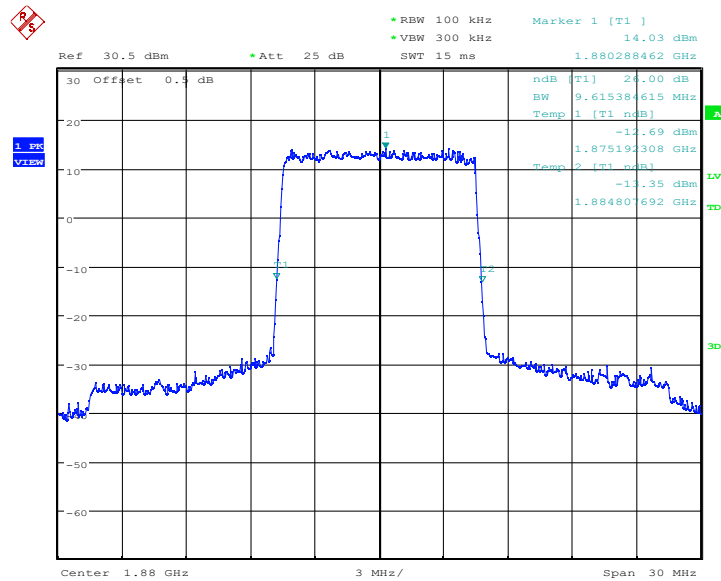
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 2 , 10MHz Bandwidth,QPSK (-26dBc BW)**



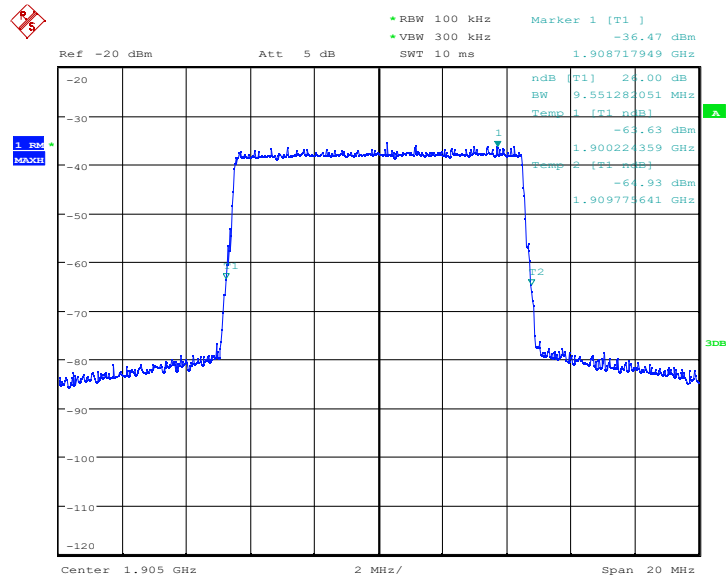
Date: 21.JUL.2022 15:35:18



Date: 13.JUN.2022 23:10:37

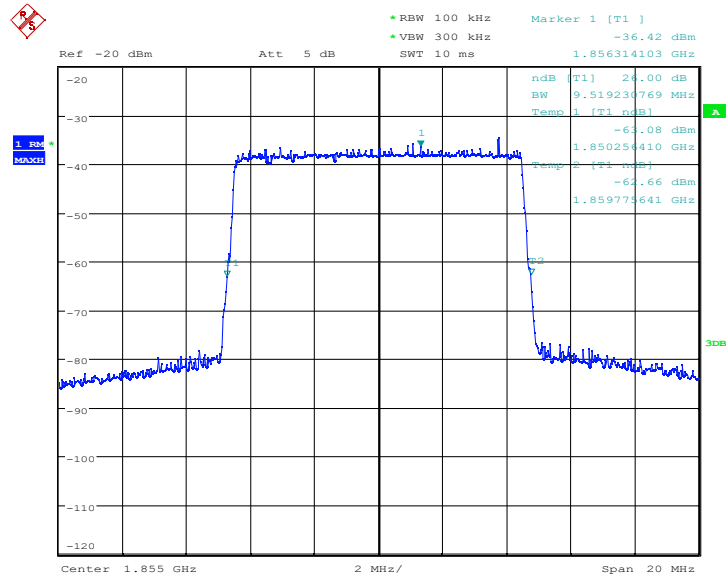
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:43:53

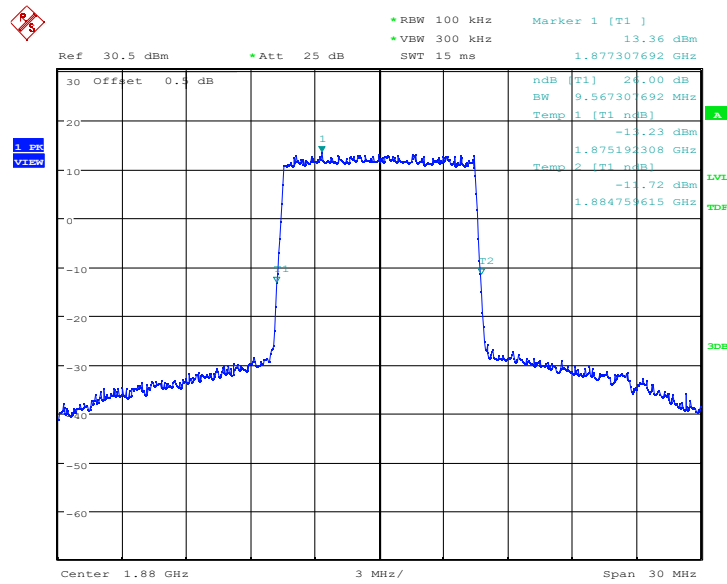
### LTE band 2 , 10MHz Bandwidth,16QAM (-26dBc BW)



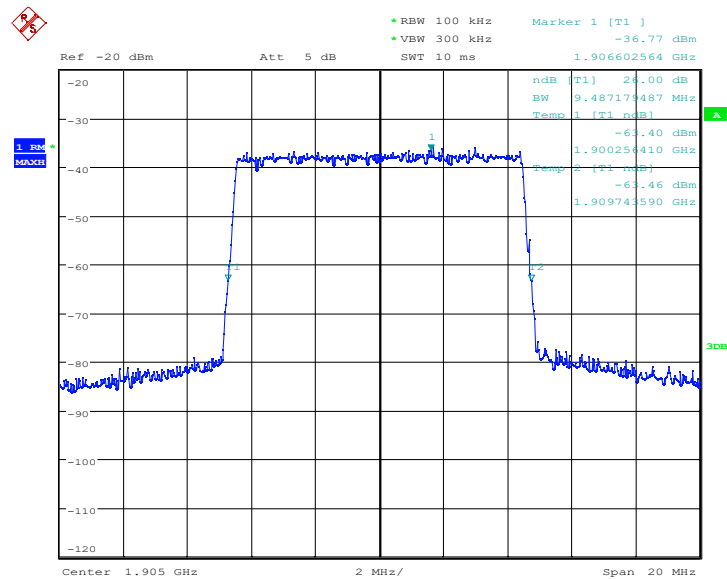
Date: 21.JUL.2022 15:35:40

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:11:04



Date: 21.JUL.2022 15:43:31

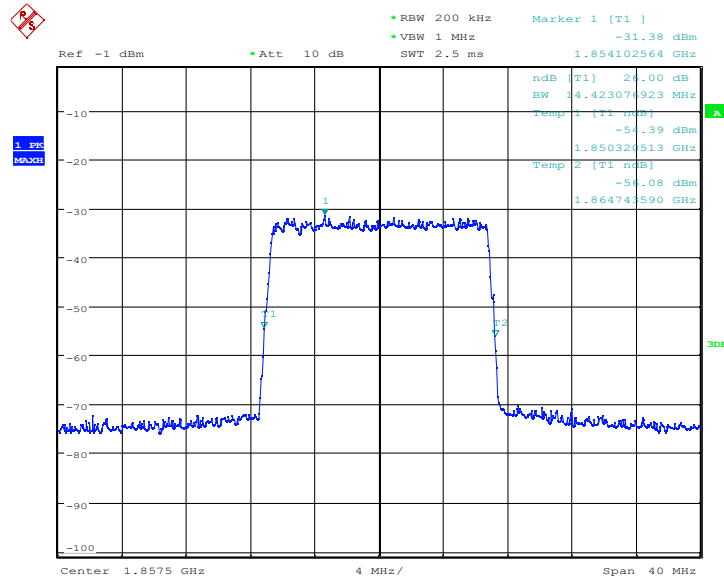
### LTE band 2,15MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |        |
|----------------|----------------------------------|--------|
|                | QPSK                             | 16QAM  |
| 1857.5         | 14.423                           | 14.359 |
| 1880           | 14.495                           | 14.495 |
| 1902.5         | 14.358                           | 14.294 |

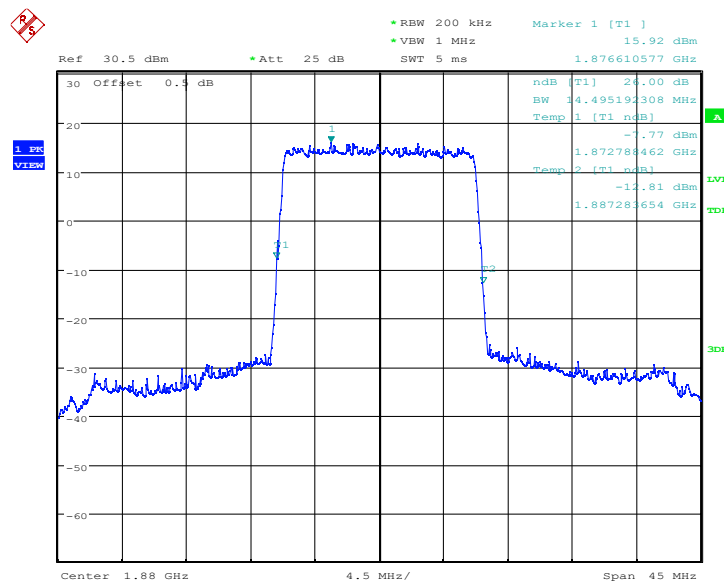
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 2 , 15MHz Bandwidth,QPSK (-26dBc BW)**



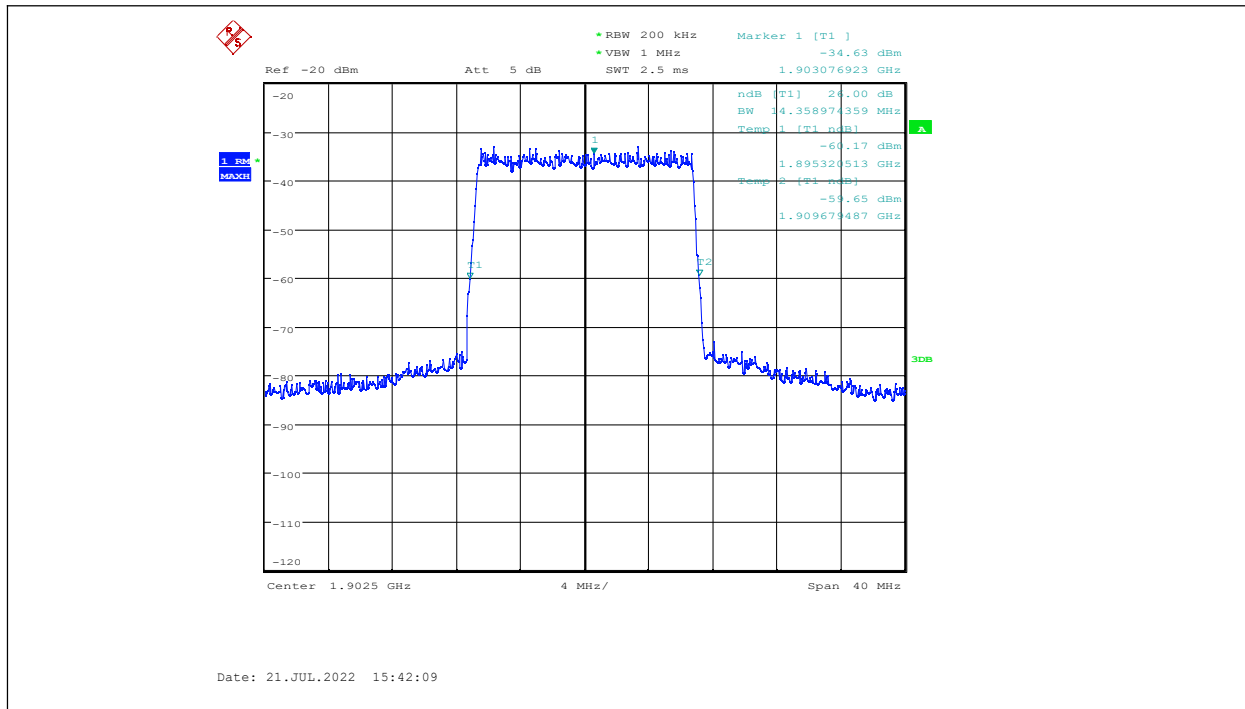
Date: 22.JUL.2022 11:30:26



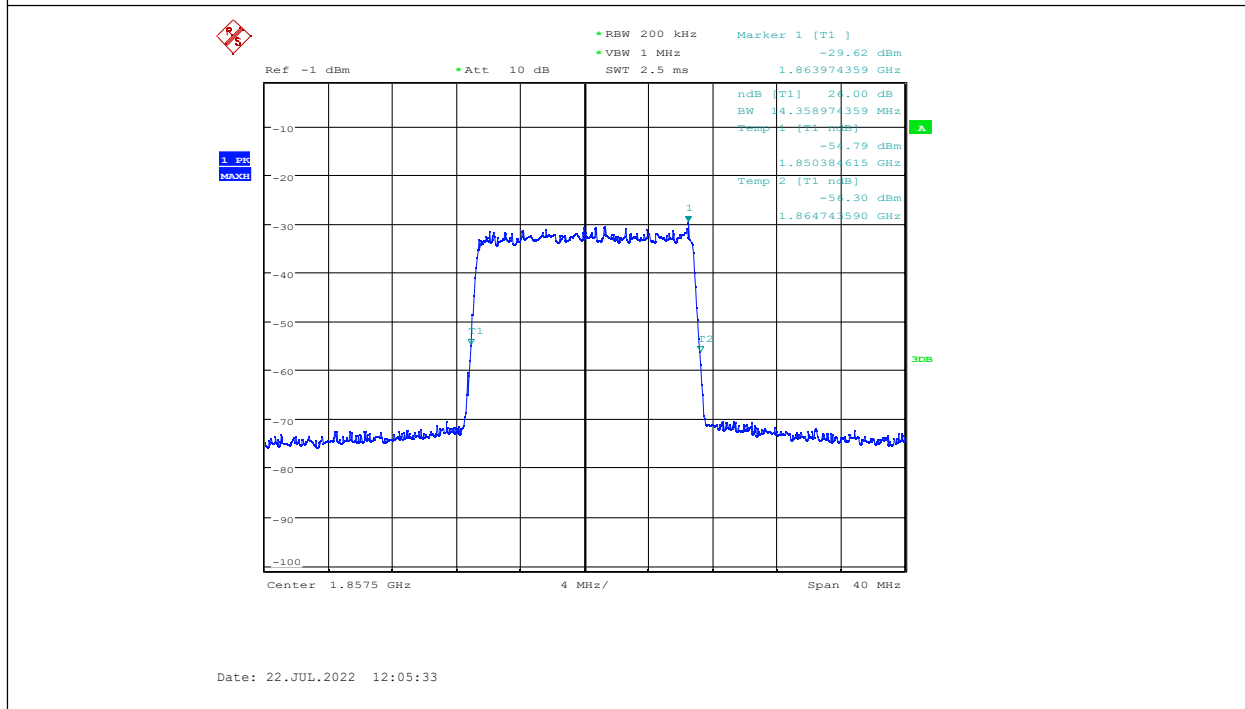
Date: 13.JUN.2022 23:11:29

**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

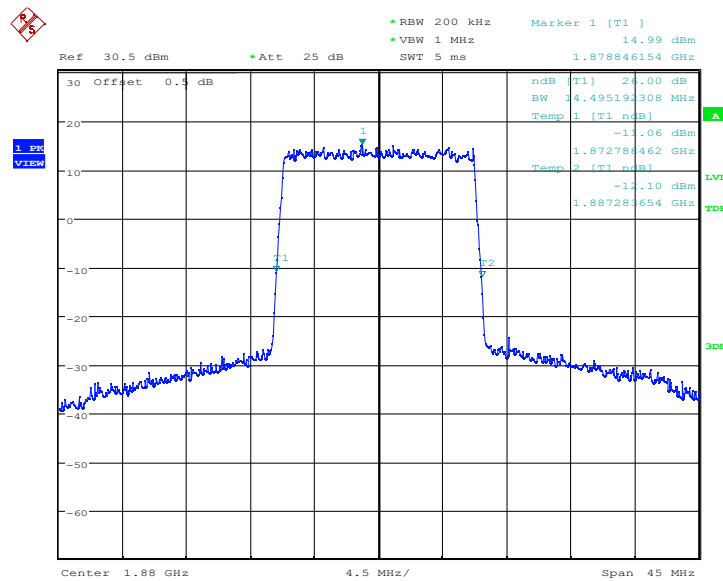


### LTE band 2 , 15MHz Bandwidth,16QAM (-26dBc BW)

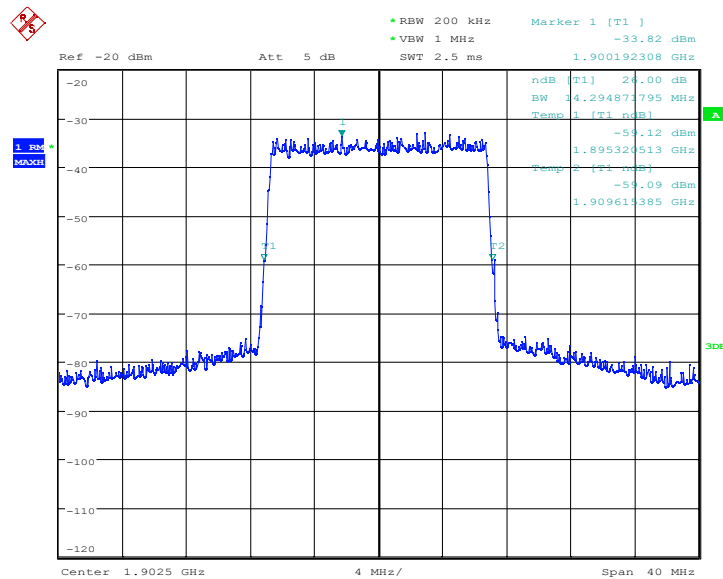


## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:12:03



Date: 21.JUL.2022 15:41:54

### LTE band 2,20MHz(-26dBc)

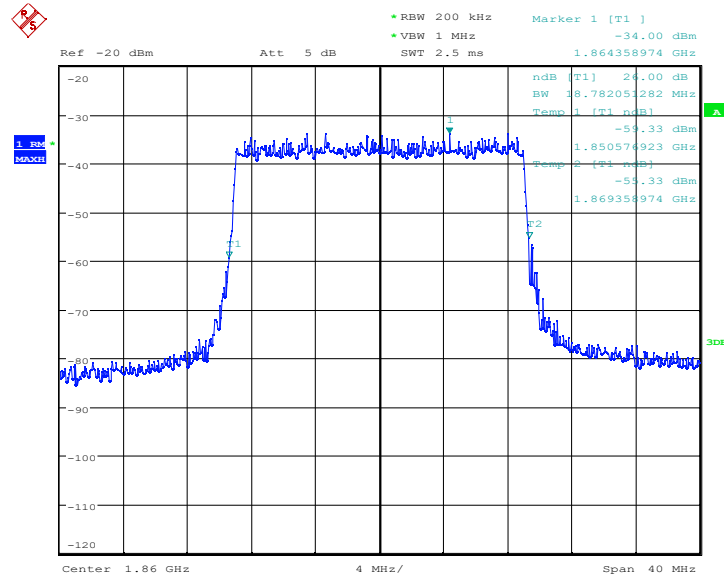
| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |        |
|----------------|----------------------------------|--------|
|                | QPSK                             | 16QAM  |
| 1860           | 18.782                           | 19.230 |
| 1880           | 19.231                           | 19.423 |
| 1900           | 19.102                           | 18.910 |

## Chongqing Academy of Information and Communication Technology

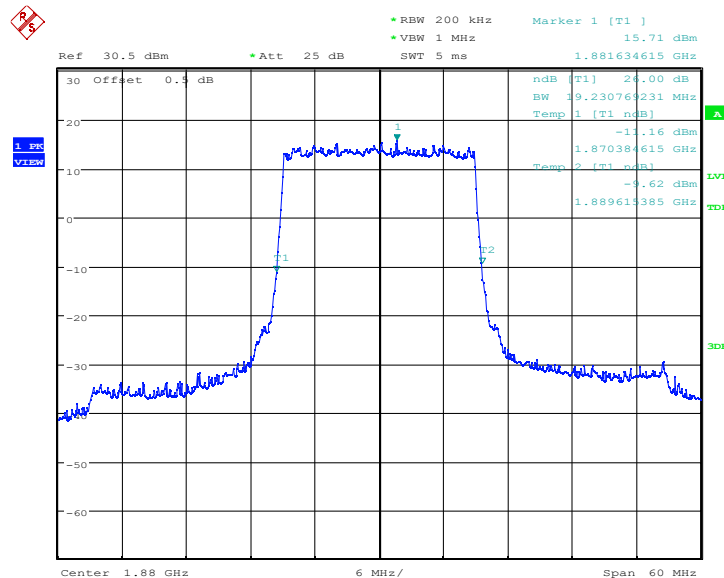
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



**LTE band 2 , 20MHz Bandwidth,QPSK (-26dBc BW)**



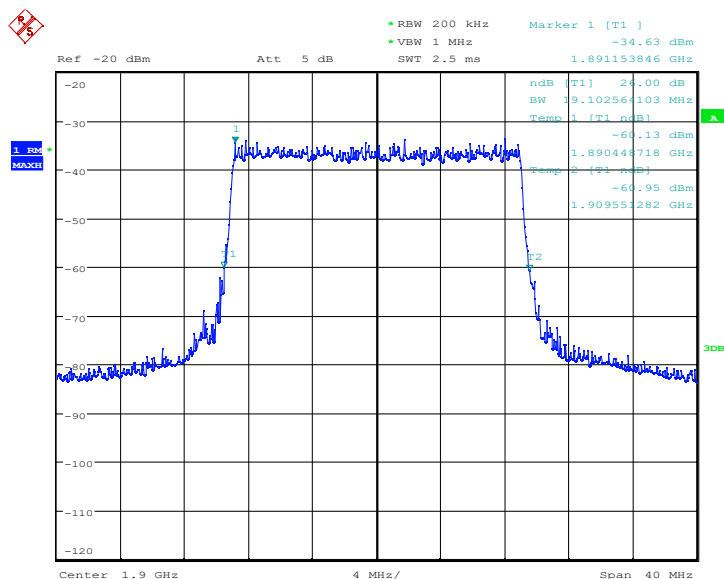
Date: 21.JUL.2022 15:38:32



Date: 13.JUN.2022 23:12:32

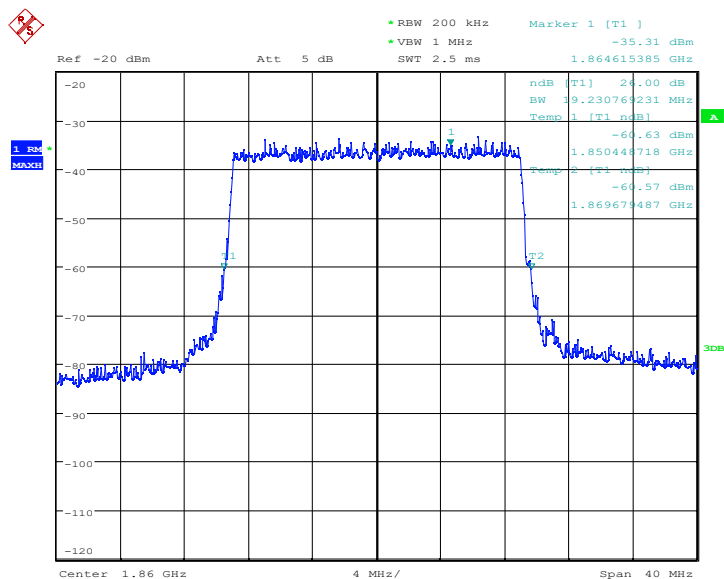
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:40:44

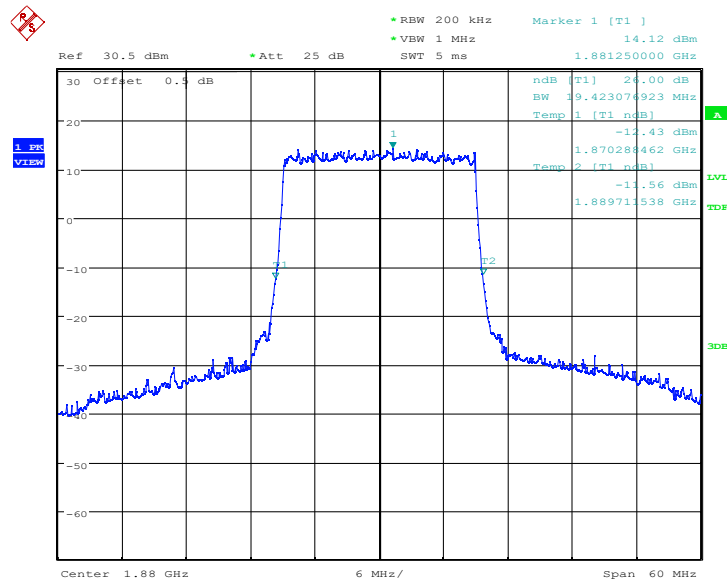
### LTE band 2 , 20MHz Bandwidth,16QAM (-26dBc BW)



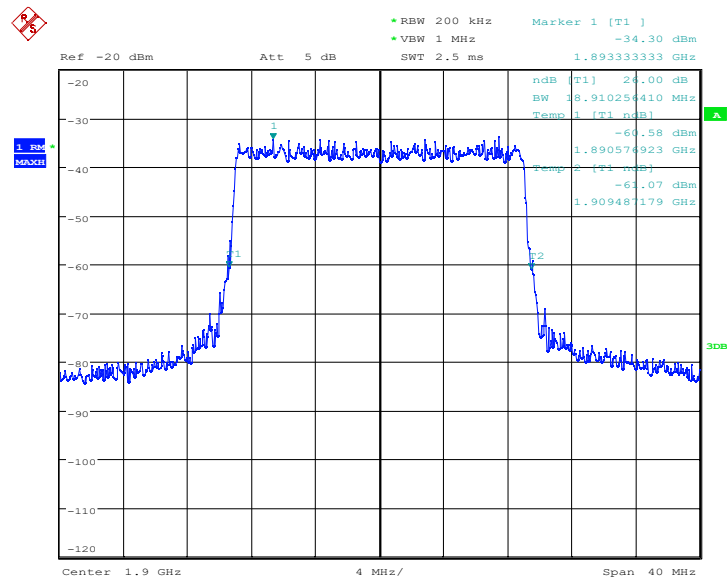
Date: 21.JUL.2022 15:38:48

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:12:59



Date: 21.JUL.2022 15:40:27

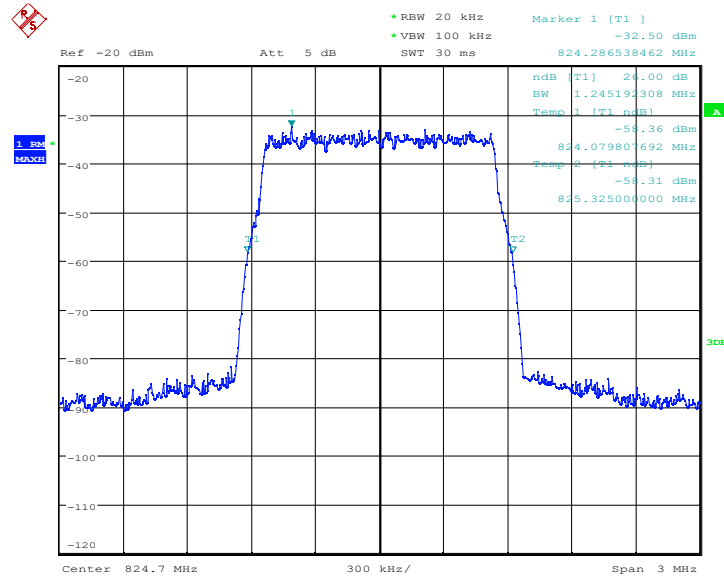
### LTE band 5,1.4MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 824.7          | 1.245                            | 1.250 |
| 836.5          | 1.252                            | 1.259 |
| 848.3          | 1.245                            | 1.254 |

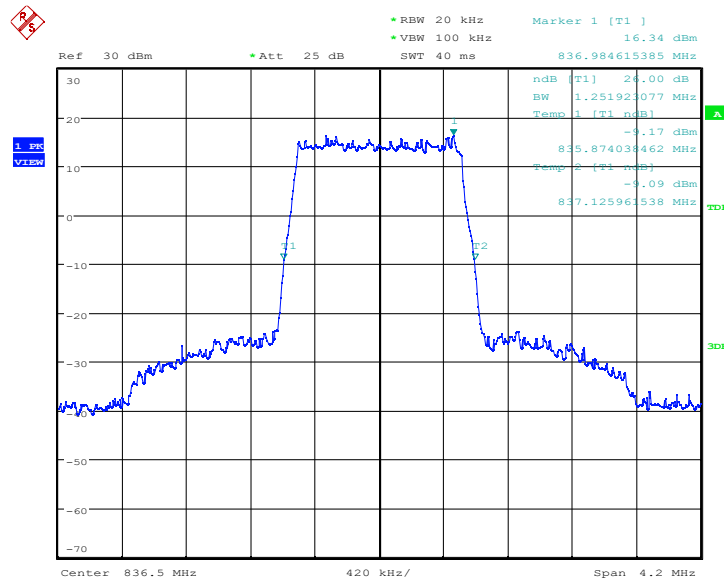
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### LTE band 5 , 1.4MHz Bandwidth,QPSK (-26dBc BW)



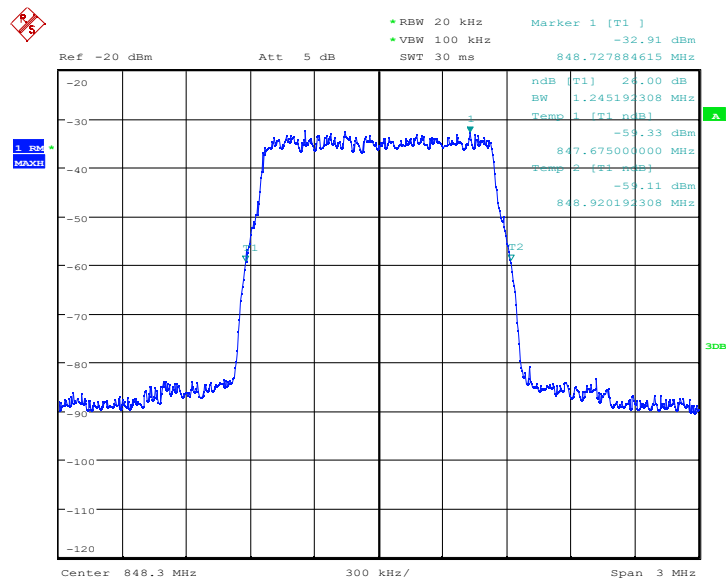
Date: 21.JUL.2022 15:52:36



Date: 13.JUN.2022 23:13:53

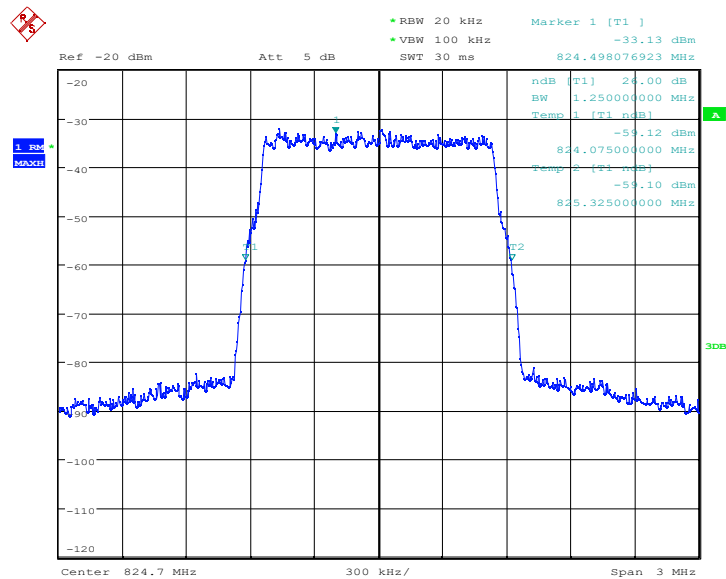
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:08:41

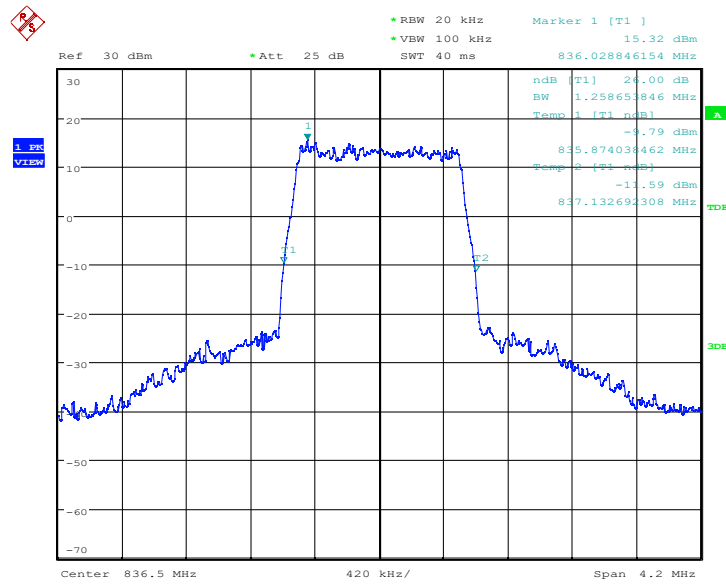
### LTE band 5 , 1.4MHz Bandwidth,16QAM (-26dBc BW)



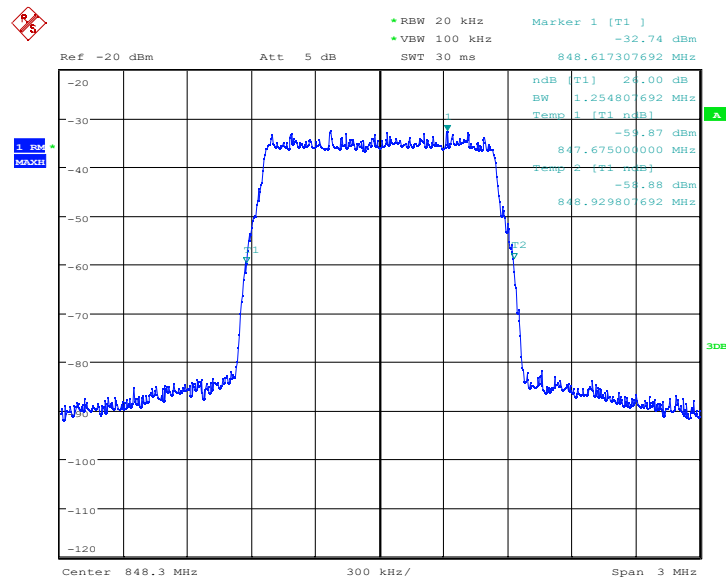
Date: 21.JUL.2022 15:53:02

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:14:22



Date: 21.JUL.2022 16:08:21

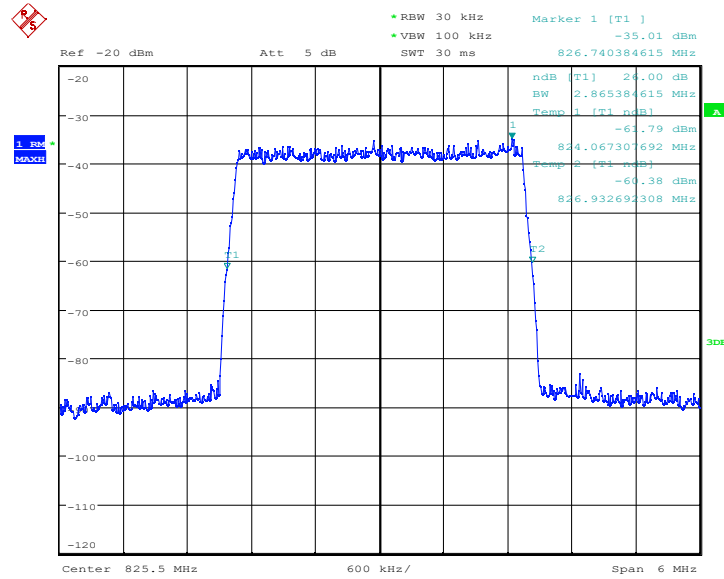
### LTE band 5,3MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 825.5          | 2.865                            | 2.884 |
| 836.5          | 2.885                            | 2.899 |
| 847.5          | 2.875                            | 2.875 |

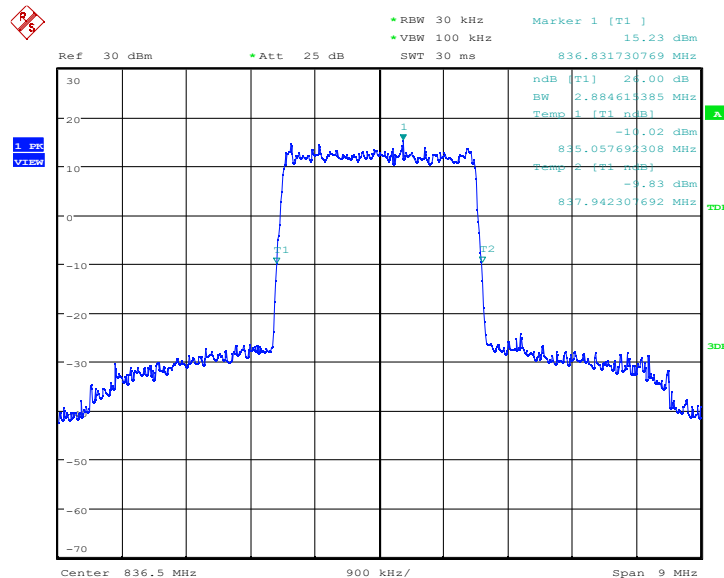
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 5 , 3MHz Bandwidth,QPSK (-26dBc BW)**



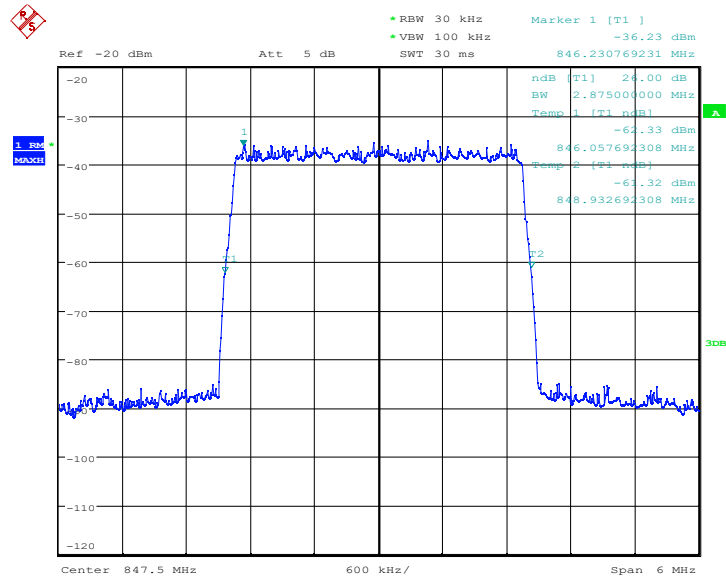
Date: 21.JUL.2022 15:54:15



Date: 13.JUN.2022 23:14:54

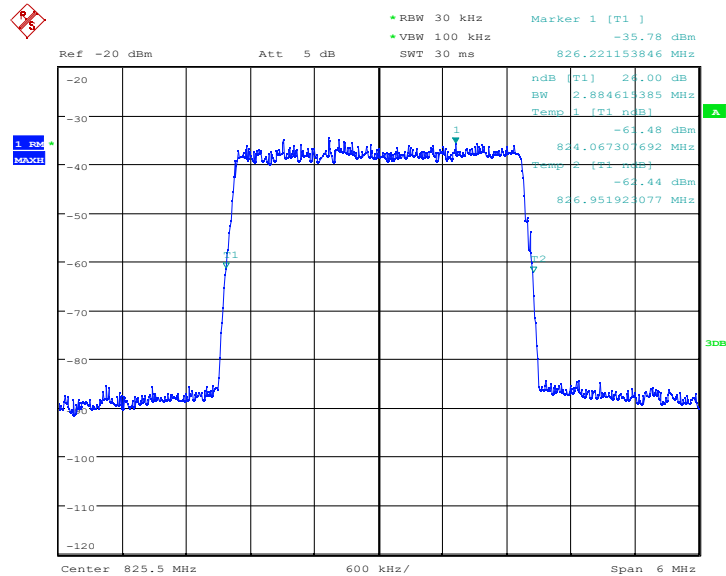
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:07:18

### LTE band 5 , 3MHz Bandwidth,16QAM (-26dBc BW)

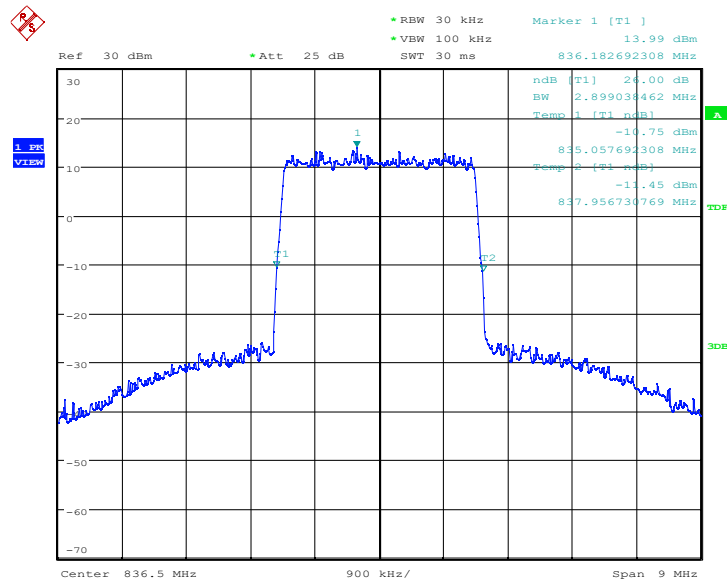


Date: 21.JUL.2022 15:54:32

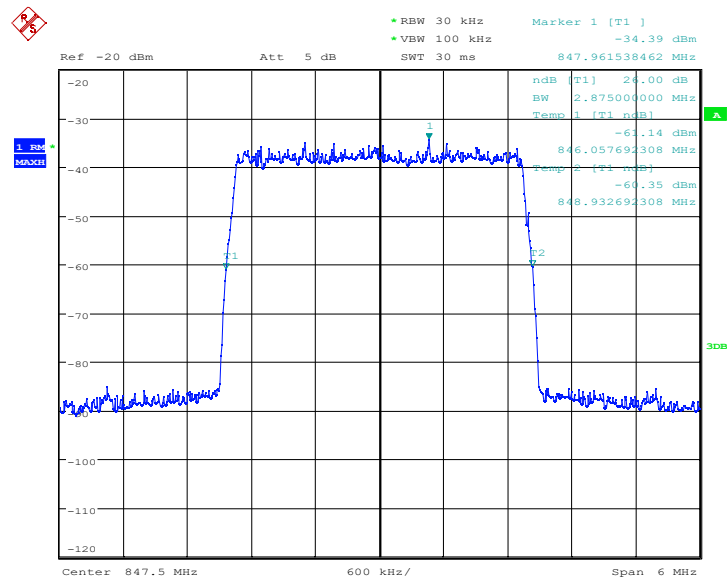
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 13.JUN.2022 23:15:20



Date: 21.JUL.2022 16:06:58

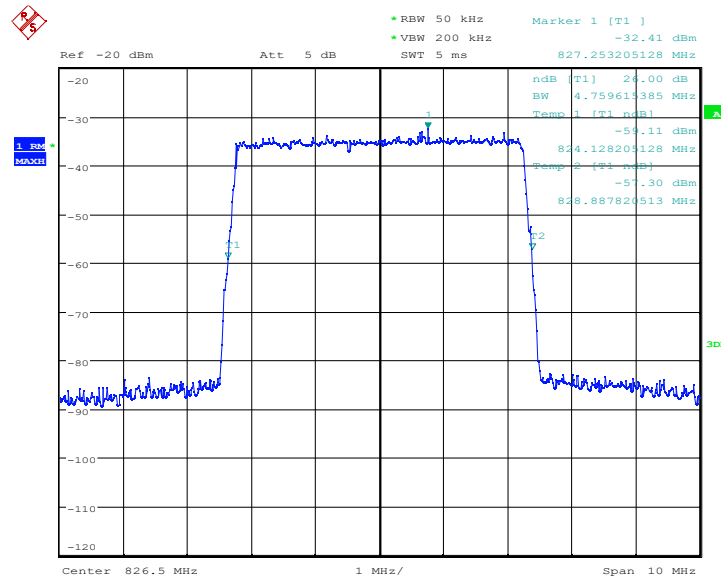
### LTE band 5,5MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 826.5          | 4.760                            | 4.775 |
| 836.5          | 4.784                            | 4.784 |
| 846.5          | 4.791                            | 4.791 |

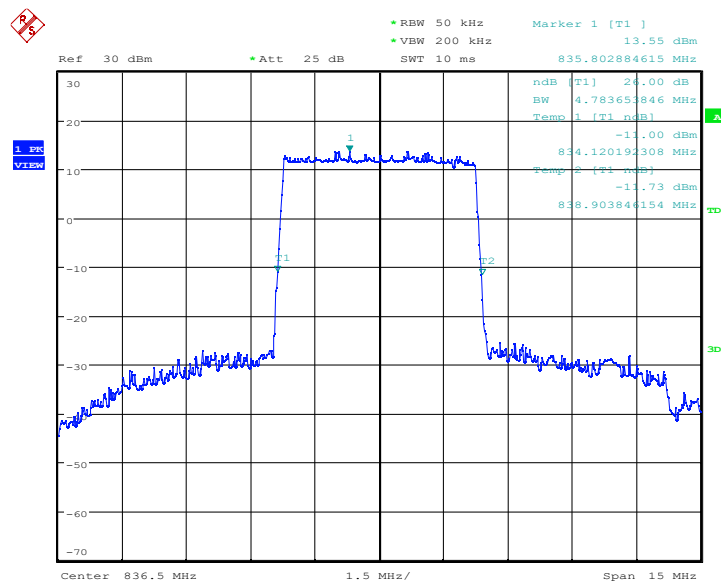
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 5 , 5MHz Bandwidth,QPSK (-26dBc BW)**



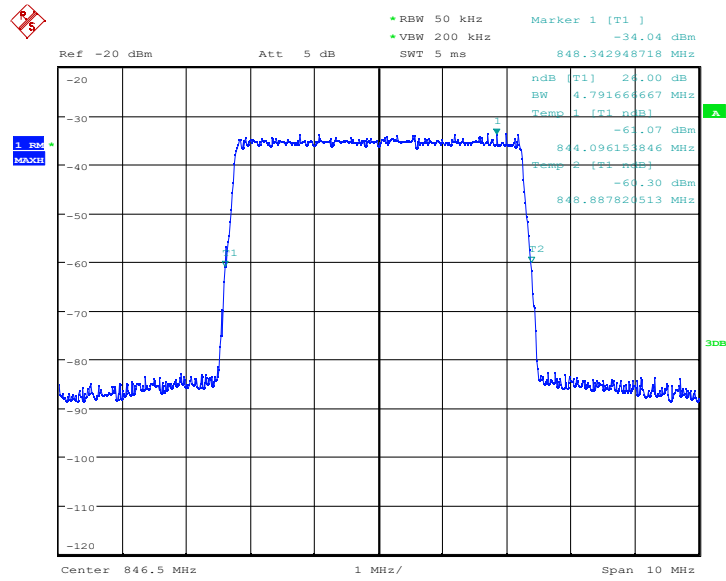
Date: 21.JUL.2022 15:55:45



Date: 13.JUN.2022 23:15:46

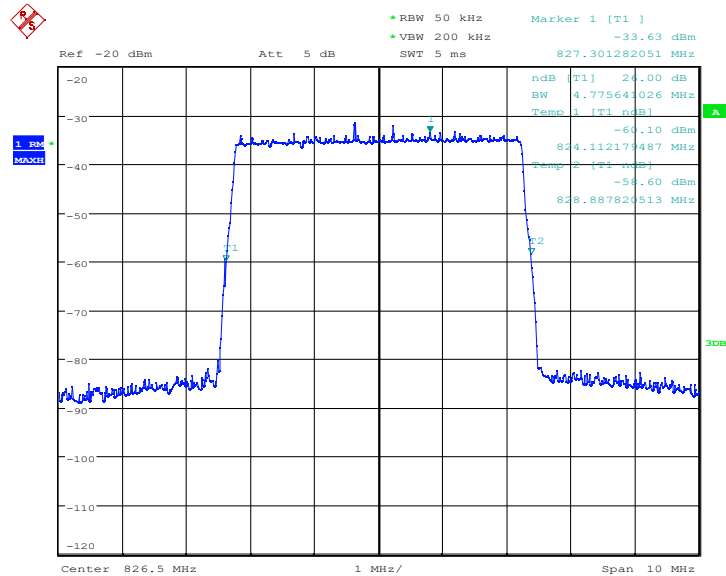
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:05:46

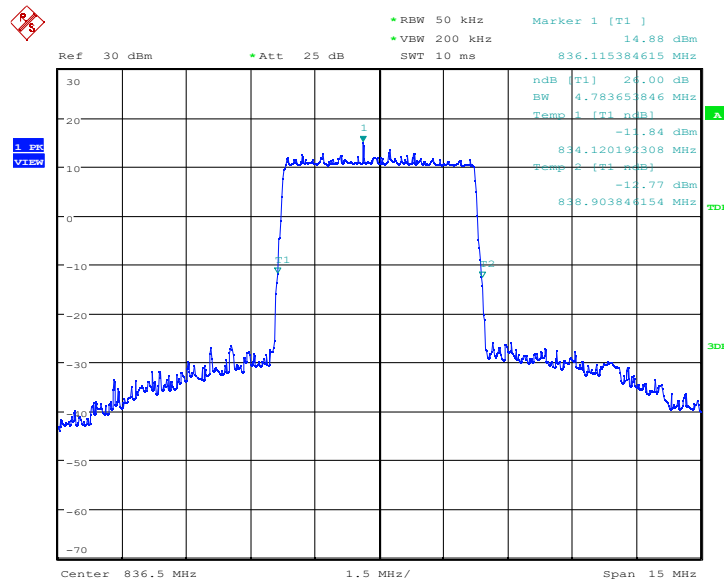
### LTE band 5 , 5MHz Bandwidth,16QAM (-26dBc BW)



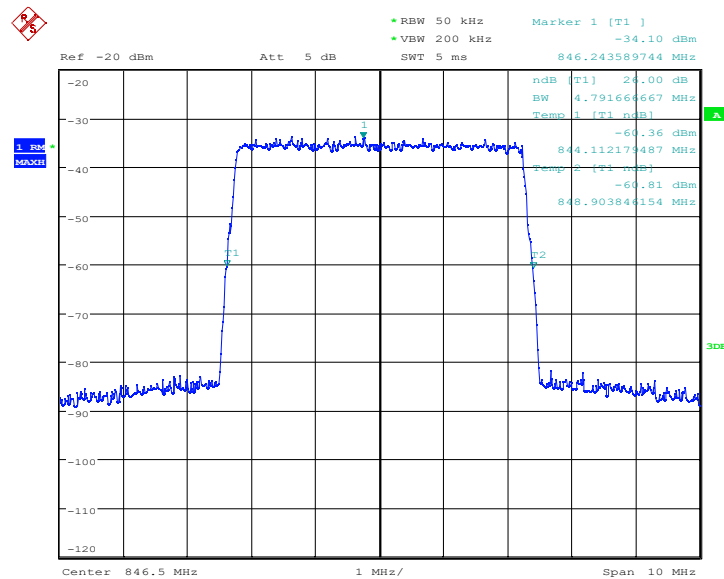
Date: 21.JUL.2022 15:56:03

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:16:08



Date: 21.JUL.2022 16:05:28

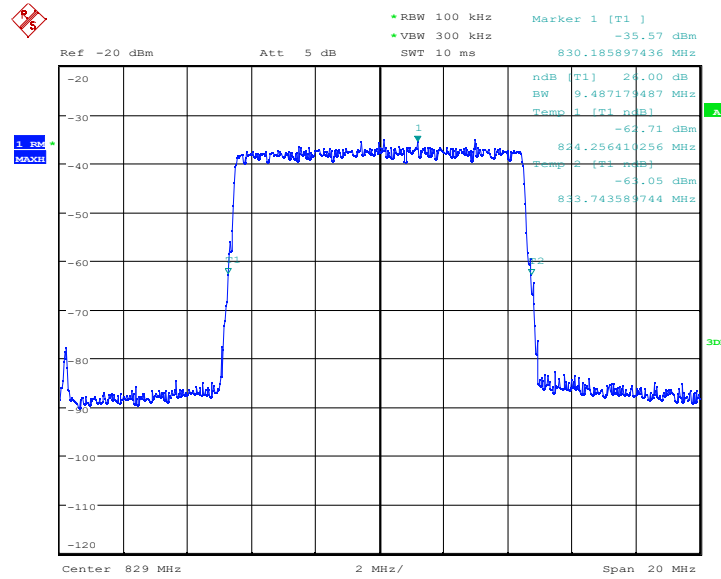
### LTE band 5,10MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 829            | 9.487                            | 9.487 |
| 836.5          | 9.567                            | 9.567 |
| 844            | 9.455                            | 9.423 |

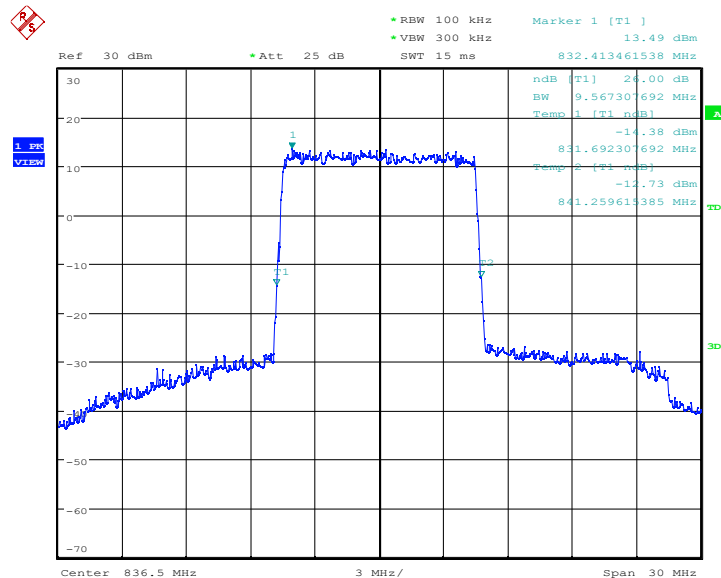
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 5 , 10MHz Bandwidth,QPSK (-26dBc BW)**



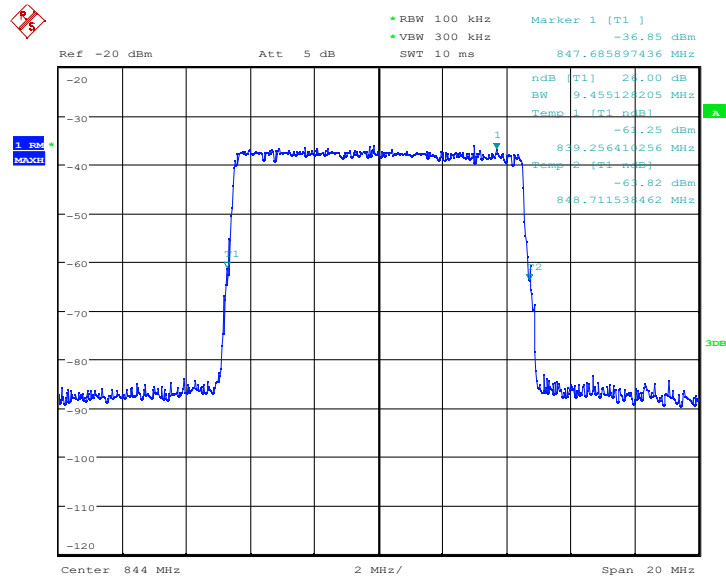
Date: 21.JUL.2022 15:57:22



Date: 13.JUN.2022 23:16:36

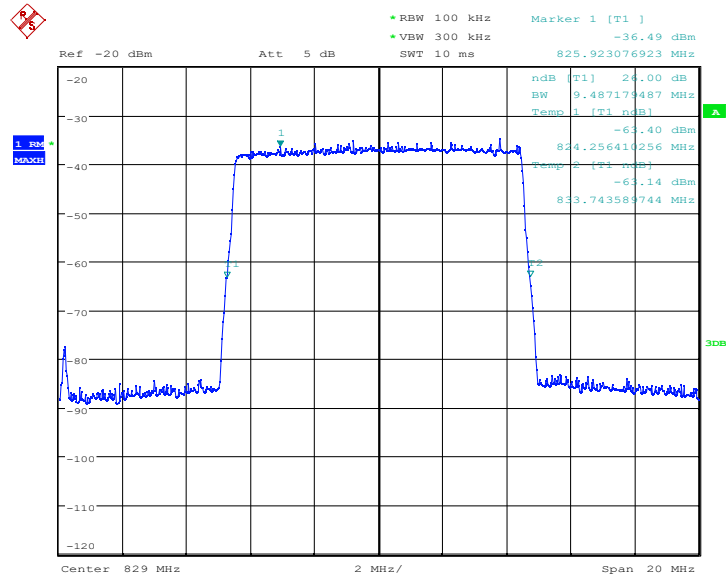
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:04:09

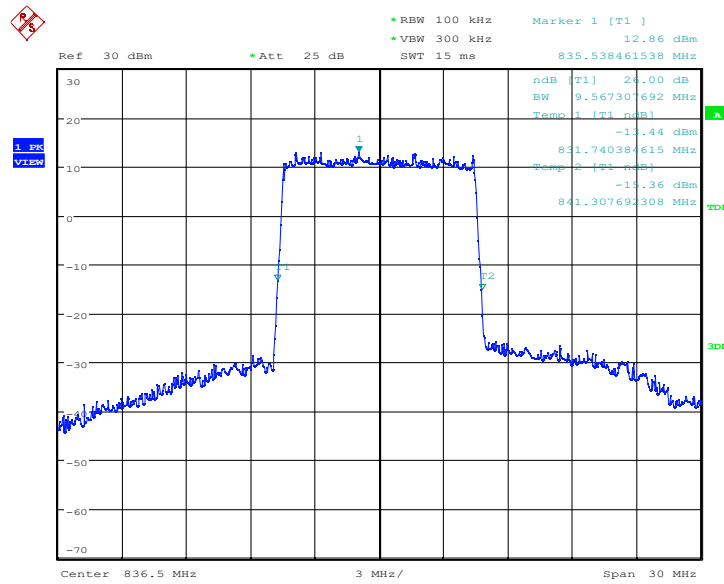
### LTE band 5 , 10MHz Bandwidth,16QAM (-26dBc BW)



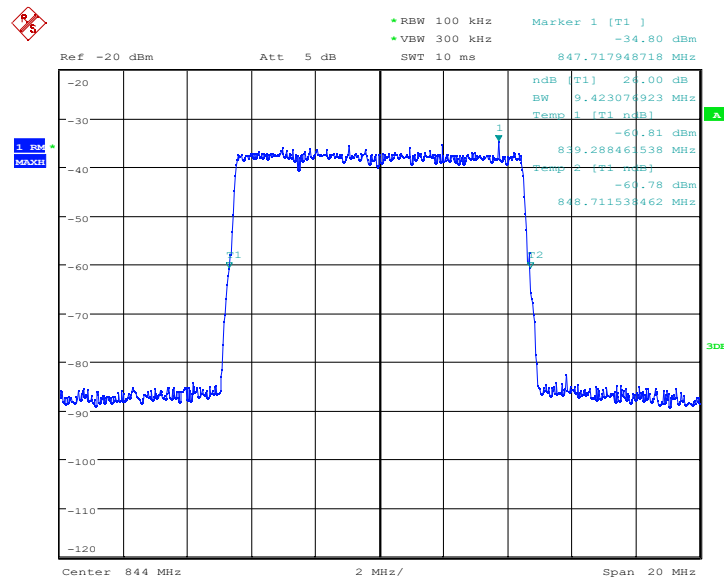
Date: 21.JUL.2022 15:57:44

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:17:03



Date: 21.JUL.2022 16:03:52

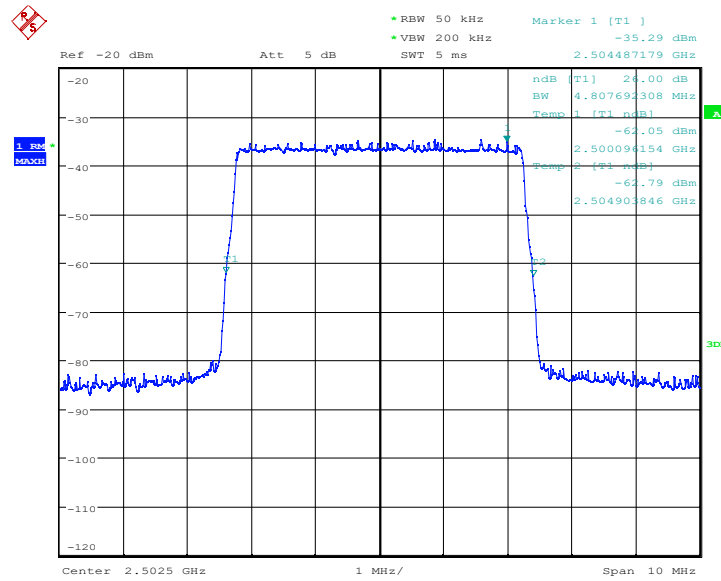
### LTE band 7,5MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 2502.5         | 4.808                            | 4.808 |
| 2535           | 4.808                            | 4.784 |
| 2567.5         | 4.775                            | 4.775 |

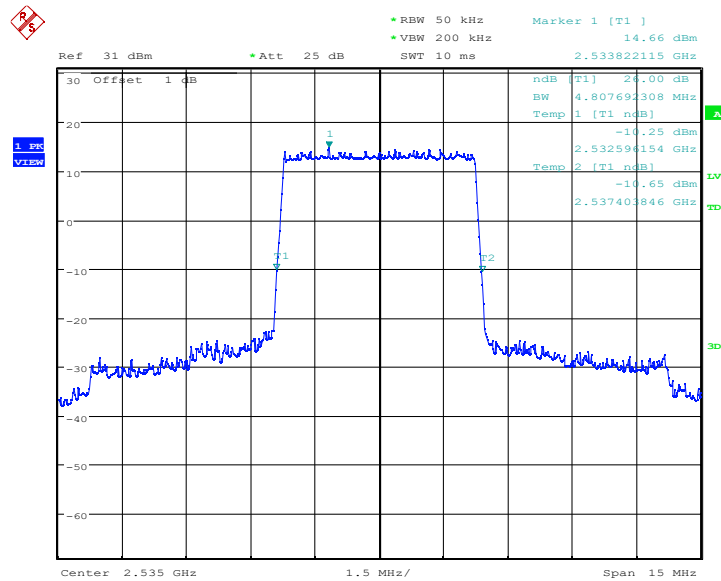
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 7 , 5MHz Bandwidth,QPSK (-26dBc BW)**



Date: 21.JUL.2022 16:27:40

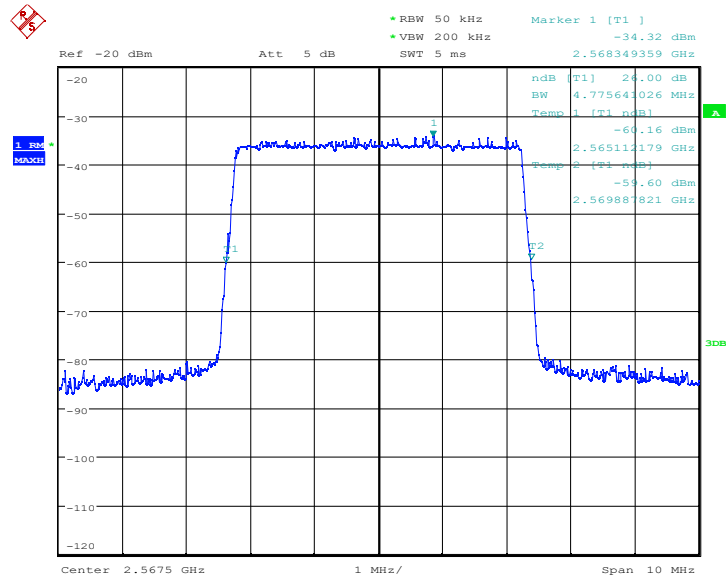


Date: 13.JUN.2022 23:17:38

**Chongqing Academy of Information and Communication Technology**

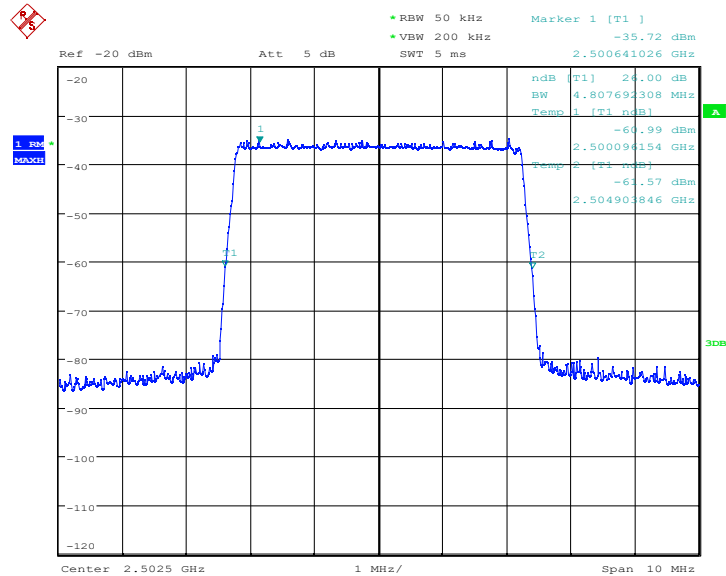
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 21.JUL.2022 16:39:26

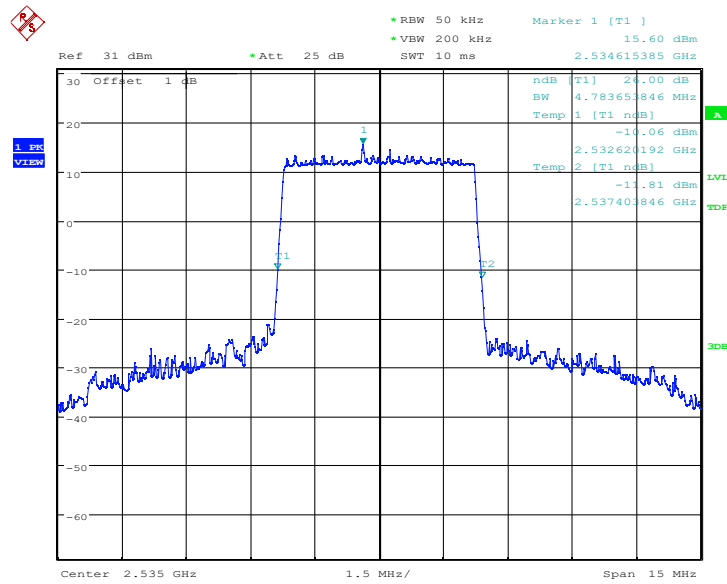
### LTE band 7 , 5MHz Bandwidth,16QAM (-26dBc BW)



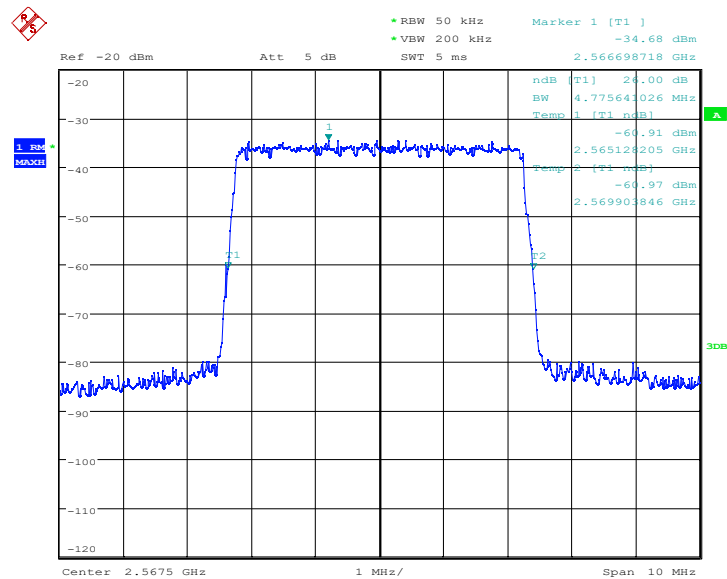
Date: 21.JUL.2022 16:28:08

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:17:59



Date: 21.JUL.2022 16:39:02

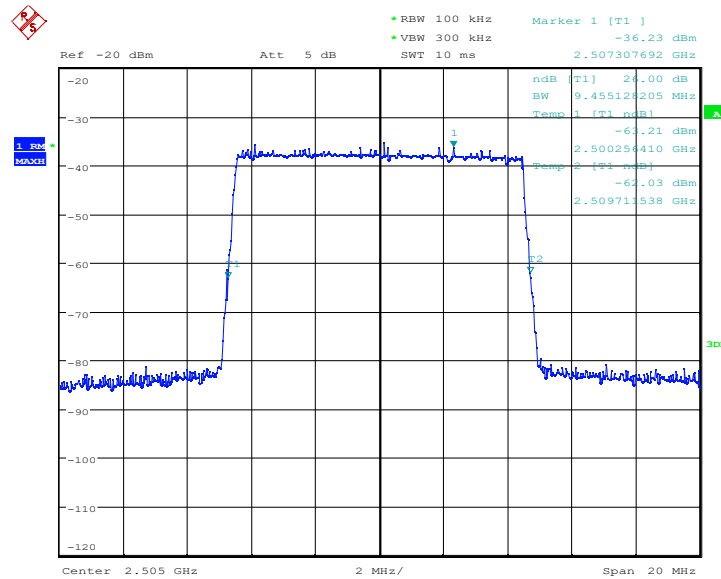
### LTE band 7,10MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |       |
|----------------|----------------------------------|-------|
|                | QPSK                             | 16QAM |
| 2505           | 9.455                            | 9.455 |
| 2535           | 9.615                            | 9.519 |
| 2565           | 9.487                            | 9.455 |

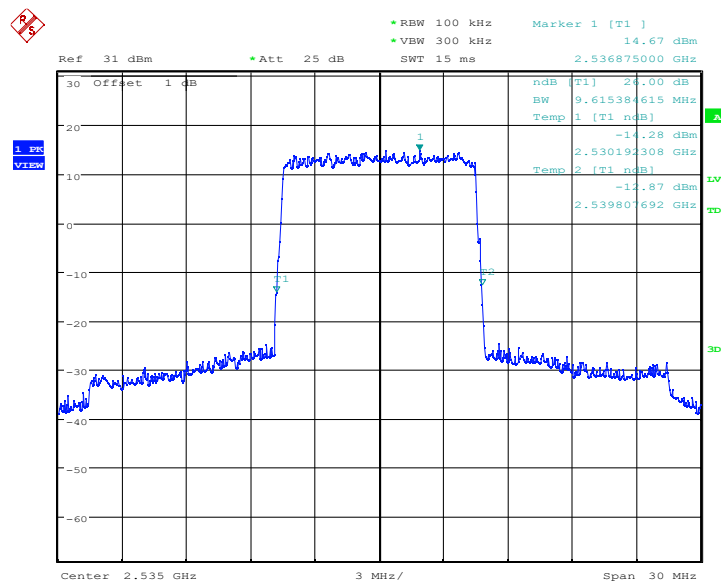
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 7 , 10MHz Bandwidth,QPSK (-26dBc BW)**



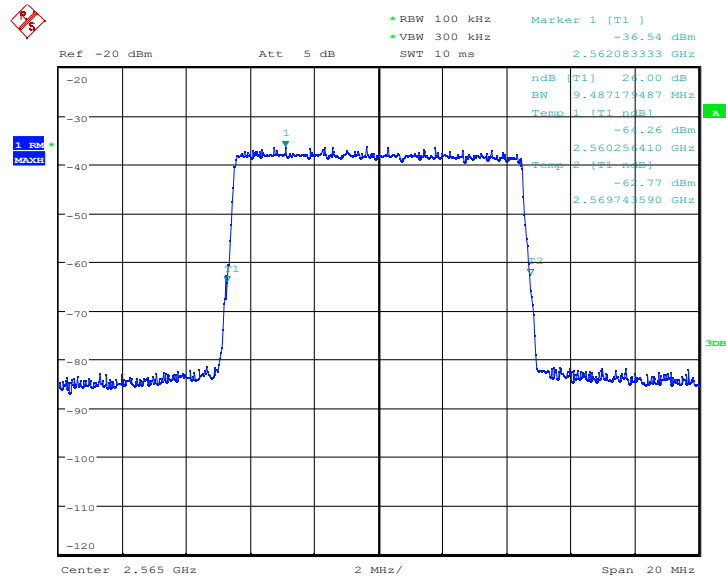
Date: 21.JUL.2022 16:29:23



Date: 13.JUN.2022 23:18:32

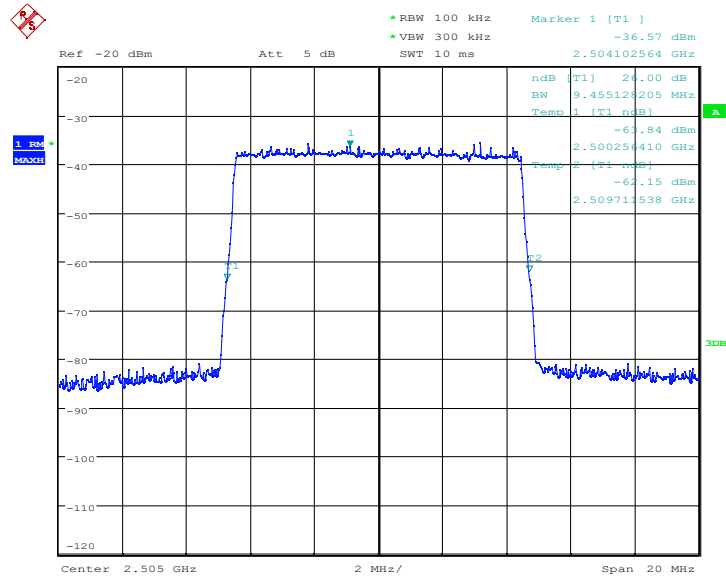
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:37:48

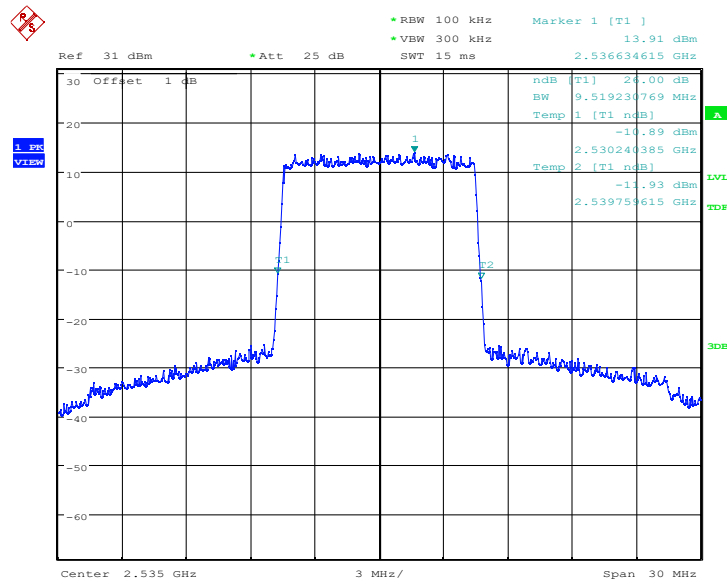
### LTE band 7 , 10MHz Bandwidth,16QAM (-26dBc BW)



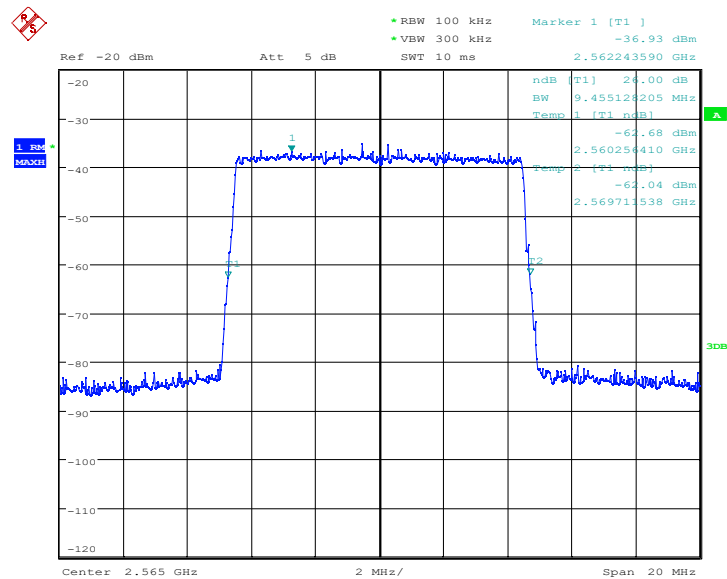
Date: 21.JUL.2022 16:29:42

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:19:06



Date: 21.JUL.2022 16:37:30

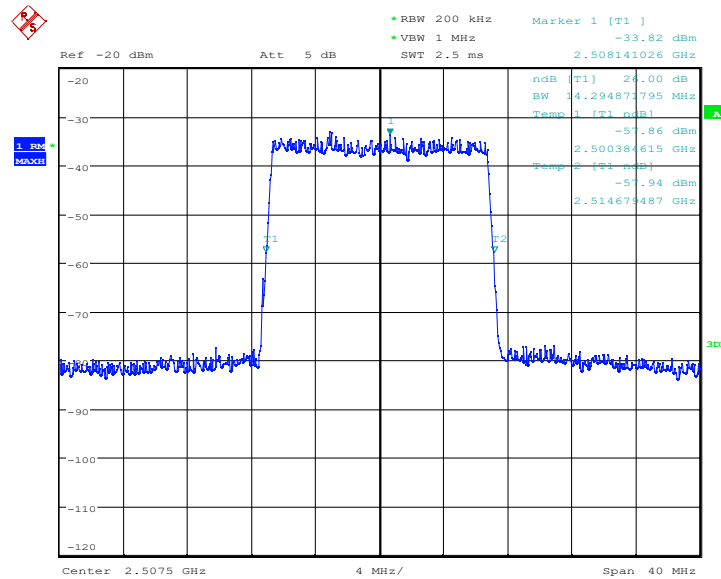
### LTE band 7,15MHz(-26dBc)

| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |        |
|----------------|----------------------------------|--------|
|                | QPSK                             | 16QAM  |
| 2507.5         | 14.294                           | 14.358 |
| 2535           | 14.423                           | 14.495 |
| 2562.5         | 14.294                           | 14.358 |

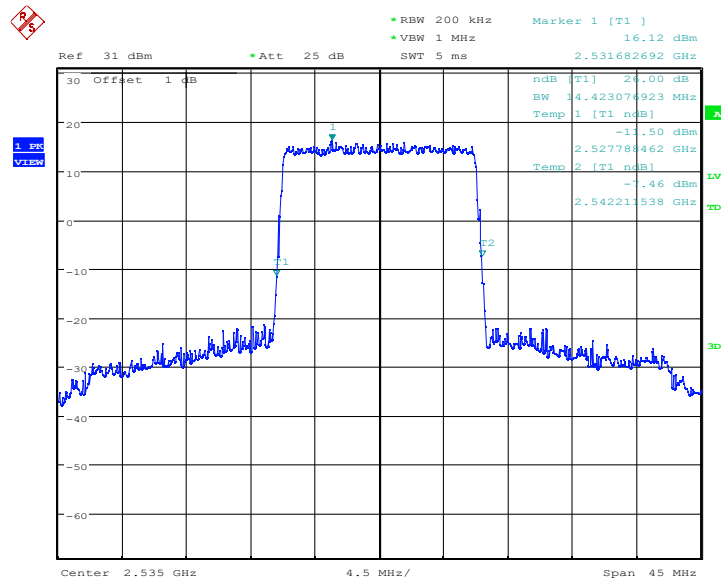
## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

**LTE band 7 , 15MHz Bandwidth,QPSK (-26dBc BW)**



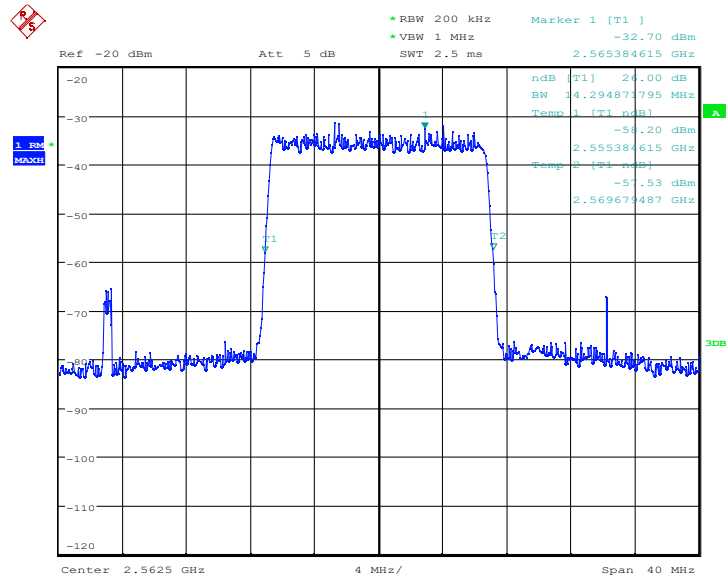
Date: 21.JUL.2022 16:30:50



Date: 13.JUN.2022 23:19:37

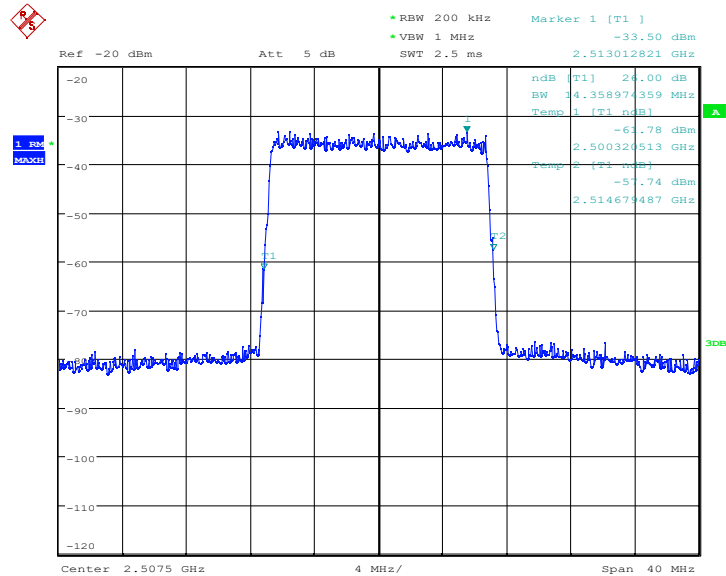
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:35:28

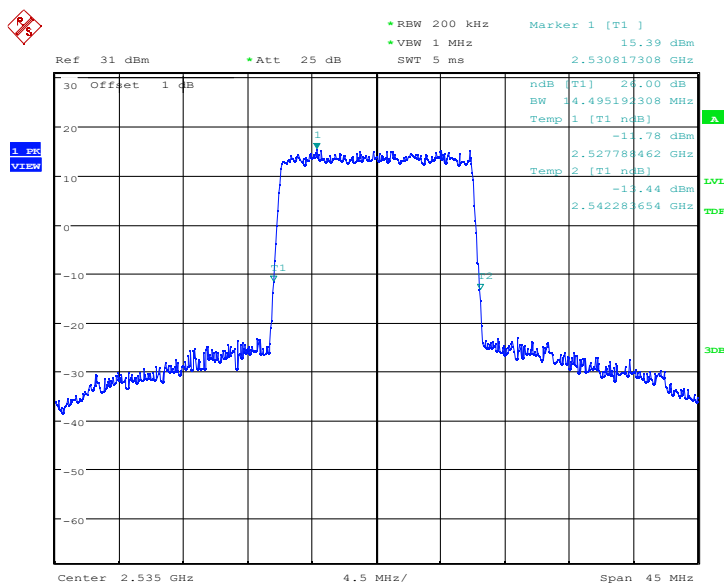
### LTE band 7 , 15MHz Bandwidth,16QAM (-26dBc BW)



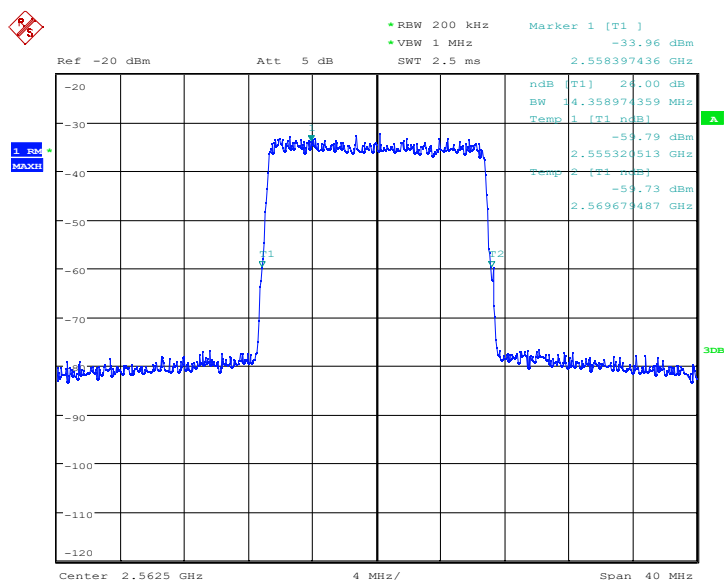
Date: 21.JUL.2022 16:31:12

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:19:59



Date: 21.JUL.2022 16:35:51

### LTE band 7,20MHz(-26dBc)

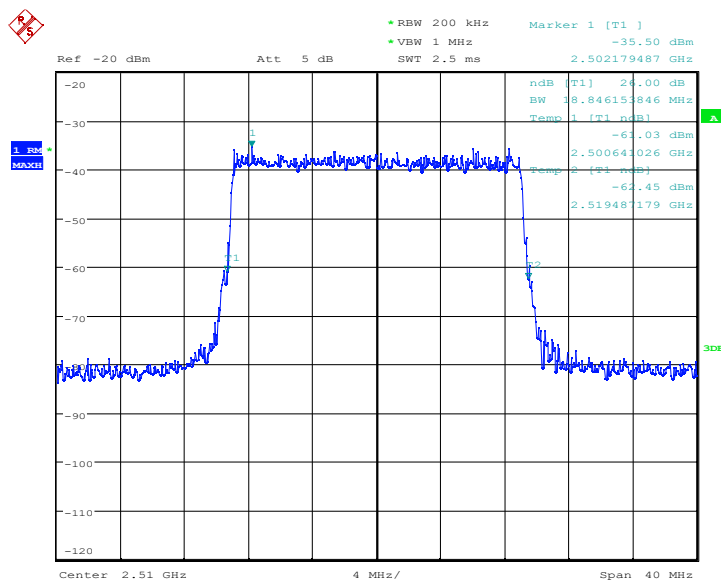
| Frequency(MHz) | Emission Bandwidth (-26dBc)(MHz) |        |
|----------------|----------------------------------|--------|
|                | QPSK                             | 16QAM  |
| 2510           | 18.846                           | 19.166 |
| 2535           | 19.231                           | 19.423 |
| 2560           | 19.038                           | 18.974 |

## Chongqing Academy of Information and Communication Technology

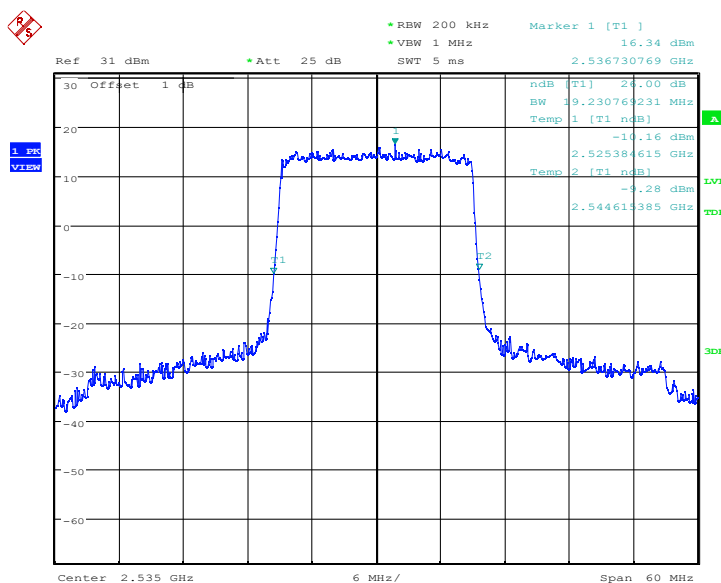
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



**LTE band 7 , 20MHz Bandwidth,QPSK (-26dBc BW)**



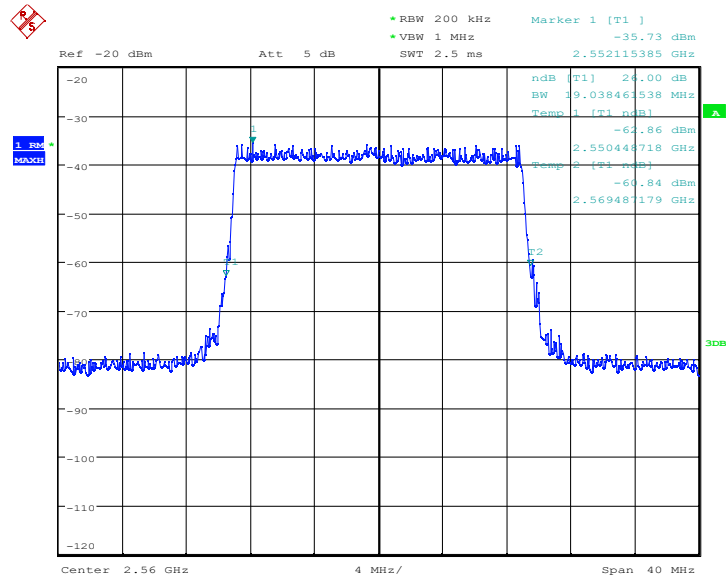
Date: 21.JUL.2022 16:32:21



Date: 13.JUN.2022 23:20:28

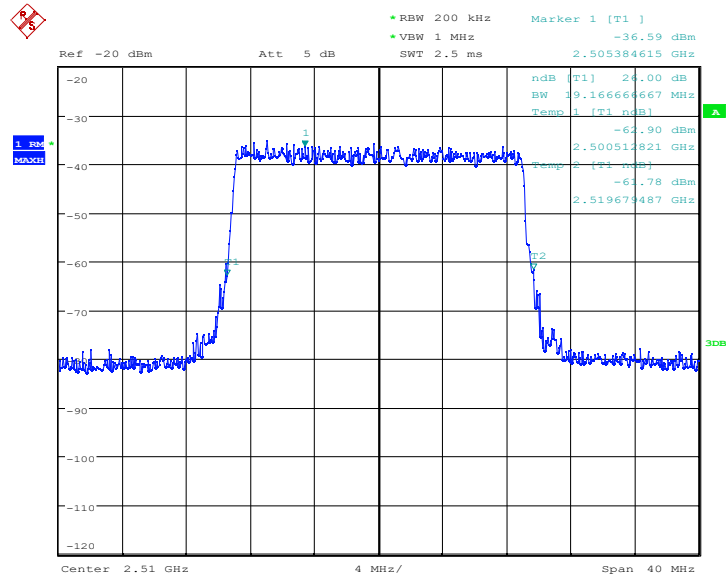
**Chongqing Academy of Information and Communication Technology**

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:33:57

### LTE band 7 , 20MHz Bandwidth,16QAM (-26dBc BW)



Date: 21.JUL.2022 16:32:38

## Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777