

# FCC Radio Test Report

## FCC ID: 2AJN7-TP00160AL

**Report No.** : BTL-FCCP-2-2311T076  
**Equipment** : Notebook Computer  
**Model Name** : TP00160A  
**Brand Name** : Lenovo  
**Applicant** : LC Future Center  
**Address** : 7F., No. 780, Beian Rd., Zhongshan Dist., Taipei City 104, Taiwan  
**Manufacturer** : Lenovo PC HK Limited  
**Address** : 23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, P.R. China

**Radio Function** : WCDMA Band II, LTE Band 2, 25

**FCC Rule Part(s)** : FCC CFR Title 47, Part 24, Subpart E

**Date of Receipt** : 2023/11/16

**Date of Test** : 2023/11/28 ~ 2023/12/7

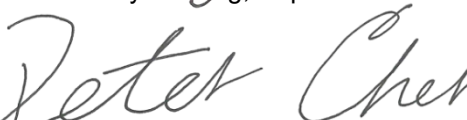
**Issued Date** : 2024/4/1

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

**Prepared by**

:   
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**Approved by**

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**BTL Inc.**

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**Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

**BTL's** laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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### REVISION HISTORY

| Report No.          | Version | Description                   | Issued Date | Note    |
|---------------------|---------|-------------------------------|-------------|---------|
| BTL-FCCP-2-2311T076 | R00     | Original Report.              | 2024/1/15   | Invalid |
| BTL-FCCP-2-2311T076 | R01     | Revised Typo.                 | 2024/3/22   | Invalid |
| BTL-FCCP-2-2311T076 | R02     | Revised Equipment Model Name. | 2024/3/27   | Invalid |
| BTL-FCCP-2-2311T076 | R03     | Revised Typo.                 | 2024/4/1    | Valid   |

## 1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

| Standard(s) Section | Description                        | Test Result | Judgement | Remark |
|---------------------|------------------------------------|-------------|-----------|--------|
| 2.1046<br>24.232(c) | Effective Isotropic Radiated Power | APPENDIX A  | Pass      | -----  |
| 24.232(d)           | Peak To Average Ratio              | NOTE (3)    | Pass      | -----  |
| 2.1049              | Occupied Bandwidth                 | NOTE (3)    | Pass      | -----  |
| 2.1051<br>24.238(a) | Band Edge Measurements             | NOTE (3)    | Pass      | -----  |
| 2.1051<br>24.238(a) | Conducted Spurious Emissions       | NOTE (3)    | Pass      | -----  |
| 2.1055<br>24.235    | Frequency Stability                | NOTE (3)    | Pass      | -----  |
| 2.1053<br>24.238(a) | Radiated Spurious Emissions        | APPENDIX B  | Pass      | -----  |

### NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) This item is demonstrated to full compliance referring to the test report number SEWM2304000133RG01 of the integrated module (model name: EM061K-GL, FCC ID: XMR2023EM061KGL), according to KDB 996369 D02 Q1 a) 2).
- (4) The ac power lines conducted emissions and radiated emissions are tested to demonstrate full compliance of both module integrated into the host and host itself.

## 1.1 REFERENCE TEST GUIDANCE

ANSI C63.26-2015

ANSI/TIA-603-E-2016

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

## 1.2 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.

The test location(s) used to collect the test data in this report are:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
(FCC DN: TW0659)

☐ C05 ☒ SR10 ☒ SR11

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
(FCC DN: TW0659)

☐ C06 ☒ CB21 ☐ CB22

## 1.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k = 2$ , providing a level of confidence of approximately **95 %**.

The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2  $U_{\text{cisp}} requirement$ .

A. Radiated emissions test :

| Test Site | Measurement Frequency Range | U,(dB) |
|-----------|-----------------------------|--------|
| CB21      | 0.03 GHz ~ 0.2 GHz          | 4.17   |
|           | 0.2 GHz ~ 1 GHz             | 4.72   |
|           | 1 GHz ~ 6 GHz               | 5.21   |
|           | 6 GHz ~ 18 GHz              | 5.51   |
|           | 18 GHz ~ 26 GHz             | 3.69   |
|           | 26 GHz ~ 40 GHz             | 4.23   |

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

## 1.4 TEST ENVIRONMENT CONDITIONS

| Test Item                          | Environment Condition | Test Voltage | Tested by               |
|------------------------------------|-----------------------|--------------|-------------------------|
| Effective Isotropic Radiated Power | 23.2 °C, 42 %         | AC 120V      | Jerry Chuang            |
| Radiated Spurious Emissions        | Refer to data         | AC 120V      | Mark Wang<br>Kevin Zhen |

## 2 GENERAL INFORMATION

### 2.1 DESCRIPTION OF EUT

|                     |                                                                                                          |                    |       |                    |  |
|---------------------|----------------------------------------------------------------------------------------------------------|--------------------|-------|--------------------|--|
| Equipment           | Notebook Computer                                                                                        |                    |       |                    |  |
| Model Name          | TP00160A                                                                                                 |                    |       |                    |  |
| Brand Name          | Lenovo                                                                                                   |                    |       |                    |  |
| Model Difference    | N/A                                                                                                      |                    |       |                    |  |
| Power Source        | DC voltage supplied from External Power Supply.<br>(Lenovo/ ADLX65YSDC2A)                                |                    |       |                    |  |
| Power Rating        | I/P: 100-240V~ 1.8A 50-60Hz<br>O/P: 20.0VDC 3.25A 65.0W / 15.0VDC 3.0A / 9.0VDC 3.0A / 5.0VDC 3.0A 15.0W |                    |       |                    |  |
| WWAN Module         | Quectel / EM061K-GL                                                                                      |                    |       |                    |  |
| Operation Frequency | Band                                                                                                     | UL Frequency (MHz) |       | DL Frequency (MHz) |  |
|                     | WCDMA II                                                                                                 | 1850 ~ 1910        |       | 1930 ~ 1990        |  |
|                     | LTE 2                                                                                                    | 1850 ~ 1910        |       | 1930 ~ 1990        |  |
|                     | LTE 25                                                                                                   | 1850 ~ 1915        |       | 1930 ~ 1995        |  |
| Maximum EIRP        | Band                                                                                                     | BW (MHz)           | Mode  | Power (W)          |  |
|                     | WCDMA II                                                                                                 | -                  | -     | 0.101              |  |
|                     | LTE 2                                                                                                    | 1.4                | QPSK  | 0.108              |  |
|                     |                                                                                                          |                    | 16QAM | 0.090              |  |
|                     |                                                                                                          | 3                  | QPSK  | 0.110              |  |
|                     |                                                                                                          |                    | 16QAM | 0.091              |  |
|                     |                                                                                                          | 5                  | QPSK  | 0.111              |  |
|                     |                                                                                                          |                    | 16QAM | 0.093              |  |
|                     |                                                                                                          | 10                 | QPSK  | 0.112              |  |
|                     |                                                                                                          |                    | 16QAM | 0.094              |  |
|                     |                                                                                                          | 15                 | QPSK  | 0.114              |  |
|                     |                                                                                                          |                    | 16QAM | 0.095              |  |
|                     |                                                                                                          | 20                 | QPSK  | 0.116              |  |
|                     |                                                                                                          |                    | 16QAM | 0.096              |  |
|                     | LTE 25                                                                                                   | 1.4                | QPSK  | 0.109              |  |
|                     |                                                                                                          |                    | 16QAM | 0.092              |  |
|                     |                                                                                                          | 3                  | QPSK  | 0.110              |  |
|                     |                                                                                                          |                    | 16QAM | 0.094              |  |
|                     |                                                                                                          | 5                  | QPSK  | 0.111              |  |
|                     |                                                                                                          |                    | 16QAM | 0.095              |  |
|                     |                                                                                                          | 10                 | QPSK  | 0.112              |  |
|                     |                                                                                                          |                    | 16QAM | 0.096              |  |
|                     |                                                                                                          | 15                 | QPSK  | 0.114              |  |
|                     |                                                                                                          |                    | 16QAM | 0.097              |  |
|                     |                                                                                                          | 20                 | QPSK  | 0.115              |  |
|                     |                                                                                                          |                    | 16QAM | 0.098              |  |
| Test Model          |                                                                                                          | TP00160A           |       |                    |  |
| Sample Status       |                                                                                                          | Engineering Sample |       |                    |  |
| EUT Modification(s) | N/A                                                                                                      |                    |       |                    |  |

#### NOTE:

- (1) The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

(2) Table for Filed Antenna:

| Antenna | Manufacture  | Parts Number | Type | Connector | Gain (dBi) | Note          |
|---------|--------------|--------------|------|-----------|------------|---------------|
| Main    | Luxshare-ICT | DC330022F20  | PIFA | I-PEX     | -2.96      | WCDMA Band II |
|         |              |              |      |           | -2.88      | LTE Band 2    |
| Aux     | Luxshare-ICT | DC330022F20  | PIFA | I-PEX     | -          | LTE Band 25   |
|         |              |              |      |           |            | RX only       |

| Antenna | Manufacture | Parts Number | Type | Connector | Gain (dBi) | Note          |
|---------|-------------|--------------|------|-----------|------------|---------------|
| Main    | SPEEDWIRE   | DC330022J60  | PIFA | I-PEX     | -2.96      | WCDMA Band II |
|         |             |              |      |           | -2.88      | LTE Band 2    |
| Aux     | SPEEDWIRE   | DC330022J60  | PIFA | I-PEX     | -          | LTE Band 25   |
|         |             |              |      |           |            | RX only       |

- (3) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

## 2.2 TEST MODES

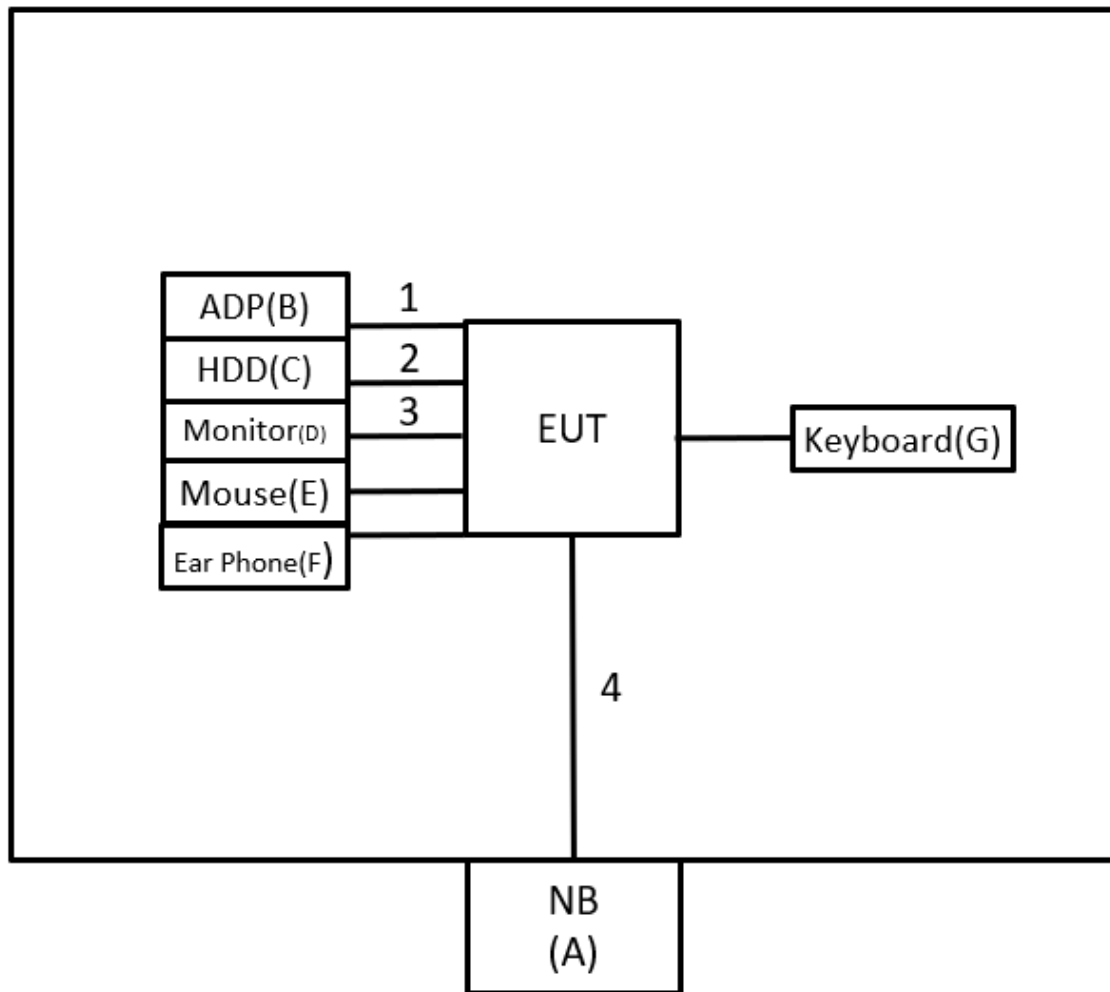
| Test Items                              | Band          | Test Mode                      | Note |
|-----------------------------------------|---------------|--------------------------------|------|
| Effective Radiated Power                | WCDMA Band II | Refer to APPENDIX A            | -    |
|                                         | LTE Band 2    |                                |      |
|                                         | LTE Band 25   |                                |      |
| Radiated Spurious Emissions (Below 1G)  | WCDMA Band II | TX Mode (CH 9538)              | -    |
|                                         | LTE Band 2    | TX Mode (CH 19100)             | -    |
|                                         | LTE Band 25   | TX Mode (CH 26590)             | -    |
| Radiated Spurious Emissions (Above 1G)  | WCDMA Band II | TX Mode (CH 9262/9400/9538)    | -    |
|                                         | LTE Band 2    | TX Mode (CH 18700/18900/19100) | -    |
|                                         | LTE Band 25   | TX Mode (CH 26140/26365/26590) | -    |
| Radiated Spurious Emissions (Above 18G) | WCDMA Band II | TX Mode (CH 9538)              | -    |
|                                         | LTE Band 2    | TX Mode (CH 19100)             | -    |
|                                         | LTE Band 25   | TX Mode (CH 26590)             | -    |

### NOTE:

- (1) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
- (2) For Radiated Spurious Emissions both QPSK and 16QAM are evaluated, but only the worst case (QPSK) is recorded.

### 2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.



### 2.4 SUPPORT UNITS

| Item | Equipment      | Brand  | Model No.    | Series No.                  | Remarks                     |
|------|----------------|--------|--------------|-----------------------------|-----------------------------|
| A    | NB             | HP     | TPN-I119     | N/A                         | Furnished by test lab.      |
| B    | ADP            | Lenovo | ADLX65YSDC2A | N/A                         | Supplied by test requester. |
| C    | USB 2.5" HDD   | TOSIBA | XS700        | 483B60M9KQS<br>S            | Furnished by test lab.      |
| D    | 27" 4K Monitor | DELL   | U2720Q       | CN-083VF-WSL<br>00-0B7-332L | Furnished by test lab.      |
| E    | Mouse          | Lenovo | SM-8823      | N/A                         | Furnished by test lab.      |
| F    | Ear Phone      | HTC    | N/A          | N/A                         | Furnished by test lab.      |
| G    | Keyboard       | Bloody | KB-8         | N/A                         | Furnished by test lab.      |

| Item | Shielded | Ferrite Core | Length | Cable Type             | Remarks                     |
|------|----------|--------------|--------|------------------------|-----------------------------|
| 1    | N/A      | N/A          | 0.9m   | Power Cord             | Supplied by test requester. |
| 2    | N/A      | N/A          | 1m     | Type C to USB<br>Cable | Furnished by test lab.      |
| 3    | N/A      | N/A          | 1.8m   | HDMI                   | Furnished by test lab.      |
| 4    | N/A      | N/A          | 10m    | RJ45 Cable             | Furnished by test lab.      |

### 3 EFFECTIVE ISOTROPICAL RADIATED POWER MEASUREMENT

#### 3.1 LIMIT

Mobile / Portable station are limited to 2 watts e.i.r.p.

#### 3.2 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 5.8.

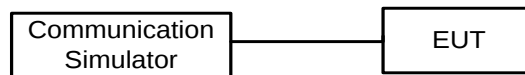
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
- $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn.}$
- ERP can be calculated form EIRP by subtracting the gain of dipole,  $ERP = EIPR - 2.15dBi.$
- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

#### 3.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 3.4 TEST SETUP

Conducted Measurement:



#### 3.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 3.6 TEST RESULT

Please refer to the APPENDIX A.

## 4 RADIATED SPURIOUS EMISSIONS MEASUREMENT

### 4.1 LIMIT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13dBm.

NOTE:

(1) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

| Reading Level<br>(dBm) |   | Correct Factor<br>(dB/m) |   | Measurement Value<br>(dBm) |
|------------------------|---|--------------------------|---|----------------------------|
| -50.43                 | + | -2.11                    | = | -52.54                     |

| Measurement Value<br>(dBm) |   | Limit Value<br>(dBm) |   | Margin Level<br>(dB) |
|----------------------------|---|----------------------|---|----------------------|
| -52.54                     | - | -13                  | = | -39.54               |

### 4.2 TEST PROCEDURE

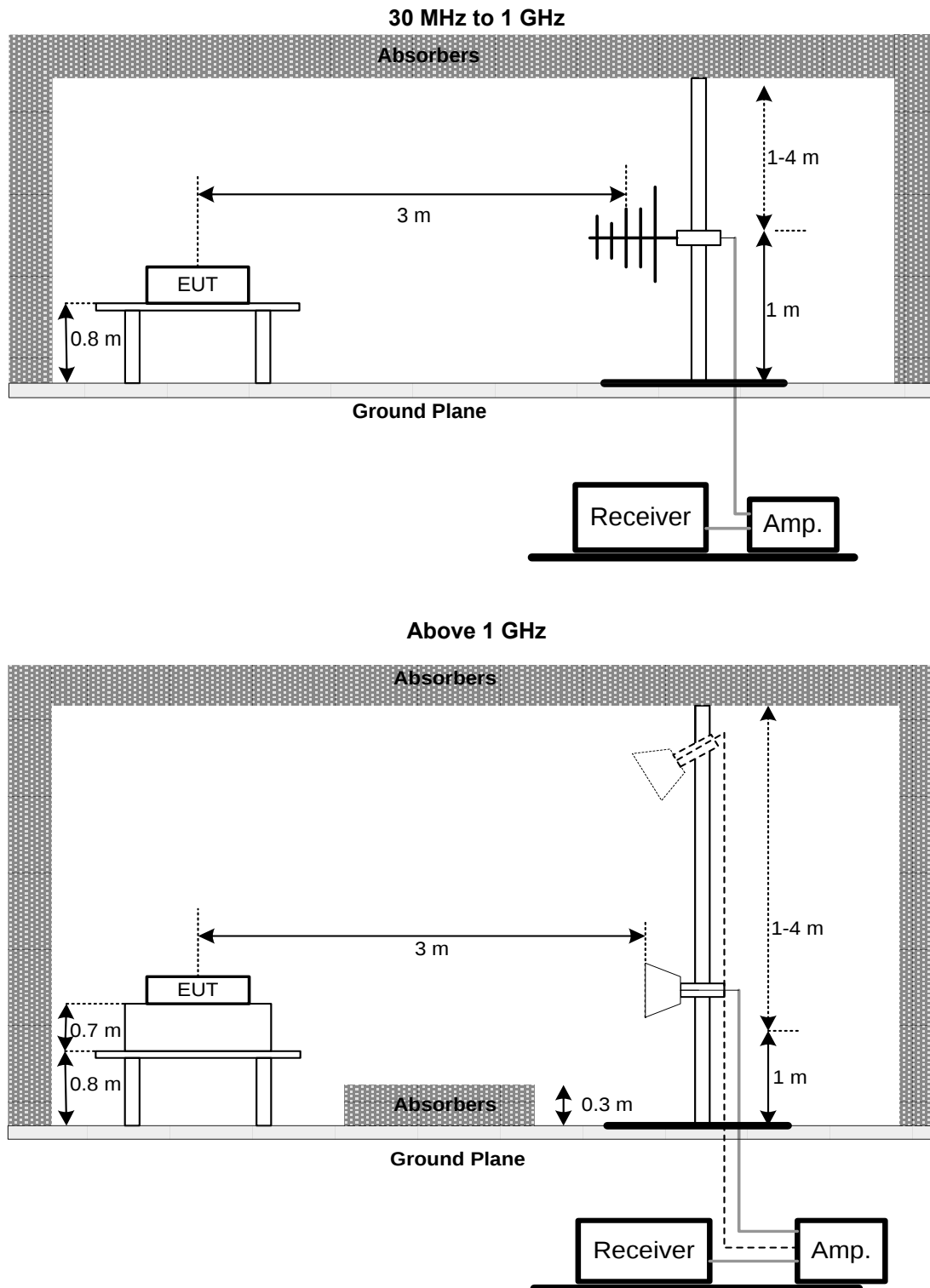
The testing follows FCC KDB 971168 v03r01 Section 6.2.

- f. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- g. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
- h. EIRP = Output power level of S.G - TX cable loss + Antenna gain of substitution horn.
- i. ERP power can be calculated form EIRP power by subtracting the gain of dipole,  
ERP power = EIRP power - 2.15 dBi.
- j. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz / 3 MHz.

### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

## 4.4 TEST SETUP



## 4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

## 4.6 TEST RESULT

Please refer to the APPENDIX B.

## 5 LIST OF MEASURING EQUIPMENTS

| Effective Isotropic Radiated Power |                                  |              |          |            |                 |                  |
|------------------------------------|----------------------------------|--------------|----------|------------|-----------------|------------------|
| Item                               | Kind of Equipment                | Manufacturer | Type No. | Serial No. | Calibrated Date | Calibrated Until |
| 1                                  | WIRELESS COMMUNICATION TEST SET  | Agilent      | E5515C   | GB47390193 | 2023/7/4        | 2024/7/3         |
| 2                                  | Radio Communication Analyzer     | ANRITSU      | MT8820C  | 6201381608 | 2022/12/22      | 2023/12/21       |
| 3                                  | Radio Communication Test Station | ANRITSU      | MT8821C  | 6262044728 | 2023/11/22      | 2024/11/21       |

| Radiated Emissions |                                     |              |                             |             |                 |                  |
|--------------------|-------------------------------------|--------------|-----------------------------|-------------|-----------------|------------------|
| Item               | Kind of Equipment                   | Manufacturer | Type No.                    | Serial No.  | Calibrated Date | Calibrated Until |
| 1                  | Preamplifier                        | EMCI         | EMC330N                     | 980850      | 2023/9/6        | 2024/9/5         |
| 2                  | Preamplifier                        | EMCI         | EMC118A45SE                 | 980819      | 2023/3/7        | 2024/3/6         |
| 3                  | Pre-Amplifier                       | EMCI         | EMC184045SE                 | 980907      | 2023/9/21       | 2024/9/20        |
| 4                  | Test Cable                          | EMCI         | EMC104-SM-1000              | 180809      | 2023/7/10       | 2024/7/9         |
| 5                  | Test Cable                          | EMCI         | EMC104-SM-SM-3000           | 220322      | 2023/3/14       | 2024/3/13        |
| 6                  | Test Cable                          | EMCI         | EMC104-SM-SM-7000           | 220324      | 2023/3/14       | 2024/3/13        |
| 7                  | EXA Signal Analyzer                 | keysight     | N9020B                      | MY57120120  | 2023/2/24       | 2024/2/23        |
| 8                  | Horn Antenna                        | RFSPIN       | DRH18-E                     | 211202A18EN | 2023/5/12       | 2024/5/11        |
| 9                  | Horn Ant                            | Schwarzbeck  | BBHA 9170D                  | 1136        | 2023/5/12       | 2024/5/11        |
| 10                 | Log-bicon Antenna                   | Schwarzbeck  | VULB9168                    | 1369        | 2023/5/9        | 2024/5/8         |
| 11                 | 6dB Attenuator                      | EMCI         | EMCI-N-6-06                 | AT-06001    | 2023/5/9        | 2024/5/8         |
| 12                 | Test Cable                          | EMCI         | EMC101G-KM-KM-3000          | 220329      | 2023/3/14       | 2024/3/13        |
| 13                 | Test Cable                          | EMCI         | EMC102-KM-KM-1000           | 220327      | 2023/3/14       | 2024/3/13        |
| 14                 | WIRELESS COMMUNICATION TEST SET     | Agilent      | E5515C                      | GB47390193  | 2023/7/4        | 2024/7/3         |
| 15                 | Radio Communication Analyzer        | ANRITSU      | MT8820C                     | 6201381608  | 2022/12/22      | 2023/12/21       |
| 16                 | Radio Communication Test Station    | ANRITSU      | MT8821C                     | 6262044728  | 2023/11/22      | 2024/11/21       |
| 17                 | Wideband Radio Communication Tester | R&S          | CMW500                      | 154121      | 2023/1/12       | 2024/1/11        |
| 18                 | Measurement Software                | EZ           | EZ EMC (Version NB-03A1-01) | N/A         | N/A             | N/A              |

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.  
All calibration period of equipment list is one year.

## **6 EUT TEST PHOTO**

Please refer to document Appendix No.: TP-2311T076-FCCP-1 (APPENDIX-TEST PHOTOS).

## **7 EUT PHOTOS**

Please refer to document Appendix No.: EP-2311T076-1 (APPENDIX-EUT PHOTOS).

## **APPENDIX A    EFFECTIVE ISOTROPIC RADIATED POWER**

**WCDMA Band II Power:**

| Band          | Mode   | UL/DL Channel No. | Frequency(MHz) | Average power(dBm) | EIRP power (dBm) | EIRP power (W) |
|---------------|--------|-------------------|----------------|--------------------|------------------|----------------|
| WCDMA Band II | Rel 99 | 9262/9662         | 1852.4         | 22.99              | 20.03            | 0.101          |
|               |        | 9400/9800         | 1880.0         | 22.79              | 19.83            | 0.096          |
|               |        | 9538/9938         | 1907.6         | 22.83              | 19.87            | 0.097          |

| Band     | Sub-test | UL/DL Channel No. | Frequency(MHz) | Average power(dBm) | EIRP power (dBm) | EIRP power (W) |
|----------|----------|-------------------|----------------|--------------------|------------------|----------------|
| HSDPA II | 1        | 9262/9662         | 1852.4         | 22.78              | 19.82            | 0.096          |
|          |          | 9400/9800         | 1880.0         | 22.61              | 19.65            | 0.092          |
|          |          | 9538/9938         | 1907.6         | 22.68              | 19.72            | 0.094          |
|          | 2        | 9262/9662         | 1852.4         | 22.28              | 19.32            | 0.086          |
|          |          | 9400/9800         | 1880.0         | 22.11              | 19.15            | 0.082          |
|          |          | 9538/9938         | 1907.6         | 22.18              | 19.22            | 0.084          |
|          | 3        | 9262/9662         | 1852.4         | 21.78              | 18.82            | 0.076          |
|          |          | 9400/9800         | 1880.0         | 21.61              | 18.65            | 0.073          |
|          |          | 9538/9938         | 1907.6         | 21.68              | 18.72            | 0.074          |
|          | 4        | 9262/9662         | 1852.4         | 21.78              | 18.82            | 0.076          |
|          |          | 9400/9800         | 1880.0         | 21.61              | 18.65            | 0.073          |
|          |          | 9538/9938         | 1907.6         | 21.68              | 18.72            | 0.074          |

| Band     | Sub-test | UL/DL Channel No. | Frequency(MHz) | Average power(dBm) | EIRP power (dBm) | EIRP power (W) |
|----------|----------|-------------------|----------------|--------------------|------------------|----------------|
| HSUPA II | 1        | 9262/9662         | 1852.4         | 22.90              | 19.94            | 0.099          |
|          |          | 9400/9800         | 1880.0         | 22.72              | 19.76            | 0.095          |
|          |          | 9538/9938         | 1907.6         | 22.81              | 19.85            | 0.097          |
|          | 2        | 9262/9662         | 1852.4         | 20.90              | 17.94            | 0.062          |
|          |          | 9400/9800         | 1880.0         | 20.72              | 17.76            | 0.060          |
|          |          | 9538/9938         | 1907.6         | 20.81              | 17.85            | 0.061          |
|          | 3        | 9262/9662         | 1852.4         | 21.90              | 18.94            | 0.078          |
|          |          | 9400/9800         | 1880.0         | 21.72              | 18.76            | 0.075          |
|          |          | 9538/9938         | 1907.6         | 21.81              | 18.85            | 0.077          |
|          | 4        | 9262/9662         | 1852.4         | 20.90              | 17.94            | 0.062          |
|          |          | 9400/9800         | 1880.0         | 20.72              | 17.76            | 0.060          |
|          |          | 9538/9938         | 1907.6         | 20.81              | 17.85            | 0.061          |
|          | 5        | 9262/9662         | 1852.4         | 22.90              | 19.94            | 0.099          |
|          |          | 9400/9800         | 1880.0         | 22.72              | 19.76            | 0.095          |
|          |          | 9538/9938         | 1907.6         | 22.81              | 19.85            | 0.097          |

**NOTE:**

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10) / 1000}$

**LTE Band 2 Power:**

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 2    | 1.4      | 18607   | 1850.7          | QPSK  | 1                | 0            | 0   | 22.94               | 19.98            | 0.100          |
|      |          |         |                 |       | 1                | 2            | 0   | 23.31               | 20.35            | 0.108          |
|      |          |         |                 |       | 1                | 5            | 0   | 22.87               | 19.91            | 0.098          |
|      |          |         |                 |       | 6                | 0            | 1   | 22.19               | 19.23            | 0.084          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.17               | 19.21            | 0.083          |
|      |          |         |                 |       | 1                | 2            | 1   | 22.28               | 19.32            | 0.086          |
|      |          |         |                 |       | 1                | 5            | 1   | 21.93               | 18.97            | 0.079          |
|      |          |         |                 |       | 6                | 0            | 2   | 21.07               | 18.11            | 0.065          |
|      |          | 18900   | 1880.0          | QPSK  | 1                | 0            | 0   | 23.17               | 20.21            | 0.105          |
|      |          |         |                 |       | 1                | 2            | 0   | 23.07               | 20.11            | 0.103          |
|      |          |         |                 |       | 1                | 5            | 0   | 23.08               | 20.12            | 0.103          |
|      |          |         |                 |       | 6                | 0            | 1   | 22.27               | 19.31            | 0.085          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.52               | 19.56            | 0.090          |
|      |          |         |                 |       | 1                | 2            | 1   | 22.34               | 19.38            | 0.087          |
|      |          |         |                 |       | 1                | 5            | 1   | 22.38               | 19.42            | 0.087          |
|      |          |         |                 |       | 6                | 0            | 2   | 21.27               | 18.31            | 0.068          |
|      |          | 19193   | 1909.3          | QPSK  | 1                | 0            | 0   | 23.11               | 20.15            | 0.104          |
|      |          |         |                 |       | 1                | 2            | 0   | 23.14               | 20.18            | 0.104          |
|      |          |         |                 |       | 1                | 5            | 0   | 22.83               | 19.87            | 0.097          |
|      |          |         |                 |       | 6                | 0            | 1   | 22.29               | 19.33            | 0.086          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.41               | 19.45            | 0.088          |
|      |          |         |                 |       | 1                | 2            | 1   | 22.48               | 19.52            | 0.090          |
|      |          |         |                 |       | 1                | 5            | 1   | 22.08               | 19.12            | 0.082          |
|      |          |         |                 |       | 6                | 0            | 2   | 21.32               | 18.36            | 0.069          |

**NOTE:**

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10) / 1000}$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 2    | 3        | 18615   | 1851.5          | QPSK  | 1                | 8            | 0   | 22.98               | 20.02            | 0.100          |
|      |          |         |                 |       | 1                | 14           | 0   | 23.36               | 20.40            | 0.110          |
|      |          |         |                 |       | 1                | 15           | 0   | 22.94               | 19.98            | 0.100          |
|      |          |         |                 |       | 15               | 6            | 1   | 22.23               | 19.27            | 0.085          |
|      |          |         |                 | 16QAM | 1                | 8            | 1   | 22.22               | 19.26            | 0.084          |
|      |          |         |                 |       | 1                | 14           | 1   | 22.34               | 19.38            | 0.087          |
|      |          |         |                 |       | 1                | 15           | 1   | 21.99               | 19.03            | 0.080          |
|      |          |         |                 |       | 15               | 6            | 2   | 21.13               | 18.17            | 0.066          |
|      |          | 18900   | 1880.0          | QPSK  | 1                | 8            | 0   | 23.21               | 20.25            | 0.106          |
|      |          |         |                 |       | 1                | 14           | 0   | 23.12               | 20.16            | 0.104          |
|      |          |         |                 |       | 1                | 15           | 0   | 23.13               | 20.17            | 0.104          |
|      |          |         |                 |       | 15               | 6            | 1   | 22.33               | 19.37            | 0.086          |
|      |          |         |                 | 16QAM | 1                | 8            | 1   | 22.57               | 19.61            | 0.091          |
|      |          |         |                 |       | 1                | 14           | 1   | 22.40               | 19.44            | 0.088          |
|      |          |         |                 |       | 1                | 15           | 1   | 22.44               | 19.48            | 0.089          |
|      |          |         |                 |       | 15               | 6            | 2   | 21.32               | 18.36            | 0.069          |
|      |          | 19185   | 1908.5          | QPSK  | 1                | 8            | 0   | 23.18               | 20.22            | 0.105          |
|      |          |         |                 |       | 1                | 14           | 0   | 23.18               | 20.22            | 0.105          |
|      |          |         |                 |       | 1                | 15           | 0   | 22.90               | 19.94            | 0.099          |
|      |          |         |                 |       | 15               | 6            | 1   | 22.37               | 19.41            | 0.087          |
|      |          |         |                 | 16QAM | 1                | 8            | 1   | 22.47               | 19.51            | 0.089          |
|      |          |         |                 |       | 1                | 14           | 1   | 22.52               | 19.56            | 0.090          |
|      |          |         |                 |       | 1                | 15           | 1   | 22.12               | 19.16            | 0.082          |
|      |          |         |                 |       | 15               | 6            | 2   | 21.38               | 18.42            | 0.070          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10)} / 1000$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 2    | 5        | 18625   | 1852.5          | QPSK  | 1                | 0            | 0   | 23.05               | 20.09            | 0.102          |
|      |          |         |                 |       | 1                | 12           | 0   | 23.42               | 20.46            | 0.111          |
|      |          |         |                 |       | 1                | 24           | 0   | 23.00               | 20.04            | 0.101          |
|      |          |         |                 |       | 25               | 0            | 1   | 22.28               | 19.32            | 0.086          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.29               | 19.33            | 0.086          |
|      |          |         |                 |       | 1                | 12           | 1   | 22.40               | 19.44            | 0.088          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.07               | 19.11            | 0.081          |
|      |          |         |                 |       | 25               | 0            | 2   | 21.20               | 18.24            | 0.067          |
|      |          | 18900   | 1880.0          | QPSK  | 1                | 0            | 0   | 23.27               | 20.31            | 0.107          |
|      |          |         |                 |       | 1                | 12           | 0   | 23.19               | 20.23            | 0.105          |
|      |          |         |                 |       | 1                | 24           | 0   | 23.19               | 20.23            | 0.105          |
|      |          |         |                 |       | 25               | 0            | 1   | 22.37               | 19.41            | 0.087          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.63               | 19.67            | 0.093          |
|      |          |         |                 |       | 1                | 12           | 1   | 22.44               | 19.48            | 0.089          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.50               | 19.54            | 0.090          |
|      |          |         |                 |       | 25               | 0            | 2   | 21.38               | 18.42            | 0.070          |
|      |          | 19175   | 1907.5          | QPSK  | 1                | 0            | 0   | 23.24               | 20.28            | 0.107          |
|      |          |         |                 |       | 1                | 12           | 0   | 23.22               | 20.26            | 0.106          |
|      |          |         |                 |       | 1                | 24           | 0   | 22.97               | 20.01            | 0.100          |
|      |          |         |                 |       | 25               | 0            | 1   | 22.42               | 19.46            | 0.088          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.52               | 19.56            | 0.090          |
|      |          |         |                 |       | 1                | 12           | 1   | 22.58               | 19.62            | 0.092          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.20               | 19.24            | 0.084          |
|      |          |         |                 |       | 25               | 0            | 2   | 21.46               | 18.50            | 0.071          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10)} / 1000$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 2    | 10       | 18650   | 1855.0          | QPSK  | 1                | 0            | 0   | 23.11               | 20.15            | 0.104          |
|      |          |         |                 |       | 1                | 24           | 0   | 23.46               | 20.50            | 0.112          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.06               | 20.10            | 0.102          |
|      |          |         |                 |       | 50               | 0            | 1   | 22.33               | 19.37            | 0.086          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.36               | 19.40            | 0.087          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.45               | 19.49            | 0.089          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.14               | 19.18            | 0.083          |
|      |          |         |                 |       | 50               | 0            | 2   | 21.27               | 18.31            | 0.068          |
|      |          | 18900   | 1880.0          | QPSK  | 1                | 0            | 0   | 23.34               | 20.38            | 0.109          |
|      |          |         |                 |       | 1                | 24           | 0   | 23.24               | 20.28            | 0.107          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.26               | 20.30            | 0.107          |
|      |          |         |                 |       | 50               | 0            | 1   | 22.42               | 19.46            | 0.088          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.69               | 19.73            | 0.094          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.52               | 19.56            | 0.090          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.55               | 19.59            | 0.091          |
|      |          |         |                 |       | 50               | 0            | 2   | 21.42               | 18.46            | 0.070          |
|      |          | 19150   | 1905.0          | QPSK  | 1                | 0            | 0   | 23.31               | 20.35            | 0.108          |
|      |          |         |                 |       | 1                | 24           | 0   | 23.28               | 20.32            | 0.108          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.03               | 20.07            | 0.102          |
|      |          |         |                 |       | 50               | 0            | 1   | 22.47               | 19.51            | 0.089          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.57               | 19.61            | 0.091          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.66               | 19.70            | 0.093          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.25               | 19.29            | 0.085          |
|      |          |         |                 |       | 50               | 0            | 2   | 21.54               | 18.58            | 0.072          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10)} / 1000$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 2    | 15       | 18675   | 1857.5          | QPSK  | 1                | 0            | 0   | 23.15               | 20.19            | 0.104          |
|      |          |         |                 |       | 1                | 38           | 0   | 23.52               | 20.56            | 0.114          |
|      |          |         |                 |       | 1                | 74           | 0   | 23.13               | 20.17            | 0.104          |
|      |          |         |                 |       | 75               | 0            | 1   | 22.38               | 19.42            | 0.087          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.42               | 19.46            | 0.088          |
|      |          |         |                 |       | 1                | 38           | 1   | 22.50               | 19.54            | 0.090          |
|      |          |         |                 |       | 1                | 74           | 1   | 22.22               | 19.26            | 0.084          |
|      |          |         |                 |       | 75               | 0            | 2   | 21.34               | 18.38            | 0.069          |
|      |          | 18900   | 1880.0          | QPSK  | 1                | 0            | 0   | 23.41               | 20.45            | 0.111          |
|      |          |         |                 |       | 1                | 38           | 0   | 23.30               | 20.34            | 0.108          |
|      |          |         |                 |       | 1                | 74           | 0   | 23.33               | 20.37            | 0.109          |
|      |          |         |                 |       | 75               | 0            | 1   | 22.47               | 19.51            | 0.089          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.73               | 19.77            | 0.095          |
|      |          |         |                 |       | 1                | 38           | 1   | 22.59               | 19.63            | 0.092          |
|      |          |         |                 |       | 1                | 74           | 1   | 22.62               | 19.66            | 0.092          |
|      |          |         |                 |       | 100              | 0            | 2   | 21.48               | 18.52            | 0.071          |
|      |          | 19125   | 1902.5          | QPSK  | 1                | 0            | 0   | 23.38               | 20.42            | 0.110          |
|      |          |         |                 |       | 1                | 38           | 0   | 23.33               | 20.37            | 0.109          |
|      |          |         |                 |       | 1                | 74           | 0   | 23.11               | 20.15            | 0.104          |
|      |          |         |                 |       | 75               | 0            | 1   | 22.53               | 19.57            | 0.091          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.63               | 19.67            | 0.093          |
|      |          |         |                 |       | 1                | 38           | 1   | 22.72               | 19.76            | 0.095          |
|      |          |         |                 |       | 1                | 74           | 1   | 22.33               | 19.37            | 0.086          |
|      |          |         |                 |       | 75               | 0            | 2   | 21.60               | 18.64            | 0.073          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10)} / 1000$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 2    | 20       | 18700   | 1860.0          | QPSK  | 1                | 0            | 0   | 23.21               | 20.25            | 0.106          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.59               | 20.63            | 0.116          |
|      |          |         |                 |       | 1                | 99           | 0   | 23.20               | 20.24            | 0.106          |
|      |          |         |                 |       | 100              | 0            | 1   | 22.44               | 19.48            | 0.089          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.47               | 19.51            | 0.089          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.56               | 19.60            | 0.091          |
|      |          |         |                 |       | 1                | 99           | 1   | 22.30               | 19.34            | 0.086          |
|      |          |         |                 |       | 100              | 0            | 2   | 21.39               | 18.43            | 0.070          |
|      |          | 18900   | 1880.0          | QPSK  | 1                | 0            | 0   | 23.45               | 20.49            | 0.112          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.37               | 20.41            | 0.110          |
|      |          |         |                 |       | 1                | 99           | 0   | 23.40               | 20.44            | 0.111          |
|      |          |         |                 |       | 100              | 0            | 1   | 22.53               | 19.57            | 0.091          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.77               | 19.81            | 0.096          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.63               | 19.67            | 0.093          |
|      |          |         |                 |       | 1                | 99           | 1   | 22.70               | 19.74            | 0.094          |
|      |          |         |                 |       | 100              | 0            | 2   | 21.54               | 18.58            | 0.072          |
|      |          | 19100   | 1900.0          | QPSK  | 1                | 0            | 0   | 23.45               | 20.49            | 0.112          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.40               | 20.44            | 0.111          |
|      |          |         |                 |       | 1                | 99           | 0   | 23.15               | 20.19            | 0.104          |
|      |          |         |                 |       | 100              | 0            | 1   | 22.61               | 19.65            | 0.092          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.68               | 19.72            | 0.094          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.77               | 19.81            | 0.096          |
|      |          |         |                 |       | 1                | 99           | 1   | 22.38               | 19.42            | 0.087          |
|      |          |         |                 |       | 100              | 0            | 2   | 21.65               | 18.69            | 0.074          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10)} / 1000$

**LTE Band 25 Power:**

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 25   | 1.4      | 26047   | 1850.7          | QPSK  | 1                | 0            | 0   | 23.00               | 20.12            | 0.103          |
|      |          |         |                 |       | 1                | 2            | 0   | 23.07               | 20.19            | 0.104          |
|      |          |         |                 |       | 1                | 5            | 0   | 22.96               | 20.08            | 0.102          |
|      |          |         |                 |       | 6                | 0            | 1   | 22.22               | 19.34            | 0.086          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.28               | 19.40            | 0.087          |
|      |          |         |                 |       | 1                | 2            | 1   | 22.36               | 19.48            | 0.089          |
|      |          |         |                 |       | 1                | 5            | 1   | 22.23               | 19.35            | 0.086          |
|      |          |         |                 |       | 6                | 0            | 2   | 21.18               | 18.30            | 0.068          |
|      |          | 26365   | 1882.5          | QPSK  | 1                | 0            | 0   | 22.75               | 19.87            | 0.097          |
|      |          |         |                 |       | 1                | 2            | 0   | 22.71               | 19.83            | 0.096          |
|      |          |         |                 |       | 1                | 5            | 0   | 22.67               | 19.79            | 0.095          |
|      |          |         |                 |       | 6                | 0            | 1   | 22.18               | 19.30            | 0.085          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 21.10               | 18.22            | 0.066          |
|      |          |         |                 |       | 1                | 2            | 1   | 22.38               | 19.50            | 0.089          |
|      |          |         |                 |       | 1                | 5            | 1   | 22.23               | 19.35            | 0.086          |
|      |          |         |                 |       | 6                | 0            | 2   | 20.76               | 17.88            | 0.061          |
|      |          | 26683   | 1914.3          | QPSK  | 1                | 0            | 0   | 23.15               | 20.27            | 0.106          |
|      |          |         |                 |       | 1                | 2            | 0   | 23.24               | 20.36            | 0.109          |
|      |          |         |                 |       | 1                | 5            | 0   | 22.55               | 19.67            | 0.093          |
|      |          |         |                 |       | 6                | 0            | 1   | 22.33               | 19.45            | 0.088          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.53               | 19.65            | 0.092          |
|      |          |         |                 |       | 1                | 2            | 1   | 22.48               | 19.60            | 0.091          |
|      |          |         |                 |       | 1                | 5            | 1   | 21.85               | 18.97            | 0.079          |
|      |          |         |                 |       | 6                | 0            | 2   | 21.40               | 18.52            | 0.071          |

**NOTE:**

- (1) EIRP = Average power + Antenna gain.
- (2) ERP = EIRP - 2.15.
- (3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10) / 1000}$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 25   | 3        | 26055   | 1851.5          | QPSK  | 1                | 8            | 0   | 23.04               | 20.16            | 0.104          |
|      |          |         |                 |       | 1                | 14           | 0   | 23.12               | 20.24            | 0.106          |
|      |          |         |                 |       | 1                | 15           | 0   | 23.03               | 20.15            | 0.104          |
|      |          |         |                 |       | 15               | 6            | 1   | 22.26               | 19.38            | 0.087          |
|      |          |         |                 | 16QAM | 1                | 8            | 1   | 22.33               | 19.45            | 0.088          |
|      |          |         |                 |       | 1                | 14           | 1   | 22.42               | 19.54            | 0.090          |
|      |          |         |                 |       | 1                | 15           | 1   | 22.29               | 19.41            | 0.087          |
|      |          |         |                 |       | 15               | 6            | 2   | 21.24               | 18.36            | 0.069          |
|      |          | 26365   | 1882.5          | QPSK  | 1                | 8            | 0   | 22.79               | 19.91            | 0.098          |
|      |          |         |                 |       | 1                | 14           | 0   | 22.76               | 19.88            | 0.097          |
|      |          |         |                 |       | 1                | 15           | 0   | 22.72               | 19.84            | 0.096          |
|      |          |         |                 |       | 15               | 6            | 1   | 22.24               | 19.36            | 0.086          |
|      |          |         |                 | 16QAM | 1                | 8            | 1   | 21.15               | 18.27            | 0.067          |
|      |          |         |                 |       | 1                | 14           | 1   | 22.44               | 19.56            | 0.090          |
|      |          |         |                 |       | 1                | 15           | 1   | 22.29               | 19.41            | 0.087          |
|      |          |         |                 |       | 15               | 6            | 2   | 20.81               | 17.93            | 0.062          |
|      |          | 26675   | 1913.5          | QPSK  | 1                | 8            | 0   | 23.22               | 20.34            | 0.108          |
|      |          |         |                 |       | 1                | 14           | 0   | 23.28               | 20.40            | 0.110          |
|      |          |         |                 |       | 1                | 15           | 0   | 22.62               | 19.74            | 0.094          |
|      |          |         |                 |       | 15               | 6            | 1   | 22.41               | 19.53            | 0.090          |
|      |          |         |                 | 16QAM | 1                | 8            | 1   | 22.59               | 19.71            | 0.094          |
|      |          |         |                 |       | 1                | 14           | 1   | 22.52               | 19.64            | 0.092          |
|      |          |         |                 |       | 1                | 15           | 1   | 21.89               | 19.01            | 0.080          |
|      |          |         |                 |       | 15               | 6            | 2   | 21.46               | 18.58            | 0.072          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10)} / 1000$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 25   | 5        | 26065   | 1852.5          | QPSK  | 1                | 0            | 0   | 23.11               | 20.23            | 0.105          |
|      |          |         |                 |       | 1                | 12           | 0   | 23.18               | 20.30            | 0.107          |
|      |          |         |                 |       | 1                | 24           | 0   | 23.09               | 20.21            | 0.105          |
|      |          |         |                 |       | 25               | 0            | 1   | 22.31               | 19.43            | 0.088          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.40               | 19.52            | 0.090          |
|      |          |         |                 |       | 1                | 12           | 1   | 22.48               | 19.60            | 0.091          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.37               | 19.49            | 0.089          |
|      |          |         |                 |       | 25               | 0            | 2   | 21.31               | 18.43            | 0.070          |
|      |          | 26365   | 1882.5          | QPSK  | 1                | 0            | 0   | 22.85               | 19.97            | 0.099          |
|      |          |         |                 |       | 1                | 12           | 0   | 22.83               | 19.95            | 0.099          |
|      |          |         |                 |       | 1                | 24           | 0   | 22.78               | 19.90            | 0.098          |
|      |          |         |                 |       | 25               | 0            | 1   | 22.28               | 19.40            | 0.087          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 21.21               | 18.33            | 0.068          |
|      |          |         |                 |       | 1                | 12           | 1   | 22.48               | 19.60            | 0.091          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.35               | 19.47            | 0.089          |
|      |          |         |                 |       | 25               | 0            | 2   | 20.87               | 17.99            | 0.063          |
|      |          | 26665   | 1912.5          | QPSK  | 1                | 0            | 0   | 23.28               | 20.40            | 0.110          |
|      |          |         |                 |       | 1                | 12           | 0   | 23.32               | 20.44            | 0.111          |
|      |          |         |                 |       | 1                | 24           | 0   | 22.69               | 19.81            | 0.096          |
|      |          |         |                 |       | 25               | 0            | 1   | 22.46               | 19.58            | 0.091          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.64               | 19.76            | 0.095          |
|      |          |         |                 |       | 1                | 12           | 1   | 22.58               | 19.70            | 0.093          |
|      |          |         |                 |       | 1                | 24           | 1   | 21.97               | 19.09            | 0.081          |
|      |          |         |                 |       | 25               | 0            | 2   | 21.54               | 18.66            | 0.073          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10)} / 1000$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 25   | 10       | 26090   | 1855.0          | QPSK  | 1                | 0            | 0   | 23.17               | 20.29            | 0.107          |
|      |          |         |                 |       | 1                | 24           | 0   | 23.22               | 20.34            | 0.108          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.15               | 20.27            | 0.106          |
|      |          |         |                 |       | 50               | 0            | 1   | 22.36               | 19.48            | 0.089          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.47               | 19.59            | 0.091          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.53               | 19.65            | 0.092          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.44               | 19.56            | 0.090          |
|      |          |         |                 |       | 50               | 0            | 2   | 21.38               | 18.50            | 0.071          |
|      |          | 26365   | 1882.5          | QPSK  | 1                | 0            | 0   | 22.92               | 20.04            | 0.101          |
|      |          |         |                 |       | 1                | 24           | 0   | 22.88               | 20.00            | 0.100          |
|      |          |         |                 |       | 1                | 49           | 0   | 22.85               | 19.97            | 0.099          |
|      |          |         |                 |       | 50               | 0            | 1   | 22.33               | 19.45            | 0.088          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 21.27               | 18.39            | 0.069          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.56               | 19.68            | 0.093          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.40               | 19.52            | 0.090          |
|      |          |         |                 |       | 50               | 0            | 2   | 20.91               | 18.03            | 0.064          |
|      |          | 26640   | 1910.0          | QPSK  | 1                | 0            | 0   | 23.35               | 20.47            | 0.111          |
|      |          |         |                 |       | 1                | 24           | 0   | 23.38               | 20.50            | 0.112          |
|      |          |         |                 |       | 1                | 49           | 0   | 22.75               | 19.87            | 0.097          |
|      |          |         |                 |       | 50               | 0            | 1   | 22.51               | 19.63            | 0.092          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.69               | 19.81            | 0.096          |
|      |          |         |                 |       | 1                | 24           | 1   | 22.66               | 19.78            | 0.095          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.02               | 19.14            | 0.082          |
|      |          |         |                 |       | 50               | 0            | 2   | 21.62               | 18.74            | 0.075          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10)} / 1000$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 25   | 15       | 26115   | 1857.5          | QPSK  | 1                | 0            | 0   | 23.21               | 20.33            | 0.108          |
|      |          |         |                 |       | 1                | 38           | 0   | 23.28               | 20.40            | 0.110          |
|      |          |         |                 |       | 1                | 74           | 0   | 23.22               | 20.34            | 0.108          |
|      |          |         |                 |       | 75               | 0            | 1   | 22.41               | 19.53            | 0.090          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.53               | 19.65            | 0.092          |
|      |          |         |                 |       | 1                | 38           | 1   | 22.58               | 19.70            | 0.093          |
|      |          |         |                 |       | 1                | 74           | 1   | 22.52               | 19.64            | 0.092          |
|      |          |         |                 |       | 75               | 0            | 2   | 21.45               | 18.57            | 0.072          |
|      |          | 26365   | 1882.5          | QPSK  | 1                | 0            | 0   | 22.99               | 20.11            | 0.103          |
|      |          |         |                 |       | 1                | 38           | 0   | 22.94               | 20.06            | 0.101          |
|      |          |         |                 |       | 1                | 74           | 0   | 22.92               | 20.04            | 0.101          |
|      |          |         |                 |       | 75               | 0            | 1   | 22.38               | 19.50            | 0.089          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 21.31               | 18.43            | 0.070          |
|      |          |         |                 |       | 1                | 38           | 1   | 22.63               | 19.75            | 0.094          |
|      |          |         |                 |       | 1                | 74           | 1   | 22.47               | 19.59            | 0.091          |
|      |          |         |                 |       | 100              | 0            | 2   | 20.97               | 18.09            | 0.064          |
|      |          | 26615   | 1907.5          | QPSK  | 1                | 0            | 0   | 23.42               | 20.54            | 0.113          |
|      |          |         |                 |       | 1                | 38           | 0   | 23.43               | 20.55            | 0.114          |
|      |          |         |                 |       | 1                | 74           | 0   | 22.83               | 19.95            | 0.099          |
|      |          |         |                 |       | 75               | 0            | 1   | 22.57               | 19.69            | 0.093          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.75               | 19.87            | 0.097          |
|      |          |         |                 |       | 1                | 38           | 1   | 22.72               | 19.84            | 0.096          |
|      |          |         |                 |       | 1                | 74           | 1   | 22.10               | 19.22            | 0.084          |
|      |          |         |                 |       | 75               | 0            | 2   | 21.68               | 18.80            | 0.076          |

NOTE:

(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 W \cdot 10^{(P(dBm) / 10)} / 1000$

| Band | BW (MHz) | Channel | Frequency (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | EIRP power (dBm) | EIRP power (W) |
|------|----------|---------|-----------------|-------|------------------|--------------|-----|---------------------|------------------|----------------|
| 25   | 20       | 26140   | 1860.0          | QPSK  | 1                | 0            | 0   | 23.27               | 20.39            | 0.109          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.35               | 20.47            | 0.111          |
|      |          |         |                 |       | 1                | 99           | 0   | 23.29               | 20.41            | 0.110          |
|      |          |         |                 |       | 100              | 0            | 1   | 22.47               | 19.59            | 0.091          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.58               | 19.70            | 0.093          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.64               | 19.76            | 0.095          |
|      |          |         |                 |       | 1                | 99           | 1   | 22.60               | 19.72            | 0.094          |
|      |          |         |                 |       | 100              | 0            | 2   | 21.50               | 18.62            | 0.073          |
|      |          | 26365   | 1882.5          | QPSK  | 1                | 0            | 0   | 23.03               | 20.15            | 0.104          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.01               | 20.13            | 0.103          |
|      |          |         |                 |       | 1                | 99           | 0   | 22.99               | 20.11            | 0.103          |
|      |          |         |                 |       | 100              | 0            | 1   | 22.44               | 19.56            | 0.090          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.50               | 19.62            | 0.092          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.67               | 19.79            | 0.095          |
|      |          |         |                 |       | 1                | 99           | 1   | 22.55               | 19.67            | 0.093          |
|      |          |         |                 |       | 100              | 0            | 2   | 21.03               | 18.15            | 0.065          |
|      |          | 26590   | 1905.0          | QPSK  | 1                | 0            | 0   | 23.49               | 20.61            | 0.115          |
|      |          |         |                 |       | 1                | 49           | 0   | 23.50               | 20.62            | 0.115          |
|      |          |         |                 |       | 1                | 99           | 0   | 22.87               | 19.99            | 0.100          |
|      |          |         |                 |       | 100              | 0            | 1   | 22.65               | 19.77            | 0.095          |
|      |          |         |                 | 16QAM | 1                | 0            | 1   | 22.80               | 19.92            | 0.098          |
|      |          |         |                 |       | 1                | 49           | 1   | 22.77               | 19.89            | 0.097          |
|      |          |         |                 |       | 1                | 99           | 1   | 22.15               | 19.27            | 0.085          |
|      |          |         |                 |       | 100              | 0            | 2   | 21.73               | 18.85            | 0.077          |

NOTE:

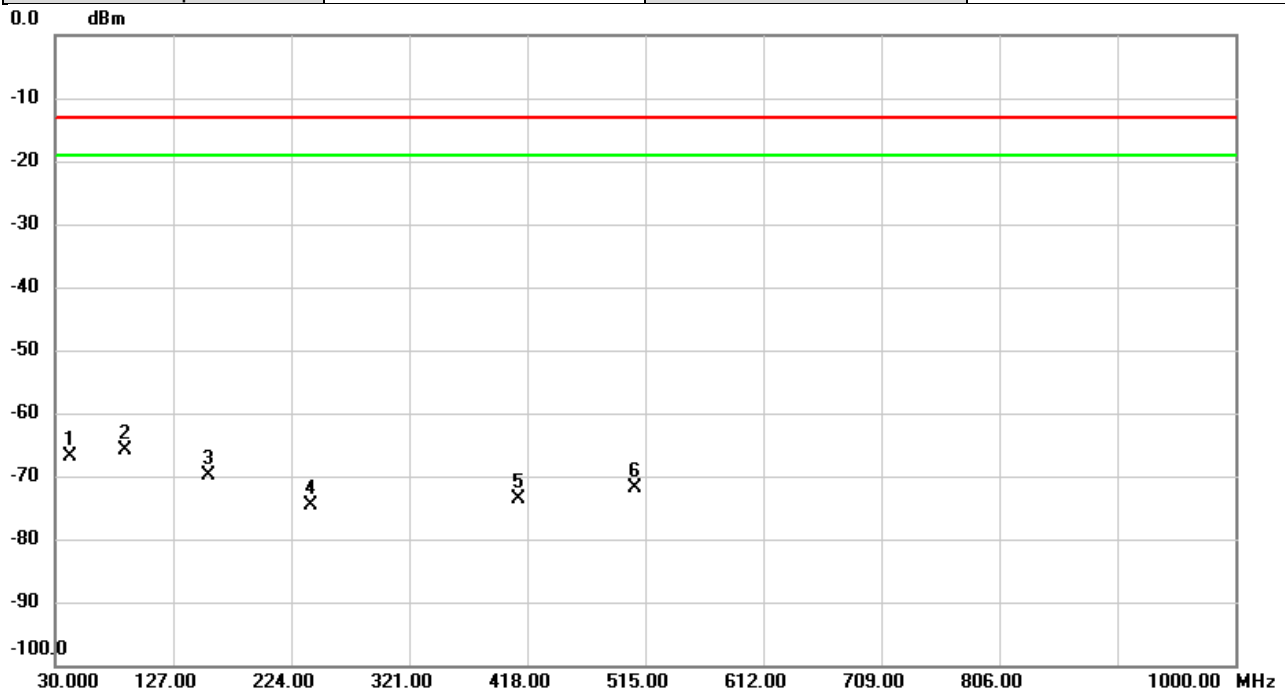
(1) EIRP = Average power + Antenna gain.

(2) ERP = EIRP - 2.15.

(3)  $P(W) = 1 \text{ W} \cdot 10^{(P(\text{dBm}) / 10)} / 1000$

## **APPENDIX B    RADIATED SPURIOUS EMISSIONS**

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/29 |
| Test Channel | CH9538        | Polarization | Vertical   |
| Temp         | 23°C          | Hum.         | 56%        |

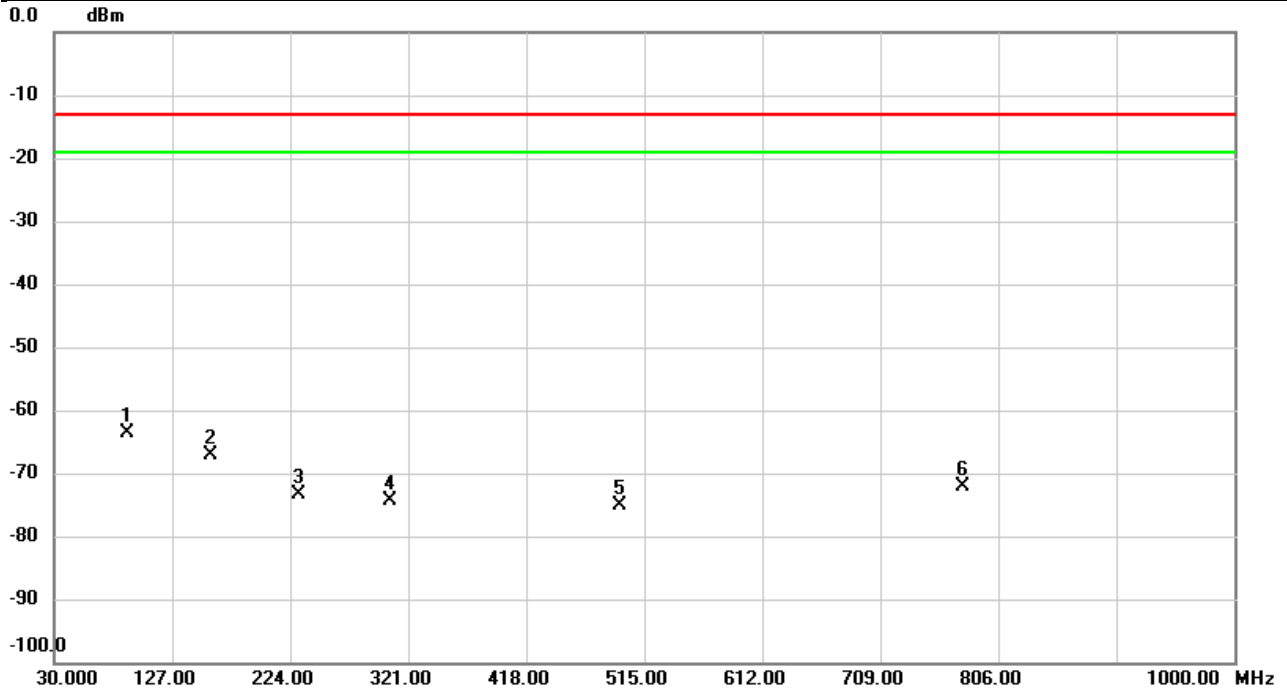


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     |          |         |
| 1   |     | 42.7070  | -58.32        | -8.46          | -66.78       | -13.00 | -53.78 | peak     |         |
| 2   | *   | 87.5857  | -60.17        | -5.69          | -65.86       | -13.00 | -52.86 | peak     |         |
| 3   |     | 156.3263 | -67.45        | -2.36          | -69.81       | -13.00 | -56.81 | peak     |         |
| 4   |     | 240.4900 | -72.37        | -2.37          | -74.74       | -13.00 | -61.74 | peak     |         |
| 5   |     | 410.6280 | -71.60        | -2.06          | -73.66       | -13.00 | -60.66 | peak     |         |
| 6   |     | 506.1730 | -72.28        | 0.34           | -71.94       | -13.00 | -58.94 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/29 |
| Test Channel | CH9538        | Polarization | Horizontal |
| Temp         | 23°C          | Hum.         | 56%        |

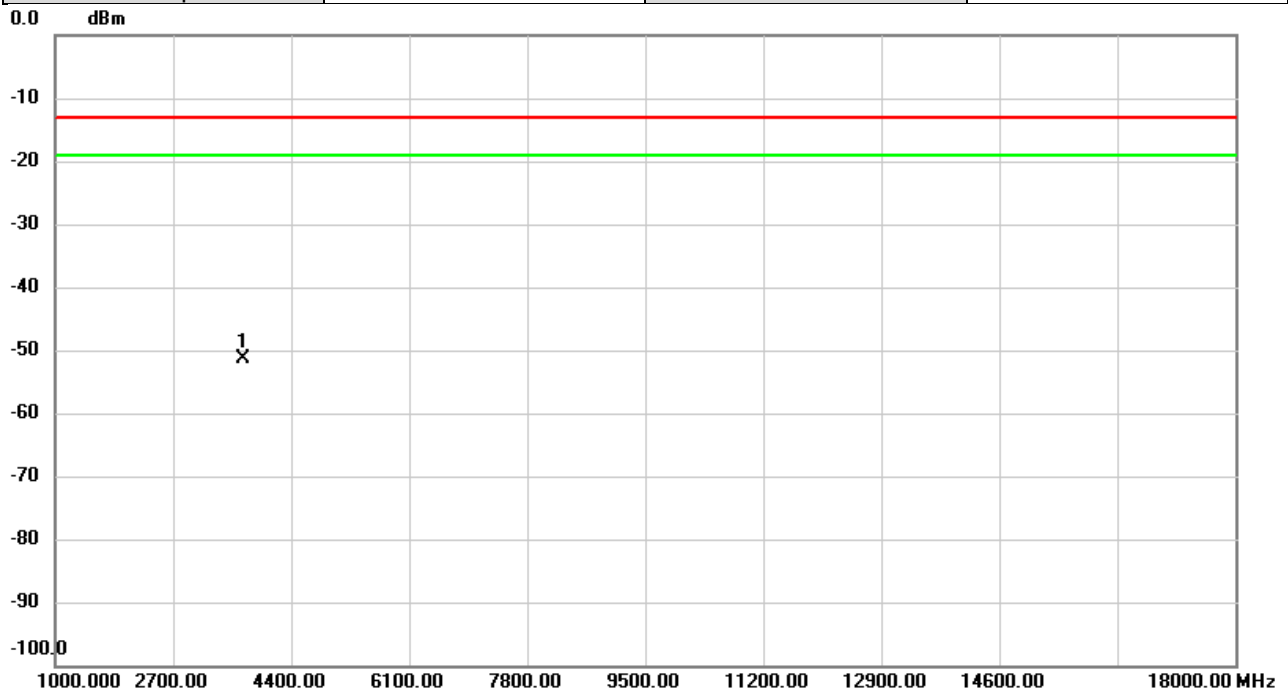


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     |          |         |
| 1   | *   | 89.7520  | -55.31        | -8.33          | -63.64       | -13.00 | -50.64 | peak     |         |
| 2   |     | 158.2017 | -61.10        | -5.98          | -67.08       | -13.00 | -54.08 | peak     |         |
| 3   |     | 231.5660 | -65.42        | -7.92          | -73.34       | -13.00 | -60.34 | peak     |         |
| 4   |     | 306.5470 | -68.62        | -5.65          | -74.27       | -13.00 | -61.27 | peak     |         |
| 5   |     | 495.3090 | -73.58        | -1.60          | -75.18       | -13.00 | -62.18 | peak     |         |
| 6   |     | 776.8677 | -75.91        | 3.67           | -72.24       | -13.00 | -59.24 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/29 |
| Test Channel | CH9262        | Polarization | Vertical   |
| Temp         | 23°C          | Hum.         | 56%        |

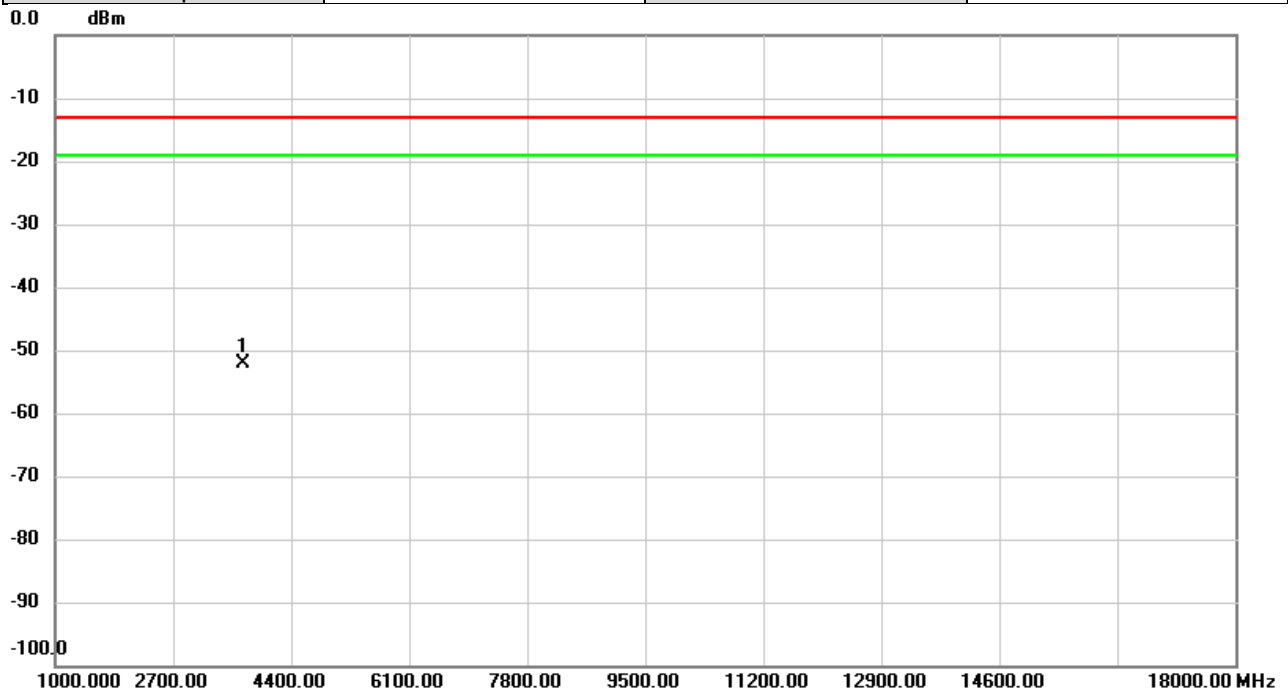


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 3704.800 | -63.08        | 11.59          | -51.49      | -13.00 | -38.49 | peak     |         |

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/29 |
| Test Channel | CH9262        | Polarization | Horizontal |
| Temp         | 23°C          | Hum.         | 56%        |

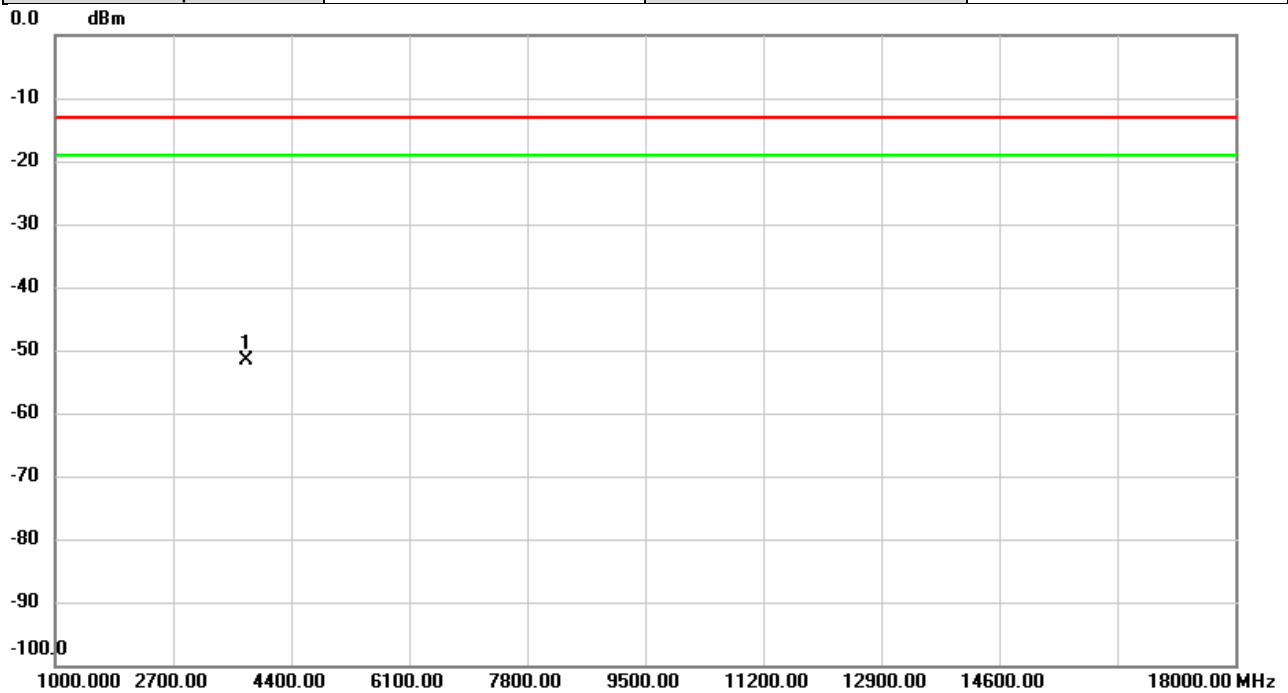


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 3704.800 | -63.36        | 11.22          | -52.14      | -13.00 | -39.14 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/29 |
| Test Channel | CH9400        | Polarization | Vertical   |
| Temp         | 23°C          | Hum.         | 56%        |

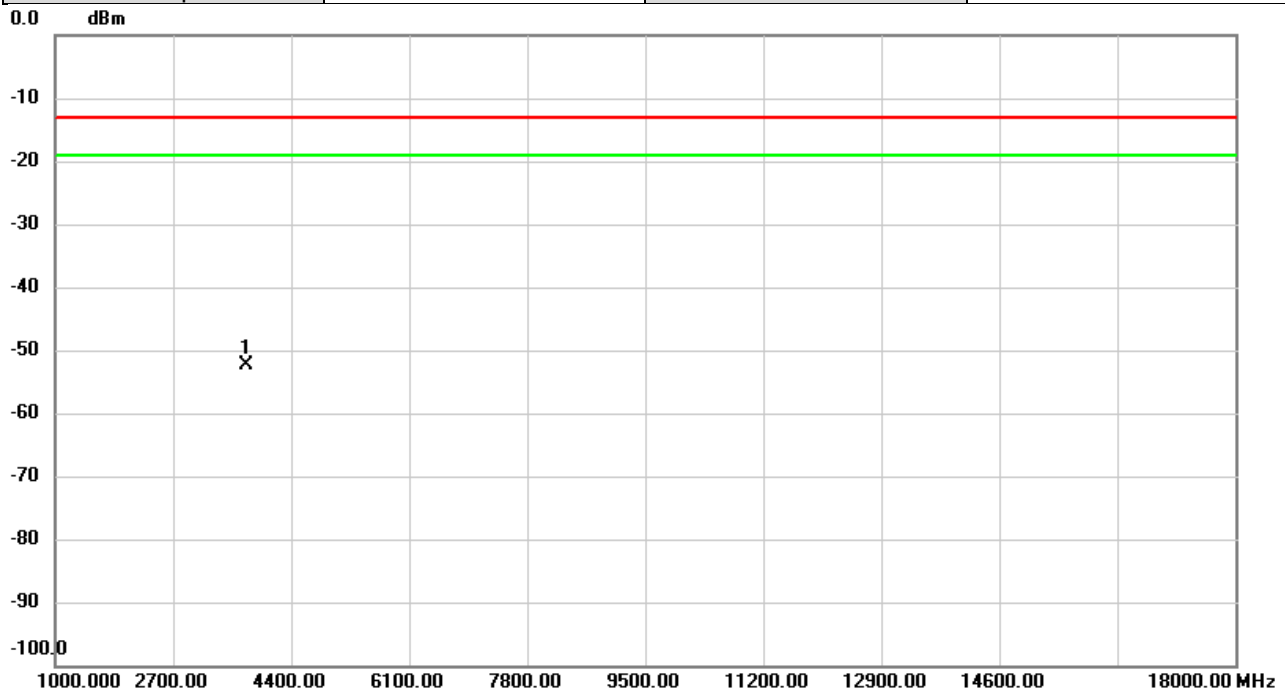


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 3760.000 | -63.03        | 11.44          | -51.59      | -13.00 | -38.59 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/29 |
| Test Channel | CH9400        | Polarization | Horizontal |
| Temp         | 23°C          | Hum.         | 56%        |

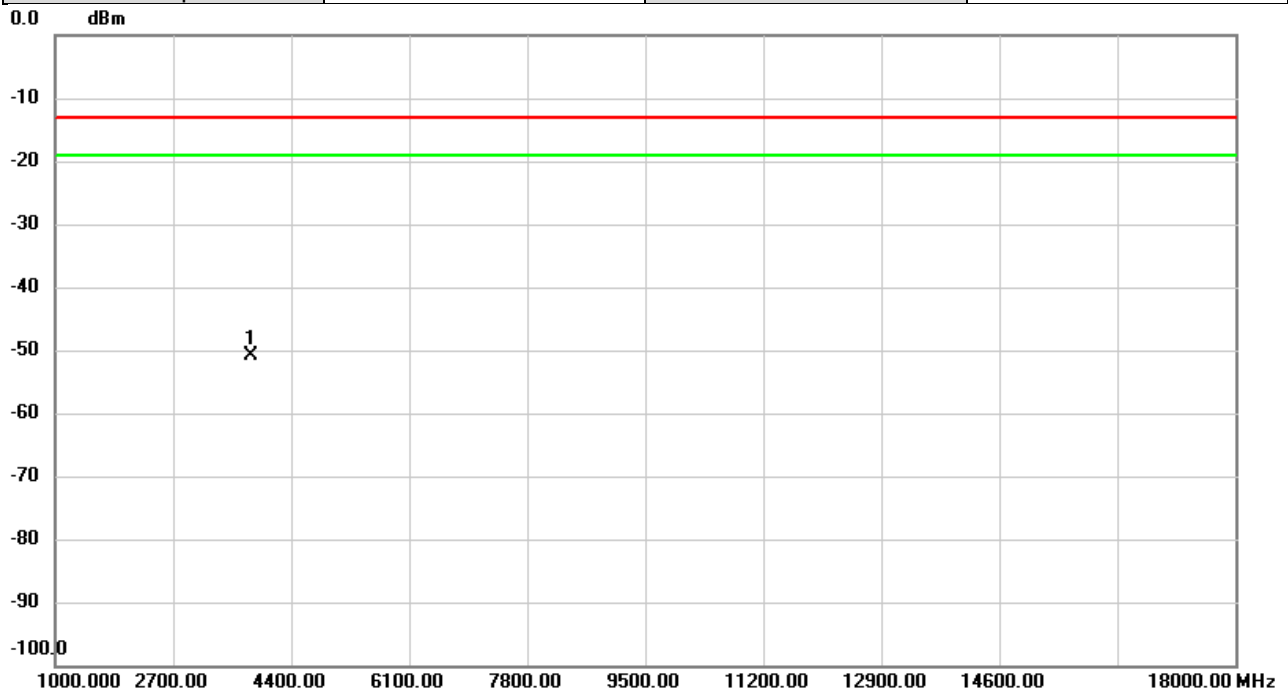


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 3760.000 | -63.79        | 11.31          | -52.48      | -13.00 | -39.48 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/29 |
| Test Channel | CH9538        | Polarization | Vertical   |
| Temp         | 23°C          | Hum.         | 56%        |

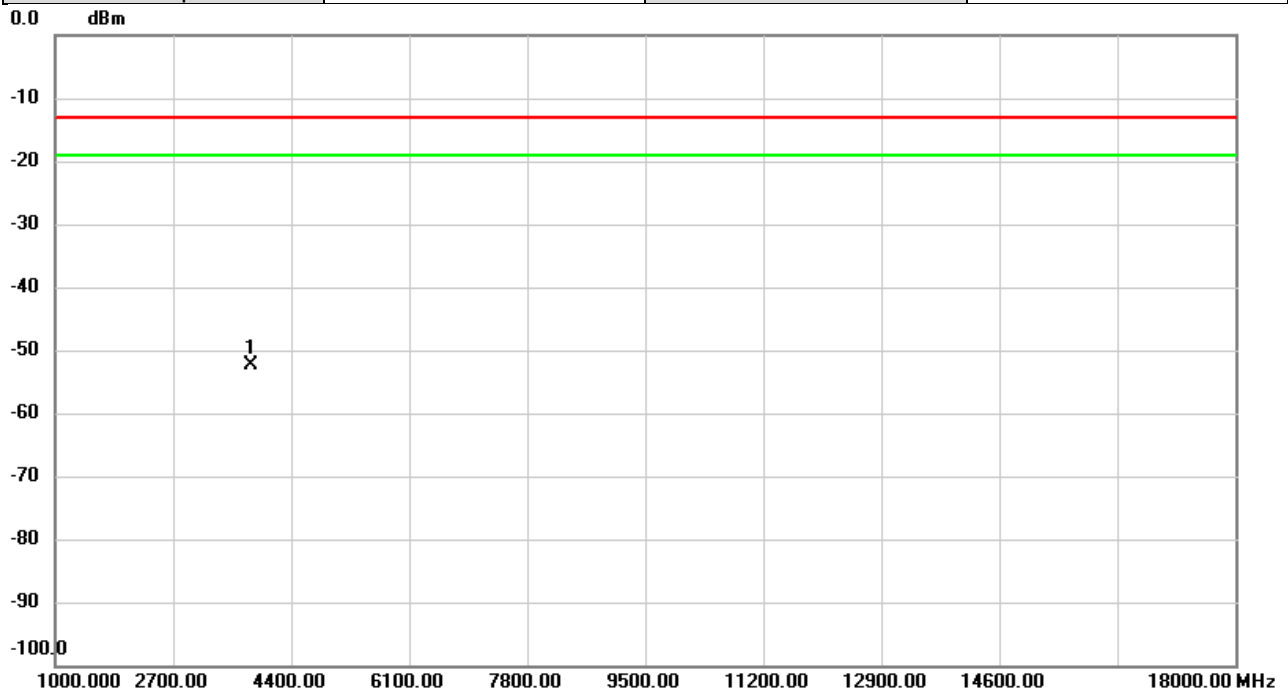


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 3814.000 | -62.41        | 11.66          | -50.75      | -13.00 | -37.75 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/29 |
| Test Channel | CH9538        | Polarization | Horizontal |
| Temp         | 23°C          | Hum.         | 56%        |

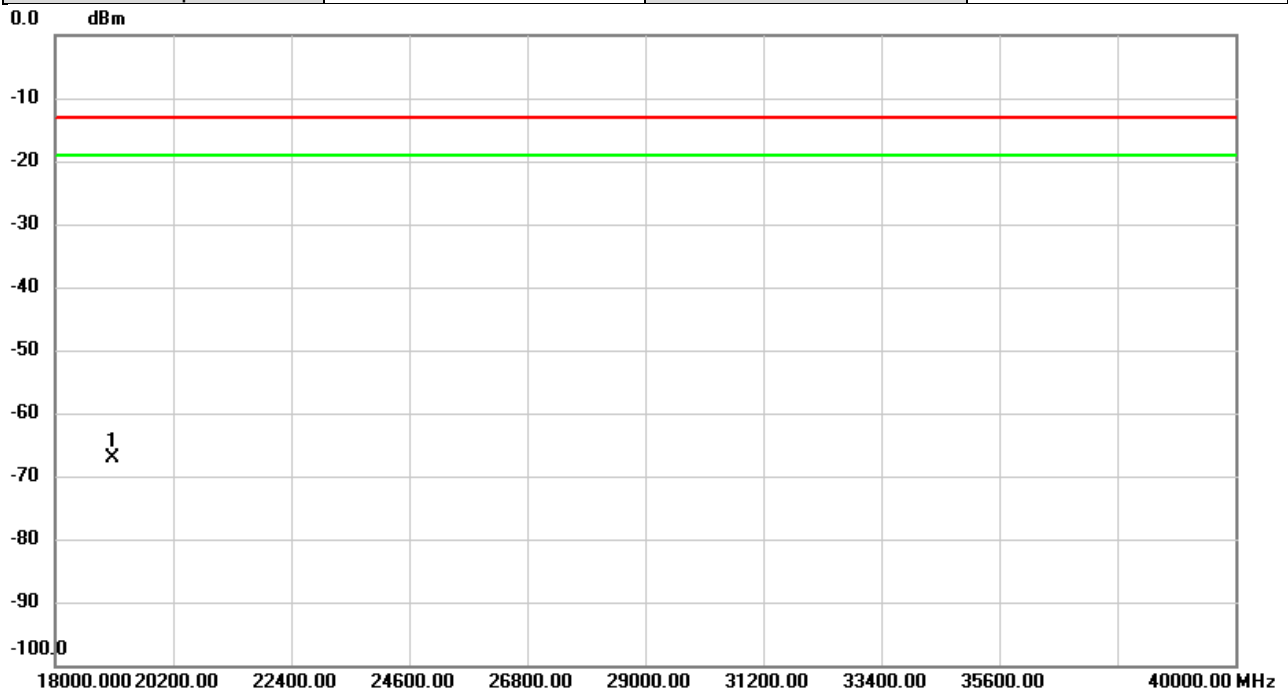


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     |          |         |
| 1   | *   | 3814.000 | -64.00        | 11.71          | -52.29       | -13.00 | -39.29 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/30 |
| Test Channel | CH9538        | Polarization | Vertical   |
| Temp         | 22°C          | Hum.         | 59%        |

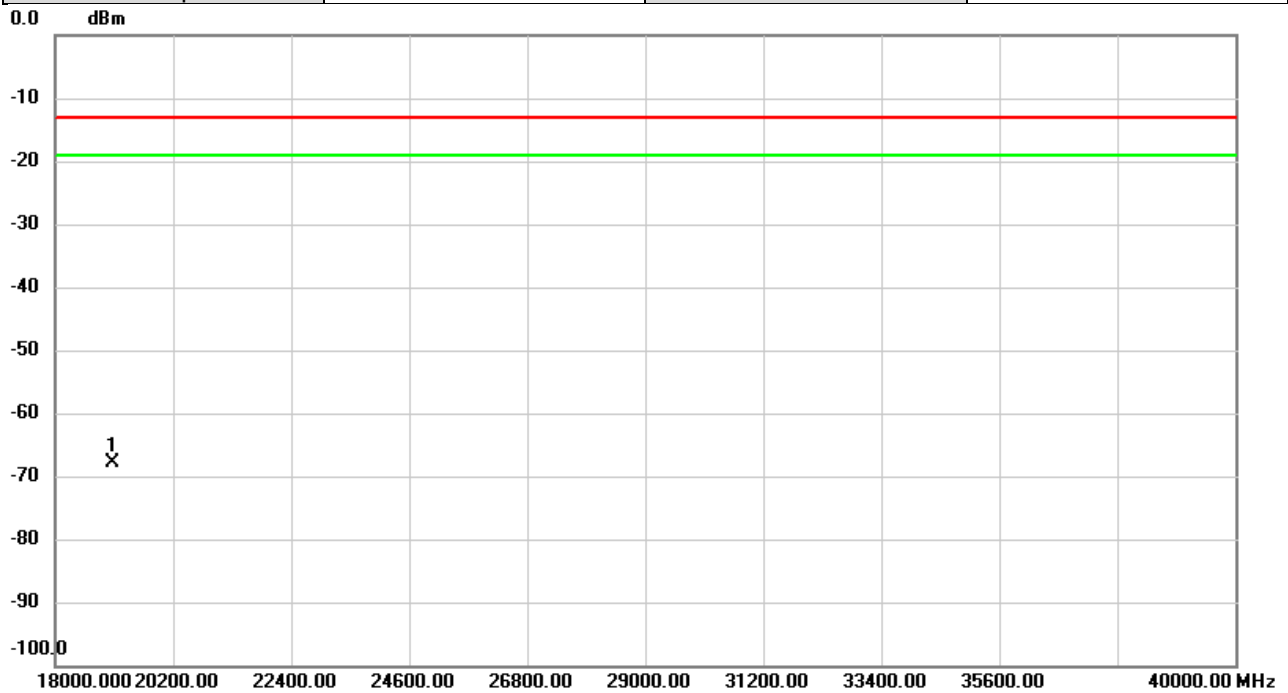


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 19070.00 | -60.02        | -7.01          | -67.03      | -13.00 | -54.03 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |               |              |            |
|--------------|---------------|--------------|------------|
| Test Mode    | WCDMA Band II | Test Date    | 2023/11/30 |
| Test Channel | CH9538        | Polarization | Horizontal |
| Temp         | 22°C          | Hum.         | 59%        |

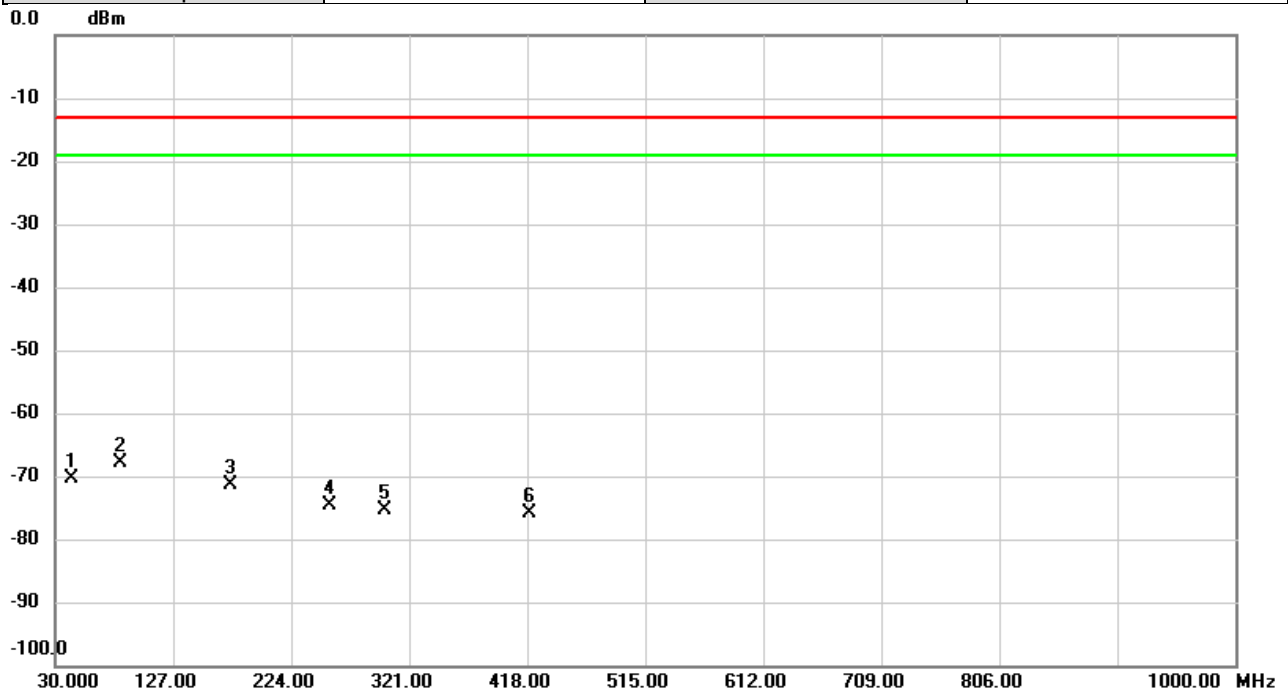


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 19070.00 | -60.96        | -7.01          | -67.97      | -13.00 | -54.97 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/29 |
| Test Channel | CH19100    | Polarization | Vertical   |
| Temp         | 23°C       | Hum.         | 56%        |

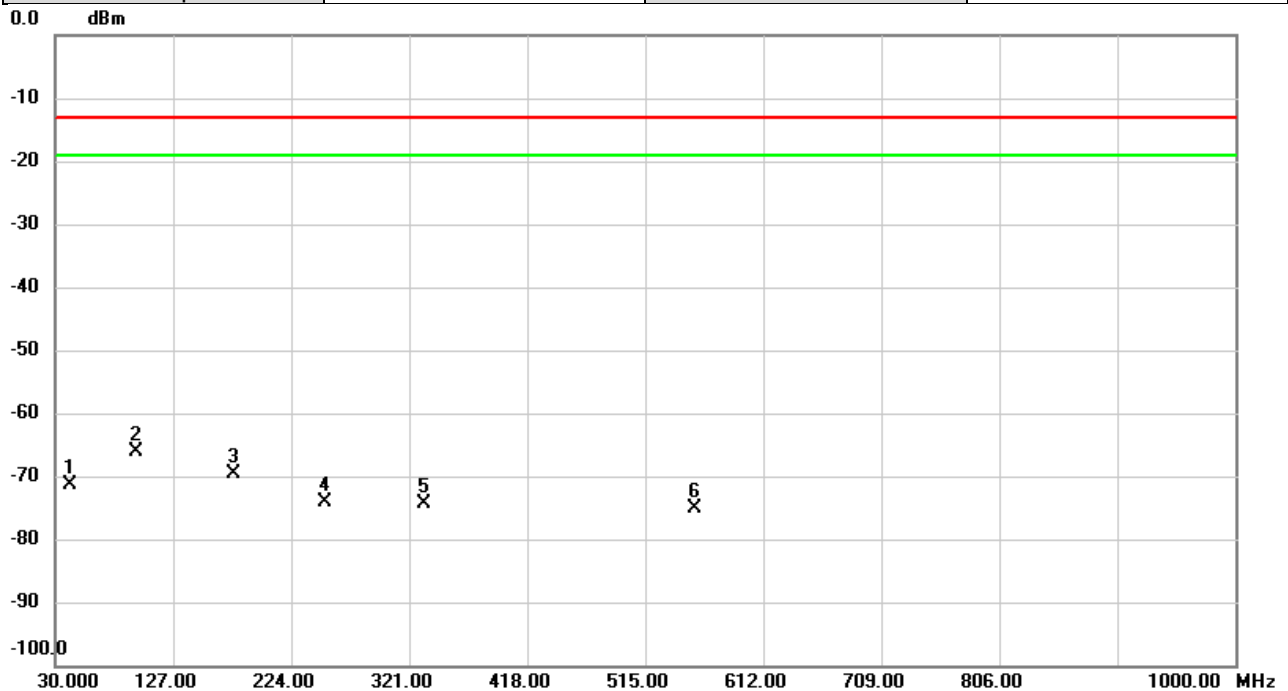


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     |          |         |
| 1   |     | 43.0627  | -61.91        | -8.47          | -70.38       | -13.00 | -57.38 | peak     |         |
| 2   | *   | 84.1583  | -62.10        | -5.86          | -67.96       | -13.00 | -54.96 | peak     |         |
| 3   |     | 173.9803 | -69.07        | -2.20          | -71.27       | -13.00 | -58.27 | peak     |         |
| 4   |     | 255.6867 | -71.51        | -3.01          | -74.52       | -13.00 | -61.52 | peak     |         |
| 5   |     | 301.1797 | -72.02        | -3.29          | -75.31       | -13.00 | -62.31 | peak     |         |
| 6   |     | 419.7460 | -74.06        | -1.90          | -75.96       | -13.00 | -62.96 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/29 |
| Test Channel | CH19100    | Polarization | Horizontal |
| Temp         | 23°C       | Hum.         | 56%        |

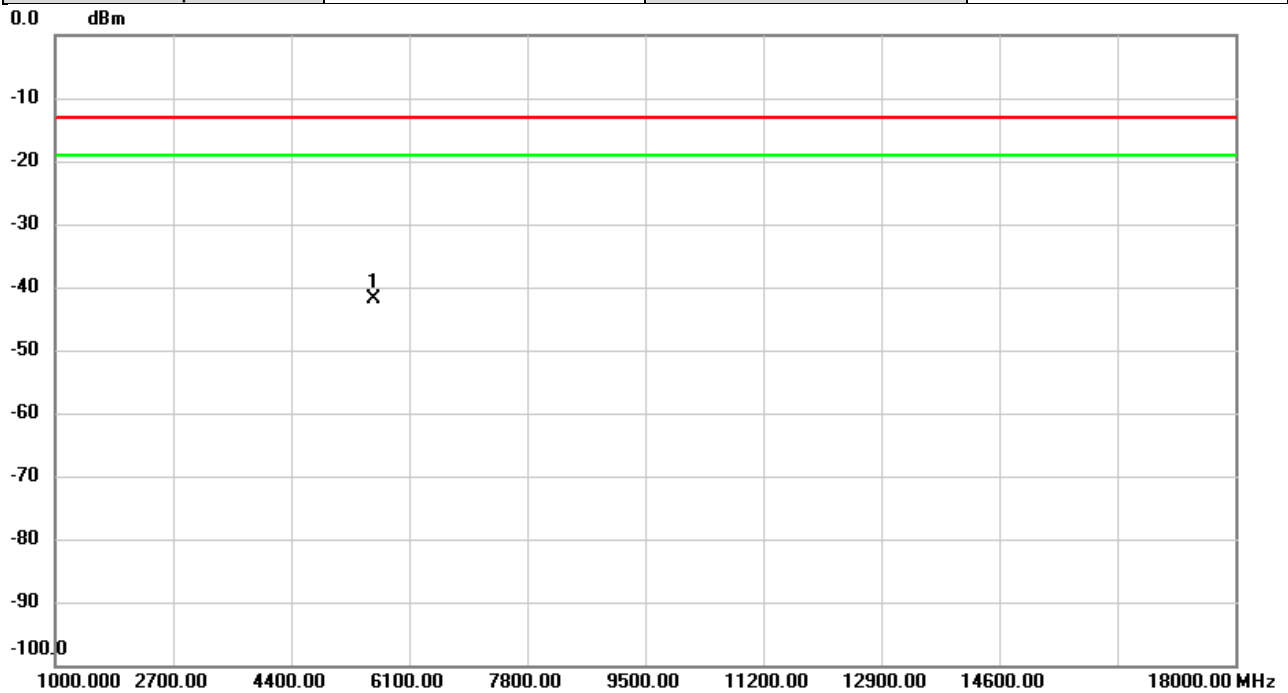


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   |     | 42.4160  | -72.94        | 1.55           | -71.39      | -13.00 | -58.39 | peak     |         |
| 2   | *   | 96.9300  | -58.19        | -7.98          | -66.17      | -13.00 | -53.17 | peak     |         |
| 3   |     | 177.3430 | -63.25        | -6.33          | -69.58      | -13.00 | -56.58 | peak     |         |
| 4   |     | 252.0330 | -66.08        | -7.92          | -74.00      | -13.00 | -61.00 | peak     |         |
| 5   |     | 333.0603 | -70.58        | -3.81          | -74.39      | -13.00 | -61.39 | peak     |         |
| 6   |     | 555.2550 | -74.49        | -0.59          | -75.08      | -13.00 | -62.08 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/28 |
| Test Channel | CH18700    | Polarization | Vertical   |
| Temp         | 22°C       | Hum.         | 56%        |

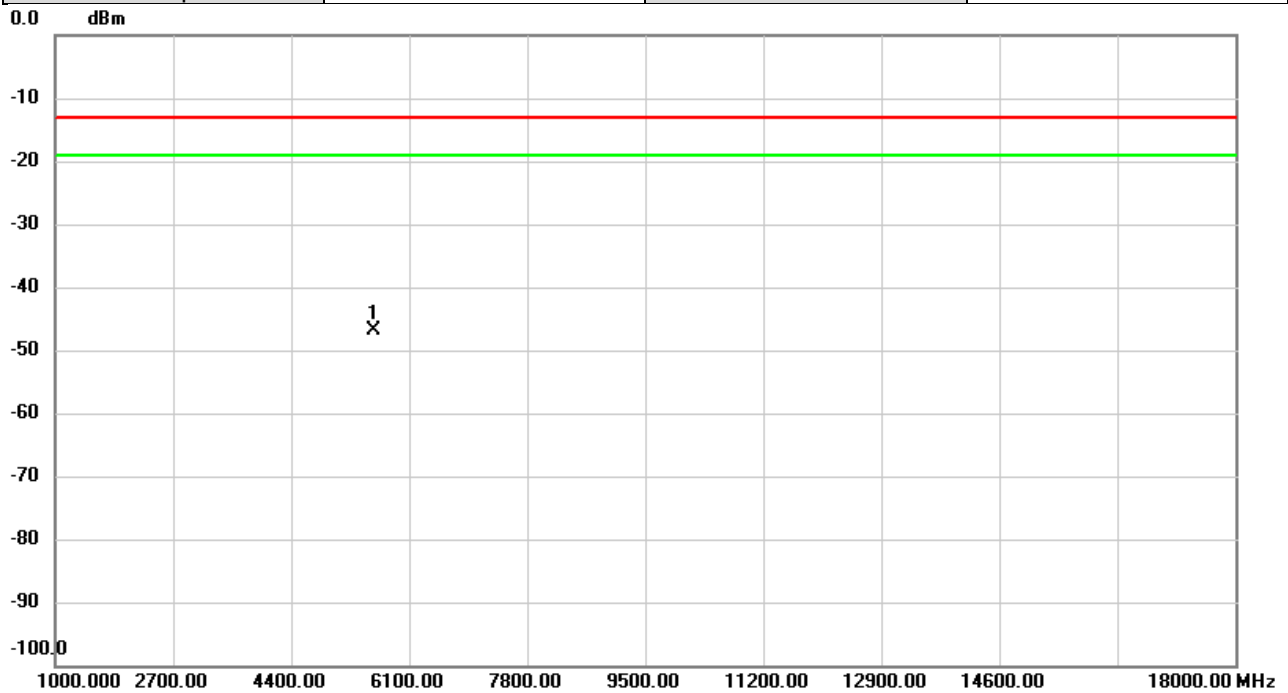


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 5592.267 | -56.90        | 14.97          | -41.93      | -13.00 | -28.93 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/28 |
| Test Channel | CH18700    | Polarization | Horizontal |
| Temp         | 22°C       | Hum.         | 56%        |

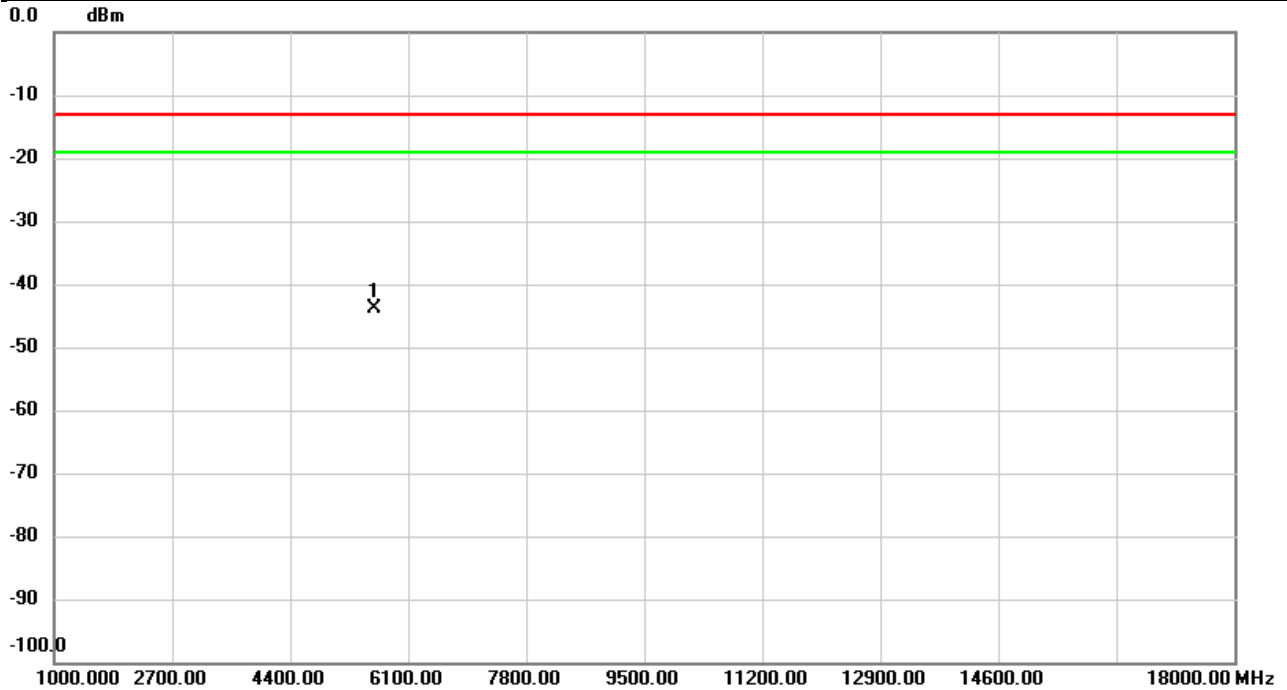


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 5580.000 | -61.50        | 14.55          | -46.95      | -13.00 | -33.95 | peak     |         |

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/28 |
| Test Channel | CH18900    | Polarization | Vertical   |
| Temp         | 22°C       | Hum.         | 56%        |

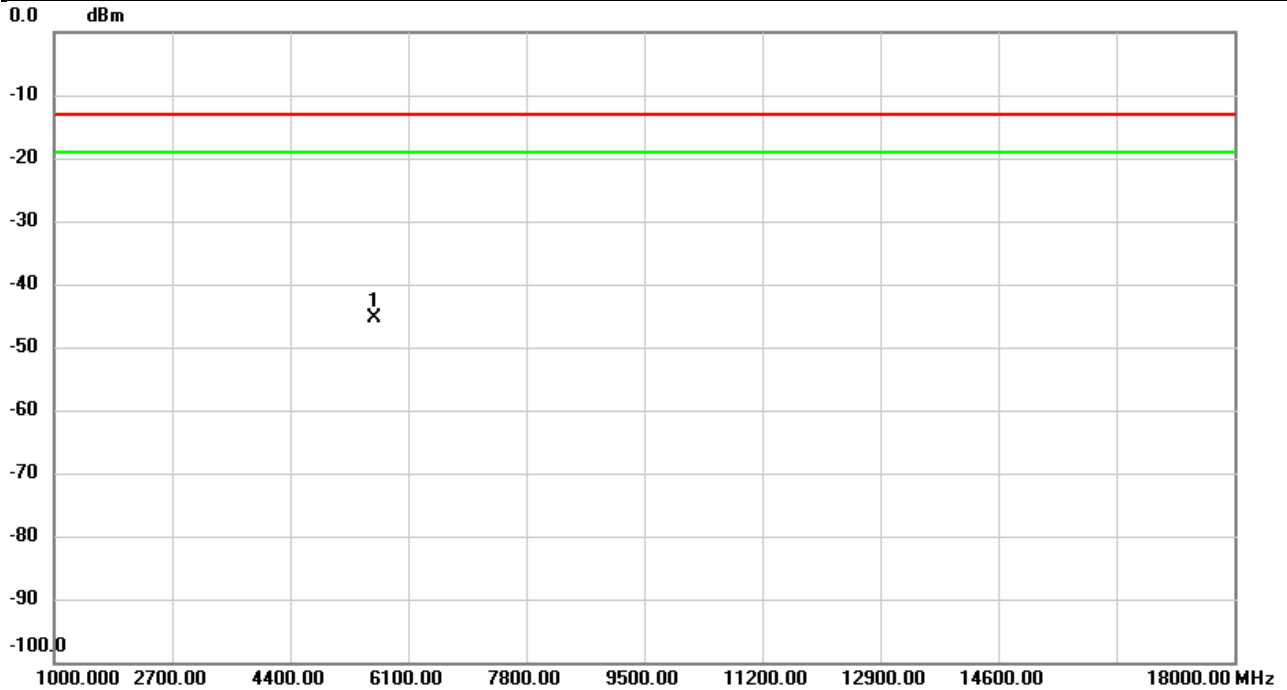


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     |          |         |
| 1   | *   | 5613.233 | -58.94        | 15.04          | -43.90       | -13.00 | -30.90 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/28 |
| Test Channel | CH18900    | Polarization | Horizontal |
| Temp         | 22°C       | Hum.         | 56%        |

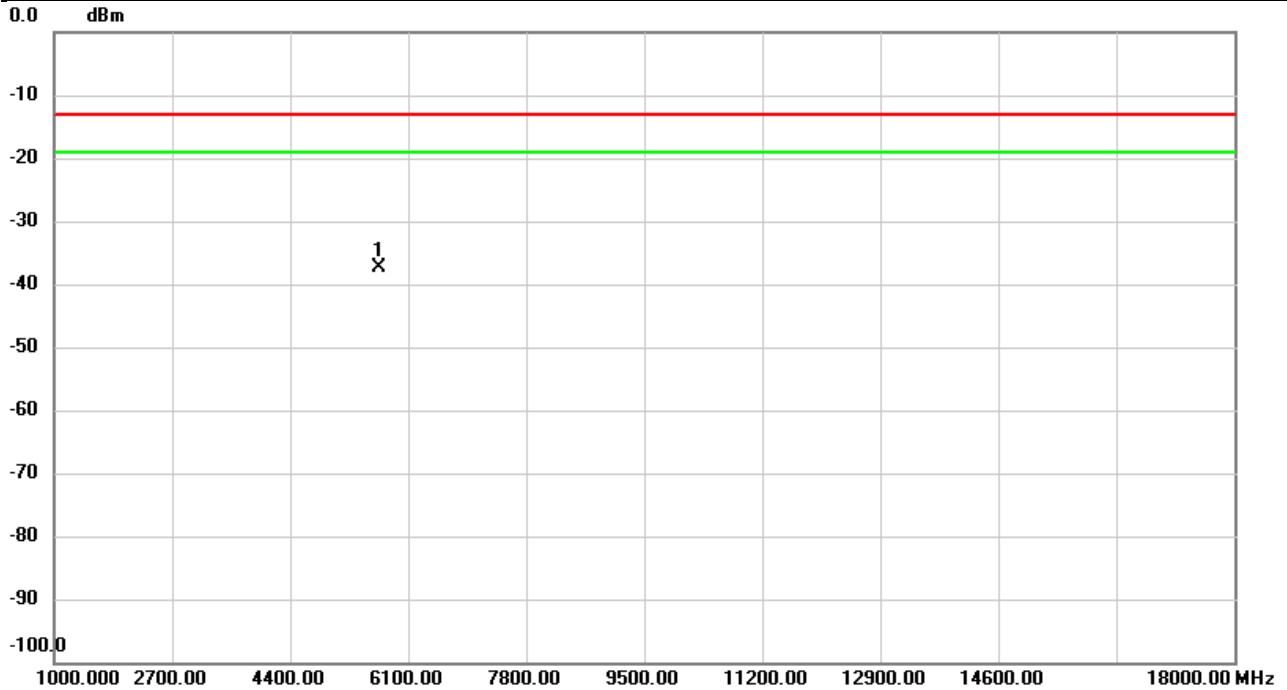


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     |          |         |
| 1   | *   | 5613.233 | -60.21        | 14.83          | -45.38       | -13.00 | -32.38 | peak     |         |

#### REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/28 |
| Test Channel | CH19100    | Polarization | Vertical   |
| Temp         | 22°C       | Hum.         | 56%        |

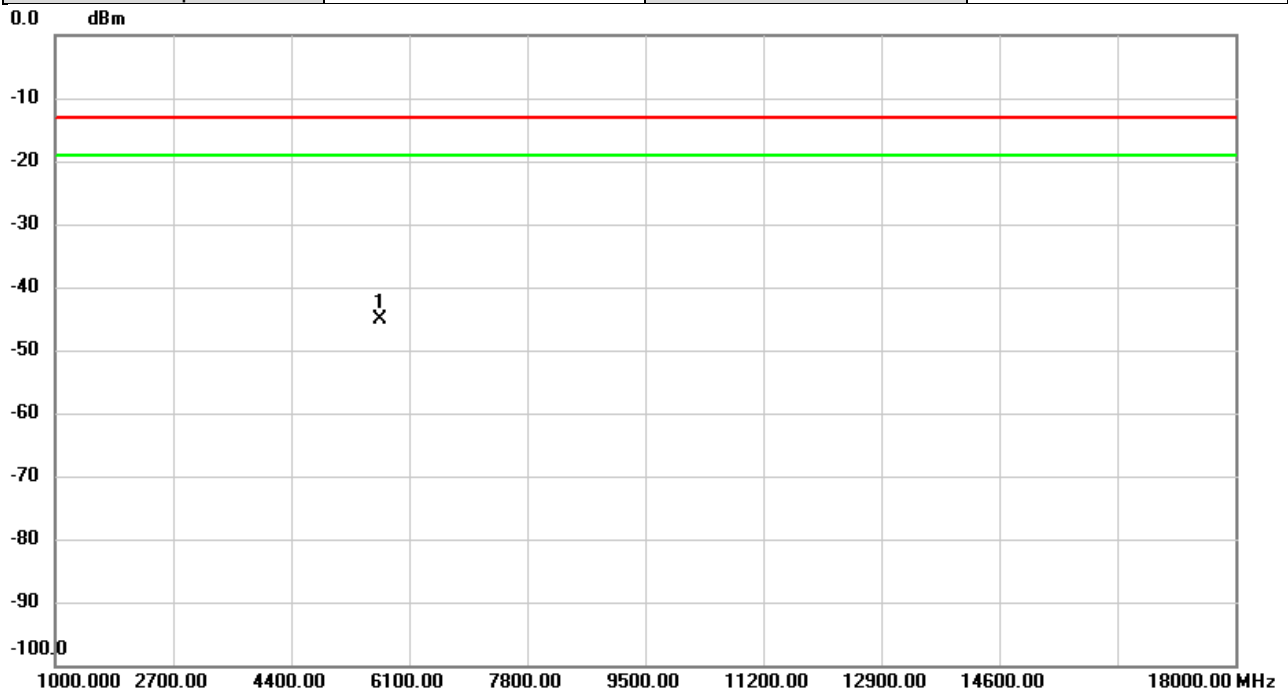


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 5673.300 | -52.13        | 14.79          | -37.34      | -13.00 | -24.34 | peak     |         |

# REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/28 |
| Test Channel | CH19100    | Polarization | Horizontal |
| Temp         | 22°C       | Hum.         | 56%        |

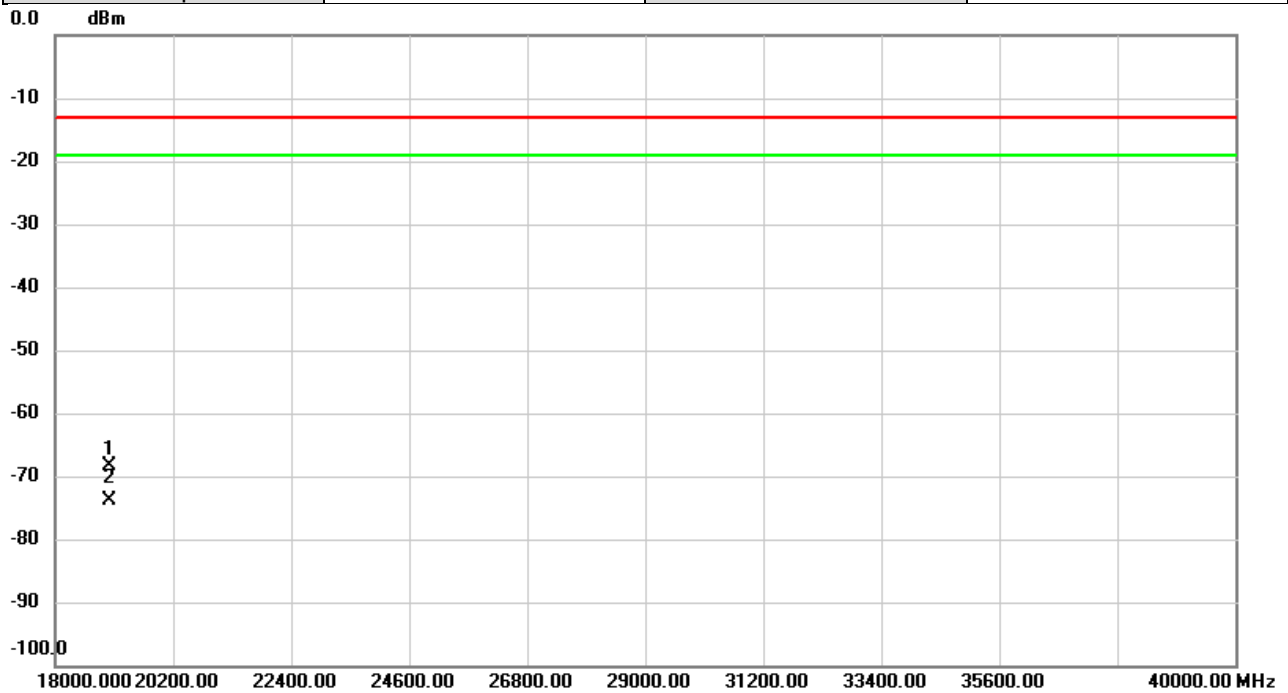


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 5673.300 | -59.77        | 14.56          | -45.21      | -13.00 | -32.21 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/30 |
| Test Channel | CH19100    | Polarization | Vertical   |
| Temp         | 22°C       | Hum.         | 59%        |

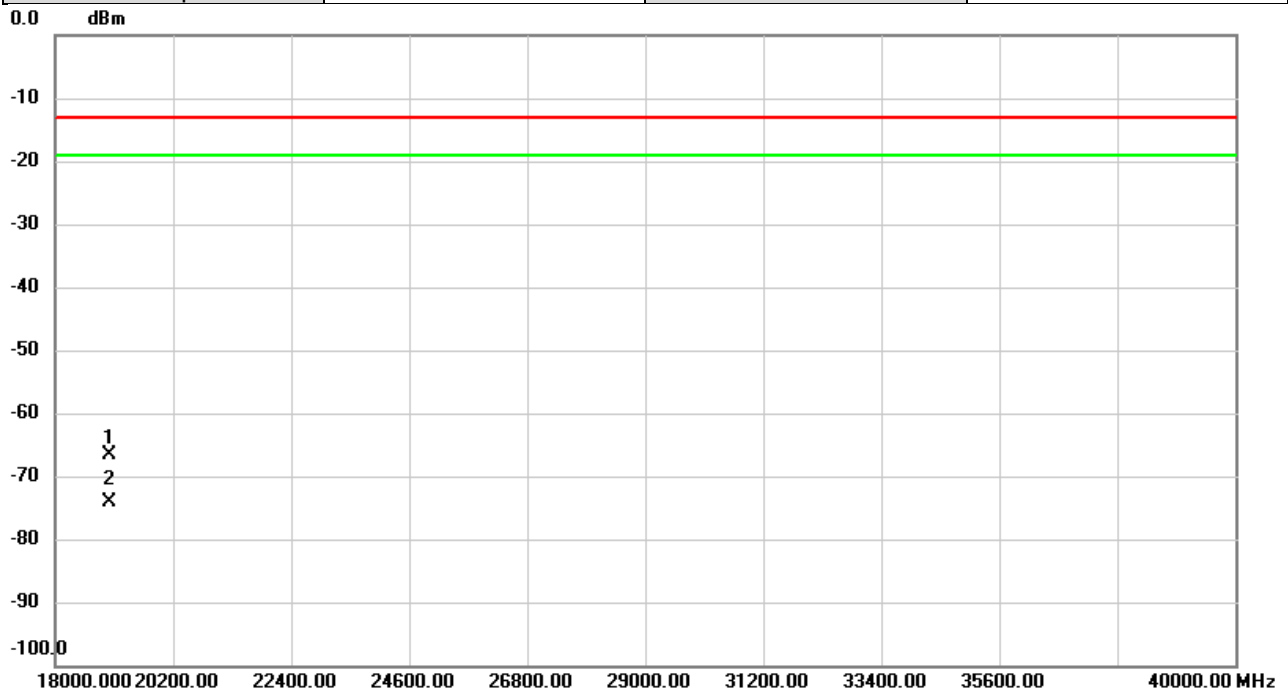


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 19000.00 | -61.56        | -6.91          | -68.47      | -13.00 | -55.47 | peak     |         |
| 2   |     | 19000.00 | -66.95        | -6.91          | -73.86      | -13.00 | -60.86 | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |            |              |            |
|--------------|------------|--------------|------------|
| Test Mode    | LTE Band 2 | Test Date    | 2023/11/30 |
| Test Channel | CH19100    | Polarization | Horizontal |
| Temp         | 22°C       | Hum.         | 59%        |

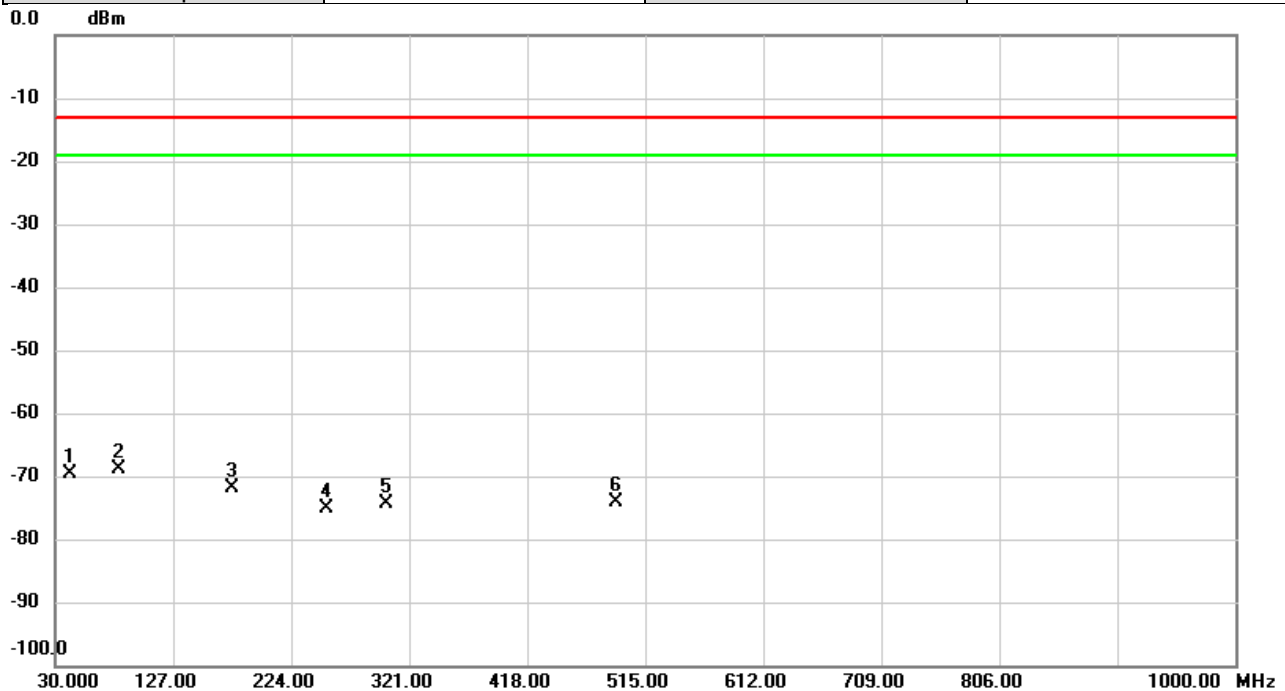


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 19000.00 | -59.59        | -6.91          | -66.50      | -13.00 | -53.50 | peak     |         |
| 2   |     | 19000.00 | -67.26        | -6.91          | -74.17      | -13.00 | -61.17 | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/29 |
| Test Channel | CH26590     | Polarization | Vertical   |
| Temp         | 23°C        | Hum.         | 56%        |

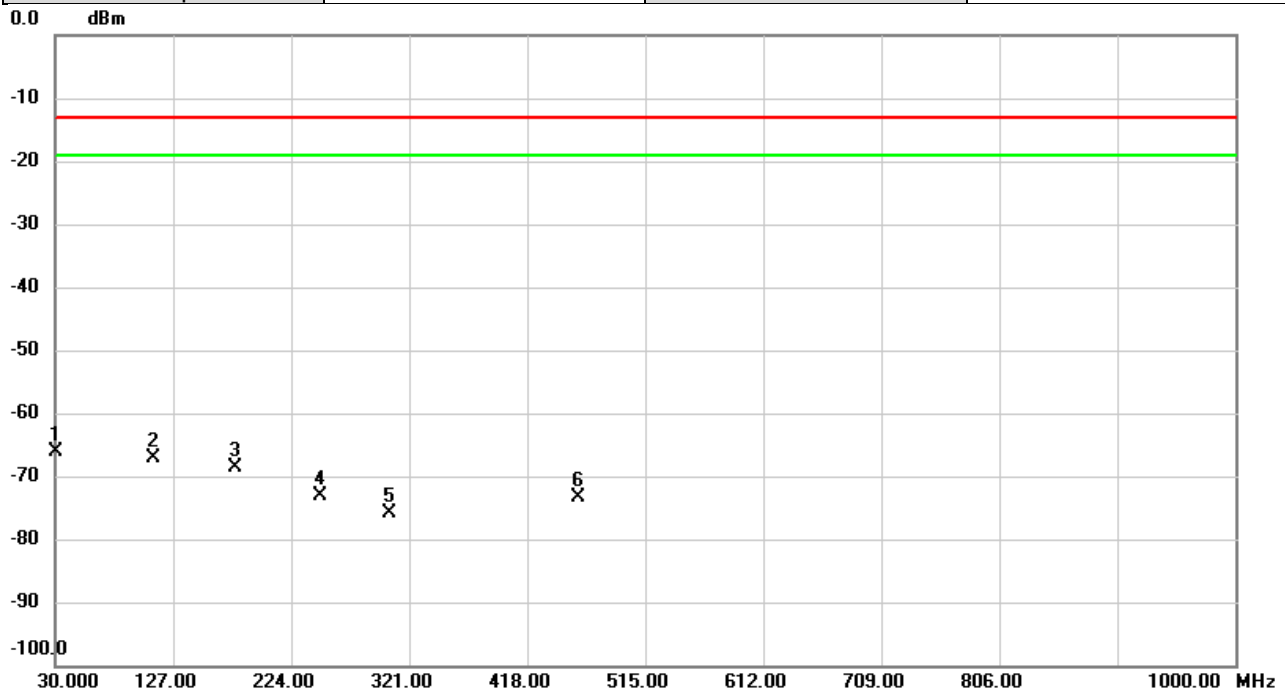


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     |          |         |
| 1   |     | 42.7717  | -61.23        | -8.46          | -69.69       | -13.00 | -56.69 | peak     |         |
| 2   | *   | 82.8003  | -62.83        | -5.93          | -68.76       | -13.00 | -55.76 | peak     |         |
| 3   |     | 176.0173 | -69.52        | -2.38          | -71.90       | -13.00 | -58.90 | peak     |         |
| 4   |     | 252.9060 | -72.20        | -2.99          | -75.19       | -13.00 | -62.19 | peak     |         |
| 5   |     | 301.9233 | -71.21        | -3.28          | -74.49       | -13.00 | -61.49 | peak     |         |
| 6   |     | 491.5260 | -73.90        | -0.24          | -74.14       | -13.00 | -61.14 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/29 |
| Test Channel | CH26590     | Polarization | Horizontal |
| Temp         | 23°C        | Hum.         | 56%        |

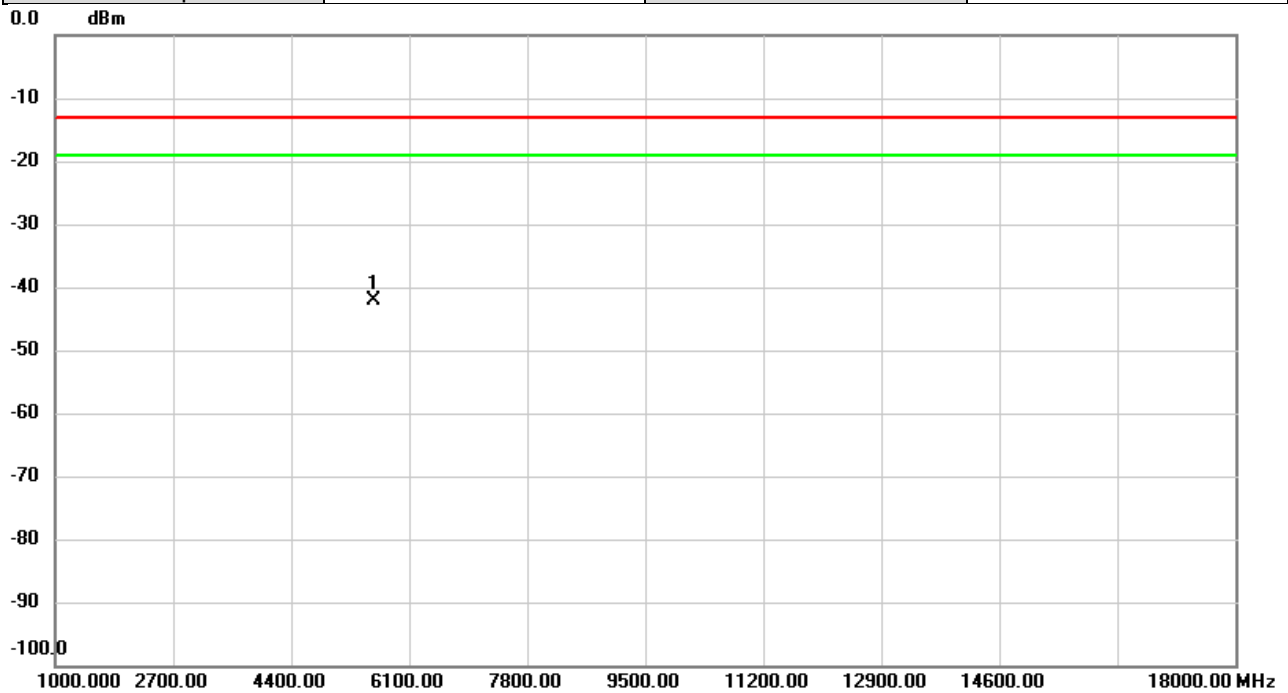


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     |          |         |
| 1   | *   | 31.0347  | -68.83        | 2.76           | -66.07       | -13.00 | -53.07 | peak     |         |
| 2   |     | 110.3160 | -58.96        | -8.10          | -67.06       | -13.00 | -54.06 | peak     |         |
| 3   |     | 177.8603 | -62.33        | -6.38          | -68.71       | -13.00 | -55.71 | peak     |         |
| 4   |     | 247.3447 | -65.16        | -8.03          | -73.19       | -13.00 | -60.19 | peak     |         |
| 5   |     | 304.8333 | -70.11        | -5.77          | -75.88       | -13.00 | -62.88 | peak     |         |
| 6   |     | 460.5830 | -71.33        | -1.92          | -73.25       | -13.00 | -60.25 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/28 |
| Test Channel | CH26140     | Polarization | Vertical   |
| Temp         | 22°C        | Hum.         | 56%        |

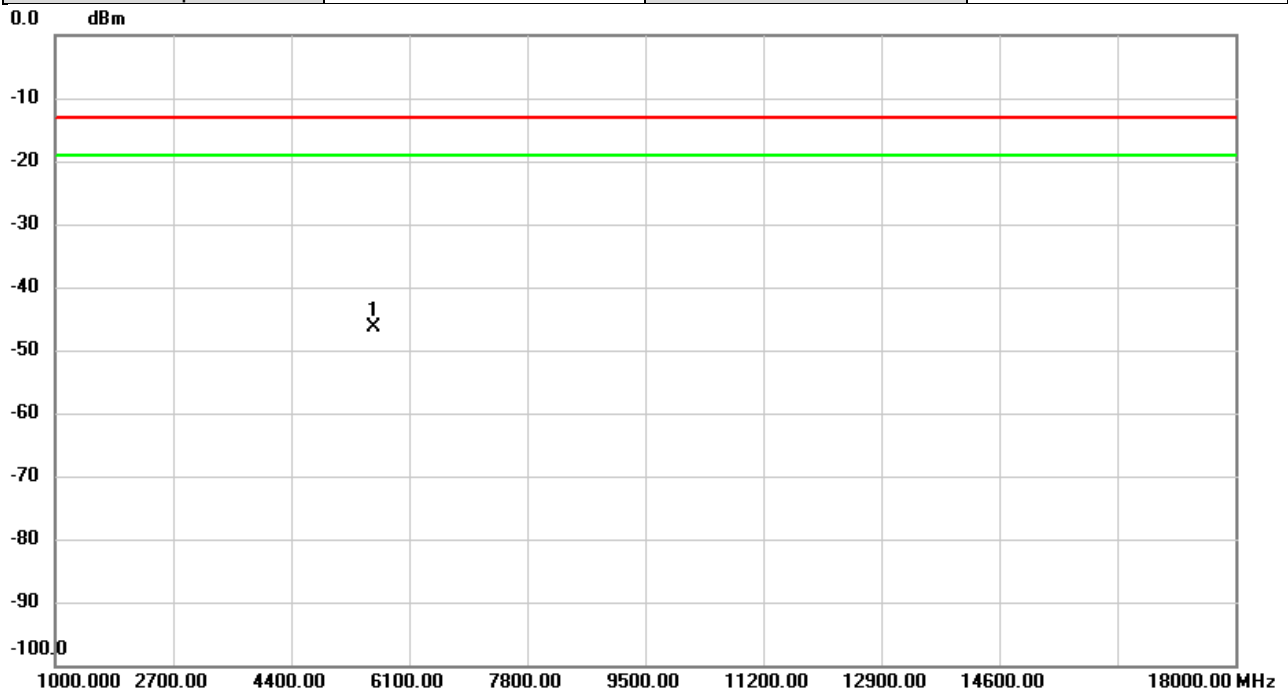


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 5593.400 | -57.17        | 15.00          | -42.17      | -13.00 | -29.17 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/28 |
| Test Channel | CH26140     | Polarization | Horizontal |
| Temp         | 22°C        | Hum.         | 56%        |

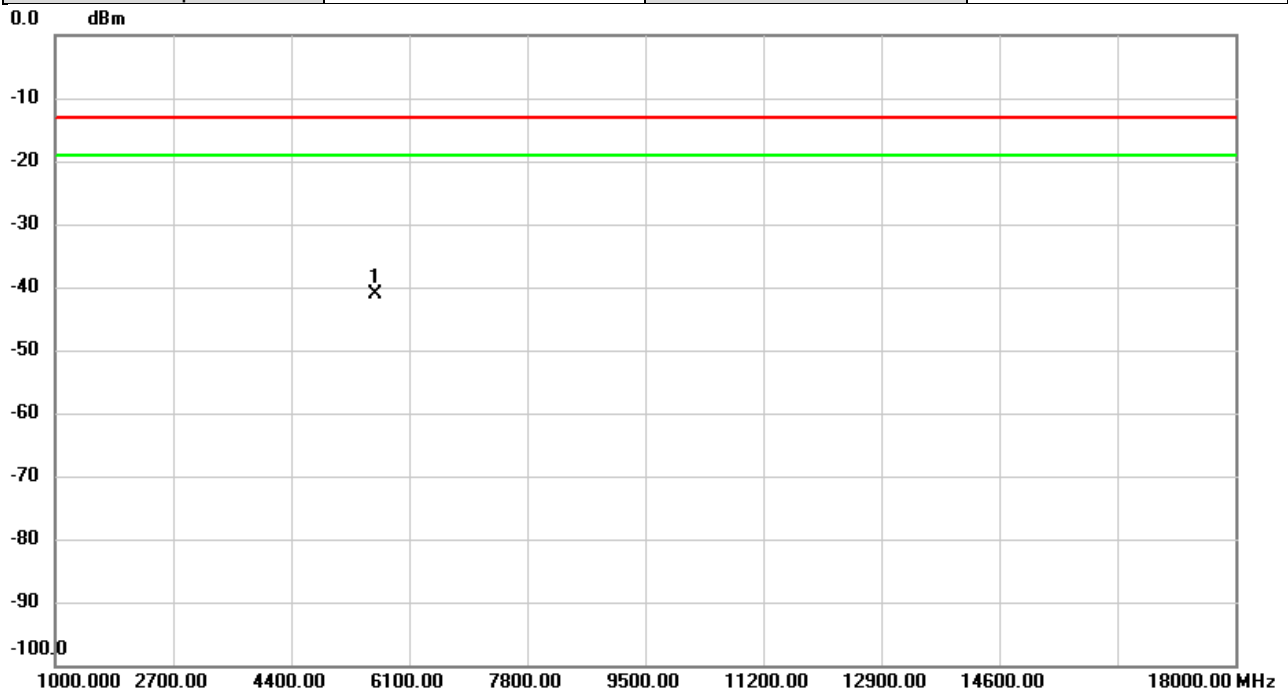


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 5593.400 | -61.24        | 14.84          | -46.40      | -13.00 | -33.40 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/28 |
| Test Channel | CH26365     | Polarization | Vertical   |
| Temp         | 22°C        | Hum.         | 56%        |

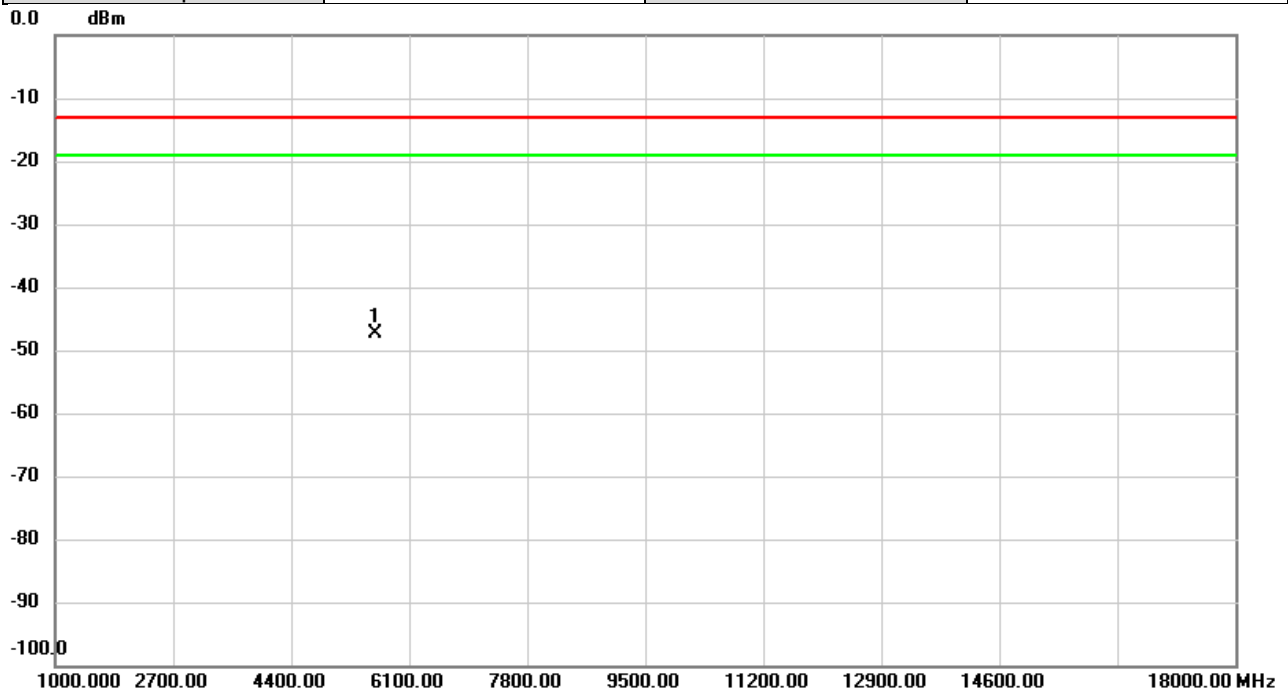


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 5620.600 | -56.18        | 14.97          | -41.21      | -13.00 | -28.21 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/28 |
| Test Channel | CH26365     | Polarization | Horizontal |
| Temp         | 22°C        | Hum.         | 56%        |

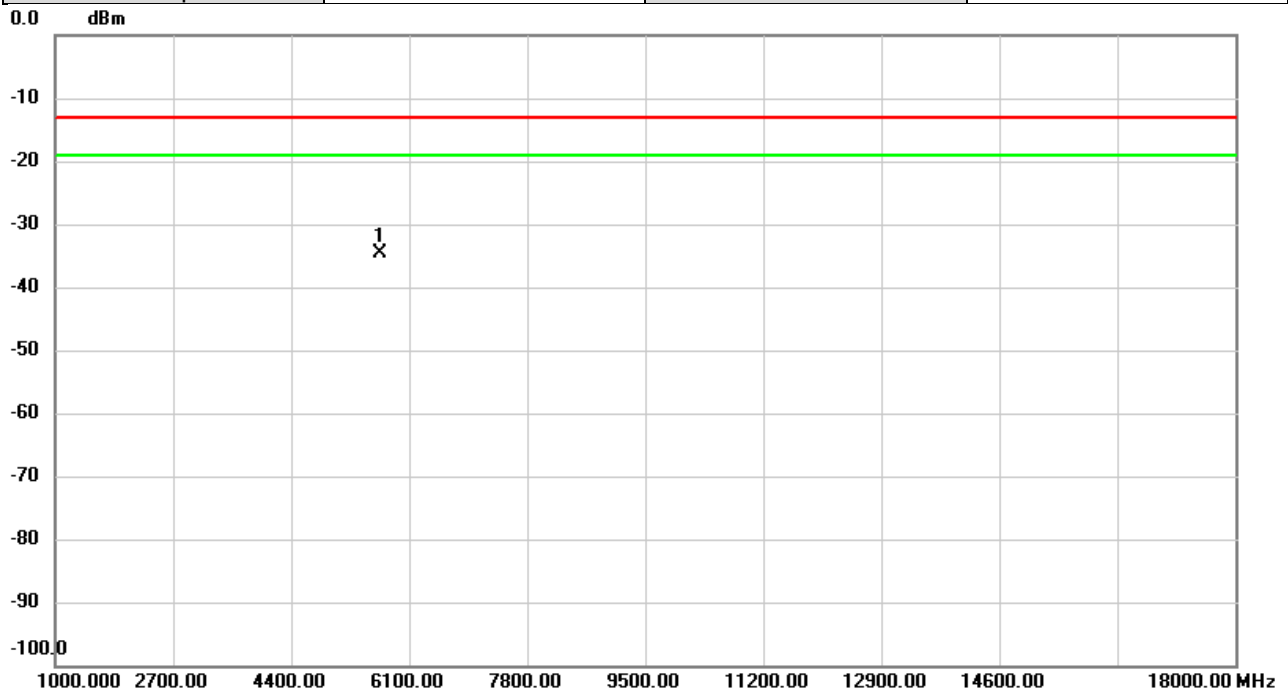


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 5621.167 | -62.10        | 14.74          | -47.36      | -13.00 | -34.36 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/28 |
| Test Channel | CH26590     | Polarization | Vertical   |
| Temp         | 22°C        | Hum.         | 56%        |

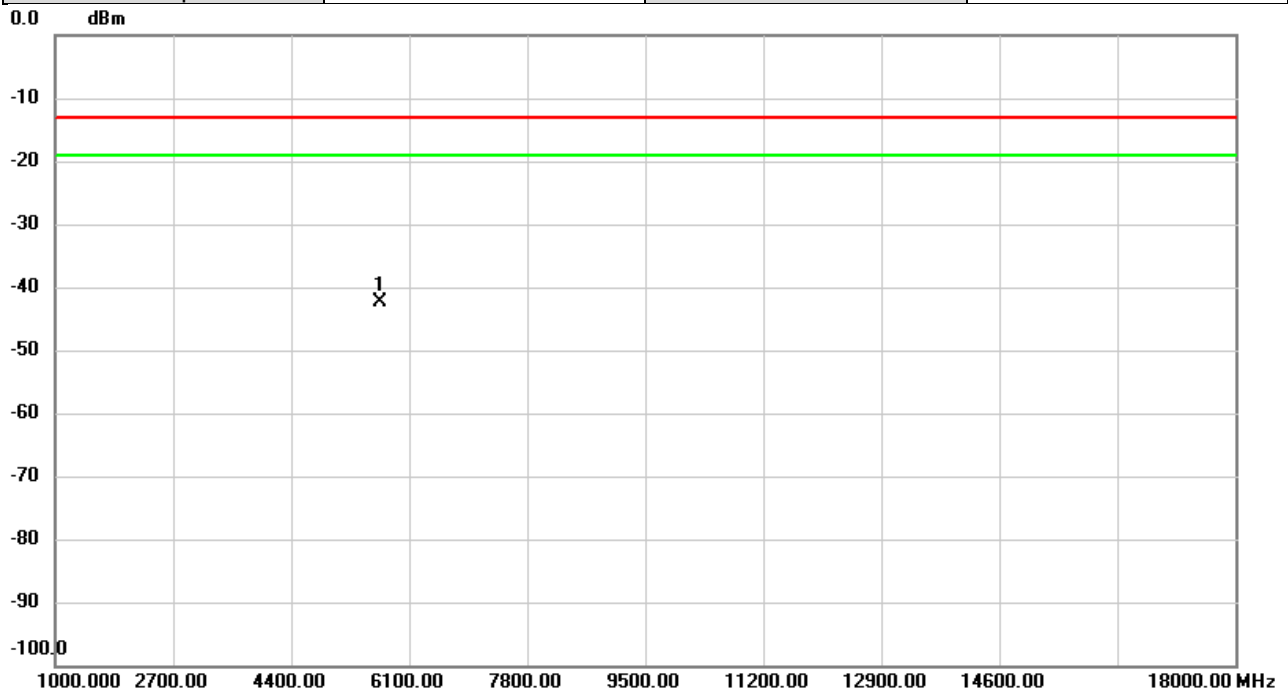


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     | Detector | Comment |
| 1   | *   | 5688.600 | -49.60        | 14.86          | -34.74       | -13.00 | -21.74 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/28 |
| Test Channel | CH26590     | Polarization | Horizontal |
| Temp         | 22°C        | Hum.         | 56%        |

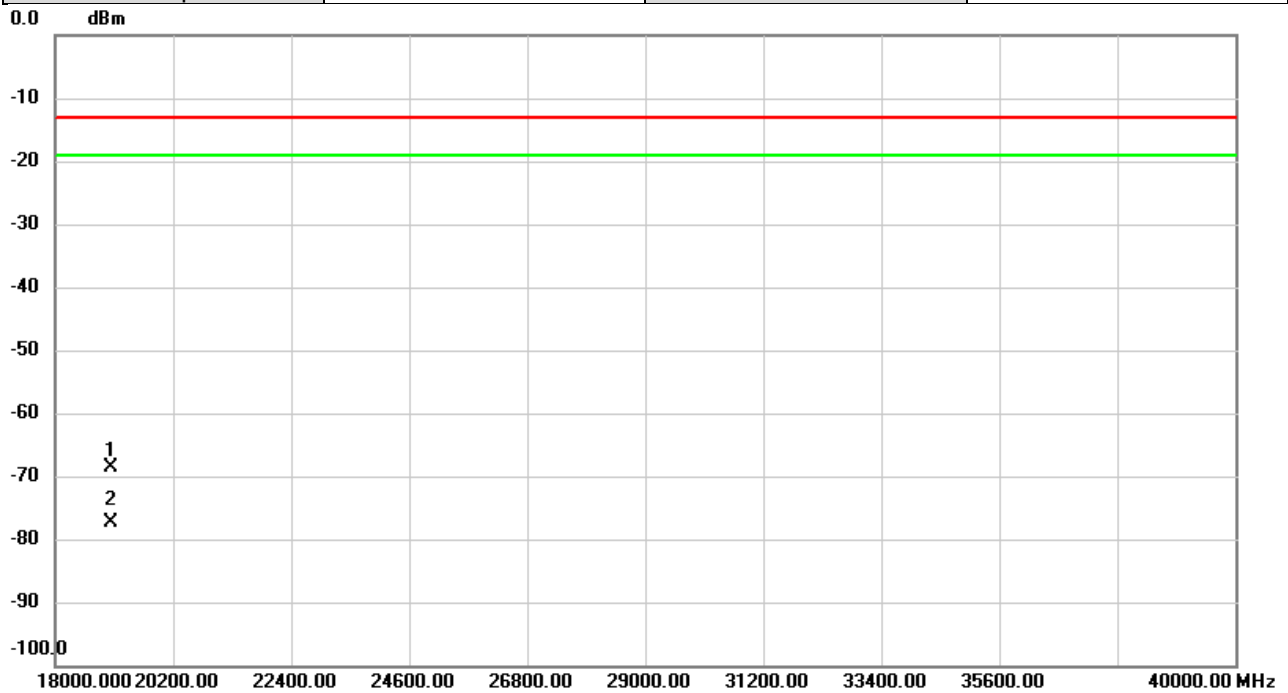


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 5688.600 | -56.97        | 14.68          | -42.29      | -13.00 | -29.29 | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/30 |
| Test Channel | CH26590     | Polarization | Vertical   |
| Temp         | 22°C        | Hum.         | 59%        |



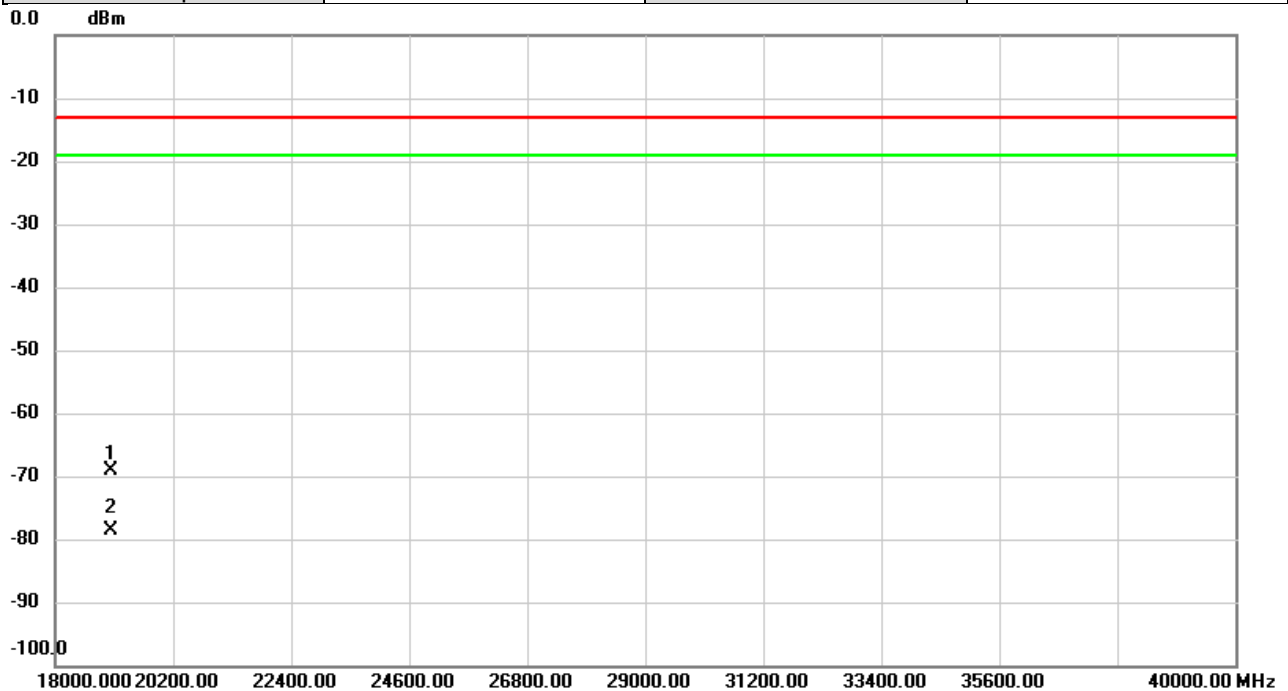
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   | *   | 19050.00     | -61.59                  | -6.98                   | -68.57                  | -13.00       | -55.57     | peak     |         |
| 2   |     | 19050.00     | -70.35                  | -6.98                   | -77.33                  | -13.00       | -64.33     | AVG      |         |

#### REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|              |             |              |            |
|--------------|-------------|--------------|------------|
| Test Mode    | LTE Band 25 | Test Date    | 2023/11/30 |
| Test Channel | CH26590     | Polarization | Horizontal |
| Temp         | 22°C        | Hum.         | 59%        |



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 19050.00 | -62.22        | -6.98          | -69.20      | -13.00 | -56.20 | peak     |         |
| 2   |     | 19050.00 | -71.60        | -6.98          | -78.58      | -13.00 | -65.58 | AVG      |         |

# REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

**End of Test Report**