



# FCC RADIO TEST REPORT

**FCC ID** : 2AJN7-TP00129A  
**Equipment** : Notebook Computer  
**Brand Name** : Lenovo  
**Model Name** : TP00129A  
**Applicant** : LC Future Center Limited Taiwan Branch  
7F., No. 780, Bei'an Rd., Zhongshan Dist., Taipei  
City 104, Taiwan  
**Manufacturer** : LCFC (HeFei) Electronics Technology Co., Ltd.  
No. 3188-1, Yungu Road (Hefei Export  
Processing Zone), Hefei Economics &  
Technology Development Area, Anhui, CHINA  
**Standard** : FCC 47 CFR Part 2, and 90(S)

Equipment: Foxconn T99W175 tested inside of Lenovo Notebook Computer.

The product was received on Nov. 12, 2020 and testing was started from Nov. 20, 2020 and completed on Nov. 23, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan

## Table of Contents

|                                                             |           |
|-------------------------------------------------------------|-----------|
| History of this test report.....                            | 3         |
| Summary of Test Result.....                                 | 4         |
| <b>1 General Description .....</b>                          | <b>5</b>  |
| 1.1 Feature of Equipment Under Test.....                    | 5         |
| 1.2 Product Specification of Equipment Under Test .....     | 5         |
| 1.3 Modification of EUT .....                               | 6         |
| 1.4 Testing Site.....                                       | 6         |
| 1.5 Applied Standards .....                                 | 6         |
| <b>2 Test Configuration of Equipment Under Test .....</b>   | <b>7</b>  |
| 2.1 Test Mode.....                                          | 7         |
| 2.2 Connection Diagram of Test System .....                 | 7         |
| 2.3 Support Unit used in test configuration and system..... | 8         |
| 2.4 Frequency List of Low/Middle/High Channels.....         | 8         |
| <b>3 Radiated Test Items .....</b>                          | <b>9</b>  |
| 3.1 Field Strength of Spurious Radiation Measurement .....  | 9         |
| <b>4 List of Measuring Equipment.....</b>                   | <b>12</b> |
| <b>5 Uncertainty of Evaluation .....</b>                    | <b>13</b> |
| <b>Appendix A. Test Results of Radiated Test</b>            |           |
| <b>Appendix B. Test Setup Photographs</b>                   |           |



## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FG0N0621F  | 01      | Initial issue of report | Jan. 08, 2021 |
|            |         |                         |               |
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|            |         |                         |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause    | Test Items                                          | Result (PASS/FAIL) | Remark                                     |
|---------------|--------------------|-----------------------------------------------------|--------------------|--------------------------------------------|
| -             | §2.1046<br>§90.635 | Conducted Output Power and Effective Radiated Power | -                  | See Note                                   |
| -             | -                  | Peak-to-Average Ratio                               | -                  | See Note                                   |
| -             | §2.1049<br>§90.209 | Occupied Bandwidth and 26dB Bandwidth               | -                  | See Note                                   |
| -             | §2.1051<br>§90.691 | Emission masks – In-band emissions                  | -                  | See Note                                   |
| -             | §2.1051<br>§90.691 | Emission masks – Out of band emissions              | -                  | See Note                                   |
| -             | §2.1055<br>§90.213 | Frequency Stability for Temperature & Voltage       | -                  | See Note                                   |
| 3.1           | §2.1053<br>§90.691 | Field Strength of Spurious Radiation                | Pass               | Under limit<br>43.57 dB at<br>3267.000 MHz |

**Note:** The module (Model: T99W175) makes no difference after verifying output power, this report reuses test data from the module report.

|                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Declaration of Conformity:</b>                                                                                                                                                                      |
| The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.                                           |
| <b>Comments and Explanations:</b>                                                                                                                                                                      |
| The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification. |

**Reviewed by: Wii Chang**

**Report Producer: Ruby Zou**

# 1 General Description

## 1.1 Feature of Equipment Under Test

| Product Feature                 |                                   |
|---------------------------------|-----------------------------------|
| Equipment                       | Notebook Computer                 |
| Brand Name                      | Lenovo                            |
| Model Name                      | TP00129A                          |
| FCC ID                          | 2AJN7-TP00129A                    |
| Sample 1                        | EUT with Novocomms/JYT Antenna    |
| Sample 2                        | EUT with Amphenol Antenna         |
| EUT supports Radios application | WCDMA/HSPA/LTE/5G NR/GNSS/NFC/UWB |
| EUT Stage                       | Production Unit                   |

**Remark:**

1. The above EUT's information was declared by manufacturer.
2. Equipment: Foxconn T99W175 tested inside of Lenovo Notebook Computer

| WWAN Antenna Information |              |                 |                 |      |
|--------------------------|--------------|-----------------|-----------------|------|
| Main Antenna             | Manufacturer | Amphenol        | Peak gain (dBi) | 1.97 |
|                          | Part number  | TKC116-16-000-C | Type            | PIFA |
|                          | Manufacturer | Novocomms/JYT   | Peak gain (dBi) | 1.88 |
|                          | Part number  | JYAAE0150HR     | Type            | PIFA |
| MIMO 2 Antenna           | Manufacturer | Amphenol        | Peak gain (dBi) | 1.97 |
|                          | Part number  | TKC115-16-000-C | Type            | PIFA |
|                          | Manufacturer | Novocomms/JYT   | Peak gain (dBi) | 2.28 |
|                          | Part number  | JYAAE0151HR     | Type            | PIFA |

**Remark:**

1. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. All test items were performed with Main Antenna (Novocomms/JYT Antenna).

## 1.2 Product Specification of Equipment Under Test

| Product Specification subjective to this standard |                                      |
|---------------------------------------------------|--------------------------------------|
| Tx Frequency                                      | LTE Band 26 : 814.7 ~ 823.3 MHz      |
| Rx Frequency                                      | LTE Band 26 : 859.7 ~ 868.3 MHz      |
| Bandwidth                                         | 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz |
| Type of Modulation                                | QPSK / 16QAM / 64QAM / 256QAM        |

## 1.3 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.4 Testing Site

|                    |                                                                            |
|--------------------|----------------------------------------------------------------------------|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory        |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan |
| Test Site No.      | <b>Sporton Site No.</b>                                                    |
|                    | 03CH12-HY                                                                  |
| Test Engineer      | Jack Cheng, Lance Chiang and Chuan Chu                                     |
| Temperature        | 22.3~26.4℃                                                                 |
| Relative Humidity  | 58~66%                                                                     |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW0007

## 1.5 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC 47 CFR Part 2, 90
- ♦ ANSI / TIA-603-E
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦ Interim Guidance for Equipment Authorization of Devices with Channel Bandwidths Combined Across Two Contiguous Service Rule Allocations OET/Lab/EACB, June 6, 2013

### Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

## 2 Test Configuration of Equipment Under Test

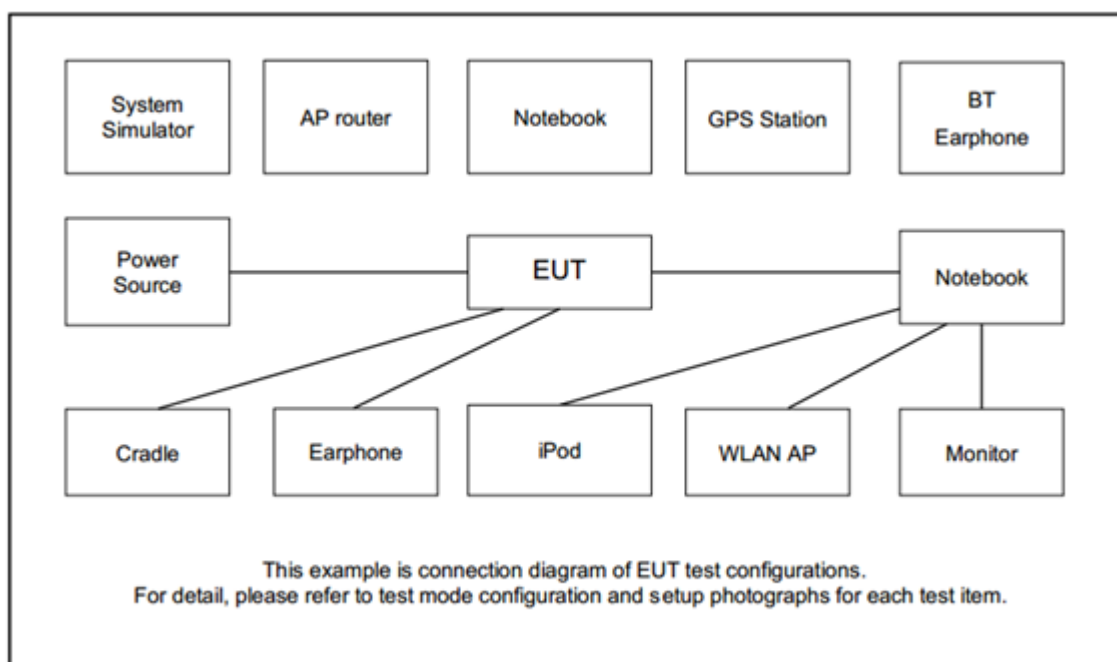
### 2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level.

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz.

| Conducted Test Cases       | Band                                                                                                                                                                                                                                                                                                                                                                                                      | Bandwidth (MHz) |   |   |    |    |    | Modulation |       |       |        | RB # |      |      | Test Channel |   |   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---|---|----|----|----|------------|-------|-------|--------|------|------|------|--------------|---|---|
|                            |                                                                                                                                                                                                                                                                                                                                                                                                           | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK       | 16QAM | 64QAM | 256QAM | 1    | Half | Full | L            | M | H |
| Radiated Spurious Emission | 26                                                                                                                                                                                                                                                                                                                                                                                                        |                 |   | V |    |    | -  |            |       |       | V      | V    |      |      | V            | V | V |
| Remark                     | 1. The mark "V" means that this configuration is chosen for testing<br>2. The mark "-" means that this bandwidth is not supported.<br>3. LTE Band26 transmit frequency for part22 rule is 824MHz-849MHz, for part90 rule is 814MHz-824MHz. ERP over 15MHz bandwidth complies the ERP limit line of part22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies. |                 |   |   |    |    |    |            |       |       |        |      |      |      |              |   |   |

### 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

| Item | Equipment        | Brand Name | Model No. | FCC ID       | Data Cable        | Power Cord        |
|------|------------------|------------|-----------|--------------|-------------------|-------------------|
| 1.   | System Simulator | Anritsu    | MT8821C   | N/A          | N/A               | Unshielded, 1.8 m |
| 2.   | iPod Earphone    | Apple      | N/A       | Verification | Unshielded, 1.0 m | N/A               |

## 2.4 Frequency List of Low/Middle/High Channels

| LTE Band 26 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 5                                      | Channel                | 26715  | 26740  | 26765   |
|                                        | Frequency              | 816.5  | 819    | 821.5   |

### 3 Radiated Test Items

#### 3.1 Field Strength of Spurious Radiation Measurement

##### 3.1.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least  $43 + 10 \log (P)$  dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

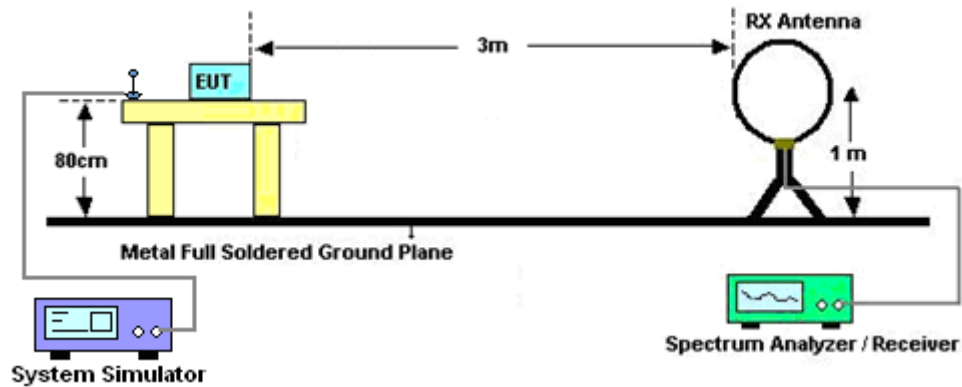
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log_{10}(P[\text{Watts}])$  dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

##### 3.1.2 Test Procedures

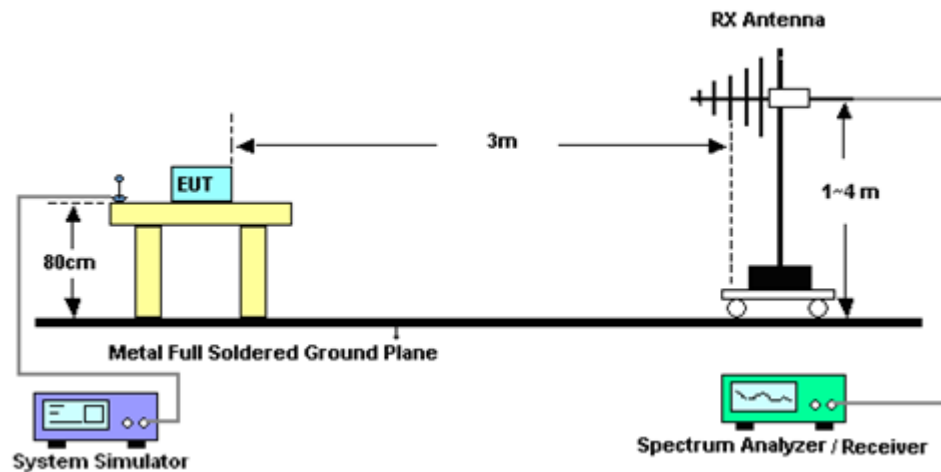
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. For testing above 1GHz, make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10.  $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11.  $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from  $43 + 10 \log(P)$  dB below the transmitter power P(Watts)

### 3.1.3 Test Setup

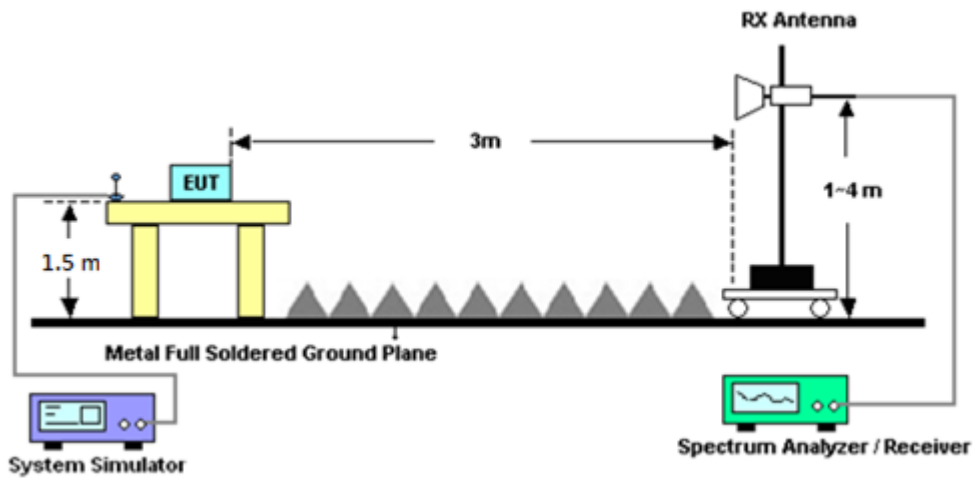
For radiated test below 30MHz



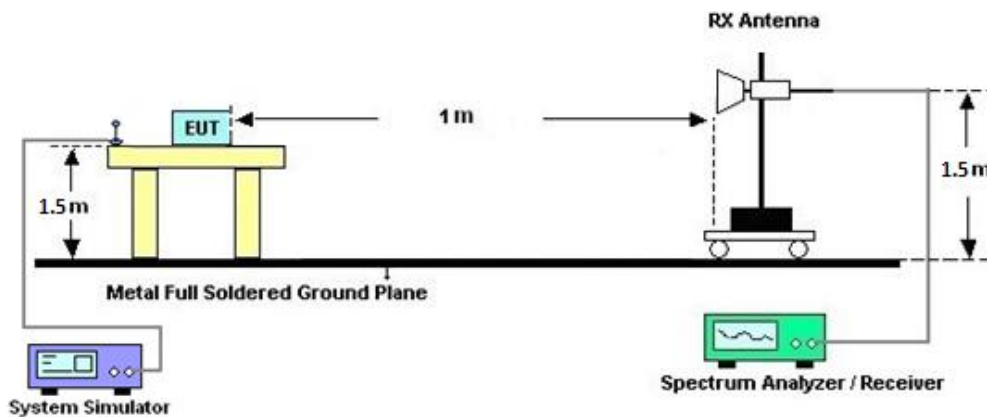
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



### 3.1.4 Test Result of Field Strength of Spurious Radiated

Please refer to Appendix A.

#### Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



## 4 List of Measuring Equipment

| Instrument              | Brand Name        | Model No.                         | Serial No.           | Characteristics                  | Calibration Date | Test Date                       | Due Date      | Remark                   |
|-------------------------|-------------------|-----------------------------------|----------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna            | Rohde & Schwarz   | HFH2-Z2                           | 100315               | 9 kHz~30 MHz                     | Dec. 26, 2019    | Nov. 20, 2020~<br>Nov. 23, 2020 | Dec. 25, 2020 | Radiation<br>(03CH12-HY) |
| Bilog Antenna           | TESEQ             | CBL 6111D &<br>00800N1D01<br>N-06 | 40103 &<br>07        | 30MHz~1GHz                       | Apr. 29, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Apr. 28, 2021 | Radiation<br>(03CH12-HY) |
| Horn Antenna            | SCHWARZBE<br>CK   | BBHA 9120 D                       | 9120D-121<br>2       | 1GHz~18GHz                       | May 20, 2020     | Nov. 20, 2020~<br>Nov. 23, 2020 | May 19, 2021  | Radiation<br>(03CH12-HY) |
| Horn Antenna            | SCHWARZBE<br>CK   | BBHA 9120D                        | 9120D-124<br>1       | 1GHz ~ 18GHz                     | Jul. 15, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Jul. 14, 2021 | Radiation<br>(03CH12-HY) |
| SHF-EHF Horn<br>Antenna | SCHWARZBE<br>CK   | BBHA 9170                         | BBHA9170<br>584      | 18GHz~40GHz                      | Dec. 10, 2019    | Nov. 20, 2020~<br>Nov. 23, 2020 | Dec. 09, 2020 | Radiation<br>(03CH12-HY) |
| SHF-EHF Horn<br>Antenna | SCHWARZBE<br>CK   | BBHA 9170                         | BBHA9170<br>980      | 18GHz ~ 40GHz                    | Jan. 10, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Jan. 09, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | COM-POWER         | PA-103                            | 161075               | 10MHz~1GHz                       | Mar. 25, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Mar. 24, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | Keysight          | 83017A                            | MY572801<br>20       | 1GHz~26.5GHz                     | Jul. 20, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Jul. 19, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | Jet-Power         | JPA0118-55-3<br>03K               | 171000180<br>0054002 | 1GHz~18GHz                       | Feb. 07, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Feb. 06, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | EMEC              | EM18G40G                          | 060715               | 18GHz~40GHz                      | Dec. 13, 2019    | Nov. 20, 2020~<br>Nov. 23, 2020 | Dec. 12, 2020 | Radiation<br>(03CH12-HY) |
| Spectrum<br>Analyzer    | Agilent           | N9010A                            | MY542004<br>85       | 10Hz~44GHz                       | Feb. 10, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Feb. 09, 2021 | Radiation<br>(03CH12-HY) |
| Signal Generator        | Anritsu           | MG3694C                           | 163401               | 0.1Hz~40GHz                      | Feb. 15, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Feb. 14, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>104                   | MY9837/4<br>PE       | 9kHz~30MHz                       | Mar. 12, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Mar. 11, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>126E                  | 0058/126E            | 30MHz~18GHz                      | Dec. 12, 2019    | Nov. 20, 2020~<br>Nov. 23, 2020 | Dec. 11, 2020 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>102                   | 505134/2             | 30MHz~40GHz                      | Feb. 25, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Feb. 24, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>102                   | 800740/2             | 30MHz~40GHz                      | Feb. 25, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Feb. 24, 2021 | Radiation<br>(03CH12-HY) |
| Hygrometer              | TECPEL            | DTM-303B                          | TP140349             | N/A                              | Oct. 02, 2020    | Nov. 20, 2020~<br>Nov. 23, 2020 | Oct. 01, 2021 | Radiation<br>(03CH12-HY) |
| Controller              | EMEC              | EM1000                            | N/A                  | Control Turn<br>table & Ant Mast | N/A              | Nov. 20, 2020~<br>Nov. 23, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Antenna Mast            | EMEC              | AM-BS-4500-<br>B                  | N/A                  | 1m~4m                            | N/A              | Nov. 20, 2020~<br>Nov. 23, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Turn Table              | EMEC              | TT2000                            | N/A                  | 0~360 Degree                     | N/A              | Nov. 20, 2020~<br>Nov. 23, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Software                | Audix             | E3<br>6.2009-8-24                 | RK-00098<br>9        | N/A                              | N/A              | Nov. 20, 2020~<br>Nov. 23, 2020 | N/A           | Radiation<br>(03CH12-HY) |

## 5 Uncertainty of Evaluation

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.07 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.21 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.80 |
|-------------------------------------------------------------------------|------|



## Appendix A. Test Results of Radiated Test

LTE Band 26

| LTE Band 26 / 5MHz / 256QAM |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                     | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                      | 1632                 | -63.11         | -13              | -50.11                  | -71.52                  | -68.65                   | 0.91                       | 8.60                        | H                     |
|                             | 2440                 | -58.70         | -13              | -45.70                  | -72.16                  | -66.03                   | 1.14                       | 10.62                       | H                     |
|                             | 3257                 | -56.97         | -13              | -43.97                  | -72.42                  | -65.42                   | 1.32                       | 11.92                       | H                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                             | 1632                 | -63.42         | -13              | -50.42                  | -71.36                  | -68.96                   | 0.91                       | 8.60                        | V                     |
|                             | 2440                 | -58.42         | -13              | -45.42                  | -71.95                  | -65.75                   | 1.14                       | 10.62                       | V                     |
|                             | 3257                 | -56.69         | -13              | -43.69                  | -72.63                  | -65.14                   | 1.32                       | 11.92                       | V                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                      | 1633                 | -63.09         | -13              | -50.09                  | -71.5                   | -68.63                   | 0.92                       | 8.61                        | H                     |
|                             | 2450                 | -58.77         | -13              | -45.77                  | -72.25                  | -66.11                   | 1.14                       | 10.63                       | H                     |
|                             | 3267                 | -57.02         | -13              | -44.02                  | -72.44                  | -65.49                   | 1.32                       | 11.94                       | H                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                             | 1633                 | -63.72         | -13              | -50.72                  | -71.66                  | -69.26                   | 0.92                       | 8.61                        | V                     |
|                             | 2450                 | -58.61         | -13              | -45.61                  | -72.19                  | -65.95                   | 1.14                       | 10.63                       | V                     |
|                             | 3267                 | -56.57         | -13              | -43.57                  | -72.47                  | -65.04                   | 1.32                       | 11.94                       | V                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                             |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1638 | -63.04 | -13 | -50.04 | -71.46 | -68.60 | 0.92 | 8.62  | H |
|         | 2458 | -59.22 | -13 | -46.22 | -72.71 | -66.57 | 1.14 | 10.64 | H |
|         | 3277 | -56.68 | -13 | -43.68 | -72.08 | -65.17 | 1.32 | 11.96 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1638 | -63.88 | -13 | -50.88 | -71.81 | -69.44 | 0.92 | 8.62  | V |
|         | 2458 | -58.68 | -13 | -45.68 | -72.28 | -66.03 | 1.14 | 10.64 | V |
|         | 3277 | -56.61 | -13 | -43.61 | -72.49 | -65.10 | 1.32 | 11.96 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.