



# FCC RADIO TEST REPORT

**FCC ID** : B94HNC10CTKR  
**Equipment** : Convertible PC  
**Brand Name** : HP  
**Model Name** : HSN-C10C  
**Applicant** : HP Inc.  
1501 Page Mill Road, Palo Alto CA 94304 USA  
**Standard** : FCC 47 CFR Part 2, 96

The product was received on Sep. 10, 2020 and testing was started from Oct. 13, 2020 and completed on Oct. 14, 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 variant 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 (R.O.C.)



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## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FG082414G  | 01      | Initial issue of report | Oct. 22, 2020 |
|            |         |                         |               |
|            |         |                         |               |
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|            |         |                         |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause   | Test Items                                    | Result (PASS/FAIL) | Remark                                     |
|---------------|-------------------|-----------------------------------------------|--------------------|--------------------------------------------|
| -             | §2.1046           | Conducted Output Power                        | Not Required       | -                                          |
| -             | §96.41            | Peak-to-Average Ratio                         | Not Required       | -                                          |
| -             | §96.41            | Effective Isotropic Radiated Power            | Not Required       | -                                          |
|               |                   | Power Density                                 | Not Required       | -                                          |
| -             | §2.1049<br>§96.41 | Occupied Bandwidth                            | Not Required       | -                                          |
| -             | §2.1051<br>§96.41 | Conducted Band Edge Measurement               | Not Required       | -                                          |
| -             | §2.1051<br>§96.41 | Conducted Spurious Emission                   | Not Required       | -                                          |
| -             | §2.1055           | Frequency Stability for Temperature & Voltage | Not Required       | -                                          |
| 3.4           | §2.1051<br>§96.41 | Radiated Spurious Emission                    | Pass               | Under limit<br>8.82 dB at<br>28406.000 MHz |

**Note:**

1. Not required means after assessing, test items are not necessary to carry out.
2. This is a variant report by changing CPU and Model name. All the test cases were performed on original report which can be referred to Sporton Report Number FG030918-03F.

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

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: Celery Wei**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, and GNSS.

| Product Specification subjective to this standard |                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WWAN Module</b>                                | Brand Name: FOXCONN<br>Model Name: T99W175                                                                                                                                                                                                                                            |
| <b>Antenna Type</b>                               | WWAN<br><Ant. 1>: PIFA Antenna<br><Ant. 2>: PIFA Antenna (Rx Only)<br><Ant. 3>: PIFA Antenna<br><Ant. 4>: PIFA Antenna (Rx Only)<br>WLAN<br><Ant. 1>: PIFA Antenna<br><Ant. 2>: PIFA Antenna<br>Bluetooth: PIFA Antenna<br>GPS/Glonass/BDS/Galileo: PIFA Antenna<br>NFC: Loop Antenna |

| WWAN Antenna Information NB Mode                    |                      |              |                               |
|-----------------------------------------------------|----------------------|--------------|-------------------------------|
| Antenna Part Number                                 | Manufacture          | Antenna Type | Peak Gain (dBi)               |
| Tx1 Antenna<br>WA-P-LTE15-02-003<br>(DC33002DU00)   | INPAQ<br>Corporation | PIFA         | 824-849MHz -0.77 dBi (peak)   |
|                                                     |                      |              | 880-915MHz -0.92 dBi (peak)   |
|                                                     |                      |              | 1710-1785MHz 0.56 dBi (peak)  |
|                                                     |                      |              | 1850-1910MHz 1.28 dBi (peak)  |
|                                                     |                      |              | 1920-1980MHz 0.7 dBi (peak)   |
|                                                     |                      |              | 704-716MHz -2.03 dBi (peak)   |
|                                                     |                      |              | 746-756MHz -0.33 dBi (peak)   |
|                                                     |                      |              | 777-787MHz 0.44 dBi (peak)    |
|                                                     |                      |              | 832-862MHz -0.84 dBi (peak)   |
|                                                     |                      |              | 1710-1755MHz 0.67 dBi (peak)  |
|                                                     |                      |              | 2500-2570MHz -0.31 dBi (peak) |
|                                                     |                      |              | 2570-2620MHz 0.21 dBi (peak)  |
|                                                     |                      |              | 2300-2400MHz -0.27 dBi (peak) |
| MIMO3 Antenna<br>WA-P-LTE16-02-002<br>(DC33002DU30) | INPAQ<br>Corporation | PIFA         | 1930-1990MHz 0.73 dBi (peak)  |
|                                                     |                      |              | 2110-2170MHz 1.3 dBi (peak)   |
|                                                     |                      |              | 2132-2155MHz 0.78 dBi (peak)  |
|                                                     |                      |              | 2300-2400MHz 1.17 dBi (peak)  |

| WWAN Antenna Information TB Mode                    |                      |              |                               |
|-----------------------------------------------------|----------------------|--------------|-------------------------------|
| Antenna Part Number                                 | Manufacture          | Antenna Type | Peak Gain (dBi)               |
| Tx1 Antenna<br>WA-P-LTE15-02-003<br>(DC33002DU00)   | INPAQ<br>Corporation | PIFA         | 824-849MHz -2.79 dBi (peak)   |
|                                                     |                      |              | 880-915MHz -2.16 dBi (peak)   |
|                                                     |                      |              | 1710-1785MHz -1.2 dBi (peak)  |
|                                                     |                      |              | 1850-1910MHz -1.69 dBi (peak) |
|                                                     |                      |              | 1920-1980MHz -1.5 dBi (peak)  |
|                                                     |                      |              | 704-716MHz -4.27 dBi (peak)   |
|                                                     |                      |              | 746-756MHz -4.65 dBi (peak)   |
|                                                     |                      |              | 777-787MHz -4.36 dBi (peak)   |
|                                                     |                      |              | 832-862MHz -2.15 dBi (peak)   |
|                                                     |                      |              | 1710-1755MHz -1.19 dBi (peak) |
|                                                     |                      |              | 2500-2570MHz 0.16 dBi (peak)  |
|                                                     |                      |              | 2570-2620MHz 0.17 dBi (peak)  |
|                                                     |                      |              | 2300-2400MHz -1.81 dBi (peak) |
| MIMO3 Antenna<br>WA-P-LTE16-02-002<br>(DC33002DU30) | INPAQ<br>Corporation | PIFA         | 1930-1990MHz -2 dBi (peak)    |
|                                                     |                      |              | 2110-2170MHz -1.69 dBi (peak) |
|                                                     |                      |              | 2132-2155MHz -1.69 dBi (peak) |
|                                                     |                      |              | 2300-2400MHz 2.82 dBi (peak)  |

## 1.2 Modification of EUT

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



### 1.3 Testing Location

|                           |                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                                       |
| <b>Test Site Location</b> | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                   |
|                           | 03CH12-HY                                                                                                                                 |
| <b>Test Engineer</b>      | Jack Cheng, Lance Chiang and Chuan Chu                                                                                                    |
| <b>Temperature</b>        | 22.8~26.2℃                                                                                                                                |
| <b>Relative Humidity</b>  | 56.5~68.6%                                                                                                                                |

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

FCC Designation No.: TW0007

### 1.4 Applied Standards

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

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

**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

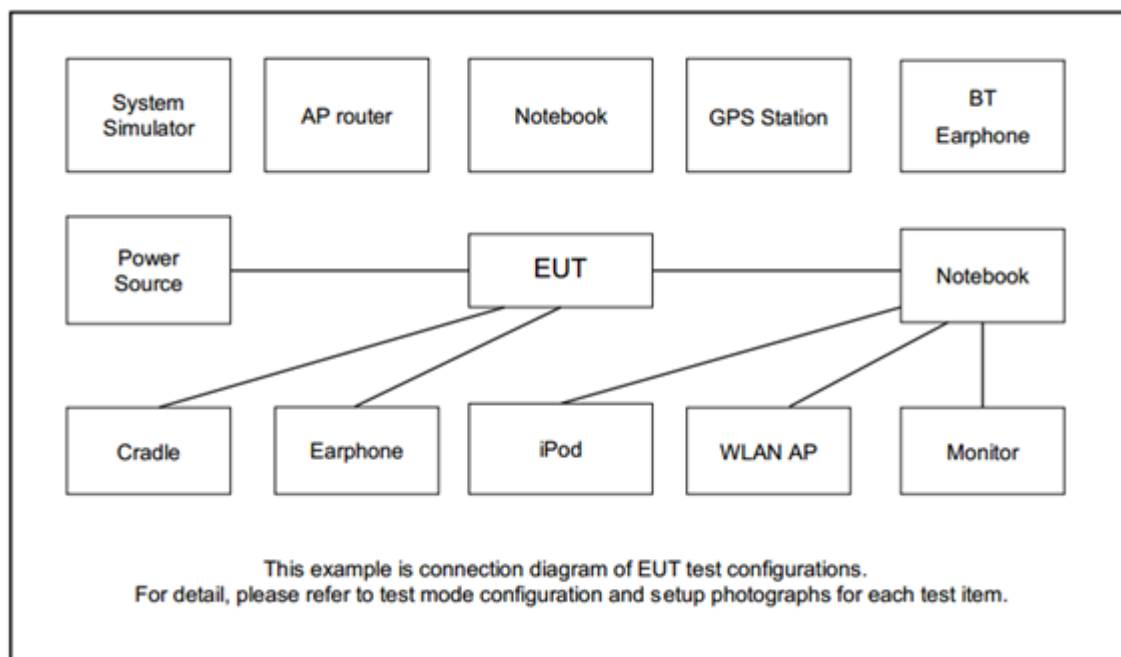
### 2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in Tablet Type (three orthogonal panels, X, Y, Z) and Notebook Type. The worst cases (Notebook Type) were recorded in this report.

| Test Items                 | 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 | 48                                                                                                                                                                                                                                                                                                                                                                                                                                      | -               | - |   |    | v  |    |            |       |       | v      | v    |      |      | v            | v | v |
| Remark                     | <ol style="list-style-type: none"> <li>The mark "v" means that this configuration is chosen for testing</li> <li>The mark "-" means that this bandwidth is not supported.</li> <li>The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.</li> </ol> |                 |   |   |    |    |    |            |       |       |        |      |      |      |              |   |   |

### 2.2 Connection Diagram of Test System





## 2.3 Support Unit used in test configuration

| 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 48 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 15                                     | Channel                | 55315  | 55990  | 56665   |
|                                        | Frequency              | 3557.5 | 3625.0 | 3692.5  |

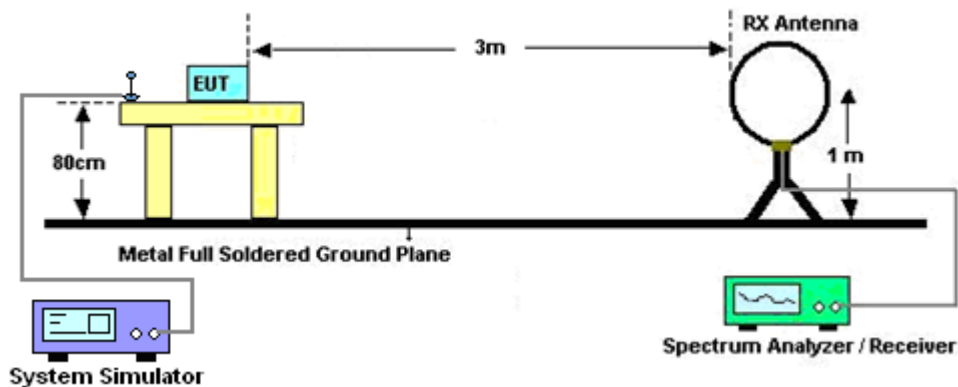
### 3 Radiated Test Items

#### 3.1 Measuring Instruments

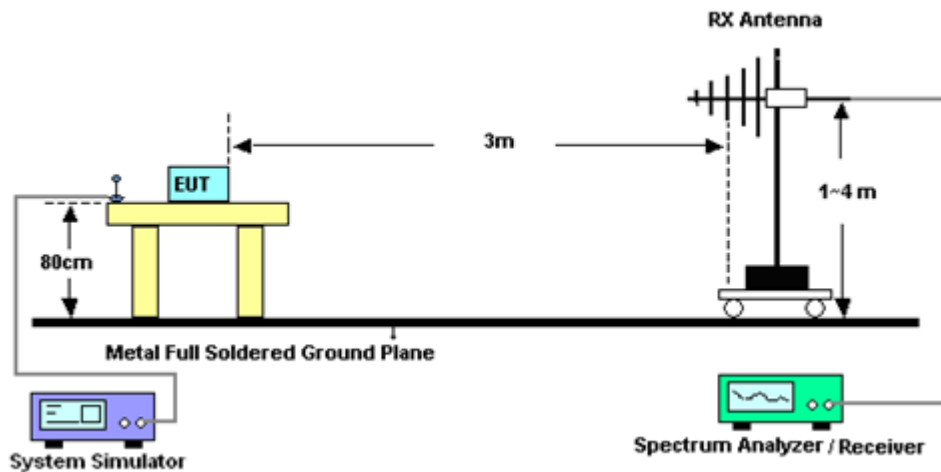
See list of measuring instruments of this test report.

#### 3.2 Test Setup

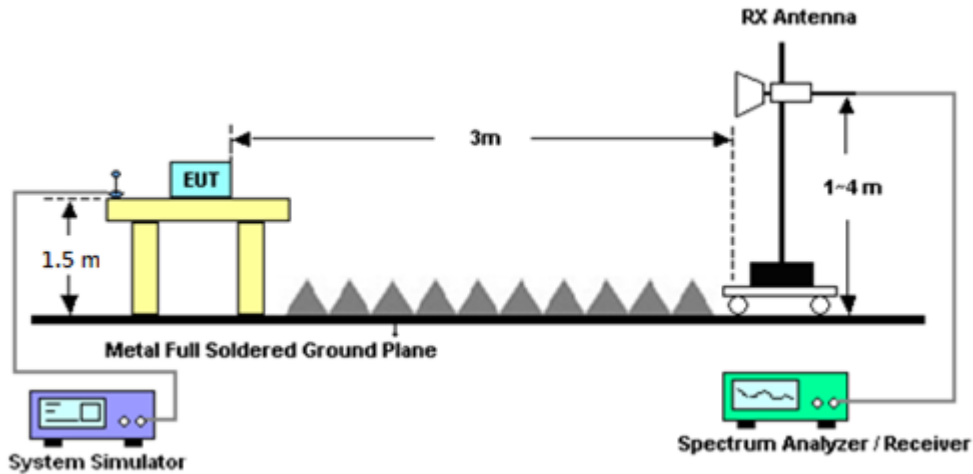
For radiated test below 30MHz



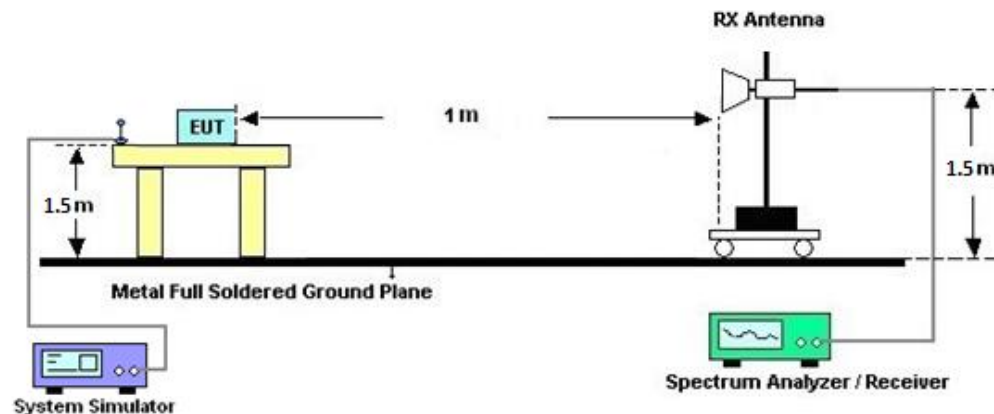
For radiated test from 30MHz to 1GHz



For radiated test 1GHz to 18GHz



For radiated test above 18GHz



### 3.3 Test Result of Radiated Test

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.



### **3.4 Radiated Spurious Emission**

#### **3.4.1 Description of Radiated Spurious Emission Measurement**

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. 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 -40dBm / MHz. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

#### **3.4.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna 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 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.  
$$\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$
$$\text{ERP (dBm)} = \text{EIRP} - 2.15$$
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.  
The limit line is -40dBm/MHz



## 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    | Oct. 13, 2020~<br>Oct. 14, 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    | Oct. 13, 2020~<br>Oct. 14, 2020 | Apr. 28, 2021 | Radiation<br>(03CH12-HY) |
| Horn Antenna            | SCHWARZBE<br>CK   | BBHA 9120 D                       | 9120D-132<br>8       | 1GHz~18GHz                       | Nov. 14, 2019    | Oct. 13, 2020~<br>Oct. 14, 2020 | Nov. 13, 2020 | Radiation<br>(03CH12-HY) |
| Horn Antenna            | SCHWARZBE<br>CK   | BBHA 9120D                        | 9120D-121<br>2       | 1GHz ~ 18GHz                     | May 20, 2020     | Oct. 13, 2020~<br>Oct. 14, 2020 | May 19, 2021  | Radiation<br>(03CH12-HY) |
| SHF-EHF Horn<br>Antenna | SCHWARZBE<br>CK   | BBHA 9170                         | BBHA9170<br>584      | 18GHz~40GHz                      | Dec. 10, 2019    | Oct. 13, 2020~<br>Oct. 14, 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    | Oct. 13, 2020~<br>Oct. 14, 2020 | Jan. 09, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | COM-POWER         | PA-103                            | 161075               | 10MHz~1GHz                       | Mar. 25, 2020    | Oct. 13, 2020~<br>Oct. 14, 2020 | Mar. 24, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | Keysight          | 83017A                            | MY572801<br>20       | 1GHz~26.5GHz                     | Jul. 20, 2020    | Oct. 13, 2020~<br>Oct. 14, 2020 | Jul. 19, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | Jet-Power         | JPA0118-55-3<br>03K               | 171000180<br>0054002 | 1GHz~18GHz                       | Feb. 07, 2020    | Oct. 13, 2020~<br>Oct. 14, 2020 | Feb. 06, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | EMEC              | EM18G40G                          | 060715               | 18GHz~40GHz                      | Dec. 13, 2019    | Oct. 13, 2020~<br>Oct. 14, 2020 | Dec. 12, 2020 | Radiation<br>(03CH12-HY) |
| Spectrum<br>Analyzer    | Agilent           | N9010A                            | MY542004<br>85       | 10Hz~44GHz                       | Feb. 10, 2020    | Oct. 13, 2020~<br>Oct. 14, 2020 | Feb. 09, 2021 | Radiation<br>(03CH12-HY) |
| Signal Generator        | Anritsu           | MG3694C                           | 163401               | 0.1Hz~40GHz                      | Feb. 15, 2020    | Oct. 13, 2020~<br>Oct. 14, 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    | Oct. 13, 2020~<br>Oct. 14, 2020 | Mar. 11, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>126E                  | 0058/126E            | 30MHz~18GHz                      | Dec. 12, 2019    | Oct. 13, 2020~<br>Oct. 14, 2020 | Dec. 11, 2020 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>102                   | 505134/2             | 30MHz~40GHz                      | Feb. 25, 2020    | Oct. 13, 2020~<br>Oct. 14, 2020 | Feb. 24, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>102                   | 800740/2             | 30MHz~40GHz                      | Feb. 25, 2020    | Oct. 13, 2020~<br>Oct. 14, 2020 | Feb. 24, 2021 | Radiation<br>(03CH12-HY) |
| Controller              | EMEC              | EM1000                            | N/A                  | Control Turn<br>table & Ant Mast | N/A              | Oct. 13, 2020~<br>Oct. 14, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Antenna Mast            | EMEC              | AM-BS-4500-<br>B                  | N/A                  | 1m~4m                            | N/A              | Oct. 13, 2020~<br>Oct. 14, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Turn Table              | EMEC              | TT2000                            | N/A                  | 0~360 Degree                     | N/A              | Oct. 13, 2020~<br>Oct. 14, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Software                | Audix             | E3<br>6.2009-8-24                 | RK-00098<br>9        | N/A                              | N/A              | Oct. 13, 2020~<br>Oct. 14, 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<br>Confidence of 95% ( $U = 2U_c(y)$ ) | 3.07 |
|-----------------------------------------------------------------------------|------|

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

|                                                                             |      |
|-----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of<br>Confidence of 95% ( $U = 2U_c(y)$ ) | 3.21 |
|-----------------------------------------------------------------------------|------|

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

|                                                                             |      |
|-----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of<br>Confidence of 95% ( $U = 2U_c(y)$ ) | 3.80 |
|-----------------------------------------------------------------------------|------|



## Appendix A. Test Results of Radiated Test

LTE Band 48

| LTE Band 48 / 15MHz / 256QAM |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                      | Frequency<br>( MHz ) | EIRP<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                       | 7101                 | -56.99          | -40              | -16.99                  | -57.99                  | -66.95                   | 1.77                       | 11.74                       | H                     |
|                              | 10652                | -57.62          | -40              | -17.62                  | -59.89                  | -66.05                   | 2.47                       | 10.90                       | H                     |
|                              | 14203                | -55.58          | -40              | -15.58                  | -62.64                  | -64.42                   | 2.87                       | 11.71                       | H                     |
|                              | 21305                | -54.38          | -40              | -14.38                  | -76.24                  | -71.10                   | 1.98                       | 18.70                       | H                     |
|                              | 24855                | -52.43          | -40              | -12.43                  | -77.09                  | -68.43                   | 2.07                       | 18.07                       | H                     |
|                              | 28406                | -50.29          | -40              | -10.29                  | -75.81                  | -67.53                   | 2.32                       | 19.56                       | H                     |
|                              | 7101                 | -56.61          | -40              | -16.61                  | -58.19                  | -66.57                   | 1.77                       | 11.74                       | V                     |
|                              | 10652                | -56.93          | -40              | -16.93                  | -58.95                  | -65.36                   | 2.47                       | 10.90                       | V                     |
|                              | 14203                | -55.98          | -40              | -15.98                  | -62.77                  | -64.82                   | 2.87                       | 11.71                       | V                     |
|                              | 21305                | -54.37          | -40              | -14.37                  | -76.1                   | -71.09                   | 1.98                       | 18.70                       | V                     |
|                              | 24855                | -51.47          | -40              | -11.47                  | -77.34                  | -67.47                   | 2.07                       | 18.07                       | V                     |
|                              | 28406                | -48.82          | -40              | -8.82                   | -76.15                  | -66.06                   | 2.32                       | 19.56                       | V                     |
| Middle                       | 7236                 | -57.37          | -40              | -17.37                  | -58.37                  | -67.04                   | 1.85                       | 11.52                       | H                     |
|                              | 10855                | -57.83          | -40              | -17.83                  | -60.16                  | -66.16                   | 2.57                       | 10.90                       | H                     |
|                              | 14473.36             | -55.74          | -40              | -15.74                  | -63.01                  | -63.95                   | 2.85                       | 11.06                       | H                     |
|                              | 18088.8              | -53.56          | -40              | -13.56                  | -71.67                  | -69.78                   | 1.76                       | 17.98                       | H                     |
|                              | 21707.4              | -54.88          | -40              | -14.88                  | -76.41                  | -71.67                   | 1.99                       | 18.78                       | H                     |
|                              | 25326                | -52.04          | -40              | -12.04                  | -77.23                  | -68.66                   | 2.14                       | 18.76                       | H                     |
|                              | 7236                 | -52.33          | -40              | -12.33                  | -54.44                  | -62.00                   | 1.85                       | 11.52                       | V                     |
|                              | 10855                | -58.30          | -40              | -18.30                  | -60.43                  | -66.63                   | 2.57                       | 10.90                       | V                     |
|                              | 14473.36             | -56.92          | -40              | -16.92                  | -63.35                  | -65.13                   | 2.85                       | 11.06                       | V                     |
|                              | 18088.8              | -54.87          | -40              | -14.87                  | -72.06                  | -71.09                   | 1.76                       | 17.98                       | V                     |
|                              | 21707.4              | -55.31          | -40              | -15.31                  | -76.83                  | -72.10                   | 1.99                       | 18.78                       | V                     |
|                              | 25326                | -51.14          | -40              | -11.14                  | -77.6                   | -67.76                   | 2.14                       | 18.76                       | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 7371  | -58.29 | -40 | -18.29 | -59.29 | -67.68 | 1.92 | 11.31 | H |
|         | 11057 | -58.26 | -40 | -18.26 | -59.26 | -66.60 | 2.63 | 10.97 | H |
|         | 14743 | -55.07 | -40 | -15.07 | -56.07 | -63.93 | 2.92 | 11.78 | H |
|         | 18429 | -54.91 | -40 | -14.91 | -73.23 | -70.95 | 1.88 | 17.91 | H |
|         | 22115 | -52.71 | -40 | -12.71 | -75    | -69.49 | 2.07 | 18.85 | H |
|         | 25800 | -50.25 | -40 | -10.25 | -76.3  | -67.30 | 2.01 | 19.06 | H |
|         | 7371  | -58.53 | -40 | -18.53 | -59.53 | -67.92 | 1.92 | 11.31 | V |
|         | 11057 | -58.01 | -40 | -18.01 | -59.01 | -66.35 | 2.63 | 10.97 | V |
|         | 14743 | -57.01 | -40 | -17.01 | -58.01 | -65.87 | 2.92 | 11.78 | V |
|         | 18429 | -56.35 | -40 | -16.35 | -73.8  | -72.39 | 1.88 | 17.91 | V |
|         | 22115 | -54.26 | -40 | -14.26 | -76.56 | -71.04 | 2.07 | 18.85 | V |
|         | 25800 | -49.98 | -40 | -9.98  | -77.2  | -67.03 | 2.01 | 19.06 | V |

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

————THE END————