



# FCC RADIO TEST REPORT

**FCC ID** : LHJ-FE5NA0010  
**Equipment** : FE5NA0010, FE5NA0011  
**Brand Name** : Continental  
**Model Name** : FE5NA0010, FE5NA0011  
**Applicant** : Continental Automotive Systems, Inc.  
21440 W Lake Cook Rd., Deer Park, IL 60010, USA  
**Manufacturer** : Continental Automotive Systems, Inc.  
21440 W Lake Cook Rd., Deer Park, IL 60010, USA  
**Standard** : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Nov. 22, 2022 and testing was performed from Jan 17, 2023 to May 02, 2023. 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 from 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 333, Taiwan (R.O.C.)



# Table of Contents

**History of this test report..... 3**

**Summary of Test Result..... 4**

**1 General Description ..... 5**

    1.1 Product Feature of Equipment Under Test ..... 5

    1.2 Product Specification of Equipment Under Test ..... 5

    1.3 Modification of EUT ..... 6

    1.4 Testing Location ..... 7

    1.5 Applicable Standards ..... 7

**2 Test Configuration of Equipment Under Test ..... 8**

    2.1 Test Mode..... 8

    2.2 Connection Diagram of Test System ..... 8

    2.3 Support Unit used in test configuration ..... 9

    2.4 Frequency List of Low/Middle/High Channels..... 9

**3 Conducted Test Result ..... 10**

    3.1 Measuring Instruments..... 10

    3.2 Conducted Output Power and ERP/EIRP ..... 11

**4 Radiated Test Items ..... 12**

    4.1 Measuring Instruments..... 12

    4.2 Test Setup ..... 12

    4.3 Test Result of Radiated Test..... 13

    4.4 Field Strength of Spurious Radiation Measurement ..... 14

**5 List of Measuring Equipment..... 15**

**6 Measurement Uncertainty ..... 17**

**Appendix A. Test Results of Conducted Test**

**Appendix B. Test Results of Radiated Test**

**Appendix C. Test Setup Photographs**



### History of this test report

Report No.	Version	Description	Issue Date
FG2N2201-02A	01	Initial issue of report	May 05, 2023
FG2N2201-02A	02	Revise summary remark and Product Specification of Equipment Under Test This report is an updated version, replacing the report issued on May 05, 2023.	May 08, 2023



### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5)	Effective Radiated Power (WCDMA Band V)		
	§24.232 (c)	Equivalent Isotropic Radiated Power (WCDMA Band II)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (WCDMA Band IV)		
-	§24.232 (d)	Peak-to-Average Ratio	Not Required	-
-	§2.1049 §22.917 (b) §24.238 (b) §27.53 (g)	Occupied Bandwidth (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Not Required	-
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Band Edge Measurement (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Not Required	-
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Conducted Emission (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Not Required	-
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Not Required	-
4.4	§2.1053 §22.917 (a) §24.238 (a) §27.53 (h)	Field Strength of Spurious Radiation (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	40.54 dB under the limit at 3345.000 MHz

**Remark:**

- Not required means after assessing, test items are not necessary to carry out.
- This is a variant report by adding external antenna (Model: 42862900). All the test cases were performed on original report which can be referred to Sporton Report Number FG2N2201-01A. Based on the original report, only worst case was verified.
- The FG2N2201-02A report reuses Conducted output power from the FG2N2201A report.

**Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Yun Huang**

**Report Producer: Doris Chen**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	FE5NA0010, FE5NA0011
Brand Name	Continental
Model Name	FE5NA0010, FE5NA0011
FCC ID	LHJ-FE5NA0010
Installed into the Host	Equipment name: G12N510G1, G12N500G1 Brand name: Continental Model name: G12N510G1, G12N500G1
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS
EUT Stage	Identical Prototype

Sample Information			
Sample	TA-code	L2/L5 GNSS	Band Difference
1	FE5NA0010	Support	/
2	FE5NA0011	Not Support	BOM change: depopulated passive components from the GNSS RF front-end

Remark: The above EUT's information was declared by manufacturer.

## 1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	<b>WCDMA:</b> Band V: 826.4 MHz ~ 846.6 MHz Band II: 1852.4 MHz ~ 1907.6 MHz Band IV: 1712.4 MHz ~ 1752.6 MHz
Rx Frequency	<b>WCDMA:</b> Band V: 871.4 MHz ~ 891.6 MHz Band II: 1932.4 MHz ~ 1987.6 MHz Band IV: 2112.4 MHz ~ 2152.6 MHz
Maximum Output Power to Antenna	<b>WCDMA:</b> Band V: 23.11 dBm Band II: 22.68 dBm Band IV: 23.00 dBm



Product Specification is subject to this standard	
Antenna Type	<External (Model: 42862900) >: external sharkfin antenna, sharkfin NA 5G+Single GNSS+XM <Internal >: TCP Antenna
Antenna Gain	<External (Model: 42862900) >: Cellular Band: 2.0 dBi PCS Band: 2.8 dBi AWS Band: -1.1 dBi <Internal>: Cellular Band: 4.69 dBi PCS Band: 5.15 dBi AWS Band: 4.86 dBi
Type of Modulation	WCDMA: QPSK (Uplink) HSDPA: 64QAM (Downlink) HSUPA: QPSK (Uplink)

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

### 1.3 Modification of EUT

No modifications made to the EUT during the testing.



### 1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	<b>Sporton Site No.</b> TH03-HY
Test Engineer	Cotty Hsu and Luffy Lin
Temperature (°C)	22.1~22.8
Relative Humidity (%)	53~55

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	<b>Sporton Site No.</b> 03CH12-HY (TAF Code:3786)
Test Engineer	Jesse Fan, Tim Lee and Wilson Wu
Temperature (°C)	20~25
Relative Humidity (%)	50~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

### 1.5 Applicable Standards

According to the specifications declared by 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, 22(H), 24(E), 27(L)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

**Remark:**

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. 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 were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 9000 MHz for WCDMA Band V
2. 30 MHz to 18000 MHz for WCDMA Band IV
3. 30 MHz to 19100 MHz for WCDMA Band II

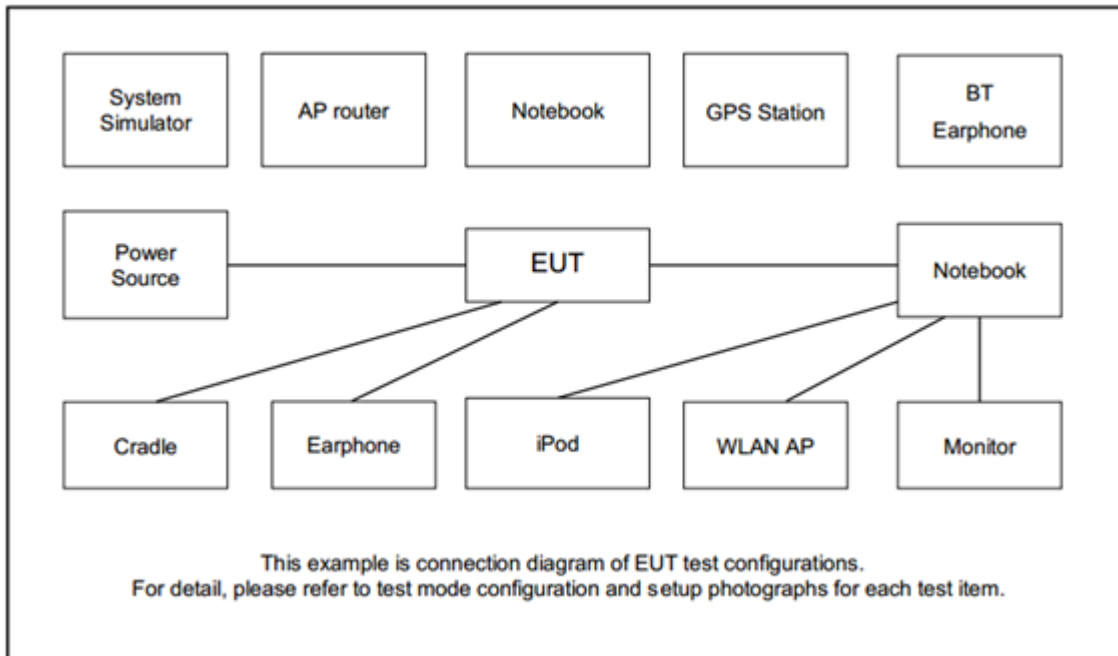
All modes, data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	Radiated TCs	Conducted TCs
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band II	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band IV	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

Remark: All the radiated test cases were performed with Sample 1.

### 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.	Sharkfin Antenna	Amphenol	42862900	N/A	N/A	Unshielded, 1.8 m
2.	Metal Plate	N/A	N/A	N/A	N/A	Unshielded, 1.8 m
3.	Adapter	TePoo	PT-WC-03	N/A	N/A	N/A
4.	Teddy Jr Load Box	Continental	N/A	N/A	N/A	N/A
5.	DC Power Supply	GW Instek	SP-606	N/A	N/A	N/A
6.	System Simulator	Anritsu	MT8821C	N/A	N/A	N/A

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

Frequency List				
Band	Channel/Frequency(MHz)	Lowest	Middle	Highest
WCDMA Band V	Channel	4132	4182	4233
	Frequency	826.4	836.4	846.6
WCDMA Band II	Channel	9262	9400	9538
	Frequency	1852.4	1880.0	1907.6
WCDMA Band IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

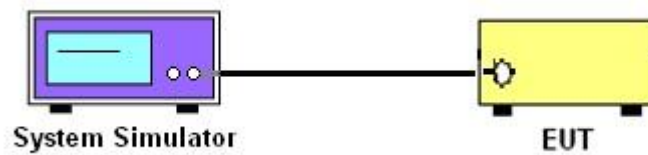
### 3 Conducted Test Result

#### 3.1 Measuring Instruments

Please refer to the measuring equipment list in this test report.

##### 3.1.1 Test Setup

##### 3.1.2 Conducted Output Power



##### 3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



## 3.2 Conducted Output Power and ERP/EIRP

### 3.2.1 Description of the Conducted Output Power and ERP/EIRP

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for WCDMA Band V

The EIRP of mobile transmitters must not exceed 2 Watts for WCDMA Band II

The EIRP of mobile transmitters must not exceed 1 Watts for WCDMA Band IV

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna in dB

### 3.2.2 Test Procedures

1. The transmitter output port is connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select the lowest, middle, and the highest channels for each band and different modulation.
4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.

## 4 Radiated Test Items

### 4.1 Measuring Instruments

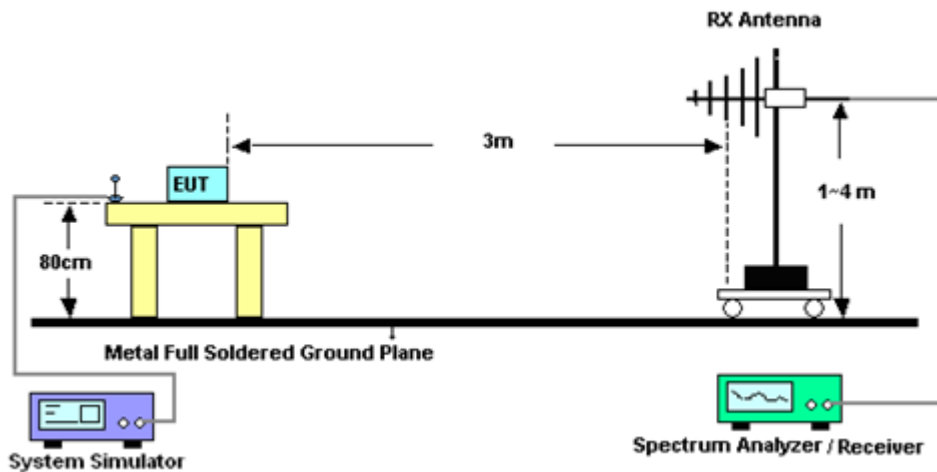
Please refer to the measuring equipment list in this test report.

### 4.2 Test Setup

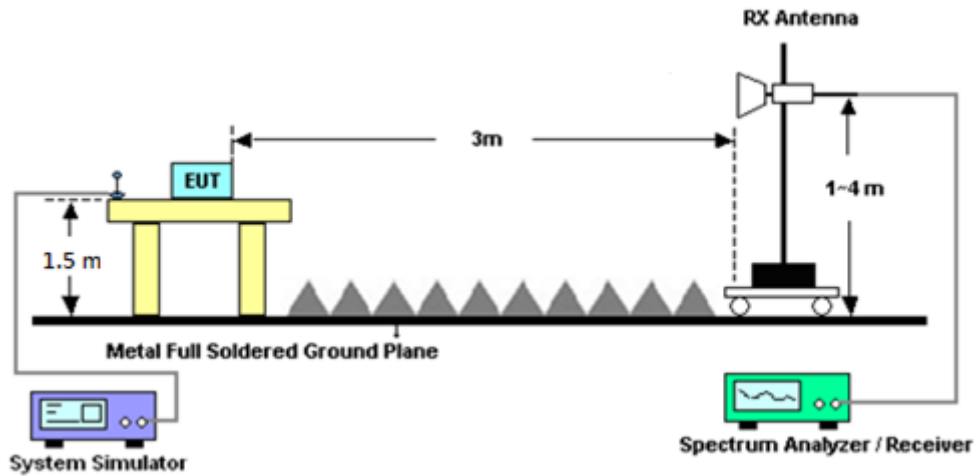
For radiated test below 30MHz



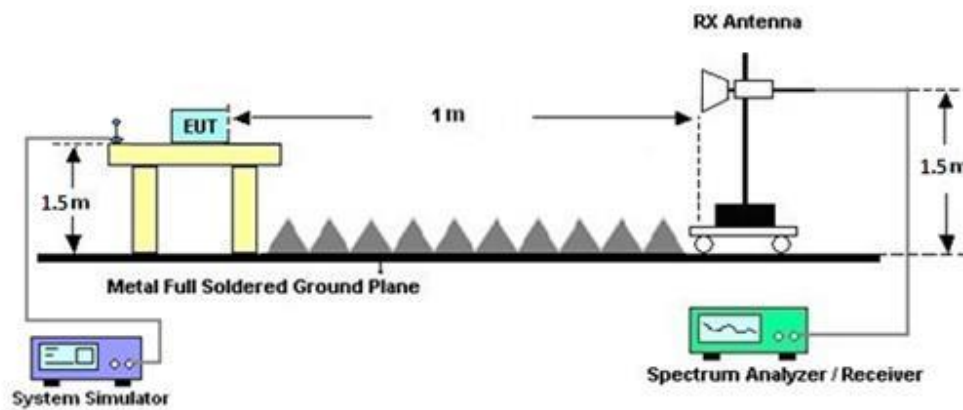
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



### 4.3 Test Result of Radiated Test

Please refer to Appendix B.

**Note:**

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

There is adequate comparison measurement 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.



## 4.4 Field Strength of Spurious Radiation Measurement

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

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  $43 + 10 \log (P)$  dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### 4.4.2 Test Procedures

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

1. The EUT is placed on a rotatable wooden table 0.8 meters for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz above the ground.
2. The EUT is set 3 meters away from the receiving antenna, which is mounted on the antenna tower.
3. The table is 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 for the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1 MHz, VBW = 3 MHz, taking record of maximum spurious emission.
6. A horn antenna is substituted in place of the EUT and is driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Take the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10.  $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11.  $ERP (dBm) = EIRP - 2.15$
12. The RF fundamental frequency shall 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)



## 5 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	100488	9 kHz~30 MHz	Sep. 20, 2022	Apr. 24, 2023~ May 02, 2023	Sep. 19, 2023	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N- 06	37059 & 01	30MHz~1GHz	Nov. 10, 2022	Apr. 24, 2023~ May 02, 2023	Nov. 09, 2023	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Aug. 09, 2022	Apr. 24, 2023~ May 02, 2023	Aug. 08, 2023	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2022	Apr. 24, 2023~ May 02, 2023	Nov. 23, 2023	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 03, 2022	Apr. 24, 2023~ May 02, 2023	Oct. 02, 2023	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 24, 2022	Apr. 24, 2023~ May 02, 2023	May 23, 2023	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18G -56-01-A70	EC1900249	1GHz~18GHz	Dec. 21, 2022	Apr. 24, 2023~ May 02, 2023	Dec. 20, 2023	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2022	Apr. 24, 2023~ May 02, 2023	Dec. 06, 2023	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2023	Apr. 24, 2023~ May 02, 2023	Jan. 09, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-1080- 1200-15000-60 SS	SN1	1.2GHz High Pass Filter	Mar. 14, 2023	Apr. 24, 2023~ May 02, 2023	Mar. 13, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700- 3000-18000-60 ST	SN2	3GHz High Pass Filter	Mar. 14, 2023	Apr. 24, 2023~ May 02, 2023	Mar. 13, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5 -6750-18000-40 ST	SN2	6.75GHz High Pass Filter	Mar. 14, 2023	Apr. 24, 2023~ May 02, 2023	Mar. 13, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Apr. 24, 2023~ May 02, 2023	Mar. 06, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 20, 2022	Apr. 24, 2023~ May 02, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 20, 2022	Apr. 24, 2023~ May 02, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 20, 2022	Apr. 24, 2023~ May 02, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210090	N/A	Oct. 03, 2022	Apr. 24, 2023~ May 02, 2023	Oct. 02, 2023	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 24, 2023~ May 02, 2023	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 24, 2023~ May 02, 2023	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 24, 2023~ May 02, 2023	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Apr. 24, 2023~ May 02, 2023	N/A	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 13, 2022	Jan 17, 2023~ Mar. 23, 2023	Oct. 12, 2023	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40°C~90°C	Sep. 07, 2022	Jan 17, 2023~ Mar. 23, 2023	Sep. 06, 2023	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V : 0A~6A	Dec. 29, 2022	Jan 17, 2023~ Mar. 23, 2023	Dec. 28, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 06, 2023	Jan 17, 2023~ Mar. 23, 2023	Jan. 05, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262134933	FR1	Jun. 13, 2022	Jan 17, 2023~ Mar. 23, 2023	Jun. 12, 2023	Conducted (TH03-HY)





## 6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.31 dB
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.25 dB
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.81 dB
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### Appendix A. Test Results of Conducted Test

#### Conducted Output Power(Average power) & ERP / EIRP

WCDMA Band V Maximum Average Power [dBm] (GT - LC = 2 dB)							
Channel	4132	4182	4233	ERP (dBm)	ERP (W)		
Frequency	826.4	836.4	846.6				
RMC 12.2K	23.11	23.00	23.03	22.96	0.1977		
HSDPA Subtest-1	22.13	22.06	22.05				
HSDPA Subtest-2	22.10	22.11	22.05				
HSDPA Subtest-3	21.61	21.58	21.55				
HSDPA Subtest-4	21.59	21.56	21.55				
HSUPA Subtest-1	22.10	22.05	21.95				
HSUPA Subtest-2	20.10	20.00	20.00				
HSUPA Subtest-3	21.12	21.03	20.97				
HSUPA Subtest-4	20.09	20.02	19.99				
HSUPA Subtest-5	22.10	22.00	22.00				
Limit	ERP < 7W					Result	Pass

WCDMA Band II Maximum Average Power [dBm] (GT - LC = 2.8 dB)							
Channel	9262	9400	9538	EIRP (dBm)	EIRP (W)		
Frequency	1852.4	1880	1907.6				
RMC 12.2K	22.68	22.59	22.65	25.48	0.3532		
HSDPA Subtest-1	21.66	21.61	21.66				
HSDPA Subtest-2	21.72	21.63	21.61				
HSDPA Subtest-3	21.20	21.11	21.11				
HSDPA Subtest-4	21.20	21.11	21.13				
HSUPA Subtest-1	21.70	21.64	21.63				
HSUPA Subtest-2	19.73	19.55	19.66				
HSUPA Subtest-3	20.67	20.61	20.65				
HSUPA Subtest-4	19.70	19.58	19.64				
HSUPA Subtest-5	21.70	21.60	21.60				
Limit	EIRP < 2W					Result	Pass

WCDMA Band IV Maximum Average Power [dBm] (GT - LC = -1.1 dB)							
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)		
Frequency	1712.4	1732.6	1752.6				
RMC 12.2K	22.98	23.00	22.57	21.90	0.1549		
HSDPA Subtest-1	21.98	22.06	21.58				
HSDPA Subtest-2	22.01	22.06	21.57				
HSDPA Subtest-3	21.15	21.56	21.10				
HSDPA Subtest-4	21.47	21.51	21.05				
HSUPA Subtest-1	21.97	21.99	21.58				
HSUPA Subtest-2	19.98	20.01	19.59				
HSUPA Subtest-3	20.97	21.00	20.58				
HSUPA Subtest-4	19.99	19.96	19.55				
HSUPA Subtest-5	22.00	21.50	21.60				
Limit	EIRP < 1W					Result	Pass



## Appendix B. Test Results of Radiated Test

<External Antenna>

### WCDMA 850

WCDMA 850									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1653	-60.07	-13	-47.07	-70.57	-66.50	0.81	9.39	H
	2479	-56.96	-13	-43.96	-70.69	-64.12	1.09	10.40	H
	3305	-54.35	-13	-41.35	-71.16	-63.17	1.10	12.08	H
									H
									H
									H
									H
	1653	-58.53	-13	-45.53	-68.96	-64.96	0.81	9.39	V
	2479	-57.17	-13	-44.17	-70.95	-64.33	1.09	10.40	V
	3305	-54.25	-13	-41.25	-71.36	-63.07	1.10	12.08	V
									V
									V
									V
									V
Middle	1673	-59.82	-13	-46.82	-70.37	-66.31	0.81	9.46	H
	2509	-56.56	-13	-43.56	-70.36	-63.85	1.11	10.55	H
	3345	-54.22	-13	-41.22	-71.07	-63.26	1.10	12.30	H
									H
									H
									H
									H
	1673	-59.55	-13	-46.55	-70.07	-66.04	0.81	9.46	V
	2509	-56.87	-13	-43.87	-70.73	-64.16	1.11	10.55	V
	3345	-53.54	-13	-40.54	-70.7	-62.58	1.10	12.30	V
									V
									V
									V
									V
								V	



Highest	1693	-59.55	-13	-46.55	-70.14	-66.11	0.81	9.53	H
	2540	-56.45	-13	-43.45	-70.5	-63.91	1.09	10.70	H
	3386	-54.21	-13	-41.21	-71.1	-63.48	1.10	12.52	H
									H
									H
									H
									H
	1693	-57.84	-13	-44.84	-68.43	-64.40	0.81	9.53	V
	2540	-56.61	-13	-43.61	-70.74	-64.07	1.09	10.70	V
	3386	-54.06	-13	-41.06	-71.28	-63.33	1.10	12.52	V
									V
									V
									V
									V

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