



# FCC RADIO TEST REPORT

**FCC ID** : P4Q-N672B  
**Equipment** : LTE Module  
**Brand Name** : MITAC, MIO, Magellen, Teletrac Navman  
**Model Name** : SC600T-NA  
**Applicant** : Mitac Digital Technology Corp.  
4F., NO. 1, R&D Road 2, Hsinchu Science Park,  
30076 Hsinchu, TAIWAN, R.O.C.  
**Manufacturer** : Mitac Digital Technology Corp.  
4F., NO. 1, R&D Road 2, Hsinchu Science Park,  
30076 Hsinchu, TAIWAN, R.O.C.  
**Standard** : FCC 47 CFR Part 2, and 90(S)

The product was received on May 30, 2022 and testing was performed from Jun. 23, 2022 to Jun. 24, 2022. 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.

*Louis Wu*

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.)



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### History of this test report

Report No.	Version	Description	Issued Date
FG000714-06D	01	Initial issue of report	Jul. 21, 2022
FG000714-06D	02	Revise Summary of Test Result, Product Feature of Equipment Under Test and Test Mode remark	Jul. 27, 2022



### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046 §90.635	Conducted Output Power and Effective Radiated Power	Pass	-
-	-	Peak-to-Average Ratio	Not Required	-
-	§2.1049 §90.209	Occupied Bandwidth and 26dB Bandwidth	Not Required	-
-	§2.1051 §90.691	Emission masks – In-band emissions	Pass	-
-	§2.1051 §90.691	Emission masks – Out of band emissions	Not Required	-
-	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	Not Required	-
3.3	§2.1053 §90.691	Field Strength of Spurious Radiation	Pass	Under limit 12.94 dB at 2448.000 MHz

**Note:**

1. Not required means after assessing, test items are not necessary to carry out.
2. This is a variant report by adding SKU. All the test cases were performed on original report which can be referred to Sporton Report Number FG0D1806D. Based on the original report, the test cases were verified.

**Declaration of Conformity:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".

**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: Yun Huang**

**Report Producer: Clio Lo**



# 1 General Description

## 1.1 Feature of Equipment Under Test

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

Product Feature	
Sample 1	EUT with Host 1
Sample 2	EUT with Host 2
Sample 3	EUT with Host 3
Sample 4	EUT with Host 4
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass : Patch Antenna
Antenna Gain	LTE Band 26 : -4.7 dBi

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

The product was installed into Tablet (Brand Name: MITAC,MIO, Magellen,Teletrac Navman, Model Name: N672B) during test, and the host information was recorded in the following table.

Host Information	
Host 1	Host with SKU A
Host 2	Host with SKU B
Host 3	Host with SKU E
Host 4	Host with SKU F

Functions	SKU A	SKU B
Screen	5" 720x1280 (HD), IPS, 350nits (w/ touch)	5" 720x1280 (HD), IPS, 350nits (w/ touch)
CPU	SD625 octa core 2.0GHz	SD625 octa core 2.0GHz
Battery	4110mAh (hard pack)	4110mAh (hard pack)
RAM	3GB	3GB
Storage	32GB	32GB
External storage	Support	Support
WWAN + WLAN Module	Support (SC600T-NA)	Support (SC600T-NA)
NFC/RFID(HF)	Support	Support
GPS	Support	Support
Barcode	Support(N6603)	Support(N3601)



Functions	SKU C	SKU D
Screen	5" 720x1280 (HD), IPS, 350nits (w/ touch)	5" 720x1280 (HD), IPS, 350nits (w/ touch)
CPU	SD625 octa core 2.0GHz	SD625 octa core 2.0GHz
Battery	4110mAh (hard pack)	4110mAh (hard pack)
RAM	2GB	2GB
Storage	16GB	16GB
External storage	Support	Support
WWAN + WLAN Module	Support (SC600T-NA)	Support (SC600T-NA)
NFC/RFID(HF)	Support	Support
GPS	Support	Support
Barcode	Support(N6603)	Support(N3601)

Functions	SKU E	SKU F
Screen	5" 720x1280 (HD), IPS, 350nits (w/ touch)	5" 720x1280 (HD), IPS, 350nits (w/ touch)
CPU	SD625 octa core 2.0GHz	SD625 octa core 2.0GHz
Battery	4110mAh (hard pack)	4110mAh (hard pack)
RAM	3GB	3GB
Storage	32GB	32GB
External storage	Support	Support
WWAN + WLAN Module	Support (SC600T-NA)	Support (SC600T-NA)
NFC/RFID(HF)	Support	Not Support
GPS	Support	Support
Barcode	Not Support	Not Support

## 1.2 Modification of EUT

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



### 1.3 Testing Site

<b>Test Site</b>	Sporton International Inc. EMC & Wireless Communications Laboratory	
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	03CH07-HY	TH03-HY
<b>Test Engineer</b>	Stan Hsieh and Ken Wu	HaoEn Zhang
<b>Temperature (°C)</b>	24.3 ~29.5	21.6~23.5
<b>Relative Humidity (%)</b>	57.4~63.7	52.4~53.8

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

FCC Designation No.: TW1190

### 1.4 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 412172 D01 Determining ERP and EIRP v01r01
- ♦ 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

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

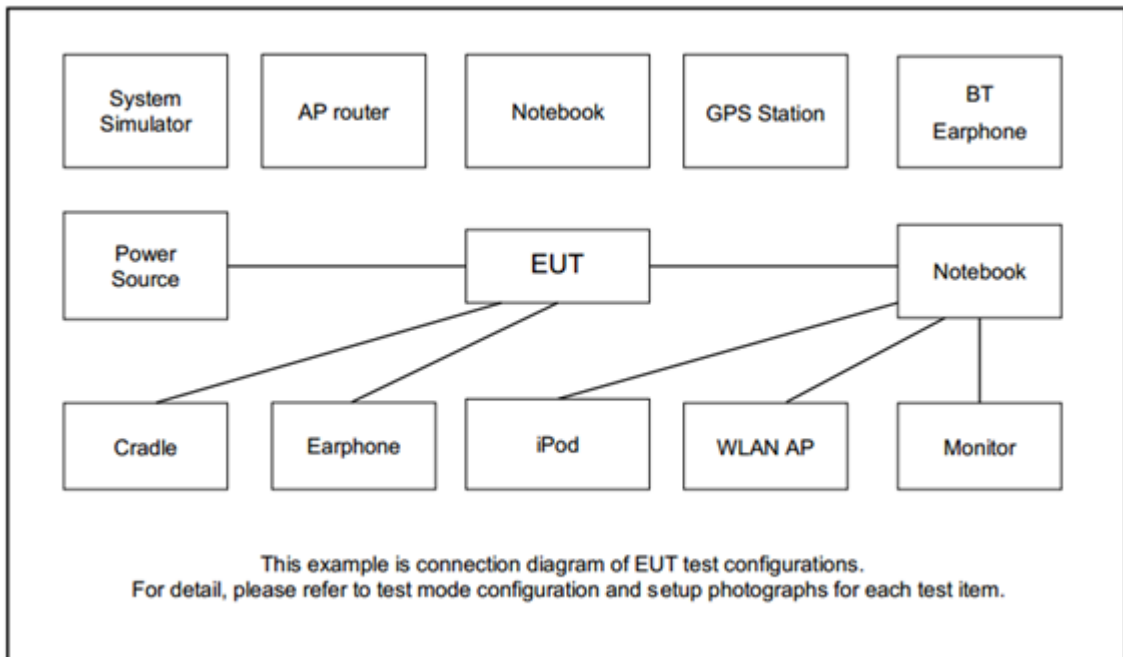
For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find Z Plane as worst plane.

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	1	Half	Full	L	M	H
Max. Output Power	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
E.R.P.	26	v	v	v	v	v	-				Max. Power					
Radiated Spurious Emission	26					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>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.</li> <li>All the radiated test cases were performed with Sample 4.</li> </ol>															



## 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
15	Channel	26765	-	-
	Frequency	821.5	-	-
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	-	cross-rule channels	-
15	Channel	-	26790	-
	Frequency	-	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-

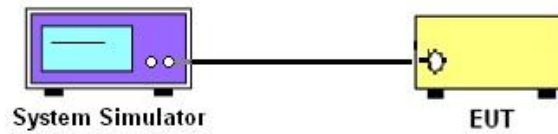
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

See list of measuring instruments of 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 Measurement and ERP Measurement

### 3.2.1 Description of the Conducted Output Power Measurement and ERP Measurement

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 conducted output power of mobile transmitters must not exceed 100 Watts for LTE Band 26.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ , 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 was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



### 3.3 Field Strength of Spurious Radiation Measurement

#### 3.3.1 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.

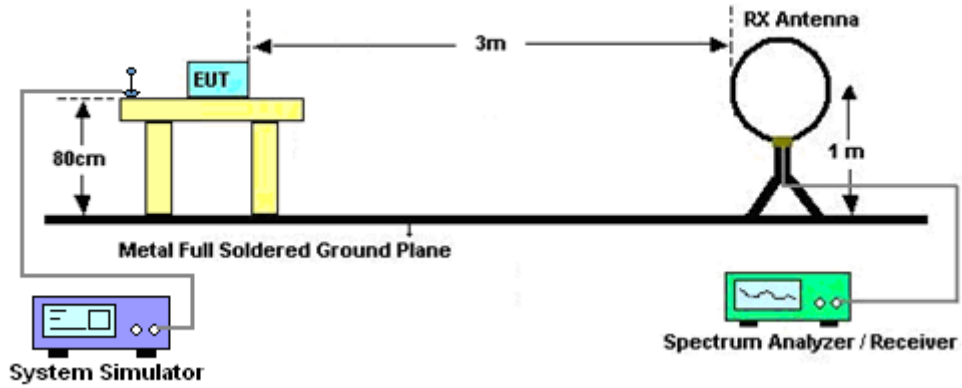
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43+10\log_{10}(P[\text{Watts}])$  dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

#### 3.3.2 Test Procedures

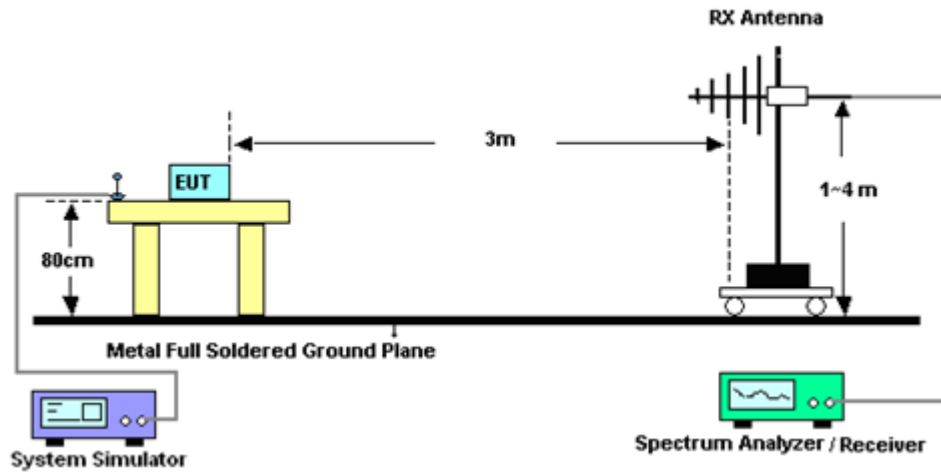
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position 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 below 1GHz, make the measurement with the spectrum analyzer's RBW = 100 kHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. 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.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11.  $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
12.  $\text{ERP (dBm)} = \text{EIRP} - 2.15$
13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
14. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)

### 3.3.3 Test Setup

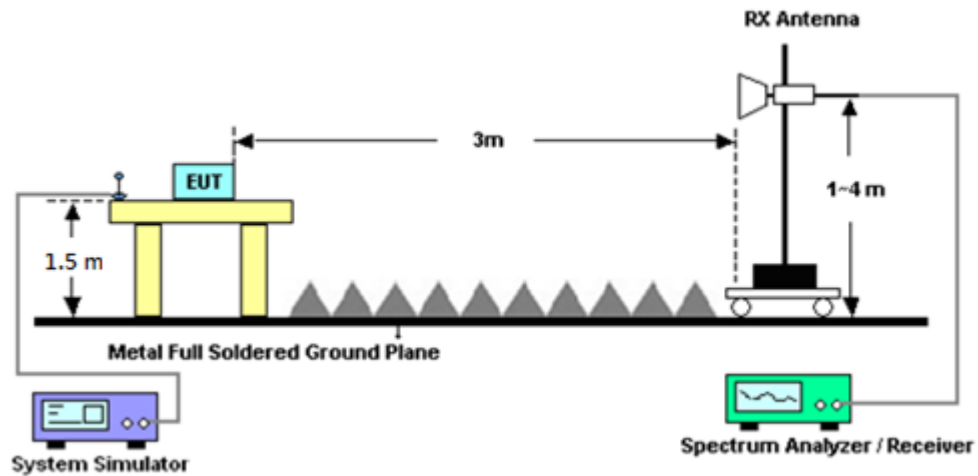
For radiated test below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



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

Please refer to Appendix B.

**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 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 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 24, 2022	Jun. 23, 2022~Jun. 24, 2022	Apr. 23, 2023	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 07, 2022	Jun. 23, 2022~Jun. 24, 2022	Jan. 06, 2023	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 03, 2021	Jun. 23, 2022~Jun. 24, 2022	Dec. 02, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	Jun. 23, 2022~Jun. 24, 2022	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 04, 2021	Jun. 23, 2022~Jun. 24, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 04, 2021	Jun. 23, 2022~Jun. 24, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2021	Jun. 23, 2022~Jun. 24, 2022	Jul. 21, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 23, 2022	Jun. 23, 2022~Jun. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 23, 2022	Jun. 23, 2022~Jun. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 23, 2022	Jun. 23, 2022~Jun. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 17, 2021	Jun. 23, 2022~Jun. 24, 2022	Sep. 16, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 14, 2022	Jun. 23, 2022~Jun. 24, 2022	Apr. 13, 2023	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Jun. 23, 2022~Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Jun. 23, 2022~Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Jun. 23, 2022~Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Jun. 23, 2022~Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Jun. 23, 2022~Jun. 24, 2022	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 07, 2022	Jun. 23, 2022~Jun. 24, 2022	Mar. 06, 2023	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Oct. 09, 2021	Jun. 23, 2022~Jun. 24, 2022	Oct. 08, 2022	Radiation (03CH07-HY)
Horn Antenna	EMCO	3117	00143261	1GHz~18GHz	Feb. 11, 2022	Jun. 23, 2022~Jun. 24, 2022	Feb. 10, 2023	Radiation (03CH07-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	Dec. 08, 2021	Jun. 23, 2022~Jun. 24, 2022	Dec. 07, 2022	Radiation (03CH07-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6201664755	2/3/4G/LTE FDD/TDD with44)/LTE-3C C DLCA/2CC ULCA, CatM1/NB1/NB2	Jul. 21, 2021	Jun. 24, 2022	Jul. 20, 2022	Conducted (TH03-HY)





## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.16 dB
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.71 dB
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## Appendix A. Test Results of Conducted Test

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

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.34	-	-	15.53	0.0357
15	1	37		22.38	-	-		
15	1	74		22.32	-	-		
15	36	0		21.53	-	-		
15	36	20		21.28	-	-		
15	36	39		21.22	-	-		
15	75	0		21.33	-	-		
15	1	0	16-QAM	21.50	-	-	14.65	0.0292
15	1	37		21.31	-	-		
15	1	74		21.46	-	-		
15	36	0		20.52	-	-		
15	36	20		20.19	-	-		
15	36	39		20.17	-	-		
15	75	0		20.27	-	-		
15	1	0	64-QAM	21.40	-	-	14.55	0.0285
15	1	37		21.13	-	-		
15	1	74		21.03	-	-		
15	36	0		20.51	-	-		
15	36	20		20.20	-	-		
15	36	39		20.15	-	-		
15	75	0		20.07	-	-		
Limit	Power < 100W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.47	-	15.62	0.0365
10	1	25		-	22.41	-		
10	1	49		-	22.34	-		
10	25	0		-	21.45	-		
10	25	12		-	21.37	-		
10	25	25		-	21.19	-		
10	50	0		-	21.37	-		
10	1	0	16-QAM	-	21.55	-	14.70	0.0295
10	1	25		-	21.30	-		
10	1	49		-	21.45	-		
10	25	0		-	20.51	-		
10	25	12		-	20.20	-		
10	25	25		-	20.15	-		
10	50	0		-	20.26	-		
10	1	0	64-QAM	-	21.36	-	14.51	0.0282
10	1	25		-	21.18	-		
10	1	49		-	20.94	-		
10	25	0		-	20.51	-		
10	25	12		-	20.19	-		
10	25	25		-	20.16	-		
10	50	0		-	20.17	-		
Limit	Power < 100W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.26	22.32	22.29	15.54	0.0358
5	1	12		22.33	22.26	22.39		
5	1	24		22.21	22.22	22.21		
5	12	0		21.47	21.51	21.48		
5	12	7		21.25	21.26	21.16		
5	12	13		21.04	21.05	20.98		
5	25	0		21.17	21.18	21.16		
5	1	0	16-QAM	21.37	21.29	21.35	14.53	0.0284
5	1	12		21.16	21.14	21.07		
5	1	24		21.33	21.25	21.38		
5	12	0		20.40	20.49	20.44		
5	12	7		20.10	20.06	20.13		
5	12	13		20.11	20.19	20.02		
5	25	0		20.13	20.20	20.13		
5	1	0	64-QAM	21.17	21.16	21.23	14.38	0.0274
5	1	12		21.05	21.05	21.15		
5	1	24		20.92	20.99	20.96		
5	12	0		20.45	20.55	20.54		
5	12	7		20.12	20.15	20.04		
5	12	13		20.06	20.05	20.01		
5	25	0		19.99	19.89	19.91		
Limit	Power < 100W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.20	22.20	22.27	15.42	0.0348
3	1	8		22.27	22.26	22.25		
3	1	14		22.17	22.21	22.09		
3	8	0		21.45	21.41	21.40		
3	8	4		21.18	21.13	21.17		
3	8	7		21.08	21.07	21.07		
3	15	0		21.25	21.29	21.19		
3	1	0	16-QAM	21.39	21.46	21.48	14.63	0.0290
3	1	8		21.15	21.11	21.20		
3	1	14		21.32	21.39	21.23		
3	8	0		20.50	20.45	20.52		
3	8	4		20.02	19.97	20.04		
3	8	7		20.12	20.16	20.12		
3	15	0		20.14	20.20	20.15		
3	1	0	64-QAM	21.27	21.25	21.32	14.47	0.0280
3	1	8		21.09	21.19	21.02		
3	1	14		20.84	20.89	20.93		
3	8	0		20.47	20.50	20.45		
3	8	4		20.11	20.18	20.20		
3	8	7		20.07	20.09	20.03		
3	15	0		19.95	19.98	19.96		
Limit	Power < 100W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.25	22.34	22.35	15.50	0.0355
1.4	1	3		22.31	22.21	22.32		
1.4	1	5		22.12	22.07	22.05		
1.4	3	0		21.41	21.49	21.31		
1.4	3	1		21.22	21.24	21.12		
1.4	3	3		21.07	21.05	21.02		
1.4	6	0		21.18	21.19	21.22		
1.4	1	0	16-QAM	21.43	21.37	21.50	14.65	0.0292
1.4	1	3		21.21	21.13	21.28		
1.4	1	5		21.31	21.24	21.27		
1.4	3	0		20.41	20.38	20.38		
1.4	3	1		20.03	20.06	20.00		
1.4	3	3		20.15	20.22	20.13		
1.4	6	0		20.19	20.12	20.11		
1.4	1	0	64-QAM	21.33	21.34	21.40	14.55	0.0285
1.4	1	3		21.11	21.21	21.03		
1.4	1	5		20.94	21.00	20.96		
1.4	3	0		20.46	20.52	20.40		
1.4	3	1		20.11	20.11	20.05		
1.4	3	3		20.03	20.13	20.10		
1.4	6	0		19.96	19.97	20.00		
Limit	Power < 100W			Result			Pass	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	22.30	-	15.57	0.0361
15	1	37		-	22.35	-		
15	1	74		-	22.42	-		
15	36	0		-	21.43	-		
15	36	20		-	21.29	-		
15	36	39		-	21.23	-		
15	75	0		-	21.28	-		
15	1	0	16-QAM	-	21.41	-	14.66	0.0292
15	1	37		-	21.31	-		
15	1	74		-	21.51	-		
15	36	0		-	20.44	-		
15	36	20		-	20.11	-		
15	36	39		-	20.22	-		
15	75	0		-	20.30	-		
15	1	0	64-QAM	-	21.43	-	14.58	0.0287
15	1	37		-	21.23	-		
15	1	74		-	21.06	-		
15	36	0		-	20.49	-		
15	36	20		-	20.28	-		
15	36	39		-	20.24	-		
15	75	0		-	19.99	-		
Limit	Reporting only			Result			N/A	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.28	-	15.58	0.0361
10	1	25		-	22.43	-		
10	1	49		-	22.26	-		
10	25	0		-	21.50	-		
10	25	12		-	21.24	-		
10	25	25		-	21.16	-		
10	50	0		-	21.30	-		
10	1	0	16-QAM	-	21.55	-	14.70	0.0295
10	1	25		-	21.33	-		
10	1	49		-	21.46	-		
10	25	0		-	20.49	-		
10	25	12		-	20.21	-		
10	25	25		-	20.14	-		
10	50	0		-	20.29	-		
10	1	0	64-QAM	-	21.35	-	14.50	0.0282
10	1	25		-	21.04	-		
10	1	49		-	20.93	-		
10	25	0		-	20.45	-		
10	25	12		-	20.10	-		
10	25	25		-	20.15	-		
10	50	0		-	20.09	-		
Limit	Reporting only			Result			N/A	





LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	22.30	-	15.53	0.0357
5	1	12		-	22.38	-		
5	1	24		-	22.26	-		
5	12	0		-	21.43	-		
5	12	7		-	21.26	-		
5	12	13		-	21.03	-		
5	25	0		-	21.21	-		
5	1	0	16-QAM	-	21.39	-	14.54	0.0284
5	1	12		-	21.22	-		
5	1	24		-	21.25	-		
5	12	0		-	20.39	-		
5	12	7		-	20.19	-		
5	12	13		-	20.12	-		
5	25	0		-	20.18	-		
5	1	0	64-QAM	-	21.22	-	14.37	0.0274
5	1	12		-	21.12	-		
5	1	24		-	20.83	-		
5	12	0		-	20.52	-		
5	12	7		-	20.12	-		
5	12	13		-	20.04	-		
5	25	0		-	20.00	-		
Limit	Reporting only			Result			N/A	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	-	22.16	-	15.41	0.0348
3	1	8		-	22.26	-		
3	1	14		-	22.15	-		
3	8	0		-	21.38	-		
3	8	4		-	21.18	-		
3	8	7		-	21.06	-		
3	15	0		-	21.17	-		
3	1	0	16-QAM	-	21.30	-	14.57	0.0286
3	1	8		-	21.16	-		
3	1	14		-	21.42	-		
3	8	0		-	20.54	-		
3	8	4		-	19.95	-		
3	8	7		-	20.21	-		
3	15	0		-	20.19	-		
3	1	0	64-QAM	-	21.22	-	14.37	0.0274
3	1	8		-	21.13	-		
3	1	14		-	20.79	-		
3	8	0		-	20.44	-		
3	8	4		-	20.06	-		
3	8	7		-	20.14	-		
3	15	0		-	20.00	-		
Limit	Reporting only			Result			N/A	



LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -4.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	22.34	-	15.49	0.0354
1.4	1	3		-	22.31	-		
1.4	1	5		-	22.17	-		
1.4	3	0		-	21.41	-		
1.4	3	1		-	21.21	-		
1.4	3	3		-	21.07	-		
1.4	6	0		-	21.21	-		
1.4	1	0	16-QAM	-	21.40	-	14.55	0.0285
1.4	1	3		-	21.11	-		
1.4	1	5		-	21.25	-		
1.4	3	0		-	20.34	-		
1.4	3	1		-	19.95	-		
1.4	3	3		-	20.19	-		
1.4	6	0		-	20.13	-		
1.4	1	0	64-QAM	-	21.30	-	14.45	0.0279
1.4	1	3		-	21.16	-		
1.4	1	5		-	21.00	-		
1.4	3	0		-	20.36	-		
1.4	3	1		-	20.01	-		
1.4	3	3		-	19.97	-		
1.4	6	0		-	19.97	-		
Limit	Reporting only			Result			N/A	



### Appendix B. Test Results of Radiated Test

#### LTE Band 26

LTE Band 26 / 15MHz / QPSK									
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	1632	-59.51	-13	-46.51	-71.33	-61.32	0.97	4.93	H
	2448	-25.94	-13	-12.94	-42.99	-27.76	1.27	5.24	H
	4072	-55.02	-13	-42.02	-75.87	-59.68	1.80	8.61	H
									H
									H
									H
									H
	1632	-58.42	-13	-45.42	-70.69	-60.23	0.97	4.93	V
	2448	-33.36	-13	-20.36	-50.94	-35.18	1.27	5.24	V
	4072	-58.38	-13	-45.38	-79.37	-63.04	1.80	8.61	V
									V
									V
									V
									V

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