



## RADIO TEST REPORT

For

Shenzhen Huafurui Technology Co., Ltd.

Tablet

Test Model: TAB KINGKONG S

Prepared for : Shenzhen Huafurui Technology Co., Ltd.  
Address : Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.  
Address : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Tel : (+86)755-82591330  
Fax : (+86)755-82591332  
Web : www.LCS-cert.com  
Mail : webmaster@LCS-cert.com

Date of receipt of test sample : June 04, 2025  
Number of tested samples : 2  
Sample No. : A250603038-1, A250603038-2  
Serial number : Prototype  
Date of Test : June 04, 2025 ~ July 07, 2025  
Date of Report : July 11, 2025



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Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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**RADIO TEST REPORT**  
**ETSI EN 303 413 V1.2.1 (2021-04)**

Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers;  
Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz  
frequency bands; Harmonised Standard for access to radio spectrum

<b>Report Reference No.</b>	: <b>LCSA06035052EK</b>
Date of Issue	: July 11, 2025
<b>Testing Laboratory Name</b>	: <b>Shenzhen LCS Compliance Testing Laboratory Ltd.</b>
Address.....	: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Testing Location/ Procedure....	: Full application of Harmonised standards <input checked="" type="checkbox"/> Partial application of Harmonised standards <input type="checkbox"/> Other standard testing method <input type="checkbox"/>
<b>Applicant's Name.....</b>	: <b>Shenzhen Huafurui Technology Co., Ltd.</b>
Address.....	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
<b>Test Specification</b>	
Standard.....	: ETSI EN 303 413 V1.2.1 (2021-04)
Test Report Form No. ....	: TRF-4-E-143 A/0
TRF Originator.....	: Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	: Dated 2017-06
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<b>Test Item Description.....</b>	: <b>Tablet</b>
Trade Mark.....	: CUBOT
Test Model.....	: TAB KINGKONG S
Ratings .....	: Please Refer to Page 6
<b>Result .....</b>	: <b>Pass</b>

**Compiled by:**

Diamond Lu/ Administrator

**Supervised by:**

Jack Liu/ Technique principal

**Approved by:**

Gavin Liang/ Manager



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## RADIO -- TEST REPORT

Test Report No. : <b>LCSA06035052EK</b>	<u>July 11, 2025</u> Date of issue
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Test Model.....	: TAB KINGKONG S
EUT.....	: Tablet
<b>Applicant.....</b>	<b>: Shenzhen Huafurui Technology Co., Ltd.</b>
Address.....	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Telephone.....	: /
Fax.....	: /
<b>Manufacturer.....</b>	<b>: Shenzhen Huafurui Technology Co., Ltd.</b>
Address.....	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Telephone.....	: /
Fax.....	: /
<b>Factory.....</b>	<b>: Shenzhen Huafurui Technology Co., Ltd.</b>
Address.....	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Telephone.....	: /
Fax.....	: /

<b>Test Result</b>	<b>Pass</b>
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The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	July 11, 2025	Initial Issue	---



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## 1. GENERAL INFORMATION

### 1.1. Product Description for Equipment Under Test (EUT)

EUT	: Tablet
Test Model	: TAB KINGKONG S
Ratings	: Adapter1 Model: HJ-PD33W-EU For AC Adapter Input: 100-240V~, 50/60Hz, 0.8A Adapter Output: 5.0V=3.0A 15.0W OR 9.0V=3.0A 27.0W OR 12.0V=2.75A 33.0W MAX Adapter2 Model: TPD-203G200170VF01 For AC Adapter Input: 100-240V~, 50/60Hz, 0.6A Adapter Output: 5V=3A 9V=3A 12V=2.5A 15V=2A 20V=1.5A PPS: 3.3V-16V/2A 3.3V-11V/3A Total output power: 33W Max DC 3.87V by Rechargeable Li-ion Battery, 15300mAh
Hardware Version	: T30D-UF-V1.1
Software Version	: CUBOT_TAB_KINGKONG_S_P121C_V01
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.0 (BDR/EDR) 40 channels for Bluetooth V5.0 (BT LE/ BT 2LE)
Channel Spacing	: 1MHz for Bluetooth V5.0 (BDR/EDR) 2MHz for Bluetooth V5.0 (BT LE/ BT 2LE)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.0 (BDR/EDR) GFSK for Bluetooth V5.0 (BT LE/ BT 2LE)
Bluetooth Version	: V5.0
Antenna Description	: PIFA Antenna, -1.3dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2472MHz
Channel Number	: 13 Channel for 20MHz bandwidth(2412~2472MHz) 9 channels for 40MHz bandwidth(2422~2462MHz)
Channel Spacing	: 5MHz
Modulation Type	: 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna, -1.3dBi(Max.)
WIFI(5.2G Band)	:
Frequency Range	: 5180MHz~5240MHz
Channel Number	: 4 channels for 20MHz bandwidth(5180~5240MHz) 2 channels for 40MHz bandwidth(5190~5230MHz)



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	1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	: 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna, 1.5dBi(Max.)
WIFI(5.8G Band)	:
Frequency Range	: 5745MHz~5825MHz
Channel Number	: 5 channels for 20MHz bandwidth(5745~5825MHz) 2 channels for 40MHz bandwidth(5755~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	: 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna, 1.5dBi(Max.)
2G	:
Support Band	: <input checked="" type="checkbox"/> GSM 900 (EU-Band) <input checked="" type="checkbox"/> DCS 1800 (EU-Band) <input checked="" type="checkbox"/> GSM 850 (U.S.-Band) <input checked="" type="checkbox"/> PCS 1900 (U.S.-Band)
Release Version	: R99
GPRS Class	: Class 12
EGPRS Class	: Class 12
Uplink	: GSM 900: 880MHz~915MHz DCS 1800: 1710MHz~1785MHz
Downlink	: GSM 900: 925MHz~960MHz DCS 1800: 1805MHz~1880MHz
Type Of Modulation	: GMSK for GSM/GPRS; 8PSK for EGPRS
Antenna Description	: PIFA Antenna -1.5dBi (max.) For GSM 900 -0.7dBi (max.) For DCS 1800
Power Class	: GSM 900: Level 5, DCS 1800: Level 0 EGPRS 900: Level 8, EGPRS 1800: Level 2
3G	:
Support Band	: <input checked="" type="checkbox"/> WCDMA Band I (EU-Band) <input checked="" type="checkbox"/> WCDMA Band VIII (EU-Band)
Release Version	: R8
Uplink	: WCDMA Band I: 1920MHz~1980MHz WCDMA Band VIII: 880MHz~915MHz
Downlink	: WCDMA Band I: 2110MHz~2170MHz WCDMA Band VIII: 925MHz~960MHz
Type Of Modulation	: QPSK/16QAM
Antenna Description	: PIFA Antenna 1.6dBi (max.) For WCDMA Band I -1.5dBi (max.) For WCDMA Band VIII



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Power Class : Level 3

LTE :

Support Band : ☒ E-UTRA Band 1(EU-Band)  
☒ E-UTRA Band 3(EU-Band)  
☒ E-UTRA Band 7(EU-Band)  
☒ E-UTRA Band 8(EU-Band)  
☒ E-UTRA Band 20(EU-Band)  
☒ E-UTRA Band 28(EU-Band)  
☒ E-UTRA Band 38(EU-Band)  
☒ E-UTRA Band 40(EU-Band)

LTE Release Version : R8

FDD Band : Uplink: E-UTRA Band 1: 1920MHz~1980MHz  
E-UTRA Band 3: 1710MHz~1785MHz  
E-UTRA Band 7: 2500MHz~2570MHz  
E-UTRA Band 8: 880MHz~915MHz  
E-UTRA Band 20: 832MHz~862MHz  
E-UTRA Band 28: 703MHz~748MHz  
Downlink: E-UTRA Band 1: 2110MHz~2170MHz  
E-UTRA Band 3: 1805MHz~1880MHz  
E-UTRA Band 7: 2620MHz~2690MHz  
E-UTRA Band 8: 925MHz~960MHz  
E-UTRA Band 20: 791MHz~821MHz  
E-UTRA Band 28: 758MHz~803MHz  
TDD Band : E-UTRA Band 38: 2570MHz~2620MHz  
E-UTRA Band 40: 2300MHz~2400MHz

Type Of Modulation : QPSK/16QAM

Antenna Description : PIFA Antenna  
1.6dBi (max.) For E-UTRA Band 1  
-0.7dBi (max.) For E-UTRA Band 3  
0.1dBi (max.) For E-UTRA Band 7  
-1.5dBi (max.) For E-UTRA Band 8  
-1.9dBi (max.) For E-UTRA Band 20  
-3.6dBi (max.) For E-UTRA Band 28  
-0.6dBi (max.) For E-UTRA Band 38  
0.7dBi (max.) For E-UTRA Band 40

Power Class : Class 3

GPS Receiver :

Receive Frequency : 1575.42MHz

Channel Number : 1

Antenna Description : PIFA Antenna, 0.6dBi(Max.)

GLONASS Receiver :



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Receive Frequency : 1602.5625MHz  
Channel Number : 1  
Antenna Description : PIFA Antenna, 0.6dBi(Max.)  
Galileo Receiver :  
Receive Frequency : 1589.74MHz  
Channel Number : 1  
Antenna Description : PIFA Antenna, 0.6dBi(Max.)  
BDS Receiver :  
Receive Frequency : 1561.098MHz  
Channel Number : 1  
Antenna Description : PIFA Antenna, 0.6dBi(Max.)  
SBAS Receiver :  
Receive Frequency : 1575.42MHz  
Channel Number : 1  
Antenna Description : PIFA Antenna, 0.6dBi(Max.)



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## 1.2. Objective

This Type approval report is prepared on behalf of **Shenzhen Huafurui Technology Co., Ltd.** in accordance with ETSI EN 303 413 V1.2.1 (2021-04), Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands; Harmonised Standard for access to radio spectrum.

The objective is to determine compliance with ETSI EN 303 413 V1.2.1 (2021-04).

## 1.3. Related Submittal(s)/Grant(s)

No Related Submittals.

## 1.4. Test Methodology

All measurements contained in this report were conducted with ETSI EN 303 413 V1.2.1 (2021-04).

## 1.5. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

## 1.6. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Shenzhen Huafurui Technology Co., Ltd	Fast Charger	HJ-PD33W-EU	--	CE
SHENZHEN TIANYIN ELECTRONICS CO.,LTD.	AC Adapter	TPD-203G2001 70VF01	--	CE

## 1.7. External I/O

I/O Port Description	Quantity	Cable
Type-C USB Port	1	USB Cable: 1.0m, unshielded Earphone Cable: 1.2m, unshielded



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## 1.8. Measurement Uncertainty

Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.42dB	
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.54dB	Polarize: V
	4.1dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	2.08dB	Polarize: H
	2.56dB	Polarize: V
Uncertainty for radio frequency	0.01ppm	
Uncertainty for conducted RF Power	0.65dB	
Uncertainty for temperature	0.2℃	
Uncertainty for humidity	1%	
Uncertainty for DC and low frequency voltages	0.06%	

## 9. Description Of Test Modes

The EUT has been tested under operating condition.

Mode 1: GPS Receiver;

Mode 2: GLONASS Receiver;

Mode 3: Galileo Receiver;

Mode 4: BDS Receiver

Mode 5: SBAS Receiving;

This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in Y position.



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## 2. SYSTEM TEST CONFIGURATION

### 2.1. Justification

The system was configured for testing in engineering mode.

### 2.2. EUT Exercise Software

N/A.

### 2.3. Special Accessories

N/A.

### 2.4. Block Diagram/Schematics

Please refer to the related document.

### 2.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

### 2.6. Configuration of Test Setup

Please refer to the test setup photo.



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### 3. SUMMARY OF TEST RESULTS

RULES ETSI EN 303 413 V1.2.1 (2021-04)	DESCRIPTION OF TEST	RESULT
§ 4.2.1	Receiver blocking	Compliant
§ 4.2.2	Receiver spurious emissions	Compliant

Note: "N/A" means this test item is not applicable.



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## 4. TEST RESULTS

### 4.1. Receiver blocking

#### 4.1.1 Definition and Limit

Receiver blocking is a measure of the capability of the GUE to receive a wanted signal without exceeding a given degradation due to the presence of an unwanted input signal operating in accordance with the allocation table of the ITU Radio Regulations [i.13] in frequency bands adjacent or near-adjacent to the relevant RNSS band.

The  $C/N_0$  metric reported by the GUE for all GNSS constellations and GNSS signals given in table 4-1 and supported by the GUE shall not degrade by more than the value given in equation (4-1) when a blocking signal is applied. The blocking signal is defined in table 4-4, with the frequencies and power levels defined in table 4-2 and/or in table 4-3 depending on the RNSS bands supported by the GUE

Equation 4-1: Maximum degradation in  $C/N_0$

$$\Delta C/N_0 \leq 1 \text{ dB} \quad (4-1)$$

**Table 4-2: Frequency bands, blocking signal test point centre frequencies and power levels for the 1 559 MHz to 1 610 MHz RNSS band**

Frequency band (MHz)	Test point centre frequency (MHz)	Blocking signal power level (dBm)	Comments
1518 to 1525	1524	-65	MSS (space-to-Earth) band
1525 to 1549	1548	-95	MSS (space-to-Earth) band
1549 to 1559	1554	-105	MSS (space-to-Earth) band
1559 to 1610	GUE RNSS band under test		
1610 to 1626	1615	-105	MSS (space-to-Earth) band
1626 to 1640	1627	-85	MSS (space-to-Earth) band

**Table 4-3: Frequency bands, blocking signal test point centre frequencies and power levels for the 1 164 MHz to 1 300 MHz RNSS band**

Frequency band (MHz)	Test point centre frequency (MHz)	Blocking signal power level (dBm)	Comments
960 to 1164	1154	-75	AM(R)S, ARNS band
1164 to 1215	GUE RNSS band under test		
1215 to 1260	GUE RNSS band under test		
1260 to 1300	GUE RNSS band under test		
1300 to 1350	1310	-85	Radiolocation, ARNS, RNSS (Earth-to-space) band

**Table 4-4: Blocking signal**

Parameter	Value	Comments
Frequency	See table 4-2 and table 4-3	
Power level	See table 4-2 and table 4-3	
Bandwidth	1 MHz	See clause B.1 for details
Format	AWGN	



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#### 4.1.2 Test Procedure

- 1) Configure the GNSS signal generator to simulate the GNSS constellations and GNSS signals from table 4-1 declared as supported by the GUE, with power levels and other details as specified in clause B.2.
- 2) With the blocking signal switched off, the EUT shall be given sufficient time to acquire all simulated satellites from the declared GNSS constellations.
- 3) Record the  $C/N_0$  value(s) reported by the EUT under the condition in step 2). Sufficient filtering shall be used to obtain stable value(s).  $C/N_0$  may be averaged over time and across all the simulated satellites for a particular GNSS constellation and GNSS signal. However,  $C/N_0$  shall not be averaged across different satellite signals in the same GNSS constellation or across different GNSS constellations. For a multi-GNSS constellation and/or multi-GNSS signal EUT, there shall be a separate  $C/N_0$  value recorded for each GNSS constellation and each GNSS signal supported.
- 4) The blocking signal generator shall be configured to generate the signal defined in table 4-4, at the first test point centre frequency and signal power level as specified in table 4-2.
- 5) The blocking signal shall be switched on, and the EUT's  $C/N_0$  value(s) recorded as in step 3). The difference(s) between this value(s) and the value(s) recorded in step 3) is the  $C/N_0$  degradation caused by the blocking signal for this test point.
- 6) Test point Pass/Fail Criteria: If the  $C/N_0$  degradation from step 5) does not exceed the value in equation (4-1), then this test point is set to "pass". If the  $C/N_0$  degradation exceeds the value in equation (4-1), then this test point is set to "fail". For a multi-GNSS constellation and/or multi-GNSS signal EUT, there shall be a separate pass/fail determination for each GNSS constellation and for each GNSS signal supported. If the  $C/N_0$  degradation exceeds the value in equation (4-1) for any supported GNSS constellation or supported GNSS signal, then this test point is set to "fail".
- 7) Step 1) through step 6) shall be repeated for all test point centre frequencies (and associated signal power level) specified in table 4-2.

#### 4.1.3 Test Result

##### Environmental Conditions

Temperature/ Humidity:	24.1°C / 53.9%	ATM Pressure:	100.9 kPa
Operator:	Sean Huang	Conclusion:	Pass

##### GPS Receiver

Frequency Band(MHz)	Test Point Center Frequency(MHz)	Blocking signal power level (dBm)	Test Result(dB)	Limit(dB) ( $\Delta C/N_0$ )
1518 to 1525	1524	-65	0.36	$\leq 1$
1525 to 1549	1548	-95	0.30	$\leq 1$
1 549 to 1 559	1554	-105	0.73	$\leq 1$
1 610 to 1 626	1615	-105	0.38	$\leq 1$
1 626 to 1 640	1627	-85	0.53	$\leq 1$



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Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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## GLONASS Receiver

Frequency Band(MHz)	Test Point Center Frequency(MHz)	Blocking signal power level (dBm)	Test Result(dB)	Limit(dB) ( $\Delta C/N_0$ )
1518 to 1525	1524	-65	0.41	$\leq 1$
1525 to 1549	1548	-95	0.30	$\leq 1$
1 549 to 1 559	1554	-105	0.64	$\leq 1$
1 610 to 1 626	1615	-105	0.42	$\leq 1$
1 626 to 1 640	1627	-85	0.53	$\leq 1$

## Galileo Receiver

Frequency Band(MHz)	Test Point Center Frequency(MHz)	Blocking signal power level (dBm)	Test Result(dB)	Limit(dB) ( $\Delta C/N_0$ )
1518 to 1525	1524	-65	0.28	$\leq 1$
1525 to 1549	1548	-95	0.24	$\leq 1$
1 549 to 1 559	1554	-105	0.60	$\leq 1$
1 610 to 1 626	1615	-105	0.30	$\leq 1$
1 626 to 1 640	1627	-85	0.44	$\leq 1$

## BDS Receiver

Frequency Band(MHz)	Test Point Center Frequency(MHz)	Blocking signal power level (dBm)	Test Result(dB)	Limit(dB) ( $\Delta C/N_0$ )
1518 to 1525	1524	-65	0.32	$\leq 1$
1525 to 1549	1548	-95	0.28	$\leq 1$
1 549 to 1 559	1554	-105	0.55	$\leq 1$
1 610 to 1 626	1615	-105	0.50	$\leq 1$
1 626 to 1 640	1627	-85	0.51	$\leq 1$

## SBAS Receiver

Frequency Band(MHz)	Test Point Center Frequency(MHz)	Blocking signal power level (dBm)	Test Result(dB)	Limit(dB) ( $\Delta C/N_0$ )
1518 to 1525	1524	-65	0.79	$\leq 1$
1525 to 1549	1548	-95	0.34	$\leq 1$
1 549 to 1 559	1554	-105	0.42	$\leq 1$
1 610 to 1 626	1615	-105	0.38	$\leq 1$
1 626 to 1 640	1627	-85	0.55	$\leq 1$

Note: All test modes were tested, but we only recorded the worst case in this report.



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## 4.2. Receiver Spurious Emissions

### 4.2.1 Definition and Limit

Receiver spurious emissions are emissions at any frequency when the GUE is active.

Frequency range	Maximum power	Bandwidth
30 MHz to 1 GHz	-57 dBm	100 kHz
1 GHz to 8,3 GHz	-47 dBm	1 MHz

### 4.2.2 Test Procedure

Please refer to ETSI EN 303 413 V1.2.1 (2021-04) clause 5.5.3 for measurement method.

### 4.2.3 Test Result

#### Environmental Conditions

Temperature/ Humidity:	24.1°C/ 53.9%	ATM Pressure:	100.9 kPa
Test Mode:	Mode 1-1575.42MHz	Operator:	Sean Huang

#### Test Result For Receiving Mode(Detecting Frequency Range: 30MHz~1GHz)

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
65.08	-65.64	-57.00	-8.64	V
909.25	-68.92	-57.00	-11.92	V
166.43	-71.59	-57.00	-14.59	H
926.76	-73.44	-57.00	-16.44	H

#### Test Result For Receiving Mode(Detecting Frequency Range: Above 1GHz)

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
1715.94	-70.97	-47.00	-23.97	V
3563.35	-55.91	-47.00	-8.91	H
2017.21	-73.67	-47.00	-26.67	H
3564.50	-62.19	-47.00	-15.19	V



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**Environmental Conditions**

Temperature/ Humidity:	24.1°C/ 53.9%	ATM Pressure:	100.9 kPa
Test Mode:	Mode 2-1602.5625MHz	Operator:	Sean Huang

**Test Result For Receiving Mode(Detecting Frequency Range: 30MHz~1GHz)**

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
68.27	-68.85	-57.00	-11.85	V
910.91	-69.61	-57.00	-12.61	V
164.29	-73.48	-57.00	-16.48	H
927.26	-74.10	-57.00	-17.10	H

**Test Result For Receiving Mode(Detecting Frequency Range: Above 1GHz)**

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
1712.78	-68.12	-47.00	-21.12	V
3563.06	-56.20	-47.00	-9.20	H
2020.92	-75.18	-47.00	-28.18	H
3566.22	-60.14	-47.00	-13.14	V

**Environmental Conditions**

Temperature/ Humidity:	24.1°C/ 53.9%	ATM Pressure:	100.9 kPa
Test Mode:	Mode 3-1589.74MHz	Operator:	Sean Huang

**Test Result For Receiving Mode(Detecting Frequency Range: 30MHz~1GHz)**

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
65.99	-66.39	-57.00	-9.39	V
912.63	-68.85	-57.00	-11.85	V
163.60	-73.95	-57.00	-16.95	H
927.47	-73.40	-57.00	-16.40	H

**Test Result For Receiving Mode(Detecting Frequency Range: Above 1GHz)**

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
1715.77	-68.14	-47.00	-21.14	V
3566.41	-56.75	-47.00	-9.75	H
2021.05	-73.96	-47.00	-26.96	H
3567.57	-61.79	-47.00	-14.79	V



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**Environmental Conditions**

Temperature/ Humidity:	24.1°C/ 53.9%	ATM Pressure:	100.9 kPa
Test Mode:	Mode 4-1561.098MHz	Operator:	Sean Huang

**Test Result For Receiving Mode(Detecting Frequency Range: 30MHz~1GHz)**

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
67.02	-66.51	-57.00	-9.51	V
911.75	-70.93	-57.00	-13.93	V
164.43	-73.77	-57.00	-16.77	H
924.94	-75.62	-57.00	-18.62	H

**Test Result For Receiving Mode(Detecting Frequency Range: Above 1GHz)**

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
1715.61	-68.55	-47.00	-21.55	V
3564.77	-56.34	-47.00	-9.34	H
2019.20	-74.70	-47.00	-27.70	H
3567.86	-58.75	-47.00	-11.75	V

**Environmental Conditions**

Temperature/ Humidity:	24.1°C/ 53.9%	ATM Pressure:	100.9 kPa
Test Mode:	Mode 5-1575.42MHz	Operator:	Sean Huang

**Test Result For Receiving Mode(Detecting Frequency Range: 30MHz~1GHz)**

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
68.95	-67.55	-57.00	-10.55	V
910.83	-70.13	-57.00	-13.13	V
164.88	-72.11	-57.00	-15.11	H
926.33	-72.86	-57.00	-15.86	H

**Test Result For Receiving Mode(Detecting Frequency Range: Above 1GHz)**

Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Polarity (H/V)
1713.20	-67.79	-47.00	-20.79	V
3564.19	-55.23	-47.00	-8.23	H
2017.62	-72.31	-47.00	-25.31	H
3567.05	-60.59	-47.00	-13.59	V

**Notes:**

1. Measuring frequencies from 25MHz~10th harmonic or 26.5GHz (which is less)
2. The emissions that at least 20dB below the official limit are not reported.

Note: All test modes were tested, but we only recorded the worst case in this report.



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## 5. LIST OF MEASURING EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2024-10-08	2025-10-07
2	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2025-05-22	2026-05-21
3	MXG Vector Signal Generator	Agilent	N5182A	MY47071151	2025-05-22	2026-05-21
4	Combiner	N/A	N/A	SHWLCB2-52500 S	2024-10-08	2025-10-07
5	EMI Test Software	Farad	EZ	/	N/A	N/A
6	3m Full Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2022-08-17	2025-08-16
7	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
8	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
9	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
10	EMI Test Receiver	R&S	ESR 7	101181	2025-05-22	2026-05-21
11	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2025-05-22	2026-05-21
12	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
13	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07



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## 6. PHOTOGRAPHS OF TEST SETUP

Please refer to separated files Appendix D for Photographs of Test Setup\_RF.

## 7. PHOTOGRAPHS OF THE EUT

Please refer to separated files Appendix C for Photographs of The EUT.

-----THE END OF REPORT-----



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