



HEALTH TEST REPORT

For

Shenzhen Huafurui Technology Co., Ltd.

Smartphone

Test Model: NOTE 60

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.
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Date of receipt of test sample : April 28, 2025
Number of tested samples : 2
Sample No. : A250428037-1, A250428037-2
Serial number : Prototype
Date of Test : April 28, 2025 ~ May 20, 2025
Date of Report : May 21, 2025



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**HEALTHTEST REPORT**
EN IEC 62311:2020

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

Report Reference No. : **LCSA04285026EM****Date of Issue** : May 21, 2025**Testing Laboratory Name** : **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**Testing Location/Procedure** : Full application of Harmonised standards ■
Partial application of Harmonised standards □
Other standard testing method □**Applicant's Name** : **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**Test Specification****Standard** : EN IEC 62311:2020**Test Report Form No.** : TRF-4-E-156 A/0**TRF Originator** : Shenzhen LCS Compliance Testing Laboratory Ltd.**Master TRF** : Dated 2011-03**Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.**

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Test Item Description : **Smartphone****Trade Mark** : CUBOT**Test Model** : NOTE 60**Ratings** : Please Refer to Page 5**Result** : **Pass****Compiled by:***Nadia Zhou*

Nadia Zhou/ Administrator

Supervised by:*Jack Liu*

Jack Liu/ Technique principal

Approved by:*Gavin Liang*

Gavin Liang/ Manager



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HEALTH--TEST REPORT

Test Report No. : LCSA04285026EM**May 21, 2025**
Date of issue

Test Model..... : NOTE 60

EUT..... : Smartphone

Applicant..... : 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

Telephone..... : /

Fax..... : /

Manufacturer..... : 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

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Factory..... : Shenzhen Huafurui Technology Co., Ltd.

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Telephone..... : /

Fax..... : /

Test Result**Pass**

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	May 21, 2025	Initial Issue	---





1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT	: Smartphone
Test Model	: NOTE 60
Ratings	: Adapter1 Model: TPD-203A120167VF01 For AC Adapter Input: 100-240V~, 50/60Hz, 0.6A Adapter Output: 5.0V=3.0A 15.0W or 9.0V=2.22A 19.98W or 12.0V=1.67A 20.04W Adapter2 Model: HJ-PD18W-EU For AC Adapter Input: 100-240V~, 50/60Hz, 0.6A Adapter Output: 5.0V=3.0A 15.0W OR 9.0V=2.0A 18.0W OR 12.0V=1.5A 18.0W MAX DC 3.91V by Rechargeable Li-ion Battery, 7000mAh
Hardware Version	: 2501D-UF-V11
Software Version	: CUBOT_NOTE_60_F081C_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, 2.39dBi(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, 2.39dBi(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) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	: 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)



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Antenna Description : PIFA Antenna, 0.02dBi(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, 0.02dBi(Max.)

2G :

Support Band : ☒ GSM 900 (EU-Band) ☒ DCS 1800 (EU-Band)

☒ GSM 850 (U.S.-Band) ☒ 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

-1.56dBi (max.) For GSM 900

2.81dBi (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 : ☒ WCDMA Band I (EU-Band)

☒ 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

2.31dBi (max.) For WCDMA Band I

-1.56dBi (max.) For WCDMA Band VIII

Power Class : Level 3

LTE :

Support Band : ☒ E-UTRA Band 1(EU-Band)

☒ E-UTRA Band 3(EU-Band)



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- ☒ 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
2.31dBi (max.) For E-UTRA Band 1
2.81dBi (max.) For E-UTRA Band 3
1.04dBi (max.) For E-UTRA Band 7
-1.56dBi (max.) For E-UTRA Band 8
-2.05dBi (max.) For E-UTRA Band 20
-1.16dBi (max.) For E-UTRA Band 28
1.04dBi (max.) For E-UTRA Band 38
0.18dBi (max.) For E-UTRA Band 40

Power Class : Class 3

GPS Receiver :

Receive Frequency : 1575.42MHz

Channel Number : 1

Antenna Description : PIFA Antenna, 3.73dBi(Max.)

GLONASS Receiver :

Receive Frequency : 1602.5625MHz

Channel Number : 1

Antenna Description : PIFA Antenna, 3.73dBi(Max.)

Galileo Receiver :



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Receive Frequency : 1589.74MHz
Channel Number : 1
Antenna Description : PIFA Antenna, 3.73dBi(Max.)
NFC :
Frequency Range : 13.56MHz
Modulation Type : ASK
Antenna Type : Internal Antenna, 0dBi(Max.)





1.2. Objective

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

EN IEC 62311:2020—Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

1.3. Test Methodology

All measurements contained in this report were conducted with EN IEC 62311:2020.

1.4. Facilities

All measurement facilities used to collect the measurement data are located at Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 32.

1.5. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO.,LTD.	AC Adapter	TPD-203A120167VF01	--	CE
Shenzhen Huajin Electronics Co., Ltd	Fast Charger	HJ-PD18W-EU	--	CE

1.6. External I/O

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



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1.7. Equipment

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

1.8. Laboratory Accreditations And Listings

Site Description

EMC Lab. : NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.

Name of Firm : Shenzhen LCS Compliance Testing Laboratory Ltd.

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

1.9. Measurement Uncertainty(95% confidence levels, k=2)

Test Item	Uncertainty
Radio Frequency	0.9×10^{-4}
Total RF Power, Conducted	1.0 dB
RF Power Density, Conducted	1.8 dB
Spurious Emissions, Conducted	1.8 dB
All Emissions, Radiated	3.1 dB
Temperature	0.5°C
Humidity	1 %
DC And Low Frequency Voltages	1 %



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2.HUMAN EXPOSURE TO THE ELECTROMAGNETIC FIELDS

2.1 Basic Restrictions Reference levels

Council Recommendation 1999/519/EC Annex III

Basic restrictions for electric, magnetic and electromagnetic fields (0Hz to 300GHz)

Frequency range	Magnetic flux density (mT)	Current density (Ma/m ²) (rms)	Whole body average SAR (W/kg)	Localised SAR (head and trunk) (W/kg)	Localised SAR (limbs) (W/kg)	Power density (W/m ²)
0Hz	40	-	-	-	-	-
>0-1Hz	-	8	-	-	-	-
1-4Hz	-	8/f	-	-	-	-
4-1000Hz	-	2	-	-	-	-
1000Hz-100kHz	-	f/500	-	-	-	-
100kHz-10MHz	-	f/500	0.08	2	4	-
10MHz-10GHz	-	-	0.08	2	4	-
10-300GHz	-	-	-	-	-	10

Note:

1. f is the frequency in Hz.
2. The basic restriction on the current density is intended to protect against acute exposure effects on central nervous system tissues in the head and trunk of the body and includes a safety factor. The basic restrictions for ELF fields are based on established adverse effects on the central nervous system. Such acute effects are essentially instantaneous and there is no scientific justification to modify the basic restrictions for exposure of short duration. However, since the basic restriction refers to adverse effects on the central nervous system, this basic restriction may permit higher current densities in body tissues other than the central nervous system under the same exposure conditions.
3. Because of electrical inhomogeneity of the body, current densities should be averaged over a cross section of 1cm² perpendicular to the current direction.
4. For frequencies up to 100 kHz, peak current density values can be obtained by multiplying the rms value by $\sqrt{2}$ (=1.414). For pulses of duration t_p the equivalent frequency to apply in the basic restrictions should be calculated as $f=1/(2t_p)$
5. For frequencies up to 100kHz and for pulsed magnetic fields, the maximum current density associated with the pulses can be calculated from the rise/fall times and the maximum rate of change of magnetic flux density. The induced current density can then be compared with the appropriate basic restriction.
6. All SAR values are to be averaged over any six-minute period.
7. Localised SAR averaging mass is any 10g of contiguous tissue; the maximum SAR so obtained should be the value used for the estimation of exposure. These 10g of tissue are intended to be a mass of contiguous tissue with nearly homogeneous electrical properties. In specifying a contiguous mass of tissue, it is recognised that this concept can be used in computational dosimetry but may present difficulties for direct physical measurements. A simple geometry such as cubic tissue mass can be used provided that the calculated dosimetric quantities have conservation values relative to the exposure guidelines.



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8. For pulses of duration t_p the equivalent frequency to apply in the basic restrictions should be calculated as $f = 1/(2t_p)$. Additionally, for pulsed exposures, in the frequency range 0,3 to 10GHz and for localised exposure of the head, in order to limit and avoid auditory effects caused by thermoelastic expansion, an additional basic restriction is recommended. This is that SA should not exceed 2mJ kg⁻¹ averaged over 10g of tissue.

2.2 Reference Levels

Council Recommendation 1999/519/EC Annex III

Reference levels for electric, magnetic and electromagnetic fields (0Hz to 300GHz)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density Seq (W/m ²)
0-1Hz	-	$3,2 \times 10^4$	4×10^4	-
1-8Hz	1000	$3,2 \times 10^4 / f^2$	$4 \times 10^4 / f^2$	-
8-25Hz	1000	$4000 / f$	$5000 / f$	-
0.025Hz-0,8kHz	$250 / f$	$4 / f$	$5 / f$	-
0,8-3kHz	$250 / f$	5	6,25	-
3-150kHz	87	5	6,25	-
0,15-1MHz	87	$0,73 / f$	$0,92 / f$	-
1-10MHz	$87 / f^{1/2}$	$0,73 / f$	$0,92 / f$	-
10-400MHz	28	0,073	0,092	2
400-2000MHz	$1,375 f^{1/2}$	$0,0037 f^{1/2}$	$0,0046 f^{1/2}$	$f / 200$
2-300GHz	61	0,16	0,20	10

Note:

1. As indicated in the frequency range column.
2. For frequencies between 100kHz and 10GHz, Seq, E2, H2 and B2 are to be averaged over any six-minute period.
3. For frequencies exceeding 10GHz, Seq, E2, H2 and B2 are to be averaged over any 68/1.05-minute period (.in GHz).
4. No E-field value is provided for frequencies <1Hz, which are effectively static electric fields. For most people the annoying perception of surface electric charges will not occur at field strengths less than 20kV/m. Spark discharges causing stress or annoyance should be avoided.



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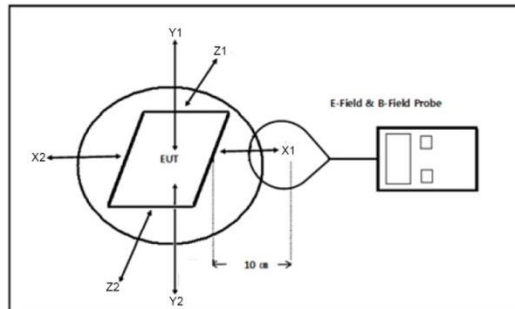
3. RF EXPOSURE EVALUATION

3.1. Test Equipment

The following test equipments are used during the power line conducted measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
1	Exposure Level Tester	Narda	ELT-400	N-0713	2024-11-11	2025-11-10
2	B-Field Probe	Narda	ELT-400	M-1154	2024-10-08	2025-10-07

3.2. Block Diagram of Test Setup



*Note:

Position A: Back Side of the EUT

Position B: Left Side of the EUT

Position C: Front Side of the EUT

Position D: Right Side of the EUT

Position E: Top Side of the EUT

Position F: Bottom Side of the EUT



3.3. Test Results

H-field Strength Test Result:

Test condition: NFC mode

Frequency Range(MHz)	Probe Position Hx1 (A/m)	Probe Position Hx2 (A/m)	Probe Position Hy1 (A/m)	Probe Position Hy2 (A/m)	Probe Position Hz1 (A/m)	Probe Position Hz2 (A/m)	ResultH (A/m)	Limit (A/m)
13.56	0.04	0.05	0.03	0.04	0.03	0.02	0.071	0.073

$$H = \sqrt{H_X^2 + H_Y^2 + H_Z^2} = \sqrt{0.05^2 + 0.04^2 + 0.03^2} \text{ A/m} = 0.071 \text{ A/m}$$

Note: All test modes have been tested and only record the worst result.

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



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