



RF TEST REPORT

Product Name: 5G Smart phone

Model Name: OB-A98, TANK 4 Pro, SHARK 3

FCC ID: 2BAVY-OBA98

Issued For : Shenzhen OBLUE Communication Technology Co.,Ltd.

Room 702, Hepingdayou industrial and trade industrial park,
No. 41, Yonghe Road, Heping Community, Fuhai Street, Baoan
District, Shenzhen City,China

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan
District, Shenzhen, Guangdong, China

Report Number: LGT25L465RF17

Sample Received Date: Dec. 29, 2025

Date of Test: Dec. 29, 2025 ~ Jan. 09, 2026

Date of Issue: Jan. 09, 2026

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TEST REPORT CERTIFICATION

Applicant: Shenzhen OBLUE Communication Technology Co.,Ltd.
Room 702, Hepingdayou industrial and trade industrial park, No. 41,
Address: Yonghe Road, Heping Community, Fuhai Street, Baoan District,
Shenzhen City,China

Manufacturer: Shenzhen OBLUE Communication Technology Co.,Ltd.
Room 702, Hepingdayou industrial and trade industrial park, No. 41,
Address: Yonghe Road, Heping Community, Fuhai Street, Baoan District,
Shenzhen City,China

Product Name: 5G Smart phone

Trademark: 8849,Unihertz,iHunt

Model Name: OB-A98, TANK 4 Pro, SHARK 3

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 15.225, Subpart C ANSI C63.10-2020	PASS

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Technical Director





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Revision History

Rev.	Issue Date	Revisions
00	Jan. 09, 2026	Initial Issue

Note: Has been added an adapter and updated battery label, please refer to P5 for retest information.



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 15.225, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	--
15.209 15.225(a)(b)(c)(d)	Radiated Emission	Not Test ¹	--
15.225(e)	Frequency Tolerance	Not Test ¹	--
15.203	Antenna Requirement	Not Test ¹	--
15.215	20dB Bandwidth	Not Test ¹	--

NOTE:

- (1) Not Test means after evaluation, test items are no need to test, the test results please refer to Original Report, the report number is LGT24I060RF20.
- (2) All tests are according to ANSI C63.10-2020.



1.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate	FCC Registration No.: 746540
	A2LA Certificate No.: 6727.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95** %.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.68\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.84\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.39\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
6	All emissions, radiated >6G	$\pm 5.48\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.79\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.80\text{dB}$

Note: The measurement uncertainty is not included in the test result.



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	5G Smart phone	
Trademark:	8849,Unihertz,iHunt	
Model Name:	OB-A98	
Series Model:	TANK 4 Pro, SHARK 3	
Model Difference:	Different make and model.	
Product Description:	Operation Frequency:	13.56MHz
	Modulation Type:	ASK
	Antenna Designation:	Please see Note 2.
Channel List:	Please refer to the Note 2.	
Adapter:	Model: HJ-PD120W-US Input: 100-240V, 50/60Hz, 1.8A Output: 5V 3A 15W, OR 9V 3A 27W, OR 12V 3A 36W, OR 15V 3A 45W, OR 20V 5A 100W, PPS: 3.6V-20V 6A 120W MAX	
	Model: HJ-PD120W-D-US Input: 100-240V, 50/60Hz, 1.8A Output: 5V 3A 15W, OR 9V 3A 27W, OR 12V 3A 36W, OR 15V 3A 45W, OR 20V 5A 100W, PPS: 5V-20V 6A 120W MAX	
Battery:	Capacity: 5750mAh Rated Voltage: 7.74V	
Hardware Version:	G98_V2.0	
Software Version:	OB-A98_20240912	
Connecting I/O Port(s):	Please refer to the Note 1.	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. The antenna information refers to the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.



2.2 DESCRIPTION OF THE TEST MODES

For conducted test items and radiated spurious emissions

Each of these EUT operation mode(s) or test configuration mode(s) mentioned below was evaluated respectively.

Worst Mode	Description
Mode 1	TX Mode

Note:

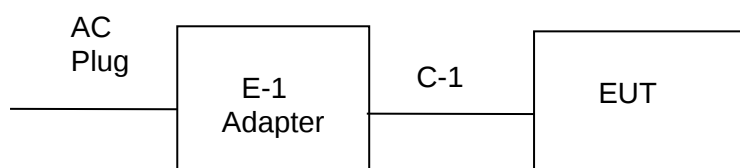
(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

(2) We have be tested for all avaiable U.S. voltage and Frequency (For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/60Hz is shown in the report.

(3) The battery is fully-charged during the radited and RF conducted test.

2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test





2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating
Adapter	Shenzhen Huajin Electronics Co.,Ltd	HJ-PD120W-US	N/A	Input: 100-240V, 50/60Hz, 1.8A Output: 5V 3A 15W, OR 9V 3A 27W, OR 12V 3A 36W, OR 15V 3A 45W, OR 20V 5A 100W, PPS: 3.6V-20V 6A 120W MAX
Adapter	Shenzhen Huajin Electronics Co., Ltd	HJ-PD120W-D-US	N/A	Input: 100-240V, 50/60Hz, 1.8A Output: 5V 3A 15W, OR 9V 3A 27W, OR 12V 3A 36W, OR 15V 3A 45W, OR 20V 5A 100W, PPS: 5V-20V 6A 120W MAX
USB-C to USB-C Cable	N/A	N/A	N/A	1m

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2.5 EQUIPMENTS LIST

Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
LISN	COM-POWER	LI-115	02032	2025.03.05	2026.03.04
LISN	SCHWARZBECK	NNLK 8122	00160	2025.03.05	2026.03.04
Transient Limiter	CYBERTEK	EM5010A	E225010004 9	2025.03.05	2026.03.04
Coaxial cables (9kHz-30MHz)	Juncoax	JMR600-N MNM-2M	N.A	2025.03.06	2026.03.05
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

FREQUENCY (MHz)	Class B (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

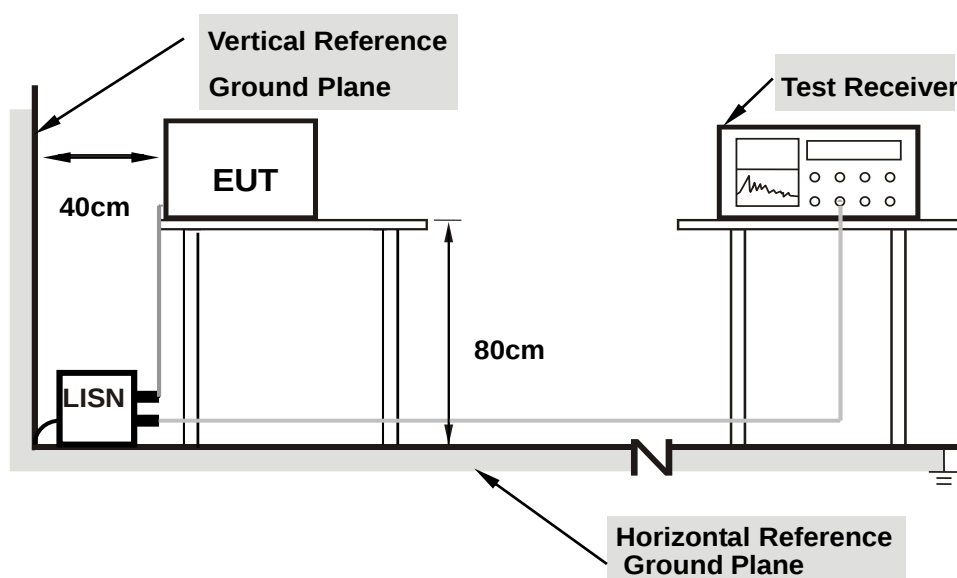
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.2 TEST PROCEDURE

- The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support.

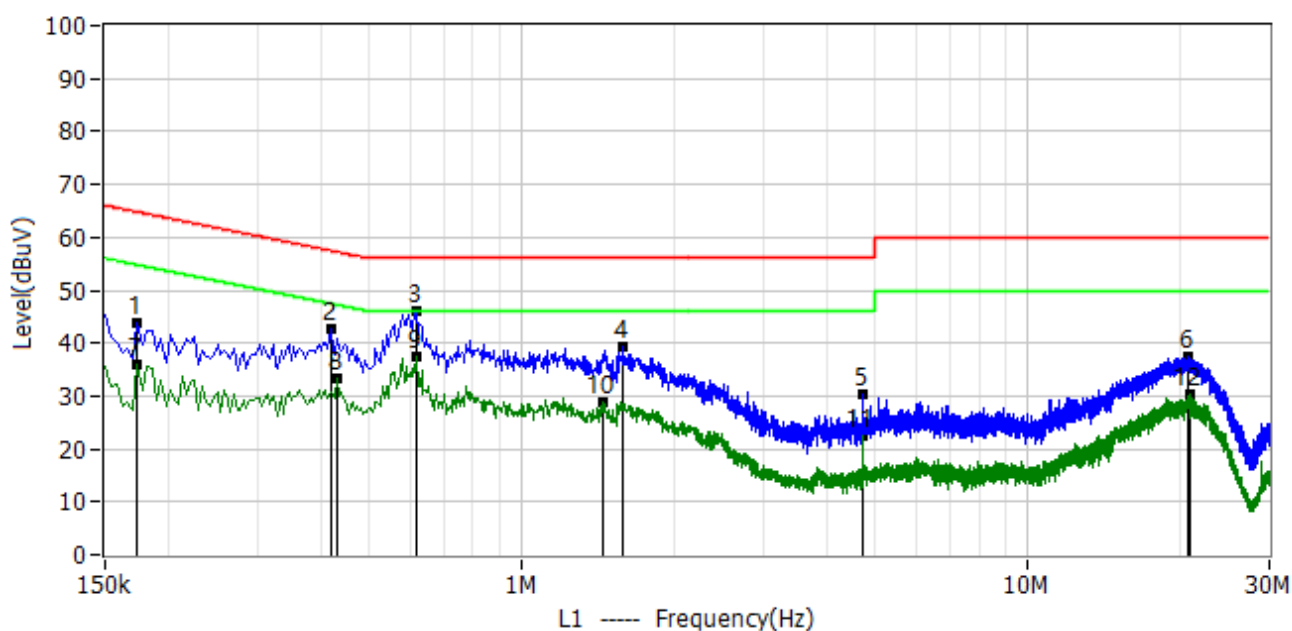
3.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



3.5 TEST RESULTS

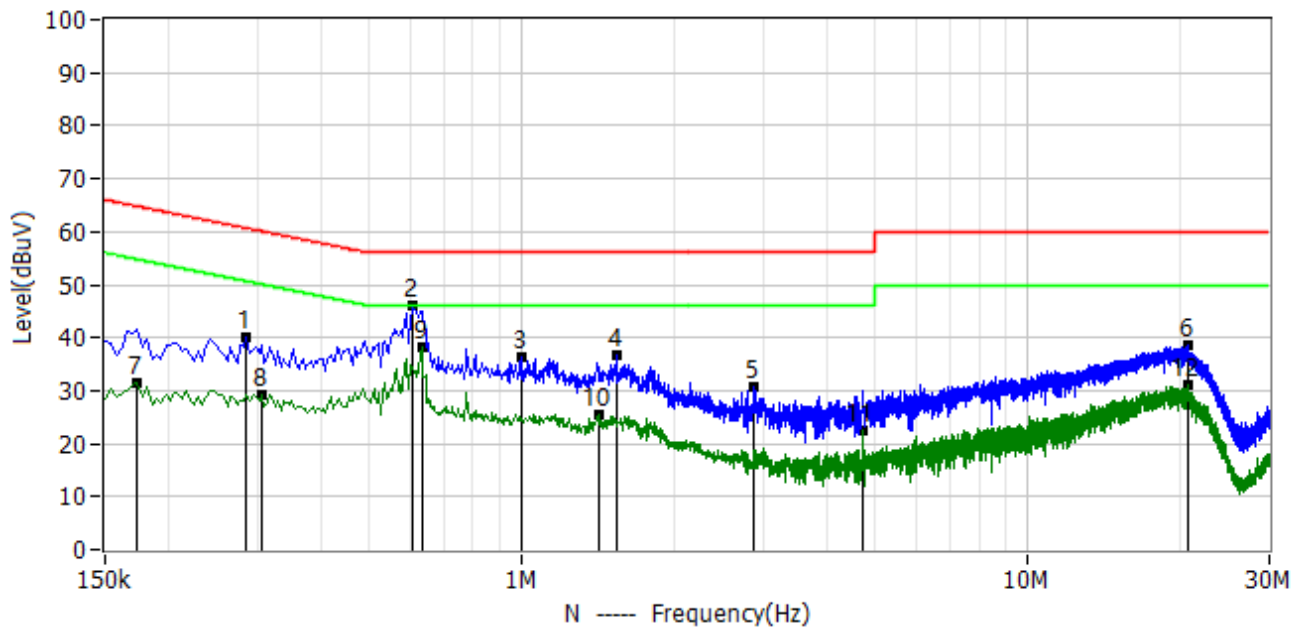
Project: LGT25L465	Test Engineer: LiuH
EUT: 5G Smart phone	Temperature: 23.5°C
M/N: OB-A98	Humidity: 54%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-12-31
Test Mode: NFC	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.174	33.02	10.65	43.67	64.77	-21.10	QP	L1
2*	0.418	31.84	10.87	42.71	57.49	-14.78	QP	L1
3*	0.618	35.24	10.93	46.17	56.00	-9.83	QP	L1
4*	1.586	28.20	11.14	39.34	56.00	-16.66	QP	L1
5*	4.714	19.21	11.31	30.52	56.00	-25.48	QP	L1
6*	20.738	25.65	11.84	37.49	60.00	-22.51	QP	L1
7*	0.174	25.35	10.65	36.00	54.77	-18.77	AV	L1
8*	0.430	22.58	10.88	33.46	47.25	-13.79	AV	L1
9*	0.618	26.60	10.93	37.53	46.00	-8.47	AV	L1
10*	1.442	17.68	11.12	28.80	46.00	-17.20	AV	L1
11*	4.718	11.19	11.31	22.50	46.00	-23.50	AV	L1
12*	20.858	18.38	11.84	30.22	50.00	-19.78	AV	L1



Project: LGT25L465	Test Engineer: LiuH
EUT: 5G Smart phone	Temperature: 23.5°C
M/N: OB-A98	Humidity: 54%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-12-31
Test Mode: NFC	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.286	29.27	10.74	40.01	60.64	-20.63	QP	N
2*	0.610	35.05	10.86	45.91	56.00	-10.09	QP	N
3*	0.994	25.64	10.84	36.48	56.00	-19.52	QP	N
4*	1.534	25.50	11.10	36.60	56.00	-19.40	QP	N
5*	2.874	19.35	11.22	30.57	56.00	-25.43	QP	N
6*	20.702	26.86	11.79	38.65	60.00	-21.35	QP	N
7*	0.174	20.92	10.63	31.55	54.77	-23.22	AV	N
8*	0.306	18.41	10.77	29.18	50.08	-20.90	AV	N
9*	0.634	27.31	10.86	38.17	46.00	-7.83	AV	N
10*	1.426	14.25	11.06	25.31	46.00	-20.69	AV	N
11*	4.718	11.28	11.30	22.58	46.00	-23.42	AV	N
12*	20.666	19.26	11.79	31.05	50.00	-18.95	AV	N



APPENDIX I - PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

APPENDIX II - PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Note: Please see the attached OB-A98_EUT Photos.

*****END OF THE REPORT*****