TEST REPORT

For FCC Part15B

Report No. CHTEW23070069R1 Report verification:

Project No. SHT2408001102W

FCC ID.....: 2ASWWFENIX93G

Applicant's name.....: XINCHUANGXIN INTERNATIONAL CO.,LTD

YUEN STREET MONGKOK KL

Product Name: Tablet

Trade Mark CORN

Model No. Fenix9 3G

Listed Model(s) Magic9 3G, The leader tab9 3G

Standard: FCC CFR Title 47 Part 15 Subpart B

Date of receipt of test sample..... Aug. 02, 2024

Date of testing...... Aug. 03, 2024- Aug. 14, 2024

Date of issue...... Aug. 21, 2024

Result...... Pass

Compiled by

(position+printed name+signature)...: File administrators Xiaodong Zhao

Xiaodomy Zhe

Supervised by

(position+printed name+signature)...: Project Engineer Xiaodong Zhao

Xiaodony Zhe

Approved by

(position+printed name+signature)...: Manager Xu Yang

Testing Laboratory Name: Shenzhen Huatongwei International Inspection Co., Ltd.

Address...... Building 7, Baiwang Idea Factory, No.1051, Songbai Road,

Yangguang Community, Xili Subdistrict, Nanshan District,

Shenzhen, Guangdong, China

Shenzhen Huatongwei International Inspection Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen Huatongwei International Inspection Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen Huatongwei International Inspection Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

The test report merely corresponds to the test sample.

Report No.: CHTEW23070069R1 Page: 2 of 23 Date of issue: 2024-08-21

Contents

<u>1.</u>	1EST STANDARDS AND REPORT VERSION	<u> ა</u>
		_
1.1.	Test Standards	3
1.2.	Report version information	3
<u>2.</u>	TEST DESCRIPTION	4
<u>3.</u>	SUMMARY	<u>5</u>
3.1.	Client Information	5
3.2.	Product Description	5
3.3.	Testing Laboratory Information	5
<u>4.</u>	TEST CONFIGURATION	6
4.1.	Descriptions of test mode	6
4.2.	Configuration of Tested System	6
4.3.	Support unit used in test configuration	7
4.4.	Environmental conditions	7
4.5.	Statement of the measurement uncertainty	7
4.6.	Equipments Used during the Test	8
<u>5.</u>	TEST CONDITIONS AND RESULTS	9
5.1.	Conducted Emissions	9
5.2.	Radiated Emissions	12
<u>6.</u>	TEST SETUP PHOTOS OF THE EUT	20
7.	EXTERNAL AND INTERNAL PHOTOS OF THE EUT	23

Report No.: CHTEW23070069R1 Page: 3 of 23 Date of issue: 2024-08-21

1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

FCC CFR Title 47 Part 15 Subpart B - Unintentional Radiators

ANSI C63.4: 2014 – American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40GHz

1.2. Report version information

Revision No.	Date of issue	Description
N/A	2023-07-19	Original
R1	2024-08-21	Add coverage models and update product photos. Update test data.

Report No.: CHTEW23070069R1 Page: 4 of 23 Date of issue: 2024-08-21

2. TEST DESCRIPTION

Section	Test Item	Section in CFR 47	Result #1	Test Engineer
5.1	Conducted Emissions	15.107(a)	PASS	Hongtao Meng
5.2	Radiated Emissions	15.109(a)	PASS	Yifan Wang
				Haoxin Luo

Note:

#1: The test result does not include measurement uncertainty value

Report No.: CHTEW23070069R1 Page: 5 of 23 Date of issue: 2024-08-21

3. **SUMMARY**

3.1. Client Information

Applicant:	XINCHUANGXIN INTERNATIONAL CO.,LTD	
Address:	ROOM 605 6/F, FA YUEN COMMERCIAL BUILDING, 75-77 FA YUEN STREET MONGKOK KL	
Manufacturer:	Shenzhen Chiteng Technology Co.,LTD	
Address:	Second Floor, Area A, Building 4, Huiye Technology Workshop, Guanguang Road, Tangjia Community, Gongming Street, Guangming New District, Shenzhen, Guangdong	

3.2. Product Description

Main unit information:		
Product Name:	Tablet	
Trade Mark:	CORN	
Model No.:	Fenix9 3G	
Listed Model(s):	Magic9 3G, The leader tab9 3G	
Power supply:	DC 3.8V from Battery	
Hardware version:	P30-7731E-V1.0	
Software version:	S8637E_7731E_10_CT_Star9_3G_20220803	

3.3. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China		
	Tel: 86-755-26715499		
Connect information:	E-mail: cs@szhtw.com.cn		
	http://www.szhtw.com.cn		
	Туре	Accreditation Number	
Qualifications	FCC Registration Number	762235	
	FCC Designation Number	CN1181	

Report No.: CHTEW23070069R1 Page: 6 of 23 Date of issue: 2024-08-21

4. TEST CONFIGURATION

4.1. Descriptions of test mode

Test mode	Description
Camera recording mode	Keep the EUT in Camera recording status
Video Playing mode	Keep the EUT in Video Playing status

Pre-scan above all test mode, found below test mode which it was worse case mode, so only show the test data for worse case mode on the test report

Test Item	Test mode for worse case	
Conducted Emissions	Camera recording mode	
Radiated Emissions	Camera recording mode	

4.2. Configuration of Tested System

nzi comigaration of foctori			
Test mode	Configuration		
	AC Adapter EUT Earphone		
Other modes			

Report No.: CHTEW23070069R1 Page: 7 of 23 Date of issue: 2024-08-21

4.3. Support unit used in test configuration

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Whether support unit is used?			
✓	No		
Item	Equipment	Trade Name	Model No.
1			
2			
3			
4			
5			

4.4. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

4.5. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	AC Conducted Emission	3.21dB
2	Radiated Emission	4.54dB for 30MHz-1GHz 5.10dB for above 1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

Report No.: CHTEW23070069R1 Page: 8 of 23 Date of issue: 2024-08-21

4.6. Equipments Used during the Test

•	Conducted E	mission					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	EMI Test Receiver	R&S	HTWE0111	HTWE0111 ESCI 101247 2023/8/22		2023/8/22	2024/8/21
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2023/8/18	2024/8/17
•	Protection Network	SCHWARZBECK	HTWE0567	VTSD9561FN	00899	2023/8/18	2024/8/17
•	ISN	FCC	HTWE0148	FCC-TLISN-T2- 02	20371	2023/8/18	2024/8/17
•	ISN	FCC	HTWE0150	FCC-TLISN-T8- 02	20375	2023/8/18	2024/8/17
•	Test Software	R&S	N/A	EMC32	N/A	N/A	N/A

•	Radiated Emission - 30MHz~1GHz											
Used	Test Equipment	Manufacturer	Equipment No.	Model No. Serial No.		Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)					
•	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2023/04/06	2026/04/05					
•	EMI Test Receiver	R&S	HTWE0099	ESCI 7	100900	2023/8/30	2024/8/29					
•	Ultra-Broadband Antenna	SCHWARZBEC K	HTWE0119	VULB9163	546	2023/2/22	2026/2/21					
•	Pre-Amplifer	SCHWARZBEC K	HTWE0295	BBV 9742	/	2024/5/24	2025/5/23					
•	Test Software	R&S	N/A	EMC32	N/A	N/A	N/A					

•	Radiated em	ission-Above	1GHz				
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	C11121	2023/04/17	2026/04/16
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2023/08/22	2024/08/21
•	Horn Antenna	SCHWARZBE CK	HTWE0126	BBHA 9120D	1011	2023/02/14	2026/02/13
•	Horn Antenna	SCHWARZBE CK	HTWE0103	BBHA9170	BBHA9170472	2023/02/20	2026/02/19
•	Broadband Pre- amplifier	SCHWARZBE CK	HTWE0551	SCU18F	100855	2024/6/6	2025/6/5
•	Test Software	R&S	N/A	EMC32	N/A	N/A	N/A

Report No.: CHTEW23070069R1 Page: 9 of 23 Date of issue: 2024-08-21

5. TEST CONDITIONS AND RESULTS

5.1. Conducted Emissions

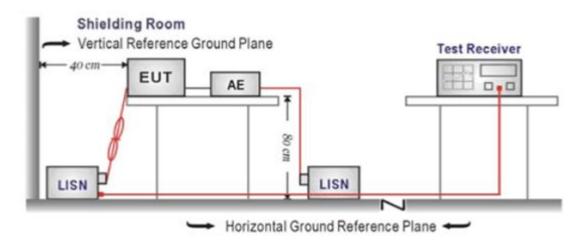
LIMIT

FCC CFR Title 47 Part 15 Subpart B Section 15.107:

Frequency range (MHz)	Limit (dBuV)					
Frequency range (MHz)	Quasi-peak	Average				
0.15-0.5	66 to 56*	56 to 46*				
0.5-5	56	46				
5-30	60	50				

^{*} Decreases with the logarithm of the frequency.

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup according to ANSI C63.4:2014
- 2. The EUT was placed on a plat form of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50ohm / 50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor,was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

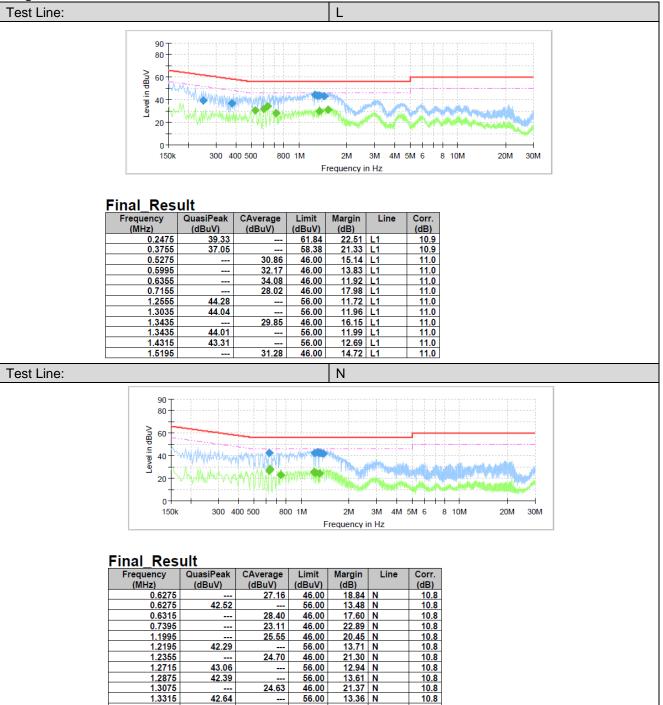
TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

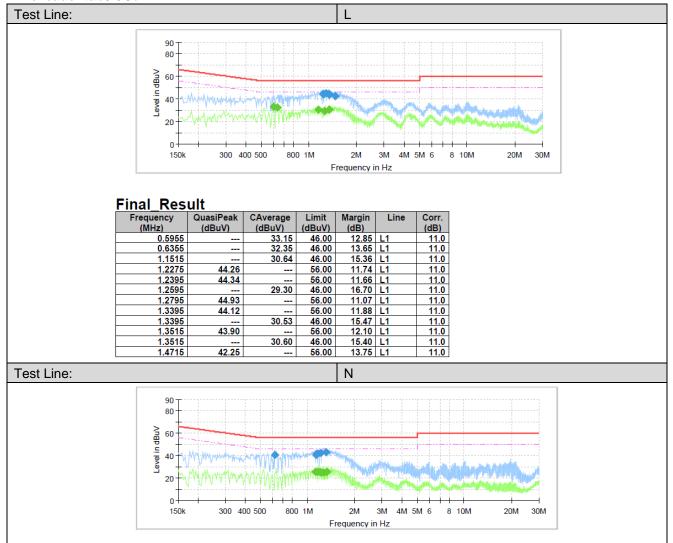
 Report No.: CHTEW23070069R1 Page: 10 of 23 Date of issue: 2024-08-21

Magic9 3G:



Report No.: CHTEW23070069R1 Page: 11 of 23 Date of issue: 2024-08-21

The leader tab9 3G:



Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.6195	40.85		56.00	15.15	N	10.8
1.1275		25.87	46.00	20.13	N	10.8
1.1315	41.18		56.00	14.82	N	10.8
1.1365	40.69		56.00	15.31	N	10.8
1.1595	42.05		56.00	13.95	N	10.8
1.1675		25.74	46.00	20.26	N	10.8
1.1955		25.61	46.00	20.39	N	10.8
1.2115	42.35		56.00	13.65	N	10.8
1.2315		24.93	46.00	21.07	N	10.8
1.2675		24.89	46.00	21.11	N	10.8
1.3195	42.88		56.00	13.12	N	10.8
1.3315		25.36	46.00	20.64	N	10.8

Report No.: CHTEW23070069R1 Page: 12 of 23 Date of issue: 2024-08-21

5.2. Radiated Emissions

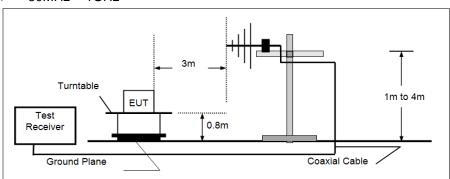
LIMIT

FCC CFR Title 47 Part 15 Subpart B Section 15.109

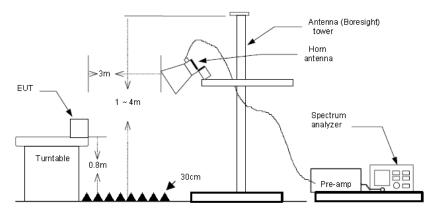
Frequency	Limit (dBuV/m @3m)	Value		
30MHz-88MHz	40.00	Quasi-peak		
88MHz-216MHz	43.50	Quasi-peak		
216MHz-960MHz	46.00	Quasi-peak		
960MHz-1GHz	54.00	Quasi-peak		
Above 1GHz	54.00	Average		
Above 10112	74.00	Peak		

TEST CONFIGURATION

➢ 30MHz ~ 1GHz



Above 1GHz



TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.4:2014.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground.
- 3. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 4. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 5. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna.
- 6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1GHz,
 - RBW=120KHz, VBW=300KHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, theemission measurement will be repeated using the quasi-peak detector and reported.
 - (3) From 1GHz to 5th harmonic, RBW=1MHz, VBW=3MHz

Report No.: CHTEW23070069R1 Page: 13 of 23 Date of issue: 2024-08-21

TEST MODE:

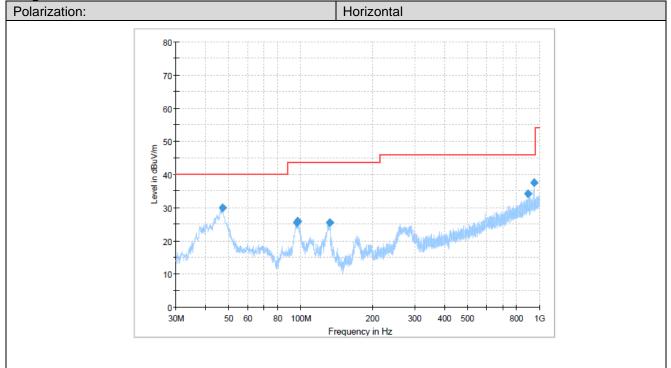
Please refer to the clause 3.3

TEST RESULTS

Note: Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor The emission levels of frequency above 6GHz are very lower than limit and not show in test report.

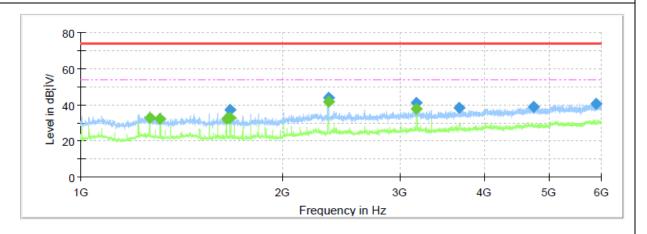
Report No.: CHTEW23070069R1 Page: 14 of 23 Date of issue: 2024-08-21

Magic9 3G:



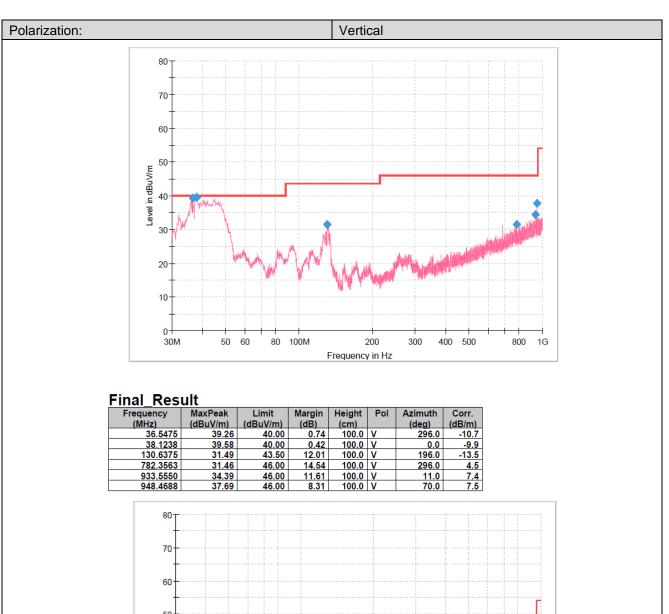
Final Result

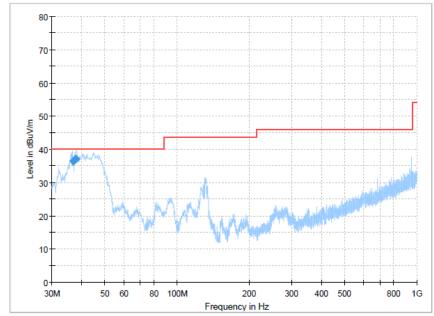
I IIIai Itos	mai result											
Frequency	MaxPeak	Limit	Margin	Height	Pol	Azimuth	Corr.					
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)					
47.2175	30.04	40.00	9.96	300.0	Н	90.0	-8.3					
96.3238	25.46	43.50	18.04	300.0	Н	316.0	-10.9					
97.1725	25.89	43.50	17.61	300.0	Н	132.0	-10.8					
131.8500	25.58	43.50	17.92	100.0	Н	66.0	-13.6					
894.9975	34.24	46.00	11.76	300.0	Н	349.0	7.0					
948.4688	37.45	46.00	8.55	100.0	Н	295.0	7.5					



Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.
(MHz)	(dB¦ I V/m	(dB¦ I V/m	(dB¦ Ì V/m	(dB)	(cm)		(deg)	(dB/m)
1266.875000		32.97	54.00	21.03	150.0	Н	66.0	-12.8
1314.375000		32.08	54.00	21.92	150.0	Н	134.0	-12.5
1649.375000		32.06	54.00	21.94	150.0	Н	145.0	-13.1
1672.500000	37.36		74.00	36.64	150.0	Н	66.0	-13.1
1673.125000		32.93	54.00	21.07	150.0	Н	112.0	-13.1
2342.500000		41.60	54.00	12.40	150.0	Н	156.0	-9.4
2342.500000	44.14		74.00	29.86	150.0	Н	156.0	-9.4
3176.875000	40.86		74.00	33.14	150.0	Н	179.0	-7.2
3176.875000		37.80	54.00	16.20	150.0	Н	179.0	-7.2
3681.250000	38.49		74.00	35.51	150.0	Н	290.0	-6.4
4753.125000	38.75		74.00	35.25	150.0	Н	246.0	-3.2
5885.000000	40.57		74.00	33.43	150.0	Н	156.0	-0.3

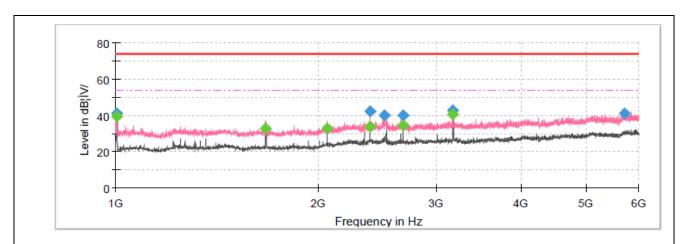
Report No.: CHTEW23070069R1 Page: 15 of 23 Date of issue: 2024-08-21





1	Frequency	QuasiPeak	Limit	Margin	Height	Pol	Azimuth	Corr.
L	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)
	36.8075	36.44	40.00	3.56	100.0	V	357.0	-10.6
	37.8238	37.02	40.00	2.98	100.0	V	0.0	-10.1
-								

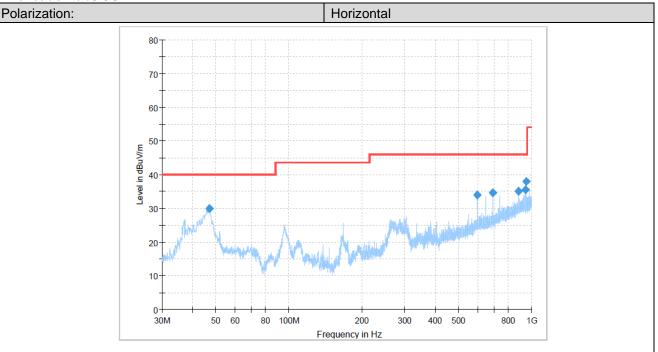
Report No.: CHTEW23070069R1 Page: 16 of 23 Date of issue: 2024-08-21



i mai_resuit											
Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.			
(MHz)	(dB¦ Ì V/m	(dB¦ Ì V/m	(dB¦ Ì V/m	(dB)	(cm)		(deg)	(dB/m)			
1003.750000		39.55	54.00	14.45	150.0	V	57.0	-14.3			
1004.375000	41.36		74.00	32.64	150.0	V	46.0	-14.3			
1673.125000		32.85	54.00	21.15	150.0	V	283.0	-13.1			
2062.500000		33.01	54.00	20.99	150.0	V	24.0	-10.7			
2388.750000		33.95	54.00	20.05	150.0	V	80.0	-9.5			
2390.000000	41.96		74.00	32.04	150.0	V	102.0	-9.5			
2511.875000	39.89		74.00	34.11	150.0	V	102.0	-9.5			
2676.875000	39.92		74.00	34.08	150.0	V	294.0	-9.2			
2677.500000		34.72	54.00	19.28	150.0	V	294.0	-9.2			
3176.875000	42.62		74.00	31.38	150.0	V	102.0	-7.2			
3176.875000		40.78	54.00	13.22	150.0	V	102.0	-7.2			
5702.500000	40.83		74.00	33.17	150.0	V	35.0	-1.0			

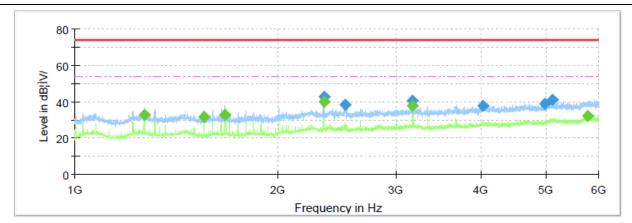
Report No.: CHTEW23070069R1 Page: 17 of 23 Date of issue: 2024-08-21

The leader tab9 3G:



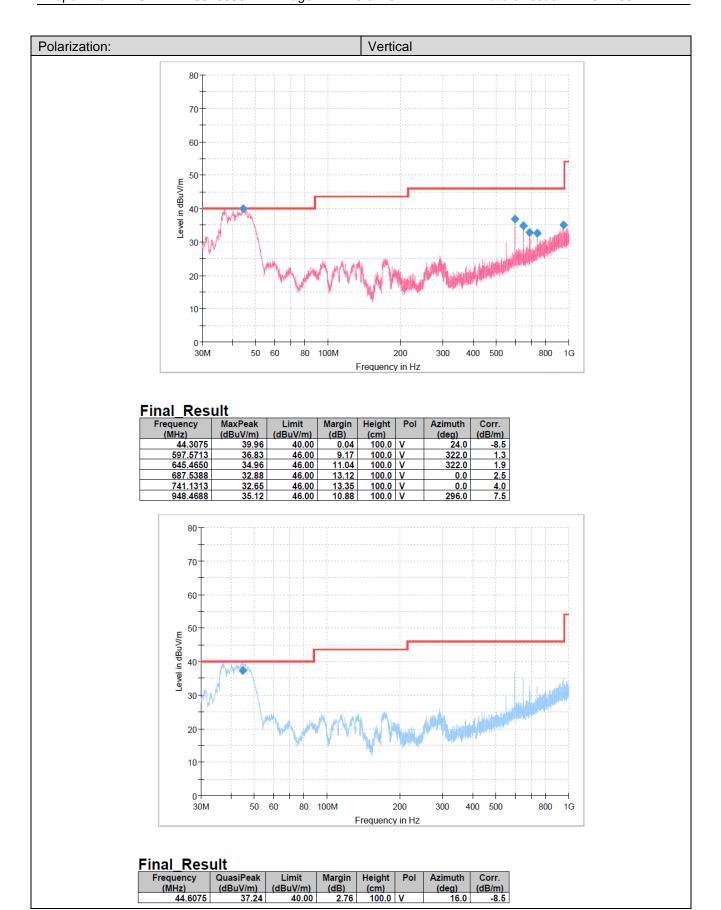
Final Result

I IIIai_I\c3	mai_nesuit										
Frequency	MaxPeak	Limit	Margin	Height	Pol	Azimuth	Corr.				
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)				
46.9750	29.87	40.00	10.13	300.0	Н	110.0	-8.3				
597.5713	33.88	46.00	12.12	300.0	Н	252.0	1.3				
693.2375	34.58	46.00	11.42	100.0	Н	66.0	2.6				
884.4488	34.98	46.00	11.02	100.0	Н	24.0	6.7				
945.1950	35.43	46.00	10.57	100.0	Н	234.0	7.5				
948.4688	37.93	46.00	8.07	100.0	Н	333.0	7.5				

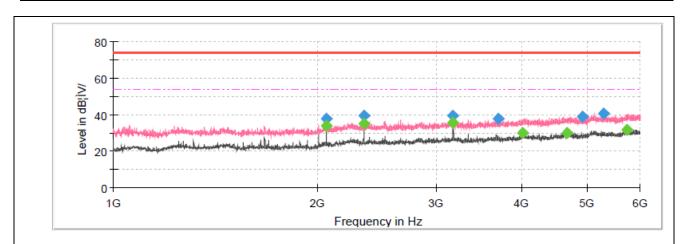


Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.
(MHz)	(dB¦ Ì V/m	(dB¦ Ì V/m	(dB¦ Ì V/m	(dB)	(cm)		(deg)	(dB/m)
1266.875000		32.74	54.00	21.26	150.0	Н	70.0	-12.8
1553.750000		31.70	54.00	22.30	150.0	Н	13.0	-13.0
1673.125000		33.04	54.00	20.96	150.0	Н	70.0	-13.1
2342.500000		40.15	54.00	13.85	150.0	Н	160.0	-9.4
2342.500000	42.55		74.00	31.46	150.0	Н	160.0	-9.4
2518.125000	38.43		74.00	35.57	150.0	Н	171.0	-9.5
3176.875000	40.36		74.00	33.64	150.0	Н	182.0	-7.2
3176.875000		37.58	54.00	16.42	150.0	Н	182.0	-7.2
4035.625000	38.00		74.00	36.00	150.0	Н	35.0	-4.9
4986.250000	39.13		74.00	34.87	150.0	Н	171.0	-2.8
5127.500000	41.22		74.00	32.78	150.0	Н	283.0	-2.0
5768.125000		32.21	54.00	21.79	150.0	Н	35.0	-0.7

Report No.: CHTEW23070069R1 Page: 18 of 23 Date of issue: 2024-08-21



Report No.: CHTEW23070069R1 Page: 19 of 23 Date of issue: 2024-08-21



·								
Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.
(MHz)	(dB¦ Ì V/m	(dB¦ Ì V/m	(dB¦ Ì V/m	(dB)	(cm)		(deg)	(dB/m)
2062.500000		33.88	54.00	20.12	150.0	V	0.0	-10.7
2062.500000	37.75		74.00	36.25	150.0	V	0.0	-10.7
2342.500000		34.79	54.00	19.21	150.0	V	123.0	-9.4
2343.125000	39.35		74.00	34.65	150.0	V	123.0	-9.4
3176.875000		35.32	54.00	18.68	150.0	V	179.0	-7.2
3177.500000	39.62		74.00	34.38	150.0	V	212.0	-7.2
3700.000000	37.75		74.00	36.25	150.0	٧	257.0	-6.3
4015.625000		29.92	54.00	24.08	150.0	V	145.0	-5.0
4686.250000		30.10	54.00	23.90	150.0	V	337.0	-3.4
4931.250000	38.89		74.00	35.11	150.0	V	201.0	-3.0
5288.750000	40.46		74.00	33.54	150.0	٧	348.0	-2.3
5737.500000		31.64	54.00	22.36	150.0	٧	212.0	-0.8

Report No.: CHTEW23070069R1 Page: 20 of 23 Date of issue: 2024-08-21

6. TEST SETUP PHOTOS OF THE EUT

Conducted Emissions (AC Mains)

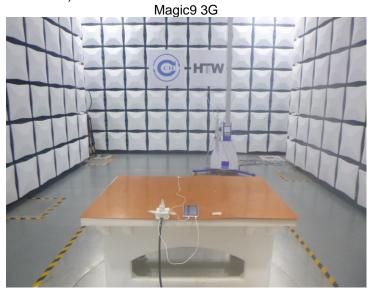


The leader tab9 3G



Report No.: CHTEW23070069R1 Page: 21 of 23 Date of issue: 2024-08-21

Radiated Emissions (30MHz-1GHz)





Report No.: CHTEW23070069R1 Page: 22 of 23 Date of issue: 2024-08-21

Radiated Emissions (Above 1GHz)





Report No.: CHTEW23070069R1 Page: 23 of 23 Date of issue: 2024-08-21

7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Refer to the test report No.: CHTEW23070065R1

-----End of Report-----