

	<b>TEST REPOR</b>	T		
FCC ID::	2BAHU2023001			
Test Report No::	TCT230524E050			
Date of issue::	May 30, 2023	May 30, 2023		
Testing laboratory:	SHENZHEN TONGCE TESTING	G LAB		
Testing location/ address:	2101 & 2201, Zhenchang Factor Subdistrict, Bao'an District, Sher People's Republic of China	-		
Applicant's name:	DIALN PRODUCTS INC.			
Address::	8312 Page Ave, Saint Louis, Mis	ssouri 63130, United St	ates	
Manufacturer's name:	SHENZHEN JREN TECHNOLO	GY CO., LTD		
Address::	B Area, 9/F, A4 Building, Tianrui Industrial Park, No. 35, Fuyuan 1st Road, Zhancheng, Fuhai, Baoan District, Shenzhen, China.			
Standard(s):	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part22 FCC CFR Title 47 Part24 FCC CFR Title 47 Part27			
Product Name::	LTE Tablet			
Trade Mark:	DIALN			
Model/Type reference:	X8G, X8M, X8L			
Rating(s):	Adapter Information: Model: BOS050200-01A Input: AC 100-240V, 50/60Hz, 0.45A Output: DC 5V, 2000mA Rechargeable Li-ion Battery DC 3.7V			
Date of receipt of test item	May 24, 2023			
Date (s) of performance of test:	May 24, 2023 - May 30, 2023			
Tested by (+signature):	Aaron MO			
Check by (+signature):	Beryl ZHAO Roy( TCT)			
Approved by (+signature):	Tomsin	Toms it's		

### General disclaimer:

This report shall not be reproduced except in full, without the written approval of SHENZHEN TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.





# **Table of Contents**

1.	General Pr							
	1.1. EUT des	cription		(80)				3
	1.2. Model(s)	list						4
	1.3. Operation	n Frequenc	y		()			4
2.	Test Resul	t Summary	<i>y</i>					5
3.	General Inf	ormation.						6
	3.1. Test env	rironment ar	nd mode	(0)		(c)		6
	3.2. Descript	ion of Supp	ort Units					7
	3.3. Configu	ation of Tes	sted Syste	em				8
	3.4. Measure	ment Resul	ts Explana	ation Exar	nple		(0)	8
4.	Facilities a							
	4.1. Facilities							
	4.2. Location			80)		(0)		9
	4.3. Measure	ment Uncer	tainty					9
5.	Test Resul							
	5.1. Field Str	ength of Sp	urious Ra	diation Mo	easureme	nt		10
Ap	pendix B: P	hotograph	s of Tes	t Setup				
Ap	pendix C: P	hotograph	s of EU					



1.1. EUT description

1. General Product Information

Product Name:	LTE Tablet	
Model/Type reference:	X8G	
Sample Number:	TCT230524E027-0101	
3G Version:	WCDMA: R99 HSDPA: Release 5 HSUPA: Release 6	
Tx Frequency::	GPRS/EGPRS 850: 824.2MHz ~ 848.8MHz GPRS/EGPRS 1900: 1850.2MHz ~ 1909.8MHz WCDMA Band V: 826.4MHz ~ 846.6MHz WCDMA Band IV: 1712.4MHz ~ 1752.6MHz WCDMA Band II: 1852.4MHz ~ 1907.6MHz	
Rx Frequency:	GPRS/EGPRS 850: 869.2MHz ~ 893.8MHz GPRS/EGPRS 1900: 1930.2MHz ~ 1989.8MHz WCDMA Band V: 871.4MHz ~ 891.6MHz WCDMA Band IV: 2112.4MHz ~ 2152.6MHz WCDMA Band II: 1932.4MHz ~ 1987.6MHz	(C)
Maximum Output Power to Antenna:	GPRS850: 32.64dBm GPRS1900: 29.19dBm EGPRS850: 28.00dBm EGPRS1900: 24.75dBm WCDMA Band V: 22.98dBm WCDMA Band IV: 22.85dBm WCDMA Band II: 22.41dBm	
99% Occupied Bandwidth:	GPRS850 Class 8: 245KGXW GPRS1900 Class 8: 244KGXW EGPRS850 Class 8: 245KG7W EGPRS1900 Class 8: 244KG7W WCDMA Band V RMC 12.2Kbps: 4M17F9W WCDMA Band IV RMC 12.2Kbps: 4M17F9W WCDMA Band II RMC 12.2Kbps: 4M17F9W	
Type of Modulation:	GPRS: GMSK EGPRS: 8PSK WCDMA/HSDPA/HSUPA: QPSK	
Antenna Type:	Internal Antenna	
Antenna Gain:	GPRS/EGPRS 850: 1.34dBi GPRS/EGPRS 1900: 2.23dBi WCDMA Band V: 1.34dBi WCDMA Band IV: 2.03dBi WCDMA Band II: 2.23dBi	

Report No.: TCT230524E050



Adapter Information: Model: BOS050200-01A

Rating(s)...... Input: AC 100-240V, 50/60Hz, 0.45A

Output: DC 5V, 2000mA

Rechargeable Li-ion Battery DC 3.7V

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

### 1.2. Model(s) list

No.	Model No.	Tested with
1	X8G	
Other models	X8M, X8L	

Note: X8G is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of X8G can represent the remaining models.

### 1.3. Operation Frequency

SSM 850	P	CS1900
Frequency (MHz)	Channel:	Frequency (MHz)
824.20	512	1850.20
824.40	513	1850.40
.,		
836.40	660	1879.80
836.60	661	1880.00
836.80	662	1880.20
(6)		(c) (c)
848.60	809	1909.60
848.80	810	1909.80
	Frequency (MHz) 824.20 824.40 836.40 836.60 836.80 848.60	Frequency (MHz)         Channel:           824.20         512           824.40         513               836.40         660           836.60         661           836.80         662               848.60         809

WCDMA	Band IV	WCDM	IA Band V	WCDMA Band II	
Channel:	Frequency (MHz)	Channel:	Frequency (MHz)	Channel:	Frequency (MHz)
1312	1712.4	4132	826.40	9262	1852.40
		4133	826.60	9263	1852.60
		4182	836.40	9399	1879.80
1413	1732.6	4183	836.60	9400	1880.00
		4184	836.80	9401	1880.20
			···		
1513	1752.6	4233	846.60	9538	1907.60

Report No.: TCT230524E050





# 2. Test Result Summary

Requirement	CFR 47 Section		Result	
Conducted Output Power	§22.913; §2.1046 §24.232; §27.50(d)	(5)	PASS	C
Peak-to-Average Ratio	§2.1046; §24.232(d) §22.913; §27.50(d)		PASS	
Effective Radiated Power	§2.1046; §22.913(a) §24.232; §27.50(d)		PASS	(c)
Equivalent Isotropic Radiated Power	§2.1046; §22.913(a) §24.232; §27.50(d)		PASS	
Occupied Bandwidth	§2.1049		PASS	
Band Edge	§2.1051 §22.917(a) §24.238(a) §27.53(g)	(3)	PASS	Ç
Conducted Spurious Emission	§2.1051; §22.917 §24.238; §27.53(h)		PASS	
Field Strength of Spurious Radiation	§2.1053; §22.917(a) §24.238; §27.53(g)	(5)	PASS	(C)
Frequency Stability for Temperature & Voltage	§2.1055; §22.355 §24.235; §27.54		PASS	

#### Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.
- 5. Those test results (Conducted Output Power, Peak-to-Average Ratio, Effective Radiated Power, Equivalent Isotropic Radiated Power, Occupied Bandwidth, Band Edge, Conducted Spurious Emission, Frequency Stability for Temperature & Voltage) was based on FCC ID: 2BAHU2023001; Change product model No. and shell material of EUT.



TECHNOLOGY Report No.: TCT230524E050

### 3. General Information

#### 3.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar

Remark: This product has a built-in rechargeable battery, so in an independent test, the EUT battery was fully-charged.

Keep the EUT in communication with CMU200 and select channel with modulation All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

Test Mode			
Band	Radiated TCs	Conducted TCs	
GSM 850	GPRS class 12 Link EGPRS class 12 Link	GPRS class 12 Link EGPRS class 12 Link	
PCS 1900	GPRS class 12 Link EGPRS class 12 Link	GPRS class 12 Link EGPRS class 12 Link	
WCDMA Band V	RMC 12.2Kbps Link	RMC 12.2Kbps Link	
WCDMA Band IV	RMC 12.2Kbps Link	RMC 12.2Kbps Link	
WCDM Band II	RMC 12.2Kbps Link	RMC 12.2Kbps Link	

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power. Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission. The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarization. The emissions worst-case (Z axis)are shown in Test Results of the following pages.

Page 6 of 19



Report No.: TCT230524E050

## 3.2. Description of 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.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
	1	/		

#### Note:

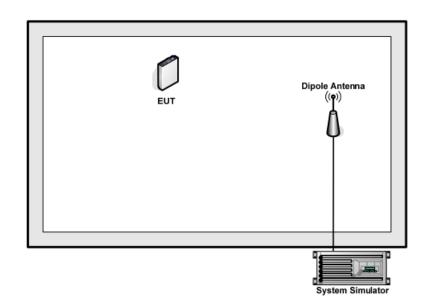
- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.





TESTING CENTRE TECHNOLOGY Report No.: TCT230524E050

## 3.3. Configuration of Tested System



### 3.4. Measurement Results Explanation Example

#### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level. The spectrum analyzer offset is derived from RF cable loss and attenuator factor. Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 3 dB and a 5dB attenuator.

Example: Offset (dB) = RF cable loss (dB) + attenuator factor (dB). = 8(dB)





Page 8 of 19



4. Facilities and Accreditations

#### 4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

**Designation Number: CN1205** 

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

#### 4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

### 4.3. Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expended 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	MU
1	Conducted Emission	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz) ± 4.56 dB	
5	All emissions, radiated(1 GHz - 18 GHz) ± 4.22 dB	
6	All emissions, radiated(18 GHz- 40 GHz) ± 4.36 dB	
7	Temperature	± 0.1°C
8	Humidity	± 1.0%

Report No.: TCT230524E050



Report No.: TCT230524E050

### 5. Test Results and Measurement Data

# 5.1. Field Strength of Spurious Radiation Measurement

### 5.1.1. Test Specification

Test Requirement:	FCC part 22.917(a) and FCC part 24.238(a) FCC part 27.53(g)
Test Method:	FCC KDB 971168 D01v03r01
Operation mode:	Refer to item 3.1
Limit:	-13dBm
Test setup:	For 30MHz~1GHz  RX Antenna  Ant. feed point  Metal Full Soldered Ground Plane  System Simulator  Ant. feed point  Spectrum Analyzer / Receiver  Ahove 1GHz  Ant. feed point  Spectrum Analyzer / Receiver  Spectrum Analyzer / Receiver
Test Procedure:	<ol> <li>The testing follows FCC KDB 971168 D01v03r01         Section 6 and ANSI / TIA-603-D-2010 Section 2.2.12.</li> <li>The EUT was placed on a rotatable wooden table 0.8         meters above the ground.</li> <li>The EUT was set 3 meters from the receiving         antenna, which was mounted on the antenna tower.</li> <li>The table was rotated 360 degrees to determine the         position of the highest spurious emission.</li> <li>The height of the receiving antenna is varied between         one meter and four meters to search for the maximum         spurious emission for both horizontal and vertical         polarizations.</li> </ol>



	<ul> <li>maximum spurious emission.</li> <li>7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.</li> <li>8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.</li> <li>9. Taking the record of output power at antenna port.</li> <li>10. Repeat step 7 to step 8 for another polarization.</li> <li>11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain</li> <li>12. ERP (dBm) = EIRP - 2.15</li> <li>13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> <li>14. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)</li> <li>= P(W) - [43 + 10log(P)] (dB)</li> <li>= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)</li> <li>= -13dBm.</li> </ul>
Test results:	PASS
Remark:	All modulations have been tested, but only the worst modulation show in this test item.





### 5.1.2. Test Instruments

Radiated Emission Test Site (966)									
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due					
Universal Radio Communication Tester	R&S	CMU200	110188	Jul. 04, 2023					
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 03, 2023					
Signal Generator	HP	83623B	3614A00396	Feb. 24, 2024					
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 05, 2023					
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 05, 2023					
Broadband Antenna	Schwarzbeck	VULB9163	412	Jul. 05, 2023					
Horn Antenna	Schwarzbeck	BBHA 9120D	1201	Jul. 05, 2023					
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 24, 2024					
Coaxial cable	SKET	RC-18G-N-M		Feb. 24, 2024					
Coaxial cable	SKET	RC_40G-K-M	/	Feb. 24, 2024					
Antenna Mast	Keleto	RE-AM	) /						
EMI Test Software	Shurple Technology	EZ-EMC	1	1					





5.1.3. Test Data

### Frequency Range (9 kHz-30MHz)

Frequenc	cy (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)		
	(6)		(6) (6		
			0		
	<u></u>	Ch			

Note: 1. Emission Level=Reading+ Cable loss+Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement



Page 13 of 19

Report No.: TCT230524E050





Band	GSM 850			Test o	hannel:	Lowest	
Test mode:					Temperature :		
					Relative Humidity:		
Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.							
		Spurious	Emission				
Frequency		Level	Correction	Spurious	Limit	Result	
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	result	
		, ,	(dB)	(dBm)			
1648.4	Vertical	-60.30	23.12	-37.18			
2472.6	V	-68.22	23.20	-45.02			
3296.8	V	-80.56	23.28	-57.28	-13.00	PASS	
1648.4	Horizontal	-59.92	23.12	-36.80	(6)10.00	17.00	
2472.6	H	-66.59	23.20	-43.39			
3296.8	Н	-79.03	23.28	-55.75			
Band					hannel:	Middle	
Test mode:		<b>GSM 850</b>			erature :	25°C	
					Humidity:	56%	
Note: Spuriou	us emissions w			found more t	han 20dB bel	ow limit line.	
_		Spurious	Emission	_			
Frequency		Level	Correction	Spurious	Limit	Result	
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)		
10-0		, ,	(dB)	(dBm)			
1673.2	Vertical	-60.29	23.17	-37.12			
2509.8	V	-71.23	23.26	-47.97	ľζC	)	
3346.4	V	-80.15	23.38	-56.77	-13.00	PASS	
1673.2	Horizontal	-59.37	23.17	-36.20			
2509.8	Н	-68.03	23.26	-44.77			
3346.4	H, G	-80.90	23.38	-57.52	(C)	(¿G`)	
Band					hannel:	Highest	
Test mode:		<b>GSM 850</b>			erature :	25°C	
		··I · · · · · · · · · · · · · · · · · ·	000411		Humidity:	56%	
Note: Spuriou	us emissions w			tound more t	han 20dB bel	ow limit line.	
		Spurious	Emission		1		
Frequency	D. L. d d	Level	Correction	Spurious	Limit	Result	
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)		
4007.0	\		(dB)	(dBm)			
1697.6	Vertical	-62.38	23.23	-39.15			
2546.4	V	-72.23	23.32	-48.91			
3395.2	V	-79.56	23.44	-56.12	-13.00	PASS	
1697.6	Horizontal	-58.39	23.23	-35.16	100		
2546.4	H	-68.33	23.32	-45.01			
3395.2	H	-82.13	23.44	-58.69			





Band	Test			Test c	hannel:	Lowest
To at monday	PCS 1900		Tempe	Temperature :		
Test mode:				Relative	Humidity:	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were			ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	Nesuit
		(ubiii)	(dB)	(dBm)		
3700.4	Vertical	-67.02	23.49	-43.53		
5550.6	V	-76.06	23.75	-52.31		
7400.8	V	-83.64	23.89	-59.75	-13.00	PASS
3700.4	Horizontal	-64.32	23.49	-40.83	13.00	FAGG
5550.6	H	-71.40	23.75	-47.65		
7400.8	Н	-80.42	23.89	-56.53		
Band				Test c	hannel:	Middle
Test mode:		PCS 1900			erature :	25°C
					<b>Humidity:</b>	56%
Note: Spuriou	us emissions w			found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	rtoodit
		, ,	(dB)	(dBm)		
3760.0	Vertical	-67.76	23.58	-44.18		
5640.0	V	-77.49	23.85	-53.64	(, c	
7520.0	/ V	-75.94	23.99	-51.95	-13.00	PASS
3760.0	Horizontal	-64.61	23.58	-41.03	10.00	17.00
5640.0	Н	-77.54	23.85	-53.69		
7520.0	H	-82.35	23.99	-58.36		(.c)
Band				Test c	hannel:	Highest
Test mode:		PCS 1900			erature :	25°C
					<b>Humidity:</b>	56%
Note: Spuriou	us emissions w			found more t	han 20dB bel	ow limit line.
_		Spurious	Emission	_		
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	1100011
^ 22.2	.,,		(dB)	(dBm)		
3819.6	Vertical	-66.18	23.64	-42.54		
5729.4	V	-75.09	23.93	-51.16		
7639.2	V	-82.40	24.08	-58.32	-13.00	PASS
3819.6	Horizontal	-64.16	23.64	-40.52		
5729.4	/ H	-69.33	23.93	-45.40		
7639.2	Н	-82.01	24.08	-57.93		





Band	WCDMA Band V Test			Test c	hannel:	Lowest
Test mode:	RMC 12.2Kbps Link (QPSK)			Tempe	erature :	25°C
rest mode.	RIVIC 12.2	zvoh2 riii	K (QFSK)	Relative	<b>Humidity:</b>	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	Result
		(ubiii)	(dB)	(dBm)		
1652.8	Vertical	-73.72	23.14	-50.58		)
2479.2	V	-81.15	23.23	-57.92		
3305.6	V	-79.03	23.34	-55.69	-13.00	PASS
1652.8	Horizontal	-70.91	23.14	-47.77	-13.00	PASS
2479.2	H	-80.41	23.23	-57.18		
3305.6	Ι	-81.52	23.34	-58.18		
Band	WC	DMA Ban	d V	Test c	hannel:	Middle
Test mode:	DMC 12.1	2Kbps Lin	r (OBSK)	Tempe	erature :	25°C
rest mode:	RIVIC 12.2	zkobs riii	K (QFSK)	Relative	<b>Humidity:</b>	56%
Note: Spuriou	ıs emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization		Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
1673.2	Vertical	-70.65	23.17	-47.48		
2509.8	V	-81.68	23.26	-58.42	(,ć	
3346.4	/ V	-80.63	23.38	-57.25	12.00	PASS
1673.2	Horizontal	-69.51	23.17	-46.34	-13.00	PASS
2509.8	H	-82.22	23.26	-58.96		
3346.4	H	-80.39	23.38	-57.01		(.c.)
Band	WC	DMA Ban	d V	Test c	hannel:	Highest
To at we a day	DMC 40.4	NZh na 1 !n	L (ODCIA)	Tempe	erature :	25°C
Test mode:	RIVIC 12.2	2Kbps Lin	K (QPSK)	Relative	<b>Humidity:</b>	56%
Note: Spuriou	ıs emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Lovel	Correction	Spurious	Limit	Dogult
(MHz)	Polarization	Level	Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
1693.2	Vertical	-74.91	23.20	-51.71		
2539.8	V	-81.89	23.29	-58.60		
3386.4	V	-84.78	23.42	-61.36	-13.00	DACC
1693.2	Horizontal	-71.92	23.20	-48.72		PASS
2539.8	/ H	-80.64	23.29	-57.35		
3386.4	Н	-85.09	23.42	-61.67		





Band	WCDMA Band IV Test c			hannel:	Lowest	
Test mode:					erature :	25°C
rest mode.	RIVIC 12.2	zvoh2 riii	K (QFSK)	Relative	<b>Humidity:</b>	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	Nesuit
		(ubiii)	(dB)	(dBm)		
2452.3	Vertical	-82.89	23.16	-59.73		
3424.8	V	-81.58	23.37	-58.21		
5137.2	V	-83.34	23.65	-59.69	-13.00	PASS
2452.3	Horizontal	-81.09	23.16	-57.93	-13.00	FASS
3424.8	H	-81.51	23.37	-58.14		
5137.2	Н	-79.81	23.65	-56.16		
Band	WC	DMA Band	d IV	Test c	hannel:	Middle
Test mode:	DMC 12.1	2Kbps Lin	r (OBSK)	Tempe	erature :	25°C
		•	` '		<b>Humidity:</b>	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization		Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
2641.3	Vertical	-82.87	23.30	-59.57		
3465.2	V	-79.46	23.42	-56.04	(,c	
5197.8	\ \ \	-84.50	23.73	-60.77	-13.00	PASS
2641.3	Horizontal	-80.94	23.30	-57.64	-13.00	PASS
3465.2	H	-82.78	23.42	-59.36		
5197.8	H. C	-82.37	23.73	-58.64		(G)
Band	WC	DMA Band	d IV	Test c	hannel:	Highest
Test mode:	DMC 12.1	2Kbps Lin	r (OBSK)	Tempe	erature :	25°C
rest mode.	RIVIC 12.2	ruha riii	k (QPSK)	Relative	<b>Humidity:</b>	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	Nesuit
		, ,	(dB)	(dBm)		
3102.2	Vertical	-82.15	23.35	-58.80		
3505.2	V	-81.79	23.45	-58.34		
5257.8	V	-78.72	23.82	-54.90	-13.00	PASS
3102.2	Horizontal	-82.65	23.35	-59.30		FASS
3505.2	/ H	-81.37	23.45	-57.92		/
5257.8	Н	-85.82	23.82	-62.00		





Band	WCDMA Band II Test			Test c	hannel:	Lowest
Test mode:	RMC 12.2Kbps Link (QPSK)				erature :	25°C
rest mode.	RIVIC 12.2	TUPS LIII	K (QFSK)	Relative	<b>Humidity:</b>	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	Nesuit
		(ubiii)	(dB)	(dBm)		
3704.8	Vertical	-70.42	23.53	-46.89		
5557.2	V	-82.83	23.78	-59.05		
7409.6	V	-84.47	23.92	-60.55	-13.00	PASS
3704.8	Horizontal	-72.86	23.53	-49.33	-13.00	FASS
5557.2	H	-80.09	23.78	-56.31		
7409.6	Н	-84.51	23.92	-60.59		
Band	WC	DMA Ban	d II	Test c	hannel:	Middle
Test mode:	DMC 12.1	2Kbps Lin	r (OBSK)	Tempe	erature :	25°C
		•			<b>Humidity:</b>	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization		Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
3760.0	Vertical	-81.09	23.58	-57.51		
5640.0	V	-84.47	23.85	-60.62	(,c	
7520.0	V	-73.91	23.99	-49.92	-13.00	PASS
3760.0	Horizontal	-80.46	23.58	-56.88	-13.00	PASS
5640.0	H	-85.24	23.85	-61.39		
7520.0	H. C	-82.36	23.99	-58.37		(G)
Band	WC	DMA Ban	d II	Test c	hannel:	Highest
Test mode:	DMC 12.1	2Kbps Lin	r (OBSK)	Tempe	erature :	25°C
rest mode.	RIVIC 12.2	rups Fill	k (QPSK)	Relative	<b>Humidity:</b>	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB bel	ow limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	Nesuit
		(ubiii)	(dB)	(dBm)		
3815.2	Vertical	-73.71	23.62	-50.09		
5722.8	V	-81.08	23.90	-57.18		
7630.4	V	-82.28	24.05	-58.23	-13.00	PASS
3815.2	Horizontal	-72.61	23.62	-48.99		1 700
5722.8	/ H	-80.16	23.90	-56.26		
7630.4	Н	-81.78	24.05	-57.73		



Report No.: TCT230524E050

# **Appendix B: Photographs of Test Setup**

Refer to the test report No. TCT230524E027

# **Appendix C: Photographs of EUT**

Refer to the test report No. TCT230524E027

### \*\*\*\*\*END OF REPORT\*\*\*\*

