

	TEST REPOR	T					
FCC ID:	2BAHU2023001						
Test Report No::	TCT230524E028						
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.	DIALN PRODUCTS INC.					
Address::	8312 Page Ave, Saint Louis, Mis	ssouri 63130, United Sta	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 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013						
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 Output: DC 5V, 2000mA Rechargeable Li-ion Battery DC						
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	Auron Magce	(0)				
Check by (+signature):	Beryl ZHAO Roy TOT						
Approved by (+signature):	Tomsin	Joms is si					

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1. General Product Information

1.1. EUT description

Product Name:	LTE Tablet		
Model/Type reference:	X8G		
Sample Number:	TCT230524E027-0101		
Bluetooth Version:	V4.2 (This report is for BLE)	(3)	
Operation Frequency:	2402MHz~2480MHz		
Channel Separation:	2MHz	(E)	(c)
Data Rate:	LE 1M PHY, LE 2M PHY		
Number of Channel:	40		
Modulation Type:	GFSK		
Antenna Type:	Internal Antenna		
Antenna Gain:	2.37dBi	(0)	((3)
Rating(s)::	Adapter Information: Model: BOS050200-01A Input: AC 100-240V, 50/60Hz, 0.4 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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
<u></u>		/N	/	<u> </u>	/	X	
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
Remark: Channel 0, 19 & 39 have been tested.							



2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Output Power	§15.247 (b)(3)	PASS
6dB Emission Bandwidth	§15.247 (a)(2)	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	§15.247(d)	PASS
Spurious Emission	§15.205/§15.209	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, 6dB Emission Bandwidth, Power Spectral Density, Band Edge) was based on FCC ID: 2BAHU2023001; Change product model No. and shell material of EUT.





3. General Information

3.1. Test environment and mode

Operating Environment:					
Condition	Conducted Emission	Radiated Emission			
Temperature:	23.5 °C	24.9 °C			
Humidity:	52 % RH	53 % RH			
Atmospheric Pressure:	1010 mbar	1010 mbar			
Test Mode:					
Engineer mode:	Keep the EUT in continuous transmitting by select channel and modulations with Fully-charged battery.				

The sample was placed 0.8m & 1.5m for the measurement below & 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 polarizations. The emissions worst-case(Z axis) are shown in Test Results of the following pages.

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 (6)	1 (6) /	5) /	(6)/

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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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



5. Test Results and Measurement Data

5.1. Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is internal antenna which permanently attached, and the best case gain of the antenna is 2.37dBi.



Antenna

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5.2. Conducted Emission

5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.10:2013						
Frequency Range:	150 kHz to 30 MHz						
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	e=auto				
Limits:	Frequency range Limit (dBuV) (MHz) Quasi-peak Ave 0.15-0.5 66 to 56* 56 to 0.5-5 56 2 5-30 60 5						
Test Setup:	Adapter Filter AC power E.U.T Adapter Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network						
Test Mode:	Test table height=0.8m Charging + Transmittin	g Mode					
Test Procedure:	1. The E.U.T is connect impedance stabilized provides a 50 ohm/5 measuring equipmer 2. The peripheral device power through a List coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferent emission, the relative the interface cables ANSI C63.10:2013 of	cted to an adapted ation network of the coupling import. es are also connects with 50 chm term diagram of the line are checked ace. In order to five positions of equals must be changed.	(L.I.S.N.). This appedance for the ected to the main a 50ohm/50uH mination. (Please test setup and ed for maximum and the maximum sipment and all of ged according to				
Test Result:	PASS						



5.2.2. Test Instruments

Cond	Conducted Emission Shielding Room Test Site (843)									
Equipment	Manufacturer	Model	Serial Number	Calibration Due						
EMI Test Receiver	R&S	ESCI3	100898	Jul. 03, 2023						
Line Impedance Stabilisation Newtork(LISN)	Schwarzbeck	NSLK 8126	8126453	Feb. 20, 2024						
Line-5	TCT	CE-05	/	Jul. 03, 2024						
EMI Test Software	Shurple Technology	EZ-EMC	1 (3)	1 6						

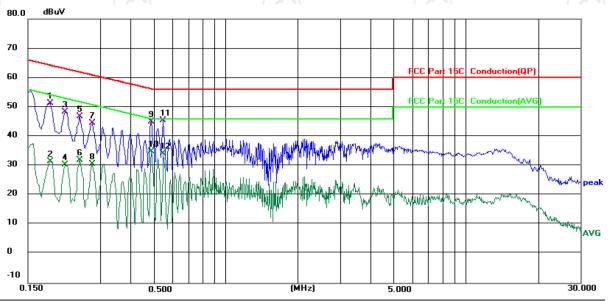




5.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room

Phase: L1

Temperature: 23.5 (°C)

Humidity: 52 %

Limit: FCC Part 15C Conduction(QP)

Power: AC 120 V/ 60 Hz

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBu∀	dB	dBu∀	dBu∀	dB	Detector	Comment
1	0.1859	41.28	10.14	51.42	64.22	-12.80	QP	
2	0.1859	21.47	10.14	31.61	54.22	-22.61	AVG	
3	0.2139	38.50	9.95	48.45	63.05	-14.60	QP	
4	0.2139	20.52	9.95	30.47	53.05	-22.58	AVG	
5	0.2459	36.80	9.95	46.75	61.89	-15.14	QP	
6	0.2459	22.02	9.95	31.97	51.89	-19.92	AVG	
7	0.2779	34.52	9.94	44.46	60.88	-16.42	QP	
8	0.2779	20.74	9.94	30.68	50.88	-20.20	AVG	
9	0.4900	35.50	9.47	44.97	56.17	-11.20	QP	
10	0.4900	25.38	9.47	34.85	46.17	-11.32	AVG	
11 *	0.5500	36.15	9.41	45.56	56.00	-10.44	QP	
12	0.5500	24.91	9.41	34.32	46.00	-11.68	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

 $Limit (dB\mu V) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

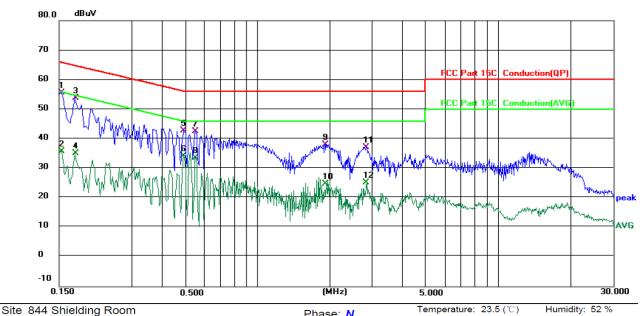
Q.P. = Quasi-Peak

AVG =average

^{*} is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz



Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Limit: FCC Part 15C Conduction(QP)

Phase: N Power: AC 120 V/ 60 Hz

Temperature: 23.5 (°C) Humidity: 52 %

LIIII	II. FC	C Fait 15	C Conduct	ion(QP)		FOV	ver.AC i	20 V/ 60 F	12
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu∀	dBu∀	dB	Detector	Comment
1	*	0.1539	45.54	10.09	55.63	65.79	-10.16	QP	
2		0.1539	25.70	10.09	35.79	55.79	-20.00	AVG	
3		0.1739	43.61	10.11	53.72	64.77	-11.05	QP	
4		0.1739	24.92	10.11	35.03	54.77	-19.74	AVG	
5		0.4939	33.24	9.47	42.71	56.10	-13.39	QP	
6		0.4939	24.71	9.47	34.18	46.10	-11.92	AVG	
7		0.5540	33.02	9.41	42.43	56.00	-13.57	QP	
8		0.5540	24.24	9.41	33.65	46.00	-12.35	AVG	
9		1.9139	28.09	10.02	38.11	56.00	-17.89	QP	
10		1.9139	14.82	10.02	24.84	46.00	-21.16	AVG	
11		2.8260	27.17	10.05	37.22	56.00	-18.78	QP	

46.00 -20.80

AVG

Note1:

12

Freq. = Emission frequency in MHz

15.15

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

25.20

10.05

Limit $(dB\mu V)$ = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak

AVG =average

2.8260

Note2: Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 1M speed modulation. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Middle channel) was submitted only.

^{*} is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.



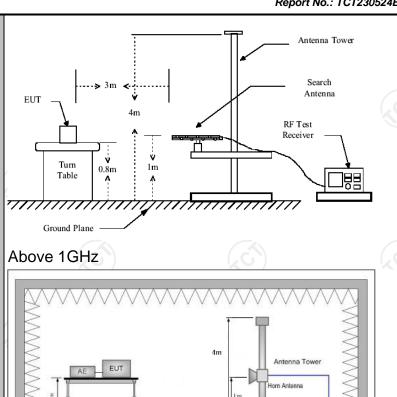
5.3. Radiated Spurious Emission Measurement

5.3.1. Test Specification

		Z\				
Test Requirement:	FCC Part15	C Section	15.209	(0,)		NO.
Test Method:	ANSI C63.10	0:2013				
Frequency Range:	9 kHz to 25 (GHz	T			
Measurement Distance:	3 m	((<u>6)</u>		160	
Antenna Polarization:	Horizontal &	Vertical				
Operation mode:	Refer to item	1 3.1	((C)		ĆĆ
	Frequency	Detector	RBW	VBW		Remark
	9kHz- 150kHz	Quasi-pea		1kHz		i-peak Value
Receiver Setup:	150kHz- Quasi-pea 30MHz			30kHz		i-peak Value
•	30MHz-1GHz	Quasi-pea	k 120KHz	300KHz	Quas	i-peak Value
	Ab 4011-	Peak	1MHz	3MHz	Pe	eak Value
	Above 1GHz	Peak	1MHz	10Hz	Ave	rage Value
	F	3)	Field Stre	ength	Me	asurement
	Frequen	icy	(microvolts	/meter)	Distance (meters)	
	0.009-0.4	490	2400/F(I	(Hz)	300	
	0.490-1.7		24000/F(KHz)	30	
	1.705-3		30	- (c		30
	30-88		100			3
1::	88-216		150		3	
Limit:	216-96 Above 9		200		3	
	Above 9	00	500			3
			- '	Measure	ment	
	Frequency		d Strength ovolts/meter)	Distan (meter	се	Detector
	Ab 4011s		500			Average
	Above 1GHz	2	5000	3		Peak
	For radiated	emission	s below 30	MHz		
	Di	stance = 3m			Comput	er h
	!	→				
		1/) _	Pre -	Amplifier	ᆫᅵᆝ
Toot cotup.		\	√ . []
Test setup:	0.8m	Turn table	1m	Г		_
	1	Group	d Plane	R	teceiver	\Box
	30MHz to 10	-, -)				(c)







Test Procedure:

The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level. For the radiated emission test above 1GHz: Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance. while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final

1. For the radiated emission test below 1GHz:



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Test mode: Test results:	Refer to section 3.1 for details PASS
	 (2) Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f >1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
	maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 3. For measurement below 1GHz, 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, the emission measurement will be repeated using the quasi-peak detector and reported. 4. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured;





5.3.2. Test Instruments

	Radiated Em	nission Test Site	e (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESIB7	100197	Jul. 03, 2023
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 03, 2023
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Feb. 20, 2024
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Feb. 20, 2024
Pre-amplifier	HP	8447D	2727A05017	Jul. 03, 2023
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 11, 2023
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 05, 2023
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 05, 2023
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 24, 2024
Antenna Mast	Keleto	RE-AM	1	
Coaxial cable	SKET	RC-18G-N-M) 1	Feb. 24, 2024
Coaxial cable	SKET	RC_40G-K-M	/	Feb. 24, 2024
EMI Test Software	Shurple Technology	EZ-EMC		1 6



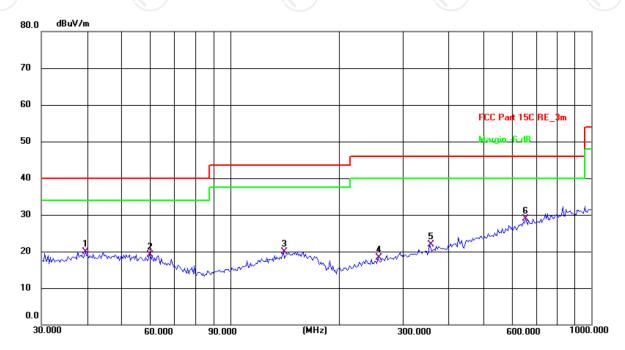


5.3.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



Site: #1 3m Anechoic Chamber Polarization: Horizontal Temperature: 24.9(C) Humidity: 53 %

Limit: FCC Part 15C RE_3m

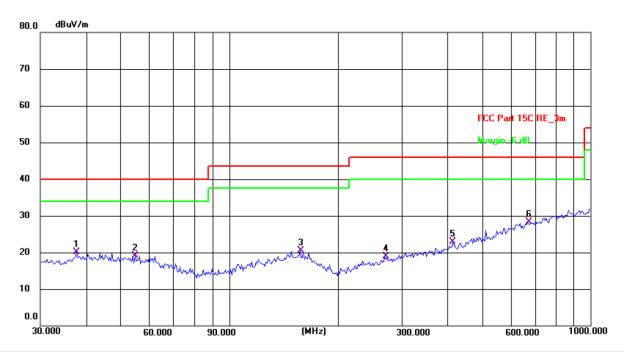
Power: DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	39.7146	5.73	14.20	19.93	40.00	-20.07	QP	Р	
2	59.6493	6.13	12.98	19.11	40.00	-20.89	QP	Р	
3	140.3421	5.95	13.88	19.83	43.50	-23.67	QP	Р	
4	256.5211	5.81	12.57	18.38	46.00	-27.62	QP	Р	
5	356.6758	6.70	15.26	21.96	46.00	-24.04	QP	Р	
6 *	656.5300	7.33	21.67	29.00	46.00	-17.00	QP	Р	





Vertical:



Site: #1 3m Anechoic Chamber Polarization: Vertical Temperature: 24.9(C) Humidity: 53 %

Limit: FCC Part 15C RE_3m

Power: DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	37.8121	6.13	13.90	20.03	40.00	-19.97	QP	Р	
2	54.8348	5.88	13.27	19.15	40.00	-20.85	QP	Р	
3	157.0074	6.05	14.48	20.53	43.50	-22.97	QP	Р	
4	269.4284	5.72	13.13	18.85	46.00	-27.15	QP	Р	
5	416.1791	6.01	16.80	22.81	46.00	-23.19	QP	Р	
6 *	670.4893	6.49	21.89	28.38	46.00	-17.62	QP	Р	

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

- 2. Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 1M speed modulation. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Middle channel) was submitted only.
- 3. Freq. = Emission frequency in MHz

Measurement $(dB\mu V/m) = Reading level (dB\mu V) + Corr. Factor (dB)$

Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

 $Limit (dB\mu V/m) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V/m) - Limits (dB\mu V/m)$

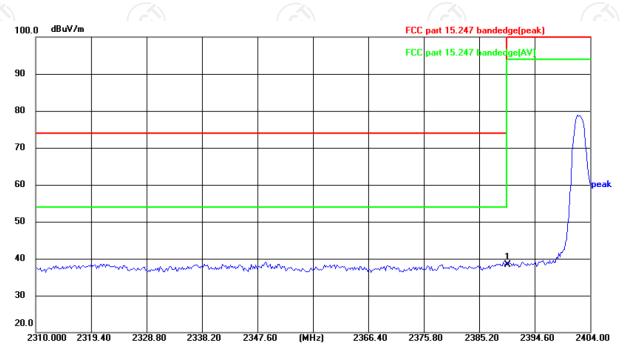
* is meaning the worst frequency has been tested in the test frequency range



Test Result of Radiated Spurious at Band edges

Lowest channel 2402:

Horizontal:



Site: #3 3m Anechoic Chamber Polarization: Horizontal Temperature: 25(°C) Humidity: 55 %

Limit: FCC part 15.247 bandedge(peak) Power: DC 3.7 V

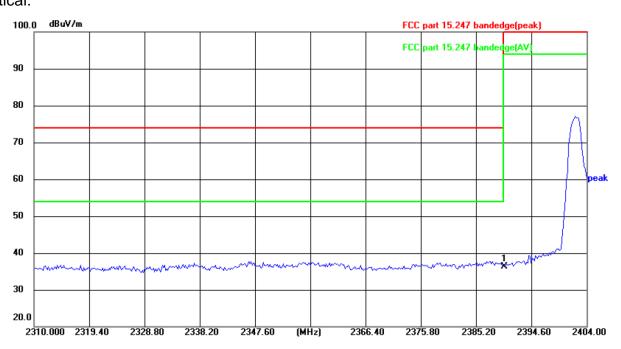
1	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1 *	2390.000	51.42	-13.15	38.27	74.00	-35.73	peak	Р	





Vertical:

Report No.: TCT230524E028



Site: #3 3m Anechoic Chamber Polarization: Vertical Temperature: 25(°C) Humidity: 55 %

Limit: FCC part 15.247 bandedge(peak)

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	2390.000	49.54	-13.15	36.39	74.00	-37.61	peak	Р	

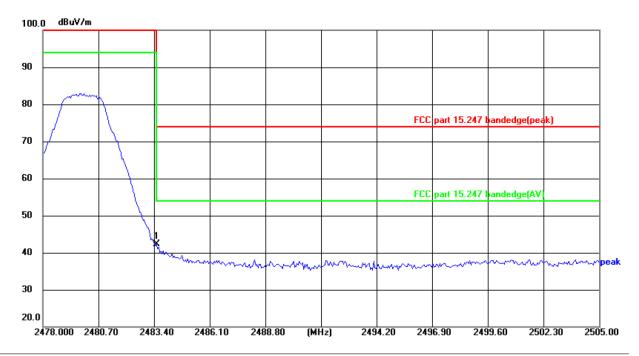
Power: DC 3.7 V





Highest channel 2480:

Horizontal:



Site: #3 3m Anechoic Chamber Polarization: Horizontal Temperature: 25(°C) Humidity: 55 %

Limit: FCC part 15.247 bandedge(peak)

No.	Frequency (MHz)	Reading (dBuV)			Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	2483.500	55.19	-12.84	42.35	74.00	-31.65	peak	Р	

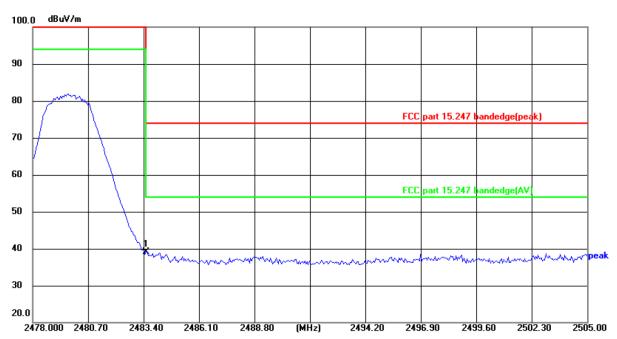
Power: DC 3.7 V





Vertical:

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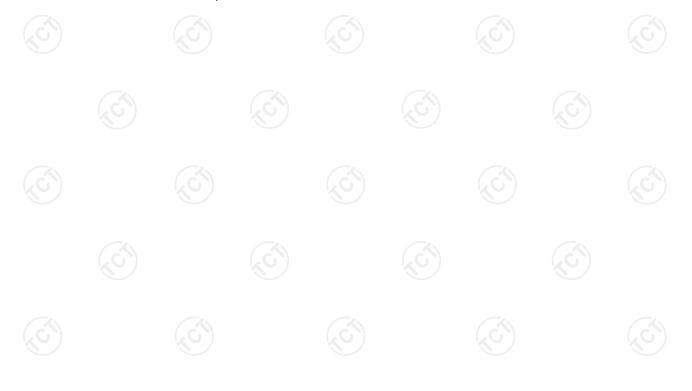
Site: #3 3m Anechoic Chamber Polarization: Vertical Temperature: 25(°C) Humidity: 55 %

Limit: FCC part 15.247 bandedge(peak)

	•		• (1						
No.	Frequency (MHz)			Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	2483.500	52.03	-12.84	39.19	74.00	-34.81	peak	Р	

Power: DC 3.7 V

Note: Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 1M speed modulation.





Above 1GHz

Low char	nnel: 2402	MHz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4804	Н	45.08		0.66	45.74		74	54	-8.26
7206	Н	35.69		9.50	45.19		74	54	-8.81
	Н								
4804	V	46.03		0.66	46.69	Z	74	54	-7.31
7206	V	35.16		9.50	44.66	(C) 1 -	74	54	-9.34
	V					<u></u>			

	Middle channel: 2440 MHz										
	Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak		Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)	
	4880	Η	45.03		0.99	46.02		74	54	-7.98	
	7320	Η	35.51		9.87	45.38		74	54	-8.62	
		Н			·	/	-				
								KO)			
	4880	V	44.45		0.99	45.44		74	54	-8.56	
	7320	V	35.29		9.87	45.16		74	54	-8.84	
		V									

High chann	el: 2480 N	ЛHz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4960	H	45.98	- (-c)	1.33	47.31	. c 1-	74	54	-6.69
7440	Н	36.14	-	10.22	46.36	<i></i>	74	54	-7.64
	Н								
4960	V	45.51		1.33	46.84		74	54	-7.16
7440	V	35.47		10.22	45.69		74	54	-8.31
	V	<u></u>			J				

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- 6. Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 1M speed modulation.
- 7. All the restriction bands are compliance with the limit of 15.209.



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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

