GTS Global United Technology Services Co., Ltd.

Report No.: GTSE13080127102

TEST REPORT

Applicant:	Shenzhen Iproda Technology Co.,Ltd		
Address of Applicant:	4F-5F, C building, GongMing Tangwei Village WanFeng Industrial Zone, Shenzhen, China		
Equipment Under Test (E	EUT)		
Product Name:	TABLET PC		
Model No.:	T7026, T7026C, GSSMID-7002S, MIDMA-7002S, T7011, T7049, T7049B, T7022GMS, T7024		
FCC ID:	2AASZ-T7026		
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B:2012		
Date of sample receipt:	July 22, 2013		
Date of Test:	July 22-31, 2013		
Date of report issue:	August 08, 2013		
Test Result :	PASS *		

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Robinson Lo

Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the GTS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of GTS International Electrical Approvals or testing done by GTS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by GTS International Electrical Approvals in Approvals in writing.

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2 Version

Version No.	Date	Description
00	August 08, 2013	Original

Prepared By:

Check By:

hank. yan

Date:

August 08, 2013

Project Engineer

lans. Hu

Date:

August 08, 2013

Reviewer

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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part15.107	PASS
Radiated Emissions	Part15.109	PASS

PASS: The EUT complies with the essential requirements in the standard.

5 General Information

5.1 Client Information

Applicant:	Shenzhen Iproda Technology Co.,Ltd		
Address of Applicant:	4F-5F, C building, GongMing Tangwei Village WanFeng Industrial Zone, Shenzhen, China		
Manufacturer/Factory:	Shenzhen Iproda Technology Co.,Ltd		
Address of Manufacturer/ Factory:	4F-5F, C building, GongMing Tangwei Village WanFeng Industrial Zone, Shenzhen, China		

5.2 General Description of EUT

Product Name:	TABLET PC
Model No.:	T7026, T7026C, GSSMID-7002S, MIDMA-7002S, T7011, T7049, T7049B, T7022GMS, T7024
Test model No.:	T7026
Remark:	All models are identical in the same PCB layout, interior structure and electrical circuits. The only difference is the model name for commercial purpose.
Power supply:	Adapter: Model No.: YHXH-SW0502000U Input: AC 100-240V 50/60Hz 0.6A MAX Output: DC 5.0V 2.0A

5.3 Test mode

Test mode:			
SD Card Video Playing mode	Keep the EUT in video Playing mode		
PC mode	Keep the EUT in exchanging data mode.		
Video Record mode	Keep the EUT in video recording mode.		



5.4 Test Facility

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

• CNAS — Registration No.: CNAS L5775

CNAS has accredited Global United Technology Services Co., Ltd. To ISO/IEC 17025 General Requirements for the competence of testing and calibration laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• FCC — Registration No.: 600491

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, June 28, 2013.

• Industry Canada (IC) — Registration No.: 9079A-2

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-2, June 26, 2013.

5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China

Tel: 0755-27798480

Fax: 0755-27798960

5.6 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
HP	Printer	CB495A	05257893	DoC
Lenovo	PC Host	M6900	EA05257893	DoC
DELL	MONITOR	E178FPC	N/A	DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC

5.7 Deviation from Standards

Biconical, log.per. antenna and horn antenna were used instead of dipole antenna. Semi-anechoic Chamber was used as alternation of open air test sites, and all test suites were performed with radiated method in it.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None.

6 Test Instruments list

Radi	Radiated Emission:						
ltem	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.0(L)*6.0(W)* 6.0(H)	GTS250	Mar. 29 2013	Mar. 28 2014	
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A	
3	ESU EMI Test Receiver	R&S	ESU26	GTS203	Jun. 29 2013	Jun. 29 2014	
4	BiConiLog Antenna	SCHWARZBECK	VULB9163	GTS214	Jun. 29 2013	Jun. 29 2014	
5	Double -ridged waveguide horn	SCHWARZBECK	9120D	GTS208	Jun. 29 2013	Jun. 29 2014	
6	RF Amplifier	HP	8347A	GTS204	Jun. 29 2013	Jun. 29 2014	
7	Preamplifier	HP	8349B	GTS206	Jun. 29 2013	Jun. 29 2014	
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
9	Coaxial cable	GTS	N/A	GTS210	Jul. 07 2013	Jul. 06 2014	
10	Coaxial Cable	GTS	N/A	GTS211	Jul. 07 2013	Jul. 06 2014	
11	Thermo meter	N/A	N/A	GTS256	Jul. 01 2013	Jul. 01 2014	

Con	Conducted Emission:						
ltem	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	Sep. 08 2011	Sep. 07 2013	
2	EMI Test Receiver	R&S	ESCS30	GTS223	Jun. 29 2013	Jun. 29 2014	
3	Pulse Limiter	R&S	ESH3-Z2	GTS224	Jun. 29 2013	Jun. 29 2014	
4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	Jun. 29 2013	Jun. 29 2014	
5	Artificial Mains Network	SCHWARZBECK MESS	NSLK8127	GTS226	Jun. 29 2013	Jun. 29 2014	
6	Coaxial Cable	GTS	N/A	GTS227	Jul. 07 2013	Jul. 06 2014	
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	

Gen	General used equipment:						
ltem	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	Barometer	ChangChun	DYM3	GTS257	July 27 2012	July 27 2013	



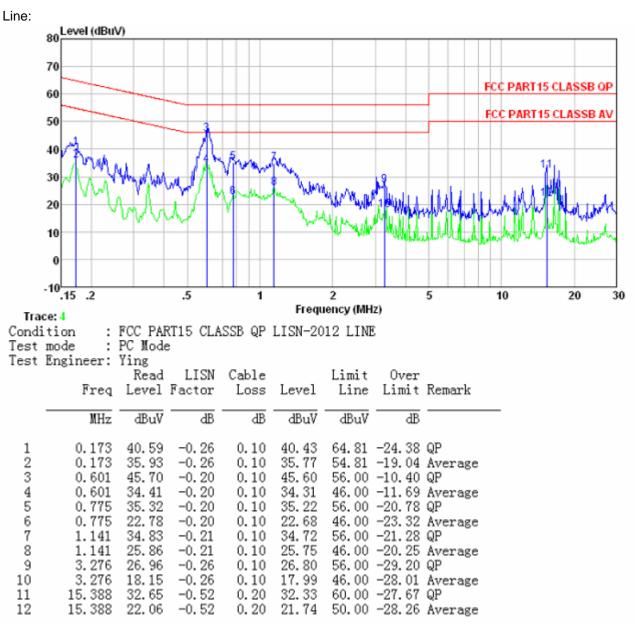
7 Test Results and Measurement Data

7.1 Conducted Emissions

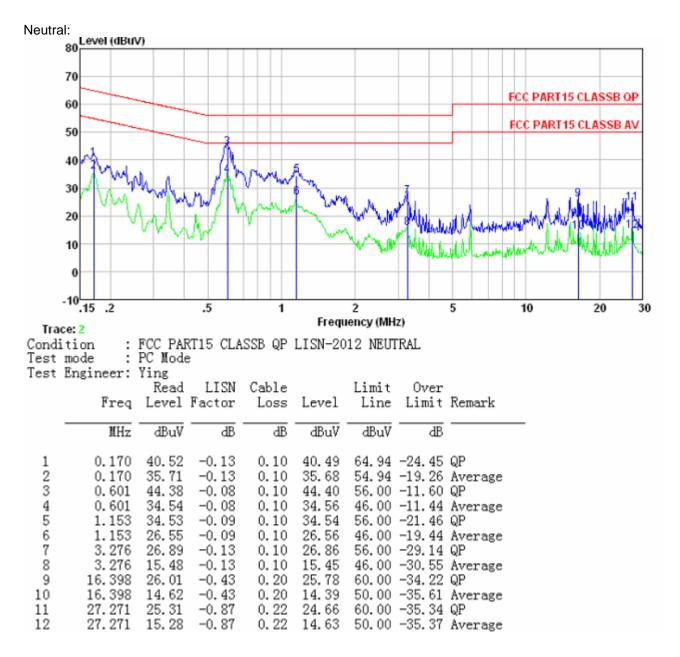
Test Requirement:	FCC Part15 B Section 15.107				
Test Method:	ANSI C63.4:2003				
Test Frequency Range:	150KHz to 30MHz Class B				
Class / Severity:					
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto			
Limit:	Limit (dBuV)				
	Frequency range (MHz)	Quasi-peak	Average		
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	5-30	60	50		
	* Decreases with the logarithm	n of the frequency.			
Test setup:	Reference Plane		-		
Test procedure:	LISN 40cm 80cm AUX EQUIPMENT E.U.T Fequipment E.U.T Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m 1 The E.U.T. and simulators and s	EMI Receiver			
rest procedure:	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 				
	 Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement. 				
Test Instruments:	Refer to section 6 for details				
Test mode:	Pre-scan all modes in section 5.3, and found the PC mode which is the worst mode, so only the data of worst mode was show on the test report.				
Test results:	Pass				

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Measurement Data



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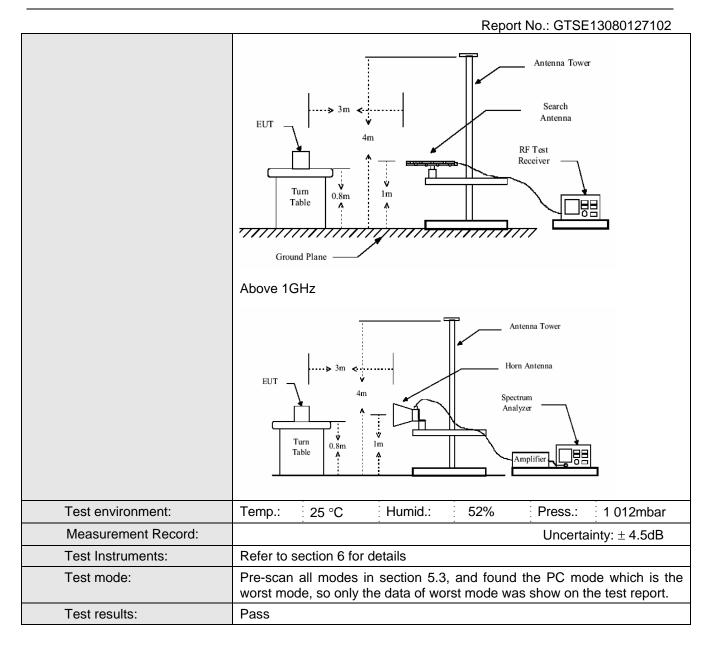
Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss

7.2 Radiated Emission

Test Requirement:	FCC Part15 B Section 15.109				
Test Method:	ANSI C63.4:2003				
Test Frequency Range:	30MHz to 6GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency 30MHz-1GHz Above 1GHz	Detector Quasi-pea Peak AV	RBW k 120kHz 1MHz 1MHz	VBW 300kHz 3MHz 10Hz	Remark Quasi-peak Value Peak Value Average Value
Limit:	Frequen 30MHz-88 88MHz-216 216MHz-96 960MHz-1 Above 10	MHz SMHz OMHz GHz	Limit (dBuV/m @3m) 40.00 43.50 46.00 54.00 54.00 74.00		Remark Quasi-peak Value Quasi-peak Value Quasi-peak Value Quasi-peak Value Average Value Peak Value
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified 				
	 Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 				
Test setup:	Below 1GHz				



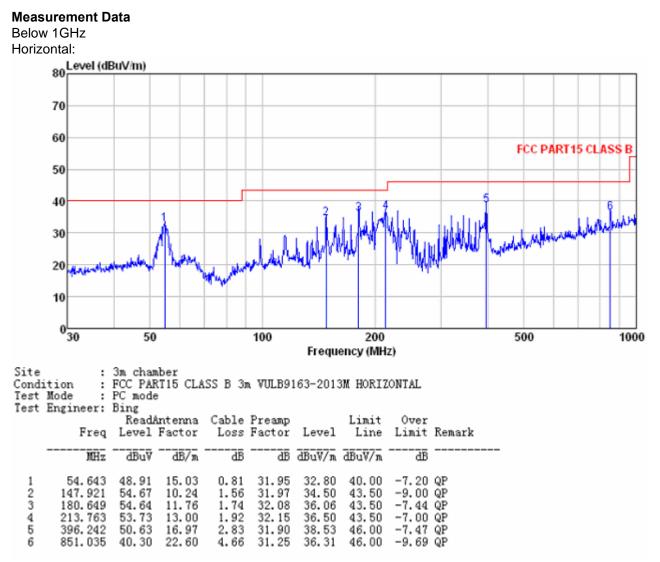


Note:

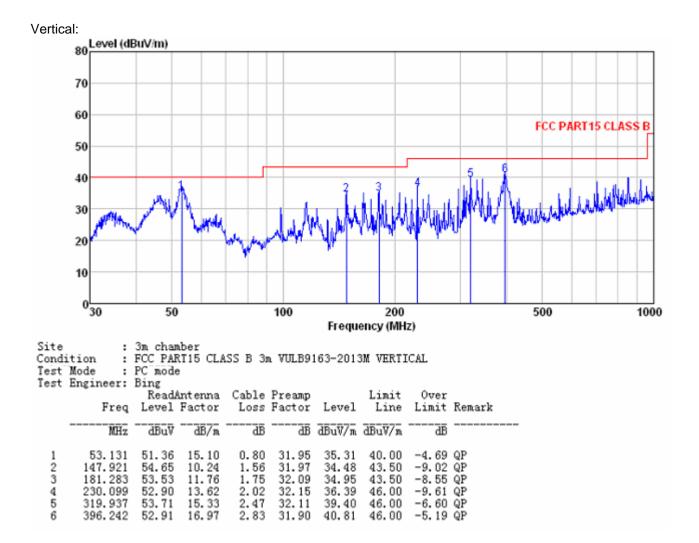
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

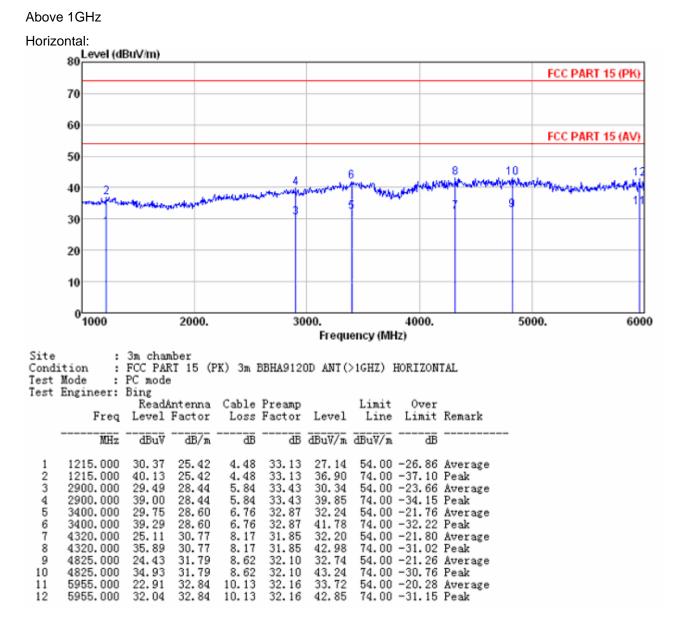




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