

1-4F, Huafeng Science Park, Xin'an Sixth Road, 82<sup>th</sup> District, Bao'an,

Shenzhen, China.

Telephone: +86-755-29451282,

Fax: +86-755-22639141

Report No.: EBO1501094-E305

Page 1 of 18

# **TEST REPORT**

**Applicant:** VISUAL LAND INC.

Address of Applicant: 17785 Center Court Dr. Suite 670, Cerritos, CA 90703

**Equipment Under Test (EUT)** 

Product Name: 8.9INCH TABLET

Brand Name: VISUAL LAND

Model No.: ME-9W

FCC ID: SI9PREMIER9W

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart B:2013

Date of sample receipt: January 21, 2015

Date of Test: January 21, 2015 To January 28, 2015

**Date of report issue:** January 28, 2015

Test Result: PASS \*

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

Authorized Signature:

Kevin Yu 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 EBO 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 EBO International Electrical Approvals or testing done by EBO International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by EBO International Electrical Approvals in writing.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only."



Report No.: EBO1501094-E305 Page 2 of 18

### 2 Version

Version No.	Date	Description
00	January 28, 2015	Original

Prepared By:	Jason	Date:	January 28, 2015
	Project Engineer		
Check By:	Canyo	Date:	January 28, 2015
	Reviewer		



Report No.: EBO1501094-E305

Page 3 of 18

### 3 Contents

			Page
1	CO/	/ER PAGE	1
2	VER	RSION	2
3	CON	NTENTS	3
4	TES	T SUMMARY	4
5	GEN	NERAL INFORMATION	5
	5.1	CLIENT INFORMATION	5
	5.2	GENERAL DESCRIPTION OF EUT	
	5.3	TEST MODE	5
	5.4	TEST FACILITY	6
	5.5	TEST LOCATION	
	5.6	DESCRIPTION OF SUPPORT UNITS	7
	5.7	DEVIATION FROM STANDARDS	
	5.8	ABNORMALITIES FROM STANDARD CONDITIONS	
	5.9	OTHER INFORMATION REQUESTED BY THE CUSTOMER	7
6	TES	T INSTRUMENTS LIST	8
7	TES	T RESULTS AND MEASUREMENT DATA	9
	7.1	CONDUCTED EMISSIONS	9
	7.2	RADIATED EMISSION	
8	TES	T SETUP PHOTO	18
9	EUT	CONSTRUCTIONAL DETAILS	18



Report No.: EBO1501094-E305

Page 4 of 18

### 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.



Report No.: EBO1501094-E305

Page 5 of 18

### 5 General Information

#### 5.1 Client Information

Applicant:	VISUAL LAND INC.
Address of Applicant:	17785 Center Court Dr. Suite 670, Cerritos, CA 90703
Manufacturer:	VISUAL LAND INC.
Address of Manufacturer:	17785 Center Court Dr. Suite 670, Cerritos, CA 90703

### 5.2 General Description of EUT

Product Name:	8.9INCH TABLET
Brand Name:	VISUAL LAND
Model No.:	ME-9W
Power supply:	Input: DC 5V, 2000mA from adapter
	Or
	DC 3.7V, 5600mAh Li-ion Battery

#### 5.3 Test mode

Test mode:	
REC mode	Keep the EUT in REC mode
TF Card playing mode	Keep the EUT in TF Card playing mode
PC mode	Keep the EUT in data exchanging with PC mode
Test voltage:	
AC 120V/60Hz	



Report No.: EBO1501094-E305

Page 6 of 18

### 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 fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, July 20, 2010.

#### Industry Canada (IC)

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



Report No.: EBO1501094-E305

Page 7 of 18

### 5.6 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC Approval
HP	Printer	CB495A 05257893		DoC
Apple	PC	A1278	C1MN99ERDTY3	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.



Report No.: EBO1501094-E305

Page 8 of 18

### 6 Test Instruments list

Radiated Emission:						
Item	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 2014	Mar. 28 2015
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	July 01 2014	June 30 2015
4	BiConiLog Antenna	SCHWARZBECK	VULB9163	GTS214	July 01 2014	June 30 2015
5	Double -ridged waveguide horn	SCHWARZBECK	9120D	GTS208	June 27 2014	June 26 2015
6	RF Amplifier	HP	8347A	GTS204	July 01 2014	June 30 2015
7	Preamplifier	HP	8349B	GTS206	July 01 2014	June 30 2015
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
9	Coaxial cable	GTS	N/A	GTS210	Mar. 29 2014	Mar. 28 2015
10	Coaxial Cable	GTS	N/A	GTS211	Mar. 29 2014	Mar. 28 2015
11	Thermo meter	N/A	N/A	GTS256	Mar. 29 2014	Mar. 28 2015

Con	Conducted Emission:							
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	GTS264	July 01 2014	June 30 2015		
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS223	July 01 2014	June 30 2015		
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS224	July 01 2014	June 30 2015		
4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	July 01 2014	June 30 2015		
5	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	July 01 2014	June 30 2015		
6	Coaxial Cable	GTS	N/A	GTS227	July 01 2014	June 30 2015		
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		

Gen	General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	Barometer	ChangChun	DYM3	GTS257	July 08 2014	July 07 2015	



Report No.: EBO1501094-E305

Page 9 of 18

## 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 / Severity:	Class B				
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto			
Limit:	Fraguesov rango (MHz)	Limit (c	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		_		
	AUX Equipment  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m				
Test procedure:	<ol> <li>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 500hm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and</li> </ol>				
	photographs).  3. 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:	Refer to section 5.3 for details. All of the mode were tested and found the "PC mode" is the worst case. Only the data of worst case was reported.				
Test results:	Pass				

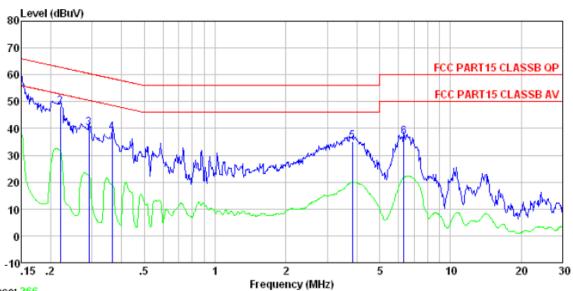


Report No.: EBO1501094-E305

Page 10 of 18

#### **Measurement Data**





Trace: 266

: Shielded room

Site : FCC PART15 CLASSB QP LISN-2013 LINE Condition

Test Engineer: Mike

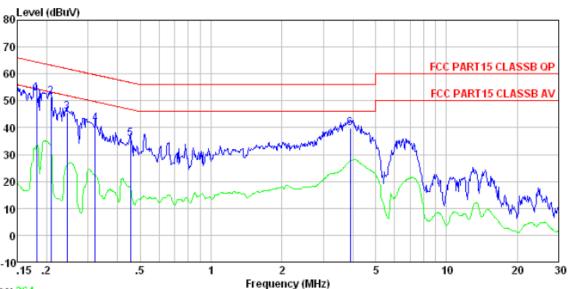
-	Freq	Read	LISN Factor				Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1 2 3 4 5 6	0. 291 0. 365 3. 840	55. 09 47. 80 39. 89 38. 29 34. 90 36. 49	0.13 0.11 0.11 0.19	0.10 0.10	48.05 40.10 38.50 35.24	62.83 60.50 58.61 56.00	-14.78 -20.40 -20.11 -20.76	QP QP QP QP



Report No.: EBO1501094-E305

Page 11 of 18





Trace: 264

Shielded room

Site

: FCC PART15 CLASSB QP LISN-2013 NEUTRAL Condition

Test Engineer: Mike

	Freq		LISN Factor					Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1 2 3 4 5 6	0. 208 0. 244 0. 322 0. 454	45.68 41.31 35.57	0.07 0.07 0.06 0.06 0.06 0.14	0.11 0.10 0.11	51.37 45.85 41.47	63. 27 61. 95 59. 66 56. 80	-16.10 -18.19 -21.06	QP QP QP QP

#### 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
- 4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.



Report No.: EBO1501094-E305

Page 12 of 18

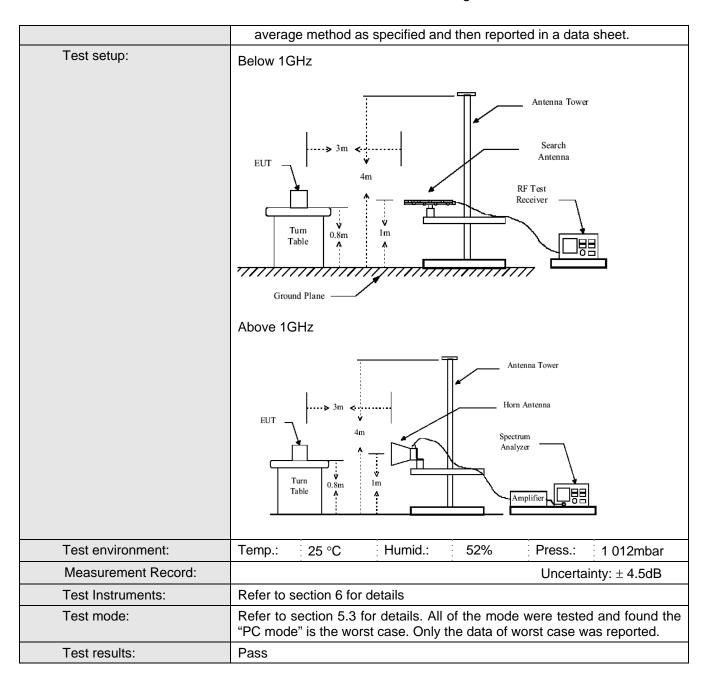
#### 7.2 Radiated Emission

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	Detector	RBW	VBW	Remark			
	30MHz- 1GHz	Quasi-peal	k 120kHz	300kHz	Quasi-peak Value			
	Above 1GHz	Peak	1MHz	3MHz	Peak Value			
	7.0010 10112	Peak	1MHz	10Hz	Average Value			
Limit:					T			
	Freque	ency	Limit (dBuV	/m @3m)	Remark			
	30MHz-8	88MHz	40.0	00	Quasi-peak Value			
	88MHz-2	16MHz	43.5	50	Quasi-peak Value			
	216MHz-9	60MHz	46.0	00	Quasi-peak Value			
	960MHz-	-1GHz	54.0	00	Quasi-peak Value			
	Above 1	ICH <del>z</del>	54.00		Average Value			
	Above	IGHZ	74.0	00	Peak Value			
Test Procedure:	ground at a 3	3 meter camb e position of	er. The table the highest ra	was rotated diation.	0.8 meters above the 1 360 degrees to			
					ble-height antenna			
	<ol> <li>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.</li> <li>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.</li> </ol>							
	5. 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							



Report No.: EBO1501094-E305

Page 13 of 18



#### 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



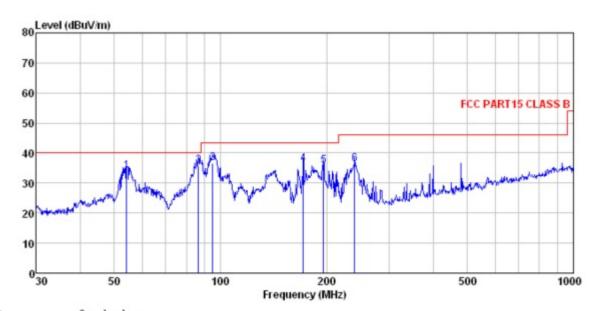
Report No.: EBO1501094-E305

Page 14 of 18

#### **Measurement Data**

Below 1GHz

Test mode: PC mode	Ant Pol. Horizontal
--------------------	---------------------



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163-2013M HORIZONTAL
ReadAntenna Cable Preamp Limit Over
Freq Level Factor Loss Factor Level Line Limit Remark

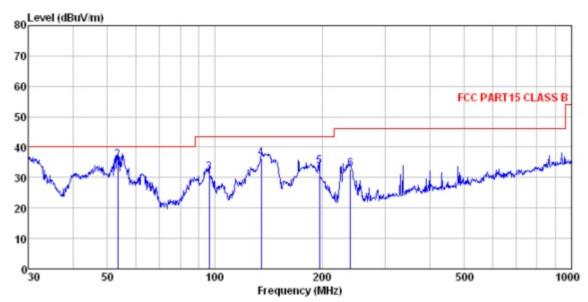
	rreq	rever	ractor	LOSS	ractor	rever	Line	Limit	Remark
	MHz	dBu₹	dB/n	dB	<u>dB</u>	dBuV/m	dBuV/m	dB	
1	54.261	49.90	15.05	0.81	31.95	33.81	40.00	-6.19	QP
2	86.503	53.56	12.89	1.08	31.73	35.80	40.00	-4.20	QP
2	95.093	52.25	14.84	1.15	31.74	36.50	43.50	-7.00	QP
4	171.393	55.65	11.03	1.69	32.06	36.31	43.50	-7.19	QP
5	195.822	53.60	12.57	1.82	32.13	35.86	43.50	-7.64	QP
6	239.987					36.24			



Report No.: EBO1501094-E305

Page 15 of 18

Test mode: PC mode	Ant Pol. Vertical
--------------------	-------------------



Site Condition			RT15 CLA						
1	Freq		Intenna Factor				Limit	Over	Remark
	MHz	dBu∀	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 30.	000		14.33	0.55	32.06		40.00		
		47. 22	15.08 14.94				40.00 43.50		
4 135.		56.33					43.50		
		51.33 48.86	12.57		32.13 32.16				

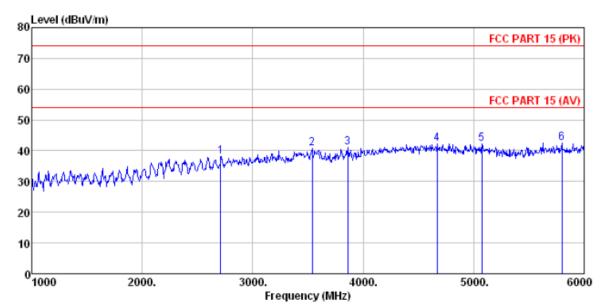


Report No.: EBO1501094-E305

Page 16 of 18

#### Above 1GHz

Test mode: PC mode	Ant Pol. Horizontal
--------------------	---------------------



Site : 3m chamber

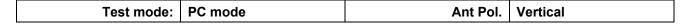
Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) HORIZONTAL ReadAntenna Cable Preamp Limit Over

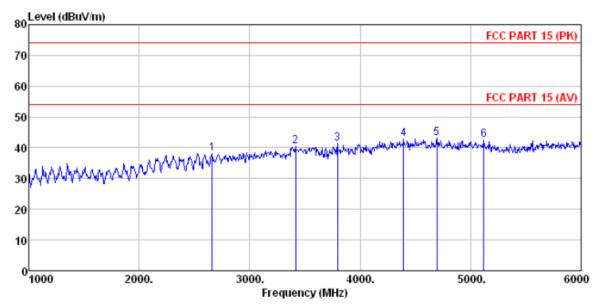
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∜	dB/m			dBuV/m	dBuV/m	<u>dB</u>	
2 3 4 5	2710.000 3540.000 3860.000 4670.000 5075.000 5800.000	37.41 36.19 34.24 33.54	29.06 29.45 31.61 32.02	7.03 7.62 8.48 8.87	32.71 32.34 32.02 32.22	40.79 40.92 42.31 42.21	74.00 74.00 74.00 74.00	-33.21 -33.08 -31.69 -31.79	Peak Peak Peak Peak



Report No.: EBO1501094-E305

Page 17 of 18





Site : 3m chamber

0100		One Orea	LOUZ						
Condi	tion :	FCC PAR	RT 15 (F	PK) 3m B	3BHA9120	DD ANT()	) (IGHZ)	VERTICAL	_
		Read	lnt enna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∀	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2660.000	38.30	27.96	5.63	33.70	38.19	74.00	-35.81	Peak
2	3415.000	37.94	28.67	6.80	32.85	40.56	74.00	-33.44	Peak
3	3795.000	36.81	29.36	7.50	32.42	41.25	74.00	-32.75	Peak
4	4395,000	35.42	31.05	8.24	31.89	42.82	74.00	-31.18	Peak
5	4695,000	34.89	31.65	8.51	32.03	43.02	74.00	-30.98	Peak
6	5120,000	33.87	32.05	8.94	32.24	42.62	74.00	-31.38	Peak



Report No.: EBO1501094-E305

Page 18 of 18

# 8 Test Setup Photo

Refer to test setup photos.

### 9 EUT Constructional Details

Refer to EUT external and internal photos.
----- End------