Report No: CCIS15120096204

FCC REPORT

Applicant: Grand Electronics, INC

Address of Applicant: 11650 Brentcross Dr Tomball, TX 77377 ,United States

Equipment Under Test (EUT)

Product Name: Tablet

Model No.: K1, King10, K1x, K1x plus, K-pad

Trade mark: NeuTab, neutab.

FCC ID: 2AGNKK1

Applicablestandards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 15 Dec., 2015

Date of Test: 15 Dec., 2015 to 12 Jan., 2016

Date of report issued: 12 Jan., 2016

Test Result: Pass*

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

Authorized Signature:



Bruce Zhang 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 CCISproduct 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.

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2 Version

Version No.	Date	Description
00	12 Jan., 2016	Original

Tested by: Zora Lee Date: 12 Jan., 2016

Test Engineer

Reviewed by: Date: 12 Jan., 2016

Project Engineer





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4 Test Summary

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

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



5 General Information

5.1 Client Information

Applicant:	Grand Electronics, INC
Address of Applicant:	11650 Brentcross Dr Tomball, TX 77377,United States
Manufacturer:	GRAND ELECTRI-TECH GLOBAL TRADING LIMITED
Address of Manufacturer:	UNIT 04, 7/F, BRIGHT WAY TOWER, NO. 33 MONG KOK ROAD, KOWLOON, HK.
Factory:	SHENZHEN JRAY HIGH TECHNOLOGYCO., LTD
Address of Factory:	1-4F, PerfectSciencePark, Shang Hang Lang, Big Wave, Longhua, Baoan Shenzhen

5.2 General Description of E.U.T.

Product Name:	Tablet
Model No.:	K1, King10, K1x, K1x plus, K-pad
Power supply:	Rechargeable Li-ion Battery DC3.7V-4500mAh
AC adapter :	Model: HT-003-050200 Input:100-240V AC, 50/60Hz 0.35A Max Output: 5V DC Max2000mA
Remark:	The model No.: K1, King10, K1x, K1x plus, K-pad were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being different model name.

5.3 Test Mode

Operating mode	Detail description
PC mode	Keep the EUT in Downloading mode(Worst case)
Charging+Recording mode	Keep the EUT in Charging+Recording mode
Charging+Playing mode	Keep the EUT in Charging+Playing mode
FM mode	Keep the EUT in FM receiver mode
GPS mode	Keep the EUT in GPS receiver mode

The sample was placed 0.8m 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 are shown in Test Results of the following pages.



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5.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX745	N/A	DoC
DELL	MONITOR	NITOR E178FPC		DoC
DELL	KEYBOARD	RD SK-8115 N/A		DoC
DELL	MOUSE	MOC5UO	N/A	DoC
HP	Printer	CB495A	05257893	DoC
MERCURY	Wireless router	MW150R	12922104015	FCC ID
NAKAMICHI	Bluetooth earphone	T8	N/A	FCC ID

5.5 Laboratory Facility

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

• FCC - Registration No.: 817957

Shenzhen Zhongjian Nanfang Testing Co., Ltd. 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 out files. Registration 817957, February 27, 2012.

• IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.6 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282 Fax: +86-755-23116366





5.7 Test Instruments list

Radiated Emission:							
Item	Test Equipment	Manufacturer Model No. Inventor		Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
1	3m SAC	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017	
2	BiConiLog Antenna	SCHWARZBECK	VULB9163	CCIS0005	03-28-2015	03-28-2016	
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	03-28-2015	03-28-2016	
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2015	03-31-2016	
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2015	03-31-2016	
6	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	03-28-2015	03-28-2016	
7	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	03-28-2015	03-28-2016	

Conducted Emission:								
Item	Test Equipment	Manufacturer Model No.		Inventory	Cal.Date	Cal.Due date		
				No.	(mm-dd-yy)	(mm-dd-yy)		
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	08-23-2014	08-22-2017		
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	03-28-2015	03-28-2016		
3	LISN	CHASE	MN2050D	CCIS0074	03-28-2015	03-28-2016		
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2015	03-31-2016		



6 Test results and Measurement Data

6.1 Conducted Emission

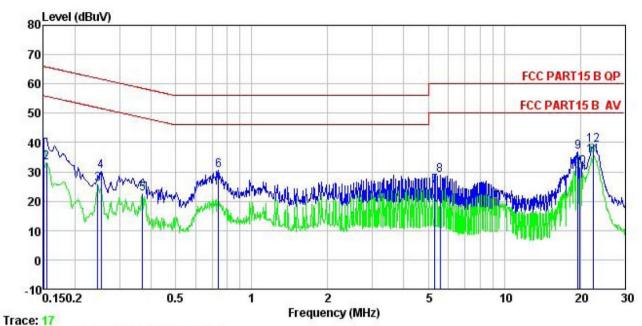
	-							
Test Requirement:	FCC Part15 B Section 15.10	7						
Test Method:	ANSI C63.4:2009							
Test Frequency Range:	150kHz to 30MHz							
Class / Severity:	Class B							
Receiver setup:	RBW=9kHz, VBW=30kHz	RBW=9kHz, VBW=30kHz						
Limit:	Frequency range (MHz)	Limit	(dBµV)					
		Quasi-peak	Average					
	0.15-0.5	66 to 56*	56 to 46*					
	0.5-5 0.5-30	56 60	46 50					
	* Decreases with the logarith		50					
Test setup:	Reference Plan	· · · · · ·						
Toot procedure	AUX Equipment E.U.T Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	Filter — AC po						
Test procedure	 The E.U.T and simulators line impedance stabilization 500hm/50uH coupling impedance. The peripheral devices are a LISN that provides a 500 termination. (Please refers photographs). Both sides of A.C. line are interference. In order to fir positions of equipment an according to ANSI C63.4: 	on network(L.I.S.N.). The pedance for the measure also connected to the phm/50uH coupling impose to the block diagram of the checked for maximum and the maximum emissed all of the interface ca	ne provide a ring equipment. e main power through bedance with 50ohm of the test setup and n conducted ion, the relative bles must be changed					
Test environment:	Temp.: 23°C Hun	nid.: 56% Pro	ess.: 101kPa					
Measurement Record:		Uı	ncertainty: ±3.28dB					
Test Instruments:	Refer to section 5.7 for detail	ls	-					
Test mode:	Refer to section 5.3 for detail	ls						
Test results:	Pass							





Measurement data:

Line:



: CCIS Shielding Room : FCC PART15 B QP LISN LINE Site Condition

EUT : Tablet Model : K1 Test Mode : PC mode

Power Rating: AC120/60Hz Environment: Temp: 23 °C Huni:56% Atmos:101KPa Test Engineer: Zora

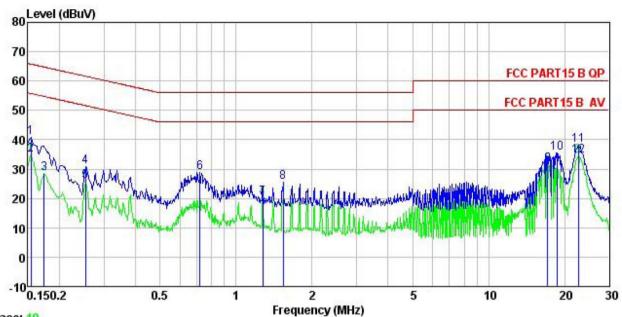
Re

lemark								
		Read	LISN	Cable		Limit	Over	
	Freq	Level	Factor	Loss	Level	Line	Limit	Remark
	MHz	dBu∜	<u>dB</u>		dBu₹	dBu∇	<u>ab</u>	
1	0.150	30.56	0.27	10.78	41.61	66.00	-24.39	QP
2	0.154	22.21	0.27	10.78	33.26	55.78	-22.52	Average
3	0.246	14.83	0.27	10.75	25.85	51.91	-26.06	Average
4	0.253	19.32	0.27	10.75	30.34	61.64	-31.30	QP
1 2 3 4 5	0.369	11.42	0.27	10.73	22.42	48.52	-26.10	Average
6	0.739	19.54	0.22	10.79	30.55	56.00	-25.45	QP
7 8 9	5.305	14.19	0.30	10.84	25.33	50.00	-24.67	Average
8	5.564	17.87	0.30	10.83	29.00	60.00	-31.00	QP
9	19.532	25.67	0.34	10.93	36.94	60.00	-23.06	QP
10	19.845	20.35	0.34	10.93	31.62	50.00	-18.38	Average
11	22.416	24.12	0.43	10.90	35.45	50.00	-14.55	Average
12	22,535	27.94	0.44	10.89	39.27	60.00	-20.73	QP





Neutral:



Trace: 19

Site

: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

EUT Tablet Model : K1 : PC mode Test Mode

Power Rating: AC120/60Hz Environment: Temp: 23 °C Huni:56% Atmos:101KPa Test Engineer: Zora

Remark

Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	
MHz	dBu₹	<u>dB</u>	dB	dBu₹	−−dBuV	<u>ab</u>		
0.154	29.69	0.25	10.78	40.72	65.78	-25.06	QP	
0.154	23.70	0.25	10.78	34.73	55.78	-21.05	Average	
0.174	17.41	0.25	10.77	28.43	54.77	-26.34	Average	
0.253	19.93	0.26	10.75	30.94	61.64	-30.70	QP	
0.253	14.88	0.26	10.75	25.89	51.64	-25.75	Average	
0.720	17.96	0.18	10.78	28.92	56.00	-27.08	QP	
1.276	9.06	0.24	10.90	20.20	46.00	-25.80	Average	
1.535	14.47	0.26	10.93	25.66	56.00	-30.34	QP	
17.109	20.45	0.25	10.91	31.61	50.00	-18.39	Average	
18.622	24.49	0.26	10.91	35.66	60.00	-24.34	QP	
22.655	26.86	0.38	10.89	38.13	60.00	-21.87	QP	
22.655	23.21	0.38	10.89	34.48	50.00	-15.52	Average	
	MHz 0. 154 0. 154 0. 174 0. 253 0. 720 1. 276 1. 535 17. 109 18. 622 22. 655	Freq Level MHz dBuV 0.154 29.69 0.154 23.70 0.174 17.41 0.253 19.93 0.253 14.88 0.720 17.96 1.276 9.06 1.535 14.47 17.109 20.45 18.622 24.49 22.655 26.86	Freq Level Factor MHz dBuV dB	MHz dBuV dB dB 0.154 29.69 0.25 10.78 0.154 23.70 0.25 10.78 0.174 17.41 0.25 10.77 0.253 19.93 0.26 10.75 0.253 14.88 0.26 10.75 0.720 17.96 0.18 10.78 1.276 9.06 0.24 10.90 1.535 14.47 0.26 10.93 17.109 20.45 0.25 10.91 18.622 24.49 0.26 10.91 22.655 26.86 0.38 10.89	Freq Level Factor Loss Level MHz dBuV dB dB dBuV 0.154 29.69 0.25 10.78 40.72 0.154 23.70 0.25 10.78 34.73 0.174 17.41 0.25 10.77 28.43 0.253 19.93 0.26 10.75 30.94 0.253 14.88 0.26 10.75 25.89 0.720 17.96 0.18 10.78 28.92 1.276 9.06 0.24 10.90 20.20 1.535 14.47 0.26 10.93 25.66 17.109 20.45 0.25 10.91 31.61 18.622 24.49 0.26 10.91 35.66 22.655 26.86 0.38 10.89 38.13	MHz dBuV dB dB dBuV dBuV 0.154 29.69 0.25 10.78 40.72 65.78 0.154 23.70 0.25 10.78 34.73 55.78 0.174 17.41 0.25 10.77 28.43 54.77 0.253 19.93 0.26 10.75 30.94 61.64 0.253 14.88 0.26 10.75 25.89 51.64 0.720 17.96 0.18 10.78 28.92 56.00 1.276 9.06 0.24 10.90 20.20 46.00 1.535 14.47 0.26 10.93 25.66 56.00 17.109 20.45 0.25 10.91 31.61 50.00 18.622 24.49 0.26 10.91 35.66 60.00 22.655 26.86 0.38 10.89 38.13 60.00	Freq Level Factor Loss Level Line Limit MHz dBuV dB dB dBuV dBuV dB dB dBuV dBuV dB dB dBuV dBuV dB dB dB dBuV dBuV dB dB <td>MHz dBuV dB dB dBuV dBuV dB 0.154 29.69 0.25 10.78 40.72 65.78 -25.06 QP 0.154 23.70 0.25 10.78 34.73 55.78 -21.05 Average 0.174 17.41 0.25 10.77 28.43 54.77 -26.34 Average 0.253 19.93 0.26 10.75 30.94 61.64 -30.70 QP 0.253 14.88 0.26 10.75 25.89 51.64 -25.75 Average 0.720 17.96 0.18 10.78 28.92 56.00 -27.08 QP 1.276 9.06 0.24 10.90 20.20 46.00 -25.80 Average 1.535 14.47 0.26 10.93 25.66 56.00 -30.34 QP 17.109 20.45 0.25 10.91 31.61 50.00 -18.39 Average 18.622 24.49</td>	MHz dBuV dB dB dBuV dBuV dB 0.154 29.69 0.25 10.78 40.72 65.78 -25.06 QP 0.154 23.70 0.25 10.78 34.73 55.78 -21.05 Average 0.174 17.41 0.25 10.77 28.43 54.77 -26.34 Average 0.253 19.93 0.26 10.75 30.94 61.64 -30.70 QP 0.253 14.88 0.26 10.75 25.89 51.64 -25.75 Average 0.720 17.96 0.18 10.78 28.92 56.00 -27.08 QP 1.276 9.06 0.24 10.90 20.20 46.00 -25.80 Average 1.535 14.47 0.26 10.93 25.66 56.00 -30.34 QP 17.109 20.45 0.25 10.91 31.61 50.00 -18.39 Average 18.622 24.49

Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.





6.2 Radiated Emission

Test Requirement:	FCC Part15 B S	Section 1	F 400							
		CCHOIL I	FCC Part15 B Section 15.109							
Test Method:	ANSI C63.4:2009									
Test Frequency Range:	30MHz to 6000MHz									
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)									
Receiver setup:	Frequency Detector RBW VBW						Remark			
·	30MHz-1GHz Quasi-		•			Hz	Quasi-peak Value			
	Above 1GHz	Pea		1MHz	3MF		Peak Value			
1 toute.	Frequenc					HZ	Average Value Remark			
Limit:	30MHz-88M		LIIIII	40.0	<i>(</i> 3111)	(Quasi-peak Value			
	88MHz-216N			43.5			Quasi-peak Value			
	216MHz-960			46.0			Quasi-peak Value			
	960MHz-1G			54.0			Quasi-peak Value			
				54.0			Average Value			
	Above 1GI	Ηz								
Test setup:	Above 1GHz 74.0 Peak Value Below 1GHz Antenna Tower Antenna Tower Ground Plane Above 1GHz Above 1GHz Ground Reference Plane									





Test Procedure:	The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter semi-anechoic camber. The table was rotated 360 degrees todetermine the position of the highest radiation.							
	The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.							
	3. 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.							
	4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.							
	5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth 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 environment:	Temp.: 25°C Humid.: 55% Press.: 101kPa							
Measurement Record:	Uncertainty: ±4.88dB							
Test Instruments:	Refer to section 5.7 for details							
Test mode:	Refer to section 5.3 for details							
Test results:	Passed							

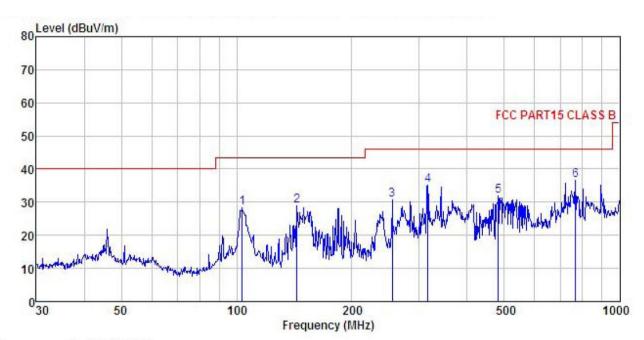




Measurement Data

Below 1GHz

Horizontal:



: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL Condition

EUT Tablet Model : K1 Test mode : PC Mode Power Rating : AC 120V/60Hz Environment : Temp:25.5°C Huni:55%

Test Engineer: Zora

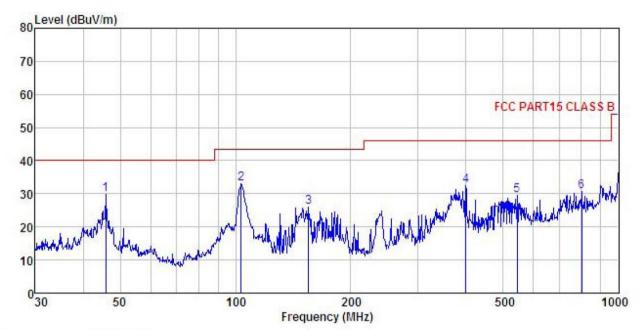
REMARK

THUTTE									
	223		Antenna						120
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-	MHz	dBu₹	dB/π		<u>d</u> B	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>dB</u>	
1	103.442	43.98	12.82	0.99	29.50	28.29	43.50	-15.21	QP
1 2 3 4 5	143.830	48.68	8.22	1.28	29.25	28.93	43.50	-14.57	QP
3	254.728	45.48	12.06	1.63	28.53	30.64	46.00	-15.36	QP
4	315.481	48.49	13.28	1.82	28.49	35.10	46.00	-10.90	QP
5	482.216	42.22	16.13	2.35	28.92	31.78	46.00	-14.22	QP
6	766.057	42.27	19.63	3.08	28.39	36.59	46.00	-9.41	QP





Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL Condition

EUT Tablet : K1 Model Test mode : PC Mode Power Rating : AC 120V/60Hz Environment : Temp:25.5°C Huni:55%

Test Engineer: Zora

REMARK

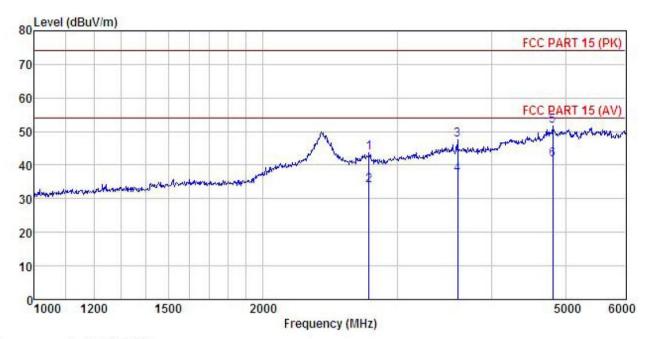
	Freq					Preamp Factor Level			Remark
_	MHz	—dBu∇	— <u>d</u> B/m		<u>d</u> B	dBuV/m	dBuV/m	<u>db</u>	
1	45.855	45.65	13.49	0.57	29.85	29.86	40.00	-10.14	QP
1 2 3	103.442	48.79	12.82	0.99	29.50	33.10	43.50	-10.40	QP
3	155.364	45.26	8.48	1.33	29.17	25.90	43.50	-17.60	QP
4	399.030	44.10	15.06	2.12	28.77	32.51	46.00	-13.49	QP
	543.274	38.57	17.46	2.52	29.08	29.47	46.00	-16.53	QP
6	801.786	35.60	20.06	3.17	28.19	30.64	46.00	-15.36	QP





Above 1GHz

Horizontal:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL : Tablet Condition

EUT Model : K1
Test mode : PC Mode
Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Zora

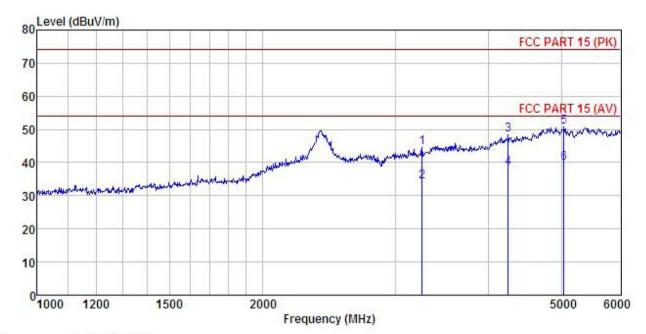
REMARK

Freq						Limit Line		Remark
MHz	dBu₹	<u>dB</u> /m	<u>d</u> B	<u>dB</u>	$\overline{dBuV/m}$	dBuV/m	dB	
2756. 107	48.53	28.31	7.39	40.53	43.70	74.00	-30.30	Peak
2756.107	38.74	28.31	7.39	40.53	33.91	54.00	-20.09	Average
3605.119	49.82	29.16	8.97	40.33	47.62			
3605.119	39.50	29.16	8.97	40.33	37.30	54.00	-16.70	Average
4808.328	49.66	31.53	10.57	40.24	51.52	74.00	-22.48	Peak
4808.328	39.88	31.53	10.57	40.24	41.74	54.00	-12.26	Average
	MHz 2756.107 2756.107 3605.119 3605.119 4808.328	Freq Level MHz dBuV 2756.107 48.53 2756.107 38.74 3605.119 49.82 3605.119 39.50 4808.328 49.66	Freq Level Factor MHz dBuV dB/m 2756.107 48.53 28.31 2756.107 38.74 28.31 3605.119 49.82 29.16 3605.119 39.50 29.16 4808.328 49.66 31.53	Freq Level Factor Loss MHz dBuV dB/m dB 2756.107 48.53 28.31 7.39 2756.107 38.74 28.31 7.39 3605.119 49.82 29.16 8.97 3605.119 39.50 29.16 8.97 4808.328 49.66 31.53 10.57	Freq Level Factor Loss Factor MHz dBuV dB/m dB dB 2756.107 48.53 28.31 7.39 40.53 2756.107 38.74 28.31 7.39 40.53 3605.119 49.82 29.16 8.97 40.33 3605.119 39.50 29.16 8.97 40.33 4808.328 49.66 31.53 10.57 40.24	MHz dBuV dB/m dB dB dBuV/m 2756.107 48.53 28.31 7.39 40.53 43.70 2756.107 38.74 28.31 7.39 40.53 33.91 3605.119 49.82 29.16 8.97 40.33 47.62 3605.119 39.50 29.16 8.97 40.33 37.30 4808.328 49.66 31.53 10.57 40.24 51.52	Freq Level Factor Loss Factor Level Line MHz dBuV dB/m dB dB dBuV/m dBuV/m	Freq Level Factor Loss Factor Level Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dB 2756.107 48.53 28.31 7.39 40.53 43.70 74.00 -30.30 2756.107 38.74 28.31 7.39 40.53 33.91 54.00 -20.09 3605.119 49.82 29.16 8.97 40.33 47.62 74.00 -26.38 3605.119 39.50 29.16 8.97 40.33 37.30 54.00 -16.70 4808.328 49.66 31.53 10.57 40.24 51.52 74.00 -22.48





Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL : Tablet Condition

EUT Model : K1 Test mode : PC Mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Zora REMARK :

Freq			Antenna Factor				Limit Line	Over Limit	Remark
	MHz	dBu₹	$-\overline{dB}/\overline{m}$	dB	<u>dB</u>	dBuV/m	dBuV/m	<u>d</u> B	
1	3258.176	47.86	28.48	8.34	40.09	44.59	74.00	-29.41	Peak
2	3258.176	37.48	28.48	8.34	40.09	34.21			Average
3	4245.295	49.10	30.32	9.92	40.91	48.43		-25.57	
4	4245.295	38.96	30.32	9.92	40.91	38.29			Average
5	5038.212	47.96	31.90	10.82	40.01	50.67		-23.33	
6	5038.212	37.25	31.90	10.82	40.01	39.96	54.00	-14.04	Average