# **FCC Test Report**

Report No.: AGC01991010SZ18F2

FCC ID : YXK-MD701

**PRODUCT DESIGNATION** : Tablet PC/MID

BRAND NAME : ///

**TEST MODEL** : MD-701

**CLIENT** : Shenzhen Huaruian Technology Co.,Ltd.

**DATE OF ISSUE** : Nov.01,2010

**STANDARD(S)** : FCC Part 15 Rules

### Attestation of Global Compliance Co., Ltd.

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#### **VERIFICATION OF COMPLIANCE**

	Shenzhen Huaruian Technology Co.,Ltd.
Applicant:	4th Floor of Yuxing, Sanwei Science and Technology Park, Hangcheng Road, Bao'an District, Shenzhen City, China
	Shenzhen Huaruian Technology Co.,Ltd.
Manufacturer:	4th Floor of Yuxing, Sanwei Science and Technology Park, Hangcheng Road, Bao'an District, Shenzhen City, China
Product Description:	Tablet PC/MID
Brand Name:	HA
Model Name:	MD-701,MD-702,MD-703,MD-706,MD-707,MD-801, MD-802,MD-901,MD-902,MD-101
Model difference	The above models have same schematic and PCB except for appearance. Test model is MD-701
FCC ID	YXK-M701
Report Number:	AGC01991010SZ18F2
Date of Test:	Oct.26 2010 to Oct.29, 2010

#### **WE HEREBY CERTIFY THAT:**

The above equipment was tested by Attestation of Global Compliance Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rules Part 15.247.

Checked By:

Forrest Lei Nov.1, 2010

Authorized By King Zhang Nov.1, 2010

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#### 1. GENERAL INFORMATION

#### 1.1 PRODUCT DESCRIPTION

The EUT is a **Tablet PC/MID** designed as an "Portable Device". It is designed by way of utilizing the DSSS technology to achieve the system operation.

A major technical description of EUT is described as following:

Modulation	CCK (IEEE802.11b) OFDM (IEEE802.11g)					
Support Channels	11 Channels (IEEE802.11b/g)					
Rated Output Power	11.74 dBm (IEEE802.11b) 11.52 dBm (IEEE802.11g)					
Antenna Designation	Integrated Antenna					
Power Supply	Internal Lion Battery DC 5V					
Travel Adapter	Output :DC5V,2000mA					
Channels Frequency	01: 2412MHZ 02: 2417MHZ 03: 2422MHZ 04: 2427MHZ 05: 2432MHZ 06: 2437MHZ 07: 2442MHZ	08: 2447MHZ 09: 2452MHZ 10: 2457MHZ 11: 2462MHZ				

#### 1.2 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: YXK-M701** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

#### 1.3 TEST METHODOLOGY

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

#### 1.4 TEST FACILITY

All measurement facilities used to collect the measurement data are located at Attestation of Global Compliance Co., Ltd.

1F., No.2 Building, Huafeng No.1 Technical Industrial Park, Sanwei, Xixiang, Baoan District, Shenzhen The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003. FCC register No.: 259865

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

#### 1.5 SPECIAL ACCESSORIES

Not available for this EUT intended for grant.

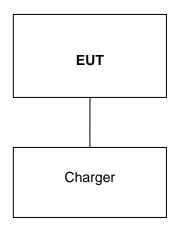
#### 1.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

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#### 2. SYSTEM TEST CONFIGURATION

#### 2.1 CONFIGURATION OF TESTED SYSTEM



#### 2.2 EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID
1	Tablet PC/MID	HAL	MD-701	YXK-M701
2	Charger	N/A	JD-0520	

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#### 3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST ITEM	RESULT		
§15.207	Conduction Emission	Compliant		
§15.209	Radiated Emission	Compliant		
§15.247	Maximum Conducted Output Power	Compliant		
§15.247	§15.247 Maximum Power Density			
§15.247	§15.247 Minimum 6 dB Bandwidth			
§15.247	Out of Band Emission	Compliant		
§15.247	§15.247 Band Edges			

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#### 4. DESCRIPTION OF TEST MODES

1. The EUT has been set to operate continuously on the lowest, the middle and the highest operation frequency individually.

2. The EUT stays in continuous transmitting mode on the operation frequency being set.

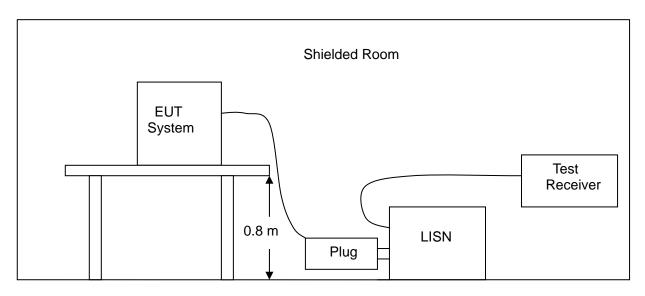
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#### 5. CONDUCTION EMISSIONS

#### 5.1 MEASUREMENT PROCEDURE

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4.
- 2. Support equipment, if needed, was placed as per ANSI C63.4.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4. The EUT received AC120V through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5. All support equipments received AC power from a second LISN, if any.
- 6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.

#### 5.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



#### 5.3 MEASUREMENT EQUIPMENT USED

Conducted Emission Test Site										
Name of Equipment	Manufacturer	Serial Number	Cal. Date							
Test Receiver	Rohde & Schwarz	ESCI	N/A	06/29/2010						
LISN	Rohde & Schwarz	ESH3-Z5	N/A	06/29/2010						
50 Coaxial Switch	Anritsu	MP59B	M20531	06/29/2010						

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#### 5.4 LIMITS AND MEASUREMENT RESULT

#### LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage						
Frequency	Q.P.( dBuV)	Average( dBuV)					
150kHz~500kHz	66-56	56-46					
500kHz~5MHz	56	46					
5MHz~30MHz	60	50					

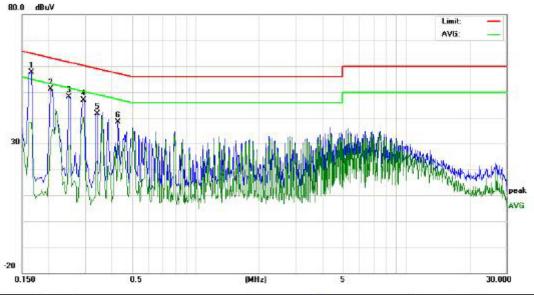
<sup>1\*\*</sup>Note: 1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

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#### TEST RESULT OF LINE -L CONDUCTED EMISSION TEST

#### Conducted Emission Measurement



Site: Conduction Limit: FCC Class B Conduction(QP)

Phase: L1 Power: AC 120

AC 120V/60Hz

Temperature: 26

Humidity: 60 %

EUT: M/N: Mode: Note:

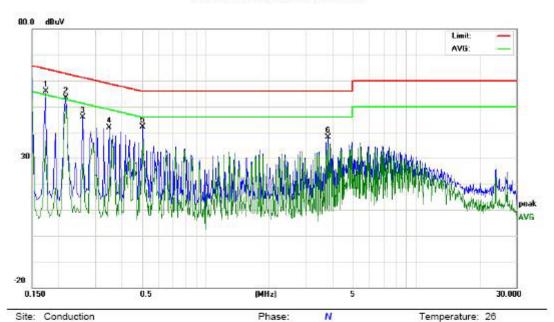
No.	Freq.	Rea	Reading_Level (dBuV)		Correct Factor	Measurement (dBuV)				7277771000000000000000				rgin (B)	P/F	Comment
1050	(MHz)	Peak	QP	AVG	dB	Peak	QP	AVG	QP	AVG	QP	AVG	201202			
1	0.1660	47.55	41.29	11.01	10.18	57.73	51.47	21.19	65.15	55.15	-13.68	-33.96	Р			
2	0.2060	41.01		22.29	10.22	51.23		32.51	63.36	53.36	-12.13	-20.85	Р			
3	0.2500	37.81		18.79	10.27	48.08		29.06	61.75	51.75	-13.67	-22.69	Р			
4	0.2940	36.68	30.95	22.69	10.29	46.97	41.24	32.98	60.41	50.41	-19.17	-17.43	Р			
5	0.3420	31.27	25.60	4.28	10.31	41.58	35.91	14.59	59.15	49.15	-23.24	-34.56	Р			
6	0.4300	28.14		19.71	10.35	38.49		30.06	57.25	47.25	-18.76	-17.19	Р			

Humidity: 60 %

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#### TEST RESULT OF LINE -N CONDUCTED EMISSION TEST

#### Conducted Emission Measurement



Limit: FCC Class B Conduction(QP)

EUT: M/N: Mode: Note:

No.	Freq.	Rea	Reading_Level (dBuV)		Correct Factor							Limit (dBuV)				rgin IB)	P/F	Comment
	(MHz)	Peak	QP	AVG	dB	Peak	QP	AVG	QP	AVG	QP	AVG						
1	0.1740	45.71	39.34	9.76	10.19	55.90	49.53	19.95	64.76	54.76	-15.23	-34.81	P:					
2	0.2180	43.21	41.70	32.38	10.23	53.44	51.93	42.61	62.89	52.89	-10.96	-10.28	P					
3	0.2620	35.60		17.48	10.27	45.87	0 0	27.75	61.36	51.36	-15.49	-23.61	Р					
4	0.3500	31.45		12.63	10.31	41.78		22.94	58.96	48.98	-17.20	-26.02	Р					
5	0.5060	31.71	28.27	25.76	10.39	42.10	38.66	36.15	56.00	46.00	-17.34	-9.85	Р					
8	3.8340	27.59		23.78	10.46	38.05	.00 97	34.24	56.00	46.00	-17.95	-11.76	Р					

Power: AC 120V/60Hz

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#### **6. MAXIMUM OUTPUT POWER**

#### **6.1 MEASUREMENT PROCEDURE**

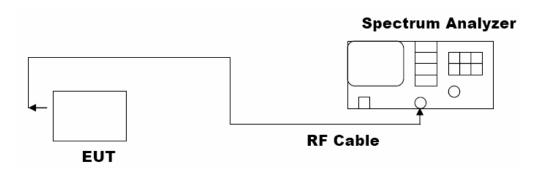
#### **CONDUCTED METHOD**

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 4. Set SPA Centre Frequency = Operation Frequency, RBW= 1 MHz, VBW= 1 MHz.
- 5. Set SPA Trace 1 Max hold, then View.

RADIATED METHOD According to ANSI C63.4:2003

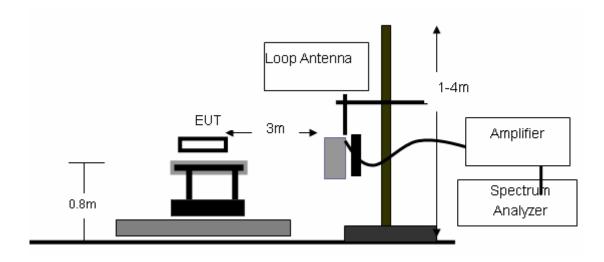
#### **6.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)**

#### **CONDUCTED METHOD**



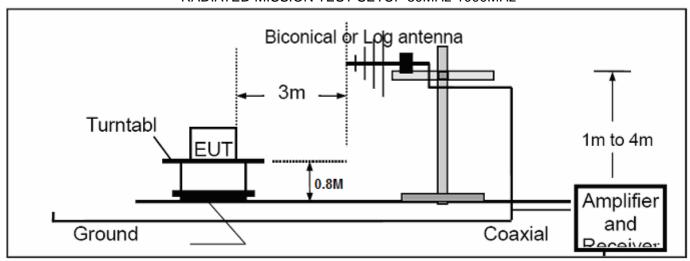
#### **RADIATED EMISSION TEST SETUP**

RADIATED MISSION TEST SETUP BELOW 30MHz

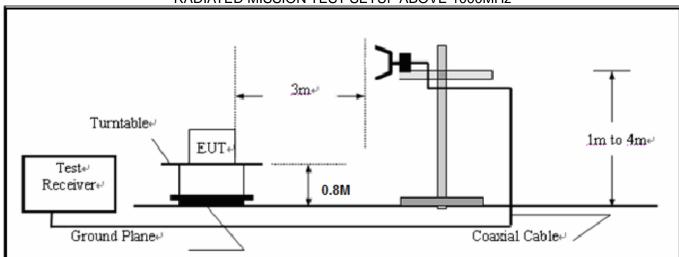


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#### RADIATED MISSION TEST SETUP 30MHz-1000MHz

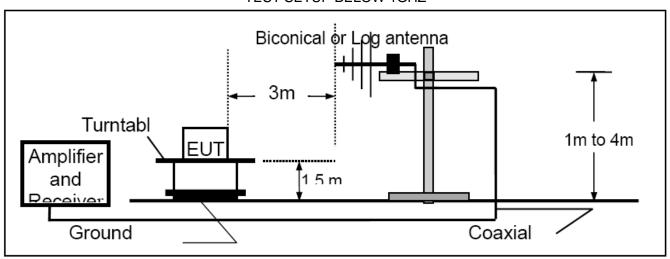


RADIATED MISSION TEST SETUP ABOVE 1000MHz

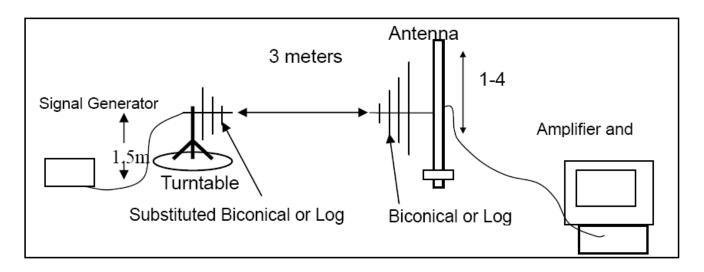


**EIRP TEST SETUP** 

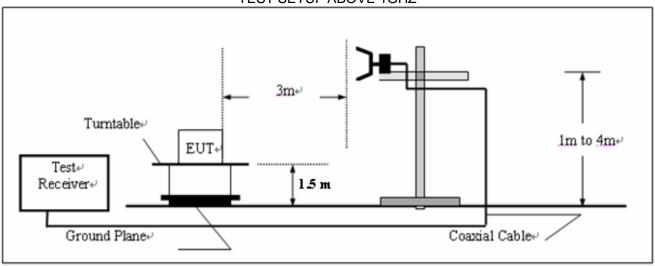
**TEST SETUP BELOW 1GHZ** 

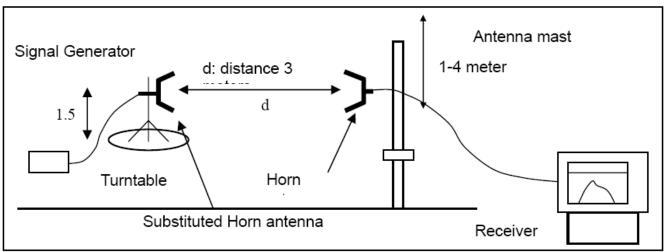


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#### TEST SETUP ABOVE 1GHZ





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#### **6.3 MEASUREMENT EQUIPMENT USED**

Description	Manufacturer	Model	SERIAL NUMBER	Cal. Date	Cal. Due
Spectrum Analyzer	Agilent	E4440A	N/A	06/29/2010	06/28/2011
Amplifier	EM	EM30180	0607030	06/29/2010	06/28/2011
Horn Antenna	EM	EM-AH-1018 0	N/A	06/29/2010	06/28/2011
EMI Test Receiver	Rohde & Schwarz	ESCI	N/A	06/29/2010	06/28/2011
Amplifier	EM	EM30180	N/A	06/29/2010	06/28/2011
Bilogical Antenna	A.H. Systems Inc.	SAS-521-4	N/A	06/29/2010	06/28/2011
Isolation Transformer	LETEAC	LTBK		06/08/2010	06/07/2011
Loop Antenna	Daze	ZN30900N	SEL0097	06/29/2010	06/28/2011

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#### **6.4 LIMITS AND MEASUREMENT RESULT**

LIMITS AND MEASUREMENT RESULT IEEE 802.11b									
Applicable	Fraguenay		Measurement Res	sult					
Limits	Frequency	EIRP (dBm)	Conducted (dBm)	Criteria					
30 dBm	2.412MHz	11.56	10.23	PASS					
30 dBm	2.437MHz	11.74	10.58	PASS					
30 dBm	2.462MHz	11.63	10.49	PASS					

LIMITS AND MEASUREMENT RESULT IEEE 802.11g						
Applicable	Fraguanay	Measurement Result				
Limits	Frequency	EIRP (dBm)	EIRP (dBm) Conducted (dBm)			
30 dBm	2.412MHz	11.18	10.34	PASS		
30 dBm	2.437MHz	11.52	10.75	PASS		
30 dBm	2.462MHz	11.39	10.50	PASS		

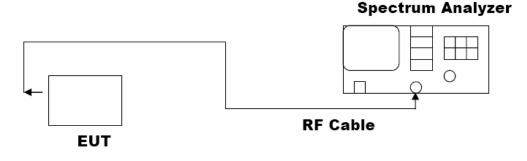
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#### 7. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

#### 7.1 MEASUREMENT PROCEDURE

- (1). The EUT was placed on a turn table which is 0.8m above ground plane.
- (2). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (3), Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (4). Set SPA Centre Frequency = Operation Frequency, RBW= 3 KHz, VBW= 10 KHz., Sweep time= Auto
- (5). Set SPA Trace 1 Max hold, then View.

#### 7.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



#### 7.3 MEASUREMENT EQUIPMENT USED

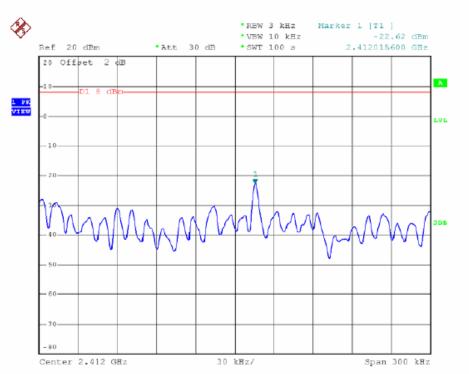
SHIELDING ROOM					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4440A	N/A	06/29/2010	06/28/2011

#### 7.4 LIMITS AND MEASUREMENT RESULT

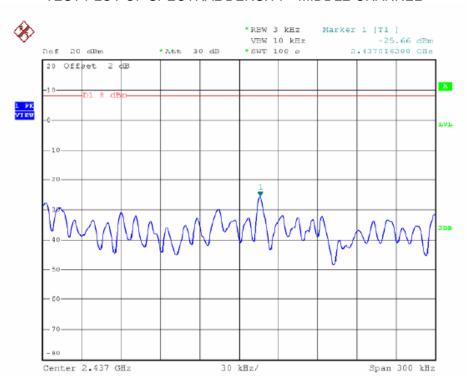
LIMITS AND MEASUREMENT RESULT IEEE 802.11b					
Applicable Limite		Measurement Result			
Applicable Limits	Test Data (d	Criteria			
	Bottom Channel	-22.62	PASS		
8 dBm / 3KHz	Middle Channel	-25.66	PASS		
	Top Channel	-22.26	PASS		

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#### TEST PLOT OF SPECTRAL DENSITY - BOTTOM CHANNEL

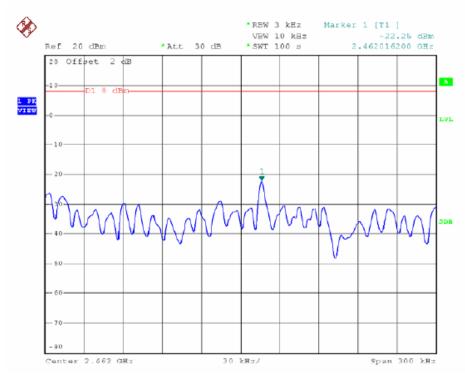


#### TEST PLOT OF SPECTRAL DENSITY - MIDDLE CHANNEL



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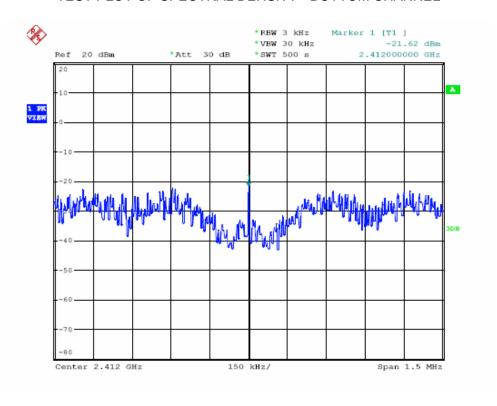
#### TEST PLOT OF SPECTRAL DENSITY - TOP CHANNEL



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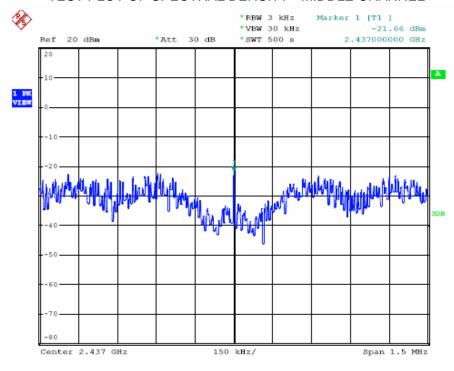
LIMITS AND MEASUREMENT RESULT IEEE 802.11g					
Applicable Limite		Measurement Result			
Applicable Limits	Test Data (dl	Criteria			
	Bottom Channel	-21.62	PASS		
8 dBm / 3KHz	Middle Channel	-21.66	PASS		
	Top Channel	-21.62	PASS		

#### TEST PLOT OF SPECTRAL DENSITY - BOTTOM CHANNEL

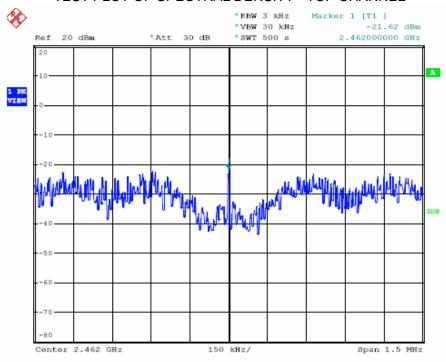


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#### TEST PLOT OF SPECTRAL DENSITY - MIDDLE CHANNEL



#### TEST PLOT OF SPECTRAL DENSITY - TOP CHANNEL



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#### 8. MINIMUM 6 DB BANDWIDTH

#### **8.1 MEASUREMENT PROCEDURE**

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 3, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Centre Frequency = Operation Frequency, RBW= 100kHz, VBW= 100kHz.
- 4. Set SPA Trace 1 Max hold, then View.

#### 8.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The Same as described in section 7.2

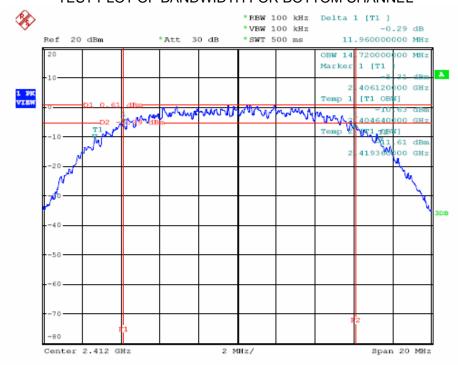
#### **8.3 MEASUREMENT EQUIPMENT USED**

The Same as described in section 6.3

#### **8.4 LIMITS AND MEASUREMENT RESULT**

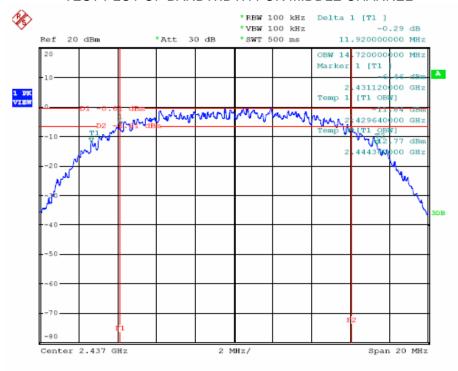
LIMITS AND MEASUREMENT RESULT IEEE 802.11b					
Applicable Limite		Measurement Result			
Applicable Limits	Test Data	Criteria			
	Bottom Channel	11.96	PASS		
>500 KHz	Middle Channel	11.92	PASS		
	Top Channel	11.92	PASS		

#### TEST PLOT OF BANDWIDTH FOR BOTTOM CHANNEL

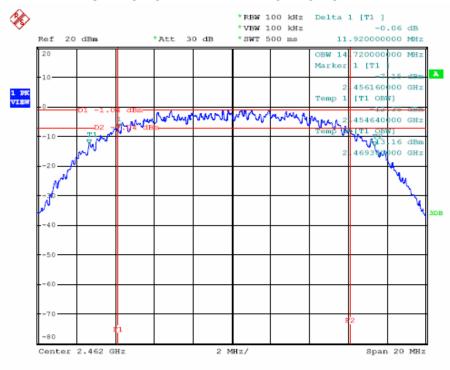


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#### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



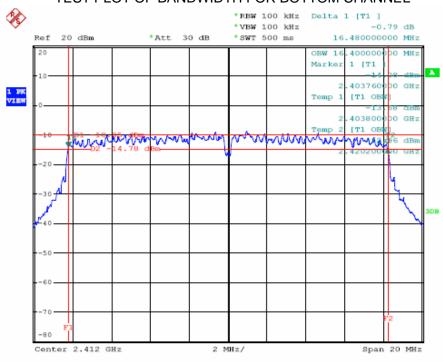
#### TEST PLOT OF BANDWIDTH FOR TOP CHANNEL



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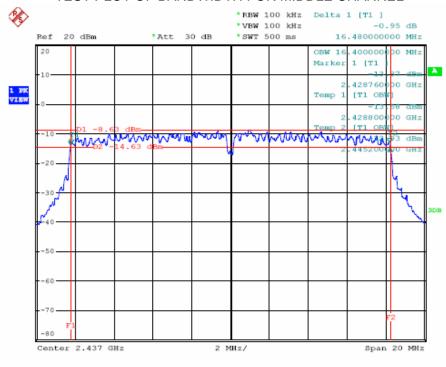
LIMITS AND MEASUREMENT RESULT IEEE 802.11g					
Applicable Limite		Measurement Result			
Applicable Limits	Test Data	Criteria			
	Bottom Channel	16.48	PASS		
>500 KHz	Middle Channel	16.48	PASS		
	Top Channel	16.48	PASS		

#### TEST PLOT OF BANDWIDTH FOR BOTTOM CHANNEL

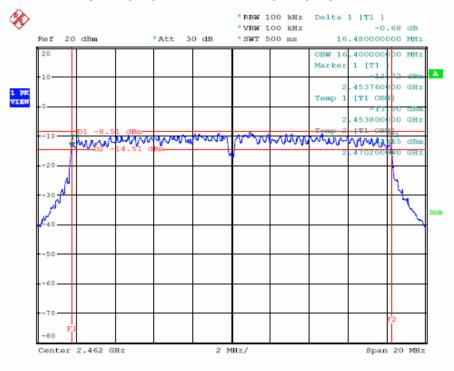


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#### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



#### TEST PLOT OF BANDWIDTH FOR TOP CHANNEL



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#### 9. OUT OF BAND EMISSION

#### 9.1 MEASUREMENT PROCEDURE

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW= 100 KHz Below 1GHZ,RBW=1MHZ,VBW=1MHZ Above 1GHZ
- 4. Set SPA Trace 1 Max hold, then View.

#### 9.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The Same as described in section 6.2

1. Radiated Emission test Setup below 1GHz and Above 1GHz

#### 9.3 MEASUREMENT EQUIPMENT USED

The Same as described in section 6.3

#### 9.4 LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT					
Applicable Limits	Measurement Result				
Applicable Limits	Test Data	Criteria			
In any 100 KHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest	At least -20dBc than the limit Specified on the BOTTOM Channel	PASS			
level of the desired power.  In addition, radiation emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in§15.209(a))	At least -20dBc than the limit Specified on the TOP Channel	PASS			

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#### **RADIATED EMISSION BELOW 30MHZ**

No emission found between lowest internal used/generated frequency to 30MHz.

#### **RADIATED EMISSION BELOW 1GHZ**

EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Test Voltage	AC120V/60Hz
Test Mode	2412MHZ	Modulation	802.11b

Freq. (MHZ)	Ant.Pol. H/V	Detector (PK/QP)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
56.33	Н	Peak	16.14	12.56	28.7	40	-11.3
144.78	Н	Peak	1.8	20.04	21.84	43.5	-21.66
503.68	Н	Peak	3.81	23.01	26.92	46	-19.18
647.56	Н	Peak	9.16	25.75	34.91	46	-11.09
893.3	Н	Peak	6.19	28.92	35.11	46	-10.89
914.31	Н	Peak	9.83	29.45	39.28	46	-6.72
54.33	V	Peak	20.13	9.25	29.38	40	-10.62
72.03	V	Peak	21.86	9.05	30.91	40	-9.09
201.36	V	Peak	7.39	15.15	22.54	43.5	-20.96
330.70	V	Peak	3.77	18.46	22.23	46	-23.77
647.66	V	Peak	4.5	25.75	30.25	46	-15.75
	V	Peak					

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EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Test Voltage	AC120V/60Hz
Test Mode	2437MHZ	Modulation	802.11b

Freq. (MHZ)	Ant.Pol. H/V	Detector (PK/QP)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Н	Peak					
	Н	Peak					
	V	Peak					
	V	Peak					

EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Test Voltage	AC120V/60Hz
Test Mode	2462MHZ	Modulation	802.11b

Freq. (MHZ)	Ant.Pol. H/V	Detector (PK/QP)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Н	Peak					
	Н	Peak					
	V	Peak					
	V	Peak					

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EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Test Voltage	AC120V/60Hz
Test Mode	2412/2437/2462MHZ	Modulation	802.11g

Freq. (MHZ)	Ant.Pol. H/V	Detector (PK/QP)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Н	Peak					
	Н	Peak					
	V	Peak					
	V	Peak					

**Note:** This Handheld EUT was tested in 3 orthogonal positions and the worst-case data was presented. "--"means the mode at least have 20dB margin.

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#### **RADIATED EMISSION ABOVE 1GHZ**

EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Test Voltage	AC120V/60Hz
Test Mode	2412MHZ	Modulation	802.11b

Freq.	Ant.Pol.	Peak AV		Factor	Re	sult	Peak	AV	Margin
(MHZ)	H/V	Reading (dBuV)	Reading (dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	
4824	Н	54.15		-5.83	48.32		74	54	-25.68
7236	Н	59.75		-9.19	50.56		74	54	-23.44
9648	Н	63.67		-11.1	52.57		74	54	-21.43
	Н						74	54	
	Н								
					1	1	1	1	
4824	V	56.42		-5.2	51.22		74	54	-22.78
7236	V	61.72		-8.24	53.48		74	54	-20.52
9648	V	63.54		-10.3	53.24		74	54	-20.76
	V						74	54	
	V								

EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Test Voltage	AC120V/60Hz
Test Mode	2437MHZ	Modulation	802.11b

Freq.	Ant.Pol.	Peak	AV	Factor	Re	sult	Peak	AV	Margin
(MHZ)	H/V	Reading (dBuV)	Reading (dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	
	Н								
	Н								
	V								
	V								

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EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Test Voltage	AC120V/60Hz
Test Mode	2462MHZ	Modulation	802.11b

Freq.	Ant.Pol.	Peak	AV	Factor	Re	sult	Peak	AV	Margin
(MHZ)	H/V	Reading (dBuV)	Reading (dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	
	Н								
	Н								
	V								
	V								

EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Test Voltage	AC120V/60Hz
Test Mode	2412/2437/2462MHZ	Modulation	802.11g

Freq.	Ant.Pol.	Peak	AV	Factor	Re	sult	Peak	AV	Margin
(MHZ)	H/V	Reading (dBuV)	Reading (dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	
	Н								
	Н								
	V								
	V								

**Note:** This Handheld EUT was tested in 3 orthogonal positions and the worst-case data was presented. "--"means the mode at least have 20dB margin.

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#### 10. BAND EDGE EMISSION

#### **10.1 MEASUREMENT PROCEDURE**

- 1, Set the EUT Work on the top, the bottom operation frequency individually.
- 2. Set SPA Start or Stop Frequency = Operation Frequency, RBW= 100kHz, VBW= 100kHz.
- 3. The band edges was measured and receorded.

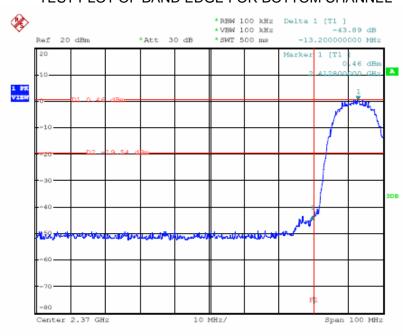
#### 10.2 TEST SET-UP

The Same as described in section 6.2

#### **10.3TEST RERULT**

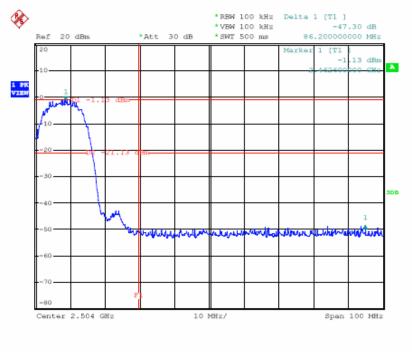
#### **BAND EDGE TEST RESULT IEEE 802.11b**

#### TEST PLOT OF BAND EDGE FOR BOTTOM CHANNEL



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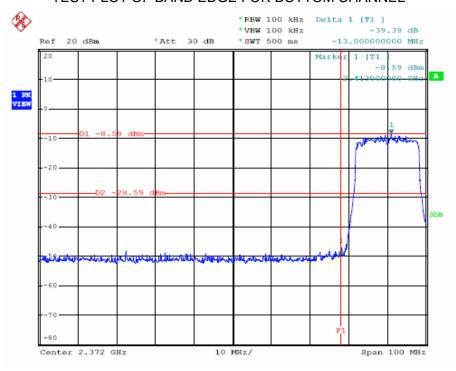
#### TEST PLOT OF BAND EDGE FOR TOP CHANNEL



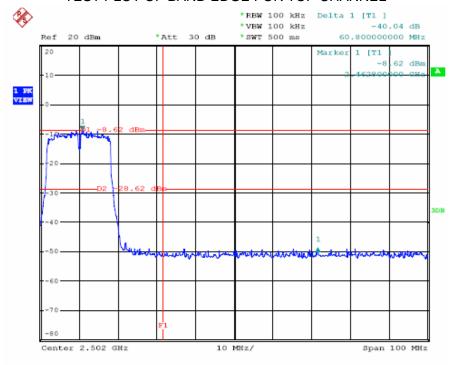
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#### **BAND EDGE TEST RESULT IEEE 802.11g**

#### TEST PLOT OF BAND EDGE FOR BOTTOM CHANNEL



#### TEST PLOT OF BAND EDGE FOR TOP CHANNEL



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#### **TEST RESULT OF BANDEGDE FOR RESTRICTED BANDS**

EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Modulation	802.11b

#### **CHANNEL 1(Bottom channel)**

Freq. (MHZ)	Ant.Pol. H/V	Reading	Detector	Factor (dB)	Result	Peak Limit (dBuV/m)	Margin
2389.42	Н	54.33	Peak	-7.34	46.99	74	-27.01
2409.36	Н	61.57	Peak	-5.83	55.74	74	-18.26
2389.42	Н	43.17	Average	-7.34	35.83	54	-18.17
2409.36	Н	52.34	Average	-5.83	46.51	54	-7.49

#### **CHANNEL 11(Top channel)**

Freq. (MHZ)	Ant.Pol. H/V	Reading	Detector	Factor (dB)	Result	Peak Limit (dBuV/m)	Margin
2483.62	Н	64.32	Peak	-8.53	55.79	74	-18.21
2483.62	Н	52.16	Average	-8.53	43.63	54	-10.37

Note: "--"means other frequencys at least have 20dB margin.

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EUT	Tablet PC/MID	Model Name	MD-701
Temperature	26 ° C	Relative Humidity	55%
Pressure	960hPa	Modulation	802.11g

#### **CHANNEL 1(Bottom channel)**

Freq. (MHZ)	Ant.Pol. H/V	Reading	Detector	Factor (dB)	Result	Peak Limit	Margin
						(dBuV/m)	
2359.37	Н	58.53	Peak	-6.14	52.39	74	-21.61
2359.37	Н	46.32	Average	-6.14	40.18	54	-13.82

### **CHANNEL 11(Top channel)**

Freq. (MHZ)	Ant.Pol. H/V	Reading	Detector	Factor (dB)	Result	Peak Limit (dBuV/m)	Margin
2483.59	Н	62.47	Peak	-8.35	54.12	74	-19.88
2483.59	Н	51.13	Average	-8.35	42.78	54	-11.22

Note: "--"means other frequencys at least have 20dB margin.

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## APPENDIX I PHOTOGRAPHS OF THE EUT

TOP VIEW OF EUT



BOTTOM VIEW OF EUT



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RIGHT VIEW OF EUT



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OPEN VIEW OF EUT

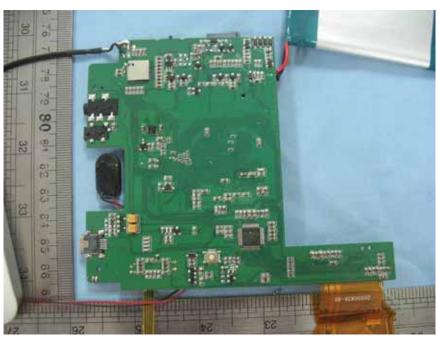


INTERNAL VIEW OF EUT-1



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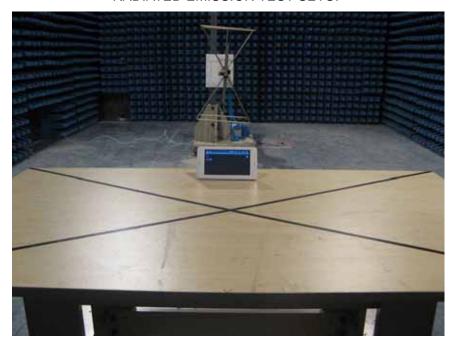
#### INTERNAL VIEW OF EUT -2



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# APPENDIX II PHOTOGRAPHS OF THE TEST SETUP

RADIATED EMISSION TEST SETUP



----END OF REPORT----