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Shenzhen, China.

Telephone: +86-755-29451282, Fax: +86-755-22639141

Report No.: FCC13-RTE102801

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# **FCC REPORT**

**Applicant:** EKEN(HK) ELECTRONICS CO.,LIMITED

Address of Applicant: Building 2F-2A/2B, Huafeng Science Park, Gonghe Gongye

Road, XiXiang, Bao'an District, Shenzhen, China

**Equipment Under Test (EUT)** 

Product Name: TABLET PC

Brand Name: EKEN

Model No.: GC10X, GT10X, GM10X, GT10S, GM10S, GT90X, GT80X

FCC ID: PVVGT10X

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247:2012

**Date of sample receipt:** October 18, 2013

Date of Test: October 18, 2013 to October 28, 2013

Date of report issued: October 28, 2013

Test Result: PASS \*

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.

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<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



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### 2 Version

Version No.	Date	Description
00	October 28, 2013	Original

Prepared By:	Jason	Date:	October 28, 2013
	Project Engineer		
Check By:	Canyo	Date:	October 28, 2013
	Reviewer		



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# 4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
Channel 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

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



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### 5 General Information

### 5.1 Client Information

Applicant:	EKEN(HK) ELECTRONICS CO.,LIMITED
Address of Applicant:	Building 2F-2A/2B, Huafeng Science Park, Gonghe Gongye Road, XiXiang,
	Bao'an District, Shenzhen, China
Manufacturer:	EKEN(HK) ELECTRONICS CO.,LIMITED
Address of Manufacturer:	Building 2F-2A/2B, Huafeng Science Park, Gonghe Gongye Road, XiXiang,
	Bao'an District, Shenzhen, China
Factory:	EKEN(HK) ELECTRONICS CO.,LIMITED
Address of Factory:	Building 2F-2A/2B, Huafeng Science Park, Gonghe Gongye Road, XiXiang,
	Bao'an District, Shenzhen, China

### 5.2 General Description of EUT

Product Name:	TABLET PC
Brand Name:	EKEN
Model No.:	GC10X, GT10X, GM10X, GT10S, GM10S, GT90X, GT80X
Operation Frequency:	802.11b/802.11g/802.11n(HT20): 2412MHz~2462MHz
	802.11n(HT40): 2422MHz~2452MHz
Channel numbers:	802.11b/802.11g /802.11n(HT20): 11
	802.11(HT40): 7
Channel separation:	5MHz
Modulation technology:	802.11b: Direct Sequence Spread Spectrum (DSSS)
	802.11g/802.11n(H20)/802.11n(H40):
	Orthogonal Frequency Division Multiplexing (OFDM)
Antenna Type:	Integral Antenna
Antenna gain:	2.00dBi (declare by Applicant)
Power supply:	Adapter: Model No.: HND050200U Input: 100-240VAC, 50/60Hz, 0.35A MAX Output: 5VDC, 2A Or 3.7V Li-ion Battery

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Operation Frequency each of channel								
Channel Frequency Channel Frequency Channel Frequency Channel Frequency								
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz	
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz	
3	2422MHz	6	2437MHz	9	2452MHz			

#### Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

	Frequency	/ (MHz)
Test channel	802.11b/802.11g/802.11n(HT20)	802.11n(HT40)
Lowest channel	2412MHz	2422MHz
Middle channel	2437MHz	2437MHz
Highest channel	2462MHz	2452MHz

### 5.3 Test mode

Transmitting mode Keep the EUT in continuously transmitting mode

Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)
Data rate	1Mbps	6Mbps	6.5Mbps	13Mbps

### 5.4 Description of Support Units

N	0	n	ρ



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### 5.5 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.

### 5.6 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

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### 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	9.2(L)*6.2(W)* 6.4(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	Spectrum Analyzer	Agilent	E4440A	GTS533	Dec. 6, 2012	Dec. 5, 2013	
4	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Jul. 02 2013	Jul. 01 2014	
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	Feb. 24 2013	Feb. 23 2014	
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 28 2013	June 27 2014	
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 29 2013	Mar. 28 2014	
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
9	Coaxial Cable	GTS	N/A	GTS213	Mar. 30 2013	Mar. 29 2014	
10	Coaxial Cable	GTS	N/A	GTS211	Mar. 30 2013	Mar. 29 2014	
11	Coaxial cable	GTS	N/A	GTS210	Mar. 30 2013	Mar. 29 2014	
12	Coaxial Cable	GTS	N/A	GTS212	Mar. 30 2013	Mar. 29 2014	
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	Jul. 02 2013	Jul. 01 2014	
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	Jul. 02 2013	Jul. 01 2014	
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 28 2013	June 27 2014	
16	Band filter	Amindeon	82346	GTS219	Mar. 30 2013	Mar. 29 2014	

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	Sep. 07 2013	Sep. 06 2015			
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS223	Jul. 02 2013	Jul. 01 2014			
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS224	Jul. 02 2013	Jul. 01 2014			



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4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	Jul. 02 2013	Jul. 01 2014
5	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	Jul. 02 2013	Jul. 01 2014
6	Coaxial Cable	GTS	N/A	GTS227	Jul. 02 2013	Jul. 01 2014
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 09 2013	July 08 2014			



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### 7 Test results and Measurement Data

### 7.1 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 antenna is Integral antenna, the best case gain of the antenna is 2.0dBi



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### 7.2 Conducted Emissions

T (D : (	E00 D 145 0 0 11 15 005	-					
Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.4:2003						
Test Frequency Range:	150KHz to 30MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9KHz, VBW=30KHz, S	weep time=auto					
Limit:	Fraguency range (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				
Taskaskon	* Decreases with the logarithr						
Test setup:	Reference Plane	! 	_				
	AUX Equipment  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 a line impedance stabilization 50ohm/50uH coupling impedance.</li> <li>The peripheral devices are LISN that provides a 50ohr</li> </ol>	n network (L.I.S.N.). The edance for the measuri also connected to the	nis provides a ing equipment. main power through a				
	termination. (Please refer t 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 6.0 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Pass						
	-		l.				

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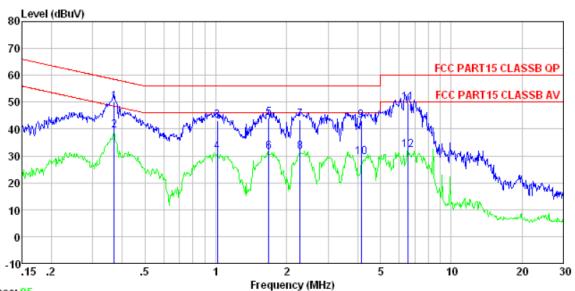


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#### Measurement data

Line:



Trace: 95

Condition : FCC PART15 CLASSB QP LISN-2013 LINE

Test Engineer: Yang

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.369	49.74	0.11	0.10	49.95	58.52	-8.57	QP
2	0.369	39.38	0.11	0.10	39.59	48.52	-8.93	Average
2 3	1.016	43.02	0.14	0.10	43.26	56.00	-12.74	QP
4	1.016	31.40	0.14	0.10	31.64	46.00	-14.36	Average
4 5 6 7	1.680	43.90	0.12	0.10	44.12	56.00	-11.88	QP
6	1.680	31.19	0.12	0.10	31.41	46.00	-14.59	Average
7	2. 285	43.09	0.13	0.10	43.32	56.00	-12.68	QP
8 9	2. 285	31.29	0.13	0.10	31.52	46.00	-14.48	Average
9	4.158	42.77	0.20	0.10	43.07	56.00	-12.93	QP
10	4.158	29.25	0.20	0.10	29.55	46.00	-16.45	Average
11	6.557	49.52	0.23	0.13	49.88	60.00	-10.12	QP
12	6.557	31.71	0.23	0.13	32.07	50.00	-17.93	Average

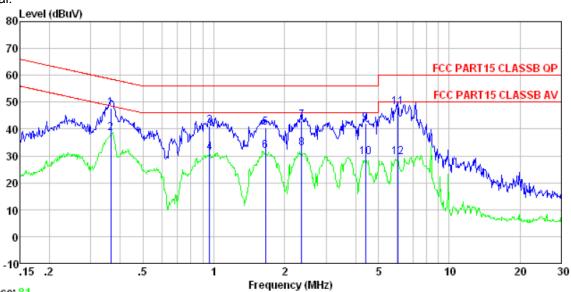
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#### Neutral:



Trace: 81

Condition : FCC PART15 CLASSB QP LISN-2013 NEUTRAL

Test Engineer: Yang

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	d₿	dB	dBuV	dBuV	dB	
1	0.365	47.63	0.06	0.10	47.79	58.61	-10.82	QP
2	0.365	38. 22	0.06	0.10	38.38	48.61	-10.23	Average
2 3	0.958	40.95	0.07	0.10	41.12	56.00	-14.88	QP
4	0.958	31.09	0.07	0.10	31.26	46.00	-14.74	Average
4 5 6 7	1.654	40.33	0.09	0.10	40.52	56.00	-15.48	QP
6	1.654	31.64	0.09	0.10	31.83	46.00	-14.17	Average
7	2.358	42.88	0.10	0.10	43.08	56.00	-12.92	QP
8 9	2.358	32.60	0.10	0.10	32.80	46.00	-13.20	Average
9	4.407	42.05	0.15	0.10	42.30	56.00	-13.70	QP
10	4.407	29.33	0.15	0.10	29.58	46.00	-16.42	Average
11	6.056	47.69	0.16	0.12	47.97		-12.03	
12	6.056	29.08	0.16	0.12	29.36	50.00	-20.64	Average

#### Notes:

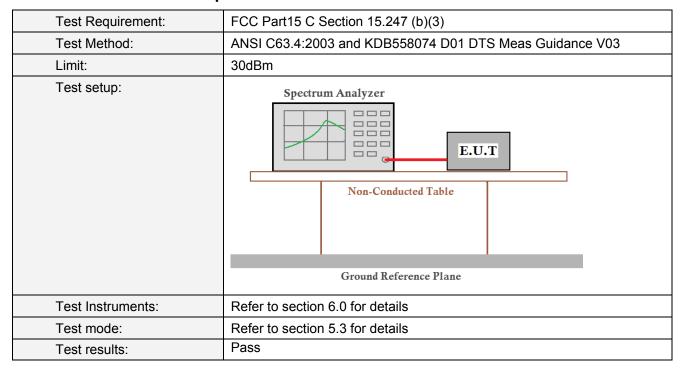
- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss
- 4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.



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### 7.3 Conducted Peak Output Power



#### **Measurement Data**

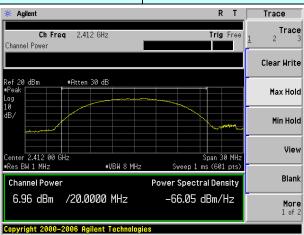
Test CH		Peak Outp	Limit(dBm)	Result		
1031 011	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(aDin)	rtesuit
Lowest	6.96	6.87	6.91	7.02		Pass
Middle	6.84	6.83	6.77	6.98	30.00	
Highest	6.73	6.94	6.96	6.87		

### Test plot as follows:

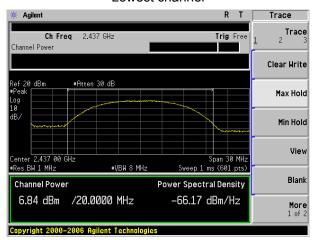


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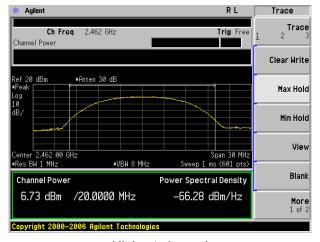
Test mode: 802.11b



#### Lowest channel



### Middle channel

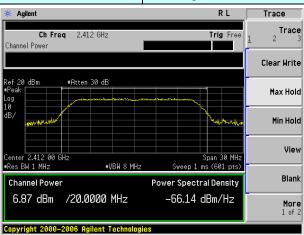


### Highest channel

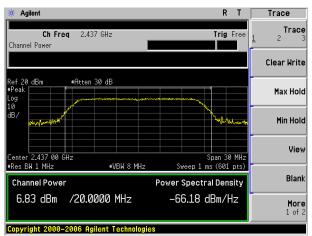


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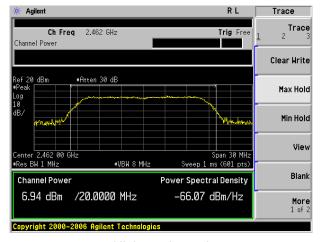
Test mode: 802.11g



#### Lowest channel



### Middle channel

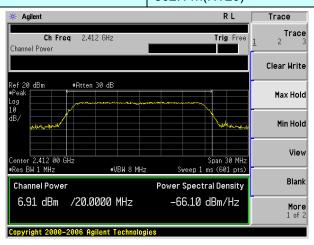


### Highest channel

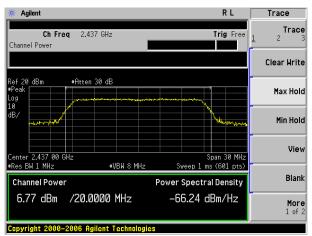


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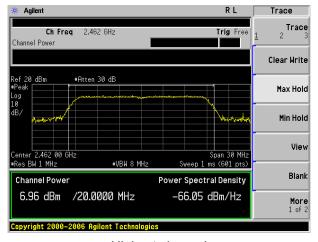
Test mode: 802.11n(HT20)



#### Lowest channel



### Middle channel

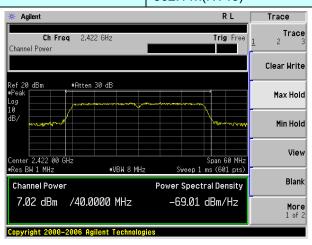


### Highest channel

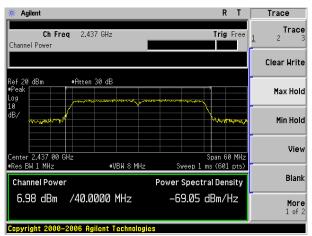


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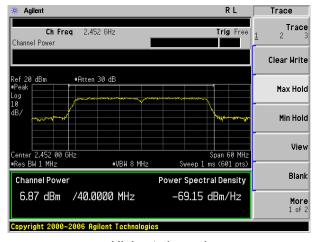
Test mode: 802.11n(HT40)



#### Lowest channel



### Middle channel



### Highest channel



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### 7.4 Channel Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)			
Test Method:	ANSI C63.4:2003 and KDB558074 D01 DTS Meas Guidance V03			
Limit:	>500KHz			
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane			
Test Instruments:	Refer to section 6.0 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Pass			

#### **Measurement Data**

Test CH		Channel Ban	Limit(KHz)	Result		
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Lillit(KH2)	Nesuit
Lowest	9.39	16.55	17.79	36.46		Pass
Middle	10.53	16.55	17.77	36.56	>500	
Highest	9.67	16.56	17.77	36.37		

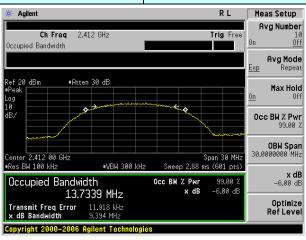
### Test plot as follows:

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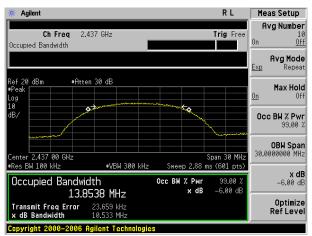


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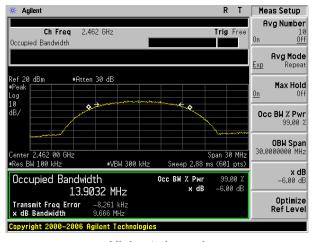
Test mode: 802.11b



#### Lowest channel



### Middle channel

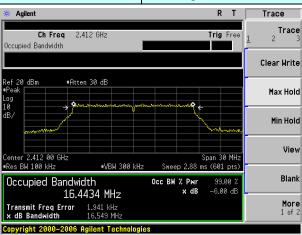


### Highest channel

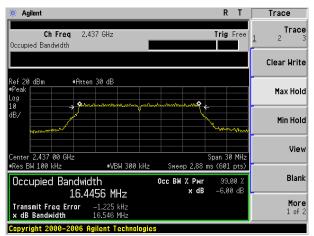


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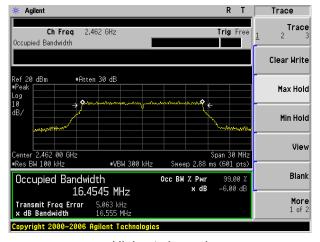
Test mode: 802.11g



#### Lowest channel



### Middle channel

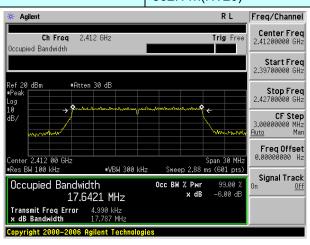


### Highest channel

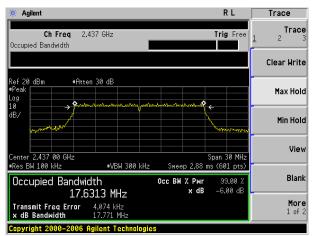


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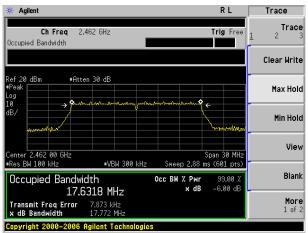
Test mode: 802.11n(HT20)



#### Lowest channel



### Middle channel

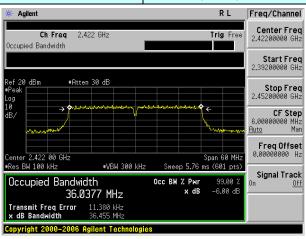


### Highest channel

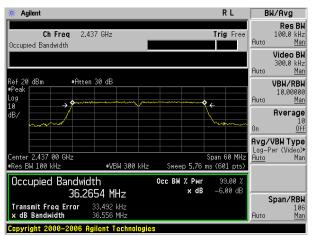


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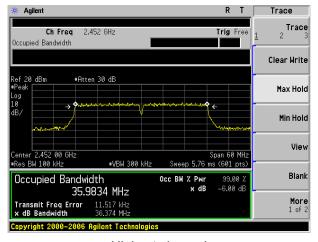
Test mode: 802.11n(HT40)



#### Lowest channel



### Middle channel



### Highest channel



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### 7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)			
Test Method:	ANSI C63.4:2003 and KDB558074 D01 DTS Meas Guidance V03			
Limit:	8dBm			
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table			
	Ground Reference Plane			
Test Instruments:	Refer to section 6.0 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Pass			

#### **Measurement Data**

Test CH		Power Spectra	Limit(dBm/3kHz)	Result		
1631 011	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Ell'lit(GBH/JSKH2)	rvesuit
Lowest	-3.92	-5.53	-5.46	-7.71		Pass
Middle	-4.04	-5.28	-5.35	-7.83	8.00	
Highest	-5.09	-6.01	-6.05	-8.06		

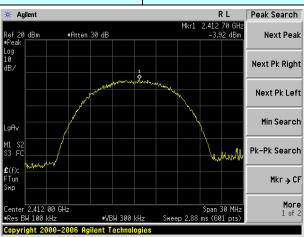
### Test plot as follows:

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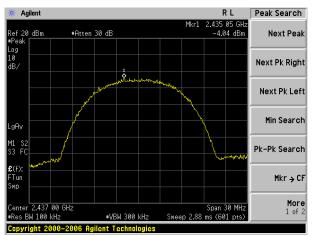


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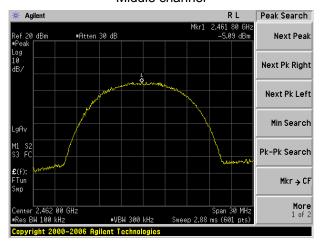
Test mode: 802.11b



#### Lowest channel



### Middle channel

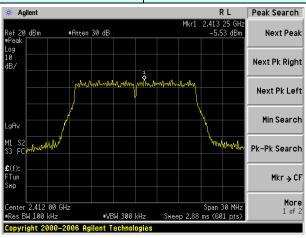


### Highest channel

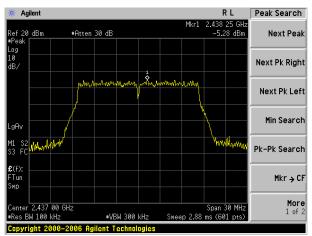


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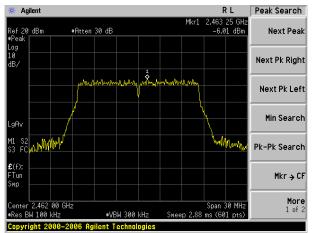
Test mode: 802.11g



#### Lowest channel



### Middle channel

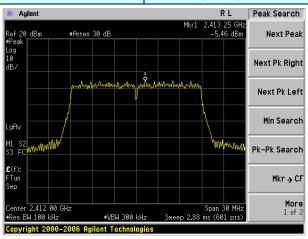


### Highest channel

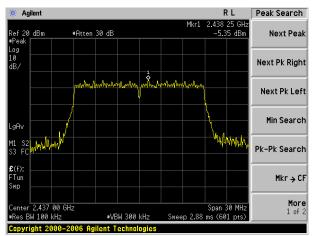


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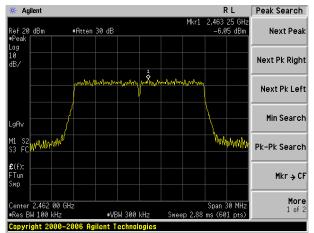
Test mode: 802.11n(HT20)



#### Lowest channel



### Middle channel

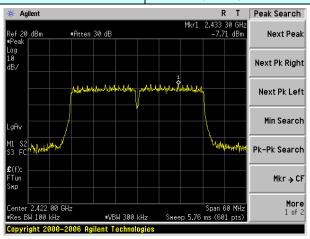


### Highest channel

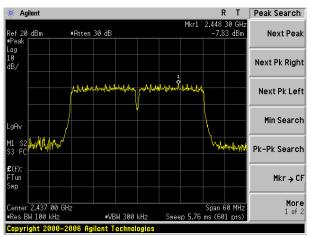


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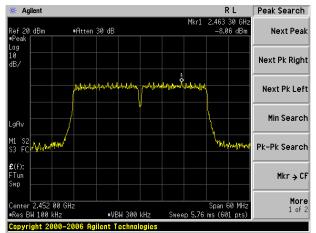
Test mode: 802.11n(HT40)



#### Lowest channel



### Middle channel



### Highest channel



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### 7.6 Band edges

### 7.6.1 Conducted Emission Method

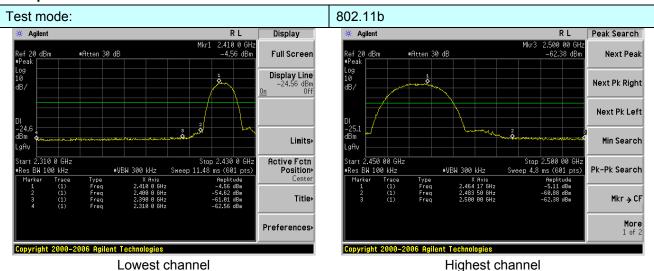
Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	ANSI C63.4:2003 and KDB558074 D01 DTS Meas Guidance V03				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.				
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane				
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Pass				

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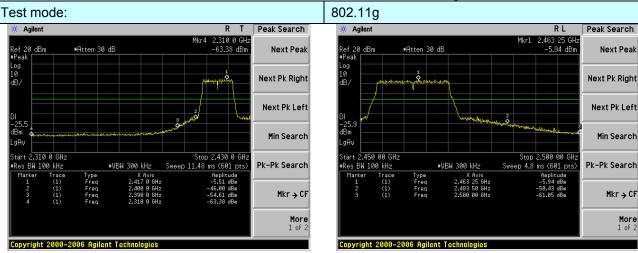


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#### Test plot as follows:



Lowest channel



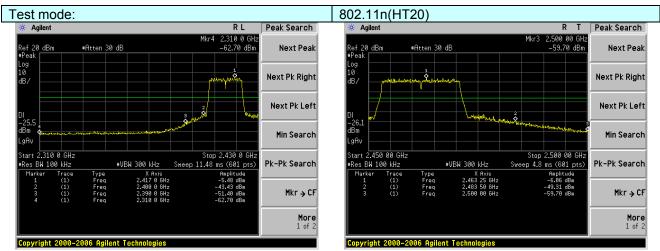
Lowest channel

Highest channel

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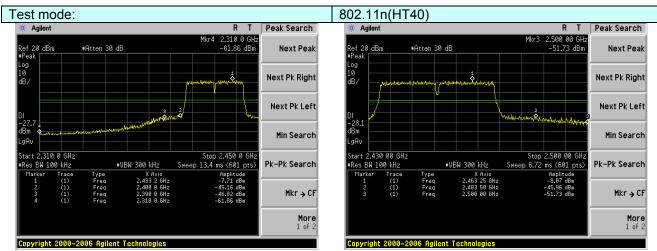


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Lowest channel

Highest channel



Lowest channel

Highest channel

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### 7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205							
Test Method:	ANSI C63.4: 20	ANSI C63.4: 2003						
Test Frequency Range:		All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.						
Test site:	Measurement D							
Receiver setup:	Frequency	Detector	RBW	VBW	Value			
		Peak	1MHz	3MHz	Peak			
	Above 1GHz	Peak	1MHz	10Hz	Average			
Limit:	Freque	1	Limit (dBuV/		Value			
			54.0		Average			
	Above 1	GHz	74.0		Peak			
Test setup:	EUT Turn Table	4m Spectrum Analyzer						
Test Procedure:	the ground a determine the 2. The EUT was antenna, whi tower.  3. The antenna ground to de horizontal an measurement.  4. For each sus and then the and the rotathe maximum.  5. The test-recesspecified Ba.  6. If the emission the limit specified ba.  6. If the emission the limit specified ba.  7. The radiation.	<ol> <li>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.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <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> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>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, quasipeak or average method as specified and then reported in a data</li> </ol>						



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Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass



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#### Measurement data:

Remark: The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

Test mode:		802.1	1b	-	Test channel:		Lowest	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	1 41/41	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	45.67	27.59	5.38	30.18	48.46	74.00	-25.54	Horizontal
2400.00	62.29	27.58	5.39	30.18	65.08	74.00	-8.92	Horizontal
2390.00	46.86	27.59	5.38	30.18	49.65	74.00	-24.35	Vertical
2400.00	63.99	27.58	5.39	30.18	66.78	74.00	-7.22	Vertical
Average va	lue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	33.24	27.59	5.38	30.18	36.03	54.00	-17.97	Horizontal
2400.00	44.78	27.58	5.39	30.18	47.57	54.00	-6.43	Horizontal
2390.00	34.54	27.59	5.38	30.18	37.33	54.00	-16.67	Vertical
2400.00	46.17	27.58	5.39	30.18	48.96	54.00	-5.04	Vertical
Test mode:		802.11b		Test channel:		Highest		
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Limit Line (dBuV/m)	I I imit	Polarization
2483.50	45.12	27.53	5.47	29.93	48.19	74.00	-25.81	Horizontal
2500.00	41.40	27.55	5.49	29.93	44.51	74.00	-29.49	Horizontal
2483.50	46.51	27.53	5.47	29.93	49.58	74.00	-24.42	Vertical
2500.00	43.04	27.55	5.49	29.93	46.15	74.00	-27.85	Vertical
Average va	lue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Limit Line (dBuV/m)	I I imit	Polarization
2483.50	33.18	27.53	5.47	29.93	36.25	54.00	-17.75	Horizontal
2500.00	29.37	27.55	5.49	29.93	32.48	54.00	-21.52	Horizontal
2483.50	34.58	27.53	5.47	29.93	37.65	54.00	-16.35	Vertical

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.



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Test mode:		802.1	1g	Т	Test channel:		Lowest	
Peak value:	:					•		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	57.04	27.59	5.38	30.18	59.83	74.00	-14.17	Horizontal
2400.00	64.36	27.58	5.39	30.18	67.15	74.00	-6.85	Horizontal
2390.00	58.43	27.59	5.38	30.18	61.22	74.00	-12.78	Vertical
2400.00	66.00	27.58	5.39	30.18	68.79	74.00	-5.21	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	1 1 6061	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	38.01	27.59	5.38	30.18	40.80	54.00	-13.20	Horizontal
2400.00	44.03	27.58	5.39	30.18	46.82	54.00	-7.18	Horizontal
2390.00	39.41	27.59	5.38	30.18	42.20	54.00	-11.80	Vertical
2400.00	45.46	27.58	5.39	30.18	48.25	54.00	-5.75	Vertical
Test mode:		802.1	1g	Т	Test channel:		Highest	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	1 6061	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	62.24	27.53	5.47	29.93	65.31	74.00	-8.69	Horizontal
2500.00	43.46	27.55	5.49	29.93	46.57	74.00	-27.43	Horizontal
2483.50	63.63	27.53	5.47	29.93	66.70	74.00	-7.30	Vertical
2500.00	45.10	27.55	5.49	29.93	48.21	74.00	-25.79	Vertical
Average va	lue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	1 404	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	36.58	27.53	5.47	29.93	39.65	54.00	-14.35	Horizontal
2500.00	29.90	27.55	5.49	29.93	33.01	54.00	-20.99	Horizontal
2483.50	37.98	27.53	5.47	29.93	41.05	54.00	-12.95	Vertical
2500.00	31.33	27.55	5.49	29.93	34.44	54.00	-19.56	Vertical
Remark:								

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.



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Test mode:		802.1	1n(HT20)	-	Test channel:		Lowest	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Limit Line (dBuV/m)	I I Imit	Polarization
2390.00	58.39	27.59	5.38	30.18	61.18	74.00	-12.82	Horizontal
2400.00	64.63	27.58	5.39	30.18	67.42	74.00	-6.58	Horizontal
2390.00	59.78	27.59	5.38	30.18	62.57	74.00	-11.43	Vertical
2400.00	66.27	27.58	5.39	30.18	69.06	74.00	-4.94	Vertical
Average va	lue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Factor (dB)	1 6/61	Limit Line (dBuV/m)	I I imit	Polarization
2390.00	37.24	27.59	5.38	30.18	40.03	54.00	-13.97	Horizontal
2400.00	42.43	27.58	5.39	30.18	45.22	54.00	-8.78	Horizontal
2390.00	38.64	27.59	5.38	30.18	41.43	54.00	-12.57	Vertical
2400.00	43.86	27.58	5.39	30.18	46.65	54.00	-7.35	Vertical
Test mode: 802		000.4	2.11n(HT20) Te			st channel: Highest		
. oot mode.		802.1	1n(HT20)		l est channel:		Highest	
Peak value:	<u> </u>	802.1	1n(H120)		l est channel:		Highest	
	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preample Factor (dB)	o Level	Limit Line (dBuV/m)	Over	Polarization
Peak value: Frequency	Read Level	Antenna Factor	Cable Loss	Pream <sub> </sub> Factor	D Level	Limit Line	Over Limit	Polarization Horizontal
Peak value: Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	
Peak value: Frequency (MHz) 2483.50	Read Level (dBuV) 58.35	Antenna Factor (dB/m) 27.53	Cable Loss (dB) 5.47	Pream Factor (dB) 29.93	Level (dBuV/m) 61.42	Limit Line (dBuV/m) 74.00	Over Limit (dB) -12.58	Horizontal
Frequency (MHz) 2483.50 2500.00	Read Level (dBuV) 58.35 45.23	Antenna Factor (dB/m) 27.53 27.55	Cable Loss (dB) 5.47 5.49	Pream Factor (dB) 29.93	Level (dBuV/m) 61.42 48.34	Limit Line (dBuV/m) 74.00 74.00	Over Limit (dB) -12.58 -25.66	Horizontal Horizontal
Frequency (MHz)  2483.50  2500.00  2483.50	Read Level (dBuV) 58.35 45.23 59.74 46.87	Antenna Factor (dB/m) 27.53 27.55 27.53	Cable Loss (dB) 5.47 5.49 5.47	Pream  Factor (dB) 29.93 29.93	D Level (dBuV/m) 61.42 48.34 62.81	Limit Line (dBuV/m) 74.00 74.00	Over Limit (dB) -12.58 -25.66 -11.19	Horizontal Horizontal Vertical
Frequency (MHz)  2483.50  2500.00  2483.50  2500.00	Read Level (dBuV) 58.35 45.23 59.74 46.87	Antenna Factor (dB/m) 27.53 27.55 27.53	Cable Loss (dB) 5.47 5.49 5.47	Pream  Factor (dB) 29.93 29.93	D Level (dBuV/m) 61.42 48.34 62.81 49.98	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line	Over Limit (dB) -12.58 -25.66 -11.19 -24.02	Horizontal Horizontal Vertical
Frequency (MHz)  2483.50  2500.00  2483.50  2500.00  Average va	Read Level (dBuV) 58.35 45.23 59.74 46.87 Iue:	Antenna Factor (dB/m) 27.53 27.55 27.53 27.55	Cable Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss	Preample Factor (dB) 29.93 29.93 29.93 Preample Factor	C Level (dBuV/m) 61.42 48.34 62.81 49.98 C Level	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line	Over Limit (dB) -12.58 -25.66 -11.19 -24.02 Over Limit	Horizontal Horizontal Vertical Vertical
Frequency (MHz)  2483.50  2500.00  2483.50  2500.00  Average va  Frequency (MHz)	Read Level (dBuV) 58.35 45.23 59.74 46.87 Iue: Read Level (dBuV)	Antenna Factor (dB/m) 27.53 27.55 27.55 Antenna Factor (dB/m)	Cable Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss (dB)	Preample Factor (dB) 29.93 29.93 29.93 Preample Factor (dB)	D Level (dBuV/m) 61.42 48.34 62.81 49.98  D Level (dBuV/m)	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m)	Over Limit (dB) -12.58 -25.66 -11.19 -24.02 Over Limit (dB)	Horizontal Horizontal Vertical Vertical Polarization
Peak value: Frequency (MHz)  2483.50  2500.00  2483.50  2500.00  Average va  Frequency (MHz)  2483.50	Read Level (dBuV) 58.35 45.23 59.74 46.87 Iue: Read Level (dBuV) 36.03	Antenna Factor (dB/m) 27.53 27.55 27.55 27.55 Antenna Factor (dB/m) 27.53	Cable Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss (dB) 5.47	Pream Factor (dB) 29.93 29.93 29.93 Pream Factor (dB) 29.93	C Level (dBuV/m) 61.42 48.34 62.81 49.98 C Level (dBuV/m) 39.10	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	Over Limit (dB) -12.58 -25.66 -11.19 -24.02 Over Limit (dB) -14.90	Horizontal Horizontal Vertical Vertical Polarization Horizontal

#### Remark:

Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

The emission levels of other frequencies are very lower than the limit and not show in test report.



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Test mode:		80	02.1	1n(HT40)		Tes	st channel:		Lowest	
Peak value:	:									
Frequency (MHz)	Read Level (dBuV)	Antenr Facto (dB/m	or	Cable Loss (dB)	Prear Facto (dB	or	Level (dBuV/m)	Limit Line	i imit	Polarization
2390.00	61.77	27.59	9	5.38	30.1	8	64.56	74.00	-9.44	Horizontal
2400.00	64.33	27.58	3	5.39	30.1	8	67.12	74.00	-6.88	Horizontal
2390.00	63.16	27.59	9	5.38	30.1	8	65.95	74.00	-8.05	Vertical
2400.00	65.97	27.58	3	5.39	30.1	8	68.76	74.00	-5.24	Vertical
Average va	lue:									
Frequency (MHz)	Read Level (dBuV)	Antenr Facto (dB/m	or	Cable Loss (dB)	Prear Facto (dB	or	Level (dBuV/m)	Limit Line	ı ımıt	Polarization
2390.00	39.12	27.59		5.38	30.1		41.91	54.00	-12.09	Horizontal
2400.00	40.28	27.58		5.39	30.1		43.07	54.00	-10.93	Horizontal
2390.00	40.52	27.59		5.38	30.1		43.31	54.00	-10.69	Vertical
2400.00	41.71	27.58	3	5.39	30.1	8	44.50	54.00	-9.50	Vertical
								<u> </u>		
Test mode:		80	02.1	1n(HT40)		Tes	st channel:		Highest	
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenr Facto (dB/m	or	Cable Loss (dB)	Prear Facto (dB	or or	Level (dBuV/m)	Limit Line	i imit	Polarization
2483.50	63.32	27.53	3	5.47	29.9	3	66.39	74.00	-7.61	Horizontal
2500.00	52.02	27.55	5	5.49	29.9	3	55.13	74.00	-18.87	Horizontal
2483.50	64.71	27.53	3	5.47	29.9	3	67.78	74.00	-6.22	Vertical
2500.00	53.66	27.55	5	5.49	29.9	3	56.77	74.00	-17.23	Vertical
Average va	lue:									
Frequency (MHz)	Read Level (dBuV)	Antenr Facto (dB/m	or	Cable Loss (dB)	Prear Facto (dB	or	Level (dBuV/m)	Limit Line	i imit	Polarization
2483.50	37.57	27.53	3	5.47	29.9	3	40.64	54.00	-13.36	Horizontal
2500.00	32.35	27.55	5	5.49	29.9	3	35.46	54.00	-18.54	Horizontal
2483.50	38.97	27.53	3	5.47	29.9	3	42.04	54.00	-11.96	Vertical
2500.00	33.78	27.55	5	5.49	29.9	3	36.89	54.00	-17.11	Vertical

#### Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.



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### 7.7 Spurious Emission

#### 7.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)							
Test Method:	ANSI C63.4:2003 and KDB558074 D01 DTS Meas Guidance V03							
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.							
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane							
Test Instruments:	Refer to section 6.0 for details							
Test mode:	Refer to section 5.3 for details							
Test results:	Pass							

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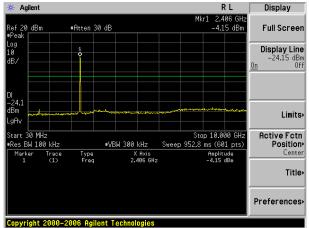


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#### Test plot as follows:

#### Test mode: 802.11b

#### Lowest channel



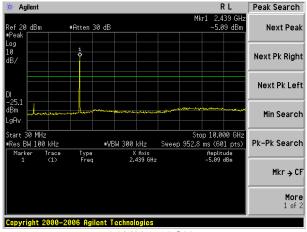
30MHz~10GHz

### Peak Search #Atten 30 dB Next Peak ef 20 dBm Next Pk Right Next Pk Left Min Search Start 10.00 GHz •Res BW 100 kHz Stop 25.00 GHz Sweep 1.434 s (601 pts) Pk-Pk Search #VBW 300 kHz X Axis 24.85 GHz Mkr → CF Copyright 2000-2006 Agilent Technologies

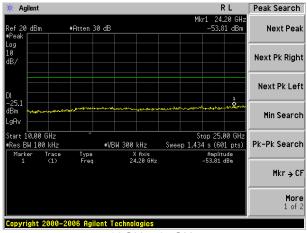
10GHz~25GHz

#### Middle channel

Highest channel





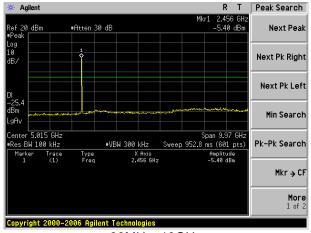


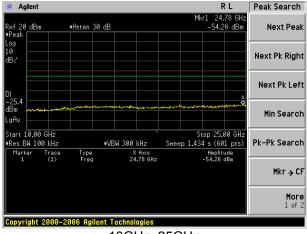
10GHz~25GHz

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30MHz~10GHz

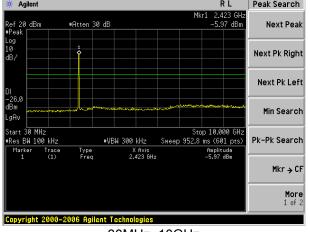
10GHz~25GHz



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Test mode: 802.11g

### Lowest channel

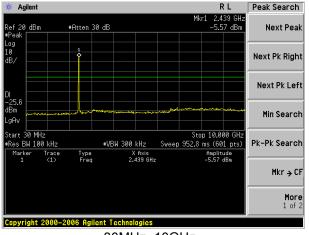


30MHz~10GHz

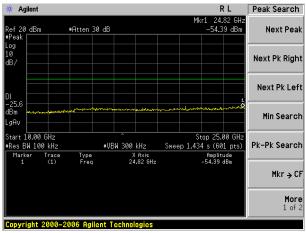
### 

10GHz~25GHz

### Middle channel



30MHz~10GHz



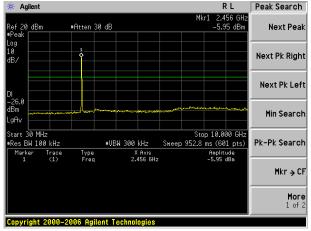
10GHz~25GHz

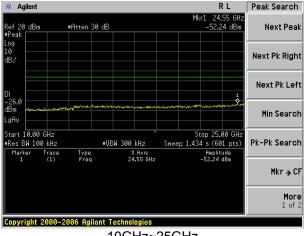
Highest channel

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30MHz~10GHz

10GHz~25GHz

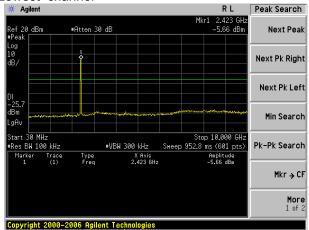


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#### Test mode:

#### 802.11n(HT20)

#### Lowest channel

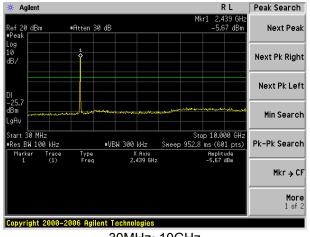


30MHz~10GHz

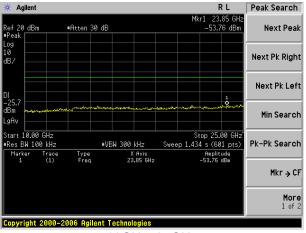
### 

10GHz~25GHz

#### Middle channel



30MHz~10GHz

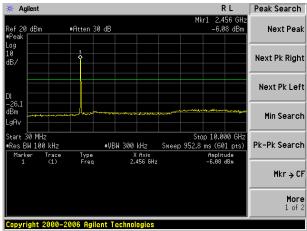


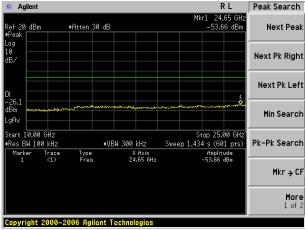
10GHz~25GHz

Highest channel



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30MHz~10GHz

10GHz~25GHz

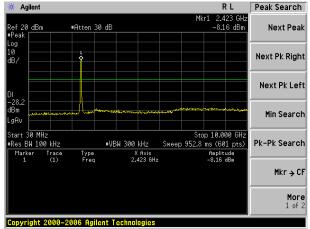


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#### Test mode:

### 802.11n(HT40)

#### Lowest channel

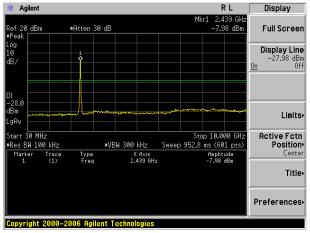


30MHz~10GHz

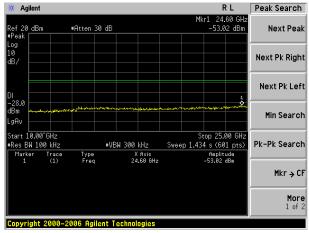
### 

10GHz~25GHz

#### Middle channel



30MHz~10GHz

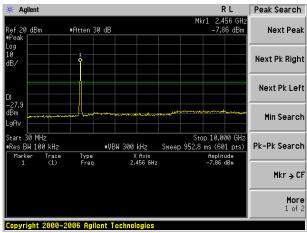


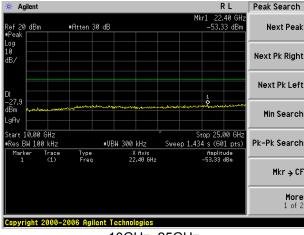
10GHz~25GHz

Highest channel



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30MHz~10GHz

10GHz~25GHz



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#### 7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209										
Test Method:	ANSI C63.4: 2003										
Test Frequency Range:	30MHz to 25GHz										
Test site:	Measurement Di	Measurement Distance: 3m									
Receiver setup:	Frequency Detector RBW VBW Value										
	30MHz-1GHz	Quasi-peal	k 120KHz	300KHz	Quasi-peak						
	Above 1GHz	Peak	1MHz	3MHz	Peak						
	Above IGHZ	Peak	1MHz	10Hz	Average						
Limit:	Frequer	ісу	Limit (dBuV/	m @3m)	Value						
	30MHz-88	MHz	40.0	0	Quasi-peak						
	88MHz-216	6MHz	43.5	0	Quasi-peak						
	216MHz-96	0MHz	46.0	0	Quasi-peak						
	960MHz-1	GHz	54.0	0	Quasi-peak						
	Above 10	2H-7	54.0	0	Average						
	Above is	J1 12	74.0	0	Peak						
Test setup:	Below 1GHz  Antenna Tower  Search Antenna  RF Test Receiver  Tum Table  Ground Plane										

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	Antenna Tower  Horn Antenna  Spectrum  Analyzer  Amplifier
Test Procedure:	1. 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.
	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 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, quasipeak or average method as specified and then reported in a data sheet.
	7. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

#### Remark

Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis which it is worse case.



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#### **Measurement Data**

#### ■ Below 1GHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
202.81	50.90	12.64	1.86	32.14	33.26	43.50	-10.24	Vertical
382.59	50.80	16.68	2.77	31.94	38.31	46.00	-7.69	Vertical
404.67	48.48	17.18	2.88	31.87	36.67	46.00	-9.33	Vertical
601.43	49.60	20.46	3.73	31.04	42.75	46.00	-3.25	Vertical
721.73	47.20	21.10	4.17	31.22	41.25	46.00	-4.75	Vertical
958.79	41.74	23.49	5.08	31.22	39.09	46.00	-6.91	Vertical
236.65	49.15	13.93	2.05	32.16	32.97	46.00	-13.03	Horizontal
270.38	51.11	14.38	2.22	32.17	35.54	46.00	-10.46	Horizontal
336.04	52.45	15.99	2.55	32.07	38.92	46.00	-7.08	Horizontal
390.72	54.15	16.87	2.81	31.91	41.92	46.00	-4.08	Horizontal
601.43	49.23	20.46	3.73	31.04	42.38	46.00	-3.62	Horizontal
724.26	47.30	21.10	4.18	31.22	41.36	46.00	-4.64	Horizontal



802.11b

### Shenzhen EBO Technology Co., Ltd.

Test channel:

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Lowest

#### ■ Above 1GHz

Test mode:

Peak value:				•				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	35.10	31.79	8.62	32.10	43.41	74.00	-30.59	Vertical
7236.00	29.37	36.19	11.68	31.97	45.27	74.00	-28.73	Vertical
9648.00	29.86	38.07	14.16	31.56	50.53	74.00	-23.47	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	34.43	31.79	8.62	32.10	42.74	74.00	-31.26	Horizontal
7236.00	29.14	36.19	11.68	31.97	45.04	74.00	-28.96	Horizontal
9648.00	29.19	38.07	14.16	31.56	49.86	74.00	-24.14	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val	ue:	•	•		•			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	24.10	31.79	8.62	32.10	32.41	54.00	-21.59	Vertical
7236.00	18.45	36.19	11.68	31.97	34.35	54.00	-19.65	Vertical
9648.00	18.82	38.07	14.16	31.56	39.49	54.00	-14.51	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	23.45	31.79	8.62	32.10	31.76	54.00	-22.24	Horizontal

#### Remark:

7236.00

9648.00

12060.00

14472.00

16884.00

17.99

17.75

\*

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

11.68

14.16

2. "\*", means this data is the too weak instrument of signal is unable to test.

36.19

38.07

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31.97

31.56

33.89

38.42

54.00

54.00

54.00

54.00

54.00

-20.11

-15.58

Horizontal

Horizontal

Horizontal

Horizontal

Horizontal



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Test mode:		802.11b		T	est char	nel:	1	Middle	
Peak value:									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	r de	_evel BuV/m)	Limit Li (dBuV/	I I imii	polarization
4874.00	35.45	31.85	8.66	32.12	2 4	3.84	74.00	-30.10	6 Vertical
7311.00	30.49	36.37	11.71	31.91	1 4	6.66	74.00	-27.3	4 Vertical
9748.00	29.96	38.27	14.25	31.56	5 5	50.92	74.00	-23.0	8 Vertical
12185.00	*						74.00	)	Vertical
14622.00	*						74.00	)	Vertical
17059.00	*						74.00	)	Vertical
4874.00	36.04	31.85	8.66	32.12	2 4	4.43	74.00	-29.5	7 Horizontal
7311.00	29.15	36.37	11.71	31.91	1 4	5.32	74.00	-28.6	8 Horizontal
9748.00	29.65	38.27	14.25	31.56	6 5	0.61	74.00	-23.3	9 Horizontal
12185.00	*						74.00	)	Horizontal
14622.00	*						74.00	)	Horizontal
17059.00	*						74.00	)	Horizontal
Average val	ue:			•	•			•	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	r CdE	_evel BuV/m)	Limit Li (dBuV/	ı ımı	polarization
4874.00	25.53	31.85	8.66	32.12	2 3	3.92	54.00	-20.0	8 Vertical
7311.00	18.37	36.37	11.71	31.91	1 3	34.54	54.00	-19.4	6 Vertical
9748.00	19.03	38.27	14.25	31.56	3	89.99	54.00	-14.0	1 Vertical
12185.00	*						54.00	)	Vertical
14622.00	*						54.00	)	Vertical
17059.00	*						54.00	)	Vertical
4874.00	25.41	31.85	8.66	32.12	2 3	3.80	54.00	-20.20	O Horizontal
7311.00	17.81	36.37	11.71	31.91	3	33.98	54.00	-20.0	2 Horizontal
9748.00	19.31	38.27	14.25	31.56	3 4	0.27	54.00	-13.73	3 Horizontal
12185.00	*						54.00	0	Horizontal
14622.00	*						54.00	0	Horizontal
17059.00	*						54.00	)	Horizontal

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11b		Test	channel:	High	est	
Peak value:						<u> </u>		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	38.71	31.90	8.70	32.15	47.16	74.00	-26.84	Vertical
7386.00	29.73	36.49	11.76	31.83	46.15	74.00	-27.85	Vertical
9848.00	32.23	38.62	14.31	31.77	53.39	74.00	-20.61	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	38.48	31.90	8.70	32.15	46.93	74.00	-27.07	Horizontal
7386.00	28.83	36.49	11.76	31.83	45.25	74.00	-28.75	Horizontal
9848.00	28.28	38.62	14.31	31.77	49.44	74.00	-24.56	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	29.03	31.90	8.70	32.15	37.48	54.00	-16.52	Vertical
7386.00	19.26	36.49	11.76	31.83	35.68	54.00	-18.32	Vertical
9848.00	20.59	38.62	14.31	31.77	41.75	54.00	-12.25	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	28.22	31.90	8.70	32.15	36.67	54.00	-17.33	Horizontal
7386.00	17.83	36.49	11.76	31.83	34.25	54.00	-19.75	Horizontal
9848.00	17.52	38.62	14.31	31.77	38.68	54.00	-15.32	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11g			Test	channel:		lowes	st	
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4824.00	35.71	31.79	8.62	32	.10	44.02	74.0	00	-29.98	Vertical
7236.00	29.95	36.19	11.68	31	.97	45.85	74.0	00	-28.15	Vertical
9648.00	30.54	38.07	14.16	31	.56	51.21	74.0	00	-22.79	Vertical
12060.00	*						74.0	00		Vertical
14472.00	*						74.0	00		Vertical
16884.00	*						74.0	00		Vertical
4824.00	34.98	31.79	8.62	32	.10	43.29	74.0	00	-30.71	Horizontal
7236.00	29.78	36.19	11.68	31	.97	45.68	74.0	00	-28.32	Horizontal
9648.00	29.78	38.07	14.16	31	.56	50.45	74.0	00	-23.55	Horizontal
12060.00	*						74.	00		Horizontal
14472.00	*						74.	00		Horizontal
16884.00	*						74.	00		Horizontal
Average val										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4824.00	24.64	31.79	8.62	32	.10	32.95	54.0	00	-21.05	Vertical
7236.00	18.94	36.19	11.68	31	.97	34.84	54.0	00	-19.16	Vertical
9648.00	19.43	38.07	14.16	31	.56	40.10	54.0	00	-13.90	Vertical
12060.00	*						54.0	00		Vertical
14472.00	*						54.0	00		Vertical
16884.00	*						54.0	00		Vertica
4824.00	24.07	31.79	8.62	32	.10	32.38	54.0	00	-21.62	Horizontal
7236.00	18.54	36.19	11.68	31	.97	34.44	54.0	00	-19.56	Horizontal
9648.00	18.38	38.07	14.16	31	.56	39.05	54.0	00	-14.95	Horizontal
12060.00	*						54.	00		Horizontal
14472.00	*						54.	00		Horizontal
16884.00	*						54.	00		Horizontal

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11g		Test	channel:	Midd	le	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	35.99	31.85	8.66	32.12	44.38	74.00	-29.62	Vertical
7311.00	30.98	36.37	11.71	31.91	47.15	74.00	-26.85	Vertical
9748.00	30.57	38.27	14.25	31.56	51.53	74.00	-22.47	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	36.66	31.85	8.66	32.12	45.05	74.00	-28.95	Horizontal
7311.00	29.70	36.37	11.71	31.91	45.87	74.00	-28.13	Horizontal
9748.00	30.28	38.27	14.25	31.56	51.24	74.00	-22.76	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	26.14	31.85	8.66	32.12	34.53	54.00	-19.47	Vertical
7311.00	18.95	36.37	11.71	31.91	35.12	54.00	-18.88	Vertical
9748.00	19.71	38.27	14.25	31.56	40.67	54.00	-13.33	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	25.96	31.85	8.66	32.12	34.35	54.00	-19.65	Horizontal
7311.00	18.45	36.37	11.71	31.91	34.62	54.00	-19.38	Horizontal
9748.00	19.90	38.27	14.25	31.56	40.86	54.00	-13.14	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11g		T	est channe	l:		Highest	
Peak value:									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)			Limit L (dBuV	l limit	polarization
4924.00	39.13	31.90	8.70	32.15	47.5	58	74.0	0 -26.42	Vertical
7386.00	30.32	36.49	11.76	31.83	46.7	74	74.0	0 -27.26	Vertical
9848.00	32.71	38.62	14.31	31.77	53.8	37	74.0	0 -20.13	Vertical
12310.00	*						74.0	0	Vertical
14772.00	*						74.0	0	Vertical
17234.00	*						74.0	0	Vertical
4924.00	38.94	31.90	8.70	32.15	47.3	39	74.0	0 -26.61	Horizontal
7386.00	29.44	36.49	11.76	31.83	45.8	36	74.0	0 -28.14	Horizontal
9848.00	28.81	38.62	14.31	31.77	49.9	97	74.0	0 -24.03	Horizontal
12310.00	*						74.0	0	Horizontal
14772.00	*						74.0	0	Horizontal
17234.00	*						74.0	0	Horizontal
Average val	ue:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)			Limit L (dBuV	ı ımıt	polarization
4924.00	29.54	31.90	8.70	32.15	37.9	99	54.0	0 -16.01	Vertical
7386.00	19.83	36.49	11.76	31.83	36.2	25	54.0	0 -17.75	Vertical
9848.00	21.08	38.62	14.31	31.77	42.2	24	54.0	0 -11.76	Vertical
12310.00	*						54.0	0	Vertical
14772.00	*						54.0	0	Vertical
17234.00	*						54.0	0	Vertical
4924.00	28.70	31.90	8.70	32.15	37.1	15	54.0	0 -16.85	Horizontal
7386.00	18.39	36.49	11.76	31.83	34.8	31	54.0	0 -19.19	Horizontal
9848.00	17.99	38.62	14.31	31.77	39.1	15	54.0	0 -14.85	Horizontal
12310.00	*						54.0	0	Horizontal
14772.00	*						54.0	0	Horizontal
17234.00	*						54.0	0	Horizontal

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11n(H	IT20)	Test	channel:	Lowe	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	35.61	31.79	8.62	32.10	43.92	74.00	-30.08	Vertical
7236.00	29.94	36.19	11.68	31.97	45.84	74.00	-28.16	Vertical
9648.00	30.35	38.07	14.16	31.56	51.02	74.00	-22.98	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	34.91	31.79	8.62	32.10	43.22	74.00	-30.78	Horizontal
7236.00	29.70	36.19	11.68	31.97	45.60	74.00	-28.40	Horizontal
9648.00	29.66	38.07	14.16	31.56	50.33	74.00	-23.67	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	24.52	31.79	8.62	32.10	32.83	54.00	-21.17	Vertical
7236.00	19.04	36.19	11.68	31.97	34.94	54.00	-19.06	Vertical
9648.00	19.30	38.07	14.16	31.56	39.97	54.00	-14.03	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	23.91	31.79	8.62	32.10	32.22	54.00	-21.78	Horizontal
7236.00	18.60	36.19	11.68	31.97	34.50	54.00	-19.50	Horizontal
9648.00	18.28	38.07	14.16	31.56	38.95	54.00	-15.05	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

#### Remark:

- Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11n(H	IT20)	Test channel:		Midd		
Peak value:						<u> </u>		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	36.00	31.85	8.66	32.12	44.39	74.00	-29.61	Vertical
7311.00	30.92	36.37	11.71	31.91	47.09	74.00	-26.91	Vertical
9748.00	30.54	38.27	14.25	31.56	51.50	74.00	-22.50	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	36.50	31.85	8.66	32.12	44.89	74.00	-29.11	Horizontal
7311.00	29.64	36.37	11.71	31.91	45.81	74.00	-28.19	Horizontal
9748.00	30.18	38.27	14.25	31.56	51.14	74.00	-22.86	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	26.04	31.85	8.66	32.12	34.43	54.00	-19.57	Vertical
7311.00	18.84	36.37	11.71	31.91	35.01	54.00	-18.99	Vertical
9748.00	19.57	38.27	14.25	31.56	40.53	54.00	-13.47	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	25.89	31.85	8.66	32.12	34.28	54.00	-19.72	Horizontal
7311.00	18.41	36.37	11.71	31.91	34.58	54.00	-19.42	Horizontal
9748.00	19.86	38.27	14.25	31.56	40.82	54.00	-13.18	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

#### Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11n(H	IT20)		Test	channel:	Highest			
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB) Level (dBuV/m		Limit Line (dBuV/m)		Over Limit (dB)	polarization
4924.00	39.22	31.90	8.70	32	.15	47.67	74.00		-26.33	4924.00
7386.00	30.20	36.49	11.76	31	.83	46.62	74.0	00	-27.38	7386.00
9848.00	32.77	38.62	14.31	31	.77	53.93	74.0	00	-20.07	9848.00
12310.00	*						74.0	00		Vertical
14772.00	*						74.0	00		Vertical
17234.00	*						74.0	00		Vertical
4924.00	38.96	31.90	8.70	32	.15	47.41	74.0	00	-26.59	Horizontal
7386.00	29.43	36.49	11.76	31	.83	45.85	74.0	00	-28.15	Horizontal
9848.00	28.83	38.62	14.31	31	.77	49.99	74.00		-24.01	Horizontal
12310.00	*						74.	00		Horizontal
14772.00	*						74.	00		Horizontal
17234.00	*						74.	00		Horizontal
Average val			T	•		1				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4924.00	29.58	31.90	8.70	32	.15	38.03	54.0	00	-15.97	Vertical
7386.00	19.69	36.49	11.76	31	.83	36.11	54.0	00	-17.89	Vertical
9848.00	21.17	38.62	14.31	31	.77	42.33	54.0	00	-11.67	Vertical
12310.00	*						54.0	00		Vertical
14772.00	*						54.0	00		Vertical
17234.00	*						54.0	00		Vertical
4924.00	28.68	31.90	8.70	32.15		37.13	54.0	00	-16.87	Horizontal
7386.00	18.32	36.49	11.76	31	.83	34.74	54.0	00	-19.26	Horizontal
9848.00	18.05	38.62	14.31	31	.77	39.21	54.0	00	-14.79	Horizontal
12310.00	*						54.	00		Horizontal
14772.00	*						54.	00		Horizontal
17234.00	*						54.	00		Horizontal

#### Remark:

- 1 Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2 "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode: 802.11n(HT40)			Test channel: Lowest							
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4844.00	35.45	31.81	8.63	32	.11	43.78	74.00		-30.22	Vertical
7266.00	29.78	36.28	11.69	31.94		45.81	74.00		-28.19	Vertical
9688.00	30.32	38.13	14.21	31.52		51.14	74.00		-22.86	Vertical
12060.00	*						74.0	00		Vertical
14472.00	*						74.0	00		Vertical
16884.00	*						74.0	00		Vertical
4844.00	34.84	31.81	8.63	32	.11	43.17	74.0	00	-30.83	Horizontal
7266.00	29.51	36.28	11.69	31	.94	45.54	74.00		-28.46	Horizontal
9688.00	29.66	38.13	14.21	31	.52	50.48	74.0	00	-23.52	Horizontal
12060.00	*						74.	00		Horizontal
14472.00	*						74.	00		Horizontal
16884.00	*						74.	00		Horizontal

#### Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization	
4844.00	24.50	31.81	8.63	32.11	32.83	54.00	-21.17	Vertical	
7266.00	18.83	36.28	11.69	31.94	34.86	54.00	-19.14	Vertical	
9688.00	19.28	38.13	14.21	31.52	40.10	54.00	-13.90	Vertical	
12060.00	*					54.00		Vertical	
14472.00	*					54.00		Vertical	
16884.00	*					54.00		Vertical	
4844.00	23.87	31.81	8.63	32.11	32.20	54.00	-21.80	Horizontal	
7266.00	18.35	36.28	11.69	31.94	34.38	54.00	-19.62	Horizontal	
9688.00	18.20	38.13	14.21	31.52	39.02	54.00	-14.98	Horizontal	
12060.00	*					54.00		Horizontal	
14472.00	*					54.00		Horizontal	
16884.00	*					54.00		Horizontal	

### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11n(H	IT40)		Test	channel:	Middle			
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4874.00	35.85	31.85	8.66	32	.12	44.24	74.00		-29.76	Vertical
7311.00	30.87	36.37	11.71	31	.91	47.04	74.0	00	-26.96	Vertical
9748.00	30.42	38.27	14.25	31	.56	51.38	74.0	00	-22.62	Vertical
12185.00	*						74.0	00		Vertical
14622.00	*						74.0	00		Vertical
17059.00	*						74.0	00		Vertical
4874.00	36.46	31.85	8.66	32	.12	44.85	74.0	00	-29.15	Horizontal
7311.00	29.51	36.37	11.71	31	.91	45.68	74.0	00	-28.32	Horizontal
9748.00	30.10	38.27	14.25	31	.56	51.06	74.00		-22.94	Horizontal
12185.00	*						74.00			Horizontal
14622.00	*						74.00			Horizontal
17059.00	*						74.	00		Horizontal
Average val	ue:									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4874.00	25.88	31.85	8.66	32	.12	34.27	54.0	00	-19.73	Vertical
7311.00	18.78	36.37	11.71	31	.91	34.95	54.0	00	-19.05	Vertical
9748.00	19.49	38.27	14.25	31	.56	40.45	54.0	00	-13.55	Vertical
12185.00	*						54.0	00		Vertical
14622.00	*						54.0	00		Vertical
17059.00	*						54.0	00		Vertical
4874.00	25.82	31.85	8.66	32	.12	34.21	54.0	00	-19.79	Horizontal
7311.00	18.18	36.37	11.71	31	.91	34.35	54.0	00	-19.65	Horizontal
9748.00	19.78	38.27	14.25	31	.56	40.74	54.0	00	-13.26	Horizontal
12185.00	*						54.	00		Horizontal
14622.00	*						54.	00		Horizontal
17059.00	*						54.	00		Horizontal

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



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Test mode:		802.11n(H	IT40)		Test	channel:	Highest			
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4904.00	39.18	31.88	8.68	32	.13	47.61	74.00		-26.39	Vertical
7356.00	30.26	36.45	11.75	31	.86	46.60	74.0	00	-27.40	Vertical
9808.00	32.58	38.43	14.29	31	.68	53.62	74.0	00	-20.38	Vertical
12310.00	*						74.0	00		Vertical
14772.00	*						74.0	00		Vertical
17234.00	*						74.0	00		Vertical
4904.00	38.84	31.88	8.68	32	.13	47.27	74.0	00	-26.73	Horizontal
7356.00	29.24	36.45	11.75	31	.86	45.58	74.0	00	-28.42	Horizontal
9808.00	28.56	38.43	14.29	31	.68	49.60	74.00		-24.40	Horizontal
12310.00	*						74.	00		Horizontal
14772.00	*						74.	00		Horizontal
17234.00	*						74.	00		Horizontal
Average val			T	•		1				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4904.00	29.39	31.88	8.68	32	.13	37.82	54.00		-16.18	Vertical
7356.00	19.67	36.45	11.75	31	.86	36.01	54.0	00	-17.99	Vertical
9808.00	20.87	38.43	14.29	31	.68	41.91	54.0	00	-12.09	Vertical
12310.00	*						54.0	00		Vertical
14772.00	*						54.0	00		Vertical
17234.00	*						54.0	00		Vertical
4904.00	28.69	31.88	8.68	32	.13	37.12	54.0	00	-16.88	Horizontal
7356.00	18.36	36.45	11.75	31	.86	34.70	54.0	00	-19.30	Horizontal
9808.00	17.87	38.43	14.29	31	.68	38.91	54.0	00	-15.09	Horizontal
12310.00	*						54.	00		Horizontal
14772.00	*						54.	00		Horizontal
17234.00	*						54.	00		Horizontal

#### Remark:

- 1 Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2 "\*", means this data is the too weak instrument of signal is unable to test.

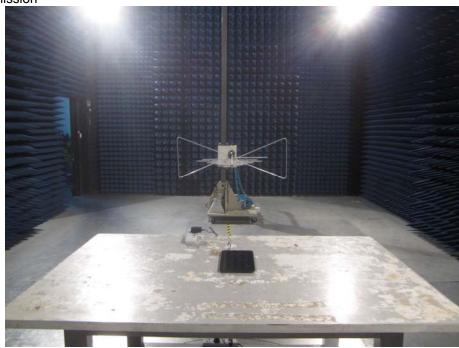


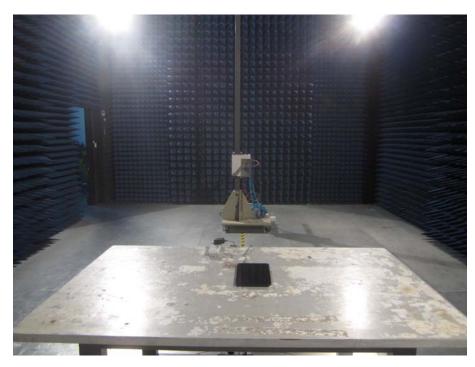
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# 8 Test Setup Photo

Radiated Emission







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Conducted Emission





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### 9 EUT Constructional Details

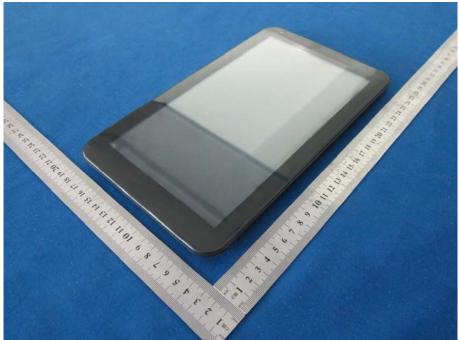






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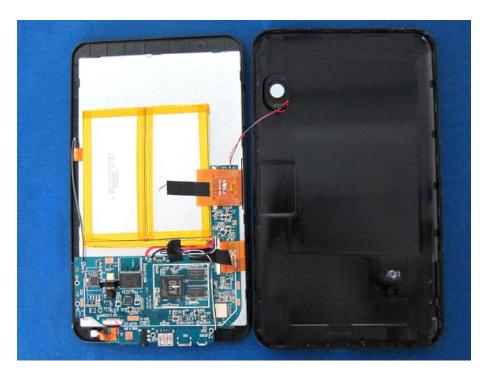
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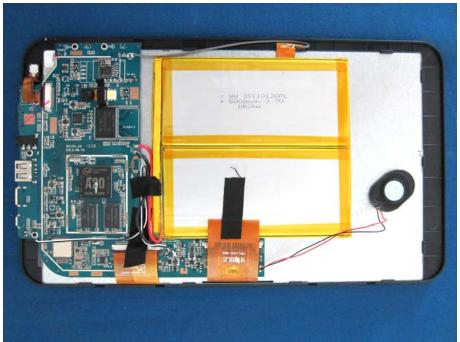






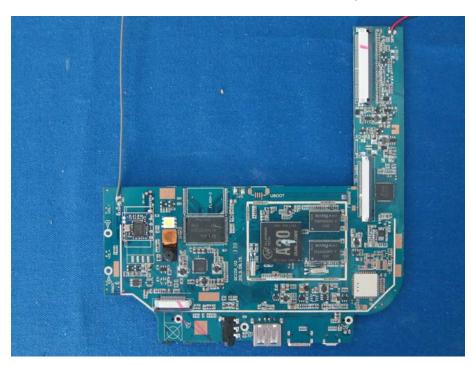
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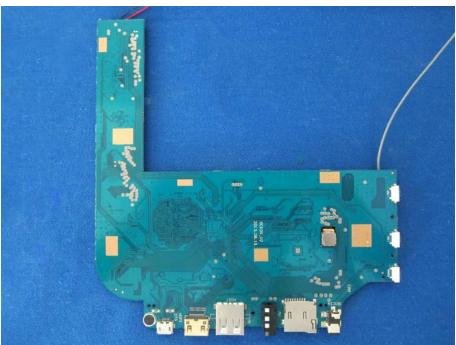






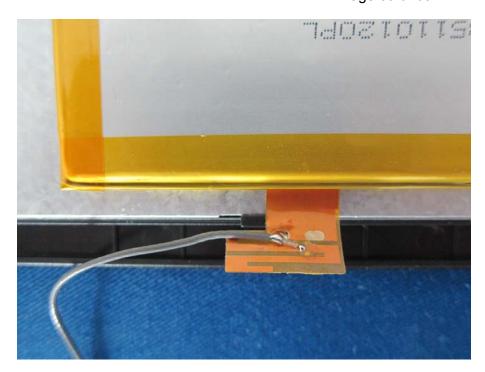
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