

Global United Technology Services Co., Ltd.

Report No.: GTSE14080139601

FCC Report (WIFI)

Applicant: Cubix Latin America, LLC

Address of Applicant: 2841 NW 107th Ave, Doral, Florida, United States 33172

Equipment Under Test (EUT)

Product Name: Tablet

Model No.: QD-700ii-BK, QD-700ii-WT

FCC ID: 2ACDE-QD-700II

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247:2013

Date of sample receipt: September 01, 2014

Date of Test: September 01-11, 2014

Date of report issued: September 11, 2014

Test Result: PASS *

Authorized Signature:

Robinson Lo Laboratory Manager

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

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



2 Version

Version No.	Date	Description
00	September 11, 2014	Original

Prepared By:

September 11, 2014

Project Engineer

Check By: Date: September 11, 2014

Reviewer

Shenzhen, China 518102



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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:	Cubix Latin America, LLC
Address of Applicant:	2841 NW 107th Ave, Doral, Florida, United States
Manufacturer/Factory:	VIDO DIGITAL ELECTRONICS CO., LTD.
Address of	B1 Building, Lianhe Industrial Area, Feng Tang Road, Fuyong,
Manufacturer/Factory:	Bao'an District, Shenzhen, China

5.2 General Description of EUT

Product Name:	Tablet
Model No.:	QD-700ii-BK, QD-700ii-WT
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:	Integrality antenna
Antenna gain:	2dBi (declare by Applicant)
Power supply:	Model No.: MX12X8-0502000UX
	Input: AC 100-240V, 50/60Hz, 0.35A
	Output: DC 5.0V, 2A
	DC 3.7V Li-ion Battery

Shenzhen, China 518102



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:

Toot channel	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

None.

Global United Technology Services Co., Ltd. 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China 518102

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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

Tel: 0755-27798480 Fax: 0755-27798960

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



6 Test Instruments list

Rad	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. 28 2014	Mar. 27 2015		
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. 5, 2013	Dec. 4 2014		
4	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	July 01 2014	June 30 2015		
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	July 01 2014	June 30 2015		
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 27 2014	June 26 2015		
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 28 2014	Mar. 27 2015		
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
9	Coaxial Cable	GTS	N/A	GTS213	Mar. 29 2014	Mar. 28 2015		
10	Coaxial Cable	GTS	N/A	GTS211	Mar. 29 2014	Mar. 28 2015		
11	Coaxial cable	GTS	N/A	GTS210	Mar. 29 2014	Mar. 28 2015		
12	Coaxial Cable	GTS	N/A	GTS212	Mar. 29 2014	Mar. 28 2015		
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	July 01 2014	June 30 2015		
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	July 01 2014	June 30 2015		
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 27 2014	June 26 2015		
16	Band filter	Amindeon	82346	GTS219	Mar. 29 2014	Mar. 28 2015		
17	Power Meter	Anritsu	ML2495A	GTS540	July 01 2014	June 30 2015		
18	Power Sensor	Anritsu	MA2411B	GTS541	July 01 2014	June 30 2015		

Cond	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	July 01 2014	June 30 2015		
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS224	July 01 2014	June 30 2015		
4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	July 01 2014	June 30 2015		
5	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	July 01 2014	June 30 2015		
6	Coaxial Cable	GTS	N/A	GTS227	July 01 2014	June 30 2015		
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		

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



7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

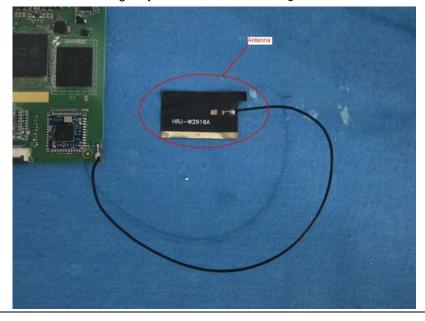
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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.

EUT Antenna:

The antenna is integrality antenna, the best case gain of the antenna is 2dBi



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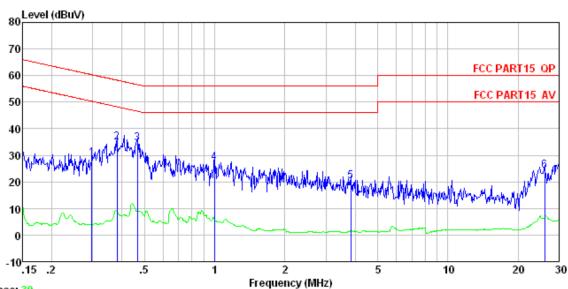
7.2 Conducted Emissions

Test Method: Test Frequency Range: Class / Severity: Class B Receiver setup: RBW=9KHz, VBW=30KHz, Sweep time=auto Limit: Frequency range (MHz) Quasi-peak Average 0.15-0.5 66 to 56° 56 to 46° 0.5-5 5-30 60 50 * Decreases with the logarithm of the frequency. Test setup: Reference Plane LISN AUX Equipment LUSN Line impedance Stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and 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 aclise must be changed according to ANSI C63.4: 2003 on conducted measurement. Test mode: Refer to section 5.3 for details Test mode: Refer to section 5.3 for details	Test Requirement:	FCC Part15 C Section 15.207	,					
Class / Severity: Class B Receiver setup: RBW=9KHz, VBW=30KHz, Sweep time=auto Limit: Frequency range (MHz) Ouasi-peak Ousi-peak Ousi-p	Test Method:							
Receiver setup: RBW=9KHz, VBW=30KHz, Sweep time=auto Limit: Frequency range (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 5-30 * Decreases with the logarithm of the frequency. Reference Plane LISN Aux Equipment LISN Filter Ac power Filter Ac power LISN Line impedence Stabilization Network Trest table/Insulation plane Filter Test procedure: 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50UH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50UH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and 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 Refer to section 5.3 for details	Test Frequency Range:	150KHz to 30MHz						
Receiver setup: RBW=9KHz, VBW=30KHz, Sweep time=auto Limit: Frequency range (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 5-30 Decreases with the logarithm of the frequency. Reference Plane LISN Aux Equipment LUSN Filter Ac power Filter Ac power LISN Filter Ac power LISN.). This provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for 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. Refer to section 6.0 for details Test mode: Refer to section 5.3 for details	, , ,	Class B						
Limit: Frequency range (MHz)	•	RBW=9KHz, VBW=30KHz, Sv	weep time=auto					
Test procedure: 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance over the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and 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 lof the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement. Refer to section 6.0 for details Test mode: Refer to section 5.3 for details	•		Limit (c	dBuV)				
Test setup: Test setup: Reference Plane LISN		Frequency range (MHz)	,					
Test setup: Reference Plane		0.15-0.5	66 to 56*	56 to 46*				
*Decreases with the logarithm of the frequency. Reference Plane LISN AUX Equipment E.U.T Test table/Insulation plane Receiver Test procedure: 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 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 Refer to section 5.3 for details		0.5-5	56	46				
Test setup: Reference Plane LISN AUX Equipment Receiver Remark EUT Equipment Under Test LISN Une impedence Stabilization Network Test table height=0 im 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and 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		5-30	60	50				
Test procedure: 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and 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		* Decreases with the logarithn	n of the frequency.					
Test procedure: 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and 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 Refer to section 5.3 for details	Test setup:	Reference Plane						
line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 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 Refer to section 5.3 for details		AUX Equipment Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN: Line impedence Stabilization Network						
Test mode: Refer to section 5.3 for details	Test procedure:	line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 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						
	Test Instruments:	Refer to section 6.0 for details).					
Toot results: Page	Test mode:	Refer to section 5.3 for details	;					
restresuits. Pass	Test results:	Pass						



Measurement data

Line:



Trace: 30

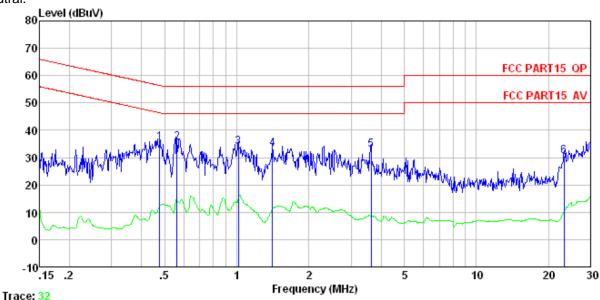
Condition : FCC PART15 QP LISN-2013 LINE

Job No. : 1396RF Test mode : WiFi mode Test Engineer: Mike

	Freq		LISN Factor			Limit Line	Over Limit	Remark
	MHz	dBuV	<u>dB</u>	dB	dBuV	dBuV	₫B	
1 2 3 4 5	0.466 1.000	34.38 26.97	0.11	0.11 0.13	34.83 34.61 27.24	58. 25 56. 58 56. 00		QP QP QP
6	26.001	22.75	1.09	0.23	24.07	60.00	-35.93	QP



Neutral:



Condition : FCC PART15 QP LISN-2013 NEUTRAL

Job No. : 1396RF Test mode : WiFi mode Test Engineer: Mike

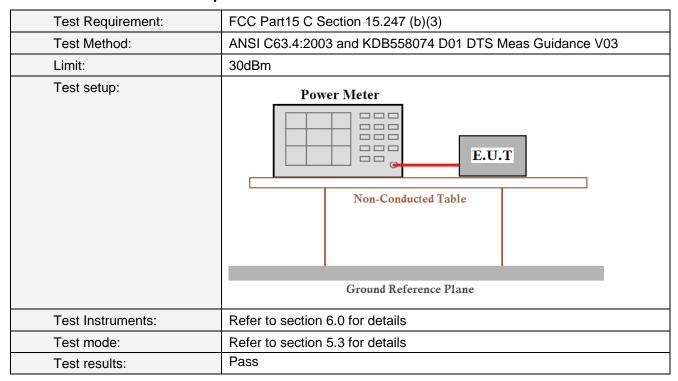
	Freq		LISN Factor				Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.476	35.45	0.06	0.11	35.62	56.41	-20.79	QP
2	0.564	35.33	0.07	0.12	35.52	56.00	-20.48	QP
3	1.016	33.75	0.07	0.13	33.95	56.00	-22.05	QP
4	1.411	32.94	0.09	0.13	33.16	56.00	-22.84	QP
5	3.642	32.68	0.14	0.15	32.97	56.00	-23.03	QP
6	23.263	29.33	0.91	0.23	30.47	60.00	-29.53	QP

Notes:

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



7.3 Conducted Peak Output Power



Measurement Data

Test CH		Limit(dBm)	Result				
1631 011	802.11b	802.11g	802.11n(HT20) 802.11n(HT40)		Limit(abin)	Nesult	
Lowest	7.56	7.07	6.46	5.96			
Middle	7.47	7.19	6.58	6.07	30.00	Pass	
Highest	7.49	7.03	6.56	5.95			

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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

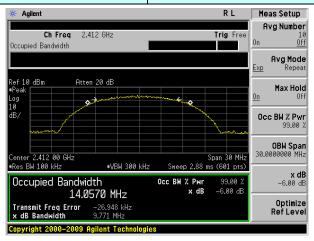
Test CH		Channel Ban	Limit(KHz)	Result			
Test CIT	802.11b		802.11n(HT20)	802.11n(HT40)	Lilliit(Ki iz)	Nesuit	
Lowest	9.771	16.401	17.658	36.130			
Middle	10.486	16.406	17.648	36.090	>500	Pass	
Highest	10.007	16.417	17.658	36.140			

Test plot as follows:

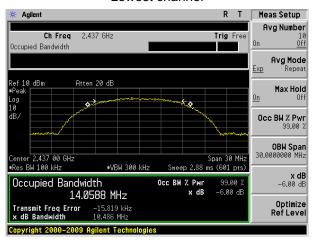
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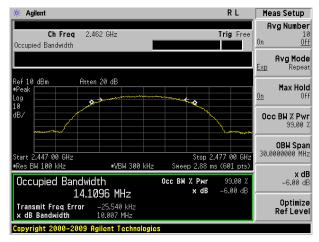
Test mode: 802.11b



Lowest channel



Middle channel

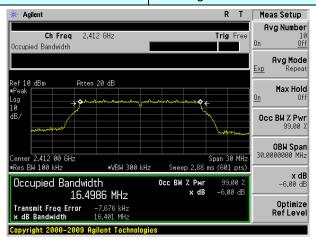


Highest channel

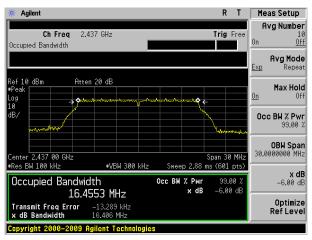
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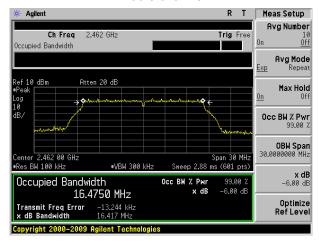
Test mode: 802.11g



Lowest channel



Middle channel



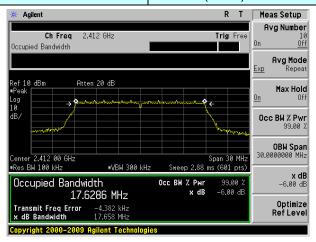
Highest channel

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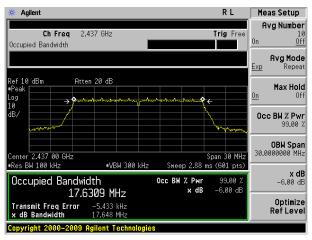
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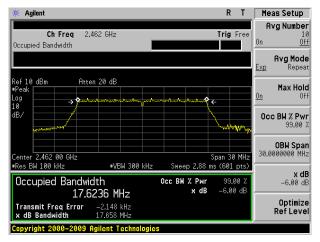
Test mode: 802.11n(HT20)



Lowest channel



Middle channel

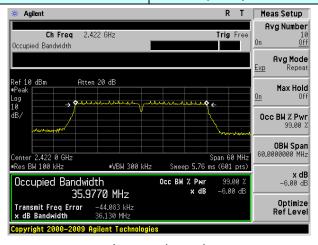


Highest channel

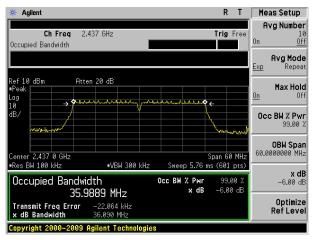
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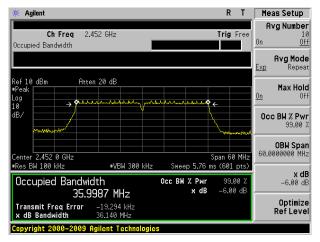
Test mode: 802.11n(HT40)



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

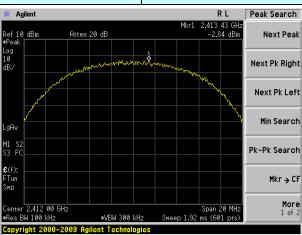
Test CH		Power Spectra	I Density (dBm)		Limit(dBm/3kHz)	Result	
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	LITIIL(GBITI/3KI12)	Result	
Lowest	-2.84	-7.48	-7.94	-11.14		Pass	
Middle	-4.26	-7.44	-8.16	-11.38	8.00		
Highest	-3.88	-7.61	-7.82	-11.04			

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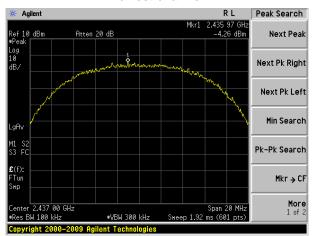


Test plot as follows:

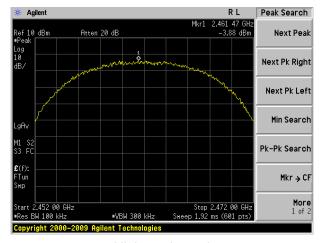
Test mode: 802.11b



Lowest channel



Middle channel

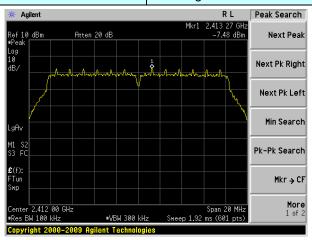


Highest channel

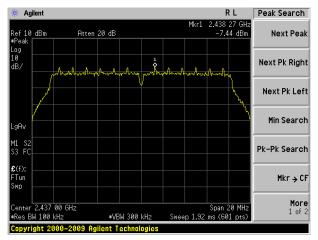
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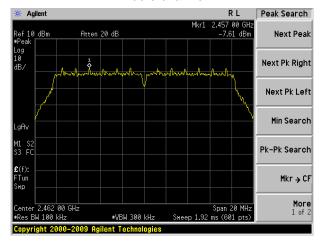
Test mode: 802.11g



Lowest channel



Middle channel

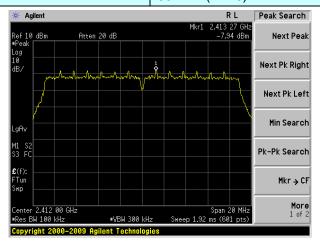


Highest channel

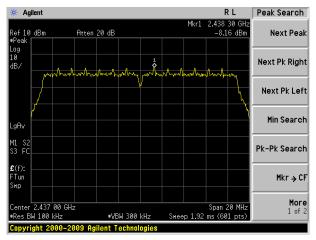
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



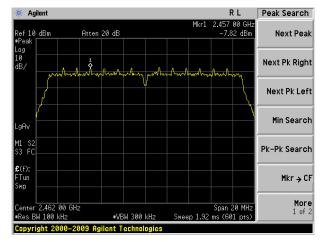
Test mode: 802.11n(HT20)



Lowest channel



Middle channel

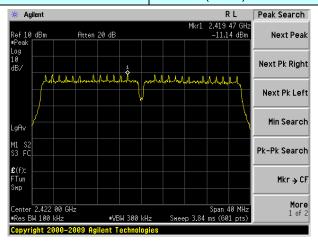


Highest channel

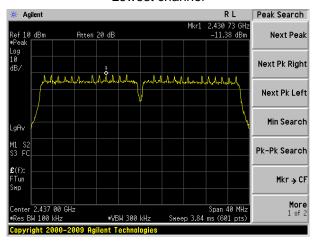
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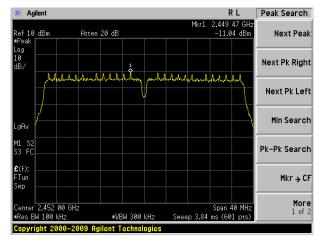
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel



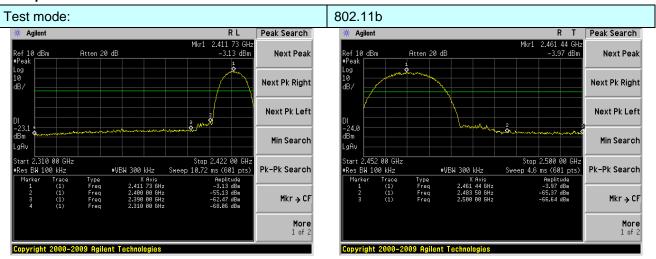
7.6 Band edges

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 30 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				



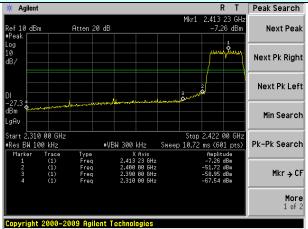
Test plot as follows:



Lowest channel

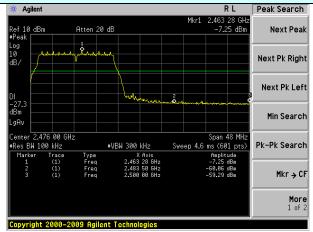
Highest channel

Test mode:



Lowest channel

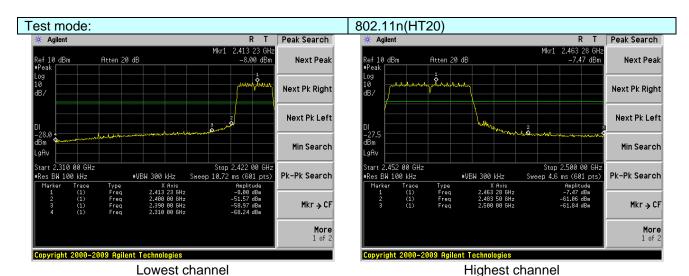
802.11g



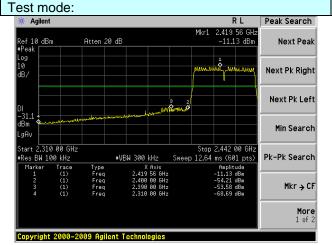
Highest channel

Shenzhen, China 518102

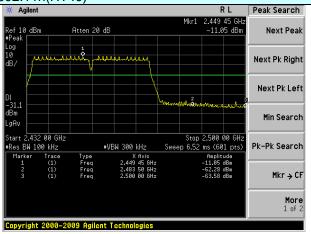












Highest channel

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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	03				
Test Frequency Range:			tested, only	the worst ba	and's (2310MHz to	
	2500MHz) data					
Test site:	Measurement D	istance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value	
	Above 1GHz	Peak	1MHz	3MHz	Peak	
	710070 10112	RMS	1MHz	3MHz	Average	
Limit:	Freque	ency	Limit (dBuV/		Value	
	Above 1	GHz	54.0		Average	
Test setup:	7.5515	02	74.0	0	Peak	
·	EUT Turn Table 0	3m 4m 4m 8 1m		Antenna Tower Horn Antenna Spectrum Analyzer Amplifier		
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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. The radiation measurements are performed in X, Y, Z axis positioning. And found the Y axis positioning which it is worse case, only the test 					
Test Instruments:	Refer to section	node is recorde 6.0 for details		··••		
Test mode:	Refer to section	5.3 for details	}			



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:	802.11b	Test channel:	Lowest
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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
2390.00	48.34	27.59	5.38	30.18	51.13	74.00	-22.87	Horizontal
2400.00	56.24	27.58	5.39	30.18	59.03	74.00	-14.97	Horizontal
2390.00	49.79	27.59	5.38	30.18	52.58	74.00	-21.42	Vertical
2400.00	57.15	27.58	5.39	30.18	59.94	74.00	-14.06	Vertical

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
2390.00	36.05	27.59	5.38	30.18	38.84	54.00	-15.16	Horizontal
2400.00	43.99	27.58	5.39	30.18	46.78	54.00	-7.22	Horizontal
2390.00	37.61	27.59	5.38	30.18	40.40	54.00	-13.60	Vertical
2400.00	44.86	27.58	5.39	30.18	47.65	54.00	-6.35	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)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	47.58	27.53	5.47	29.93	50.65	74.00	-23.35	Horizontal
2500.00	44.46	27.55	5.49	29.93	47.57	74.00	-26.43	Horizontal
2483.50	49.16	27.53	5.47	29.93	52.23	74.00	-21.77	Vertical
2500.00	46.35	27.55	5.49	29.93	49.46	74.00	-24.54	Vertical

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
2483.50	35.92	27.53	5.47	29.93	38.99	54.00	-15.01	Horizontal
2500.00	32.65	27.55	5.49	29.93	35.76	54.00	-18.24	Horizontal
2483.50	37.57	27.53	5.47	29.93	40.64	54.00	-13.36	Vertical
2500.00	34.40	27.55	5.49	29.93	37.51	54.00	-16.49	Vertical

Remark:

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

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Project No.: GTSE140801396RF

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Report No.: GTSE14080139601

Test mode:		802.1	1g	Te	est channel:		Lowest	
Peak value:	<u>. </u>	•				<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
2390.00	48.30	27.59	5.38	30.18	51.09	74.00	-22.91	Horizontal
2400.00	56.19	27.58	5.39	30.18	58.98	74.00	-15.02	Horizontal
2390.00	49.75	27.59	5.38	30.18	52.54	74.00	-21.46	Vertical
2400.00	57.09	27.58	5.39	30.18	59.88	74.00	-14.12	Vertical
Average va	lue:							
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
2390.00	36.03	27.59	5.38	30.18	38.82	54.00	-15.18	Horizontal
2400.00	43.96	27.58	5.39	30.18	46.75	54.00	-7.25	Horizontal
2390.00	37.58	27.59	5.38	30.18	40.37	54.00	-13.63	Vertical
2400.00	44.83	27.58	5.39	30.18	47.62	54.00	-6.38	Vertical
Test mode:		802.1	1g	Te	est channel:		Highest	
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
2483.50	47.52	27.53	5.47	29.93	50.59	74.00	-23.41	Horizontal
2500.00	44.42	27.55	5.49	29.93	47.53	74.00	-26.47	Horizontal
2483.50	49.10	27.53	5.47	29.93	52.17	74.00	-21.83	Vertical
2500.00	46.30	27.55	5.49	29.93	49.41	74.00	-24.59	Vertical
Average va	lue:						_	
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
2483.50	35.89	27.53	5.47	29.93	38.96	54.00	-15.04	Horizontal
2500.00	32.63	27.55	5.49	29.93	35.74	54.00	-18.26	Horizontal
2483.50	37.53	27.53	5.47	29.93	40.60	54.00	-13.40	Vertical
				ı	1	I	1	
2500.00 Remark:	34.38	27.55	5.49	29.93	37.49	54.00	-16.51	Vertical

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

Global United Technology Services Co., Ltd.

2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District,

Shenzhen, China 518102



Test mode:

Report No.: GTSE14080139601

Lowest

			` ,					
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
2390.00	48.15	27.59	5.38	30.18	50.94	74.00	-23.06	Horizontal
2400.00	55.99	27.58	5.39	30.18	58.78	74.00	-15.22	Horizontal
2390.00	49.59	27.59	5.38	30.18	52.38	74.00	-21.62	Vertical
2400.00	56.85	27.58	5.39	30.18	59.64	74.00	-14.36	Vertical
Average va	lue:			•	•			
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
2390.00	35.92	27.59	5.38	30.18	38.71	54.00	-15.29	Horizontal
2400.00	43.84	27.58	5.39	30.18	46.63	54.00	-7.37	Horizontal
2390.00	37.46	27.59	5.38	30.18	40.25	54.00	-13.75	Vertical
2400.00	44.69	27.58	5.39	30.18	47.48	54.00	-6.52	Vertical
Test mode:		802.1	1n(HT20)	Te	st channel:	ŀ	Highest	
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
2483.50	47.31	27.53	5.47	29.93	50.38	74.00	-23.62	Horizontal
2500.00	44.26	27.55	5.49	29.93	47.37	74.00	-26.63	Horizontal
2483.50	48.85	27.53	5.47	29.93	51.92	74.00	-22.08	Vertical
2500.00	46.11	27.55	5.49	29.93	49.22	74.00	-24.78	Vertical
Average va	lue:			_				
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
2483.50	35.76	27.53	5.47	29.93	38.83	54.00	-15.17	Horizontal
2500.00	32.53	27.55	5.49	29.93	35.64	54.00	-18.36	Horizontal
2483.50	37.39	27.53	5.47	29.93	40.46	54.00	-13.54	Vertical
2500.00	34.27	27.55	5.49	29.93	37.38	54.00	-16.62	Vertical
Remark:								

Test channel:

802.11n(HT20)

Remark.

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Shenzhen, China 518102

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

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.



Test mode:

Report No.: GTSE14080139601

Lowest

			` ,					
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
2390.00	47.73	27.59	5.38	30.18	50.52	74.00	-23.48	Horizontal
2400.00	55.43	27.58	5.39	30.18	58.22	74.00	-15.78	Horizontal
2390.00	49.14	27.59	5.38	30.18	51.93	74.00	-22.07	Vertical
2400.00	56.17	27.58	5.39	30.18	58.96	74.00	-15.04	Vertical
Average va	lue:				•			
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
2390.00	35.62	27.59	5.38	30.18	38.41	54.00	-15.59	Horizontal
2400.00	43.49	27.58	5.39	30.18	46.28	54.00	-7.72	Horizontal
2390.00	37.13	27.59	5.38	30.18	39.92	54.00	-14.08	Vertical
2400.00	44.32	27.58	5.39	30.18	47.11	54.00	-6.89	Vertical
					•			
Test mode:		802.1	1n(HT40)	Te	st channel:	H	lighest	
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
2483.50	46.70	27.53	5.47	29.93	49.77	74.00	-24.23	Horizontal
2500.00	43.79	27.55	5.49	29.93	46.90	74.00	-27.10	Horizontal
2483.50	48.16	27.53	5.47	29.93	51.23	74.00	-22.77	Vertical
2500.00	45.56	27.55	5.49	29.93	48.67	74.00	-25.33	Vertical
Average va	lue:							
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
2483.50	35.39	27.53	5.47	29.93	38.46	54.00	-15.54	Horizontal
2500.00	32.24	27.55	5.49	29.93	35.35	54.00	-18.65	Horizontal
2483.50	36.99	27.53	5.47	29.93	40.06	54.00	-13.94	Vertical
2500.00	33.97	27.55	5.49	29.93	37.08	54.00	-16.92	Vertical
Remark:								

Test channel:

802.11n(HT40)

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Shenzhen, China 518102

^{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.



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					

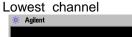
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

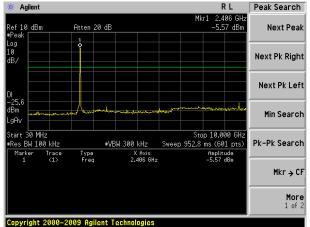


Test plot as follows:

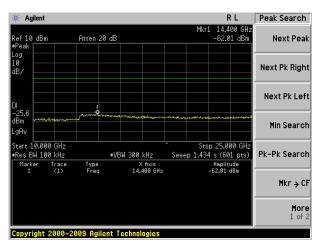
Test mode:

802.11b



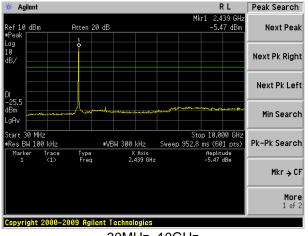


30MHz~10GHz

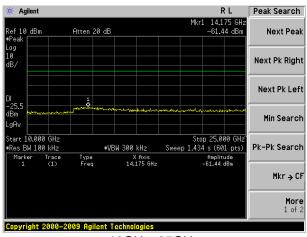


10GHz~25GHz

Middle channel

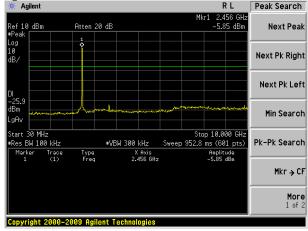


30MHz~10GHz

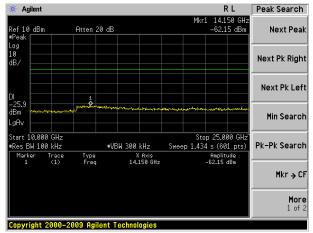


10GHz~25GHz





30MHz~10GHz



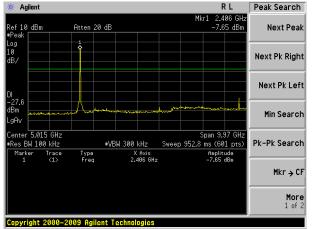
10GHz~25GHz



Test mode:

802.11g



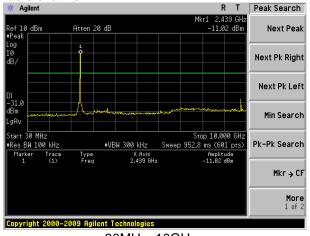


30MHz~10GHz

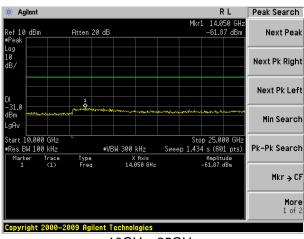
Agilent Peak Search Ref 10 dBm Atten 20 dE Next Peak Next Pk Right Next Pk Left Min Search gAv Start 10.000 GHz •Res BW 100 kHz Stop 25.000 GHz Sweep 1.434 s (601 pts) #VBW 300 kHz Pk-Pk Search X Axis 13.700 GHz Mkr → CF More 1 of 2 Copyright 2000-2009 Agilent Technologies

10GHz~25GHz

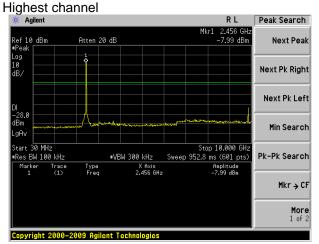
Middle channel



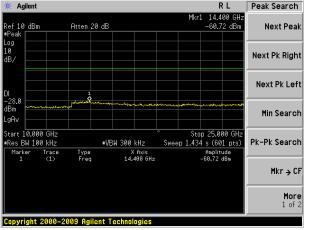
30MHz~10GHz



10GHz~25GHz



30MHz~10GHz



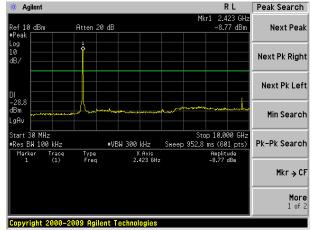
10GHz~25GHz



Test mode:

802.11n(HT20)

Lowest channel

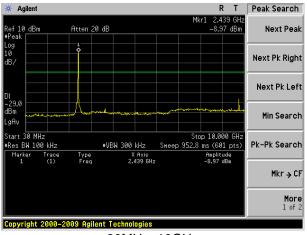


30MHz~10GHz

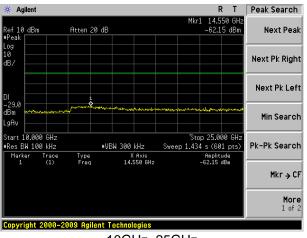
R L Peak Search 🗰 Agilent 14.300 GH -61.70 dBm Next Peak Atten 20 dB Next Pk Right Next Pk Left Min Search Start 10.000 GHz ■Res BW 100 kHz Stop 25.000 GH: Sweep 1.434 s (601 pts) Pk-Pk Search #VBW 300 kHz X Axis 14.300 GHz Mkr → CF More 1 of 2 Copyright 2000-2009 Agilent Technologies

10GHz~25GHz

Middle channel

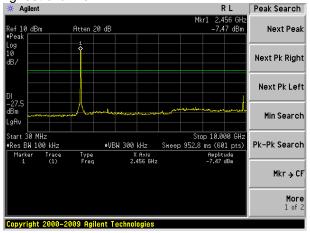


30MHz~10GHz

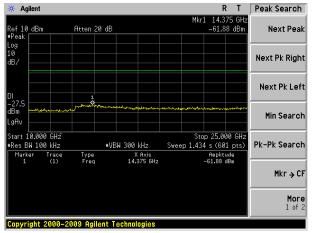


10GHz~25GHz





30MHz~10GHz



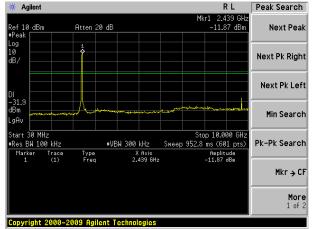
10GHz~25GHz



Test mode:

802.11n(HT40)

Lowest channel

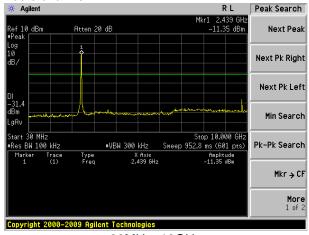


30MHz~10GHz

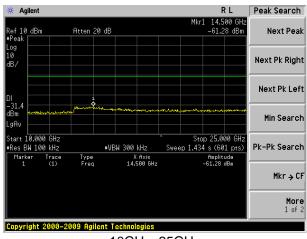
🔆 Agilent R L Peak Search 14.200 GHz -61.66 dBm Atten 20 dB Next Peak Next Pk Right Next Pk Left Min Search Center 17.500 GHz •Res BW 100 kHz Span 15 GH: Sweep 1.434 s (601 pts #VBW 300 kHz Pk-Pk Search X Axis 14.200 GHz -61.66 dBm Mkr → CF More 1 of 2 Copyright 2000-2009 Agilent Technologies

10GHz~25GHz

Middle channel

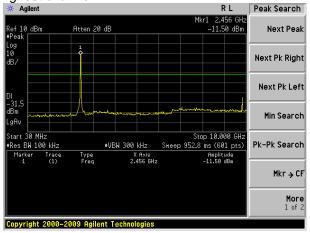


30MHz~10GHz

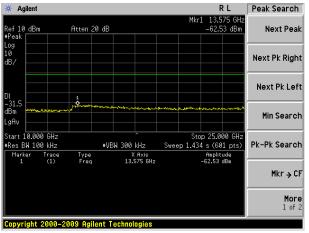


10GHz~25GHz





30MHz~10GHz



10GHz~25GHz



7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Se	ection 15.209									
Test Method:	ANSI C63.4: 200	3									
Test Frequency Range:	30MHz to 25GHz	30MHz to 25GHz									
Test site:	Measurement Dis	stance: 3m									
Receiver setup:	Frequency	Detector	RBW	VBW	Value						
	30MHz-1GHz	Above 1GHz Peak 1MHz 3MHz Peak									
	Above 1GHz	Above 1GHz Peak 1MHz 3MHz Peak RMS 1MHz 3MHz Average									
	Above Toriz	RMS 1MHz 3MHz Average									
Limit:	Frequen	cy l	_imit (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	`U-7	54.0	0	Average						
	Above 10	JI 12	74.0	0	Peak						
	Tum 0.8m Table 0.8m A Ground Plane — Above 1GHz	4m	Ho Spec	Antenna Tower Search Antenna RF Test Receiver Intenna Tower rn Antenna ctrum llyzer							

Global United Technology Services Co., Ltd.

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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.
	2. 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 Y 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 Y-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
31.84	51.69	14.32	0.57	32.06	34.52	40.00	-5.48	Vertical
40.42	49.14	15.58	0.66	32.05	33.33	40.00	-6.67	Vertical
90.22	45.69	13.99	1.11	31.72	29.07	43.50	-14.43	Vertical
188.41	47.67	12.40	1.78	32.11	29.74	43.50	-13.76	Vertical
301.42	46.66	15.08	2.37	32.17	31.94	46.00	-14.06	Vertical
658.84	37.50	20.67	3.94	31.13	30.98	46.00	-15.02	Vertical
60.70	47.21	14.43	0.87	31.94	30.57	40.00	-9.43	Horizontal
92.79	45.43	14.41	1.13	31.73	29.24	43.50	-14.26	Horizontal
207.12	49.86	12.80	1.88	32.14	32.40	43.50	-11.10	Horizontal
305.68	50.06	15.13	2.39	32.16	35.42	46.00	-10.58	Horizontal
675.21	37.59	20.72	4.00	31.16	31.15	46.00	-14.85	Horizontal
897.00	37.63	23.05	4.83	31.19	34.32	46.00	-11.68	Horizontal



■ Above 1GHz

Test mode:		802.11b		Test	channel:	Lowe	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
4824.00	43.75	31.28	8.62	24.17	59.48	74.00	-14.52	Vertical
7236.00	32.65	35.36	11.68	26.52	53.17	74.00	-20.83	Vertical
9648.00	31.97	37.44	14.16	25.44	58.13	74.00	-15.87	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	37.41	31.28	8.62	24.17	53.14	74.00	-20.86	Horizontal
7236.00	29.48	35.36	11.68	26.52	50.00	74.00	-24.00	Horizontal
9648.00	25.93	37.44	14.16	25.44	52.09	74.00	-21.91	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	18.35	31.28	8.62	24.17	34.08	54.00	-19.92	Vertical
7236.00	16.19	35.36	11.68	26.52	36.71	54.00	-17.29	Vertical
9648.00	13.37	37.44	14.16	25.44	39.53	54.00	-14.47	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	17.96	31.28	8.62	24.17	33.69	54.00	-20.31	Horizontal
7236.00	14.92	35.36	11.68	26.52	35.44	54.00	-18.56	Horizontal
9648.00	13.89	37.44	14.16	25.44	40.05	54.00	-13.95	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. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11b		Te	est channel:		Midd	le	
Peak value:									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)		Limit (dBu\		Over Limit (dB)	polarization
4874.00	44.57	32.02	8.66	24.12	61.13	74.0	00	-12.87	Vertical
7311.00	33.52	36.64	11.71	26.71	55.16	74.0	00	-18.84	Vertical
9748.00	32.69	38.54	14.25	25.38	60.10	74.0	00	-13.90	Vertical
12185.00	*					74.0	00		Vertical
14622.00	*					74.0	00		Vertical
17059.00	*					74.0	00		Vertical
4874.00	38.5	32.02	8.66	24.12	55.06	74.0	00	-18.94	Horizontal
7311.00	30.46	36.64	11.71	26.71	52.10	74.0	00	-21.90	Horizontal
9748.00	26.94	38.54	14.25	25.38	54.35	74.0	00	-19.65	Horizontal
12185.00	*					74.0	00		Horizontal
14622.00	*					74.0	00		Horizontal
17059.00	*					74.0	00		Horizontal
Average val	ue:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)		Limit n) (dBu\		Over Limit (dB)	polarization
4874.00	19.27	32.02	8.66	24.12	35.83	54.0	00	-18.17	Vertical
7311.00	17.17	36.64	11.71	26.71	38.81	54.0	00	-15.19	Vertical
9748.00	14.45	38.54	14.25	25.38	41.86	54.0	00	-12.14	Vertical
12185.00	*					54.0	00		Vertical
14622.00	*					54.0	00		Vertical
17059.00	*					54.0	00		Vertical
4874.00	18.97	32.02	8.66	24.12	35.53	54.0	00	-18.47	Horizontal
7311.00	15.85	36.64	11.71	26.71	37.49	54.0	00	-16.51	Horizontal
9748.00	14.98	38.54	14.25	25.38	42.39	54.0	00	-11.61	Horizontal
12185.00	*					54.0	00		Horizontal
14622.00	*					54.0	00		Horizontal
17059.00	*					54.0	00		Horizontal

Remark:

Shenzhen, China 518102

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

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11b		Test	channel:	High	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
4924.00	44.37	32.14	8.70	24.05	61.16	74.00	-12.84	Vertical
7386.00	33.31	36.75	11.76	26.90	54.92	74.00	-19.08	Vertical
9848.00	32.51	38.79	14.31	25.30	60.31	74.00	-13.69	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	38.23	32.14	8.70	24.05	55.02	74.00	-18.98	Horizontal
7386.00	30.22	36.75	11.76	26.90	51.83	74.00	-22.17	Horizontal
9848.00	26.69	38.79	14.31	25.30	54.49	74.00	-19.51	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					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
4924.00	19.04	32.14	8.70	24.05	35.83	54.00	-18.17	Vertical
7386.00	16.93	36.75	11.76	26.90	38.54	54.00	-15.46	Vertical
9848.00	14.18	38.79	14.31	25.30	41.98	54.00	-12.02	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	18.72	32.14	8.70	24.05	35.51	54.00	-18.49	Horizontal
7386.00	15.62	36.75	11.76	26.90	37.23	54.00	-16.77	Horizontal
9848.00	14.71	38.79	14.31	25.30	42.51	54.00	-11.49	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*	_				54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

Shenzhen, China 518102

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

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Tes	st channel:	lowes	st	
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	43.57	31.28	8.62	24.17	59.30	74	-14.70	Vertical
7236.00	32.46	35.36	11.68	26.52	52.98	74	-21.02	Vertical
9648.00	31.82	37.44	14.16	25.44	57.98	74	-16.02	Vertical
12060.00	*					74		Vertical
14472.00	*					74		Vertical
16884.00	*					74		Vertical
4824.00	37.18	31.28	8.62	24.17	52.91	74	-21.09	Horizontal
7236.00	29.27	35.36	11.68	26.52	49.79	74	-24.21	Horizontal
9648.00	25.71	37.44	14.16	25.44	51.87	74	-22.13	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	18.15	31.28	8.62	24.17	33.88	54	-20.12	Vertical
7236.00	15.98	35.36	11.68	26.52	36.50	54	-17.50	Vertical
9648.00	13.14	37.44	14.16	25.44	39.30	54	-14.70	Vertical
12060.00	*					54		Vertical
14472.00	*					54		Vertical
16884.00	*					54		Vertica
4824.00	17.74	31.28	8.62	24.17	33.47	54	-20.53	Horizontal
7236.00	14.72	35.36	11.68	26.52	35.24	54	-18.76	Horizontal
9648.00	13.66	37.44	14.16	25.44	39.82	54	-14.18	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

Shenzhen, China 518102

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

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Tes	t 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	43.44	32.02	8.66	24.12	60.00	74.00	-14.00	Vertical
7311.00	32.32	36.64	11.71	26.71	53.96	74.00	-20.04	Vertical
9748.00	31.70	38.54	14.25	25.38	59.11	74.00	-14.89	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	37.00	32.02	8.66	24.12	53.56	74.00	-20.44	Horizontal
7311.00	29.11	36.64	11.71	26.71	50.75	74.00	-23.25	Horizontal
9748.00	25.55	38.54	14.25	25.38	52.96	74.00	-21.04	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)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	18.01	32.02	8.66	24.12	34.57	54.00	-19.43	Vertical
7311.00	15.82	36.64	11.71	26.71	37.46	54.00	-16.54	Vertical
9748.00	12.97	38.54	14.25	25.38	40.38	54.00	-13.62	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	17.58	32.02	8.66	24.12	34.14	54.00	-19.86	Horizontal
7311.00	14.57	36.64	11.71	26.71	36.21	54.00	-17.79	Horizontal
9748.00	13.48	38.54	14.25	25.38	40.89	54.00	-13.11	Horizontal
12185.00	*	_				54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

Shenzhen, China 518102

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

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		T	est o	channel:		Highe	est	
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prear Facto (dB	or .	Level (dBuV/m)	Limit L (dBuV		Over Limit (dB)	polarization
4924.00	44.16	32.14	8.7	24.0	5	60.95	74.0	00	-13.05	Vertical
7386.00	33.09	36.75	11.76	26.9	9	54.70	74.0	0	-19.30	Vertical
9848.00	32.33	38.79	14.31	25.3	3	60.13	74.0	0	-13.87	Vertical
12310.00	*						74.0	0		Vertical
14772.00	*						74.0	0		Vertical
17234.00	*						74.0	00		Vertical
4924.00	37.96	32.14	8.7	24.0	5	54.75	74.0	0	-19.25	Horizontal
7386.00	29.97	36.75	11.76	26.9	9	51.58	74.0	0	-22.42	Horizontal
9848.00	26.44	38.79	14.31	25.3	3	54.24	74.0	00	-19.76	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)	Prear Facto (dB	or	Level (dBuV/m)	Limit L (dBuV		Over Limit (dB)	polarization
4924.00	18.81	32.14	8.70	24.0	5	35.60	54.0	0	-18.40	Vertical
7386.00	16.68	36.75	11.76	26.9	0	38.29	54.0	0	-15.71	Vertical
9848.00	13.91	38.79	14.31	25.3	0	41.71	54.0	0	-12.29	Vertical
12310.00	*						54.0	0		Vertical
14772.00	*						54.0	0		Vertical
17234.00	*						54.0	0		Vertical
4924.00	18.47	32.14	8.70	24.0	5	35.26	54.0	0	-18.74	Horizontal
7386.00	15.38	36.75	11.76	26.9	0	36.99	54.0	0	-17.01	Horizontal
9848.00	14.43	38.79	14.31	25.3	0	42.23	54.0	0	-11.77	Horizontal
12310.00	*						54.0	0		Horizontal
14772.00	*						54.0	0		Horizontal
17234.00	*						54.0	0		Horizontal

Remark:

Shenzhen, China 518102

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

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT20)	T	est channel:	Lo	owest	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)		Limit Lir (dBuV/n	I I imit	polarization
4824.00	43.14	31.28	8.62	24.17	58.87	74.00	-15.13	Vertical
7236.00	32.00	35.36	11.68	26.52	52.52	74.00	-21.48	Vertical
9648.00	31.43	37.44	14.16	25.44	57.59	74.00	-16.41	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	36.59	31.28	8.62	24.17	52.32	74.00	-21.68	Horizontal
7236.00	28.75	35.36	11.68	26.52	49.27	74.00	-24.73	Horizontal
9648.00	25.17	37.44	14.16	25.44	51.33	74.00	-22.67	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)	Pream Facto (dB)	. I EVEL	Limit Lir (dBuV/n	Limit	polarization
4824.00	17.66	31.28	8.62	24.17	33.39	54.00	-20.61	Vertical
7236.00	15.46	35.36	11.68	26.52	35.98	54.00	-18.02	Vertical
9648.00	12.56	37.44	14.16	25.44	38.72	54.00	-15.28	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	17.20	31.28	8.62	24.17	32.93	54.00	-21.07	Horizontal
7236.00	14.23	35.36	11.68	26.52	34.75	54.00	-19.25	Horizontal
9648.00	13.08	37.44	14.16	25.44	39.24	54.00	-14.76	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	IT20)	Tes	t 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	42.98	32.02	8.66	24.12	59.54	74.00	-14.46	Vertical
7311.00	31.83	36.64	11.71	26.71	53.47	74.00	-20.53	Vertical
9748.00	31.30	38.54	14.25	25.38	58.71	74.00	-15.29	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	36.39	32.02	8.66	24.12	52.95	74.00	-21.05	Horizontal
7311.00	28.56	36.64	11.71	26.71	50.20	74.00	-23.80	Horizontal
9748.00	24.98	38.54	14.25	25.38	52.39	74.00	-21.61	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)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	17.49	32.02	8.66	24.12	34.05	54.00	-19.95	Vertical
7311.00	15.27	36.64	11.71	26.71	36.91	54.00	-17.09	Vertical
9748.00	12.36	38.54	14.25	25.38	39.77	54.00	-14.23	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	17.01	32.02	8.66	24.12	33.57	54.00	-20.43	Horizontal
7311.00	14.05	36.64	11.71	26.71	35.69	54.00	-18.31	Horizontal
9748.00	12.87	38.54	14.25	25.38	40.28	54.00	-13.72	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

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

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT20)	Test	channel:	High	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
4924.00	42.80	32.14	8.70	24.05	59.59	74.00	-14.41	4924.00
7386.00	31.64	36.75	11.76	26.90	53.25	74.00	-20.75	7386.00
9848.00	31.14	38.79	14.31	25.30	58.94	74.00	-15.06	9848.00
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	36.15	32.14	8.70	24.05	52.94	74.00	-21.06	Horizontal
7386.00	28.35	36.75	11.76	26.90	49.96	74.00	-24.04	Horizontal
9848.00	24.76	38.79	14.31	25.30	52.56	74.00	-21.44	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					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
4924.00	17.29	32.14	8.70	24.05	34.08	54.00	-19.92	Vertical
7386.00	15.06	36.75	11.76	26.90	36.67	54.00	-17.33	Vertical
9848.00	12.12	38.79	14.31	25.30	39.92	54.00	-14.08	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	16.79	32.14	8.70	24.05	33.58	54.00	-20.42	Horizontal
7386.00	13.85	36.75	11.76	26.90	35.46	54.00	-18.54	Horizontal
9848.00	12.64	38.79	14.31	25.30	40.44	54.00	-13.56	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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

^{2 &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT40)	Tes	t 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
4844.00	42.73	31.40	8.63	24.04	58.72	74.00	-15.28	Vertical
7266.00	31.56	35.96	11.69	26.47	52.74	74.00	-21.26	Vertical
9688.00	31.07	37.71	14.21	25.30	57.69	74.00	-16.31	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4844.00	36.04	31.40	8.63	24.04	52.03	74.00	-21.97	Horizontal
7266.00	28.26	35.96	11.69	26.47	49.44	74.00	-24.56	Horizontal
9688.00	24.66	37.71	14.21	25.30	51.28	74.00	-22.72	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	17.20	31.40	8.63	24.04	33.19	54.00	-20.81	Vertical
7266.00	14.97	35.96	11.69	26.47	36.15	54.00	-17.85	Vertical
9688.00	12.02	37.71	14.21	25.30	38.64	54.00	-15.36	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	16.69	31.40	8.63	24.04	32.68	54.00	-21.32	Horizontal
7266.00	13.76	35.96	11.69	26.47	34.94	54.00	-19.06	Horizontal
9688.00	12.53	37.71	14.21	25.30	39.15	54.00	-14.85	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.



Test mode:		802.11n(H	802.11n(HT40)			Test channel:			Middle		
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	42.63	32.02	8.66	24	.12	59.19	74.0	00	-14.81	Vertical	
7311.00	31.46	36.64	11.71	26	5.71	53.10	74.00		-20.90	Vertical	
9748.00	30.99	38.54	14.25	25	.38	58.40	74.00		-15.60	Vertical	
12185.00	*						74.00			Vertical	
14622.00	*						74.00			Vertical	
17059.00	*						74.00			Vertical	
4874.00	35.92	32.02	8.66	24	.12	52.48	74.00		-21.52	Horizontal	
7311.00	28.14	36.64	11.71	26	5.71	49.78	74.0	00	-24.22	Horizontal	
9748.00	24.55	38.54	14.25	25.38		51.96	74.0	00	-22.04	Horizontal	
12185.00	*						74.	00		Horizontal	
14622.00	*						74.0	00		Horizontal	
17059.00	*						74.0	00		Horizontal	
Average val											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization	
4874.00	17.10	32.02	8.66	24	.12	33.66	54.0	00	-20.34	Vertical	
7311.00	14.85	36.64	11.71	26	5.71	36.49	54.0	00	-17.51	Vertical	
9748.00	11.90	38.54	14.25	25	5.38	39.31	54.0	00	-14.69	Vertical	
12185.00	*						54.0	00		Vertical	
14622.00	*						54.0	00		Vertical	
17059.00	*						54.0	00		Vertical	
4874.00	16.58	32.02	8.66	24.12		33.14	54.0	00	-20.86	Horizontal	
7311.00	13.66	36.64	11.71	26.71		35.30	54.0	00	-18.70	Horizontal	
9748.00	12.41	38.54	14.25	25	.38	39.82	54.0	00	-14.18	Horizontal	
12185.00	*						54.0	00		Horizontal	
14622.00	*						54.0	00		Horizontal	
17059.00	*			_			54.0	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:	Highest		
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
4904.00	42.52	32.08	8.68	23.97	59.31	74.00	-14.69	Vertical
7356.00	31.34	36.69	11.74	26.73	53.04	74.00	-20.96	Vertical
9808.00	30.89	38.60	14.29	25.22	58.56	74.00	-15.44	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	35.77	32.08	8.68	23.97	52.56	74.00	-21.44	Horizontal
7356.00	28.01	36.69	11.74	26.73	49.71	74.00	-24.29	Horizontal
9808.00	24.41	38.60	14.29	25.22	52.08	74.00	-21.92	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
4904.00	16.97	32.08	8.68	23.97	33.76	54.00	-20.24	Vertical
7356.00	14.72	36.69	11.74	26.73	36.42	54.00	-17.58	Vertical
9808.00	11.75	38.60	14.29	25.22	39.42	54.00	-14.58	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	16.44	32.08	8.68	23.97	33.23	54.00	-20.77	Horizontal
7356.00	13.53	36.69	11.74	26.73	35.23	54.00	-18.77	Horizontal
9808.00	12.26	38.60	14.29	25.22	39.93	54.00	-14.07	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

Shenzhen, China 518102

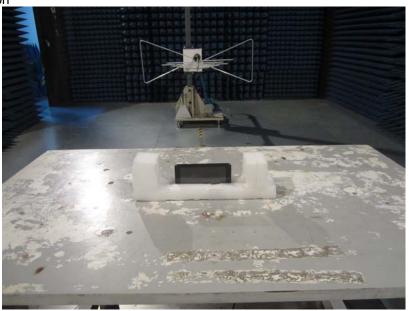
¹ Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

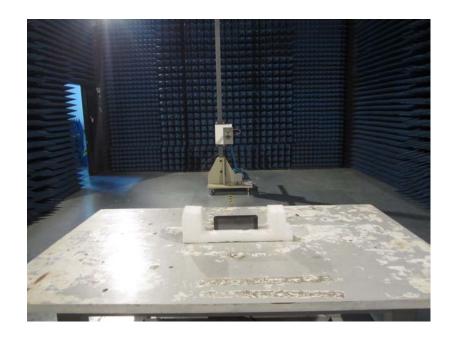
^{2 &}quot;*", means this data is the too weak instrument of signal is unable to test.



8 Test Setup Photo

Radiated Emission





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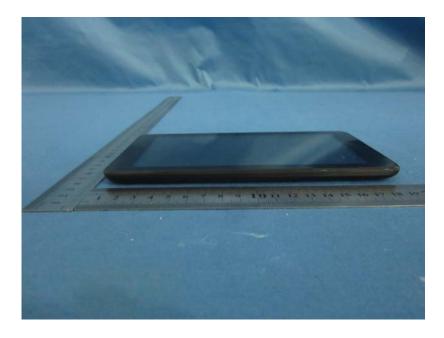
Conducted Emission





9 EUT Constructional Details





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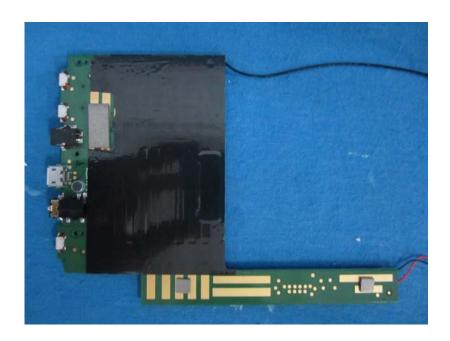
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

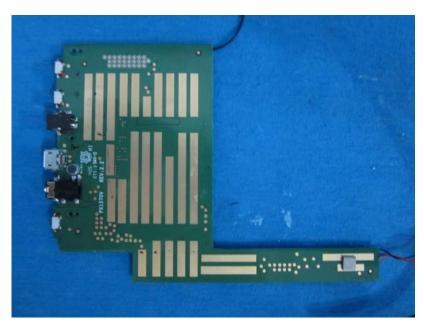






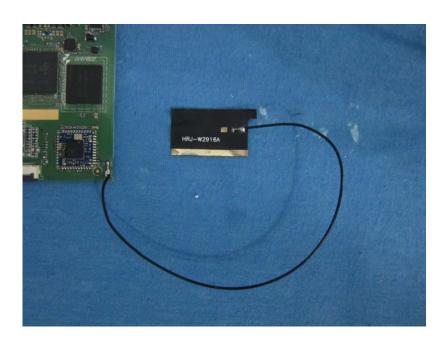






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