

Global United Technology Services Co., Ltd.

Report No.: GTSE13080132201

FCC REPORT

Applicant: KBX GROUP

Address of Applicant: 2525 PONCE De Leon Blvd. Suite 300 Coral Gables, FL

333134

Equipment Under Test (EUT)

Product Name: TABLET PC

Model No.: QS-701BK-TV

FCC ID: 2AAPW-QS-701BK-TV

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

Date of sample receipt: August 08, 2013

Date of Test: August 08-21, 2013

Date of report issued: August 21, 2013

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	August 21, 2013	Original

Prepared By:	hank. yan	Date:	August 21, 2013	
	Project Engineer			
Check By:	Hans. Hu	Date:	August 21, 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:	KBX GROUP
Address of Applicant:	2525 PONCE De Leon Blvd. Suite 300 Coral Gables, FL 333134
Manufacturer/Factory:	KBX GROUP
Address of Manufacturer/ Factory:	2525 PONCE De Leon Blvd. Suite 300 Coral Gables, FL 333134

5.2 General Description of EUT

TABLET PC
QS-701BK-TV
2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20))
2422MHz~2452MHz (802.11n(HT40))
11 for 802.11b/802.11g/802.11n(HT20)
7 for 802.11n(HT40)
5MHz
Direct Sequence Spread Spectrum (DSSS)
Orthogonal Frequency Division Multiplexing(OFDM)
Integral Antenna
2dBi (declare by Applicant)
Adapter:
Model No.: YHXH-SW0502000U
Input: AC 100-240V 50/60Hz 0.6A MAX
Output: DC 5.0V 2.0A



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
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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

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

Shenzhen, China 518102



6 Test Instruments list

Radi	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. 08 2011	Sep. 07 2013	
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	
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			



7 Test results and Measurement Data

7.1 Antenna requirement:

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

15.203 requirement:

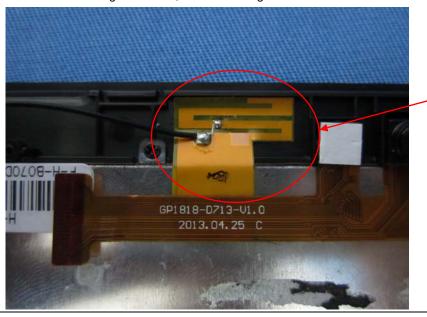
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 2dBi



RF ANT

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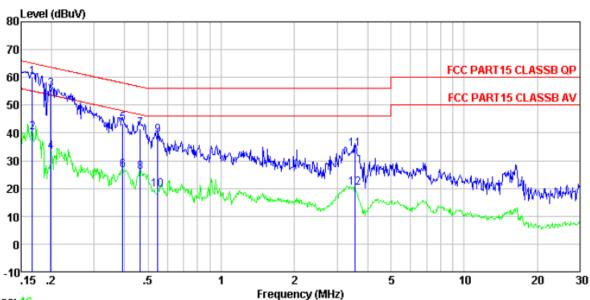
7.2 Conducted Emissions

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, Sv	weep time=auto					
Limit:	Frequency range (MHz)	Limit (c	dBuV)				
	Prequency range (MHZ) Quasi-peak Average						
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5 5-30	56 60	46 50				
	* Decreases with the logarithm		50				
Test setup:	Reference Plane	Tor the frequency:					
	AUX Equipment Test table/Insulation plane Remark EUT: Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m						
Test procedure:	 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. 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). 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						



Measurement data

Line:



Trace: 16

Condition : FCC PART15 CLASSB QP LISN-2012 LINE

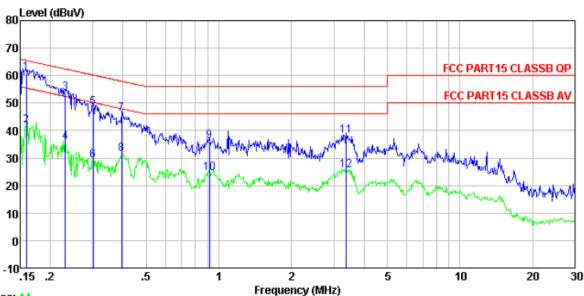
Job No. : 1322RF Test mode : WiFi Mode Test Engineer: Yang

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu₹	dB	dB	dBuV	dBuV	dB	
1 2 3 4 5	0.167 0.167 0.199 0.199 0.393	60.12 40.43 55.87 33.42 43.61	-0. 26 -0. 26 -0. 23 -0. 23 -0. 22	0.10 0.10 0.10 0.10 0.10	59. 96 40. 27 55. 74 33. 29 43. 49	63.67 53.67	-14.85 -7.93	Average QP Average
4 5 6 7 8 9	0. 393 0. 464 0. 464 0. 549	26.56 41.63 26.05 39.28	-0. 22 -0. 21 -0. 21 -0. 21	0.10 0.10 0.10 0.10	26. 44 41. 52 25. 94 39. 17	47. 99 56. 63 46. 63	-21.55 -15.11	Average QP Average
10 11 12	0. 549 3. 565 3. 565	19.64 34.27 20.54	-0. 21 -0. 27 -0. 27	0.10 0.10 0.10 0.10	19.53 34.10 20.37	46.00 56.00	-26.47 -21.90	Average

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Neutral:



Trace: 14

Condition : FCC PART15 CLASSB QP LISN-2012 NEUTRAL

Job No. : 1322RF Test mode : WiFi Mode Test Engineer: Yang

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu₹	dB	d₿	dBuV	dBuV	dB	
1	0.159	61.24	-0.13	0.10	61.21	65.52	-4.31	QP
2 3	0.159	41.71	-0.13	0.10	41.68	55.52	-13.84	Average
	0.230	53.81	-0.09	0.10	53.82	62.44	-8.62	QP
4 5	0.230	35.81	-0.09	0.10	35.82	52.44	-16.62	Average
5	0.302	48.36	-0.09	0.10	48.37	60.19	-11.82	QP
6 7	0.302	29.31	-0.09	0.10	29.32	50.19	-20.87	Average
7	0.396	46.24	-0.08	0.10	46.26	57.95	-11.69	QP
8 9	0.396	31.35	-0.08	0.10	31.37	47.95	-16.58	Average
9	0.914	36.11	-0.09	0.10	36.12	56.00	-19.88	QP
10	0.914	24.44	-0.09	0.10	24.45	46.00	-21.55	Average
11	3.381	38.26	-0.13	0.10	38. 23	56.00	-17.77	QP
12	3, 381	25, 48	-0.13	0.10	25, 45	46, 00	-20.55	Average

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



7.3 Conducted Peak Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)			
Test Method:	ANSI C63.4:2003 and KDB558074 D01 DTS Meas Guidance V03			
Limit:	30dBm			
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			

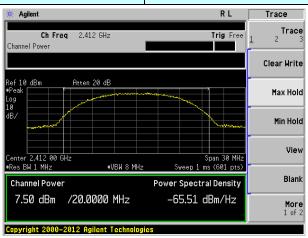
Measurement Data

Test CH		Peak Outp	Limit (dBm)	Result		
1631 011	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit (dDin)	resuit
Lowest	7.50	7.32	7.39	6.98		Pass
Middle	7.52	7.29	7.25	6.91	30.00	
Highest	7.45	7.23	7.23	6.93		

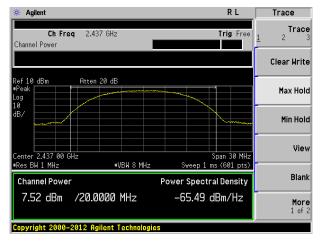


Test plot as follows:

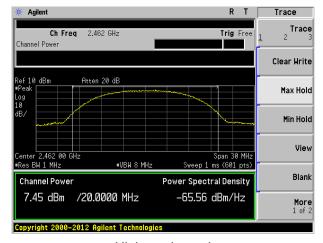
Test mode: 802.11b



Lowest channel



Middle channel



Highest channel

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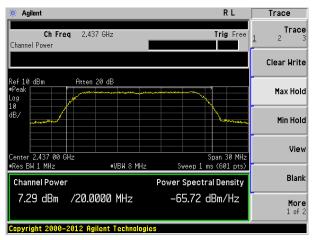
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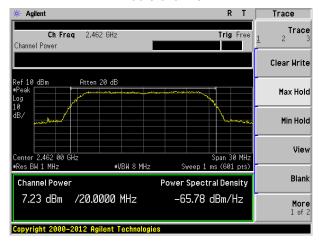
Test mode: 802.11g



Lowest channel



Middle channel



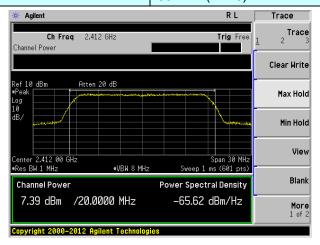
Highest channel

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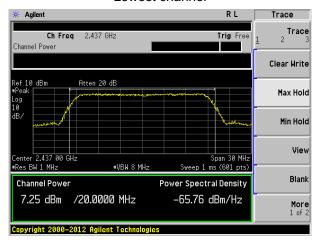


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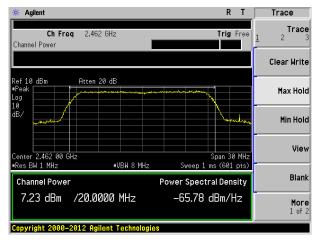
Test mode: 802.11n(HT20)



Lowest channel



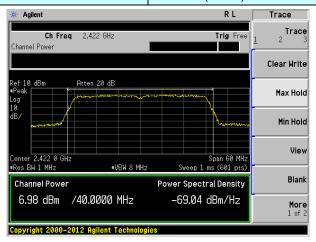
Middle channel



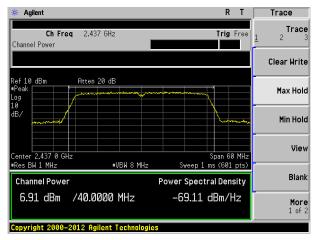
Highest channel



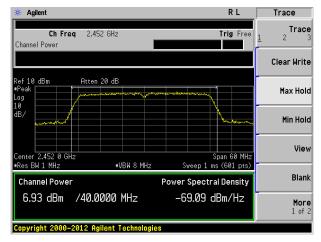
Test mode: 802.11n(HT40)



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

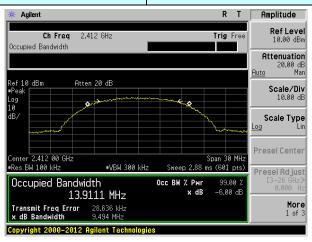
Test CH		Channel Bar	Limit(KHz)	Result		
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Littit(Ki iz)	Nesuit
Lowest	9.494	16.563	17.767	35.886		Pass
Middle	9.886	16.561	17.784	35.900	>500	
Highest	10.556	16.530	17.763	36.102		

Test plot as follows:

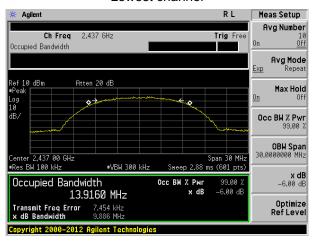


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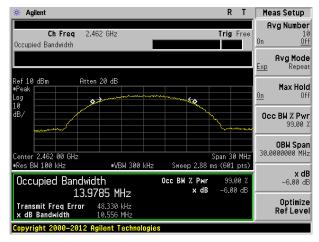
Test mode: 802.11b



Lowest channel



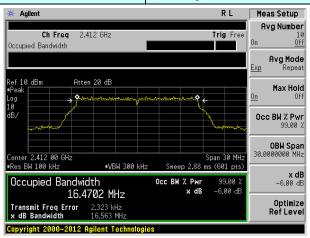
Middle channel



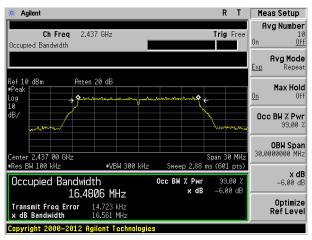
Highest channel



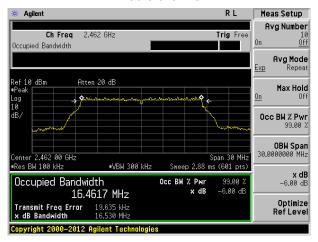
Test mode: 802.11g



Lowest channel



Middle channel



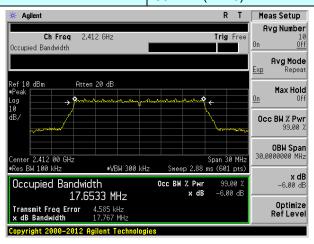
Highest channel

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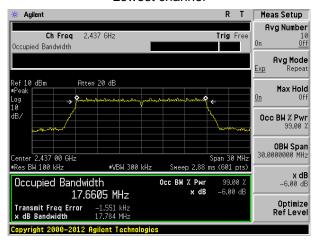


Project No.: GTSE130801322RF

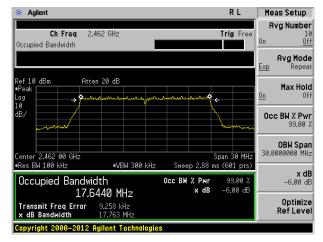
Test mode: 802.11n(HT20)



Lowest channel



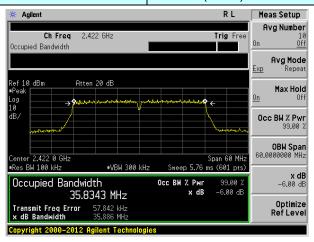
Middle channel



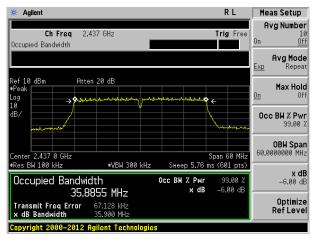
Highest channel



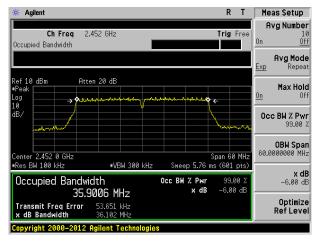
Test mode: 802.11n(HT40)



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

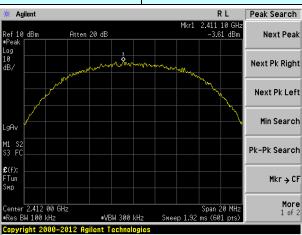
Test CH		Power Sp	Limit	Result		
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	(dBm/3kHz)	Result
Lowest	-3.61	-4.73	-4.73	-7.71		Pass
Middle	-3.49	-5.38	-5.34	-7.28	8.00	
Highest	-3.62	-5.17	-5.14	-7.00		

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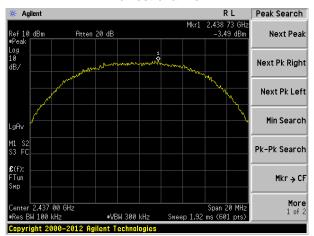


Test plot as follows:

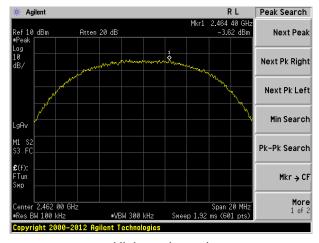
Test mode: 802.11b



Lowest channel



Middle channel

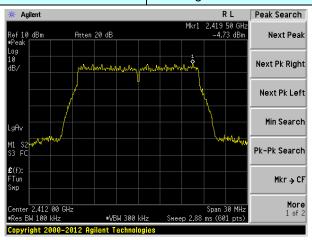


Highest channel

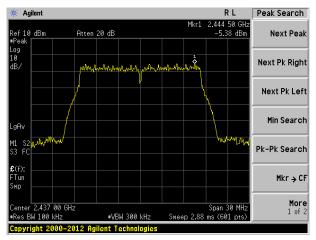
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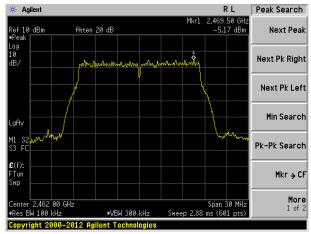
Test mode: 802.11g



Lowest channel



Middle channel

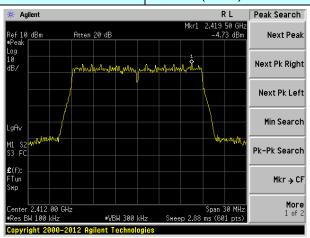


Highest channel

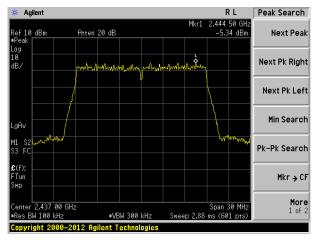
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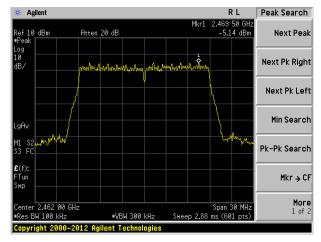
Test mode: 802.11n(HT20)



Lowest channel



Middle channel

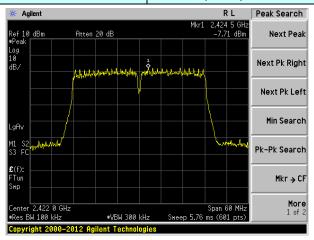


Highest channel

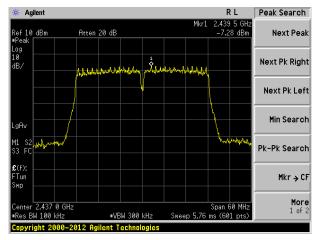
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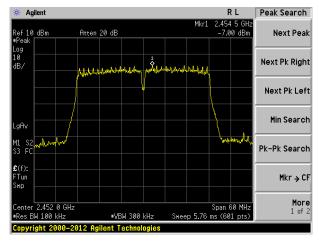
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel

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7.6 Band edges

7.6.1 Conducted Emission Method

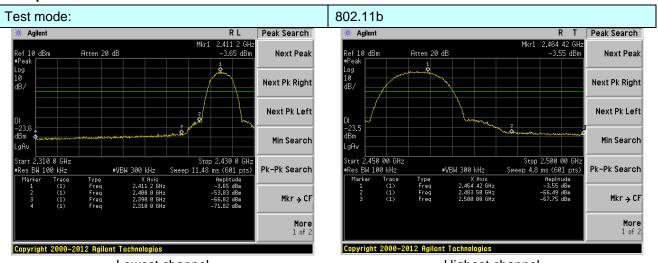
Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	ANSI C63.4:2003 and KDB558074 D01 DTS Meas Guidance V03				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional 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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Test plot as follows:

Test mode:

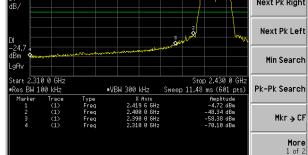


Lowest channel

Highest channel 802.11g

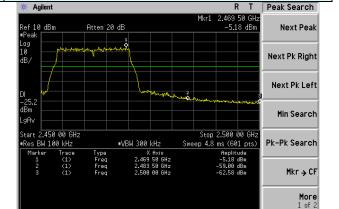
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Ref 10 dBm Atten 20 dB Atten 20 dB Peak Search Peak Log 10 dB/ DI DI D-24.7 dBm Atten 20 dB Next Pk Right Next Pk Left Next Pk Left



Lowest channel

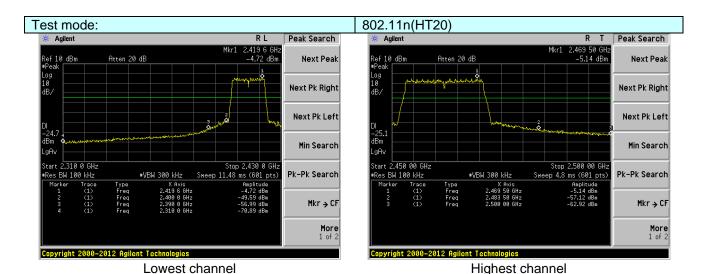
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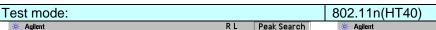


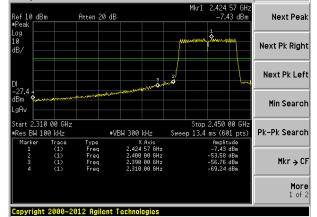
Highest channel

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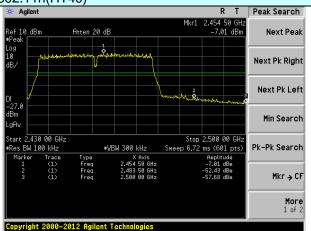








Lowest channel



Highest channel

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8960

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7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C S	Section 15,209	and 15.205					
Test Method:	ANSI C63.4: 2003							
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to							
root roqueriey rtanger	2500MHz) data		tootou, omy		and 5 (25 15 m) 12 to			
Test site:	Measurement D							
Receiver setup:	Frequency	Detector	RBW	VBW	Value			
receiver detap.		Peak	1MHz	3MHz	Peak			
	Above 1GHz	Peak	1MHz	10Hz	Average			
Limit:	Freque		Limit (dBuV/		Value			
Lillit.	1 Teque	ilicy	54.0	, ,	Average			
	Above 1	GHz	74.0		Peak			
Test setup:			74.0	0	reak			
	EUT	Turn 0 8m lm						
Test Procedure:	1 urn 0.8m 1m							
Test Instruments:	Refer to section							
Test mode:	Refer to section	5.3 for details	<u> </u>	· · · · · · · · · · · · · · · · · · ·				
Test results:	Pass							



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
root mode.	002.110	1 oot onamion.	LOWOOL

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	47.13	27.59	5.38	30.18	49.92	74.00	-24.08	Horizontal
2400.00	58.11	27.58	5.39	30.18	60.90	74.00	-13.10	Horizontal
2390.00	49.05	27.59	5.38	30.18	51.84	74.00	-22.16	Vertical
2400.00	60.43	27.58	5.39	30.18	63.22	74.00	-10.78	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	34.61	27.59	5.38	30.18	37.40	54.00	-16.60	Horizontal
2400.00	42.23	27.58	5.39	30.18	45.02	54.00	-8.98	Horizontal
2390.00	36.67	27.59	5.38	30.18	39.46	54.00	-14.54	Vertical
2400.00	44.07	27.58	5.39	30.18	46.86	54.00	-7.14	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	47.14	27.53	5.47	29.93	50.21	74.00	-23.79	Horizontal
2500.00	43.80	27.55	5.49	29.93	46.91	74.00	-27.09	Horizontal
2483.50	48.78	27.53	5.47	29.93	51.85	74.00	-22.15	Vertical
2500.00	45.73	27.55	5.49	29.93	48.84	74.00	-25.16	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	35.20	27.53	5.47	29.93	38.27	54.00	-15.73	Horizontal
2500.00	31.77	27.55	5.49	29.93	34.88	54.00	-19.12	Horizontal
2483.50	36.85	27.53	5.47	29.93	39.92	54.00	-14.08	Vertical
2500.00	33.49	27.55	5.49	29.93	36.60	54.00	-17.40	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.

Global United Technology Services Co., Ltd.

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

Shenzhen, China 518102



802.11g

Test mode:

Report No.: GTSE13080132201

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	58.50	27.59	5.38	30.18	61.29	74.00	-12.71	Horizontal
2400.00	60.18	27.58	5.39	30.18	62.97	74.00	-11.03	Horizontal
2390.00	60.62	27.59	5.38	30.18	63.41	74.00	-10.59	Vertical
2400.00	62.44	27.58	5.39	30.18	65.23	74.00	-8.77	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	39.38	27.59	5.38	30.18	42.17	54.00	-11.83	Horizontal
2400.00	41.48	27.58	5.39	30.18	44.27	54.00	-9.73	Horizontal
2390.00	41.54	27.59	5.38	30.18	44.33	54.00	-9.67	Vertical
2400.00	43.36	27.58	5.39	30.18	46.15	54.00	-7.85	Vertical
•				•	•			•
Test mode:		802.1	1g	Tes	st channel:	H	lighest	
Peak value:	•							
Frequency	Read	Antenna	Cable	Preamp				
(MHz)	Level (dBuV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
(MHz) 2483.50			Loss	Factor			Limit	Polarization Horizontal
` ,	(dBuV)	(dB/m)	Loss (dB)	Factor (dB)	(dBuV/m)	(dBuV/m)	Limit (dB)	
2483.50	(dBuV) 59.58	(dB/m) 27.53	Loss (dB) 5.47	Factor (dB) 29.93	(dBuV/m) 62.65	(dBuV/m) 74.00	Limit (dB) -11.35	Horizontal
2483.50 2500.00	(dBuV) 59.58 45.27	(dB/m) 27.53 27.55	Loss (dB) 5.47 5.49	Factor (dB) 29.93 29.93	(dBuV/m) 62.65 48.38	74.00 74.00	Limit (dB) -11.35 -25.62	Horizontal Horizontal
2483.50 2500.00 2483.50	(dBuV) 59.58 45.27 61.11 47.72	(dB/m) 27.53 27.55 27.53	Loss (dB) 5.47 5.49 5.47	Factor (dB) 29.93 29.93 29.93	(dBuV/m) 62.65 48.38 64.18	74.00 74.00 74.00 74.00	Limit (dB) -11.35 -25.62 -9.82	Horizontal Horizontal Vertical
2483.50 2500.00 2483.50 2500.00	(dBuV) 59.58 45.27 61.11 47.72	(dB/m) 27.53 27.55 27.53	Loss (dB) 5.47 5.49 5.47	Factor (dB) 29.93 29.93 29.93	(dBuV/m) 62.65 48.38 64.18	74.00 74.00 74.00 74.00	Limit (dB) -11.35 -25.62 -9.82	Horizontal Horizontal Vertical
2483.50 2500.00 2483.50 2500.00 Average va Frequency	(dBuV) 59.58 45.27 61.11 47.72 lue: Read Level	(dB/m) 27.53 27.55 27.53 27.55 Antenna Factor	Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss	Factor (dB) 29.93 29.93 29.93 Preamp Factor	(dBuV/m) 62.65 48.38 64.18 50.83	(dBuV/m) 74.00 74.00 74.00 74.00 Limit Line	Limit (dB) -11.35 -25.62 -9.82 -23.17 Over Limit	Horizontal Horizontal Vertical Vertical
2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz)	(dBuV) 59.58 45.27 61.11 47.72 lue: Read Level (dBuV)	(dB/m) 27.53 27.55 27.53 27.55 Antenna Factor (dB/m)	Loss (dB) 5.47 5.49 5.49 Cable Loss (dB)	Factor (dB) 29.93 29.93 29.93 Preamp Factor (dB)	(dBuV/m) 62.65 48.38 64.18 50.83 Level (dBuV/m)	74.00 74.00 74.00 74.00 Limit Line (dBuV/m)	Limit (dB) -11.35 -25.62 -9.82 -23.17 Over Limit (dB)	Horizontal Horizontal Vertical Vertical Polarization
2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz) 2483.50	(dBuV) 59.58 45.27 61.11 47.72 Iue: Read Level (dBuV) 38.14	(dB/m) 27.53 27.55 27.55 27.55 Antenna Factor (dB/m) 27.53	Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss (dB) 5.47	Factor (dB) 29.93 29.93 29.93 Preamp Factor (dB) 29.93	(dBuV/m) 62.65 48.38 64.18 50.83 Level (dBuV/m) 41.21	(dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	Limit (dB) -11.35 -25.62 -9.82 -23.17 Over Limit (dB) -12.79	Horizontal Horizontal Vertical Vertical Polarization Horizontal

Test channel:

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Shenzhen, China 518102

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

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



Test mode:

Peak value:

Report No.: GTSE13080132201

Lowest

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	59.85	27.59	5.38	30.18	62.64	74.00	-11.36	Horizontal
2400.00	60.45	27.58	5.39	30.18	63.24	74.00	-10.76	Horizontal
2390.00	61.97	27.59	5.38	30.18	64.76	74.00	-9.24	Vertical
2400.00	62.71	27.58	5.39	30.18	65.50	74.00	-8.50	Vertical
Average va	lue:	1		I				l
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	38.61	27.59	5.38	30.18	41.40	54.00	-12.60	Horizontal
2400.00	39.88	27.58	5.39	30.18	42.67	54.00	-11.33	Horizontal
2390.00	40.77	27.59	5.38	30.18	43.56	54.00	-10.44	Vertical
2400.00	41.76	27.58	5.39	30.18	44.55	54.00	-9.45	Vertical
Toot mode.		902.1	15/UT20\	To	ot oboppoli	L	lighoot	
Test mode:		802.1	1n(HT20)	Tes	st channel:	H	lighest	
Peak value Frequency	: Read Level	802.1 Antenna Factor	1n(HT20) Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Polarization
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)	
Peak value Frequency (MHz) 2483.50	Read Level (dBuV) 55.69	Antenna Factor (dB/m) 27.53	Cable Loss (dB) 5.47	Preamp Factor (dB) 29.93	Level (dBuV/m) 58.76	Limit Line (dBuV/m) 74.00	Over Limit (dB) -15.24	Horizontal
Peak value Frequency (MHz) 2483.50 2500.00	Read Level (dBuV) 55.69 47.04	Antenna Factor (dB/m) 27.53 27.55	Cable Loss (dB) 5.47 5.49	Preamp Factor (dB) 29.93 29.93	Level (dBuV/m) 58.76 50.15	Limit Line (dBuV/m) 74.00 74.00	Over Limit (dB) -15.24 -23.85	Horizontal Horizontal
Peak value Frequency (MHz) 2483.50 2500.00 2483.50	Read Level (dBuV) 55.69 47.04 57.22	Antenna Factor (dB/m) 27.53 27.55 27.53	Cable Loss (dB) 5.47 5.49 5.47	Preamp Factor (dB) 29.93 29.93	Level (dBuV/m) 58.76 50.15 60.29	Limit Line (dBuV/m) 74.00 74.00 74.00	Over Limit (dB) -15.24 -23.85 -13.71	Horizontal Horizontal Vertical
Peak value Frequency (MHz) 2483.50 2500.00 2483.50 2500.00	Read Level (dBuV) 55.69 47.04 57.22 49.49	Antenna Factor (dB/m) 27.53 27.55	Cable Loss (dB) 5.47 5.49	Preamp Factor (dB) 29.93 29.93	Level (dBuV/m) 58.76 50.15	Limit Line (dBuV/m) 74.00 74.00	Over Limit (dB) -15.24 -23.85	Horizontal Horizontal
Peak value Frequency (MHz) 2483.50 2500.00 2483.50	Read Level (dBuV) 55.69 47.04 57.22 49.49	Antenna Factor (dB/m) 27.53 27.55 27.53	Cable Loss (dB) 5.47 5.49 5.47 5.49	Preamp Factor (dB) 29.93 29.93 29.93	Level (dBuV/m) 58.76 50.15 60.29	Limit Line (dBuV/m) 74.00 74.00 74.00	Over Limit (dB) -15.24 -23.85 -13.71 -21.40	Horizontal Horizontal Vertical
Peak value Frequency (MHz) 2483.50 2500.00 2483.50 2500.00	Read Level (dBuV) 55.69 47.04 57.22 49.49	Antenna Factor (dB/m) 27.53 27.55 27.53	Cable Loss (dB) 5.47 5.49 5.47	Preamp Factor (dB) 29.93 29.93	Level (dBuV/m) 58.76 50.15 60.29	Limit Line (dBuV/m) 74.00 74.00 74.00	Over Limit (dB) -15.24 -23.85 -13.71	Horizontal Horizontal Vertical
Peak value Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average value	Read Level (dBuV) 55.69 47.04 57.22 49.49	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	Preamp Factor (dB) 29.93 29.93 29.93 Preamp Factor	Level (dBuV/m) 58.76 50.15 60.29 52.60	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line	Over Limit (dB) -15.24 -23.85 -13.71 -21.40 Over Limit	Horizontal Horizontal Vertical Vertical
Peak value Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average value	Read Level (dBuV) 55.69 47.04 57.22 49.49 Ilue: Read Level (dBuV)	Antenna Factor (dB/m) 27.53 27.55 27.53 27.55 Antenna Factor (dB/m)	Cable Loss (dB) 5.47 5.49 5.47 Cable Loss (dB)	Preamp Factor (dB) 29.93 29.93 29.93 Preamp Factor (dB)	Level (dBuV/m) 58.76 50.15 60.29 52.60 Level (dBuV/m)	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m)	Over Limit (dB) -15.24 -23.85 -13.71 -21.40 Over Limit (dB)	Horizontal Horizontal Vertical Vertical Polarization
Peak value Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average value Frequency (MHz) 2483.50	Read Level (dBuV) 55.69 47.04 57.22 49.49 Ilue: Read Level (dBuV) 37.59	Antenna Factor (dB/m) 27.53 27.55 27.53 27.55 Antenna Factor (dB/m) 27.53	Cable Loss (dB) 5.47 5.49 5.47 Cable Loss (dB) 5.47	Preamp Factor (dB) 29.93 29.93 29.93 Preamp Factor (dB) 29.93	Level (dBuV/m) 58.76 50.15 60.29 52.60 Level (dBuV/m) 40.66	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	Over Limit (dB) -15.24 -23.85 -13.71 -21.40 Over Limit (dB) -13.34	Horizontal Horizontal Vertical Vertical Polarization Horizontal

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

Test channel:

802.11n(HT20)

Global United Technology Services Co., Ltd.

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

Shenzhen, China 518102



Test mode:

Peak value:

Report No.: GTSE13080132201

Lowest

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	63.23	27.59	5.38	30.18	66.02	74.00	-7.98	Horizontal
2400.00	60.15	27.58	5.39	30.18	62.94	74.00	-11.06	Horizontal
2390.00	65.35	27.59	5.38	30.18	68.14	74.00	-5.86	Vertical
2400.00	62.41	27.58	5.39	30.18	65.20	74.00	-8.80	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	40.49	27.59	5.38	30.18	43.28	54.00	-10.72	Horizontal
2400.00	37.73	27.58	5.39	30.18	40.52	54.00	-13.48	Horizontal
2390.00	42.65	27.59	5.38	30.18	45.44	54.00	-8.56	Vertical
2400.00	39.61	27.58	5.39	30.18	42.40	54.00	-11.60	Vertical
Test mode:		802.1	1n(HT40)	Tes	st channel:	F	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	60.66	27.53	5.47	29.93	63.73	74.00	-10.27	Horizontal
2500.00	53.83	27.55	5.49	29.93	56.94	74.00	-17.06	Horizontal
2483.50	62.19	27.53	5.47	29.93	65.26	74.00	-8.74	Vertical
2500.00	56.28	27.55	5.49	29.93	59.39	74.00	-14.61	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	39.13	27.53	5.47	29.93	42.20	54.00	-11.80	Horizontal
2500.00	34.29	27.55	5.49	29.93	37.40	54.00	-16.60	Horizontal
2483.50	40.78	27.53	5.47	29.93	43.85	54.00	-10.15	Vertical
2500.00	36.01	27.55	5.49	29.93	39.12	54.00	-14.88	Vertical
Remark:								

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

Test channel:

802.11n(HT40)

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Shenzhen, China 518102



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				

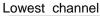
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

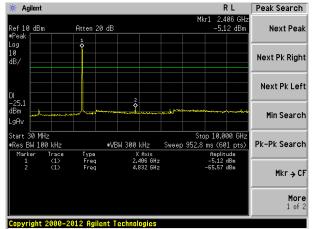


Test plot as follows:

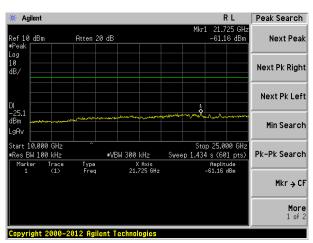
Test mode:

802.11b



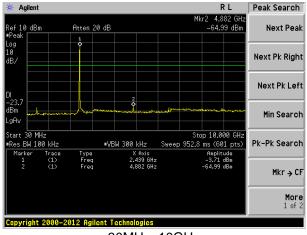


30MHz~10GHz

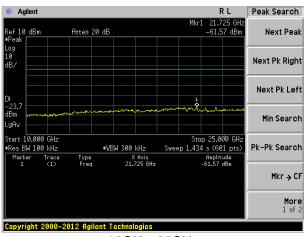


10GHz~25GHz

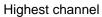
Middle channel

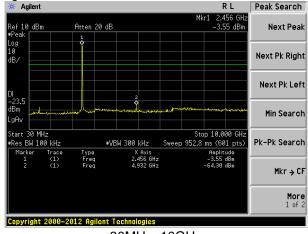


30MHz~10GHz

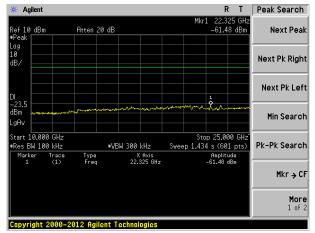


10GHz~25GHz





30MHz~10GHz



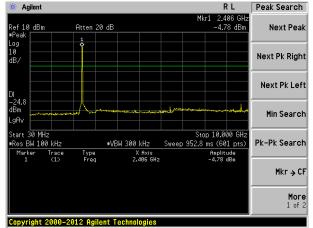
10GHz~25GHz



Test mode:

802.11g

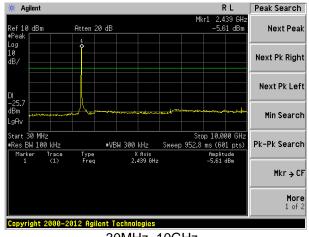




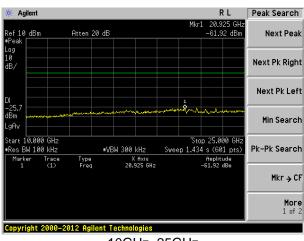
30MHz~10GHz

10GHz~25GHz

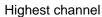
Middle channel

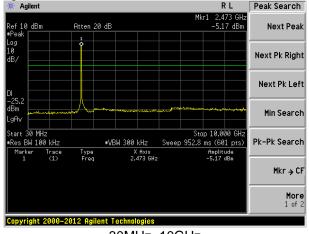


30MHz~10GHz

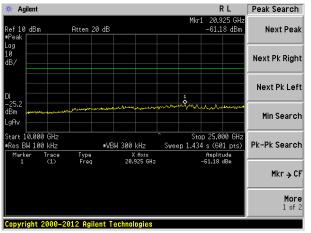


10GHz~25GHz





30MHz~10GHz



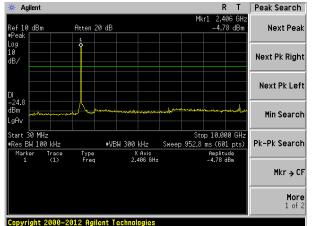
10GHz~25GHz



Test mode:

802.11n(HT20)

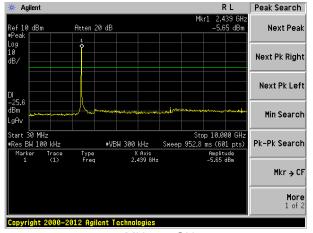
Lowest channel



30MHz~10GHz

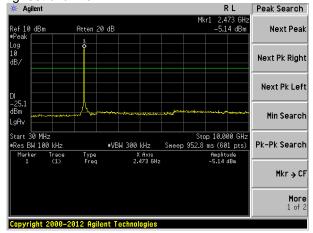
Copyright 2000-

Middle channel

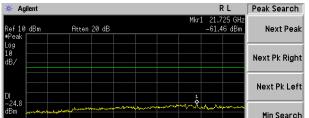


30MHz~10GHz

Highest channel

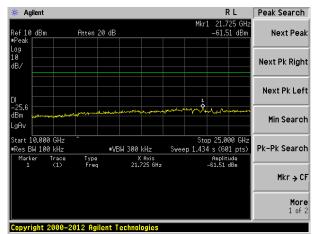


30MHz~10GHz

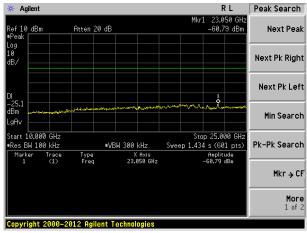




10GHz~25GHz



10GHz~25GHz



10GHz~25GHz



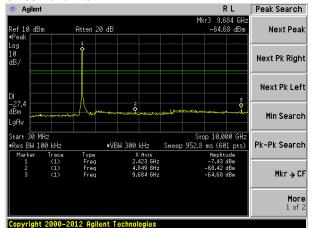
Peak Search

Test mode:

802.11n(HT40)

Agilent

Lowest channel

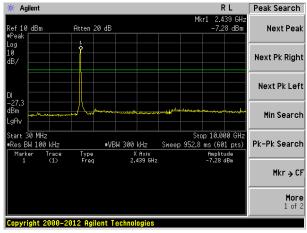


30MHz~10GHz

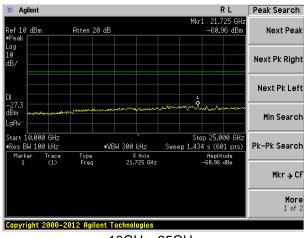
20.625 GH: -61.37 dBm Next Peak Ref 10 dBm Atten 20 dB Next Pk Right Next Pk Left Min Search Stop 25.000 GH: Sweep 1.434 s (601 pts) Start 10.000 GHz #VBW 300 kHz Pk-Pk Search Res BW 100 kHz Type Freq Amplitude -61.37 dBm X Axis 20.625 GHz Mkr → CF More 1 of 2 Copyright 2000-2012 Agilent Technologies

10GHz~25GHz

Middle channel

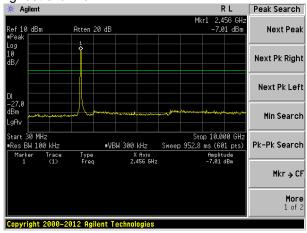


30MHz~10GHz

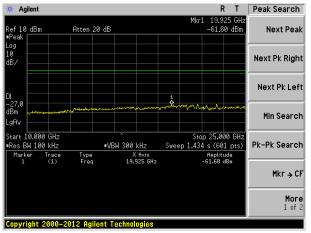


10GHz~25GHz





30MHz~10GHz



10GHz~25GHz



7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Se	ection 15.209								
Test Method:	FCC Part15 C Section 15.209 ANSI C63.4: 2003									
Test Frequency Range:	30MHz to 25GHz	30MHz to 25GHz								
Test site:	Measurement Dis	stance: 3m								
Receiver setup:	Frequency									
	30MHz-1GHz	· · · · · · · · · · · · · · · · · · ·								
	Above 1GHz	Above 1GHz Peak 1MHz 3MHz Peak								
	Above Toriz	Peak 1MHz 10Hz Avera								
Limit:	Frequen	icy	_imit (dBuV	/m @3m)	Value					
	30MHz-88	MHz	40.0	0	Quasi-peak					
	88MHz-216	6MHz	43.5	0	Quasi-peak					
	216MHz-96	216MHz-960MHz 46.00 Quasi-peak								
	960MHz-1	960MHz-1GHz 54.00 Quasi-peak								
	Above 10	Above 1GHz 54.00 Average								
	74.00 Peak									
	Tum 0.8m Table 0.8m Above 1GHz	4m		Search Antenna RF Test Receiver						
	Above 1GHz Antenna Tower Horn Antenna Spectrum Analyzer Turn Table Amplifier									
Test Procedure:	1. The EUT was	placed on the	top of a rota	ating table 0	.8 meters above					

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	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.
	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, quasi- peak 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
35.38	53.00	14.39	0.61	32.06	35.94	40.00	-4.06	Vertical
45.38	49.35	15.54	0.72	32.00	33.61	40.00	-6.39	Vertical
66.03	53.75	12.30	0.91	31.90	35.06	40.00	-4.94	Vertical
164.91	59.27	10.82	1.66	32.03	39.72	43.50	-3.78	Vertical
197.89	57.32	12.57	1.83	32.13	39.59	43.50	-3.91	Vertical
429.52	47.83	17.51	2.99	31.79	36.54	46.00	-9.46	Vertical
66.03	52.48	12.30	0.91	31.90	33.79	40.00	-6.21	Horizontal
98.83	45.93	15.10	1.18	31.76	30.45	43.50	-13.05	Horizontal
164.91	59.53	10.82	1.66	32.03	39.98	43.50	-3.52	Horizontal
197.89	55.73	12.57	1.83	32.13	38.00	43.50	-5.50	Horizontal
396.24	53.36	16.97	2.83	31.90	41.26	46.00	-4.74	Horizontal
429.52	53.69	17.51	2.99	31.79	42.40	46.00	-3.60	Horizontal



■ Above 1GHz

Test mode:	de: 802.11b			Toot	Test channel: Lower			
		002.110		rest	CHAITHEL.	LO	vv c S l	
Peak value: Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line	I I imit	polarization
4824.00	38.41	31.79	8.62	32.10	46.72	74.00	-27.28	Vertical
7236.00	32.17	36.19	11.68	31.97	48.07	74.00	-25.93	Vertical
9648.00	32.16	38.07	14.16	31.56	52.83	74.00	-21.17	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	37.65	31.79	8.62	32.10	45.96	74.00	-28.04	Horizontal
7236.00	31.86	36.19	11.68	31.97	47.76	74.00	-26.24	Horizontal
9648.00	31.34	38.07	14.16	31.56	52.01	74.00	-21.99	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	I imit	polarization
4824.00	26.65	31.79	8.62	32.10	34.96	54.00	-19.04	Vertical
7236.00	20.72	36.19	11.68	31.97	36.62	54.00	-17.38	Vertical
9648.00	20.80	38.07	14.16	31.56	41.47	54.00	-12.53	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	25.94	31.79	8.62	32.10	34.25	54.00	-19.75	Horizontal
7236.00	20.26	36.19	11.68	31.97	36.16	54.00	-17.84	Horizontal
9648.00	19.70	38.07	14.16	31.56	40.37	54.00	-13.63	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal

Remark:

16884.00

Horizontal

54.00

^{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		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	38.76	31.85	8.66	32.12	47.15	74.00	-26.85	Vertical
7311.00	33.29	36.37	11.71	31.91	49.46	74.00	-24.54	Vertical
9748.00	32.26	38.27	14.25	31.56	53.22	74.00	-20.78	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.26	31.85	8.66	32.12	47.65	74.00	-26.35	Horizontal
7311.00	31.87	36.37	11.71	31.91	48.04	74.00	-25.96	Horizontal
9748.00	31.80	38.27	14.25	31.56	52.76	74.00	-21.24	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	28.08	31.85	8.66	32.12	36.47	54.00	-17.53	Vertical
7311.00	20.64	36.37	11.71	31.91	36.81	54.00	-17.19	Vertical
9748.00	21.01	38.27	14.25	31.56	41.97	54.00	-12.03	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	27.90	31.85	8.66	32.12	36.29	54.00	-17.71	Horizontal
7311.00	20.08	36.37	11.71	31.91	36.25	54.00	-17.75	Horizontal
9748.00	21.26	38.27	14.25	31.56	42.22	54.00	-11.78	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:		802.11b		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	42.02	31.90	8.70	32.15	50.47	74.00	-23.53	Vertical
7386.00	32.53	36.49	11.76	31.83	48.95	74.00	-25.05	Vertical
9848.00	34.53	38.62	14.31	31.77	55.69	74.00	-18.31	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	41.70	31.90	8.70	32.15	50.15	74.00	-23.85	Horizontal
7386.00	31.55	36.49	11.76	31.83	47.97	74.00	-26.03	Horizontal
9848.00	30.43	38.62	14.31	31.77	51.59	74.00	-22.41	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	31.58	31.90	8.70	32.15	40.03	54.00	-13.97	Vertical
7386.00	21.53	36.49	11.76	31.83	37.95	54.00	-16.05	Vertical
9848.00	22.57	38.62	14.31	31.77	43.73	54.00	-10.27	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	30.71	31.90	8.70	32.15	39.16	54.00	-14.84	Horizontal
7386.00	20.10	36.49	11.76	31.83	36.52	54.00	-17.48	Horizontal
9848.00	19.47	38.62	14.31	31.77	40.63	54.00	-13.37	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		Test	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	39.02	31.79	8.62	32.10	47.33	74.00	-26.67	Vertical
7236.00	32.75	36.19	11.68	31.97	48.65	74.00	-25.35	Vertical
9648.00	32.84	38.07	14.16	31.56	53.51	74.00	-20.49	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.20	31.79	8.62	32.10	46.51	74.00	-27.49	Horizontal
7236.00	32.50	36.19	11.68	31.97	48.40	74.00	-25.60	Horizontal
9648.00	31.93	38.07	14.16	31.56	52.60	74.00	-21.40	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)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	27.19	31.79	8.62	32.10	35.50	54.00	-18.50	Vertical
7236.00	21.21	36.19	11.68	31.97	37.11	54.00	-16.89	Vertical
9648.00	21.41	38.07	14.16	31.56	42.08	54.00	-11.92	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertica
4824.00	26.56	31.79	8.62	32.10	34.87	54.00	-19.13	Horizontal
7236.00	20.81	36.19	11.68	31.97	36.71	54.00	-17.29	Horizontal
9648.00	20.33	38.07	14.16	31.56	41.00	54.00	-13.00	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

^{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	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	39.30	31.85	8.66	32.12	47.69	74.00	-26.31	Vertical
7311.00	33.78	36.37	11.71	31.91	49.95	74.00	-24.05	Vertical
9748.00	32.87	38.27	14.25	31.56	53.83	74.00	-20.17	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.88	31.85	8.66	32.12	48.27	74.00	-25.73	Horizontal
7311.00	32.42	36.37	11.71	31.91	48.59	74.00	-25.41	Horizontal
9748.00	32.43	38.27	14.25	31.56	53.39	74.00	-20.61	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	28.69	31.85	8.66	32.12	37.08	54.00	-16.92	Vertical
7311.00	21.22	36.37	11.71	31.91	37.39	54.00	-16.61	Vertical
9748.00	21.69	38.27	14.25	31.56	42.65	54.00	-11.35	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	28.45	31.85	8.66	32.12	36.84	54.00	-17.16	Horizontal
7311.00	20.72	36.37	11.71	31.91	36.89	54.00	-17.11	Horizontal
9748.00	21.85	38.27	14.25	31.56	42.81	54.00	-11.19	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:		802.11g		Tes	st 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	42.44	31.90	8.70	32.15	50.89	74.00	-23.11	Vertical
7386.00	33.12	36.49	11.76	31.83	49.54	74.00	-24.46	Vertical
9848.00	35.01	38.62	14.31	31.77	56.17	74.00	-17.83	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	42.16	31.90	8.70	32.15	50.61	74.00	-23.39	Horizontal
7386.00	32.16	36.49	11.76	31.83	48.58	74.00	-25.42	Horizontal
9848.00	30.96	38.62	14.31	31.77	52.12	74.00	-21.88	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	32.09	31.90	8.70	32.15	40.54	54.00	-13.46	Vertical
7386.00	22.10	36.49	11.76	31.83	38.52	54.00	-15.48	Vertical
9848.00	23.06	38.62	14.31	31.77	44.22	54.00	-9.78	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	31.19	31.90	8.70	32.15	39.64	54.00	-14.36	Horizontal
7386.00	20.66	36.49	11.76	31.83	37.08	54.00	-16.92	Horizontal
9848.00	19.94	38.62	14.31	31.77	41.10	54.00	-12.90	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

^{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)	Te	st channel:	Lowe	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	1 4//41	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	38.92	31.79	8.62	32.10	47.23	74.00	-26.77	Vertical
7236.00	32.74	36.19	11.68	31.97	48.64	74.00	-25.36	Vertical
9648.00	32.65	38.07	14.16	31.56	53.32	74.00	-20.68	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.13	31.79	8.62	32.10	46.44	74.00	-27.56	Horizontal
7236.00	32.42	36.19	11.68	31.97	48.32	74.00	-25.68	Horizontal
9648.00	31.81	38.07	14.16	31.56	52.48	74.00	-21.52	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)	1 404	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	27.07	31.79	8.62	32.10	35.38	54.00	-18.62	Vertical
7236.00	21.31	36.19	11.68	31.97	37.21	54.00	-16.79	Vertical
9648.00	21.28	38.07	14.16	31.56	41.95	54.00	-12.05	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	26.40	31.79	8.62	32.10	34.71	54.00	-19.29	Horizontal
7236.00	20.87	36.19	11.68	31.97	36.77	54.00	-17.23	Horizontal
9648.00	20.23	38.07	14.16	31.56	40.90	54.00	-13.10	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					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:		Midd	le	
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor dB)	Level (dBuV/m)	Limit (dBu)		Over Limit (dB)	polarization
4874.00	39.31	31.85	8.66	32	2.12	47.70	74.	00	-26.30	Vertical
7311.00	33.72	36.37	11.71	31	.91	49.89	74.	00	-24.11	Vertical
9748.00	32.84	38.27	14.25	31	.56	53.80	74.	00	-20.20	Vertical
12185.00	*						74.	00		Vertical
14622.00	*						74.	00		Vertical
17059.00	*						74.	00		Vertical
4874.00	39.72	31.85	8.66	32	2.12	48.11	74.	00	-25.89	Horizontal
7311.00	32.36	36.37	11.71	31	.91	48.53	74.	00	-25.47	Horizontal
9748.00	32.33	38.27	14.25	31	.56	53.29	74.	00	-20.71	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)	Fa	amp ctor dB)	Level (dBuV/m)	Limit (dBu		Over Limit (dB)	polarization
4874.00	28.59	31.85	8.66	32	2.12	36.98	54.	00	-17.02	Vertical
7311.00	21.11	36.37	11.71	31	.91	37.28	54.	00	-16.72	Vertical
9748.00	21.55	38.27	14.25	31	.56	42.51	54.	00	-11.49	Vertical
12185.00	*						54.	00		Vertical
14622.00	*						54.	00		Vertical
17059.00	*						54.	00		Vertical
4874.00	28.38	31.85	8.66	32	2.12	36.77	54.	00	-17.23	Horizontal
7311.00	20.68	36.37	11.71	31	.91	36.85	54.	00	-17.15	Horizontal
9748.00	21.81	38.27	14.25	31	.56	42.77	54.	00	-11.23	Horizontal
12185.00	*						54.	00		Horizontal
14622.00	*						54.	00		Horizontal
17059.00	*						54.	00		Horizontal

^{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	T20)	Test	channel:	Highe	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	42.53	31.90	8.70	32.15	50.98	74.00	-23.02	Vertical
7386.00	33.00	36.49	11.76	31.83	49.42	74.00	-24.58	Vertical
9848.00	35.07	38.62	14.31	31.77	56.23	74.00	-17.77	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	42.18	31.90	8.70	32.15	50.63	74.00	-23.37	Horizontal
7386.00	32.15	36.49	11.76	31.83	48.57	74.00	-25.43	Horizontal
9848.00	30.98	38.62	14.31	31.77	52.14	74.00	-21.86	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	32.13	31.90	8.70	32.15	40.58	54.00	-13.42	Vertical
7386.00	21.96	36.49	11.76	31.83	38.38	54.00	-15.62	Vertical
9848.00	23.15	38.62	14.31	31.77	44.31	54.00	-9.69	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	31.17	31.90	8.70	32.15	39.62	54.00	-14.38	Horizontal
7386.00	20.59	36.49	11.76	31.83	37.01	54.00	-16.99	Horizontal
9848.00	20.00	38.62	14.31	31.77	41.16	54.00	-12.84	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*			-		54.00		Horizontal

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)	Te	est channel:	Lowest		
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Factor (dB)	'	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	38.76	31.81	8.63	32.11	47.09	74.00	-26.91	Vertical
7266.00	32.58	36.28	11.69	31.94	48.61	74.00	-25.39	Vertical
9688.00	32.62	38.13	14.21	31.52	53.44	74.00	-20.56	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4844.00	38.06	31.81	8.63	32.11	46.39	74.00	-27.61	Horizontal
7266.00	32.23	36.28	11.69	31.94	48.26	74.00	-25.74	Horizontal
9688.00	31.81	38.13	14.21	31.52	52.63	74.00	-21.37	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 Factor (dB)		Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	27.05	31.81	8.63	32.11	35.38	54.00	-18.62	Vertical
7266.00	21.10	36.28	11.69	31.94	37.13	54.00	-16.87	Vertical
9688.00	21.26	38.13	14.21	31.52	42.08	54.00	-11.92	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	26.36	31.81	8.63	32.11	34.69	54.00	-19.31	Horizontal
7266.00	20.62	36.28	11.69	31.94	36.65	54.00	-17.35	Horizontal
9688.00	20.15	38.13	14.21	31.52	40.97	54.00	-13.03	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)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	39.16	31.85	8.66	32.12	47.55	74.00	-26.45	Vertical
7311.00	33.67	36.37	11.71	31.91	49.84	74.00	-24.16	Vertical
9748.00	32.72	38.27	14.25	31.56	53.68	74.00	-20.32	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.68	31.85	8.66	32.12	48.07	74.00	-25.93	Horizontal
7311.00	32.23	36.37	11.71	31.91	48.40	74.00	-25.60	Horizontal
9748.00	32.25	38.27	14.25	31.56	53.21	74.00	-20.79	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	28.43	31.85	8.66	32.12	36.82	54.00	-17.18	Vertical
7311.00	21.05	36.37	11.71	31.91	37.22	54.00	-16.78	Vertical
9748.00	21.47	38.27	14.25	31.56	42.43	54.00	-11.57	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	28.31	31.85	8.66	32.12	36.70	54.00	-17.30	Horizontal
7311.00	20.45	36.37	11.71	31.91	36.62	54.00	-17.38	Horizontal
9748.00	21.73	38.27	14.25	31.56	42.69	54.00	-11.31	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

^{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)	Test channel:		Highest		
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Factor (dB)	1 6//61	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	42.49	31.88	8.68	32.13	50.92	74.00	-23.08	Vertical
7356.00	33.06	36.45	11.75	31.86	49.40	74.00	-24.60	Vertical
9808.00	34.88	38.43	14.29	31.68	55.92	74.00	-18.08	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	42.06	31.88	8.68	32.13	50.49	74.00	-23.51	Horizontal
7356.00	31.96	36.45	11.75	31.86	48.30	74.00	-25.70	Horizontal
9808.00	30.71	38.43	14.29	31.68	51.75	74.00	-22.25	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)	Pream Factor (dB)	1 400	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	31.94	31.88	8.68	32.13	40.37	54.00	-13.63	Vertical
7356.00	21.94	36.45	11.75	31.86	38.28	54.00	-15.72	Vertical
9808.00	22.85	38.43	14.29	31.68	43.89	54.00	-10.11	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	31.18	31.88	8.68	32.13	39.61	54.00	-14.39	Horizontal
7356.00	20.63	36.45	11.75	31.86	36.97	54.00	-17.03	Horizontal
9808.00	19.82	38.43	14.29	31.68	40.86	54.00	-13.14	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.