

🥇 Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE161105104

FCC REPORT

Applicant: i-Mobile Technology Corporation

Address of Applicant: 3F #8 Alley 15 Lane 120 Sec. 1 Neihu Road, Neihu District,

Taipei City 114, Taiwan

Equipment Under Test (EUT)

Product Name: Tablet PC

Model No.: IB-10

Trade mark: @mobile

FCC ID: XZO-IB10

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

Date of sample receipt: 24 Nov., 2016

Date of Test: 24 Nov., 2016 to 16 Jan., 2018

Date of report issued: 17 Jan., 2018

Test Result: PASS*

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

Authorized Signature:



Bruce Zhang Laboratory Manager

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

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	17 Jan., 2018	Original

Tested by: 17 Jan., 2018

Test Engineer

Reviewed by: Date: 17 Jan., 2018

Project Engineer



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4 Test Summary

Test Items	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
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Conducted and Radiated Spurious Emission	15.205/15.209	Pass
Pass: The EUT complies with the essential require	ements in the standard.	



5 General Information

5.1 Client Information

Applicant:	i-Mobile Technology Corporation
Address:	3F #8 Alley 15 Lane 120 Sec. 1 Neihu Road, Neihu District, Taipei City 114, Taiwan
Manufacturer/Factory:	i-Mobile Technology Corporation
Address:	3F #8 Alley 15 Lane 120 Sec. 1 Neihu Road, Neihu District, Taipei City 114, Taiwan

5.2 General Description of E.U.T.

	,
Product Name:	Tablet PC
Model No.:	IB-10
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20)) 2422MHz~2452MHz (802.11n(H40))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20) 7 for 802.11n(H40)
Channel separation:	5MHz
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	Internal Antenna
Antenna gain:	1.68 dBi
Power supply:	Rechargeable Li-ion Battery DC10.8V/3400mAh x 2
AC adapter :	Model: ATS065S-P160 Input: AC100-240V, 50/60Hz, 1.4A Output: DC 16V, 4.07A

Operation Frequency each of channel for 802.11b/g/n(H20)									
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:

- 1. For 802.11n-HT40 mode, the channel number is from 3 to 9;
- 2. Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 as Lowest, Middle and Highest channel, Channel; 3, 6 & 9 selected for 802.11n-HT40 as Lowest, Middle and Highest channel, Channel.

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



Peport No: CCISE161105104

5.3 Test environment and test mode

Operating Environment:					
Temperature:	24.0 °C				
Humidity:	54 % RH				
Atmospheric Pressure:	1010 mbar				
Test mode:	Test mode:				

Transmitting mode	Keep t	the EUT	in continuous	transmitting with modulation	าก
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The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

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:

0 1					
Per-scan all kind of data rate, the follow list were the worst case.					
Mode Data rate					
802.11b	1Mbps				
802.11g	6Mbps				
802.11n(H20)	6.5Mbps				
802.11n(H40)	13.5Mbps				

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

Items	Expanded Uncertainty (Confidence of 95%)		
Conducted Emission (9kHz ~ 30MHz)	2.14 dB (k=2)		
Radiated Emission (9kHz ~ 30MHz)	4.24 dB (k=2)		
Radiated Emission (30MHz ~ 1000MHz)	4.35 dB (k=2)		
Radiated Emission (1GHz ~ 18GHz)	4.44 dB (k=2)		
Radiated Emission (18GHz ~ 26.5GHz)	4.56 dB (k=2)		

5.6 Laboratory Facility

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

FCC - Registration No.: 727551

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The Registration No. is 727551.

IC - Registration No.: 10106A-1

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

CNAS - Registration No.: CNAS L6048

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

A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
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Report No: CCISE161105104

5.7 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

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

Bao'an District, Shenzhen, Guangdong, China Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

5.8 Test Instruments list

Radia	Radiated Emission:								
Item	Test Equipment	Manufacturer	Manufacturer Model No.		Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)			
1	3m SAC	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017			
2	BiConiLog Antenna	SCHWARZBECK	VULB9163	CCIS0005	03-25-2016	03-25-2017			
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	03-25-2016	03-25-2017			
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2016	03-31-2017			
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2016	03-31-2017			
6	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2016	03-31-2017			
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2016	03-31-2017			
8	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	03-28-2016	03-28-2017			
9	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	03-28-2016	03-28-2017			
10	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2016	03-31-2017			
11	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			
12	Coaxial Cable	N/A	N/A	CCIS0018	04-01-2016	03-31-2017			
13	Coaxial Cable	N/A	N/A	CCIS0020	04-01-2016	03-31-2017			

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	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	08-23-2014	08-22-2017				
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	03-24-2016	03-24-2017				
3	LISN	CHASE	MN2050D	CCIS0074	03-26-2016	03-26-2017				
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2016	03-31-2017				
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A				



6 Test results and Measurement Data

6.1 Antenna requirement

Standard requirement:

FCC Part 15 C Section 15.203 /247(c)

15.203 requirement:

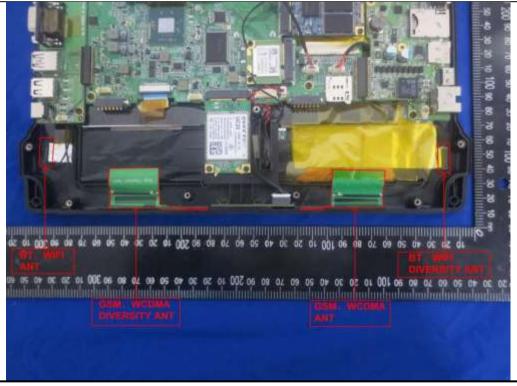
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 WiFi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is 1.68 dBi.







6.2 Conducted Emission

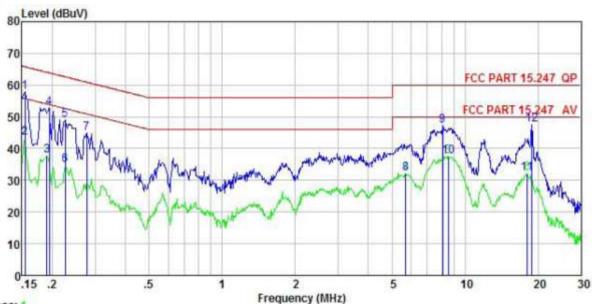
Test Requirement:	FCC Part 15 C Section 1	5.207						
Test Method:	ANSI C63.10: 2013							
Test Frequency Range:	150 kHz to 30 MHz							
	Class B							
Class / Severity:								
Receiver setup:	RBW=9 kHz, VBW=30 k		ID 10					
Limit:	Frequency range (MHz)	Limit (•					
	0.15-0.5	Quasi-peak 66 to 56*	Average 56 to 46*					
	0.5-5	56	46					
	5-30	60	50					
	* Decreases with the log	arithm of the frequency.						
Test procedure	line impedance stab 50ohm/50uH coupling 2. The peripheral device a LISN that provides termination. (Please photographs). 3. Both sides of A.C. light interference. In order positions of equipments	a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).						
Test setup:	AUX Equipment Test table/Insula Remark E.U.T. Equipment Under LISN Line Impedence St. Test table height=0.8m	E.U.T EMI Receiver	Iter — AC power					
Test Instruments:	Refer to section 5.8 for d	etails						
Test mode:	Refer to section 5.3 for d	etails						
Test results:	Passed							





Measurement Data:

Neutral:



Trace: 1

Site

: CCIS Shielding Room : FCC PART 15.247 QP LISN(RS) NEUTRAL : Tablet PC Condition

EUT Model : IB-10 Test Mode : WIFI mode Power Rating : AC120V/60Hz

Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT

Remark

TOMALK	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	₫₿	₫₿	dBu₹	dBu∜	dB	*********
1	0.154	46.29	0.70	10.78	57.77	65.78	-8.01	QP
1 2 3 4 5 6 7 8 9	0.154	32.03	0.70	10.78	43.51	65.78	-22.27	Average
3	0.190	26.39	0.66	10.76	37.81			Average
4	0.194	41.51	0.66	10.76	52.93	63.84	-10.91	QP
5	0.226	37.64	0.66	10.75	49.05	62.61	-13.56	QP
6	0.226	23.41	0.66	10.75	34.82	62.61	-27.79	Average
7	0.277	33.50	0.65	10.74	44.89	60.90	-16.01	QP
8	5.683	20.62	0.70	10.83	32.15	60.00	-27.85	Average
9	8.105	35.60	0.70	10.86	47.16	60.00	-12.84	QP
10	8.546	25.87	0.69	10.88	37.44	60.00	-22.56	Average
11	18.039	20.50	0.69	10.92	32.11	60.00	-27.89	Average
12	18.820	35.84	0.69	10.92	47.45	60.00	-12.55	QP

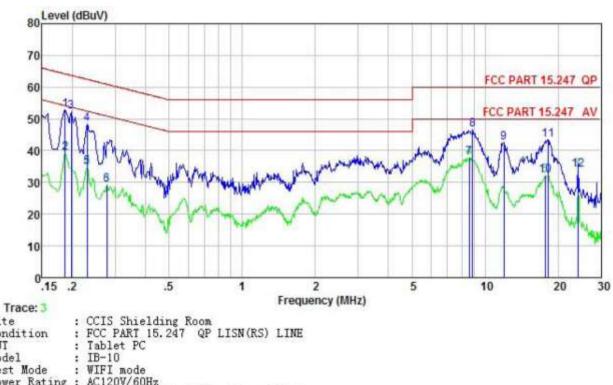
Notes:

- 1. An initial pre-scan was performed on the live 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.





Line:



Site

Condition

EUT Model Test Mode Power Rating : AC120V/60Hz

Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT

Kemark								
	Freq	Read Level	LISN Factor	Cable Loss		Limit Line	Over Limit	Remark
	MHz	dBuV	<u>dB</u>	₫B	dBu∀	₫₿u₹	₫B	
1	0.186	41.40	0.73	10.76	52.89	64.20	-11.31	QP
2	0.186	27.74	0.73	10.76	39.23	54.20	-14.97	Average
3	0.198	40.74	0.73	10.76	52.23	63.71	-11.48	QP
4	0.230	36.87	0.73	10.75	48.35	62.44	-14.09	QP
1 2 3 4 5 6 7 8 9	0.230	23.37	0.73	10.75	34.85	52.44	-17.59	Average
6	0.277	17.88	0.74	10.74	29.36	50.90	-21.54	Average
7	8.592	26.14	0.72	10.88	37.74	50.00	-12.26	Average
8	8.869	34.89	0.72	10.89	46.50	60.00	-13.50	QP
9	11.933	31.01	0.71	10.92	42.64	60.00	-17.36	QP
10	17.661	20.65	0.70	10.92	32.27	50.00	-17.73	Average
11	18.232	31.70	0.70	10.92	43.32		-16.68	
12	24.142	22.49	0.70	10.88	34.07	50.00	-15.93	Average

Notes:

- 1. An initial pre-scan was performed on the live 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.



6.3 Conducted Output Power

Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)					
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 9.2.2.2					
Limit:	30dBm					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to section 5.8 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					

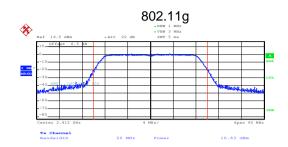
Measurement Data:

Test CH	Ma	aximum Conduct	Limit(dBm)	Result			
16St CIT	802.11b 802.11g 802.11n(H20) 802.11n(H40)				Lillit(dBill)	Nesult	
Lowest	13.13	10.83	10.76	10.00			
Middle	12.97	10.95	10.85	10.08	30.00	Pass	
Highest	13.00	11.10	11.06	11.06 9.98			



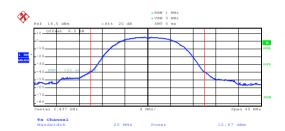
Test plot as follows:





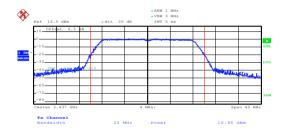
Date: 15.DEC.2016 09:34:35

Lowest channel



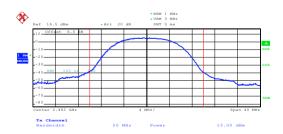
Date: 15.DEC.2016 09:37:21

Lowest channel



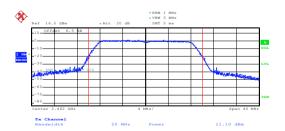
Date: 15.DEC.2016 09:35:09

Middle channel



Date: 15.DEC.2016 09:37:41

Middle channel



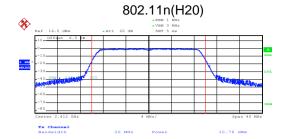
Date: 15.DEC.2016 09:35:45

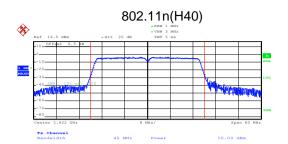
Highest channel

Date: 15.DEC.2016 09:38:03

Highest channel

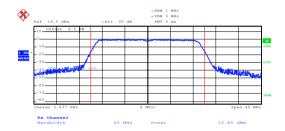






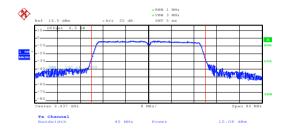
Date: 15.DEC.2016 09:38:33

Lowest channel



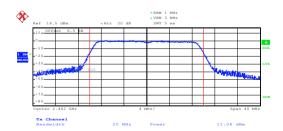
Date: 15.DEC.2016 09:40:51

Lowest channel



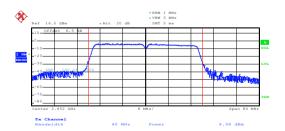
Date: 15.DEC.2016 09:39:06

Middle channel



Date: 15.DEC.2016 09:41:29

Middle channel



Date: 15.DEC.2016 09:39:25

Highest channel

Date: 15.DEC.2016 09:41:55

Highest channel





6.4 Occupy Bandwidth

Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)				
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 8.1				
Limit:	>500kHz				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

Measurement Data:

Test CH		6dB Emission Ba	Limit(kHz)	Result			
1631 011	802.11b 802.11g 802.11n(H20) 802.11n(H40)		Limit(Kriz)	rtesuit			
Lowest	9.28	16.64	17.84	36.64			
Middle	9.28	16.64	17.84	36.48 >500		Pass	
Highest	9.76	16.64	17.76	36.32			
Test CH		99% Occupy Ba	Limit(kHz)	Result			
1031 011	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(Ki iz)	Result	
Lowest	12.24	16.56	17.68	36.16			
Middle	12.32	16.56	17.68	36.16	N/A	N/A	
Highest	12.32	16.64	17.76	36.16			

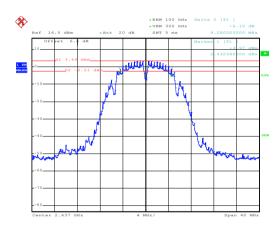


Test plot as follows:

Company of the com

Date: 15.DEC.2016 09:44:11

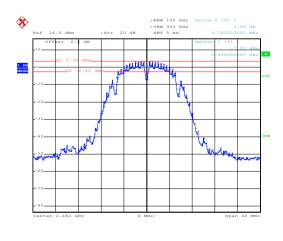
Lowest channel



Date: 15.DEC.2016 09:45:46

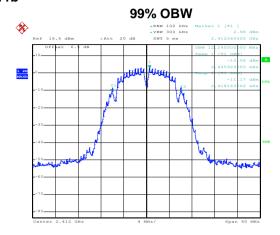
Date: 15.DEC.2016 09:47:58

Middle channel



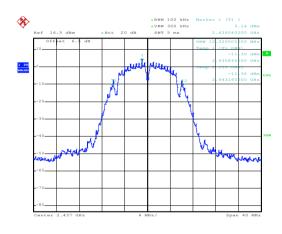
Highest channel

802.11b



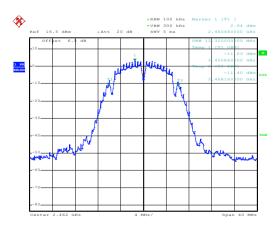
Date: 15.DEC.2016 10:07:19

Lowest channel



Date: 15.DEC.2016 10:08:14

Middle channel

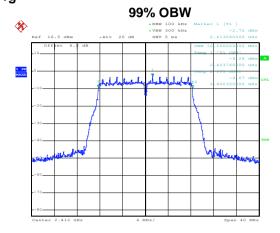


Date: 15.DEC.2016 10:08:55

Highest channel



802.11g

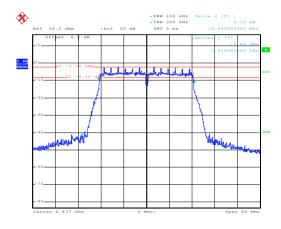


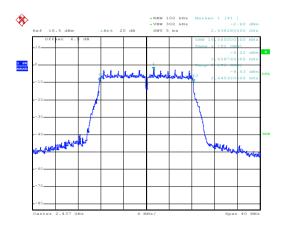
Date: 15.DEC.2016 09:50:09

Lowest channel

Date: 15.DEC.2016 10:09:29

Lowest channel





Date: 15.DEC.2016 09:52:38

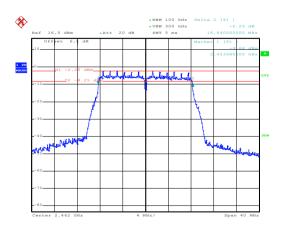
Date: 15.DEC.2016 09:54:06

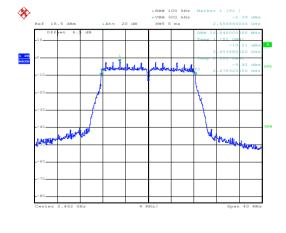
Date: 15.DEC.2016 10:09:57

Date: 15.DEC.2016 10:10:18

Middle channel

Middle channel





Highest channel

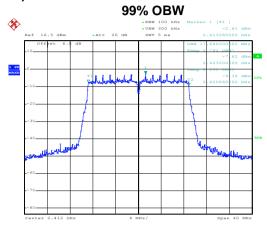
Highest channel

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
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Bao'an District, Shenzhen, Guangdong, China
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802.11n(H20)

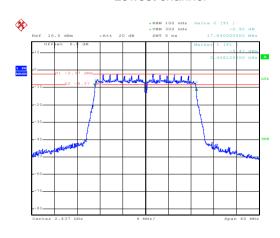
ARM 100 km Cwite 2 [T1] -0.54 dm -0.54 dm ARE 20 dm -0.54 dm ARE 20 dm -0.54 dm -0.55 dm -0.55



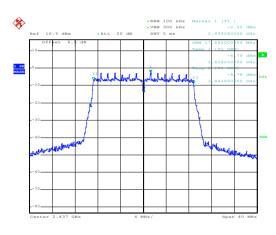
Date: 15.DEC.2016 09:55:48

Date: 15.DEC.2016 10:10:53

Lowest channel



Lowest channel

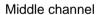


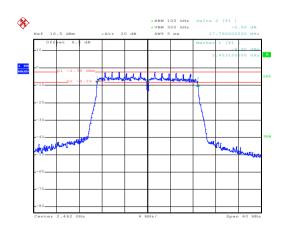
Date: 15.DEC.2016 09:57:01

Date: 15.DEC.2016 09:59:26

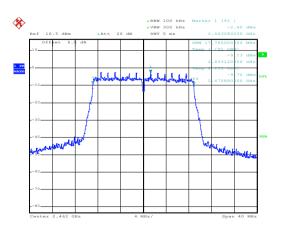
Date: 15.DEC.2016 10:11:29

Date: 15.DEC.2016 10:11:53





Middle channel



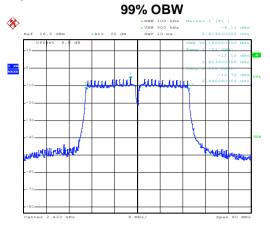
Highest channel

Highest channel

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Bao'an District, Shenzhen, Guangdong, China
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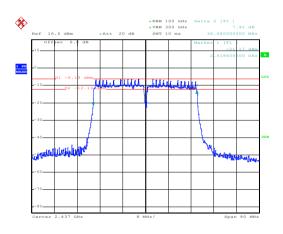
802.11n(H40)

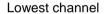


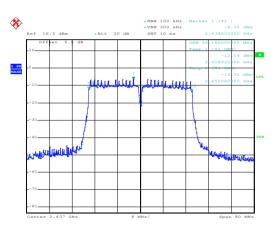
Date: 15.DEC.2016 10:01:09

Date: 15.DEC.2016 10:12:39

Lowest channel



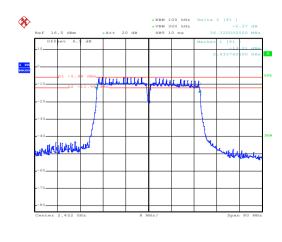




Date: 15.DEC.2016 10:04:05

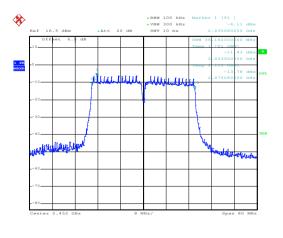
Date: 15.DEC.2016 10:05:57

Middle channel



Date: 15.DEC.2016 10:13:03

Middle channel



Date: 15.DEC.2016 10:13:31

Highest channel

Highest channel





6.5 Power Spectral Density

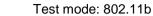
Test Requirement:	FCC Part 15 C Section 15.247 (e)					
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 10.2					
Limit:	8dBm					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to section 5.8 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					

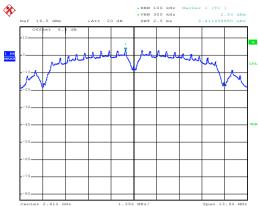
Measurement Data:

Test CH		Power Spec	Limit(dBm)	Result				
	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(dBin)	Result		
Lowest	2.93	-2.40	-2.67	-6.02				
Middle	3.24	-2.80	-2.84	-6.17	8.00	Pass		
Highest	3.27	-2.29	-2.37	-6.06				

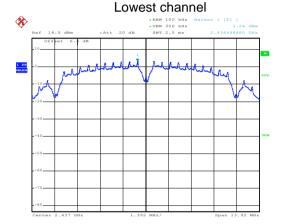


Test plot as follows:





Date: 15.DEC.2016 10:16:38

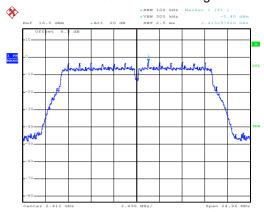


Date: 15.DEC.2016 10:17:20

Date: 15.DEC.2016 10:17:55

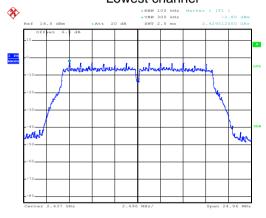
Highest channel

Test mode: 802.11g



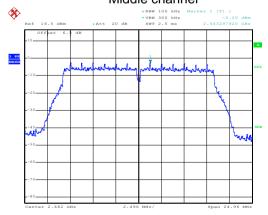
Date: 15.DEC.2016 10:18:59

Lowest channel



Date: 15.DEC.2016 10:19:26

Middle channel



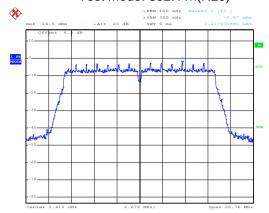
Date: 15.DEC.2016 10:20:06

Highest channel

Test mode: 802.11n(H40)



Test mode: 802.11n(H20)

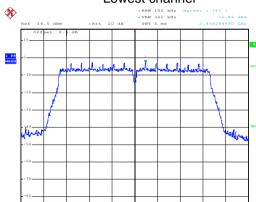


Date: 15.DEC.2016 10:24:56

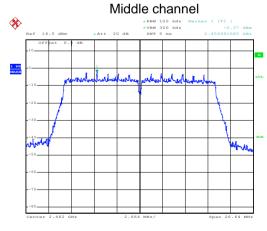
%

Date: 15.DEC.2016 10:20:55

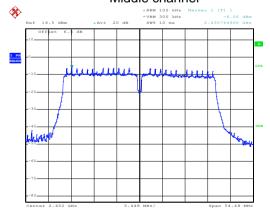
Lowest channel



Lowest channel



Middle channel



Date: 15.DEC.2016 10:23:46 Highest channel Date: 15.DEC.2016 10:26:27

Highest channel





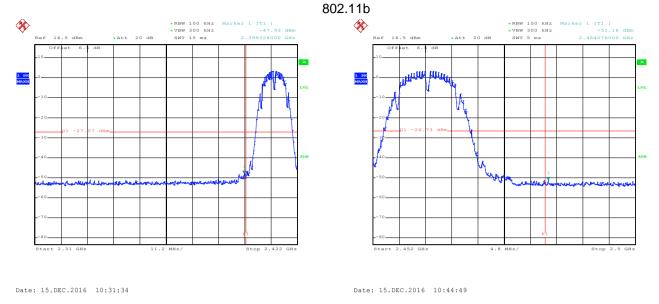
6.6 Band Edge

6.6.1 Conducted Emission Method

-						
Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 13					
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 5.8 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					

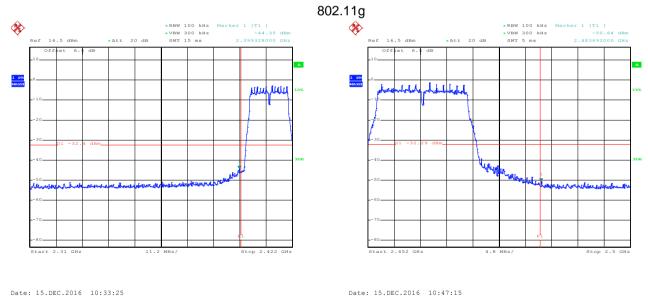


Test plot as follows:



Lowest channel

Highest channel

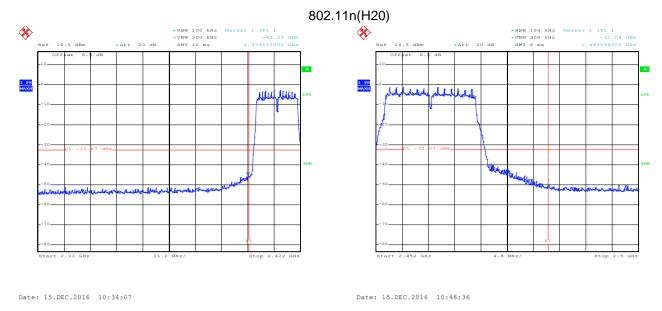


Lowest channel

Highest channel

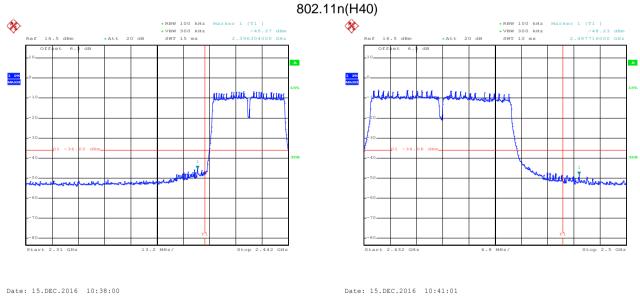






Lowest channel

Highest channel



Lowest channel

Highest channel





6.6.2 Radiated Emission Method

6.6.2	2 Radiated Emission Method								
	Test Requirement:	FCC Part 15 C Section 15.209 and 15.205							
	Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 12.1							
	Test Frequency Range:	2.3GHz to 2.5GHz							
	Test Distance:	3m							
	Receiver setup:	Frequency	Detec	tor	RBW	V	BW	Remark	
		Above 1GHz	Pea		1MHz		ИHz	Peak Value	
	129	Fraguana	RMS		1MHz nit (dBuV/m @:		ЛHz	Average Value Remark	
	Limit:	Frequenc		LIII	54.00	3111)	Δι	verage Value	
		Above 1GH	Ηz		74.00			Peak Value	
	Test setup:	 The EUT was placed on the top of a rotating table 1.5 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 							
	Test setup:	150cm	AE E	· II/	Ground Reference Plane	n Antenna	Antenna Tov	wer	
	Test Instruments:	Refer to section	5.8 for c	detail	S				
	Test mode:	Refer to section	5.3 for c	detail	S		-		
	Test results:	Passed							

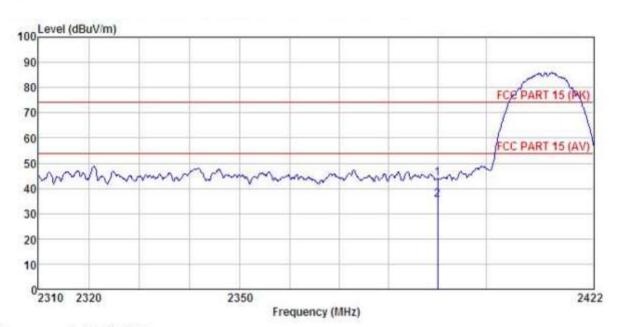




802.11b

Test channel: Lowest

Horizontal:



Site

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

Huni:55%

EUT : Tablet PC : IB-10 : B-L Mode Model Test mode Power Rating : AC120V/60Hz Environment : Temp:25.5°C

Test Engineer: Peter REMARK :

MAIN	. A	Read	Antenna	Cable	Preamp		Limit	Over	
	Freq		Factor						Remark
	MHz	dBu₹	dB/m	₫₿	₫B	dBuV/m	dBuV/m	dB	
1 2	2390,000 2390,000		23.68 23.68			43.85 35.53			Peak Average

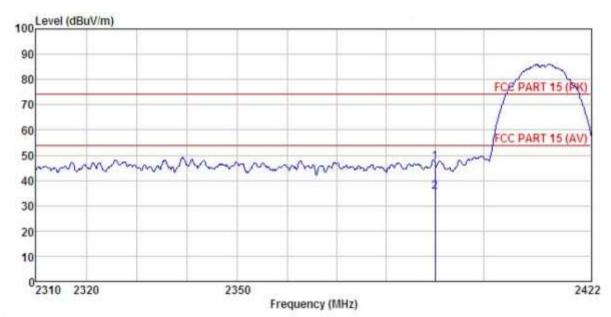
Remark:

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





Vertical:



Site

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

EUT Model : IB-10 Test mode : B-L Mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni:55%

Test Engineer: Peter

REM

MARI	K :	Read	Ant enna	Cable	Presmo		Limit	Over	
	Freq		Factor						Remark
-	MHz	dBuV	−dB/m	d₿	−−−dB	dBuV/m	dBuV/m	d₿	
1	2390.000	18.91	23.68	4.69	0.00	47.28	74.00	-26.72	Peak
2	2390,000	7.18	23. 68	4.69	0.00	35, 55	54,00	-18.45	Average

Remark:

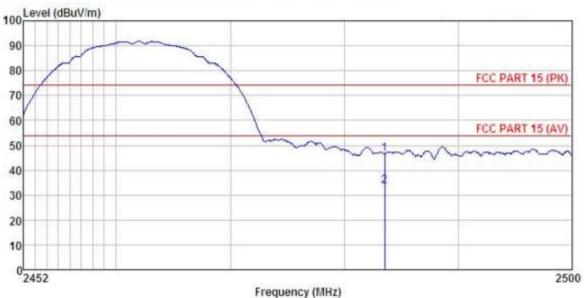
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.





Test channel: Highest

Horizontal:



Site : 3m chamber

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

EUT : IB-10 Model Test mode : B-H Mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni:55%

Test Engineer: Peter

REM

MAR	ж :	Read	Antenna	Cable	Preamp		Limit	Over	
	Freq		Factor				Line	Limit	Remark
	MHz	dBu∀	dB/m	₫₿	₫B	dBuV/m	dBuV/m	−−−dB	
1 2	2483, 500 2483, 500	TO SOUTH TO SERVICE STATE OF THE SERVICE STATE OF T					74.00 54.00		Peak Average

Remark:

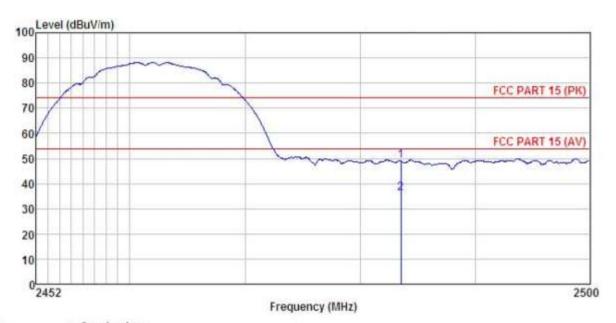
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

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Vertical:



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

EUT Model. : IB-10 Test mode : B-H Mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni:55%

Test Engineer: Peter REMARK :

Linux	7. 30.		Antenna Factor						
	MHz	dBuV	dB/m	₫B	dB	dBuV/m	dBuV/m	d₿	
1 2	2483.500 2483.500								

Remark:

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

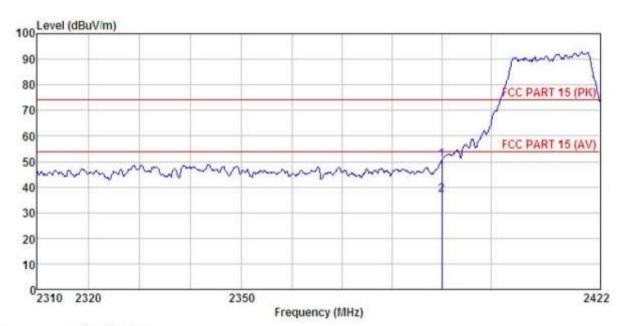




802.11g

Test channel: Lowest

Horizontal:



Site

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

EUT Model : IB-10 Test mode : G-L Mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni:55%

Test Engineer: Peter REMARK :

-		Read	ReadAntenna		Preamp		Limit	Over	
	Freq	Level dBuV	Factor dB/m				Line	Limit	Remark
	MHz				−−−dB	dBuV/m	dBuV/m	d <u>B</u>	
	2390,000 2390,000					50.48 36.72			Peak Average

Remark:

2

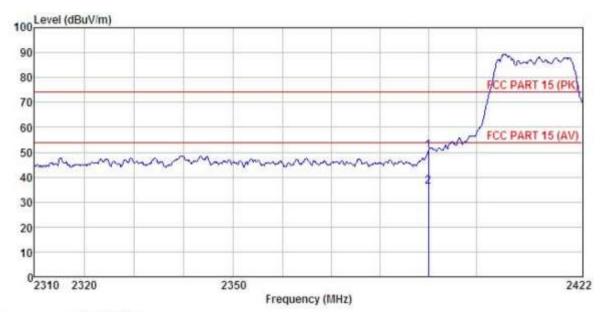
- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

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Vertical:



Site : 3m chamber

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

EUT Model : IB-10 Test mode : G-L Mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Peter REMARK :

MAR	n :								
	Freq		Antenna Factor						
3	MHz	dBu₹	dB/n	₫₿	₫B	dBuV/m	dBuV/m	₫₿	***************************************
1 2	2390.000 2390.000							-23.39 -17.65	Peak Average

Remark:

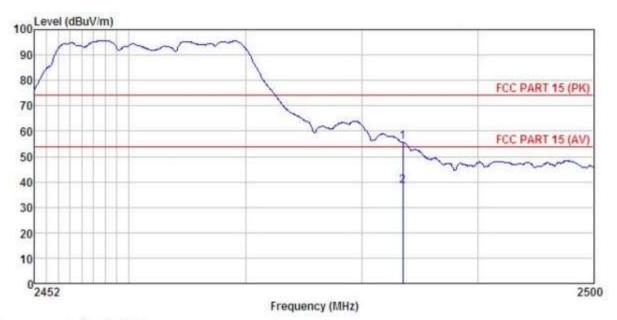
- Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor 1.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





Test channel: Highest

Horizontal:



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

EUT Model : IB-10 Test mode : G-H Mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Peter REMARK :

MAIN	un :	Read	Ant enna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	₫B	₫B	dBuV/m	dBuV/n	dB	
1 2	2483.500 2483.500								

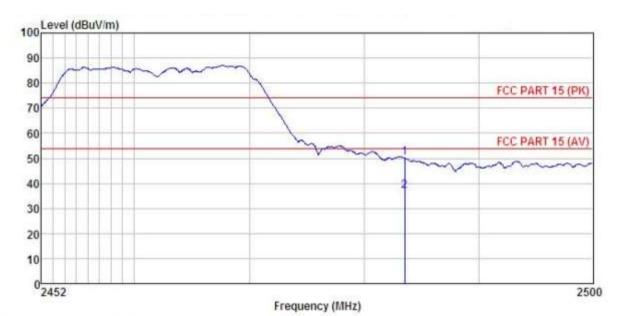
Remark:

- 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.

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Vertical:



Site

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

Model : Iablet PC

Model : IB-10

Test mode : G-H Mode

Power Rating : AC120V/60Hz

Environment : Temp:25.5°C

Test Engineer: Peter

REMARK : EUT

Huni:55%

MAI/					-				
	Freq		Antenna Factor				Limit Line		
	MHz	dBu∀	dB/m	₫B	<u>dB</u>	dBuV/m	dBuV/m	₫₿	
1	2483,500 2483,500						74.00		Peak

Remark:

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

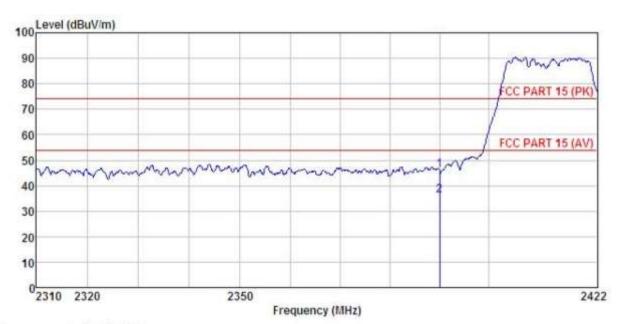




802.11n (H20)

Test channel: Lowest

Horizontal:



Site

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

EUT Model : IB-10 Test mode : N20-L Mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Peter REMARK :

BLAIR		Read	Antenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level			
-	MHz	dBu∀	$-\overline{dB/m}$	dB	dB	dBuV/m	dBuV/m	dB	
	2390.000 2390.000							-27.87 -17.98	

Remark:

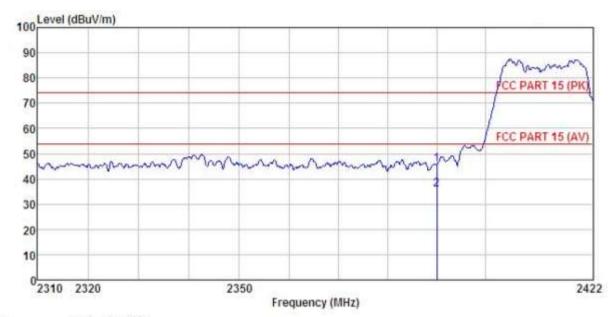
- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

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Vertical:



Site

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

EUT Model : IB-10 Test mode : N20-L Mode Power Rating : AC120V/60Hz Environment : Temp:25.5°C

Huni:55%

Test Engineer: Peter

REMARK

 	Read	ReadAnt enna		Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	₫₿	₫B	dBuV/m	dBuV/m	dB	
2390, 000 2390, 000								Peak Average

Remark:

1 2

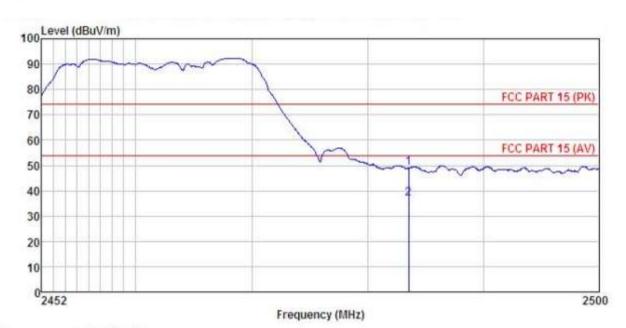
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.





Test channel: Highest

Horizontal:



Site : 3m chamber

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

EUT : IB-10 Model : N20-H Mode Test mode

Power Rating : AC120V/60Hz Environment : Temp:25.5°C Huni:55%

Test Engineer: Peter REMARK :

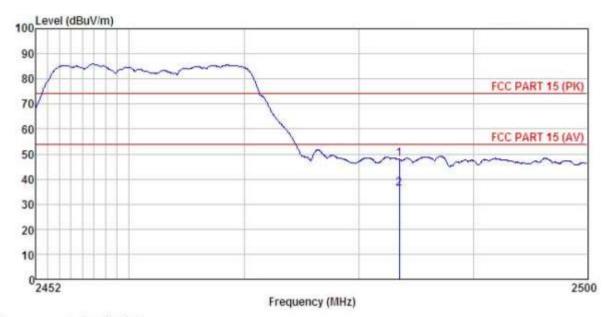
UA.	: AA								
			Ant enna				Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	₫B	₫B	dBuV/m	dBuV/m	<u>dB</u>	
	2483,500 2483,500			1.000	NEXT() 21/2 ()			-25.04 -17.20	Peak Average

Remark:

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







Site

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

EUT : Tablet PC : IB-10 : N20-H Mode Model Test mode Power Rating : AC120V/60Hz Environment : Temp:25.5°C

Huni:55%

Test Engineer: Peter

REMA

Αŀ	CK :								
	Free		Antenna						Remark
	4	LOVOL	1 40.001	2000	1 40 101	20102	Dillo	- LINE	AVOMENTAL.
	MHz	dBuV	dB/m	dB	₫B	dBuV/n	dBu√/m	dB	
New York	2483.500 2483.500		23.70	1900	0.00		0.000,000,000,000		Peak Average

Remark:

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

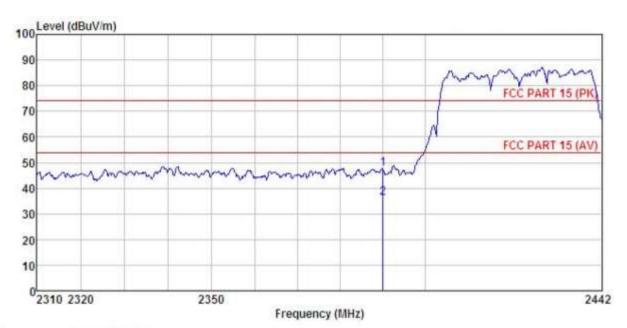




802.11n (H40)

Test channel: Lowest

Horizontal:



Site

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

EUT : Tablet PC : IB-10 Model Test mode : N40-L Mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Humi: 55%

Test Engineer: Peter REMARK :

Linux		Read	Antenna	Cable	Preamn		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	₫₿	dBuV/m	dBuV/m	₫₿	
1 2	2390,000 2390,000								

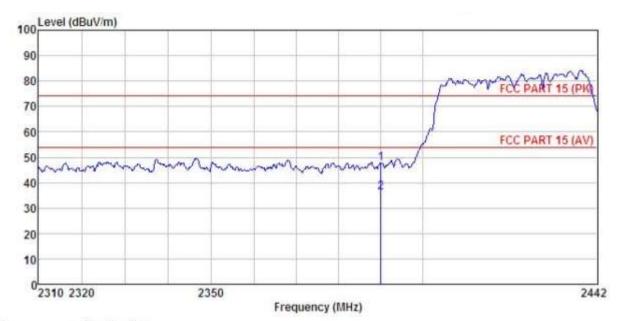
Remark:

- 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.

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366







Site : 3m chamber

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

EUT : Tablet PC
Model : IB-10
Test mode : N40-L Mode

Power Rating : AC120V/60Hz Environment : Temp:25.5°C Huni:55%

Test Engineer: Peter

REMARK

			Antenna Factor				Limit Line		Remark
	MHz	dBuV	dB/m	₫B	₫B	dBuV/n	dBuV/m	dB	
1 2	2390.000 2390.000					47.52 36.08			

Remark:

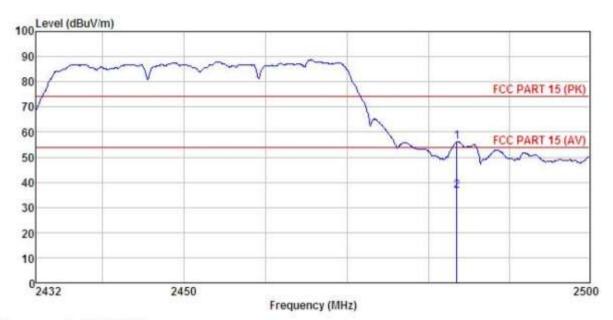
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





Test channel: Highest

Horizontal:



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

EUT : Tablet PC Model IB-10 : N40-H Mode Test mode

Power Rating : AC120V/60Hz Environment : Temp:25.5°C Huni:55%

Test Engineer: Peter REMARK :

IA.	uv :	Read	ântenna	Cable	Presmn		Limit	Over		
	Freq								Remark	
	MHz	₫₿u₹	dB/m	<u>dB</u>	₫₿	dBuV/n	dBuV/m	₫B		
27	2483.500 2483.500									

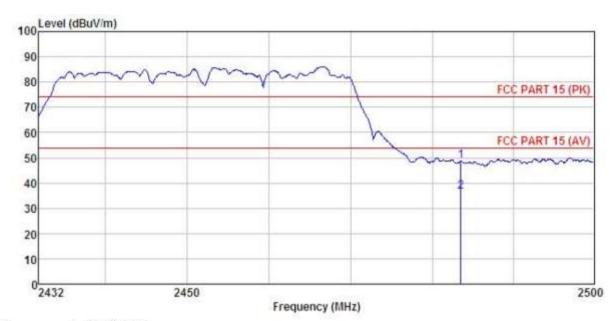
Remark:

1 2

- 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.







Site

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

EUT Model : IB-10

Test mode : N40-H Mode Power Rating : AC120V/60Hz Environment : Temp:25.5°C

Humi: 55%

Test Engineer: Peter REMARK :

LHAN	ent to	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	dB/m	dB	₫₿	dBuV/m	dBuV/m	₫₿	
1 2	2483,500 2483,500								

Remark:

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





6.7 Spurious Emission

6.7.1 Conducted Emission Method

0.7.1 Conducted Linission	
Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 11
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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

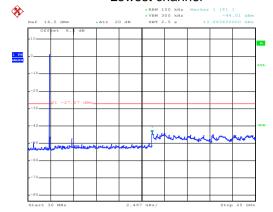




Test plot as follows:

Test mode: 802.11b

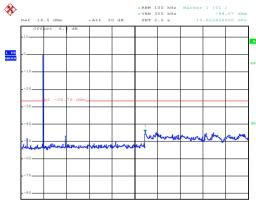
Lowest channel



Date: 15.DEC.2016 10:51:10

30MHz~25GHz

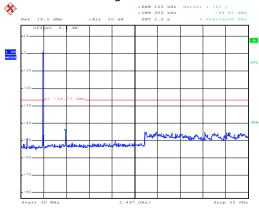
Middle channel



Date: 15.DEC.2016 10:52:02

30MHz~25GHz

Highest channel

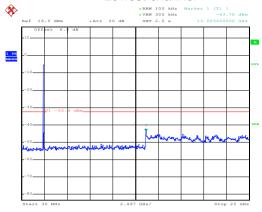


Date: 15.DEC.2016 10:53:22

30MHz~25GHz

Test mode: 802.11g

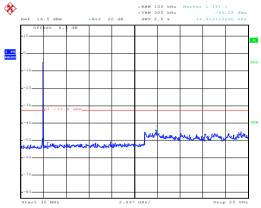
Lowest channel



Date: 15.DEC.2016 10:55:56

30MHz~25GHz

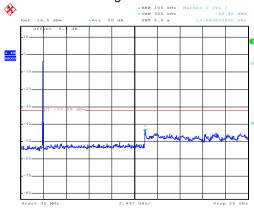
Middle channel



Date: 15.DEC.2016 10:56:16

30MHz~25GHz

Highest channel



Date: 15.DEC.2016 10:56:45

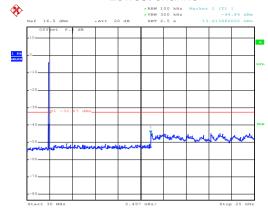
30MHz~25GHz





Test mode: 802.11n(H20)

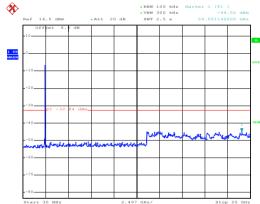
Lowest channel



Date: 15.DEC.2016 10:57:29

30MHz~25GHz

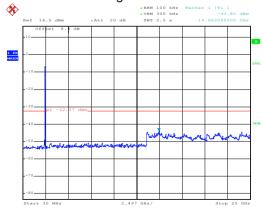
Middle channel



Date: 15.DEC.2016 10:58:15

30MHz~25GHz

Highest channel

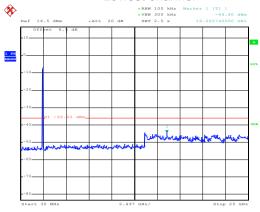


Date: 15.DEC.2016 10:58:25

30MHz~25GHz

Test mode: 802.11n(H40)

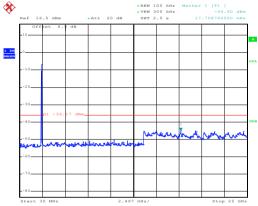
Lowest channel



Date: 15.DEC.2016 10:59:13

30MHz~25GHz

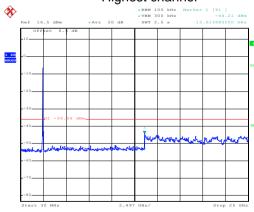
Middle channel



Date: 15.DEC.2016 10:59:47

30MHz~25GHz

Highest channel



Date: 15.DEC.2016 11:00:18

30MHz~25GHz





6.7.2 Radiated Emission Method

6.7.2	Radiated Emission Me	ethod								
	Test Requirement:	FCC Part 15 C S	ection 1	5.209	and 15.205					
	Test Method:	ANSI C63.10:201	13							
	Test Frequency Range:	ANSI C63.10:2013 9kHz to 25GHz								
	Test Distance:	3m								
	Receiver setup:	Frequency	Dete	ctor	RBW	VI	3W	Remark		
	•	30MHz-1GHz	Quasi-	peak	120KHz	300	KHz	Quasi-peak Value		
		Above 1GHz			1MHz			Peak Value		
	1 touts		RM				/IHz			
	Limit:		lz	LIIIII	`	11)	Oı			
		960MHz-1GH	z		54.0					
		Ahove 1GHz	.		54.0		1	Average Value		
					74.0			Peak Value		
		Above 1GHz Peak								
	Test setup:	Below 1GHz Antenna Tower								





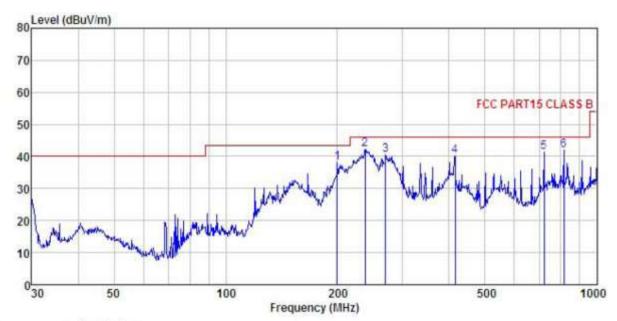
	Above 1GHz
	Horn Anlanna Antenna Tower Ground Reference Plane Test Receiver Angeler Controller
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	 Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.





Below 1GHz

Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M2G) HORIZONTAL Condition

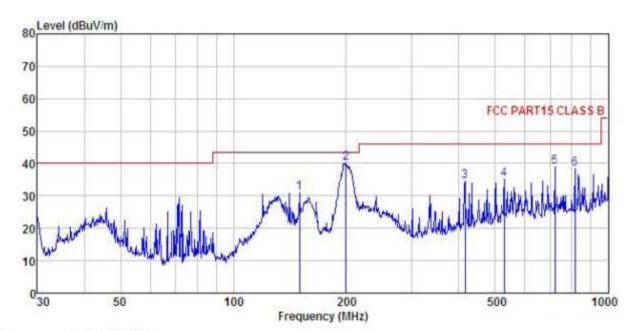
: Tablet PC : IB-10 EUT Model Test mode : WIFI Mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%

Test Engineer: YT

MAKK									
	Freq		Antenna Factor				Limit Line	Over Limit	
-	MHz	dBu∀	─dB/m	d₿	dB	dBuV/m	$\overline{dBuV/n}$	<u>d</u> B	
1 2 3	199.986	52.73	11.30	2.87	28.83	38.07	43.50	-5.43	QP
2	237.476	56.41	11.72	2.83	28.61	42.35	46.00	-3.65	QP
3	269.428	53.63	12.53	2.86	28.50	40.52	46.00	-5.48	QP
4	414.722	50.55	15.23	3.12	28.81	40.09	46.00	-5.91	QP
4 5 6	721.726	46.05	19.58	4.26	28.58	41.31	46.00	-4.69	QP
6	815.968	45.78	19.99	4.30	28.13	41.94	46.00	-4.06	QP







Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M2G) VERTICAL Condition

EUT : Tablet PC Model : IB-10 Test mode : WIFI Mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: YT REMARK :

	Freq		Antenna Factor				Limit Line	Over Limit	
	MHz	dBuV	dB/m	₫B	₫B	dBuV/a	dBuV/m	−−−−dB	
1	150.011 199.986	49.25 54.82	8.50 11.30	2.52	29. 22 28. 83			-12.45 -3.34	
3	414.722 528.246		15.23		28, 81	34.42	46.00		QP
5			19.58 19.99	4.26	28.58	38.97	46.00	-7.03 -7.71	QP



Above 1GHz

Test mode: 80	02.11b		Test char	nnel: Lowest		Remark: Peak			
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)	Polar.	
4824.00	49.56	30.94	6.81	41.82	45.49	74.00	-28.51	Vertical	
4824.00	48.26	30.94	6.81	41.82	44.19	74.00	-29.81	Horizontal	
Test	mode: 802.	11b	Test channel: Lowest			Rem	ark: Avera	age	
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)	Polar.	
4824.00	39.62	30.94	6.81	41.82	35.55	54.00	-18.45	Vertical	
4824.00 4824.00	38.59	30.94	6.81	41.82	34.52	54.00	-19.48	Horizontal	

Test mode: 8	02.11b		Test channel: Middle			Remark: Peak		
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)	Polar.
4874.00	49.77	31.20	6.85	41.84	45.98	74.00	-28.02	Vertical
4874.00	50.19	31.20	6.85	41.84	46.40	74.00	-27.60	Horizontal
Test	mode: 802.	11b	Te	st channel: M	1iddle	Rem	ark: Avera	age
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)	Polar.
4874.00	39.64	31.20	6.85	41.84	35.85	54.00	-18.15	Vertical
4874.00	38.55	31.20	6.85	41.84	34.76	54.00	-19.24	Horizontal

Test mode: 80	02.11b		Test char	nnel: Highest		Remark: Peak		
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)	Polar.
4924.00	49.57	31.46	6.89	41.86	46.06	74.00	-27.94	Vertical
4924.00	48.11	31.46	6.89	41.86	44.60	74.00	-29.40	Horizontal
Test	mode: 802.	11b	Tes	st channel: H	ighest	Rem	ark: Avera	age
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)	Polar.
4924.00	39.56	31.46	6.89	41.86	36.05	54.00	-17.95	Vertical
4924.00	38.44	31.46	6.89	41.86	34.93	54.00	-19.07	Horizontal

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.





Test mode: 80	02.11g		Test char	nel: Lowest		Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	49.85	30.94	6.81	41.82	45.78	74.00	-28.22	Vertical
4824.00	48.77	30.94	6.81	41.82	44.70	74.00	-29.30	Horizontal
Tes	t mode: 802.	.11g	Tes	t channel: Lo	west	Rem	ark: Avera	ige
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	39.56	30.94	6.81	41.82	35.49	54.00	-18.51	Vertical
4824.00	38.25	30.94	6.81	41.82	34.18	54.00	-19.82	Horizontal

Test mode: 80)2.11g		Test chan	nel: Middle		Remark: Peak			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.	
4874.00	49.18	31.20	6.85	41.84	45.39	74.00	-28.61	Vertical	
4874.00	48.77	31.20	6.85	41.84	44.98	74.00	-29.02	Horizontal	
Test	t mode: 802.	11g	Test channel: Middle			Rem	ark: Avera	age	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.	
4874.00	39.56	31.20	6.85	41.84	35.77	54.00	-18.23	Vertical	
4874.00	38.52	31.20	6.85	41.84	34.73	54.00	-19.27	Horizontal	

Test mode: 80	02.11g		Test char	nel: Highest		Remark: Peak		
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)	Polar.
4924.00	49.55	31.46	6.89	41.86	46.04	74.00	-27.96	Vertical
4924.00	49.68	31.46	6.89	41.86	46.17	74.00	-27.83	Horizontal
Tes	t mode: 802.	11g	Tes	st channel: Highest		Rem	ark: Avera	age
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)	Polar.
4924.00	39.26	31.46	6.89	41.86	35.75	54.00	-18.25	Vertical
4924.00	38.21	31.46	6.89	41.86	34.70	54.00	-19.30	Horizontal

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.





Test mode: 80	Test mode: 802.11n(H20)		Test char	nnel: Lowest		Remark: Peak		
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)	Polar.
4824.00	49.85	36.06	6.81	41.82	50.90	74.00	-23.10	Vertical
4824.00	48.55	36.06	6.81	41.82	49.60	74.00	-24.40	Horizontal
Test m	ode: 802.11	n(H20)	Te	st channel: L	owest	Rem	ark: Avera	age
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)	Polar.
4824.00	39.27	36.06	6.81	41.82	40.32	54.00	-13.68	Vertical
4824.00	38.56	36.06	6.81	41.82	39.61	54.00	-14.39	Horizontal

Test mode: 80	02.11n(H20)		Test char	nnel: Middle		Remark: Peak			
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)	Polar.	
4874.00	48.56	36.32	6.85	41.84	49.89	74.00	-24.11	Vertical	
4874.00	49.98	36.32	6.85	41.84	51.31	74.00	-22.69	Horizontal	
Test m	ode: 802.11	n(H20)	Test channel: Middle			Rem	ark: Avera	age	
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)	Polar.	
4874.00	39.58	36.32	6.85	41.84	40.91	54.00	-13.09	Vertical	
4874.00	38.55	36.32	6.85	41.84	39.88	54.00	-14.12	Horizontal	

Test mode: 80	02.11n(H20)		Test char	nnel: Highest		Remark: Peak		
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)	Polar.
4924.00	49.26	36.58	6.89	41.86	50.87	74.00	-23.13	Vertical
4924.00	48.71	36.58	6.89	41.86	50.32	74.00	-23.68	Horizontal
Test m	ode: 802.11	n(H20)	Tes	st channel: H	ighest	Rem	ark: Avera	age
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)	Polar.
4924.00	39.26	36.58	6.89	41.86	40.87	54.00	-13.13	Vertical
4924.00	38.21	36.58	6.89	41.86	39.82	54.00	-14.18	Horizontal

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.





Test mode: 80	Test mode: 802.11n(H40)		Test char	nnel: Lowest		Remark: Peak		
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)	Polar.
4844.00	49.86	36.06	6.81	41.82	50.91	74.00	-23.09	Vertical
4844.00	48.55	36.06	6.81	41.82	49.60	74.00	-24.40	Horizontal
Test m	ode: 802.11	n(H40)	Te	st channel: L	owest	Rem	ark: Avera	age
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)	Polar.
4844.00	39.62	36.06	6.81	41.82	40.67	54.00	-13.33	Vertical
4844.00	38.55	36.06	6.81	41.82	39.60	54.00	-14.40	Horizontal

Test mode: 80	02.11n(H40)		Test char	nnel: Middle		Remark: Peak		
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)	Polar.
4874.00	49.77	36.32	6.85	41.84	51.10	74.00	-22.90	Vertical
4874.00	48.59	36.32	6.85	41.84	49.92	74.00	-24.08	Horizontal
Test m	ode: 802.11	n(H40)	Te	st channel: M	1iddle	Rem	ark: Avera	age
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)	Polar.
4874.00	39.60	36.32	6.85	41.84	40.93	54.00	-13.07	Vertical
4874.00	38.55	36.32	6.85	41.84	39.88	54.00	-14.12	Horizontal

Test mode: 80	02.11n(H40)		Test char	nnel: Highest		Remark: Peak		
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)	Polar.
4904.00	49.85	36.45	6.87	41.85	51.32	74.00	-22.68	Vertical
4904.00	48.77	36.45	6.87	41.85	50.24	74.00	-23.76	Horizontal
Test m	ode: 802.11	n(H40)	Tes	st channel: H	ighest	Rem	ark: Avera	age
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)	Polar.
4904.00	39.25	36.45	6.87	41.85	40.72	54.00	-13.28	Vertical
4904.00	38.49	36.45	6.87	41.85	39.96	54.00	-14.04	Horizontal

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.