

JianYan Testing Group Shenzhen Co., Ltd.

Report No: JYTSZB-R12-2101837

FCC REPORT (WIFI)

Applicant: Sun Cupid Technology (HK) Ltd.

Address of Applicant: 16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan,

Kowloon, Hong Kong.

Equipment Under Test (EUT)

Product Name: Android PDA

Model No.: N5501LAT, A5X

Trade mark: NUU

FCC ID: 2ADINN5501LAT

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

Date of sample receipt: 03 Sep., 2021

Date of Test: 04 Sep., to 22 Oct., 2021

Date of report issued: 25 Oct., 2021

Test Result: PASS*

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 JYT 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.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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





Version

Version No.	Date	Description
00	25 Oct., 2021	Original

Mike.0U

Test Engineer Tested by: Date: 25 Oct., 2021

Reviewed by: Date: 25 Oct., 2021

Project Engineer



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4 Test Summary

Test Items	Section in CFR 47	Test Data	Result
Antenna requirement	15.203 & 15.247 (b)	See Section 6.1	Pass
AC Power Line Conducted Emission	15.207	See Section 6.2	Pass
Duty Cycle	ANSI C63.10-2013	Appendix A – 2.4G Wi-Fi	Pass
Conducted Peak Output Power	15.247 (b)(3)	Appendix A – 2.4G Wi-Fi	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A – 2.4G Wi-Fi	Pass
Power Spectral Density	15.247 (e)	Appendix A – 2.4G Wi-Fi	Pass
Conducted Band Edge	45 247 (4)	Appendix A – 2.4G Wi-Fi	Pass
Radiated Band Edge	15.247 (d)	See Section 6.6.2	Pass
Conducted Spurious Emission	Appendix A – 2.4G Wi-F		Pass
Radiated Spurious Emission	15.205 & 15.209	See Section 6.7.2	Pass

Remark:

- 1. Pass: The EUT complies with the essential requirements in the standard.
- 2. N/A: Not Applicable.
- 3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).

Test Method: ANSI C63.10-2013

KDB 558074 D01 15.247 Meas Guidance v05r02

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5 General Information

5.1 Client Information

Applicant:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong.
Factory:	Shenzhen Saidaxin Technology Co., Ltd.
Address:	6/F, Building 1, Saitu Digitial Technology Park, Bulan Road, Jihua Street, Longgang, Shenzhen, China.

5.2 General Description of E.U.T.

Product Name:	Android PDA			
Model No.:	N5501LAT, A5X			
Operation Frequency:	2412MHz~2462MHz: 802.11b/802.11g/802.11n(HT20)			
	2422MHz~2452MHz: 802.11n(HT40)			
Channel numbers:	802.11b/802.11g/802.11(HT20) for 11 channels			
	802.11n(HT40) for 7 channels			
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:	2.03dBi			
Power supply:	Rechargeable Li-ion Battery DC3.8V/2650mAh			
AC adapter:	Model: HJ-0501000E1-US			
	Input: AC100-240V, 50/60Hz, 0.2A			
	Output: DC 5.0V, 1000mA			
Remark:	Model No.: N5501LAT, A5X were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name.			
T . O . L O . I''	2. EUT has two kind of CPUs, CPU 1: MT6739, CPU 2: MT8765.			
Test Sample Condition:	The test samples were provided in good working order with no visible defects.			



Operation Frequency each of channel for 802.11b/g/n(HT20)							
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.

5.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Transmitting mode	Keep the EUT in continuous transmitting with modulation
Remark	During the test, pre-scan CPU1 and CPU2, found CPU1 was worse case mode.
	The report only reflects the worst mode.

Radiated Emission: 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:

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(HT20)	6.5Mbps				
802.11n(HT40)	13.5Mbps				

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 150KHz) for V-AMN	3.11 dB
Conducted Emission (150kHz ~ 30MHz) for V-AMN	2.62 dB
Conducted Emission (150kHz ~ 30MHz) for AAN	3.54 dB
Radiated Emission (9kHz ~ 30MHz electric field) for 3m SAC	3.13 dB
Radiated Emission (9kHz ~ 30MHz magnetic field) for 3m SAC	3.13 dB
Radiated Emission (30MHz ~ 1GHz) for 3m SAC	4.45 dB
Radiated Emission (1GHz ~ 18GHz) for 3m SAC	5.34 dB
Radiated Emission (18GHz ~ 40GHz) for 3m SAC	5.34 dB
Radiated Emission (30MHz ~ 1GHz) for 10m SAC	4.32 dB

5.6 Additions to, deviations, or exclusions from the method

No



5.7 Laboratory Facility

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

• FCC - Designation No.: CN1211

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

● ISED - CAB identifier.: CN0021

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 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

5.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xingiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

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

5.9 Test Instruments list

Radiated Emission(3m SAC):							
Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
3m SAC	ETS	RFD-100	Q1984	04-14-2021	04-13-2024		
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-044	03-07-2021	03-06-2022		
BiConiLog Antenna	SCHWARZBECK	VULB9163	9163-1246	03-07-2021	03-06-2022		
Biconical Antenna	SCHWARZBECK	VUBA 9117	9117#359	06-17-2021	06-17-2022		
Horn Antenna	SCHWARZBECK	BBHA9120D	912D-916	03-07-2021	03-06-2022		
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1067	04-02-2021	04-01-2022		
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1068	04-02-2021	04-01-2022		
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022		
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022		
Spectrum analyzer	Keysight	N9010B	MY60240202	11-27-2020	11-26-2021		
Simulated Station	Anritsu	MT8820C	6201026545	03-03-2021	03-02-2022		
Low Pre-amplifier	SCHWARZBECK	BBV9743B	00305	03-07-2021	03-06-2022		
High Pre-amplifier	SKET	LNPA_0118G-50	MF280208233	03-07-2021	03-06-2022		
Cable	Qualwave	JYT3M-1G-NN-8M	JYT3M-1	03-07-2021	03-06-2022		
Cable	Qualwave	JYT3M-18G-NN-8M	JYT3M-2	03-07-2021	03-06-2022		
Cable	Qualwave	JYT3M-1G-BB-5M	JYT3M-3	03-07-2021	03-06-2022		
Cable	Bost	JYT3M-40G-SS-8M	JYT3M-4	04-02-2021	04-01-2022		
EMI Test Software	Tonscend	TS+		Version:3.0.0.1			

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Radiated Emission(10m SAC):							
Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
10m SAC	ETS	RFSD-100-F/A	Q2005	04-28-2021	04-27-2024		
BiConiLog Antenna	SCHWARZBECK	VULB 9168	1249	04-02-2021	04-01-2022		
BiConiLog Antenna	SCHWARZBECK	VULB 9168	1250	04-02-2021	04-01-2022		
EMI Test Receiver	R&S	ESR 3	102800	04-08-2021	04-07-2022		
EMI Test Receiver	R&S	ESR 3	102802	04-08-2021	04-07-2022		
Low Pre-amplifier	Bost	LNA 0920N	2016	04-06-2021	04-05-2022		
Low Pre-amplifier	Bost	LNA 0920N	2019	04-06-2021	04-05-2022		
Cable	Bost	JYT10M-1G-NN-10M	JYT10M-1	04-02-2021	04-01-2022		
Cable	Bost	JYT10M-1G-NN-10M	JYT10M-2	04-02-2021	04-01-2022		
Test Software	R&S	EMC32		Version: 10.50.40			

Conducted Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI 3	101189	03-03-2021	03-02-2022	
LISN	Rohde & Schwarz	ENV432	101602	04-06-2021	04-05-2022	
LISN	Rohde & Schwarz	ESH3-Z5	843862/010	06-18-2020	06-17-2022	
RF Switch	TOP PRECISION	RSU0301	N/A	03-03-2021	03-02-2022	
Cable	Bost	JYTCE-1G-NN-2M	JYTCE-1	03-03-2021	03-02-2022	
Cable	Bost	JYTCE-1G-BN-3M	JYTCE-2	03-03-2021	03-02-2022	
EMI Test Software	AUDIX	E3	V	ersion: 6.110919l		

Conducted method:									
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)				
Spectrum Analyzer	Keysight	N9010B	MY60240202	11-27-2020	11-26-2021				
Vector Signal Generator	Keysight	N5182B	MY59101009	11-27-2020	11-26-2021				
Analog Signal Generator	Keysight	N5173B	MY59100765	11-27-2020	11-26-2021				
Power Detector Box	MWRF-test	MW100-PSB	MW201020JYT	11-27-2020	11-26-2021				
Simulated Station	Rohde & Schwarz	CMW270	102335	11-27-2020	11-26-2021				
RF Control Box	MWRF-test	MW100-RFCB	MW200927JYT	N/A	N/A				
PDU	MWRF-test	XY-G10	N/A	N/A	N/A				
DC Power Supply	Keysight	E3642A	MY60296194	11-27-2020	11-26-2021				
Temperature Humidity Chamber	ZhongZhi	CZ-C-150D	ZH16491	11-01-2020	10-31-2021				
Test Software	MWRF-tes	MTS 8310		Version: 2.0.0.0	·				



6 Test results and Measurement Data

6.1 Antenna requirement

Standard requirement: FCC Part 15 C Section 15.203 /247(b)

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(b) (4) requirement:

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

E.U.T Antenna:

The Wi-Fi antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is 2.03 dBi.

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6.2 Conducted Emission

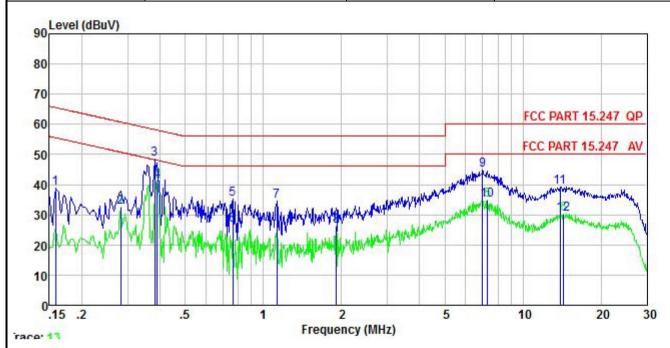
			-					
Test Requirement:	FCC Part 15 C Section 15.207							
Test Frequency Range:	150 kHz to 30 MHz	150 kHz to 30 MHz						
Class / Severity:	Class B							
Receiver setup:	RBW=9 kHz, VBW=30 kHz							
Limit:	Fraguenov rango (MHz)	Limit (d	dBuV)					
	Frequency range (MHz)	Quasi-peak	Average					
	0.15-0.5	66 to 56*	56 to 46*					
	0.5-5	56	46					
	5-30	60	50					
	* Decreases with the logarit	hm of the frequency.						
Test procedure	line impedance stabiliz 50ohm/50uH coupling 2. The peripheral devices LISN that provides a 50 termination. (Please re photographs). 3. Both sides of A.C. line interference. In order to positions of equipment	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:	LISN	st	er — AC power					
Test Instruments:	Refer to section 5.9 for deta	Refer to section 5.9 for details						
Test mode:	Refer to section 5.3 for deta	nils						
Test results:	Passed							

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Measurement Data:

Product name:	Android PDA	Product model:	N5501LAT
Test by:	Mike	Test mode:	Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



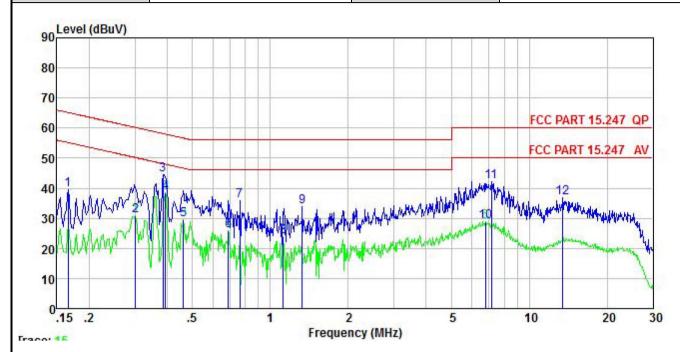
	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
22	MHz	—dBu∜	<u>dB</u>	<u>ab</u>	<u>ab</u>	dBu⊽	—dBu∀	<u>ab</u>	
1	0.158	28.67	10.22	-0.07	0.01	38.83	65.56	-26.73	QP
2	0.282	22.39	10.26	-0.25	0.02	32.42	50.76	-18.34	Average
3	0.381	37.83	10.27	0.31	0.03	48.44	58.25	-9.81	QP
4	0.389	30.50	10.28	0.34	0.04	41.16	48.08	-6.92	Average
5	0.763	25.21	10.30	-0.20	0.03	35.34	56.00	-20.66	QP
6	0.763	16.38	10.30	-0.20	0.03	26.51	46.00	-19.49	Average
1 2 3 4 5 6 7 8	1.129	23.90	10.32	0.32	0.08	34.62	56.00	-21.38	QP
8	1.908	16.09	10.33	-0.26	0.20	26.36	46.00	-19.64	Average
9	6.988	32.93	10.49	1.30	0.10	44.82	60.00	-15.18	QP
10	7.290	22.81	10.50	1.40	0.10	34.81	50.00	-15.19	Average
11	13.915	25.16	10.74	3.28	0.12	39.30	60.00	-20.70	QP
12	14.364	15.92	10.75	3.41	0.13	30.21	50.00	-19.79	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 + Aux Factor + Cable Loss.



Product name:	Android PDA	Product model:	N5501LAT
Test by:	Mike	Test mode:	Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level		Aux Factor		Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	<u>ab</u>	<u>d</u> B	<u>ap</u>	dBu√	dBu∜	<u>ab</u>	
1	0.166	29.22	10.20	0.01	0.01	39.44	65.16	-25.72	QP
2	0.302	20.65	10.25	0.01	0.03	30.94	50.19	-19.25	Average
3	0.385	34.39	10.26	-0.05	0.03	44.63	58.17	-13.54	QP
1 2 3 4 5 6 7 8 9	0.393	28.39	10.27	-0.06	0.04	38.64	47.99	-9.35	Average
5	0.461	19.39	10.28	0.00	0.03	29.70	46.67	-16.97	Average
6	0.690	15.67	10.30	0.04	0.03	26.04	46.00	-19.96	Average
7	0.763	25.61	10.30	0.05	0.03	35.99	56.00	-20.01	QP
8	1.123	13.57	10.31	0.09	0.08	24.05	46.00	-21.95	Average
9	1.331	23.36	10.31	0.12	0.12	33.91	56.00	-22.09	QP
10	6.769	17.65	10.47	0.82	0.10	29.04	50.00	-20.96	Average
11	7.137	30.78	10.48	0.87	0.10	42.23	60.00	-17.77	QP
12	13.479	23.33	10.69	2.64	0.11	36.77	60.00	-23.23	QP

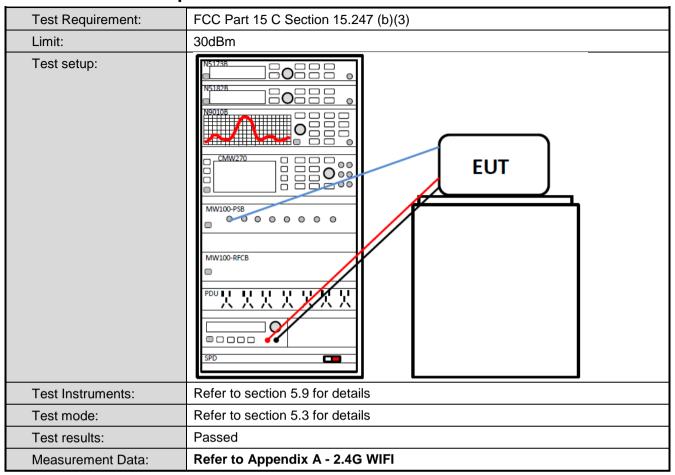
Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Aux Factor + Cable Loss.



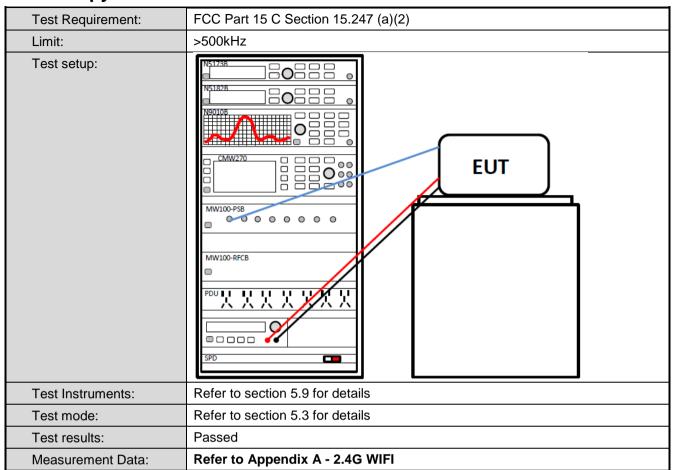


6.3 Conducted Output Power





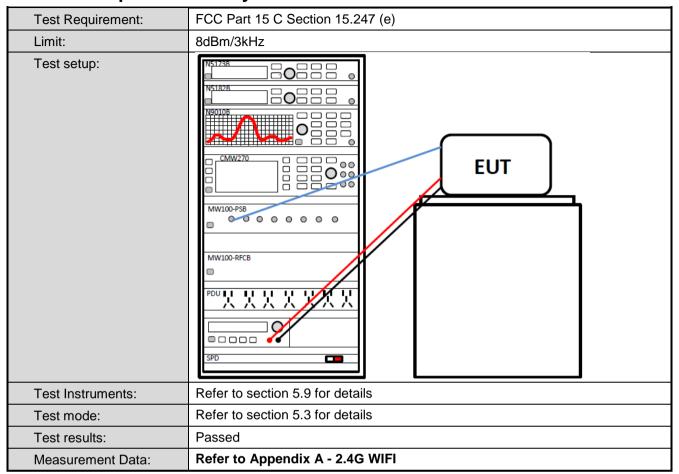
6.4 Occupy Bandwidth







6.5 Power Spectral Density







6.6 Band Edge

6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)					
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:	NS182B NS18B NS182B NS18B NS182B NS18B NS1B NS18B NS18B NS18B NS1B NS1B NS1B NS1B NS1B NS1B NS1B NS1					
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					
Measurement Data:	Refer to Appendix A - 2.4G WIFI					





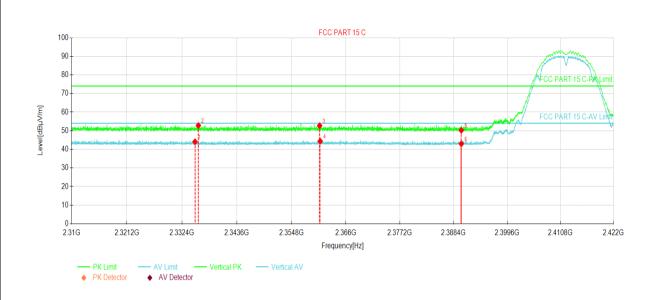
6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205							
Test Frequency Range:	2310 MHz to 2390	2310 MHz to 2390 MHz and 2483.5 MHz to 2500 MHz						
Test Distance:	3m							
Receiver setup:	Frequency	Detector	RBW	VBW				
	Above 1GHz	Peak	1MHz	3MHz	+			
Limite	Frequency	RMS	<u> 1MHz </u>	3MHz	z Average Value Remark			
Limit:			54.00	3111)	Average Value			
	Above 1GH		74.00		Peak Value			
Test procedure:	 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, quasi-peak or average method as specified and then reported in a data sheet. 							
Test setup:	- 150cm	AE EUT (Turntable)	Ground Reference Plane		na Tower			
Test Instruments:	Refer to section 5	.9 for details						
Test mode:	Refer to section 5	.3 for details						
Test results:	Passed							



802.11b mode:

Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



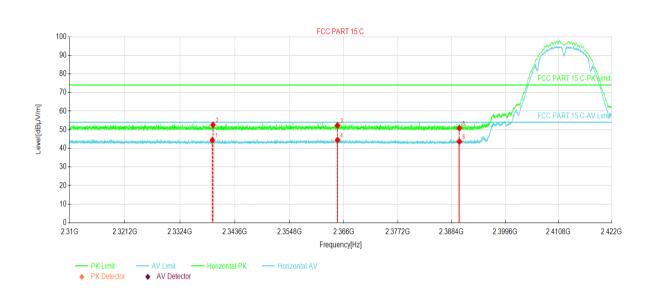
Suspe	Suspected Data List										
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Polarity			
NO.	[MHz]	[dBµV/m]	[dBµV/m] [dBµV/m] [d	[dB]	[dBµV/m]	[dB]	Trace				
1	2335.04	37.16	44.06	6.90	54.00	9.94	AV	Vertical			
2	2335.73	45.90	52.80	6.90	74.00	21.20	PK	Vertical			
3	2360.61	45.72	52.70	6.98	74.00	21.30	PK	Vertical			
4	2360.72	37.40	44.38	6.98	54.00	9.62	AV	Vertical			
5	2390.01	43.13	50.21	7.08	74.00	23.79	PK	Vertical			
6	2390.01	35.90	42.98	7.08	54.00	11.02	AV	Vertical			

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%

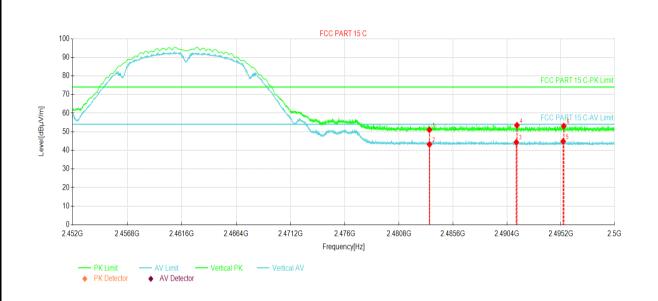


Suspe	Suspected Data List										
NO	Freq. Reading Level		Factor Limit	Margin	Trace	Delegite					
NO. MHZ	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity			
1	2338.98	37.45	44.36	6.91	54.00	9.64	AV	Horizontal			
2	2339.12	45.65	52.56	6.91	74.00	21.44	PK	Horizontal			
3	2364.68	45.25	52.24	6.99	74.00	21.76	PK	Horizontal			
4	2364.71	37.48	44.47	6.99	54.00	9.53	AV	Horizontal			
5	2390.01	43.76	50.84	7.08	74.00	23.16	PK	Horizontal			
6	2390.01	36.53	43.61	7.08	54.00	10.39	AV	Horizontal			

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11b Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



Suspe	Suspected Data List								
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Polarity	
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Folarity	
1	2483.50	43.33	51.02	7.69	74.00	22.98	PK	Vertical	
2	2483.50	35.52	43.21	7.69	54.00	10.79	AV	Vertical	
3	2491.23	36.61	44.35	7.74	54.00	9.65	AV	Vertical	
4	2491.28	45.73	53.47	7.74	74.00	20.53	PK	Vertical	
5	2495.41	37.05	44.82	7.77	54.00	9.18	AV	Vertical	
6	2495.46	45.28	53.05	7.77	74.00	20.95	PK	Vertical	

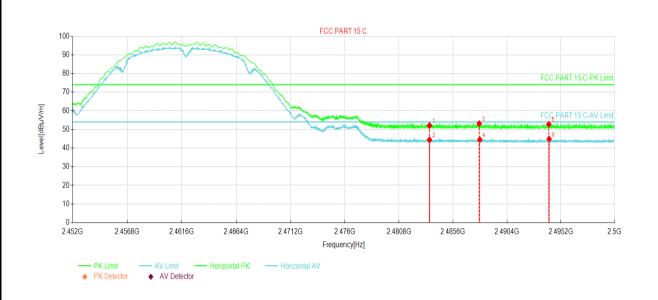
- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

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Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11b Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



Suspe	Suspected Data List								
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trans	Delerity	
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity	
1	2483.50	44.39	52.08	7.69	74.00	21.92	PK	Horizontal	
2	2483.50	36.72	44.41	7.69	54.00	9.59	AV	Horizontal	
3	2487.92	45.37	53.09	7.72	74.00	20.91	PK	Horizontal	
4	2487.98	36.76	44.48	7.72	54.00	9.52	AV	Horizontal	
5	2494.13	44.96	52.72	7.76	74.00	21.28	PK	Horizontal	
6	2494.16	37.08	44.84	7.76	54.00	9.16	AV	Horizontal	

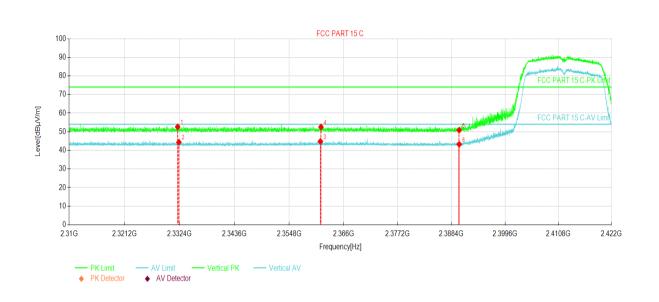
- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

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802.11g mode:

Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11g Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



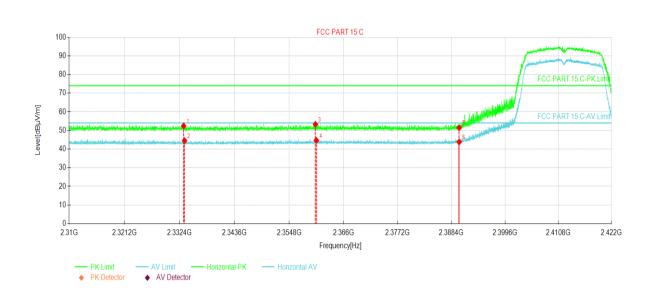
Suspe	Suspected Data List								
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trans	Delerity	
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity	
1	2331.99	45.71	52.60	6.89	74.00	21.40	PK	Vertical	
2	2332.24	37.47	44.36	6.89	54.00	9.64	AV	Vertical	
3	2361.22	37.81	44.79	6.98	54.00	9.21	AV	Vertical	
4	2361.35	45.57	52.55	6.98	74.00	21.45	PK	Vertical	
5	2390.01	43.75	50.83	7.08	74.00	23.17	PK	Vertical	
6	2390.01	36.15	43.23	7.08	54.00	10.77	AV	Vertical	

Remark

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11g Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

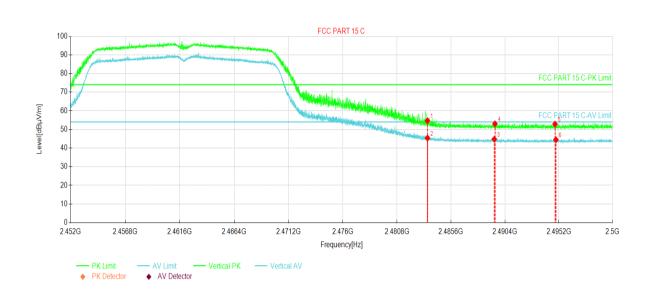


Suspe	Suspected Data List							
NO.	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Polarity
	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Folarity
1	2333.21	45.52	52.41	6.89	74.00	21.59	PK	Horizontal
2	2333.39	37.61	44.50	6.89	54.00	9.50	AV	Horizontal
3	2360.20	46.32	53.30	6.98	74.00	20.70	PK	Horizontal
4	2360.40	37.67	44.65	6.98	54.00	9.35	AV	Horizontal
5	2390.01	44.35	51.43	7.08	74.00	22.57	PK	Horizontal
6	2390.01	36.75	43.83	7.08	54.00	10.17	AV	Horizontal

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT	
Test By:	Mike	Test mode:	802.11g Tx mode	
Test Channel:	Highest channel	Polarization:	Vertical	
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%	

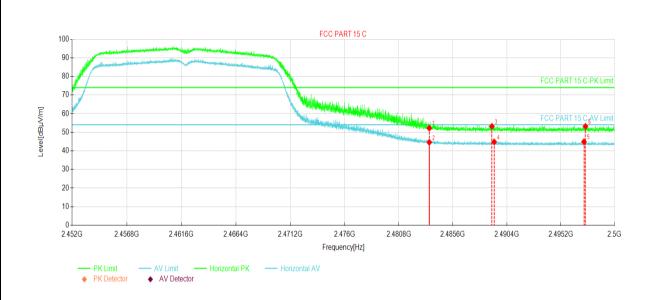


Suspe	Suspected Data List								
NO	Freq.	Reading	Level	Factor	Limit	Margin	T	Delevito	
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity	
1	2483.50	46.97	54.66	7.69	74.00	19.34	PK	Vertical	
2	2483.50	37.68	45.37	7.69	54.00	8.63	AV	Vertical	
3	2489.45	37.06	44.79	7.73	54.00	9.21	AV	Vertical	
4	2489.50	45.25	52.98	7.73	74.00	21.02	PK	Vertical	
5	2494.86	45.06	52.82	7.76	74.00	21.18	PK	Vertical	
6	2494.94	36.71	44.48	7.77	54.00	9.52	AV	Vertical	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11g Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



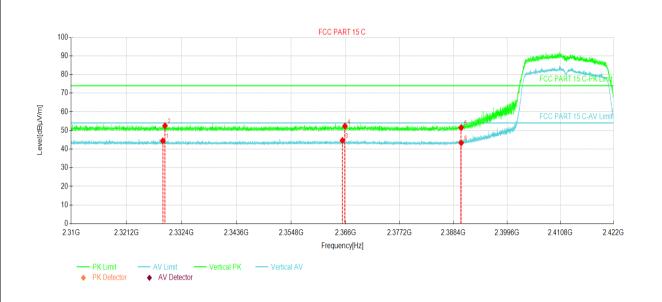
Suspe	Suspected Data List								
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Delesity	
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity	
1	2483.50	44.51	52.20	7.69	74.00	21.80	PK	Horizontal	
2	2483.50	36.90	44.59	7.69	54.00	9.41	AV	Horizontal	
3	2489.06	45.42	53.14	7.72	74.00	20.86	PK	Horizontal	
4	2489.27	37.06	44.79	7.73	54.00	9.21	AV	Horizontal	
5	2497.27	37.09	44.87	7.78	54.00	9.13	AV	Horizontal	
6	2497.40	45.37	53.15	7.78	74.00	20.85	PK	Horizontal	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



802.11n(HT20):

Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



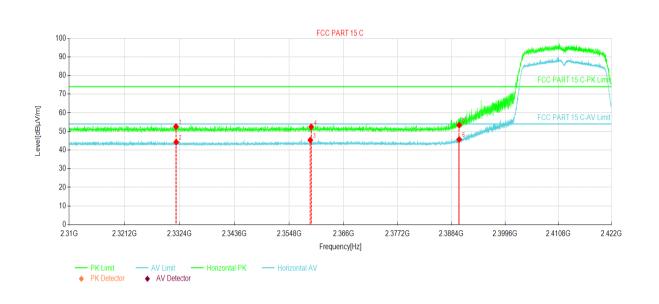
Suspe	Suspected Data List								
NO.	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Polarity	
	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Folarity	
1	2328.56	37.55	44.42	6.87	54.00	9.58	AV	Vertical	
2	2329.01	45.63	52.51	6.88	74.00	21.49	PK	Vertical	
3	2365.37	37.63	44.63	7.00	54.00	9.37	AV	Vertical	
4	2365.88	45.34	52.34	7.00	74.00	21.66	PK	Vertical	
5	2390.01	44.39	51.47	7.08	74.00	22.53	PK	Vertical	
6	2390.01	36.25	43.33	7.08	54.00	10.67	AV	Vertical	

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

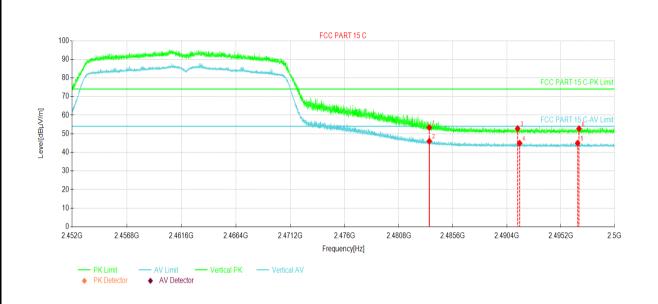


Suspe	Suspected Data List								
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trans	Polarity	
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Folality	
1	2331.64	45.72	52.60	6.88	74.00	21.40	PK	Horizontal	
2	2331.70	37.36	44.24	6.88	54.00	9.76	AV	Horizontal	
3	2359.15	38.37	45.35	6.98	54.00	8.65	AV	Horizontal	
4	2359.33	45.44	52.42	6.98	74.00	21.58	PK	Horizontal	
5	2390.01	46.28	53.36	7.08	74.00	20.64	PK	Horizontal	
6	2390.01	38.58	45.66	7.08	54.00	8.34	AV	Horizontal	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%

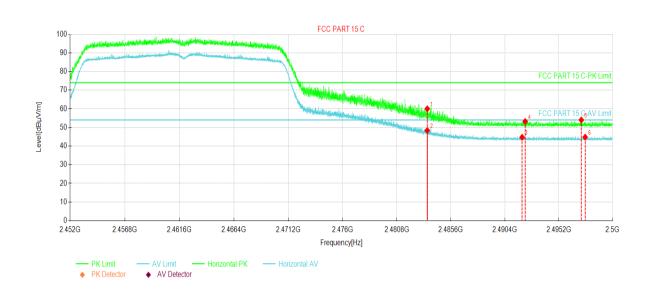


Suspe	Suspected Data List								
NO.	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Polarity	
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	lolanty	
1	2483.50	45.60	53.29	7.69	74.00	20.71	PK	Vertical	
2	2483.50	38.33	46.02	7.69	54.00	7.98	AV	Vertical	
3	2491.36	45.02	52.76	7.74	74.00	21.24	PK	Vertical	
4	2491.53	37.18	44.92	7.74	54.00	9.08	AV	Vertical	
5	2496.70	37.14	44.92	7.78	54.00	9.08	AV	Vertical	
6	2496.83	44.91	52.69	7.78	74.00	21.31	PK	Vertical	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



Suspe	Suspected Data List								
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Delerity	
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity	
1	2483.50	52.32	60.01	7.69	74.00	13.99	PK	Horizontal	
2	2483.50	40.69	48.38	7.69	54.00	5.62	AV	Horizontal	
3	2491.93	36.98	44.72	7.74	54.00	9.28	AV	Horizontal	
4	2492.20	45.46	53.21	7.75	74.00	20.79	PK	Horizontal	
5	2497.21	46.22	54.00	7.78	74.00	20.00	PK	Horizontal	
6	2497.55	37.02	44.80	7.78	54.00	9.20	AV	Horizontal	

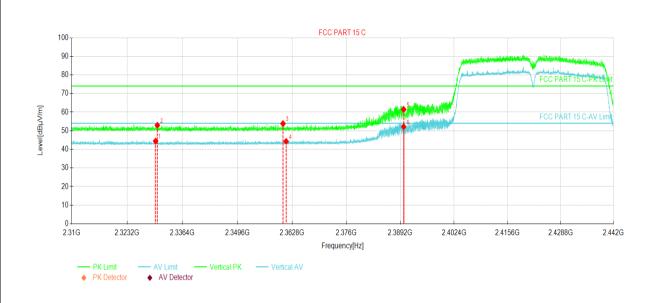
- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

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802.11n(HT40):

Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11n(HT40) Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



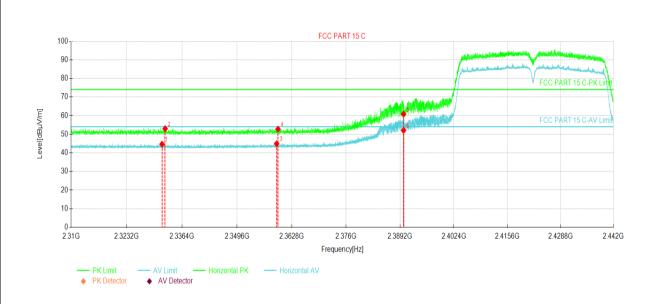
Suspe	Suspected Data List								
NO.	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Dolositu	
	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity	
1	2329.98	37.54	44.42	6.88	54.00	9.58	AV	Vertical	
2	2330.41	46.05	52.93	6.88	74.00	21.07	PK	Vertical	
3	2360.62	46.85	53.83	6.98	74.00	20.17	PK	Vertical	
4	2361.38	37.29	44.27	6.98	54.00	9.73	AV	Vertical	
5	2390.02	54.37	61.45	7.08	74.00	12.55	PK	Vertical	
6	2390.02	45.08	52.16	7.08	54.00	1.84	AV	Vertical	

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11n(HT40) Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%

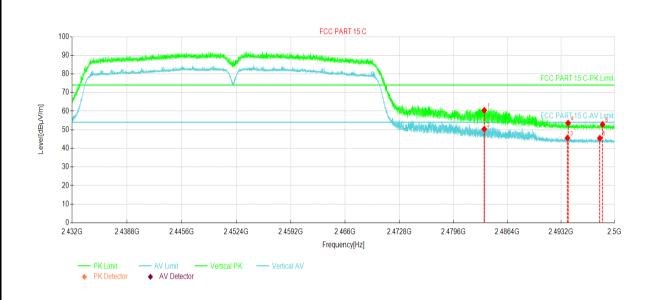


Suspe	Suspected Data List								
NO.	Freq.	Reading	Level	Factor	Limit	Margin	Trace	Polarity	
	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity	
1	2331.61	37.76	44.64	6.88	54.00	9.36	AV	Horizontal	
2	2332.35	46.07	52.96	6.89	74.00	21.04	PK	Horizontal	
3	2359.15	37.91	44.89	6.98	54.00	9.11	AV	Horizontal	
4	2359.48	45.74	52.72	6.98	74.00	21.28	PK	Horizontal	
5	2390.02	53.72	60.80	7.08	74.00	13.20	PK	Horizontal	
6	2390.02	44.99	52.07	7.08	54.00	1.93	AV	Horizontal	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT		
Test By:	Mike	Test mode:	802.11n(HT40) Tx mode		
Test Channel:	Highest channel	Polarization:	Vertical		
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%		

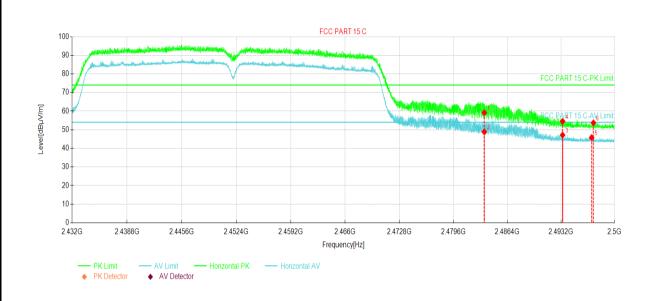


Suspe	Suspected Data List											
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trans	Polarity				
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace					
1	2483.50	52.76	60.45	7.69	74.00	13.55	PK	Vertical				
2	2483.50	42.65	50.34	7.69	54.00	3.66	AV	Vertical				
3	2494.02	37.78	45.54	7.76	54.00	8.46	AV	Vertical				
4	2494.10	45.79	53.55	7.76	74.00	20.45	PK	Vertical				
5	2498.13	37.61	45.40	7.79	54.00	8.60	AV	Vertical				
6	2498.47	45.04	52.83	7.79	74.00	21.17	PK	Vertical				

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	802.11n(HT40) Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



Suspe	Suspected Data List											
NO	Freq.	Reading	Level	Factor	Limit	Margin	Trans	Delerity				
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Trace	Polarity				
1	2483.50	51.44	59.13	7.69	74.00	14.87	PK	Horizontal				
2	2483.50	41.17	48.86	7.69	54.00	5.14	AV	Horizontal				
3	2493.41	39.39	47.14	7.75	54.00	6.86	AV	Horizontal				
4	2493.41	46.77	54.52	7.75	74.00	19.48	PK	Horizontal				
5	2497.10	38.01	45.79	7.78	54.00	8.21	AV	Horizontal				
6	2497.32	45.92	53.70	7.78	74.00	20.30	PK	Horizontal				

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.





6.7 Spurious Emission

6.7.1 Conducted Emission Method

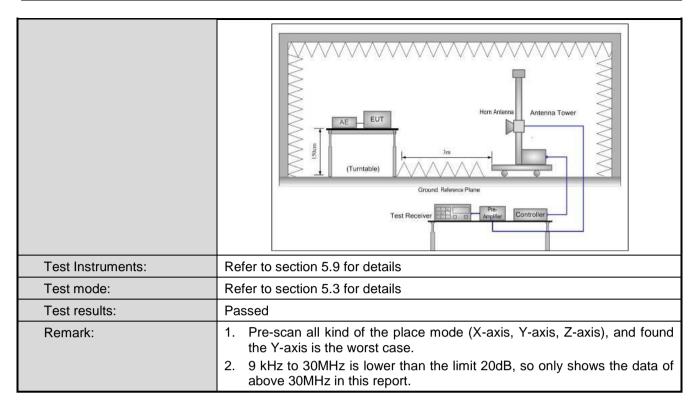
Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth 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:	NS1173R					
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					
Measurement Data:	Refer to Appendix A - 2.4G WIFI					



6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Se	ection 15	209 an	nd 15 205					
Test Frequency Range:	9kHz to 25GHz	9kHz to 25GHz							
Test Distance:	Below 1GHz for 1	0m SAC	test A	hove 1GHz fo	or 3m	SAC to	est		
Receiver setup:	Frequency	Detec	-	RBW		BW	Remark		
Receiver setup.	30MHz-1GHz Quasi-			120KHz		OKHz Quasi-peak Value			
		Pea		1MHz		ИHz	Peak Value		
	Above 1GHz	RM	S	1MHz	31	ИHz	Average Value		
Limit:	Frequency		Limit	(dBuV/m @10)m)		Remark		
	30MHz-88MH	lz		30.0		Q	uasi-peak Value		
	88MHz-216MH	Hz		33.5			uasi-peak Value		
	216MHz-960M			36.0			uasi-peak Value		
	960MHz-1GH	IZ		44.0		Q	uasi-peak Value		
	Frequency		Limi	t (dBuV/m @3	m)		Remark		
	Above 1GHz	<u>-</u>		54.0 74.0		,	Average Value Peak Value		
Toot Dropoduro	1. The EUT w	as place	ed on		a rot	tating 1	table 0.8m(below		
Test Procedure:							0 meter chamber		
							table was rotated		
	360 degrees								
							ters(above 1GHz)		
	the top of a v			_		wnich	was mounted on		
	•		_			four m	neters above the		
	ground to det								
							e set to make the		
	measuremen								
							to its worst case		
							ter to 4 meters legrees to find the		
	maximum rea		tuirie	a ilolli o degi	CC3 ((J 300 C	legrees to find the		
	5. The test-rece	_	em was	s set to Peak	Dete	ct Fund	ction and		
	Specified Bar								
							dB lower than the		
							beak values of		
							that did not have ak, quasi-peak or		
	average meth								
Test setup:	Below 1GHz	100 00	70011100	and monro	00.100	<i></i> u u			
	Delow IGHZ								
			:	——Т		Anta	nna Tower		
				را ا	_	Ante	ina rower		
		I		ı II		Searc			
		> 10m ∢	<u> </u>	l II		— Searc			
	EUT 7	ı	₩ 4m	' 1					
	<u> }</u>	1		- ∠		RF Test	t		
		<u> </u>	ÎΤ		_	Receive	er		
	Turn	一、 。	¥ 1m						
	Table	0.8m	, A			/			
		برزرل	Ш.				7-00		
	.///////	,,,,,,,	7/1	1111111111	////	///			
	Ground Pla	ane ——							
	Above 1GHz								
	7.0070 10112								



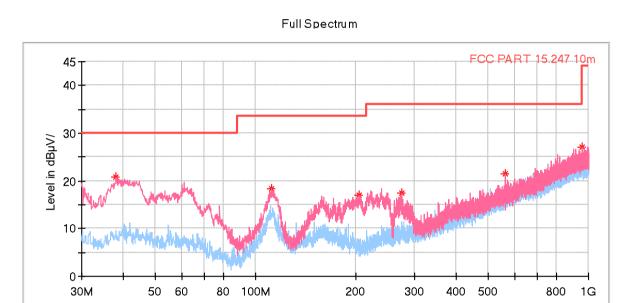




Measurement Data (worst case):

Below 1GHz:

Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical & Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.051000	20.77	30.00	9.23	100.0	V	32.0	-16.1
111.868000	18.35	33.50	15.15	100.0	V	278.0	-17.8
204.988000	17.02	33.50	16.48	100.0	V	287.0	-18.0
274.731000	17.57	36.00	18.43	100.0	V	0.0	-14.6
562.530000	21.47	36.00	14.53	100.0	V	18.0	-7.5
958.290000	27.09	36.00	8.91	100.0	V	65.0	0.0

Frequency in Hz

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

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Above 1GHz

			802.11b			
		Test ch	nannel: Lowest cha	annel		
		De	etector: Peak Value	9		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	55.14	-9.46	45.68	74.00	28.32	Vertical
4824.00	54.82	-9.46	45.36	74.00	28.64	Horizonta
		Dete	ector: Average Val	ue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	47.79	-9.46	38.33	54.00	15.67	Vertical
4824.00	47.19	-9.46	37.73	54.00	16.27	Horizonta
		Test c	hannel: Middle cha	annel		
			etector: Peak Value			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4874.00	55.28	-9.11	46.17	74.00	27.83	Vertical
4874.00	54.36	-9.11	45.25	74.00	28.75	Horizonta
		Dete	ector: Average Val	ue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4874.00	47.37	-9.11	38.26	54.00	15.74	Vertical
4874.00	47.44	-9.11	38.33	54.00	15.67	Horizonta
		Test ch	nannel: Highest cha	annel		
		De	etector: Peak Value	e		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4924.00	54.86	-8.74	46.12	74.00	27.88	Vertical
4924.00	54.50	-8.74	45.76	74.00	28.24	Horizonta
		Dete	ector: Average Val	ue		
		1	Lovel	Limit Line	Margin	1
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	(dBuV/m)	(dB)	Polarizatio
		Factor(dB) -8.74			_	Polarization

^{1.} Final Level = Receiver Read level + Factor.

The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Margin

(dB)

15.24

16.00

Limit Line

(dBuV/m)

54.00

54.00



			802.11g					
		Test ch	nannel: Lowest cha	annel				
	Detector: Peak Value							
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4824.00	54.67	-9.46	45.21	74.00	28.79	Vertical		
4824.00	54.36	-9.46	44.90	74.00	29.10	Horizontal		
		Dete	ector: Average Val	lue				
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4824.00	47.82	-9.46	38.36	54.00	15.64	Vertical		
4824.00	46.97	-9.46	37.51	54.00	16.49	Horizontal		
		T ()	1.00					
			hannel: Middle cha					
		De	etector: Peak Value		T	T		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4874.00	54.55	-9.11	45.44	74.00	28.56	Vertical		
4874.00	54.68	-9.11	45.57	74.00	28.43	Horizontal		
		Dete	ector: Average Val	ue				
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4874.00	47.39	-9.11	38.28	54.00	15.72	Vertical		
4874.00	46.82	-9.11	37.71	54.00	16.29	Horizontal		
		Test ch	nannel: Highest ch	annel				
		De	etector: Peak Value	е				
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4924.00	54.32	-8.74	45.58	74.00	28.42	Vertical		
4924.00	54.78	-8.74	46.04	74.00	27.96	Horizontal		
		Dete	ector: Average Val	lue				

Level

(dBuV/m)

38.76

38.00

Remark:

Frequency

(MHz)

4924.00

4924.00

Read Level

(dBuV)

47.50

46.74

Factor(dB)

-8.74

-8.74

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Project No.: JYTSZE2109034

Polarization

Vertical

Horizontal

^{1.} Final Level = Receiver Read level + Factor.

^{2.} The emission levels of other frequencies are lower than the limit 20dB and not show in test report.





		Test ch	nannel: Lowest cha	annel		
		De	etector: Peak Value)		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	54.77	-9.46	45.31	74.00	28.69	Vertical
4824.00	54.32	-9.46	44.86	74.00	29.14	Horizonta
		Dete	ector: Average Val	ue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	47.70	-9.46	38.24	54.00	15.76	Vertical
4824.00	46.45	-9.46	36.99	54.00	17.01	Horizonta
			hannel: Middle cha			
		De	etector: Peak Value	9		T
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	54.46	-9.11	45.35	74.00	28.65	Vertical
4874.00	54.64	-9.11	45.53	74.00	28.47	Horizonta
		Dete	ector: Average Val	ue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	47.80	-9.11	38.69	54.00	15.31	Vertical
4874.00	46.34	-9.11	37.23	54.00	16.77	Horizonta
			nannel: Highest cha			
	T	De	etector: Peak Value			T
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	54.25	-8.74	45.51	74.00	28.49	Vertical
4924.00	54.49	-8.74	45.75	74.00	28.25	Horizonta
		Dete	ector: Average Val	ue		T
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	47.43	-8.74	38.69	54.00	15.31	Vertical
4924.00	46.56	-8.74	37.82	54.00	16.18	Horizonta

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The emission levels of other frequencies are lower than the limit 20dB and not show in test report.





			802.11n(HT40)			
		Test cl	hannel: Lowest ch	annel		
		De	etector: Peak Value	е		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4844.00	55.17	-9.32	45.85	74.00	28.15	Vertical
4844.00	54.29	-9.32	44.97	74.00	29.03	Horizontal
		Det	ector: Average Val	ue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4844.00	48.08	-9.32	38.76	54.00	15.24	Vertical
4844.00	46.87	-9.32	37.55	54.00	16.45	Horizontal
		Test c	hannel: Middle cha	annel		
		De	etector: Peak Value	е		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4874.00	55.17	-9.11	46.06	74.00	27.94	Vertical
4874.00	54.48	-9.11	45.37	74.00	28.63	Horizontal
		Det	ector: Average Val	ue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4874.00	48.18	-9.11	39.07	54.00	14.93	Vertical
4874.00	46.54	-9.11	37.43	54.00	16.57	Horizontal
		Test ch	nannel: Highest ch	annel		
		De	etector: Peak Value	е		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4904.00	55.61	-8.90	46.71	74.00	27.29	Vertical
4904.00	54.28	-8.90	45.38	74.00	28.62	Horizontal
		Det	ector: Average Val	ue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization
4904.00	48.38	-8.90	39.48	54.00	14.52	Vertical
4904.00	46.11	-8.90	37.21	54.00	16.79	Horizontal
-						

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^{1.} Final Level = Receiver Read level + Factor.

^{2.} The emission levels of other frequencies are lower than the limit 20dB and not show in test report.