FCC REPORT

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 15.225
Date of sample receipt:	03 Sep., 2021
Date of Test:	04 Sep., to 22 Oct., 2021
Date of report issue:	25 Oct., 2021
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 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.

2 Version

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

Tested by: Mike.ou ***Date:*** *25 Oct., 2021*

Test Engineer

Reviewed by: Winner Zhang ***Date:*** *25 Oct., 2021*

Project Engineer

3 Contents

Page

4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
Field strength of the fundamental signal	15.225 (a)	Pass
Spurious emissions	15.225(d)& 15.209	Pass
20dB Bandwidth	15.215(c)	Pass
Frequency tolerance	15.225 (e)	Pass
Conducted Emission	15.207	Pass

Remark:

1. *Pass: The EUT complies with the essential requirements in the standard.*
2. *The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).*

Test Method:	*ANSI C63.4-2014* *ANSI C63.10-2013*

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:	13.56MHz
Channel numbers:	1
Modulation type:	ASK
Antenna Type:	Induction Coil Antenna
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:	1. Model No.: N5501LAT, A5X were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name. 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.

5.3 Test mode

Transmitting mode:	Keep the EUT in transmitting mode with modulation
Remark :	During the test, pre-scan CPU1 and CPU2, found CPU1 was worse case mode. The report only reflects the worst mode.

Pre-Test Mode:

CCIS has verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

Axis	X	Y	Z
Field Strength(dBuV/m)	48.24	48.28	48.20

Final Test Mode:

According to ANSI C63.4 standards, the test results are both the “worst case” and “worst setup”: Y axis (see the test setup photo).

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

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, Xinqiao 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		

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	Version: 6.110919b		

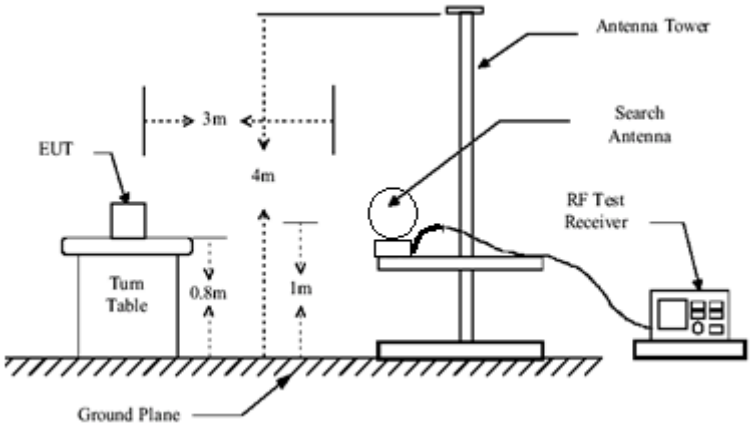
6 Test results and Measurement Data

6.1 Antenna requirement

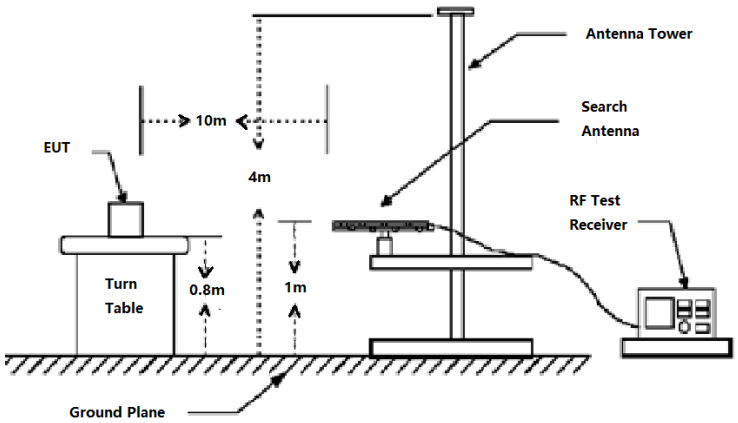
Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling 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.	
E.U.T Antenna:	
The EUT make use of an Induction coil antenna.	

6.2 Radiated Emission

<table>
<tr><td>Test Requirement:</td><td colspan="5">FCC Part15 C Section 15.225(a) and 15.209</td></tr>
<tr><td>TestFrequencyRange:</td><td colspan="5">9 kHz to 1000MHz</td></tr>
<tr><td>Test site:</td><td colspan="5">Below 30MHz for 3m SAC test, 30MHz – 1GHz for 10m SAC test.</td></tr>
<tr><td>Receiver setup:</td><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td></td><td>9kHz-150kHz</td><td>Quasi-peak</td><td>200Hz</td><td>600Hz</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td>150kHz-30MHz</td><td>Quasi-peak</td><td>9kHz</td><td>30kHz</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120kHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td>Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>Limit:
(Field strength of the fundamental signal)</td><td colspan="2">Frequency</td><td colspan="2">Limit (uV/m @30m)</td><td>Limit (dBuV/m @3m)</td></tr>
<tr><td></td><td colspan="2">13.553MHz-13.567MHz</td><td colspan="2">15848</td><td>124.0</td></tr>
<tr><td></td><td colspan="2">13.410MHz-13.553MHz & 13.567MHz-13.710MHz</td><td colspan="2">334</td><td>90.5</td></tr>
<tr><td></td><td colspan="2">13.110MHz-13.410MHz & 13.710MHz-14.010MHz</td><td colspan="2">106</td><td>80.5</td></tr>
<tr><td></td><td colspan="5">Remark:
Per FCC part 15.31, when performing measurements at a distance which is closer than specified, the field strength results shall be extrapolated to the specified distance by using the square of an inverse linear distance extrapolation factor (i.e., 40 dB/decade) in conjunction with the slant-range distance defined in §15.3(hh) of this part.</td></tr>
<tr><td>Limit:
(Spurious Emissions)</td><td colspan="2">Frequency (MHz)</td><td colspan="2">Limit (uV/m @3m)</td><td>Distance (m)</td></tr>
<tr><td></td><td colspan="2">0.009-0.490</td><td colspan="2">2400/F(kHz)</td><td>300</td></tr>
<tr><td></td><td colspan="2">0.490-1.705</td><td colspan="2">24000/F(kHz)</td><td>30</td></tr>
<tr><td></td><td colspan="2">1.705-30</td><td colspan="2">30</td><td>30</td></tr>
<tr><td></td><td colspan="2">Frequency (MHz)</td><td colspan="2">Limit (dBuV/m @10m)</td><td>Distance (m)</td></tr>
<tr><td></td><td colspan="2">30-88</td><td colspan="2">30.0</td><td>10</td></tr>
<tr><td></td><td colspan="2">88-216</td><td colspan="2">33.5</td><td>10</td></tr>
<tr><td></td><td colspan="2">216-960</td><td colspan="2">36.0</td><td>10</td></tr>
<tr><td></td><td colspan="2">960-1000</td><td colspan="2">44.0</td><td>10</td></tr>
<tr><td>Test Procedure:</td><td colspan="5">a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter chamber (above 30MHz) or 3 meter chamber(below 1GHz). The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters (3 meter chamber) or 10 meters (3 meter chamber) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. 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.
d. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatabletable was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.
f. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasi-peak or average method as specified andthen reported in a data sheet.</td></tr>
<tr><td>Test setup:</td><td colspan="5">9kHz-30MHz</td></tr>
</table>



30MHz-1GHz

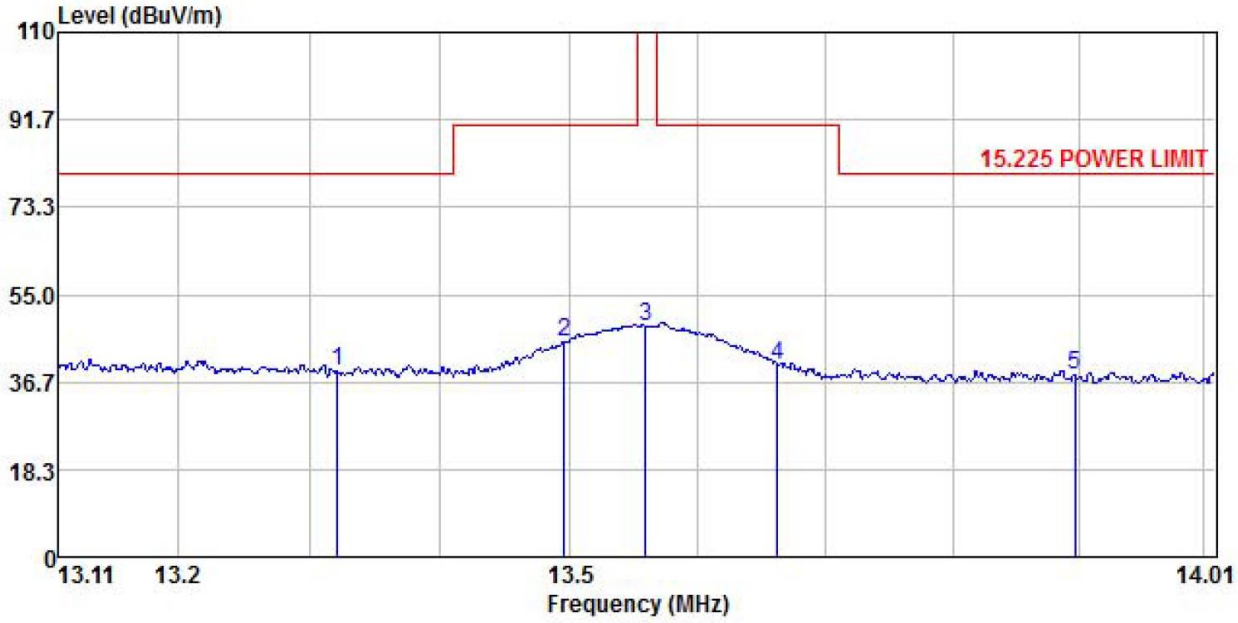


Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data:

Field Strength of fundamental signal:

Product Name:	Android PDA	**Product Model:**	N5501LAT
Test By:	Mike	**Test mode:**	NFC Tx mode
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	13.321	18.89	19.63	0.40	0.00	38.92	80.50	-41.58	
2	13.496	24.85	19.59	0.41	0.00	44.85	90.50	-45.65	
3	13.559	28.28	19.59	0.41	0.00	48.28	124.00	-75.72	
4	13.662	20.04	19.57	0.42	0.00	40.03	90.50	-50.47	
5	13.897	18.32	19.52	0.43	0.00	38.27	80.50	-42.23	

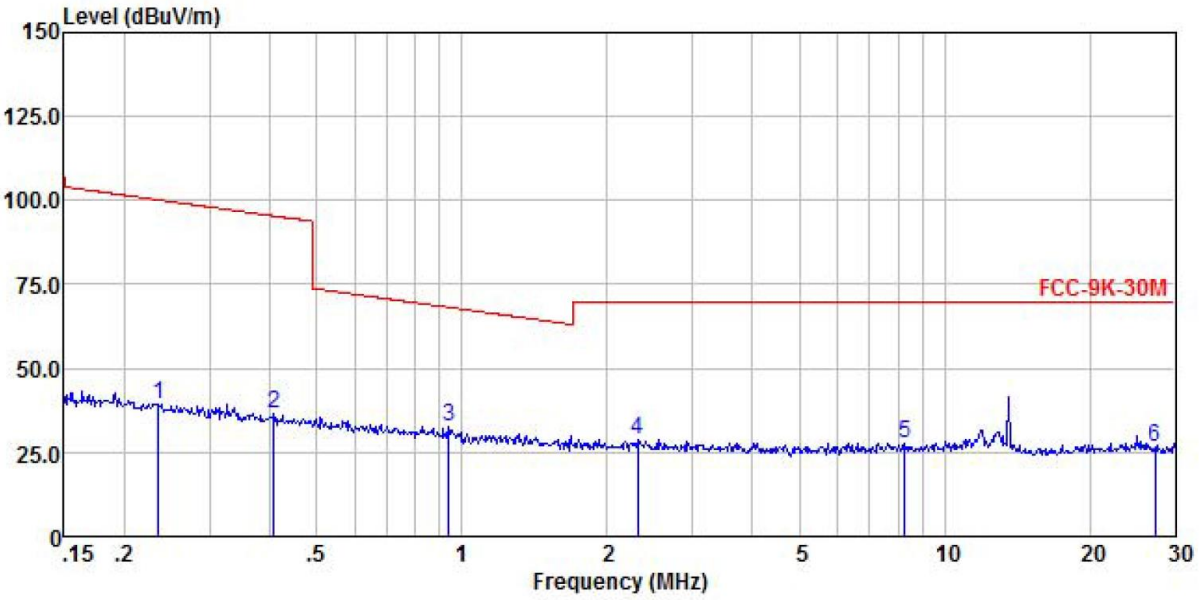
Remark:

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

Spurious Emissions:

Test frequency range: 9 kHz- 30 MHz

Product Name:	Android PDA	**Product Model:**	N5501LAT
Test By:	Mike	**Test mode:**	NCF Tx mode
Test Frequency:	150 kHz ~ 30 MHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%

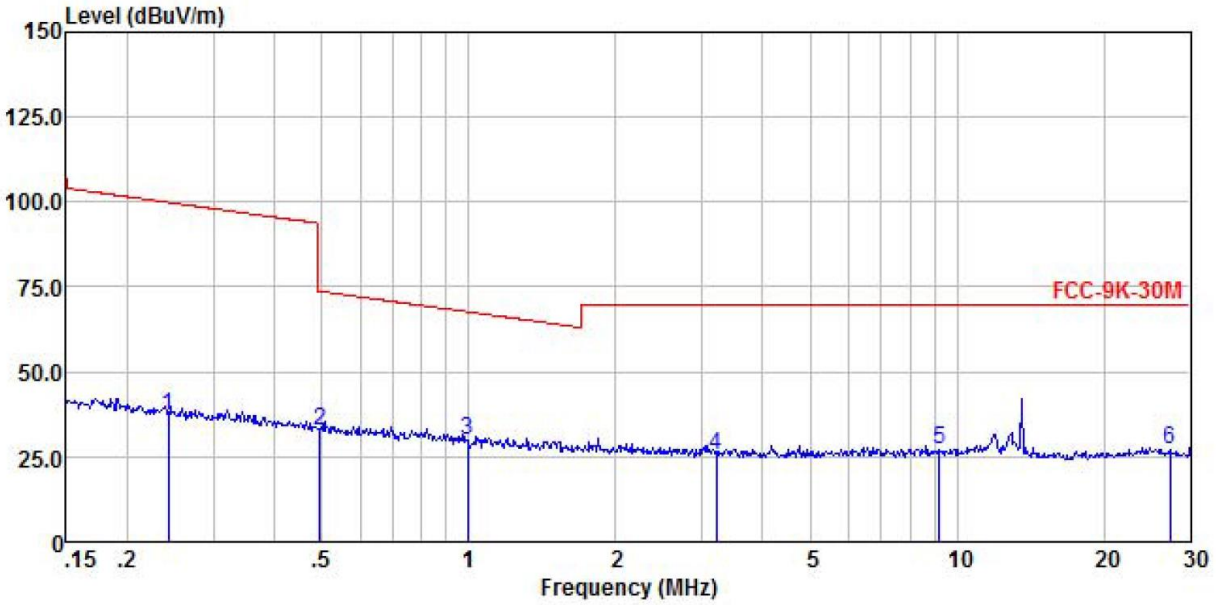


	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.235	19.06	20.42	0.05	0.00	39.53	100.18	-60.65	Peak
2	0.408	15.59	20.70	0.06	0.00	36.35	95.39	-59.04	Peak
3	0.938	11.98	20.53	0.11	0.00	32.62	68.17	-35.55	Peak
4	2.309	8.31	20.42	0.19	0.00	28.92	69.50	-40.58	Peak
5	8.279	7.10	20.23	0.32	0.00	27.65	69.50	-41.85	Peak
6	27.271	6.51	19.57	0.61	0.00	26.69	69.50	-42.81	Peak

Remark:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, not show in test report.*

Product Name:	Android PDA	Product Model:	N5501LAT
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	150 kHz ~ 30 MHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



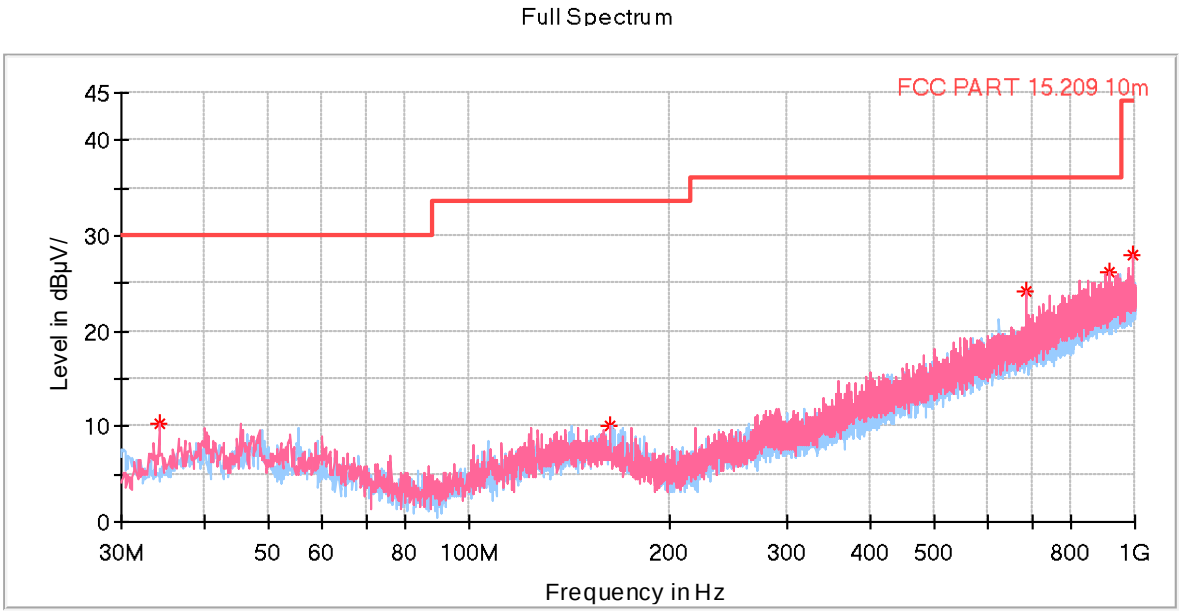
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.243	16.73	20.44	0.05	0.00	37.22	99.91	-62.69	Peak
2	0.497	11.87	20.80	0.07	0.00	32.74	73.68	-40.94	Peak
3	0.994	9.30	20.50	0.16	0.00	29.96	67.67	-37.71	Peak
4	3.207	4.91	20.36	0.23	0.00	25.50	69.50	-44.00	Peak
5	9.204	6.34	20.29	0.35	0.00	26.98	69.50	-42.52	Peak
6	27.271	6.76	19.57	0.61	0.00	26.94	69.50	-42.56	Peak

Remark:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, not show in test report.*

Test frequency range: 30MHz-1000MHz

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



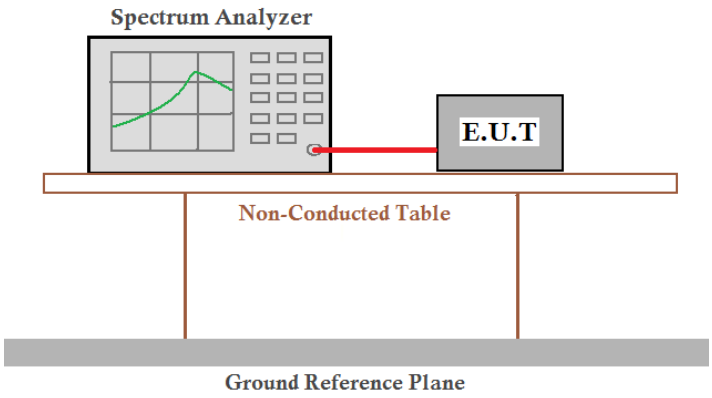
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.268000	10.28	30.00	19.72	100.0	V	0.0	-16.8
687.563000	24.24	36.00	11.76	100.0	V	39.0	-5.1
916.483000	26.23	36.00	9.77	100.0	V	193.0	-0.5
162.696000	10.09	33.50	23.41	100.0	V	202.0	-15.6
993.889000	27.93	44.00	16.07	100.0	V	288.0	0.5

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.*

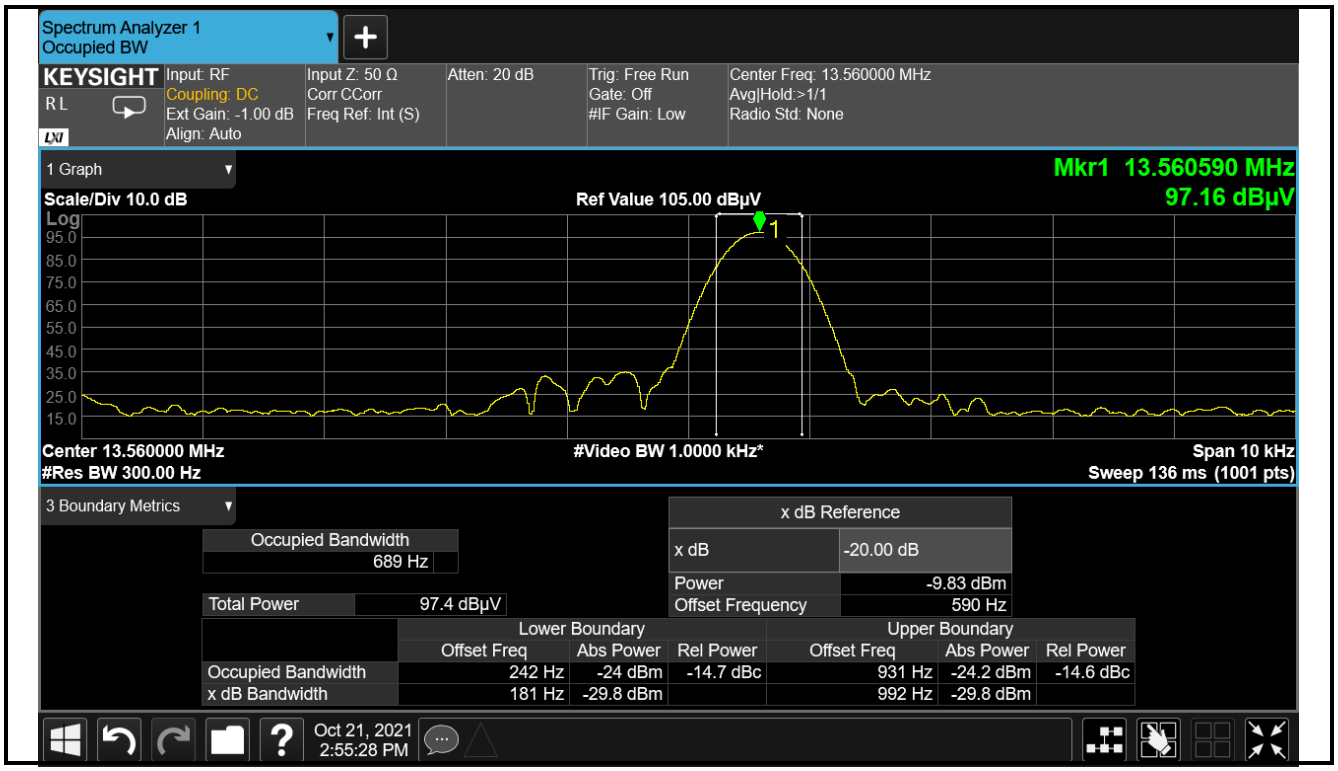
6.3 20dB Bandwidth

Test Requirement:	FCC Part15 C Section 15.215 (c)
Receiver setup:	RBW=200Hz, VBW=300Hz, detector: Peak
Limit:	The fundamental emission be kept within at least the central 80% of the permitted band
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set the EUT to proper test channel. 3. Max hold the radiated emissions, mark the peak power frequency point and the -20dB upper and lower frequency points. 4. Read 20dB bandwidth.
Test setup:	
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

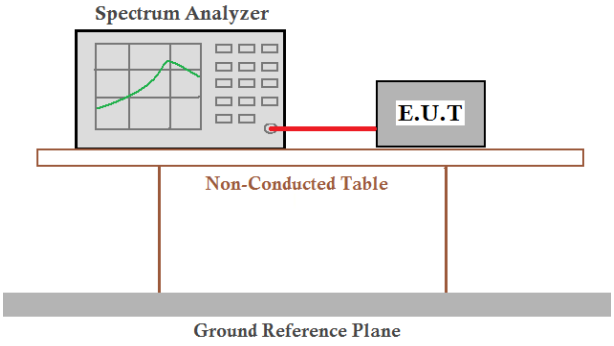
Measurement Data

20dB bandwidth (kHz)	Limit (kHz)	Results
0.590	11.2	Passed
Note: For 13.56MHz, permitted Band is 14 kHz, so the Limit is 11.2 kHz.		

Test plot as follows:



6.4 Frequency Tolerance

Test Requirement:	FCC Part15 C Section 15.225 (e)
Receiver setup:	RBW=200Hz, VBW=300Hz, span=14kHz, detector: Peak
Limit:	±0.01% of the operating frequency
Test mode:	Transmitting mode
Test Procedure:	**Frequency stability V.S. Temperature measurement** 1. The equipment under test was powered by a fresh battery. 2. RF output was connected to spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20℃ operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –20℃. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ reached **Frequency stability V.S. Voltage measurement** 1. Set chamber temperature to 25℃. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test setup:	
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

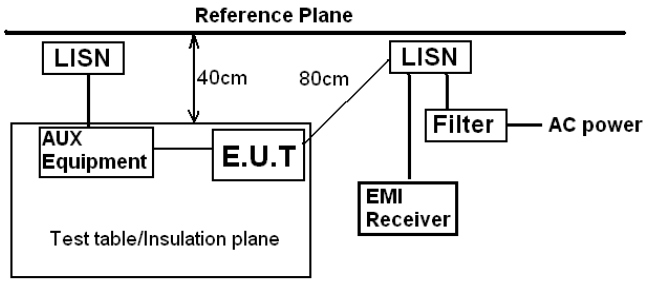
a) Frequency stability V.S. Temperature measurement

Voltage (Vdc)	Temperature (℃)	Frequency Tolerance (MHz)	Frequency Error (%)	Limit (%)	Results
3.8	-20	0.078	0.0058	±0.01	Pass
	-10	0.085	0.0063	±0.01	Pass
	0	-0.074	-0.0055	±0.01	Pass
	+10	0.079	0.0058	±0.01	Pass
	+20	-0.066	-0.0049	±0.01	Pass
	+30	0.084	0.0062	±0.01	Pass
	+40	0.067	0.0049	±0.01	Pass
	+50	-0.036	-0.0027	±0.01	Pass

b) Frequency stability V.S. Voltage measurement

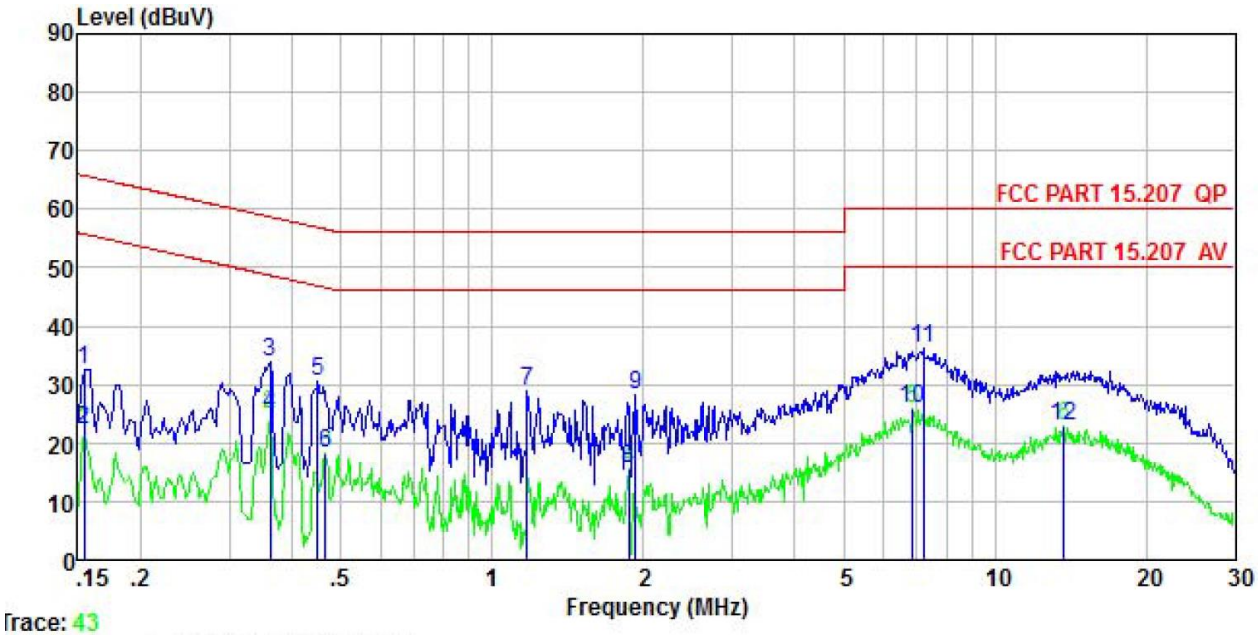
Temperature (℃)	Voltage (Vdc)	Frequency Tolerance (MHz)	Frequency Error (%)	Limit (%)	Results
25.0	3.5	-0.085	-0.0063	±0.01	Pass
	3.8	0.071	0.0052	±0.01	Pass
	4.4	0.092	0.0068	±0.01	Pass

6.5 Conducted Emission

Test Requirement:	FCC Part15 B Section 15.207		
TestFrequencyRange:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
Limit:	Frequency range (MHz)	Limit (dBμV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	0.5-30	60	50
	* Decreases with the logarithm of the frequency.		
Test setup:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*		
Test procedure	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.).It provide a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.		
Test Instruments:	Refer to section 5.9 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Pass		

Measurement Data:

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

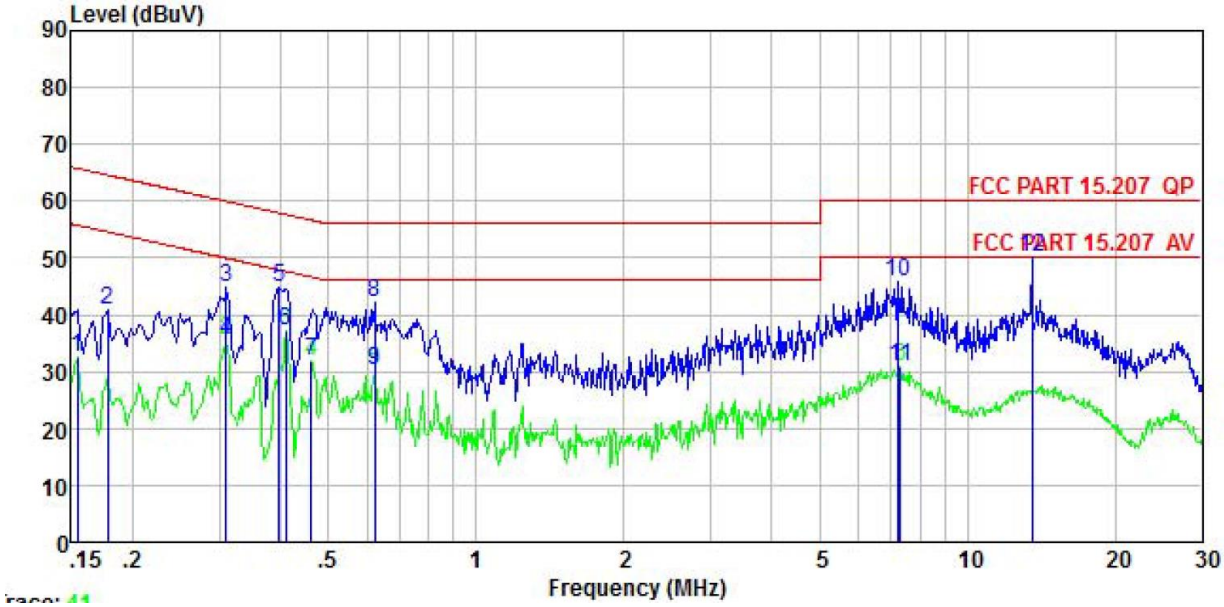


	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.154	32.65	0.00	0.01	0.01	32.67	65.78	-33.11	QP
2	0.154	22.10	0.00	0.01	0.01	22.12	55.78	-33.66	Average
3	0.361	34.04	0.00	-0.03	0.02	34.03	58.69	-24.66	QP
4	0.361	24.84	0.00	-0.03	0.02	24.83	48.69	-23.86	Average
5	0.449	30.47	0.00	-0.01	0.03	30.49	56.89	-26.40	QP
6	0.466	18.39	0.00	0.00	0.03	18.42	46.58	-28.16	Average
7	1.172	28.62	0.00	0.10	0.09	28.81	56.00	-27.19	QP
8	1.868	15.24	0.00	0.16	0.19	15.59	46.00	-30.41	Average
9	1.928	27.94	0.00	0.17	0.20	28.31	56.00	-27.69	QP
10	6.878	24.81	0.00	0.83	0.10	25.74	50.00	-24.26	Average
11	7.213	35.19	0.00	0.88	0.10	36.17	60.00	-23.83	QP
12	13.695	20.11	0.00	2.71	0.12	22.94	50.00	-27.06	Average

Notes:

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

Product name:	Android PDA	Product model:	N5501LAT
Test by:	Mike	Test mode:	NFC 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	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.154	22.38	10.19	0.01	0.01	32.59	55.78	-23.19	Average
2	0.178	30.78	10.21	0.00	0.01	41.00	64.59	-23.59	QP
3	0.310	34.45	10.25	0.00	0.03	44.73	59.97	-15.24	QP
4	0.310	25.14	10.25	0.00	0.03	35.42	49.97	-14.55	Average
5	0.398	34.48	10.27	-0.06	0.04	44.73	57.90	-13.17	QP
6	0.410	26.80	10.27	-0.05	0.04	37.06	47.64	-10.58	Average
7	0.461	21.46	10.28	0.00	0.03	31.77	46.67	-14.90	Average
8	0.621	31.86	10.29	0.04	0.02	42.21	56.00	-13.79	QP
9	0.621	19.97	10.29	0.04	0.02	30.32	46.00	-15.68	Average
10	7.252	34.34	10.49	0.89	0.10	45.82	60.00	-14.18	QP
11	7.290	19.55	10.49	0.90	0.10	31.04	50.00	-18.96	Average
12	13.551	36.79	10.69	2.67	0.12	50.27	60.00	-9.73	QP

Notes:

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

8 EUT Constructional Details

Reference to the test report No.: JYTSZB-R12-2101835

------End of report------