



Test Report No.: FV150616N010



## EMC TEST REPORT



Applicant:	Corporativo Lanix S.A. de C.V.
Address:	Carretera Internacional Hermosillo-Nogales Km 8.5, Hermosillo Sonora, Mexico

Manufacturer or Supplier	Tinno Mobile Technology Corp.
Address	4/F., H-3 Building, OCT Eastern Industrial Park. NO.1 XiangShan East Road., Nan Shan District, Shenzhen, P.R. China.
Product	Smartphone
FCC ID	ZC4LT500
Brand Name	LANIX
Model Name	Ilium LT500
Additional Model & Model Difference	N/A
Date of tests	Jun. 25, 2015 ~ Jun. 30, 2015

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

**FCC Part 15, Subpart B, Class B**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Jeffery Lee Project Engineer / EMC Department	Approved by Sam Tung Supervisor / EMC Department
	  Date: Jul. 01, 2015

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**Bureau Veritas Shenzhen Co., Ltd.  
Dongguan Branch**

No. 34, Chenwulu Section, Guantai Rd., Houjie  
Town, Dongguan City,  
Guangdong 523942, China

Tel.: +86 769 8593 5656  
Fax: +86 769 8593 1080  
Email: [customerservice.dg@cn.bureauveritas.com](mailto:customerservice.dg@cn.bureauveritas.com)



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**BUREAU**  
**VERITAS**

Test Report No.: FV150616N010

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FV150616N010	Original release	Jul. 01, 2015



# 1 GENERAL INFORMATION

## 1.1 GENERAL DESCRIPTION OF EUT

<b>PRODUCT</b>	Smartphone	
<b>MODEL NAME</b>	Ilium LT500	
<b>NOMINAL VOLTAGE</b>	5.0Vdc (adapter or host equipment) 3.7Vdc (Li-ion)	
<b>BATTERY</b>	Brand Name:	LANIX
	Model Name:	Ilium LT500-BAT
	Power Rating:	DC 3.7V, 2000mAh, Li-ion
<b>MODULATION TYPE</b>	<b>WLAN</b>	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
	<b>Bluetooth</b>	GFSK, $\pi/4$ -DQPSK, 8DPSK
	<b>GPS</b>	C/A code
	<b>GSM</b>	GMSK, 8PSK
	<b>WCDMA</b>	BPSK/QPSK
	<b>LTE</b>	QPSK/16QAM
<b>OPERATING FREQUENCY</b>	<b>WLAN</b>	2412-2462MHz for 11b/g/n(HT20) 2422-2452MHz for 11n(HT40)
	<b>Bluetooth</b>	2402MHz~2480MHz
	<b>GPS</b>	1575.42MHz
	<b>GSM</b>	824.2MHz ~ 848.8MHz (FOR GSM 850) 1850.2MHz ~ 1909.8MHz (FOR PCS 1900)
	<b>WCDMA</b>	1852.4MHz ~ 1907.6MHz (FOR WCDMA 850) 826.4MHz ~ 846.6MHz (FOR WCDMA 1900)
	<b>LTE</b>	1850MHz ~ 1910MHz (FOR LTE Band2) 1710MHz ~ 1755MHz (FOR LTE Band4) 2500MHz ~ 2570MHz (FOR LTE Band7) 704MHz ~ 716MHz (FOR LTE Band17)
<b>HW Version</b>	V1.0	
<b>SW Version</b>	ILIU LT500_TELCEL_SW_01	
<b>I/O PORTS</b>	Refer to user's manual	
<b>CABLE</b>	USB Cable: Shielded, Detachable, 1.0m Earphone Cable: Shielded, Detachable, 1.0m	
<b>ACCESSORY DEVICES</b>	Refer to note as below	

### NOTE:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT was powered by the following adapters:



<b>ADAPTER 1</b>	
<b>BRAND:</b>	LANIX
<b>MODEL:</b>	Ilium LT500-C
<b>INPUT:</b>	AC 100-240V, 150mA
<b>OUTPUT:</b>	DC 5V, 1000mA
<b>MANUFACTURER:</b>	Shenzhen BMT Electronics CO., LTD

<b>ADAPTER 2</b>	
<b>BRAND:</b>	LANIX
<b>MODEL:</b>	Ilium LT500-C
<b>INPUT:</b>	AC 100-240V, 150mA
<b>OUTPUT:</b>	DC 5V, 1000mA
<b>MANUFACTURER:</b>	Shenzhen KUNXING Technology CO., LTD

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.



## 1.2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart B			
Standard Section	Test Item	Result	Remark
FCC Part 15, Subpart B, Class B	Conducted Test	PASS	Meets limits minimum passing margin is -3.61dB at 0.49822 MHz
	Radiated Emission Test (30MHz ~ 1GHz)	PASS	Meets Class B Limit Minimum passing margin is -3.02dB at 30.00 MHz
	Radiated Emission Test (Above 1GHz)	PASS	Meets Class B Limit Minimum passing margin is -18.20dB at 5800.00MHz

## 1.3 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz ~ 30MHz	+/-2.66dB
Radiated emissions	30MHz ~ 1GHz	+/-4.06dB
	1GHz ~ 18GHz	+/-4.58dB



### 1.4 DESCRIPTION OF TEST MODES

Test Mode	Test Condition
<b>Radiated emission test</b>	
1	GSM850 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ GPS Rx
2	WCDMA Band V Idle + Adapter2 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ GPS Rx
3	WCDMA Band II Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
4	LTE B2 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
5	LTE B4 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
6	LTE B7 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
7	LTE B17 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
8	PCS1900 Idle + USB Link + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM2+ Mpeg4
<b>Conducted emission test</b>	
1	GSM850 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ GPS Rx
2	WCDMA Band V Idle + Adapter2 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ GPS Rx
3	WCDMA Band II Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
4	LTE B2 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
5	LTE B4 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
6	LTE B7 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
7	LTE B17 Idle + Adapter1 + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM1+ Camera
8	PCS1900 Idle + USB Link + USB cable + Battery+ Earphone + BT Idle + Wifi Idle(2.4G) + SIM2+ Mpeg4

**NOTE:**

1. For conducted emission test, test mode 8 was the worst case and only this mode was presented in this report.
2. For radiated emission test, test mode 8 was the worst case and only this mode was presented in this report.



## 1.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

### FOR EMISSION TESTS

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Universal Radio Communication Tester	R&S	CMU200	123259	N/A
2	Wireless AP	ABOCOM	WR224GR	060500749P	D43064
3	Bluetooth Earphone	FAP00	H6080	12098	N/A
4	Notebook	DELL	E6420	9H12FS1	N/A
5	Mouse	DELL	M056UOA	01688082	N/A
6	Printer	HP	hp LaserJet 1300	CNSJF75989	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
2	N/A
3	N/A
4	DC Line: Unshielded, Undetachable, 2.0m
5	USB Line: Unshielded, Undetachable 1.8m;
6	USB Line: Shielded, Detachable 1.5m;

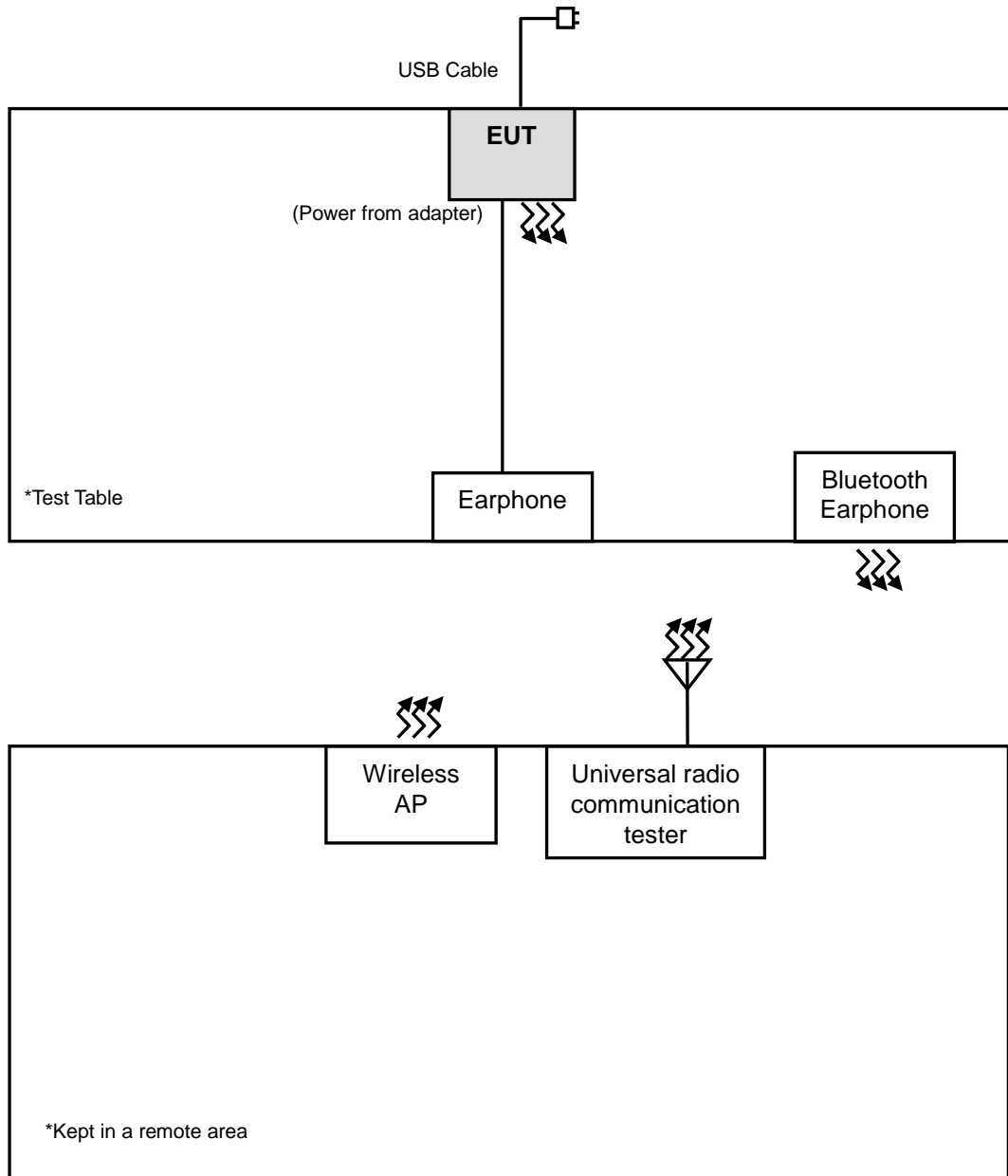
#### NOTE:

1. All power cords of the above support units are non shielded (1.8m).
2. Items 3-4 acted as communication partners.





## 1.6 CONFIGURATION OF SYSTEM UNDER TEST





## 2 EMISSION TEST

### 2.1 CONDUCTED EMISSION MEASUREMENT

#### 2.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.107)

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBµV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

**NOTE:** 1.The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

#### 2.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU 26	100005	April 25,15	April 24,16
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	April 25,15	April 24,16
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	April 25,15	April 24,16
Test software	ADT	ADT_Cond_V7.3.7	N/A	N/A	N/A

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

2. The test was performed in Dongguan Shielded Room 553.



### 2.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

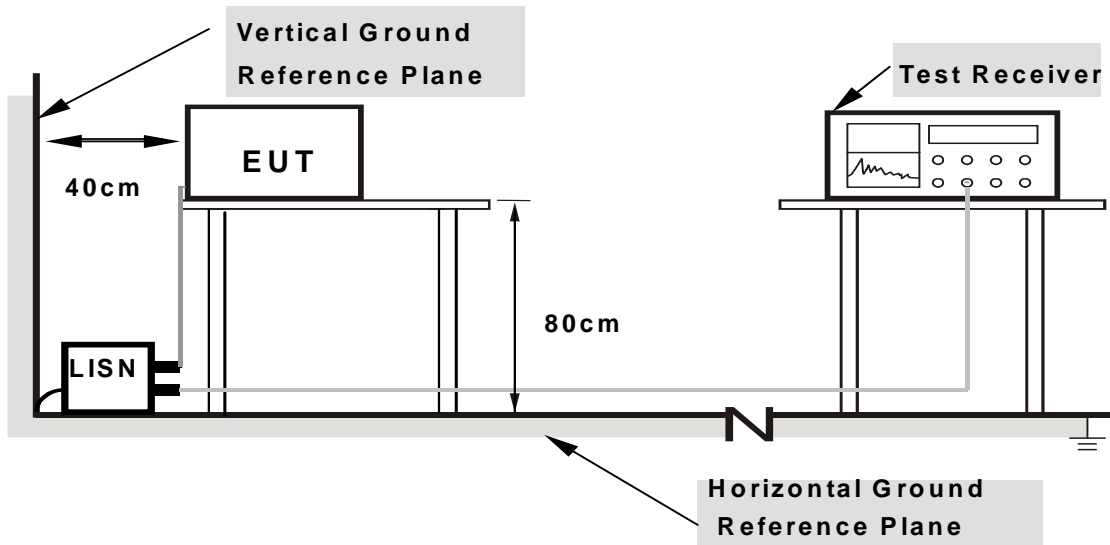
**NOTE:** All modes of operation were investigated and the worst-case emissions are reported.

### 2.1.4 DEVIATION FROM TEST STANDARD

No deviation.



## 2.1.5 TEST SETUP



- Note:**
- 1.Support units were connected to second LISN.
  - 2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

## 2.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the use type described in the manufacturer's specifications or the user's manual.

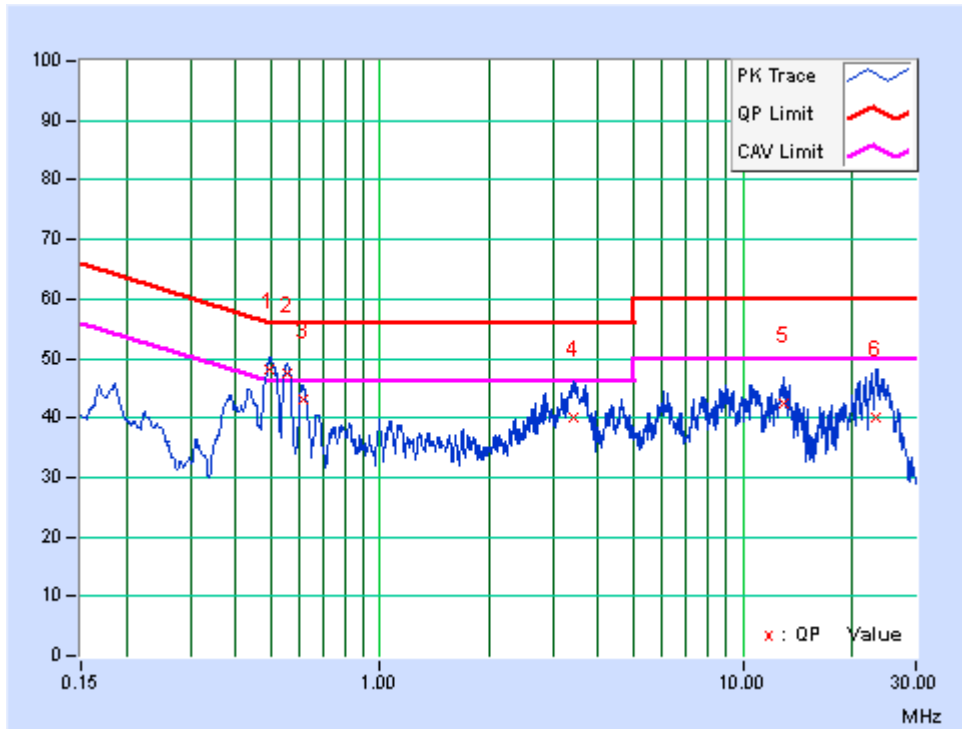


### 2.1.7 TEST RESULTS

<b>TEST VOLTAGE</b>	DC 5V From Adapter Input 230 Vac, 50 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 61RH	<b>PHASE</b>	Line (L)
<b>TESTED BY</b>	David		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.49822	9.76	38.37	32.66	48.13	42.42	56.03	46.03	-7.90	-3.61
2	0.55664	9.75	37.75	29.60	47.50	39.35	56.00	46.00	-8.50	-6.65
3	0.61125	9.75	33.40	15.78	43.15	25.53	56.00	46.00	-12.85	-20.47
4	3.40566	9.74	30.25	21.10	39.99	30.84	56.00	46.00	-16.01	-15.16
5	12.93225	9.82	32.58	21.55	42.40	31.37	60.00	50.00	-17.60	-18.63
6	23.235	10.13	29.97	20.18	40.10	30.31	60.00	50.00	-19.90	-19.69

**REMARKS:** The emission levels of other frequencies were very low against the limit.

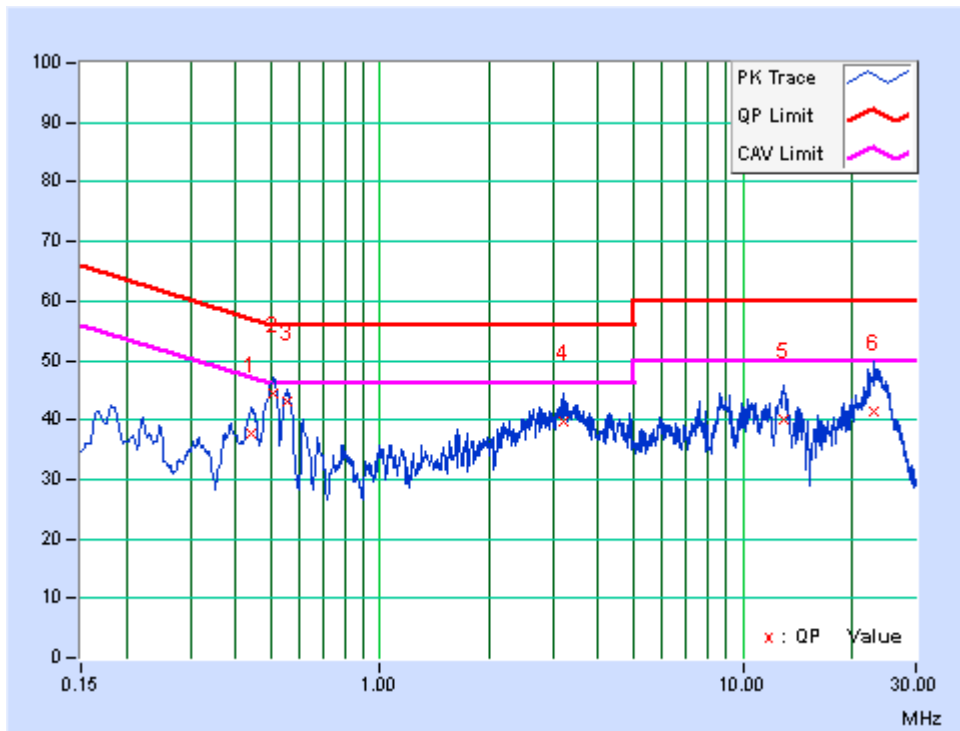




<b>TEST VOLTAGE</b>	DC 5V From Adapter Input 230 Vac, 50 Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 61RH	<b>PHASE</b>	Neutral(N)
<b>TESTED BY</b>	David		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
	1	0.4424	9.54	28.21	20.17	37.75	29.71	57.02	47.02	-19.26
2	0.5102	9.45	35.09	22.57	44.54	32.02	56.00	46.00	-11.46	-13.98
3	0.55664	9.45	33.59	23.03	43.04	32.48	56.00	46.00	-12.96	-13.52
4	3.22197	9.48	30.16	17.34	39.64	26.82	56.00	46.00	-16.36	-19.18
5	13.00875	9.59	30.36	17.05	39.95	26.64	60.00	50.00	-20.05	-23.36
6	22.92225	9.82	31.44	18.91	41.26	28.73	60.00	50.00	-18.74	-21.27

**REMARKS:** The emission levels of other frequencies were very low against the limit.





## 2.2 RADIATED EMISSION MEASUREMENT

### 2.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.109)

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

Radiated Emissions Limits at 10 meters (dBµV/m)				
Frequencies (MHz)	FCC 15B/ ICES-003, Class A	FCC 15B / ICES-003, Class B	CISPR 22, Class A	CISPR 22, Class B
30-88	39	29.5	40	30
88-216	43.5	33.1		
216-230	46.4	35.6		
230-960			47	37
960-1000	49.5	43.5	Not defined	Not defined
1000-3000	Avg: 49.5	Avg: 43.5		
3000+	Peak: 69.5	Peak: 63.5	Not defined	Not defined

Radiated Emissions Limits at 3 meters (dBµV/m)				
Frequencies (MHz)	FCC 15B / ICES-003, Class A	FCC 15B / ICES-003, Class B	CISPR 22, Class A	CISPR 22, Class B
30-88	49.5	40	50.5	40.5
88-216	54	43.5		
216-230	56.9	46		
230-960			57.5	47.5
960-1000	60	54	Avg: 56 Peak: 76	Avg: 50 Peak: 70
1000-3000	Avg: 60	Avg: 54		
3000+	Peak: 80	Peak: 74	Avg: 60 Peak: 80	Avg: 54 Peak: 74

- NOTE:**
1. The lower limit shall apply at the transition frequencies.
  2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
  3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
  4. QP detector shall be applied if not specified.



## 2.2.2 TEST INSTRUMENTS

### For frequency below 1G

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESCI	100962	Mar. 05,15	Mar. 04,16
EMI Test Receiver	Rohde&Schwarz	ESCI	101418	Mar. 05,15	Mar. 04,16
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-554	Dec. 08, 14	Dec. 07, 15
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-555	Nov. 24, 14	Nov. 23, 15
Signal Amplifier	Agilent	8447D	2944A10488	Jun. 24,15	Jun. 23,16
Signal Amplifier	Agilent	8447D	2944A11174	Jun. 24,15	Jun. 23,16
10m Semi-anechoic Chamber	CHANGLING	21.4m*12.1m*8.8m	NSEMC006	Jun. 10, 15	Jun. 09, 16
Test Software	ADT	ADT_Radiated_V8.7.x	N/A	N/A	N/A

### Frequency range above 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	ETS-Lindgren	3117	00085519	Feb. 03,15	Feb. 02,17
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170242	Feb. 13,14	Feb. 12,17
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101003	Apr. 07, 15	Apr. 06, 16
Pre-Amplifier (100MHz-26.5GHz)	EMCI	EMC 012645	980077	May 26,15	May 25,16
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Nov. 20,14	Nov. 19,15
Test Software	ADT	ADT_Radiated_V8.7.x	N/A	N/A	N/A

- NOTE:**
1. The test was performed in 10m Chamber.
  2. The calibration interval of the above test instruments is 12 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
  3. The FCC Site Registration No. is 502831.





## 2.2.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2009 (section 12).

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meters Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 10 meters (below 1GHz) and 3 meters (above 1GHz) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna 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. The bore sight should be used during the test above 1GHz.
- d. 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 rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test receiver/spectrum was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.

### NOTE:

1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Average detection (AV) at frequency above 1GHz.
3. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
4. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
5. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier);
6. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain(dB) (if the raw value contains the amplifier).
7. Margin value = Emission level – Limit value.

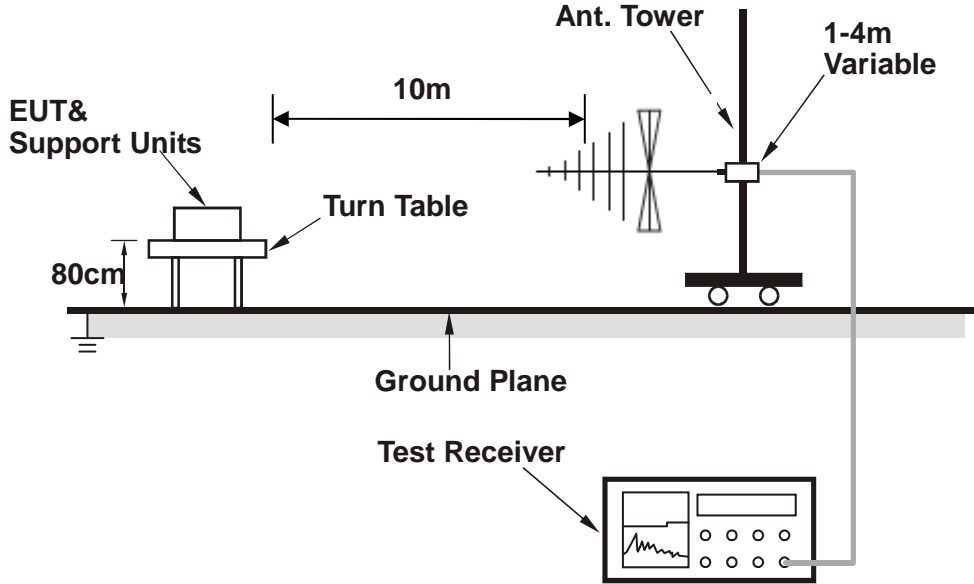
## 2.2.4 DEVIATION FROM TEST STANDARD

No deviation.

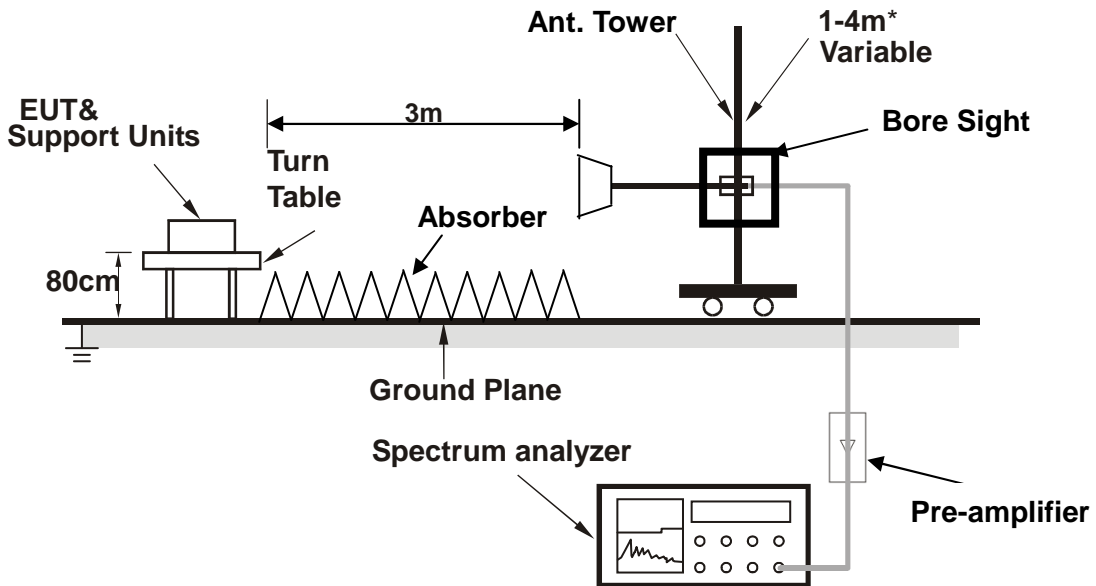


### 2.2.5 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



\* : depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

### 2.2.6 EUT OPERATING CONDITIONS

Same as item 2.1.6.

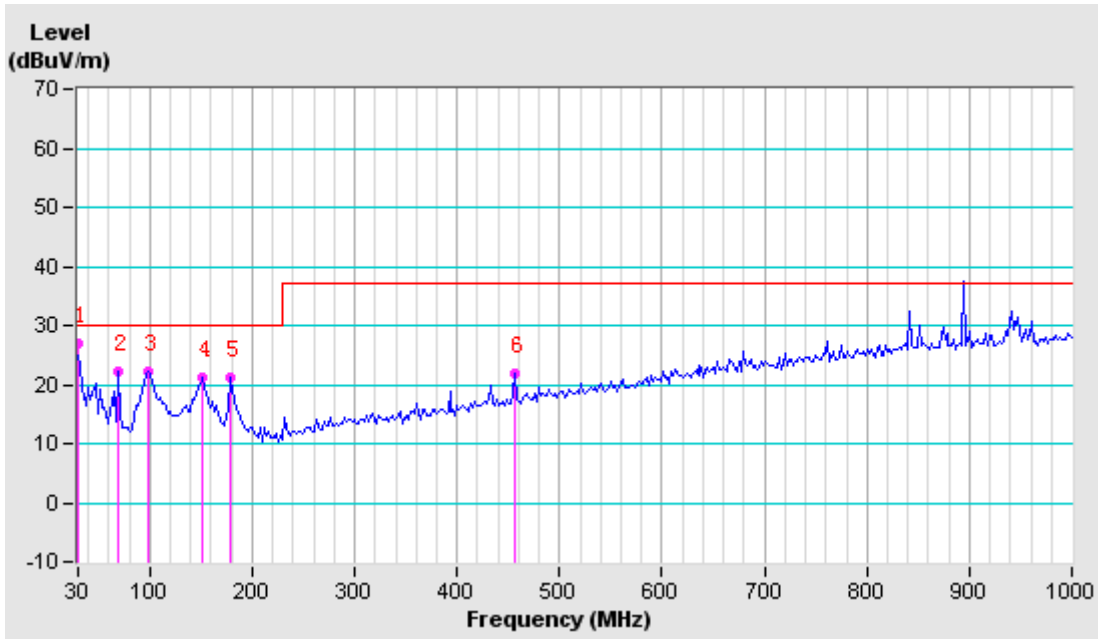


### 2.2.7 TEST RESULTS

<b>TEST VOLTAGE</b>	DC 5V From Adapter Input 230 Vac, 50 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 63 %RH	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Quasi-Peak , 120 kHz
<b>TESTED BY</b>	Cheng Zhong		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	30.00	-15.39	42.37	26.98	30.00	-3.02	400	134
2	68.80	-16.05	38.22	22.17	30.00	-7.83	400	5
3	97.90	-18.23	40.42	22.19	30.00	-7.81	400	151
4	152.22	-13.99	35.10	21.11	30.00	-8.89	400	113
5	179.38	-14.59	35.92	21.33	30.00	-8.67	400	19
6	456.80	-9.11	30.90	21.79	37.00	-15.21	400	95

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  2. Negative sign (-) in the margin column signify levels below the limit.
  3. Frequency range scanned: 30MHz to 1000MHz.
  4. Only emissions significantly above equipment noise floor are reported.

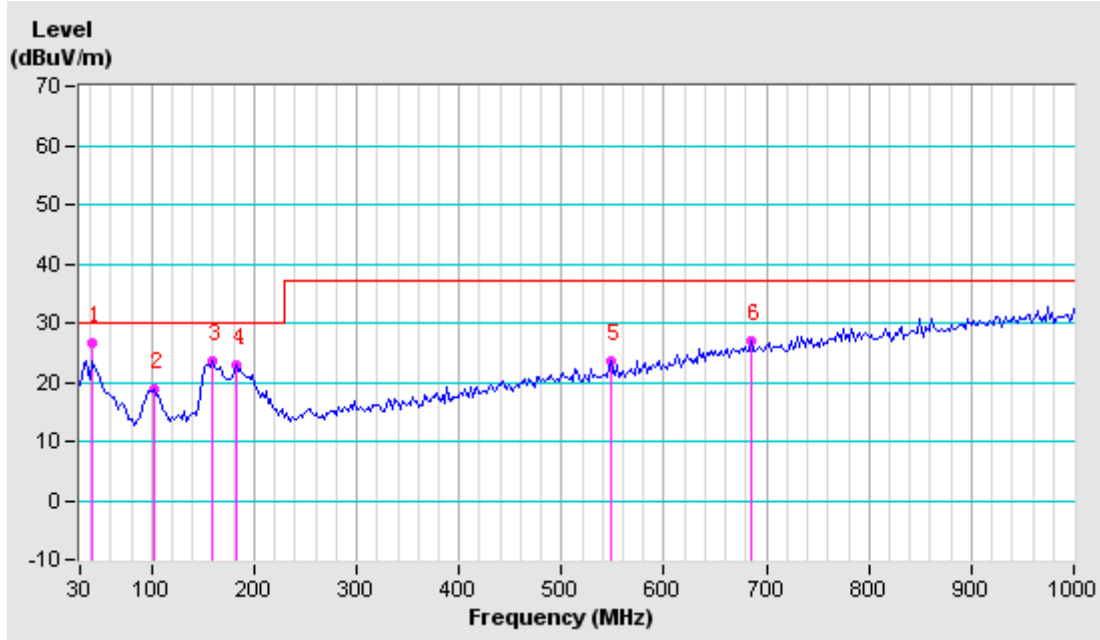




<b>TEST VOLTAGE</b>	DC 5V From Adapter Input 230 Vac, 50 Hz	<b>FREQUENCY RANGE</b>	30-1000 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	22deg. C, 63 %RH	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Quasi-Peak , 120 kHz
<b>TESTED BY</b>	Cheng Zhong		

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 10 M</b>								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	41.64	-13.47	40.02	26.55	30.00	-3.45	100	181
2	101.78	-16.71	35.55	18.84	30.00	-11.16	100	72
3	159.98	-11.72	35.28	23.56	30.00	-6.44	100	226
4	183.26	-13.80	36.84	23.04	30.00	-6.96	100	192
5	547.98	-4.82	28.35	23.53	37.00	-13.47	100	134
6	685.72	-0.73	27.78	27.05	37.00	-9.95	100	350

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  2. Negative sign (-) in the margin column signify levels below the limit.
  3. Frequency range scanned: 30MHz to 1000MHz.
  4. Only emissions significantly above equipment noise floor are reported.





<b>TEST VOLTAGE</b>	DC 5V From Adapter Input 230 Vac, 50 Hz	<b>FREQUENCY RANGE</b>	1-6 GHz
<b>ENVIRONMENTAL CONDITIONS</b>	22 deg. C, 63% RH	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak/Average, 1 MHz
<b>TESTED BY</b>	Cheng Zhong		

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 10M</b>								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	1580 PK	-11.48	63.11	51.63	74.00	-22.37	105	100
2	1580 AV	-11.48	31.33	19.85	54.00	-34.15	105	100
3	3750 PK	-3.86	58.06	54.20	74.00	-19.80	100	150
4	3750 AV	-3.86	25.36	21.50	54.00	-32.50	100	150
<b>5</b>	<b>5800 PK</b>	<b>-0.09</b>	<b>55.89</b>	<b>55.80</b>	<b>74.00</b>	<b>-18.20</b>	<b>185</b>	<b>215</b>
6	5800 AV	-0.09	28.69	28.60	54.00	-25.40	185	215

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 10 M</b>								
No	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	1600 PK	-11.33	64.60	53.27	74.00	-20.73	100	110
2	1600 AV	-11.33	32.81	21.48	54.00	-32.52	100	110
3	3500 PK	-4.30	59.60	55.30	74.00	-18.70	150	185
4	3500 AV	-4.30	30.70	26.40	54.00	-27.60	150	185
5	5410 PK	-1.01	52.31	51.30	74.00	-22.70	130	310
6	5410 AV	-1.01	19.91	18.90	54.00	-35.10	130	310

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  2. Negative sign (-) in the margin column signify levels below the limit.
  3. Frequency range scanned: 1GHz to 6GHz.
  4. Only emissions significantly above equipment noise floor are reported.



**BUREAU  
VERITAS**

Test Report No.: FV150616N010

### **3 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB**

No any modifications were made to the EUT by the lab during the test.

**---END---**