APPLICATION FOR VERIFICATION
On Behalf of
IMC INTERNATIONAL INC.

4 inch 3G TABLET
Model No.: ICE

FCC ID: 2ACI7-ICE

Prepared for	:	IMC INTERNATIONAL INC.
Address	:	28E Jingang, xixiang,Bao an District, Shenzhen, Guangdong Province, China
Prepared by	:	Accurate Technology Co., Ltd.
Address	:	F1, Bldg. A&D, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, Shenzhen 518057, P.R. China Tel: +86-755-26503290 Fax: +86-755-26503396

Report No.	:	ATE20141090
Date of Test	:	Jun 18, 2014- July 11, 2014
Date of Report	:	July 11, 2014

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Description Page

Test Report Declaration

Applicant : IMC INTERNATIONAL INC.

Manufacturer : IMC INTERNATIONAL INC.

EUT Description : 4 inch 3G TABLET

(A) MODEL NO.: ICE

(B) Trade Name.: /

(C) POWER SUPPLY: DC 3.7V (Powered by battery) or AC 120V/60Hz (Powered by adapter)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B Class B & ANSI C63.4: 2009

The device described above is tested by Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Accurate Technology Co., Ltd.

Date of Test : Jun 18, 2014-July 11, 2014

Prepared by : Tim Zhang

(Tim.zhang, Engineer)

Approved & Authorized Signer :

(Sean, Manager)

1. TEST RESULTS SUMMARY

Test Items	Test Standard	Test Results
Power Line Conducted Emission	FCC Part 15 Subpart B	Pass
Radiated Emission	FCC Part 15 Subpart B	Pass

2. GENERAL INFORMATION

2.1.Product of Device (EUT)

Product	:	4 inch 3G TABLET
Model No.	:	ICE
Applicant	:	IMC INTERNATIONAL INC.
Address	:	28E Jingang, xixiang,Bao an District, Shenzhen, Guangdong Province, China
Manufacturer	:	IMC INTERNATIONAL INC.
Address	:	28E Jingang, xixiang,Bao an District, Shenzhen, Guangdong Province, China
Power Supply	:	DC 3.7V (Powered by Battery) AC 120V/60Hz (Powered by Adapter)
Adapter	:	Model:UBP-A806-051000 Input: AC 100-240VAC 50/60Hz Output: 5.0V 1.0A
Date of sample received	:	Jun 18, 2014
Date of Test	:	Jun 18, 2014-July 11, 2014

2.2.Accessory and Auxiliary Equipment

N/A

2.3.Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen, May 10, 2004

Listed by FCC
The Registration Number is 253065
Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-1
Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee for Laboratories
The Certificate Registration Number is L3193

Name of Firm : Accurate Technology Co., Ltd.
Site Location : F1, Bldg. A&D, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, Shenzhen 518057, P.R. China

2.4.Measurement Uncertainty

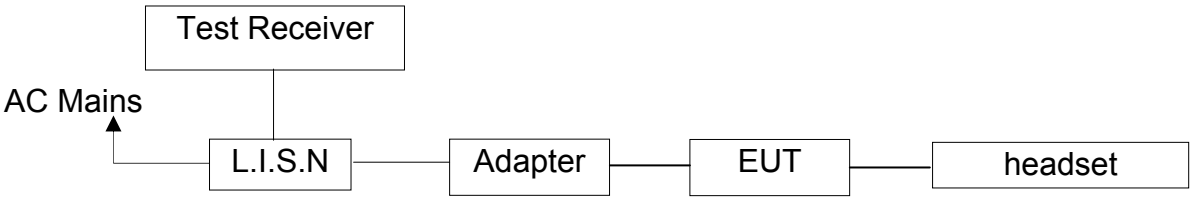
Conducted emission expanded uncertainty	:	U=2.23dB, k=2
Power disturbance expanded uncertainty	:	U=2.92dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	:	U=3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	:	U=4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	:	U=4.06dB, k=2

3. POWER LINE CONDUCTED MEASUREMENT

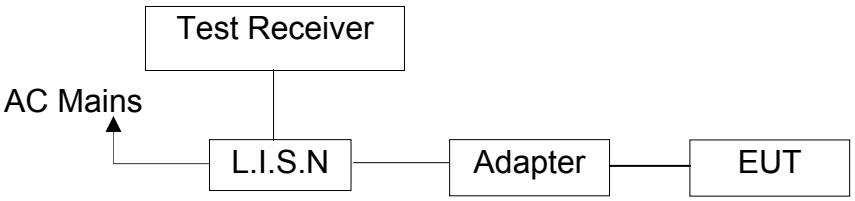
3.1. For Power Line Conducted Emission

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCS30	100307	Jan. 11, 2014	1 Year
2.	L.I.S.N.	Schwarzbeck	NLSK8126	8126431	Jan. 11, 2014	1 Year
3.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	Jan. 11, 2014	1 Year
4.	50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	Jan. 11, 2014	1 Year
Expanded Uncertainty: U= 2.23dB, k=2						

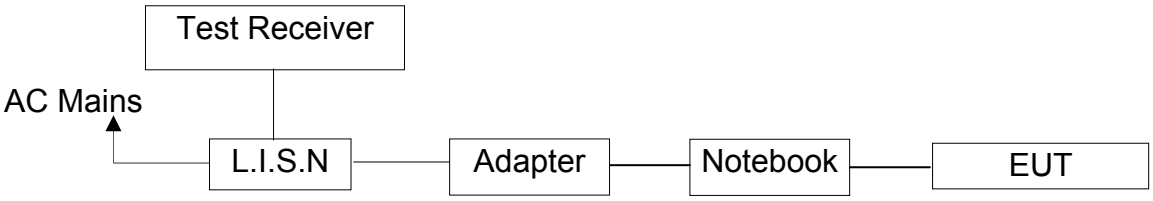
3.2. Block Diagram of Test Setup



(Mode1: Charging&Playing)



(Mode2: Charging&Camera)



(Mode3: Charging&Transfer data)

3.3. Power Line Conducted Emission Measurement Limits (Class B)

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15—0.50	66—56*	56—46*
0.50—5.00	56	46
5.00—30.0	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

3.4. Configuration of EUT on Measurement

The equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

3.5. Operating Condition of EUT

3.5.1.Setup the EUT and simulator as shown as Section 3.2.

3.5.2.Turn on the power of all equipment.

3.5.3.Let the EUT work in test mode and measure it.

3.6. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.7. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Test mode : Charging+Playing

MEASUREMENT RESULT: "IMC-F004_fin"

2014-6-27 9:31

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150300	55.60	10.5	66	10.4	QP	L1	GND
0.216214	56.10	10.7	63	6.9	QP	L1	GND
0.288871	47.30	10.8	61	13.3	QP	L1	GND

MEASUREMENT RESULT: "IMC-F004_fin2"

2014-6-27 9:31

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.216214	45.20	10.7	53	7.8	AV	L1	GND
0.287719	39.00	10.8	51	11.6	AV	L1	GND
0.647535	33.30	11.0	46	12.7	AV	L1	GND

MEASUREMENT RESULT: "IMC-F003_fin"

2014-6-27 9:28

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	56.30	10.5	66	9.7	QP	N	GND
0.216647	55.40	10.7	63	7.5	QP	N	GND
0.287719	47.20	10.8	61	13.4	QP	N	GND

MEASUREMENT RESULT: "IMC-F003_fin2"

2014-6-27 9:28

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.215783	43.30	10.7	53	9.7	AV	N	GND
0.359876	36.70	10.9	49	12.0	AV	N	GND
0.504427	32.80	11.0	46	13.2	AV	N	GND

Test mode : Charging+ Camera

MEASUREMENT RESULT: "IMC-F005_fin"

2014-6-27 9:33

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	56.20	10.5	66	9.8	QP	L1	GND
0.216214	56.00	10.7	63	7.0	QP	L1	GND
0.287719	47.50	10.8	61	13.1	QP	L1	GND

MEASUREMENT RESULT: "IMC-F005_fin2"

2014-6-27 9:33

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.216214	45.20	10.7	53	7.8	AV	L1	GND
0.288294	39.10	10.8	51	11.5	AV	L1	GND
0.647535	33.20	11.0	46	12.8	AV	L1	GND

MEASUREMENT RESULT: "IMC-F006_fin"

2014-6-27 9:36

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	55.90	10.5	66	10.1	QP	N	GND
0.216214	55.50	10.7	63	7.5	QP	N	GND
0.287719	47.20	10.8	61	13.4	QP	N	GND

MEASUREMENT RESULT: "IMC-F006_fin2"

2014-6-27 9:36

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.216214	43.40	10.7	53	9.6	AV	N	GND
0.359876	36.80	10.9	49	11.9	AV	N	GND
0.504427	32.70	11.0	46	13.3	AV	N	GND

Test mode : Charging+ Transfer data

MEASUREMENT RESULT: "IMC-F02_fin"

2014-6-26 9:24

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150450	49.30	10.5	66	16.7	QP	L1	GND
2.928308	31.30	11.0	56	24.7	QP	L1	GND
5.330935	24.60	11.0	60	35.4	QP	L1	GND

MEASUREMENT RESULT: "IMC-F02_fin2"

2014-6-26 9:24

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.435736	25.80	10.9	47	21.3	AV	L1	GND
1.388943	22.70	11.0	46	23.3	AV	L1	GND
18.927711	21.60	11.0	50	28.4	AV	L1	GND

MEASUREMENT RESULT: "IMC-F01_fin"

2014-6-26 9:22

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.151354	51.20	10.5	66	14.7	QP	N	GND
2.928308	29.90	11.0	56	26.1	QP	N	GND
5.235978	25.90	11.0	60	34.1	QP	N	GND

MEASUREMENT RESULT: "IMC-F01_fin2"

2014-6-26 9:22

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.434433	25.20	10.9	47	22.0	AV	N	GND
2.628955	23.30	11.0	46	22.7	AV	N	GND
5.251686	22.10	11.0	50	27.9	AV	N	GND

Note: During the test, Let the EUT and PC maintain the status of transfer data to each other

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.

ACCURATE TECHNOLOGY CO.,LTD

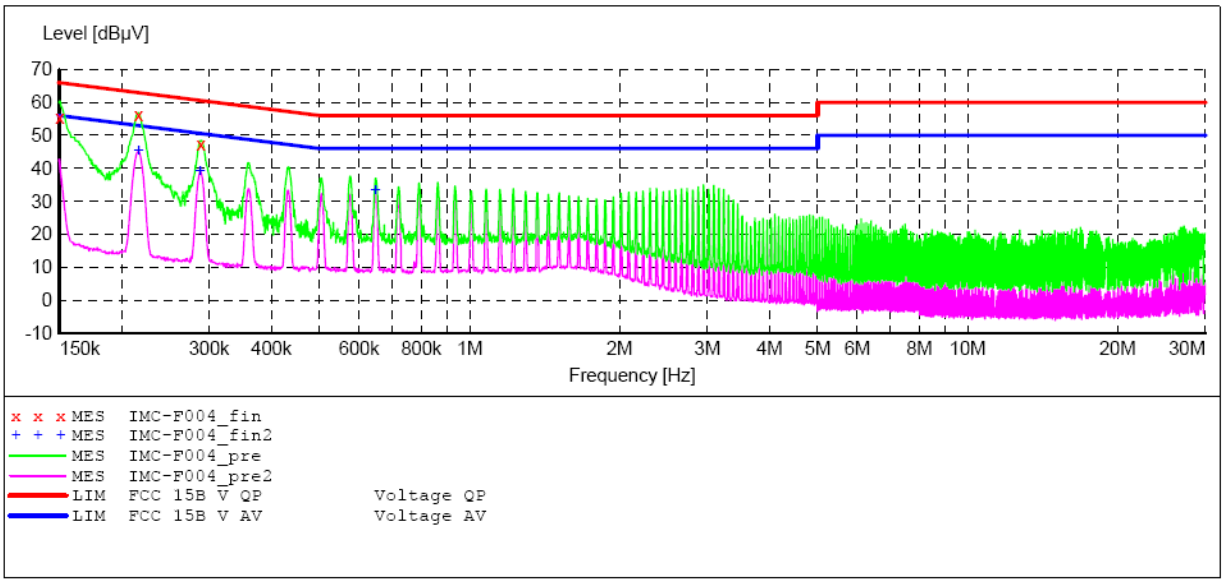
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 4"3G TABLET M/N:ICE
Manufacturer: IMC
Operating Condition: Video Playing
Test Site: 1#Shielding Room
Operator: Alen
Test Specification: L 120V/60Hz
Comment: Report No:ATE20141090
Start of Test: 2014-6-27 / 9:29:26

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "IMC-F004_fin"

2014-6-27 9:31

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150300	55.60	10.5	66	10.4	QP	L1	GND
0.216214	56.10	10.7	63	6.9	QP	L1	GND
0.288871	47.30	10.8	61	13.3	QP	L1	GND

MEASUREMENT RESULT: "IMC-F004_fin2"

2014-6-27 9:31

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.216214	45.20	10.7	53	7.8	AV	L1	GND
0.287719	39.00	10.8	51	11.6	AV	L1	GND
0.647535	33.30	11.0	46	12.7	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

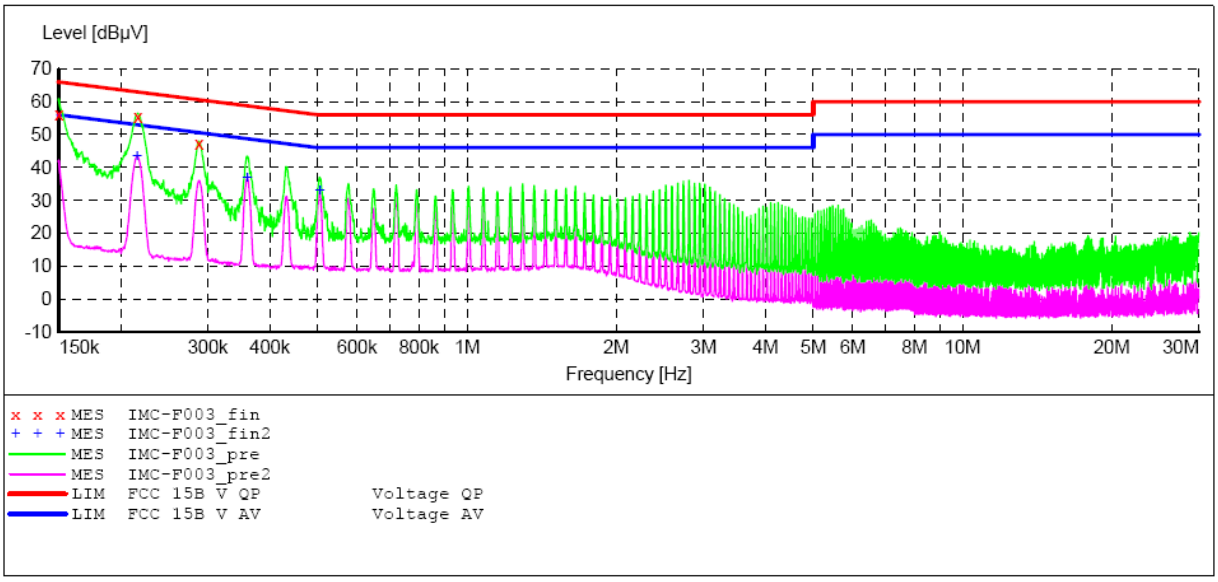
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 4"3G TABLET M/N:ICE
Manufacturer: IMC
Operating Condition: Video Playing
Test Site: 1#Shielding Room
Operator: Alen
Test Specification: N 120V/60Hz
Comment: Report No:ATE20141090
Start of Test: 2014-6-27 / 9:27:10

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "IMC-F003_fin"

2014-6-27 9:28

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	56.30	10.5	66	9.7	QP	N	GND
0.216647	55.40	10.7	63	7.5	QP	N	GND
0.287719	47.20	10.8	61	13.4	QP	N	GND

MEASUREMENT RESULT: "IMC-F003_fin2"

2014-6-27 9:28

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.215783	43.30	10.7	53	9.7	AV	N	GND
0.359876	36.70	10.9	49	12.0	AV	N	GND
0.504427	32.80	11.0	46	13.2	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

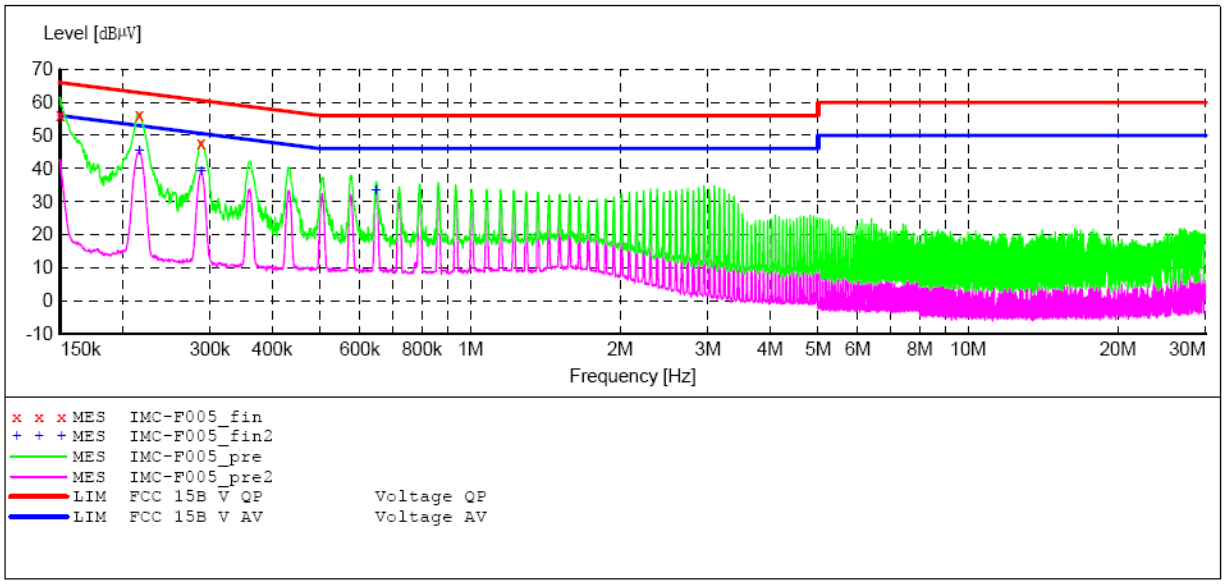
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 4"3G TABLET M/N:ICE
Manufacturer: IMC
Operating Condition: Camera
Test Site: 1#Shielding Room
Operator: Alen
Test Specification: L 120V/60Hz
Comment: Report No:ATE20141090
Start of Test: 2014-6-27 / 9:32:12

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "IMC-F005_fin"

2014-6-27 9:33

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	56.20	10.5	66	9.8	QP	L1	GND
0.216214	56.00	10.7	63	7.0	QP	L1	GND
0.287719	47.50	10.8	61	13.1	QP	L1	GND

MEASUREMENT RESULT: "IMC-F005_fin2"

2014-6-27 9:33

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.216214	45.20	10.7	53	7.8	AV	L1	GND
0.288294	39.10	10.8	51	11.5	AV	L1	GND
0.647535	33.20	11.0	46	12.8	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

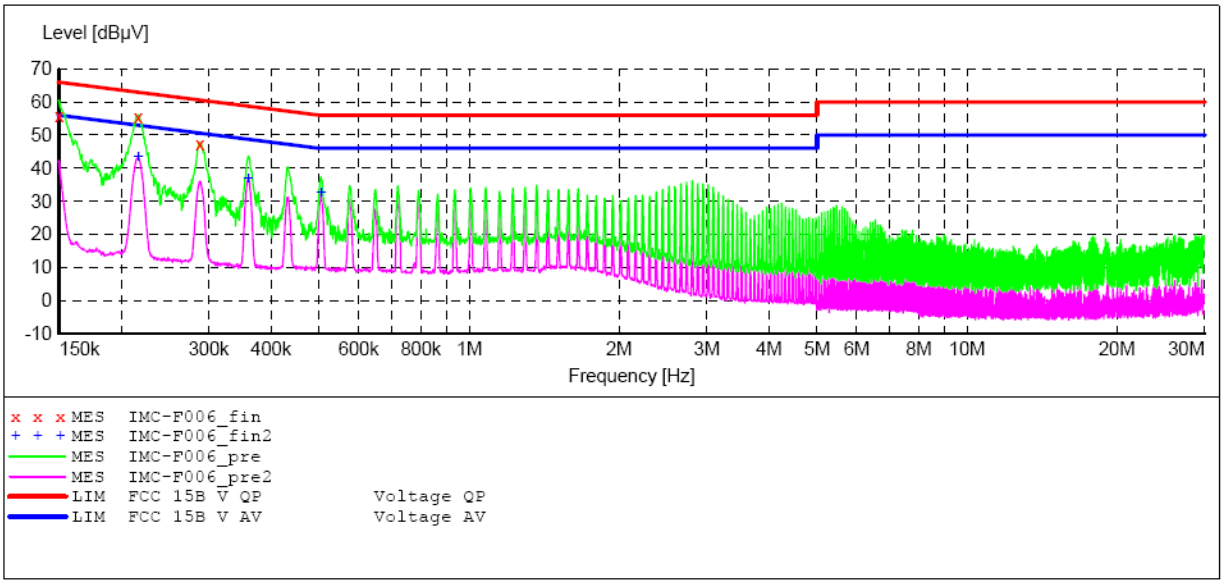
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 4"3G TABLET M/N:ICE
Manufacturer: IMC
Operating Condition: Camera
Test Site: 1#Shielding Room
Operator: Alen
Test Specification: N 120V/60Hz
Comment: Report No:ATE20141090
Start of Test: 2014-6-27 / 9:34:22

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "IMC-F006_fin"

2014-6-27 9:36

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	55.90	10.5	66	10.1	QP	N	GND
0.216214	55.50	10.7	63	7.5	QP	N	GND
0.287719	47.20	10.8	61	13.4	QP	N	GND

MEASUREMENT RESULT: "IMC-F006_fin2"

2014-6-27 9:36

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.216214	43.40	10.7	53	9.6	AV	N	GND
0.359876	36.80	10.9	49	11.9	AV	N	GND
0.504427	32.70	11.0	46	13.3	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

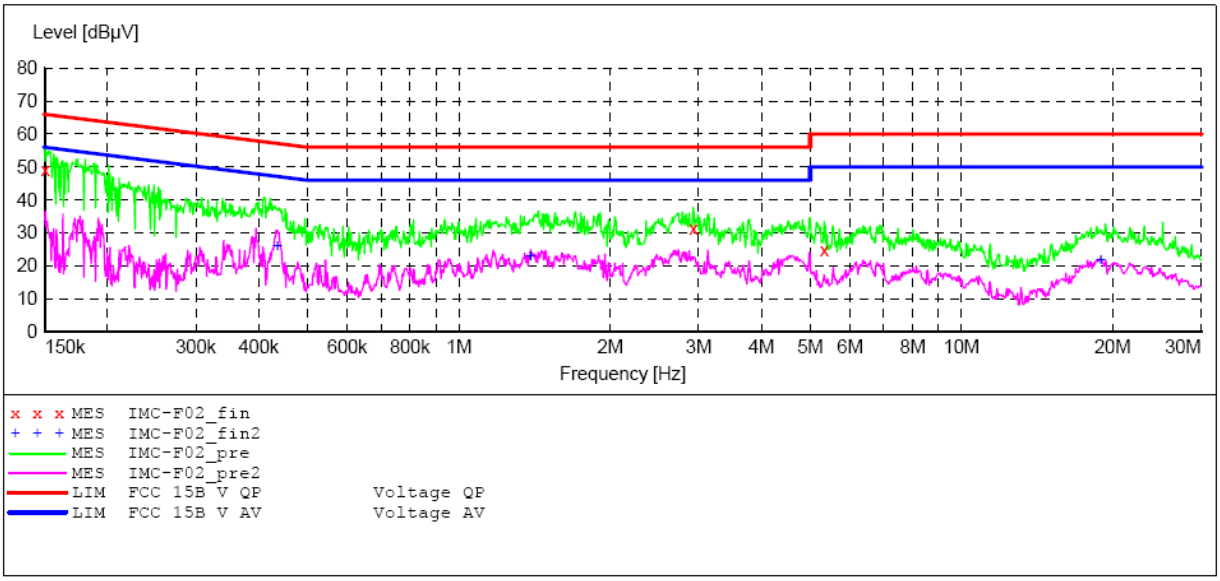
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 4"3G TABLET M/N:ICE
Manufacturer: IMC
Operating Condition: Transfer data
Test Site: 1#Shielding Room
Operator: Alen
Test Specification: L 120V/60Hz
Comment: Report No:ATE20141090
Start of Test: 2014-6-26 / 9:22:39

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "IMC-F02_fin"

2014-6-26 9:24

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150450	49.30	10.5	66	16.7	QP	L1	GND
2.928308	31.30	11.0	56	24.7	QP	L1	GND
5.330935	24.60	11.0	60	35.4	QP	L1	GND

MEASUREMENT RESULT: "IMC-F02_fin2"

2014-6-26 9:24

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.435736	25.80	10.9	47	21.3	AV	L1	GND
1.388943	22.70	11.0	46	23.3	AV	L1	GND
18.927711	21.60	11.0	50	28.4	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

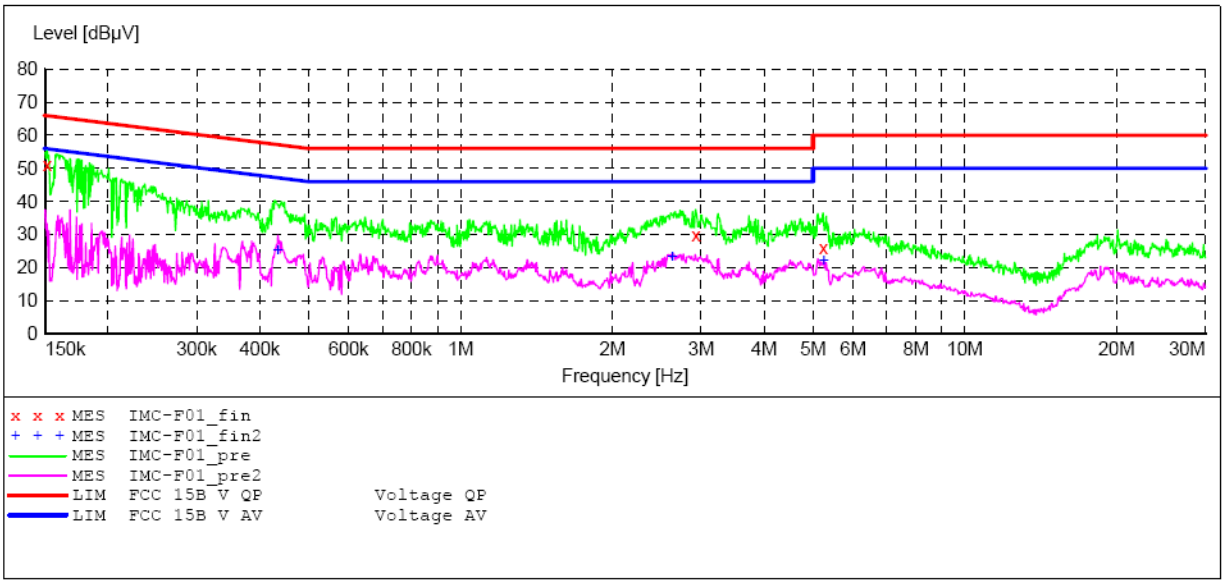
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 4"3G TABLET M/N:ICE
Manufacturer: IMC
Operating Condition: Transfer data
Test Site: 1#Shielding Room
Operator: Alen
Test Specification: N 120V/60Hz
Comment: Report No:ATE20141090
Start of Test: 2014-6-26 / 9:20:15

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	LISN(ESH3-Z5)



MEASUREMENT RESULT: "IMC-F01_fin"

2014-6-26 9:22

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.151354	51.20	10.5	66	14.7	QP	N	GND
2.928308	29.90	11.0	56	26.1	QP	N	GND
5.235978	25.90	11.0	60	34.1	QP	N	GND

MEASUREMENT RESULT: "IMC-F01_fin2"

2014-6-26 9:22

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.434433	25.20	10.9	47	22.0	AV	N	GND
2.628955	23.30	11.0	46	22.7	AV	N	GND
5.251686	22.10	11.0	50	27.9	AV	N	GND

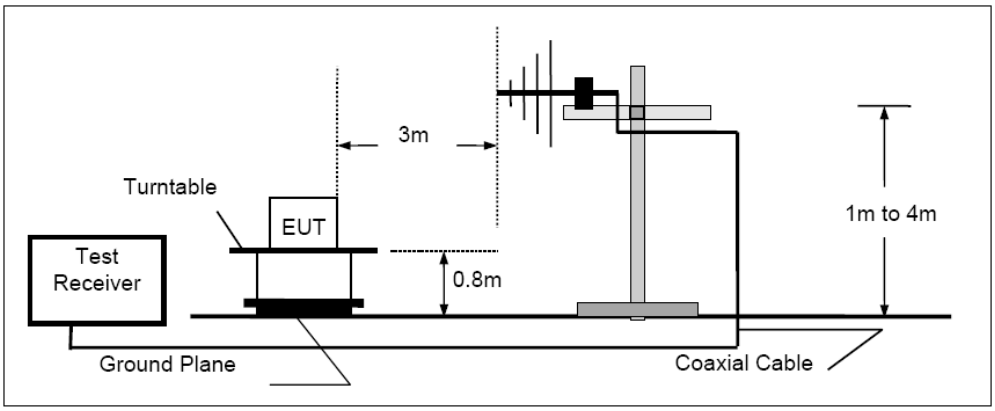
4. RADIATED EMISSION MEASUREMENT

4.1. For Radiated Emission Measurement

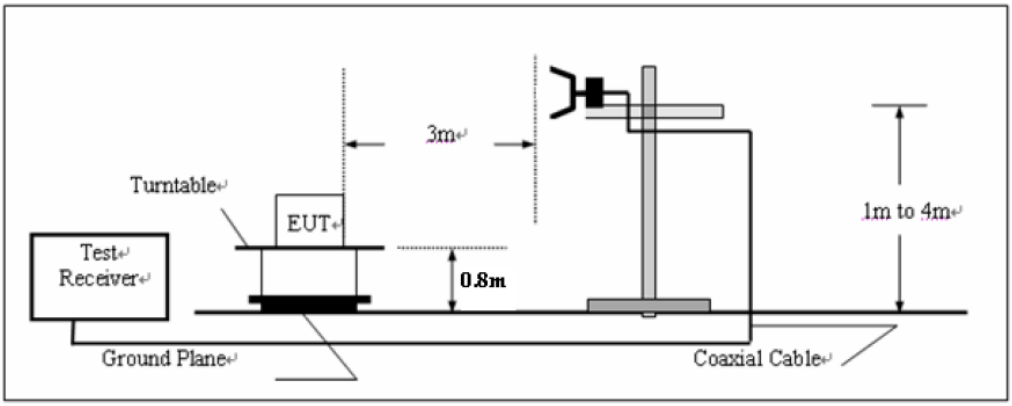
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 11, 2014	1 Year
2.	Test Receiver	Rohde & Schwarz	ESCS30	100307	Jan. 11, 2014	1 Year
3.	Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2014	1 Year
4.	Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2014	1 Year
5.	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2014	1 Year
6.	50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	Jan. 11, 2014	1 Year
12.	Pre-Amplifier	Rohde & Schwarz	CBLU11835 40-01	3791	Jan. 11, 2014	1 Year
Expanded Uncertainty (9kHz-30MHz): U=3.08dB, k=2 Expanded Uncertainty (30MHz-1000MHz): U=4.42dB, k=2 Expanded Uncertainty (Above 1GHz): U=4.06dB, k=2						

4.2. TEST CONFIGURATION

(A) Radiated Emission Test Set-Up, Frequency below 1000MHz

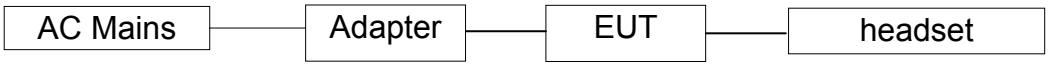


(B) Radiated Emission Test Set-Up, Frequency above 1000MHz



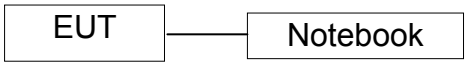
4.3.Block Diagram of Test Setup

4.3.1. Block diagram of connection between the EUT and simulators



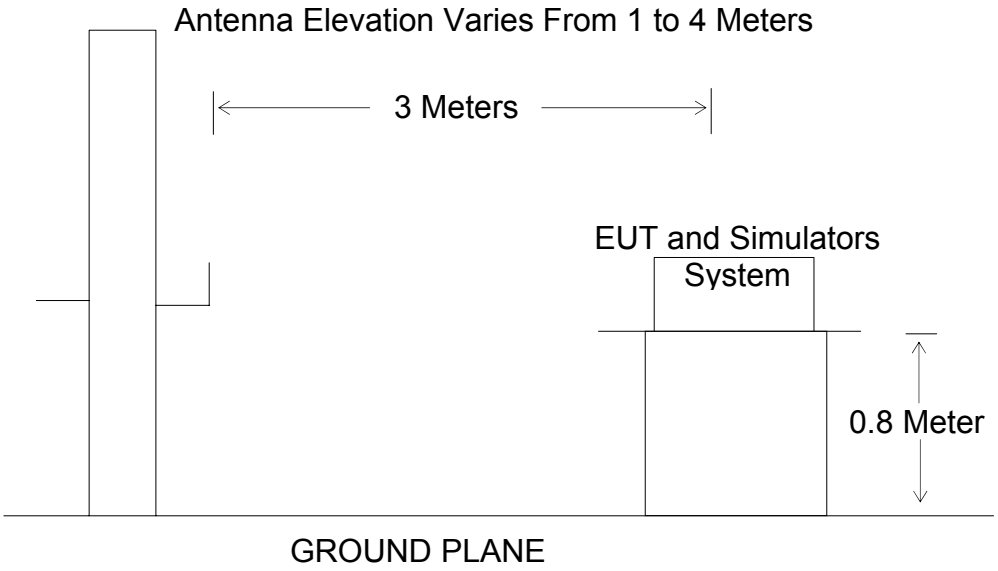
(Mode1: Charging&Playing)

(Mode2: Charging&Camera)



(Mode3: Charging&Transfer data)

4.3.2. Anechoic Chamber Test Setup Diagram



4.4.Radiated Emission Limit (Class B)

Frequency MHz	Distance Meters	Field Strengths Limit	
		μV/m	dB(μV/m)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
960-1000	3	500	54.0

Remark: (1) Emission level dB (μV) = 20 log Emission level μV/m.
(2)The smaller limit shall apply at the cross point between two frequency bands.
(3)Distance is the distance in meters between the measuring instrument antenna and the closest point of any part of the device or system.

4.5.EUT Configuration on Measurement

The equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.6.Operating Condition of EUT

4.6.1.Setup the EUT and simulator as shown as Section 4.2.

4.6.2.Turn on the power of all equipment.

4.6.3.Let the EUT work in test mode and measure it.

4.7.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement.

A Quasi-peak measurement was then made for that frequency point for below 1GHz test.

PK and AV for above 1GHz emission test.
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at freqyency above 1GHz.

3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth for average detection(AV) at below at frequency above 1GHz.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution Bandwidth	Video Bandwidth
30 to 1000	Peak	100 kHz	100 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

4.8.Radiated Emission Noise Measurement Result

PASS.

Test mode : Charging+ Playing

Horizontal

Below 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	61.1315	37.87	-21.11	16.76	40.00	-23.24	QP
2	171.3925	40.01	-21.94	18.07	43.50	-25.43	QP
3	416.1791	40.55	-15.40	25.15	46.00	-20.85	QP

Above 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3612.252	44.91	-3.14	41.77	74.00	-32.23	peak
2	3927.575	45.97	-2.44	43.53	74.00	-30.47	peak
3	5000.000	45.43	-0.99	44.44	74.00	-29.56	peak

Vertical

Below 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	77.3212	36.78	-21.51	15.27	40.00	-24.73	QP
2	169.5989	41.32	-21.84	19.48	43.50	-24.02	QP
3	228.4903	49.01	-19.87	29.14	46.00	-16.86	QP

Above 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3618.071	46.72	-3.13	43.59	74.00	-30.41	peak
2	4243.020	46.30	-2.39	43.91	74.00	-30.09	peak
3	4967.915	45.69	-1.09	44.60	74.00	-29.40	peak

Test mode : Charging+ Camera

Horizontal

Below 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	77.8653	50.12	-21.49	28.63	40.00	-11.37	QP
2	390.7225	50.75	-15.72	35.03	46.00	-10.97	QP
3	441.7425	48.95	-14.88	34.07	46.00	-11.93	QP

Above 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1323.186	47.38	-10.08	37.30	74.00	-36.70	peak
2	4182.003	45.64	-2.36	43.28	74.00	-30.72	peak
3	4959.926	46.12	-1.11	45.01	74.00	-28.99	peak

Vertical

Below 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	64.8863	49.68	-21.18	28.50	40.00	-11.50	QP
2	77.8653	53.65	-21.49	32.16	40.00	-7.84	QP
3	97.4560	53.59	-22.26	31.33	43.50	-12.17	QP

Above 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3972.074	45.68	-2.35	43.33	74.00	-30.67	peak
2	4243.020	46.30	-2.39	43.91	74.00	-30.09	peak
3	4635.733	46.31	-2.09	44.22	74.00	-29.78	peak

Test mode : Charging+ Transfer data

Horizontal

Below 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	85.8983	56.14	-21.57	34.57	40.00	-5.43	QP
2	480.5276	54.01	-14.16	39.85	46.00	-6.15	QP
3	798.9796	44.01	-7.80	36.21	46.00	-9.79	QP

Above 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1097.843	51.60	-10.58	41.02	74.00	-32.98	peak
2	1268.959	56.73	-10.21	46.52	74.00	-27.48	peak
3	1441.007	53.28	-9.83	43.45	74.00	-30.55	peak

Vertical

Below 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	327.8872	48.54	-17.07	31.47	46.00	-14.53	QP
2	390.7225	51.27	-15.72	35.55	46.00	-10.45	QP
3	480.5276	52.21	-14.16	38.05	46.00	-7.95	QP

Above 1G

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1195.599	49.75	-10.37	39.38	74.00	-34.62	peak
2	1739.585	48.69	-8.78	39.91	74.00	-34.09	peak
3	2225.298	48.03	-7.21	40.82	74.00	-33.18	peak

Note: During the test, Let the EUT and PC maintain the status of transfer data to each other

Below 1G

ACCURATE TECHNOLOGY CO., LTD.
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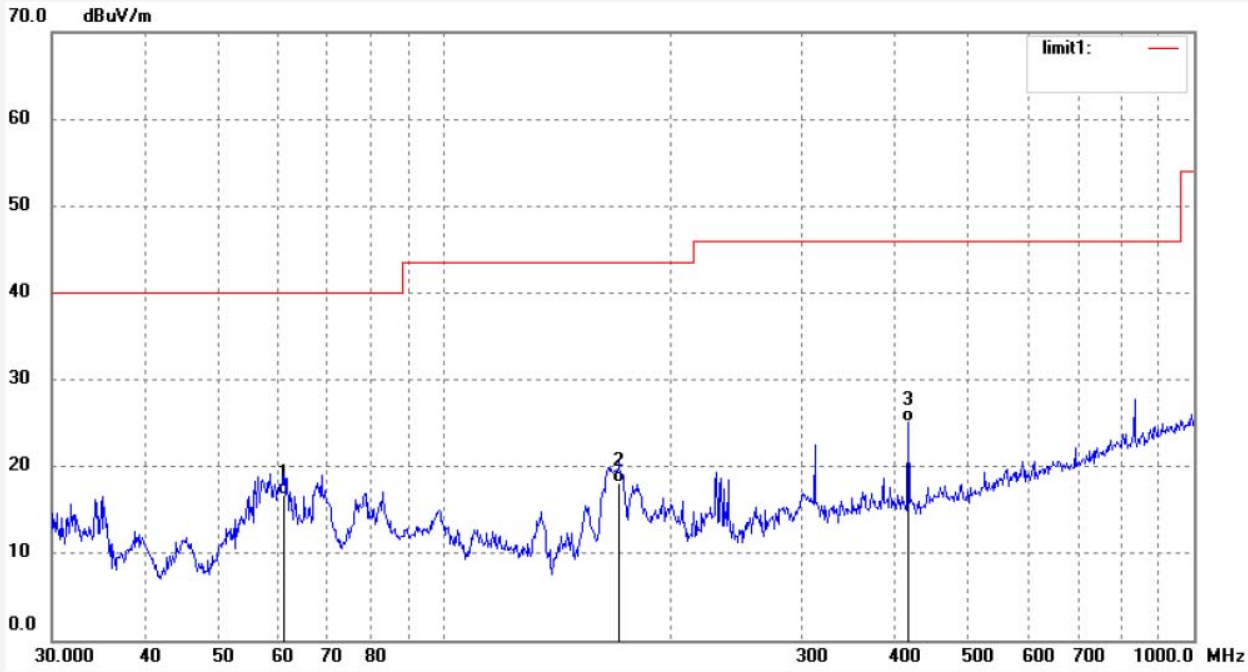
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4460	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/32/19
EUT: 4" 3G Tablet	Engineer Signature:
Mode: Video Playing	Distance: 3m
Model: ICE	
Manufacturer: IMC	

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	61.1315	37.87	-21.11	16.76	40.00	-23.24	QP			
2	171.3925	40.01	-21.94	18.07	43.50	-25.43	QP			
3	416.1791	40.55	-15.40	25.15	46.00	-20.85	QP			

ACCURATE TECHNOLOGY CO., LTD.
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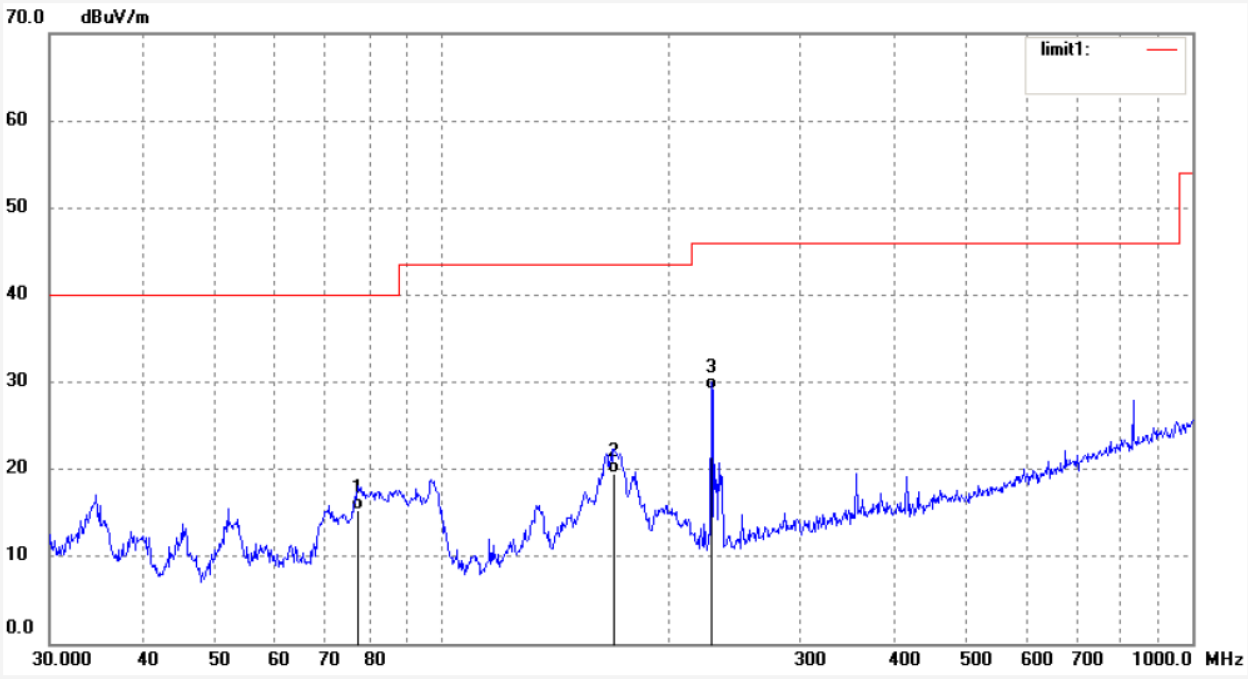
Job No.: alen #4461
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Video Playing
Model: ICE
Manufacturer: IMC

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 8/35/32
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	77.3212	36.78	-21.51	15.27	40.00	-24.73	QP			
2	169.5989	41.32	-21.84	19.48	43.50	-24.02	QP			
3	228.4903	49.01	-19.87	29.14	46.00	-16.86	QP			

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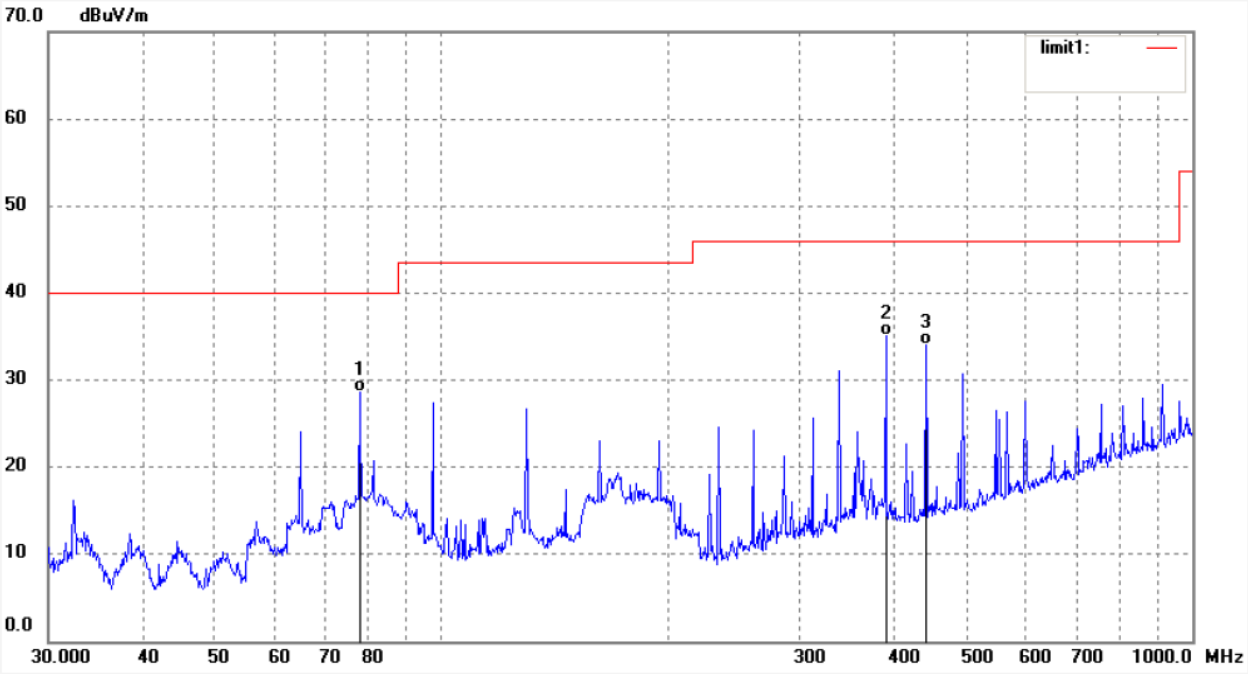
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4459
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Camera
Model: ICE
Manufacturer: IMC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 14/06/21/
Time: 11/21/42
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	77.8653	50.12	-21.49	28.63	40.00	-11.37	QP			
2	390.7225	50.75	-15.72	35.03	46.00	-10.97	QP			
3	441.7425	48.95	-14.88	34.07	46.00	-11.93	QP			

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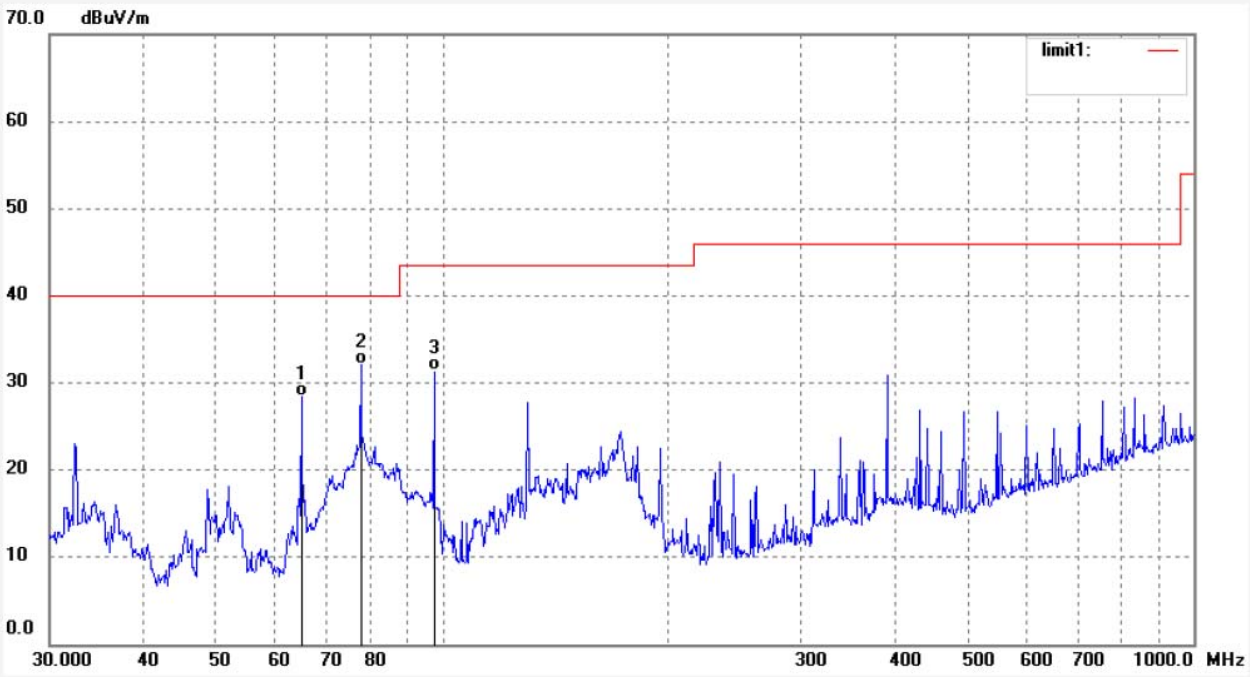
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4458
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Camera
Model: ICE
Manufacturer: IMC

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/06/21/
Time: 11/19/24
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	64.8863	49.68	-21.18	28.50	40.00	-11.50	QP			
2	77.8653	53.65	-21.49	32.16	40.00	-7.84	QP			
3	97.4560	53.59	-22.26	31.33	43.50	-12.17	QP			

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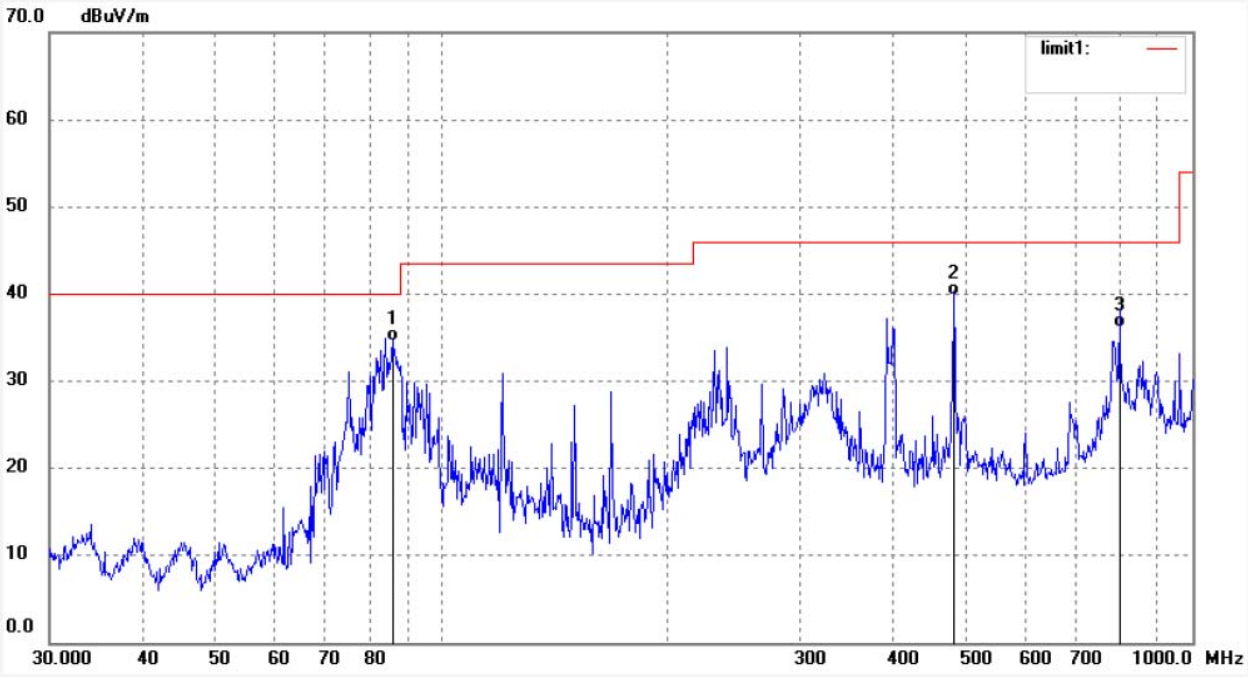
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4464
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Transfer data
Model: ICE
Manufacturer: IMC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 8/46/52
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	85.8983	56.14	-21.57	34.57	40.00	-5.43	QP			
2	480.5276	54.01	-14.16	39.85	46.00	-6.15	QP			
3	798.9796	44.01	-7.80	36.21	46.00	-9.79	QP			

ACCURATE TECHNOLOGY CO., LTD.
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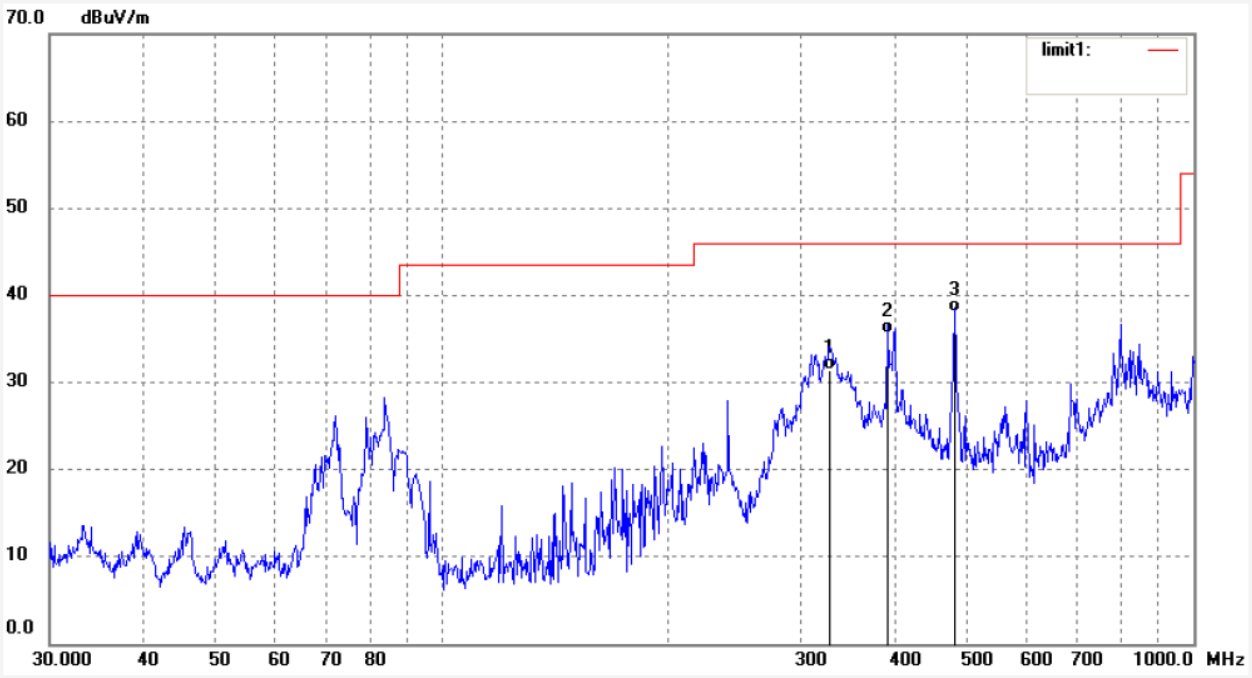
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4465
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Transfer data
Model: ICE
Manufacturer: IMC

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 8/47/59
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	327.8872	48.54	-17.07	31.47	46.00	-14.53	QP			
2	390.7225	51.27	-15.72	35.55	46.00	-10.45	QP			
3	480.5276	52.21	-14.16	38.05	46.00	-7.95	QP			

Above 1G

ACCURATE TECHNOLOGY CO., LTD.
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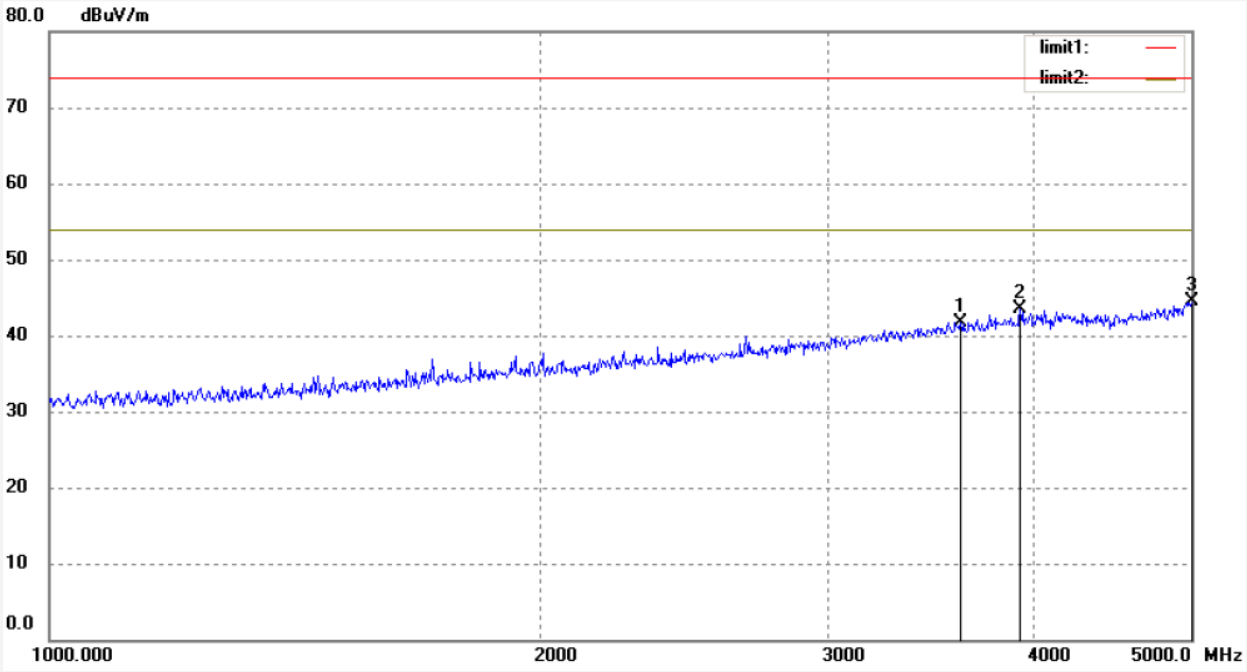
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4469
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Video Playing
Model: ICE
Manufacturer: IMC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 8/57/53
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	3612.252	44.91	-3.14	41.77	74.00	-32.23	peak			
2	3927.575	45.97	-2.44	43.53	74.00	-30.47	peak			
3	5000.000	45.43	-0.99	44.44	74.00	-29.56	peak			

ACCURATE TECHNOLOGY CO., LTD.
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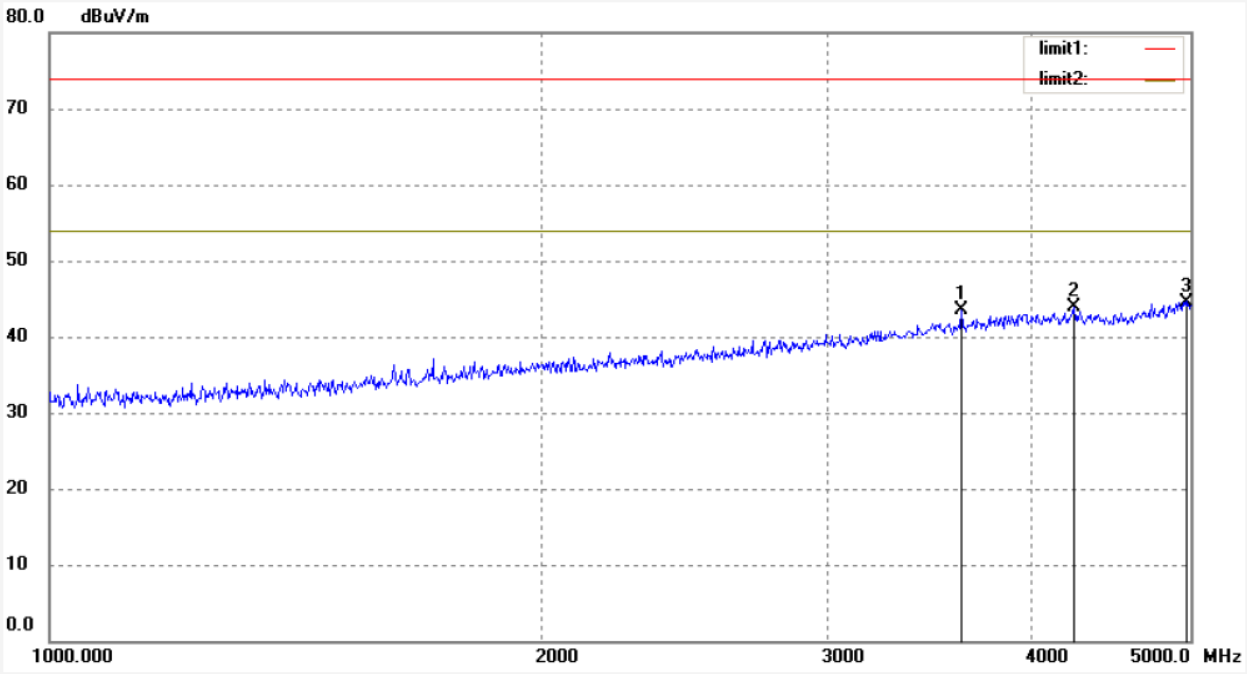
Fax:+86-0755-26503396

Job No.: alen #4468
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Video Playing
Model: ICE
Manufacturer: IMC

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 8/56/45
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	3618.071	46.72	-3.13	43.59	74.00	-30.41	peak			
2	4243.020	46.30	-2.39	43.91	74.00	-30.09	peak			
3	4967.915	45.69	-1.09	44.60	74.00	-29.40	peak			

ACCURATE TECHNOLOGY CO., LTD.
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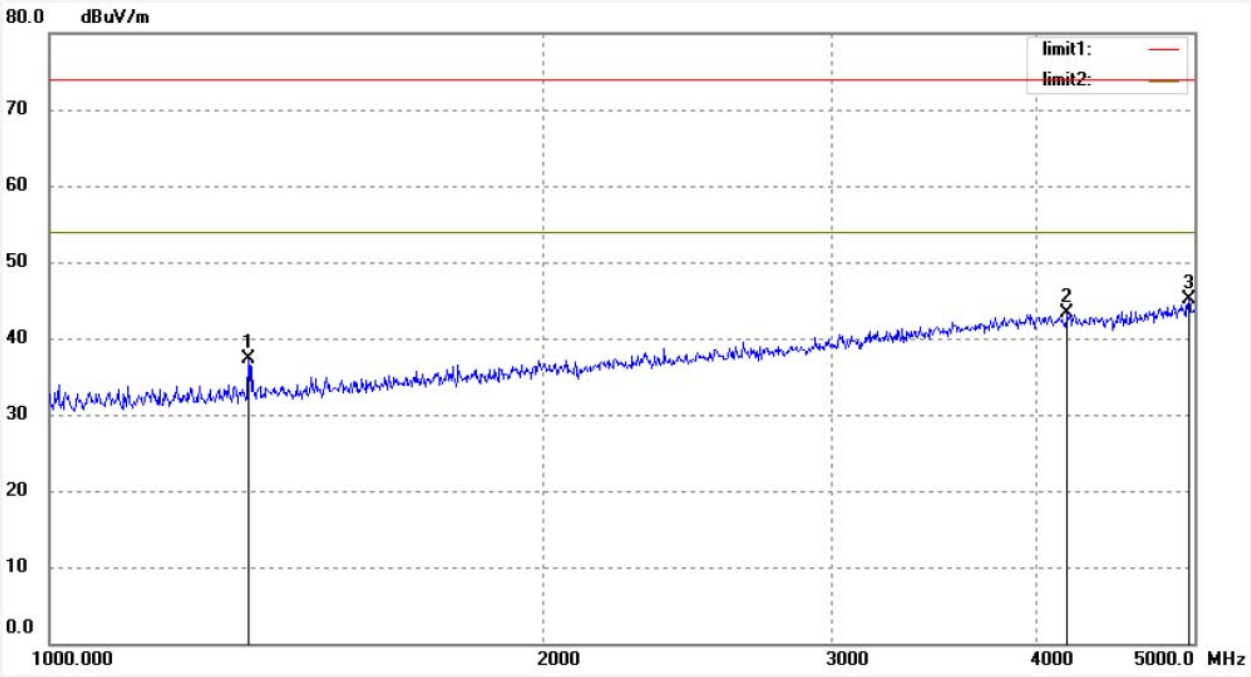
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4470
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Camera
Model: ICE
Manufacturer: IMC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 8/59/22
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



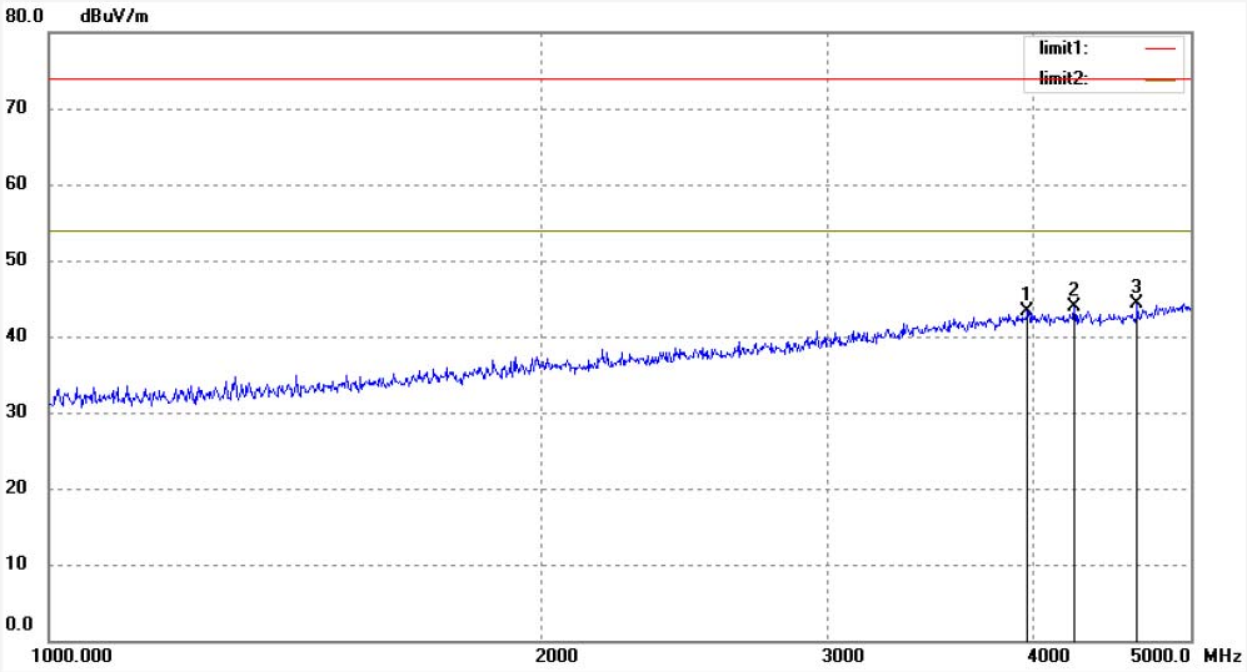
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1323.186	47.38	-10.08	37.30	74.00	-36.70	peak			
2	4182.003	45.64	-2.36	43.28	74.00	-30.72	peak			
3	4959.926	46.12	-1.11	45.01	74.00	-28.99	peak			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4471
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Camera
Model: ICE
Manufacturer: IMC

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 9/00/09
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	3972.074	45.68	-2.35	43.33	74.00	-30.67	peak			
2	4243.020	46.30	-2.39	43.91	74.00	-30.09	peak			
3	4635.733	46.31	-2.09	44.22	74.00	-29.78	peak			

ACCURATE TECHNOLOGY CO., LTD.
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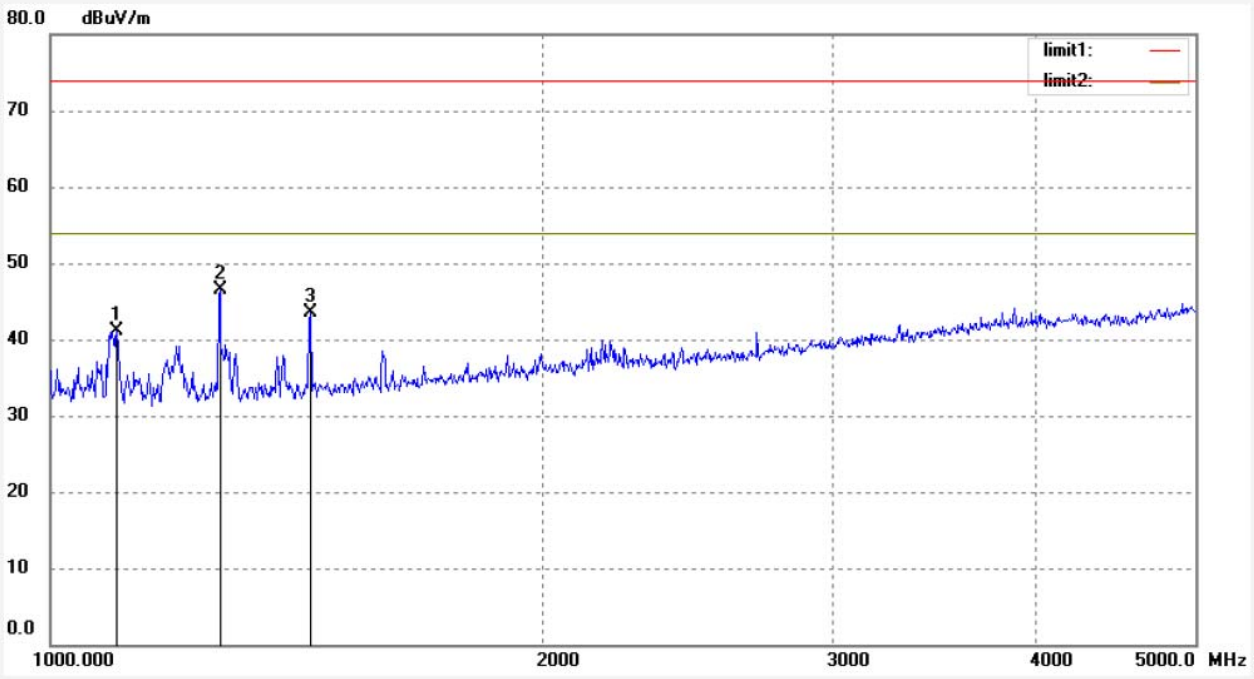
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #4466
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Transfer data
Model: ICE
Manufacturer: IMC

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 8/54/14
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1097.843	51.60	-10.58	41.02	74.00	-32.98	peak			
2	1268.959	56.73	-10.21	46.52	74.00	-27.48	peak			
3	1441.007	53.28	-9.83	43.45	74.00	-30.55	peak			

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Site: 1# Chamber
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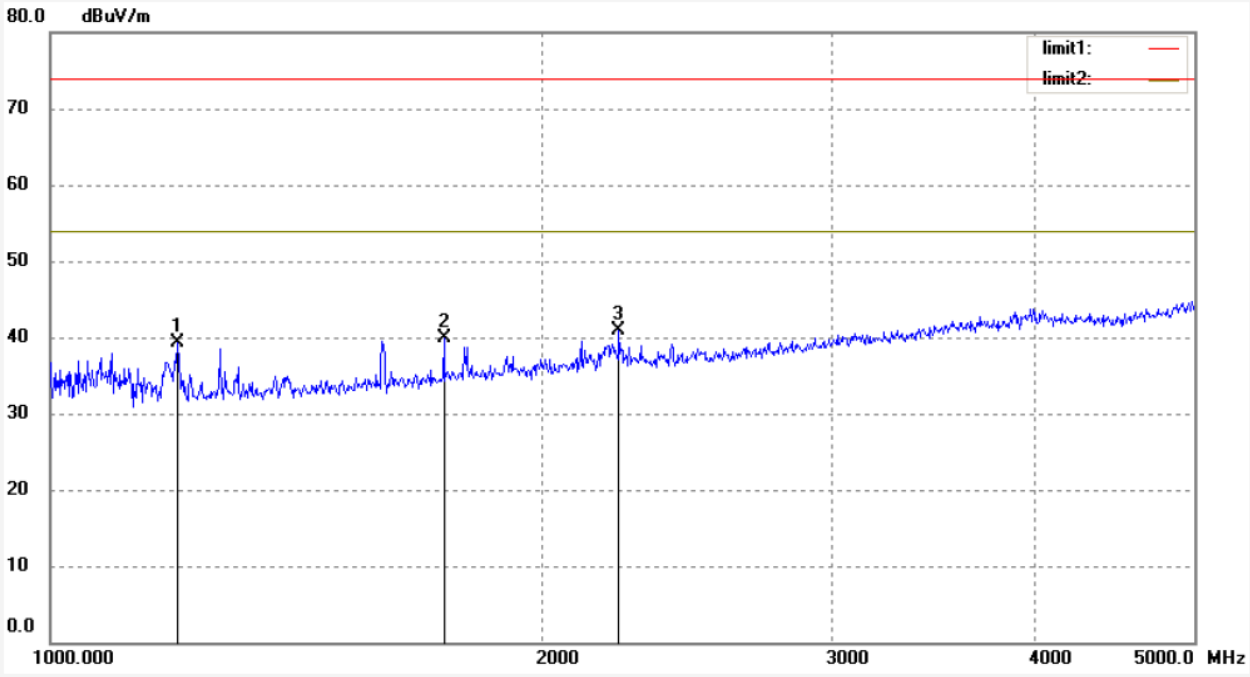
Fax:+86-0755-26503396

Job No.: alen #4467
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: 4" 3G Tablet
Mode: Transfer data
Model: ICE
Manufacturer: IMC

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 14/06/23/
Time: 8/54/48
Engineer Signature:
Distance: 3m

Note: Report No:ATE20141090

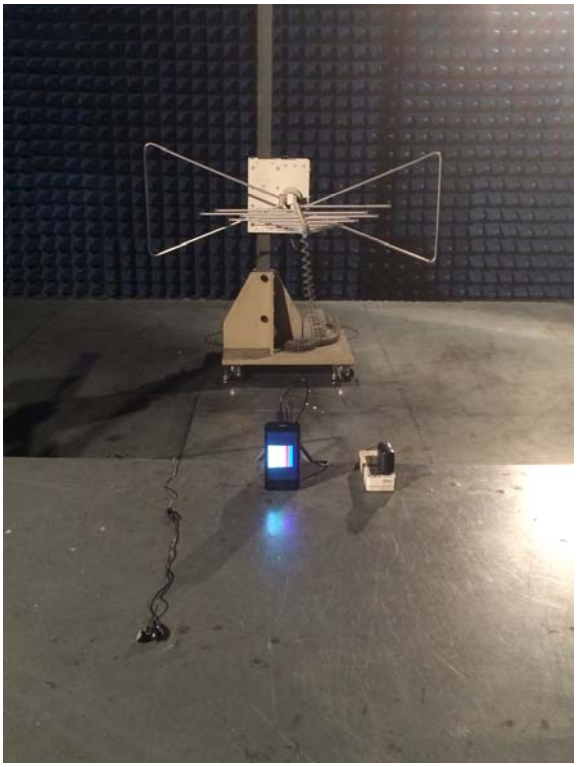


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1195.599	49.75	-10.37	39.38	74.00	-34.62	peak			
2	1739.585	48.69	-8.78	39.91	74.00	-34.09	peak			
3	2225.298	48.03	-7.21	40.82	74.00	-33.18	peak			

5. PHOTOGRAPHS

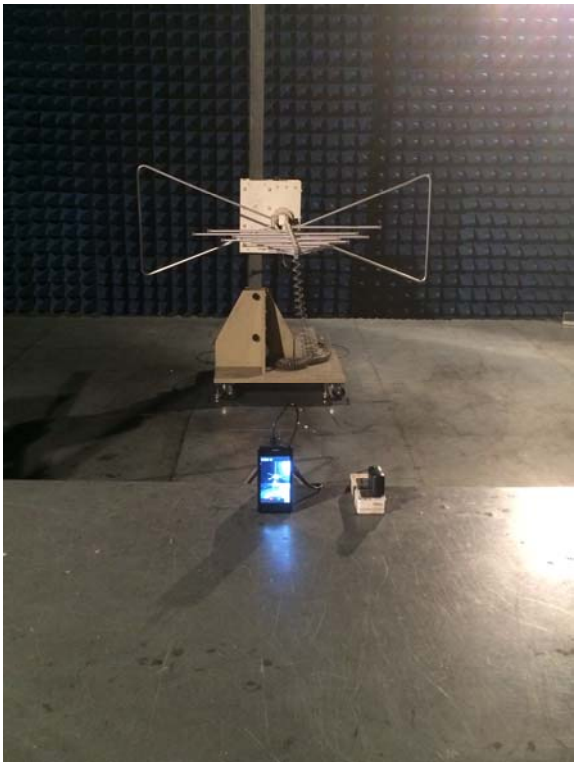
5.1.Photos of Radiated Measurement

Playing mode(below 1GHz)

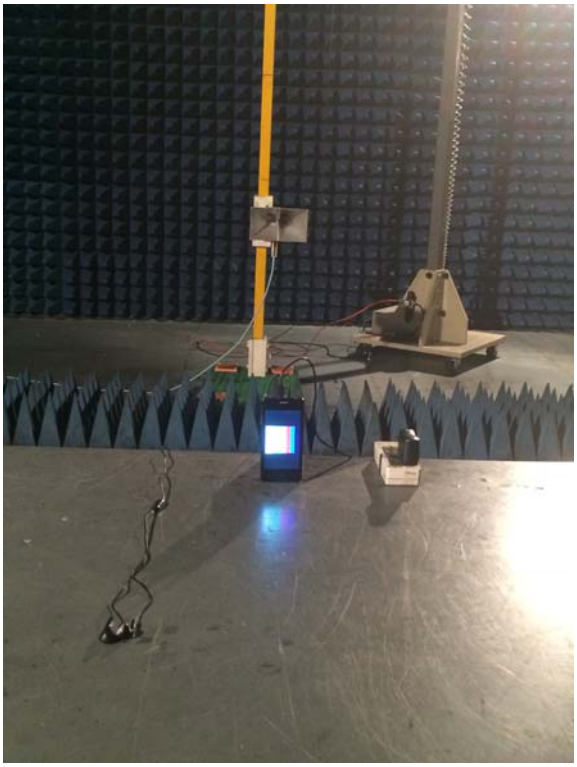


Transfer data mode(below 1GHz)

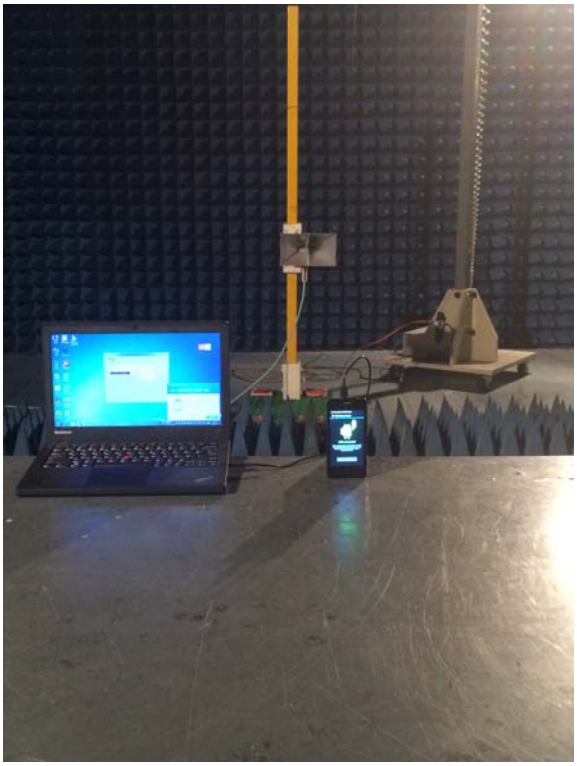
Camera mode(below 1GHz)



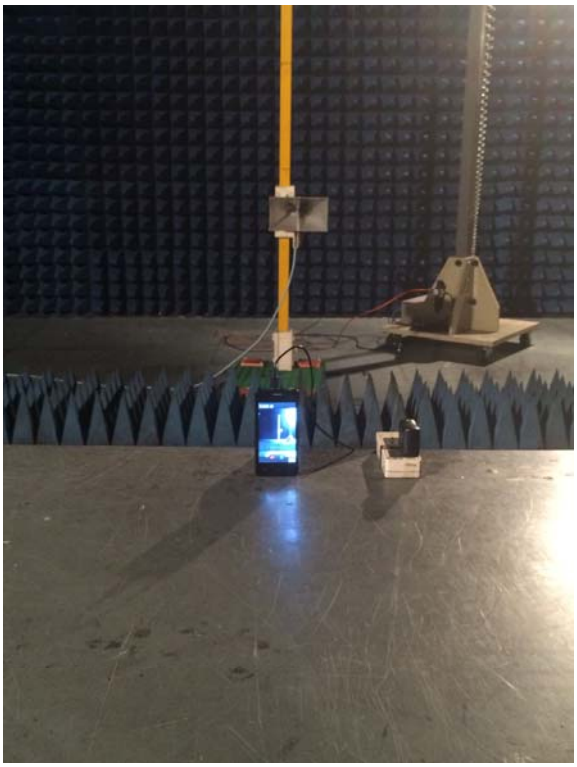
Playing mode(above 1GHz)



Transfer data mode(above 1GHz)



Camera mode(above 1GHz)



5.2.Photograph of set-up for Mains Terminal Disturbance Voltage

Playing mode

Transfer data mode

Camera mode