

**APPLICATION CERTIFICATION FCC Part 15B
On Behalf of
IMC INTERNATIONAL INC.**

**5.5inch 3G TABLET
Model No.: FORCE XT55SP**

FCC ID: 2ACI7-XT55SP

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, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

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Report Number : ATE20141091
Date of Test : June 18-July 07,2014
Date of Report : July 07,2014

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Test Report Certification

Applicant : IMC INTERNATIONAL INC.
 Manufacturer : IMC INTERNATIONAL INC.
 EUT Description : 5.5inch 3G TABLET
 (A) MODEL NO.: FORCE XT55SP
 (B) SERIAL NO.: N/A
 (C) POWER SUPPLY: DC 5V (USB Port) &DC 3.7V (Battery)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart 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 limits. 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 : June 18-July 07,2014

Prepared by :



(Eric, Engineer)

Approved & Authorized Signer :



(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : 5.5inch 3G TABLET
 Model Number : FORCE XT55SP
 Frequency Range : GSM 850: 824.2-848.8 MHz 124 Channels
 GSM 1900 : 1850.2-1909.8 MHz 299 Channels
 FDD V: 826.4-846.6 MHz 277 Channels
 FDD II : 1852.4-1907.6 MHz 102 Channels
 802.11b/g/n (20MHz): 2412-2462MHz 11 Channels
 802.11n (40MHz): 2422-2452MHz 7 Channels
 Bluetooth 4.0 LE: 2402-2480MHz 40 Channels
 Bluetooth 2.1: 2402-2480MHz 79 Channels
 Modulation : GSM GPRS: GMSK
 FDD: QPSK
 WLAN: CCK,OFDM
 BT:GFSK,Π/4-DQPSK, 8DPSK
 Antenna Gain : 0.5dBi(BT&WLAN)
 1.5dBi(GSM & FDD)
 Power Supply Adapter : DC 5V (USB Port) &DC 3.7V (Battery)
 Model number: UBP-A806-051000
 Input: AC 100-240V; 50/60Hz
 Output: DC 5V/1000mA
 USB line: Non-shielded, Non-detachable, 1.5m
 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
 Date of sample received : June 18, 2014
 Date of Test : June 18-July 07,2014

1.2. Accessory and Auxiliary Equipment

PC Manufacturer: LENOVO
 M/N: E440
 S/N: 20C5S00500

1.3.Description of Test Facility

EMC Lab	: Accredited by TUV Rheinland Shenzhen
	Listed by FCC The Registration Number is 752051
	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, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China

1.4.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2
(Above 1GHz)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

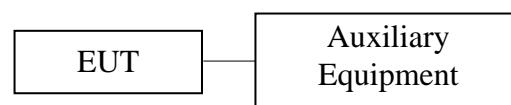
Kind of equipment	Manufacturer	Type	S/N	Calibrated date	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 11, 2014	Jan. 10, 2015
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 11, 2014	Jan. 10, 2015
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 11, 2014	Jan. 10, 2015
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 11, 2014	Jan. 10, 2015
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2014	Jan. 14, 2015
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2014	Jan. 14, 2015
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 15, 2014	Jan. 14, 2015
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 11, 2014	Jan. 10, 2015
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 11, 2014	Jan. 10, 2015

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

- The modes are used: 1) Video playing
- 2) Camera
- 3) Transfer data

3.2.Configuration and peripherals



(EUT: 5.5inch 3G TABLET)

4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.107	Conducted Emission Test	Compliant
Section 15.109	Radiated Emission Test	Compliant

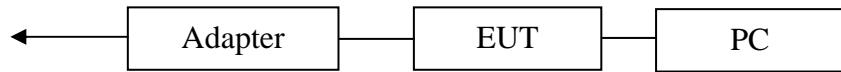
5. CONDUCTED EMISSION FOR FCC PART 15 SECTION

15.107(A)

5.1. Block Diagram of Test Setup

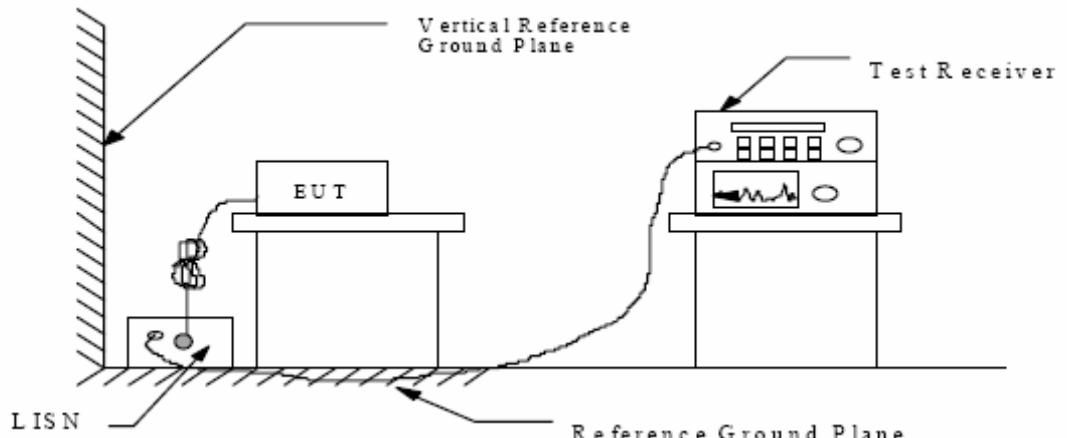
5.1.1. Block diagram of connection between the EUT and simulators

AC 120V/60Hz



(EUT: 5.5inch 3G TABLET)

5.1.2. Shielding Room Test Setup Diagram



(EUT: 5.5inch 3G TABLET)

5.2.The Emission Limit

5.2.1.Conducted Emission Measurement Limits According to Section 15.107(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

5.3.Configuration of EUT on Measurement

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

5.3.1.5.5inch 3G TABLET (EUT)

Model Number : FORCE XT55SP
 Serial Number : N/A
 Manufacturer : IMC INTERNATIONAL INC.

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3.Let the EUT work in modes and measure it.

5.5.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.

5.6.Power Line Conducted Emission Measurement Results

PASS.

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

Test mode : Video playing																																								
MEASUREMENT RESULT: "RY0625-12_fin"																																								
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<table> <thead> <tr> <th>Frequency MHz</th><th>Level dBμV</th><th>Transd dB</th><th>Limit dBμV</th><th>Margin dB</th><th>Detector</th><th>Line</th><th>PE</th></tr> </thead> <tbody> <tr> <td>0.637267</td><td>28.80</td><td>10.8</td><td>56</td><td>27.2</td><td>QP</td><td>L1</td><td>GND</td></tr> <tr> <td>1.380797</td><td>32.50</td><td>10.9</td><td>56</td><td>23.5</td><td>QP</td><td>L1</td><td>GND</td></tr> <tr> <td>27.595893</td><td>22.50</td><td>11.5</td><td>60</td><td>37.5</td><td>QP</td><td>L1</td><td>GND</td></tr> </tbody> </table>									Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE	0.637267	28.80	10.8	56	27.2	QP	L1	GND	1.380797	32.50	10.9	56	23.5	QP	L1	GND	27.595893	22.50	11.5	60	37.5	QP	L1	GND
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14.329525	15.00	11.4	50	35.0	AV	L1	GND																																	
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Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE																																	
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2.325976	30.10	11.0	46	15.9	AV	N	GND																																	
5.602768	18.80	11.2	50	31.2	AV	N	GND																																	

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

Test mode : Camera

MEASUREMENT RESULT: "RY0625-13_fin"

6/25/2014 3:53PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.638542	33.30	10.8	56	22.7	QP	L1	GND
1.277288	31.40	10.9	56	24.6	QP	L1	GND
27.049998	23.40	11.5	60	36.6	QP	L1	GND

MEASUREMENT RESULT: "RY0625-13_fin2"

6/25/2014 3:53PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.638542	32.50	10.8	46	13.5	AV	L1	GND
1.383559	31.10	10.9	46	14.9	AV	L1	GND
6.068922	23.10	11.2	50	26.9	AV	L1	GND

MEASUREMENT RESULT: "RY0625-14_fin"

6/25/2014 3:58PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.153640	45.00	10.5	66	21.0	QP	N	GND
1.279842	30.50	10.9	56	25.5	QP	N	GND
1.492695	31.20	10.9	56	24.8	QP	N	GND

MEASUREMENT RESULT: "RY0625-14_fin2"

6/25/2014 3:58PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.639819	32.50	10.8	46	13.5	AV	N	GND
1.492695	30.00	10.9	46	16.0	AV	N	GND
5.224352	6.40	11.2	50	43.6	AV	N	GND

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

Test mode : Transfer data

MEASUREMENT RESULT: "RY0625-15_fin"

6/25/2014 4:03PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.150300	36.40	10.5	66	29.6	QP	N	GND
0.170802	36.70	10.5	65	28.2	QP	N	GND
1.378041	25.70	10.9	56	30.3	QP	N	GND

MEASUREMENT RESULT: "RY0625-15_fin2"

6/25/2014 4:03PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.531323	28.30	10.7	46	17.7	AV	N	GND
1.378041	23.00	10.9	46	23.0	AV	N	GND
5.193131	3.20	11.2	50	46.8	AV	N	GND

MEASUREMENT RESULT: "RY0625-16_fin"

6/25/2014 4:09PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.153027	42.50	10.5	66	23.3	QP	L1	GND
0.184275	36.70	10.5	64	27.6	QP	L1	GND
1.372545	26.20	10.9	56	29.8	QP	L1	GND

MEASUREMENT RESULT: "RY0625-16_fin2"

6/25/2014 4:09PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.528148	29.30	10.7	46	16.7	AV	L1	GND
0.632195	26.30	10.8	46	19.7	AV	L1	GND
1.477857	23.80	10.9	46	22.2	AV	L1	GND

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

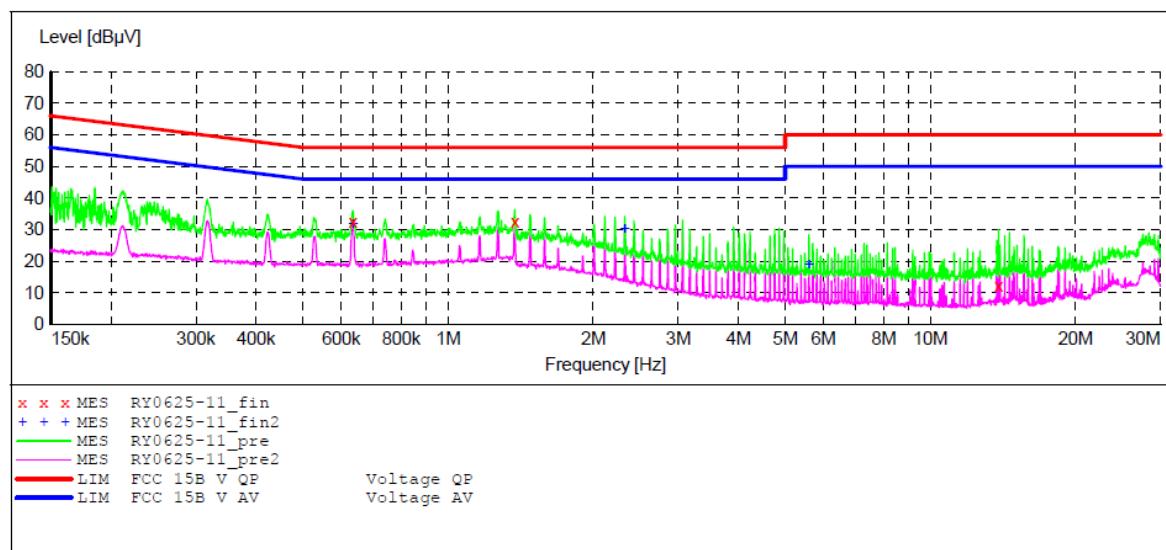
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 5.5inch 3G TABLET M/N:Force XT55SP
 Manufacturer: IMC
 Operating Condition: Video playing
 Test Site: 1#Shielding Room
 Operator: Ricky
 Test Specification: N 120V/60Hz
 Comment: Report No:ATE20141091

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

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "RY0625-11_fin"

6/25/2014 3:44PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.634726	32.50	10.8	56	23.5	QP	N	GND
1.375290	32.40	10.9	56	23.6	QP	N	GND
13.850981	32.10	11.4	60	27.9	QP	N	GND

MEASUREMENT RESULT: "RY0625-11_fin2"

6/25/2014 3:44PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.634726	31.70	10.8	46	14.3	AV	N	GND
2.325976	30.10	11.0	46	15.9	AV	N	GND
5.602768	18.80	11.2	50	31.2	AV	N	GND

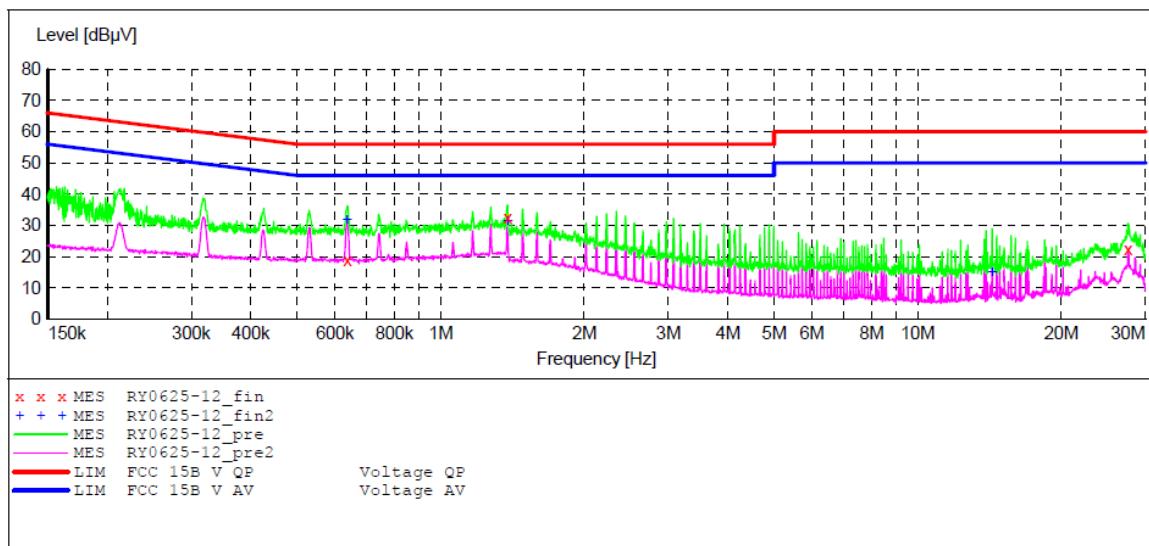
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 5.5inch 3G TABLET M/N:Force XT55SP
 Manufacturer: IMC
 Operating Condition: Video playing
 Test Site: 1#Shielding Room
 Operator: Ricky
 Test Specification: L 120V/60Hz
 Comment: Report No:ATE20141091

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

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw. 2008
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126
 Average



MEASUREMENT RESULT: "RY0625-12_fin"

6/25/2014 3:49PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.637267	28.80	10.8	56	27.2	QP	L1	GND
1.380797	32.50	10.9	56	23.5	QP	L1	GND
27.595893	22.50	11.5	60	37.5	QP	L1	GND

MEASUREMENT RESULT: "RY0625-12_fin2"

6/25/2014 3:49PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
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1.380797	31.30	10.9	46	14.7	AV	L1	GND
14.329525	15.00	11.4	50	35.0	AV	L1	GND

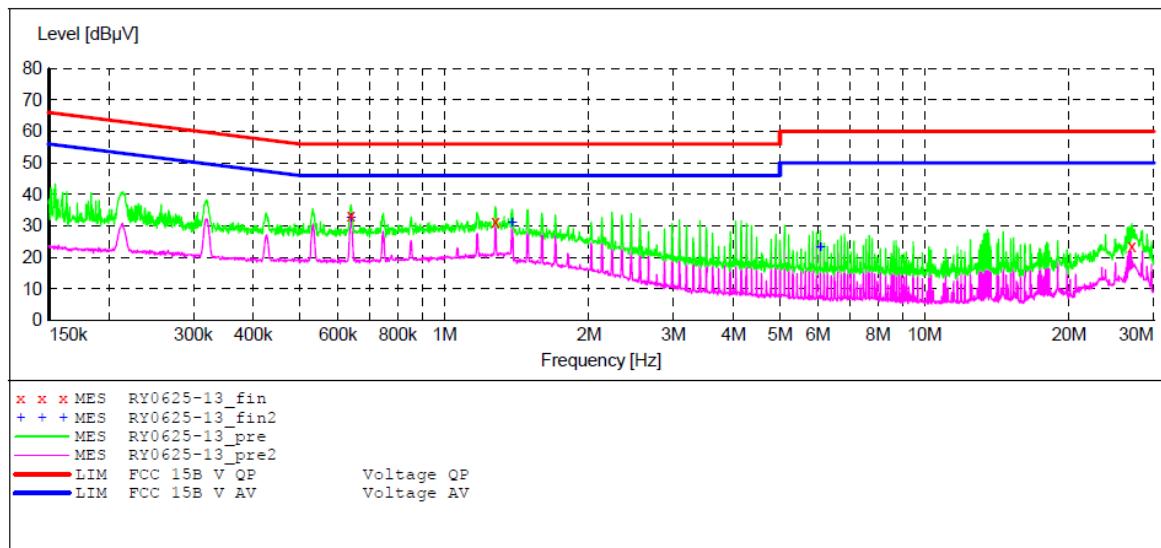
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 5.5inch 3G TABLET M/N:Force XT55SP
 Manufacturer: IMC
 Operating Condition: Camera
 Test Site: 1#Shielding Room
 Operator: Ricky
 Test Specification: L 120V/60Hz
 Comment: Report No:ATE20141091

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

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "RY0625-13_fin"

6/25/2014 3:53PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
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MEASUREMENT RESULT: "RY0625-13_fin2"

6/25/2014 3:53PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.638542	32.50	10.8	46	13.5	AV	L1	GND
1.383559	31.10	10.9	46	14.9	AV	L1	GND
6.068922	23.10	11.2	50	26.9	AV	L1	GND

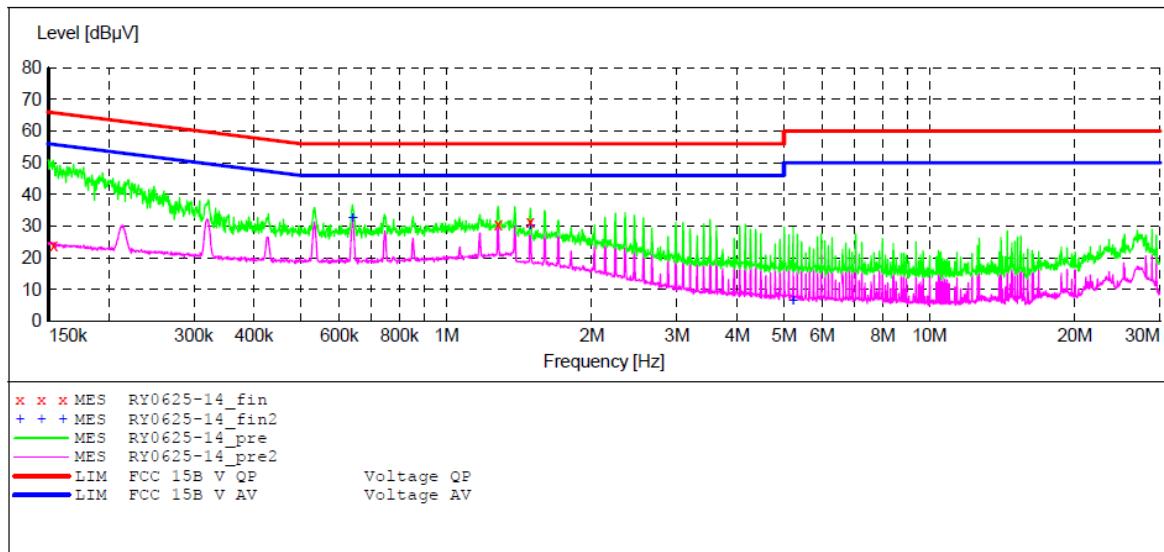
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 5.5inch 3G TABLET M/N:Force XT55SP
 Manufacturer: IMC
 Operating Condition: Camera
 Test Site: 1#Shielding Room
 Operator: Ricky
 Test Specification: N 120V/60Hz
 Comment: Report No:ATE20141091

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

Short Description: -SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw. 2008
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126
 Average



MEASUREMENT RESULT: "RY0625-14_fin"

6/25/2014 3:58PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.153640	45.00	10.5	66	21.0	QP	N	GND
1.279842	30.50	10.9	56	25.5	QP	N	GND
1.492695	31.20	10.9	56	24.8	QP	N	GND

MEASUREMENT RESULT: "RY0625-14_fin2"

6/25/2014 3:58PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.639819	32.50	10.8	46	13.5	AV	N	GND
1.492695	30.00	10.9	46	16.0	AV	N	GND
5.224352	6.40	11.2	50	43.6	AV	N	GND

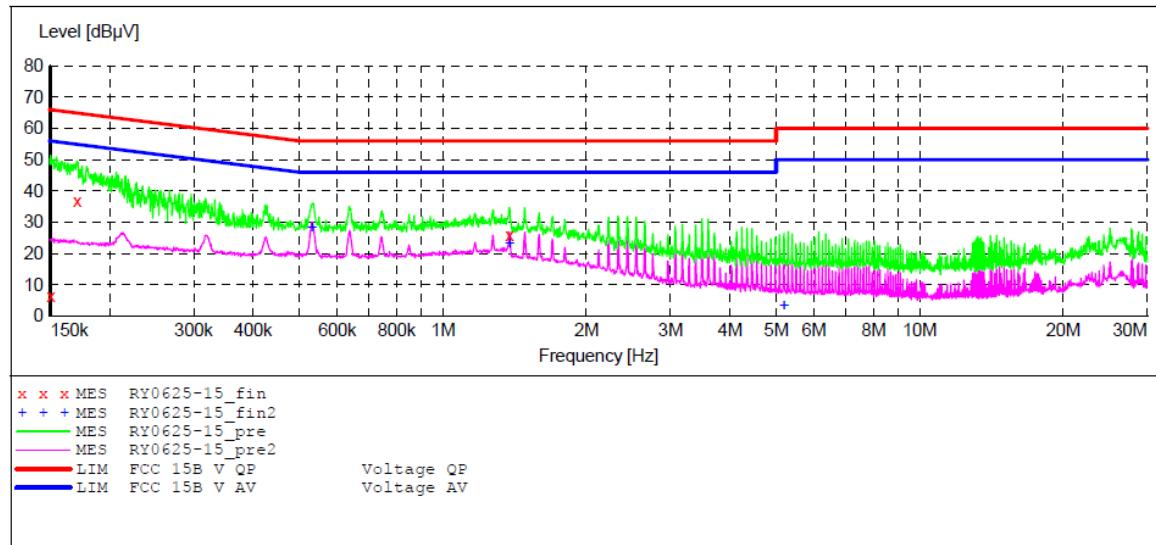
ACCURATE TECHNOLOGY CO., LTD**CONDUCTED EMISSION STANDARD FCC PART 15B**

EUT: 5.5inch 3G TABLET M/N:Force XT55SP
 Manufacturer: IMC
 Operating Condition: Transfer data
 Test Site: 1#Shielding Room
 Operator: Ricky
 Test Specification: N 120V/60Hz
 Comment: Report No:ATE20141091

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

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw. 2008
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126

Average

**MEASUREMENT RESULT: "RY0625-15_fin"**

6/25/2014 4:03PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.150300	36.40	10.5	66	29.6	QP	N	GND
0.170802	36.70	10.5	65	28.2	QP	N	GND
1.378041	25.70	10.9	56	30.3	QP	N	GND

MEASUREMENT RESULT: "RY0625-15_fin2"

6/25/2014 4:03PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.531323	28.30	10.7	46	17.7	AV	N	GND
1.378041	23.00	10.9	46	23.0	AV	N	GND
5.193131	3.20	11.2	50	46.8	AV	N	GND

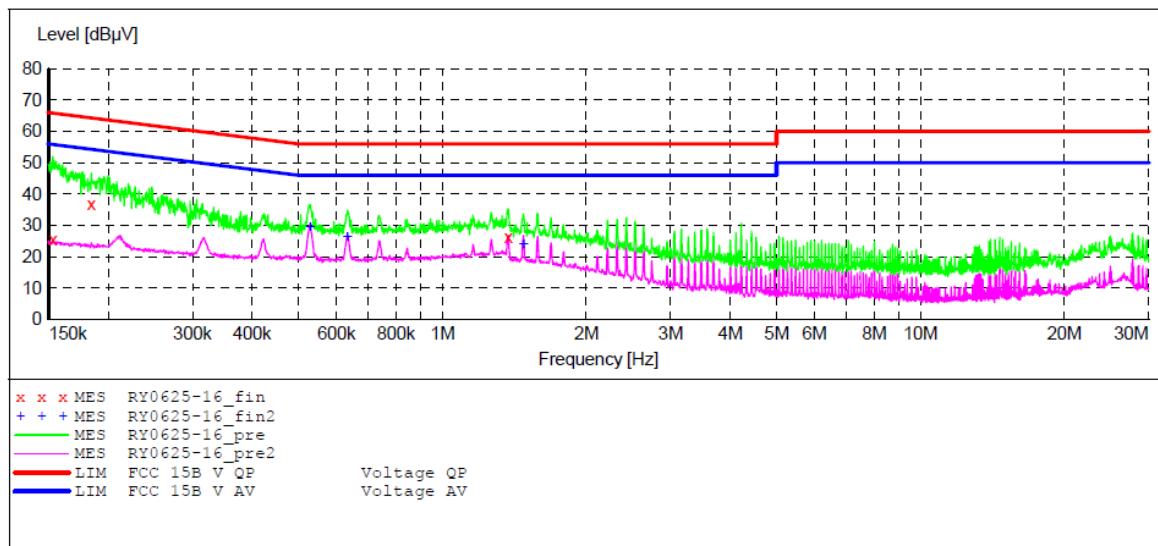
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: 5.5inch 3G TABLET M/N:Force XT55SP
 Manufacturer: IMC
 Operating Condition: Transfer data
 Test Site: 1#Shielding Room
 Operator: Ricky
 Test Specification: L 120V/60Hz
 Comment: Report No:ATE20141091

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

Short Description: _SUB_STD_VTERM2 1.70
 Start Frequency Stop Frequency Step Width Detector Meas. IF Transducer
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "RY0625-16_fin"

6/25/2014 4:09PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.153027	42.50	10.5	66	23.3	QP	L1	GND
0.184275	36.70	10.5	64	27.6	QP	L1	GND
1.372545	26.20	10.9	56	29.8	QP	L1	GND

MEASUREMENT RESULT: "RY0625-16_fin2"

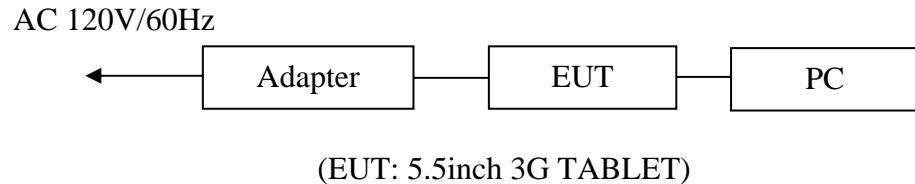
6/25/2014 4:09PM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.528148	29.30	10.7	46	16.7	AV	L1	GND
0.632195	26.30	10.8	46	19.7	AV	L1	GND
1.477857	23.80	10.9	46	22.2	AV	L1	GND

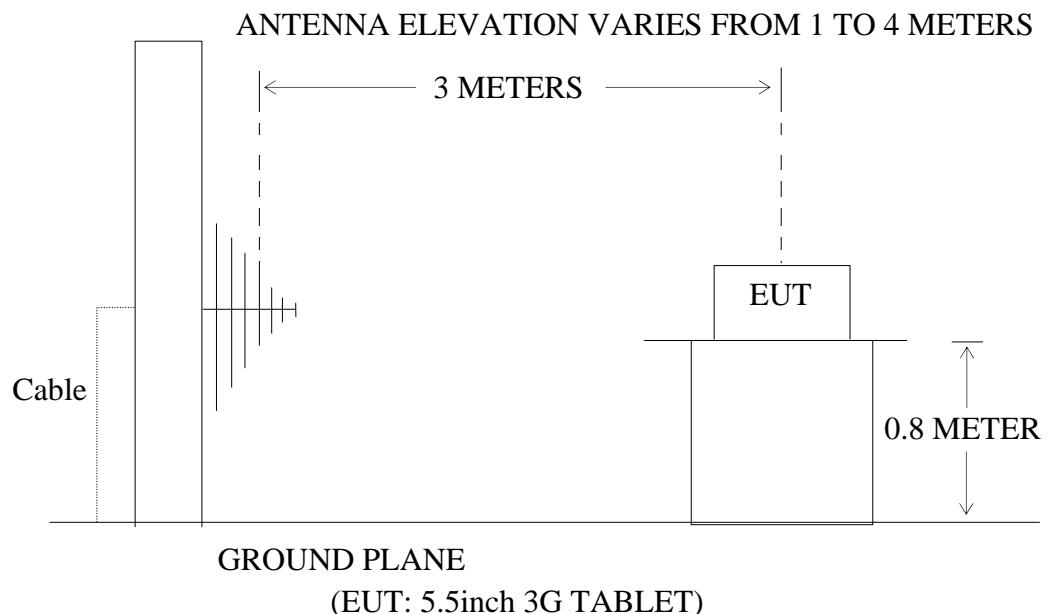
6. RADIATED EMISSION FOR FCC PART 15 SECTION 15.109(A)

6.1. Block Diagram of Test Setup

6.1.1. Block diagram of connection between the EUT and simulators



6.1.2. Semi-Anechoic Chamber Test Setup Diagram



6.2.The Emission Limit For Section 15.109 (a)

6.2.1.Radiation Emission Measurement Limits According to Section 15.109 (a).

Frequency (MHz)	Limit	
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dB μ V/m)
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

6.3.EUT Configuration on Measurement

The following equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.3.1.5.5inch 3G TABLET (EUT)

Model Number : FORCE XT55SP
 Serial Number : N/A
 Manufacturer : IMC INTERNATIONAL INC.

6.4.Operating Condition of EUT

6.4.1.Setup the EUT and simulator as shown as Section 6.1.

6.4.2.Turn on the power of all equipment.

6.4.3. Let the EUT work in mode measures it.

6.5. 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.

RBW (120 kHz), VBW (300 kHz) for QP detector below 1GHz
RBW (1 MHz), VBW (3MHz) for Peak detector above 1GHz
RBW (1 MHz), VBW (10Hz) for AV detector above 1GHz

The frequency range from 30MHz to 6000MHz is checked.

The highest frequency of the internal sources of the EUT is 1.2GHz higher than 1GHz; The measurement shall be made above 1GHz.

6.6.The Emission Measurement Result

PASS.

Below 1G(Video playing)								
Polarization								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	92.4624	37.45	-21.77	15.68	43.50	-27.82	QP
	2	130.3788	44.12	-23.04	21.08	43.50	-22.42	QP
	3	173.2050	41.35	-22.13	19.22	43.50	-24.28	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	83.8156	41.46	-21.51	19.95	40.00	-20.05	QP
	2	127.2176	40.55	-22.90	17.65	43.50	-25.85	QP
	3	166.0680	40.55	-22.21	18.34	43.50	-25.16	QP
Above 1G(Video playing)								
Polarization								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1204.835	42.84	-12.63	30.21	74.00	-43.79	peak
	2	1806.300	42.48	-9.90	32.58	74.00	-41.42	peak
	3	2737.291	43.48	-6.23	37.25	74.00	-36.75	peak
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1816.036	44.92	-9.82	35.10	74.00	-38.90	peak
	2	2122.382	45.06	-8.42	36.64	74.00	-37.36	peak
	3	2410.307	44.60	-7.47	37.13	74.00	-36.87	peak

Below 1G(Camera)								
Polarization								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	84.9995	40.96	-21.55	19.41	40.00	-20.59	QP
	2	129.9226	53.82	-23.03	30.79	43.50	-12.71	QP
	3	572.6144	39.56	-12.31	27.25	46.00	-18.75	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	129.9226	48.17	-23.03	25.14	43.50	-18.36	QP
	2	285.9778	42.59	-18.16	24.43	46.00	-21.57	QP
	3	572.6144	37.37	-12.31	25.06	46.00	-20.94	QP
Above 1G(Camera)								
Polarization								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1742.717	44.82	-10.29	34.53	74.00	-39.47	peak
	2	1957.973	44.18	-9.11	35.07	74.00	-38.93	peak
	3	2867.827	44.62	-5.92	38.70	74.00	-35.30	peak

Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1835.664	44.32	-9.65	34.67	74.00	-39.33	peak
	2	2401.684	43.65	-7.50	36.15	74.00	-37.85	peak
	3	3536.687	44.34	-2.86	41.48	74.00	-32.52	peak

Below 1G(Transfer data)								
Polarization								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	84.1098	56.49	-21.51	34.98	40.00	-5.02	QP
	2	480.5276	51.92	-14.16	37.76	46.00	-8.24	QP
	3	798.9796	45.07	-7.80	37.27	46.00	-8.73	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	83.8156	50.31	-21.51	28.80	40.00	-11.20	QP
	2	390.7225	49.80	-15.72	34.08	46.00	-11.92	QP
	3	480.5276	51.26	-14.16	37.10	46.00	-8.90	QP
Above 1G(Transfer data)								
Polarization								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1720.996	45.04	-10.27	34.77	74.00	-39.23	peak
	2	1812.785	44.36	-9.85	34.51	74.00	-39.49	peak
	3	2066.100	44.42	-8.70	35.72	74.00	-38.28	peak
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1282.812	43.81	-12.29	31.52	74.00	-42.48	peak
	2	1819.293	44.57	-9.79	34.78	74.00	-39.22	peak
	3	2427.643	44.87	-7.42	37.45	74.00	-36.55	peak

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams are attached as below display the measurement of peak values

4. The average measurement was not performed when peak measured data under the limit of average detection.


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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.: RICKY #1802

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/06/25

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13:44:02

EUT: 5.5inch 3G TABLET

Engineer Signature:

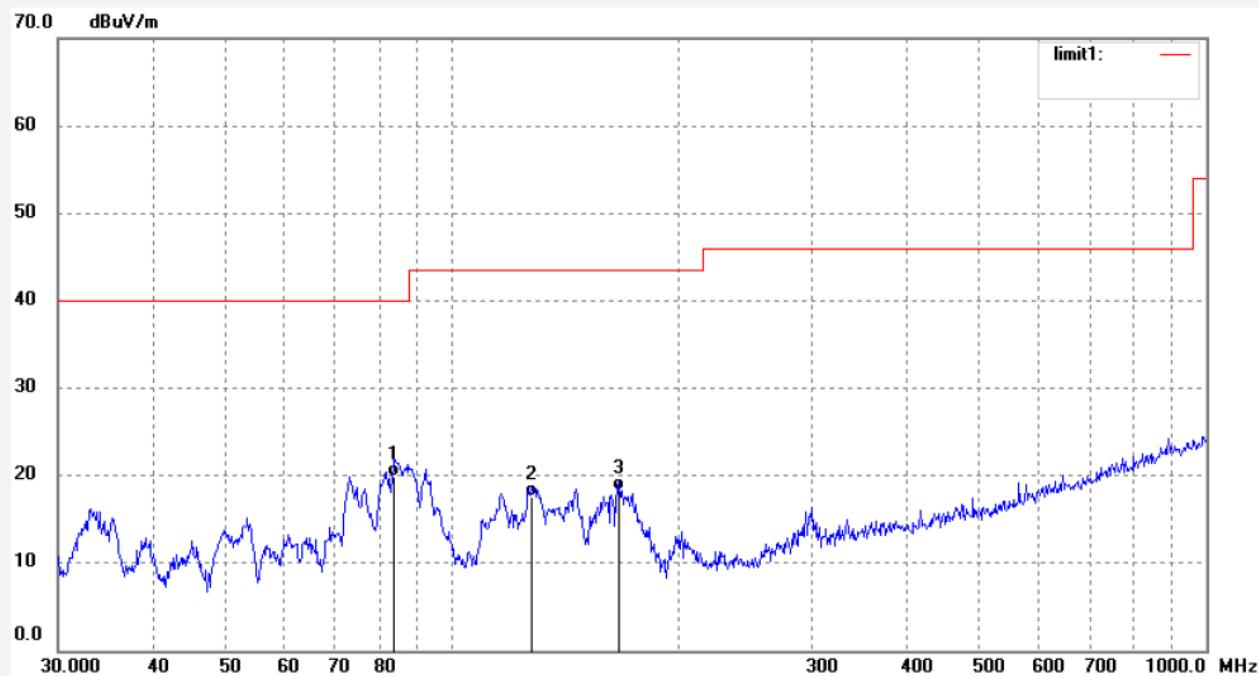
Mode: Video playing

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.8156	41.46	-21.51	19.95	40.00	-20.05	QP			
2	127.2176	40.55	-22.90	17.65	43.50	-25.85	QP			
3	166.0680	40.55	-22.21	18.34	43.50	-25.16	QP			


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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RICKY #1803

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/06/25

Temp. (C)/Hum.(%) 25 C / 55 %

Time: 13:45:39

EUT: 5.5inch 3G TABLET

Engineer Signature:

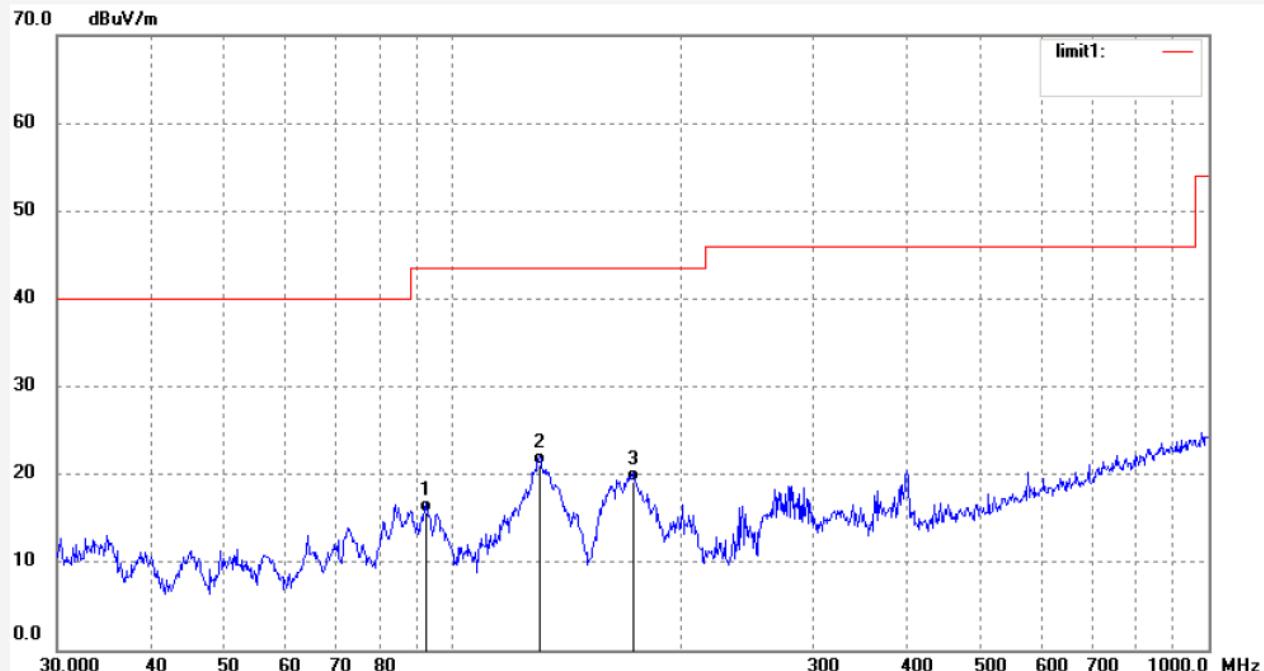
Mode: Video playing

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



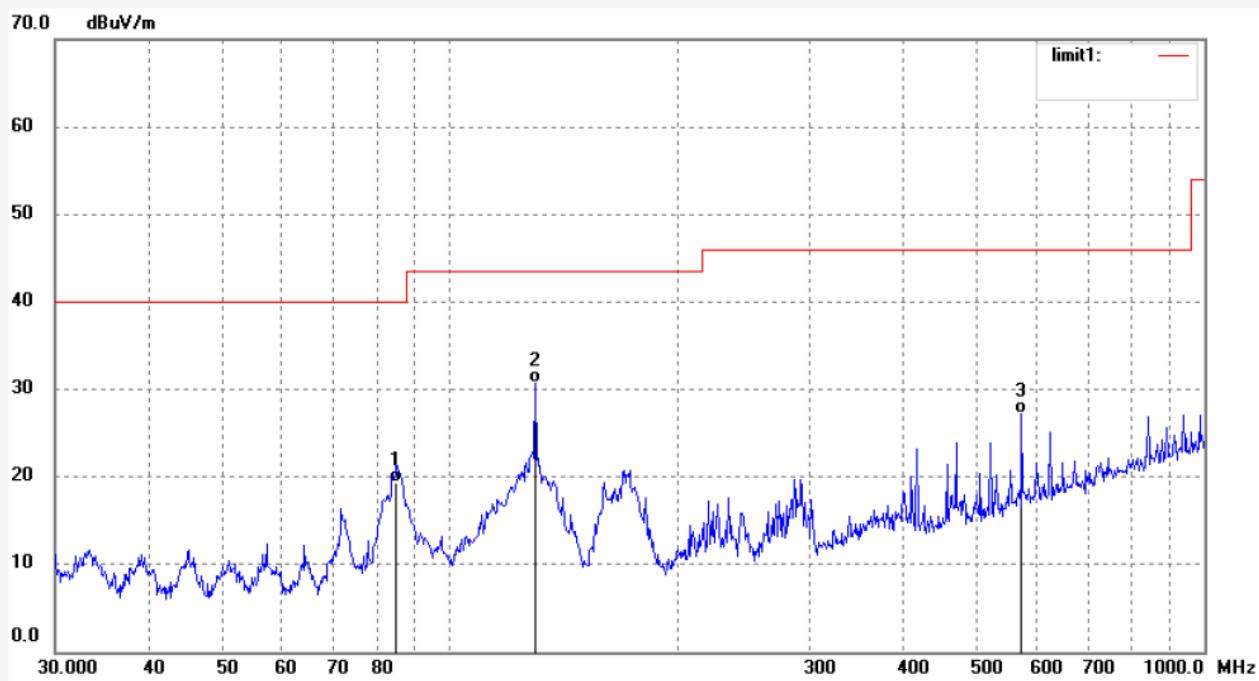
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	92.4624	37.45	-21.77	15.68	43.50	-27.82	QP			
2	130.3788	44.12	-23.04	21.08	43.50	-22.42	QP			
3	173.2050	41.35	-22.13	19.22	43.50	-24.28	QP			


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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.:	RICKY #1804	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2014/06/25
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	13:47:42
EUT:	5.5inch 3G TABLET	Engineer Signature:	
Mode:	Camera	Distance:	3m
Model:	Force XT55SP		
Manufacturer:	IMC		
Note:	Report No:ATE20141091		



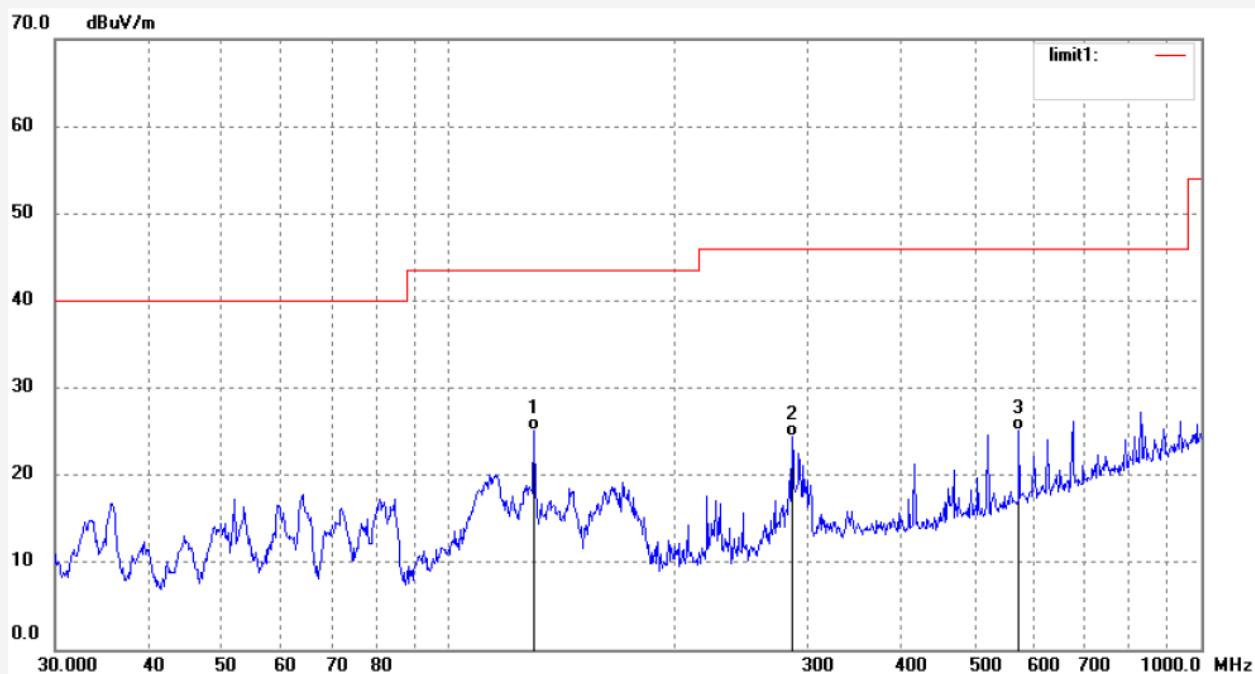
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	84.9995	40.96	-21.55	19.41	40.00	-20.59	QP			
2	129.9226	53.82	-23.03	30.79	43.50	-12.71	QP			
3	572.6144	39.56	-12.31	27.25	46.00	-18.75	QP			


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

Job No.:	RICKY #1805	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2014/06/25
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	13:48:50
EUT:	5.5inch 3G TABLET	Engineer Signature:	
Mode:	Camera	Distance:	3m
Model:	Force XT55SP		
Manufacturer:	IMC		
Note:	Report No:ATE20141091		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	129.9226	48.17	-23.03	25.14	43.50	-18.36	QP			
2	285.9778	42.59	-18.16	24.43	46.00	-21.57	QP			
3	572.6144	37.37	-12.31	25.06	46.00	-20.94	QP			


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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.: RICKY #1806

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/06/25

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13:49:18

EUT: 5.5inch 3G TABLET

Engineer Signature:

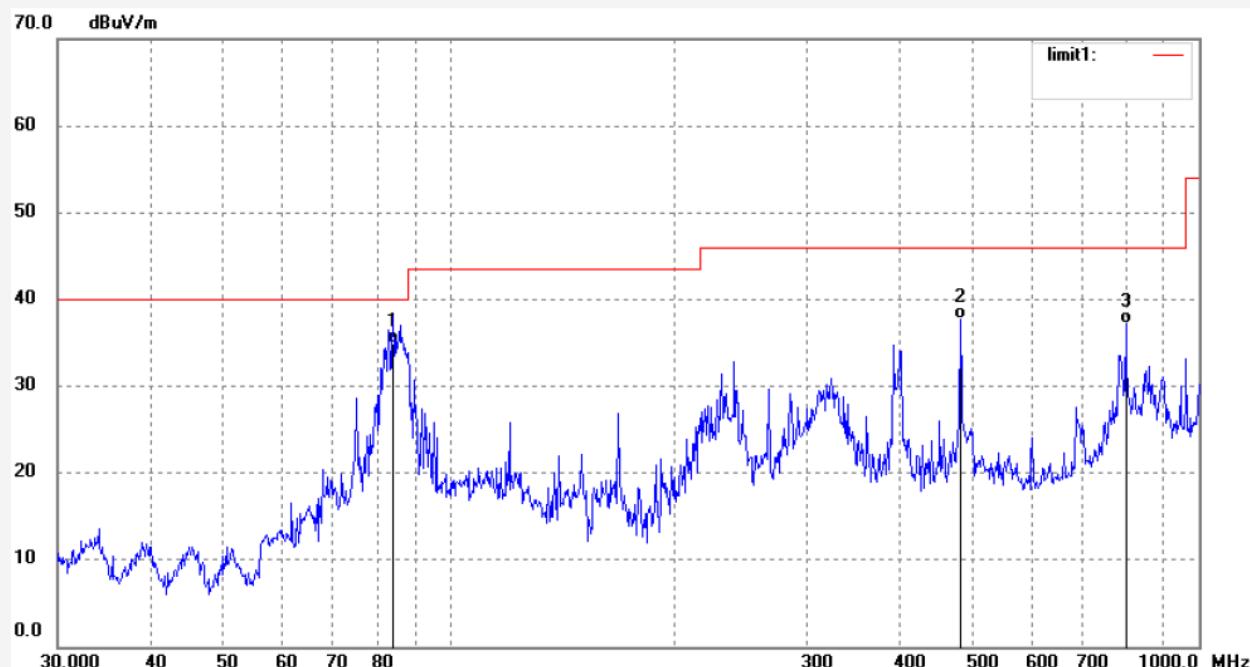
Mode: Transfer data

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	84.1098	56.49	-21.51	34.98	40.00	-5.02	QP			
2	480.5276	51.92	-14.16	37.76	46.00	-8.24	QP			
3	798.9796	45.07	-7.80	37.27	46.00	-8.73	QP			


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

Job No.: RICKY #1807

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/06/25

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/50/35

EUT: 5.5inch 3G TABLET

Engineer Signature:

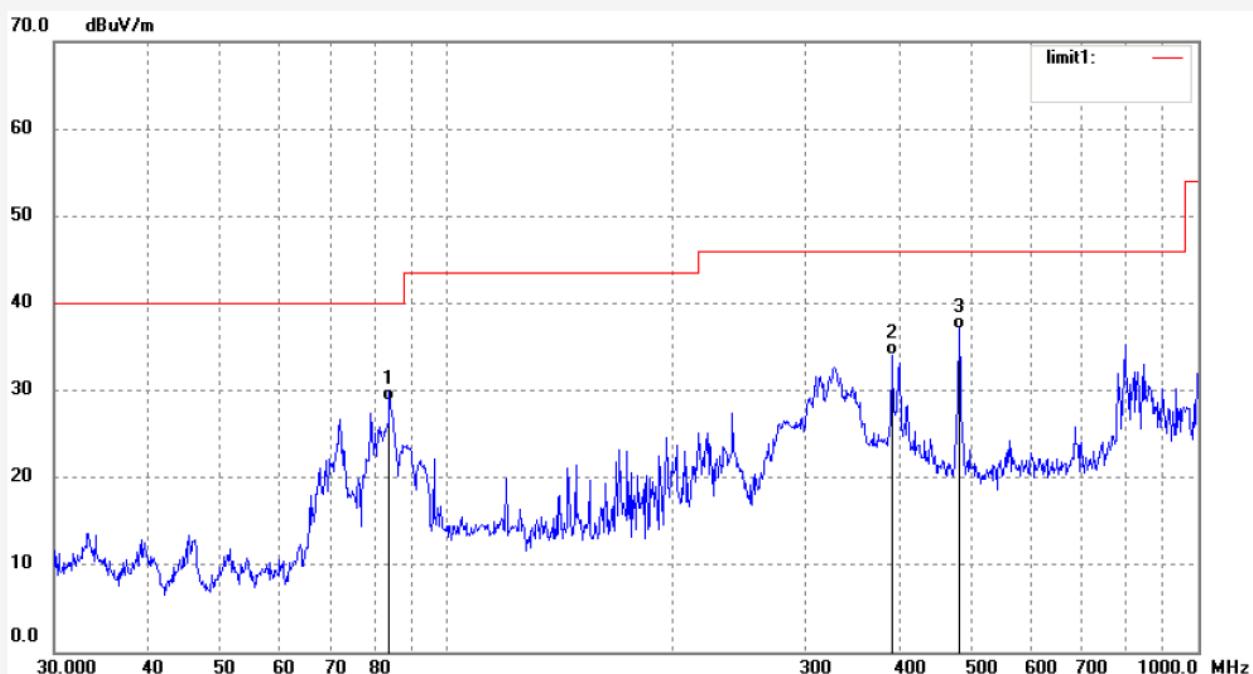
Mode: Transfer data

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.8156	50.31	-21.51	28.80	40.00	-11.20	QP			
2	390.7225	49.80	-15.72	34.08	46.00	-11.92	QP			
3	480.5276	51.26	-14.16	37.10	46.00	-8.90	QP			


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

Job No.: RICKY #1941

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/07/02

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 17:39:40

EUT: 5.5inch 3G TABLET

Engineer Signature:

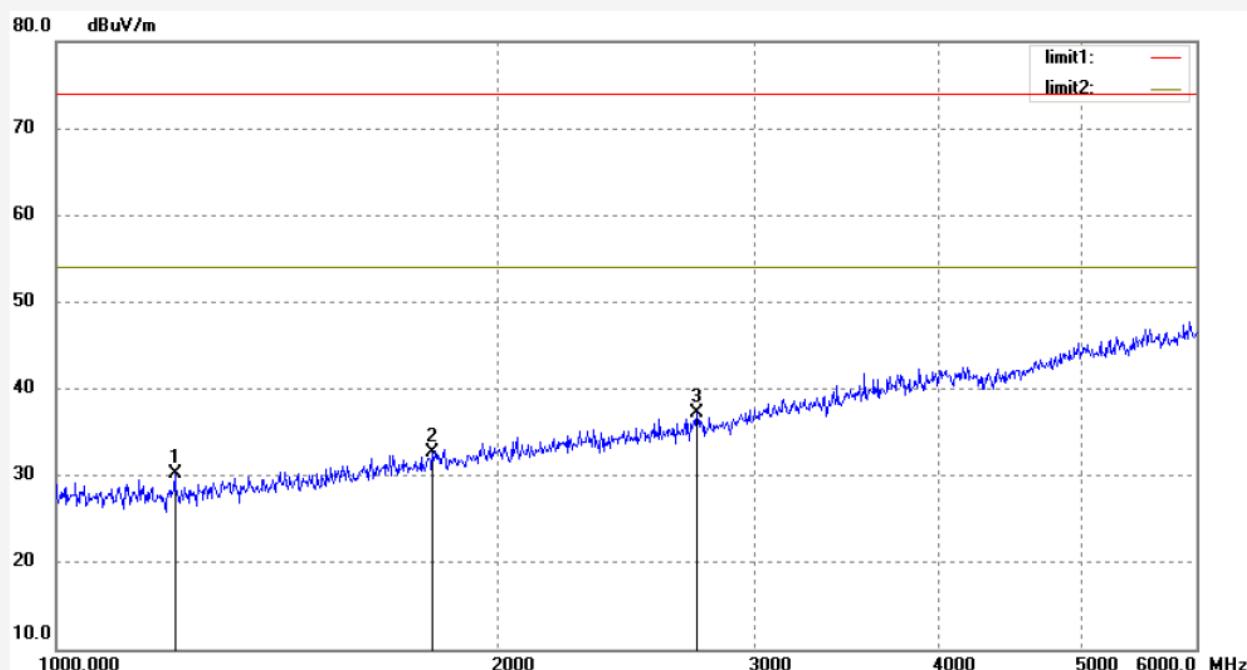
Mode: Video playing

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1204.835	42.84	-12.63	30.21	74.00	-43.79	peak			
2	1806.300	42.48	-9.90	32.58	74.00	-41.42	peak			
3	2737.291	43.48	-6.23	37.25	74.00	-36.75	peak			


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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RICKY #1940

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/07/02

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 17:38:56

EUT: 5.5inch 3G TABLET

Engineer Signature:

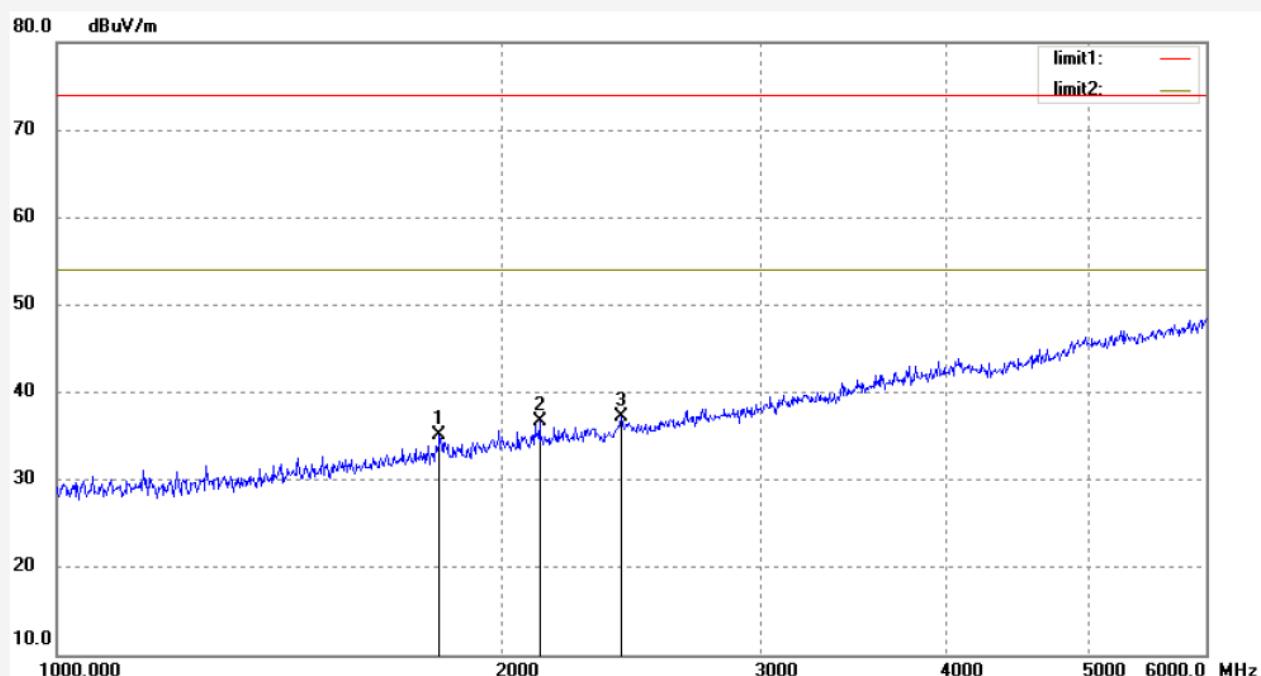
Mode: Video playing

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1816.036	44.92	-9.82	35.10	74.00	-38.90	peak			
2	2122.382	45.06	-8.42	36.64	74.00	-37.36	peak			
3	2410.307	44.60	-7.47	37.13	74.00	-36.87	peak			


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 Site: 1# Chamber
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Job No.: RICKY #1939

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/07/02

Temp. (C)/Hum.(%) 25 C / 55 %

Time: 17:35:37

EUT: 5.5inch 3G TABLET

Engineer Signature:

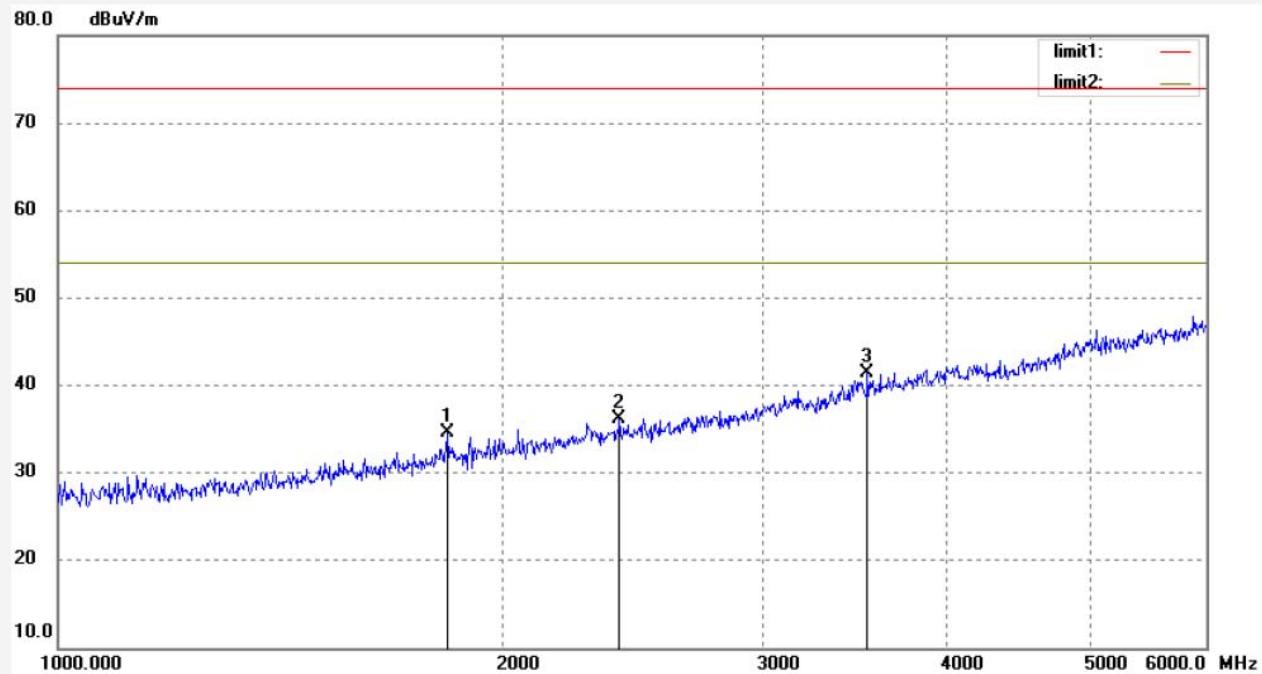
Mode: Camera

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1835.664	44.32	-9.65	34.67	74.00	-39.33	peak			
2	2401.684	43.65	-7.50	36.15	74.00	-37.85	peak			
3	3536.687	44.34	-2.86	41.48	74.00	-32.52	peak			


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Job No.: RICKY #1938

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/07/02

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 17:34:01

EUT: 5.5inch 3G TABLET

Engineer Signature:

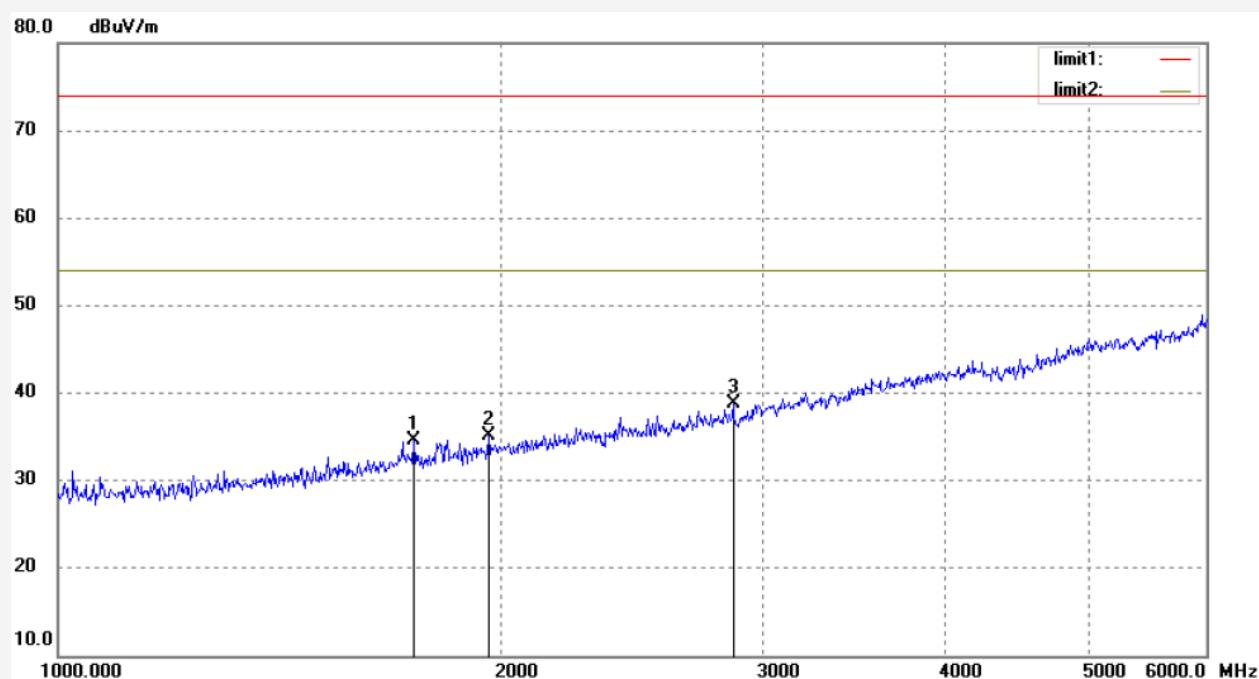
Mode: Camera

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1742.717	44.82	-10.29	34.53	74.00	-39.47	peak			
2	1957.973	44.18	-9.11	35.07	74.00	-38.93	peak			
3	2867.827	44.62	-5.92	38.70	74.00	-35.30	peak			


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Job No.: RICKY #1937

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/07/02

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 17:32:07

EUT: 5.5inch 3G TABLET

Engineer Signature:

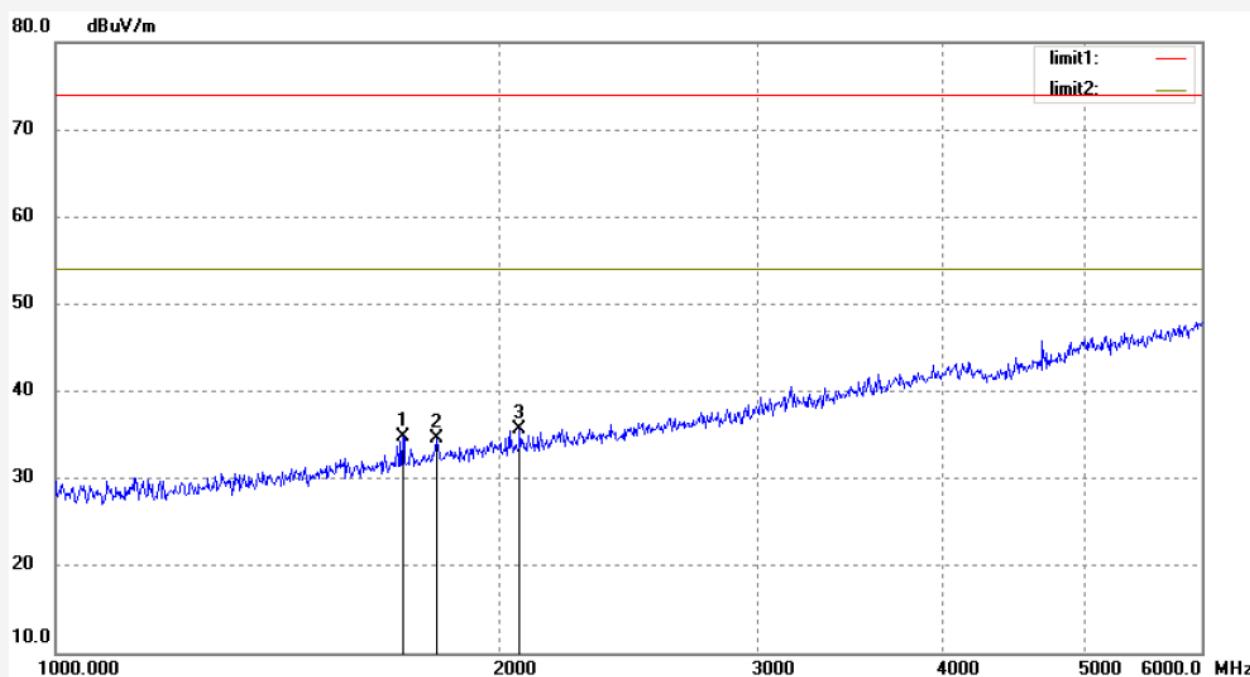
Mode: Transfer data

Distance: 3m

Model: Force XT55SP

Manufacturer: IMC

Note: Report No:ATE20141091



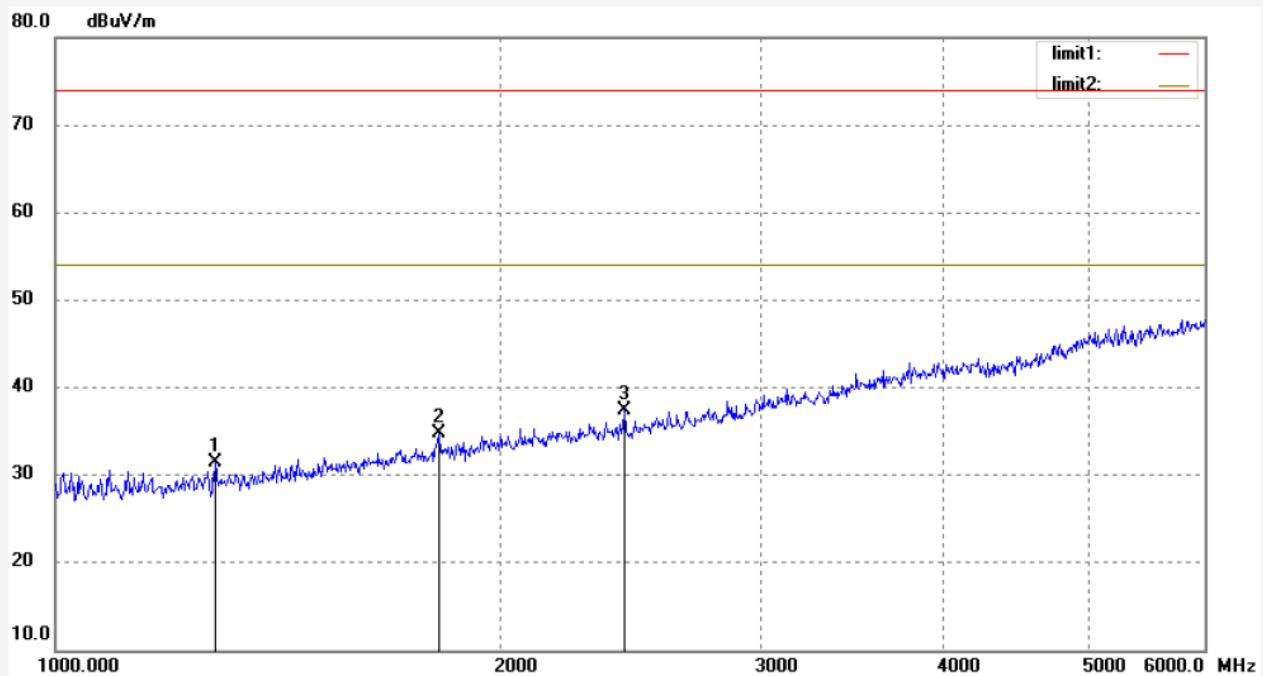
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1720.996	45.04	-10.27	34.77	74.00	-39.23	peak			
2	1812.785	44.36	-9.85	34.51	74.00	-39.49	peak			
3	2066.100	44.42	-8.70	35.72	74.00	-38.28	peak			


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Job No.:	RICKY #1936	Polarization:	Vertical
Standard:	FCC PK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2014/07/02
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	17:31:05
EUT:	5.5inch 3G TABLET	Engineer Signature:	
Mode:	Transfer data	Distance:	3m
Model:	Force XT55SP		
Manufacturer:	IMC		
Note:	Report No:ATE20141091		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1282.812	43.81	-12.29	31.52	74.00	-42.48	peak			
2	1819.293	44.57	-9.79	34.78	74.00	-39.22	peak			
3	2427.643	44.87	-7.42	37.45	74.00	-36.55	peak			