

APPLICATION FOR VERIFICATION
On Behalf of
SHENZHEN AINOL ELECTRON CO.,LTD

Numy 3G serials-AX1 SPEC
Model No.: Numy 3G AX1

FCC ID: 2ABTP-NUMY-3G

Prepared for : SHENZHEN AINOL ELECTRON CO.,LTD
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Report No. : ATE20132566
Date of Test : Dec 02, 2013-Feb 15, 2014
Date of Report : Feb 15, 2014

TABLE OF CONTENTS

Description	Page
Test Report Declaration	
1. TEST RESULTS SUMMARY	4
2. GENERAL INFORMATION	5
2.1. Product of Device (EUT)	5
2.2. Accessory and Auxiliary Equipment	5
2.3. Description of Test Facility	6
2.4. Measurement Uncertainty	6
3. POWER LINE CONDUCTED MEASUREMENT	7
3.1. For Power Line Conducted Emission	7
3.2. Block Diagram of Test Setup	7
3.3. Power Line Conducted Emission Measurement Limits (Class B)	8
3.4. Configuration of EUT on Measurement	8
3.5. Operating Condition of EUT	8
3.6. Test Procedure	8
3.7. Power Line Conducted Emission Measurement Results	8
4. RADIATED EMISSION MEASUREMENT	21
4.1. For Radiated Emission Measurement	21
4.2. TEST CONFIGURATION	21
4.3. Block Diagram of Test Setup	22
4.4. Radiated Emission Limit (Class B)	23
4.5. EUT Configuration on Measurement	23
4.6. Operating Condition of EUT	23
4.7. Test Procedure	23
4.8. Radiated Emission Noise Measurement Result	24
5. PHOTOGRAPHS	43
5.1. Photos of Radiated Measurement	43
5.2. Photograph of set-up for Mains Terminal Disturbance Voltage	47
5.3. Photos of EUT	49

Test Report Declaration

Applicant : SHENZHEN AINOL ELECTRON CO.,LTD

Manufacturer : SHENZHEN AINOL ELECTRON CO.,LTD

EUT Description : Nummy 3G serials-AX1 SPEC

(A) MODEL NO.: Nummy 3G AX1

(B) Trade Name.: Ainol

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

Measurement Procedure Used:

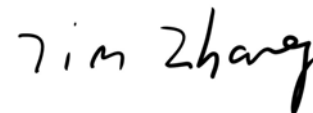
FCC Rules and Regulations Part 15 Subpart B Class B & ANSI C63.4: 2009

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 : Dec 02, 2013-Feb 15, 2014

Prepared by :



(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	:	Nummy 3G serials-AX1 SPEC
Model No.	:	Nummy 3G AX1
Applicant	:	SHENZHEN AINOL ELECTRON CO.,LTD
Address	:	Room 606,Bldg B,7 Star Business Plaza, Minzhi Street, Longhua District, Shenzhen, China
Manufacturer	:	SHENZHEN AINOL ELECTRON CO.,LTD
Address	:	Room 606,Bldg B,7 Star Business Plaza, Minzhi Street, Longhua District, Shenzhen, China
Power Supply	:	DC 3.7V (Powered by Battery) AC 120V/60Hz (Powered by Adapter)
Adapter	:	Model:SJ-0520-E Input: AC 100-240V 50/60Hz 0.3A Output: 5.0V 2.0A
Date of sample received	:	Dec 02, 2013
Date of Test	:	Dec 02, 2013-Feb 15, 2014

2.2.Accessory and Auxiliary Equipment

HDTV	Manufacturer: DELL
	M/N: 1704FPTt
	Serial No.: 709913441

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

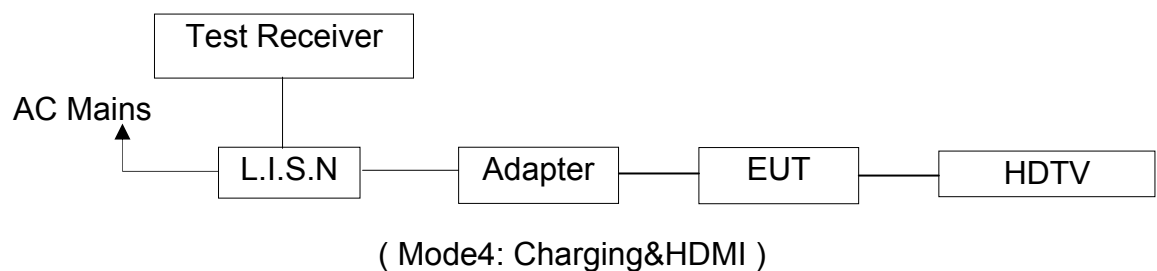
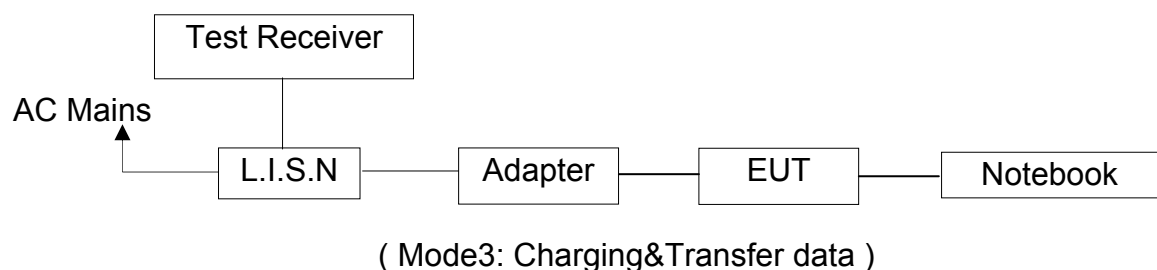
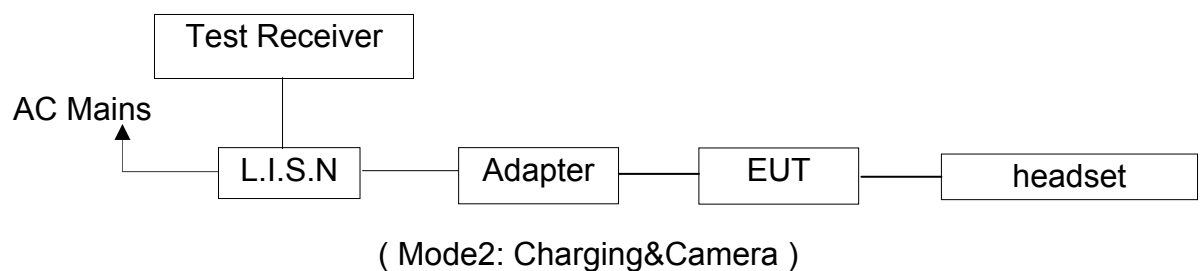
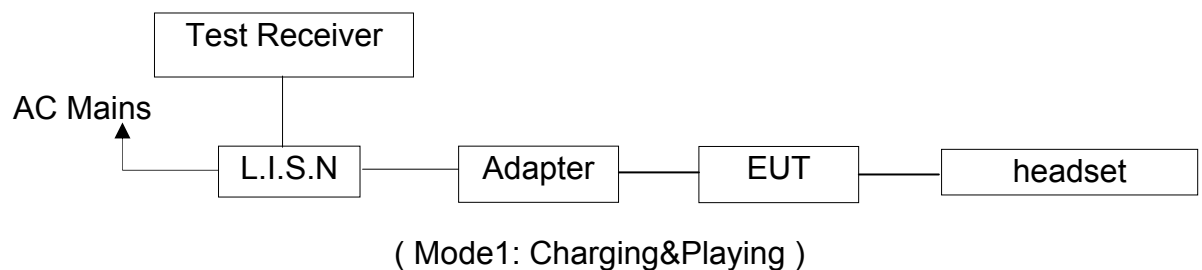
Conducted emission expanded uncertainty : U=2.23dB, k=2
Power disturbance expanded uncertainty : U=2.92dB, k=2
Radiated emission expanded uncertainty : U=3.08dB, k=2
(9kHz-30MHz)
Radiated emission expanded uncertainty : U=4.42dB, k=2
(30MHz-1000MHz)
Radiated emission expanded uncertainty : U=4.06dB,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

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



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

Frequency MHz	Limits dB(μ V)	
	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: "AN01_fin"								
2013-12-3 14:35								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.191764	57.70	10.8	64	6.3	QP	L1	GND	
0.240070	52.10	11.2	62	10.0	QP	L1	GND	
0.529400	44.50	12.5	56	11.5	QP	L1	GND	
MEASUREMENT RESULT: "AN01_fin2"								
2013-12-3 14:35								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.191764	44.80	10.8	54	9.2	AV	L1	GND	
0.527817	41.30	12.5	46	4.7	AV	L1	GND	
2.543741	39.20	12.3	46	6.8	AV	L1	GND	
MEASUREMENT RESULT: "AN02_fin"								
2013-12-3 14:37								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.191191	54.60	10.8	64	9.4	QP	N	GND	
0.527817	40.60	12.5	56	15.4	QP	N	GND	
29.753563	47.80	12.0	60	12.2	QP	N	GND	
MEASUREMENT RESULT: "AN02_fin2"								
2013-12-3 14:37								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.430546	40.10	12.2	47	7.1	AV	N	GND	
0.526238	40.70	12.5	46	5.3	AV	N	GND	
2.528547	36.10	12.3	46	9.9	AV	N	GND	

Test mode : Charging+ Camera

MEASUREMENT RESULT: "AN04_fin"

2013-12-3 14:43

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.523095	45.70	12.5	56	10.3	QP	L1	GND
2.417448	42.40	12.3	56	13.6	QP	L1	GND
27.939548	47.90	12.0	60	12.1	QP	L1	GND

MEASUREMENT RESULT: "AN04_fin2"

2013-12-3 14:43

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.427974	39.10	12.2	47	8.2	AV	L1	GND
0.476707	37.70	12.4	46	8.7	AV	L1	GND
0.523095	41.50	12.5	46	4.5	AV	L1	GND

MEASUREMENT RESULT: "AN03_fin"

2013-12-3 14:41

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.190049	50.60	10.8	64	13.4	QP	N	GND
0.524664	42.40	12.5	56	13.6	QP	N	GND
28.875509	48.20	12.0	60	11.8	QP	N	GND

MEASUREMENT RESULT: "AN03_fin2"

2013-12-3 14:41

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.429258	39.60	12.2	47	7.7	AV	N	GND
0.524664	39.80	12.5	46	6.2	AV	N	GND
2.468673	37.70	12.3	46	8.3	AV	N	GND

Test mode : Charging+ Transfer data

MEASUREMENT RESULT: "AN07_fin"

2013-12-3 15:15

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.176336	59.30	10.6	65	5.4	QP	L1	GND
3.515392	39.30	12.3	56	16.7	QP	L1	GND
16.343775	38.50	12.1	60	21.5	QP	L1	GND

MEASUREMENT RESULT: "AN07_fin2"

2013-12-3 15:15

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.170110	42.50	10.6	55	12.5	AV	L1	GND
3.330864	28.70	12.3	46	17.3	AV	L1	GND
16.343775	32.10	12.1	50	17.9	AV	L1	GND

MEASUREMENT RESULT: "AN08_fin"

2013-12-3 15:19

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.174236	57.10	10.6	65	7.7	QP	N	GND
3.320902	37.20	12.3	56	18.8	QP	N	GND
15.532326	36.90	12.1	60	23.1	QP	N	GND

MEASUREMENT RESULT: "AN08_fin2"

2013-12-3 15:19

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.174236	41.10	10.6	55	13.7	AV	N	GND
2.910817	28.30	12.3	46	17.7	AV	N	GND
16.441985	31.20	12.1	50	18.8	AV	N	GND

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

Test mode : Charging+ HDMI Playing								
MEASUREMENT RESULT: "AN10_fin"								
2013-12-3 15:23								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.523095	45.30	12.5	56	10.7	QP	L1	GND	
2.513444	44.00	12.3	56	12.0	QP	L1	GND	
15.301424	47.50	12.1	60	12.5	QP	L1	GND	
MEASUREMENT RESULT: "AN10_fin2"								
2013-12-3 15:23								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.427974	40.70	12.2	47	6.6	AV	L1	GND	
0.523095	41.90	12.5	46	4.1	AV	L1	GND	
2.513444	35.60	12.3	46	10.4	AV	L1	GND	
MEASUREMENT RESULT: "AN09_fin"								
2013-12-3 15:22								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.524664	46.00	12.5	56	10.0	QP	N	GND	
2.468673	45.00	12.3	56	11.0	QP	N	GND	
15.861456	47.10	12.1	60	12.9	QP	N	GND	
MEASUREMENT RESULT: "AN09_fin2"								
2013-12-3 15:22								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.475281	41.10	12.4	46	5.3	AV	N	GND	
0.523095	43.40	12.5	46	2.6	AV	N	GND	
2.468673	36.90	12.3	46	9.1	AV	N	GND	

Note: During the test, Let HDTV display the content of EUT.

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

The spectral diagrams are attached as below.

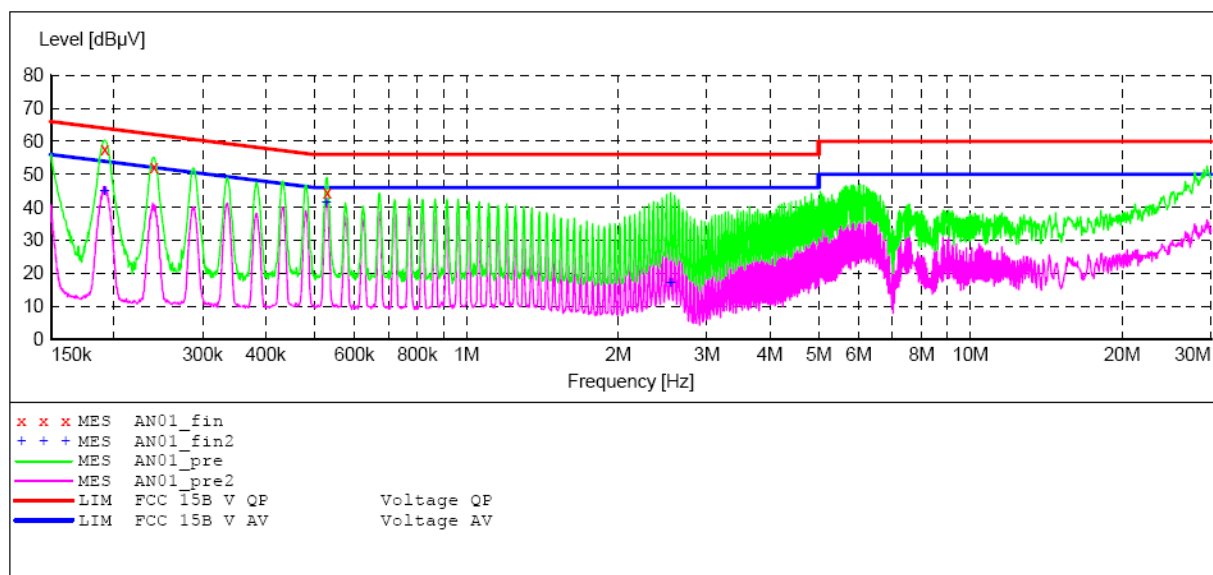
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Nummy 3G serials-AX1 SPEC M/N:Numy 3G
 Manufacturer: AINOL
 Operating Condition: Charging+Playing
 Test Site: 2#Shielding Room
 Operator: star
 Test Specification: L 120V/60Hz
 Comment: Report NO.:ATE20132566
 Start of Test: 2013-12-3 / 14:33:30

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 0.4 % QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)
 Average



MEASUREMENT RESULT: "AN01_fin"

2013-12-3 14:35

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.191764	57.70	10.8	64	6.3	QP	L1	GND
0.240070	52.10	11.2	62	10.0	QP	L1	GND
0.529400	44.50	12.5	56	11.5	QP	L1	GND

MEASUREMENT RESULT: "AN01_fin2"

2013-12-3 14:35

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.191764	44.80	10.8	54	9.2	AV	L1	GND
0.527817	41.30	12.5	46	4.7	AV	L1	GND
2.543741	39.20	12.3	46	6.8	AV	L1	GND

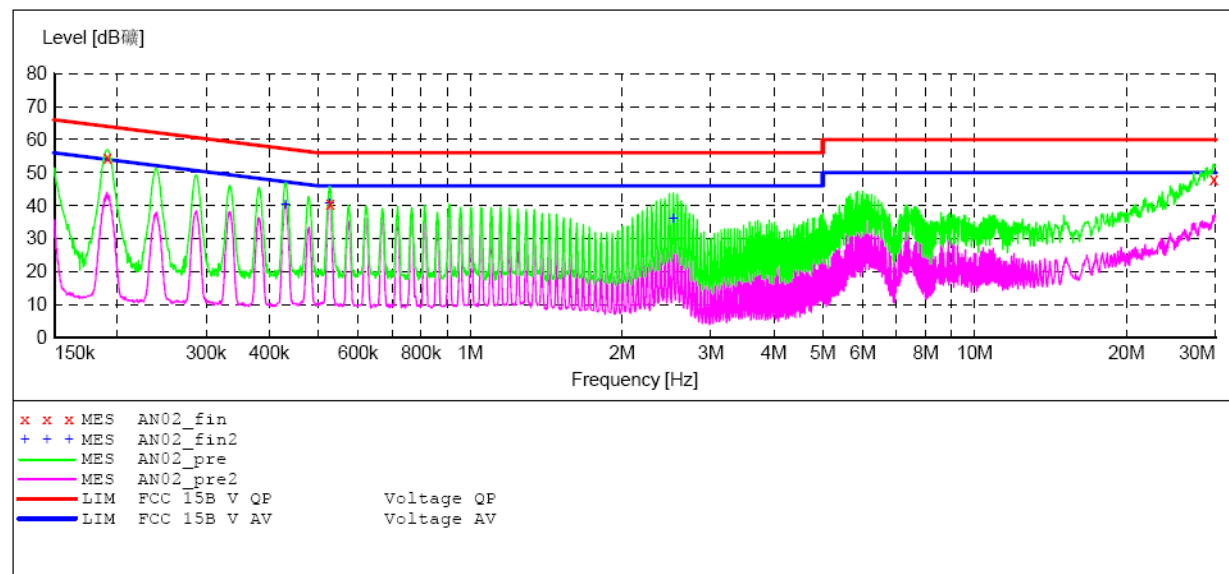
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Nummy 3G serials-AX1 SPEC M/N:Numy 3G
 Manufacturer: AINOL
 Operating Condition: Charging+Playing
 Test Site: 2#Shielding Room
 Operator: star
 Test Specification: N 120V/60Hz
 Comment: Report NO.:ATE20132566
 Start of Test: 2013-12-3 / 14:35:48

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 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)
 Average



MEASUREMENT RESULT: "AN02_fin"

2013-12-3 14:37

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.191191	54.60	10.8	64	9.4	QP	N	GND
0.527817	40.60	12.5	56	15.4	QP	N	GND
29.753563	47.80	12.0	60	12.2	QP	N	GND

MEASUREMENT RESULT: "AN02_fin2"

2013-12-3 14:37

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.430546	40.10	12.2	47	7.1	AV	N	GND
0.526238	40.70	12.5	46	5.3	AV	N	GND
2.528547	36.10	12.3	46	9.9	AV	N	GND

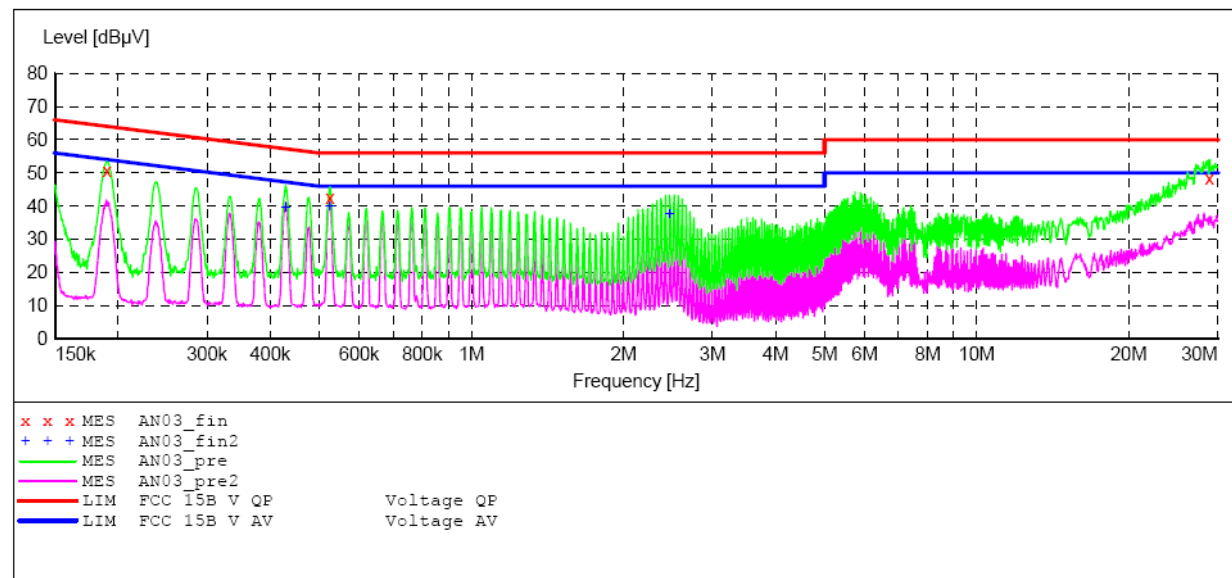
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Nummy 3G serials-AX1 SPEC M/N:Numy 3G
 Manufacturer: AINOL
 Operating Condition: Camera
 Test Site: 2#Shielding Room
 Operator: star
 Test Specification: N 120V/60Hz
 Comment: Report NO.:ATE20132566
 Start of Test: 2013-12-3 / 14:39:49

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 0.4 % QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)
 Average



MEASUREMENT RESULT: "AN03_fin"

2013-12-3 14:41

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.190049	50.60	10.8	64	13.4	QP	N	GND
0.524664	42.40	12.5	56	13.6	QP	N	GND
28.875509	48.20	12.0	60	11.8	QP	N	GND

MEASUREMENT RESULT: "AN03_fin2"

2013-12-3 14:41

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.429258	39.60	12.2	47	7.7	AV	N	GND
0.524664	39.80	12.5	46	6.2	AV	N	GND
2.468673	37.70	12.3	46	8.3	AV	N	GND

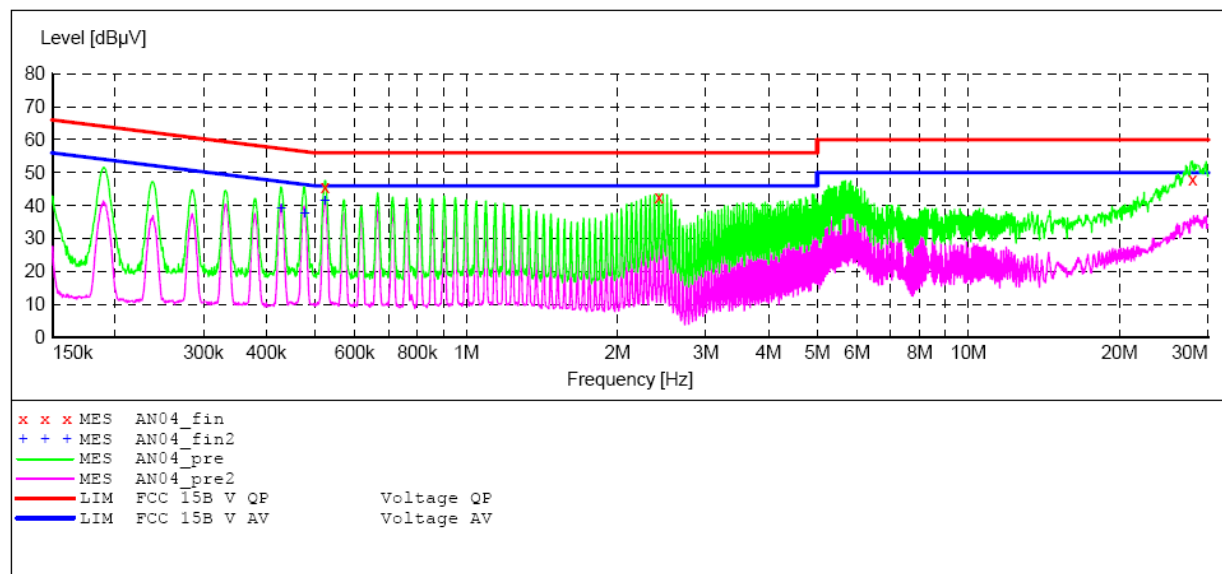
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Nummy 3G serials-AX1 SPEC M/N:Numy 3G
 Manufacturer: AINOL
 Operating Condition: Camera
 Test Site: 2#Shielding Room
 Operator: star
 Test Specification: L 120V/60Hz
 Comment: Report NO.:ATE20132566
 Start of Test: 2013-12-3 / 14:41:36

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 0.4 % QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)
 Average



MEASUREMENT RESULT: "AN04_fin"

2013-12-3 14:43

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.523095	45.70	12.5	56	10.3	QP	L1	GND
2.417448	42.40	12.3	56	13.6	QP	L1	GND
27.939548	47.90	12.0	60	12.1	QP	L1	GND

MEASUREMENT RESULT: "AN04_fin2"

2013-12-3 14:43

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.427974	39.10	12.2	47	8.2	AV	L1	GND
0.476707	37.70	12.4	46	8.7	AV	L1	GND
0.523095	41.50	12.5	46	4.5	AV	L1	GND

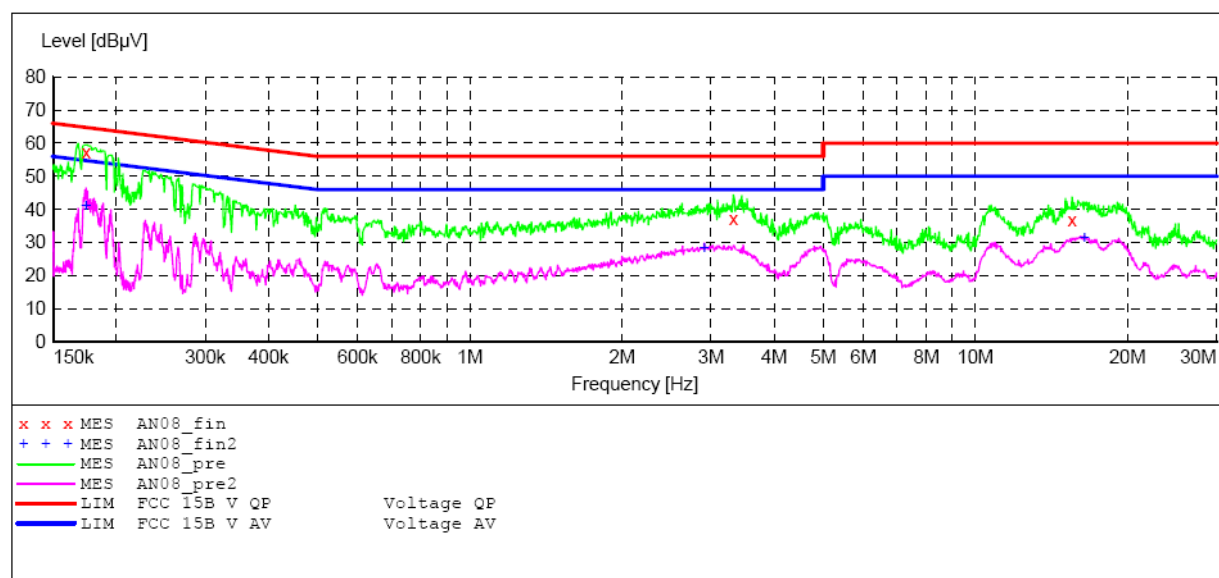
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Nummy 3G serials-AX1 SPEC M/N:Numy 3G
 Manufacturer: AINOL
 Operating Condition: Transfer data
 Test Site: 2#Shielding Room
 Operator: star
 Test Specification: N 120V/60Hz
 Comment: Report NO.:ATE20132566
 Start of Test: 2013-12-3 / 15:16:03

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 0.4 % QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)
 Average



MEASUREMENT RESULT: "AN08_fin"

2013-12-3 15:19

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.174236	57.10	10.6	65	7.7	QP	N	GND
3.320902	37.20	12.3	56	18.8	QP	N	GND
15.532326	36.90	12.1	60	23.1	QP	N	GND

MEASUREMENT RESULT: "AN08_fin2"

2013-12-3 15:19

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.174236	41.10	10.6	55	13.7	AV	N	GND
2.910817	28.30	12.3	46	17.7	AV	N	GND
16.441985	31.20	12.1	50	18.8	AV	N	GND

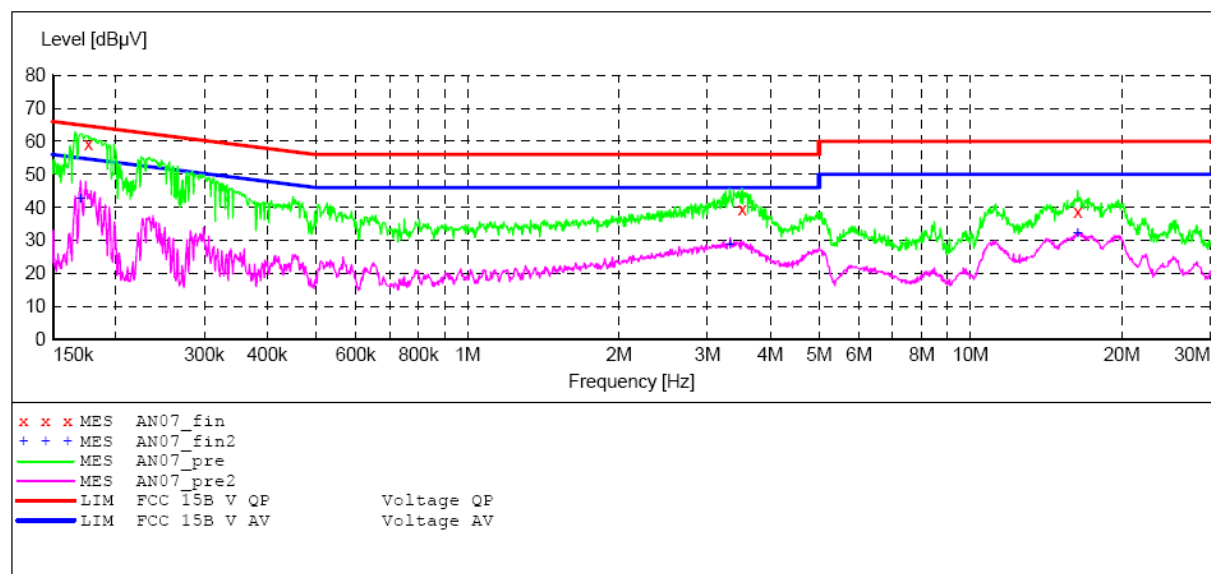
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Numy 3G serials-AX1 SPEC M/N:Numy 3G
 Manufacturer: AINOL
 Operating Condition: Transfer data
 Test Site: 2#Shielding Room
 Operator: star
 Test Specification: L 120V/60Hz
 Comment: Report NO.:ATE20132566
 Start of Test: 2013-12-3 / 15:14:03

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 0.4 % QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)
 Average



MEASUREMENT RESULT: "AN07_fin"

2013-12-3 15:15

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.176336	59.30	10.6	65	5.4	QP	L1	GND
3.515392	39.30	12.3	56	16.7	QP	L1	GND
16.343775	38.50	12.1	60	21.5	QP	L1	GND

MEASUREMENT RESULT: "AN07_fin2"

2013-12-3 15:15

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.170110	42.50	10.6	55	12.5	AV	L1	GND
3.330864	28.70	12.3	46	17.3	AV	L1	GND
16.343775	32.10	12.1	50	17.9	AV	L1	GND

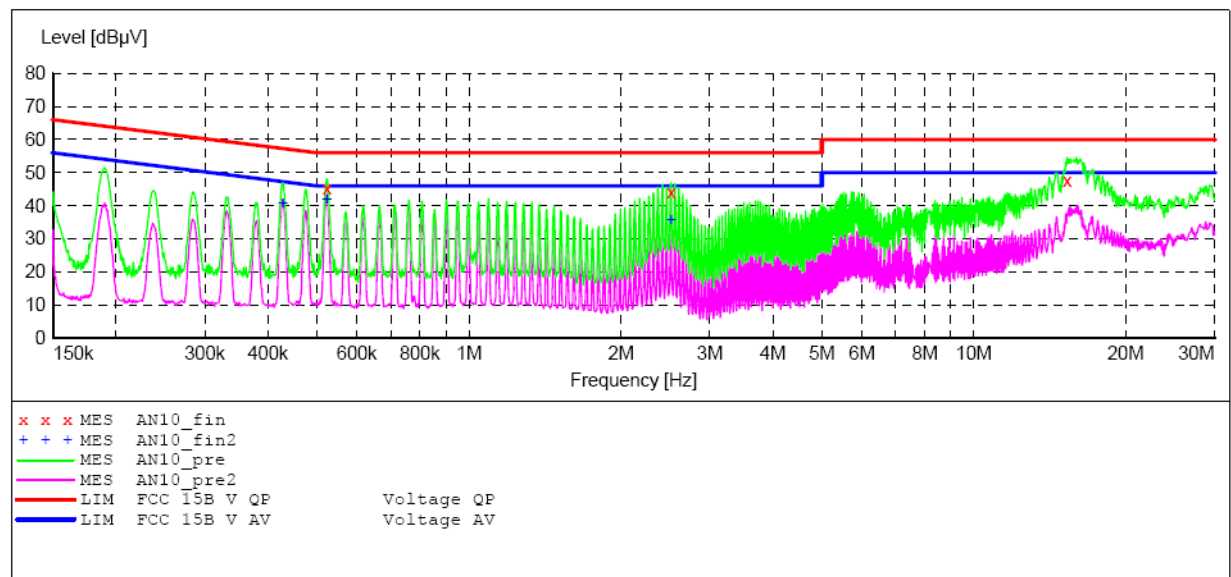
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Nummy 3G serials-AX1 SPEC M/N:Numy 3G
 Manufacturer: AINOL
 Operating Condition: HDMI Playing
 Test Site: 2#Shielding Room
 Operator: star
 Test Specification: L 120V/60Hz
 Comment: Report NO.:ATE20132566
 Start of Test: 2013-12-3 / 15:22:37

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 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)
 Average



MEASUREMENT RESULT: "AN10_fin"

2013-12-3 15:23

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.523095	45.30	12.5	56	10.7	QP	L1	GND
2.513444	44.00	12.3	56	12.0	QP	L1	GND
15.301424	47.50	12.1	60	12.5	QP	L1	GND

MEASUREMENT RESULT: "AN10_fin2"

2013-12-3 15:23

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.427974	40.70	12.2	47	6.6	AV	L1	GND
0.523095	41.90	12.5	46	4.1	AV	L1	GND
2.513444	35.60	12.3	46	10.4	AV	L1	GND

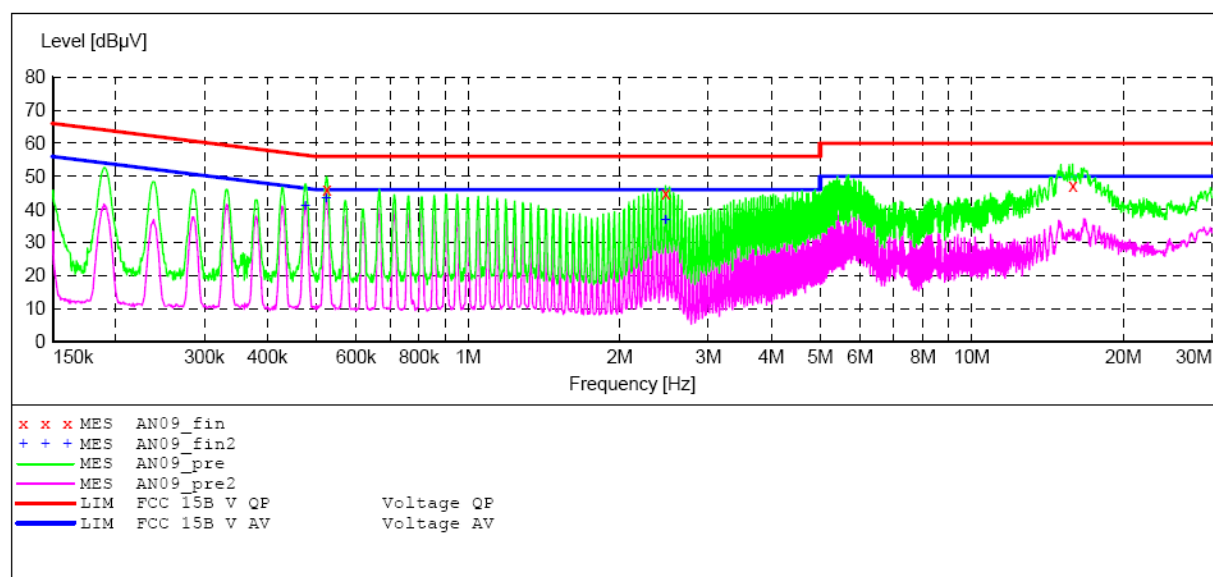
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Numy 3G serials-AX1 SPEC M/N:Numy 3G
 Manufacturer: AINOL
 Operating Condition: HDMI Playing
 Test Site: 2#Shielding Room
 Operator: star
 Test Specification: N 120V/60Hz
 Comment: Report NO.:ATE20132566
 Start of Test: 2013-12-3 / 15:20:09

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 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)
 Average



MEASUREMENT RESULT: "AN09_fin"

2013-12-3 15:22

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.524664	46.00	12.5	56	10.0	QP	N	GND
2.468673	45.00	12.3	56	11.0	QP	N	GND
15.861456	47.10	12.1	60	12.9	QP	N	GND

MEASUREMENT RESULT: "AN09_fin2"

2013-12-3 15:22

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.475281	41.10	12.4	46	5.3	AV	N	GND
0.523095	43.40	12.5	46	2.6	AV	N	GND
2.468673	36.90	12.3	46	9.1	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

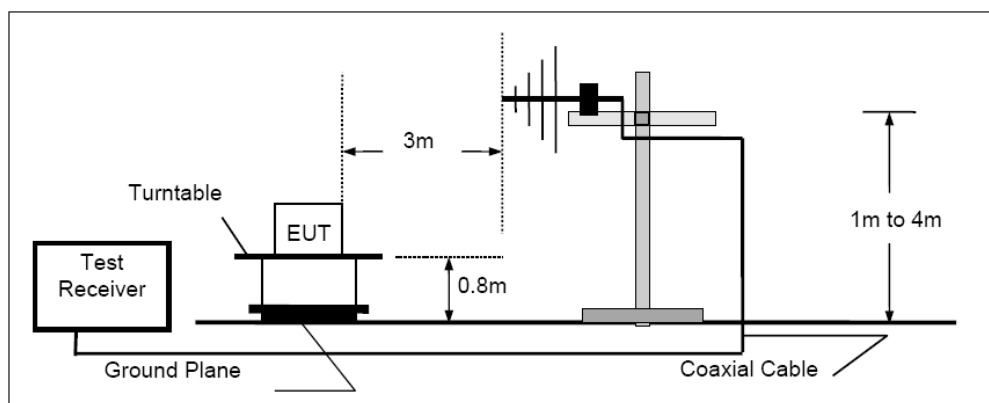
Expanded Uncertainty (9kHz-30MHz): U=3.08dB, k=2

Expanded Uncertainty (30MHz-1000MHz): U=4.42dB, k=2

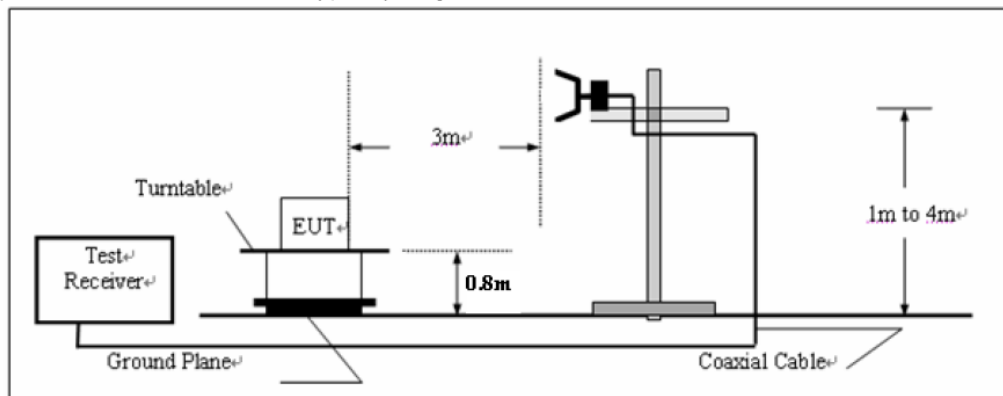
Expanded Uncertainty (Above 1GHz): U=4.06dB, k=2

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

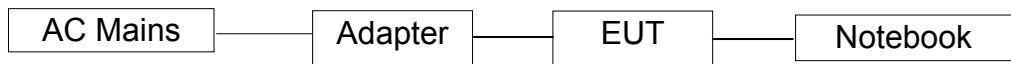
4.3.1. Block diagram of connection between the EUT and simulators



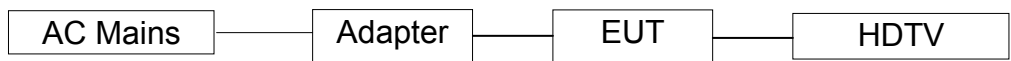
(Mode1: Charging&Playing)



(Mode2: Charging&Camera)

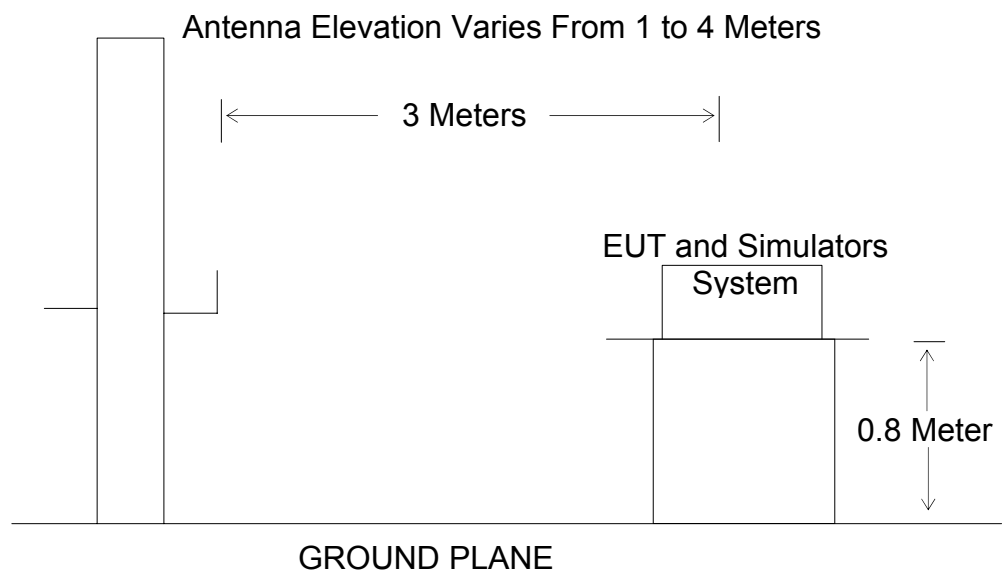


(Mode3: Charging&Transfer data)



(Mode4: Charging&HDMI)

4.3.2. Anechoic Chamber Test Setup Diagram



4.4. Radiated Emission Limit (Class B)

Frequency MHz	Distance Meters	Field Strengths Limit	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V/m})$
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 $\text{dB}(\mu\text{V}) = 20 \log$ Emission level $\mu\text{V/m}$. (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.

The bandwidth of the EMI test receiver (R&S ESCS30) is set at 120kHz from 30MHz to 1000MHz.

The frequency range from 30MHz to 1000MHz is checked.

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	160.3456	56.53	-22.82	33.71	43.50	-9.79	QP
	2	240.8304	57.39	-19.80	37.59	46.00	-8.41	QP
	3	361.7139	51.92	-15.91	36.01	46.00	-9.99	QP
	Above 1G							
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1559.250	51.70	-9.47	42.23	74.00	-31.77	peak
	2	1559.250	46.89	-9.47	37.42	54.00	-16.58	AVG
Vertical	Below 1G							
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	39.9942	52.84	-20.10	32.74	40.00	-7.26	QP
	2	240.8304	56.31	-19.80	36.51	46.00	-9.49	QP
	3	815.9678	44.23	-7.50	36.73	46.00	-9.27	QP
	Above 1G							
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1559.250	47.87	-9.47	38.40	74.00	-35.60	peak
	2	1559.250	42.58	-9.47	33.11	54.00	-20.89	AVG

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	59.40	-21.49	37.91	40.00	-2.09 QP
	2	129.9225	64.43	-23.03	41.40	43.50	-2.10 QP
	3	530.1014	57.10	-13.28	43.82	46.00	-2.18 QP
	Above 1G						
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB) Detector
	1	3724.419	46.33	-2.89	43.44	74.00	-30.56 peak
	2	3724.419	42.14	-2.89	39.25	54.00	-14.75 AVG
Vertical	Below 1G						
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB) Detector
	1	77.8654	59.30	-21.49	37.81	40.00	-2.19 QP
	2	494.1984	57.22	-14.00	43.22	46.00	-2.78 QP
	3	530.1014	56.97	-13.28	43.69	46.00	-2.31 QP
	Above 1G						
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB) Detector
	1	3712.450	45.51	-2.92	42.59	74.00	-31.41 peak
	2	3712.450	40.20	-2.92	37.28	54.00	-16.72 AVG

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	480.5276	56.14	-14.16	41.98	46.00	-4.02 QP
	2	665.8035	49.63	-10.35	39.28	46.00	-6.72 QP
	3	962.1623	46.47	-5.23	41.24	54.00	-12.76 QP
	Above 1G						
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB) Detector
	1	1991.403	61.17	-7.83	53.34	74.00	-20.66 peak
	2	1991.403	55.25	-7.83	47.42	54.00	-6.58 AVG
Vertical	Below 1G						
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB) Detector
	1	480.5276	51.88	-14.16	37.72	46.00	-8.28 QP
	2	665.8035	48.42	-10.35	38.07	46.00	-7.93 QP
	3	962.1623	44.88	-5.23	39.65	54.00	-14.35 QP
	Above 1G						
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB) Detector
	1	1991.403	64.20	-7.83	56.37	74.00	-17.63 peak
	2	1991.403	57.90	-7.83	50.07	54.00	-3.93 AVG

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

Test mode : Charging+ HDMI

Horizontal	Below 1G							
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	240.8303	58.10	-19.80	38.30	46.00	-7.70	QP
	2	355.4273	52.34	-16.08	36.26	46.00	-9.74	QP
	3	665.8034	47.75	-10.35	37.40	46.00	-8.60	QP
	Above 1G							
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1962.765	64.10	-7.94	56.16	74.00	-17.84	peak
	2	1962.765	57.97	-7.94	50.03	54.00	-3.97	AVG
	3	2354.247	61.55	-6.88	54.67	74.00	-19.33	peak
	4	2354.247	54.36	-6.88	47.48	54.00	-6.52	AVG
Vertical	Below 1G							
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	46.1779	54.71	-20.46	34.25	40.00	-5.75	QP
	2	240.8304	55.83	-19.80	36.03	46.00	-9.97	QP
	3	487.3151	50.66	-14.08	36.58	46.00	-9.42	QP
	Above 1G							
	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1787.838	51.84	-8.60	43.24	74.00	-30.76	peak
	2	1787.838	45.97	-8.60	37.37	54.00	-16.63	AVG
	3	2001.041	53.02	-7.79	45.23	74.00	-28.77	peak
	4	2001.041	48.20	-7.79	40.41	54.00	-13.59	AVG

Note: During the test, Let HDTV display the content of EUT.

Below 1G



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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.: star #4336

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Playing

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: AC 120V/60Hz

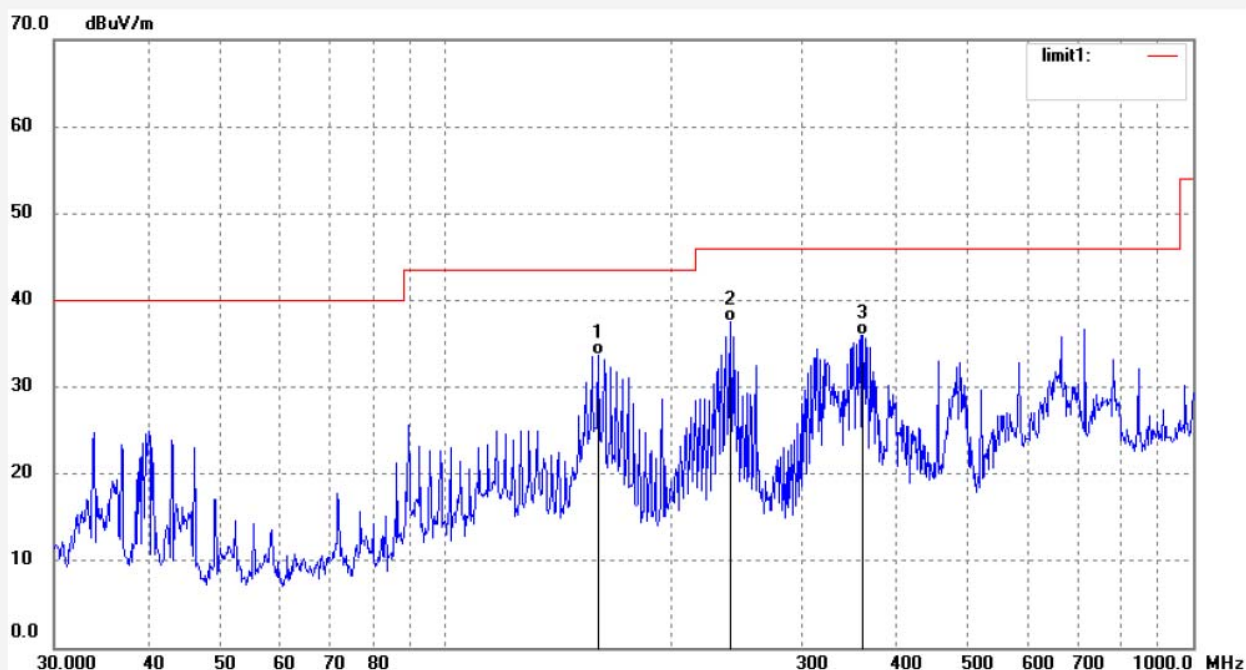
Date: 14/01/15/

Time: 9/51/59

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	160.3456	56.53	-22.82	33.71	43.50	-9.79	QP			
2	240.8304	57.39	-19.80	37.59	46.00	-8.41	QP			
3	361.7139	51.92	-15.91	36.01	46.00	-9.99	QP			

Job No.: star #4335

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Playing

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: AC 120V/60Hz

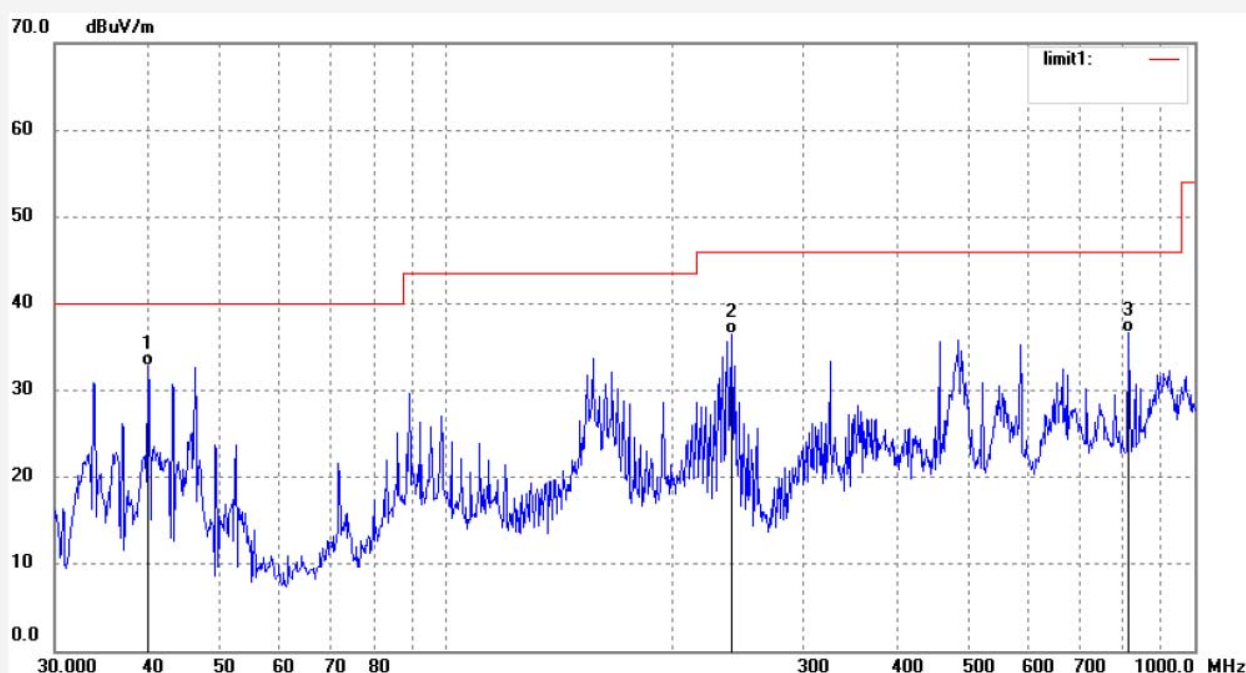
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Time: 9/48/46

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.9942	52.84	-20.10	32.74	40.00	-7.26	QP			
2	240.8304	56.31	-19.80	36.51	46.00	-9.49	QP			
3	815.9678	44.23	-7.50	36.73	46.00	-9.27	QP			



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Science & Industry Park,Nanshan Shenzhen,P.R.China

Report No.: ATE20132566

Page 29 of 56

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #4337

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Camera

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: AC 120V/60Hz

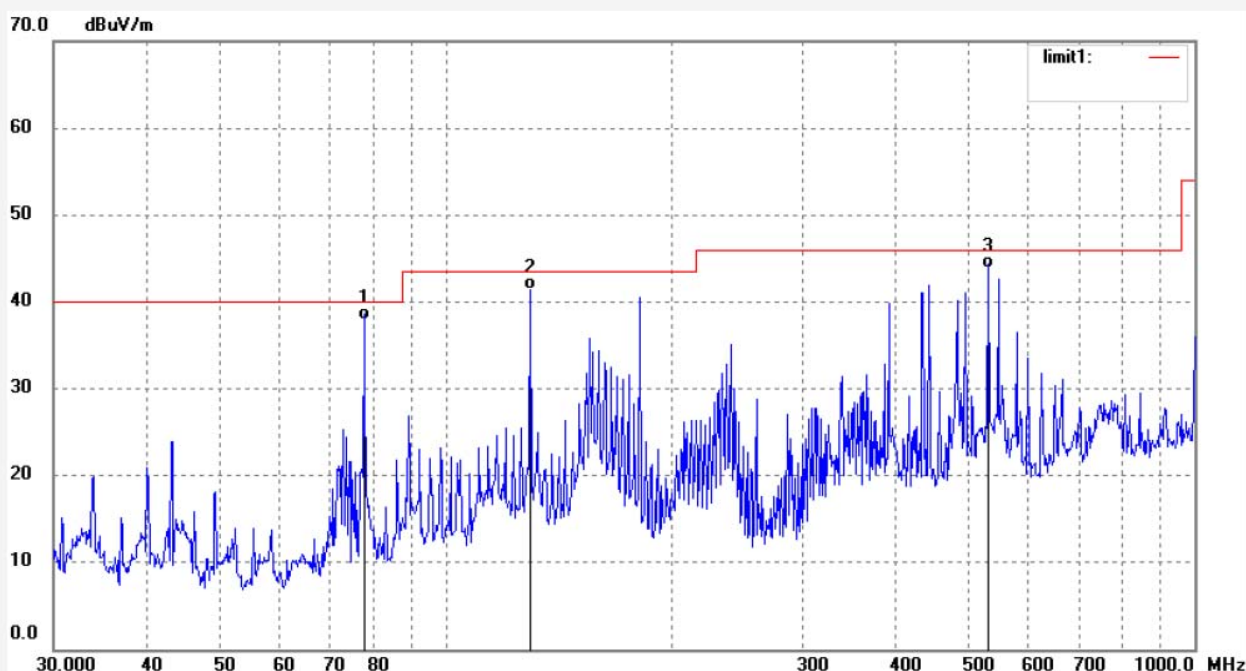
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Time: 9/54/34

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



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	59.40	-21.49	37.91	40.00	-2.09	QP			
2	129.9225	64.43	-23.03	41.40	43.50	-2.10	QP			
3	530.1014	57.10	-13.28	43.82	46.00	-2.18	QP			



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Science & Industry Park,Nanshan Shenzhen,P.R.China

Report No.: ATE20132566

Page 30 of 56

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #4338

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Camera

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: AC 120V/60Hz

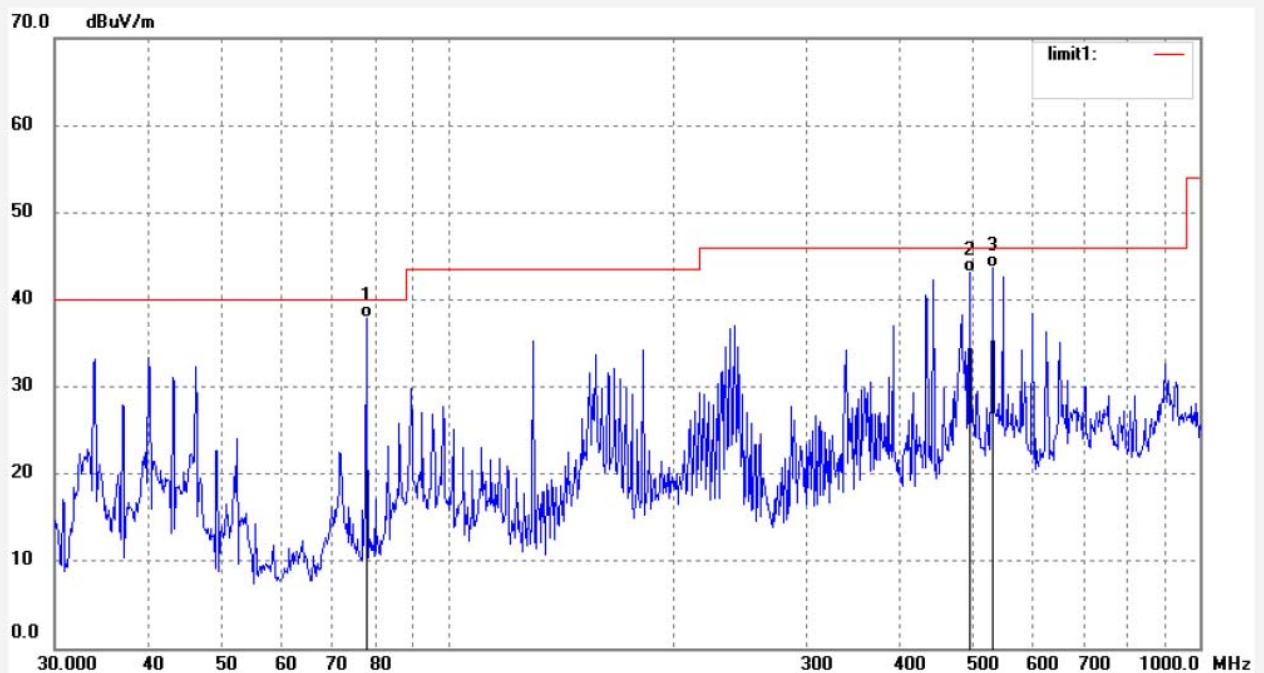
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Time: 9/55/29

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	77.8654	59.30	-21.49	37.81	40.00	-2.19	QP			
2	494.1984	57.22	-14.00	43.22	46.00	-2.78	QP			
3	530.1014	56.97	-13.28	43.69	46.00	-2.31	QP			

Job No.: star #4340

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Transfer data

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: DC 5V

Date: 14/01/15/

Time: 9/59/20

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	480.5276	56.14	-14.16	41.98	46.00	-4.02	QP			
2	665.8035	49.63	-10.35	39.28	46.00	-6.72	QP			
3	962.1623	46.47	-5.23	41.24	54.00	-12.76	QP			

Job No.: star #4339

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Transfer data

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: DC 5V

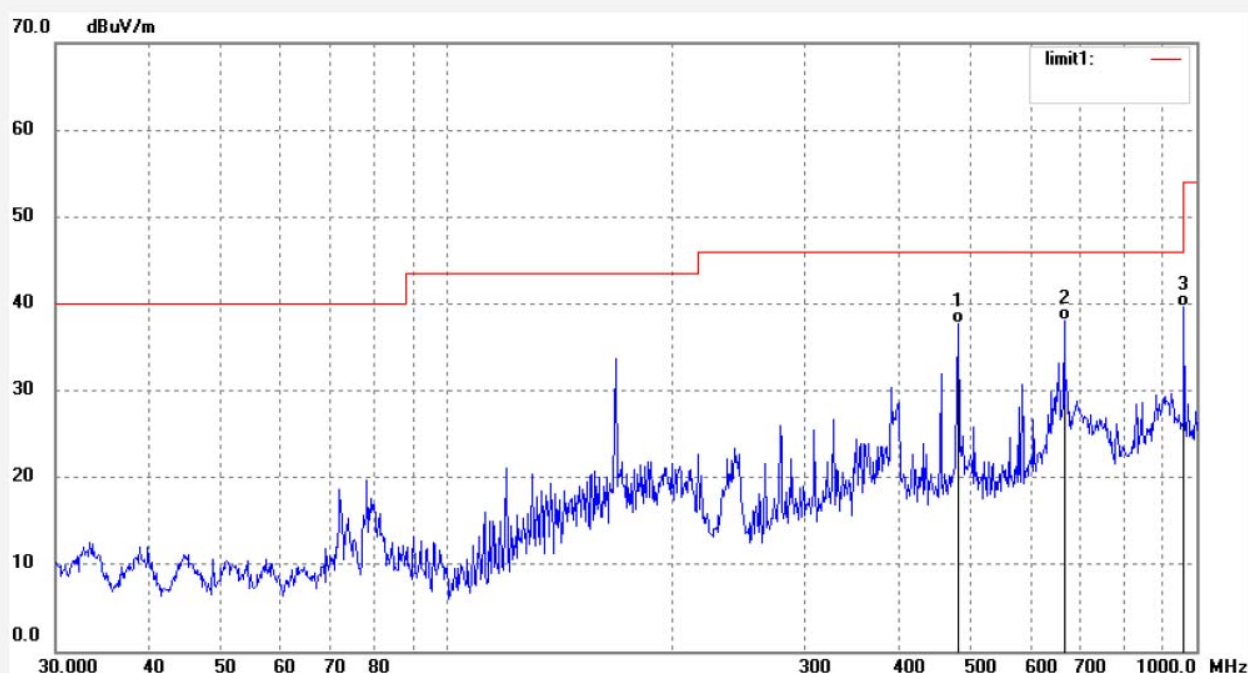
Date: 14/01/15/

Time: 9/58/02

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	480.5276	51.88	-14.16	37.72	46.00	-8.28	QP			
2	665.8035	48.42	-10.35	38.07	46.00	-7.93	QP			
3	962.1623	44.88	-5.23	39.65	54.00	-14.35	QP			



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Report No.: ATE20132566

Page 33 of 56

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #4333

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: HDMI

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: AC 120V/60Hz

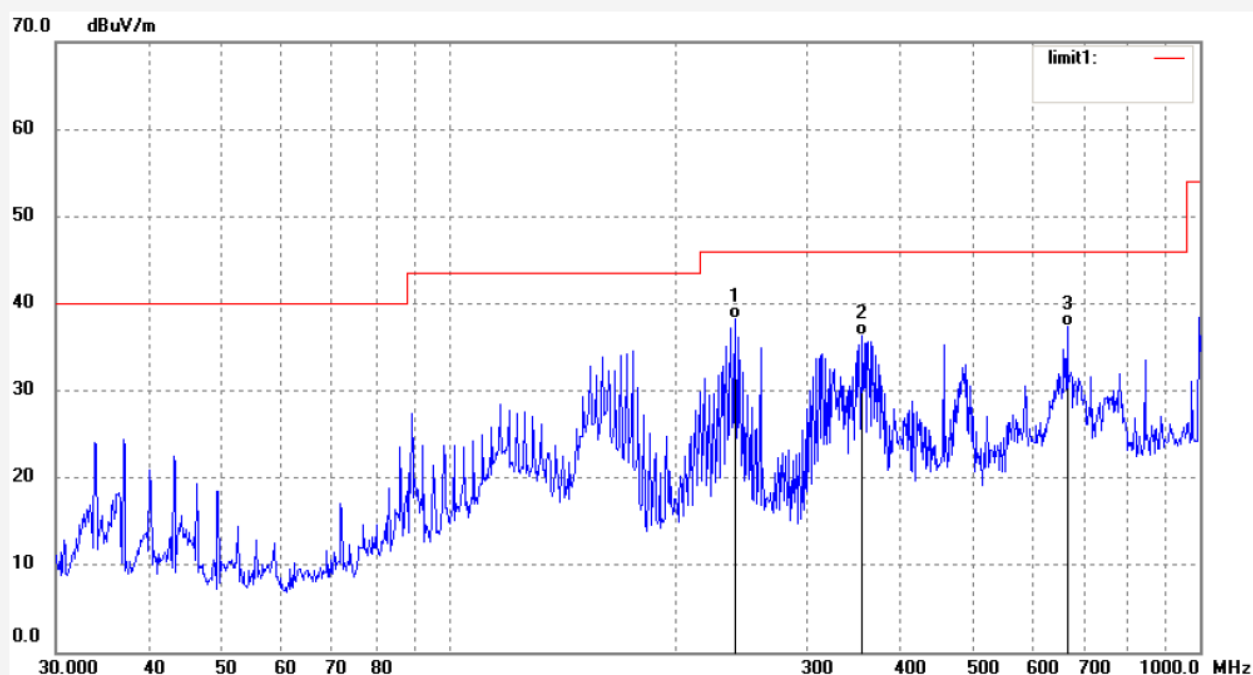
Date: 14/01/15/

Time: 9/43/00

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	240.8303	58.10	-19.80	38.30	46.00	-7.70	QP			
2	355.4273	52.34	-16.08	36.26	46.00	-9.74	QP			
3	665.8034	47.75	-10.35	37.40	46.00	-8.60	QP			



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Report No.: ATE20132566

Page 34 of 56

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #4334

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: HDMI

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: AC 120V/60Hz

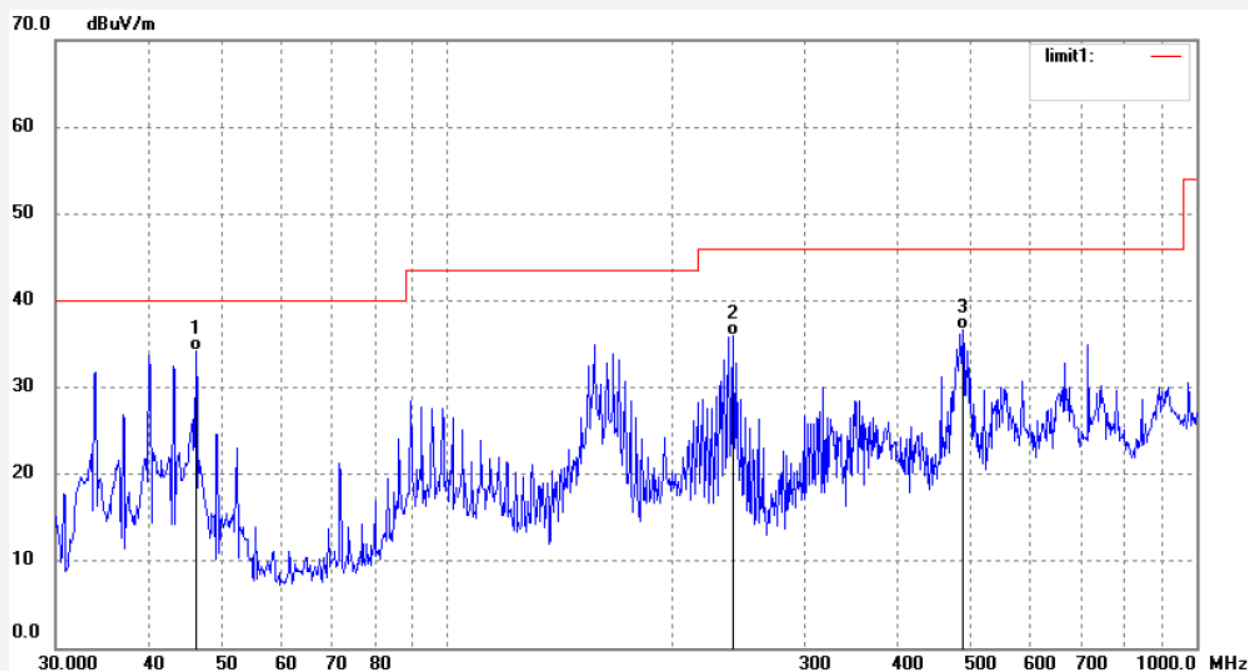
Date: 14/01/15/

Time: 9/44/14

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	46.1779	54.71	-20.46	34.25	40.00	-5.75	QP			
2	240.8304	55.83	-19.80	36.03	46.00	-9.97	QP			
3	487.3151	50.66	-14.08	36.58	46.00	-9.42	QP			

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

E-mail: webmaster@atc-lab.com

Http://www.atc-lab.com

Above 1G



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.: STAR #4197

Standard: FCC PK

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Playing

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: AC 120V/60Hz

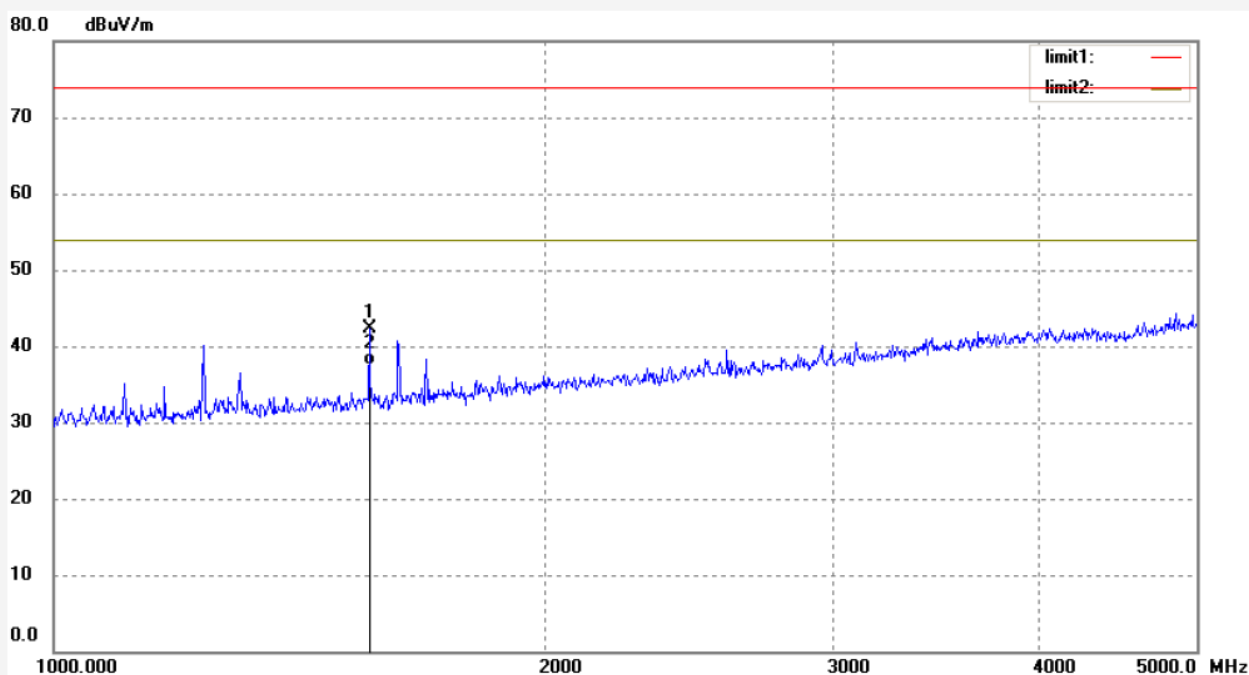
Date: 13/12/12/

Time: 11/08/26

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1559.250	51.70	-9.47	42.23	74.00	-31.77	peak			
2	1559.250	46.89	-9.47	37.42	54.00	-16.58	AVG			

Job No.: STAR #4196

Standard: FCC PK

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Playing

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: AC 120V/60Hz

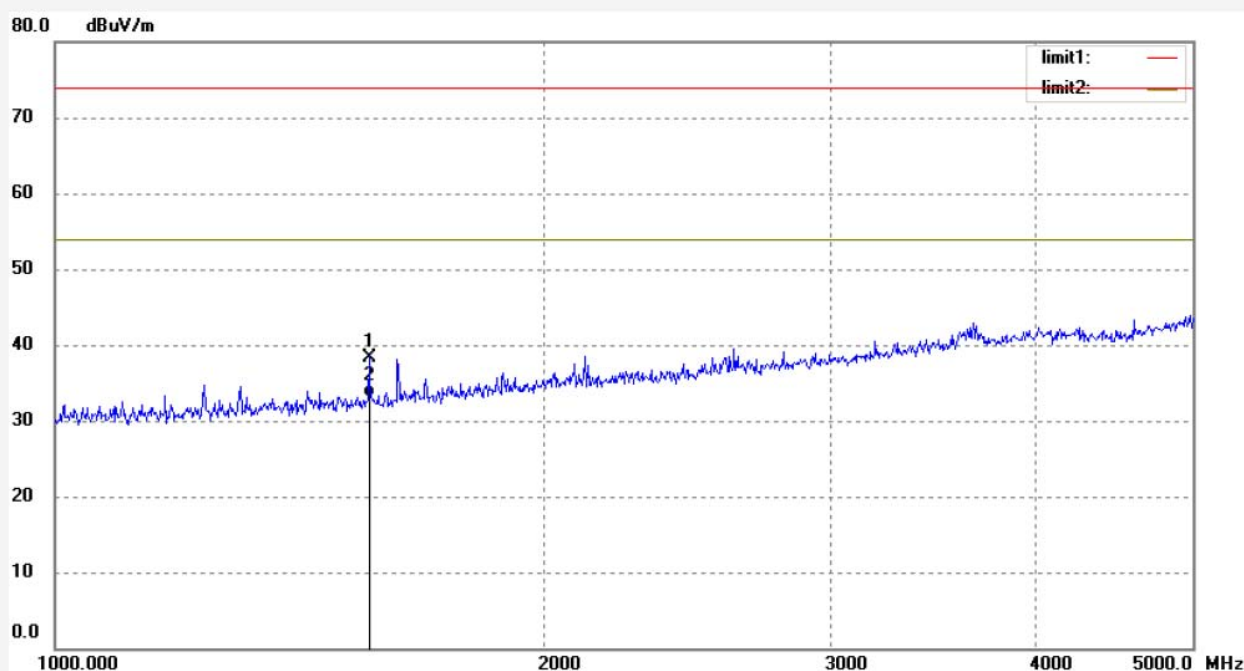
Date: 13/12/12/

Time: 11/07/14

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1559.250	47.87	-9.47	38.40	74.00	-35.60	peak			
2	1559.250	42.58	-9.47	33.11	54.00	-20.89	AVG			



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Report No.: ATE20132566

Page 37 of 56

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #4200

Standard: FCC PK

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: HDMI

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: AC 120V/60Hz

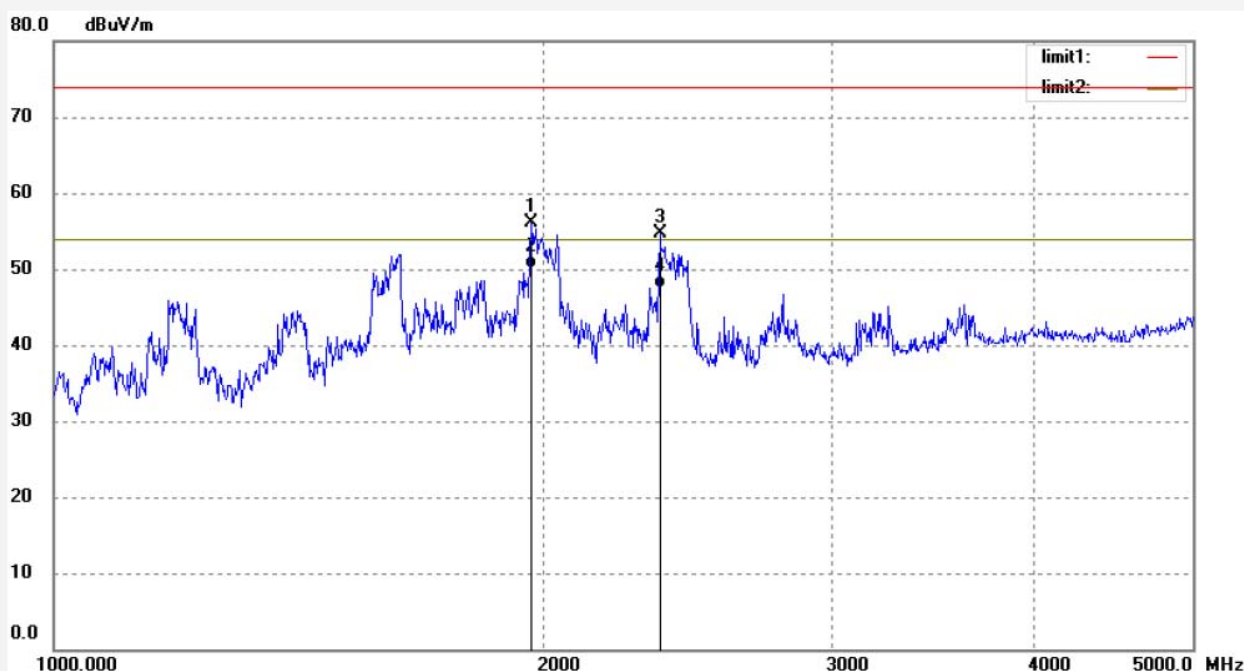
Date: 13/12/12/

Time: 11/13/34

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1962.765	64.10	-7.94	56.16	74.00	-17.84	peak			
2	1962.765	57.97	-7.94	50.03	54.00	-3.97	AVG			
3	2354.247	61.55	-6.88	54.67	74.00	-19.33	peak			
4	2354.247	54.36	-6.88	47.48	54.00	-6.52	AVG			



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Report No.: ATE20132566

Page 38 of 56

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #4199

Standard: FCC PK

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Camera

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: AC 120V/60Hz

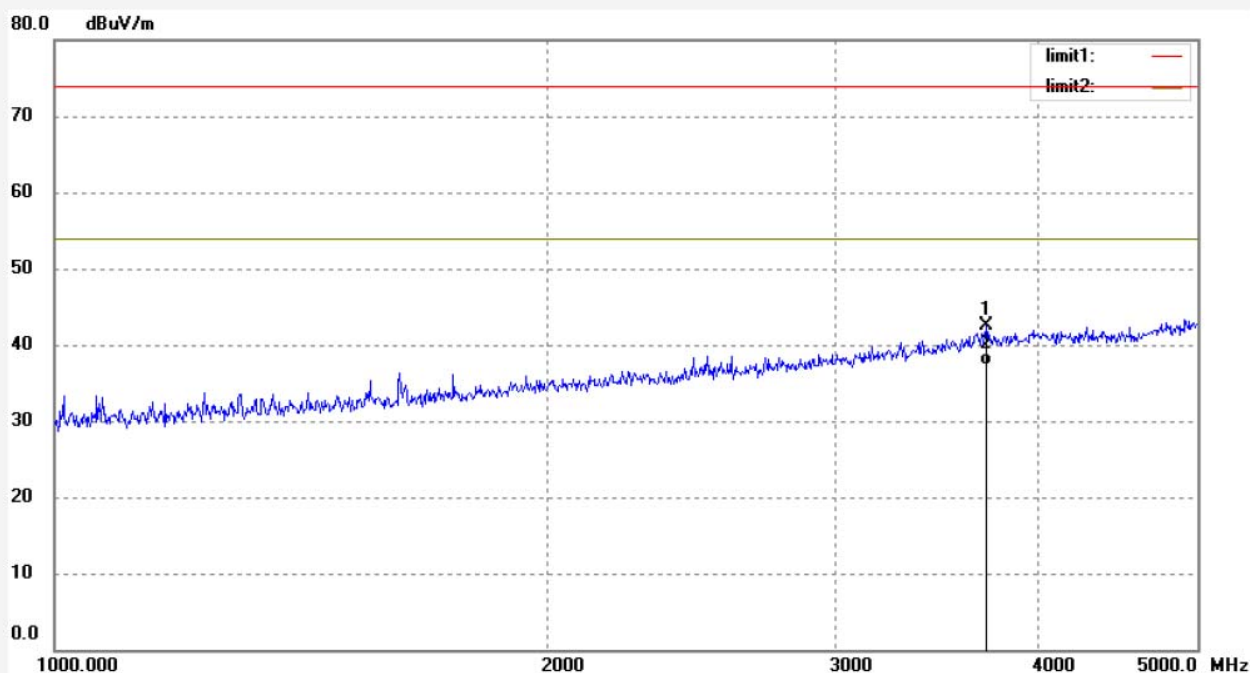
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Time: 11/10/12

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	3712.450	45.51	-2.92	42.59	74.00	-31.41	peak			
2	3712.450	40.20	-2.92	37.28	54.00	-16.72	AVG			



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Report No.: ATE20132566

Page 39 of 56

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #4203

Standard: FCC PK

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Transfer data

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: DC 5V

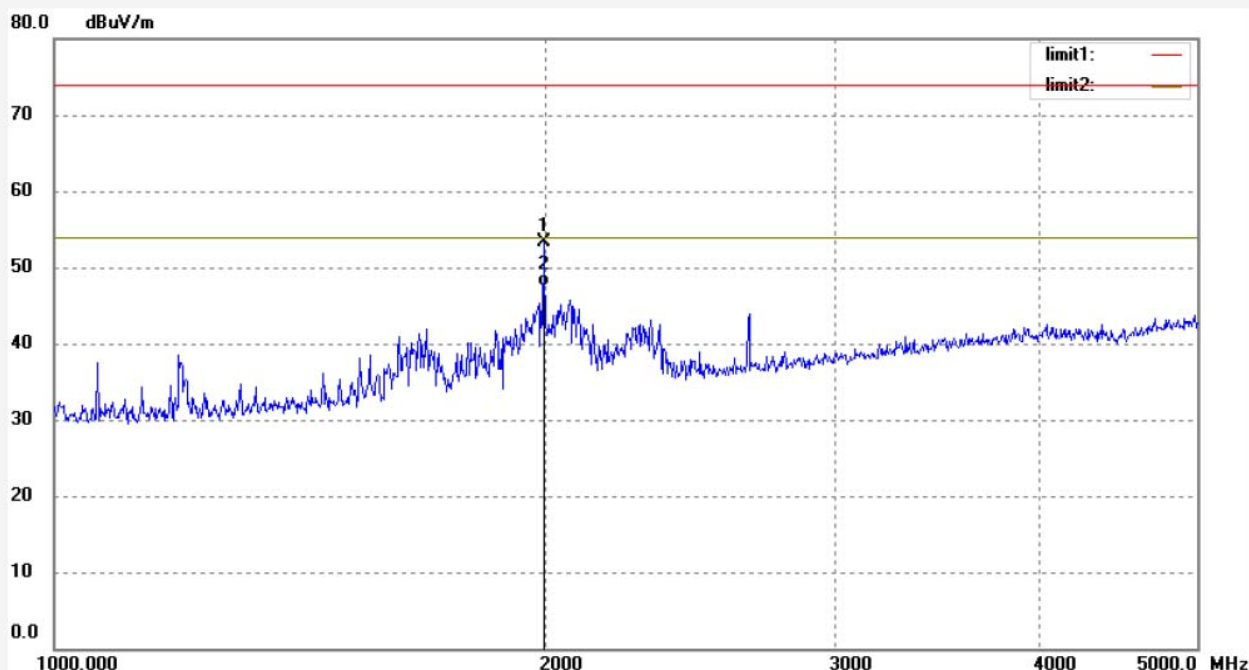
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Time: 11/19/47

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1991.403	61.17	-7.83	53.34	74.00	-20.66	peak			
2	1991.403	55.25	-7.83	47.42	54.00	-6.58	AVG			

Job No.: STAR #4202

Standard: FCC PK

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: Transfer data

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: DC 5V

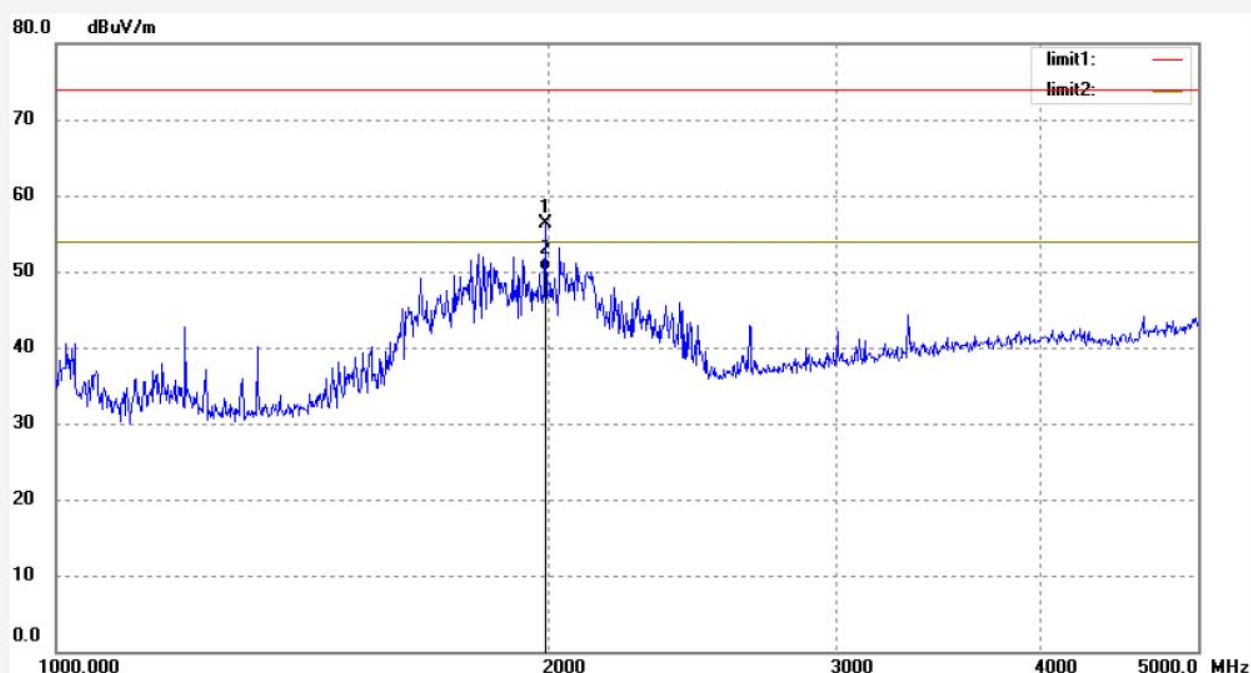
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Time: 11/18/44

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1991.403	64.20	-7.83	56.37	74.00	-17.63	peak			
2	1991.403	57.90	-7.83	50.07	54.00	-3.93	AVG			



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Report No.: ATE20132566

Page 41 of 56

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #4200

Standard: FCC PK

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: HDMI

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Horizontal

Power Source: AC 120V/60Hz

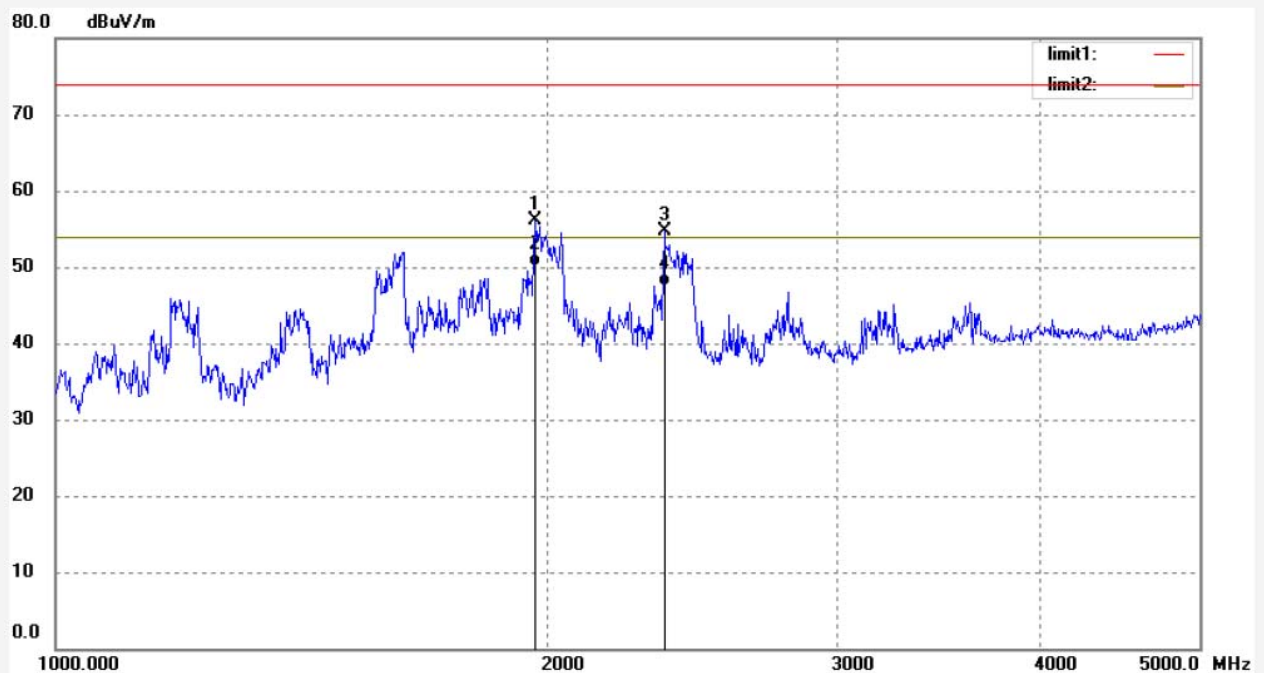
Date: 13/12/12/

Time: 11/13/34

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1962.765	64.10	-7.94	56.16	74.00	-17.84	peak			
2	1962.765	57.97	-7.94	50.03	54.00	-3.97	AVG			
3	2354.247	61.55	-6.88	54.67	74.00	-19.33	peak			
4	2354.247	54.36	-6.88	47.48	54.00	-6.52	AVG			

Job No.: STAR #4201

Standard: FCC PK

Test item: Radiation Test

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

EUT: Nummy 3G serials-AX1 SPEC

Mode: HDMI

Model: Nummy 3G

Manufacturer: AINOL

Polarization: Vertical

Power Source: AC 120V/60Hz

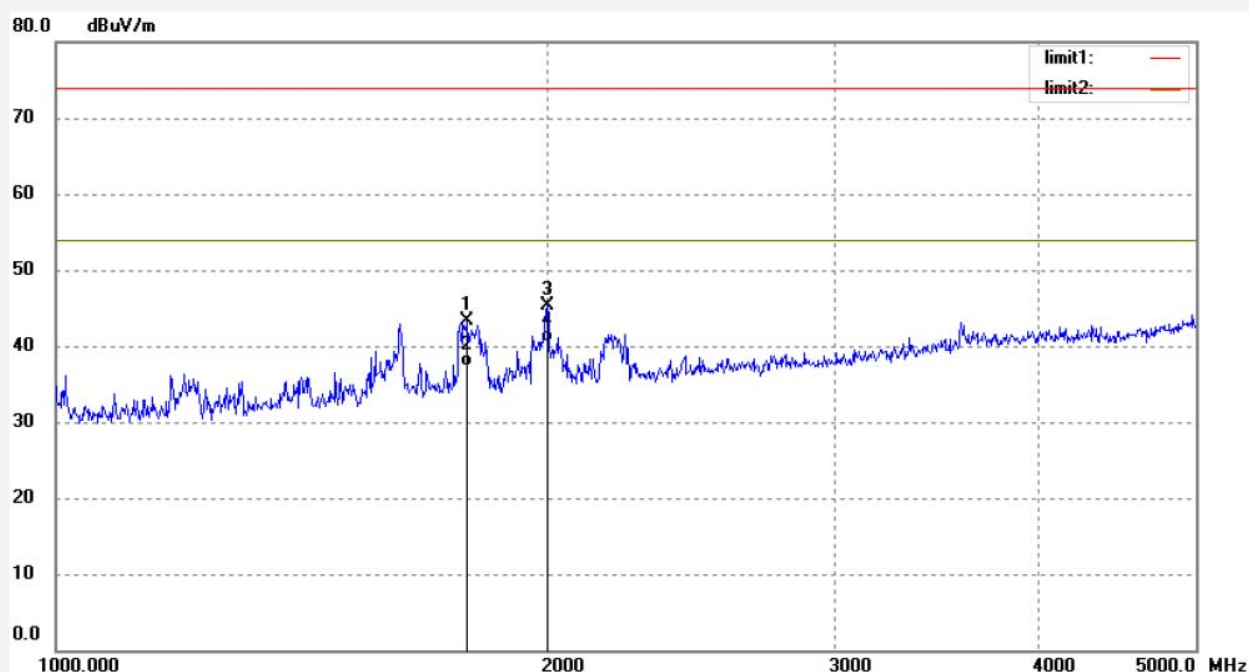
Date: 13/12/12/

Time: 11/14/30

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20132566

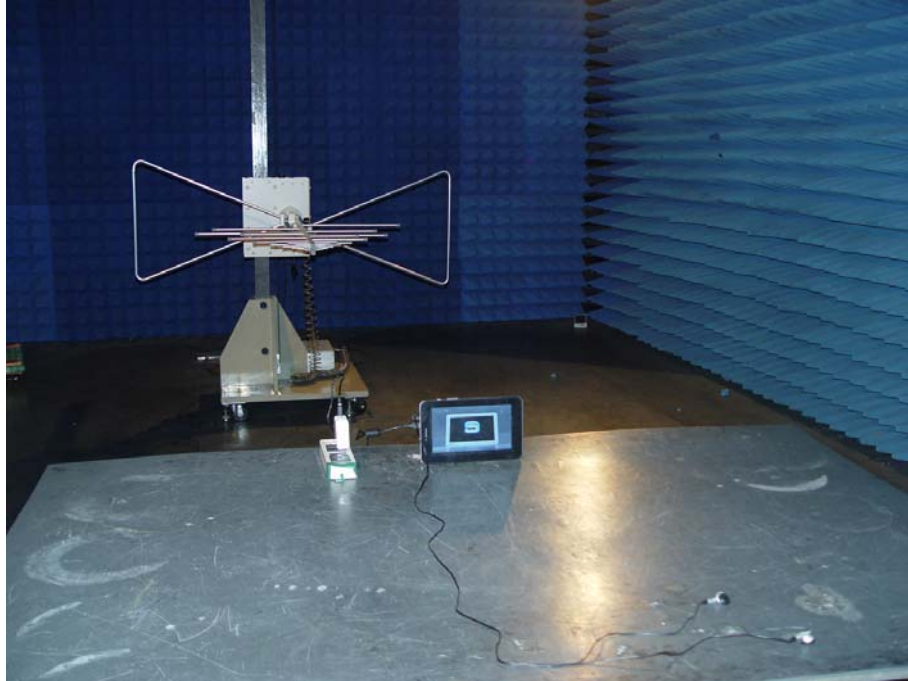


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1787.838	51.84	-8.60	43.24	74.00	-30.76	peak			
2	1787.838	45.97	-8.60	37.37	54.00	-16.63	AVG			
3	2001.041	53.02	-7.79	45.23	74.00	-28.77	peak			
4	2001.041	48.20	-7.79	40.41	54.00	-13.59	AVG			

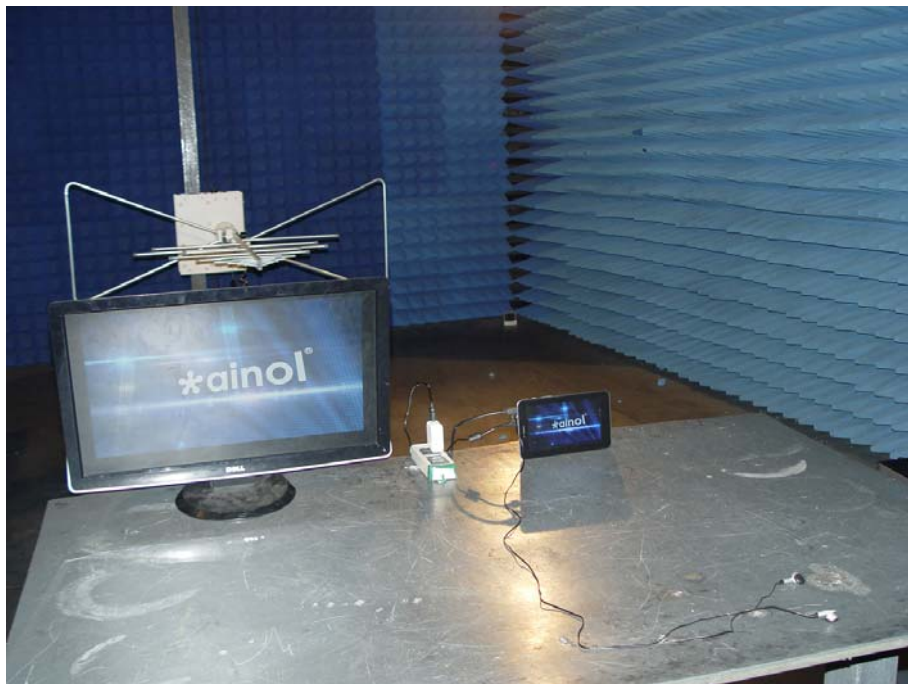
5. PHOTOGRAPHS

5.1.Photos of Radiated Measurement

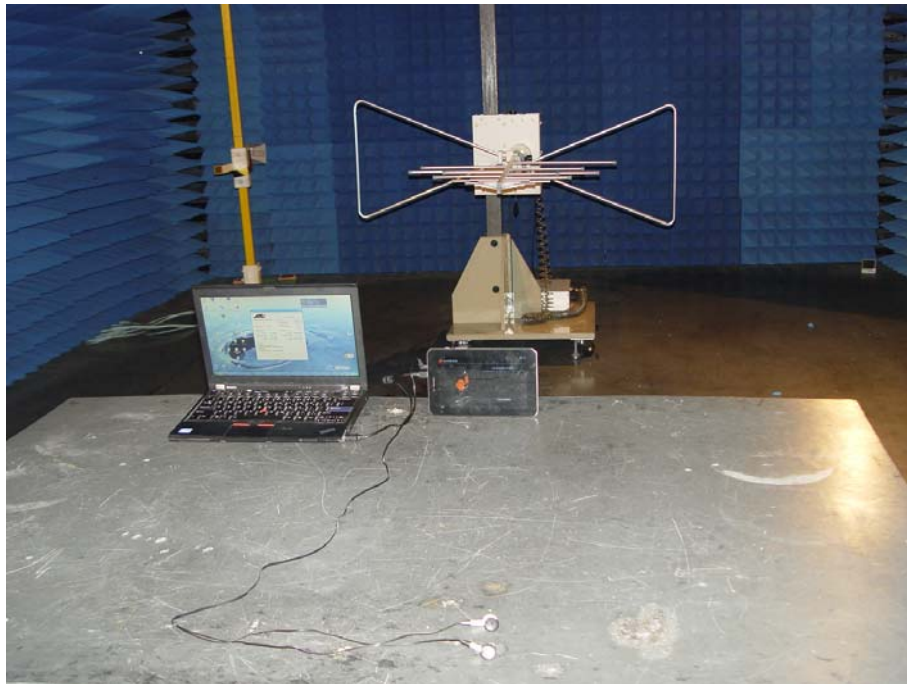
Playing mode(below 1GHz)



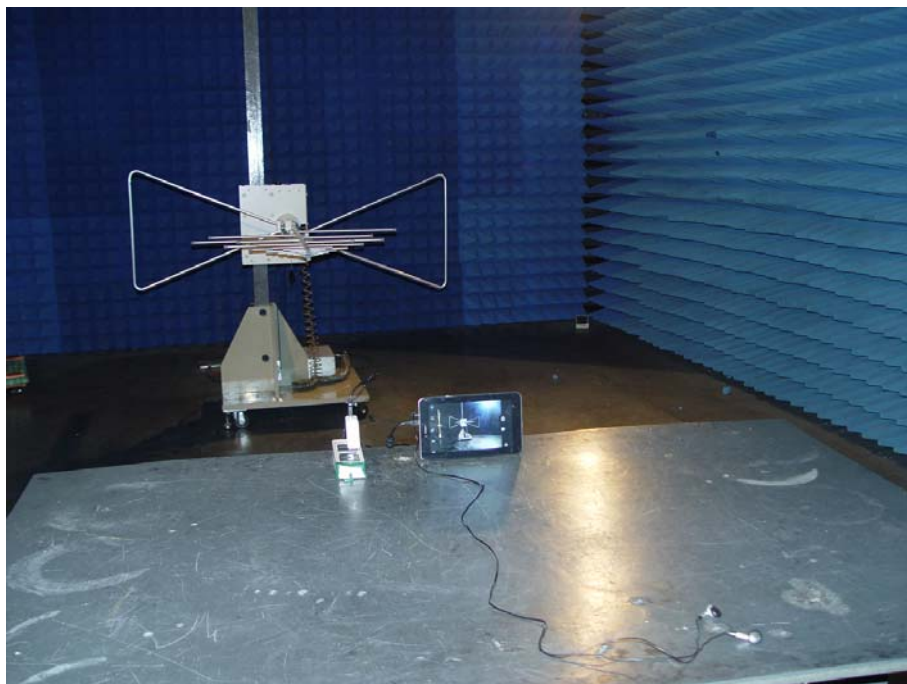
HDMI mode(below 1GHz)



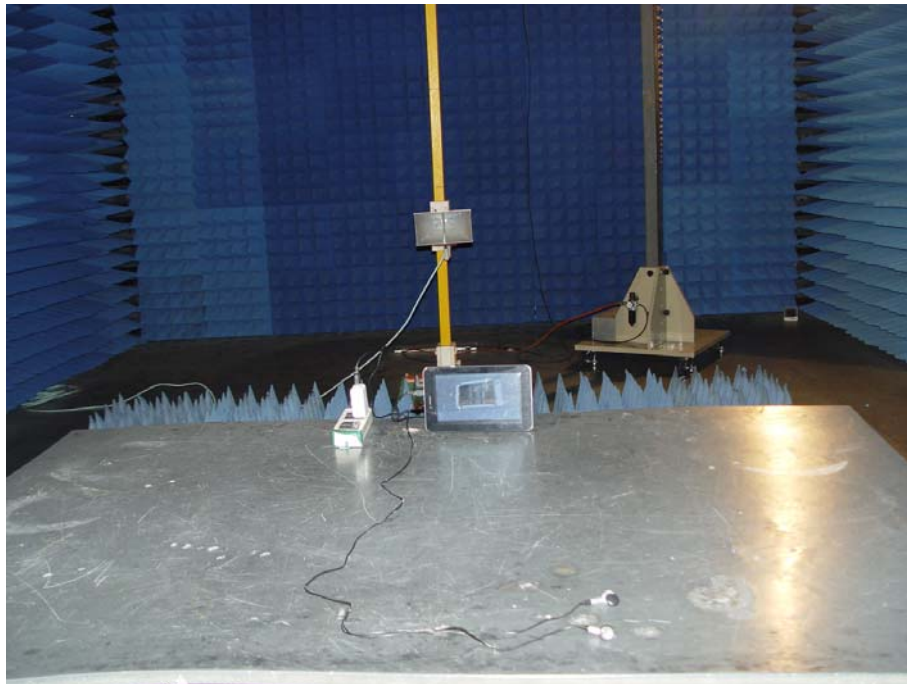
Transfer data mode(below 1GHz)



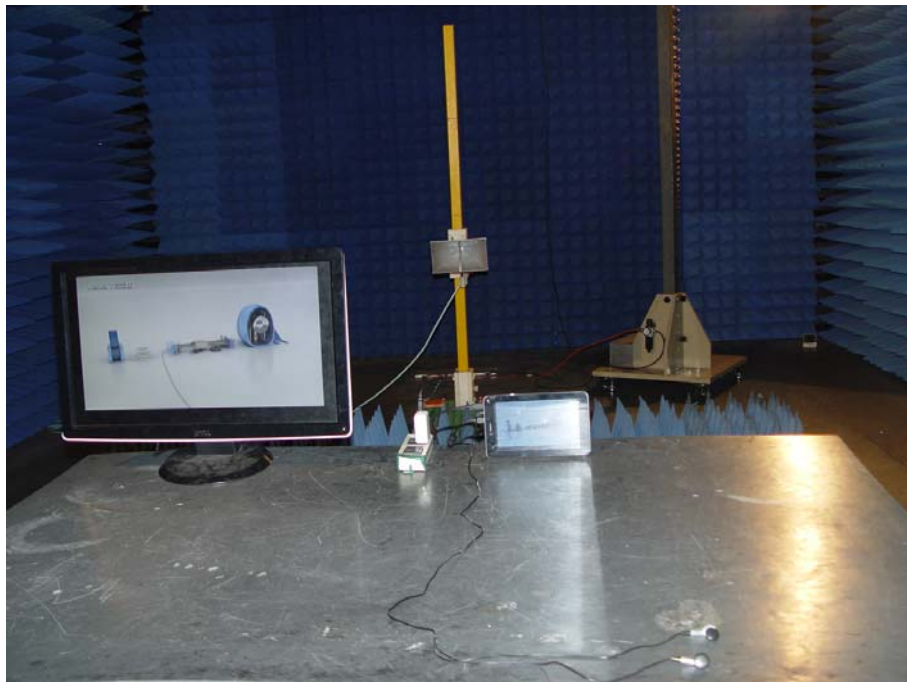
Camera mode(below 1GHz)



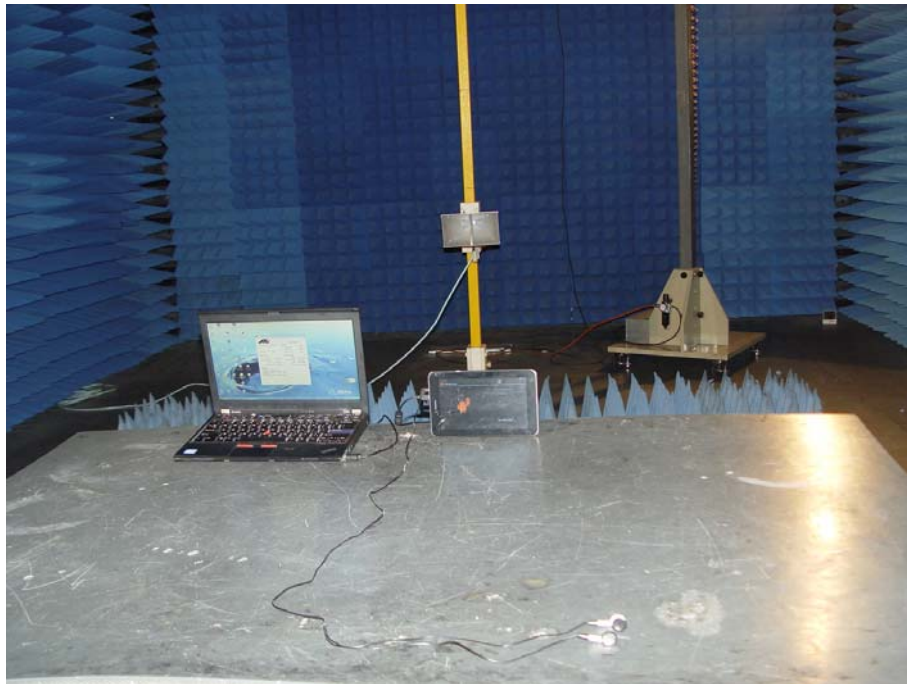
Playing mode(above 1GHz)



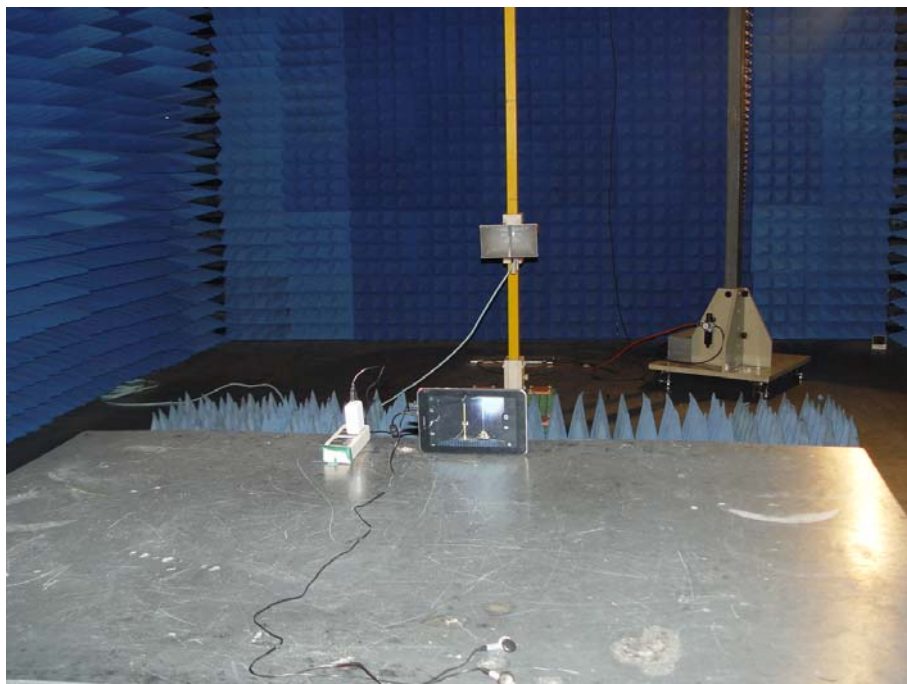
HDMI mode(above 1GHz)



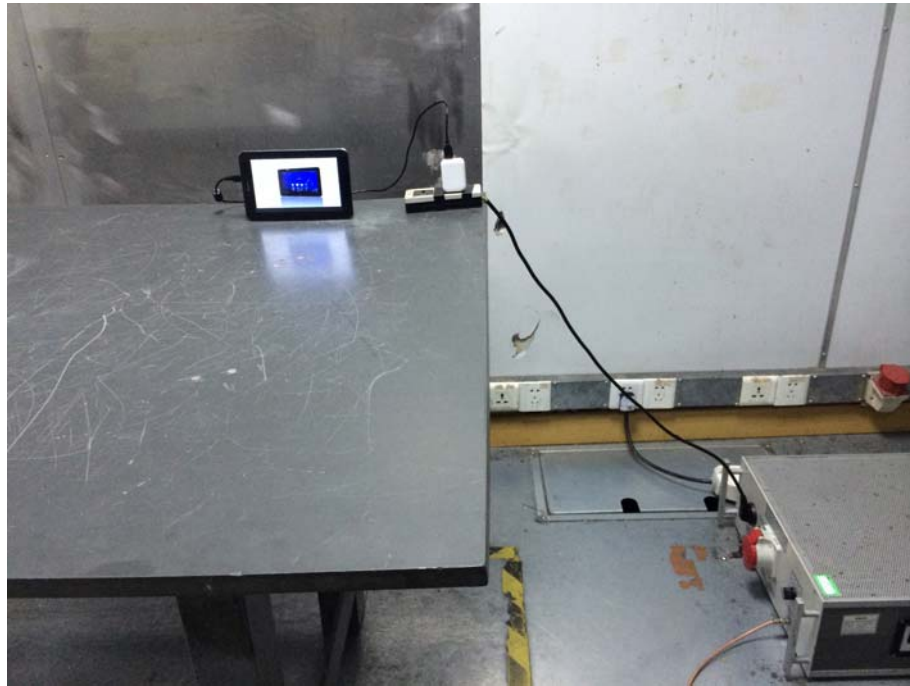
Transfer data mode(above 1GHz)



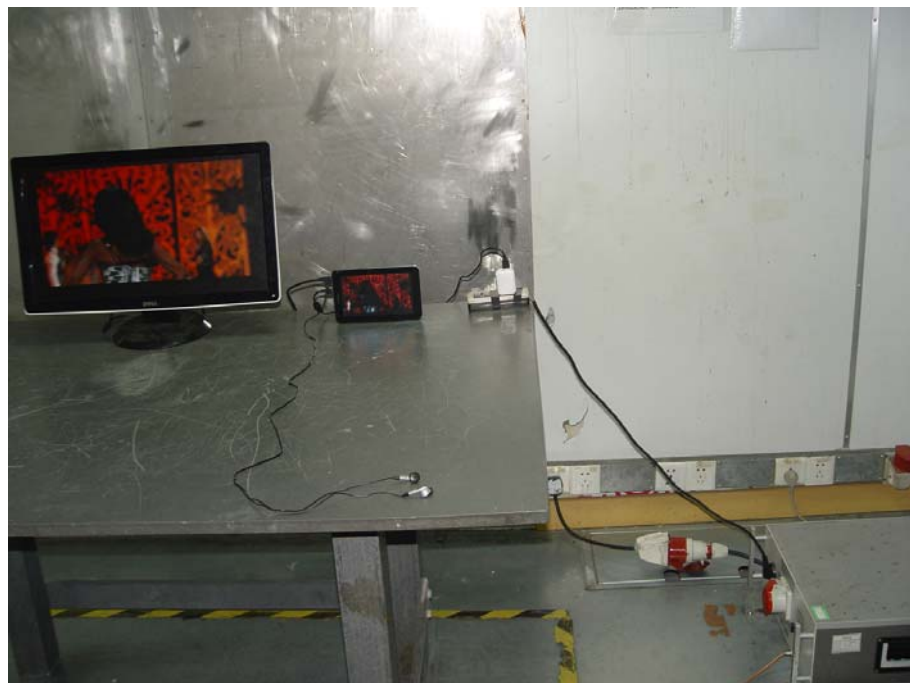
Camera mode(above 1GHz)



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



HDMI mode



Transfer data mode



Camera mode



5.3.Photos of EUT









