

Prüfbericht-Nr.: <i>Test Report No.:</i>	17040273 002	Auftrags-Nr.: <i>Order No.:</i>	164013498	Seite 1 von 36 <i>Page 1 of 36</i>				
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	29.04.2014					
Auftraggeber: <i>Client:</i>	Shenzhen Yifang Digital Technology Co., Ltd. Building NO.23, Fifth Region, Baiwangxin Industrial Park, Songbai Rd., Nanshan, Shenzhen, Guangdong 518108, China							
Prüfgegenstand: <i>Test item:</i>	MID							
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	NS-15AT07							
Auftrags-Inhalt: <i>Order content:</i>	FCC Certification IC Verification							
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 ICES-003 Issue 5 August 2012							
Wareneingangsdatum: <i>Date of receipt:</i>	15.05.2014							
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000055953-006							
Prüfzeitraum: <i>Testing period:</i>	17.05.2014 - 24.05.2014							
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.							
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.							
Prüfergebnis*: <i>Test result*:</i>	Pass							
geprüft von / tested by: 		kontrolliert von / reviewed by: 						
12.06.2014	Tom Wang/Assistant Project Manager	12.06.2014	Sam Lin/Technical Certifier					
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>				
				Unterschrift <i>Signature</i>				
Sonstiges / Other: This test report is for evaluation on the "Digital Device" function of the test item.								
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>						
<table border="0" style="width: 100%;"> <tr> <td>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft</td> </tr> <tr> <td>P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</td> </tr> <tr> <td>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor</td> </tr> <tr> <td>P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</td> </tr> </table>					* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft	P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet	Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor	P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested
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P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested								
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>								

TEST SUMMARY

5.1.1 CONDUCTED EMISSIONS

RESULT: Pass

5.2.1 RADIATED EMISSION

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)

(Test site Industry Canada No.: 5077A-2)

F1, Bldg. A, Changyuan New Material Port
Keyuan Rd., Science & Industry Park, Nanshan
Shenzhen, P.R. China

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2015-01-11
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2015-01-11
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015-01-11
Radiated Emission				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Suhner	N-3m	No.8	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Resenberger	N-3.5m	No.9	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Suhner	N-6m	No.10	2015-01-11
RF Coaxial Cable (966 Chamber) (for above 1GHz test)	Resenberger	N-12m	No.11	2015-01-11
RF Coaxial Cable (966 Chamber) (for above 1GHz test)	Resenberger	N-0.5m	No.12	2015-01-11

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO/IEC 17025 are:

Table 2: Measurement Uncertainty

Items		Extended Uncertainty
Conducted Emission (0.15-30MHz)	Disturbance Voltage (dBuV)	$U=\pm 2.23\text{dB}$, $k=2$, $\sigma=95\%$
Radiated Emission (30-1000MHz)	Field strength (dBuV/m)	$U=\pm 4.42\text{dB}$, $k=2$, $\sigma=95\%$
Radiated Emission (1-25GHz)	Field strength (dBuV/m)	$U=\pm 4.06\text{dB}$, $k=2$, $\sigma=95\%$

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

2.8 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

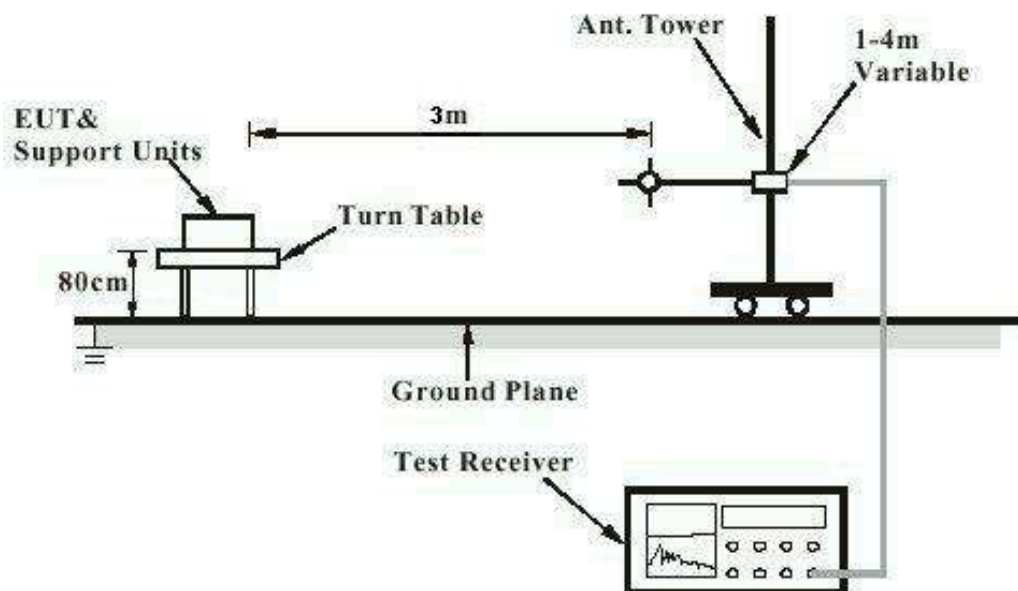
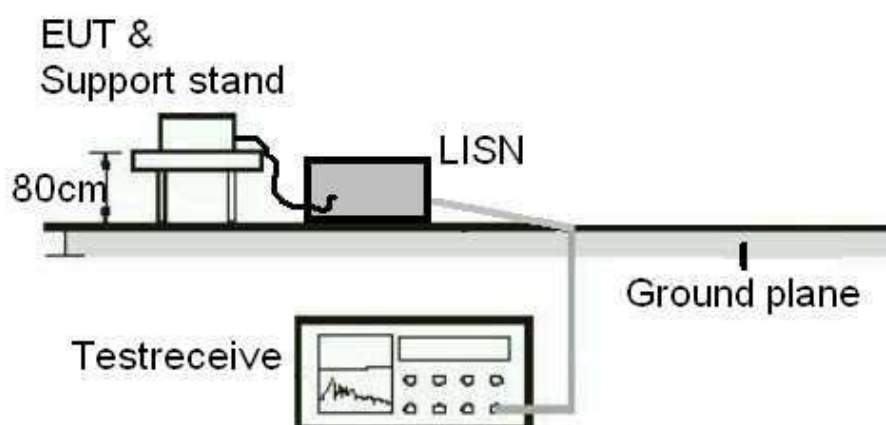


Diagram of Measurement Equipment Configuration for Conduction Measurement



3. General Product Information

3.1 Product Function and Intended Use

The EUT is 7" tablet with Wi-Fi & Bluetooth function.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	MID
Type Designation	NS-15AT07
FCC ID	S7JNS15AT07
IC	8082A-NS15AT07
Extreme Temperature Range	-30~+75°C
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Recording mode
 - 2. Playing mode
- B. Charging
- C. Standby
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- Constructional Drawing
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2003.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	S/N	Rating
AC/DC Adapter	Shenzhen Huoniu Technology Co., Ltd.	HNEA050150UU	N/A	Input: AC 100-240V, 50/60Hz, 0.35A Output: DC 5V, 1.5A

The EUT was tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains of adapter	2 cores, non-shielded port, 3m	AC Power Input
Micro USB port	4 cores, non-shielded port, 3m	DC Power Input
Earphone port	2 cores, non-shielded port, 3m	Audio Output
Microphone	2 cores, non-shielded port, 3m	Audio Input
Micro SD card slot	---	---

4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Conducted emissions

RESULT:**Pass**

Date of testing	:	2014-05-24
Test standard	:	FCC Part 15.107 (a) ICES-003 Issue 5 August 2012
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a) ICES-003 Issue 5 August 2012
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A+B,
Earthing	:	Not Connected
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

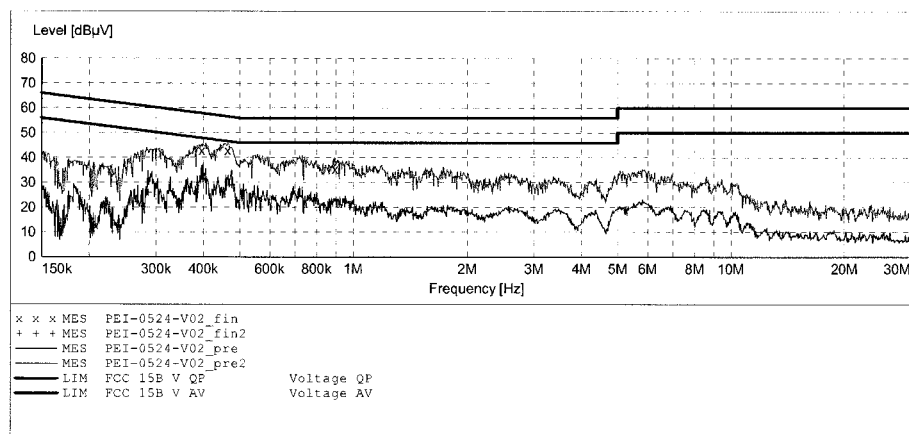
For details refer to following test plot.

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

EUT: MID M/N:NS-15AT07
 Manufacturer: Yifang
 Operating Condition: Recording video
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 Start of Test: 5/24/2014 / 5:33:59PM

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: "PEI-0524-V02_fin"

5/24/2014 5:41PM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.395716	42.90	10.7	58	15.0	QP	L1	GND
0.464229	42.90	10.7	57	13.7	QP	L1	GND
0.893431	35.40	10.8	56	20.6	QP	L1	GND

MEASUREMENT RESULT: "PEI-0524-V02_fin2"

5/24/2014 5:41PM

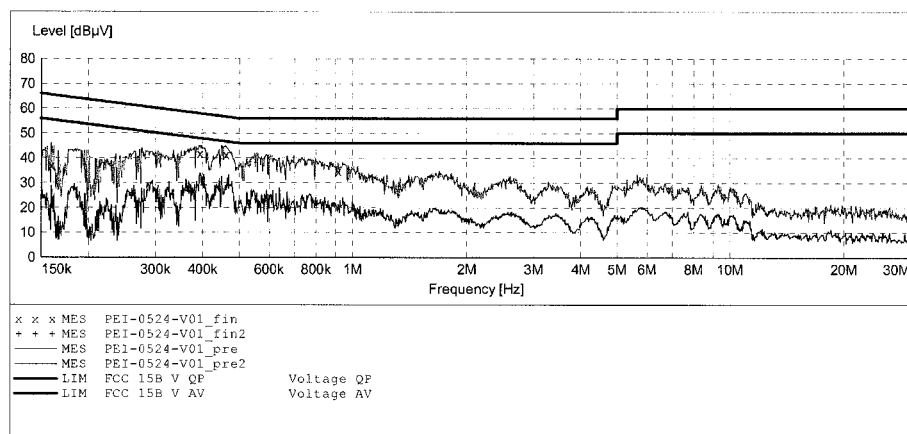
Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.285246	25.80	10.6	51	24.9	AV	L1	GND
0.398888	31.20	10.7	48	16.7	AV	L1	GND
0.475482	28.90	10.7	46	17.5	AV	L1	GND

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

EUT: MID M/N:NS-15AT07
 Manufacturer: Yifang
 Operating Condition: Recording video
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 Start of Test: 5/24/2014 / 5:24:22PM

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: "PEI-0524-V01_fin"

5/24/2014 5:32PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.159256	36.90	10.5	66	28.6	QP	N	GND
0.392569	41.80	10.7	58	16.2	QP	N	GND
0.460537	41.30	10.7	57	15.4	QP	N	GND
0.915089	34.60	10.8	56	21.4	QP	N	GND

MEASUREMENT RESULT: "PEI-0524-V01_fin2"

5/24/2014 5:32PM

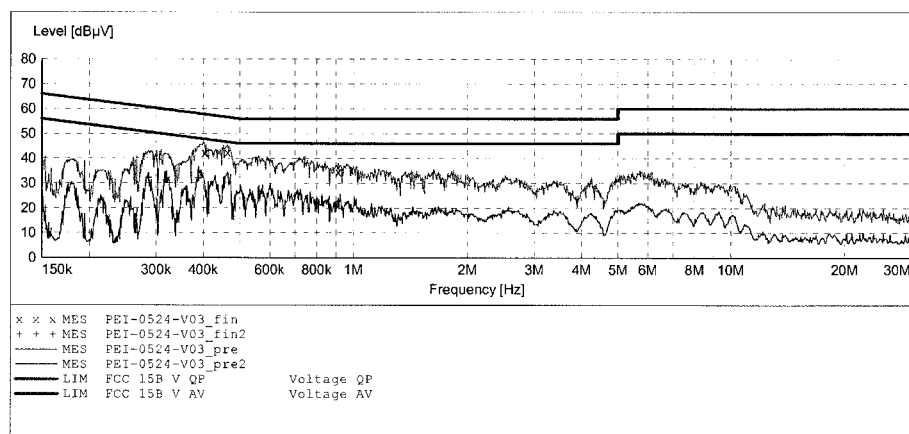
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.366811	26.60	10.7	49	22.0	AV	N	GND
0.402085	29.00	10.7	48	18.8	AV	N	GND
0.467950	28.70	10.7	47	17.9	AV	N	GND

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

EUT: MID M/N:NS-15AT07
 Manufacturer: Yifang
 Operating Condition: Playing video
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 Start of Test: 5/24/2014 / 5:42:15PM

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: "PEI-0524-V03_fin"

5/24/2014 5:50PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.403694	42.30	10.7	58	15.5	QP	L1	GND
0.464229	42.40	10.7	57	14.2	QP	L1	GND
0.911443	34.60	10.8	56	21.4	QP	L1	GND

MEASUREMENT RESULT: "PEI-0524-V03_fin2"

5/24/2014 5:50PM

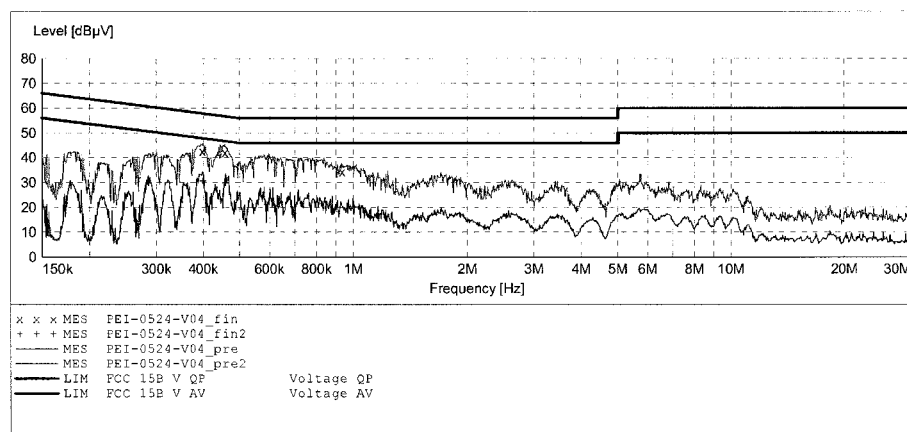
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.286387	32.10	10.6	51	18.5	AV	L1	GND
0.318980	31.10	10.6	50	18.6	AV	L1	GND
0.387896	32.00	10.7	48	16.1	AV	L1	GND

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

EUT: MID M/N:NS-15AT07
 Manufacturer: Yifang
 Operating Condition: Playing video
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 Start of Test: 5/24/2014 / 5:51:06PM

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: "PEI-0524-V04_fin"

5/24/2014 6:00PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.397299	42.60	10.7	58	15.3	QP	N	GND
0.456875	42.10	10.7	57	14.6	QP	N	GND
0.933537	34.40	10.8	56	21.6	QP	N	GND

MEASUREMENT RESULT: "PEI-0524-V04_fin2"

5/24/2014 6:00PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.285246	29.80	10.6	51	20.9	AV	N	GND
0.398888	30.60	10.7	48	17.3	AV	N	GND
0.458702	29.80	10.7	47	16.9	AV	N	GND

5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated Emission

RESULT:**Pass**

Date of testing	:	2014-05-24
Test standard	:	FCC Part 15.109 (a) ICES-003 Issue 5 August 2012
Test procedure	:	ANSI C63.4: 2003
Frequency range	:	30 - 25000MHz
Equipment Classification	:	Class B
Limits	:	FCC Part 15.109(a) ICES-003 Issue 5 August 2012
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation mode	:	A+B
Earthing	:	Not connected
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1645

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Recording video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

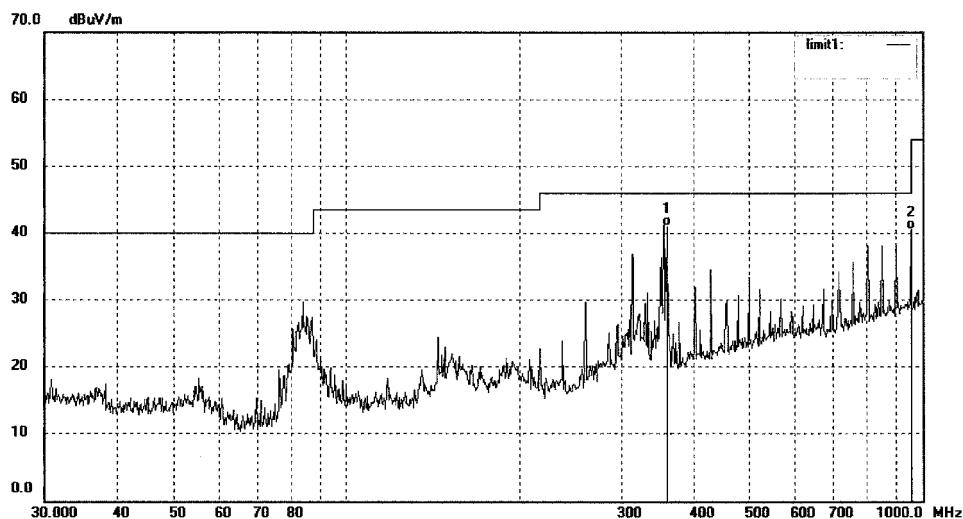
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: Back Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	360.0494	48.61	-7.61	41.00	46.00	-5.00	QP			
2	960.1020	38.08	2.37	40.45	54.00	-13.55	QP			


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1646

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Recording video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

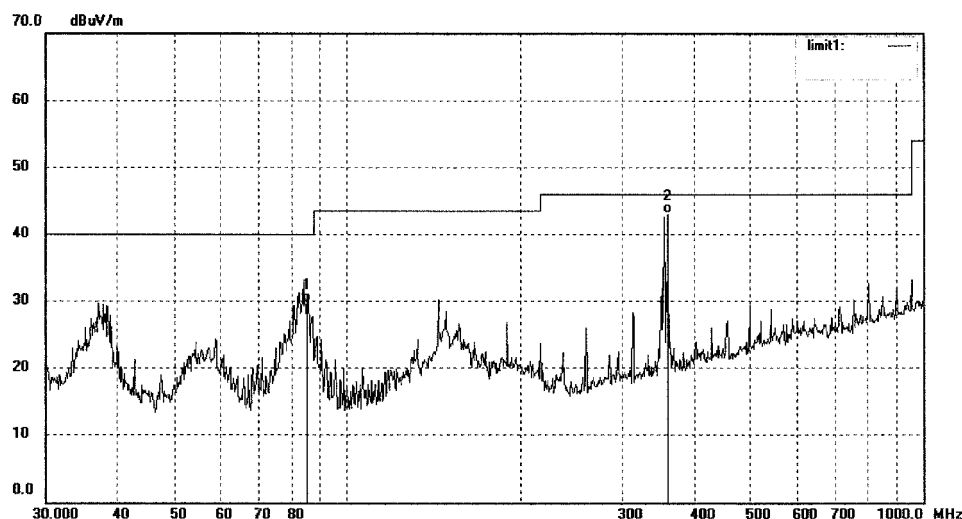
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: Back Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	85.3655	45.17	-15.37	29.80	40.00	-10.20	QP			
2	360.0184	50.81	-7.61	43.20	46.00	-2.80	QP			


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #1654

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Recording video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

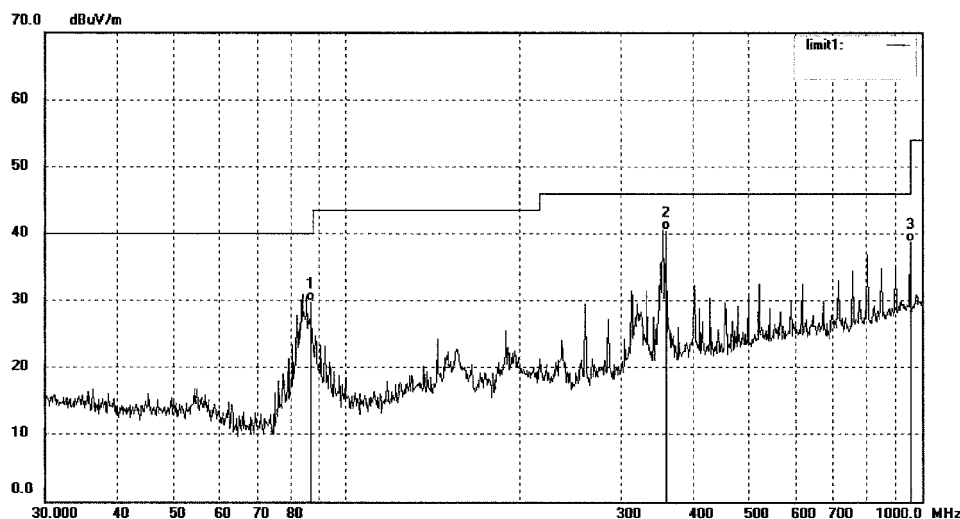
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: Front Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.8431	45.09	-15.27	29.82	40.00	-10.18	QP			
2	360.0088	48.14	-7.61	40.53	46.00	-5.47	QP			
3	960.1088	36.32	2.37	38.69	54.00	-15.31	QP			


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #1647

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Recording video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

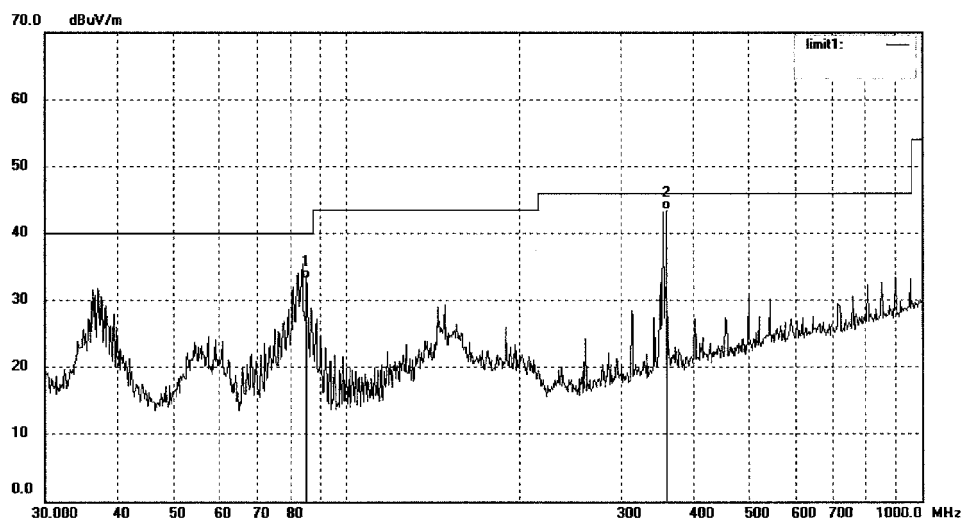
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note: Front Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	85.3830	48.57	-15.37	33.20	40.00	-6.80	QP			
2	360.0326	51.11	-7.61	43.50	46.00	-2.50	QP			


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Job No.: PHY #1649

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/17/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

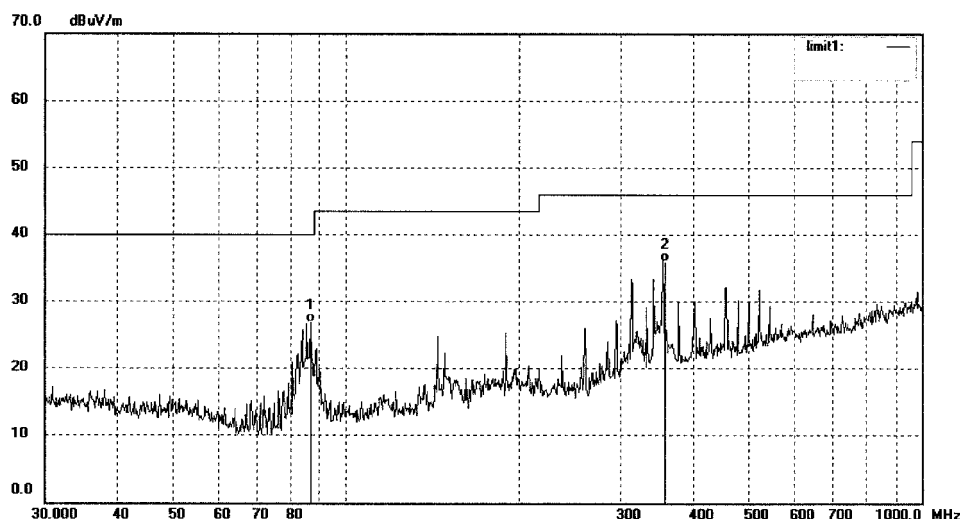
Mode: Playing video

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.8599	42.05	-15.27	26.78	40.00	-13.22	QP			
2	360.0631	43.61	-7.61	36.00	46.00	-10.00	QP			


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Job No.: PHY #1648

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Playing video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

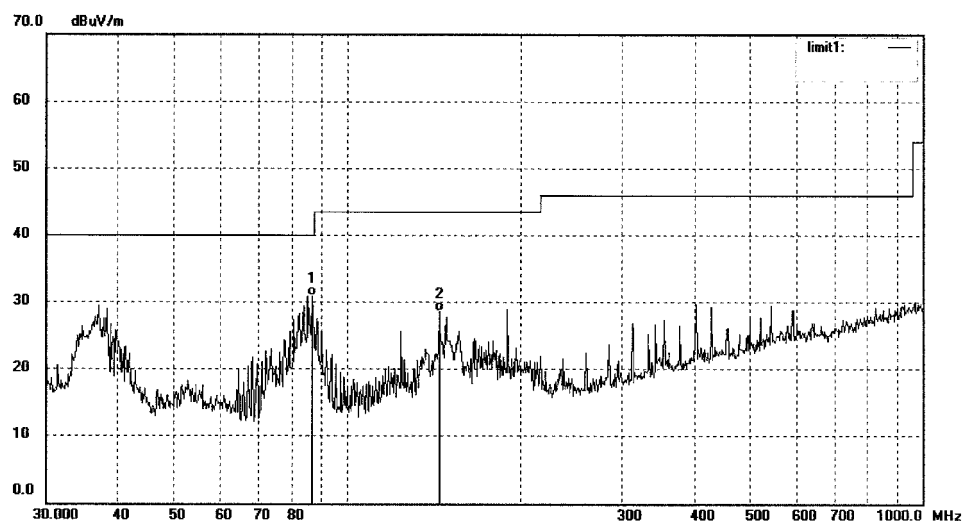
Date: 14/05/17/

Time:

Engineer Signature: PEI

Distance:

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.9080	46.24	-15.27	30.97	40.00	-9.03	QP			
2	144.0163	43.91	-15.23	28.68	43.50	-14.82	QP			


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Job No.: PHY #1848

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/24/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

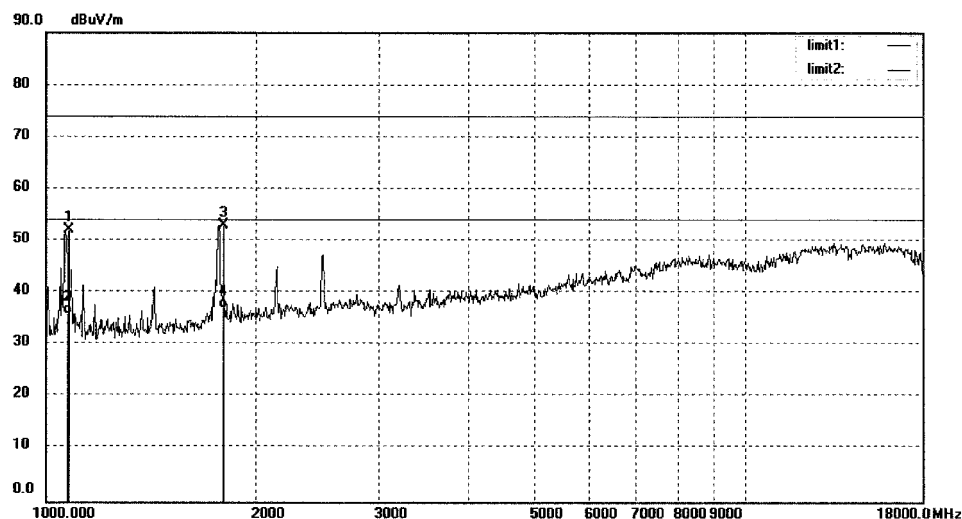
Mode: Recording video

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Back Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1080.553	64.75	-12.64	52.11	74.00	-21.89	peak			
2	1080.553	48.48	-12.64	35.84	54.00	-18.16	AVG			
3	1799.440	62.99	-10.04	52.95	74.00	-21.05	peak			
4	1799.440	47.04	-10.04	37.00	54.00	-17.00	AVG			


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Job No.: PHY #1849

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Recording video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

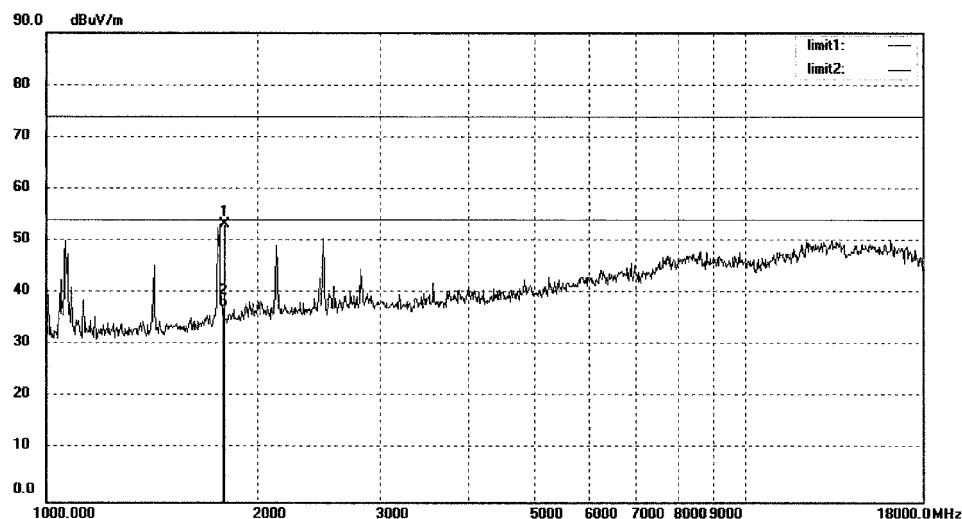
Date: 14/05/24/

Time:

Engineer Signature: PEI

Distance:

Note: Back Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1801.006	63.29	-10.04	53.25	74.00	-20.75	peak			
2	1801.006	47.33	-10.04	37.29	54.00	-16.71	AVG			


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Job No.: PHY #1847

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/24/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

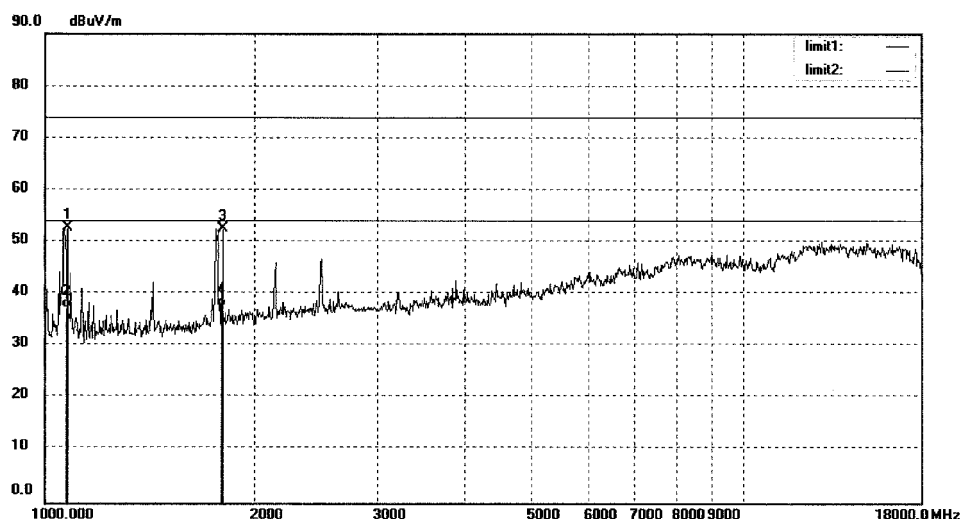
Mode: Recording video

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Front Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1080.086	65.47	-12.64	52.83	74.00	-21.17	peak			
2	1080.086	49.87	-12.64	37.23	54.00	-16.77	AVG			
3	1801.205	62.58	-10.04	52.54	74.00	-21.46	peak			
4	1801.205	47.58	-10.04	37.54	54.00	-16.46	AVG			


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Job No.: PHY #1846

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/24/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

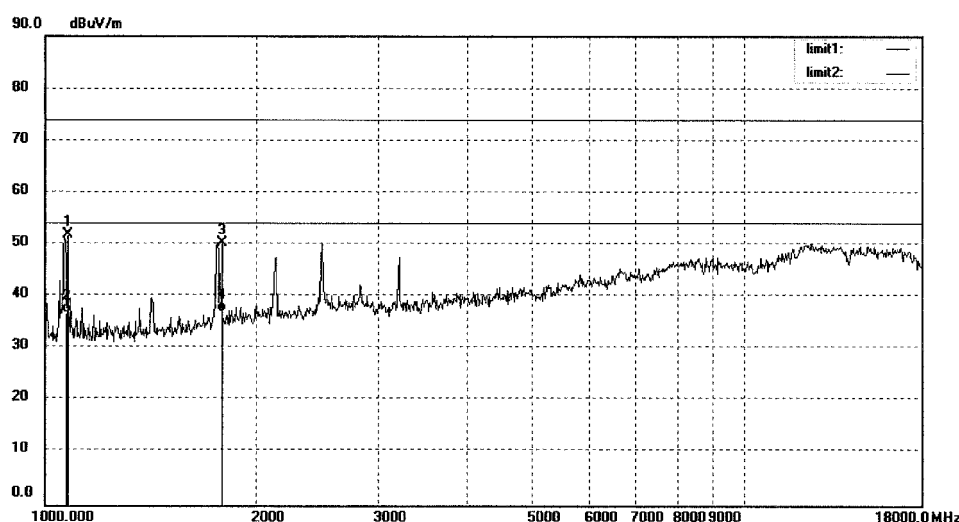
Mode: Recording video

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note: Front Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1080.075	64.49	-12.64	51.85	74.00	-22.15	peak			
2	1080.075	49.44	-12.64	36.80	54.00	-17.20	AVG			
3	1798.415	60.28	-10.05	50.23	74.00	-23.77	peak			
4	1798.415	47.05	-10.05	37.00	54.00	-17.00	AVG			


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Job No.: PHY #1851

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Playing video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

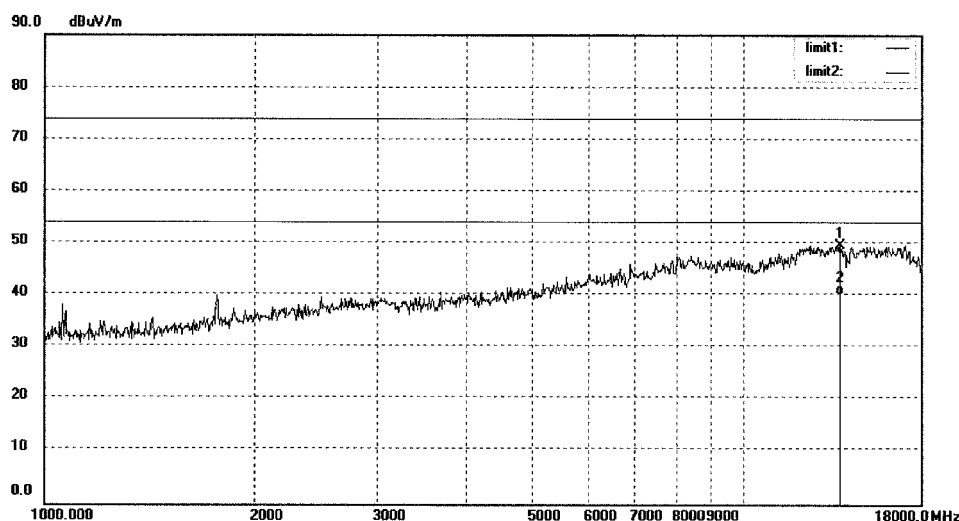
Date: 14/05/24/

Time:

Engineer Signature: PEI

Distance:

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13771.249	9.49	40.03	49.52	74.00	-24.48	peak			
2	13771.249	0.05	40.03	40.08	54.00	-13.92	AVG			


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Fax:+86-0755-26503396

Job No.: PHY #1850

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Playing video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

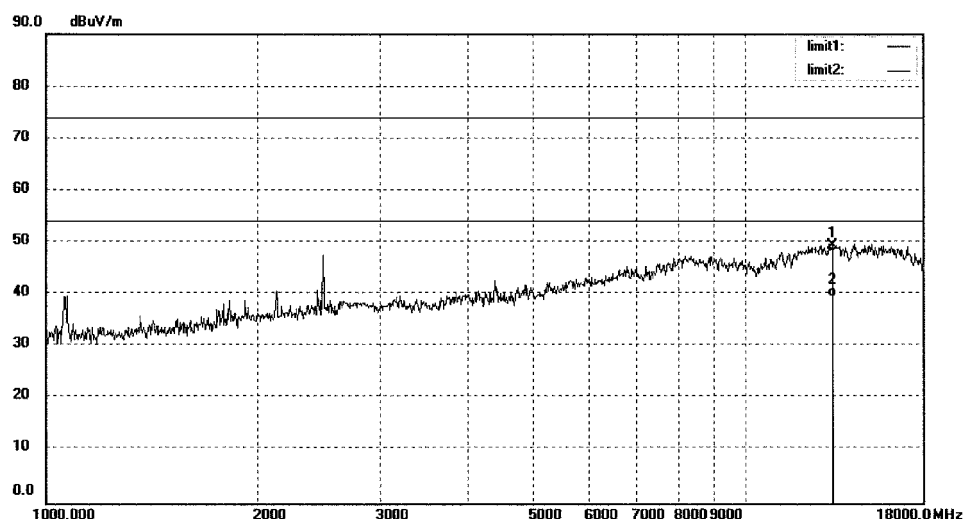
Date: 14/05/24/

Time:

Engineer Signature: PEI

Distance:

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13337.303	10.00	39.40	49.40	74.00	-24.60	peak			
2	13337.303	0.20	39.40	39.60	54.00	-14.40	AVG			

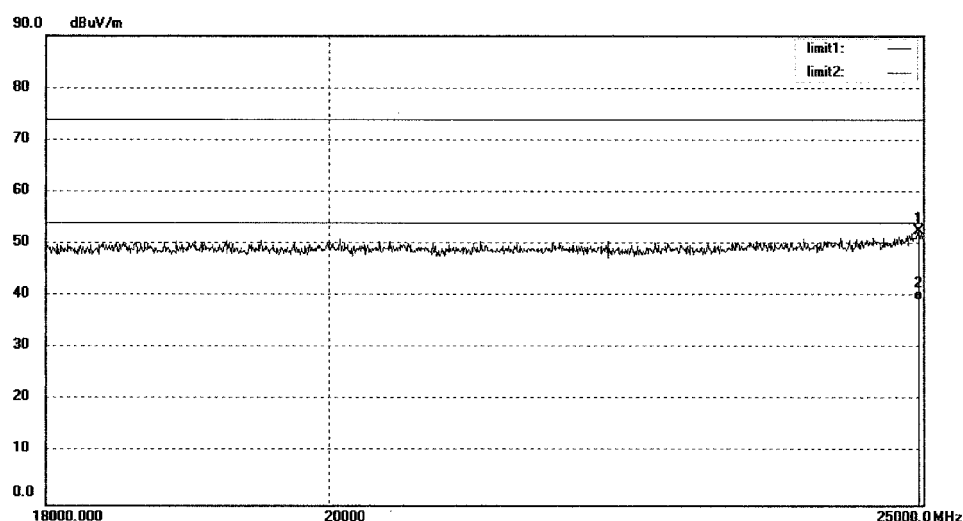

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Job No.: PHY #1860	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/05/24/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: MID	Engineer Signature: PEI
Mode: Recording video	Distance:
Model: NS-15AT07	
Manufacturer: Yifang	

Note: Back Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24958.889	33.64	18.84	52.48	74.00	-21.52	peak			
2	24958.889	20.36	18.84	39.20	54.00	-14.80	AVG			


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Job No.: PHY #1861

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Recording video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

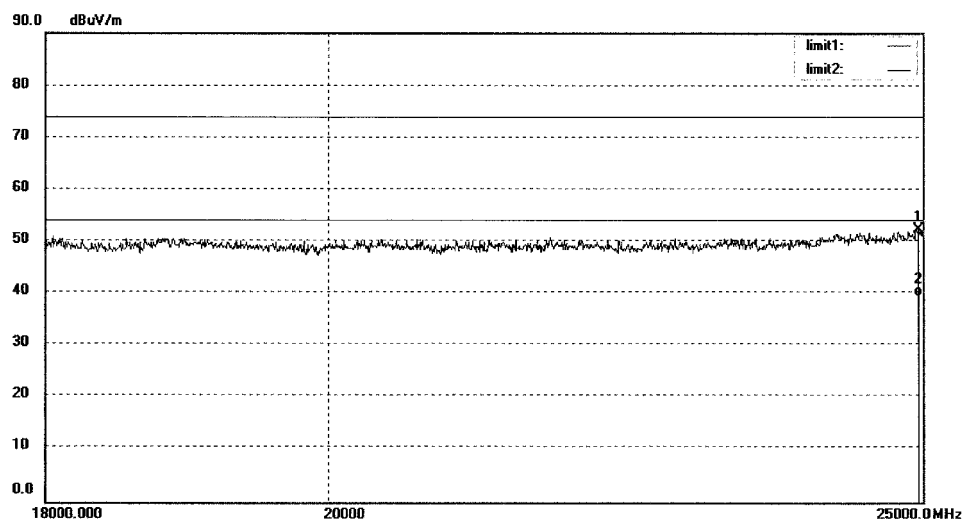
Date: 14/05/24/

Time:

Engineer Signature: PEI

Distance:

Note: Back Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24967.105	33.46	18.85	52.31	74.00	-21.69	peak			
2	24967.105	20.75	18.85	39.60	54.00	-14.40	AVG			


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Job No.: PHY #1859

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Recording video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

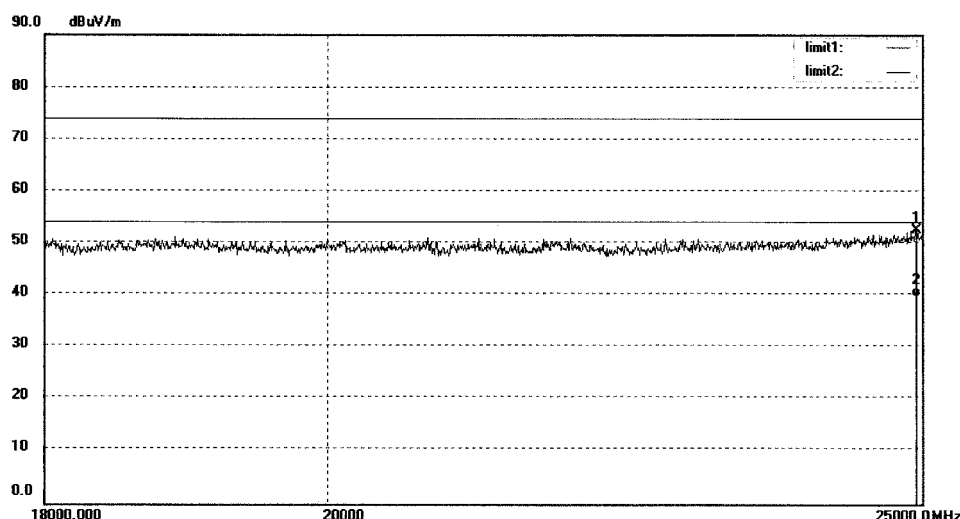
Date: 14/05/24/

Time:

Engineer Signature: PEI

Distance:

Note: Front Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	33.69	18.83	52.52	74.00	-21.48	peak			
2	24950.674	20.87	18.83	39.70	54.00	-14.30	AVG			


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Job No.: PHY #1858

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Recording video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Vertical

Power Source: AC 120V/60Hz

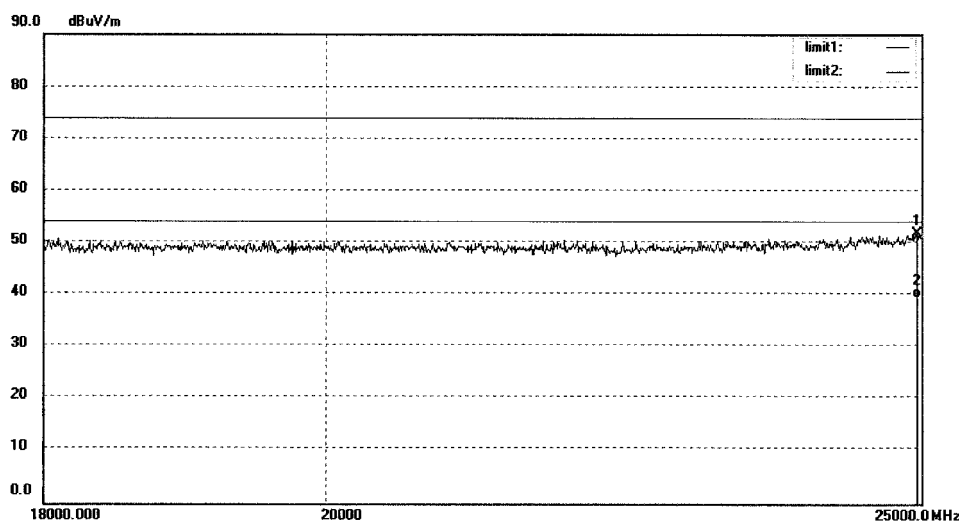
Date: 14/05/24/

Time:

Engineer Signature: PEI

Distance:

Note: Front Camera



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24967.105	33.01	18.85	51.86	74.00	-22.14	peak			
2	24967.105	20.73	18.85	39.58	54.00	-14.42	AVG			


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Job No.: PHY #1856

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: MID

Mode: Playing video

Model: NS-15AT07

Manufacturer: Yifang

Polarization: Horizontal

Power Source: AC 120V/60Hz

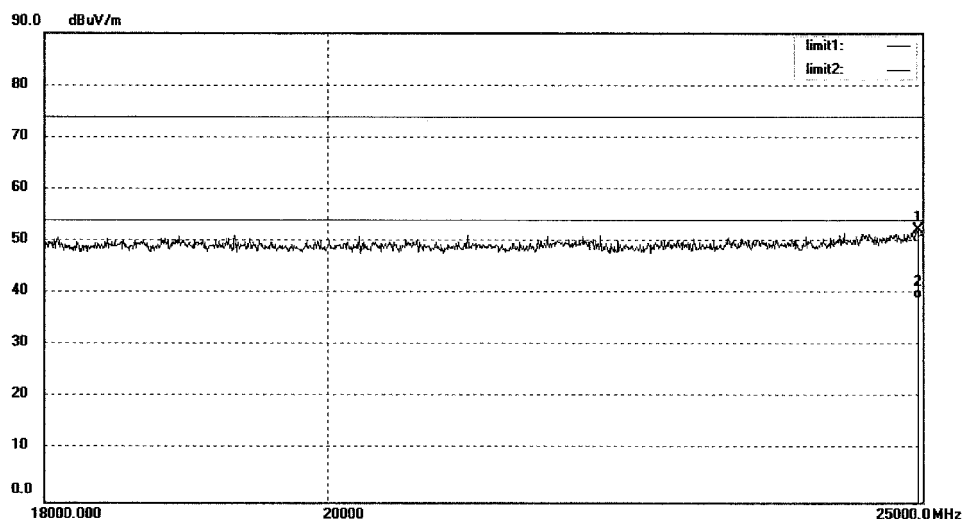
Date: 14/05/24/

Time:

Engineer Signature: PEI

Distance:

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24958.889	33.37	18.84	52.21	74.00	-21.79	peak			
2	24958.889	20.14	18.84	38.98	54.00	-15.02	AVG			


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Job No.: PHY #1857

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 14/05/24/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: MID

Engineer Signature: PEI

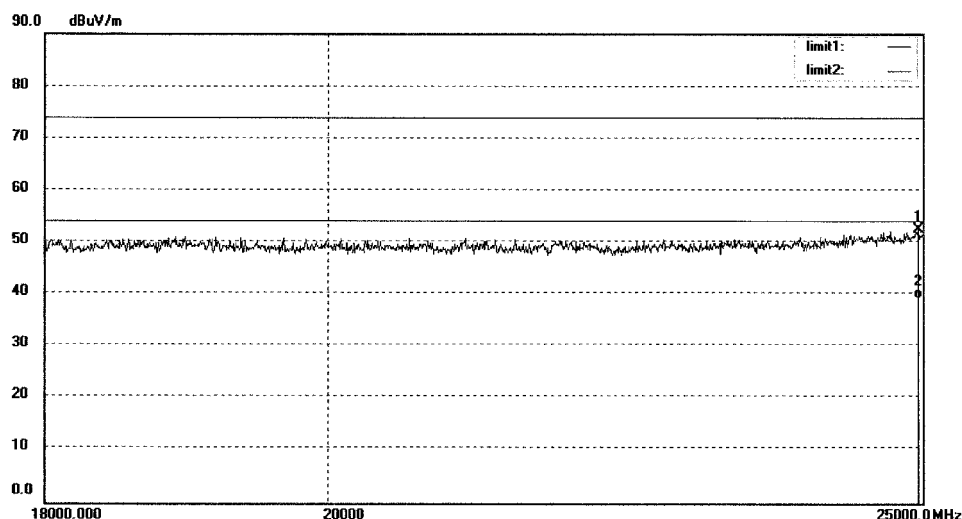
Mode: Playing video

Distance:

Model: NS-15AT07

Manufacturer: Yifang

Note:



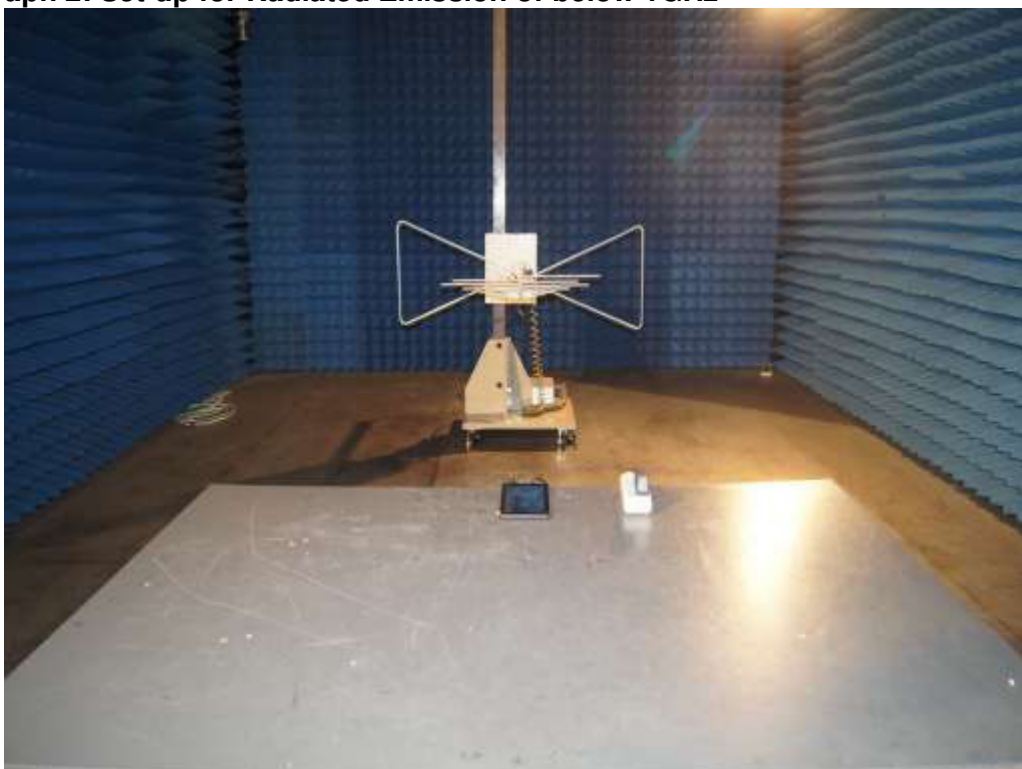
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24967.105	33.80	18.85	52.65	74.00	-21.35	peak			
2	24967.105	20.48	18.85	39.33	54.00	-14.67	AVG			

6. Photographs of the Test Set-Up

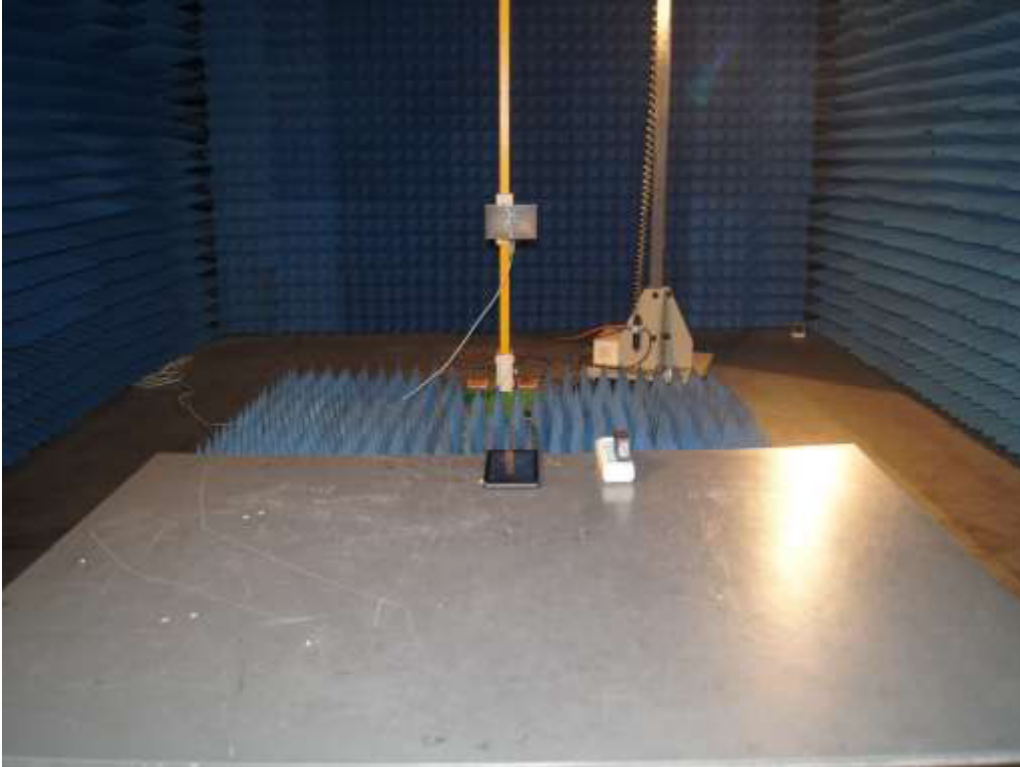
Photograph 1: Set-up for Conducted Emission



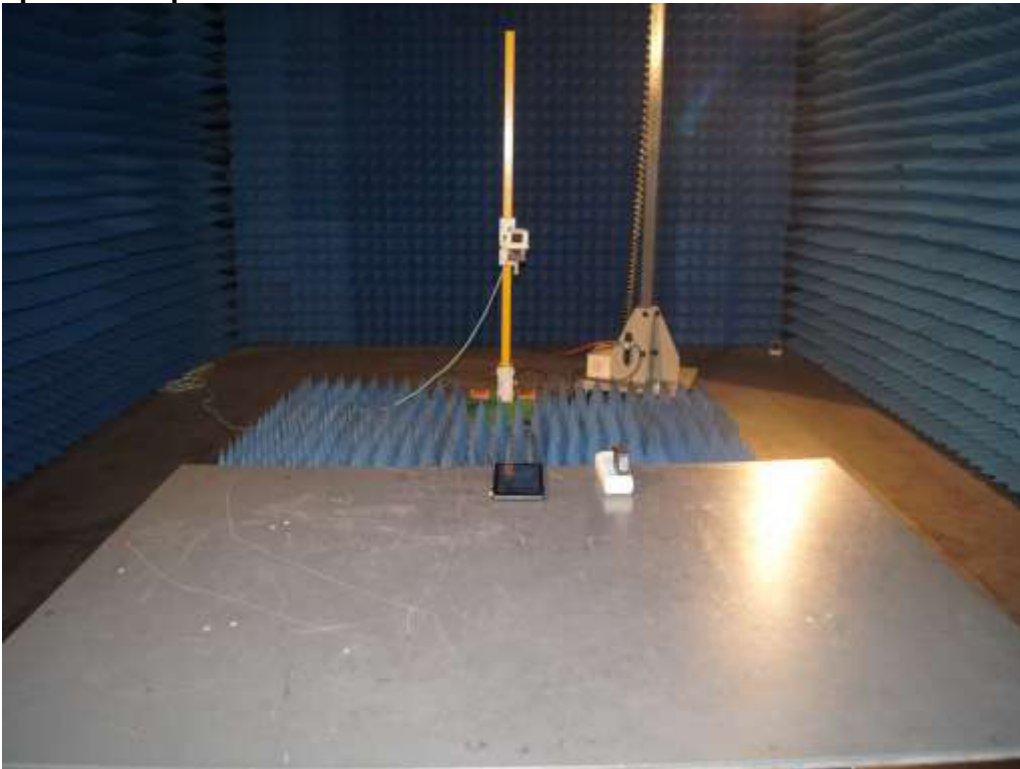
Photograph 2: Set-up for Radiated Emission of below 1GHz



Photograph 3: Set-up for Radiated Emission of 1 - 18GHz



Photograph 4: Set-up for Radiated Emission of 18 - 25GHz



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