

EMI TEST REPORT

On Model Name: 7" PAD

Model Number: 700P***, BCR76

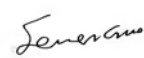
Brand Name: N/A


Prepared for Shenzhen KTC Technology Co., Ltd.

FCC ID Number: ROU00004

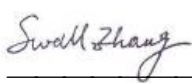
According to FCC 47 CFR Part 15, Subpart B

Test Report #: SHE-1306-11006-FCC

Tested by:  ECMG
Engineer Company Name

Reviewed by:  ECMG
Senior Engineer Company Name

QC Manager:  ECMG
QC Manager Company Name

Test Report Released by:  July 10th, 2013
Swall Zhang Date

Test Location

Tests performed in a Certified ANSI Semi-Anechoic Chamber and Shielded Room.

Test Site Location:

*Shenzhen Academy of
Metrology and quality
Inspection.*

*No.4, TongFa Road, Xili Street,
Nanshan District, Shenzhen,
China*

Accreditation Bodies

The test facility was recognized, certified, or accredited by the following organizations:

- **CNAL – LAB Code: L0579**

SMQ EMC Laboratory has been assessed and in compliance with CNAL/AC01:2002 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

- **FCC – Registration No.: 806614**

SMQ EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC was maintained in our files.

Table of Contents

<i>GOVERNMENT DISCLAIMER NOTICE</i>	<i>2</i>
<i>REPRODUCTION CLAUSE</i>	<i>2</i>
<i>OPINIONS AND INTERPRETATIONS</i>	<i>2</i>
<i>STATEMENT OF MEASUREMENT UNCERTAINTY</i>	<i>2</i>
<i>ADMINISTRATIVE DATA</i>	<i>3</i>
<i>EUT DESCRIPTION</i>	<i>4</i>
<i>TEST SUMMARY</i>	<i>7</i>
<i>TEST MODE JUSTIFICATION</i>	<i>6</i>
<i>EUT EXERCISE SOFTWARE</i>	<i>6</i>
<i>EQUIPMENT MODIFICATION</i>	<i>6</i>
<i>EUT SAMPLE PHOTOS</i>	<i>8</i>
<i>TEST SYSTEM DETAILS</i>	<i>13</i>
<i>ATTACHMENT 1 - CONDUCTED EMISSION TEST RESULTS</i>	<i>16</i>
<i>ATTACHMENT 2 - RADIATED EMISSION MEASUREMENT</i>	<i>22</i>

List Attached Files

Exhibit Type	File Description	File Name
<i>Test Report</i>	<i>Test Report</i>	<i>ROU00004 _Test report.pdf</i>
<i>Operation Description</i>	<i>Technical Description</i>	<i>ROU00004_operation description.pdf</i>
<i>External Photos</i>	<i>External Photos</i>	<i>ROU00004_External Photos.pdf</i>
<i>Internal Photos</i>	<i>Internal Photos</i>	<i>ROU00004_Internal Photos.pdf</i>
<i>Block Diagram</i>	<i>Block Diagram</i>	<i>ROU00004_Block Diagram.pdf</i>
<i>Schematics</i>	<i>Circuit Diagram</i>	<i>ROU00004 _Schematics.pdf</i>
<i>ID Label/Location</i>	<i>Label and Location</i>	<i>ROU00004 _Label & Location.pdf</i>
<i>User Manual</i>	<i>User Manual</i>	<i>ROU00004_User Manual.pdf</i>
<i>Test setup photos</i>	<i>Test setup photos</i>	<i>ROU00004 _Test Setup Photos.pdf</i>

Government Disclaimer Notice

When government drawing, specification, or other data are used for any purpose other than in connection with a definitely related government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawing, specifications, or other data, is not to be regarded by implication or otherwise in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell patented invention that may in any way be related thereto. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Reproduction Clause

Any reproduction of this document must be done in full. No single part of this document may be reproduced without permission from ECMG Electronic Technical Testing Corp (Shenzhen).

Opinions and Interpretations

This test report relates to the abovementioned equipment under test (EUT). Without the permission of ECMG Electronic Technical Testing Corp (Shenzhen) Test Lab this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark on this or similar products. The manufacturer has sole responsibility of continued compliance of the device.

Statement of Measurement Uncertainty

The data and results referenced in the document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities that can account for a nominal measurement error. Furthermore, component and process variability of devices similar to that tested may result in additional deviation.

Administrative Data

Test Sample : 7" PAD

Model Numbers : 700P***, BCR76

Model Tested : 700P21A

Receipt Date : July 4th, 2013

Date Tested : July 6th to 8th, 2013

Applicant : Shenzhen KTC Technology Co., Ltd.

Address Northern Wuhe Road, Gangtou, Buji,
Longgang, Shenzhen, China

Telephone : (86)-755-33688121

Fax : (86)-755-33615329

Manufacturer : Shenzhen KTC Technology Co., Ltd.

Address Northern Wuhe Road, Gangtou, Buji,
Longgang, Shenzhen, China

Telephone : (86)-755-33688121

Fax : (86)-755-33615329

Factory : Shenzhen KTC Technology Co., Ltd.

Address The workshop No#1, Northern Wuhe
Road, Gangtou, Buji, Longgang, Shenzhen,
China

Telephone : (86)-755-33688121

Fax : (86)-755-33615329

EUT Description

Shenzhen KTC Technology Co., Ltd., model tested 700P21A (referred to as the EUT in this report) is an 7" PAD.

Technical specifications of the EUT are as follows:

Parameter		Range
Basic parameters	Rated voltage	5VDC
	Rated Current	2A
I/O Ports	Power Jack	5V DC Power connector port
	Mini USB Port	USB devices may be connected via the USB port.
	SD Card Slot	SD card could be inserted in for picture/music/video files storage
	HDMI	High-Definition Multimedia Interface
	Earphone Jack	Earphone connector port
Power Adapter #1	Input	100-240V AC 50/60Hz,0.3A
	Output	5V DC,2.0 A
	Model	WEF0500200A1BA
	Brand name& Manufacturer	Mass Power
Power Adapter #2	Input	100-240V AC 50/60Hz,0.45A
	Output	5V DC,2000 mA
	Model	ASSA1A-050200
	Brand name& Manufacturer	AQUIL STAR PRECISION INDUSTRIAL(SHENZHEN)CO.,LTD
Power Adapter #3	Input	100-240V AC 50/60Hz,0.45A
	Output	5V DC,2000 m A
	Model	ASSA1E-050200
	Brand name& Manufacturer	AQUIL STAR PRECISION INDUSTRIAL(SHENZHEN)CO.,LTD
Power Adapter #4	Input	100-240V AC 50/60Hz,350mA Max.
	Output	5V DC,2.0 A
	Model	EP08-050200EUEZ
	Brand name& Manufacturer	Shenzhen Everest Electronics Co., Ltd.

NOTE:

1. For more detailed informations or features please refer to user's manual of EUT.
2. Pre-Scan has been conducted to determine the worst-case from all possible combinations between available power adapter, the worst-case power adapter #1(Mass Power) was selected for the all testing.

EUT model Derived

700P***,BCR76 model designations as follows:

700: express screen size is 7 inches;

"P": express PAD;

The first "*": can be 0-9,express various front panel style;

The second "*": can be 0-9,express various rear cover style;

The third "*": can be A-Z,express various surface frame color.

Model BCR76 is identical to model 700P21A except for brand name.

Model 700P21A was selected for the final testing.

Test Mode Justification

The EUT is a portable device that has three orientations; therefore, X, Y and Z orientations have been investigated, and the worst case was found to be at Y position.

Pre-scan has been conducted to determine the worst-case from all possible combinations between available operation mode.the following mode were selected for the final testing:

For connected to PC mode:

Connected the EUT to PC by an USB cable,an exercise software which "Winthrax.EXE" runs on windows XP system and control EUT operating on an exchange data mode and measured it.

For TF card Playing Mode:

Let EUT runs on TF Card playing mode and measured it.

EUT Exercise Software

No test software support this test.

Equipment Modification

Any modifications installed previous to testing by Shenzhen KTC Technology Co., Ltd. will be incorporated in each production model sold or leased in United States.

There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen). Test personnel.

Test Summary

The Electromagnetic Compatibility requirements on model 700P21A for this test are stated below. All results listed in this report relate exclusively to this above-mentioned model as the Equipment under Test. This report confers no approval or endorsement upon any other component, host or subsystem used in the test set-up.

Emission Tests				
Specifications	Description	Test Results	Test Point	Remark
<i>FCC Part 15.107 ANSI C63.4 -2009</i>	<i>Conducted Emission</i>	<i>Passed</i>	<i>AC Input Port</i>	<i>Attachment 1</i>
<i>FCC Part 15.109 ANSI C63.4 -2009</i>	<i>Radiated Emission</i>	<i>Passed</i>	<i>Enclosure</i>	<i>Attachment 2</i>

EUT Sample Photos for model 700P21A



EUT-Front View



EUT-Rear View

FCC Test Report #: SHE-1306-11006-FCC

Prepared for Shenzhen KTC Technology Co., Ltd.

Prepared by ECMG Electronic Technical Testing Corp (Shenzhen)

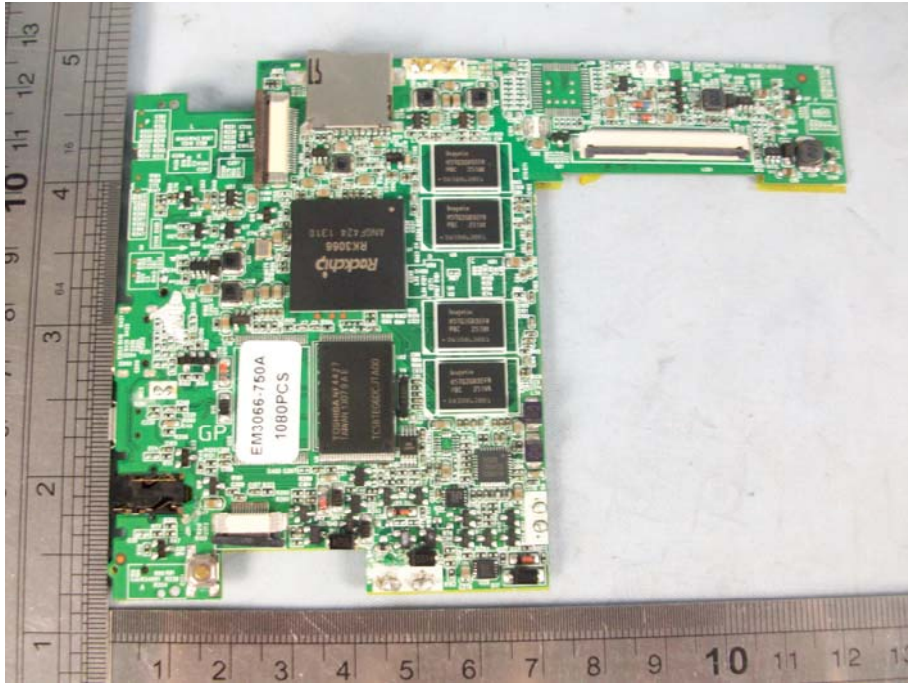
Page 8 of 31



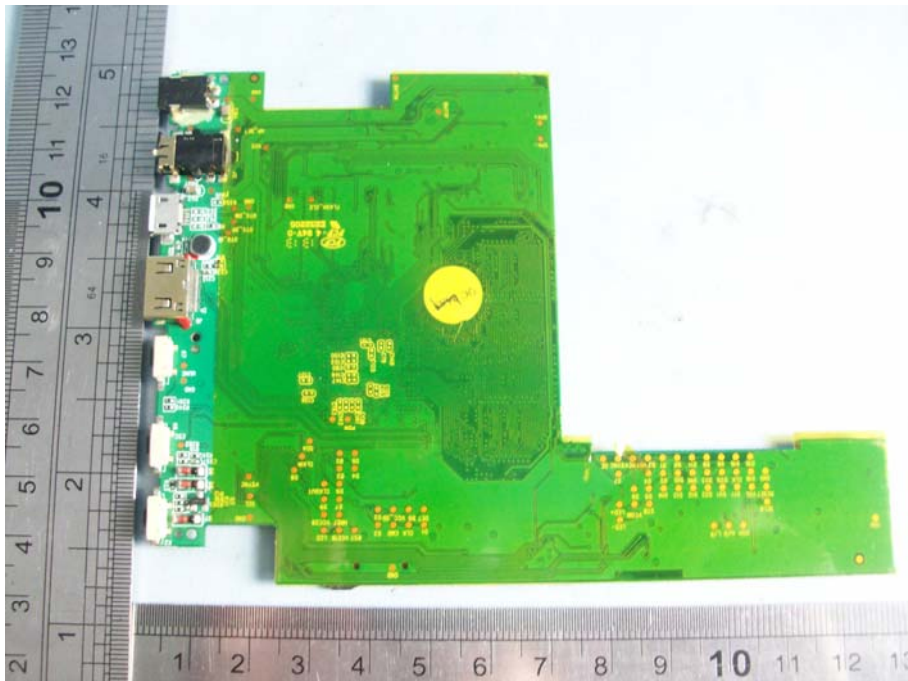
EUT-Side View



EUT-Uncovered View



Main board -Top View



Main board -Bottom View



Power Adaptor View (Manufacturer: Mass Power)



Power Adaptor View (Manufacturer: AQUIL)



Power Adaptor View (Manufacturer: AQUIL)



Power Adaptor View (Manufacturer: Everest)

Test System Details

EUT			
Model Number:	700P***,BCR76		
Model Tested:	700P21A		
Description:	7" PAD		
Input:	DC5V		
Manufacturer:	Shenzhen KTC Technology Co., Ltd.		
Support Equipment			
Description	Model Number	Serial Number	Manufacturer
LCD TV	KLV-32BX320	---	SONY
PC Host	Think Centre M57e	---	Lenovo
Monitor	9227-AE1	VITCW36	Lenovo
Mouse	MO28UOL	44AC107	Lenovo
Keyboard	KU-0225	0683207	Lenovo
Printer	K30141	---	Canon
Modem	ZXDSL 931 Series	---	ZTE

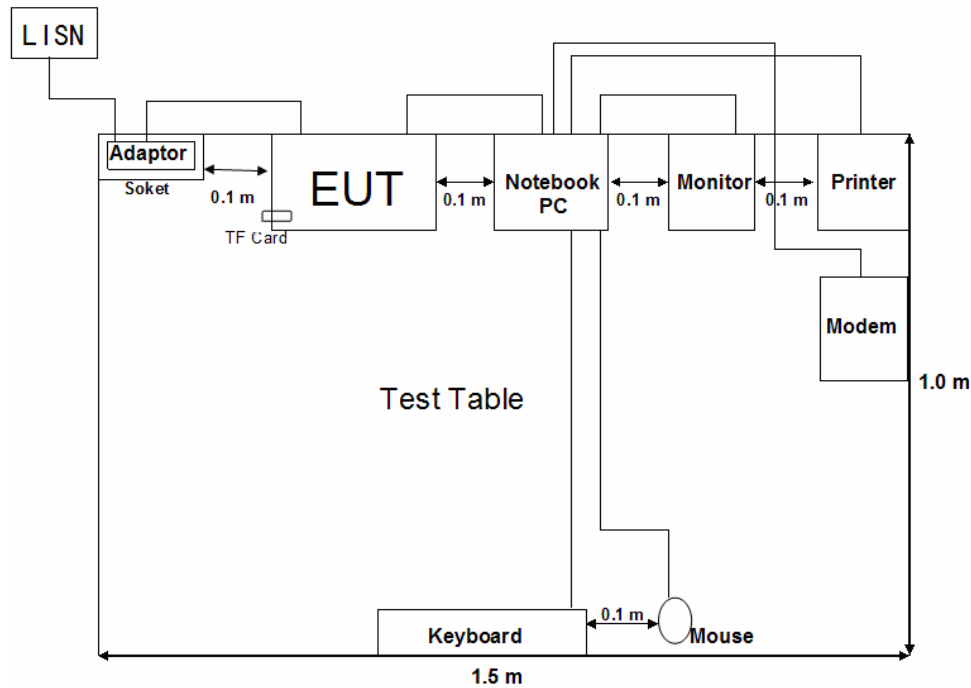
Continue on to next page...

Cable Description					
Description	From	To	Length (Meters)	Shielded (Y/N)	Ferrite (Y/N)
<i>Mouse Cord</i>	<i>Mouse</i>	<i>Plug</i>	<i>1.2</i>	<i>N</i>	<i>Y</i>
<i>Keyboard Cord</i>	<i>keyboard</i>	<i>Plug</i>	<i>1.2</i>	<i>N</i>	<i>Y</i>
<i>Printer cord</i>	<i>Printer</i>	<i>PC</i>	<i>1.2</i>	<i>N</i>	<i>Y</i>
<i>VGA Cable</i>	<i>Monitor</i>	<i>PC</i>	<i>1.2</i>	<i>Y</i>	<i>Y</i>
<i>HDMI Cable</i>	<i>EUT</i>	<i>LCD TV</i>	<i>1.2</i>	<i>Y</i>	<i>Y</i>
<i>USB Cord</i>	<i>EUT</i>	<i>PC</i>	<i>1.2</i>	<i>Y</i>	<i>Y</i>
<i>Headphone Cable</i>	<i>EUT</i>	<i>Headphone</i>	<i>1.2</i>	<i>N</i>	<i>N</i>
<i>Cord of Power Adapter #1</i>	<i>EUT</i>	<i>Plug</i>	<i>1.8</i>	<i>N</i>	<i>Y</i>
<i>Cord of Power Adapter #2</i>	<i>EUT</i>	<i>Plug</i>	<i>1.8</i>	<i>N</i>	<i>N</i>
<i>Cord of Power Adapter #3</i>	<i>EUT</i>	<i>Plug</i>	<i>1.8</i>	<i>N</i>	<i>N</i>
<i>Cord of Power Adapter #4</i>	<i>EUT</i>	<i>Plug</i>	<i>1.8</i>	<i>N</i>	<i>N</i>
<i>Note: The "EUT" means "7" PAD".</i>					

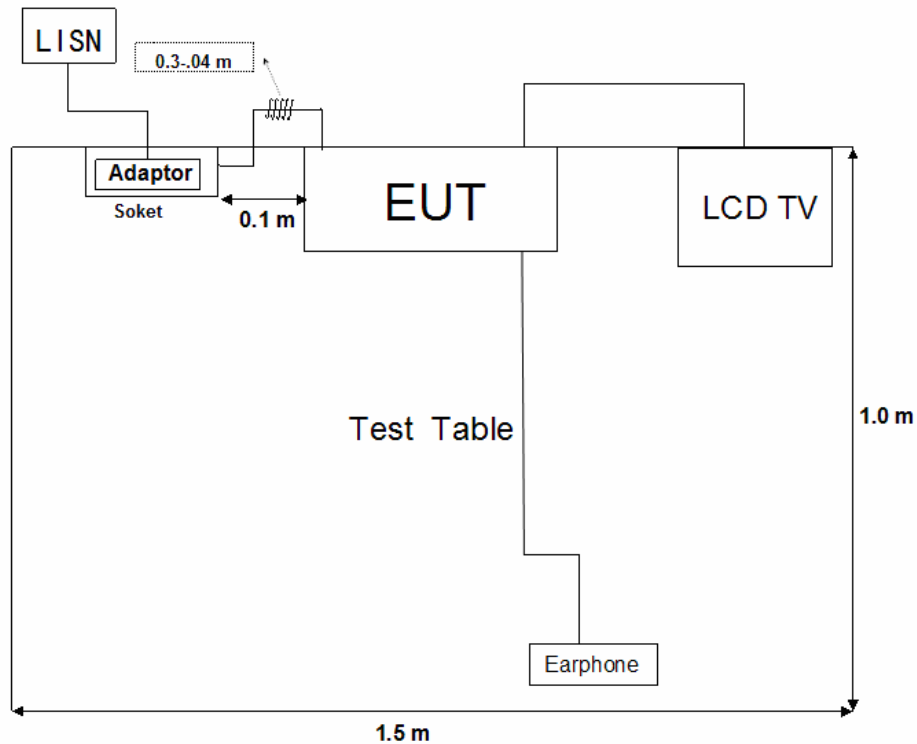
NOTE: The EUT has been tested as an independent unit together with other necessary accessories or support units. The above support units or accessories were used to form a representative test configuration during the test tests.

Configuration of Tested System

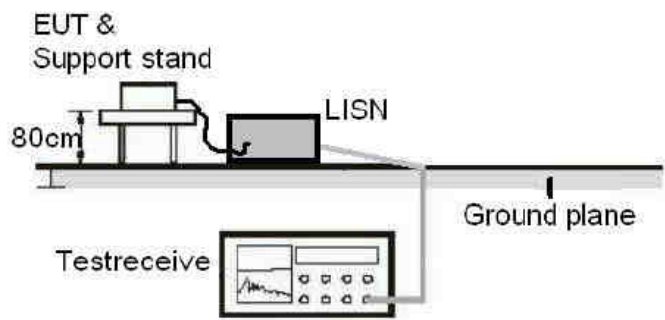
Connected to PC:



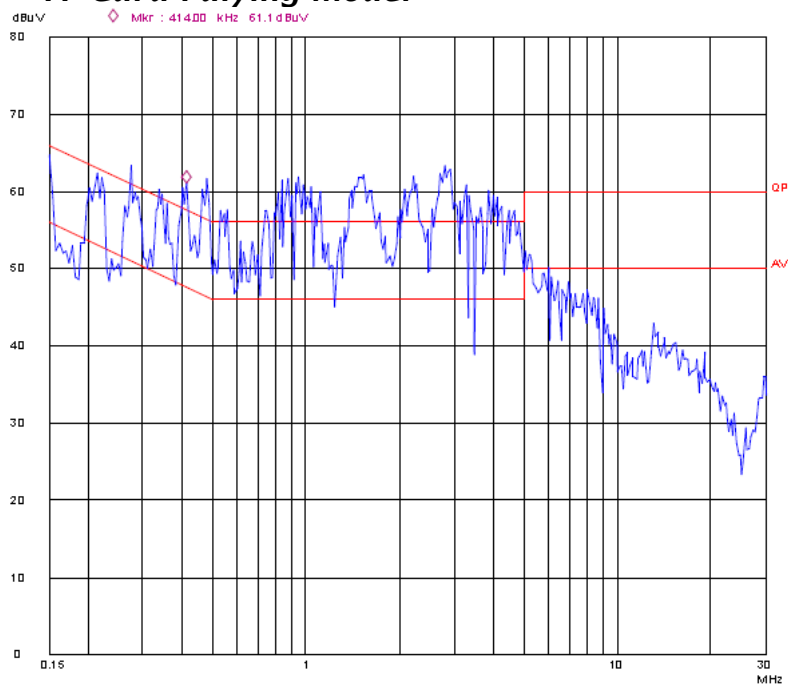
TF Card playing mode:



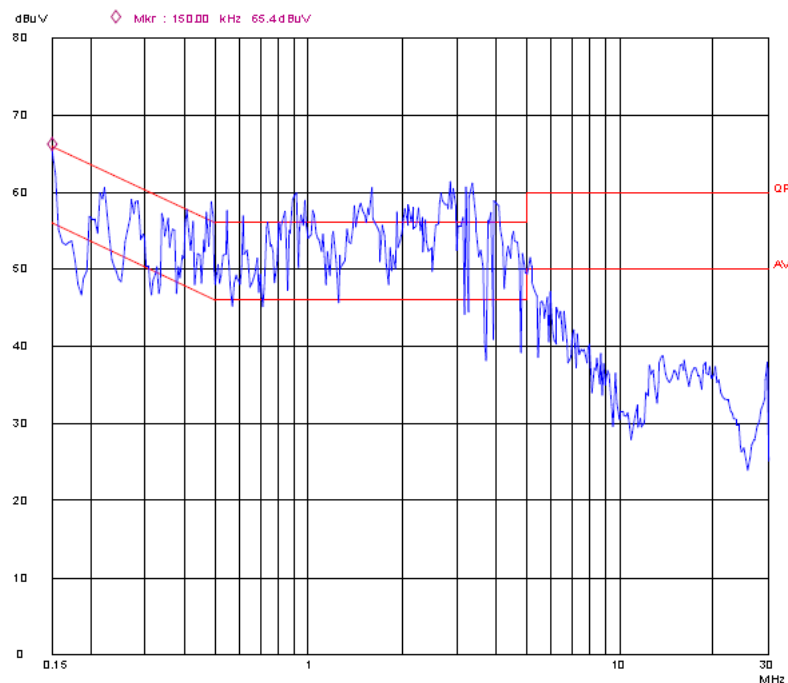
ATTACHMENT 1 - CONDUCTED EMISSION TEST RESULTS

CLIENT:	Shenzhen KTC Technology Co., Ltd.	TEST STANDERD:	FCC Part 15, Subpart B, Section 15.107
MODEL NUMBERS:	700P***,BCR76	PRODUCT:	7" PAD
MODEL TESTED:	700P21A	EUT DESIGNATION:	Home or Office
TEMPERATURE:	23°C	HUMIDITY:	51%
ATM PRESSURE:	103kPa	GROUNDING:	None
TESTED BY:	SEWEN GUO	DATE OF TEST:	June 25 th , 2013
TEST REFERENCE:	ANSI C63.4 -2009		
TEST PROCEDURE:	The EUT was set up according to the guidelines of ANSI C63.4 -2009 for conducted emissions. The measurement was using a AMN on each line and an EMI receiver peak scan was made at the frequency measurement range. The six highest significant peaks were then marked, and these signals were then quasi-peaked and averaged.The frequency range investigated was from 150KHz to 30MHz.		
TEST SET UP			
TESTED RANGE:	150kHz to 30MHz		
TEST VOLTAGE:	AC 120V/60Hz		
RESULTS:	The EUT meets the requirements of test reference for Conducted Emissions. The test results relate only to the equipment under test provided by client.		
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen). Test personnel.		
M. UNCERTAINTY:	Freq. $\pm 2 \times 10^{-7}$ x Center Freq., Amp ± 2.6 dB		

TF Card Palying mode:

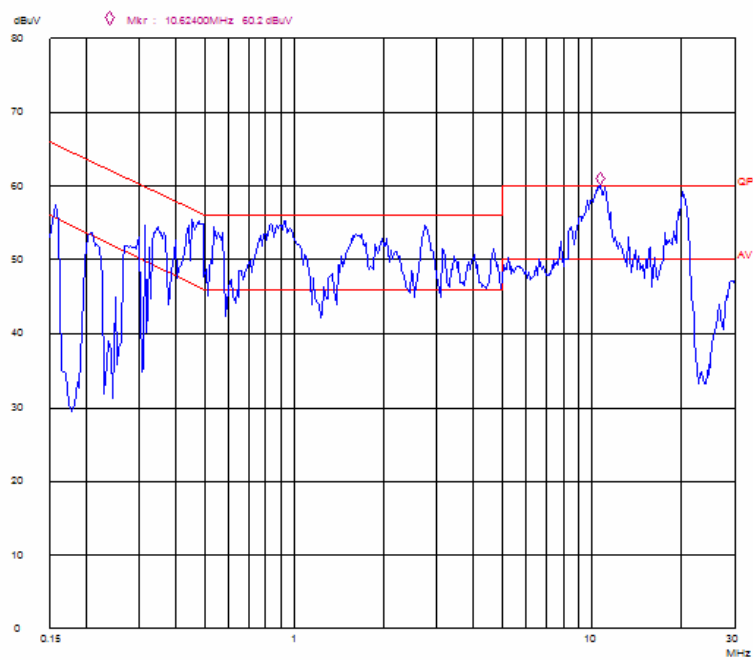


Line L Conducted Emission Graph

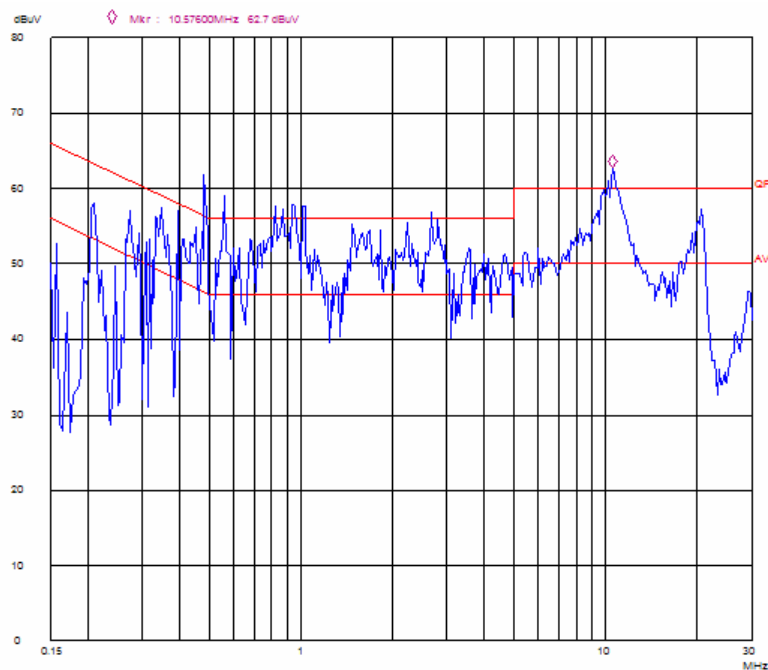


Line N Conducted Emission Graph

Connected to PC :



Line L Conducted Emission Graph



Line N Conducted Emission Graph

Test Data:

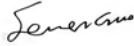
<i>Lines</i>	<i>Frequency (MHz)</i>	<i>Corrected QP Level (dBuV)</i>	<i>Limits QP (dBuV)</i>	<i>Margin QP (dB)</i>	<i>Frequency (MHz)</i>	<i>Corrected AV Level (dBuV)</i>	<i>Limits AV (dBuV)</i>	<i>Margin QP (dB)</i>
TF Card Playing Mode								
L	0.482	54.7	56.3	-1.6	0.482	40.3	46.3	-6.0
L	0.946	54.0	56	-2.0	0.946	35.0	46	-11.0
L	2.862	53.2	56	-2.8	2.862	35.8	46	-10.2
N	0.487	54.9	56.4	-1.5	0.487	40.7	46.4	-5.7
N	0.906	53	56	-3.0	0.906	34	46	-12.0
N	1.470	52.6	56	-3.4	1.470	35.4	46	-10.6
Connected to PC Mode								
L	0.494	49.0	56.1	-7.1	0.494	39.0	46.1	-7.1
L	10.624	54.9	60	-5.1	10.624	42.2	50	-7.8
L	20.060	51.4	60	-8.6	20.060	43.4	50	-6.6
N	0.484	51.7	56.3	-4.6	0.484	32.3	46.3	-14.0
N	0.934	46.9	56	-9.1	0.934	25.2	46	-20.8
N	10.576	55.7	60	-4.3	10.576	39.7	50	-10.3


Note :

1. All readings are using a bandwidth of 9 kHz, with a 500 ms sweep time. A video filter was not use.
2. "QP" means "Quasi-Peak" values, "AV" means "Average" values.
3. The other emissions levels are too low against official limits that are not be recorded.

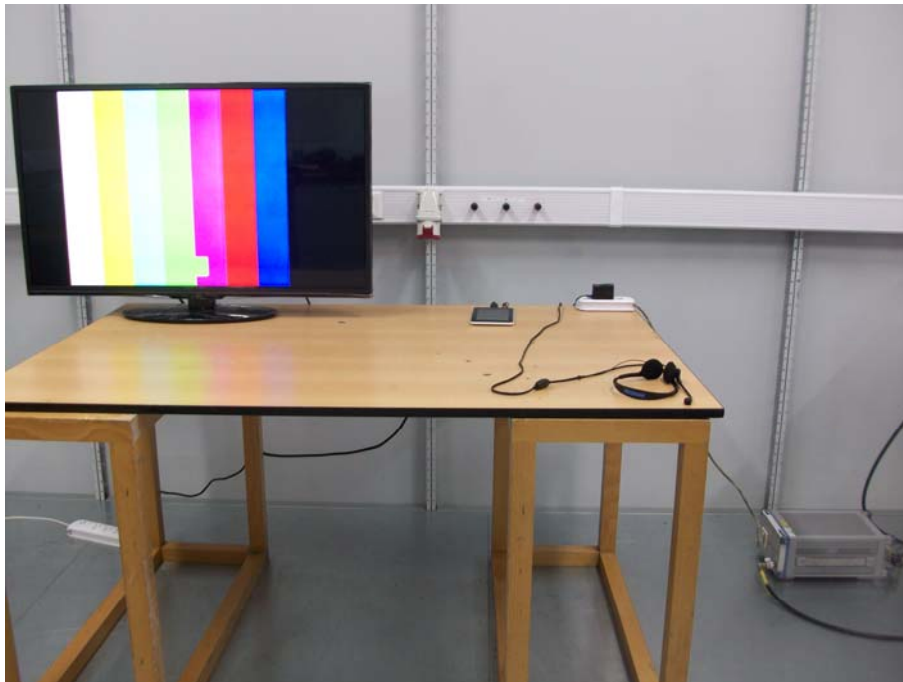
Test Equipment List:

Test Equipment	Model No.	Manufacturer	Serial No.	Last Cal.	Cal. Due
EMI test receiver	ESCS30	Rohde & Schwarz	SB2603	2012-07-22	2013-07-21
AMN	ESH2-Z5	Rohde & Schwarz	SB3321	2012-07-22	2013-07-21
Shielded Room	RF-1 9*4.5*3(m)	EMC	A9901141	2012-07-22	2013-07-21
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).					

TESTED BY:  ECMG
ENGINEER COMPANY NAME

REVIEWED BY:  ECMG
SENIOR ENGINEER COMPANY NAME

EUT Model: 700P21A



Conducted Emission Test Set-up -TF Card Playing Mode



Conducted Emission Test Set-up -Connected to PC

ATTACHMENT 2 – RADIATED EMISSION MEASUREMENT

CLIENT:	Shenzhen KTC Technology Co., Ltd.	TEST STANDERD:	FCC Part 15,Subpart B, Section 15.109
MODEL NUMBERS:	700P***,BCR76	PRODUCT:	7" PAD
EUT MODEL:	700P21A	EUT DESIGNATION:	Home or Office
TEMPERATURE:	23°C	HUMIDITY:	49%RH
ATM PRESSURE:	103.0kPa	GROUNDING:	None
TESTED BY:	Sewen Guo	DATE OF TEST:	June 25 th , 2013
TEST REFERENCE:	ANSI C63.4 -2009		
TEST PROCEDURE:	<p>The EUT was set up according to the guidelines of ANSI C63.4 -2009 for radiated emissions. An EMI receiver peak scan was made at the frequency measurement range (pre-scan) in an Anechoic chamber.signal discrimination was then performed and the significant peaks marked.these peaks were then quasi-peaked in the frequency range of 30 MHz to 1GHz and average and peak in the frequency range of 1GHz to 10GHz at an full anechoic chamber.</p> <p>The following data lists the significant emission frequencies, measured levels, correction factors (including cable and antenna correction factors), and the corrected readings against the limits. Explanation of the Correction Factor are given as follows:</p> <p>FS= RA + AF + CF - AG</p> <p>Where: FS = Field Strength</p> <p>RA = Receiver Amplitude</p> <p>AF = Antenna Factor</p> <p>CF = Cable Attenuation Factor</p> <p>AG = Amplifier Gain</p>		
TEST MODE	TF Card playing mode&Connected to PC mode		
TESTED RANGE:	30MHz to 10GHz		
TEST VOLTAGE:	AC 120V/60Hz		
RESULTS:	The EUT meet the requirements of test reference for radiated emissions.The test results relate only to the equipment under test provided by client.		
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen). Test personnel.		
M. UNCERTAINTY:	Freq. $\pm 2 \times 10^{-7}$ x Center Freq., Amp ± 2.6 dB		

Continue on to next page...

TEST SET-UP:

Figure 1 : Frequencies measured below 1 GHz configuration

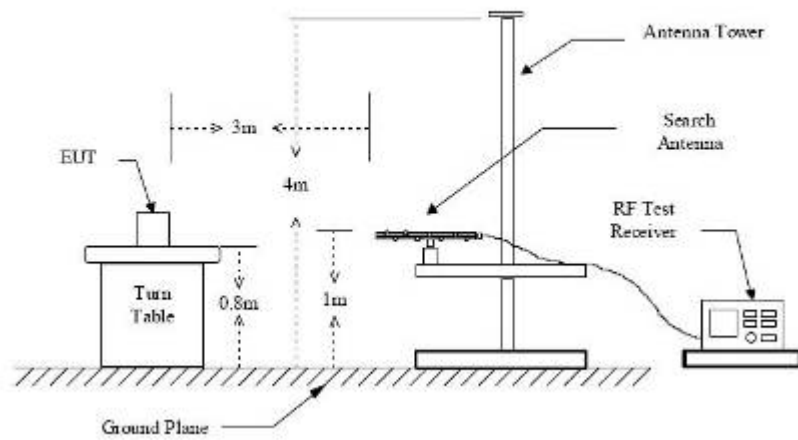
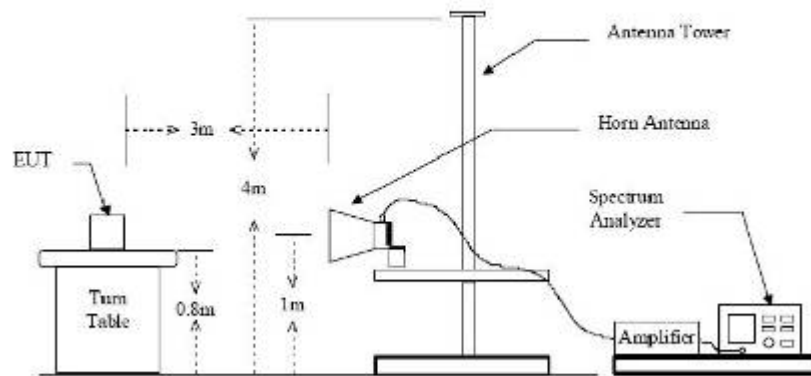


Figure 2 : Frequencies measured above 1 GHz configuration



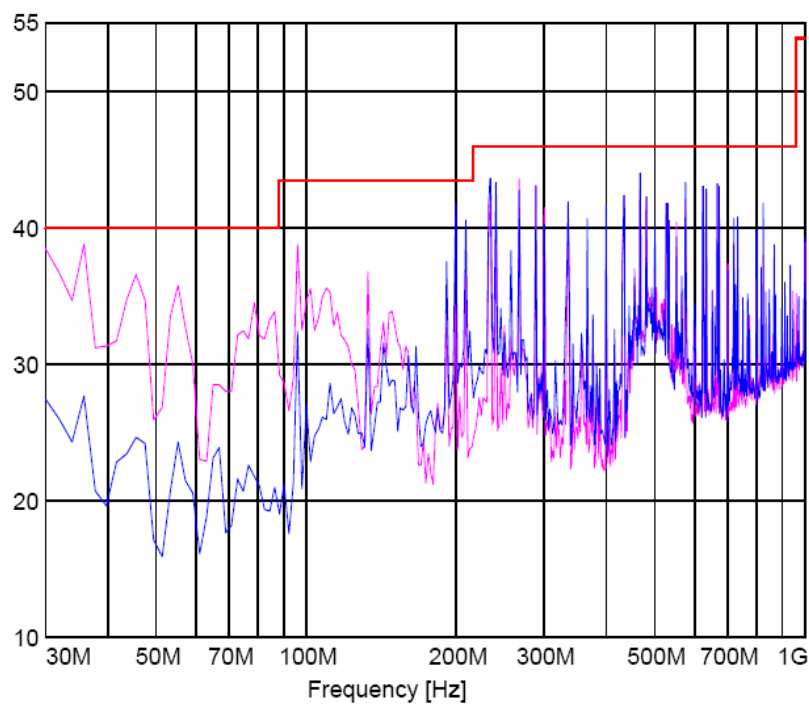
15.109 Limits of Radiated Emission :

The field strength of radiated emissions at a distance of 3 meters shall not exceed the following values:

<i>Frequency of Emission (MHz)</i>	<i>Field Strength (μV/m)</i>	<i>Field Strength (dBμV/m)</i>
30 - 88	100	40.0
88 -216	150	43.5
216 - 960	200	46.0
Above 960	500	54.0
<div>1) Emission Level dB (μV/m) = 20 log Emission Level (μV/m)</div> <div>2) The tighter limit applies at the band edges.</div> <div>3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.</div>		

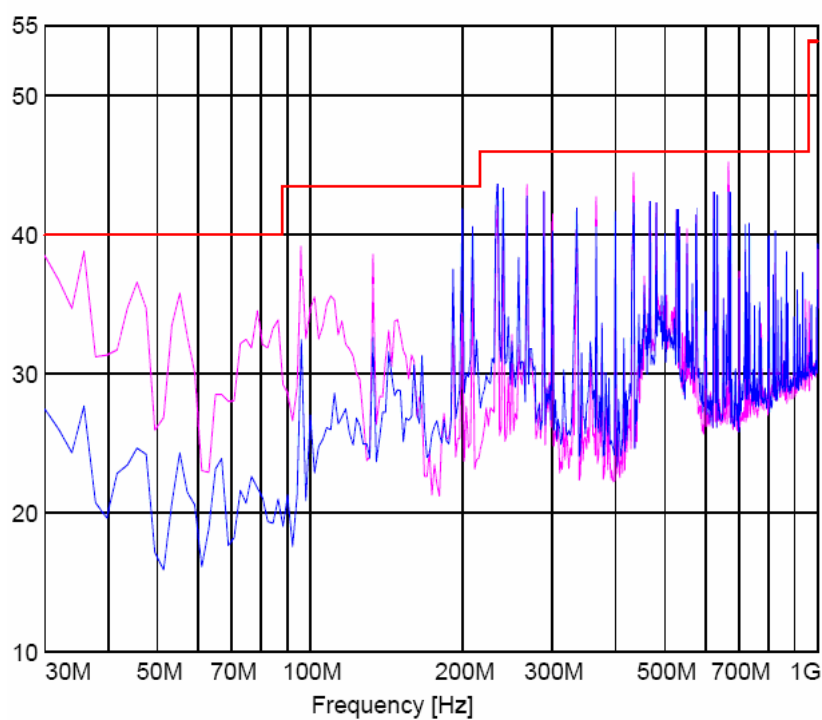
TF Card Playing Mode:

Level [dB 磁/m]



Radiated Emission Test Plot- Horizontal&Vertical

Level [dB 磁/m]



Radiated Emission Test Plot -Horizontal&Vertical

Test Data:
Below 1GHz:

<i>Frequency [MHz]</i>	<i>Antenna Polarization [V/H]</i>	<i>Corrected Reading [dBμV/m]</i>	<i>Delta, QP [dB]</i>	<i>3 Meters Limits [dBμV/m]</i>
TF Card Playing Mode				
35.010	H	33.7	-6.3	40
96.028	H	38.3	-5.2	43.5
480.325	H	43.6	-2.4	46
35.010	V	38.1	-1.9	40
270.483	V	43.0	-3.0	46
480.325	V	41.7	-4.3	46
Connected to PC mode				
35.010	H	34.7	-5.3	40
96.028	H	39.3	-4.2	43.5
247.025	H	43.6	-2.4	46
35.010	V	38.1	-1.9	40
425.820	V	42.3	-3.7	46
680.320	V	43.7	-2.3	46

Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 60 s sweep time. A video filter was not used.

Above 1GHz:**TF Card Playing Mode:**

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Preamplifier Factor (dB)	Reading Level (dBuV/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Polarization (H/V)
Peak Measurement								
1.070	1.39	23.9	-33.6	-13.29	45.60	74	-28.4	H
1.190	1.41	24.2	-33.6	-13.51	45.70	74	-28.3	H
1.330	1.58	24.5	-33.6	-12.88	46.80	74	-27.2	H
1.060	1.39	23.9	-33.6	-9.99	48.90	74	-25.1	V
1.190	1.41	24.2	-33.6	-4.11	55.10	74	-18.9	V
1.330	1.58	24.5	-33.6	-10.28	49.40	74	-24.6	V
Average Measurement								
1.130	1.41	24.0	-33.6	-27.61	31.40	54	-22.6	H
1.330	1.58	24.5	-33.6	-29.68	30.00	54	-24.0	H
1.670	1.82	27.1	-33	-29.22	32.70	54	-21.3	H
1.130	1.41	24.0	-33.6	-25.41	33.60	54	-20.4	V
1.400	1.61	25.1	-33.6	-24.81	35.50	54	-18.5	V
1.580	1.76	26.7	-33.6	-28.46	33.60	54	-20.4	V

Note:

1. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Emission Level = Reading Level + Antenna Factor + Cable Loss - Preamplifier Factor.
2. The limits shown are based on Peak value and Average value detector above 1GHz, the bandwidth of Test Receiver was set at 1MHz above 1GHz.
3. The other emission levels are 20dB below the official limits that are not reported.

**Above 1GHz:
Connected to PC:**


Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Preamplifier Factor (dB)	Reading Level (dBuV/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Polarization (H/V)
Peak Measurement								
1.070	1.39	23.9	-33.6	-12.99	45.90	74	-28.1	H
1.130	1.41	24.0	-33.6	-12.41	46.60	74	-27.4	H
1.520	1.71	26.1	-33.6	-20.91	40.50	74	-33.5	H
1.200	1.46	24.7	-33.6	-6.16	53.60	74	-20.4	V
1.330	1.58	24.5	-33.6	1.92	61.60	74	-12.4	V
2.130	2.01	28	-33	-11.61	51.40	74	-22.6	V
Average Measurement								
1.130	1.41	24.0	-33.6	-25.31	33.70	54	-20.3	H
1.370	1.60	24.8	-33.6	-28.90	31.10	54	-22.9	H
1.630	1.82	27.1	-33	-29.32	32.60	54	-21.4	H
1.300	1.52	24.2	-33.6	-24.32	35.00	54	-19.0	V
1.360	1.60	24.8	-33.6	-24.10	35.90	54	-18.1	V
1.730	1.87	26.8	-33.0	-25.77	35.90	54	-18.1	V


Note:

1. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Emission Level = Reading Level + Antenna Factor + Cable Loss - Preamplifier Factor.
2. The limits shown are based on Peak value and Average value detector above 1GHz, the bandwidth of Test Receiver was set at 1MHz above 1GHz.
3. The other emission levels are 20dB below the official limits that are not reported.

Test Equipment List:

Test Equipment	Model No.	Manufacturer	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	ESI26	R&S	SB3436	2013-01-25	2014-01-24
Bilog Antenna	CBL6112B	Chase	SB3440	2013-01-25	2014-01-24
Horn Antenna	HF906	Rohde & Schwarz	SB3435	2013-01-25	2014-01-24
Chamber	9X6X6	Albatross Projects	N/A	2013-03-21	2015-03-20
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST)					

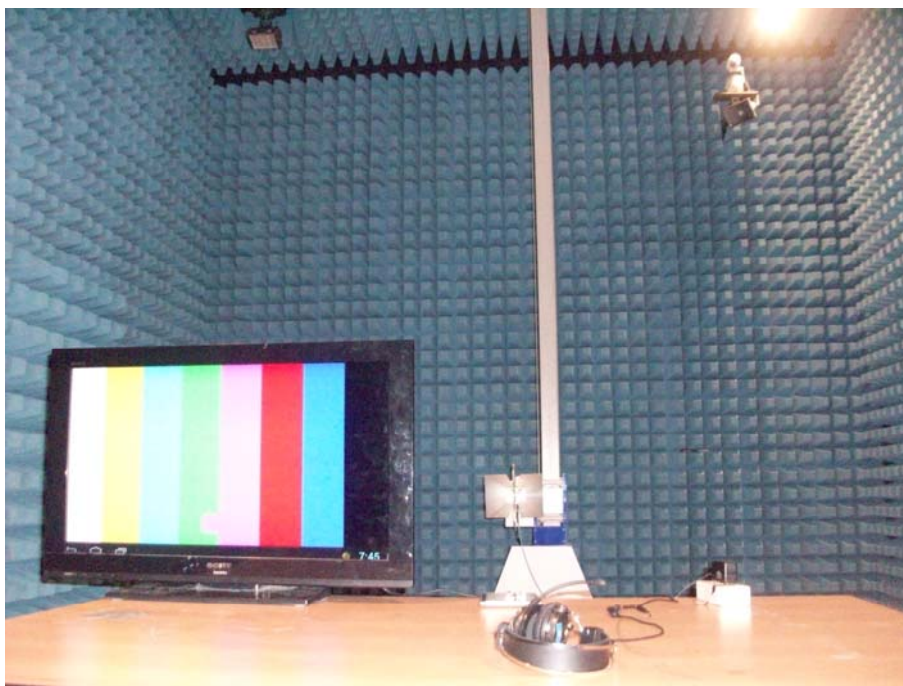
TESTED BY:  ECMG
ENGINEER COMPANY NAME

REVIEWED BY:  ECMG
SENIOR ENGINEER COMPANY NAME

EUT Model: 700P21A
TF Card Playing Mode:



Radiated Emission Test Set-up -below 1GHz

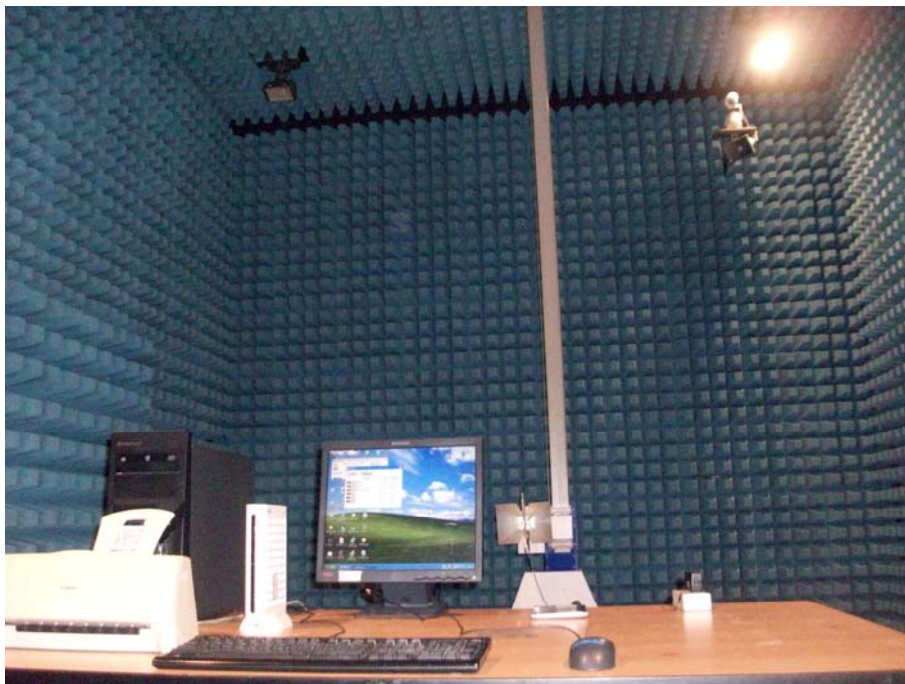


Radiated Emission Test Set-up-Above 1GHz

Connected to PC :



Radiated Emission Test Set-up-Below 1GHz



Radiated Emission Test Set-up -Above 1GHz