



STC Test Report

Date : 2011-05-03

Page 1 of 19

No. : HM166547

Applicant (XLT001): X 10 (USA) Inc.
620 Naches Ave SW, Building A, Renton, WA 98057,

Manufacturer: X-10 Electronics (Shenzhen) Co., Ltd.
Together Rich Industrial Park B, Sanwei Industrial District,
Xixiang Town, Baoan Country, Shengzhen, China

Description of Sample(s): Submitted sample(s) said to be
Product: 900MHz Wireless Audio/Video Sender
Brand Name: X10
Model Number: VT50
FCC ID: B4SVT50

Date Sample(s) Received: 2011-04-12

Date Tested: 2011-04-19 to 2011-04-21

Investigation Requested: Perform ElectroMagnetic Interference measurement in
accordance with FCC 47CFR [Codes of Federal Regulations]
Part 15: 2010 and ANSI C63.4:2009 for FCC Certification.

Conclusion(s): The submitted product COMPLIED with the requirements of
Federal Communications Commission [FCC] Rules and
Regulations Part 15. The tests were performed in accordance
with the standards described above and on Section 2.2 in this
Test Report.

Remark(s): ---

Dr. LEE Kam Chuen
Authorized Signatory
ElectroMagnetic Compatibility Department
For and on behalf of
The Hong Kong Standards and Testing Centre Ltd.

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong
Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from the Hong Kong Standards and Testing Centre Ltd.
For full text of "Conditions of Issuance of Test Report", please refer to overleaf or refer to the website of Homepage.



STC Test Report

Date : 2011-05-03

Page 2 of 19

No. : HM166547

CONTENT:

Cover	Page 1 of 19
Content	Page 2 of 19
<u>1.0 General Details</u>	
1.1 Test Laboratory	Page 3 of 19
1.2 Applicant Details	Page 3 of 19
Applicant	
Manufacturer	
1.3 Equipment Under Test [EUT]	Page 4 of 19
Description of EUT operation	
1.4 Date of Order	Page 4 of 19
1.5 Submitted Sample	Page 4 of 19
1.6 Test Duration	Page 4 of 19
1.7 Country of Origin	Page 4 of 19
<u>2.0 Technical Details</u>	
2.1 Investigations Requested	Page 5 of 19
2.2 Test Standards and Results Summary	Page 5 of 19
<u>3.0 Test Results</u>	
3.1 Radiated Emission	Page 6-16 of 19
<u>Appendix A</u>	
List of Measurement Equipment	Page 17 of 19
<u>Appendix B</u>	
Photographs	Page 18-19 of 19

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong
Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 3 of 19

No. : HM166547

1.0 General Details

1.1 Test Laboratory

The Hong Kong Standards and Testing Centre Ltd.
EMC Laboratory
10 Dai Wang Street, Taipo Industrial Estate
New Territories, Hong Kong

1.2 Applicant Details Applicant

X 10 (USA) Inc.
620 Naches Ave SW, Building A, Renton, WA 98057,

Manufacturer

X-10 Electronics (Shenzhen) Co., Ltd.
Together Rich Industrial Park B, Sanwei Industrial District, Xixiang Town, Baoan Country,
Shengzhen, China

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong
Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 4 of 19

No. : HM166547

1.3 Equipment Under Test [EUT] Description of Sample(s)

Product: 900MHz Wireless Audio/Video Sender
Manufacturer: X-10 Electronics (Shenzhen) Co., Ltd.
Together Rich Industrial Park B, Sanwei Industrial District,
Xixiang Town, Baoan Country, Shengzhen, China
Brand Name: X10
Model Number: VT50
Input Voltage: 117Va.c.
The AC/DC Adaptor used for the tests was provided by the applicant with the following details: Two pins (Live / Neutral) only adaptor, Model Number: SHG0720250PU, Input: 120Va.c. 60Hz 300mA, Output: 7.2Vd.c. 250mA

1.3.1 Description of EUT Operation

The Equipment Under Test (EUT) is an X-10 (USA) INC.; 900MHz Wireless Audio/Video Sender. VT50 is a 900MHz transmitter which converts video and stereo audio to 900MHz RF signal. The modulation is FM. Here below are the list of major components and functions.
900MHz transmitter module: a single chip with PLL, RTC6703 , FM modulator for video & audio signals to 900MHz carrier with reference crystal 8MHz.

1.4 Date of Order

2011-04-12

1.5 Submitted Sample(s):

1 Sample

1.6 Test Duration

2011-04-19 to 2011-04-21

1.7 Country of Origin

China

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong
Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 5 of 19

No. : HM166547

2.0 Technical Details

2.1 Investigations Requested

Perform Electromagnetic Interference measurements in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15: 2010 Regulations and ANSI C63.4:2009 for FCC Certification.

2.2 Test Standards and Results Summary Tables

EMISSION Results Summary					
Test Condition	Test Requirement	Test Method	Class / Severity	Test Result	
				Pass	Fail
Field Strength of Fundamental & Harmonics Emissions	FCC 47CFR 15.249	ANSI C63.4:2009	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Emissions	FCC 47CFR 15.209	ANSI C63.4:2009	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conducted Emissions on AC, 0.15MHz to 30MHz	FCC 47CFR 15.207	ANSI C63.4:2009	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Note: N/A - Not Applicable

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 6 of 19

No. : HM166547

3.0 Test Results

3.1 Emission

3.1.1 Radiated Emissions

Test Requirement:	FCC 47CFR 15.249
Test Method:	ANSI C63.4:2009
Test Date:	2011-04-21
Mode of Operation:	Tx mode

Test Method:

The sample was placed 0.8m above the ground plane on a standard radiated emission test site. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. In the frequency range of 9kHz to 30MHz, The center of the loop antenna shall be 1 meter above the ground and rotated loop axis for maximum reading. The emissions worst-case are shown in Test Results of the following pages.

Remark: 3 orthogonal axis apply to hand-held device only.

*: Semi-anechoic chamber located on the G/F of The Hong Kong Standards and Testing Centre Ltd. with a metal ground plane filed with the FCC pursuant to section 2.948 of the FCC rules, with Registration Number: 607756.

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong
Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 7 of 19

No. : HM166547

Spectrum Analyzer Setting:

9KHz – 30MHz (Pk & Av)

RBW: 10kHz
VBW: 30kHz
Sweep: Auto
Span: Fully capture the emissions being measured
Trace: Max. hold

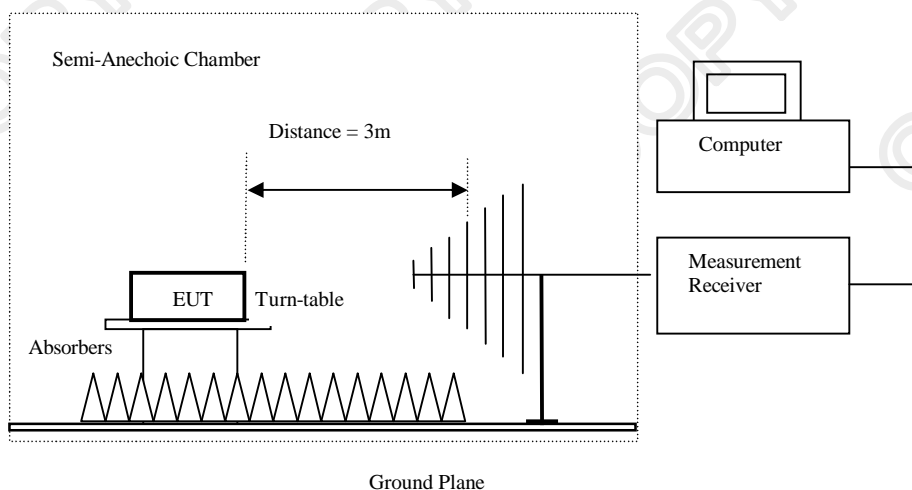
30MHz – 1GHz (QP)

RBW: 120kHz
VBW: 120kHz
Sweep: Auto
Span: Fully capture the emissions being measured
Trace: Max. hold

Above 1GHz (Pk & Av)

RBW: 3MHz
VBW: 3MHz
Sweep: Auto
Span: Fully capture the emissions being measured
Trace: Max. hold

Test Setup:



Absorbers placed on top of the ground plane are for measurements above 1000MHz only.

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 8 of 19

No. : HM166547

Limits for Field Strength of Fundamental & Harmonics Emissions [FCC 47CFR 15.249]:

Frequency Range of Fundamental [MHz]	Field Strength of Fundamental Emission [microvolts/meter]	Field Strength of Harmonics Emission [microvolts/meter]
902-928	50,000 [Average]	500 [Average]
2400-2483.5	50,000 [Average]	500 [Average]

Results of Tx mode: Pass

Field Strength of Fundamental Emissions Quasi-Peak Value						
Frequency MHz	Measured Level @3m dBμV/m	Correction Factor dBμV/m	Field Strength dBμV/m	Field Strength μV/m	Limit @3m μV/m	E-Field Polarity
921.0	72.8	18.5	91.3	36,728.2	50,000	Vertical

Field Strength of Fundamental Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV/m	Correction Factor dBμV/m	Field Strength dBμV/m	Field Strength μV/m	Limit @3m μV/m	E-Field Polarity
1842.0	12.0	26.1	38.1	80.4	50,000	Horizontal
* 2763.0	No Emission Detected				50,000	Horizontal
* 3684.0					50,000	Horizontal
* 4605.0					50,000	Horizontal
5526.0					50,000	Horizontal
6447.0					50,000	Horizontal
* 7368.0					50,000	Horizontal
* 8289.0					50,000	Horizontal
* 9210.0					50,000	Horizontal

Remarks:

No additional spurious emissions found between lowest internal used/generated frequency and 30 MHz

*: Denotes restricted band of operation.

Measurements were made using a peak detector. Any emission less than 1000 MHz and falling within the restricted bands of FCC Rules Part 15 Section 15.205 and the limits of FCC Rules Part 15 Section 15.209 were applied.

Calculated measurement uncertainty : 30MHz to 1GHz 5.2dB
1GHz to 18GHz 5.1dB

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage:www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 9 of 19

No. : HM166547

Limits for Field Strength of Fundamental & Harmonics Emissions [FCC 47CFR 15.249]:

Frequency Range of Fundamental [MHz]	Field Strength of Fundamental Emission [microvolts/meter]	Field Strength of Harmonics Emission [microvolts/meter]
902-928	50,000 [Average]	500 [Average]
2400-2483.5	50,000 [Average]	500 [Average]

Results of Tx mode: Pass

Field Strength of Fundamental Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV/m	Correction Factor dBμV/m	Field Strength dBμV/m	Field Strength μV/m	Limit @3m μV/m	E-Field Polarity
1842.3	8.0	26.1	34.1	50.7	5,000	Vertical
* 2763.0	No Emission Detected				5,000	Vertical
* 3684.0					5,000	Vertical
* 4605.0					5,000	Vertical
5526.0					5,000	Vertical
6447.0					5,000	Vertical
* 7368.0					5,000	Vertical
* 8289.0					5,000	Vertical
* 9210.0					5,000	Vertical

Remarks:

No additional spurious emissions found between lowest internal used/generated frequency and 30 MHz

*: Denotes restricted band of operation.

Measurements were made using a peak detector. Any emission less than 1000 MHz and falling within the restricted bands of FCC Rules Part 15 Section 15.205 and the limits of FCC Rules Part 15 Section 15.209 were applied.

Calculated measurement uncertainty : 30MHz to 1GHz 5.2dB
1GHz to 18GHz 5.1dB

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage:www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03


Page 10 of 19

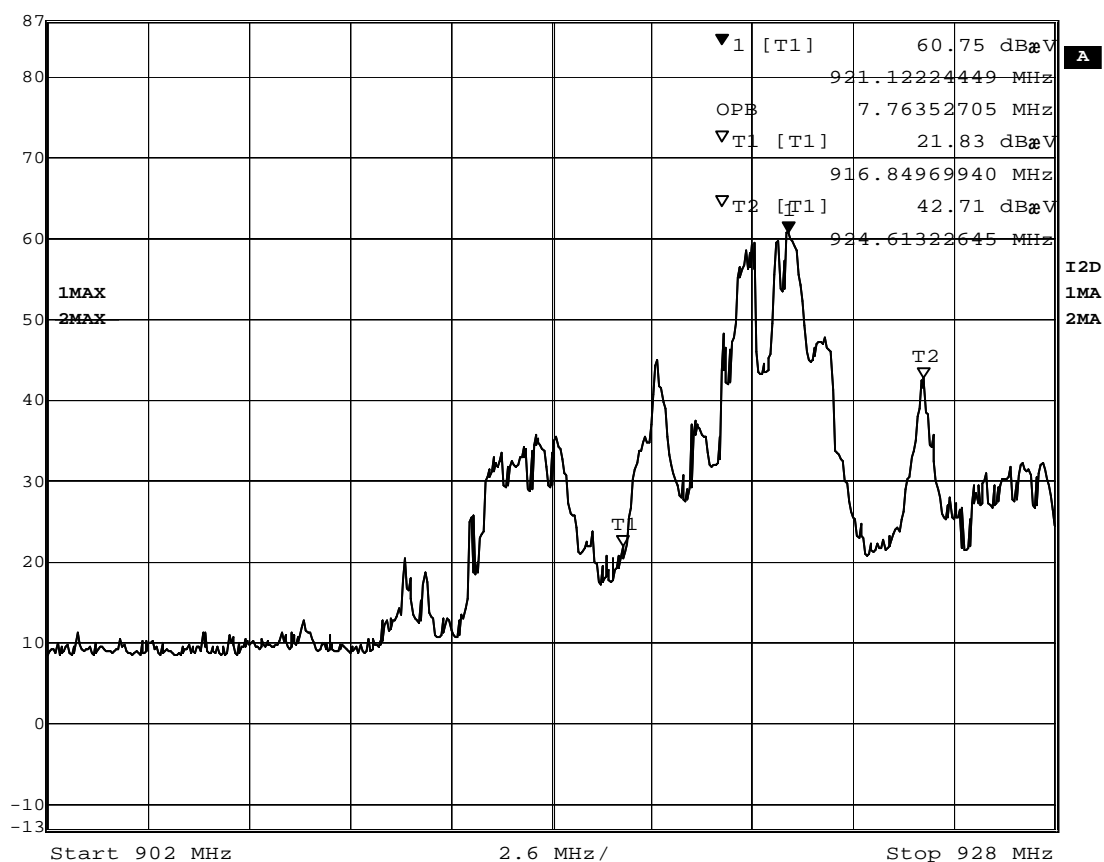
No. : HM166547

Limits for 20dB Bandwidth of Fundamental Emission:

Frequency Range [MHz]	20dB Bandwidth [kHz]
921	7.76

20dB Bandwidth of Fundamental Emission

	Marker 1 [T1]	RBW	30 kHz	RF Att	0 dB
Ref Lvl	60.75 dB μ V	VBW	100 kHz		
87 dB μ V	921.12224449 MHz	SWT	74 ms	Unit	dB μ V



Date: 19.APR.2011 18:23:22

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage

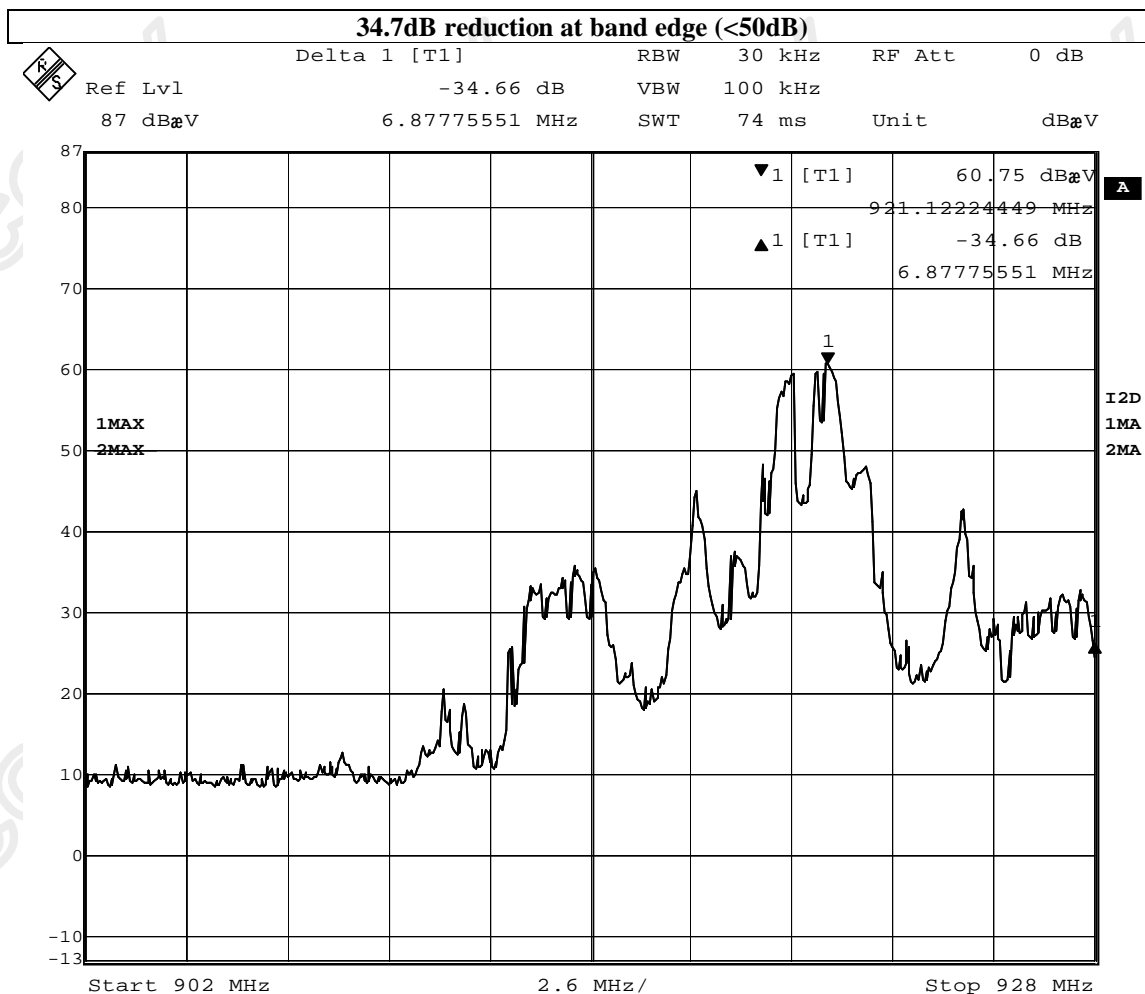


STC Test Report

Date : 2011-05-03

Page 11 of 19

No. : HM166547



Date: 19.APR.2011 18:24:20

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 12 of 19

No. : HM166547

Limits for Radiated Emissions [FCC 47 CFR 15.209]:

Frequency Range [MHz]	Field strength [microvolts/meter]	Measurement distance [meters]
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

Results of Tx on mode (9k – 30MHz): PASS

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Results of Tx on mode (30MHz – 1000MHz): PASS

Field Strength of Spurious Emissions Quasi-Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
46.30	16.9	10.4	27.3	23.2	100.0	Vertical
92.70	6.1	9.0	15.1	5.7	150.0	Vertical
122.70	4.5	9.0	13.5	4.7	150.0	Horizontal
206.40	3.5	11.8	15.3	5.8	150.0	Horizontal
435.20	9.1	18.5	27.6	24.0	200.0	Horizontal
562.30	2.4	21.3	23.7	15.3	200.0	Horizontal
928.10	15.1	25.7	40.8	109.6	200.0	Horizontal

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstdc.org E-mail: hkstdc@hkstdc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 13 of 19

No. : HM166547

Results of Tx on mode (Above 1000MHz): PASS

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dB μ V	Correction Factor dB/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit μ V/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Results of Tx on mode (Above 1000MHz): PASS

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level dB μ V	Correction Factor dB/m	Field Strength dB μ V/m	Field Strength μ V/m	Limit μ V/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Remarks:

Correction Factor includes Antenna Factor and Cable Attenuation.

Calculated measurement uncertainty : 30MHz to 1GHz 5.1dB

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 14 of 19

No. : HM166547

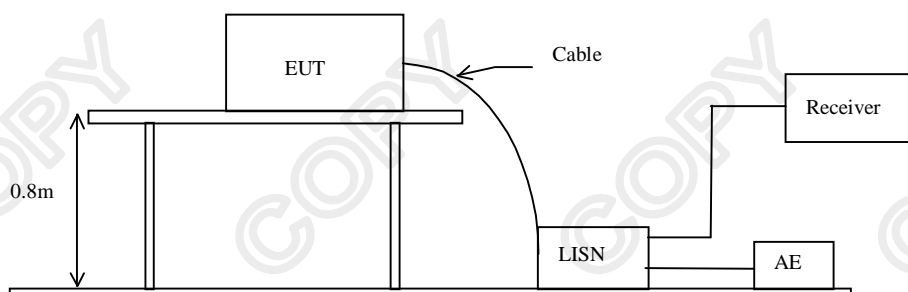
3.1.1 Conducted Emissions (0.15MHz to 30MHz)

Test Requirement: FCC 47CFR 15.207
Test Method: ANSI C63.4:2009
Test Date: 2011-04-19
Mode of Operation: Transmitting mode

Test Method:

The test was performed in accordance with ANSI C63.4: 2009, with the following: an initial measurement was performed in peak and average detection mode on the live line, any emissions recorded within 30dB of the relevant limit line were re-measured using quasi-peak and average detection on the live and neutral lines with the worst case recorded in the table of results.

Test Setup:



The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 15 of 19

No. : HM166547

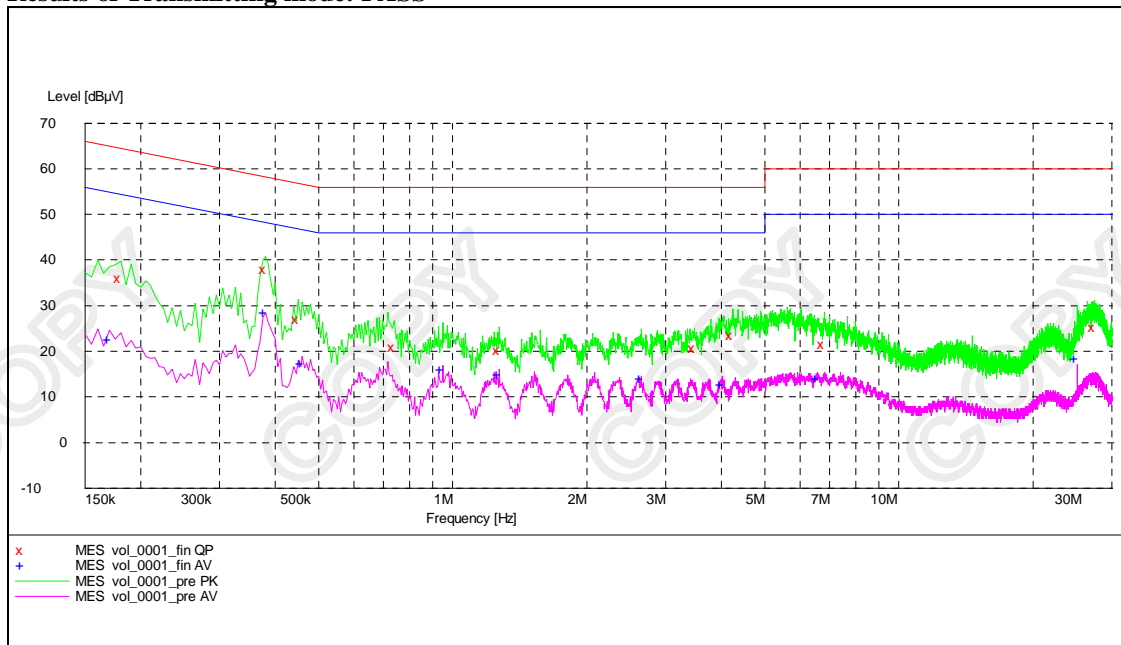
Limit for Conducted Emissions (FCC 47 CFR 15.107):

Frequency Range [MHz]	Quasi-Peak Limits [dBμV]	Average [dBμV]
0.15-0.5	66 to 56*	56 to 46*
0.5-5.0	56	46
5.0-30.0	60	50

* Decreases with the logarithm of the frequency.

Limits for Conducted Emissions Test, please refer to limit lines (Quasi-Peak and Average) in the following diagram.

Results of Transmitting mode: PASS



The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 16 of 19

No. : HM166547

Results of Transmitting mode: PASS

Conductor Live or Neutral	Frequency MHz	Quasi-peak		Average	
		Level dB μ V	Limit dB μ V	Level μ V	Limit μ V
Live	0.170	-*-	-*-	22.6	55.0
Live	0.180	36.1	65.0	-*-	-*-
Live	0.380	38.0	58.0	28.4	48.0
Live	0.450	27.0	57.0	-*-	-*-
Live	0.460	-*-	-*-	17.3	47.0
Live	0.950	-*-	-*-	15.9	46.0
Live	1.270	20.1	56.0	14.8	46.0
Live	2.645	-*-	-*-	14.0	46.0
Live	3.475	20.6	56.0	-*-	-*-
Live	4.015	-*-	-*-	12.7	46.0
Live	6.560	-*-	-*-	14.0	50.0
Live	6.795	21.6	60.0	-*-	-*-
Neutral	0.740	20.8	56.0	-*-	-*-
Neutral	4.240	23.3	56.0	-*-	-*-
Neutral	25.060	-*-	-*-	18.5	50.0
Neutral	27.415	25.2	60.0	-*-	-*-

Remarks:

Calculated measurement uncertainty : 3.97dB

-*- Emission(s) that is far below the corresponding limit line.

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 17 of 19

No. : HM166547

Appendix A

List of Measurement Equipment

Radiated Emission

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL	DUE CAL
EM020	HORN ANTENNA	EMCO	3115	4032	2009/09/02	2011/09/02
EM215	MULTIDEVICE CONTROLLER	EMCO	2090	00024676	N/A	N/A
EM216	MINI MAST SYSTEM	EMCO	2075	00026842	N/A	N/A
EM217	ELECTRIC POWERED TURNTABLE	EMCO	2088	00029144	N/A	N/A
EM218	ANECHOIC CHAMBER	ETS-Linggren	FACT-3	--	2008/12/01	2011/12/01
EM174	BICONILOG ANTENNA	EMCO	3142B	1671	2010/02/09	2012/02/09
EM229	EMI Test Receiver	R&S	ESIB40	100248	2010/11/02	2011/11/02
EM022	LOOP ANTENNA	EMCO	6502	1189-2424	2009/07/26	2011/07/26

Line Conducted

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL	DUE CAL
EM197	LISN	EMCO	4825/2	1193	2010/10/13	2011/10/13
EM181	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESIB7	100072	2010/07/01	2011/07/01
EM154	SHIELDING ROOM	SIEMENS MATSUSHITA COMPONENTS	N/A	803-740-057- 99A	2011/01/23	2012/01/23

Remarks:-

CM Corrective Maintenance

N/A Not Applicable

TBD To Be Determined

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

Date : 2011-05-03

Page 18 of 19

No. : HM166547

Appendix B

Photographs of EUT

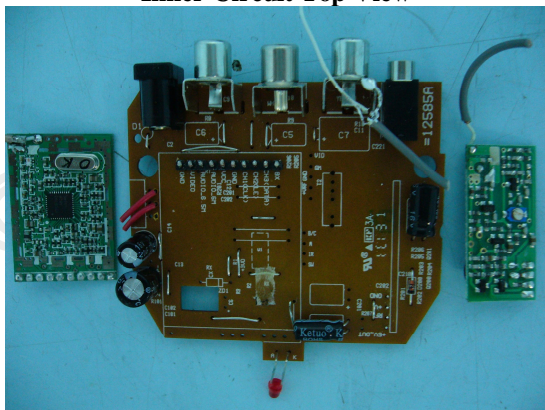
Front View of the product



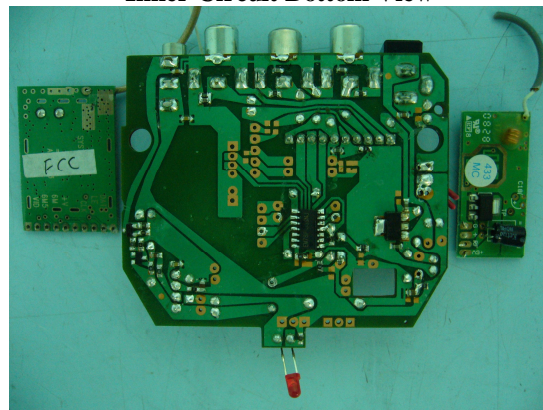
Rear View of the product



Inner Circuit Top View



Inner Circuit Bottom View



The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage



STC Test Report

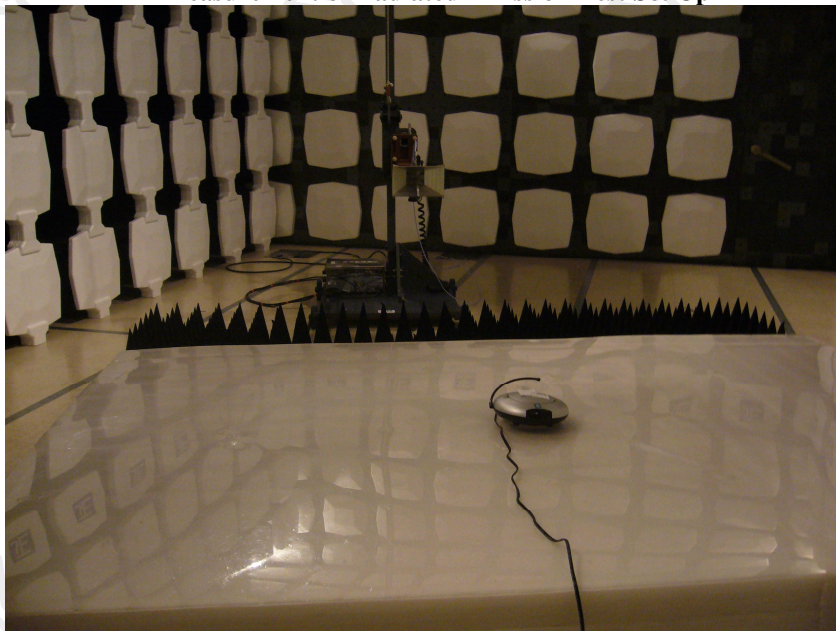
Date : 2011-05-03

Page 19 of 19

No. : HM166547

Photographs of EUT

Measurement of Radiated Emission Test Set Up



Measurement of Conducted Emission Test Set Up



******* End of Test Report *******

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2664 4353 Homepage: www.hkstc.org E-mail: hkstc@hkstc.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Ltd
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage