

EMI TEST REPORT

On Model Name: Analog Telephone Adaptor
Model Number: HT802
Brand Name: Grandstream
Prepared for Grandstream Networks, Inc.
FCC ID Number: YZZHT802
According to FCC 47 CFR Part 15, Subpart B
Test Report #: SHE-1502-11288-FCC
Prepared by: ECMG Nancy Han /Assistant Company Name
Reviewed by: ECMG Jawen Yin/ Senior Engineer Company Name
QC Manager: ECMG Swall Zhang/QC Manager Company Name
Test Report Released by: Swell Zhang February 9th, 2015 Swall Zhang Date

Test Location

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

Test Site Location : Galanz

25 South Ronggui

Rd., Shunde,

Foshan, Guangdong, China

Tel : (86)-757-23612785

Fax : (86)-757-23612537

Test Facility

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

- CNAL LAB Code: L2244
 Galanz 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.: 580210 Galanz 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.
- IC Registration No.: 8801A The Laboratory is registered to perform emission tests with Industry Canada (IC), and the registration number is 8801A.

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List Attached Files

Exhibit Type	File Description	File Name
Test Report	Test Report	YZZHT802 _Test Report.pdf
Operation Description	Technical Description	YZZHT802 _Operation description.pdf
External Photos	External Photos	YZZHT802 _External Photos
Internal Photos	Internal Photos	YZZHT802 _Internal Photos
Block Diagram	Block Diagram	YZZHT802 _Block Diagram.pdf
Schematics	Circuit Diagram	YZZHT802 _Schematics.pdf
ID Label/Location	Label and Location	YZZHT802 _Label & Location.pdf
User Manual	User Manual	YZZHT802 _User Manual.pdf
Test setup photos	Test set-up photos	YZZHT802 _Test Set-up Photos

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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 : Analog Telephone Adaptor

Model Numbers : HT802

Model Tested : HT802

Date of Received : Feb. 4th, 2015

Date Tested : Feb. 4th, 2015

Applicant : Grandstream Networks, Inc.

Address 5F, Bldg #1, No.2 Kefa Rd., Science &

Technology Park, Shenzhen, China

Telephone : (86)-755-26014600

Fax : (86)-755-26014601

Manufacturer : Grandstream Networks, Inc.

Address 5F, Bldg #1, No.2 Kefa Rd., Science &

Technology Park, Shenzhen, China

Telephone : (86)-755-26014600

Fax : (86)-755-26014601

Factory : Grandstream Networks, Inc.

Address 5F, Bldg #1, No.2 Kefa Rd., Science &

Technology Park, Shenzhen, China

Telephone : (86)-755-26014600

Fax : (86)-755-26014601

EUT Description

Grandstream Networks, Inc. Model Tested HT802 (referred to as the EUT in this report) is an Analog Telephone Adaptor.

Technical specifications are as belows:

Parameter		Ranges
Basic	Rated voltage	5.0V
parameters	Rated Current	1.0A
	Internet Port (RJ- 45)	Connect to network or PC
I/O Ports	2 RJ11 FXS port	Used to connect to analog phones / fax machines
	Power	Micro USB 5V 1A
	Input	AC 100–240 V 50/60 Hz 0.15A max
Power	Output	DC 5V, 1.0A, UL, FCC certified
Adapter #1	Model	PCF-0500100AV
	Brand name	Mass power
	Input	100-240VAC 50/60Hz 0.2A
Power	Output	5VDC,1.0A
Adapter #2	Model	R60UC0500100A
	Brand name	Sunlight

Note: For other informations & features please refer to user's manual of EUT.

Frequency Range Of Radiated Measurements

- (b) For unintentional radiators:
- (1) Except as otherwise indicated in paragraphs (b)(2) or (b)(3) of this section, for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30.
1.705-108	1000.
108-500	2000.
500-1000	5000.
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower.

Note: Since the highest frequency operated of the EUT is 400MHz, so upper frequency of radiated emission test is up to 2GHz as per $\S15.33(b)(1)$.

Test Summary

The Electromagnetic Compatibility requirements on model HT802 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	
FCC Part 15.107 ANSI C63.4 -2009	Conducted Emission	Passed	AC Input Port	Attachment 1	
FCC Part 15.109 ANSI C63.4 -2009	Radiated Emission	Passed	Enclosure	Attachment 2	

Test Mode Justification

Pre-Scan has been conducted to determine the worst-case from all possible combination between available operation mode .Following mode(s) was (were) selected for the final test as listed below:

Pre-Test Mode	
	Mode 1: Communication with PC&Analog Telephone + Mass Power (Model: PCF-0500100AV)
EMI Test Mode	Mode 2: Communication with PC&Analog Telephone + Sunlight Power (Model: R60UC0500100A)
	No PoE Mode
Final Test Mode	
	Mode 1: Communication with PC&Analog Telephone + Mass Power (Model: PCF-0500100AV)
EMI Test Mode	Mode 2: Communication with PC&Analog Telephone + Sunlight Power (Model:R60UC0500100A)

EUT Exercise Software

No test software support this test.

Equipment Modification

Any modifications installed previous to testing by Grandstream Networks, Inc. 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).

EUT Sample Photos

EUT Model: HT802



EUT- Front View



EUT- Rear View



EUT- Top View



EUT- Bottom View



EUT-Left Side View



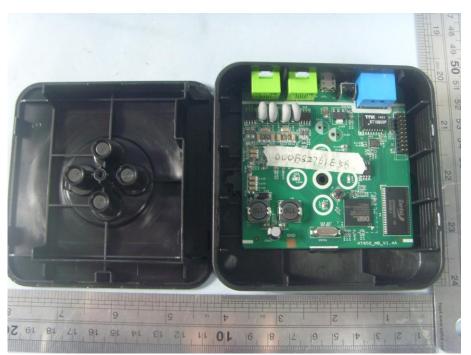
EUT- Sight Side View



Power Adapter #1 View(Manufacturer: Mass power)



Power Adapter #2 View(Manufacturer: Sunlight)



EUT-Uncovered View



Mother board- Top View



Mother board-Bottom View

Test System Details

EUT

Model Number:

HT802

Model Tested:

HT802

Description:

Analog Telephone Adaptor

Input:

AC 120V/60Hz

Manufacturer:

Grandstream Networks, Inc.

Sun	nort	Equi	nma	nt
Зир	ρυιι	ции	pme	.,,,

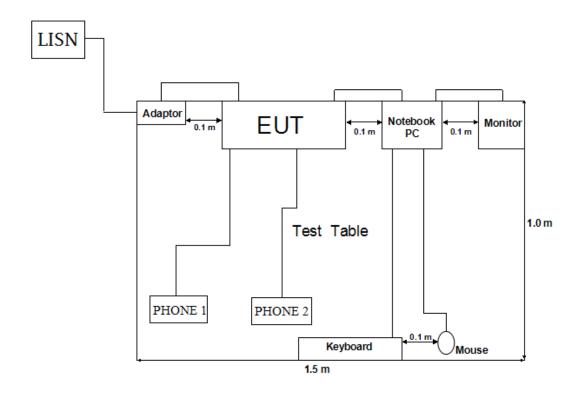
Description	iption Model Number Serial Number		Manufacturer	
Notebook COMPUTER	NV57H03c- 2412G64Mnc2s	LXWZ401001125109 201601	Gateway	
Mouse	MO32B0	23-033131	IBM	
Keyboard	Ceyboard SK-1788		LENOVO	
Monitor	TFT1780PS		AOC	
ANALOG TELEPHONE	HCD007(33)TSDL		ВВК	

Cable Description					
Description	From	То	Length (Meters)	Shielded (Y/N)	Ferrite (Y/N)
Power Adapter Cord Of Notebook Computer	Power Adapter	Notebook COMPUTER	1.6	N	Υ
	AC Plug	Power Adapter	1.2	N	Υ
Mouse Cord	Mouse	Notebook COMPUTER	1.2	N	Υ
Keyboard Cord	keyboard	Notebook COMPUTER	1.2	N	Υ
RJ-45 Cord	EUT	Notebook COMPUTER	1.5	N	N
Power Adapter Cord Of EUT	EUT	Plug	1.8	N	N

Note: The "EUT" means "Analog Telephone Adaptor".

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

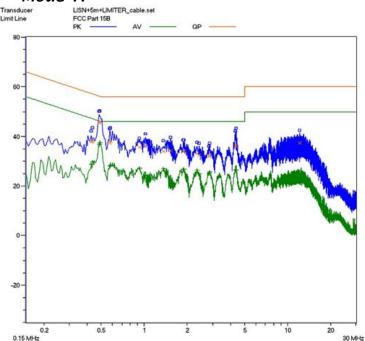


ATTACHMENT 1 - CONDUCTED EMISSION TEST RESULTS

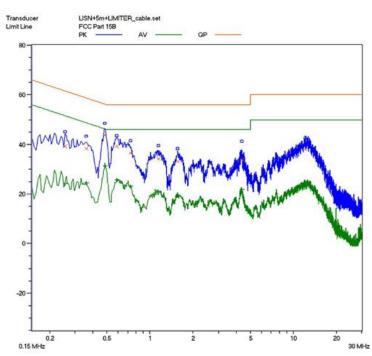
			Γ		
CLIENT:	Grandstream Networks, Inc.	TEST STANDERD:	Section 15.107		
MODEL NUMBERS:	HT802	PRODUCT:	Analog Telephone Adaptor		
MODEL TESTED:	HT802	EUT DESIGNATION:	Home or Office		
TEMPERATURE:	22°C	HUMIDITY:	48%		
ATM PRESSURE:	103kPa	GROUNDING:	None		
TESTED BY:	Daomen	DATE OF TEST:	Feb. 4 th , 2015		
TEST REFERENCE:	ANSI C63.4- 2009				
TEST PROCEDURE:	emissions. The measurement peak scan was made at the fre peaks were then marked, and	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 MODE:	Mode 1,Mode 2				
TEST SET UP:	Rear of EUT to be flushed with rear of table top Receiver Soor RF Cable Bonded to horizontal ground plane AMN = Artificial mains network (LISN) AE = Associated equipment EUT = Equipment under test ISN = Impedance stabilization network				
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 in Corp(Shenzhen) test personne		echnical Testing		
M. UNCERTAINTY:	Freq. ± 2x10 ⁻⁷ x Center Freq.,	Amp ± 2.6 dB			

FCC Test Report #: SHE-1502-11288-FCC Prepared for Grandstream Networks, Inc. Prepared by ECMG Electronic Technical Testing Corp (Shenzhen)

Mode 1:

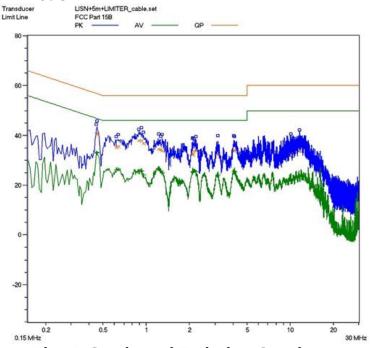


Line L Conducted Emission Graph

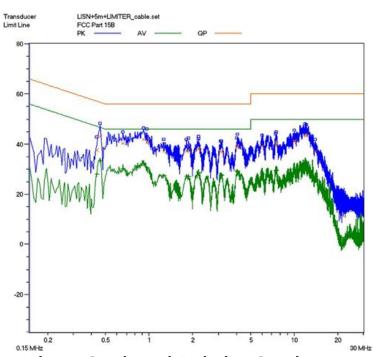


Line N Conducted Emission Graph

Mode 2:



Line L Conducted Emission Graph



Line N Conducted Emission Graph

Test Data: Mode 1:

Lines (L/N)	Frequency (MHz)	Correcte d QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AV Level (dBuV)	Limits AV (dBuV)	Margin QP (dB)
L	0.490	46.2	56.2	-10.0	0.490	37.4	46.2	-8.8
L	4.675	43.7	56	-12.3	4.675	30.1	46	-15.9
L	4.730	43.4	56	-12.6	4.730	30.3	46	-15.7
N	0.185	45.8	64.3	-18.5	0.185	24.0	54.3	-30.3
N	0.485	43.8	56.3	-12.5	0.485	31.4	46.3	-14.9
N	0.585	39.2	56	-16.8	0.585	25.7	46	-20.3

Note:

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

Mode 2:

Lines (L/N)	Frequency (MHz)	Correcte d QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AV Level (dBuV)	Limits AV (dBuV)	Margin QP (dB)
L	0.455	40.8	56.8	-16.0	0.455	33.1	46.8	-13.7
L	4.675	43.1	56	-12.9	4.675	30.0	46	-16.0
L	4.730	43.4	56	-12.6	4.730	30.3	46	-15.7
N	0.185	45.1	64.3	-19.2	0.185	23.7	54.3	-30.6
N	0.920	42.1	56	-13.9	0.920	32.1	46	-13.9
N	11.905	43.8	60	-16.2	11.905	31.9	50	-18.1

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

Test Equipment List:

Test Equipment	Model No.	Manufacturer	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	SMR4503	SCHAFFNER	11725	2014.07.08	2015.07.08
Line impedance stabilization network	ESH2-Z5	R&S	/	2014.03.14	2015.03.13

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated.

COMPANY NAME

TESTED	BY:	Lamen	GALANZ
		ENGINEER	COMPANY NAME
		James Jiv	
REVIEWI	ED BY		ECMG

SENIOR ENGINEER



Conducted Emission Test Set-up -Front view

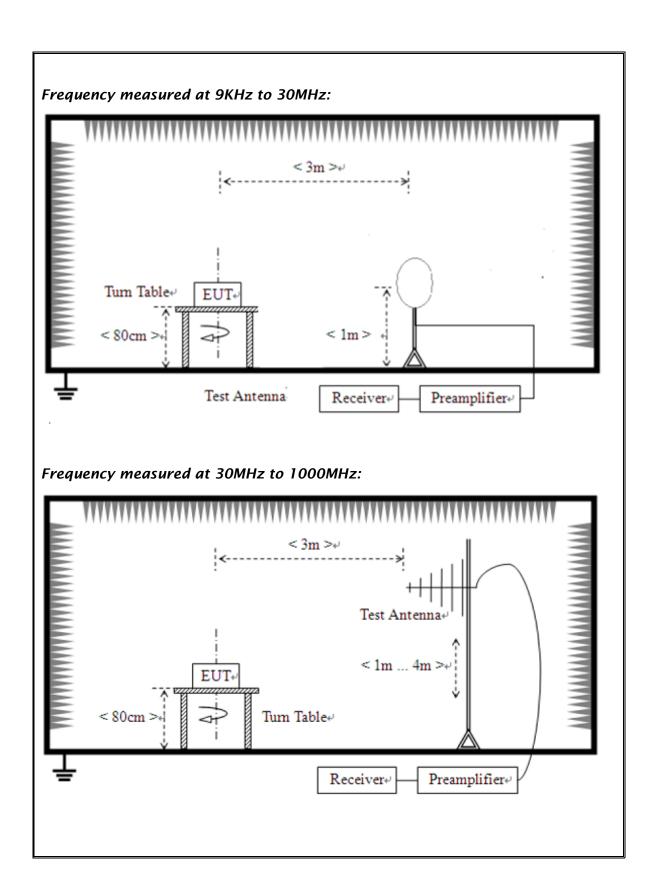


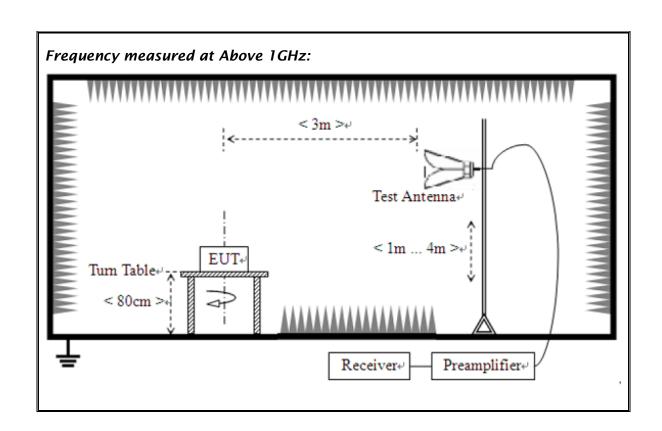
Conducted Emission Test Set-up -Rear view

ATTACHMENT 2 - RADIATED EMISSION MEASUREMENT

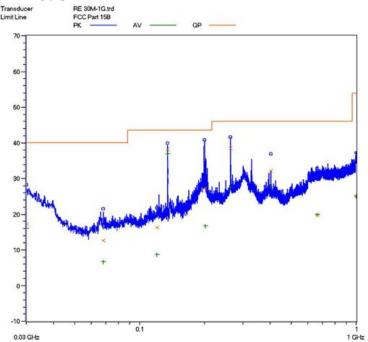
CLIENT:	Grandstream Networks, Inc.	TEST STANDERD:	Section 15.109		
MODEL NUMBERS:	HT802	PRODUCT:	Analog Telephone Adaptor		
EUT MODEL:	HT802	EUT DESIGNATION:	Home or Office		
TEMPERATURE:	22°C	HUMIDITY:	47%RH		
ATM PRESSURE:	103.0kPa	GROUNDING:	None		
TESTED BY:	Daomen	DATE OF TEST:	Feb. 4, 2015		
TEST REFERENCE:	ANSI C63.4: 2009				
	emissions. An EMI receiver pea range (pre-scan) in an Anechoid and the significant peaks marke	o the guidelines of ANSI C63.4: 2009 for radiated k scan was made at the frequency measurement chamber.signal discrimination was then performed d.these peaks were then quasi-peaked in the GHz and average and peak in the frequency range of namber.			
TEST PROCEDURE:	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:				
	FS= RA + AF + CF - AG				
	Where: FS = Field Strength				
	RA = Receiver Amplitude				
	AF = Antenna Factor				
	CF = Cable Attenuation Factor				
	AG = Amplifier Gain				
TEST MODE:	Mode 1,Mode 2				
TESTED RANGE:	9KHz to 30MHz and 30 to 2000	MHz			
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. ± 2x10 ⁻⁷ x Center Freq., A	mp ± 3.6 dB			
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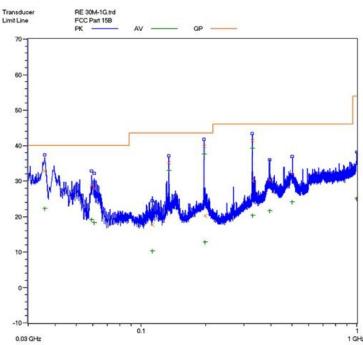




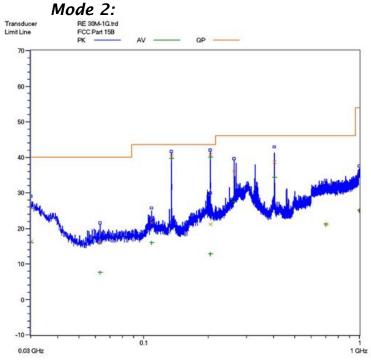
Mode 1:



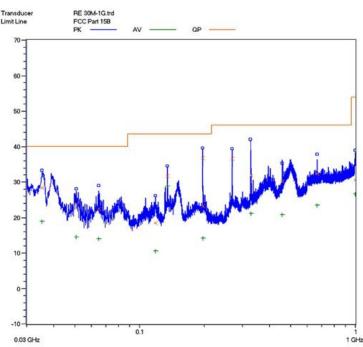
Horizontal: Radiated Emission Test Plot -(30-1000MHz)



Vertical: Radiated Emission Test Plot (30-1000MHz)



Horizontal: Radiated Emission Test Plot -(30-1000MHz)



Vertical: Radiated Emission Test Plot (30-1000MHz)

Test Data:

Pre-scan has been conducted to determine the worst-case from all possible combinations between available operation mode. The worst-case is mode 1 was selected for the final testing.

Mode 1:

Test No.#:	Frequency (MHz)	Factor (dB)	Reading Level QP (dBuV/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	/	/	/	/	/	/
2	/	/	/	/	/	/
3	/	/	/	/	/	/
4	/	/	/	/	/	/
5	/	/	/	/	/	/
6	/	/	/	/	/	/

- 1. The field strength is calculated by adding the antenna factor, cable factor. The basic equation with a sample calculation is as follows: Emission Level =Reading Level +Factor.
- 2. The limits shown are based on quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. the bandwidth of Test Receiver was set at 200Hz in frequency range of 9KHz to 150KHz, 9kHz in the frequency range of 150KHz to 30MHz.
- 3. All emission levels in the frequency range of 9KHz to 30MHz are 20dB below the official limits that are not reported.

Test Data:
Mode 1&Below 1GHz:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Preamp Factor (dB)	Reading Level QP (dBuV/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)					
	Horizontal											
133.151	0.02	7.6	/	32.18	39.8	43.5	-3.7					
199.986	0.1	6.8	/	32.00	38.9	43.5	-4.6					
266.609	0.12	12.6	/	31.76	44.5	46	-1.5					
/	/	/	/	/	/	/	/					
/	/	/	/	/	/	/	/					
/	/	/	/	/	/	/	/					
			Ver	tical								
133.200	0.02	7.6	/	30.46	38.1	43.5	-5.4					
201.393	0.1	7.1	/	32.70	39.9	43.5	-3.6					
266.010	0.12	12.6	/	29.48	41.4	46	-4.6					
/	/	/	/	/	/	/	/					
/	/	/	/	/	/	/	/					
/	/	/	/	/	/	/	/					

- 1. 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.
- 2. 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.
- 3. The other emission levels are 20dB below the official limits that are not reported.

Mode 1&Above 1GHz:

Frequency (GHz)	Cable Loss (dB)	Antenna Factor (dB)	Preamp Factor (dB)	Reading Level (dBuV/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Polarizati on (H/V)					
	Peak Measurement												
1.166	1.40	23.9	-33.6	53.97	45.67	74	-28.33	Н					
1.190	1.45	24.5	-33.6	54.37	46.72	74	-27.28	Н					
1.325	1.57	25.1	-33.6	55.29	48.36	74	-25.64	Н					
1.360	1.58	25.1	-33.6	54.2	47.28	74	-26.72	V					
1.455	1.65	25.7	-33.6	55.64	49.39	74	-24.61	V					
1.585	1.76	26.7	-33.0	54.55	50.01	74	-23.99	V					
			Averag	e Measu	irement								
1.166	1.40	23.9	-33.6	47.04	38.74	54	-15.26	Н					
1.190	1.45	24.5	-33.6	49.75	42.10	54	-11.90	Н					
1.325	1.57	25.1	-33.6	46.94	40.01	54	-13.99	Н					
1.360	1.58	25.1	-33.6	46.58	39.66	54	-14.34	V					
1.455	1.65	25.7	-33.6	48.97	42.72	54	-11.28	V					
1.585	1.76	26.7	-33.0	44.64	40.10	54	-13.9	V					

- 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.

Mode 2&Below 1GHz:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Preamp Factor (dB)	Reading Level QP (dBuV/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)					
	Horizontal											
133.151	0.02	7.6	/	32.58	40.2	43.5	-3.3					
268.720	0.13	13.4	/	28.37	41.9	46	-4.1					
266.720	0.13	13.4	/	28.37	41.9	46	-4.1					
/	/	/	/	/	/	/	/					
/	/	/	/	/	/	/	/					
/	/	/	/	/	/	/	/					
			Ver	tical								
134.559	0.02	7.6	/	30.88	38.5	43.5	-5.0					
199.986	0.1	6.8	/	34.40	41.3	43.5	-2.2					
268.485	0.13	13.4	/	28.37	41.9	46	-4.1					
663.840	0.36	22.2	/	12.74	35.3	46	-10.7					
/	/	/	/	/	/	/	/					
/	/	/	/	/	/	/	/					
/	/	/	/	/	/	/	/					

- 1. 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.
- 2. 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.
- 3. The other emission levels are 20dB below the official limits that are not reported.

Mode 2&Above 1GHz:

Frequency (GHz)	Cable Loss (dB)	Antenna Factor (dB)	Preamp Factor (dB)	Reading Level (dBuV/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Polarizati on (H/V)				
	Peak Measurement											
1.166	1.40	23.9	-33.6	53.97	45.67	74	-28.33	Н				
1.190	1.45	24.5	-33.6	54.37	46.72	74	-27.28	Н				
1.325	1.57	25.1	-33.6	55.29	48.36	74	-25.64	Н				
1.360	1.58	25.1	-33.6	54.2	47.28	74	-26.72	V				
1.455	1.65	25.7	-33.6	55.64	49.39	74	-24.61	V				
1.585	1.76	26.7	-33	54.55	50.01	74	-23.99	V				
			Averag	e Measu	rement							
1.166	1.40	23.9	-33.6	47.04	38.74	54	-15.26	Н				
1.190	1.45	24.5	-33.6	49.75	42.10	54	-11.9	Н				
1.325	1.57	25.1	-33.6	46.94	40.01	54	-13.99	Н				
1.360	1.58	25.1	-33.6	46.58	39.66	54	-14.34	V				
1.455	1.65	25.7	-33.6	48.97	42.72	54	-11.28	V				
1.585	1.76	26.7	-33	44.64	40.10	54	-13.9	V				

- 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:

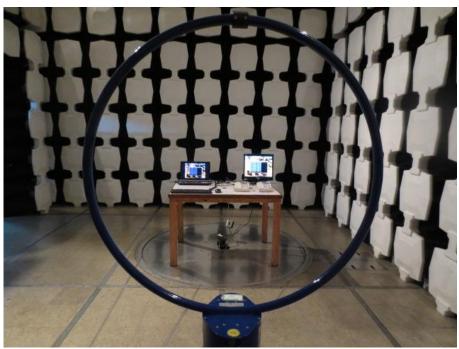
Test Equipment	Model No.	Manufacturer	Serial No.	Last Cal.	Cal. Due
EMI Test Receiver	SMR4503	SCHAFFNER	11725	2014.07.08	2015.07.07
Double-ridged Wave guide horn	3115	ETS	6587	2014.08.02	2015.08.01
Microwave system amplifier	83017A	Agilent	MY39500438	2014.07.11	2015.07.10
Biconilog Antenna	3142C	ETS	00042672	2014.09.28	2015.09.27
Band-pass Filter	BRM50702	Micro-Tronic	S/N-030	2014.11.30	2015.11.29
Spectrum Analyzer	FSP30	R&S	100755	2014.11.30	2015.11.29
HF Loop Antenna	HLA6120	TESEQ	26348	2014-10-11	2015-10-12

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated.

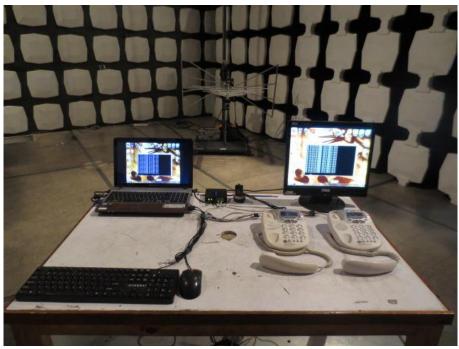
TESTED	BY:	Lamen	GALANZ
		ENGINEER	COMPANY NAME

REVIEWED BY:
SENIOR ENGINEER

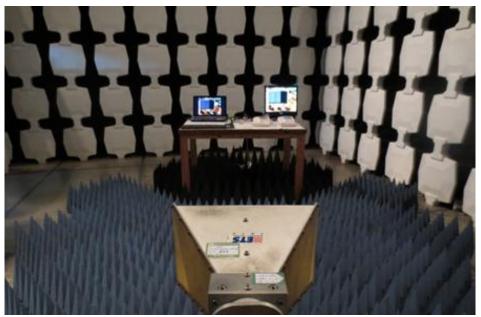
COMPANY NAME



Radiated Emission Test Set-up(9KHz-30MHz)



Radiated Emission Test Set-up(30-1000MHz)



Radiated Emission Test Set-up(Above 1GHz)



Radiated Emission Test Set-up (Rear View)

*** End Of Report ***