

Test Report of FCC CFR 47 Part 15 Subpart B

On Behalf of

SAPPHIRE TECHNOLOGY LIMITED

Product description: NETTOP
Model No.: EDGE HD
Supplementary Model: EDGE HD2
FCC ID: QPK-EDGEHD

Prepared for: **SAPPHIRE TECHNOLOGY LIMITED**

Unit 1909 – 1919, 19/F., Tower 2, Grand Central Plaza, 138 Shatin
Rural Committee Road, Shatin, N.T., Hong Kong

Prepared by: **Bontek Compliance Testing Laboratory Co., Ltd**

1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road,
Nanshan, Shenzhen, China

Tel: 86-755-86337020

Fax: 86-755-86337028

Report No.: BCT12JR-1841E-2

Issue Date: October 25, 2012

Test Date: October 18~25, 2012

Test by:

Reviewed By:



Vincent Jiang



Kevin Chi

TABLE OF CONTENTS

1. GENERAL INFORMATION.....	3
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	3
1.2 TEST STANDARDS	4
1.3 TEST FACILITY	4
2. SYSTEM TEST CONFIGURATION	5
2.1 EUT CONFIGURATION	5
2.2 EUT EXERCISE	5
2.3 GENERAL TEST PROCEDURES	5
2.4 MEASUREMENT UNCERTAINTY	5
2.5 LIST OF MEASURING EQUIPMENTS USED	6
3. SUMMARY OF TEST RESULTS.....	7
4. TEST OF AC POWER LINE CONDUCTED EMISSION	8
4.1 LIMIT OF AC POWER LINE CONDUCTED EMISSION	8
4.2 EUT SETUP	8
4.3 INSTRUMENT SETUP	9
4.4 TEST PROCEDURE	9
4.5 TEST RESULT	9
5 - RADIATED DISTURBANCES	14
5.1 LIMIT OF RADIATED DISTURBANCES	14
5.2 EUT SETUP	14
5.3 TEST RECEIVER SETUP	15
5.4 TEST PROCEDURE	15
5.5 CORRECTED AMPLITUDE & MARGIN CALCULATION	15
5.6 RADIATED EMISSIONS TEST RESULT	15

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: **SAPPHIRE TECHNOLOGY LIMITED**
Address of applicant: Unit 1909 – 1919, 19/F., Tower 2, Grand Central Plaza, 138 Shatin Rural Committee Road, Shatin, N.T., Hong Kong
Manufacturer: **QINGBANG ELECTRON (SHENZHEN) CO.,LTD.**
Address of manufacturer: Waijing Industry Workshop,5th Industrial Zone,Nanshan District, Shenzhen , Guangdong ,China(Mainland).

General Description of E.U.T

Items	Description
EUT Description:	NETTOP
Trade Name:	N/A
Model No.:	EDGE HD
Supplementary Model:	EDGE HD2
Frequency Band:	IEEE 802.11b/g, IEEE 802.11n HT20 (DTS Band) : 2412MHz~2462MHz, IEEE 802.11n HT40 (DTS Band) : 2422MHz~2452MHz
Channel Spacing:	IEEE 802.11b/g, 802.11n HT20/HT40: 5MHz
Number of Channels:	IEEE 802.11b/g, 802.11n HT20:11 Channels IEEE 802.11n HT40 :7 Channels
Transmit Data Rate:	maximum of 300Mbps
Type of Modulation:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20/40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Type:	Built-in Antenna
Antenna Gain:	1dB
Power Supply:	Input: 19V DC 3.42A
Adapter description:	Model: MN-A065-H190 Input:100-240V 1.5A max 50/60Hz Output: 19V DC 3.42A

** The test data gathered are from the production sample provided by the manufacturer.*

1.2 Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with FCC Rules and Regulations Part 15 Subpart B 2006

The objective of the manufacturer is to demonstrate compliance with the described above standards.

1.3 Test Facility

All measurement required was performed at laboratory of Bontek Compliance Testing Laboratory Ltd at 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China.

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

FCC – Registration No.: 338263

BONTEK COMPLIANCE TESTING LABORATORY LTD. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 338263, March 03, 2011.

IC Registration No.: 7631A

The 3m alternate test site of BONTEK COMPLIANCE TESTING LABORATORY LTD. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 7631A on January 25, 2011.

CNAS - Registration No.: L3923

BONTEK COMPLIANCE TESTING LABORATORY LTD. to ISO/IEC 17025:25 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing. The acceptance letter from the CNAS is maintained in our files: Registration: L3923, March 22, 2012.

TUV - Registration No.: UA 50203122-0001

BONTEK COMPLIANCE TESTING LABORATORY LTD. An assessment of the laboratory was conducted according to the "Procedures and Conditions for EMC Test Laboratories" with reference to EN ISO/IEC 17025 by a TUV Rheinland auditor. Audit Report NO. 17010783-002.

2. SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The calibrated antennas used to sample the radiated field strength are mounted on a non-conductive, motorized antenna mast 3 or 10 meters from the leading edge of the turntable.

2.3 General Test Procedures

Conducted Emissions: The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 7.1 of ANSI C63.4-2003 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak detector mode.

Radiated Emissions: The EUT is placed on a turntable, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4-2009.

2.4 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Power Line Conducted Emission	+/- 2.3 dB
Radiated Emission	+/- 3.4 dB

Uncertainty figures are valid to a confidence level of 95%.

2.5 List of Measuring Equipments Used

Test equipments list of Shenzhen Bontek Compliance Testing Laboratory Co., Ltd.

No.	Equipment	Manufacturer	Model No.	S/N	Calibration date	Calibration due date
1	EMI Test Receiver	R&S	ESCI	100687	2012-4-6	2013-4-5
2	EMI Test Receiver	R&S	ESPI	100097	2012-7-25	2013-7-24
3	Amplifier	HP	8447D	1937A02492	2012-4-6	2013-4-5
4	Single Power Conductor Module	FCC	FCC-LISN-5-50-1-01-CISPR25	07101	2012-4-6	2013-4-5
5	Single Power Conductor Module	FCC	FCC-LISN-5-50-1-01-CISPR25	07102	2012-4-6	2013-4-5
6	Positioning Controller	C&C	CC-C-1F	MF7802113	N/A	N/A
7	Signal generator	Rhode & Schwarz	SMIQ 03HD + option SM-B1, SMIQB11, SMIQB12, SMIQB14, SMIQB17, SMIQB20	1125.5555.46	2012-4-6	2013-4-5
8	GSM system simulator	Rhode & Schwarz	CMU200 + option K20, K21, K22, K23, K24, K27, K28, K29, K42, K65, B12, B41, B52, B66, B56	1100.0008.34	2012-4-6	2013-4-5
9	GSM system simulator	Agilent	8960 Series 10 E1985A + GSM_AMPS	B.01.76 GB42450443	2012-4-6	2013-4-5
10	Spectrum Analyzer	Agilent	E4404B	US41192833	2012-4-6	2013-4-5
11	6dB Attenuator	Atten	Attenuator	DC-4GHz	2012-4-6	2013-4-5
12	Digital Multimeter	Fluke	15B	91280239	2012-4-6	2013-4-5
13	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2012-4-10	2013-4-9
14	Horn Antenna	SCHWARZBECK	BBHA9120A	0499	2011-11-28	2012-11-27
15	Active Loop Antenna	DAZE	ZN30900A	1200	2012-4-6	2013-4-6
16	9kHz-2.4GHz signal generator 2024	MARCONI	10S/6625-99-457-8730	112260/042	2012-4-6	2013-4-5
17	10dB attenuator	ELECTRO-METRICS	EM-7600	836	2012-4-6	2013-4-5
18	Spectrum Analyzer	R&S	FSP	100397	2011-11-2	2012-11-1
19	Broadband preamplifier	SCHWARZBECK	BBV9718	9718-182	2012-4-6	2013-4-5
20	Temperature & Humidity Chamber	TOPSTAT	TOS-831A	3438A05208	2012-4-6	2013-4-5

3. SUMMARY OF TEST RESULTS

Standard	Test Items	Result
FCC Part 15 Subpart B	Conduction Emission, 0.15MHz to 30MHz	Pass
FCC Part 15 Subpart B	Radiation Emission, 30MHz to 1000MHz	Pass

4. TEST OF AC POWER LINE CONDUCTED EMISSION

4.1 Limit of AC Power Line Conducted Emission

Frequency Range (MHz)	Limits (dBuV)	
	Quasi-Peak	Average
0.150~0.500	66~56	56~46
0.500~5.000	56	46
5.000~30.00	60	50

4.2 EUT Setup

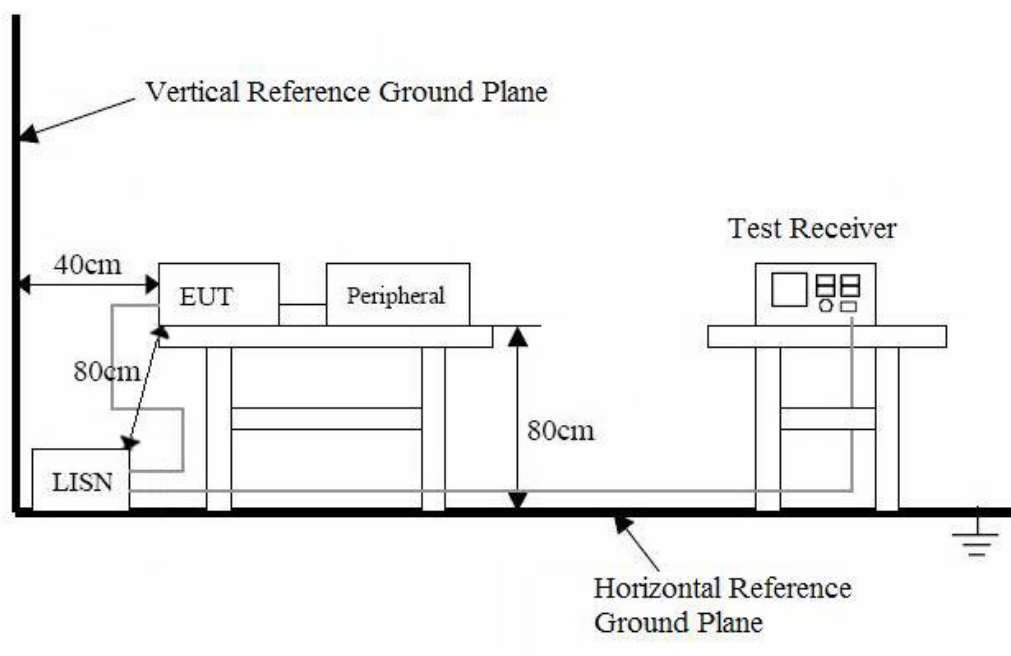
The setup of EUT is according with ANSI C63.4-2003 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B limits.

The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.



Remark: The EUT was connected to a 120VAC/ 60Hz power source.

4.3 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range.....150 KHz to 30 MHz
Detector.....Peak & Quasi-Peak & Average
Sweep Speed.....Auto
IF Band Width.....9 KHz

4.4 Test Procedure

During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB μ V of specification limits). Quasi-peak readings are distinguished with a "QP". Average readings are distinguished with a "AV".

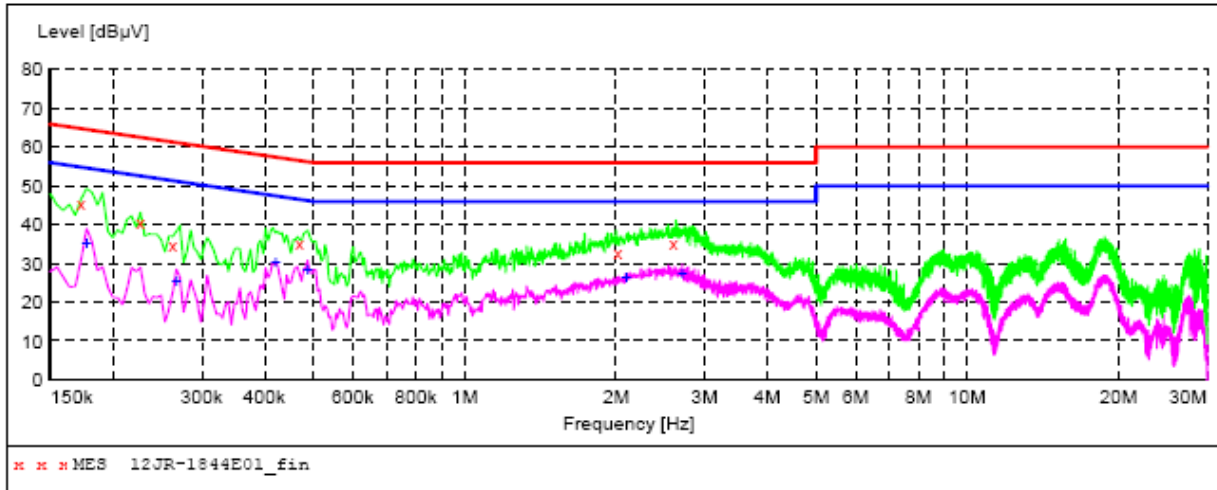
4.5 Test Result

Temperature (°C) : 22~23	EUT: NETTOP
Humidity (%RH) : 50~54	M/N: EDGE HD
Barometric Pressure (mbar) : 950~1000	Operation Condition: HDMI/VGA

Conducted Emission:

EUT: NETTOP
M/N: EDGE HD
Operating Condition: HDMI
Test Site: Shielded Room
Operator: Yang
Test Specification: AC 120V/60Hz for adapter
Comment: L Line

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "12JR-1844E01_fin"

10/19/2012 10:38AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.172500	45.50	11.1	65	19.3	QP	L1	GND
0.226500	40.70	10.7	63	21.9	QP	L1	GND
0.262500	34.70	10.6	61	26.7	QP	L1	GND
0.469500	35.00	10.3	57	21.5	QP	L1	GND
2.017500	32.80	10.2	56	23.2	QP	L1	GND
2.607000	35.00	10.2	56	21.0	QP	L1	GND

MEASUREMENT RESULT: "12JR-1844E01_fin2"

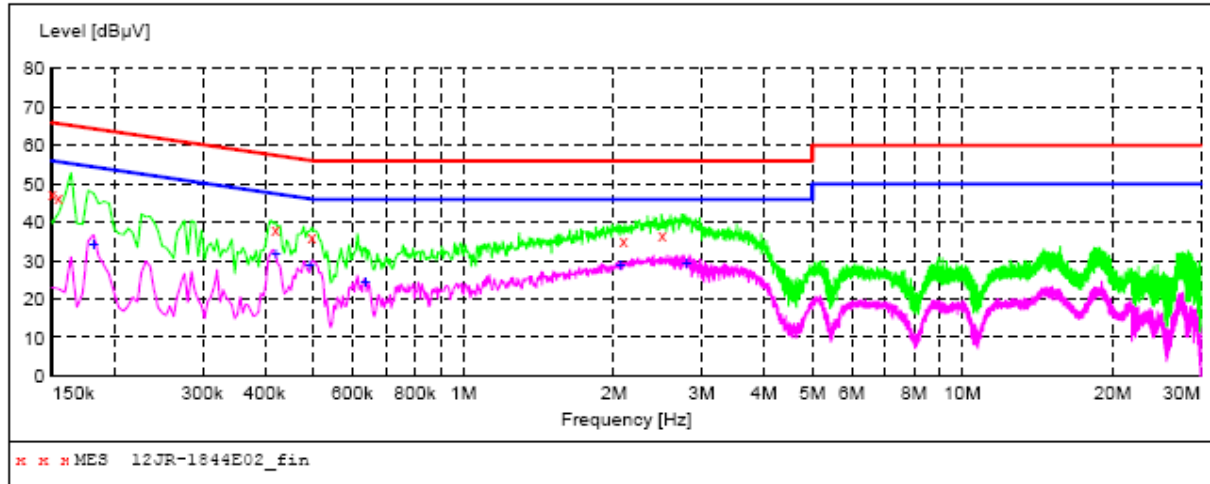
10/19/2012 10:38AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.177000	35.00	11.1	55	19.6	AV	L1	GND
0.267000	25.30	10.6	51	25.9	AV	L1	GND
0.420000	30.20	10.4	47	17.2	AV	L1	GND
0.487500	28.20	10.3	46	18.0	AV	L1	GND
2.098500	26.40	10.2	46	19.6	AV	L1	GND
2.710500	27.70	10.2	46	18.3	AV	L1	GND

Conducted Emission:

EUT: NETTOP
M/N: EDGE HD
Operating Condition: HDMI
Test Site: Shielded Room
Operator: Yang
Test Specification: AC 120V/60Hz for adapter
Comment: N Line

SCAN TABLE: "Voltage (9K-30M) FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "12JR-1844E02_fin"

10/19/2012 10:41AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	47.60	11.4	66	18.4	QP	N	GND
0.154500	46.40	11.4	66	19.4	QP	N	GND
0.420000	38.40	10.4	57	19.0	QP	N	GND
0.496500	36.20	10.3	56	19.9	QP	N	GND
2.094000	35.20	10.2	56	20.8	QP	N	GND
2.503500	36.50	10.2	56	19.5	QP	N	GND

MEASUREMENT RESULT: "12JR-1844E02_fin2"

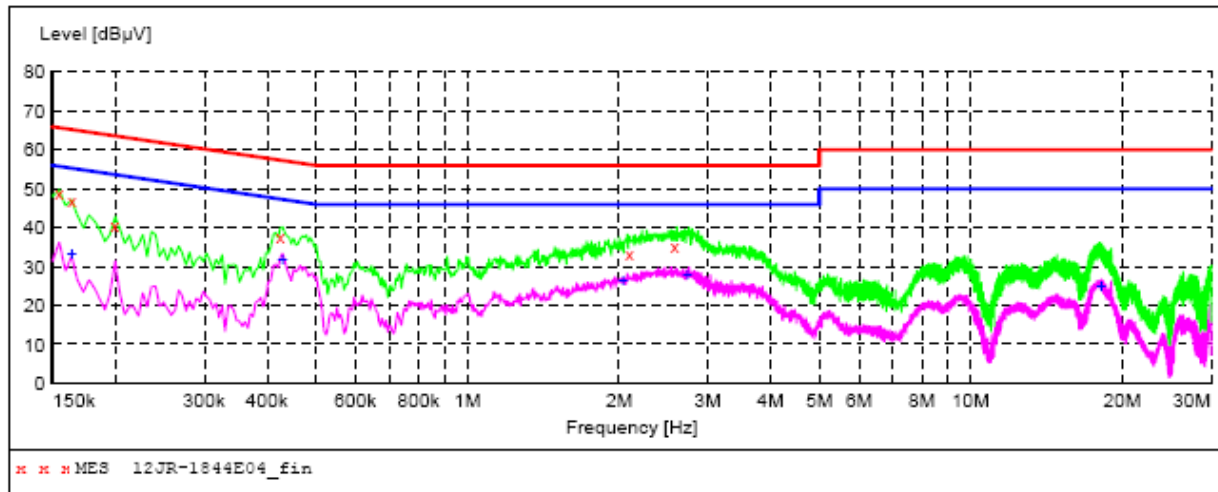
10/19/2012 10:41AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.181500	34.40	11.0	54	20.0	AV	N	GND
0.420000	31.70	10.4	47	15.7	AV	N	GND
0.492000	28.90	10.3	46	17.2	AV	N	GND
0.636000	24.60	10.2	46	21.4	AV	N	GND
2.067000	28.70	10.2	46	17.3	AV	N	GND
2.800500	29.30	10.2	46	16.7	AV	N	GND

Conducted Emission:

EUT: NETTOP
M/N: EDGE HD
Operating Condition: VGA
Test Site: Shielded Room
Operator: Yang
Test Specification: AC 120V/60Hz for adapter
Comment: L Line

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "12JR-1844E04_fin"

10/19/2012 10:52AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.154500	48.70	11.4	66	17.1	QP	L1	GND
0.163500	46.70	11.2	65	18.6	QP	L1	GND
0.199500	40.60	10.8	64	23.0	QP	L1	GND
0.424500	37.70	10.4	57	19.7	QP	L1	GND
2.098500	33.30	10.2	56	22.7	QP	L1	GND
2.580000	35.20	10.2	56	20.8	QP	L1	GND

MEASUREMENT RESULT: "12JR-1844E04_fin2"

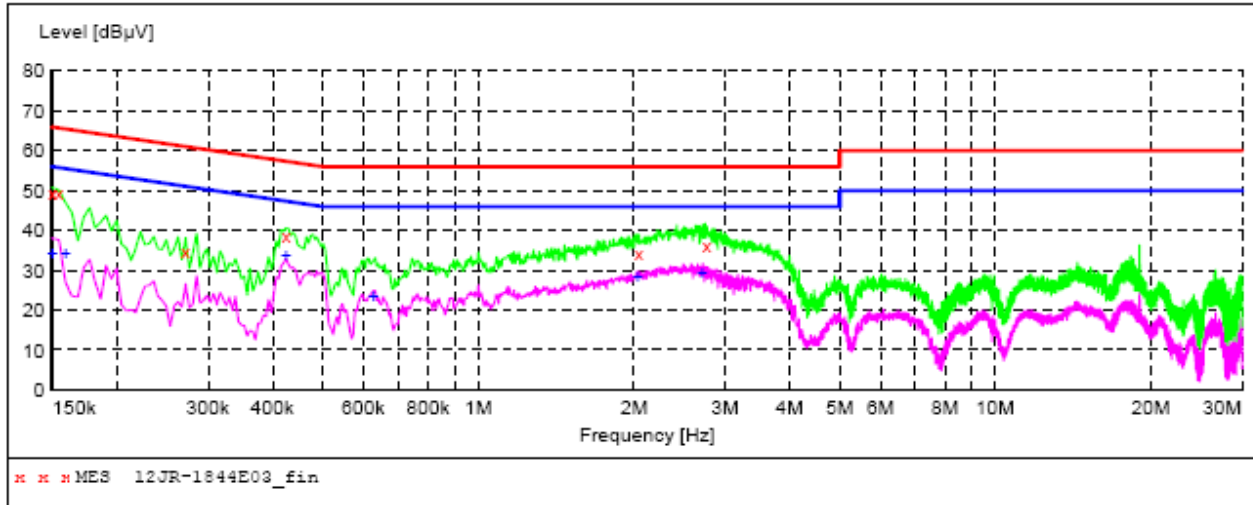
10/19/2012 10:52AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.163500	33.50	11.2	55	21.8	AV	L1	GND
0.429000	31.90	10.3	47	15.4	AV	L1	GND
2.040000	26.50	10.2	46	19.5	AV	L1	GND
2.733000	28.10	10.2	46	17.9	AV	L1	GND
18.181500	24.90	10.6	50	25.1	AV	L1	GND

Conducted Emission:

EUT: NETTOP
M/N: EDGE HD
Operating Condition: VGA
Test Site: Shielded Room
Operator: Yang
Test Specification: AC 120V/60Hz for adapter
Comment: N Line

SCAN TABLE: "Voltage (9K-30M) FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "12JR-1844E03_fin"

10/19/2012 10:49AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	49.50	11.4	66	16.5	QP	N	GND
0.154500	49.50	11.4	66	16.3	QP	N	GND
0.271500	34.60	10.6	61	26.5	QP	N	GND
0.424500	38.60	10.4	57	18.8	QP	N	GND
2.044500	34.40	10.2	56	21.6	QP	N	GND
2.764500	36.30	10.2	56	19.7	QP	N	GND

MEASUREMENT RESULT: "12JR-1844E03_fin2"

10/19/2012 10:49AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	34.30	11.4	56	21.7	AV	N	GND
0.159000	34.40	11.3	56	21.1	AV	N	GND
0.424500	33.80	10.4	47	13.6	AV	N	GND
0.627000	23.70	10.2	46	22.3	AV	N	GND
2.035500	28.40	10.2	46	17.6	AV	N	GND
2.710500	29.60	10.2	46	16.4	AV	N	GND

5 - RADIATED DISTURBANCES

5.1 Limit of Radiated Disturbances

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB μ V/m)
30 ~ 88	3	40
88~216	3	43.5
216 ~ 960	3	46
960 ~ 1000	3	54

Note:

(1) The tighter limit shall apply at the edge between two frequency bands.

(2) Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.

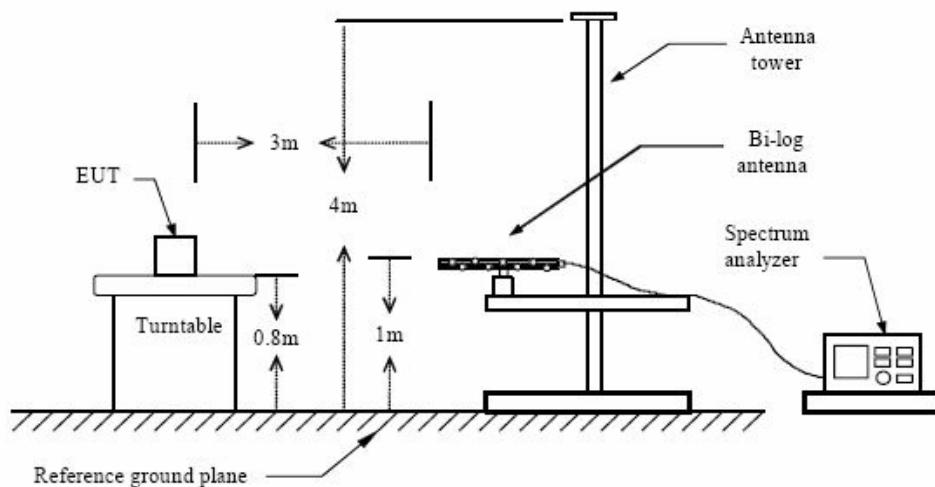
5.2 EUT Setup

The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC Part 15 Subpart B limits.

The EUT was placed on the center of the test table.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

Below 1 GHz



5.3 Test Receiver Setup

According to FCC Part 15 rule, the frequency was investigated from 30 to 1000 MHz. During the radiated emission test, the test receiver was set with the following configurations:

Test Receiver Setting:

Detector.....Peak & Quasi-Peak
IF Band Width.....120KHz
Frequency Range.....30MHz to 1000MHz
Turntable Rotated.....0 to 360 degrees

Antenna Position:

Height.....1m to 4m
Polarity.....Horizontal and Vertical

5.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within -10 dB μ V of specification limits), and are distinguished with a "QP" in the data table.

5.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB μ V means the emission is 7dB μ V below the maximum limit for Subpart B. The equation for margin calculation is as follows:

Margin = Limit – Corr. Ampl.

5.6 Radiated Emissions Test Result

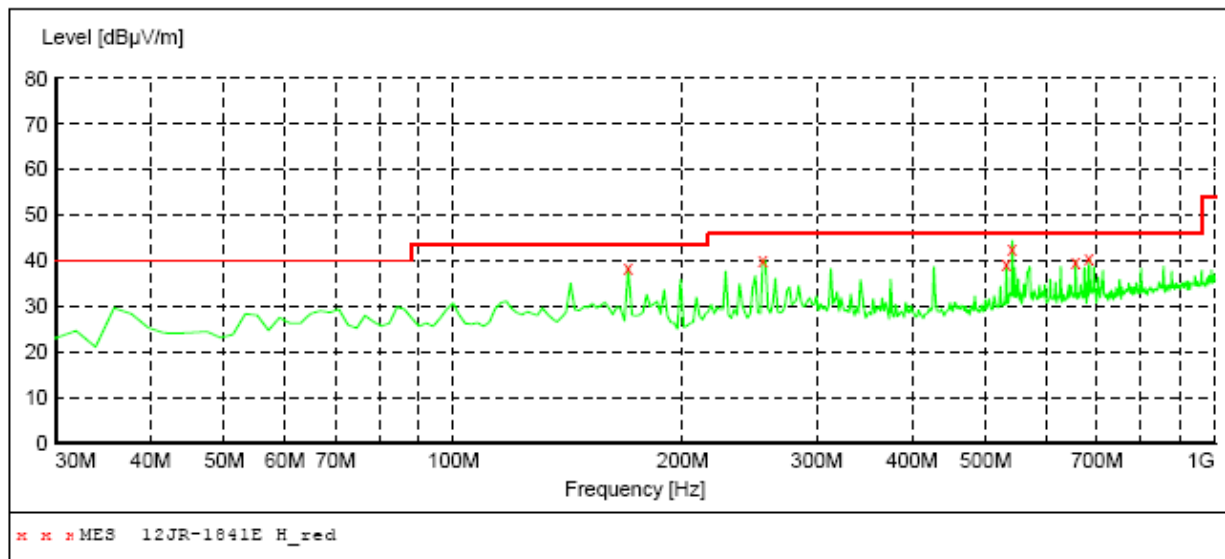
Temperature (°C) : 22~23	EUT: NETTOP
Humidity (%RH) : 50~54	M/N: EDGE HD
Barometric Pressure (mbar) : 950~1000	Operation Condition: HDMI/VGA

Radiated Emission Test Data:

EUT: NETTOP
M/N: EDGE HD
Operating Condition: HDMI
Test Site: 3m CHAMBER
Operator: Chen
Test Specification: AC 120V/60Hz for adapter
Comment: Polarization: Horizontal

SWEEP TABLE: "test (30M-1G)"

Short Description:		Field Strength			
Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "12JR-1841E H_red"

10/19/2012 20:59

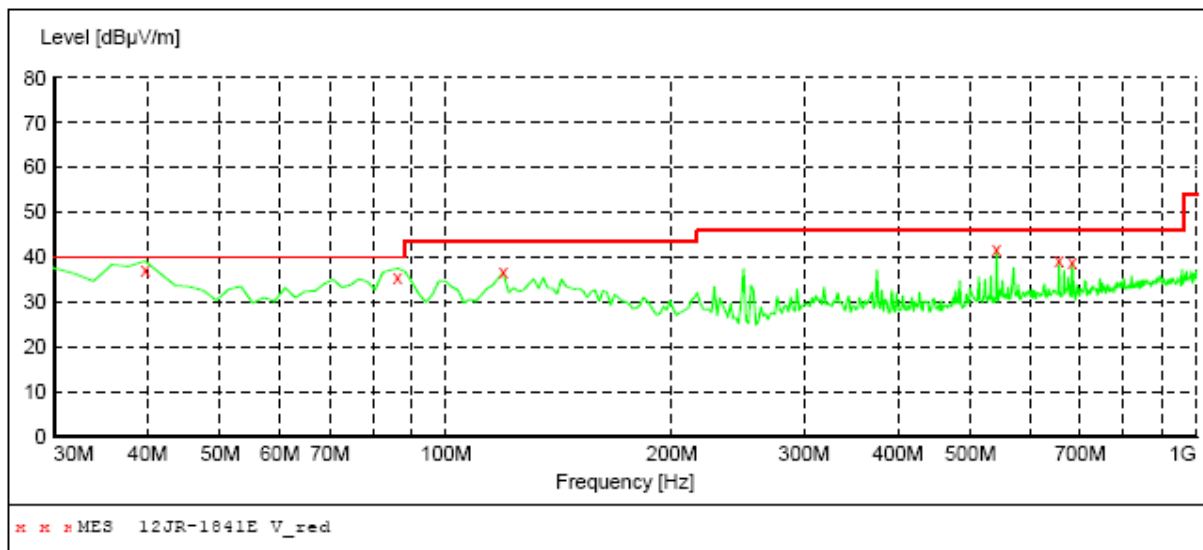
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
169.680000	38.50	13.1	43.5	5.0	QP	100.0	0.00	HORIZONTAL
255.040000	40.20	17.3	46.0	5.8	QP	100.0	0.00	HORIZONTAL
532.460000	39.30	24.6	46.0	6.7	QP	100.0	0.00	HORIZONTAL
542.160000	42.50	24.8	46.0	3.5	QP	100.0	0.00	HORIZONTAL
656.620000	39.80	26.3	46.0	6.2	QP	100.0	0.00	HORIZONTAL
683.780000	40.50	26.4	46.0	5.5	QP	100.0	0.00	HORIZONTAL

Radiated Emission Test Data:

EUT: NETTOP
M/N: EDGE HD
Operating Condition: HDMI
Test Site: 3m CHAMBER
Operator: Chen
Test Specification: AC 120V/60Hz for adapter
Comment: Polarization: Vertical

SWEEP TABLE: "test (30M-1G)"

Short Description:		Field Strength			
Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "12JR-1841E V_red"

10/19/2012 20:58

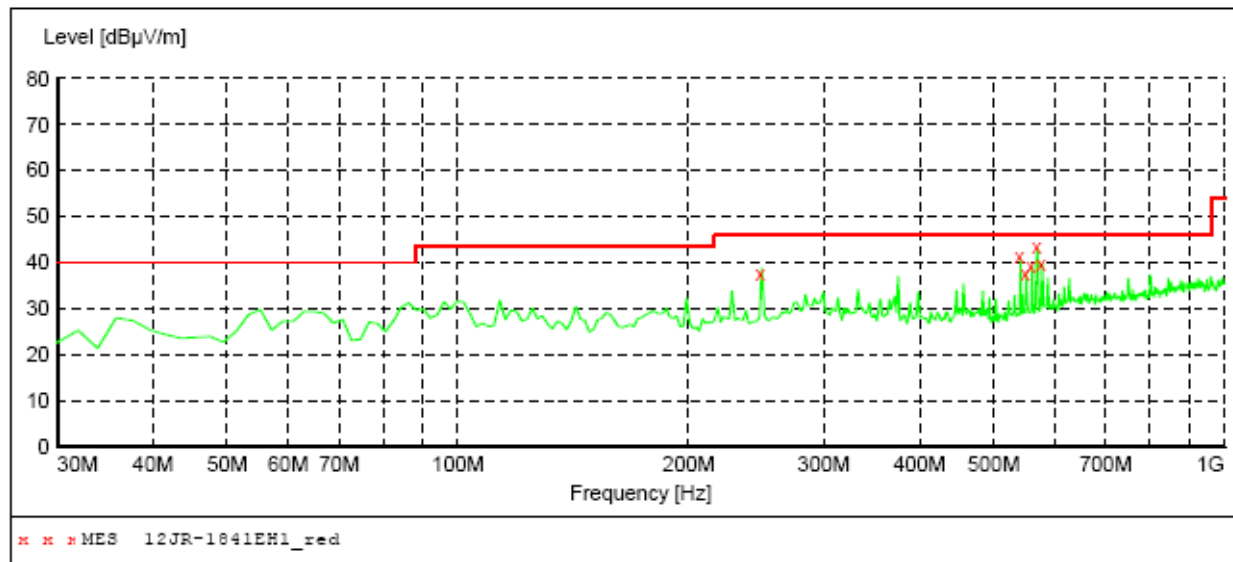
Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
39.700000	37.00	15.8	40.0	3.0	QP	100.0	0.00	VERTICAL
86.260000	35.50	14.8	40.0	4.5	QP	100.0	0.00	VERTICAL
119.240000	36.60	14.8	43.5	6.9	QP	100.0	0.00	VERTICAL
542.160000	41.90	24.8	46.0	4.1	QP	100.0	0.00	VERTICAL
656.620000	39.20	26.3	46.0	6.8	QP	100.0	0.00	VERTICAL
683.780000	38.90	26.4	46.0	7.1	QP	100.0	0.00	VERTICAL

Radiated Emission Test Data:

EUT: NETTOP
M/N: EDGE HD
Operating Condition: VGA
Test Site: 3m CHAMBER
Operator: Chen
Test Specification: AC 120V/60Hz for adapter
Comment: Polarization: Horizontal

SWEEP TABLE: "test (30M-1G)"

Short Description:		Field Strength			
Start	Stop	Detector	Meas. Time	IF Bandw.	Transducer
Frequency	Frequency				
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "12JR-1841EH1_red"

10/19/2012 21:02

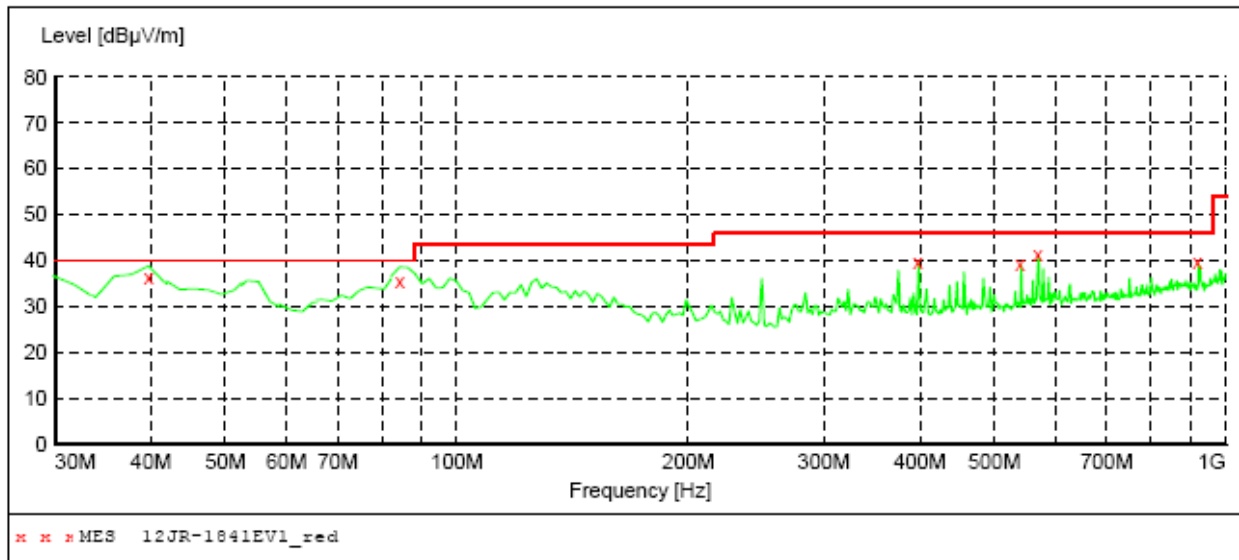
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
249.220000	38.50	17.2	46.0	7.5	QP	100.0	0.00	HORIZONTAL
542.160000	42.00	24.8	46.0	4.0	QP	100.0	0.00	HORIZONTAL
551.860000	38.70	25.0	46.0	7.3	QP	100.0	0.00	HORIZONTAL
561.560000	40.00	25.2	46.0	6.0	QP	100.0	0.00	HORIZONTAL
571.260000	43.00	25.4	46.0	3.0	QP	100.0	0.00	HORIZONTAL
579.020000	39.70	25.5	46.0	6.3	QP	100.0	0.00	HORIZONTAL

Radiated Emission Test Data:

EUT: NETTOP
M/N: EDGE HD
Operating Condition: HDMI
Test Site: 3m CHAMBER
Operator: Chen
Test Specification: AC 120V/60Hz for adapter
Comment: Polarization: Vertical

SWEEP TABLE: "test (30M-1G)"

Short Description:	Field Strength
Start Stop	Detector Meas. IF Transducer
Frequency Frequency	Time Bandw.
30.0 MHz 1.0 GHz	MaxPeak Coupled 100 kHz VULB9163 NEW



MEASUREMENT RESULT: "12JR-1841EV1_red"

10/19/2012 20:59

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
39.700000	37.00	15.8	40.0	3.0	QP	100.0	0.00	VERTICAL
84.320000	36.20	14.1	40.0	3.8	QP	100.0	0.00	VERTICAL
398.600000	39.30	21.4	46.0	6.7	QP	100.0	0.00	VERTICAL
542.160000	39.10	24.8	46.0	6.9	QP	100.0	0.00	VERTICAL
571.260000	40.90	25.4	46.0	5.1	QP	100.0	0.00	VERTICAL
922.400000	39.20	29.4	46.0	6.8	QP	100.0	0.00	VERTICAL