Test Report of FCC CFR 47 Part 15 Subpart B

On Behalf of

SUN CUPID (SHENZHEN) ELECTRONIC LTD.

FCC ID:	**YQB0SCI1000004**
Product Description:	**Wave**
Test Model No.:	**W1**
Supplementary Model:	**N/A**
Brand Name:	**NUU**
Prepared for:	**SUN CUPID (SHENZHEN) ELECTRONIC LTD.** 10A, No.3 Bldg, China Academy of Sci & Tech Development, No.1 High-Tech South St., Shenzhen, China
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.:	BCT13HR291E-2
Issue Date:	Sep 10, 2013
Test Date:	Sep 2-10, 2013

Tested by: Lion Cai

Reviewed by: Owen Yang

Approved by: Kendy Wang

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	**SUN CUPID (SHENZHEN) ELECTRONIC LTD.**
Address of Applicant:	10A, No.3 Bldg, China Academy of Sci & Tech Development, No.1 High-Tech South St., Shenzhen, China
Manufacturer:	**SUN CUPID (SHENZHEN) ELECTRONIC LTD.**
Address of Manufacturer:	10A, No.3 Bldg, China Academy of Sci & Tech Development, No.1 High-Tech South St., Shenzhen, China

General Description of E.U.T

Items	Description
EUT Description:	Wave
Trade Name:	NUU
Test Model No.:	W1
Supplementary Model:	N/A
BT Module:	
Frequency Band:	2402 MHz ~ 2480 MHz
Channel Spacing:	1 MHz
Number of Channels:	79
Type of Modulation:	GFSK, Pi/4 DAPSK, 8-DPSK
Antenna Type:	Built-in Antenna
Antenna Gain:	2dBi
Power Supply:	DC 15.0V 2.4A for Adapter ; DC11.1V 2200mAh form Battery
Battery Information:	1#:Model No:BP-105 Manufacturer: ZHONGSHAN TIANMAO BATTERY CO.,LTD 2#Model No:SR18650-3S1P Manufacturer: SouthRiver Products Ltd
Adapter Information:	1#: Model No: DYS40-150240-13504B; Manufacturer: DONGGUAN DONGSONG ELECTRONIC CO.,LTD Input: 100-240V 50/60Hz 1.0A Max ; Output:15.0V 2.4A 2#: Model No: ASSA32-150240 Manufacturer: AQUIL STAR PRECISION INDUSTRIAL(SHENZHEN) CO., LTD Input: 100-240V 50/60Hz 1.0A Max ; Output:15.0V 2.4A

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

1.2 Test Standards

The 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.: 50242657-0001

Shenzhen Bontek Compliance Testing Laboratory Co., 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. 17010783-003

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 Support Equipments

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.

Support equipments or special accessories in test configuration：

AUX Description:	Manufacturer	Model No.	Certificate	CABLE
Host Computer	Dell	78MD82X	CE, FCC	1.5m Unshielded Power Cord
Monitor	Dell	E178Pc	CE, FCC	1.5m Unshielded Power Cord 1.8m shielded data Cable with core
Keyboard	Dell	L100	CE, FCC	1.8m shielded data Cable with core
Mouse	Dell	OCJ339	CE, FCC	1.8m shielded data Cable with core
Printer	EPSON	P330A	CE, FCC	1.2m Unshielded Power Cord 1.5m shielded data Cable

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 a placed on as 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 C63.4-2003.

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	2013-4-5	2014-4-4
2	EMI Test Receiver	R&S	ESPI	100097	2013-7-24	2014-7-23
3	Amplifier	HP	8447D	1937A02492	2013-4-5	2014-4-4
4	Single Power Conductor Module	FCC	FCC-LISN-5-50-1-01-CISPR25	07101	2013-4-5	2014-4-4
5	Single Power Conductor Module	FCC	FCC-LISN-5-50-1-01-CISPR25	07102	2013-4-5	2014-4-4
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	2013-4-5	2014-4-4
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	2013-4-5	2014-4-4
9	GSM system simulator	Agilent	8960 Series 10 E1985A + GSM_AMPS	B.01.76 GB42450443	2013-4-5	2014-4-4
10	Spectrum Analyzer	Agilent	E4404B	US41192833	2013-4-5	2014-4-4
11	6dB Attenuator	Atten	Attenuator	DC-4GHz	2013-4-5	2014-4-4
12	Digital Multimeter	Fluke	15B	91280239	2013-4-5	2014-4-4
13	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2013-4-9	2014-4-8
14	Horn Antenna	SCHWARZBECK	BBHA9120A	0499	2012-11-27	2013-11-26
15	Active Loop Antenna	DAZE	ZN30900A	1200	2013-4-6	2014-4-5
16	9kHz-2.4GHz signal generator 2024	MARCONI	10S/6625-99-457-8730	112260/042	2013-4-5	2014-4-4
17	10dB attenuator	ELECTRO-METRICS	EM-7600	836	2013-4-5	2014-4-4
18	Spectrum Analyzer	R&S	FSP	100397	2012-11-1	2013-10-31
19	Broadband preamplifier	SCH WARZBECK	BBV9718	9718-182	2013-4-5	2014-4-4
20	Temperature & Humidity Chamber	TOPSTAT	TOS-831A	3438A05208	2013-4-5	2014-4-4

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

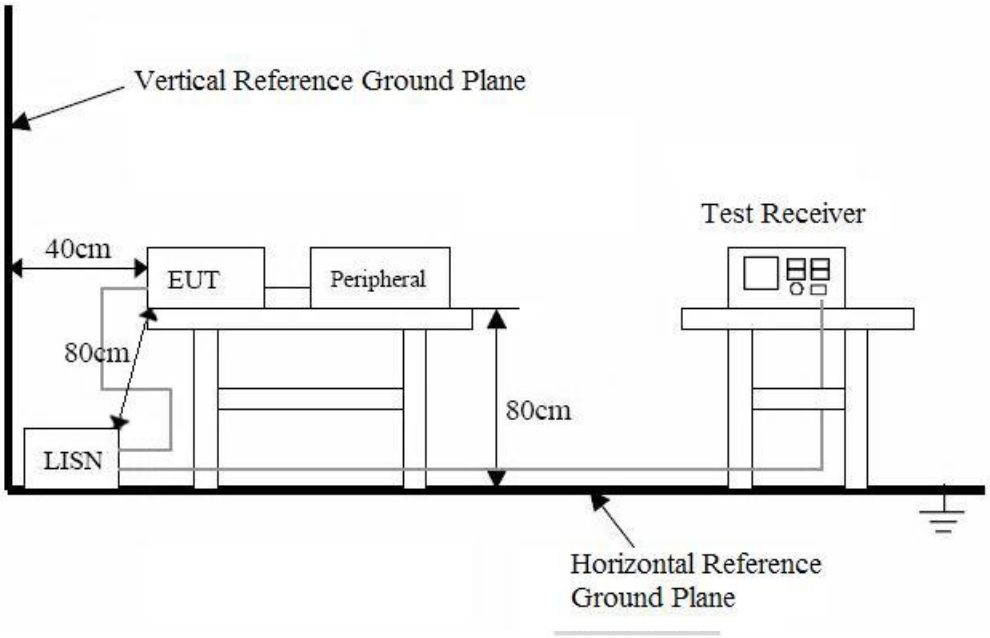
The setup of EUT is according with ANSI C63.4-2003 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B limits.

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 dBμV of specification limits). Quasi-peak readings are distinguished with a "QP". Average readings are distinguished with a "AV".

4.5 Test Result

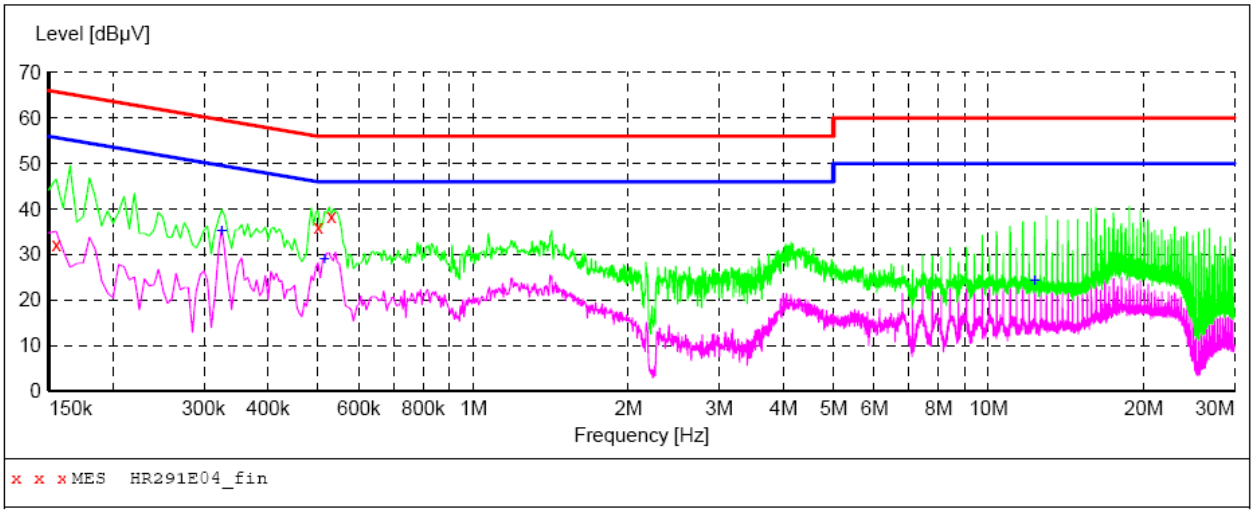
Temperature (℃) : 22~23	EUT: Wave
Humidity (%RH): 50~54	M/N: W1
Barometric Pressure (mbar): 950~1000	Operation Condition: BT Playing, Connect to PC

NOTE: ASSA32-150240 adapter test is the worst-case

Conducted Emission:

EUT:	Wave
M/N:	W1
Operating Condition:	BT Playing
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for adapter
Comment:	L Line

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



MEASUREMENT RESULT: "HR291E04_fin"

9/2/2013 19:46

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000	32.10	13.2	66	33.6	QP	L1	GND
0.500000	36.00	10.5	56	20.0	QP	L1	GND
0.530000	38.40	10.5	56	17.6	QP	L1	GND

MEASUREMENT RESULT: "HR291E04_fin2"

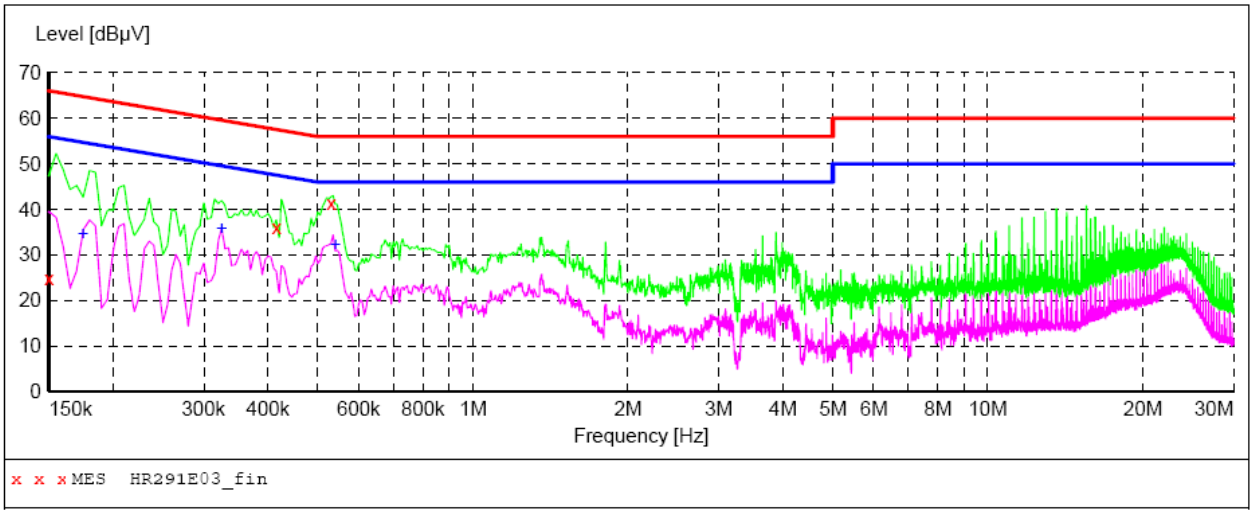
9/2/2013 19:46

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.325000	35.20	10.9	50	14.4	AV	L1	GND
0.515000	29.10	10.5	46	16.9	AV	L1	GND
12.315000	24.20	10.6	50	25.8	AV	L1	GND

Conducted Emission:

EUT:	Wave
M/N:	W1
Operating Condition:	BT Playing
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for adapter
Comment:	N Line

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



MEASUREMENT RESULT: "HR291E03_fin"

9/2/2013 19:43

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	24.90	13.4	66	41.1	QP	N	GND
0.415000	36.10	10.7	58	21.4	QP	N	GND
0.530000	41.40	10.5	56	14.6	QP	N	GND

MEASUREMENT RESULT: "HR291E03_fin2"

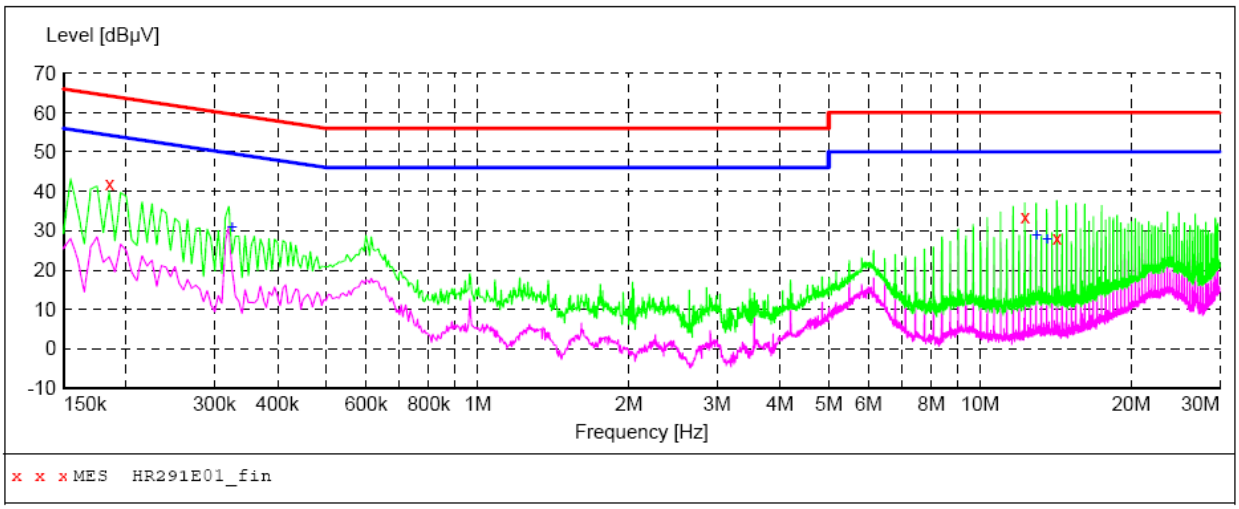
9/2/2013 19:43

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.175000	34.60	12.3	55	20.1	AV	N	GND
0.325000	35.80	10.9	50	13.8	AV	N	GND
0.540000	32.10	10.5	46	13.9	AV	N	GND

Conducted Emission:

EUT:	Wave
M/N:	W1
Operating Condition:	Connect to PC
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for PC
Comment:	L Line

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



MEASUREMENT RESULT: "HR291E01_fin"

9/2/2013 19:36

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.185000	42.00	11.9	64	22.3	QP	L1	GND
12.295000	33.50	10.6	60	26.5	QP	L1	GND
14.215000	28.20	10.8	60	31.8	QP	L1	GND

MEASUREMENT RESULT: "HR291E01_fin2"

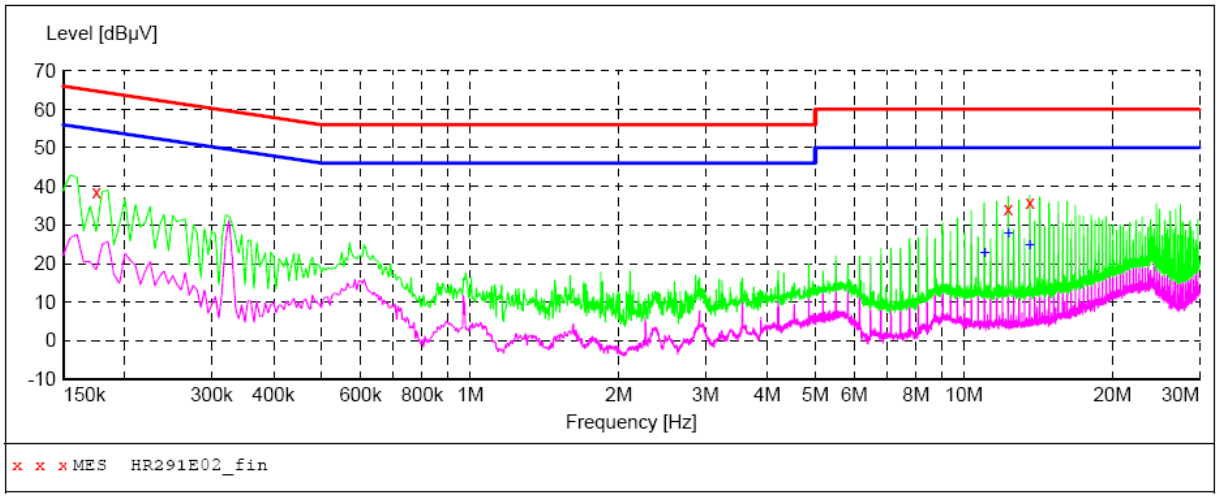
9/2/2013 19:36

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.325000	30.70	10.9	50	18.9	AV	L1	GND
12.945000	28.80	10.6	50	21.2	AV	L1	GND
13.590000	27.80	10.7	50	22.2	AV	L1	GND

Conducted Emission:

EUT:	Wave
M/N:	W1
Operating Condition:	Connect to PC
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for PC
Comment:	N Line

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



MEASUREMENT RESULT: "HR291E02_fin"

9/2/2013 19:40

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.175000	38.50	12.3	65	26.2	QP	N	GND
12.295000	34.20	10.6	60	25.8	QP	N	GND
13.595000	35.80	10.7	60	24.2	QP	N	GND

MEASUREMENT RESULT: "HR291E02_fin2"

9/2/2013 19:40

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
11.015000	22.90	10.6	50	27.1	AV	N	GND
12.305000	27.90	10.6	50	22.1	AV	N	GND
13.595000	24.90	10.7	50	25.1	AV	N	GND

5 - RADIATED DISTURBANCES

5.1 Limit of Radiated Disturbances

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dBμV/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.

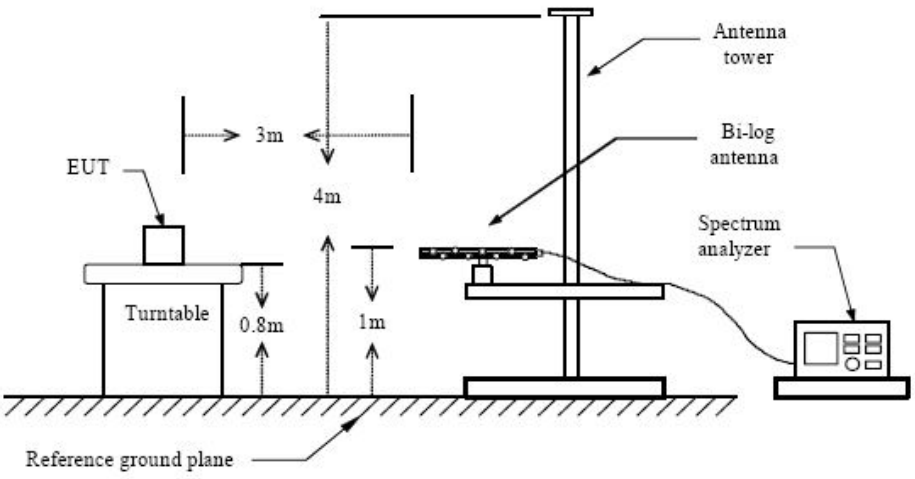
5.2 EUT Setup

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 dBμV 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 -7dBμV means the emission is 7dBμV 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 (℃) : 22~23	EUT: Wave
Humidity (%RH): 50~54	M/N: W1
Barometric Pressure (mbar): 950~1000	Operation Condition: BT Playing, Discharging Connect to PC

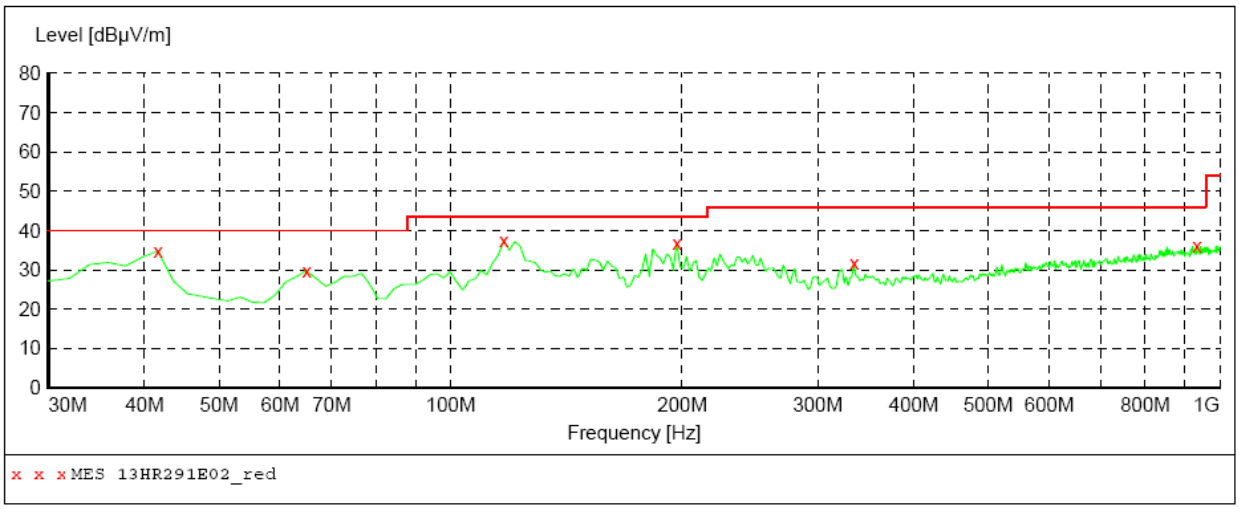
NOTE: For the frequency 30-1000MHz, ASSA32-150240 adapter test is the worst-case

Radiated Emission Test Data(30~1000M):

EUT:	Wave
M/N:	W1
Operating Condition:	BT Playing
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 Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "13HR291E02_red"

9/7/2013 16:47

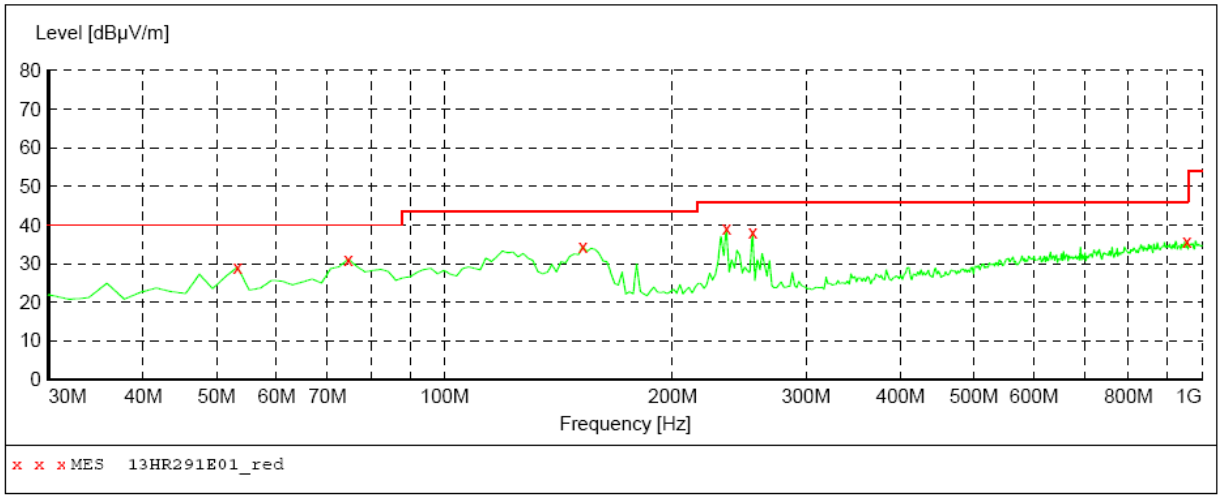
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
41.640000	34.80	15.9	40.0	5.2	QP	100.0	0.00	HORIZONTAL
64.920000	29.80	13.5	40.0	10.2	QP	100.0	0.00	HORIZONTAL
117.300000	37.50	15.1	43.5	6.0	QP	100.0	0.00	HORIZONTAL
196.840000	37.00	14.8	43.5	6.5	QP	100.0	0.00	HORIZONTAL
334.580000	31.80	19.9	46.0	14.2	QP	100.0	0.00	HORIZONTAL
934.040000	36.10	29.4	46.0	9.9	QP	100.0	0.00	HORIZONTAL

Radiated Emission Test Data(30~1000M):

EUT:	Wave
M/N:	W1
Operating Condition:	BT Playing
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 Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "13HR291E01_red"

9/7/2013 16:30

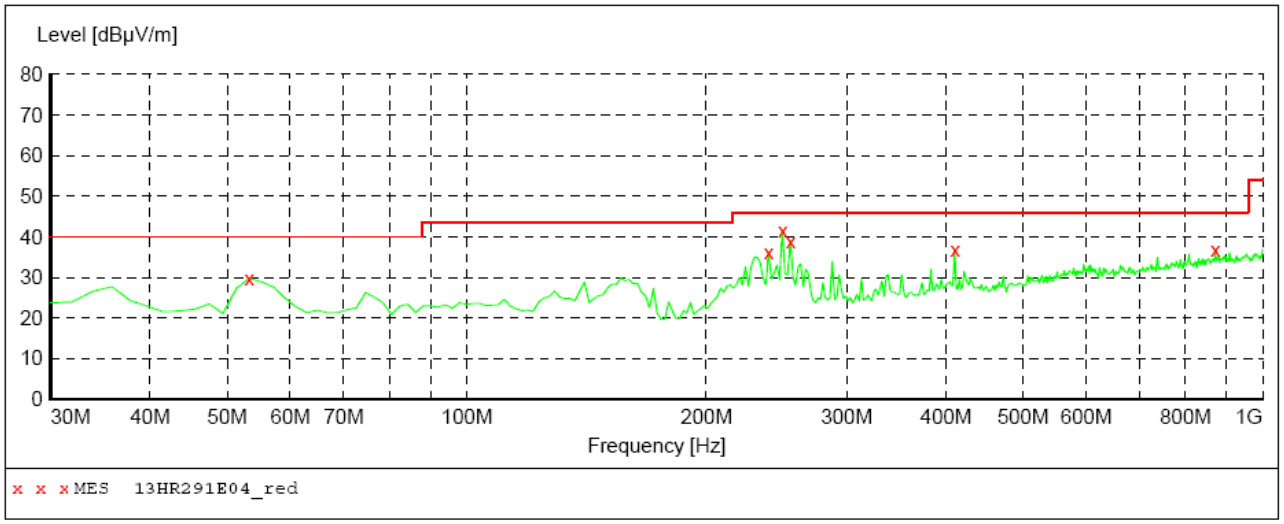
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
53.280000	29.10	15.7	40.0	10.9	QP	100.0	0.00	VERTICAL
74.620000	31.20	11.8	40.0	8.8	QP	100.0	0.00	VERTICAL
152.220000	34.50	12.4	43.5	9.0	QP	100.0	0.00	VERTICAL
235.640000	39.20	16.6	46.0	6.8	QP	100.0	0.00	VERTICAL
255.040000	38.30	17.3	46.0	7.7	QP	100.0	0.00	VERTICAL
955.380000	35.80	29.6	46.0	10.2	QP	100.0	0.00	VERTICAL

Radiated Emission Test Data(30~1000M):

EUT:	Wave
M/N:	W1
Operating Condition:	Connect to PC
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 Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "13HR291E04red"

9/7/2013 16:55

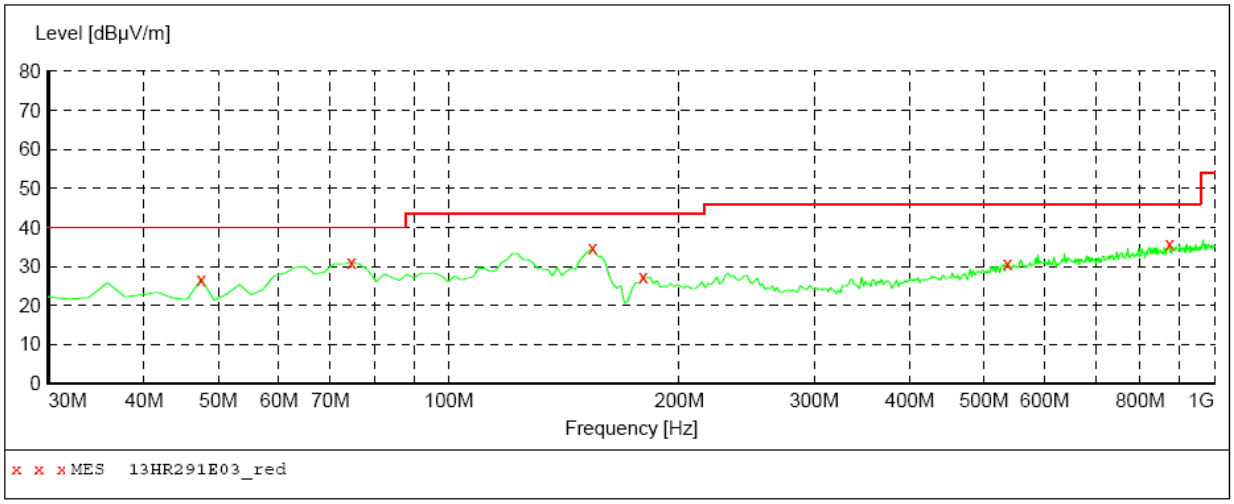
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
53.280000	29.80	15.7	40.0	10.2	QP	100.0	0.00	HORIZONTAL
239.520000	36.30	16.9	46.0	9.7	QP	100.0	0.00	HORIZONTAL
249.220000	41.60	17.2	46.0	4.4	QP	100.0	0.00	HORIZONTAL
255.040000	39.00	17.3	46.0	7.0	QP	100.0	0.00	HORIZONTAL
410.240000	36.70	21.7	46.0	9.3	QP	100.0	0.00	HORIZONTAL
871.960000	36.80	28.9	46.0	9.2	QP	100.0	0.00	HORIZONTAL

Radiated Emission Test Data(30~1000M):

EUT:	Wave
M/N:	W1
Operating Condition:	Connect to PC
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 Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "13HR291E03_red"

9/7/2013 16:38

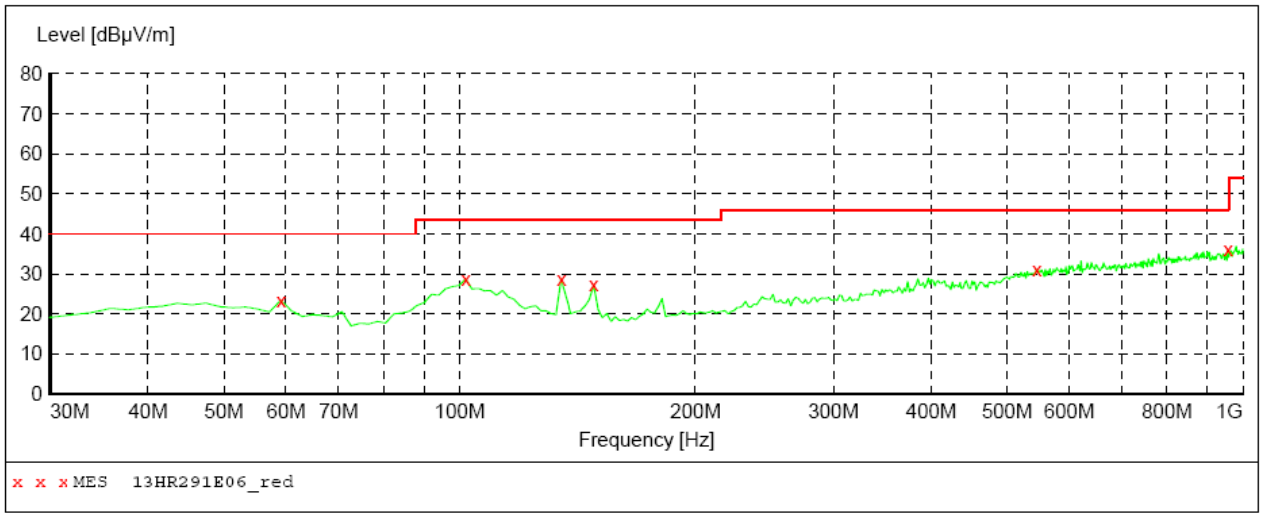
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
47.460000	26.80	15.8	40.0	13.2	QP	100.0	0.00	VERTICAL
74.620000	31.10	11.8	40.0	8.9	QP	100.0	0.00	VERTICAL
154.160000	34.70	12.5	43.5	8.8	QP	100.0	0.00	VERTICAL
179.380000	27.30	13.8	43.5	16.2	QP	100.0	0.00	VERTICAL
536.340000	30.80	24.7	46.0	15.2	QP	100.0	0.00	VERTICAL
873.900000	35.80	28.9	46.0	10.2	QP	100.0	0.00	VERTICAL

Radiated Emission Test Data(30~1000M):

EUT:	Wave
M/N:	W1
Operating Condition:	Discharging
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 Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "13HR291E06_red"

9/7/2013 16:42

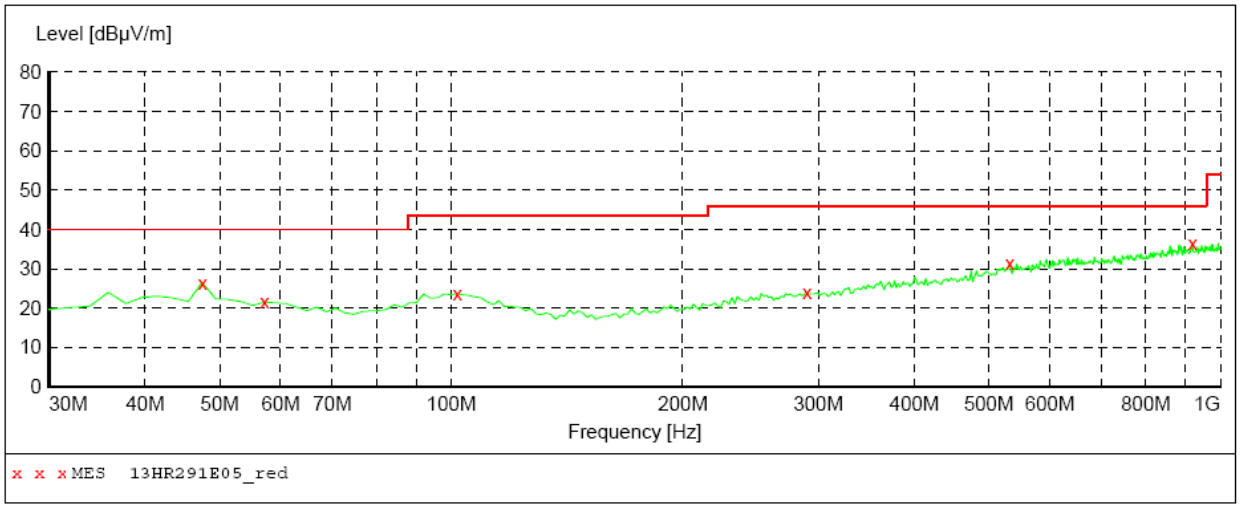
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
59.100000	23.40	14.6	40.0	16.6	QP	100.0	0.00	HORIZONTAL
101.780000	28.80	17.3	43.5	14.7	QP	100.0	0.00	HORIZONTAL
134.760000	28.80	12.7	43.5	14.7	QP	100.0	0.00	HORIZONTAL
148.340000	27.30	12.3	43.5	16.2	QP	100.0	0.00	HORIZONTAL
546.040000	31.20	24.9	46.0	14.8	QP	100.0	0.00	HORIZONTAL
957.320000	36.00	29.6	46.0	10.0	QP	100.0	0.00	HORIZONTAL

Radiated Emission Test Data(30~1000M):

EUT:	Wave
M/N:	W1
Operating Condition:	Discharging
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 Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "13HR291E05_red"

9/7/2013 16:41

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
47.460000	26.60	15.8	40.0	13.4	QP	100.0	0.00	VERTICAL
57.160000	21.50	15.1	40.0	18.5	QP	100.0	0.00	VERTICAL
101.780000	23.60	17.3	43.5	19.9	QP	100.0	0.00	VERTICAL
289.960000	24.00	18.4	46.0	22.0	QP	100.0	0.00	VERTICAL
532.460000	31.50	24.6	46.0	14.5	QP	100.0	0.00	VERTICAL
920.460000	36.50	29.3	46.0	9.5	QP	100.0	0.00	VERTICAL