FCC Test Report

Issued Date : May 03, 2010
Project No. : E1004052
Equipment : Flexible Embedded System
Model Name : xxxxFES-6110-xx-xxx-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose; xxxxFES-5120-xx-xxx-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose

Applicant : AAEON Technology Inc.
Address : 5F, No. 135, Lane 235, Pao Chiao Rd. Hsin-Tien City, Taipei, Taiwan, R.O.C.

Tested by: Neutron Engineering Inc. EMC Laboratory
Date of Receipt: Apr. 13, 2010
Date of Test: Apr. 13, 2010 ~ Apr. 27, 2010

Testing Engineer: Peter Li
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ilac-MRA TAF Testing Laboratory 0659

VCCI C-2918 G-81 R-2899 R-2829 T-1656 T-1657

Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**., or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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Neutron's laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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1. CERTIFICATION

Equipment :	Flexible Embedded System
Brand Name :	AAEON
Model Name :	xxxxFES-6110-xx-xxx-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose; xxxxFES-5120-xx-xxx-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose
Applicant :	AAEON Technology Inc.
Date of Test :	Apr. 13, 2010 ~ Apr. 27, 2010
Standards :	FCC Part 15, Subpart B Class A CISPR 22: 2005 +A1: 2005 Class A ICES-003: 2004 Class A ANSI C63.4 (2003)

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCE-1-E1004052) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part 15, Subpart B CISPR 22: 2005 +A1: 2005 ICES-003: 2004	Conducted Emission	Class A	PASS	
	Radiated Emission	Class A	PASS	

NOTE:

(1) ” N/A” denotes test is not applicable in this Test Report.

(2) For client’s request and manual description, the test will not be executed.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **C01/OS02/CB08** at the location of No.132-1, Lane 329, Sec. 2, Palian Road, Shijr City, Taipei, Taiwan.

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95**% ◦

The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2.

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U，(dB)	NOTE
C01	ANSI	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U，(dB)	NOTE
OS-01	ANSI	30MHz ~ 200MHz	V	2.86	
		30MHz ~ 200MHz	H	2.56	
		200MHz ~ 1,000MHz	V	2.88	
		200MHz ~ 1,000MHz	H	2.98	
OS-02	ANSI	30MHz ~ 200MHz	V	2.48	
		30MHz ~ 200MHz	H	2.16	
		200MHz ~ 1,000MHz	V	2.50	
		200MHz ~ 1,000MHz	H	2.66	

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our U_{lab} values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR}, as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz : 3.6 dB

Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz : 5.2 dB

It can be seen that our U_{lab} values are smaller than U_{CISPR}.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Flexible Embedded System
Brand Name	AAEON
Model Name	xxxxFES-6110-xx-xxx-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose; xxxxFES-5120-xx-xxx-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose
OEM Brand/Model Name	N/A
Model Difference	Model xxxxFES-5120-xx-xxx-xxxxxxx is electrically the same as model xxxxFES-6110-xx-xxx-xxxxxxx. The only difference between the two models is I/O Port designation.(Please refer to the EUT Photo) Model xxxxFES-6110-xx-xxx-xxxxxxx; xxxxFES-5120-xx-xxx-xxxxxxx, 0-9, A-Z, - or blank) for marketing purpose. Models' differences between each other only the changes of model name which do not affect the EMI performance. All the above models were tested, and the model: FES-6110 was found to be the worst case during the pr-scanning test. This model of the worst case was used for final testing and collecting test data included in this report.
Product Description	The EUT is a Flexible Embedded System. Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.
Power Source	DC Voltage supplied from AC/DC adapter.
Power Rating	I/P: AC 100-240V~1.5A, 50-60Hz / O/P: DC 12V, 5.0A MAX (60W MAX)
Connecting I/O Port(s)	Please refer to the User's Manual
Products Covered	Main Board: xxxxIMBE-945Gxx-xxx-xxxxxxx (Where x is 0-9, A-Z, - or blank) for marketing purpose CPU: Intel N270 1.6GHz/512/533 RAM: DSL 1GB/DDR2/667 HDD: Fujitsu 80GB MHZ2080BH G2 Adapter: FSP FSP060-DBAB1
EUT Modification(s)	N/A

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

3.2 DESCRIPTION OF TEST MODES

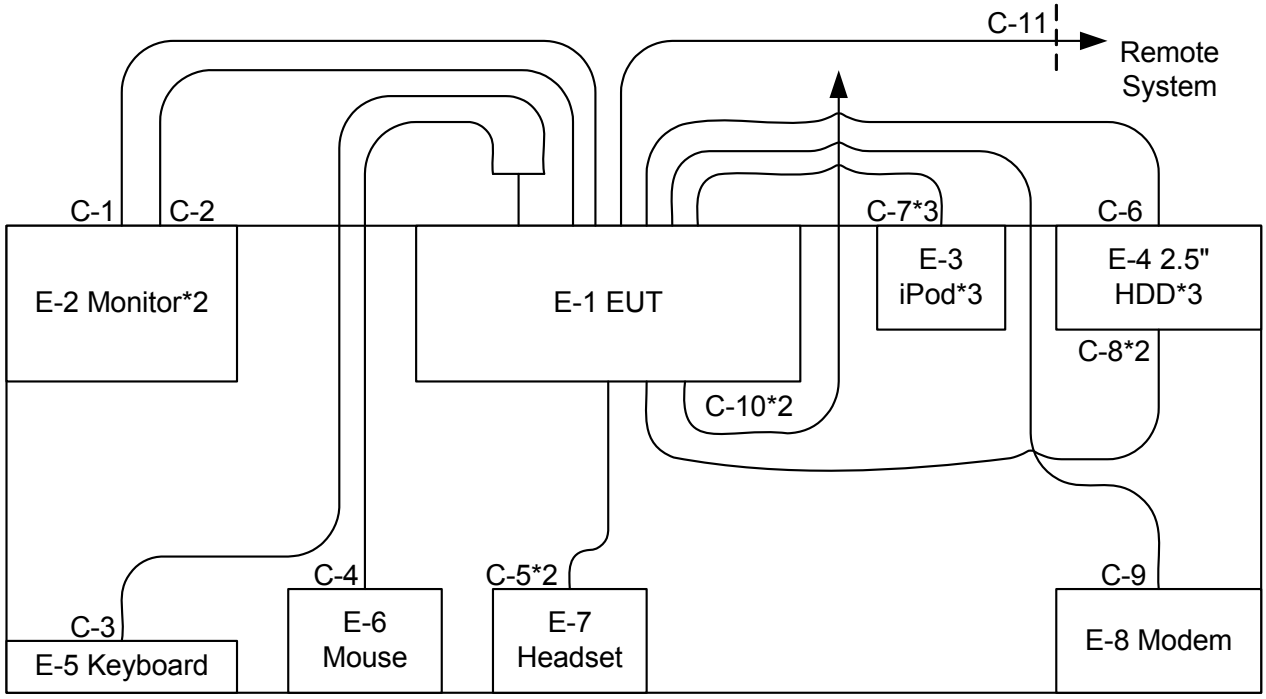
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Test Mode	Description
Mode 1	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)
Mode 2	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-5120)

For Conducted Test	
Final Test Mode	Description
Mode 1	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)

For Radiated Test	
Final Test Mode	Description
Mode 1	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)

3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



C-1 DVI Cable
C-2 D-Sub Cable
C-3 PS/2 Cable
C-4 PS/2 Cable
C-5 Audio Cable
C-6 USB Cable
C-7 USB Cable
C-8 USB Cable
C-9 RS232 Cable
C-10 Power Cable
C-11 RJ-45 Cable

3.4 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Flexible Embedded System	AAEON	FES-6110	N/A	N/A	EUT
E-2	24" LCD Monitor	DELL	2408WFPb	DOC	071863-11	
E-3	iPod nano	Apple	A1137	DOC	YM63604QUPR	
E-4	2.5"Mobile External HDD	FireWire	F12-UF	DOC	N/A	
E-5	PS/2 K/B	Logitech	Y-SJ17(ACK260A)	DOC	SYU44664880	
E-6	PS/2 Mouse	Logitech	M-SBF69	DOC	HCA44601156	
E-7	Headset	i-Acon	HOH-323-BK	N/A	N/A	
E-8	Modem	Intel	PCFM6501	EJMPCFM6501	306925-002	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	YES	YES	1.8M	
C-2	YES	YES	1.8M	
C-3	YES	NO	1.7M	
C-4	YES	NO	1.9M	
C-5	NO	NO	1.8M	
C-6	YES	NO	1.8M	
C-7	YES	NO	1.0M	
C-8	YES	NO	1.8M	
C-9	YES	NO	1.7M	
C-10	NO	NO	1.0M	
C-11	NO	NO	10.0M	

Note:

(1) The support equipment was authorized by Declaration of Conformity.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION (FREQUENCY RANGE 150KHZ-30MHZ)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00042991	Feb. 7, 2011
2	Test Cable	N/A	SR03_C_01 &02	N/A	Aug. 19, 2010
3	Pulse Limiter	Electro-Metrics	EM-7600	112644	Dec. 27, 2010
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 16, 2011
5	50Ω BNC TYPE Terminator	N/A	N/A	01	May 25, 2011
6	50Ω BNC TYPE Terminator	N/A	N/A	03	May 25, 2011
7	LISN	EMCO	4825/2	00028234	Jul. 13, 2010

Remark: ” N/A” denotes No Model Name , Serial No. or No Calibration specified.

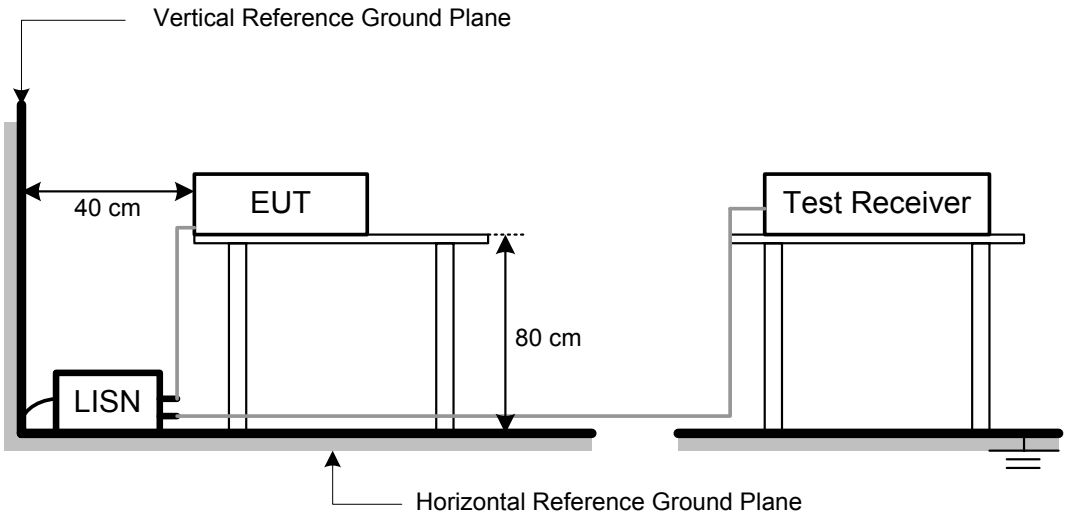
4.1.3 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



4.1.6 EUT OPERATING CONDITIONS

The EUT exercise program (EMC.exe) used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The program contained on a PC hard disk and is auto-starting on power-up. Once loaded, the program sequentially exercises each system component in turn. The sequence used is:

1. Read (write) from (to) mass storage device (iPod & External HDD).
2. Send "H" pattern to video port device (Monitor).
3. Send " H " pattern to serial port device (Modem).
4. Send/Receive data to/from remote system.
5. Send/Receive audio to/from audio devices.
6. Repeated from 2 to 5 continuously.

As the keyboard and mouse are strictly input devices, no data is transmitted to (from) them during test. They are, however, continuously scanned for data input activity.

4.1.7 TEST RESULTS

E.U.T :	Flexible Embedded System	Model Name :	FES-6110
Temperature :	24°C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)		

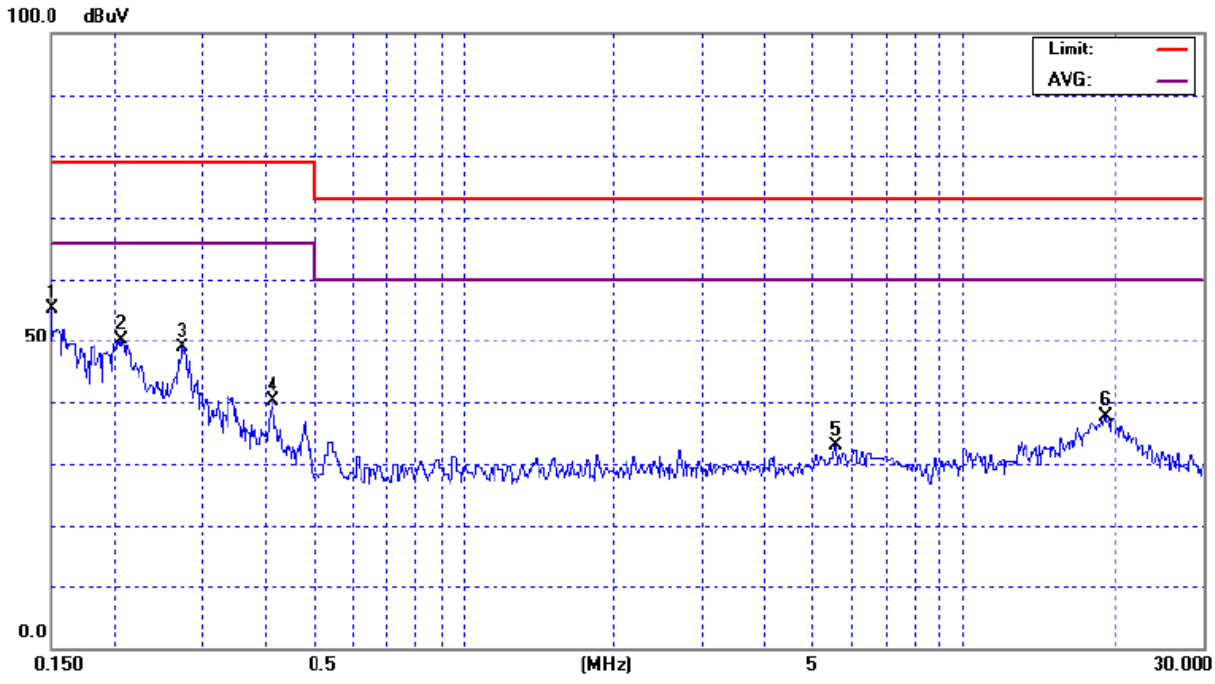
Freq.	Terminal	Measured(dBuV)		Limits(dBuV)		Margin	Note
(MHz)	L/N	QP-Mode	AV-Mode	QP-Mode	AV-Mode	(dB)	
0.15	Line	55.01	*	79.00	66.00	-23.99	(QP)
0.21	Line	50.18	*	79.00	66.00	-28.82	(QP)
0.27	Line	48.98	*	79.00	66.00	-30.02	(QP)
0.42	Line	40.19	*	79.00	66.00	-38.81	(QP)
5.55	Line	32.88	*	73.00	60.00	-40.12	(QP)
19.15	Line	37.57	*	73.00	60.00	-35.43	(QP)

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.2 sec./MHz 。

(2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform。In this case, a " * " marked in AVG Mode column of Interference Voltage Measured。

(3) Measuring frequency range from 150KHz to 30MHz。



E.U.T :	Flexible Embedded System	Model Name :	FES-6110
Temperature :	24°C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)		

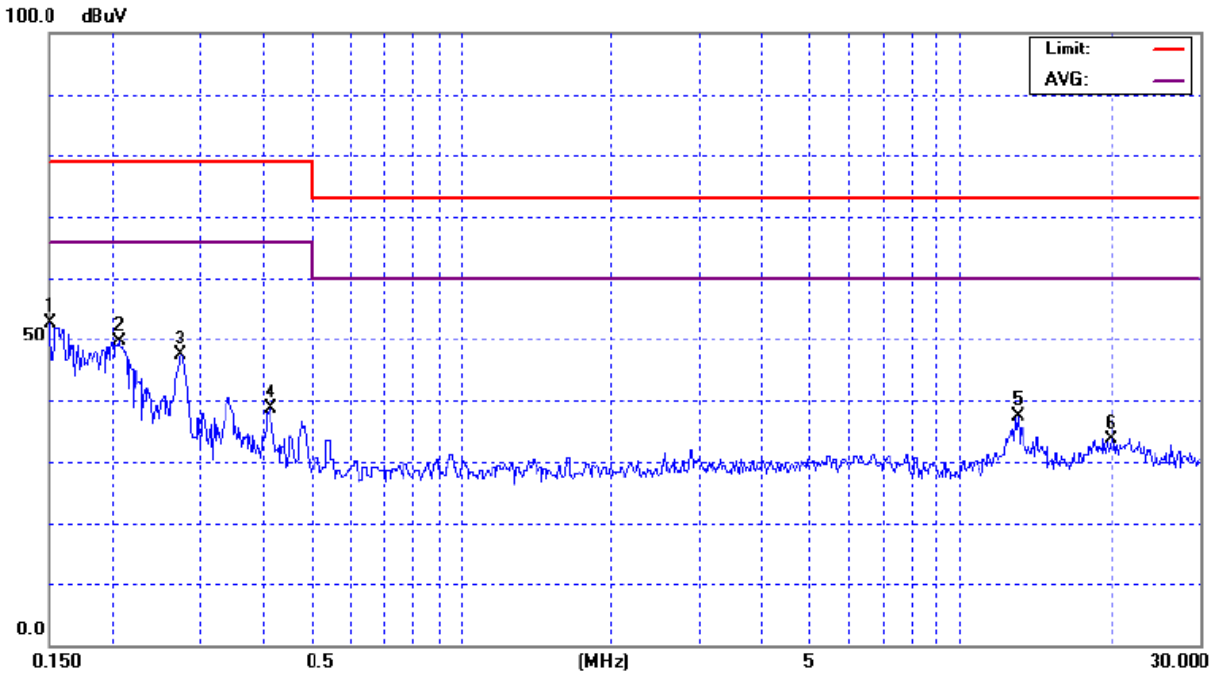
Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.15	Neutral	52.71	*	79.00	66.00	-26.29	(QP)
0.21	Neutral	49.66	*	79.00	66.00	-29.34	(QP)
0.27	Neutral	47.45	*	79.00	66.00	-31.55	(QP)
0.41	Neutral	38.68	*	79.00	66.00	-40.32	(QP)
13.05	Neutral	37.32	*	73.00	60.00	-35.68	(QP)
20.00	Neutral	33.70	*	73.00	60.00	-39.30	(QP)

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.2 sec./MHz 。

(2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform。In this case, a " * " marked in AVG Mode column of Interference Voltage Measured 。

(3) Measuring frequency range from 150KHz to 30MHz 。



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT (BELOW 1000MHZ)

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
	dBuV/m	dBuV/m
30 – 230	40	30
230 – 1000	47	37

Notes:

(1) The limit for radiated test was performed according to as following: CISPR 22/ FCC PART 15B /ICES-003.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RADIATED EMISSION MEASUREMENT (ABOVE 1000MHZ)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15B.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

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

4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Log-Bicon Antenna	Schwarzbeck	VULB 9160	3173	Oct. 15, 2010
2	Pre-Amplifier	Anritsu	MH648A	M98457	Jan. 18, 2011
3	Test Cable	N/A	10M-OS01	N/A	Jun. 18, 2010
4	Test Cable	N/A	OS02	01	Jun. 23, 2010
5	EMI Test Receiver	R&S	ESCI	100082	Mar. 16, 2011
6	System Controller (OS02)	CT	SC100	N/A	N/A
7	Turn Table	Chance Most	CMTB-1.5	N/A	N/A
8	Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-546	May. 19, 2010
9	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Apr. 19, 2011
10	Microflex Cable	N/A	N/A	1m	May. 20, 2010
11	Microflex Cable	AISI	S104-SMAP-1	10m	Aug. 23, 2010
12	Microflex Cable	N/A	N/A	3m	Aug. 23, 2010
13	Spectrum Analyzer	R&S	FSP-40	100129	Sep. 10, 2010

Remark: ” N/A” denotes No Model Name / Serial No. and No Calibration specified.

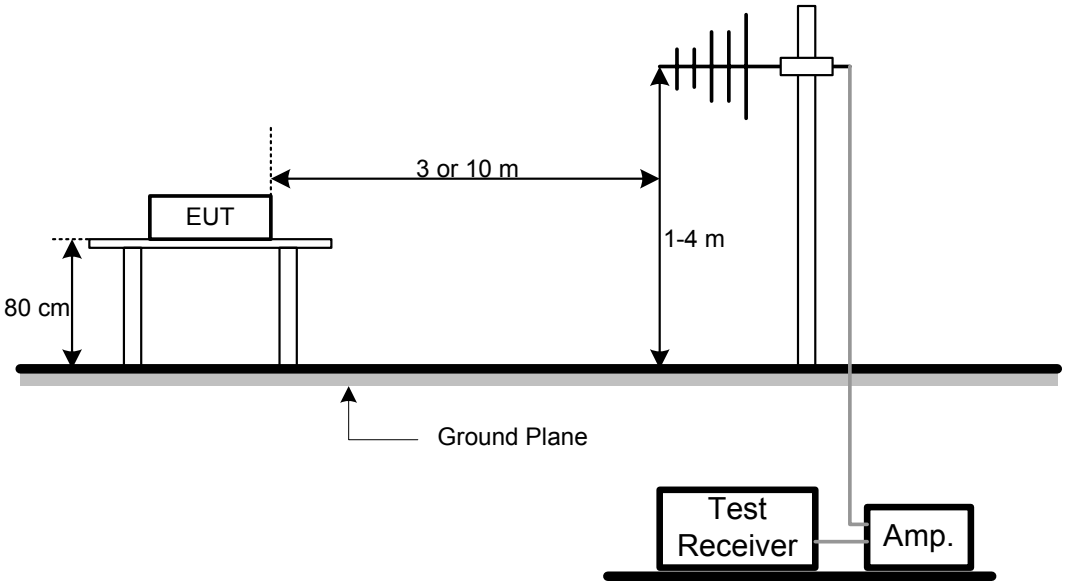
4.2.3 TEST PROCEDURE

a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting radiated emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.7 TEST RESULTS-BETWEEN 30MHZ AND 1000MHZ

E.U.T :	Flexible Embedded System	Model Name :	FES-6110
Temperature :	32°C	Relative Humidity :	58%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
82.33	V	40.14	-9.91	30.23	40.00	- 9.77	
180.94	V	40.85	-5.89	34.96	40.00	- 5.04	
240.00	V	48.00	-5.75	42.25	47.00	- 4.75	(QP)
365.15	V	38.59	-2.31	36.28	47.00	- 10.72	
647.34	V	31.22	4.17	35.39	47.00	- 11.61	
719.98	V	39.17	5.18	44.35	47.00	- 2.65	

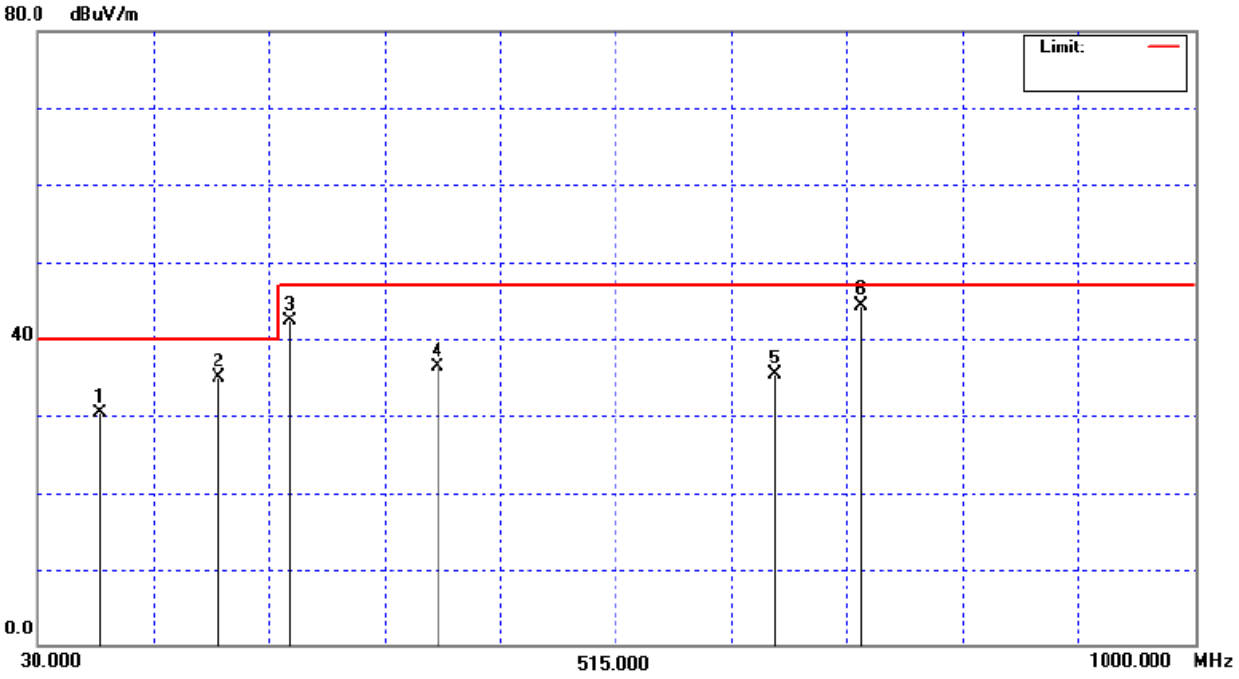
Remark：

(1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz；SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz。

(2) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measure-ment didn't perform。

(3) Measuring frequency range from 30MHz to 1000MHz。

(4) If the peak scan value lower limit more than 20dB, then this signal data does not how in table。



E.U.T :	Flexible Embedded System	Model Name :	FES-6110
Temperature :	32°C	Relative Humidity :	58%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
144.02	H	33.64	-4.83	28.81	40.00	- 11.19	
180.94	H	37.19	-5.89	31.30	40.00	- 8.70	
240.01	H	49.60	-5.75	43.85	47.00	- 3.15	(QP)
365.13	H	36.88	-2.32	34.56	47.00	- 12.44	
432.97	H	37.22	-0.16	37.06	47.00	- 9.94	
720.00	H	38.60	5.18	43.78	47.00	- 3.22	

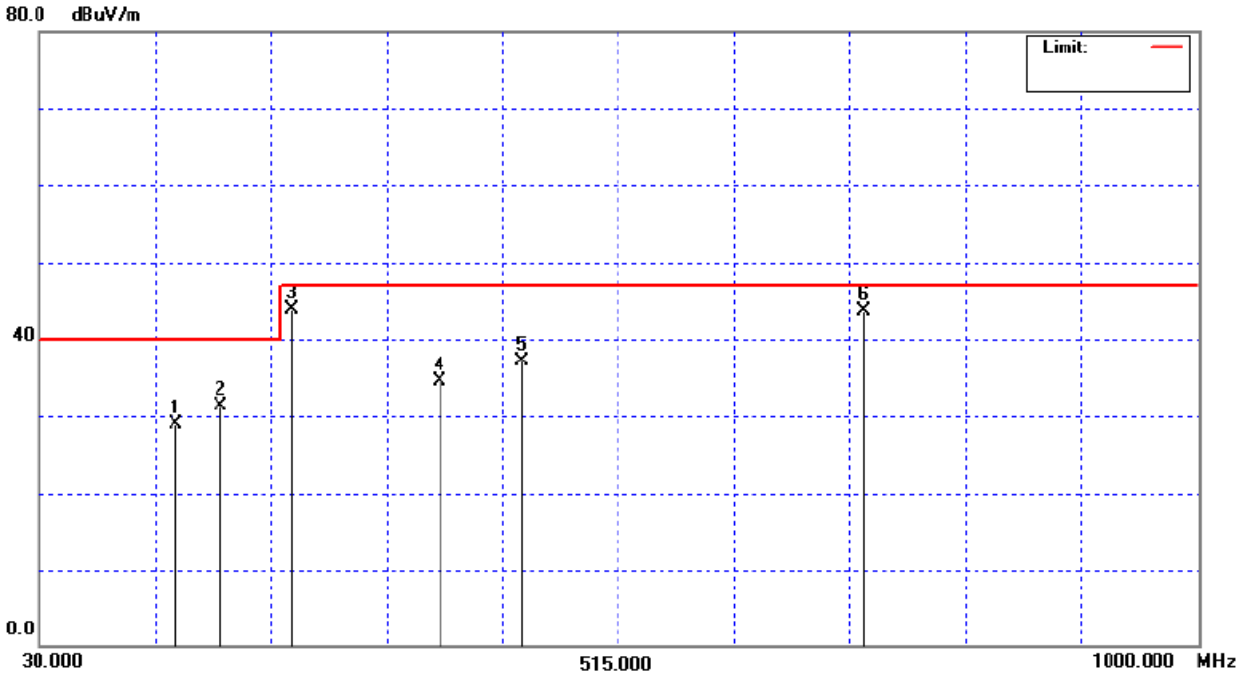
Remark：

(1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz；SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz。

(2) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measure-ment didn't perform。

(3) Measuring frequency range from 30MHz to 1000MHz。

(4) If the peak scan value lower limit more than 20dB, then this signal data does not how in table。



4.2.8 TEST RESULTS-ABOVE 1000MHZ

E.U.T :	Flexible Embedded System	Model Name :	FES-6110
Temperature :	23°C	Relative Humidity :	54%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)		

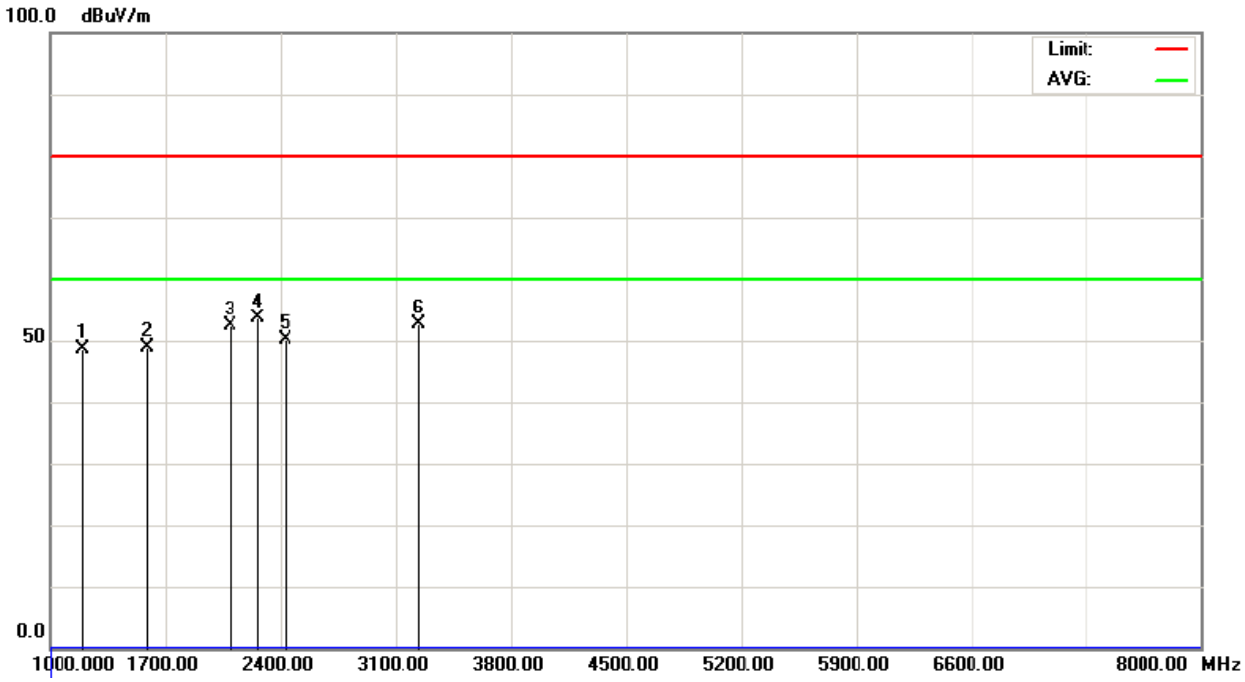
Freq. (MHz)	Ant.Pol. (H/V)	Reading(dBuV)		Ant./CF CF(dB)	Act.(dBuV/m)		Limit(dBuV/m)		Note
		Peak	AV		Peak	AV	Peak	AV	
1196.00	V	55.39	*	-6.85	48.54	*	80.00	60.00	
1588.00	V	53.83	*	-4.98	48.85	*	80.00	60.00	
2092.00	V	56.22	*	-3.82	52.40	*	80.00	60.00	
2260.00	V	56.87	*	-3.17	53.70	*	80.00	60.00	
2428.00	V	52.60	*	-2.53	50.07	*	80.00	60.00	
3240.00	V	53.97	*	-1.25	52.72	*	80.00	60.00	

Remark：

(1) Reading in which marked as PK means measurements by using are Peak Mode with instrument setting in RBW= 1 MHz, VBW= 1 MHz, Swp. Time = Auto.
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW= 1 MHz, VBW= 10 Hz, Swp. Time = Auto.

(2) All readings are PK Mode value unless otherwise stated AVG in column of『Note』. If the PK Mode Measured value compliance with the PK Limits and lower than AVG Limits, the EUT shall be deemed to meet both PK & AVG Limits and then only PK Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.

(3) Measuring frequency range above 1000MHz.



E.U.T :	Flexible Embedded System	Model Name :	FES-6110
Temperature :	23°C	Relative Humidity :	54%
Test Voltage :	AC 120V/60Hz		
Test Mode :	FULL SYSTEM D-SUB+DVI 1600*1200/60Hz (FES-6110)		

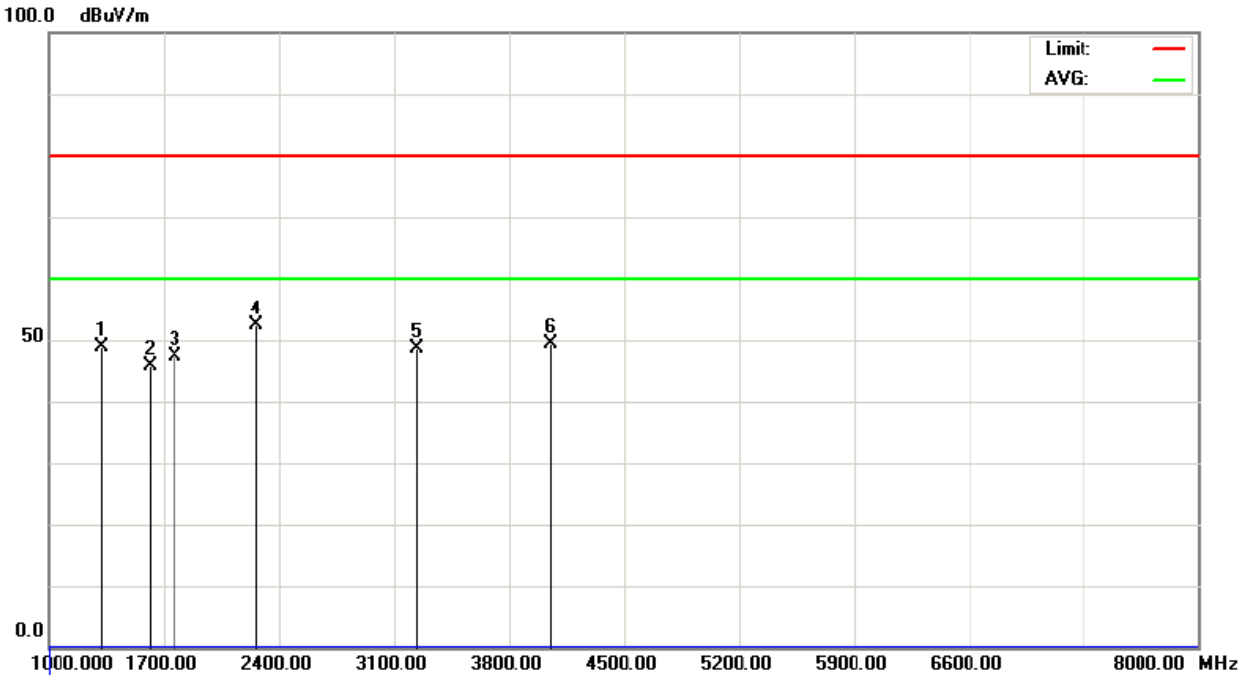
Freq. (MHz)	Ant.Pol. (H/V)	Reading(dBuV)		Ant./CF CF(dB)	Act.(dBuV/m)		Limit(dBuV/m)		Note
		Peak	AV		Peak	AV	Peak	AV	
1322.00	H	55.04	*	-6.14	48.90	*	80.00	60.00	
1616.00	H	50.89	*	-4.92	45.97	*	80.00	60.00	
1770.00	H	52.00	*	-4.62	47.38	*	80.00	60.00	
2260.00	H	55.46	*	-3.17	52.29	*	80.00	60.00	
3240.00	H	49.92	*	-1.25	48.67	*	80.00	60.00	
4052.00	H	47.79	*	1.48	49.27	*	80.00	60.00	

Remark：

(1) Reading in which marked as PK means measurements by using are Peak Mode with instrument setting in RBW= 1 MHz, VBW= 1 MHz, Swp. Time = Auto.
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW= 1 MHz, VBW= 10 Hz, Swp. Time = Auto.

(2) All readings are PK Mode value unless otherwise stated AVG in column of『Note』. If the PK Mode Measured value compliance with the PK Limits and lower than AVG Limits, the EUT shall be deemed to meet both PK & AVG Limits and then only PK Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.

(3) Measuring frequency range above 1000MHz.



5. EUT TEST PHOTO

Conducted Measurement Photos

Radiated Measurement Photos

BETWEEN 30MHZ AND 1000MHZ

Radiated Measurement Photos

ABOVE 1000MHZ