



## Test Report

Product Name : Network Camera

Model No. : IP8172, IP8172P

Applicant : VIVOTEK INC.

Address : 6F, No.192, Lien-Cheng Rd., Chung-Ho,  
New Taipei City, 235, Taiwan, R.O.C.

Date of Receipt : 2012/08/31

Issued Date : 2012/09/21

Report No. : 129088R-ITJPP05V01

Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF, NVLAP, NIST or any agency of the Government. The test report shall not be reproduced except in full without the written approval of Quietek Corporation.

# Test Report Certification

Issued Date : 2012/09/21

Report No. : 129088R-ITJPP05V01



Product Name : Network Camera

Applicant : VIVOTEK INC.

Address : 6F, No.192, Lien-Cheng Rd., Chung-Ho, New Taipei City, 235,  
Taiwan, R.O.C.

Manufacturer : VIVOTEK INC.

Model No. : IP8172, IP8172P

EUT Rated Voltage : AC 24V, DC 12V, By POE


EUT Test Voltage : AC 24V, DC 12V, By POE


Trade Name : VIVOTEK


Applicable Standard : VCCI: 2012-04 Class A

Test Result : Complied

Performed Location : Quietek Corporation (Linkou Laboratory)  
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 ( Manager / Vincent Lin )

## Laboratory Information

We, **QuietTek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scopes:

<b>Taiwan R.O.C.</b>	<b>:</b>	<b>BSMI, NCC, TAF</b>
<b>Norway</b>	<b>:</b>	<b>Nemko, DNV</b>
<b>USA</b>	<b>:</b>	<b>FCC, NVLAP</b>
<b>Japan</b>	<b>:</b>	<b>VCCI</b>

The related certificate for our laboratories about the test site and management system can be downloaded from QuietTek Corporation's Web Site : <http://www.quietek.com/tw/ctg/cts/accreditations.htm>

The address and introduction of QuietTek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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## 1. General Information

### 1.1. EUT Description

Product Name	Network Camera
Trade Name	VIVOTEK
Model No.	IP8172, IP8172P

Component	
Power Adapter (1)	MFR: ENG, M/N: 3A-183WP12 Input: AC 100-240V, 50-60Hz, 0.6A Output: DC 12V, 1.5A Cable Out: Non-Shielded, 1.8m
Power Adapter (2) (Optional)	MFR: PTC, M/N: N/A Input: AC 110/220V Output: AC 24V Cable IN: Non-Shielded, 1m Cable Out: Non-Shielded, 1m

Note: The different of the each model is shown as below:

Model No.	Description
IP8172	DC IRIS
IP8172P	P IRIS
Note: DC IRIS and P IRIS are LENS is dissimilar	

**1.2. Mode of Operation**

Quietek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
Mode 1: AC 24V Mode 2: DC 12V Mode 3: PoE	
Final Test Mode	
Conducted Emission	Mode 1: AC 24V Mode 2: DC 12V
Impedance Stabilization Network	Mode 1: AC 24V Mode 2: DC 12V Mode 3: PoE
Radiated Emission	Mode 1: AC 24V Mode 2: DC 12V Mode 3: PoE

### 1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

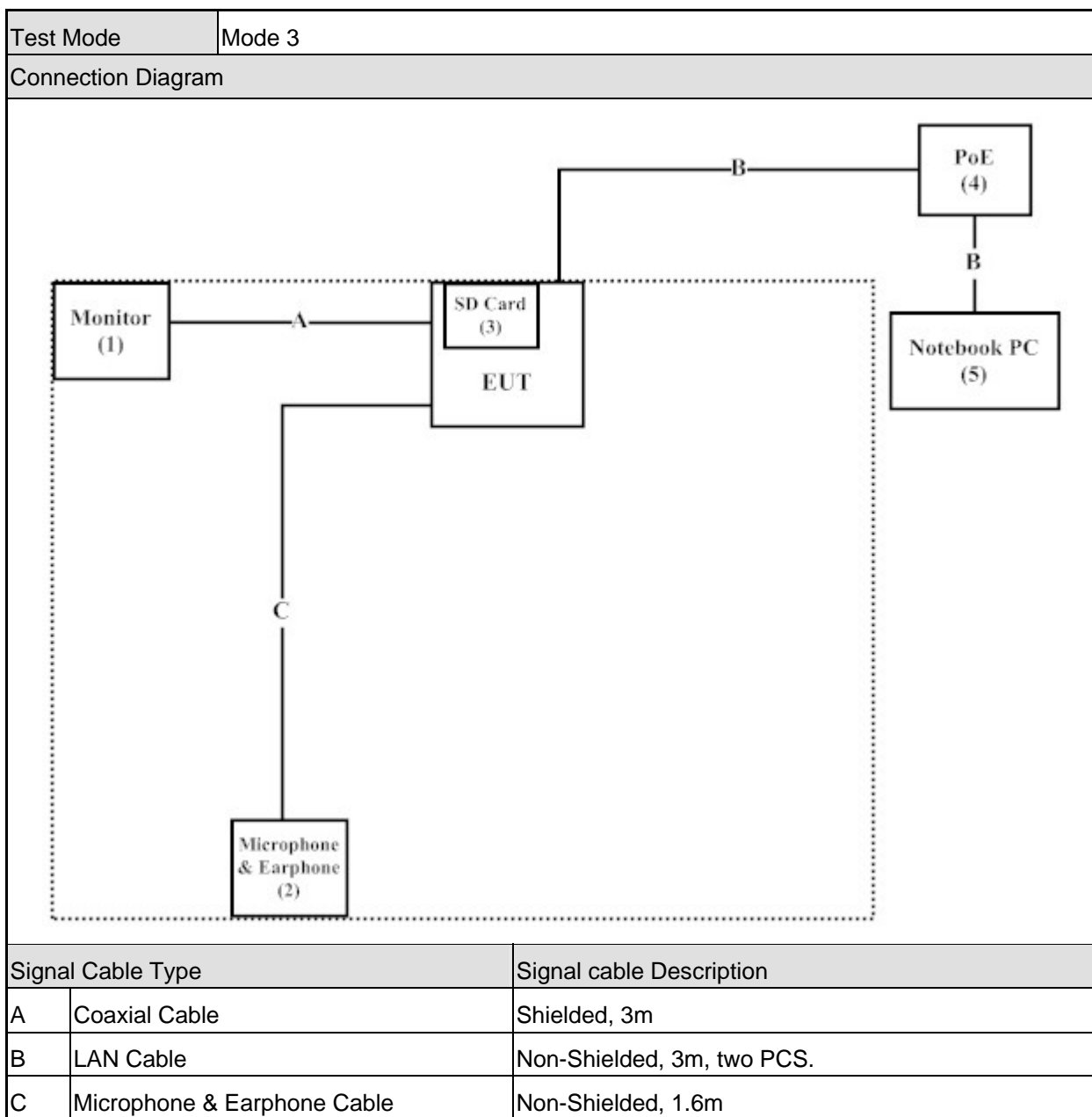
Test Mode		Mode 1, Mode 2			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Monitor	SONY	PVM-14M2U	2105742	Non-Shielded, 1.8m
2	Microphone & Earphone	Ergotech	ET-E201	N/A	N/A
3	SD Card (2GB)	Transcend	TS2GSDC	256987 7612	N/A
4	Notebook PC	DELL	PP04X	C8YYM1S	Non-Shielded, 1.8m

Test Mode		Mode 3			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Monitor	SONY	PVM-14M2U	2105742	Non-Shielded, 1.8m
2	Microphone & Earphone	Ergotech	ET-E201	N/A	N/A
3	SD Card 2GB	Transcend	TS2GSDC	256987 7612	N/A
4	PoE	VIVOTEK	IJ-1748NDN	N/A	Non-Shielded, 1.8m
5	Notebook PC	DELL	PP04X	C8YYM1S	Non-Shielded, 1.8m

### 1.4. Configuration of Tested System

Test Mode	Mode 1, Mode 2	
Connection Diagram		
<p>The diagram illustrates the configuration of the tested system. A dashed rectangular box encloses the following components: Monitor (1), SD Card (3), EUT (Equipment Under Test), and Microphone &amp; Earphone (2). Cable A connects the Monitor to the SD Card. Cable B connects the EUT to the Notebook PC (4). Cable C connects the EUT to the Microphone &amp; Earphone.</p>		
Signal Cable Type		Signal cable Description
A	Coaxial Cable	Shielded, 3m
B	LAN Cable	Non-Shielded, 3m
C	Microphone & Earphone Cable	Non-Shielded, 1.6m





## 1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.4.
2	Turn on the power of all equipment.
3	The EUT will start to operate and display the video figure from the signal source.
4	The EUT will display “video figure” on monitor.
5	SD Card works while the EUT is recording.
6	Repeat the above procedure (3) to (5).

**2. Technical Test**

**2.1. Summary of Test Result**

- No deviations from the test standards
- Deviations from the test standards as below description:

Emission			
Performed Item	Normative References	Test Performed	Deviation
Conducted Emission	VCCI: 2012-04 Class A	Yes	No
Impedance Stabilization Network	VCCI: 2012-04 Class A	Yes	No
Radiated Emission	VCCI: 2012-04 Class A	Yes	No

## 2.2. List of Test Equipment

### Conducted Emission / SR1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESCS 30	838251/001	2012/06/05
LISN	R&S	ESH3-Z5	836679/023	2012/01/12
LISN	R&S	ENV216	100085	2012/02/13
Pulse Limiter	R&S	ESH3-Z2	357.8810.52-1	2012/09/16

### Impedance Stabilization Network / SR1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Capacitive Voltage Probe	Schaffner	CVP2200A	18331	2011/11/23
EMI Test Receiver	R&S	ESCS 30	838251/001	2012/06/05
LISN	R&S	ENV216	100085	2012/02/13
LISN	R&S	ESH3-Z5	836679/023	2012/01/12
Pulse Limiter	R&S	ESH3-Z2	357.8810.52-1	2012/09/16
RF Current Probe	FCC	F-65 10KHz~1GHz	198	2011/10/25
BALANCED TELECOM ISN	FCC	FCC-TLISN-T2-02	20316	2012/07/22
Impedance Stabilization Network	Teseq	ISN T800	30303	2012/03/10

### Radiated Emission / Site 7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESCI	100648	2011/10/13
Bilog Antenna	Schaffner Chase	CBL6112B	2930	2012/07/06
Pre-Amplifier	QTK	AP-025C	071919	2012/07/07
Site7 NSA	QTK	N/A	N/A	2012/06/27

### Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	Agilent	E4440A	MY46185846	2011/12/12
Horn Antenna	ETS-Lindgren	3117	00135205	2012/03/30
Horn Antenna	SCHWARZBECK	9120D	576	2011/11/14
Pre-Amplifier	Quietek	AP-180C	CHM/071920	2012/07/12
CB7 VSWR	QTK	N/A	N/A	2012/08/25

### VCCI Test Site:

Test Item	Test Site	VCCI No.
Conducted Emission	SR1	C-2428
Conducted Emission (Telecommunication Port)	SR1	T-1473
Radiated Emission	Site 7	R-3748
Radiated Emission (Above 1GHz)	CB7(9x6x6_Chamber)	G-35

### **2.3. Measurement Uncertainty**

#### Conducted Emission

The measurement uncertainty is evaluated as  $\pm 2.26$  dB.

#### Impedance Stabilization Network

The measurement uncertainty is evaluated as  $\pm 2.26$  dB.

#### Radiated Emission

The measurement uncertainty is evaluated as  $\pm 3.19$  dB.

**2.4. Test Environment**

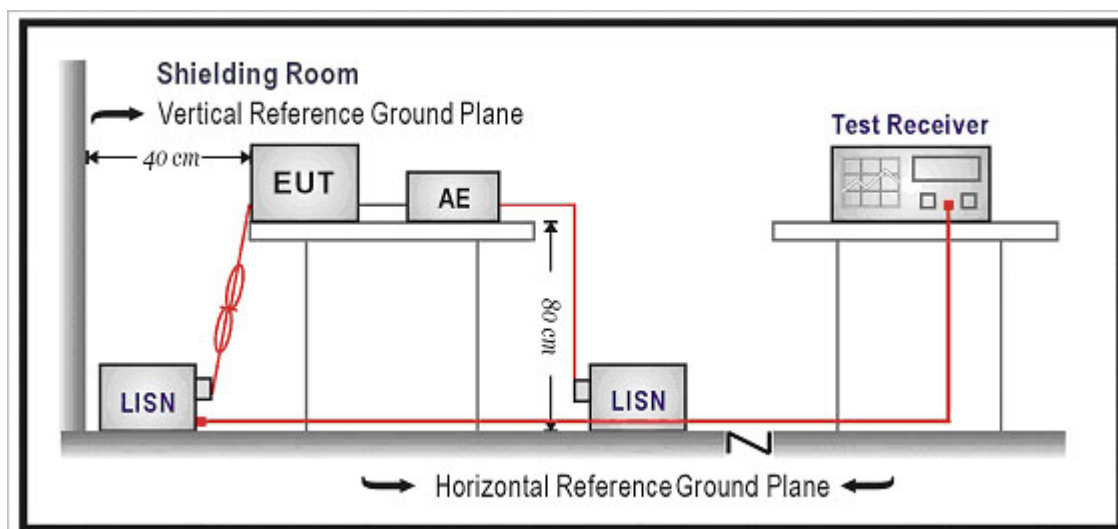
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	25.5
	Humidity (%RH)	25-75	53
	Barometric pressure (mbar)	860-1060	950-1000
Impedance Stabilization Network	Temperature (°C)	15-35	25.5
	Humidity (%RH)	25-75	53
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	25.8
	Humidity (%RH)	25-75	58
	Barometric pressure (mbar)	860-1060	950-1000

### 3. Conducted Emission

#### 3.1. Test Specification

According to EMC Standard : VCCI

#### 3.2. Test Setup



#### 3.3. Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	79	66
0.50-5.0	73	60
5.0 - 30	73	60

Remarks: In the above table, the tighter limit applies at the band edges.

### 3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.

(Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to VCCI on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

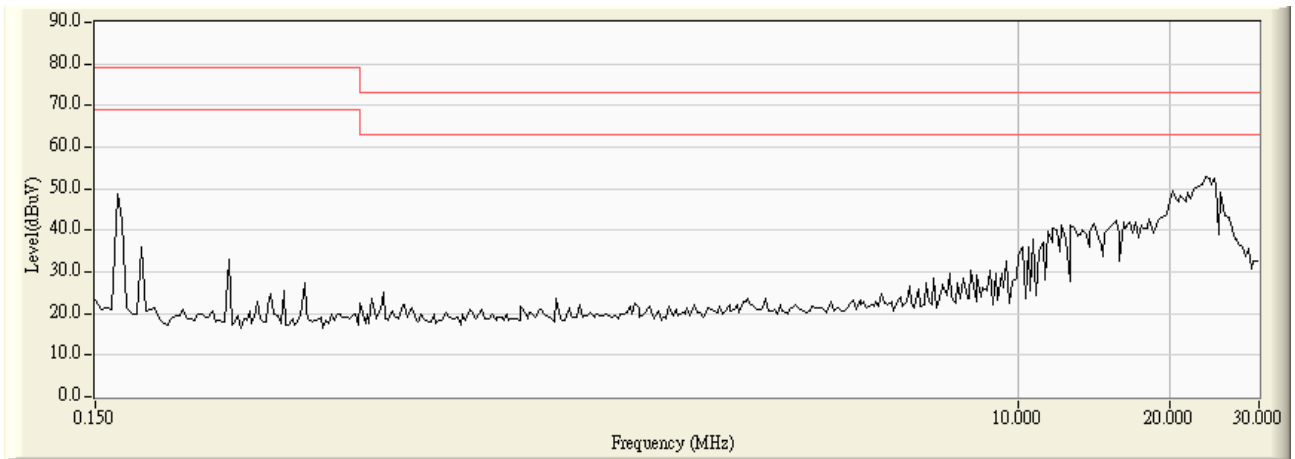
### 3.5. Deviation from Test Standard

No deviation.

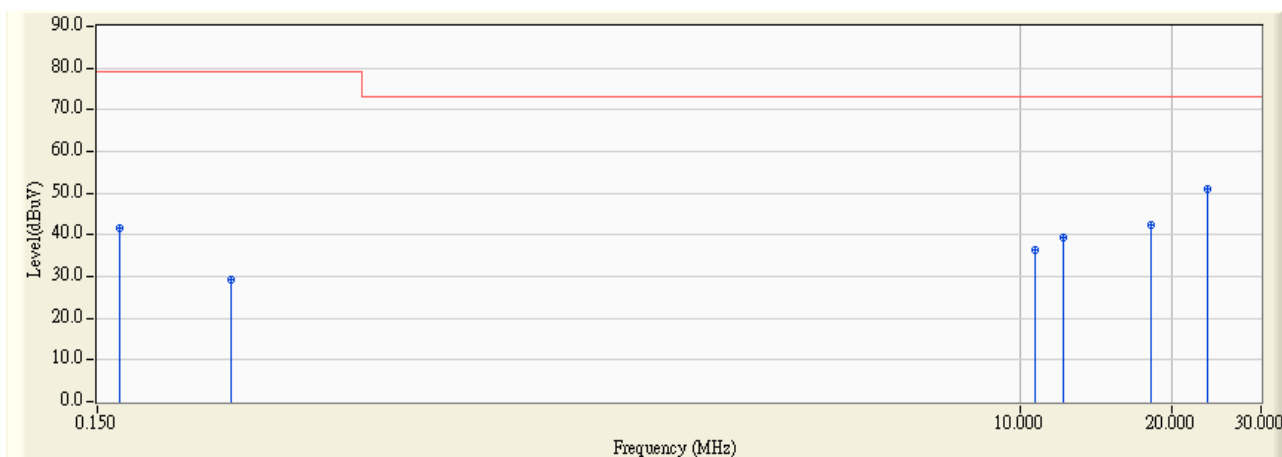


### 3.6. Test Result

Site : SR1	Time : 2012/09/05 - 00:18
Limit : CISPR_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : ENV_216_L1 - Line1
Power : AC 100V/50Hz to AC 24V	Note : Mode 1



Site : SR1	Time : 2012/09/05 - 00:20
Limit : CISPR_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : ENV_216_L1 - Line1
Power : AC 100V/50Hz to AC 24V	Note : Mode 1



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.821	31.710	41.531	-37.469	79.000	QUASPEAK
2		0.275	9.821	19.280	29.101	-49.899	79.000	QUASPEAK
3		10.740	10.010	26.420	36.430	-36.570	73.000	QUASPEAK
4		12.205	10.010	29.440	39.450	-33.550	73.000	QUASPEAK
5		18.244	10.094	32.250	42.344	-30.656	73.000	QUASPEAK
6	*	23.437	10.140	40.850	50.990	-22.010	73.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/05 - 00:20
Limit : CISPR_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : ENV_216_L1 - Line1
Power : AC 100V/50Hz to AC 24V	Note : Mode 1

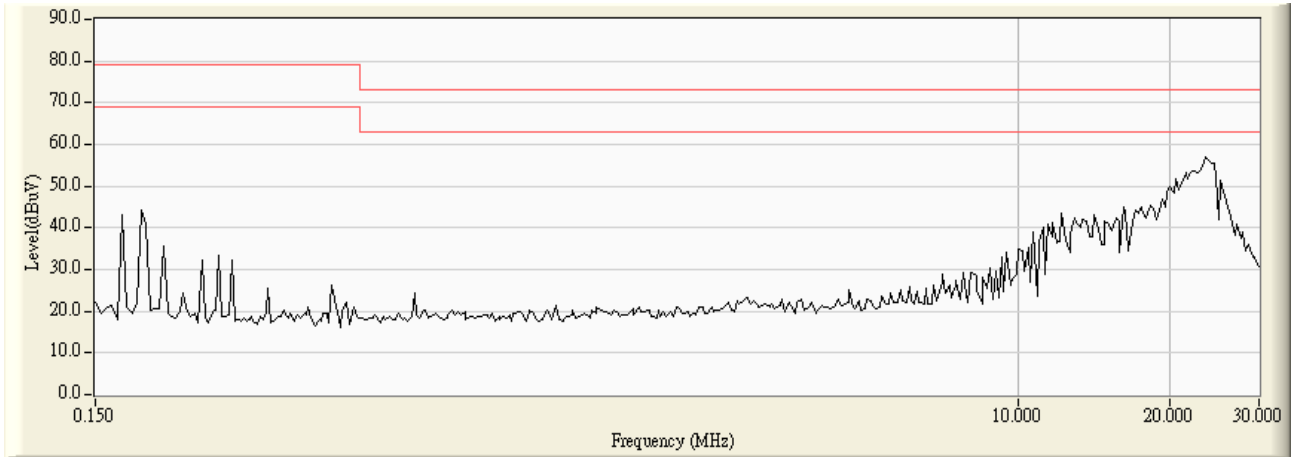


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.821	3.440	13.261	-52.739	66.000	AVERAGE
2		0.275	9.821	-2.790	7.031	-58.969	66.000	AVERAGE
3		10.740	10.010	19.450	29.460	-30.540	60.000	AVERAGE
4		12.205	10.010	22.520	32.530	-27.470	60.000	AVERAGE
5		18.244	10.094	28.480	38.574	-21.426	60.000	AVERAGE
6	*	23.437	10.140	34.780	44.920	-15.080	60.000	AVERAGE

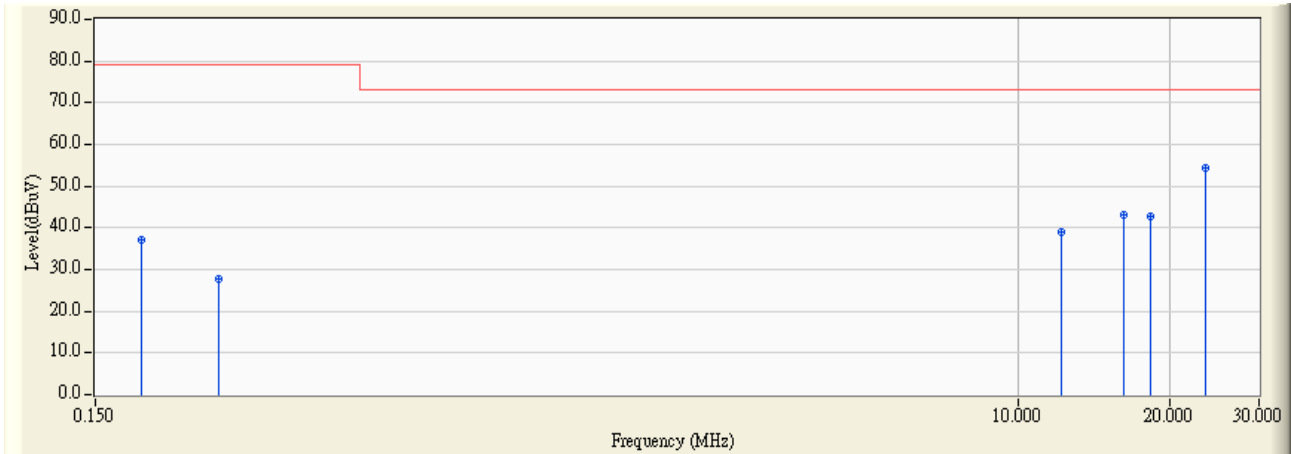
**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/05 - 00:21
Limit : CISPR_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : ENV_216_N - Line2
Power : AC 100V/50Hz to AC 24V	Note : Mode 1



Site : SR1	Time : 2012/09/05 - 00:22
Limit : CISPR_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : ENV_216_N - Line2
Power : AC 100V/50Hz to AC 24V	Note : Mode 1



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.185	9.861	27.350	37.211	-41.789	79.000	QUASIPeAK
2		0.263	9.861	17.740	27.601	-51.399	79.000	QUASIPeAK
3		12.201	10.090	28.820	38.910	-34.090	73.000	QUASIPeAK
4		16.228	10.165	33.010	43.175	-29.825	73.000	QUASIPeAK
5		18.302	10.226	32.380	42.606	-30.394	73.000	QUASIPeAK
6	*	23.435	10.310	43.930	54.240	-18.760	73.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/05 - 00:22
Limit : CISPR_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : ENV_216_N - Line2
Power : AC 100V/50Hz to AC 24V	Note : Mode 1

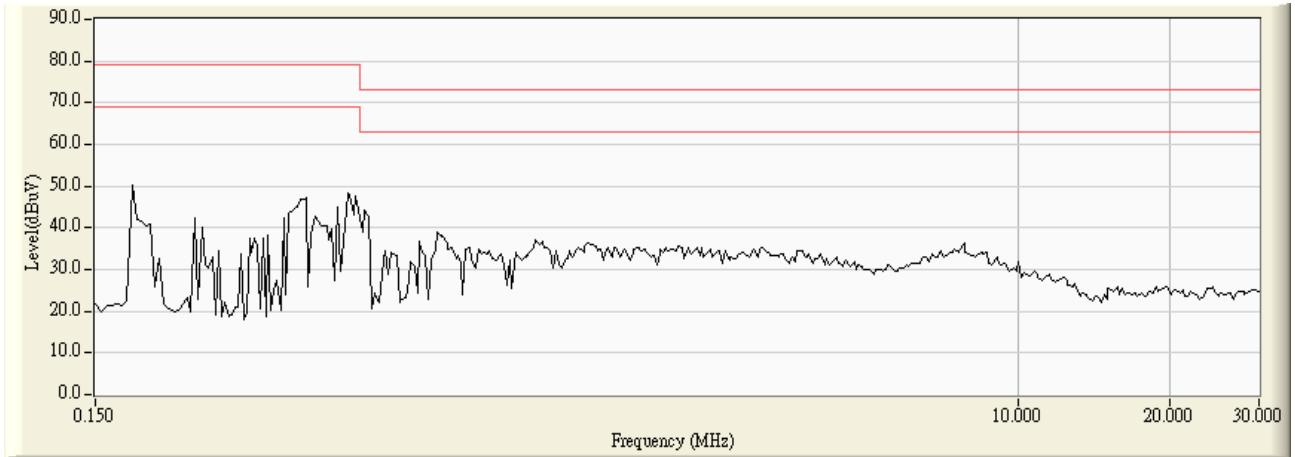


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.185	9.861	1.280	11.141	-54.859	66.000	AVERAGE
2		0.263	9.861	-3.330	6.531	-59.469	66.000	AVERAGE
3		12.201	10.090	22.030	32.120	-27.880	60.000	AVERAGE
4		16.228	10.165	29.260	39.425	-20.575	60.000	AVERAGE
5		18.302	10.226	28.220	38.446	-21.554	60.000	AVERAGE
6	*	23.435	10.310	38.850	49.160	-10.840	60.000	AVERAGE

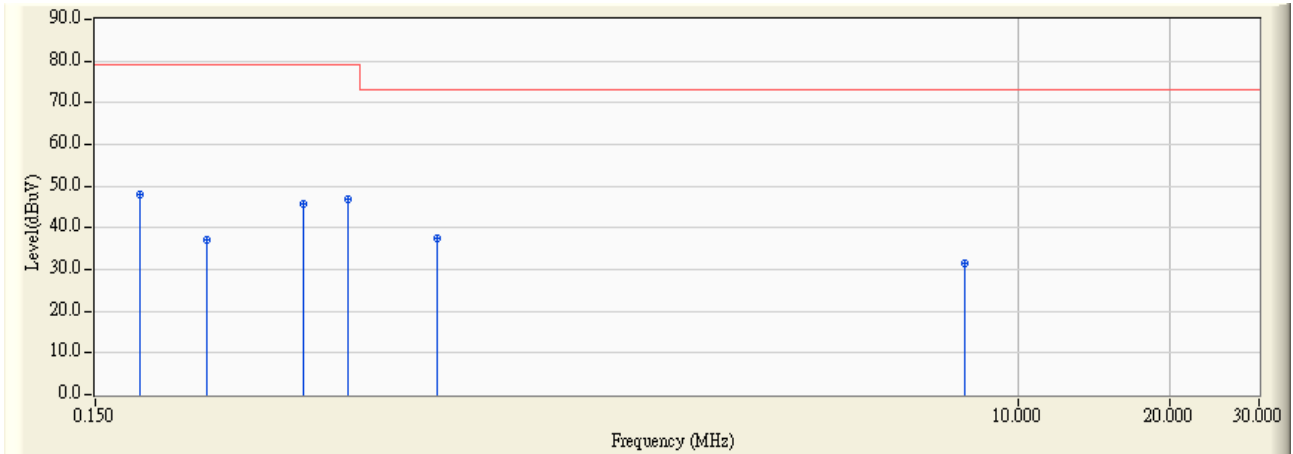
**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/04 - 23:34
Limit : CISPR_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : ENV_216_L1 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2



Site : SR1	Time : 2012/09/04 - 23:35
Limit : CISPR_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : ENV_216_L1 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2



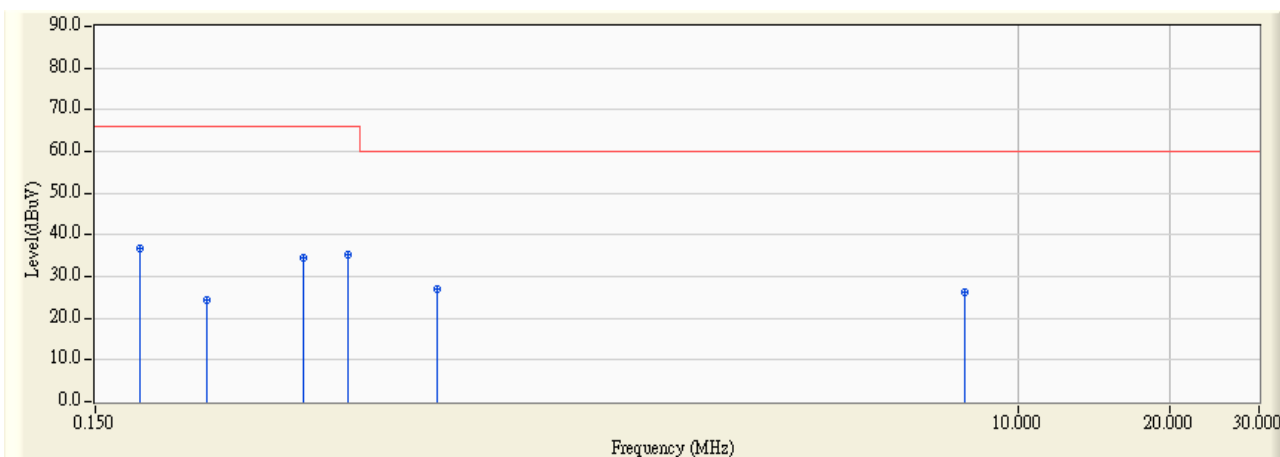
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.184	9.821	38.040	47.861	-31.139	79.000	QUASIPeAK
2		0.250	9.821	27.310	37.131	-41.869	79.000	QUASIPeAK
3		0.386	9.822	35.830	45.652	-33.348	79.000	QUASIPeAK
4	*	0.475	9.822	37.000	46.822	-32.178	79.000	QUASIPeAK
5		0.713	9.823	27.620	37.443	-35.557	73.000	QUASIPeAK
6		7.841	9.990	21.470	31.460	-41.540	73.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Site : SR1	Time : 2012/09/04 - 23:35
Limit : CISPR_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : ENV_216_L1 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2

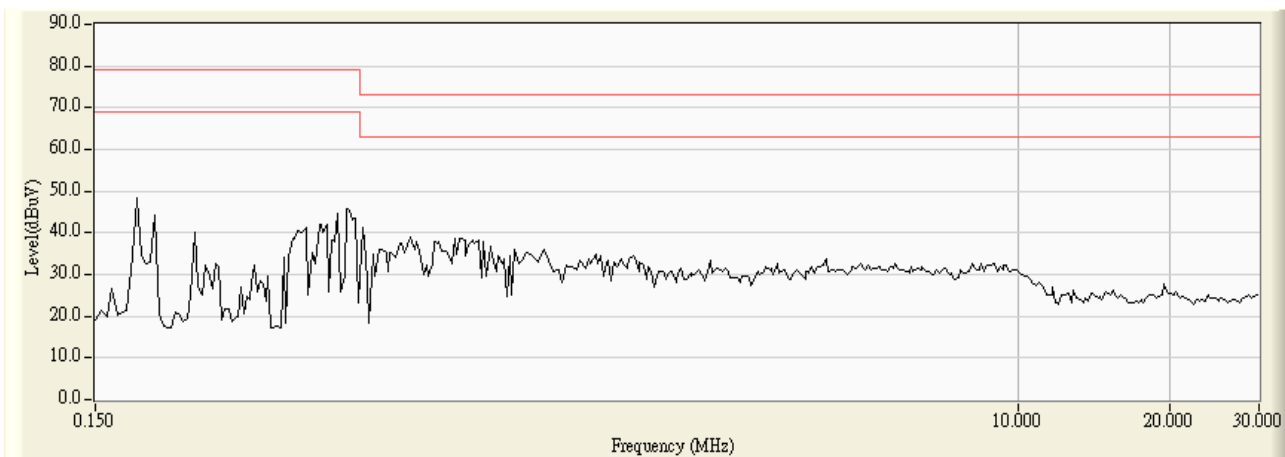


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.184	9.821	26.860	36.681	-29.319	66.000	AVERAGE
2		0.250	9.821	14.530	24.351	-41.649	66.000	AVERAGE
3		0.386	9.822	24.560	34.382	-31.618	66.000	AVERAGE
4	*	0.475	9.822	25.400	35.222	-30.778	66.000	AVERAGE
5		0.713	9.823	17.330	27.153	-32.847	60.000	AVERAGE
6		7.841	9.990	16.170	26.160	-33.840	60.000	AVERAGE

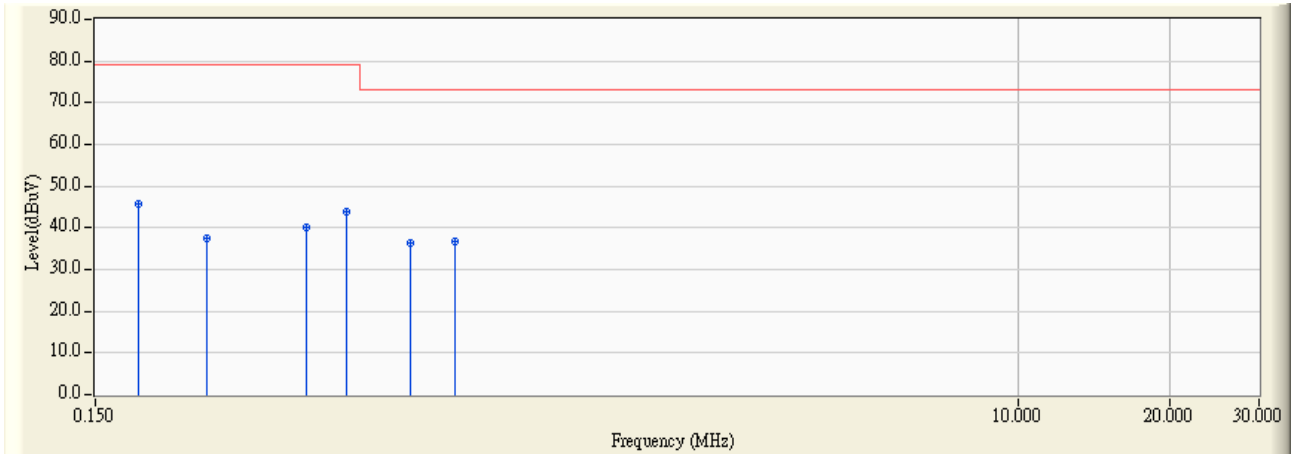
**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/04 - 23:35
Limit : CISPR_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : ENV_216_N - Line2
Power : AC 100V/50Hz to DC 12V	Note : Mode 2



Site : SR1	Time : 2012/09/04 - 23:36
Limit : CISPR_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : ENV_216_N - Line2
Power : AC 100V/50Hz to DC 12V	Note : Mode 2

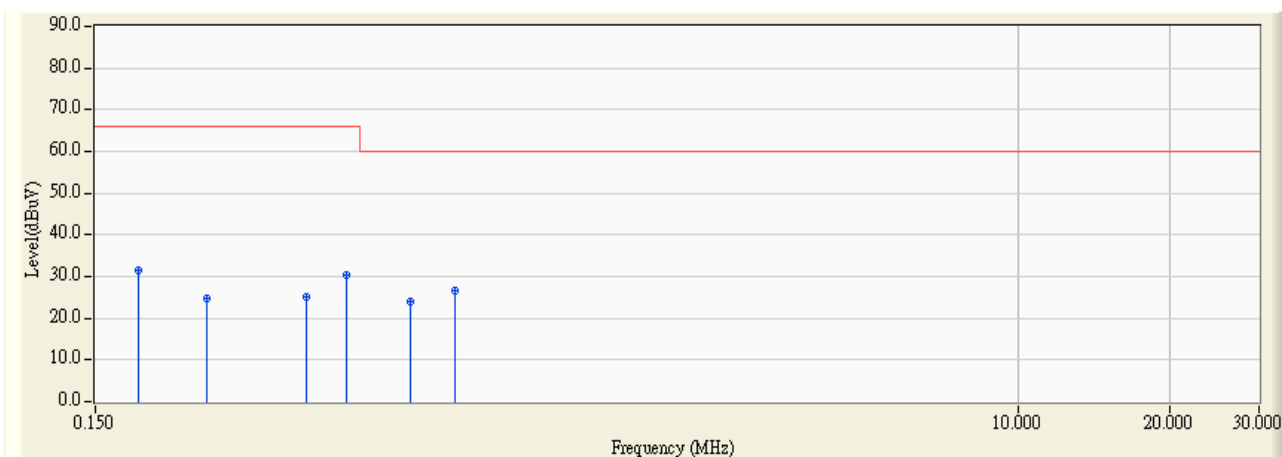


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.183	9.861	35.800	45.661	-33.339	79.000	QUASIPeAK
2		0.250	9.861	27.530	37.391	-41.609	79.000	QUASIPeAK
3		0.392	9.872	30.310	40.182	-38.818	79.000	QUASIPeAK
4	*	0.470	9.872	33.980	43.852	-35.148	79.000	QUASIPeAK
5		0.630	9.873	26.320	36.193	-36.807	73.000	QUASIPeAK
6		0.771	9.873	26.820	36.693	-36.307	73.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/04 - 23:38
Limit : CISPR_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : ENV_216_N - Line2
Power : AC 100V/50Hz to DC 12V	Note : Mode 2



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.183	9.861	21.560	31.421	-34.579	66.000	AVERAGE
2		0.250	9.861	14.800	24.661	-41.339	66.000	AVERAGE
3		0.392	9.872	15.070	24.942	-41.058	66.000	AVERAGE
4	*	0.470	9.872	20.690	30.562	-35.438	66.000	AVERAGE
5		0.630	9.873	13.940	23.813	-36.187	60.000	AVERAGE
6	*	0.771	9.873	16.810	26.683	-33.317	60.000	AVERAGE

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

**3.7. Test Photograph**

Test Mode : Mode 1: AC 24V

Description : Front View of Conducted Test



Test Mode : Mode 1: AC 24V

Description : Back View of Conducted Test



Test Mode : Mode 2: DC 12V

Description : Front View of Conducted Test



Test Mode : Mode 2: DC 12V

Description : Back View of Conducted Test

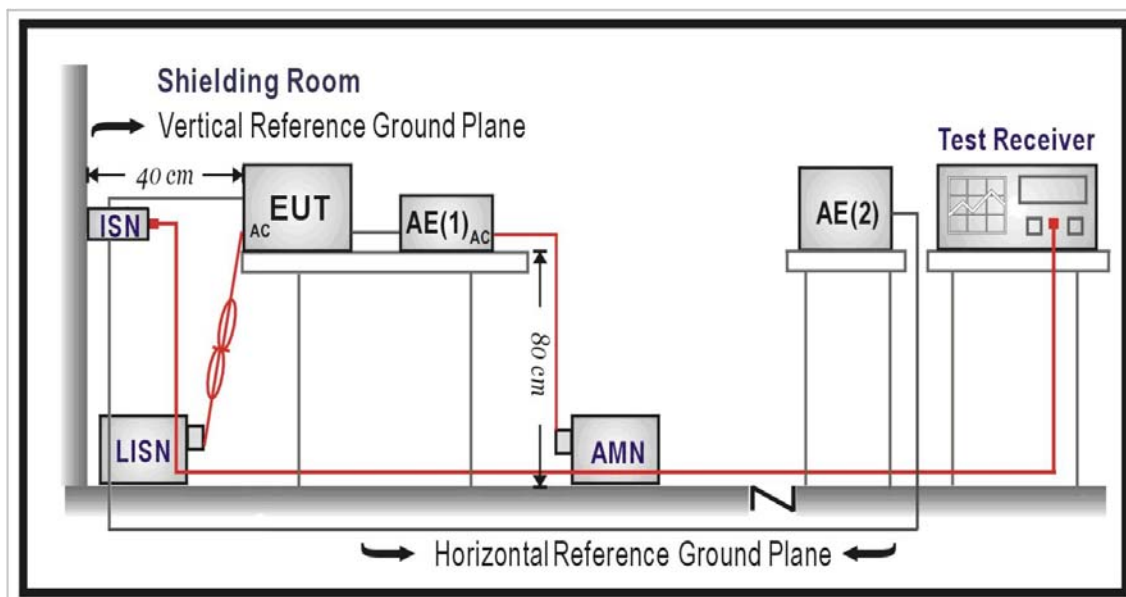


#### 4. Conducted Emissions (Telecommunication Ports)

##### 4.1. Test Specification

According to EMC Standard : VCCI

##### 4.2. Test Setup



##### 4.3. Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	97 – 87	84 – 74
0.50 - 30	87	74

Remarks:

The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz~0.50 MHz.

#### **4.4. Test Procedure**

##### **Telecommunication Port:**

The mains voltage shall be supplied to the EUT via the LISN when the measurement of telecommunication port is performed. The common mode disturbances at the telecommunication port shall be connected to the ISN, which is 150 ohm impedance.

Both alternative cables are tested related to the LCL requested. The measurement range is from 150kHz to 30MHz. The bandwidth of measurement is set to 9kHz.

The 75dB LCL ISN is used for cat. 6 cable, the 65dB LCL ISN is used for cat. 5 cable, 55dB LCL ISN is used for cat. 3.

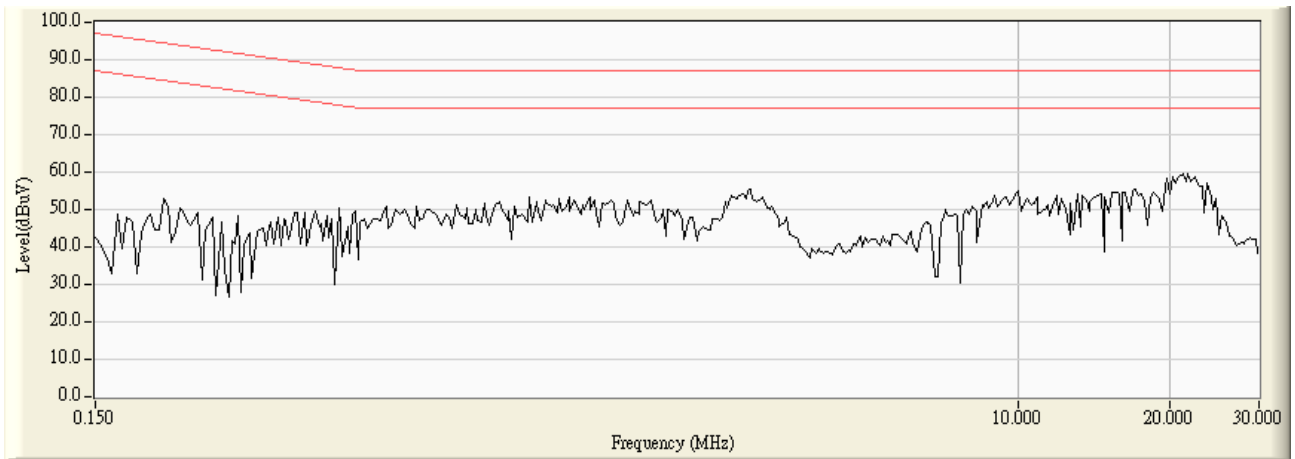
#### **4.5. Deviation from Test Standard**

No deviation.

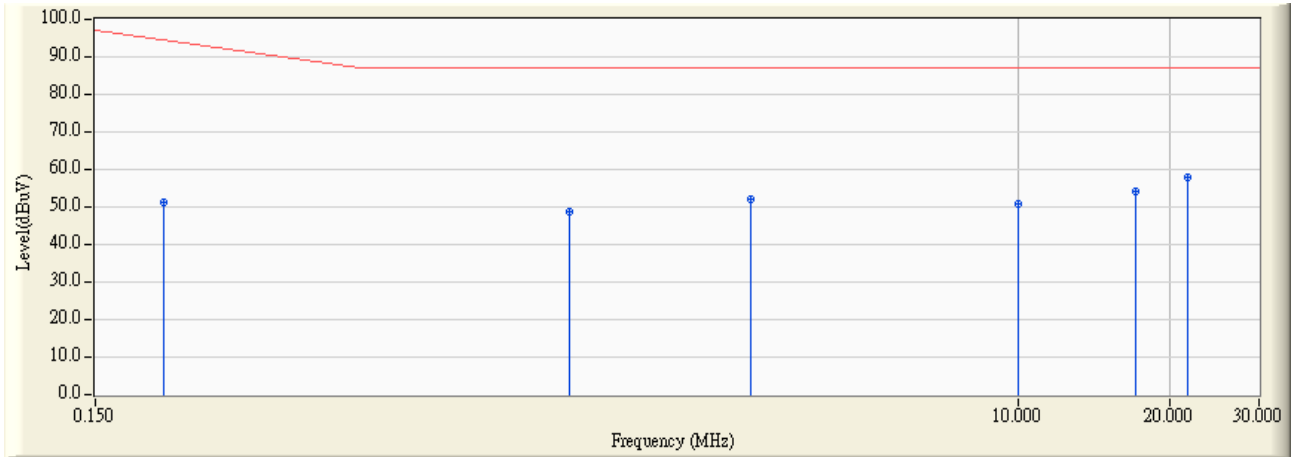


**4.6. Test Result**

<b>Site : SR1</b>	<b>Time : 2012/09/05 - 00:11</b>
<b>Limit : ISN_Voltage_A_00M_QP</b>	<b>Margin : 10</b>
<b>EUT : Network Camera</b>	<b>Probe : TESEQ_T8 - Line1</b>
<b>Power : AC 100V/50Hz to AC 24V</b>	<b>Note : Mode 1, ISN 10Mbps</b>



Site : SR1	Time : 2012/09/05 - 00:12
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to AC 24V	Note : Mode 1, ISN 10Mbps

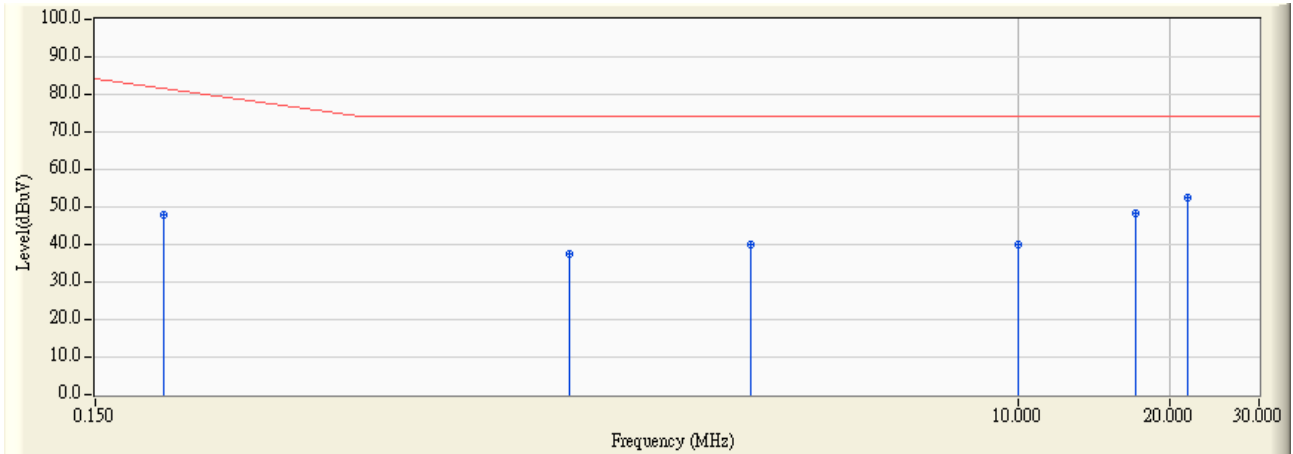


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.205	10.294	41.000	51.294	-44.135	95.429	QUASIPeAK
2		1.295	9.926	38.970	48.896	-38.104	87.000	QUASIPeAK
3		2.974	9.884	42.120	52.004	-34.996	87.000	QUASIPeAK
4		10.009	9.910	40.760	50.670	-36.330	87.000	QUASIPeAK
5		17.087	9.985	44.070	54.055	-32.945	87.000	QUASIPeAK
6	*	21.727	10.110	47.960	58.070	-28.930	87.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/05 - 00:12
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to AC 24V	Note : Mode 1, ISN 10Mbps

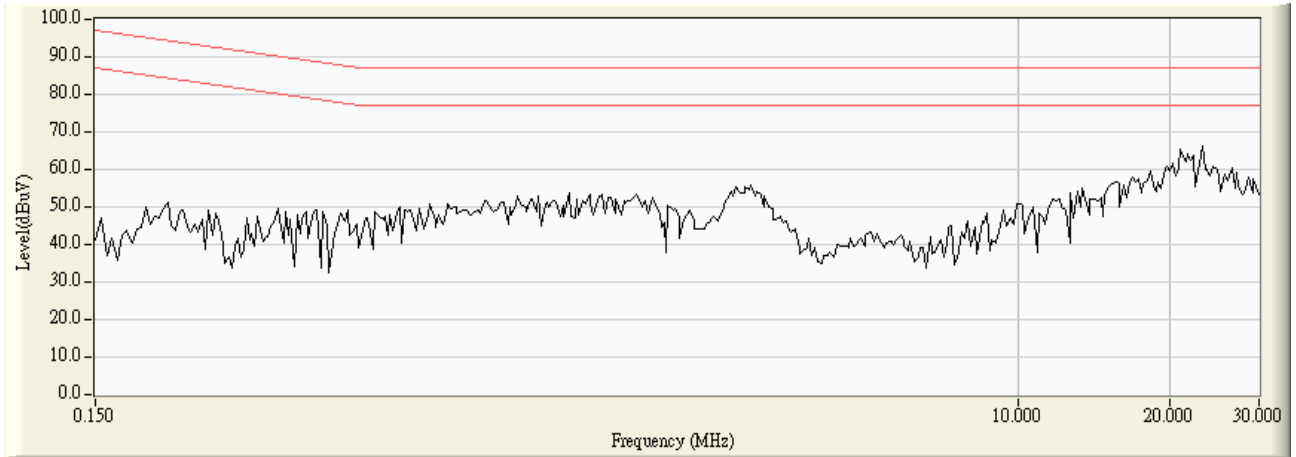


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.205	10.294	37.710	48.004	-34.425	82.429	AVERAGE
2		1.295	9.926	27.510	37.436	-36.564	74.000	AVERAGE
3		2.974	9.884	29.980	39.864	-34.136	74.000	AVERAGE
4		10.009	9.910	30.000	39.910	-34.090	74.000	AVERAGE
5		17.087	9.985	38.450	48.435	-25.565	74.000	AVERAGE
6	*	21.727	10.110	42.470	52.580	-21.420	74.000	AVERAGE

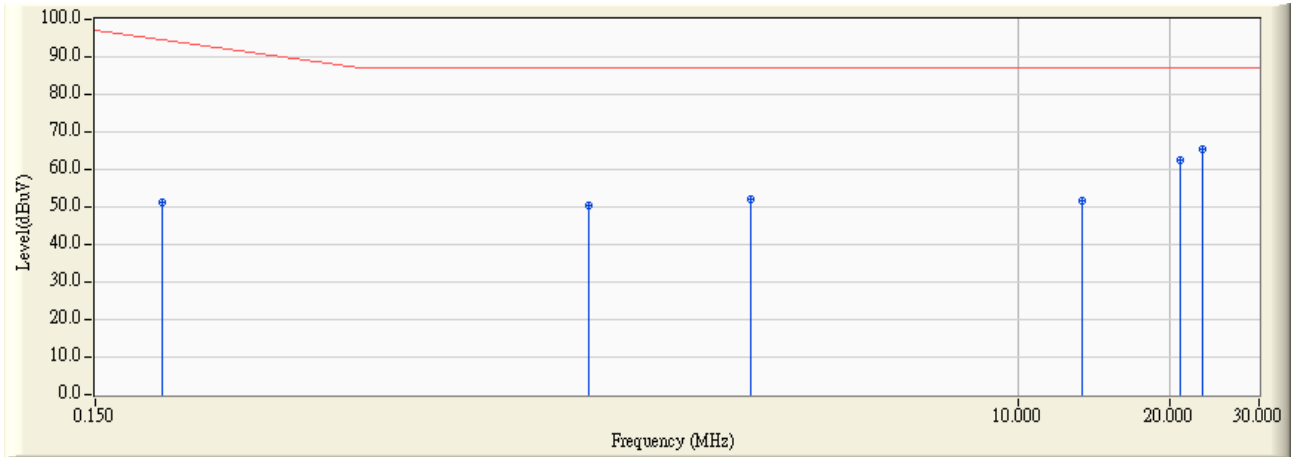
**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/05 - 00:13
Limit : ISN_Voltage_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to AC 24V	Note : Mode 1, ISN 100Mbps



Site : SR1	Time : 2012/09/05 - 00:15
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to AC 24V	Note : Mode 1, ISN 100Mbps

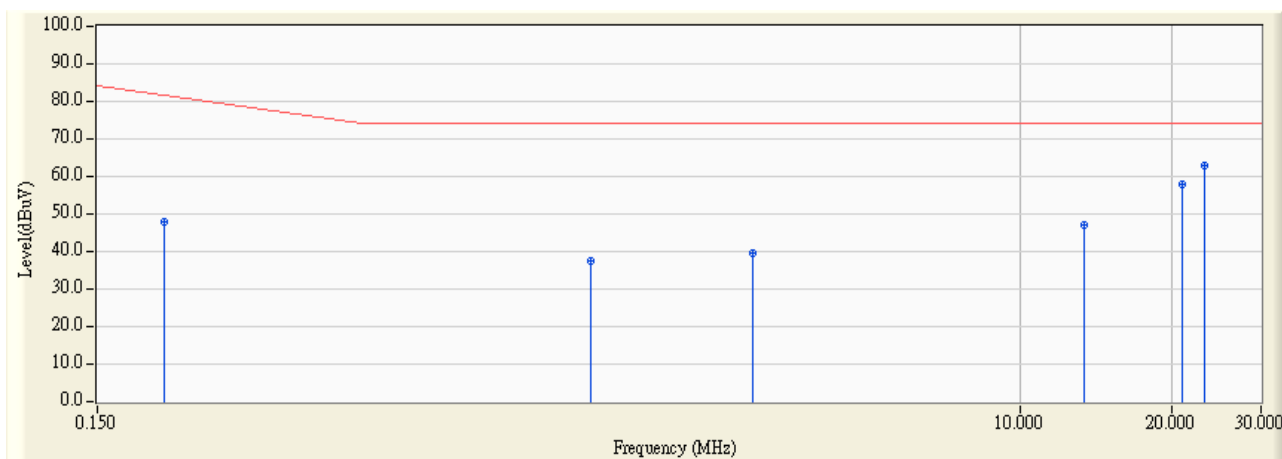


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.204	10.297	40.960	51.257	-44.200	95.457	QUASIPeAK
2		1.423	9.916	40.590	50.506	-36.494	87.000	QUASIPeAK
3		2.970	9.884	42.340	52.224	-34.776	87.000	QUASIPeAK
4		13.423	9.921	41.850	51.771	-35.229	87.000	QUASIPeAK
5		20.994	10.100	52.310	62.410	-24.590	87.000	QUASIPeAK
6	*	23.130	10.140	55.240	65.380	-21.620	87.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/05 - 00:15
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to AC 24V	Note : Mode 1, ISN 100Mbps



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.204	10.297	37.640	47.937	-34.520	82.457	AVERAGE
2		1.423	9.916	27.640	37.556	-36.444	74.000	AVERAGE
3		2.970	9.884	29.650	39.534	-34.466	74.000	AVERAGE
4		13.423	9.921	37.190	47.111	-26.889	74.000	AVERAGE
5		20.994	10.100	47.790	57.890	-16.110	74.000	AVERAGE
6	*	23.130	10.140	52.910	63.050	-10.950	74.000	AVERAGE

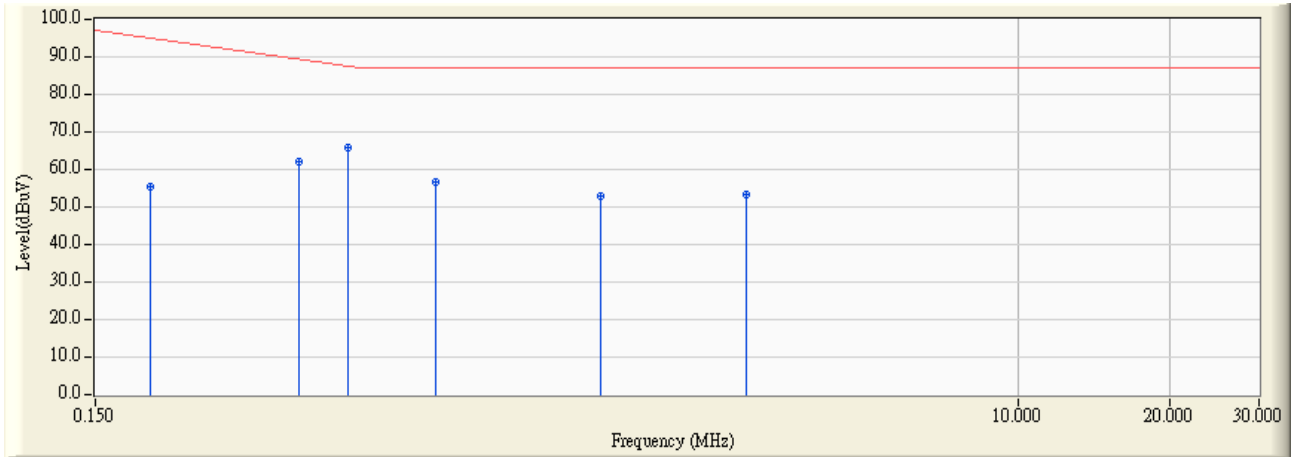
**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/04 - 23:43
Limit : ISN_Voltage_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2, ISN 10Mbps



Site : SR1	Time : 2012/09/04 - 23:44
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2, ISN 10Mbps



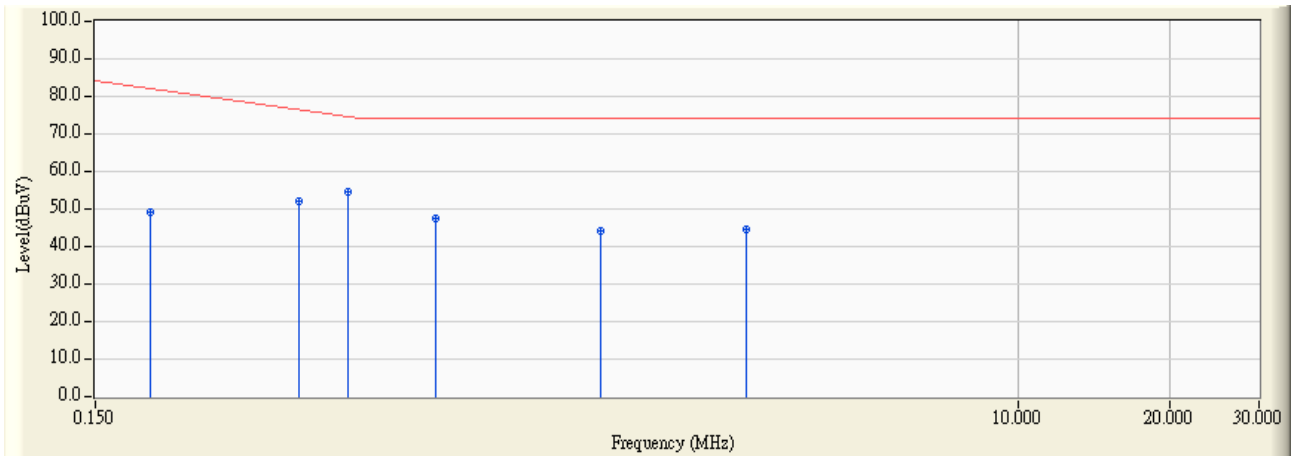
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.193	10.326	45.220	55.546	-40.225	95.771	QUASIPeAK
2		0.380	10.140	51.950	62.090	-28.339	90.429	QUASIPeAK
3	*	0.474	10.065	55.880	65.945	-21.798	87.743	QUASIPeAK
4		0.708	10.003	46.750	56.753	-30.247	87.000	QUASIPeAK
5		1.502	9.914	43.140	53.054	-33.946	87.000	QUASIPeAK
6		2.908	9.888	43.560	53.448	-33.552	87.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Site : SR1	Time : 2012/09/04 - 23:44
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2, ISN 10Mbps

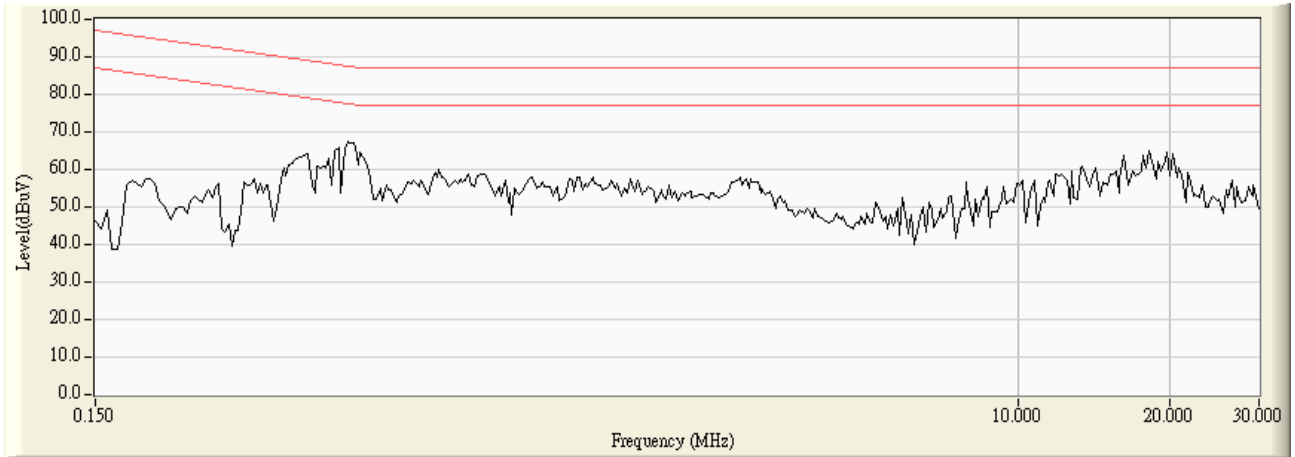


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.193	10.326	38.900	49.226	-33.545	82.771	AVERAGE
2		0.380	10.140	42.050	52.190	-25.239	77.429	AVERAGE
3	*	0.474	10.065	44.450	54.515	-20.228	74.743	AVERAGE
4		0.708	10.003	37.550	47.553	-26.447	74.000	AVERAGE
5		1.502	9.914	34.060	43.974	-30.026	74.000	AVERAGE
6		2.908	9.888	34.880	44.768	-29.232	74.000	AVERAGE

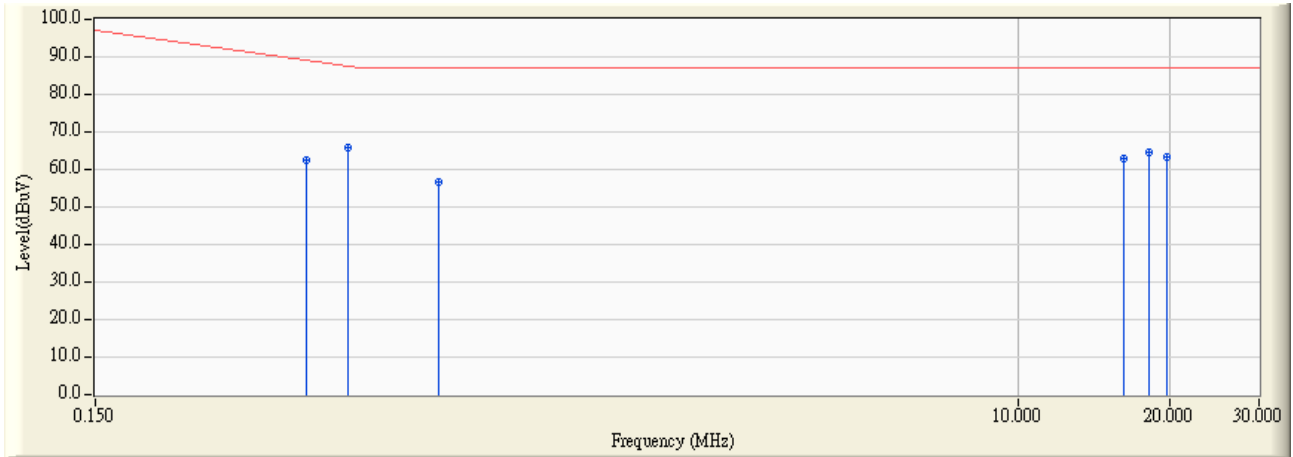
**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/04 - 23:45
Limit : ISN_Voltage_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2, ISN 100Mbps



Site : SR1	Time : 2012/09/04 - 23:45
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2, ISN 100Mbps

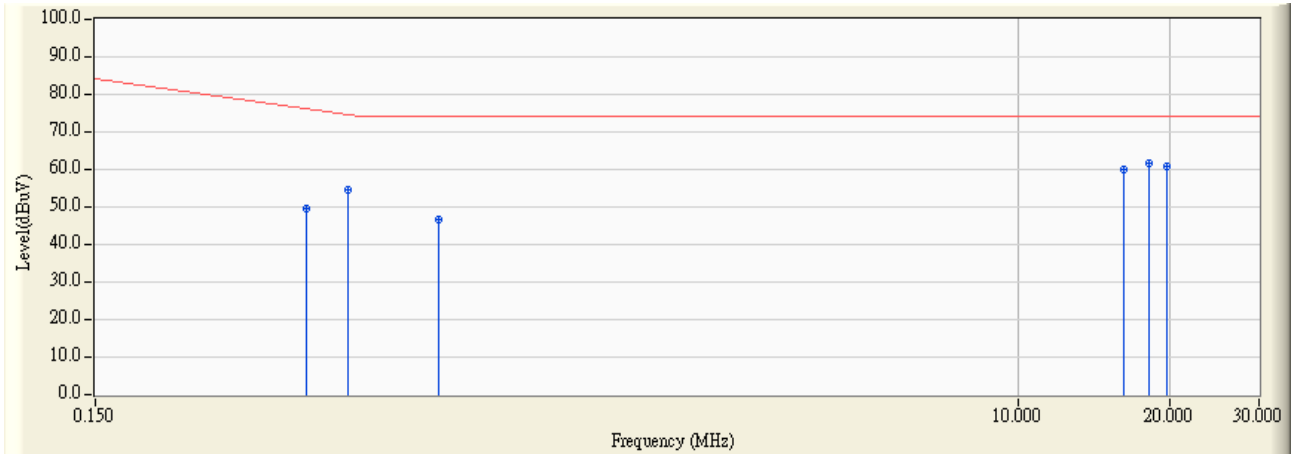


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.391	10.131	52.230	62.360	-27.754	90.114	QUASIPeAK
2	*	0.474	10.065	55.920	65.985	-21.758	87.743	QUASIPeAK
3		0.716	10.003	46.490	56.493	-30.507	87.000	QUASIPeAK
4		16.228	9.955	52.960	62.915	-24.085	87.000	QUASIPeAK
5		18.244	10.024	54.360	64.384	-22.616	87.000	QUASIPeAK
6		19.709	10.078	53.420	63.498	-23.502	87.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/04 - 23:45
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : AC 100V/50Hz to DC 12V	Note : Mode 2, ISN 100Mbps

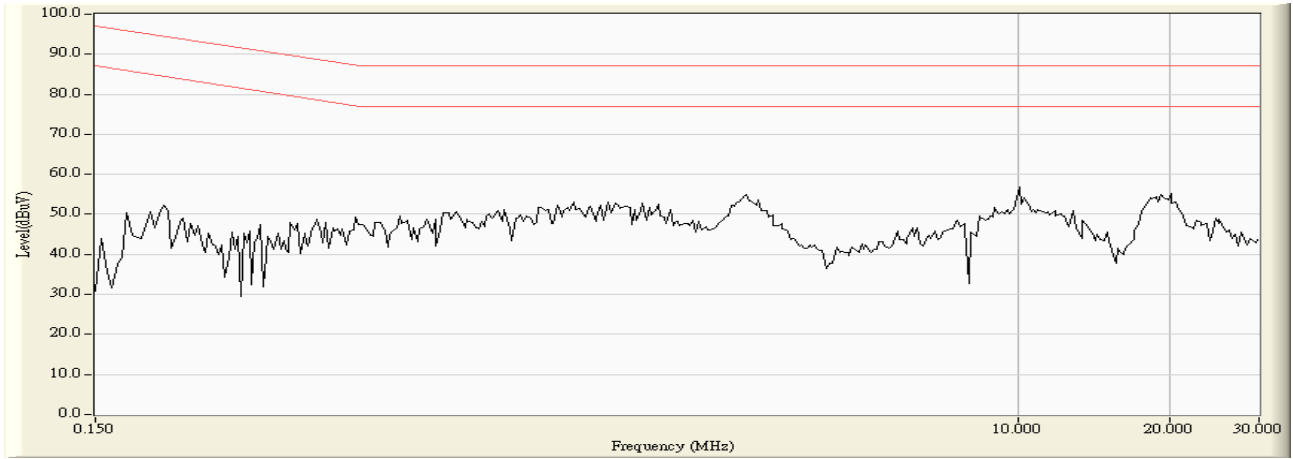


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.391	10.131	39.390	49.520	-27.594	77.114	AVERAGE
2		0.474	10.065	44.580	54.645	-20.098	74.743	AVERAGE
3		0.716	10.003	36.680	46.683	-27.317	74.000	AVERAGE
4		16.228	9.955	50.100	60.055	-13.945	74.000	AVERAGE
5	*	18.244	10.024	51.540	61.564	-12.436	74.000	AVERAGE
6		19.709	10.078	50.550	60.628	-13.372	74.000	AVERAGE

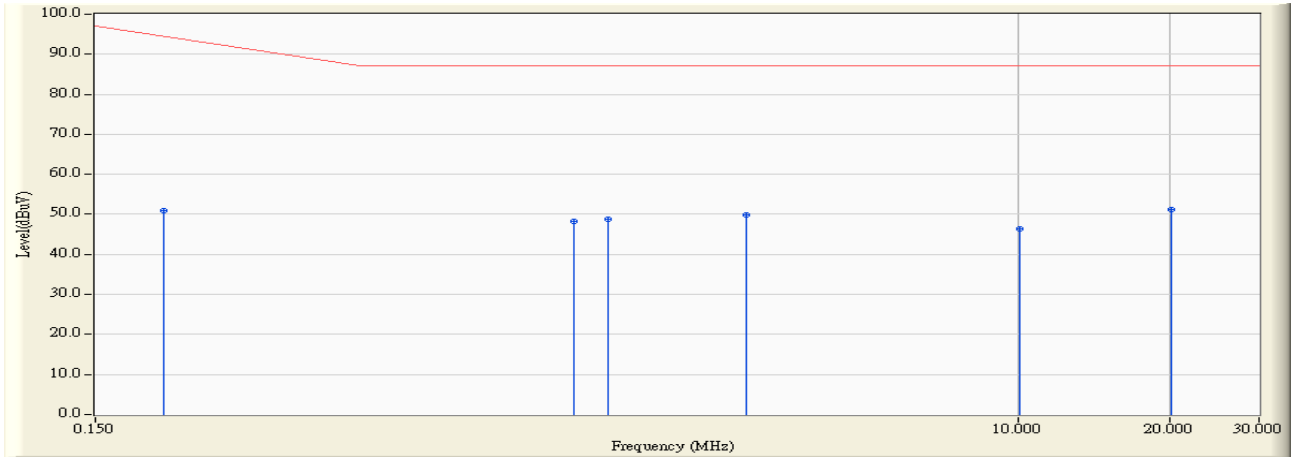
**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/06 - 00:48
Limit : ISN_Voltage_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : By PoE	Note : Mode 3, ISN 10Mbps



Site : SR1	Time : 2012/09/06 - 00:50
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : By PoE	Note : Mode 3, ISN 10Mbps

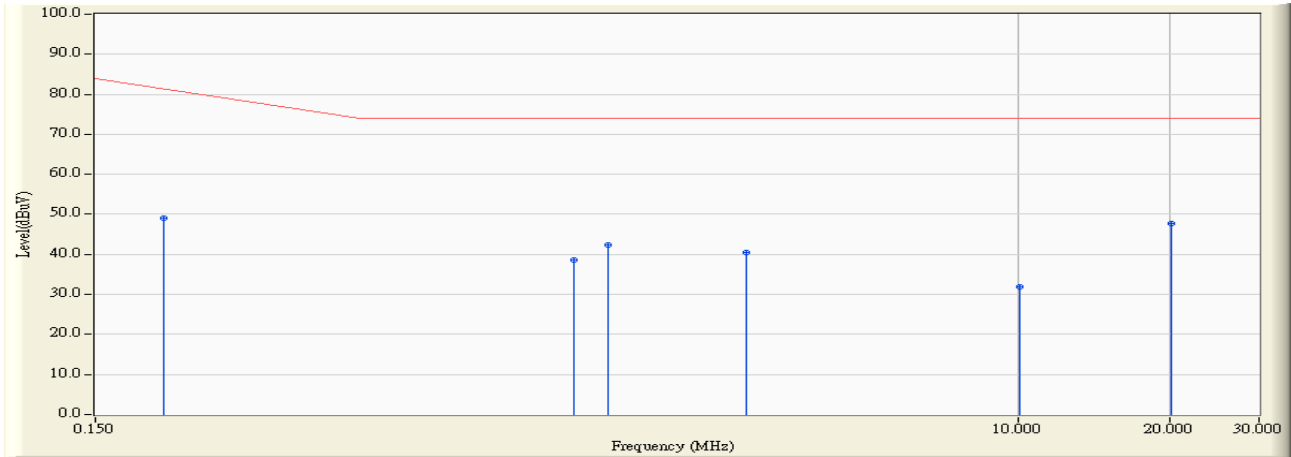


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.205	10.294	40.670	50.964	-44.465	95.429	QUASIPeAK
2		1.326	9.926	38.340	48.266	-38.734	87.000	QUASIPeAK
3		1.545	9.907	38.880	48.787	-38.213	87.000	QUASIPeAK
4		2.904	9.889	39.970	49.860	-37.140	87.000	QUASIPeAK
5		10.072	9.910	36.470	46.380	-40.620	87.000	QUASIPeAK
6	*	20.158	10.080	41.050	51.130	-35.870	87.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/06 - 00:50
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : By PoE	Note : Mode 3, ISN 10Mbps

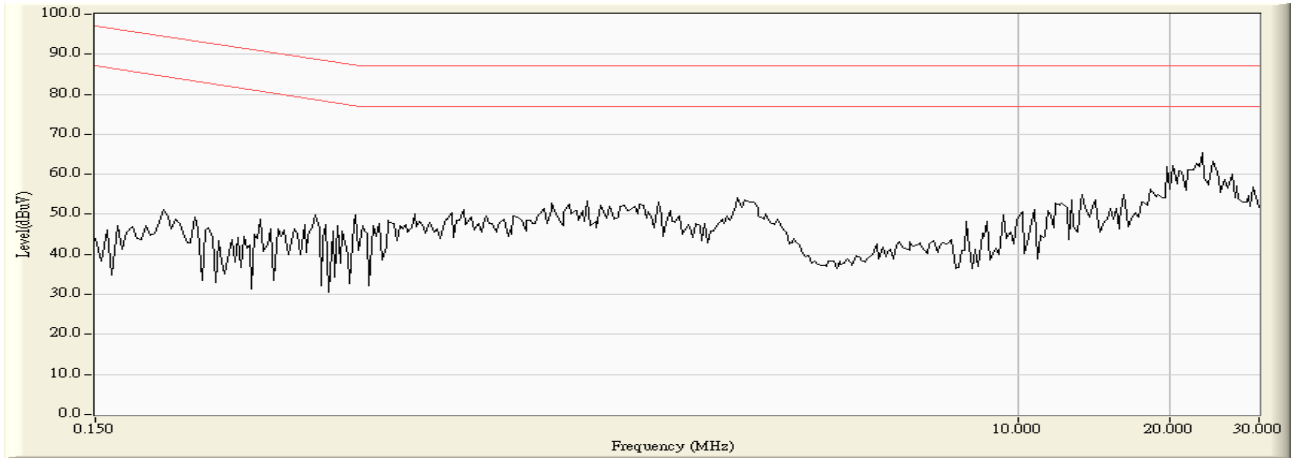


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.205	10.294	38.700	48.994	-33.435	82.429	AVERAGE
2		1.326	9.926	28.770	38.696	-35.304	74.000	AVERAGE
3		1.545	9.907	32.500	42.407	-31.593	74.000	AVERAGE
4		2.904	9.889	30.510	40.400	-33.600	74.000	AVERAGE
5		10.072	9.910	21.880	31.790	-42.210	74.000	AVERAGE
6	*	20.158	10.080	37.570	47.650	-26.350	74.000	AVERAGE

**Note:**

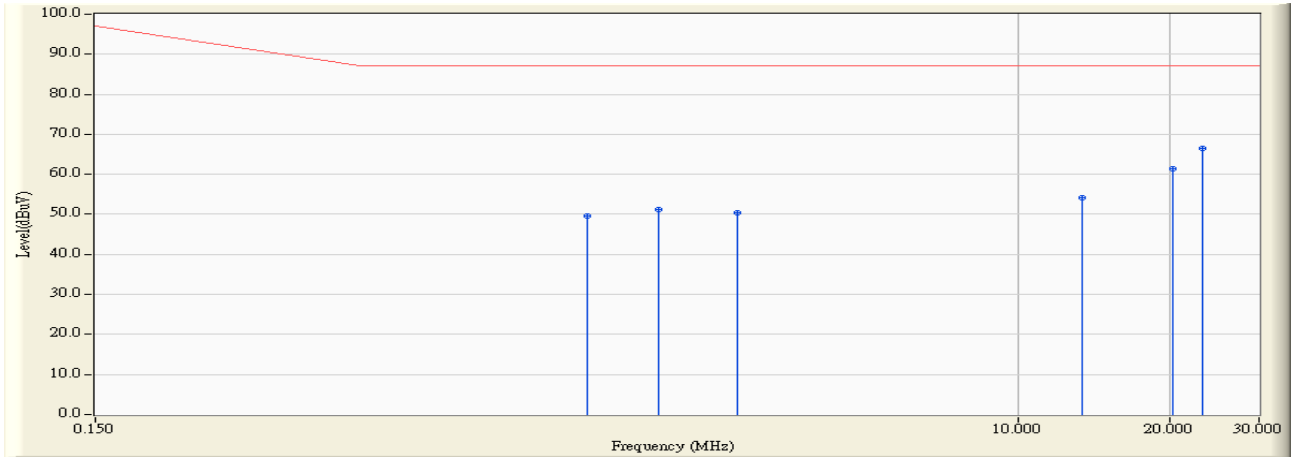
1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/06 - 00:51
Limit : ISN_Voltage_A_00M_QP	Margin : 10
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : By PoE	Note : Mode 3, ISN 100Mbps





Site : SR1	Time : 2012/09/06 - 00:53
Limit : ISN_Voltage_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : By PoE	Note : Mode 3, ISN 100Mbps

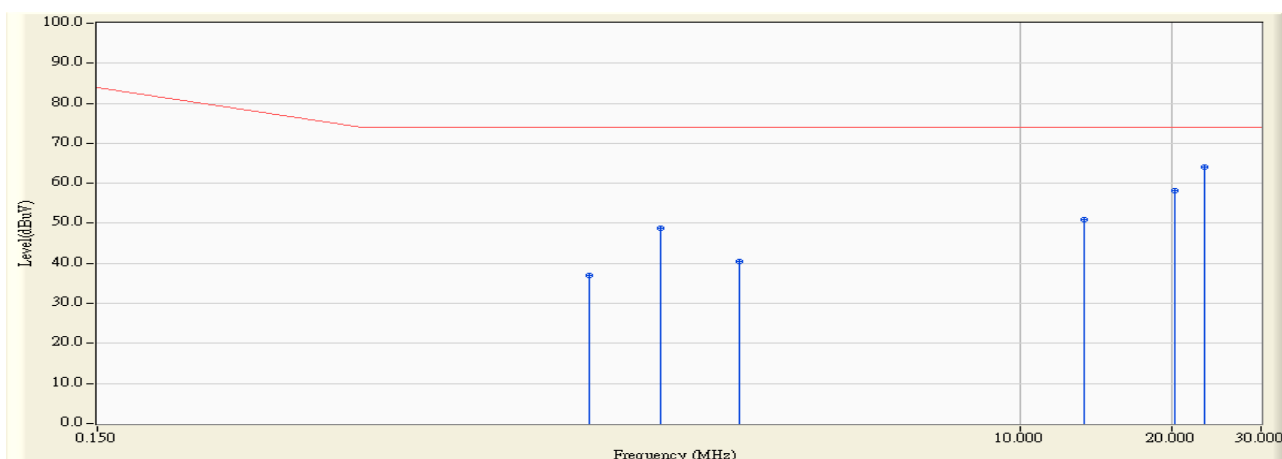


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		1.408	9.916	39.640	49.556	-37.444	87.000	QUASIPeAK
2		1.953	9.879	41.370	51.249	-35.751	87.000	QUASIPeAK
3		2.795	9.889	40.580	50.469	-36.531	87.000	QUASIPeAK
4		13.420	9.921	44.210	54.131	-32.869	87.000	QUASIPeAK
5		20.259	10.087	51.440	61.527	-25.473	87.000	QUASIPeAK
6	*	23.129	10.140	56.420	66.560	-20.440	87.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR1	Time : 2012/09/06 - 00:53
Limit : ISN_Voltage_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : TESEQ_T8 - Line1
Power : By PoE	Note : Mode 3, ISN 100Mbps



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		1.408	9.916	27.020	36.936	-37.064	74.000	AVERAGE
2		1.953	9.879	38.950	48.829	-25.171	74.000	AVERAGE
3		2.795	9.889	30.620	40.509	-33.491	74.000	AVERAGE
4		13.420	9.921	40.990	50.911	-23.089	74.000	AVERAGE
5		20.259	10.087	48.220	58.307	-15.693	74.000	AVERAGE
6	*	23.129	10.140	54.010	64.150	-9.850	74.000	AVERAGE

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

## 4.7. Test Photograph

Test Mode : Mode 1: AC 24V

Description : Front View of ISN Test



Test Mode : Mode 1: AC 24V

Description : Back View of ISN Test



Test Mode : Mode 2: DC 12V  
Description : Front View of ISN Test



Test Mode : Mode 2: DC 12V  
Description : Back View of ISN Test



Test Mode : Mode 3: PoE  
Description : Front View of ISN Test



Test Mode : Mode 3: PoE  
Description : Back View of ISN Test



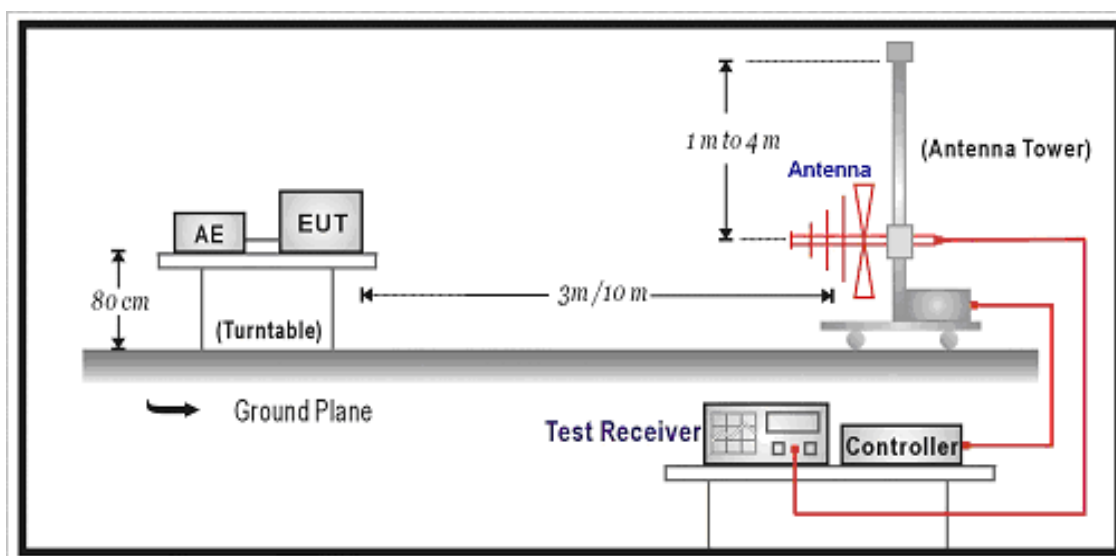
## 5. Radiated Emission

### 5.1. Test Specification

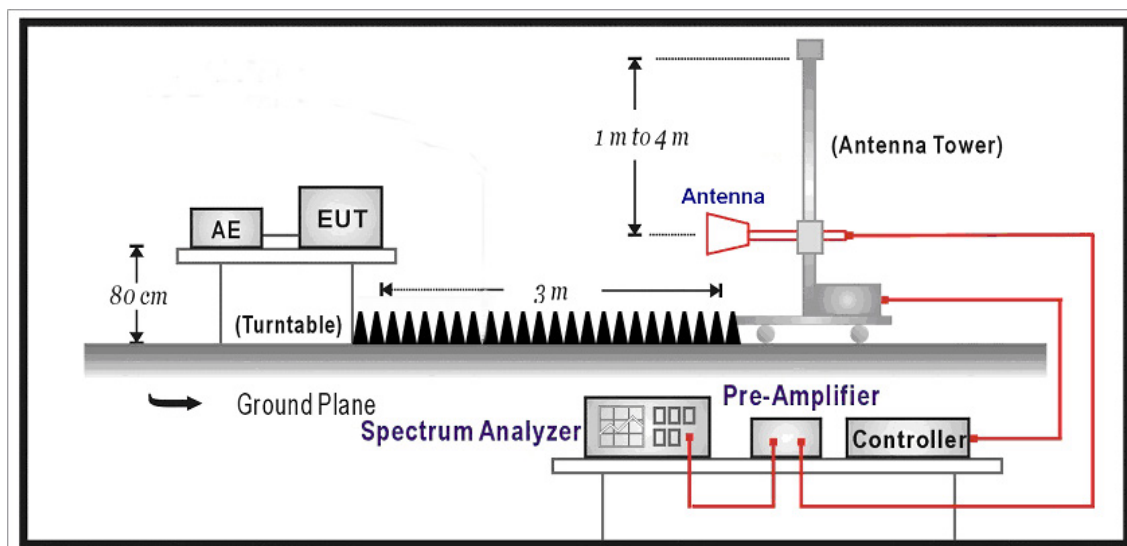
According to EMC Standard : VCCI

### 5.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



**5.3. Limit**

Limits		
Frequency MHz	Distance (m)	dBuV/m
30 – 230	10	40
230 – 1000	10	47

Limits			
Frequency (GHz)	Distance (m)	Peak (dBuV/m)	Average (dBuV/m)
1 – 3	3	76	56
3 – 6	3	80	60

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 6 GHz, whichever is lower

#### **5.4. Test Procedure**

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 10 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to VCCI on radiated measurement.

Radiated emissions were investigated over the frequency range from 30MHz to 1GHz using a receiver bandwidth of 120kHz and above 1GHz using a receiver bandwidth of 1MHz.

30MHz to 1GHz Radiated was performed at an antenna to EUT distance of 10 meters.

Above 1GHz Radiated was performed at an antenna to EUT distance of 3 meters.

It is placed with absorb on the ground between EUT and Antenna.

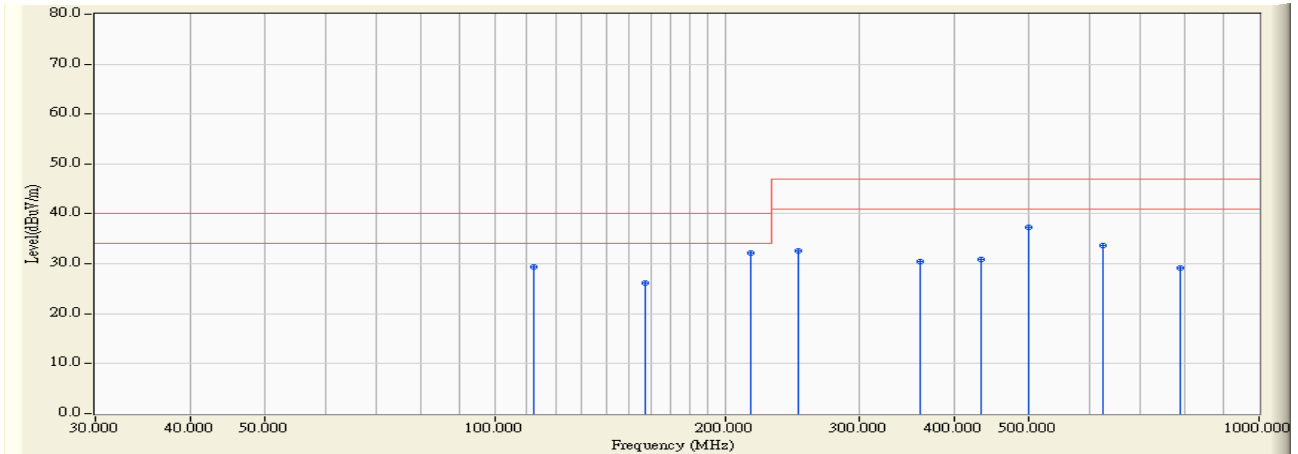
#### **5.5. Deviation from Test Standard**

No deviation.



5.6. Test Result

Site : Site7	Time : 2012/09/04 - 09:02
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1207 - HORIZONTAL
Power : AC 100V/50Hz to AC 24V	Note : Mode 1

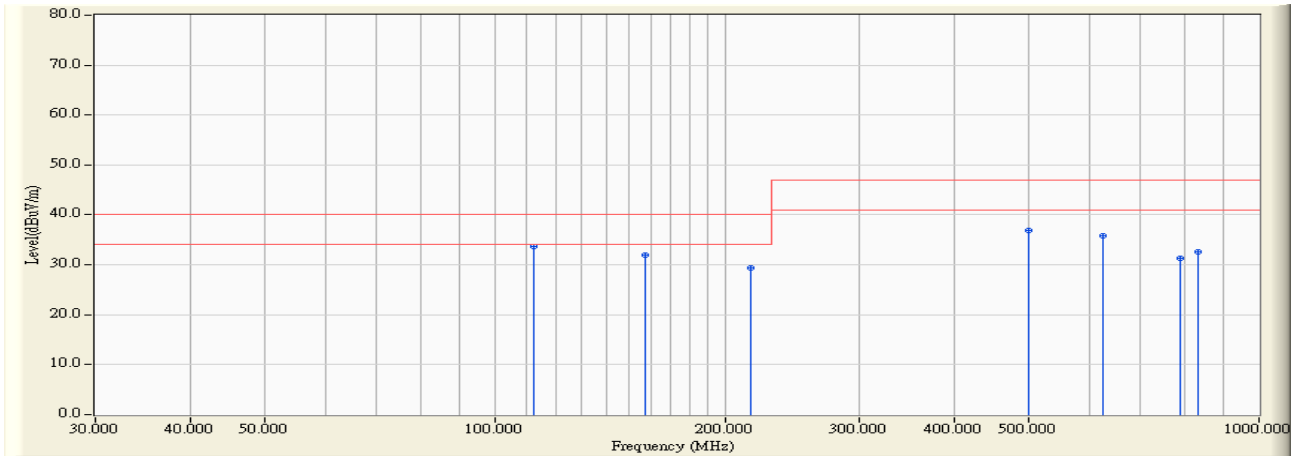


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	112.504	-18.597	47.986	29.389	-10.611	40.000	QUASPEAK
2	157.491	-19.708	45.781	26.073	-13.927	40.000	QUASPEAK
3	* 216.004	-19.899	52.032	32.133	-7.867	40.000	QUASPEAK
4	250.001	-16.104	48.599	32.495	-14.505	47.000	QUASPEAK
5	359.991	-12.842	43.367	30.525	-16.475	47.000	QUASPEAK
6	431.992	-10.243	41.226	30.983	-16.017	47.000	QUASPEAK
7	500.001	-8.699	46.044	37.345	-9.655	47.000	QUASPEAK
8	624.995	-6.346	40.093	33.747	-13.253	47.000	QUASPEAK
9	787.522	-3.990	33.136	29.146	-17.854	47.000	QUASPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site7	Time : 2012/09/04 - 09:20
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1207 - VERTICAL
Power : AC 100V/50Hz to AC 24V	Note : Mode 1

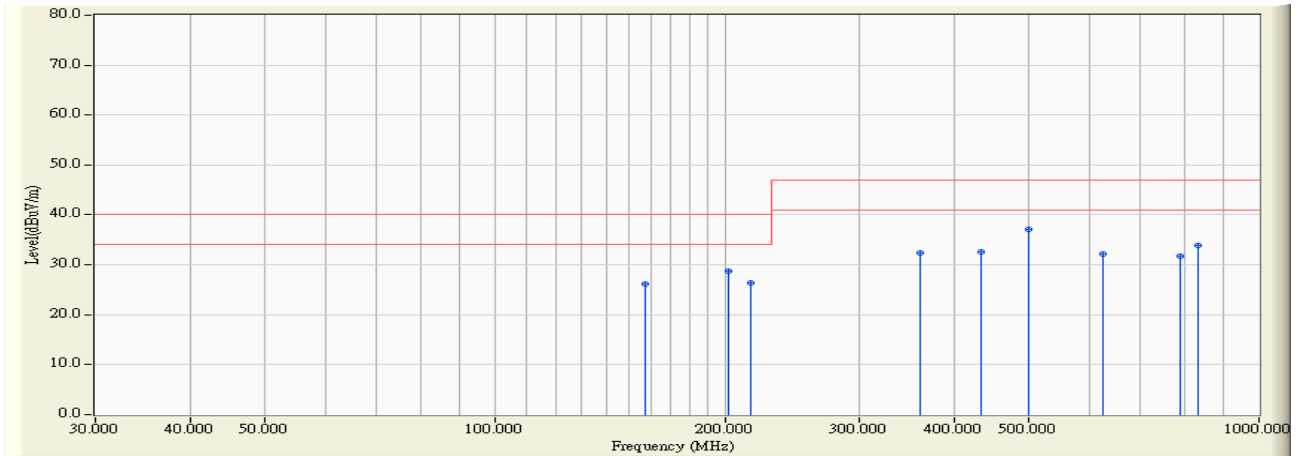


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	112.502	-18.597	52.350	33.753	-6.247	40.000	QUASPEAK
2		157.504	-19.708	51.714	32.006	-7.994	40.000	QUASPEAK
3		215.995	-19.899	49.324	29.425	-10.575	40.000	QUASPEAK
4		499.992	-8.699	45.593	36.894	-10.106	47.000	QUASPEAK
5		624.991	-6.346	42.082	35.736	-11.264	47.000	QUASPEAK
6		787.522	-3.990	35.255	31.265	-15.735	47.000	QUASPEAK
7		832.524	-3.317	35.986	32.669	-14.331	47.000	QUASPEAK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site7	Time : 2012/09/04 - 10:10
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1207 - HORIZONTAL
Power : AC 100V/50Hz to DC 12V	Note : Mode 2

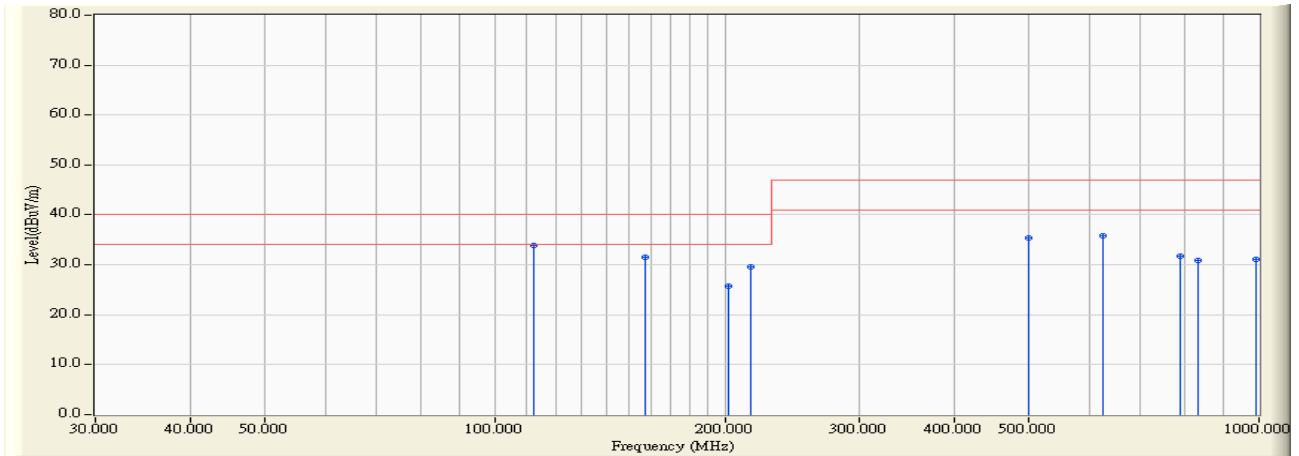


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	157.514	-19.708	45.839	26.131	-13.869	40.000	QUASPEAK
2	202.495	-20.111	48.805	28.694	-11.306	40.000	QUASPEAK
3	216.003	-19.899	46.201	26.302	-13.698	40.000	QUASPEAK
4	360.000	-12.842	45.157	32.315	-14.685	47.000	QUASPEAK
5	432.003	-10.243	42.925	32.682	-14.318	47.000	QUASPEAK
6	* 500.004	-8.699	45.880	37.181	-9.819	47.000	QUASPEAK
7	624.992	-6.346	38.488	32.142	-14.858	47.000	QUASPEAK
8	787.524	-3.990	35.778	31.788	-15.212	47.000	QUASPEAK
9	832.522	-3.317	37.253	33.936	-13.064	47.000	QUASPEAK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site7	Time : 2012/09/04 - 10:30
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1207 - VERTICAL
Power : AC 100V/50Hz to DC 12V	Note : Mode 2

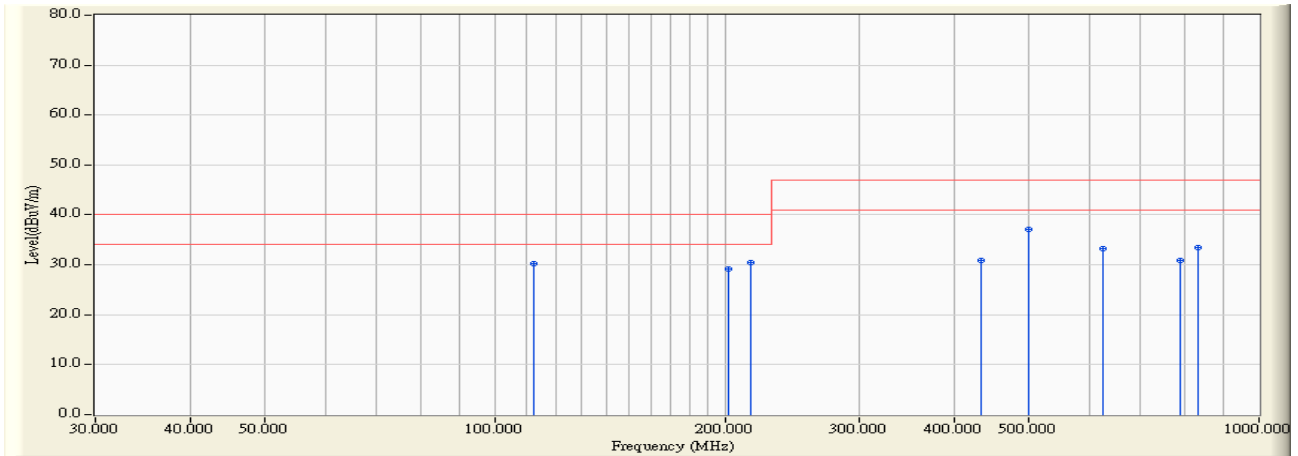


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	112.491	-18.597	52.436	33.839	-6.161	40.000	QUASPEAK
2		157.491	-19.708	51.133	31.425	-8.575	40.000	QUASPEAK
3		202.504	-20.111	45.915	25.804	-14.196	40.000	QUASPEAK
4		215.995	-19.899	49.472	29.573	-10.427	40.000	QUASPEAK
5		500.002	-8.699	44.080	35.381	-11.619	47.000	QUASPEAK
6		624.992	-6.346	42.067	35.721	-11.279	47.000	QUASPEAK
7		787.515	-3.990	35.746	31.756	-15.244	47.000	QUASPEAK
8		832.512	-3.317	34.300	30.983	-16.017	47.000	QUASPEAK
9		990.005	-1.490	32.664	31.174	-15.826	47.000	QUASPEAK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site7	Time : 2012/09/04 - 11:33
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1207 - HORIZONTAL
Power : By PoE	Note : Mode 3

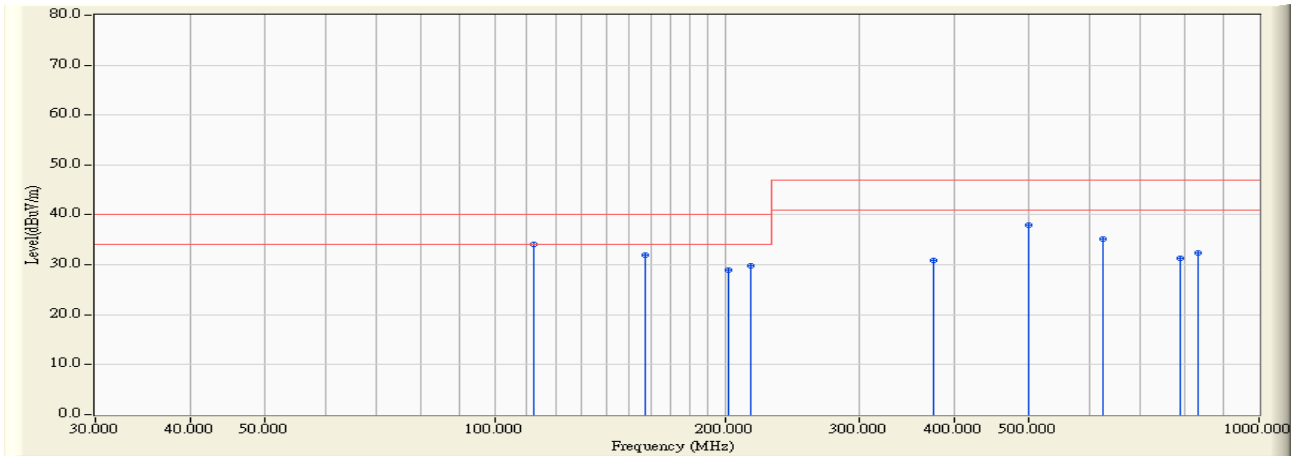


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		112.503	-18.597	48.792	30.195	-9.805	40.000	QUASPEAK
2		202.491	-20.111	49.385	29.274	-10.726	40.000	QUASPEAK
3	*	216.005	-19.899	50.383	30.484	-9.516	40.000	QUASPEAK
4		432.000	-10.243	41.051	30.808	-16.192	47.000	QUASPEAK
5		499.993	-8.699	45.715	37.016	-9.984	47.000	QUASPEAK
6		625.000	-6.346	39.506	33.160	-13.840	47.000	QUASPEAK
7		787.513	-3.990	34.968	30.978	-16.022	47.000	QUASPEAK
8		832.521	-3.317	36.734	33.417	-13.583	47.000	QUASPEAK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site7	Time : 2012/09/04 - 11:58
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1207 - VERTICAL
Power : By PoE	Note : Mode 3

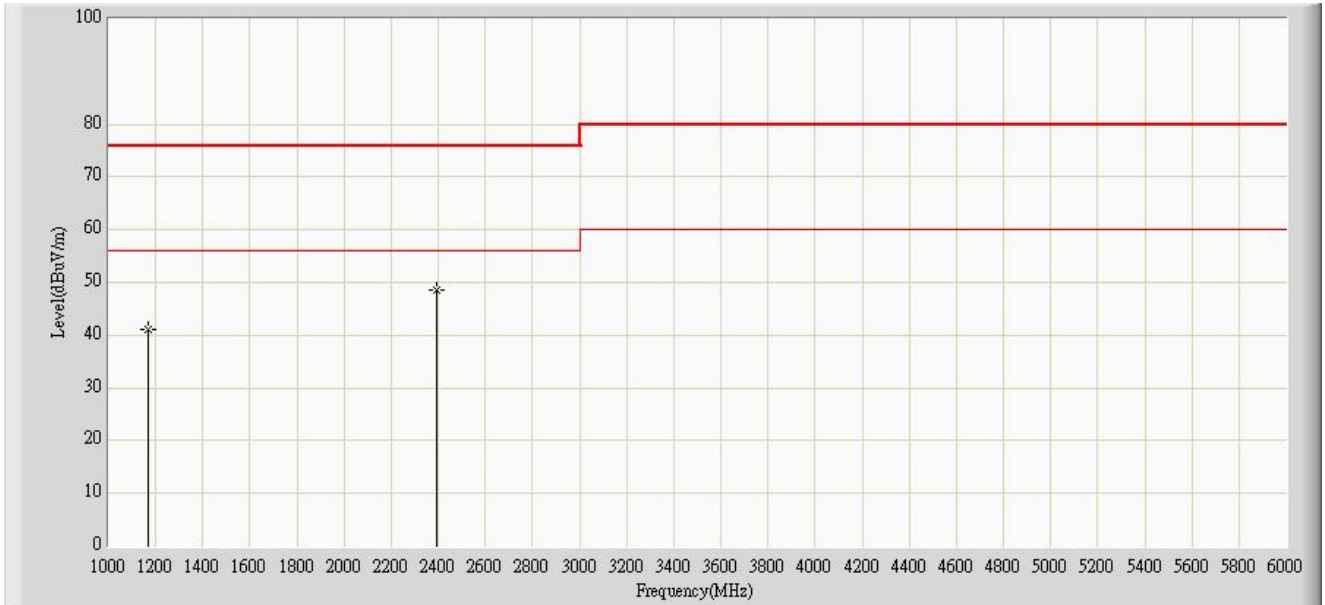


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	112.492	-18.597	52.676	34.079	-5.921	40.000	QUASPEAK
2		157.511	-19.708	51.643	31.935	-8.065	40.000	QUASPEAK
3		202.504	-20.111	49.097	28.986	-11.014	40.000	QUASPEAK
4		215.995	-19.899	49.670	29.771	-10.229	40.000	QUASPEAK
5		375.002	-12.226	43.065	30.839	-16.161	47.000	QUASPEAK
6		499.994	-8.699	46.558	37.859	-9.141	47.000	QUASPEAK
7		625.001	-6.346	41.527	35.181	-11.819	47.000	QUASPEAK
8		787.522	-3.990	35.248	31.258	-15.742	47.000	QUASPEAK
9		832.522	-3.317	35.779	32.462	-14.538	47.000	QUASPEAK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site: CB7	Time: 2012/09/05 - 22:30
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Horizontal
EUT: Network Camera	Power: AC 100V/50Hz to AC 24V
Note: Mode 1	

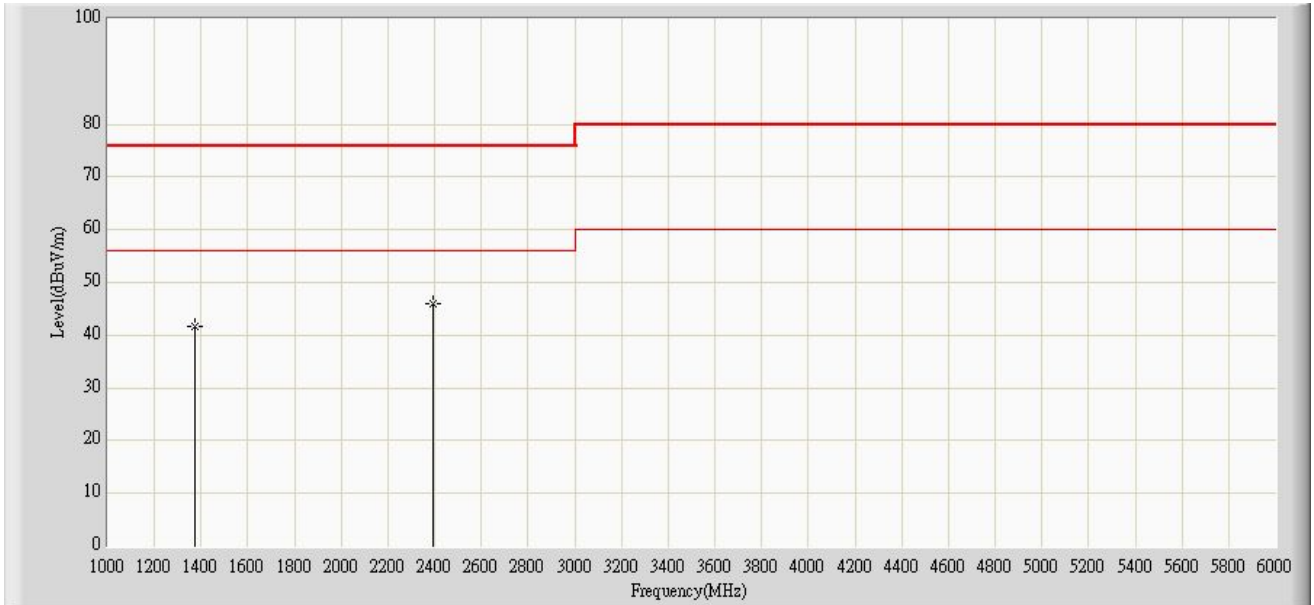


	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	1170.000	41.210	43.550	-34.790	76.000	-2.340	PK
2	* 2391.000	48.703	46.220	-27.297	76.000	2.483	PK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2012/09/05 - 22:34
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Vertical
EUT: Network Camera	Power: AC 100V/50Hz to AC 24V
Note: Mode 1	



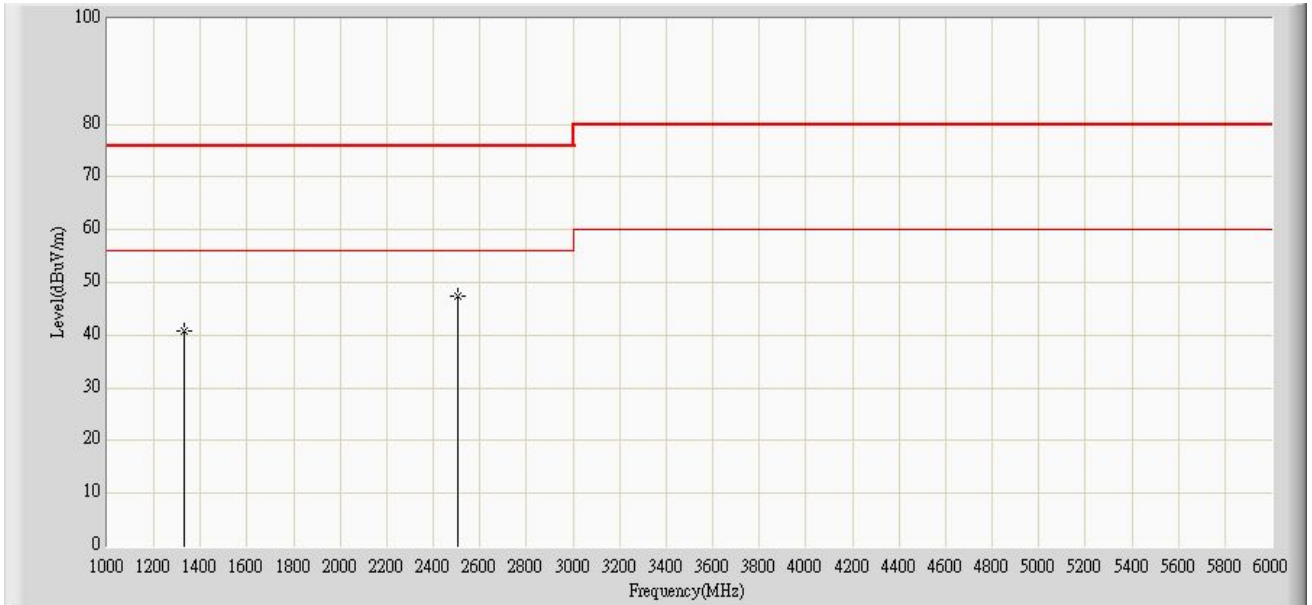
	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	1372.000	41.579	43.720	-34.421	76.000	-2.141	PK
2	* 2390.000	46.031	43.550	-29.969	76.000	2.481	PK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).



Site: CB7	Time: 2012/09/05 - 02:14
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Horizontal
EUT: Network Camera	Power: AC 100V/50Hz to DC 12V
Note: Mode 2	

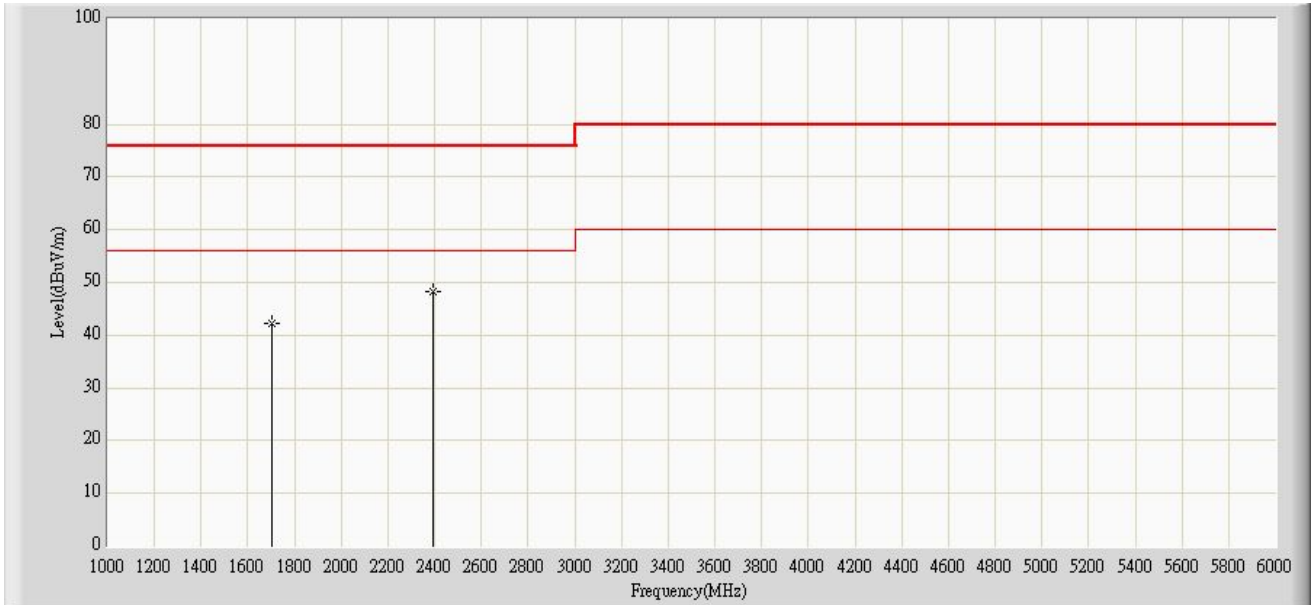


	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	1331.000	40.664	42.840	-35.336	76.000	-2.175	PK
2 *	2503.000	47.476	44.770	-28.524	76.000	2.706	PK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2012/09/05 - 02:17
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Vertical
EUT: Network Camera	Power: AC 100V/50Hz to DC 12V
Note: Mode 2	

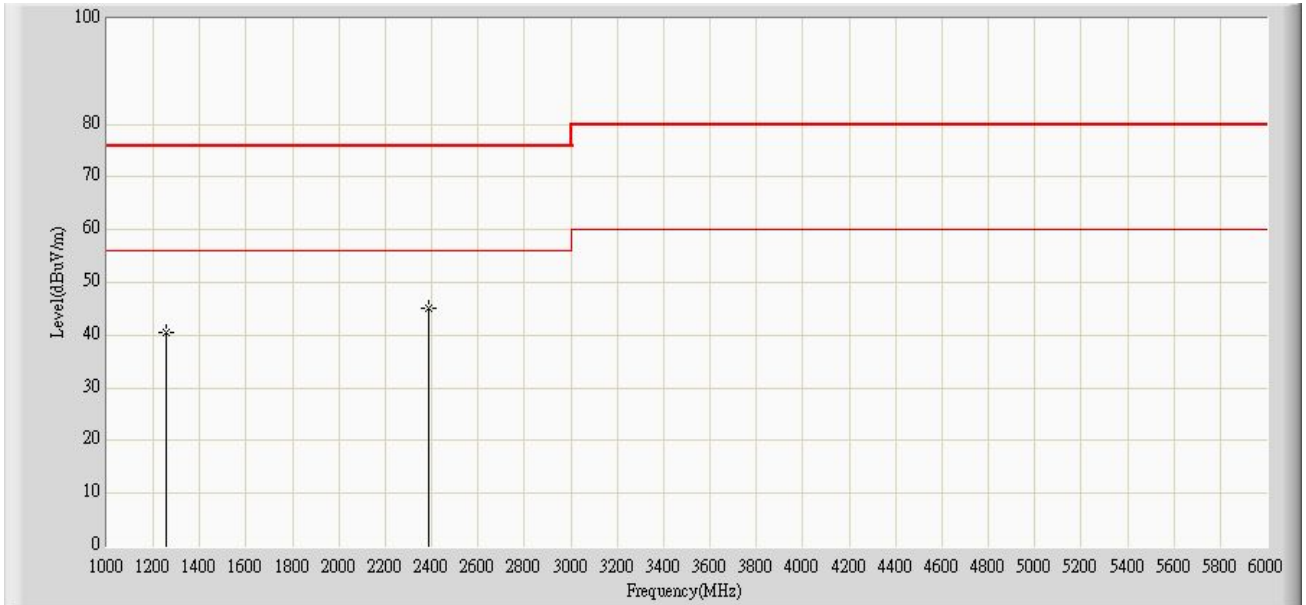


	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	1701.000	42.231	42.740	-33.769	76.000	-0.510	PK
2	* 2396.000	48.304	45.810	-27.696	76.000	2.494	PK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2012/09/05 - 02:27
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Horizontal
EUT: Network Camera	Power: By PoE
Note: Mode 3	

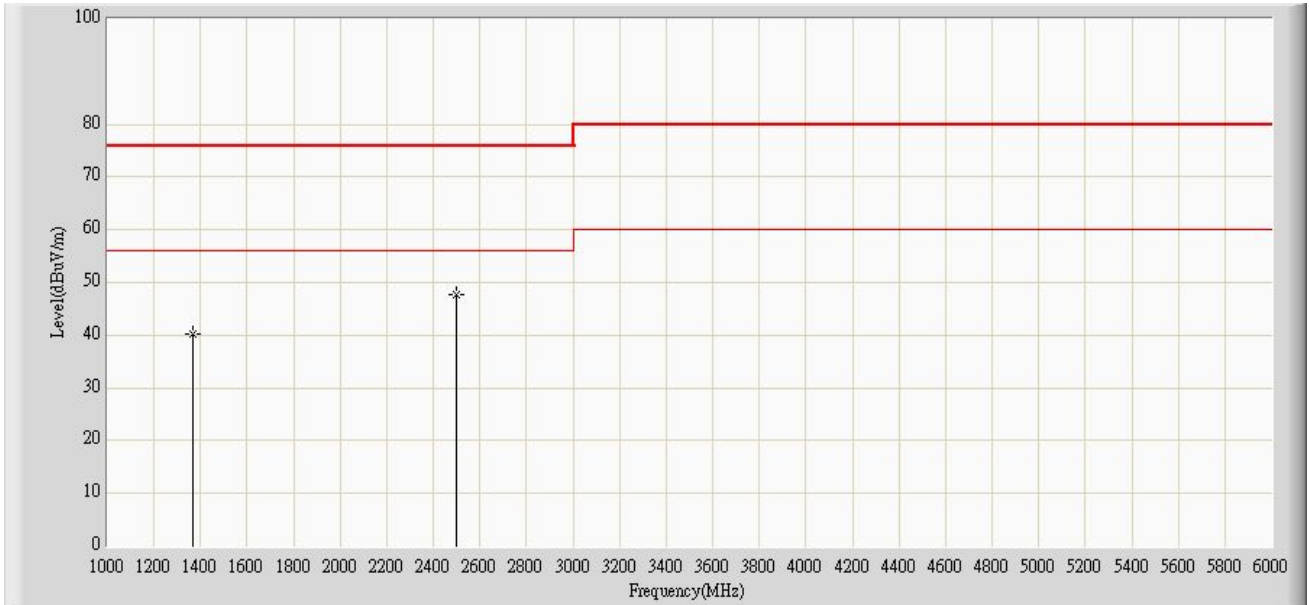


	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	1256.000	40.541	42.790	-35.459	76.000	-2.249	PK
2	* 2388.000	45.166	42.690	-30.834	76.000	2.475	PK

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2012/09/05 - 02:29
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Vertical
EUT: Network Camera	Power: By PoE
Note: Mode 3	

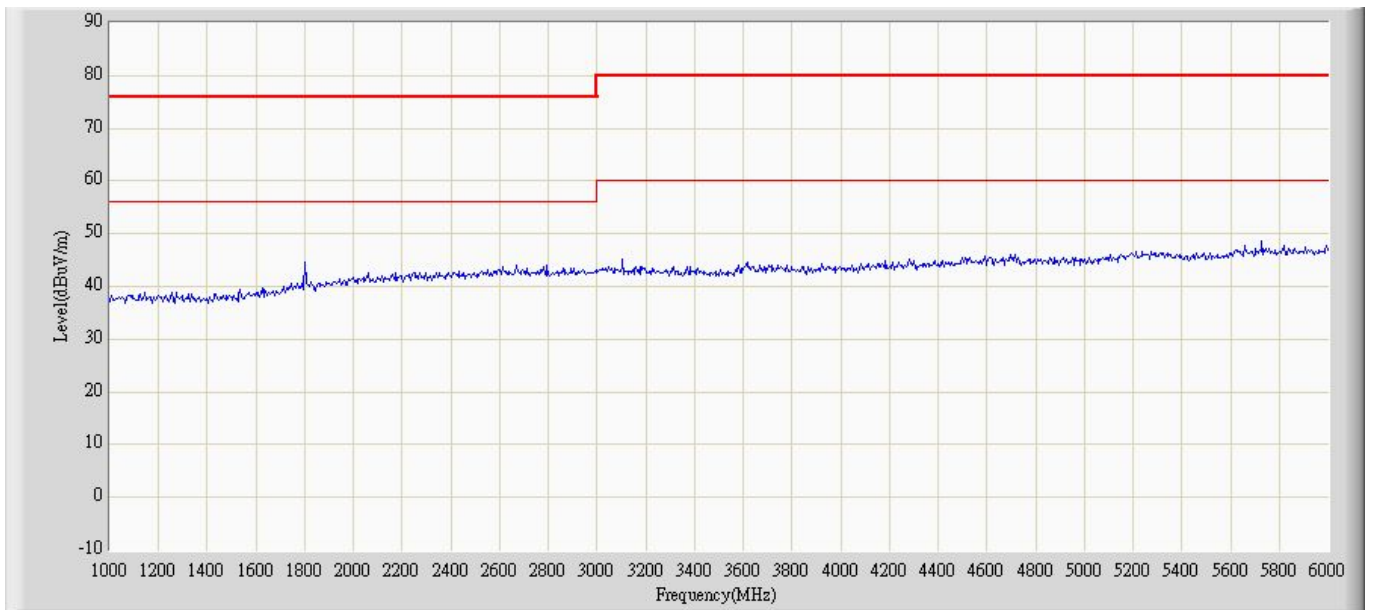


	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	1366.000	40.155	42.300	-35.845	76.000	-2.145	PK
2	* 2501.000	47.622	44.920	-28.378	76.000	2.702	PK

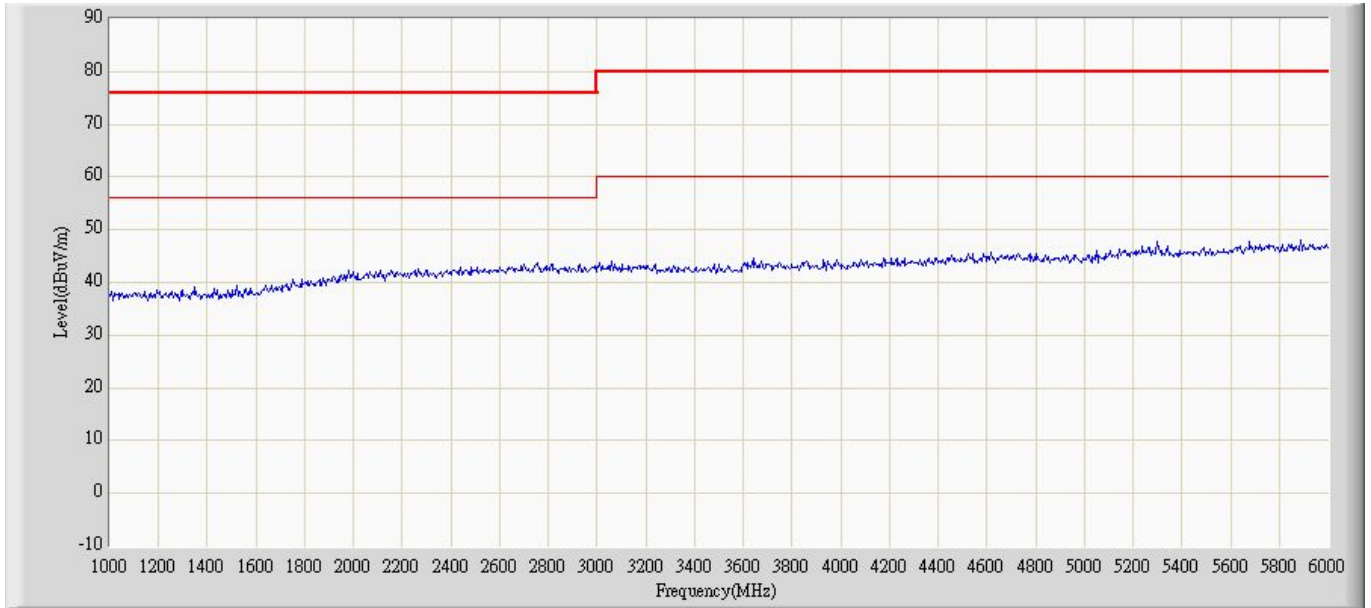
**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

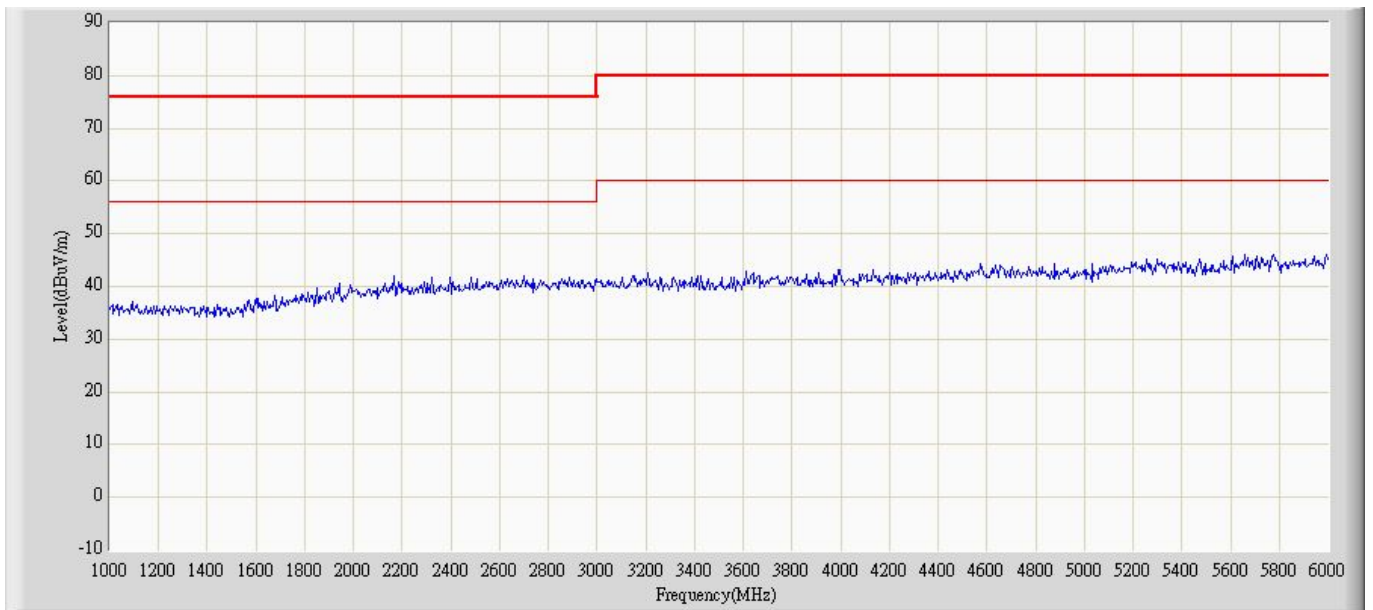
Site: CB7	Time: 2012/10/24 - 10:49
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Horizontal
EUT: Network Camera	Power: AC 100V/50Hz
Note: Mode 1	



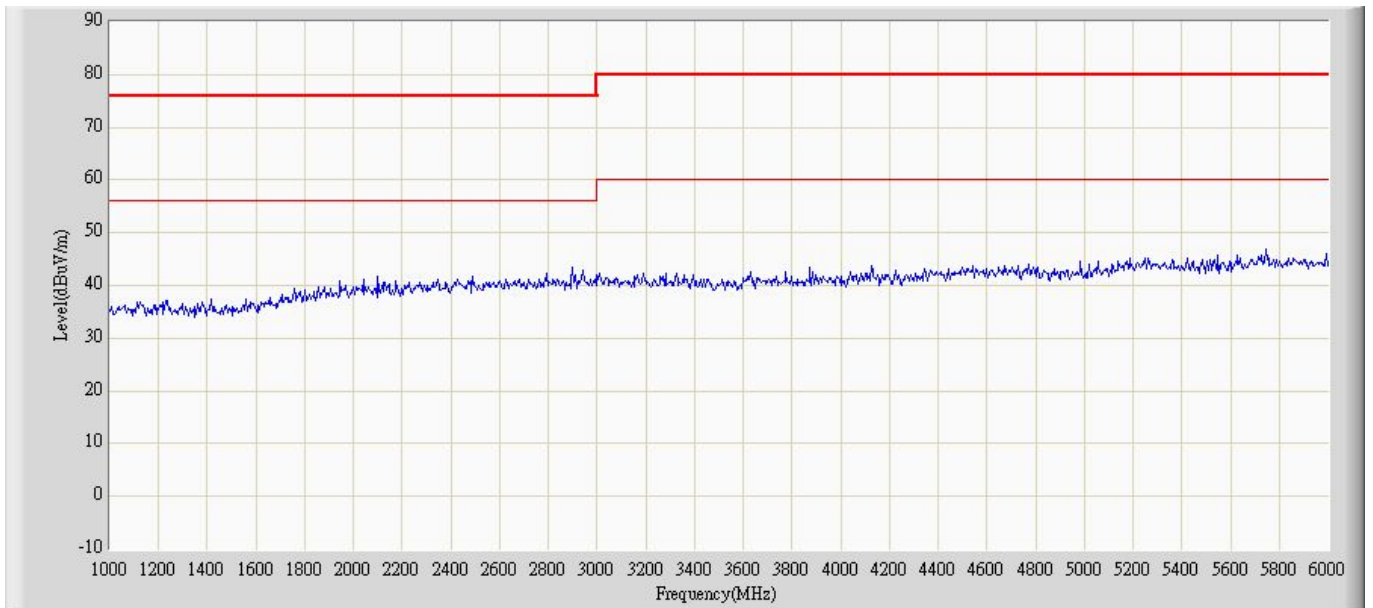
Site: CB7	Time: 2012/10/24 - 10:54
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Vertical
EUT: Network Camera	Power: AC 100V/50Hz
Note: Mode 1	



Site: CB7	Time: 2012/10/24 - 11:12
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Horizontal
EUT: Network Camera	Power: AC 100V/50Hz
Note: Mode 2	

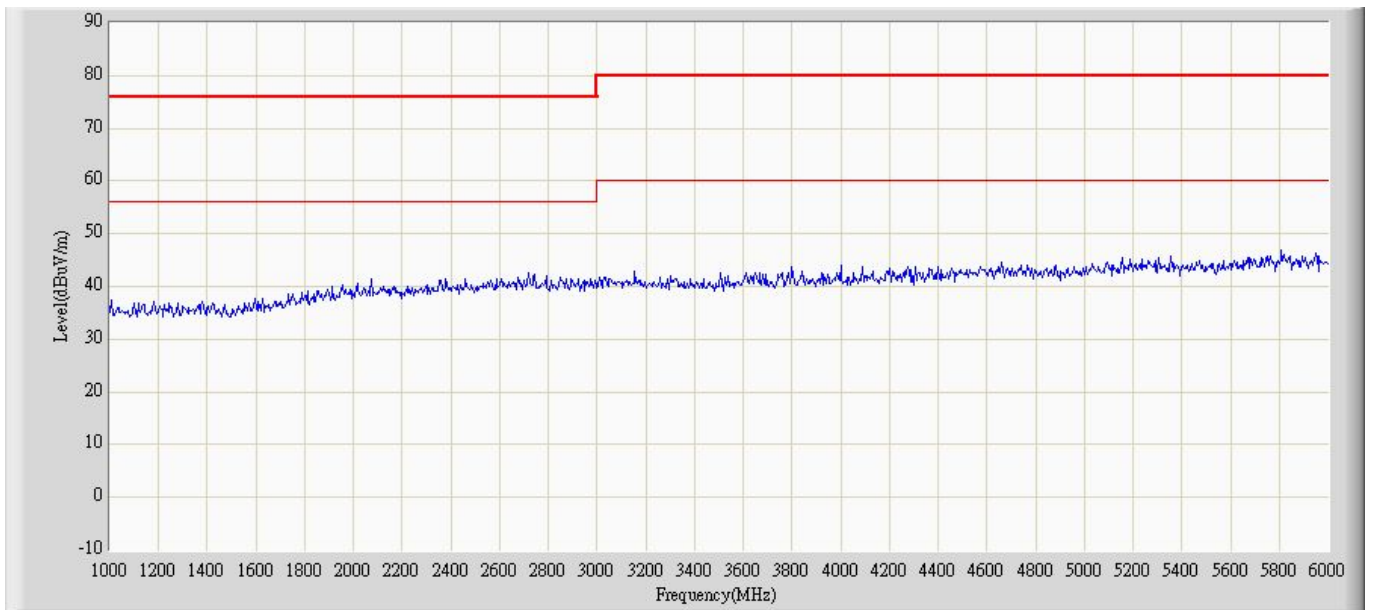


Site: CB7	Time: 2012/10/24 - 11:13
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Vertical
EUT: Network Camera	Power: AC 100V/50Hz
Note: Mode 2	

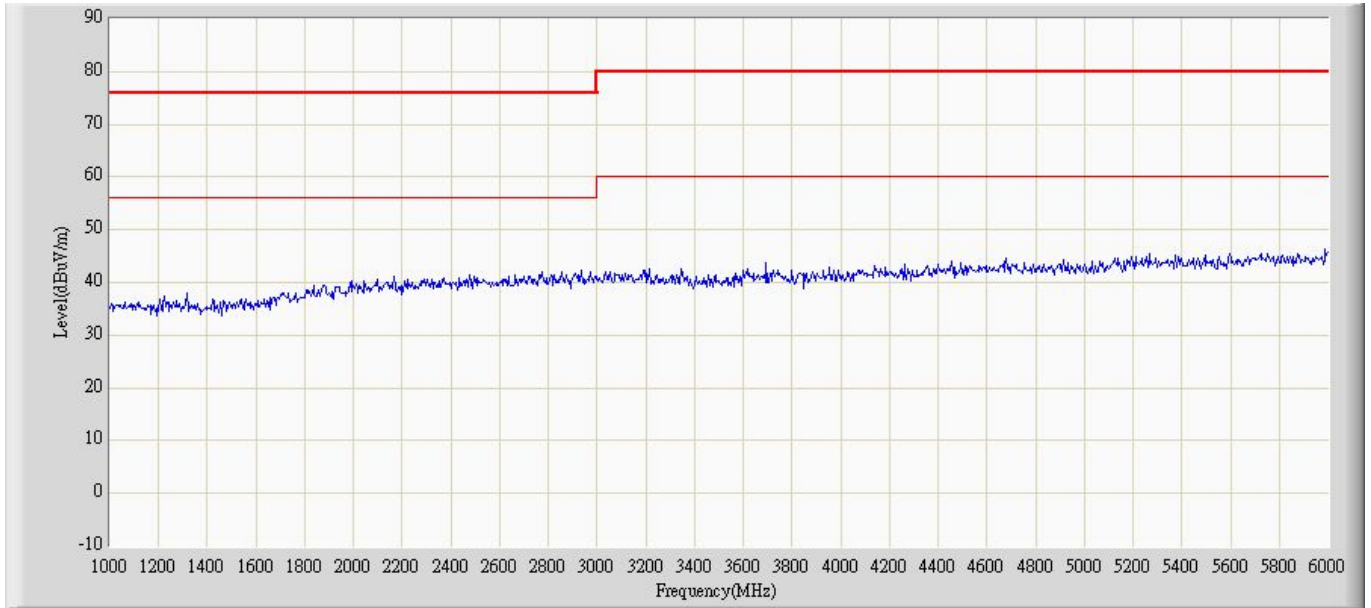




Site: CB7	Time: 2012/10/24 - 11:33
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Horizontal
EUT: Network Camera	Power: By POE
Note: Mode 3	



Site: CB7	Time: 2012/10/24 - 11:43
Limit: VCCI_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1204	Polarity: Vertical
EUT: Network Camera	Power: By POE
Note: Mode 3	



## 5.7. Test Photograph

Test Mode : Mode 1: AC 24V

Description : Front View of Radiated Test



Test Mode : Mode 1: AC 24V

Description : Back View of Radiated Test



Test Mode : Mode 1: AC 24V

Description : Front View of High Frequency Radiated Test



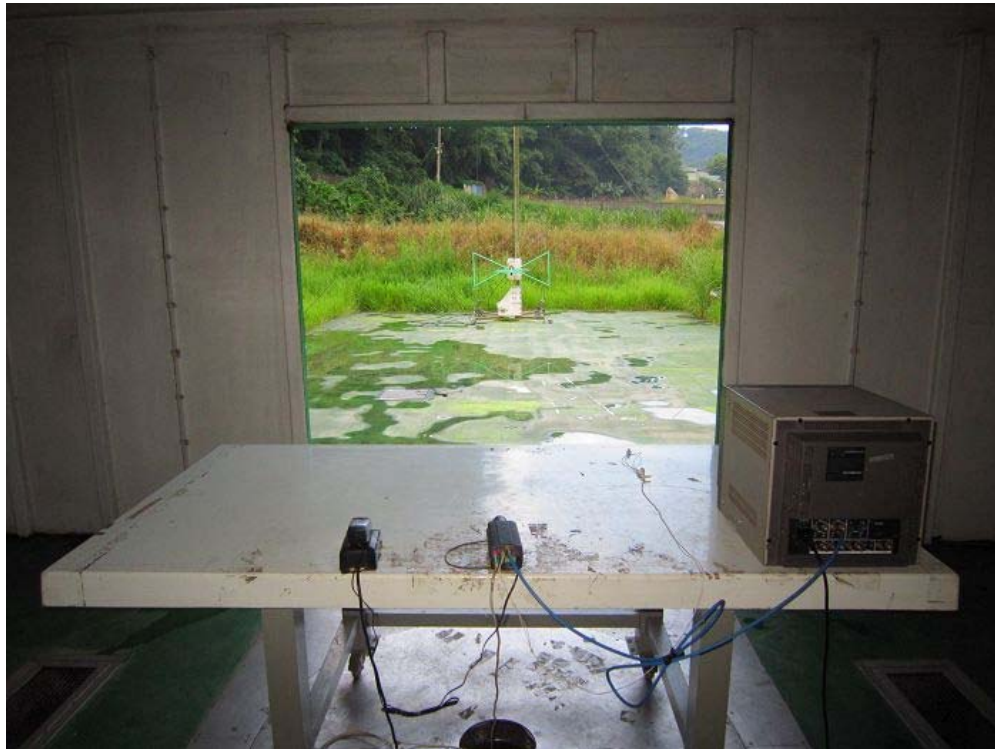
Test Mode : Mode 2: DC 12V

Description : Front View of Radiated Test



Test Mode : Mode 2: DC 12V

Description : Back View of Radiated Test



Test Mode : Mode 2: DC 12V

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 3: PoE

Description : Front View of Radiated Test



Test Mode : Mode 3: PoE

Description : Back View of Radiated Test



Test Mode : Mode 3: PoE

Description : Front View of High Frequency Radiated Test



6. Attachment

➤ EUT Photograph

(1) EUT Photo



(2) EUT Photo





(3) EUT Photo



(4) EUT Photo



(5) EUT Photo



(6) EUT Photo

