FCC Test Report

Compliance with Industry Canada Interference-Causing Equipment Standard ICES-003

Product Name ： Network Camera
Model No. ： VC8101

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

Date of Receipt ： 2016/01/04
Issued Date ： 2016/01/19
Report No. ： 1610069R-ITUSP01V00
Report Version ： V1.0

Testing Laboratory
3023

Test Report

Issued Date : 2016/01/19
Report No. : 1610069R-ITUSP01V00

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.	:	VC8101
EUT Rated Voltage	:	DC 8~36V, By PoE
EUT Test Voltage	:	AC 120V, By PoE
Trade Name	:	VIVOTEK
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart B: 2014, Class B CISPR 22: 2008, ANSI C63.4: 2014 ICES-003 Issue 5: 2012 Class B
Test Result	:	Complied
Performed Location	:	Quietek Corporation (Linkou Laboratory) No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C. TEL:+866-2-8601-3788 / FAX:+886-2-8601-3789

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Reviewed By : Simon tsai
(Engineer / Simon Tsai)

Approved By :
(Director / Vincent Lin)

Laboratory Information

We, **QuieTek 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:

Taiwan R.O.C.	**:**	**BSMI, NCC, TAF**
Norway	**:**	**DNV**
USA	**:**	**FCC**
Japan	**:**	**VCCI**

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site : http://www.quietek.com/chinese/about/certificates.aspx?bval=5
The address and introduction of QuieTek 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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TEL : +86-512-6251-5088 / FAX : +86-512-6251-5098 E-Mail : service@quietek.com

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	Network Camera
Trade Name	VIVOTEK
Model No.	VC8101

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:Poe MODE Mode 2:ADAPTER MODE	
Final Test Mode	
Emission	Mode 1:Poe MODE Mode 2:ADAPTER MODE

1.3. Tested System Details

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

Mode 1:

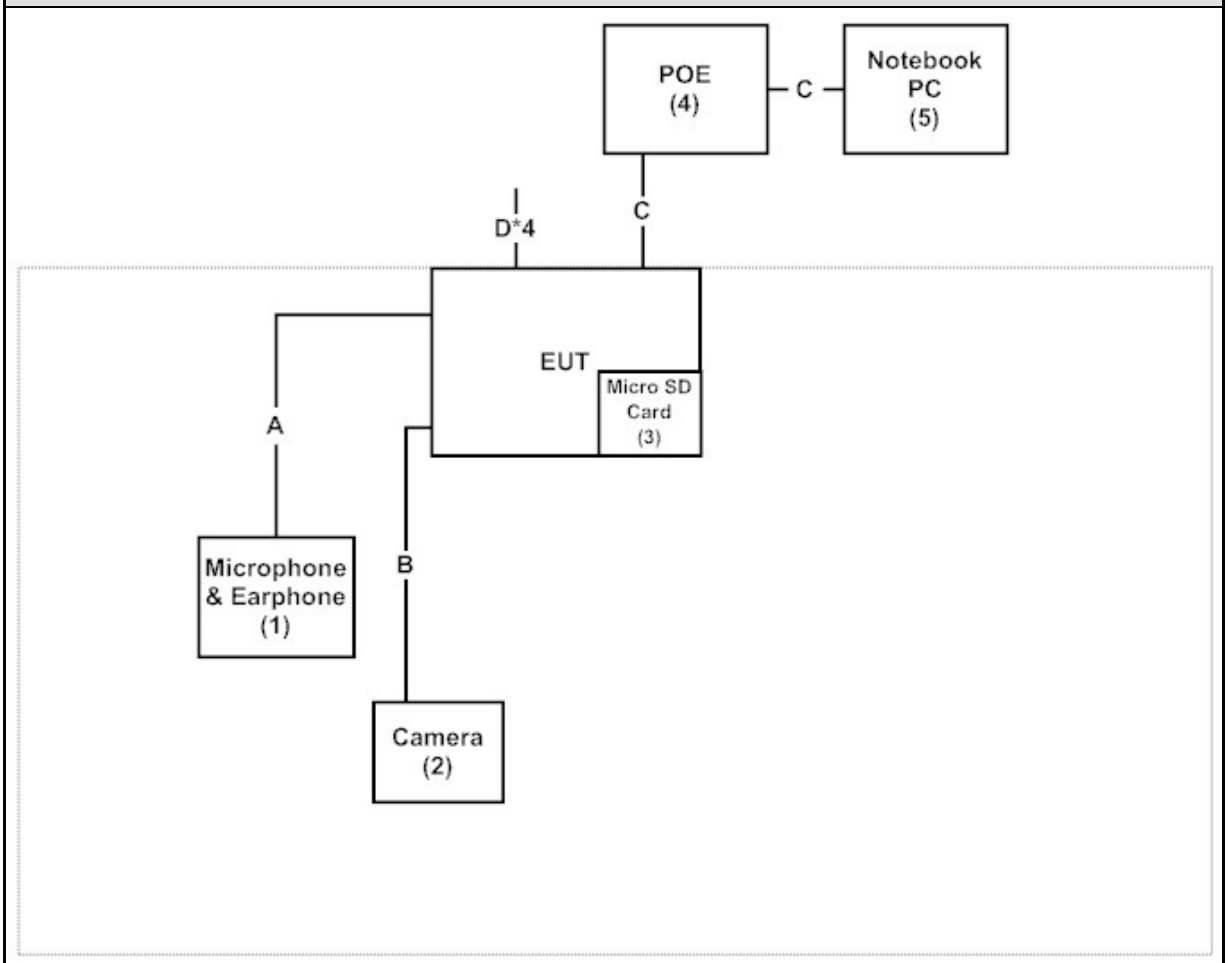
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Microphone & Earphone	Ergotech	E201	N/A	N/A
2	Camera	N/A	N/A	N/A	N/A
3	Micro SD Card 1GB	SanDisk	N/A	0801002841D2N	N/A
4	POE	N/A	N/A	N/A	Non-Shielded, 2m
5	Notebook PC	Lenovo	ThinkPad Edge E440	PF05HX2Z	Non-Shielded, 0.8m

Mode 2:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Microphone & Earphone	Ergotech	E201	N/A	N/A
2	Camera	N/A	N/A	N/A	N/A
3	Micro SD Card 1GB	SanDisk	N/A	0801002841D2N	N/A
4	Notebook PC	Lenovo	ThinkPad Edge E440	PF05HX2Z	Non-Shielded, 0.8m

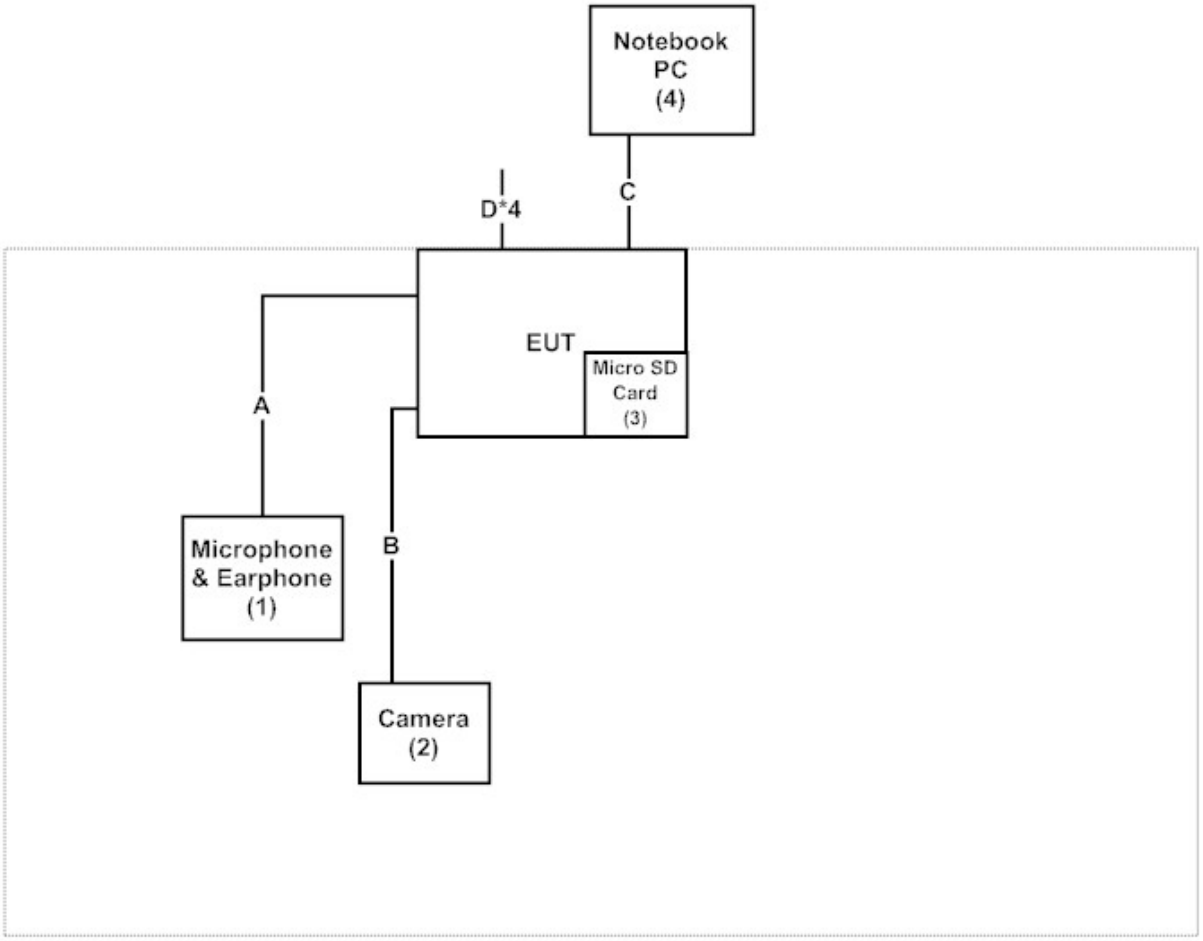
1.4. Configuration of Tested System

Mode 1:

Connection Diagram


Signal Cable Type		Signal cable Description
A	Microphone & Earphone Cable	Non-shielded, 2m
B	Camera Cable	Shielded, 5.2m
C	LAN Cable	Non-shielded, 7m, two PCS.
D	Signal Cable	Non-shielded, 0.26m, four PCS.

Mode 2:

Connection Diagram


Signal Cable Type		Signal cable Description
A	Microphone & Earphone Cable	Non-shielded, 2m
B	Camera Cable	Shielded, 5.2m
C	LAN Cable	Non-shielded, 7m
D	Signal Cable	Non-shielded, 0.26m, four PCS.

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	FCC CFR Title 47 Part 15 Subpart B: 2014 Class B ANSI C63.4: 2014	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2014 Class B ANSI C63.4: 2014	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	100367	2015/12/21
LISN	R&S	ENV216	100085	2016/01/19
LISN	R&S	ESH3-Z5	836679/023	2016/01/19
Coaxial Cable	QTK(Arnist)	RG 400	LC016-RG	2015/06/24

Radiated Emission / Site1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2905	2015/06/12
EMI Test Receiver	R&S	ESCS 30	100121	2015/04/13
Coaxial Cable	QTK(Arnist)	RG 214	LC001-RG	2015/06/15
Coaxial signal switch	Arnist	MP59B	6200436229	2015/06/15
Site1 NSA	QTK	N/A	N/A	2015/06/15

Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESU26	100433	2015/09/03
Horn Antenna	ETS-Lindgren	3117	00135205	2015/04/01
Horn Antenna	SCHWARZBECK	9120D	576	2015/11/25
Pre-Amplifier	COM-POWER	PAM-118	443019	2015/07/14
CB7 VSWR	QTK	N/A	N/A	2015/06/25

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 2.26 dB.

Radiated Emission

The measurement uncertainty is evaluated as ± 3.19 dB.

2.4. Test Environment

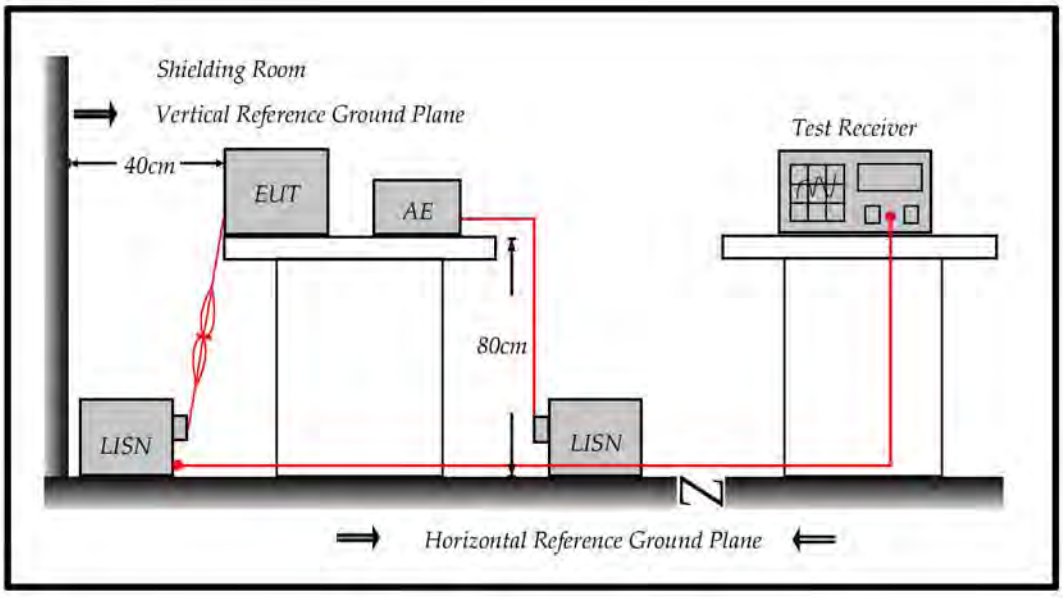
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	20.8
	Humidity (%RH)	25-75	59
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	18
	Humidity (%RH)	25-75	39
	Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

3.1. Test Specification

According to Standard : FCC Part 15 Subpart B, ANSI C63.4

3.2. Test Setup



3.3. Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 – 46
0.50-5.0	56	46
5.0 - 30	60	50

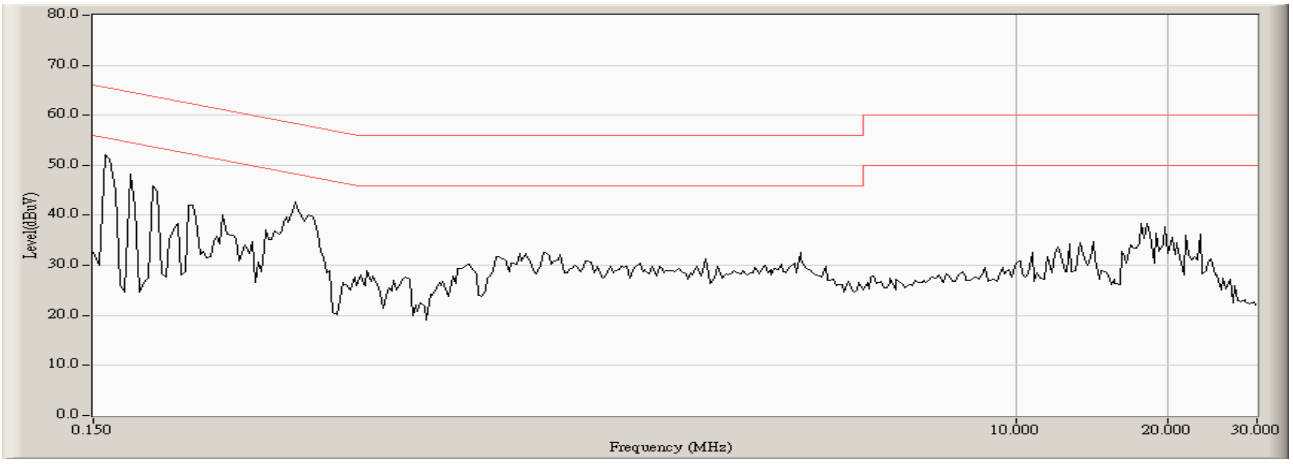
Remarks: In the above table, the tighter limit applies at the band edges.

3.4. Test Procedure

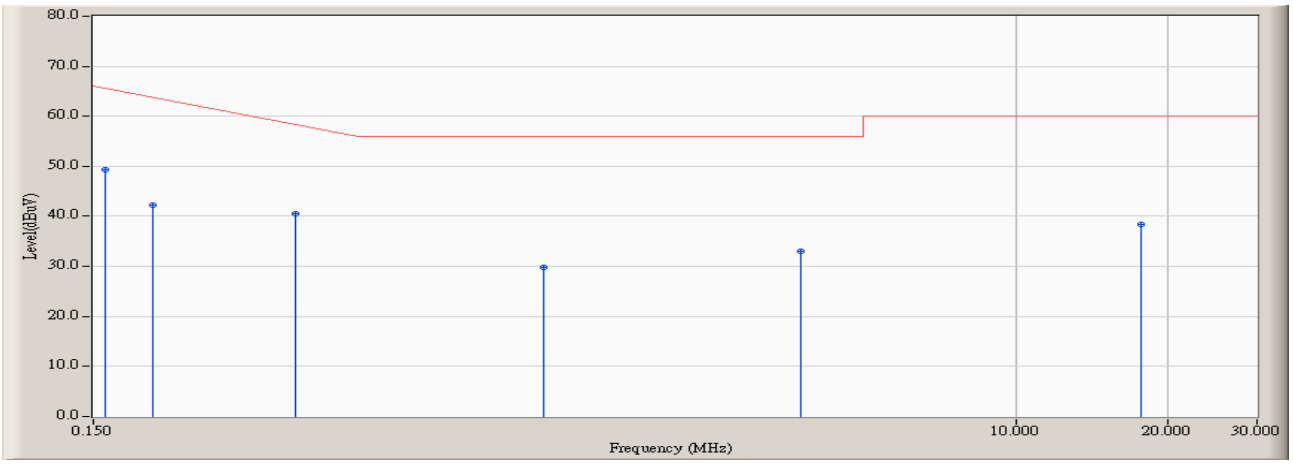
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling 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 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Site : SR1	**Time : 2016/01/05 - 19:51**
Limit : CISPR_B_00M_QP	**Margin : 10**
EUT : Network Camera	**Probe : ENV216_L1 - Line1**
Power : AC 120V/60Hz to DC 12V	**Note : Mode 2**



Site : SR1	**Time : 2016/01/05 - 19:52**
Limit : CISPR_B_00M_QP	**Margin : 0**
EUT : Network Camera	**Probe : ENV216_L1 - Line1**
Power : AC 120V/60Hz to DC 12V	**Note : Mode 2**

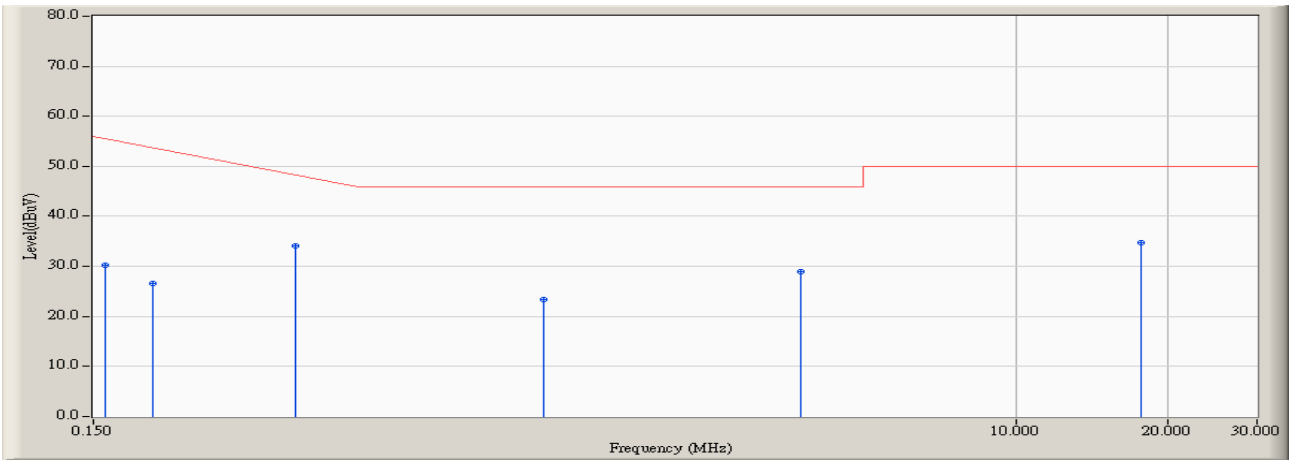


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.158	9.747	39.600	49.347	-16.424	65.771	QUASIPEAK
2		0.197	9.739	32.540	42.279	-22.378	64.657	QUASIPEAK
3		0.377	9.747	30.690	40.437	-19.077	59.514	QUASIPEAK
4		1.162	9.782	20.040	29.822	-26.178	56.000	QUASIPEAK
5		3.748	9.885	23.130	33.015	-22.985	56.000	QUASIPEAK
6		17.693	10.201	28.170	38.371	-21.629	60.000	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 : 2016/01/05 - 19:52**
Limit : CISPR_B_00M_AV	**Margin : 0**
EUT : Network Camera	**Probe : ENV216_L1 - Line1**
Power : AC 120V/60Hz to DC 12V	**Note : Mode 2**

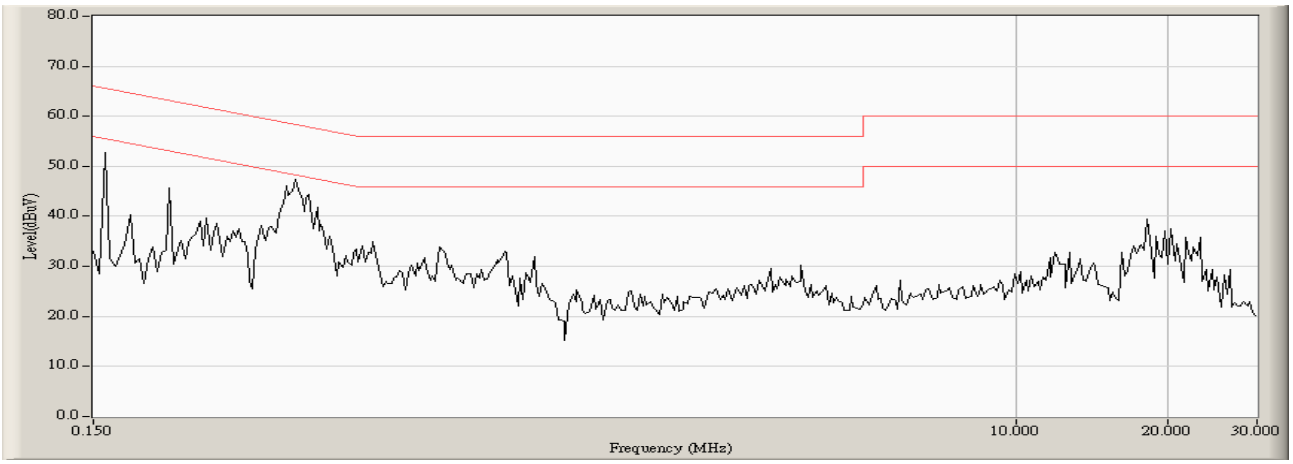


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.747	20.490	30.237	-25.534	55.771	AVERAGE
2		0.197	9.739	16.950	26.689	-27.968	54.657	AVERAGE
3		0.377	9.747	24.260	34.007	-15.507	49.514	AVERAGE
4		1.162	9.782	13.500	23.282	-22.718	46.000	AVERAGE
5		3.748	9.885	19.130	29.015	-16.985	46.000	AVERAGE
6	*	17.693	10.201	24.620	34.821	-15.179	50.000	AVERAGE

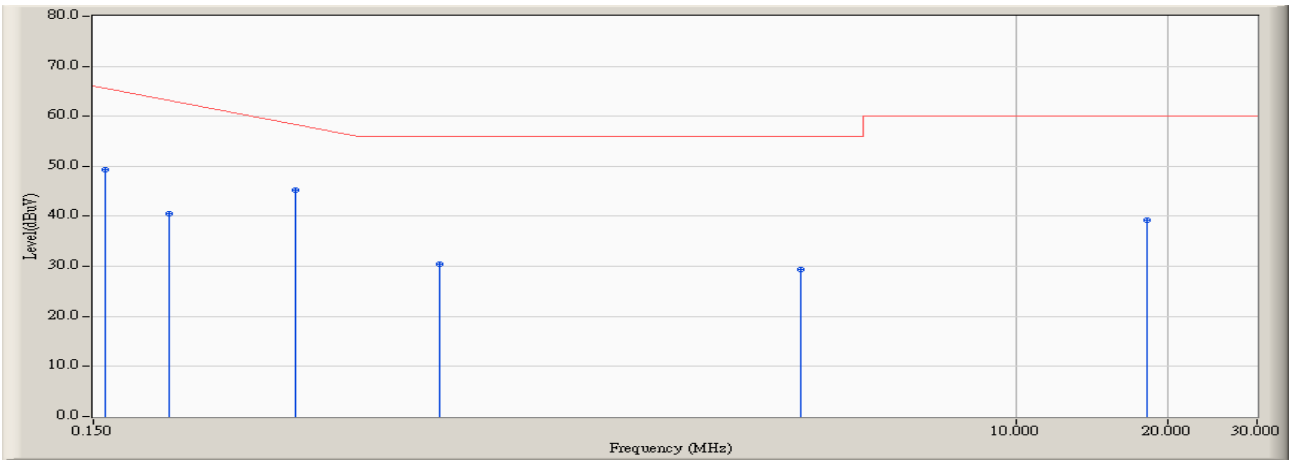
Note:

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 : 2016/01/05 - 19:52**
Limit : CISPR_B_00M_QP	**Margin : 10**
EUT : Network Camera	**Probe : ENV216_N - Line2**
Power : AC 120V/60Hz to DC 12V	**Note : Mode 2**



Site : SR1	**Time : 2016/01/05 - 19:54**
Limit : CISPR_B_00M_QP	**Margin : 0**
EUT : Network Camera	**Probe : ENV216_N - Line2**
Power : AC 120V/60Hz to DC 12V	**Note : Mode 2**

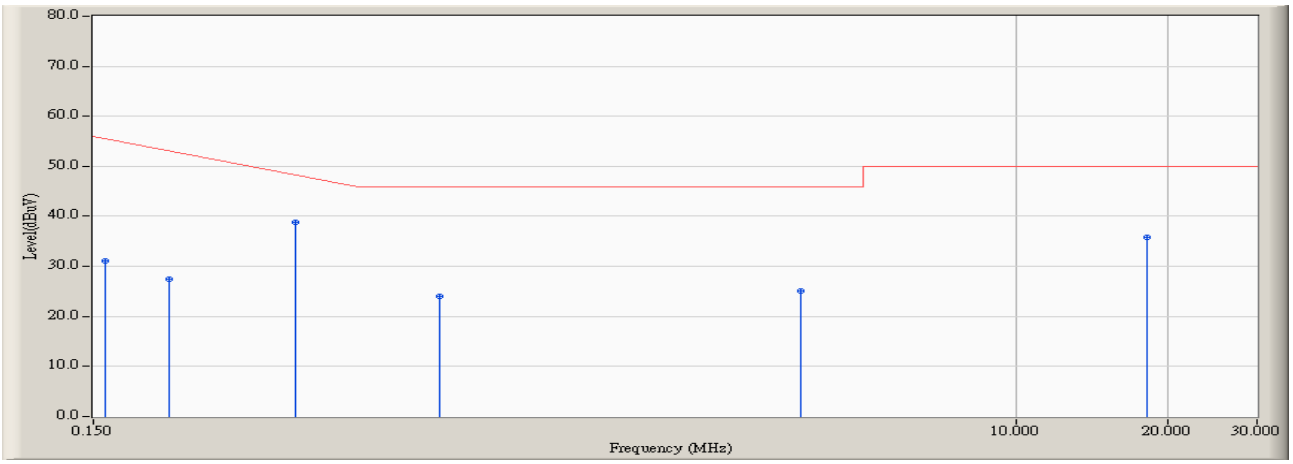


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.737	39.620	49.357	-16.414	65.771	QUASIPEAK
2		0.212	9.739	30.880	40.619	-23.610	64.229	QUASIPEAK
3	*	0.377	9.737	35.420	45.157	-14.357	59.514	QUASIPEAK
4		0.728	9.753	20.600	30.353	-25.647	56.000	QUASIPEAK
5		3.752	9.885	19.530	29.415	-26.585	56.000	QUASIPEAK
6		18.244	10.326	29.030	39.356	-20.644	60.000	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 : 2016/01/05 - 19:54**
Limit : CISPR_B_00M_AV	**Margin : 0**
EUT : Network Camera	**Probe : ENV216_N - Line2**
Power : AC 120V/60Hz to DC 12V	**Note : Mode 2**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.737	21.380	31.117	-24.654	55.771	AVERAGE
2		0.212	9.739	17.790	27.529	-26.700	54.229	AVERAGE
3	*	0.377	9.737	29.000	38.737	-10.777	49.514	AVERAGE
4		0.728	9.753	14.330	24.083	-21.917	46.000	AVERAGE
5		3.752	9.885	15.290	25.175	-20.825	46.000	AVERAGE
6		18.244	10.326	25.570	35.896	-14.104	50.000	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

3.6. Test Photograph

Test Mode : Mode 2:ADAPTER MODE

Description : Front View of Conducted Test

Test Mode : Mode 2:ADAPTER MODE

Description : Back View of Conducted Test

Test Mode : Mode 2:ADAPTER MODE

Description : Back View of Conducted Test

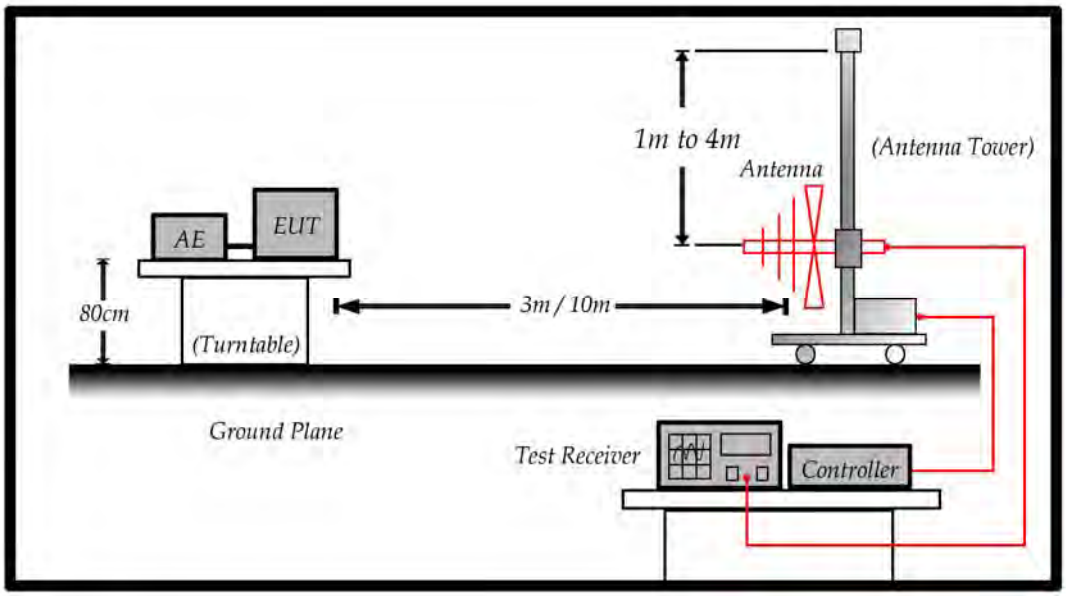
4. Radiated Emission

4.1. Test Specification

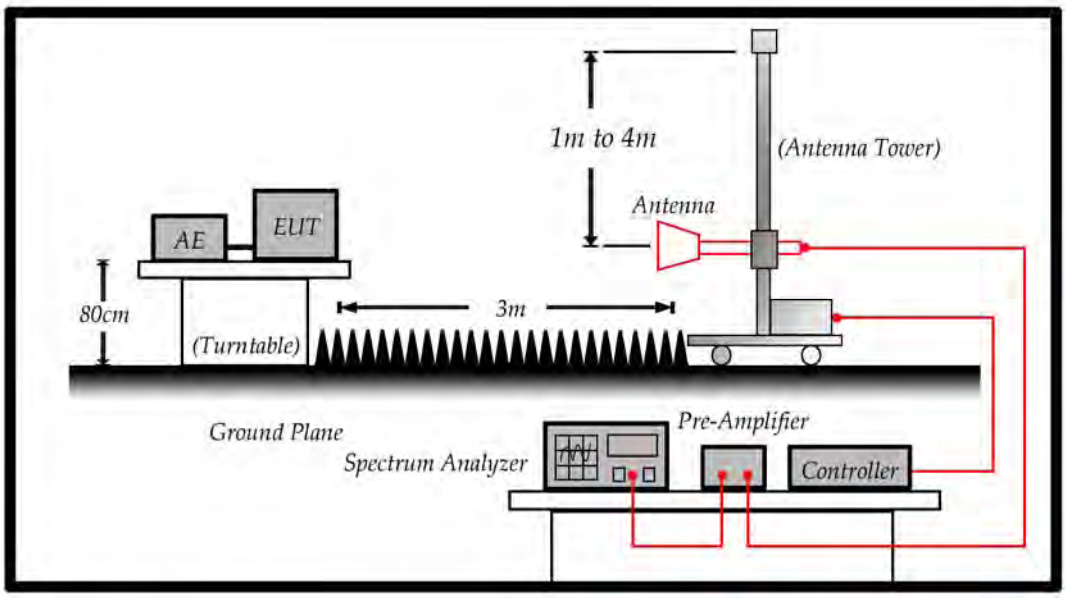
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Under 1GHz test shall not exceed the following value:

Limits		
Frequency (MHz)	Distance (m)	dBuV/m
30 – 230	10	30
230 – 1000	10	37

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.

Above 1GHz test shall not exceed the following value:

FCC Part 15 Subpart B Paragraph 15.109 Limits (dBuV/m)		
Frequency (MHz)	Distance (m)	dBuV/m
30-88	3	40
88-216	3	43.5
216-960	3	46
Above 960	3	54

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.
3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

4.4. 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 and 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 on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the folowing table:

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

On any frequency or frequencies below or equal to 1000 MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000 MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

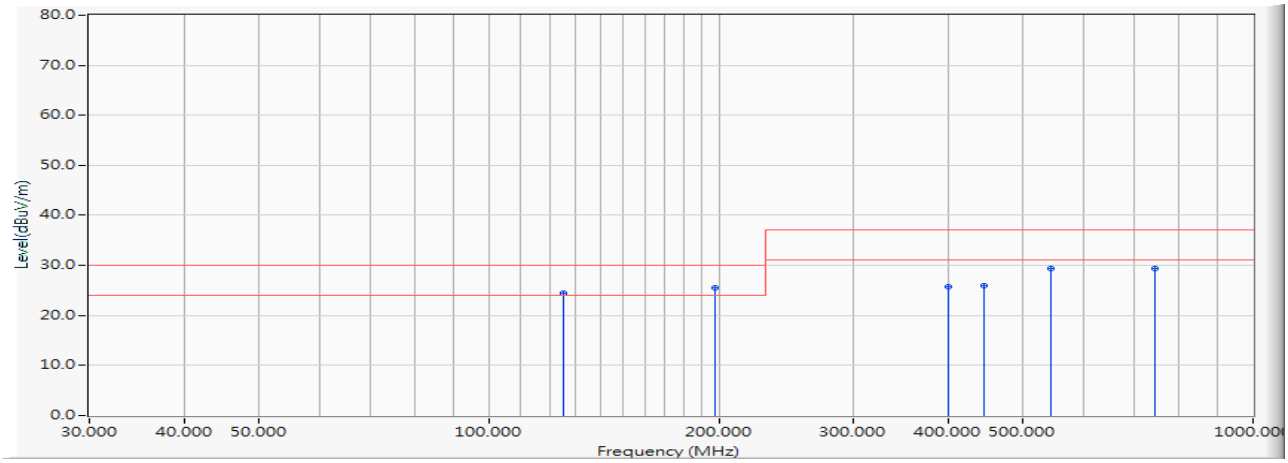
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCS 30) is 120 kHz and above 1GHz is 1MHz.

4.5. Test Result

Site : site1	**Time : 2016/01/07 - 19:30**
Limit : CISPR_B_10M_QP	**Margin : 6**
EUT : Network Camera	**Probe : Site1_CBL6112_10M_1506 - HORIZONTAL**
Power : PoE	**Note : Mode 1**

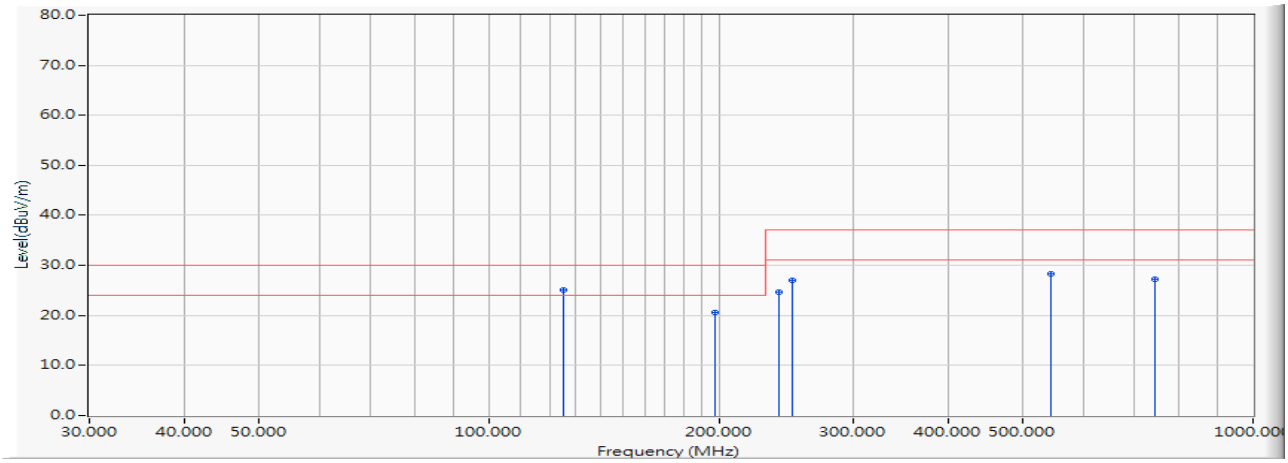


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		125.000	14.392	10.000	24.392	-5.608	30.000	QUASIPEAK
2	*	198.000	12.008	13.500	25.508	-4.492	30.000	QUASIPEAK
3		400.000	20.239	5.600	25.839	-11.161	37.000	QUASIPEAK
4		445.500	21.391	4.600	25.991	-11.009	37.000	QUASIPEAK
5		544.490	24.216	5.200	29.416	-7.584	37.000	QUASIPEAK
6		742.500	25.896	3.500	29.396	-7.604	37.000	QUASIPEAK

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 : site1	**Time : 2016/01/07 - 19:23**
Limit : CISPR_B_10M_QP	**Margin : 6**
EUT : Network Camera	**Probe : Site1_CBL6112_10M_1506 - VERTICAL**
Power : PoE	**Note : Mode 1**

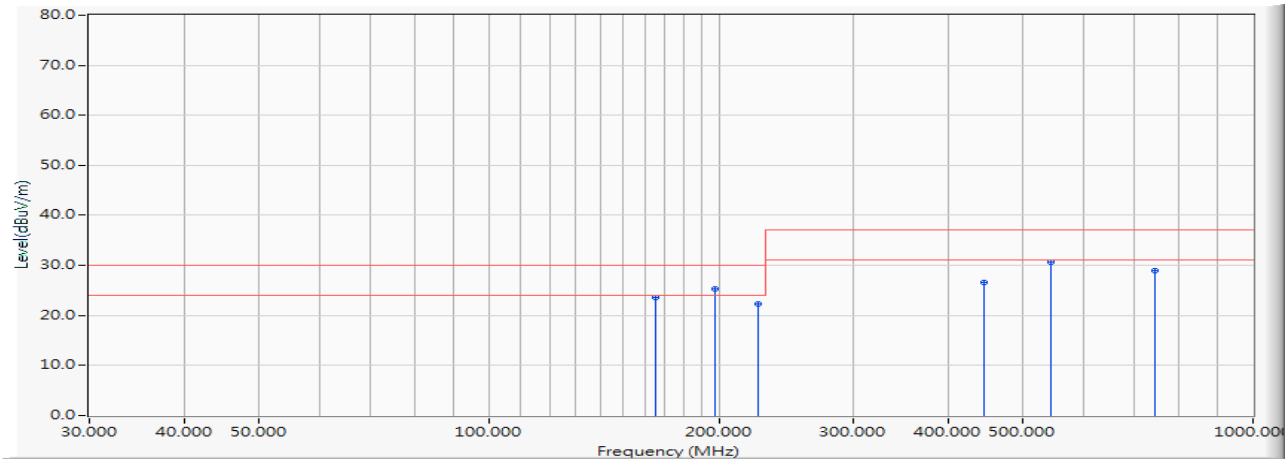


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	125.000	14.392	10.600	24.992	-5.008	30.000	QUASIPEAK
2		198.000	12.008	8.600	20.608	-9.392	30.000	QUASIPEAK
3		240.000	14.529	10.200	24.729	-12.271	37.000	QUASIPEAK
4		250.000	15.716	11.300	27.016	-9.984	37.000	QUASIPEAK
5		544.490	24.216	4.100	28.316	-8.684	37.000	QUASIPEAK
6		742.500	25.896	1.300	27.196	-9.804	37.000	QUASIPEAK

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 : site1	**Time : 2016/01/07 - 20:14**
Limit : CISPR_B_10M_QP	**Margin : 6**
EUT : Network Camera	**Probe : Site1_CBL6112_10M_1506 - HORIZONTAL**
Power : AC 120V/60Hz to DC 12V	**Note : Mode 2**

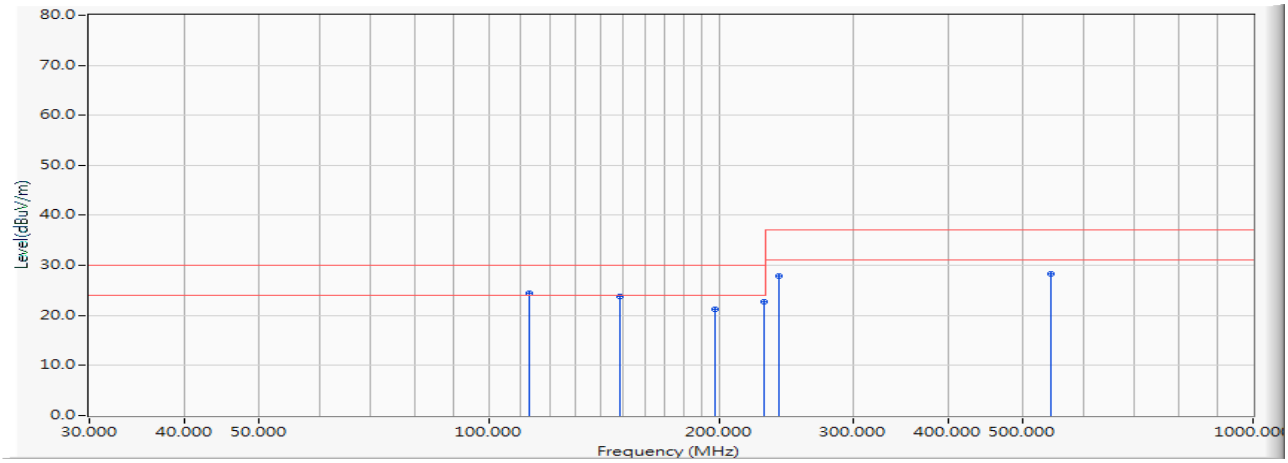


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		164.910	12.449	11.100	23.548	-6.452	30.000	QUASIPEAK
2	*	198.000	12.008	13.200	25.208	-4.792	30.000	QUASIPEAK
3		224.900	12.744	9.500	22.244	-7.756	30.000	QUASIPEAK
4		445.500	21.391	5.200	26.591	-10.409	37.000	QUASIPEAK
5		544.491	24.216	6.500	30.716	-6.284	37.000	QUASIPEAK
6		742.500	25.896	3.000	28.896	-8.104	37.000	QUASIPEAK

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 : site1	**Time : 2016/01/07 - 20:15**
Limit : CISPR_B_10M_QP	**Margin : 6**
EUT : Network Camera	**Probe : Site1_CBL6112_10M_1506 - VERTICAL**
Power : AC 120V/60Hz to DC 12V	**Note : Mode 2**

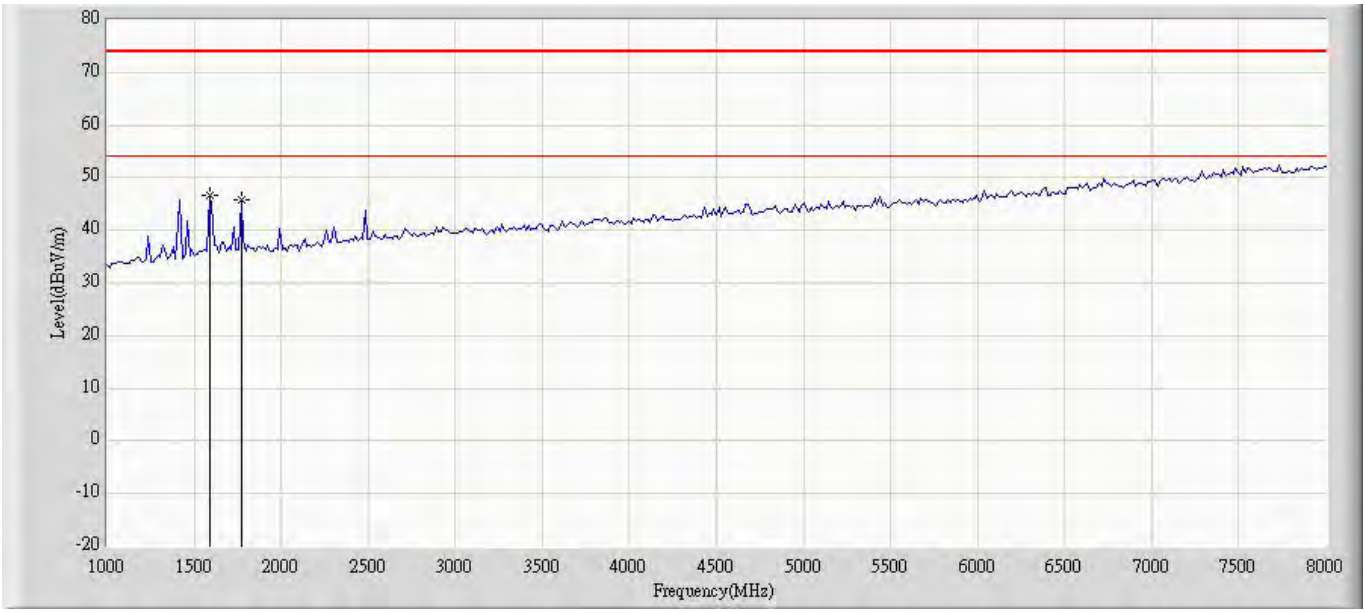


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	113.000	14.437	10.000	24.437	-5.563	30.000	QUASIPEAK
2		148.100	13.042	10.800	23.842	-6.158	30.000	QUASIPEAK
3		198.000	12.008	9.300	21.308	-8.692	30.000	QUASIPEAK
4		229.550	13.205	9.600	22.805	-7.195	30.000	QUASIPEAK
5		240.000	14.529	13.400	27.929	-9.071	37.000	QUASIPEAK
6		544.490	24.216	4.200	28.416	-8.584	37.000	QUASIPEAK

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: 2016/01/08 - 03:07
Limit: FCC_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1511	Polarity: Horizontal
EUT: Network Camera	Power: POE
Note: Mode 1	

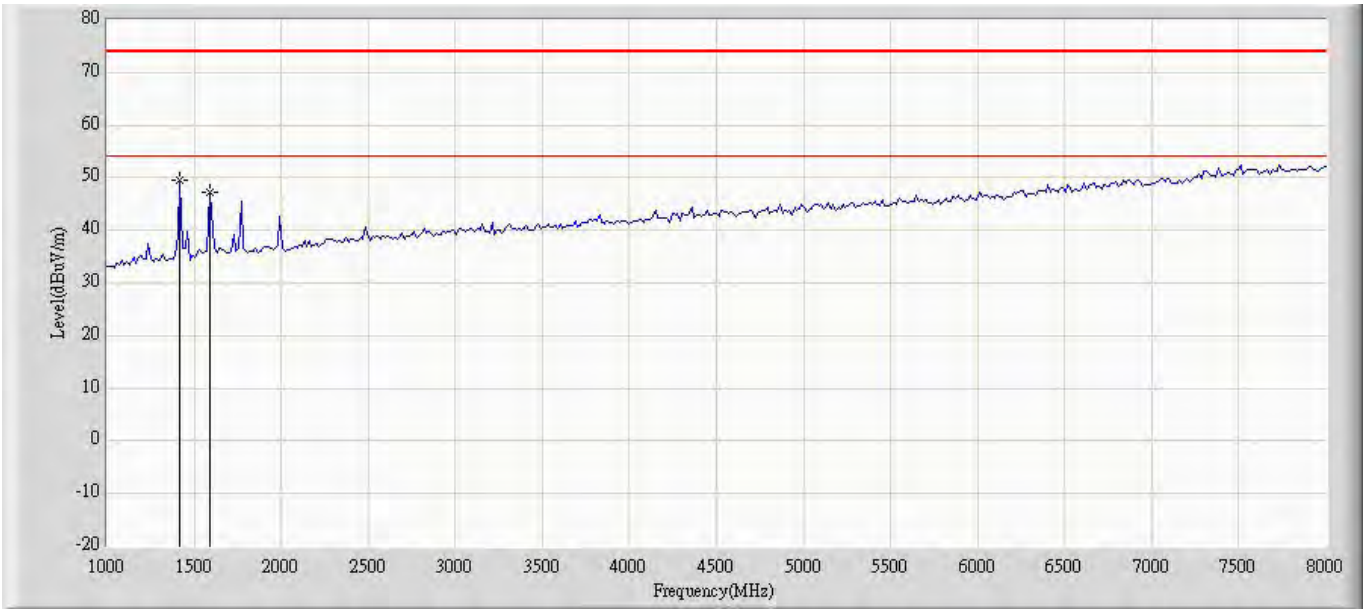


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	1588.000	46.673	44.469	-27.327	74.000	2.204	PK
2			1770.000	45.867	43.194	-28.133	74.000	2.673	PK

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: 2016/01/08 - 03:07
Limit: FCC_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1511	Polarity: Vertical
EUT: Network Camera	Power: POE
Note: Mode 1	

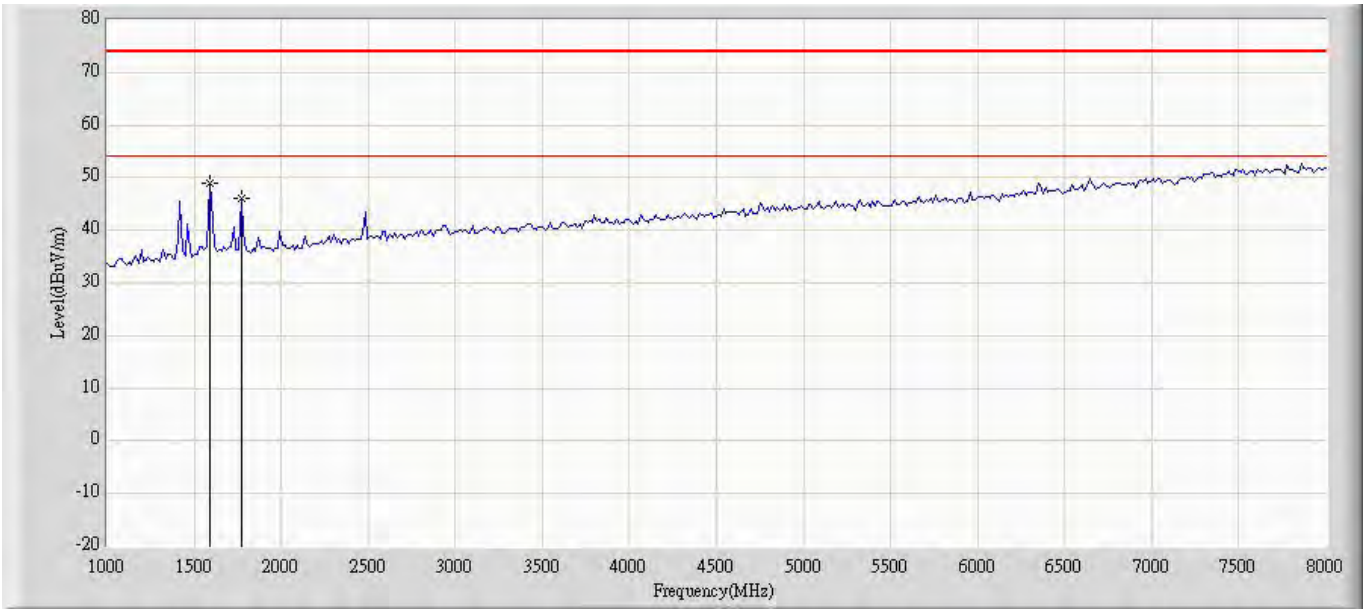


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	1420.000	49.482	47.891	-24.518	74.000	1.591	PK
2			1588.000	47.275	45.071	-26.725	74.000	2.204	PK

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: 2016/01/08 - 03:05
Limit: FCC_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1511	Polarity: Horizontal
EUT: Network Camera	Power : AC 120V/60Hz to DC 12V
Note: Mode 2	

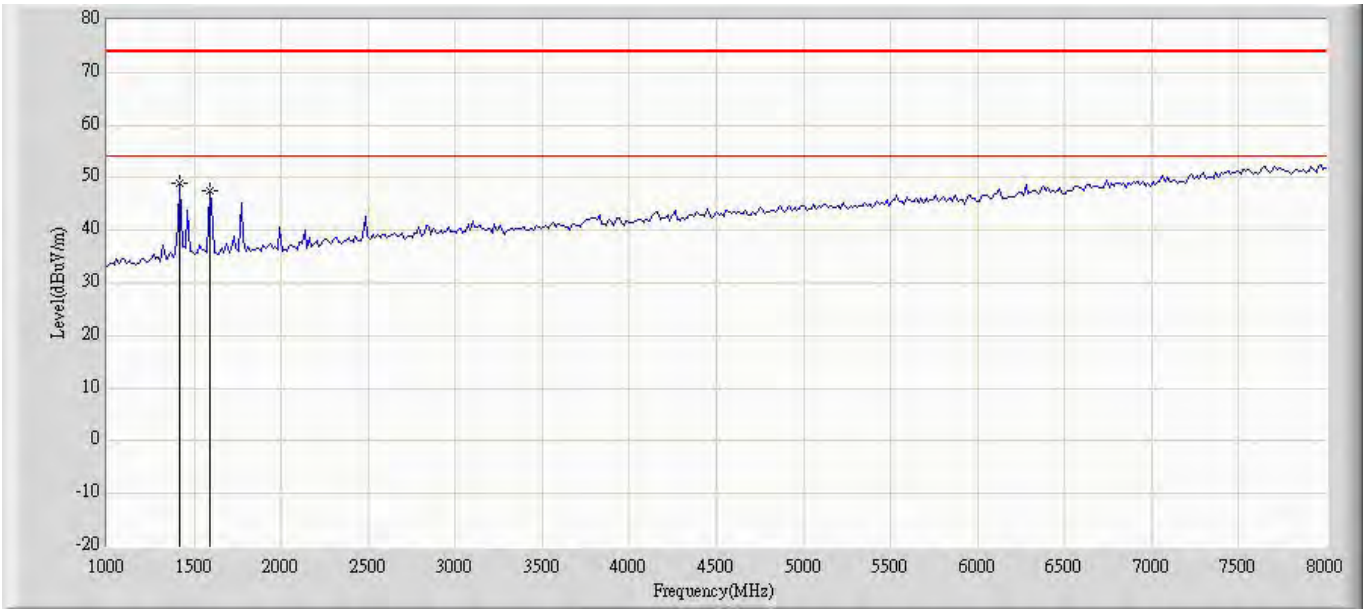


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	1588.000	48.939	46.735	-25.061	74.000	2.204	PK
2			1770.000	46.235	43.562	-27.765	74.000	2.673	PK

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: 2016/01/08 - 03:05
Limit: FCC_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1511	Polarity: Vertical
EUT: Network Camera	Power : AC 120V/60Hz to DC 12V
Note: Mode 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	1420.000	48.941	47.350	-25.059	74.000	1.591	PK
2			1588.000	47.506	45.302	-26.494	74.000	2.204	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).

4.6. Test Photograph

Test Mode : Mode 1:Poe MODE

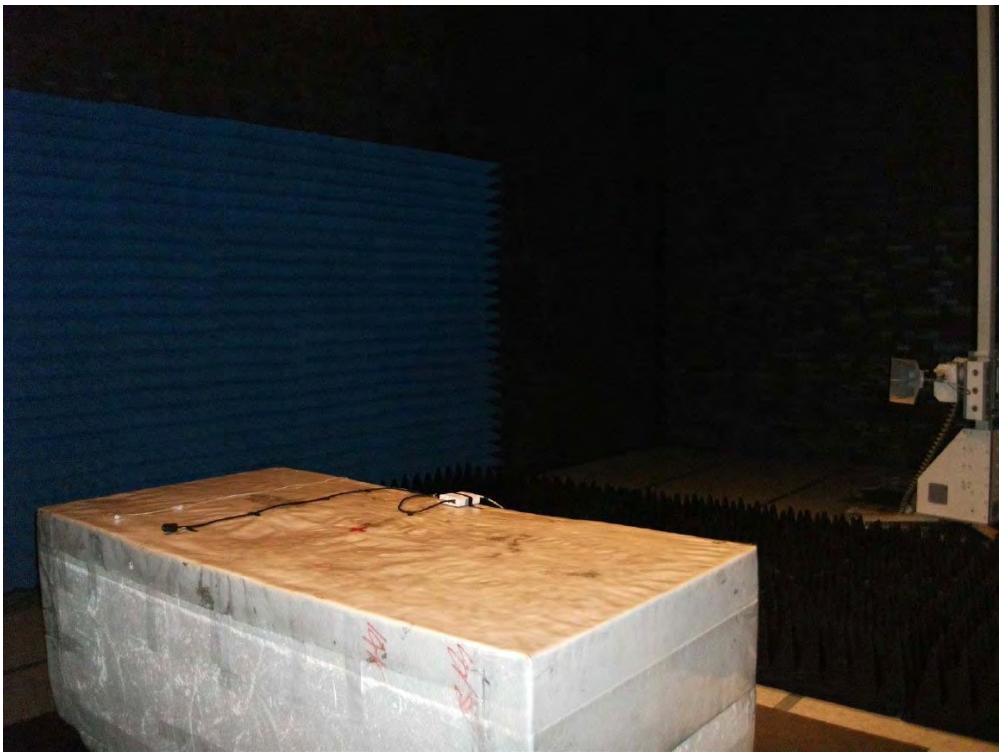
Description : Front View of Radiated Test

Test Mode : Mode 1:Poe MODE

Description : Back View of Radiated Test

Test Mode : Mode 1:Poe MODE

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 2:ADAPTER MODE

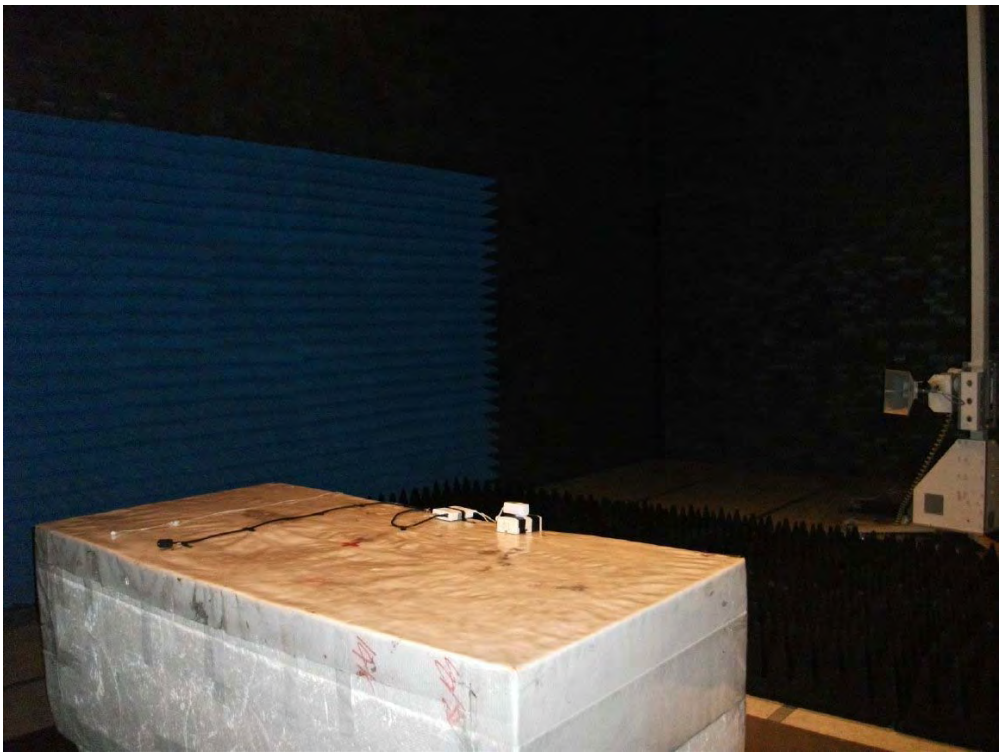
Description : Front View of Radiated Test

Test Mode : Mode 2:ADAPTER MODE

Description : Back View of Radiated Test

Test Mode : Mode 2:ADAPTER MODE

Description : Front View of High Frequency Radiated Test



5. Attachment

➢ EUT Photograph

(1) EUT Photo

(2) EUT Photo

(3) EUT Photo

(4) EUT Photo

(5) EUT Photo

(6) EUT Photo