FCC Test Report

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

Product Name ： Network Camera
Model No. ： FE9182-H, FE9382-EHV

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

Date of Receipt ： 2016/08/16
Issued Date ： 2016/09/02
Report No. ： 1680369R-ITUSP01V00
Report Version ： V1.0

Testing Laboratory
3023

Test Report

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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.	:	FE9182-H, FE9382-EHV
EUT Rated Voltage	:	DC 12V, By PoE
EUT Test Voltage	:	DC 12V, By PoE
Trade Name	:	VIVOTEK
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart B: 2015, Class B CISPR 22: 2008, ANSI C63.4: 2014 ICES-003 Issue 6: 2016 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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(Engineer / Eddie Tseng)

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

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1. General Information

1.1. EUT Description

Product Name	Network Camera
Trade Name	VIVOTEK
Model No.	FE9182-H, FE9382-EHV

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: FE9382-EHV, DC Mode 2: FE9382-EHV, PoE Mode 3: FE9182-H, DC Mode 4: FE9182-H, PoE	
Final Test Mode	
Emission	Mode 1: FE9382-EHV, DC Mode 2: FE9382-EHV, PoE

1.3. Tested System Details

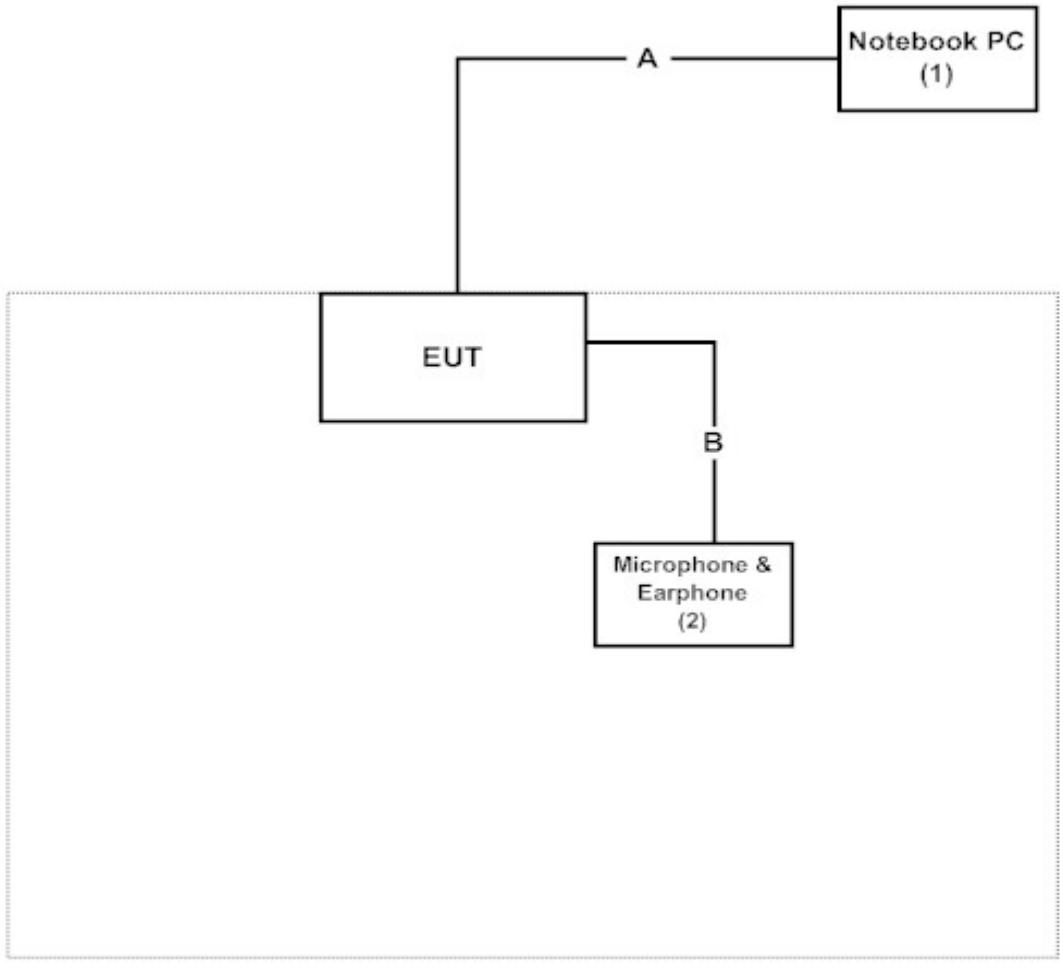
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Test Mode		Mode 1			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	E5530	24QPXW1	Non-Shielded, 0.8m
2	Microphone & Earphone	Ergotech	E201	N/A	N/A

Test Mode		Mode 2			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	POE	N/A	N/A	N/A	N/A
2	Notebook PC	DELL	E5530	24QPXW1	Non-Shielded, 0.8m
3	Microphone & Earphone	Ergotech	E201	N/A	N/A

1.4. Configuration of Tested System

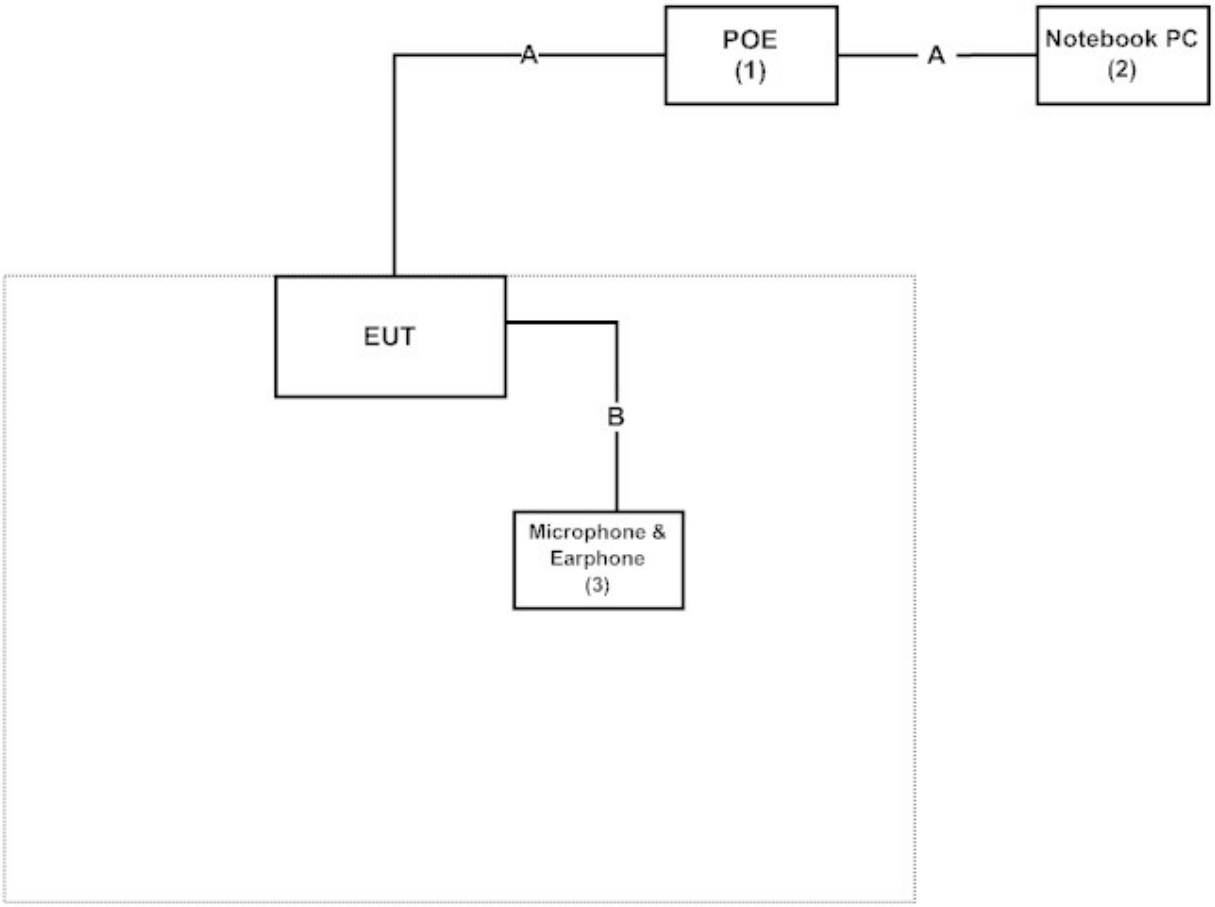
Test Mode	Mode 1
Connection Diagram	



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 6.0m
B	Microphone & Earphone Cable	Non-Shielded, 2.0m

Test Mode	Mode 2

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 6.0m, two PCS.
B	Microphone & Earphone Cable	Non-Shielded, 2.0m

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: 2015 Class B ANSI C63.4: 2014	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2015 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	2016/01/21
LISN	R&S	ESH3-Z5	836679/023	2016/07/12
Coaxial Cable	QTK(Arnist)	RG 400	LC016-RG	2016/06/23

Radiated Emission / Site1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2905	2016/06/11
EMI Test Receiver	R&S	ESCS 30	100121	2016/04/23
Coaxial Cable	QTK(Arnist)	RG 214	LC001-RG	2016/06/14
Coaxial signal switch	Arnist	MP59B	6200436229	2016/06/14
Site1 NSA	QTK	N/A	N/A	2016/06/14

Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESU26	100433	2016/09/03
Horn Antenna	SCHWARZBECK	9120D	576	2015/11/25
Pre-Amplifier	COM-POWER	PAM-118	443019	2016/07/19
CB7 VSWR	QTK	N/A	N/A	2016/06/24

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

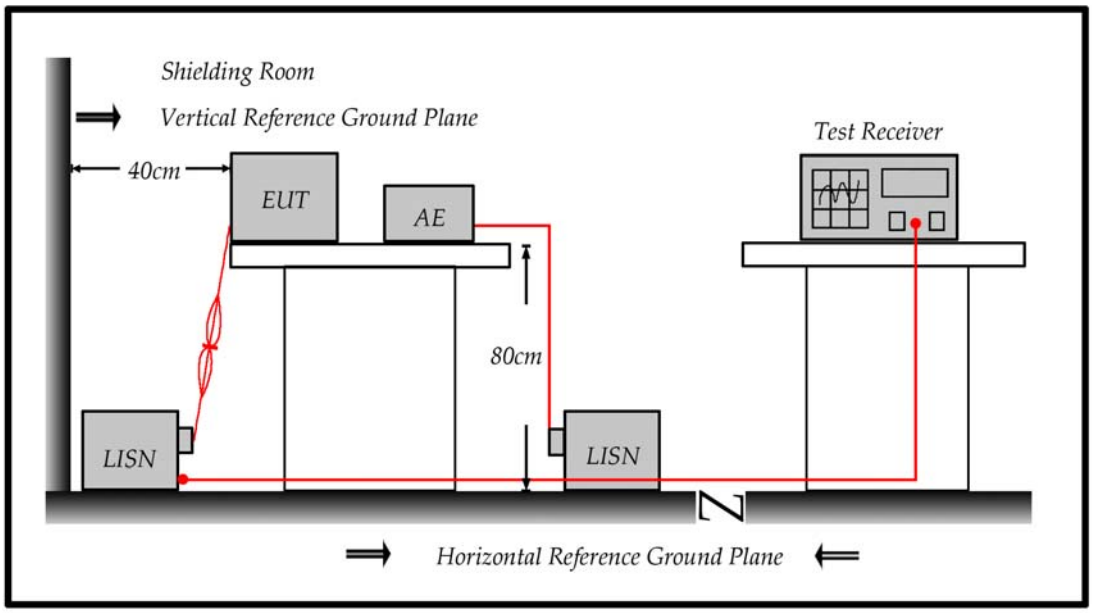
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	26.3
	Humidity (%RH)	25-75	62
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	26.3
	Humidity (%RH)	25-75	62
	Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

3.1. Test Specifications

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

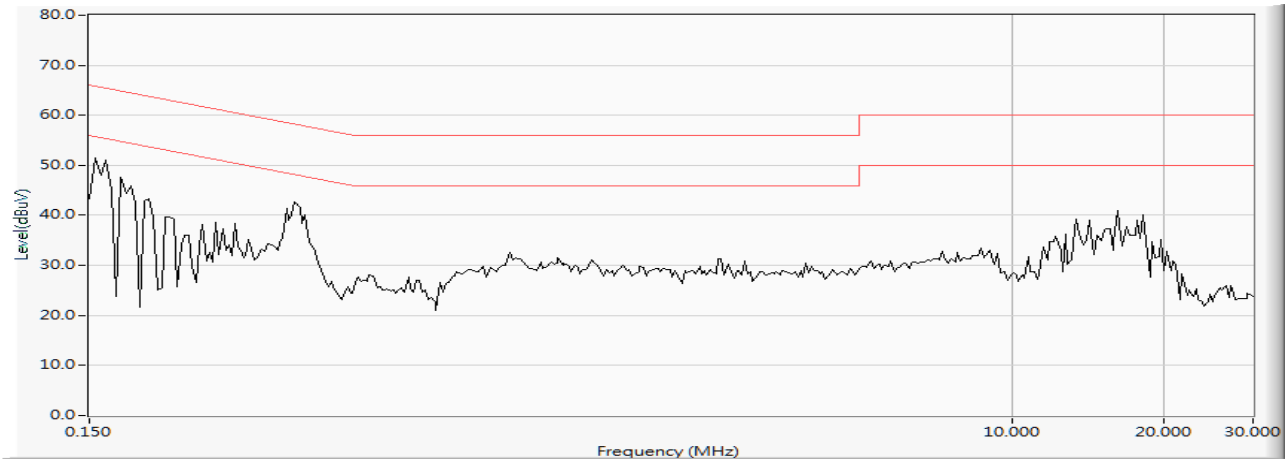
Remarks: In the above table, the tighter limit applies at the band edges.

3.4. Test Procedure

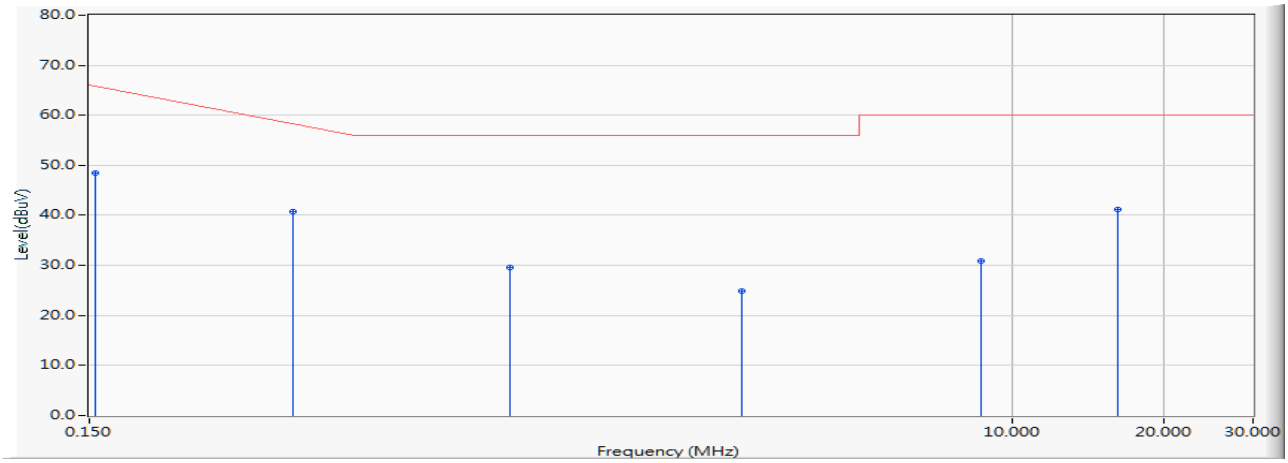
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling 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 : 2016/08/19 - 16:58**
Limit : CISPR_B_00M_QP	**Margin : 10**
EUT : Network Camera	**Probe : ENV216_L1 - Line1**
Power : AC 120V/60Hz	**Note : Mode 1**



Site : SR1	**Time : 2016/08/19 - 17:04**
Limit : CISPR_B_00M_QP	**Margin : 0**
EUT : Network Camera	**Probe : ENV216_L1 - Line1**
Power : AC 120V/60Hz	**Note : Mode 1**

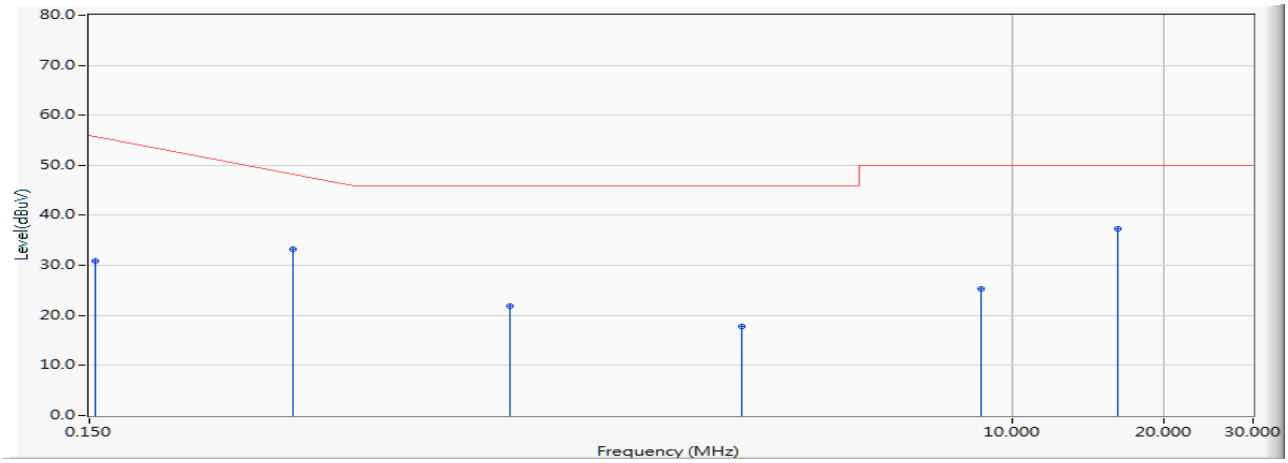


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.154	9.707	38.820	48.526	-17.360	65.886	QUASIPEAK
2		0.380	9.702	31.000	40.702	-18.727	59.429	QUASIPEAK
3		1.017	9.722	19.770	29.492	-26.508	56.000	QUASIPEAK
4		2.923	9.786	15.010	24.796	-31.204	56.000	QUASIPEAK
5		8.716	9.929	21.000	30.929	-29.071	60.000	QUASIPEAK
6		16.228	10.071	31.030	41.101	-18.899	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 : 2016/08/19 - 17:04**
Limit : CISPR_B_00M_AV	**Margin : 0**
EUT : Network Camera	**Probe : ENV216_L1 - Line1**
Power : AC 120V/60Hz	**Note : Mode 1**

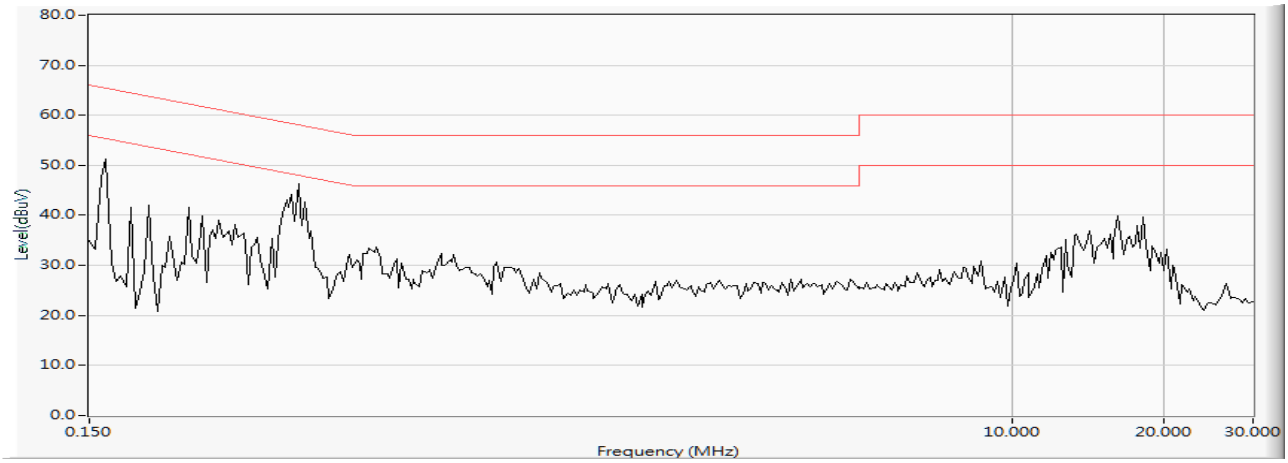


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.154	9.707	21.220	30.926	-24.960	55.886	AVERAGE
2		0.380	9.702	23.540	33.242	-16.187	49.429	AVERAGE
3		1.017	9.722	12.200	21.922	-24.078	46.000	AVERAGE
4		2.923	9.786	7.980	17.766	-28.234	46.000	AVERAGE
5		8.716	9.929	15.300	25.229	-24.771	50.000	AVERAGE
6	*	16.228	10.071	27.160	37.231	-12.769	50.000	AVERAGE

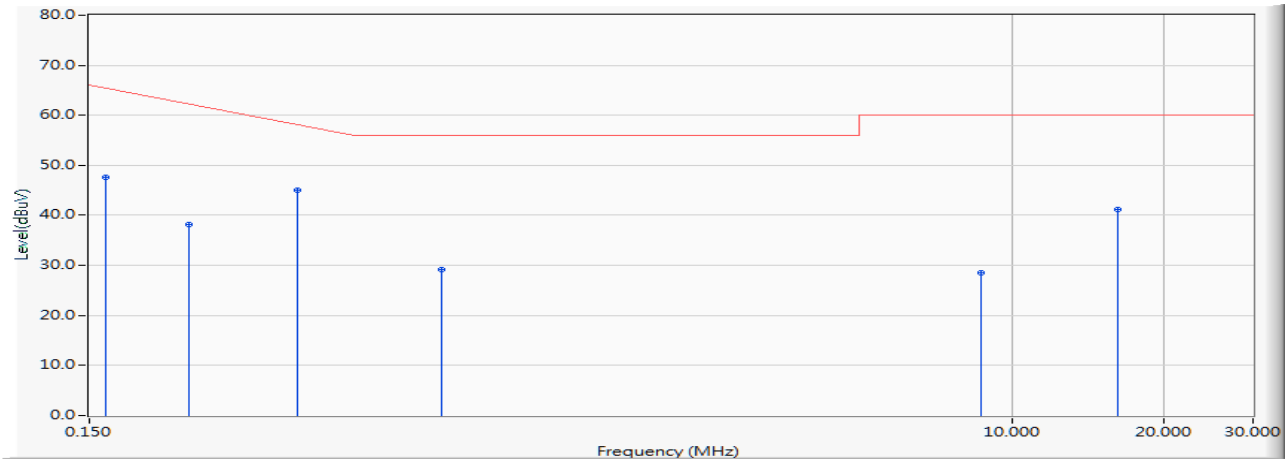
Note:

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 : 2016/08/19 - 17:04**
Limit : CISPR_B_00M_QP	**Margin : 10**
EUT : Network Camera	**Probe : ENV216_N - Line2**
Power : AC 120V/60Hz	**Note : Mode 1**



Site : SR1	**Time : 2016/08/19 - 17:06**
Limit : CISPR_B_00M_QP	**Margin : 0**
EUT : Network Camera	**Probe : ENV216_N - Line2**
Power : AC 120V/60Hz	**Note : Mode 1**

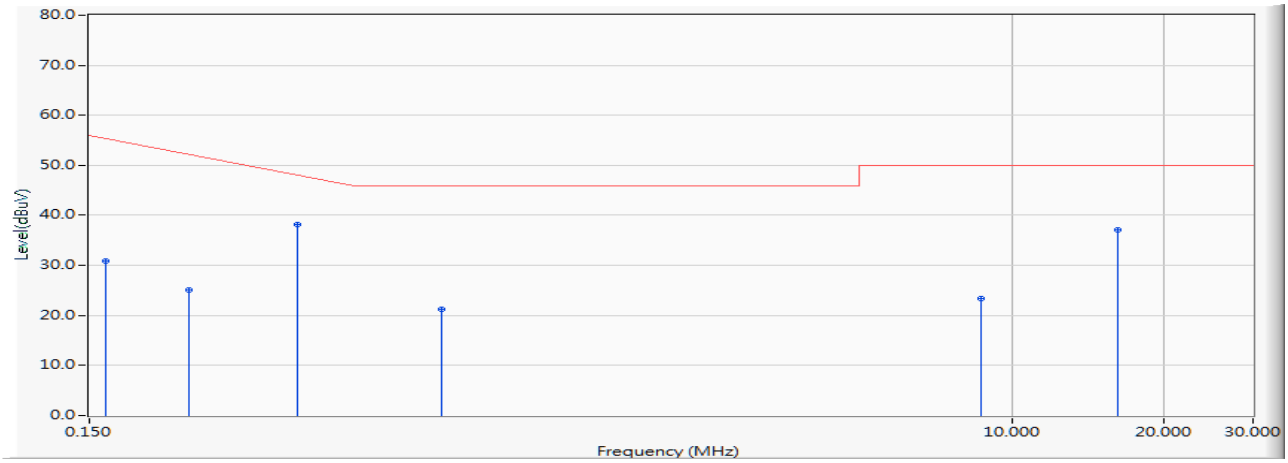


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	9.704	37.980	47.684	-17.973	65.657	QUASIPEAK
2		0.236	9.697	28.410	38.107	-25.436	63.543	QUASIPEAK
3	*	0.388	9.692	35.330	45.022	-14.178	59.200	QUASIPEAK
4		0.744	9.703	19.550	29.253	-26.747	56.000	QUASIPEAK
5		8.716	9.939	18.590	28.529	-31.471	60.000	QUASIPEAK
6		16.228	10.171	30.950	41.121	-18.879	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 : 2016/08/19 - 17:06**
Limit : CISPR_B_00M_AV	**Margin : 0**
EUT : Network Camera	**Probe : ENV216_N - Line2**
Power : AC 120V/60Hz	**Note : Mode 1**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	9.704	21.080	30.784	-24.873	55.657	AVERAGE
2		0.236	9.697	15.440	25.137	-28.406	53.543	AVERAGE
3	*	0.388	9.692	28.590	38.282	-10.918	49.200	AVERAGE
4		0.744	9.703	11.440	21.143	-24.857	46.000	AVERAGE
5		8.716	9.939	13.360	23.299	-26.701	50.000	AVERAGE
6		16.228	10.171	27.030	37.201	-12.799	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 1: FE9382-EHV, DC

Description : Front View of Conducted Test

Test Mode : Mode 1: FE9382-EHV, DC

Description : Back View of Conducted Test

Test Mode : Mode 1: FE9382-EHV, DC

Description : Back View of Conducted Test

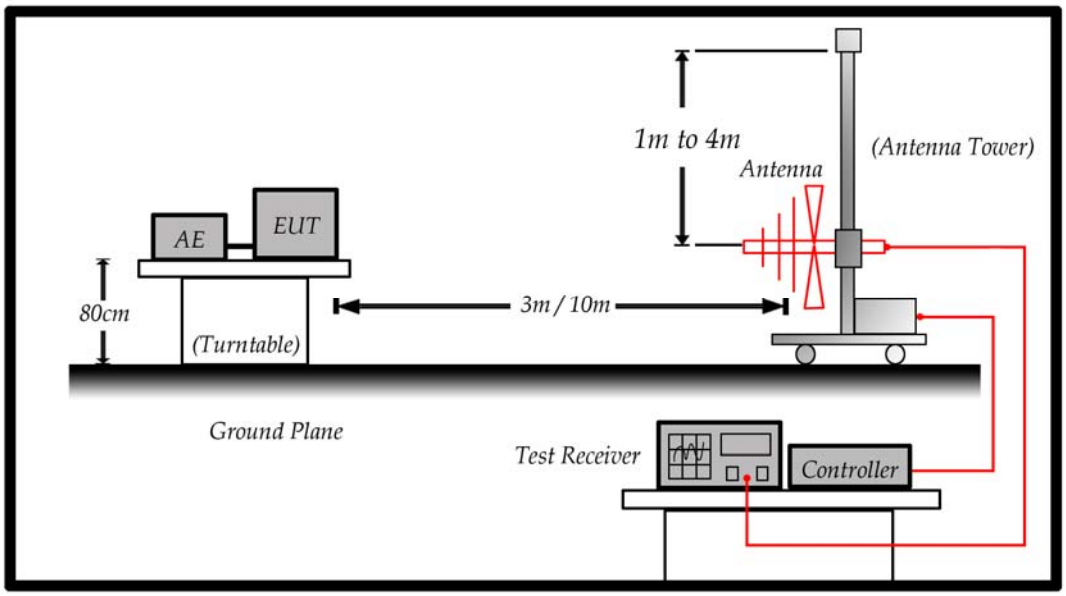
4. Radiated Emission

4.1. Test Specification

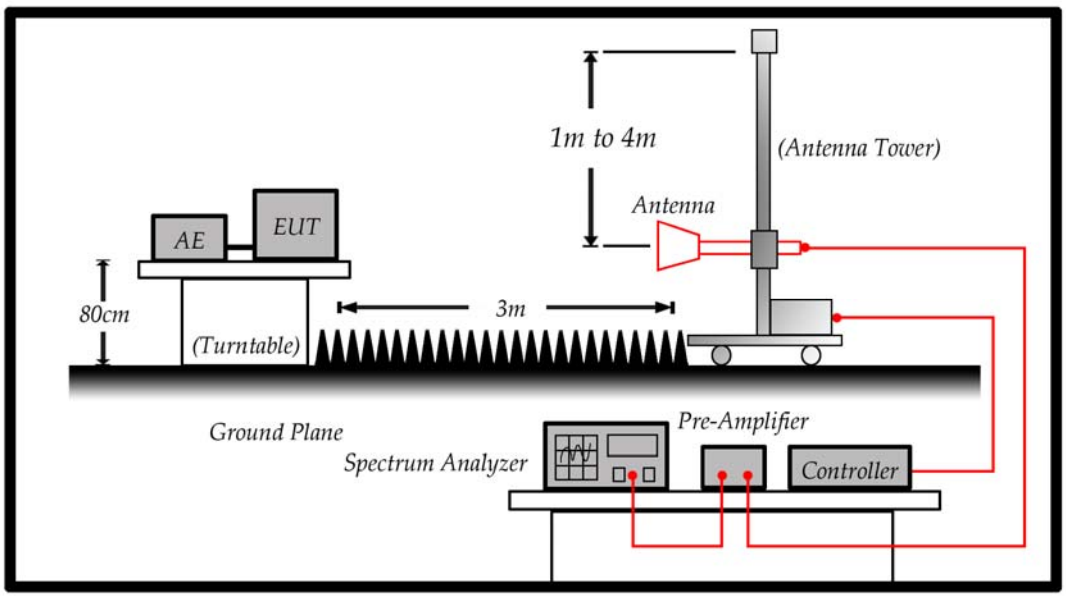
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

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.

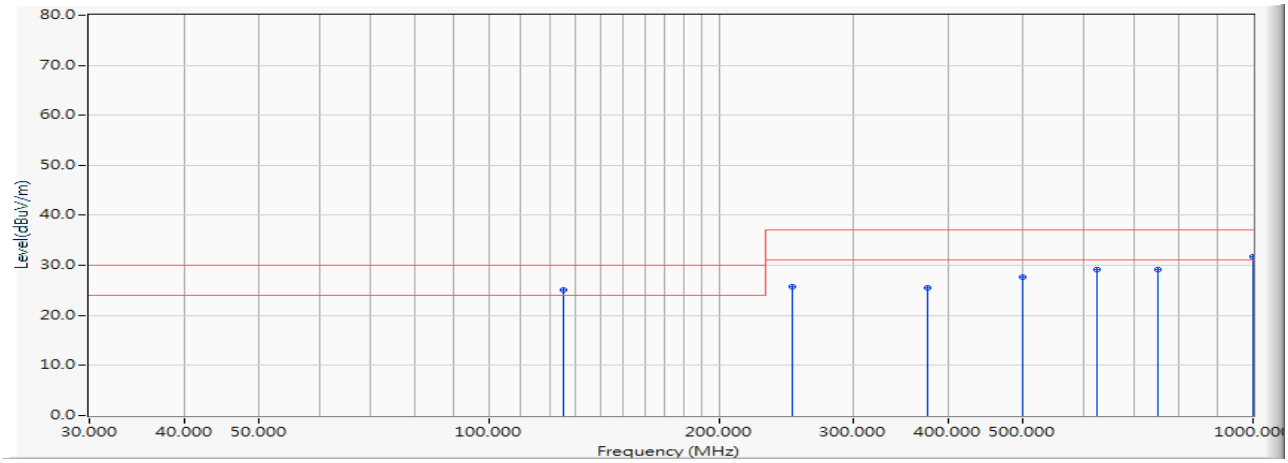
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

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 : 2016/08/18 - 04:46**
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 1**

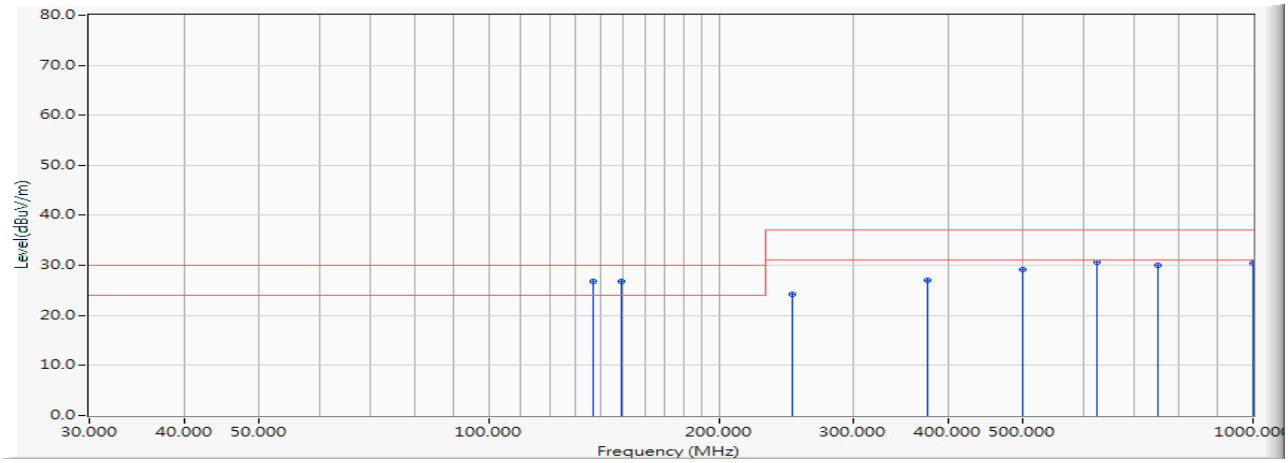


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	125.000	14.342	10.800	25.142	-4.858	30.000	QUASIPEAK
2		250.000	15.846	9.900	25.746	-11.254	37.000	QUASIPEAK
3		375.000	19.397	6.100	25.497	-11.503	37.000	QUASIPEAK
4		500.000	22.371	5.300	27.671	-9.329	37.000	QUASIPEAK
5		625.000	24.418	4.700	29.118	-7.882	37.000	QUASIPEAK
6		750.000	26.020	3.200	29.220	-7.780	37.000	QUASIPEAK
7		1000.000	29.600	2.100	31.700	-5.300	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 : 2016/08/18 - 05:06**
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 1**

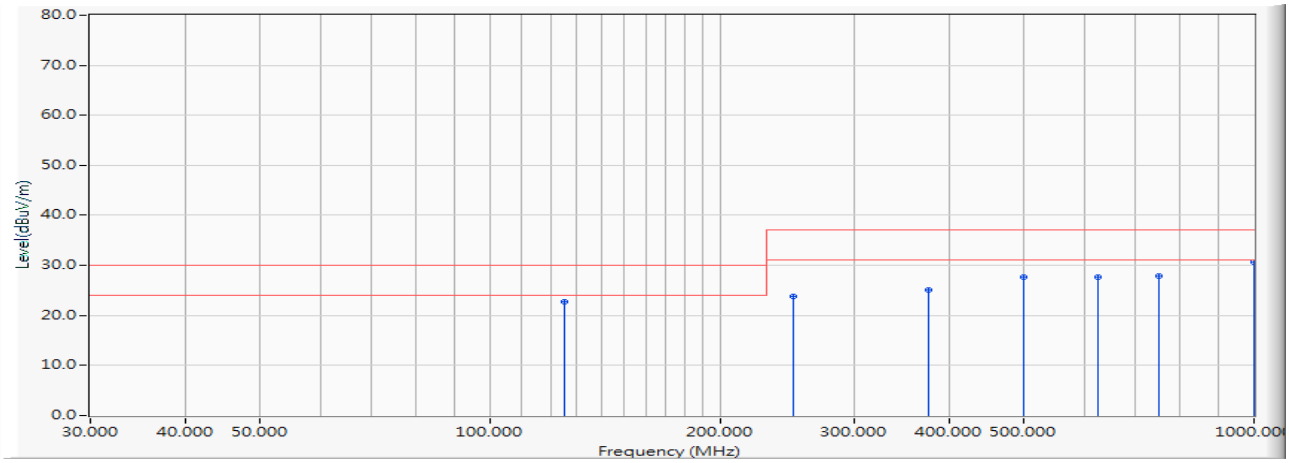


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		137.197	13.815	12.900	26.715	-3.285	30.000	QUASIPEAK
2	*	149.000	12.986	13.800	26.786	-3.214	30.000	QUASIPEAK
3		250.000	15.846	8.300	24.146	-12.854	37.000	QUASIPEAK
4		375.000	19.397	7.700	27.097	-9.903	37.000	QUASIPEAK
5		500.000	22.371	6.700	29.071	-7.929	37.000	QUASIPEAK
6		625.000	24.418	6.200	30.618	-6.382	37.000	QUASIPEAK
7		750.000	26.020	4.100	30.120	-6.880	37.000	QUASIPEAK
8		1000.000	29.600	0.900	30.500	-6.500	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 : 2016/08/18 - 05:29**
Limit : CISPR_B_10M_QP	**Margin : 6**
EUT : Network Camera	**Probe : Site1_CBL6112_10M_1506 - HORIZONTAL**
Power : PoE	**Note : Mode 2**

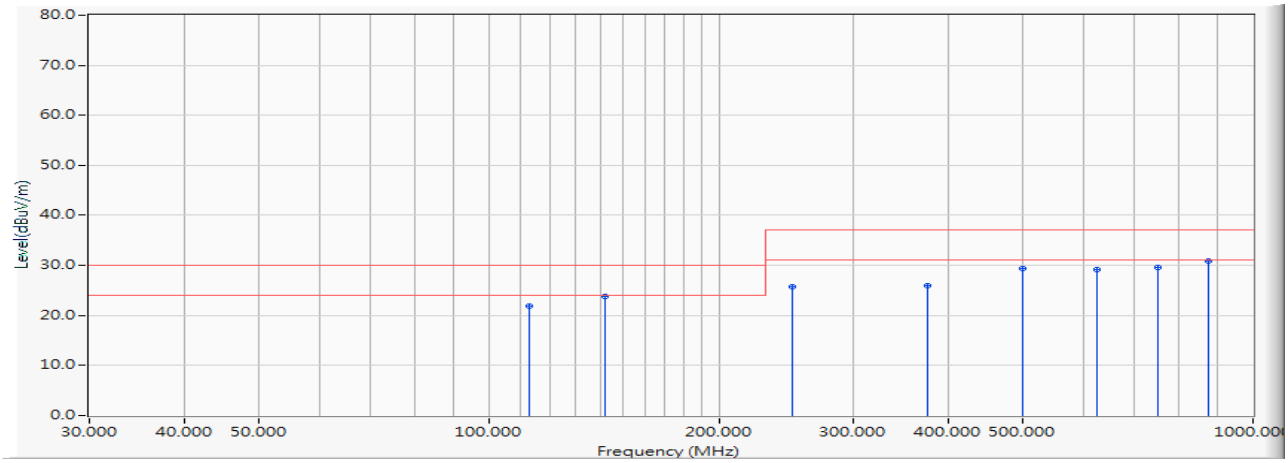


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		125.000	14.342	8.400	22.742	-7.258	30.000	QUASIPEAK
2		250.000	15.846	7.900	23.746	-13.254	37.000	QUASIPEAK
3		375.000	19.397	5.800	25.197	-11.803	37.000	QUASIPEAK
4		500.000	22.371	5.200	27.571	-9.429	37.000	QUASIPEAK
5		625.000	24.418	3.300	27.718	-9.282	37.000	QUASIPEAK
6		750.000	26.020	1.900	27.920	-9.080	37.000	QUASIPEAK
7	*	1000.000	29.600	1.100	30.700	-6.300	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 : 2016/08/18 - 05:53**
Limit : CISPR_B_10M_QP	**Margin : 6**
EUT : Network Camera	**Probe : Site1_CBL6112_10M_1506 - VERTICAL**
Power : PoE	**Note : Mode 2**

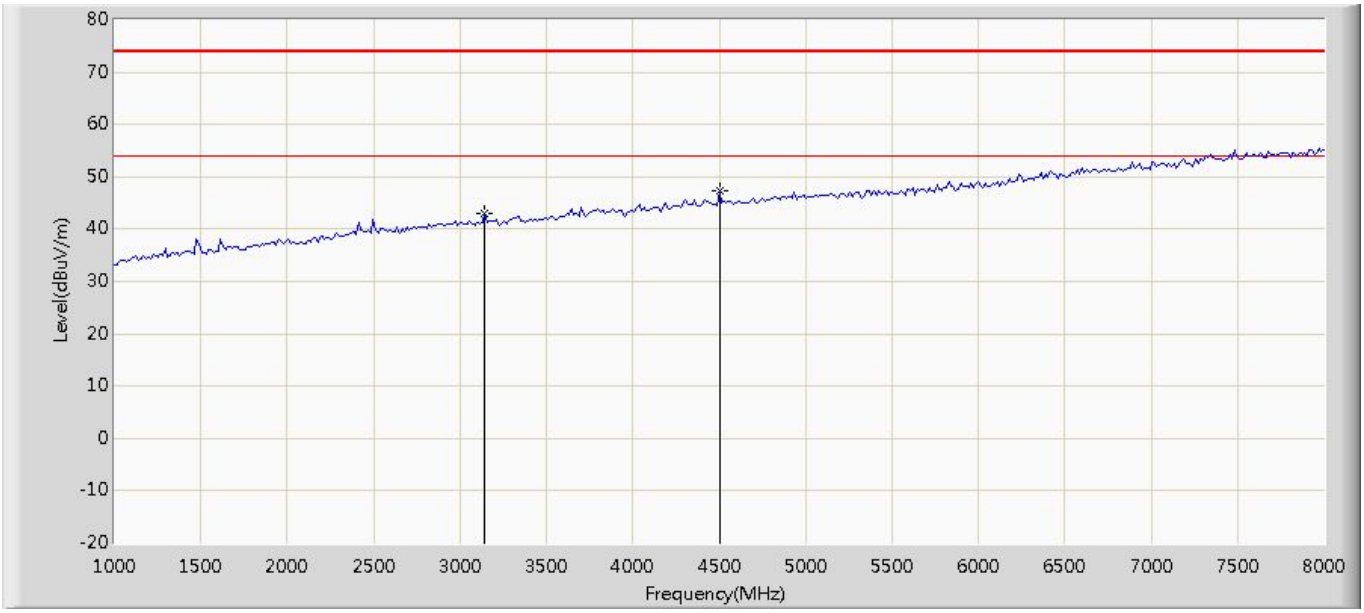


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		113.045	14.378	7.600	21.978	-8.022	30.000	QUASIPEAK
2		141.902	13.551	10.300	23.851	-6.149	30.000	QUASIPEAK
3		250.000	15.846	9.900	25.746	-11.254	37.000	QUASIPEAK
4		375.000	19.397	6.600	25.997	-11.003	37.000	QUASIPEAK
5		500.000	22.371	7.000	29.371	-7.629	37.000	QUASIPEAK
6		625.000	24.418	4.800	29.218	-7.782	37.000	QUASIPEAK
7		750.000	26.020	3.600	29.620	-7.380	37.000	QUASIPEAK
8	*	875.000	27.541	3.400	30.941	-6.059	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: 2016/08/19 - 01:31
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 1	

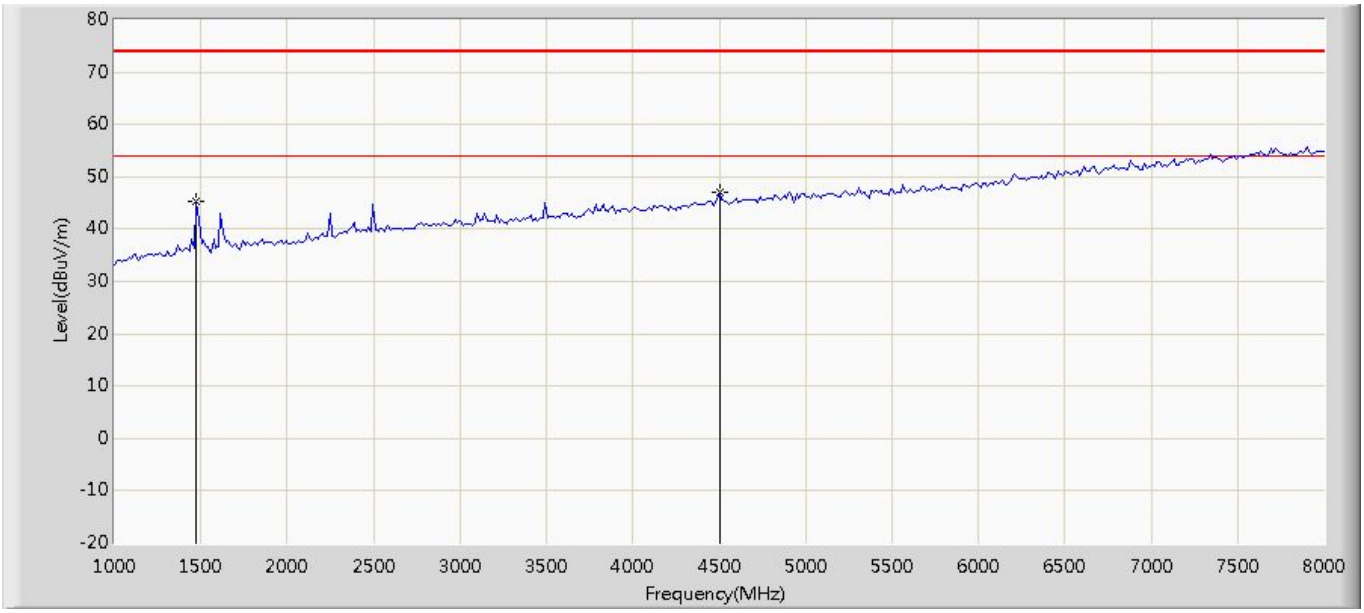


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			3142.000	43.126	34.680	-30.874	74.000	8.446	PK
2		*	4500.000	47.313	35.652	-26.687	74.000	11.660	PK

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: 2016/08/19 - 01:31
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 1	

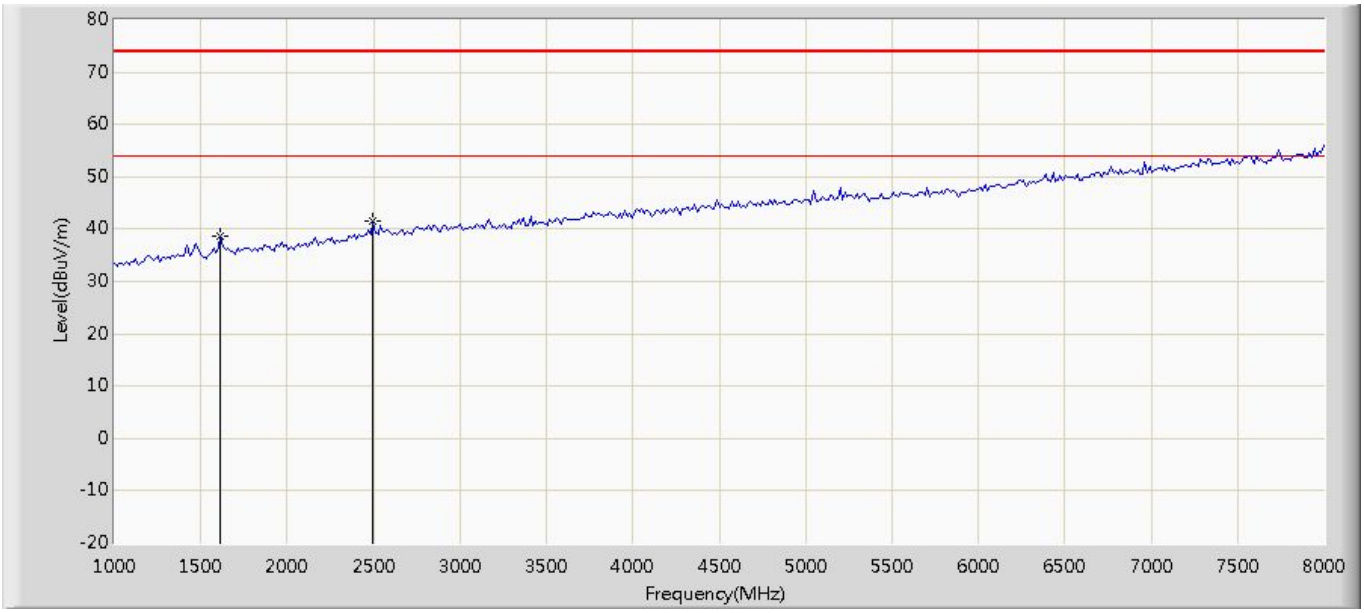


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			1476.000	45.292	42.229	-28.708	74.000	3.063	PK
2		*	4500.000	47.103	35.442	-26.897	74.000	11.660	PK

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: 2016/08/19 - 01:32
Limit: FCC_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1511	Polarity: Horizontal
EUT: Network Camera	Power: POE
Note: Mode 2	

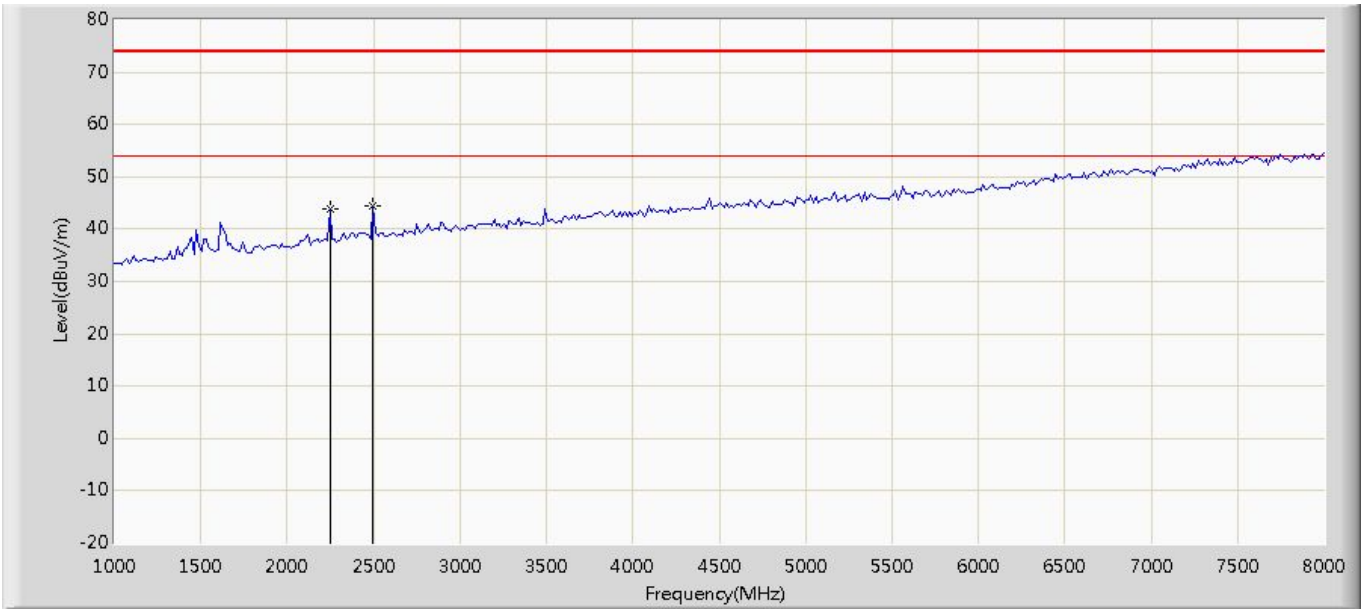


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			1616.000	38.606	35.099	-35.394	74.000	3.507	PK
2		*	2498.000	41.437	34.571	-32.563	74.000	6.867	PK

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: 2016/08/19 - 01:32
Limit: FCC_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_9120D_1511	Polarity: Vertical
EUT: Network Camera	Power: POE
Note: Mode 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2246.000	43.848	37.944	-30.152	74.000	5.904	PK
2		*	2498.000	44.561	37.695	-29.439	74.000	6.867	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: FE9382-EHV, DC

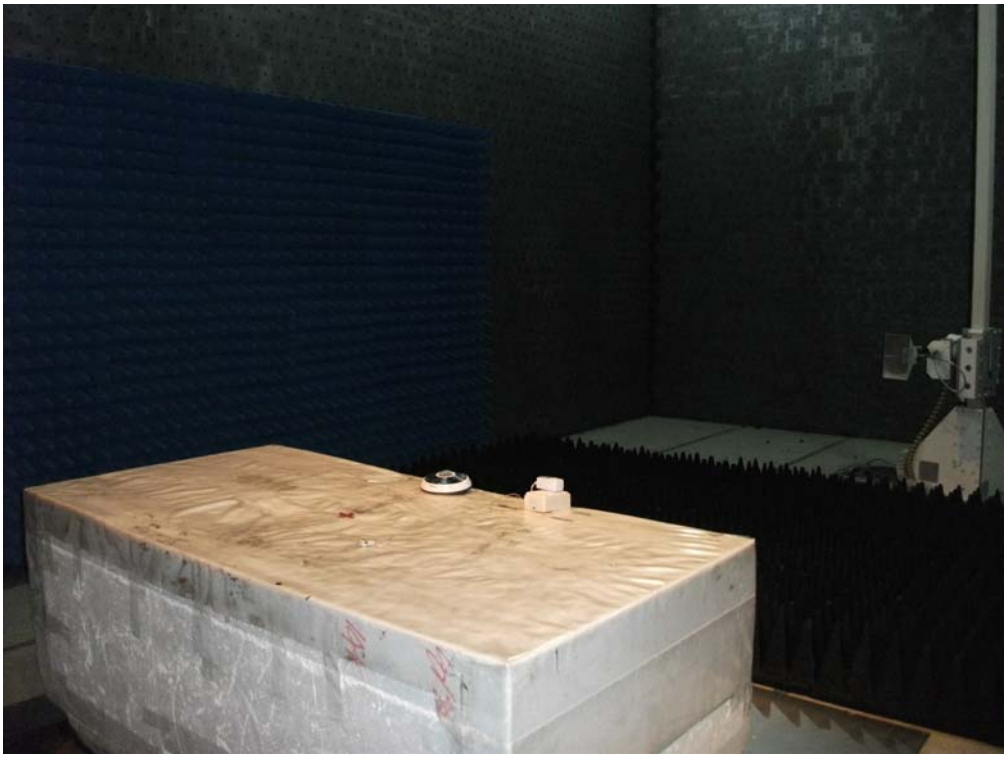
Description : Front View of Radiated Test

Test Mode : Mode 1: FE9382-EHV, DC

Description : Back View of Radiated Test

Test Mode : Mode 1: FE9382-EHV, DC

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 2: FE9382-EHV, PoE

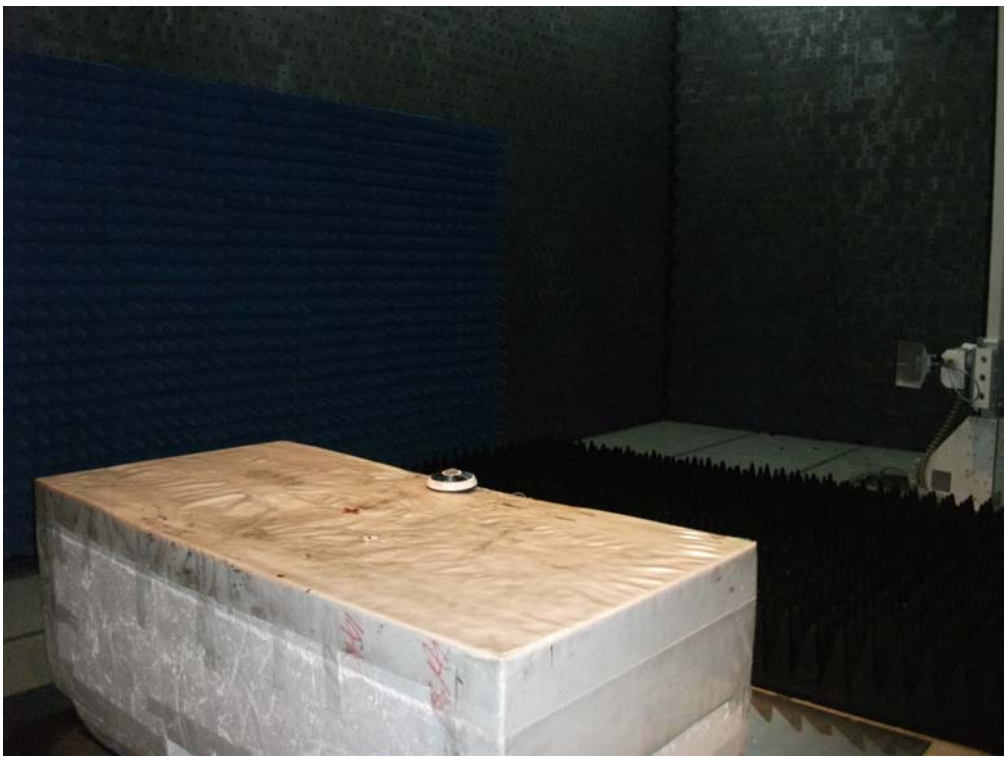
Description : Front View of Radiated Test

Test Mode : Mode 2: FE9382-EHV, PoE

Description : Back View of Radiated Test

Test Mode : Mode 2: FE9382-EHV, PoE

Description : Front View of High Frequency Radiated Test



5. Attachment

➢ EUT Photograph

(1) EUT Photo

(2) EUT Photo

(3) EUT Photo

(4) EUT Photo