

**FCC PART 15 SUBPART B**  
**MEASUREMENT AND TEST REPORT**

For

**Nexxt Solutions**

**Product description:** IP Camera  
**Model No.:** XPY310  
**Supplementary Model:** N/A  
**FCC ID:** X4Y310

**Prepared for:** Nexxt Solutions

3505 NW 107th Ave, Miami, FL., 33178, USA

**Prepared by:** Bontek Compliance Laboratory Co., Ltd

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**Report No.:** BCT12KR-2200E-1


**Issue Date:** January 19, 2013

**Test Date:** November 26, 2012~January 19, 2013

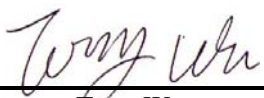
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# 1 - GENERAL INFORMATION

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## 1.1 Product Description for Equipment Under Test (EUT)

### Client Information

Applicant:	<b>Nexxt Solutions</b>
Address of applicant:	3505 NW 107th Ave, Miami, FL., 33178, USA
Manufacturer:	<b>Nexxt Solutions</b>
Address of manufacturer:	3505 NW 107th Ave, Miami, FL., 33178, USA

### General Description of E.U.T

EUT Description:	<b>IP Camera</b>
Model No.:	<b>XPY310</b>
Supplementary Model:	<b>N/A</b>
Trade Mark:	<b>NEXXT</b>
Power Supply:	Input: 5VDC 1.0A
Adapter description:	Model: RD20W120100 Input: 100-240V 1.5A max 50/60Hz Output: 12V DC 1A

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

## 1.2 Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with FCC Rules and Regulations Part 15 Subpart B 2011

The objective of the manufacturer is to demonstrate compliance with the described above standards.

### 1.3 Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart B for Emissions

Table 1 : Tests Carried Out Under FCC Part 15 Subpart B

Standard	Test Items	Status
FCC Part 15 Subpart B	Conduction Emission, 0.15MHz to 30MHz	√
FCC Part 15 Subpart B	Radiation Emission, 30MHz to 1000MHz	√

- √ Indicates that the test is applicable  
× Indicates that the test is not applicable

### 1.4 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

The maximum emission levels emanating from the device are compared to the FCC Part 15 Subpart B limits for radiation emissions and the measurement results contained in this test report show that EUT is to be technically compliant with FCC requirements.

All measurement required was performed at Shenzhen Bontek Compliance Testing Laboratory Co., Ltd at 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China

## **1.5 Test Facility**

The test facility is recognized, certified, or accredited by the following organizations:

### **FCC – Registration No.: 338263**

Shenzhen Bontek Compliance Testing Laboratory Co., Ltd., EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 338263, March, 2011.

### **IC Registration No.: 7631A**

The 3m alternate test site of Shenzhen Bontek Compliance Testing Laboratory Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 7631A on January 2011.

The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2003.

### **CNAS - Registration No.: L3923**

Shenzhen Bontek Compliance Testing Laboratory Co., Ltd. to ISO/IEC 17025:25 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.The acceptance letter from the CNAS is maintained in our files: Registration: L3923, March, 2012.

### **TUV - Registration No.: UA 50242657-0001**

Shenzhen Bontek Compliance Testing Laboratory Co.,Ltd. An assessment of the laboratory was conducted according to the"Procedures and Conditions for EMC Test Laboratories"with reference to EN ISO/IEC 17025 by a TUV Rheinland auditor. Audit Report NO.17010783-003

## 1.6 Test Equipment List and Details

Test equipments list of Shenzhen Bontek Compliance Testing Laboratory Co., Ltd .

No.	Instrument no.	Equipment	Manufacturer	Model No.	S/N	Last Calculator	Due Calculator
1	BCT-EMC001	EMI Test Receiver	R&S	ESCI	100687	2012-4-17	2013-4-16
2	BCT-EMC002	EMI Test Receiver	R&S	ESPI	100097	2012-11-1	2013-10-31
3	BCT-EMC003	Amplifier	HP	8447D	1937A02492	2012-4-20	2013-4-19
4	BCT-EMC004	Single Power Conductor Module	R&S	NNBM 8124	242	2012-4-20	2013-4-19
5	BCT-EMC005	Single Power Conductor Module	R&S	NNBM 8124	243	2012-4-20	2013-4-19
6	BCT-EMC006	Power Clamp	SCHWARZBECK	MDS-21	3812	2012-11-5	2013-11-4
7	BCT-EMC007	Positioning Controller	C&C	CC-C-1F	MF7802113	N/A	N/A
8	BCT-EMC008	Electrostatic Discharge Simulator	TESEQ	NSG437	125	2012-11-2	2013-11-1
9	BCT-EMC009	Fast Transient Burst Generator	SCHAFFNER	MODULA6150	34572	2012-4-17	2013-4-16
10	BCT-EMC010	Fast Transient Noise Simulator	Noiseken	FNS-105AX	10501	2012-6-26	2013-6-25
11	BCT-EMC011	Color TV Pattern Generator	PHILIPS	PM5418	TM209947	N/A	N/A
12	BCT-EMC012	Power Frequency Magnetic Field Generator	EVERFINE	EMS61000-8K	608002	2012-4-17	2013-4-16
14	BCT-EMC014	Capacitive Coupling Clamp	TESEQ	CDN8014	25096	2012-4-17	2013-4-16
15	BCT-EMC015	High Field Biconical Antenna	ELECTRO-METRICS	EM-6913	166	2011-11-28	2013-11-27
16	BCT-EMC016	Log Periodic Antenna	ELECTRO-METRICS	EM-6950	811	2011-11-28	2013-11-27
17	BCT-EMC017	Remote Active Vertical Antenna	ELECTRO-METRICS	EM-6892	304	2011-11-28	2013-11-27
18	BCT-EMC018	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2012-5-19	2014-5-18
19	BCT-EMC019	Horn Antenna	SCHWARZBECK	BBHA9120A	0499	2011-11-28	2013-11-27
20	BCT-EMC020	Teo Line Single Phase Module	SCHWARZBECK	NSLK8128	8128247	2012-11-1	2013-10-31
21	BCT-EMC021	Triple-Loop Antenna	EVERFINE	LLA-2	711002	2012-11-15	2013-11-14
22	BCT-EMC022	Electric bridge	Jhai	JK2812C	803024	N/A	N/A
23	BCT-EMC026	RF POWER AMPLIFIER	FRANKONIA	FLL-75	1020A1109	2012-4-17	2013-4-16
24	BCT-EMC027	CDN	FRANKONIA	CDN M2+M3	A3027019	2012-4-17	2013-4-16

25	BCT-EMC029	6DB Attenuator	FRANKONIA	N/A	1001698	2012-4-17	2013-4-16
26	BCT-EMC030	EM Injection clamp	FCC	F-203I-23mm	091536	2012-4-17	2013-4-16
27	BCT-EMC031	9kHz-2.4GHz signal generator 2024	MARCONI	10S/6625-99-457-8730	112260/042	2012-4-17	2013-4-16
28	BCT-EMC032	10dB attenuator	ELECTRO-METRICS	EM-7600	836	2012-4-17	2013-4-16
29	BCT-EMC033	ISN	TESEQ	ISN-T800	30301	2012-11-15	2013-11-14
30	BCT-EMC034	10KV surge generator	SANKI	SKS-0510M	048110003E321	2012-11-01	2013-10-31
31	BCT-EMC035	HRMONICS&FLICKRE ANALYSER	VOLTECH	PM6000	200006700433	2012-11-20	2013-11-19
32	BCT-EMC036	Spectrum Analyzer	R&S	FSP	100397	2012-11-1	2013-10-31
33	BCT-EMC037	Broadband preamplifier	SCHWARZBECK	BBV9718	9718-182	2012-4-20	2013-4-19

## 2 - SYSTEM TEST CONFIGURATION

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### 2.1 Justification

The system was configured for testing in a typical fashion (as only used by a typical user).

### 2.2 EUT Exercise Software

The EUT exercising program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The software offered by manufacture, can let the EUT being ON operation.

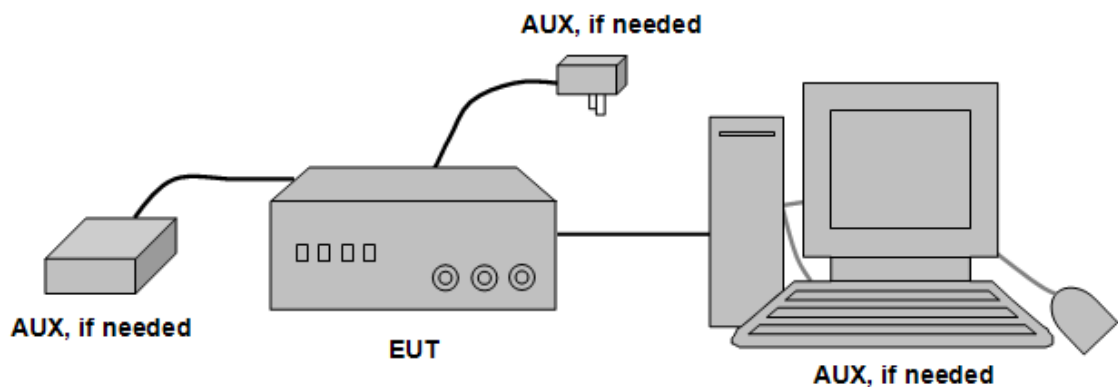
### 2.3 Special Accessories

As shown in section 2.5, interface cable used for compliance testing is shielded as normally supplied by **Nexxt Solutions** and its respective support equipment manufacturers.

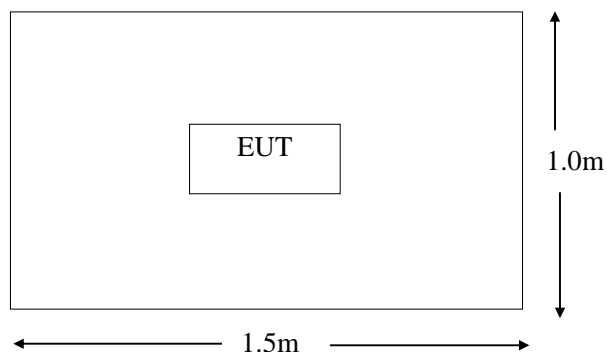
### 2.4 Equipment Modifications

The EUT tested was not modified by BCT.

### 2.5 Configuration of Test System



### 2.6 Test Setup Diagram





### 3 - DISTURBANCE VOLTAGE AT THE MAINS TERMINALS

#### 3.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is 3.4 dB.

#### 3.2 Limit of Disturbance Voltage at The Mains Terminals

Frequency Range (MHz)	Limits ( dBuV)	
	Quasi-Peak	Average
0.150~0.500	66~56	56~46
0.500~5.000	56	46
5.000~30.00	60	50

Note: (1)The tighter limit shall apply at the edge between two frequency bands.

#### 3.3 EUT Setup

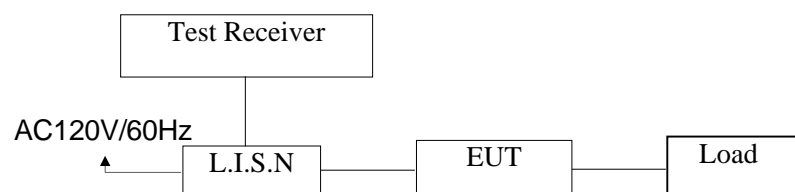
The setup of EUT is according with ANSI C63.4-2009 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B limits.

The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.



#### 3.4 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range.....150 KHz to 30 MHz  
Detector.....Peak & Quasi-Peak & Average  
Sweep Speed.....Auto  
IF Band Width.....9 KHz

### 3.5 Test Procedure

During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB  $\mu$  V of specification limits). Quasi-peak readings are distinguished with a "**QP**". Average readings are distinguished with a "**AV**".

### 3.6 Summary of Test Results

According to the data in section 3.6, the EUT complied with the FCC Part 15 B Conducted margin, with the *worst* margin reading of:

### 3.7 Disturbance Voltage Test Data

Temperature ( °C )	22~25
Humidity ( %RH )	50~55
Barometric Pressure ( mbar )	950~1000
EUT	IP Camera
M/N	XPY310
Operating Mode	Connect to PC/On

Test data see following pages

**Remark:** (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.  
(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

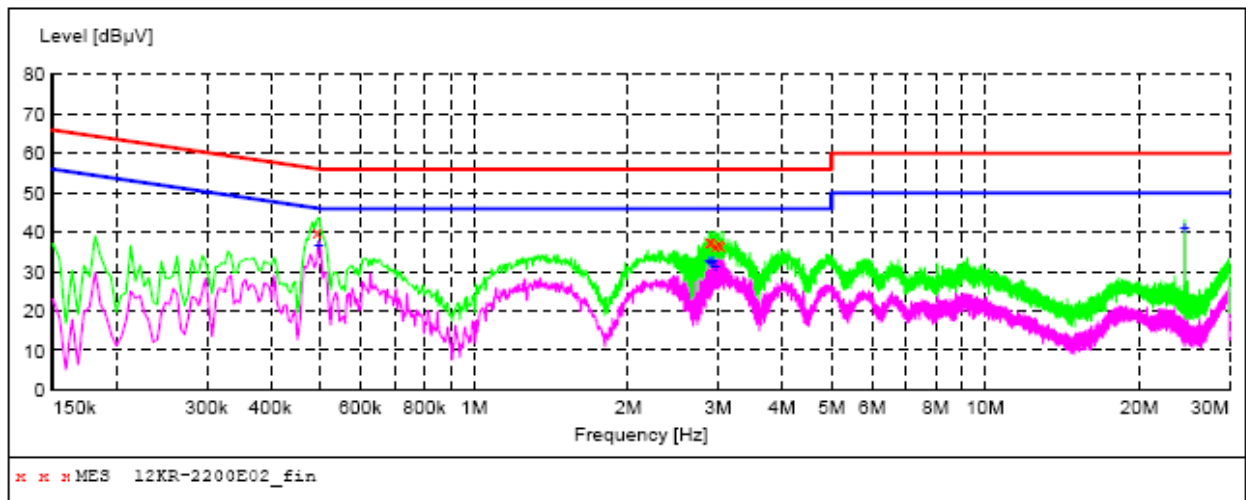
### 3.8 Test Result

**PASS**

## Conducted Emission:

EUT: IP Camera  
M/N: XPY310  
Operating Condition: Connect to PC  
Test Site: Shielded Room  
Operator: Yang  
Test Specification: AC 120V/60Hz for adapter  
Comment: L Line

**SCAN TABLE: "Voltage (9K-30M) FIN"**  
Short Description: 150K-30M Voltage



## MEASUREMENT RESULT: "12KR-2200E02\_fin"

1/13/2013

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.492000	40.10	10.3	56	16.0	QP	L1	GND
2.881500	37.70	10.2	56	18.3	QP	L1	GND
2.908500	37.80	10.2	56	18.2	QP	L1	GND
2.962500	36.80	10.2	56	19.2	QP	L1	GND
3.012000	37.00	10.2	56	19.0	QP	L1	GND
3.039000	36.80	10.3	56	19.2	QP	L1	GND

## MEASUREMENT RESULT: "12KR-2200E02\_fin2"

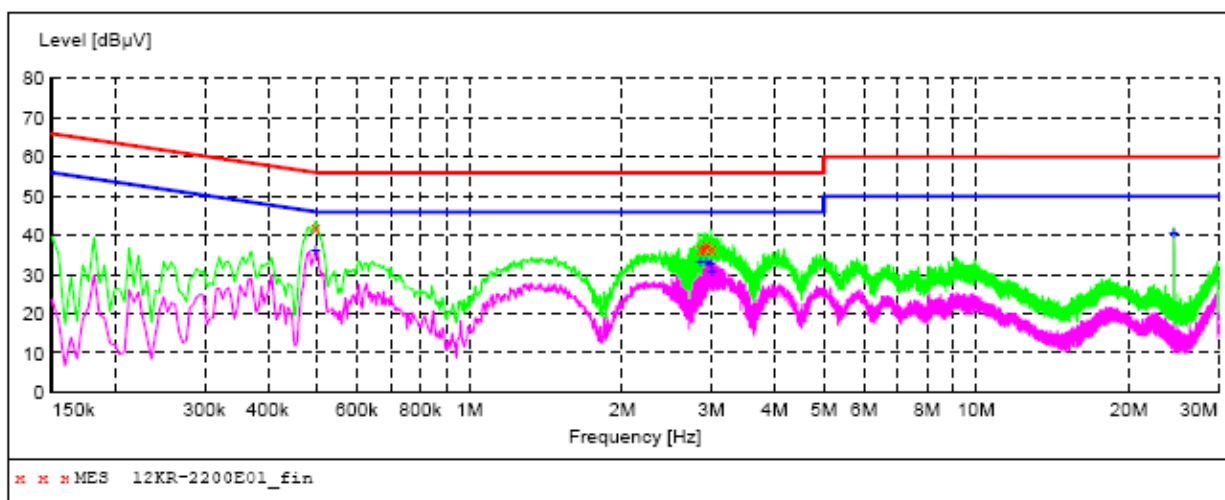
1/13/2013

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.496500	36.90	10.3	46	9.2	AV	L1	GND
2.881500	32.60	10.2	46	13.4	AV	L1	GND
2.908500	32.40	10.2	46	13.6	AV	L1	GND
2.931000	32.60	10.2	46	13.4	AV	L1	GND
2.962500	31.40	10.2	46	14.6	AV	L1	GND
24.549000	41.40	10.9	50	8.6	AV	L1	GND

## Conducted Emission:

EUT: IP Camera  
M/N: XPY310  
Operating Condition: Connect to PC  
Test Site: Shielded Room  
Operator: Yang  
Test Specification: AC 120V/60Hz for adapter  
Comment: N Line

SCAN TABLE: "Voltage (9K-30M) FIN"  
Short Description: 150K-30M Voltage



## MEASUREMENT RESULT: "12KR-2200E01\_fin"

1/13/2013

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.496500	41.90	10.3	56	14.2	QP	N	GND
2.859000	36.50	10.2	56	19.5	QP	N	GND
2.913000	36.60	10.2	56	19.4	QP	N	GND
2.935500	37.90	10.2	56	18.1	QP	N	GND
3.012000	36.70	10.2	56	19.3	QP	N	GND

## MEASUREMENT RESULT: "12KR-2200E01\_fin2"

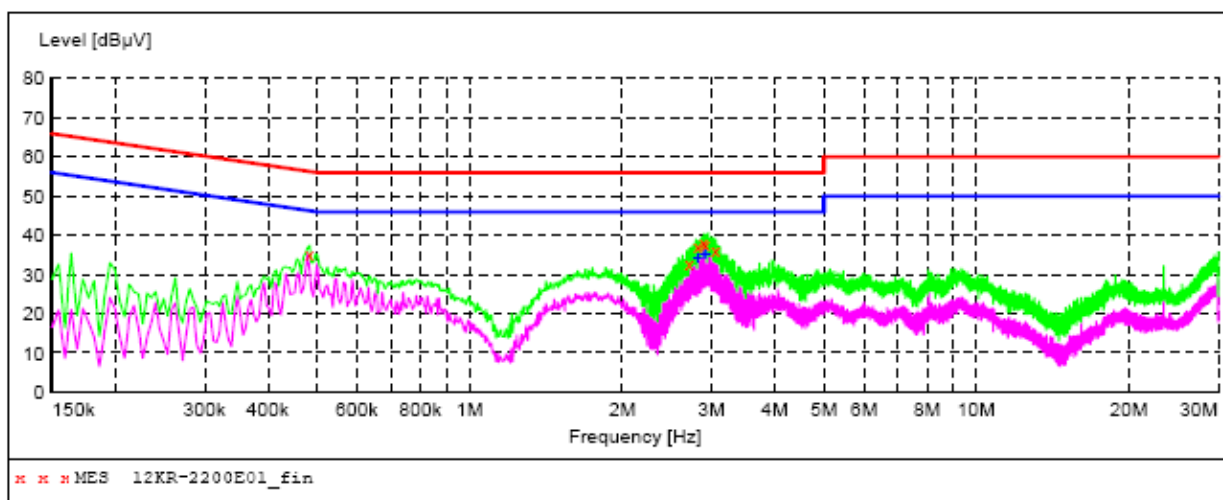
1/13/2013

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.496500	36.00	10.3	46	10.1	AV	N	GND
2.854500	33.30	10.2	46	12.7	AV	N	GND
2.935500	33.50	10.2	46	12.5	AV	N	GND
2.989500	32.80	10.2	46	13.2	AV	N	GND
3.012000	30.80	10.2	46	15.2	AV	N	GND
24.549000	40.40	10.9	50	9.6	AV	N	GND

## Conducted Emission:

EUT: IP Camera  
M/N: XPY310  
Operating Condition: On  
Test Site: Shielded Room  
Operator: Yang  
Test Specification: AC 120V/60Hz for adapter  
Comment: L Line

**SCAN TABLE: "Voltage (9K-30M)FIN"**  
Short Description: 150K-30M Voltage



## MEASUREMENT RESULT: "12KR-2200E01\_fin"

1/13/2013

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.483000	35.40	10.3	56	20.9	QP	L1	GND
2.715000	32.80	10.2	56	23.2	QP	L1	GND
2.818500	37.00	10.2	56	19.0	QP	L1	GND
2.899500	38.40	10.2	56	17.6	QP	L1	GND
2.922000	37.80	10.2	56	18.2	QP	L1	GND
3.061500	36.00	10.3	56	20.0	QP	L1	GND

## MEASUREMENT RESULT: "12KR-2200E01\_fin2"

1/13/2013

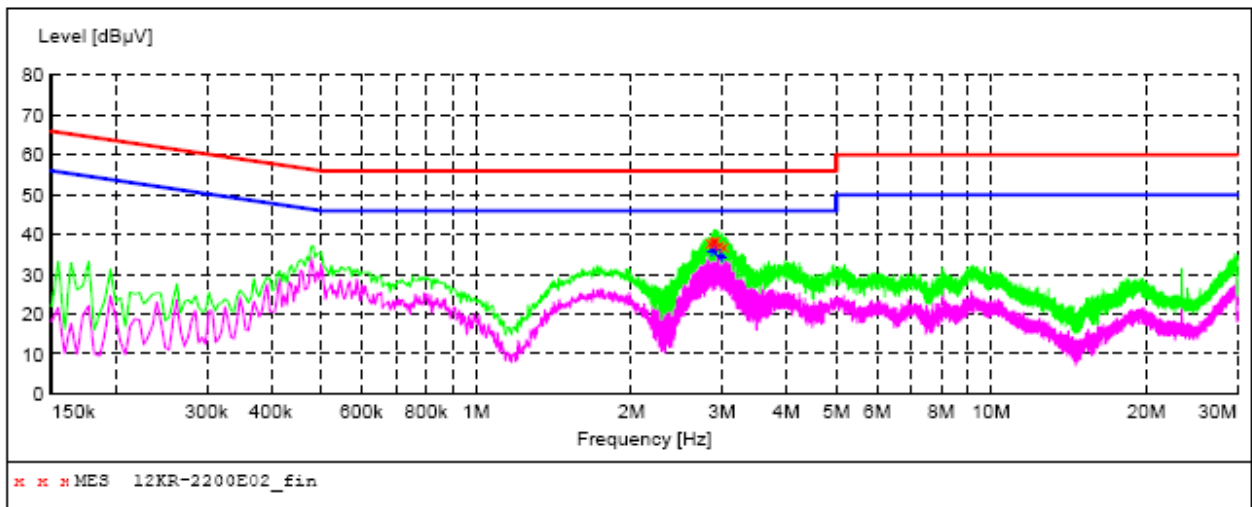
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
2.818500	34.30	10.2	46	11.7	AV	L1	GND
2.899500	35.40	10.2	46	10.6	AV	L1	GND
2.926500	35.30	10.2	46	10.7	AV	L1	GND

**Conducted Emission:**

EUT: IP Camera  
M/N: XPY310  
Operating Condition: On  
Test Site: Shielded Room  
Operator: Yang  
Test Specification: AC 120V/60Hz for adapter  
Comment: N Line

**SCAN TABLE: "Voltage (9K-30M)FIN"**

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT: "12KR-2200E02\_fin"**

1/13/2013

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
2.841000	38.10	10.2	56	17.9	QP	N	GND
2.890500	38.00	10.2	56	18.0	QP	N	GND
2.895000	38.90	10.2	56	17.1	QP	N	GND
2.922000	38.80	10.2	56	17.2	QP	N	GND
2.971500	37.70	10.2	56	18.3	QP	N	GND
3.030000	37.10	10.3	56	18.9	QP	N	GND

**MEASUREMENT RESULT: "12KR-2200E02\_fin2"**

1/13/2013

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
2.868000	35.70	10.2	46	10.3	AV	N	GND
2.895000	36.10	10.2	46	9.9	AV	N	GND
2.922000	36.00	10.2	46	10.0	AV	N	GND
2.976000	34.80	10.2	46	11.2	AV	N	GND
3.003000	34.10	10.2	46	11.9	AV	N	GND

## 4 - RADIATED DISTURBANCES

### 4.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is 4.0 dB.

### 4.2 Limit of Radiated Disturbances

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB $\mu$ V/m)
30 ~ 88	3	40
88~216	3	43.5
216 ~ 960	3	46
960 ~ 1000	3	54

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

(2) Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.

### 4.3 EUT Setup

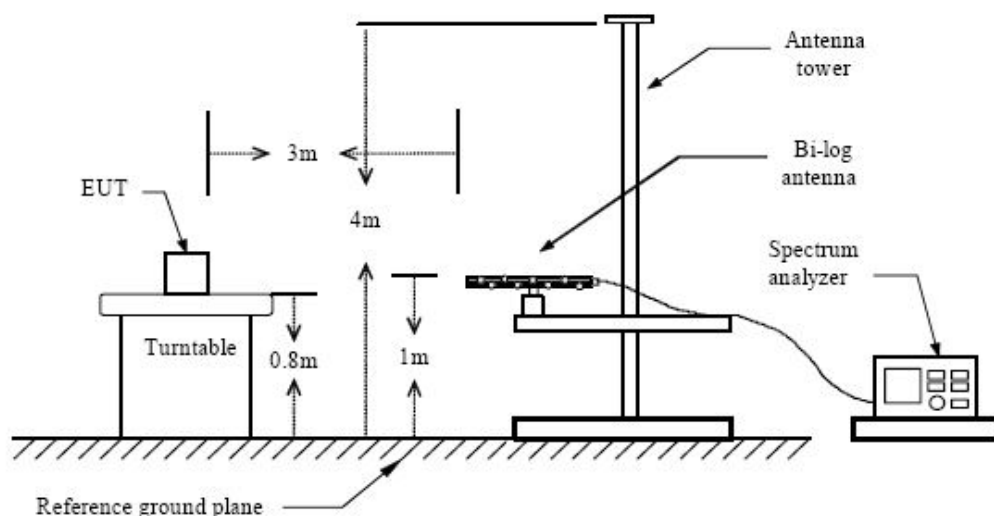
The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4-2009. The specification used was the FCC Part 15 Subpart B limits.

The EUT was placed on the center of the test table.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

Block diagram of test setup (In chamber)

**Below 1 GHz**



#### 4.4 Test Receiver Setup

According to FCC Part 15 rule, the frequency was investigated from 30 to 1000 MHz. During the radiated emission test, the test receiver was set with the following configurations:

Test Receiver Setting:

Detector.....Peak & Quasi-Peak  
IF Band Width.....120KHz  
Frequency Range.....30MHz to 1000MHz  
Turntable Rotated.....0 to 360 degrees

Antenna Position:

Height.....1m to 4m  
Polarity.....Horizontal and Vertical

#### 4.5 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within  $-10\text{ dB } \mu\text{V}$  of specification limits), and are distinguished with a "QP" in the data table.

#### 4.6 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of  $-7\text{ dB } \mu\text{V}$  means the emission is  $7\text{ dB } \mu\text{V}$  below the maximum limit for Subpart B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corr. Ampl.}$$

#### 4.7 Radiated Emissions Test Result

Temperature ( °C )	22~25
Humidity ( %RH )	50~54
Barometric Pressure ( mbar )	950~1000
EUT	IP Camera
M/N	XPY310
Operating Mode	Connect to PC/On

Test data see following pages

**Remark:** (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.  
(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

#### 4.8 Test Result

**PASS**

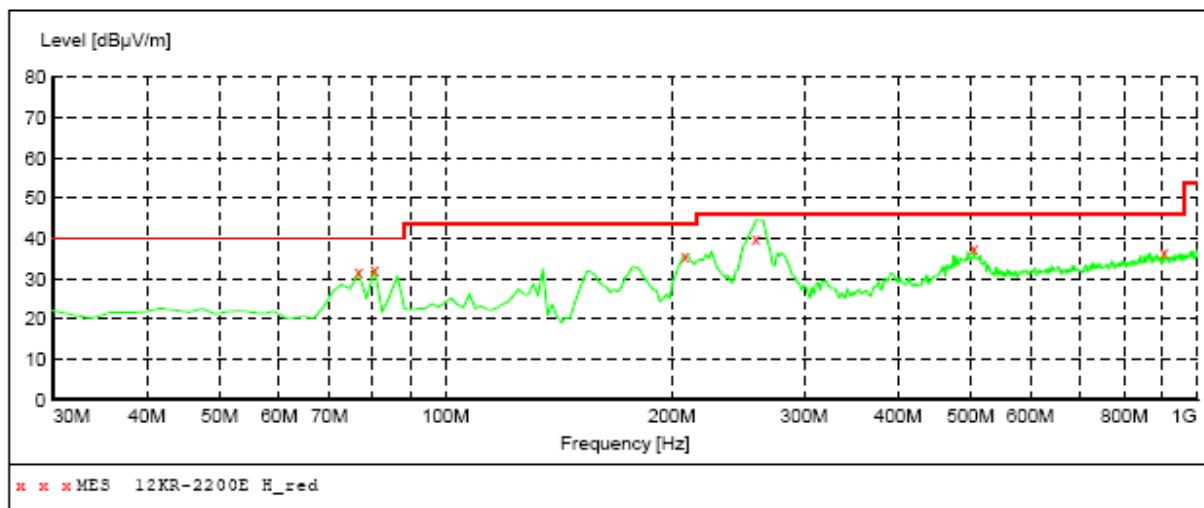


## Radiated Emission Test Data:

EUT: IP Camera  
M/N: XPY310  
Operating Condition: Connect to PC  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for adapter  
Comment: Polarization: Horizontal

### ***SWEEP TABLE: "test (30M-1G)"***

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



### ***MEASUREMENT RESULT: "12KR-2200E H\_red"***

1/13/2013

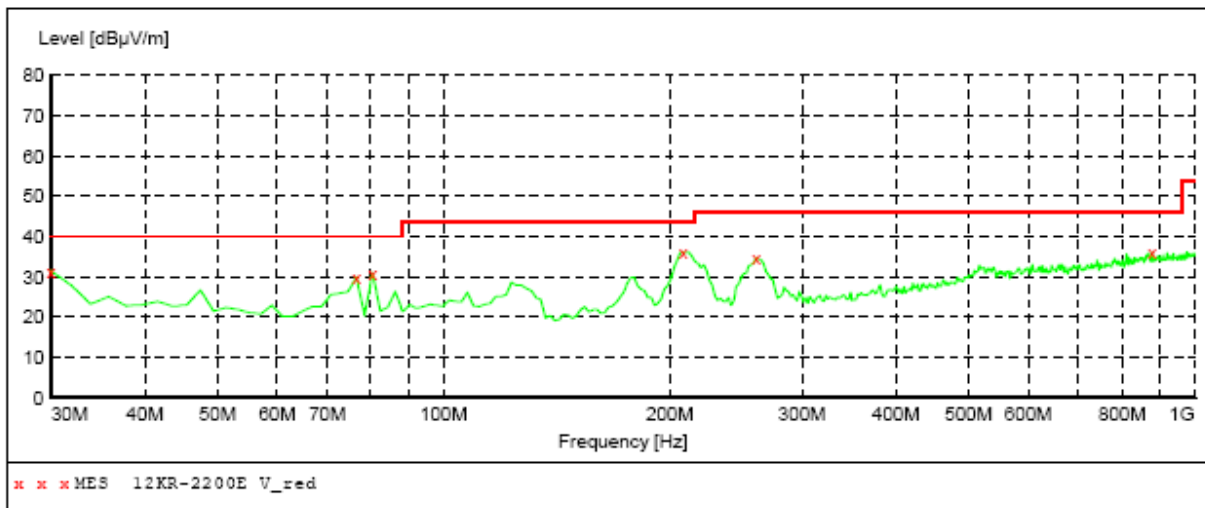
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
76.560000	31.60	12.0	40.0	8.4	QP	300.0	0.00	HORIZONTAL
80.440000	32.50	12.7	40.0	7.5	QP	300.0	0.00	HORIZONTAL
208.480000	35.90	15.1	43.5	7.6	QP	100.0	0.00	HORIZONTAL
258.920000	39.96	17.3	46.0	6.0	QP	100.0	0.00	HORIZONTAL
505.300000	37.40	24.0	46.0	8.6	QP	100.0	0.00	HORIZONTAL
904.940000	36.70	29.2	46.0	9.3	QP	300.0	0.00	HORIZONTAL

## Radiated Emission Test Data:

EUT: IP Camera  
M/N: XPY310  
Operating Condition: Connect to PC  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for adapter  
Comment: Polarization: Vertical

### ***SWEEP TABLE: "test (30M-1G)"***

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



### ***MEASUREMENT RESULT: "12KR-2200E V\_red"***

1/13/2013

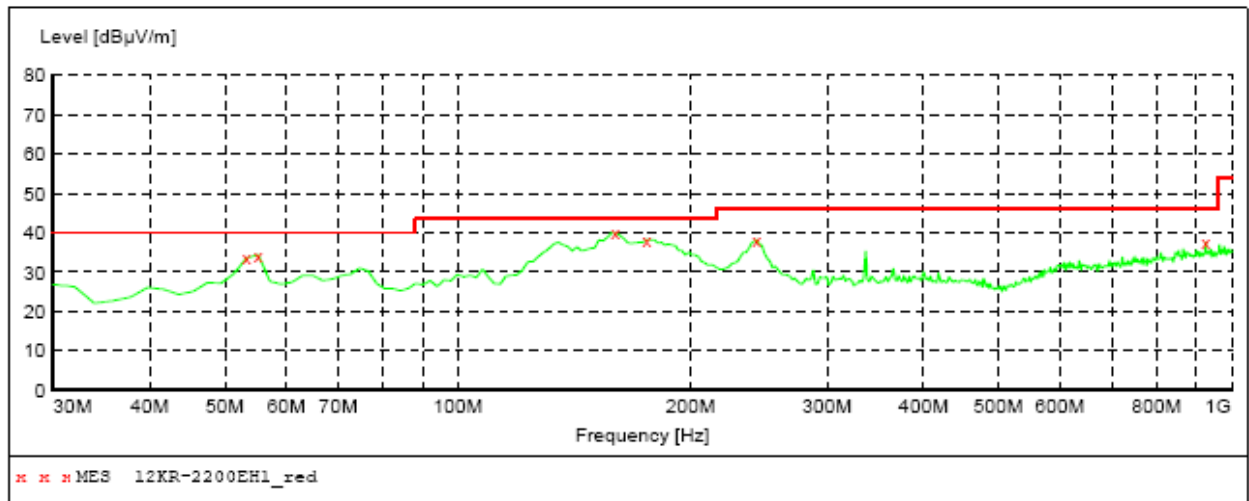
Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
30.000000	31.40	14.3	40.0	8.6	QP	100.0	0.00	VERTICAL
76.560000	29.90	12.0	40.0	10.1	QP	100.0	0.00	VERTICAL
80.440000	31.00	12.7	40.0	9.0	QP	100.0	0.00	VERTICAL
208.480000	36.20	15.1	43.5	7.3	QP	100.0	0.00	VERTICAL
260.860000	34.70	17.4	46.0	11.3	QP	100.0	0.00	VERTICAL
877.780000	36.10	28.9	46.0	9.9	QP	100.0	0.00	VERTICAL

## Radiated Emission Test Data:

EUT: IP Camera  
M/N: XPY310  
Operating Condition: On  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for adapter  
Comment: Polarization: Horizontal

### ***SWEEP TABLE: "test (30M-1G)"***

Short Description:		Field Strength				Transducer
Start	Stop	Detector	Meas. Time	IF Bandw.		
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW T	



### ***MEASUREMENT RESULT: "12KR-2200EH1\_red"***

1/13/2013

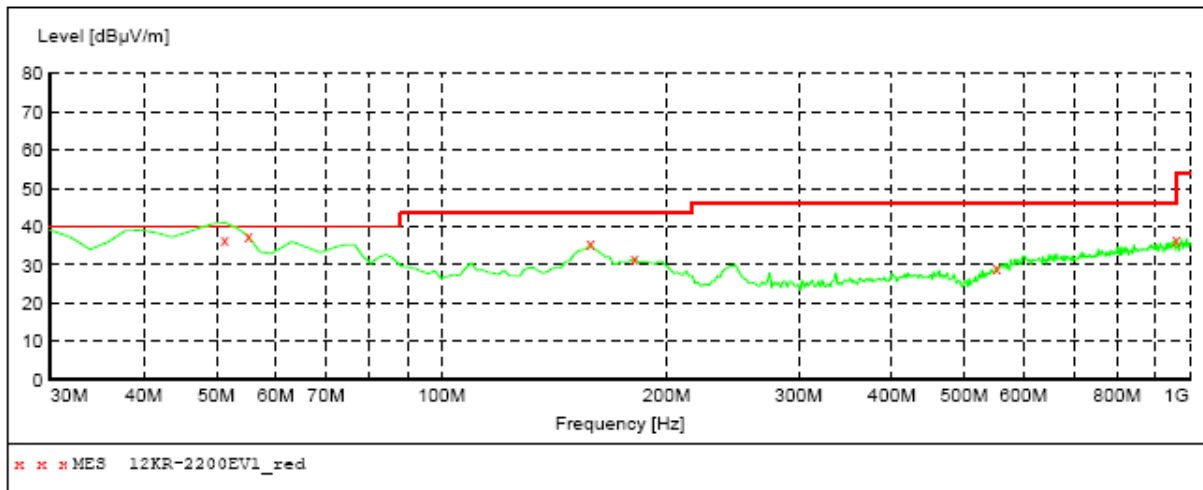
Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
53.280000	33.50	15.7	40.0	6.5	QP	100.0	0.00	HORIZONTAL
55.220000	34.40	15.6	40.0	5.6	QP	100.0	0.00	HORIZONTAL
159.980000	39.90	12.8	43.5	3.6	QP	100.0	0.00	HORIZONTAL
175.500000	38.30	13.5	43.5	5.2	QP	100.0	0.00	HORIZONTAL
243.400000	38.20	17.0	46.0	7.8	QP	100.0	0.00	HORIZONTAL
926.280000	37.60	29.4	46.0	8.4	QP	100.0	0.00	HORIZONTAL

## Radiated Emission Test Data:

EUT: IP Camera  
M/N: XPY310  
Operating Condition: On  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for adapter  
Comment: Polarization: Vertical

### ***SWEEP TABLE: "test (30M-1G)"***

Short Description:		Field Strength			
Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW T



### ***MEASUREMENT RESULT: "12KR-2200EV1\_red"***

1/13/2013

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
51.340000	36.70	15.7	40.0	3.3	QP	100.0	0.00	VERTICAL
55.220000	37.40	15.6	40.0	2.6	QP	100.0	0.00	VERTICAL
158.040000	35.50	12.7	43.5	8.0	QP	100.0	0.00	VERTICAL
181.320000	31.60	14.0	43.5	11.9	QP	100.0	0.00	VERTICAL
551.860000	29.10	23.2	46.0	16.9	QP	100.0	0.00	VERTICAL
959.260000	36.70	29.6	46.0	9.3	QP	100.0	0.00	VERTICAL