

# FCC Test Report

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

Product Name : Network Camera  
Model No. : IB9367-EHT-v2,IB9367-EHT-v2(5-50mm)

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

Date of Receipt : 2020/09/10  
Issued Date : 2020/11/23  
Report No. : 2090928R-E3012110013  
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 report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

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Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

# Test Report

Issued Date: 2020/11/23

Report No.: 2090928R-E3012110013



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. : IB9367-EHT-v2,IB9367-EHT-v2(5-50mm)

EUT Rated Voltage : PoE, DC12V, AC24V

EUT Test Voltage : AC 120 V / 60 Hz, PoE


Trade Name : VIVOTEK


Applicable Standard : FCC CFR Title 47 Part 15 Subpart B: 2019, Class A  
CISPR 22: 2008, ANSI C63.4: 2014  
ICES-003 Issue 6: 2016, Class A

Test Result : Complied

Performed Location : DEKRA Testing and Certification Co., Ltd.  
Linkou Laboratory  
No. 5-22, Ruishukeng  
Linkou District, New Taipei City, 24451, Taiwan  
TEL:+886-2-8601-3788 / FAX:+886-2-8601-3789

Documented By :   
( Senior Engineering Adm. Specialist / Anita Chou )

Reviewed By :   
( Engineer / JoJolee Jung )

Approved By :   
( Director / Vincent Lin )

## Laboratory Information

We, **DEKRA Testing and Certification Co., Ltd.**, 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</b>	<b>:</b>	<b>BSMI, NCC, TAF</b>
<b>Norway</b>	<b>:</b>	<b>DNVGL</b>
<b>USA</b>	<b>:</b>	<b>FCC</b>
<b>Japan</b>	<b>:</b>	<b>VCCI</b>

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : <http://www.dekra.com.tw>

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### **Revision History**

Report No.	Version	Description	Issued Date
2090928R-E3012110013	V1.0	Initial issue of report.	2020-11-23

## 1. General Information

### 1.1. EUT Description

Product Name	Network Camera
Trade Name	VIVOTEK
Model No.	IB9367-EHT-v2,IB9367-EHT-v2(5-50mm)
EUT Max Frequency	1.596GHz

Note:

The EUT is including two models for different marketing requirement.

## 1.2. Mode of Operation

DEKRA 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: Normal Operation, DC 12V (Adapter)	
Mode 2: Normal Operation, PoE	
Mode 3: Normal Operation, AC 24V (Adapter)	
Final Test Mode	
Emission	Mode 1: Normal Operation, DC 12V (Adapter)
	Mode 2: Normal Operation, PoE
	Mode 3: Normal Operation, AC 24V (Adapter)

### 1.3. Tested System Details

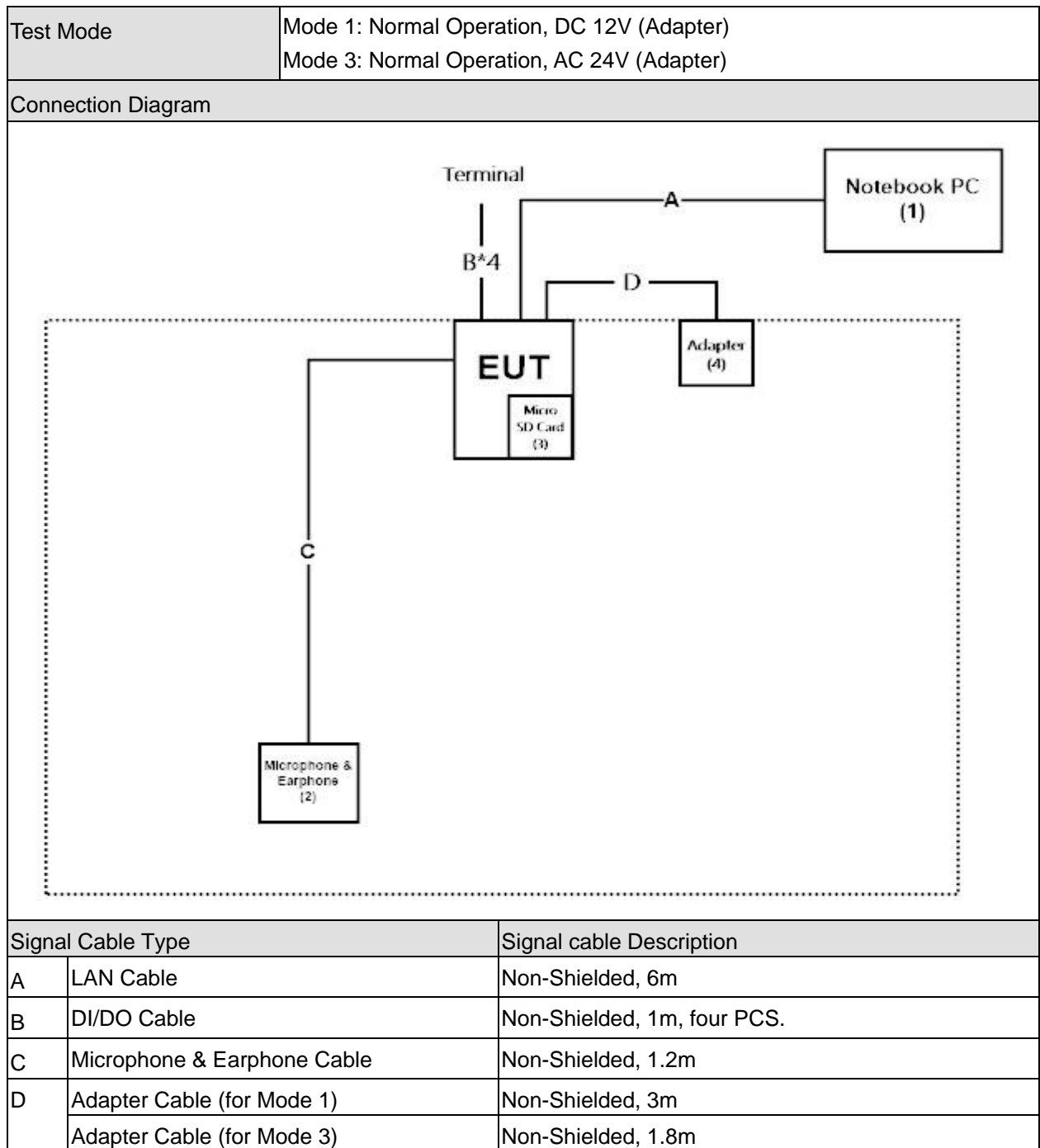
The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Test Mode		Mode 1: Normal Operation, DC 12V (Adapter) Mode 3: Normal Operation, AC 24V (Adapter)			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 0.8m
2	Microphone & Earphone	RONEVER	MOE240	N/A	N/A
3	Micro SD Card 1GB	SanDisk	N/A	0801002841D2N	N/A
4	Adapter (Mode 1)	OEM	ADS0248T-W120150	N/A	N/A
	Adapter (Mode 3)	Fonte De Alimentação	TAA66-2403500AU	N/A	N/A

Test Mode		Mode 2: Normal Operation, PoE			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 0.8m
2	PoE	EDAC	EA11011P-560	N/A	N/A
3	Microphone & Earphone	RONEVER	MOE240	N/A	N/A
4	Micro SD Card 1GB	SanDisk	N/A	0801002841D2N	N/A

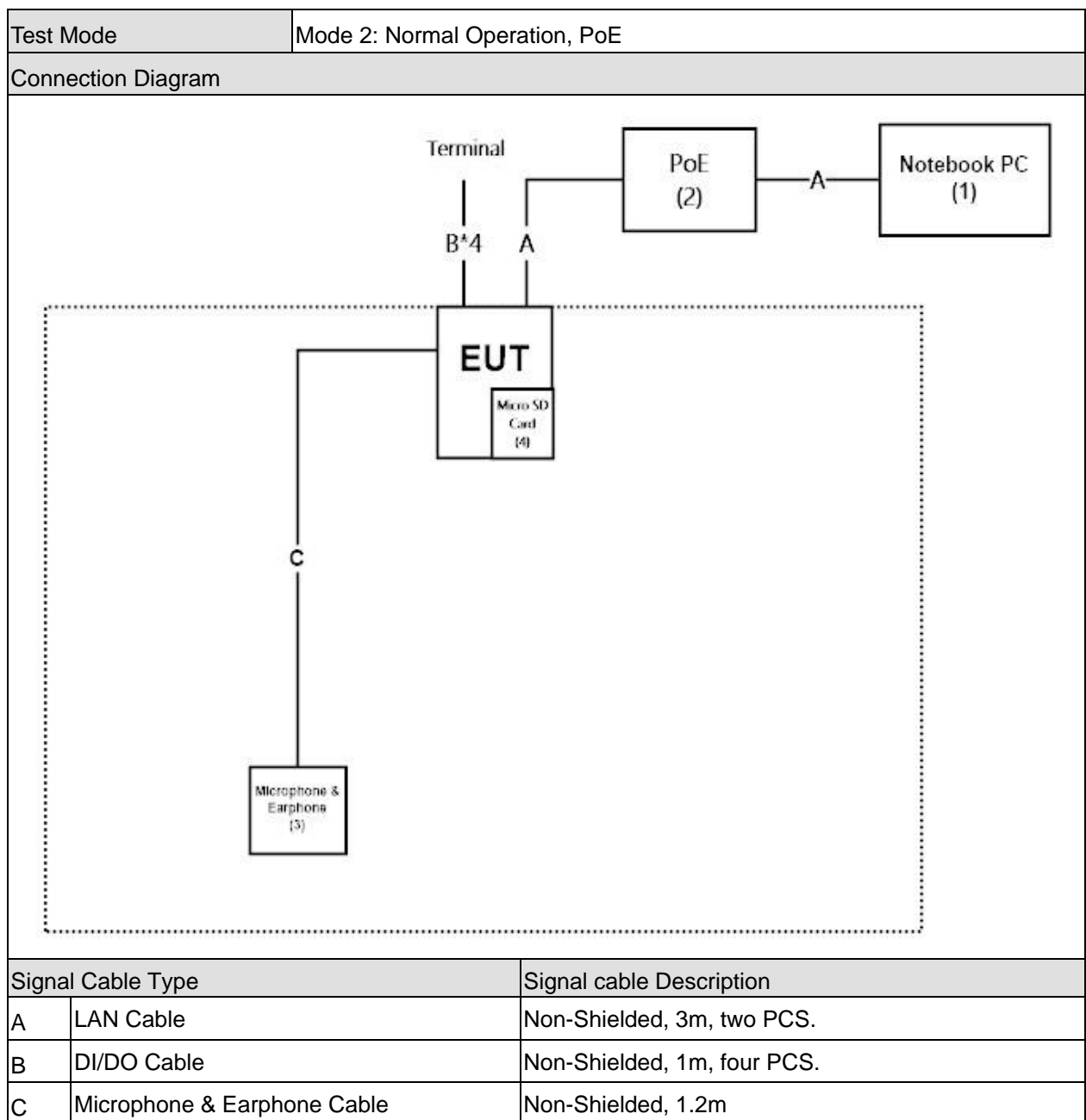


## 1.4. Configuration of Tested System



### Note:

- ☒ Use Full system setup configuration determines Worst-Case Mode.
- ☐ Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.
- ☐ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.



## Note:

- ☒ Use Full system setup configuration determines Worst-Case Mode.
- ☐ Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.
- ☐ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.

### 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	All the features of the EUT operation normally.

## 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: 2019 Class A, ANSI C63.4: 2014	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2019 Class A, ANSI C63.4: 2014	Yes	No

Note : Test Procedure ☒ANSI C63.4:2014 ☐MP-5:1986

## 2.2. List of Test Equipment

### Conducted Emission / SR1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESR3	102041	2020/05/12
LISN	R&S	ENV216	100085	2020/04/07
LISN	R&S	ESH3-Z5	836679/023	2020/04/07
Coaxial Cable	DEKRA	RG 400	LC016-RG	2020/06/19

**Note: Test Receiver Detector: Quasipeak and Average Bandwidth: 9kHz**

### Radiated Emission / Site7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2922	2020/09/14
EMI Test Receiver	R&S	ESCI	100649	2020/06/24
Coaxial Cable	DEKRA	RG 214	LC007-RG	2020/06/16
Pre-Amplifier	DEKRA	AP/0100A	CHM/1009094	2020/06/16
Site7 NSA	DEKRA	N/A	N/A	2020/06/16

**Note: Test Receiver Detector: Quasipeak Bandwidth: 120kHz**

### Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Signal Analyzer	Agilent	N9010A	MY52100213	2019/12/03
Horn Antenna	ETS-Lindgren	3117	00202723	2020/09/25
Pre-Amplifier	EMCI	EMC051845SE	980632	2020/08/21
CB7 VSWR	DEKRA	N/A	N/A	2020/06/23

## **2.3. Measurement Uncertainty**

### Conducted Emission

The measurement uncertainty is evaluated as  $\pm 3.44$  dB.

### Radiated Emission

The measurement uncertainty is evaluated as  $\pm 4.22$  dB.

### Radiated Emission Above 1GHz

The measurement uncertainty is evaluated as  $\pm 5.08$  dB.

## 2.4. Test Environment

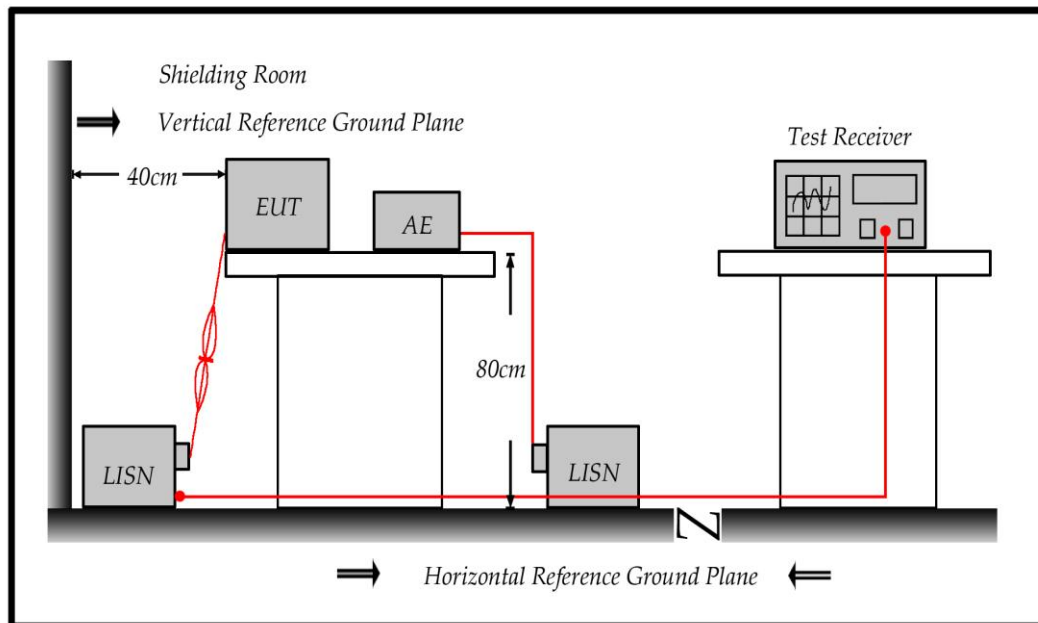
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

### 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	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**

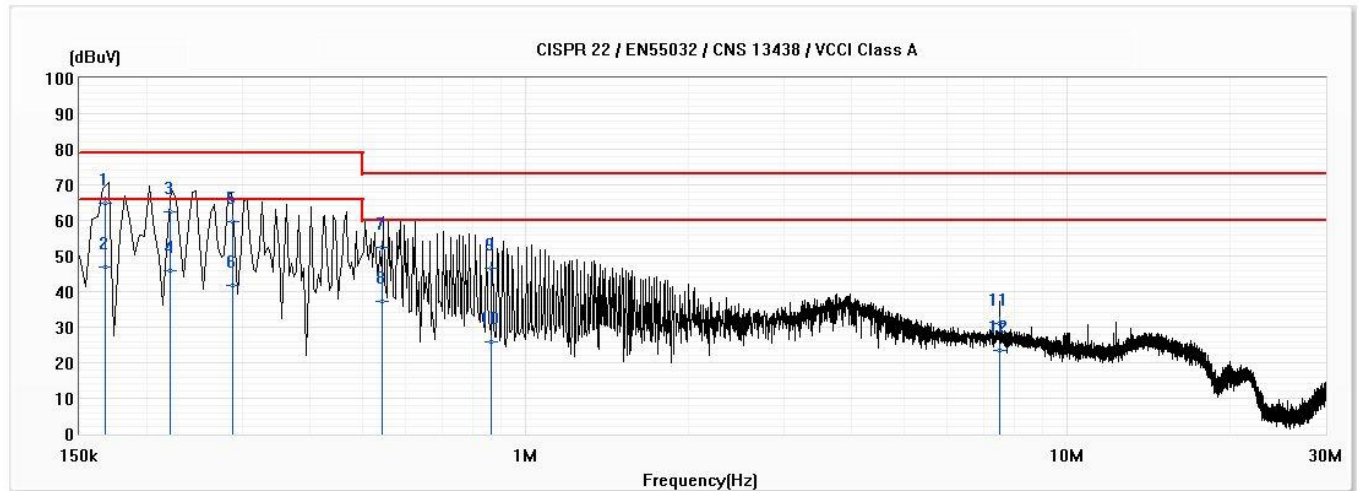
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance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

### 3.5. Test Result

Model No	IB9367-EHT-v2	Site	SR1
Test Voltage	AC 120V/60Hz	Test Date	2020/10/23
Test Mode	Mode 1	Engineer	Nilk Chen
Phase	L1	Temperature (°C)	23.5
Test Condition	--	Humidity (%RH)	60

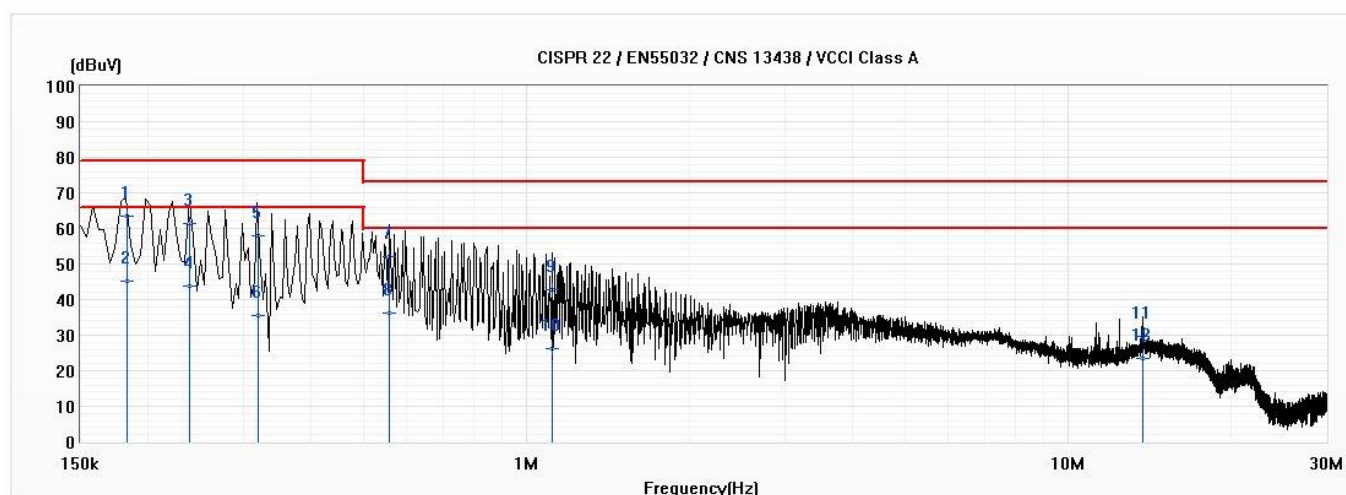


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.168	64.97	79.00	-14.03	55.19	9.78	QP
2	0.168	46.84	66.00	-19.16	37.06	9.78	AV
3	0.221	62.28	79.00	-16.72	52.50	9.78	QP
4	0.221	45.80	66.00	-20.20	36.02	9.78	AV
5	0.287	59.52	79.00	-19.48	49.74	9.78	QP
6	0.287	41.64	66.00	-24.36	31.86	9.78	AV
7	0.544	52.54	73.00	-20.46	42.76	9.77	QP
8	0.544	37.08	60.00	-22.92	27.31	9.77	AV
9	0.864	46.42	73.00	-26.58	36.62	9.80	QP
10	0.864	25.88	60.00	-34.12	16.08	9.80	AV
11	7.500	31.14	73.00	-41.86	21.15	10.00	QP
12	7.500	23.45	60.00	-36.55	13.46	10.00	AV

Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit.

Model No	IB9367-EHT-v2	Site	SR1
Test Voltage	AC 120V/60Hz	Test Date	2020/10/23
Test Mode	Mode 1	Engineer	Nilk Chen
Phase	N	Temperature (°C)	23.5
Test Condition	--	Humidity (%RH)	60

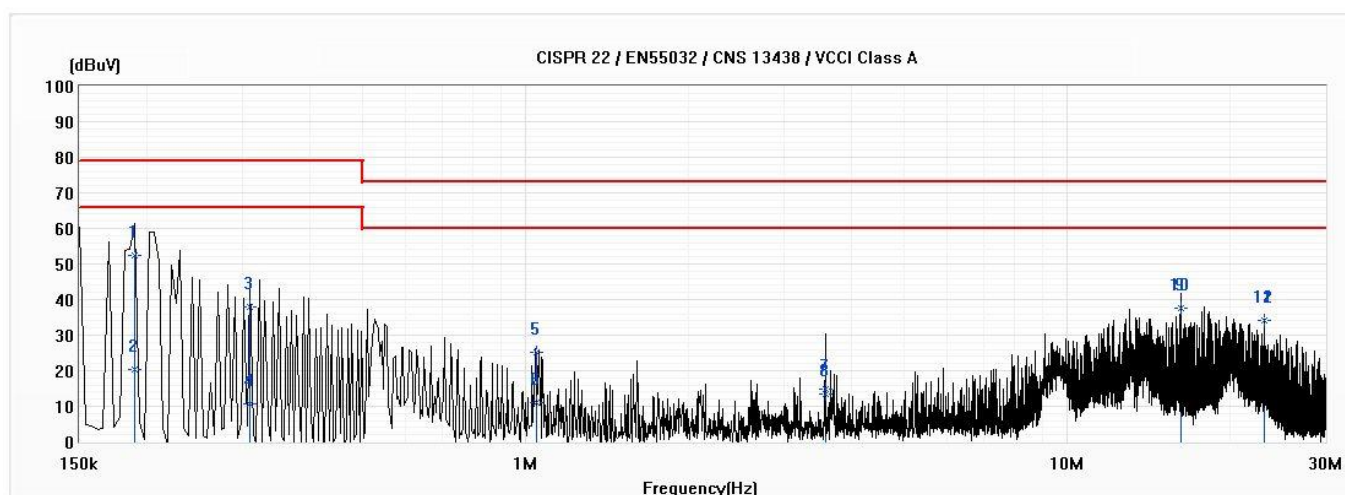


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.183	63.38	79.00	-15.62	53.61	9.77	QP
2	0.183	45.09	66.00	-20.91	35.32	9.77	AV
3	0.239	61.41	79.00	-17.59	51.65	9.77	QP
4	0.239	43.73	66.00	-22.27	33.96	9.77	AV
5	0.319	57.97	79.00	-21.03	48.21	9.76	QP
6	0.319	35.55	66.00	-30.45	25.79	9.76	AV
7	0.558	52.16	73.00	-20.84	42.39	9.76	QP
8	0.558	36.24	60.00	-23.76	26.48	9.76	AV
9	1.116	42.63	73.00	-30.37	32.82	9.81	QP
10	1.116	26.15	60.00	-33.85	16.34	9.81	AV
11	13.749	29.73	73.00	-43.27	19.52	10.21	QP
12	13.749	23.51	60.00	-36.49	13.29	10.21	AV

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit.

Model No	IB9367-EHT-v2	Site	SR1
Test Voltage	AC 120V/60Hz	Test Date	2020/11/13
Test Mode	Mode 3	Engineer	Shianyu Chiou
Phase	L1	Temperature (°C)	23.5
Test Condition	--	Humidity (%RH)	60

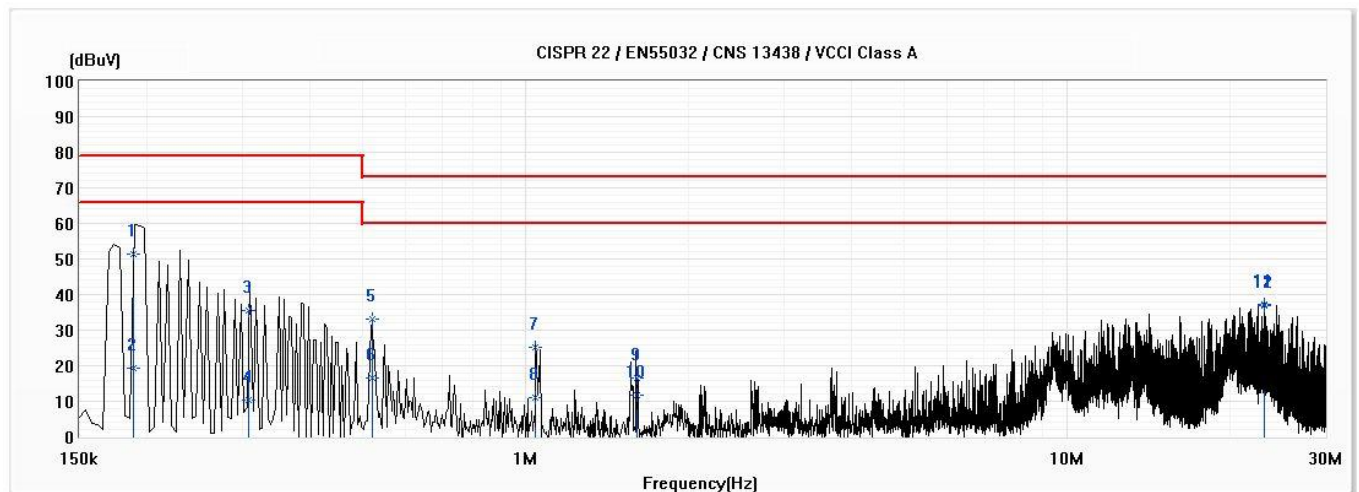


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.189	52.47	79.00	-26.53	42.69	9.78	QP
2	0.189	20.19	66.00	-45.81	10.41	9.78	AV
3	0.310	37.77	79.00	-41.23	28.00	9.77	QP
4	0.310	10.54	66.00	-55.46	0.77	9.77	AV
5	1.045	25.02	73.00	-47.98	15.21	9.81	QP
6	1.045	10.92	60.00	-49.08	1.11	9.81	AV
7	3.573	14.90	73.00	-58.10	5.03	9.87	QP
8	3.573	13.50	60.00	-46.50	3.63	9.87	AV
9	16.228	37.68	73.00	-35.32	27.50	10.19	QP
*10	16.228	37.52	60.00	-22.48	27.34	10.19	AV
11	23.128	34.30	73.00	-38.70	24.02	10.29	QP
12	23.128	33.99	60.00	-26.01	23.71	10.29	AV

Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit.

Model No	IB9367-EHT-v2	Site	SR1
Test Voltage	AC 120V/60Hz	Test Date	2020/11/13
Test Mode	Mode 3	Engineer	Shianyu Chiou
Phase	N	Temperature (°C)	23.5
Test Condition	--	Humidity (%RH)	60



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.188	51.48	79.00	-27.52	41.71	9.77	QP
2	0.188	19.35	66.00	-46.65	9.58	9.77	AV
3	0.308	35.51	79.00	-43.49	25.74	9.76	QP
4	0.308	10.27	66.00	-55.73	0.51	9.76	AV
5	0.520	32.96	73.00	-40.04	23.20	9.76	QP
6	0.520	16.48	60.00	-43.52	6.72	9.76	AV
7	1.044	25.24	73.00	-47.76	15.43	9.81	QP
8	1.044	10.89	60.00	-49.11	1.08	9.81	AV
9	1.602	16.58	73.00	-56.42	6.76	9.83	QP
10	1.602	11.85	60.00	-48.15	2.03	9.83	AV
11	23.128	37.30	73.00	-35.70	26.85	10.46	QP
*12	23.128	36.92	60.00	-23.08	26.47	10.46	AV

Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit.

### 3.6. Test Photograph

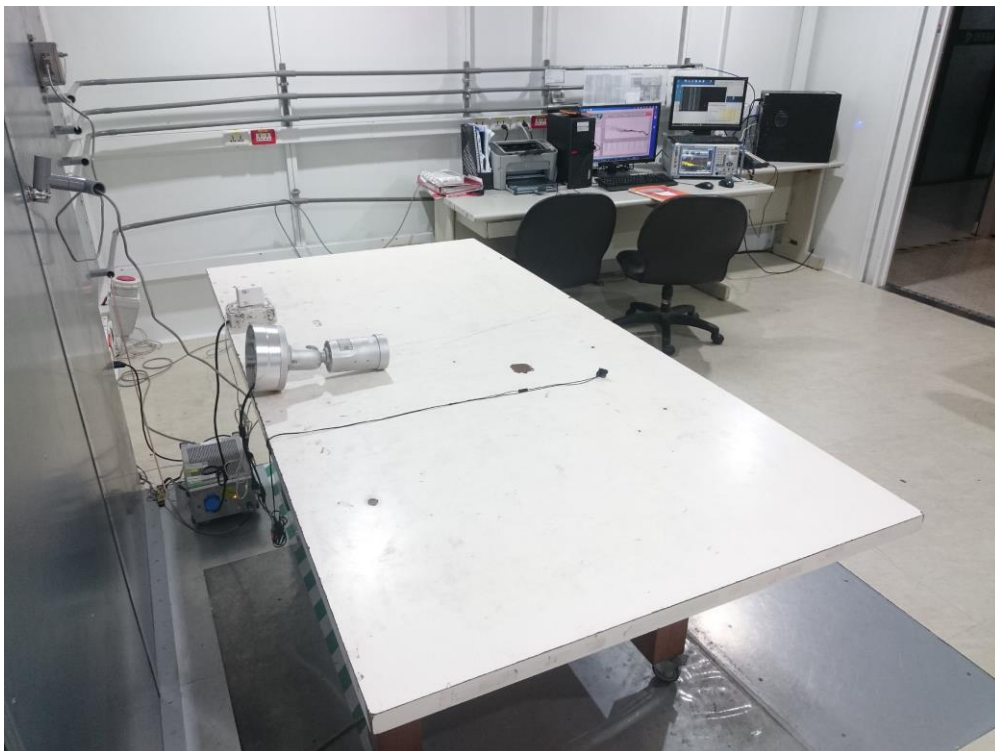
Test Mode : Mode 1: Normal Operation, DC 12V (Adapter)

Description : Front View of Conducted Test



Test Mode : Mode 1: Normal Operation, DC 12V (Adapter)

Description : Back View of Conducted Test





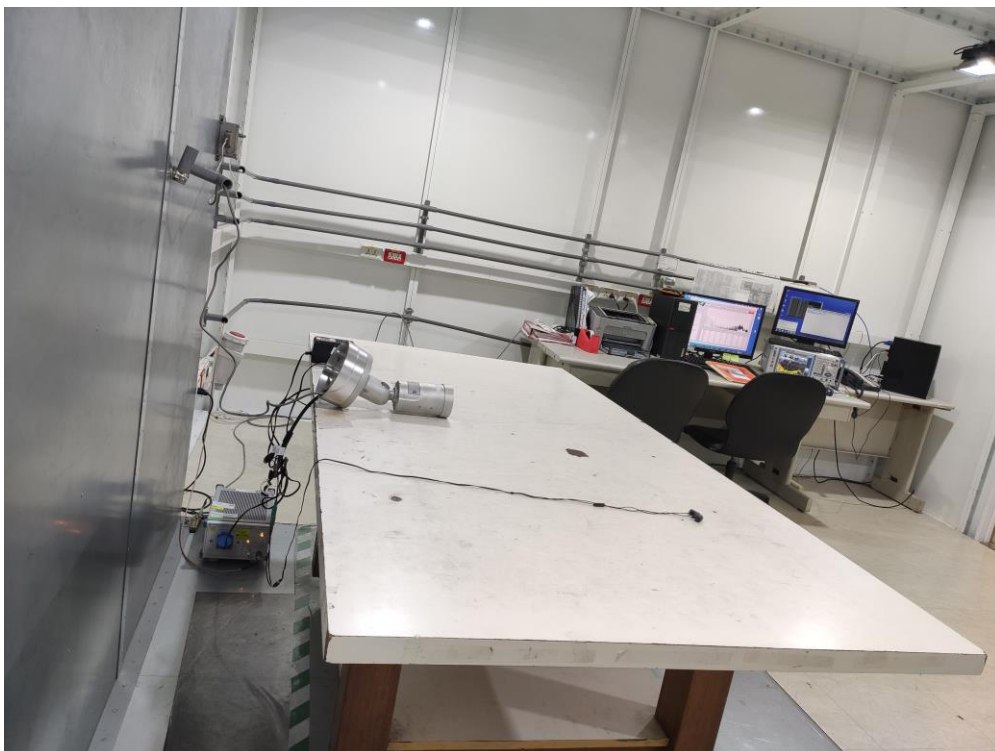
Test Mode : Mode 3: Normal Operation, AC 24V (Adapter)

Description : Front View of Conducted Test



Test Mode : Mode 3: Normal Operation, AC 24V (Adapter)

Description : Back View of Conducted Test



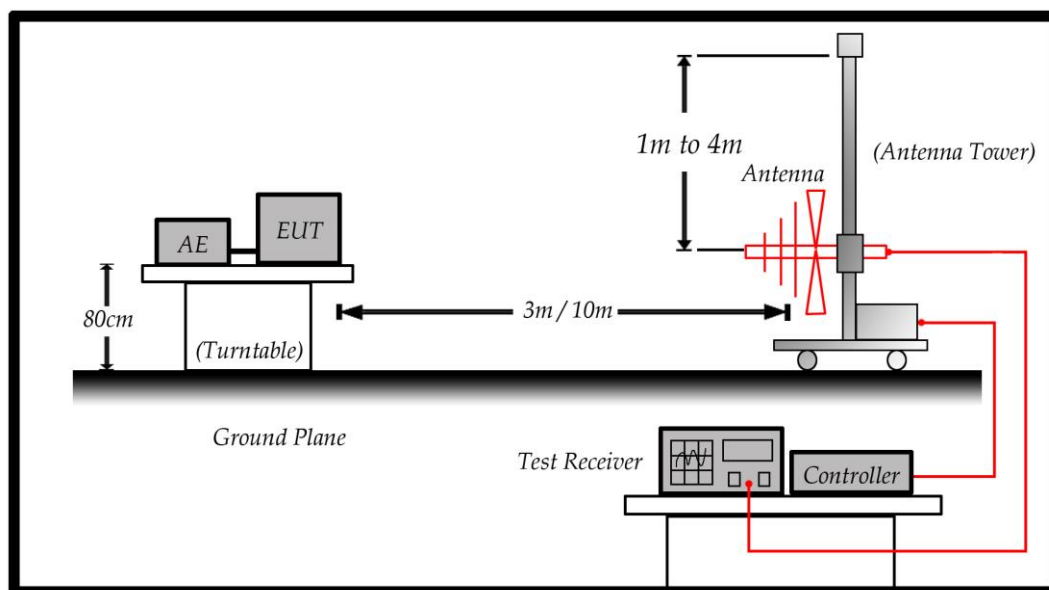
## 4. Radiated Emission

### 4.1. Test Specification

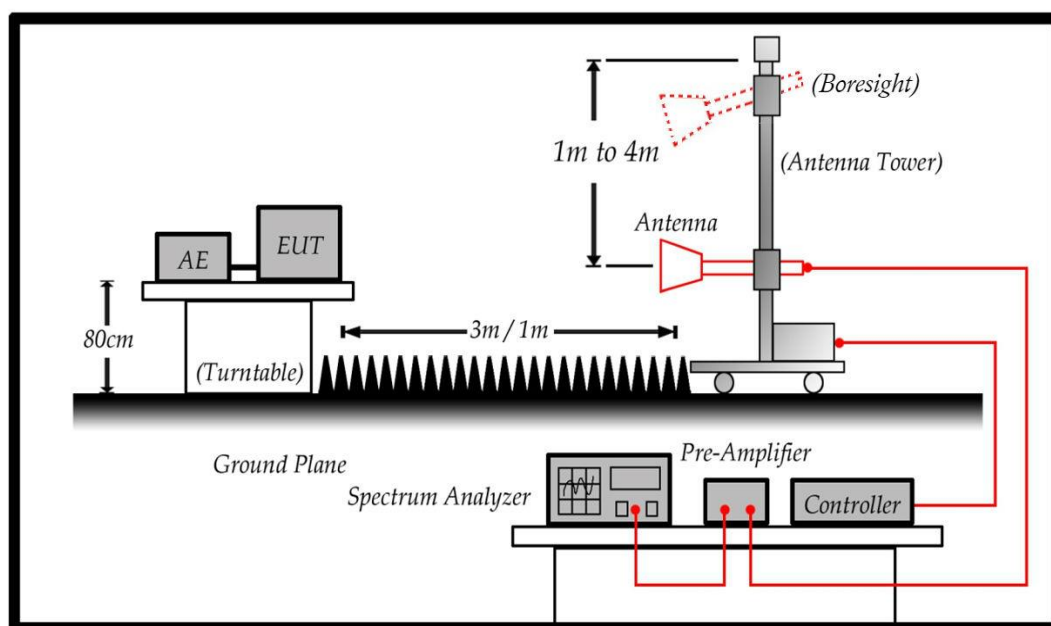
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

### 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	40
230 – 1000	10	47

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	10	39
88 - 216	10	43.5
216 - 960	10	46.4
Above 960	10	49.5
1000 to 18000	3	59.5
Above 18000	1	69.54

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.  $\text{RF Voltage (dBuV/m)} = 20 \log \text{RF Voltage (uV/m)}$

#### 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 (boresight antenna tower) 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 following 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 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower

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

When average radiated emission measurement are included emission measurement Above 1000MHz, 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.

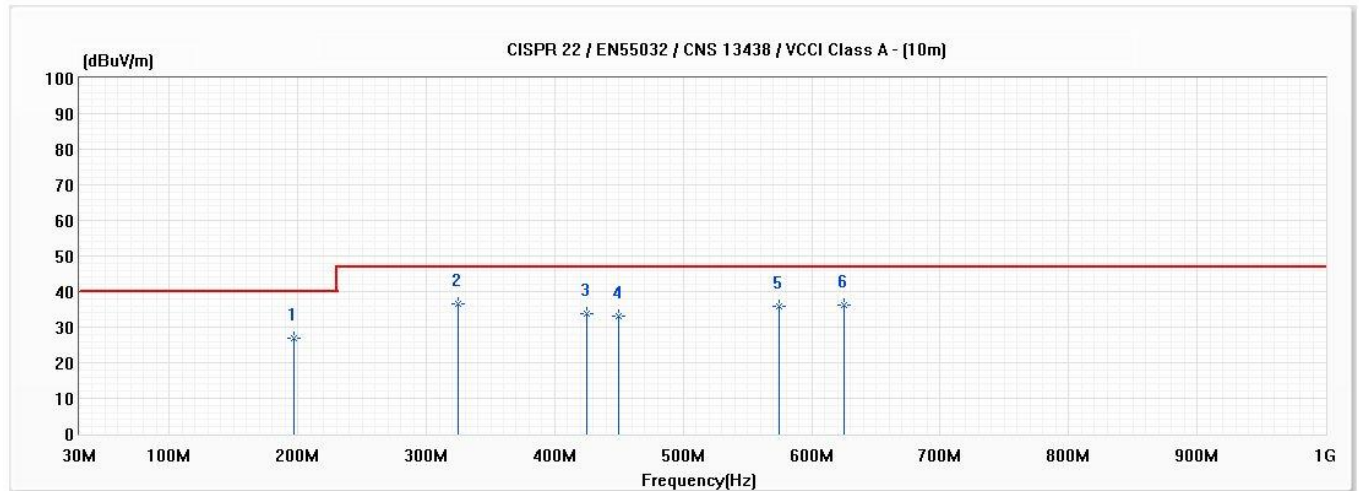
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

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 (Test Receiver) is 120kHz and above 1GHz is 1MHz.

#### 4.5. Test Result

Model No	IB9367-EHT-v2	Site	SITE7
Test Voltage	AC 120V/60Hz	Test Date	2020/10/23
Test Mode	Mode 1	Engineer	Sampras Yen
Polarity	Horizontal	Temperature (°C)	20.7
Test Condition	--	Humidity (%RH)	66

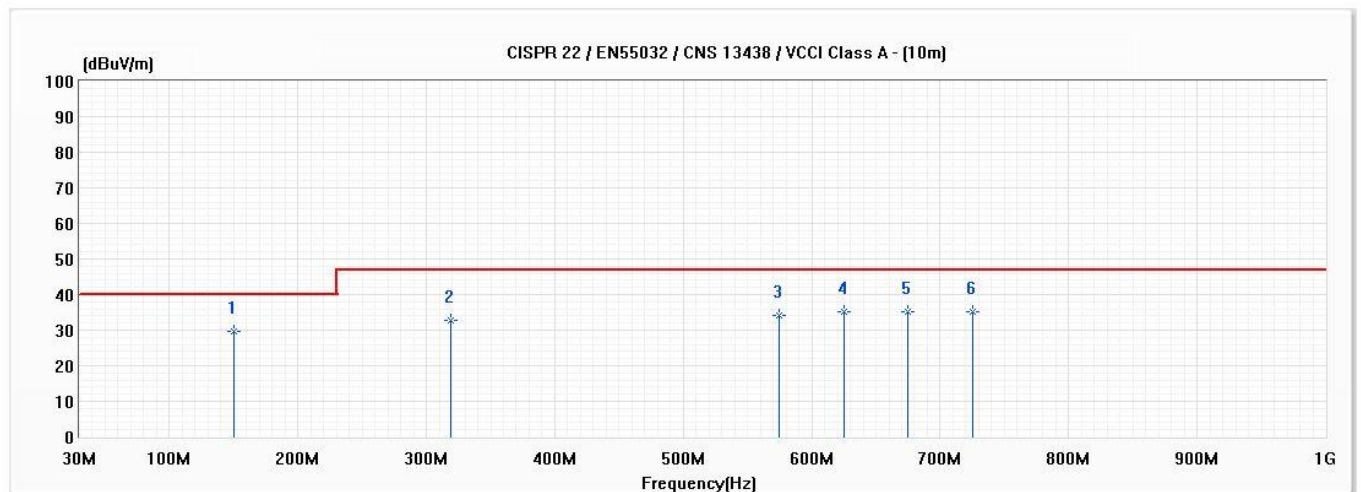


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	196.600	26.77	40.00	-13.23	40.30	-13.53	390	26	QP
* 2	325.000	36.66	47.00	-10.34	44.20	-7.54	319	29	QP
3	425.000	33.65	47.00	-13.35	37.39	-3.74	210	64	QP
4	450.000	33.14	47.00	-13.86	36.40	-3.26	200	144	QP
5	575.000	35.77	47.00	-11.23	36.10	-0.33	200	91	QP
6	625.000	36.20	47.00	-10.80	35.60	0.60	150	-128	QP

Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level - Limit.

Model No	IB9367-EHT-v2	Site	SITE7
Test Voltage	AC 120V/60Hz	Test Date	2020/10/23
Test Mode	Mode 1	Engineer	Sampras Yen
Polarity	Vertical	Temperature (°C)	20.7
Test Condition	--	Humidity (%RH)	66

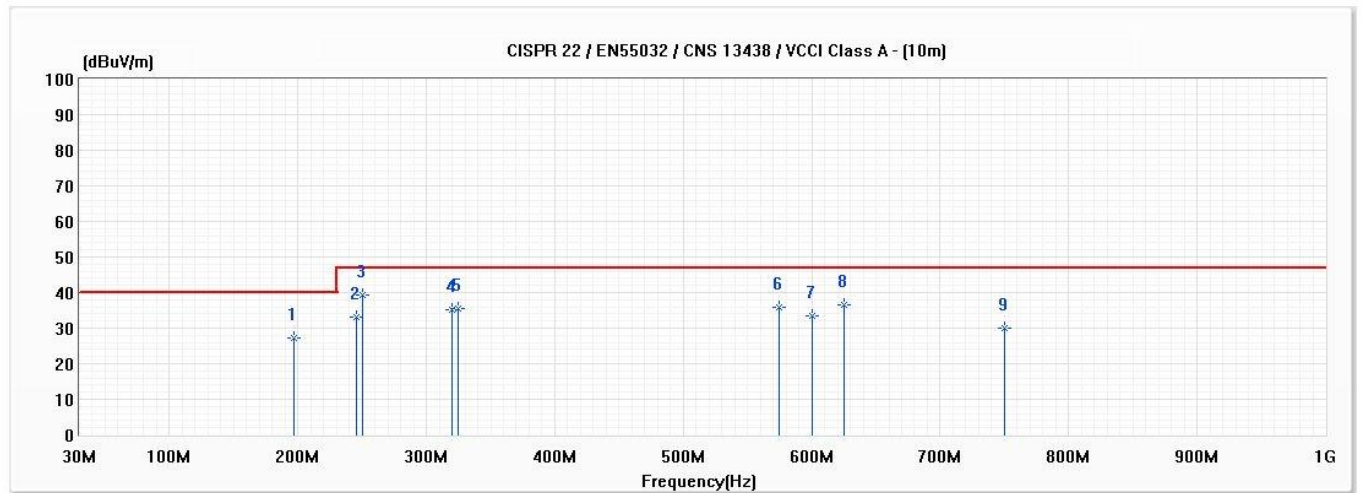


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
* 1	150.000	29.55	40.00	-10.45	42.50	-12.95	100	-48	QP
2	319.400	32.59	47.00	-14.41	40.20	-7.61	100	26	QP
3	575.000	34.27	47.00	-12.73	34.60	-0.33	265	39	QP
4	625.000	35.20	47.00	-11.80	34.60	0.60	265	39	QP
5	675.000	35.31	47.00	-11.69	34.60	0.71	270	22	QP
6	725.000	35.04	47.00	-11.96	33.21	1.83	260	-49	QP

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level - Limit.

Model No	IB9367-EHT-v2	Site	SITE7
Test Voltage	PoE	Test Date	2020/10/23
Test Mode	Mode 2	Engineer	Sampras Yen
Polarity	Horizontal	Temperature (°C)	20.7
Test Condition	--	Humidity (%RH)	66

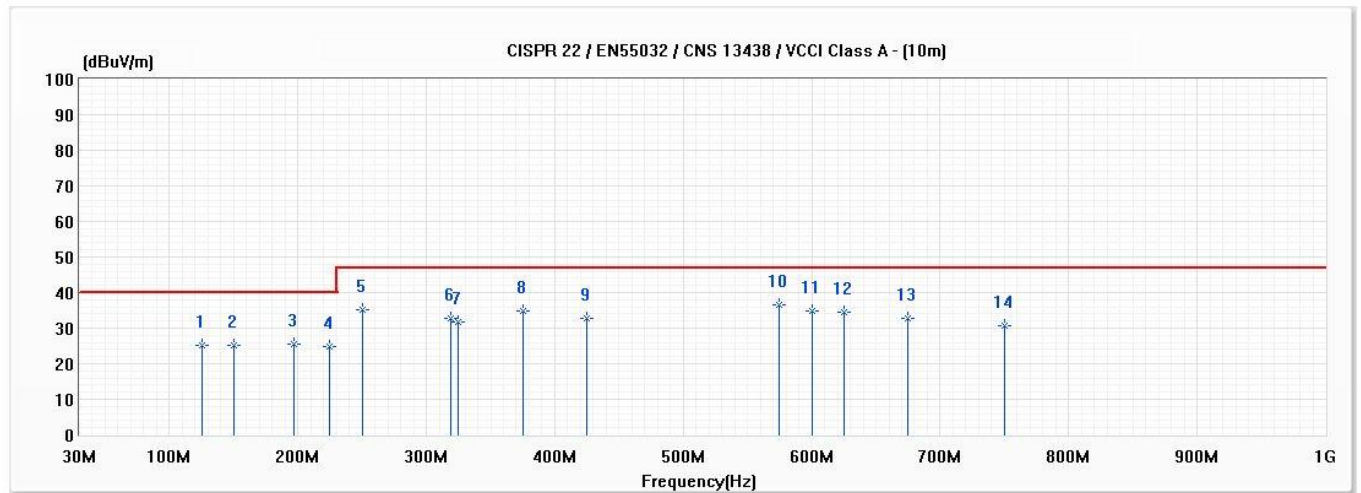


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	196.600	27.07	40.00	-12.93	40.60	-13.53	390	-52	QP
2	245.750	33.22	47.00	-13.78	43.19	-9.97	380	62	QP
* 3	250.000	39.46	47.00	-7.54	48.80	-9.34	375	39	QP
4	319.480	35.19	47.00	-11.81	42.79	-7.60	260	-48	QP
5	325.000	35.66	47.00	-11.34	43.20	-7.54	265	36	QP
6	575.000	35.88	47.00	-11.12	36.21	-0.33	195	182	QP
7	599.980	33.39	47.00	-13.61	33.50	-0.11	160	32	QP
8	625.000	36.60	47.00	-10.40	36.00	0.60	140	59	QP
9	750.000	29.85	47.00	-17.15	27.50	2.35	120	32	QP

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level - Limit.

Model No	IB9367-EHT-v2	Site	SITE7
Test Voltage	PoE	Test Date	2020/10/23
Test Mode	Mode 2	Engineer	Sampras Yen
Polarity	Vertical	Temperature (°C)	20.7
Test Condition	--	Humidity (%RH)	66

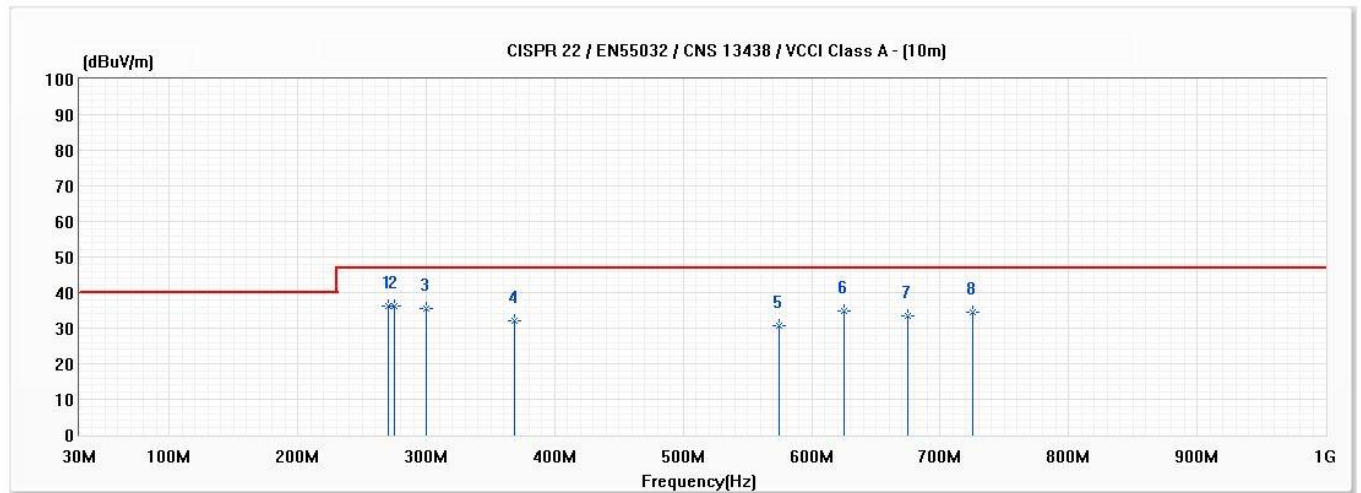


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	125.000	25.20	40.00	-14.80	36.80	-11.60	100	-49	QP
2	150.000	25.05	40.00	-14.95	38.00	-12.95	100	-58	QP
3	196.600	25.67	40.00	-14.33	39.20	-13.53	100	65	QP
4	225.000	24.89	40.00	-15.11	37.39	-12.50	100	-46	QP
5	250.000	35.26	47.00	-11.74	44.60	-9.34	100	94	QP
6	319.400	32.59	47.00	-14.41	40.20	-7.61	100	-48	QP
7	325.000	31.86	47.00	-15.14	39.40	-7.54	100	-58	QP
8	375.000	34.83	47.00	-12.17	40.60	-5.77	100	95	QP
9	425.000	32.85	47.00	-14.15	36.59	-3.74	350	-49	QP
* 10	575.000	36.48	47.00	-10.52	36.81	-0.33	2295	39	QP
11	600.000	34.69	47.00	-12.31	34.80	-0.11	260	32	QP
12	625.000	34.40	47.00	-12.60	33.80	0.60	240	-59	QP
13	675.000	32.61	47.00	-14.39	31.90	0.71	225	36	QP
14	750.000	30.65	47.00	-16.35	28.30	2.35	265	59	QP

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level - Limit.

Model No	IB9367-EHT-v2	Site	SITE7
Test Voltage	AC 120V/60Hz	Test Date	2020/11/16
Test Mode	Mode 3	Engineer	Sampras Yen
Polarity	Horizontal	Temperature (°C)	22.1
Test Condition	--	Humidity (%RH)	56



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
* 1	270.320	36.29	47.00	-10.71	45.30	-9.01	345	39	QP
2	275.000	36.05	47.00	-10.95	45.01	-8.96	350	26	QP
3	300.000	35.63	47.00	-11.37	44.00	-8.37	320	36	QP
4	368.620	31.94	47.00	-15.06	38.00	-6.06	260	32	QP
5	575.000	30.57	47.00	-16.43	31.00	-0.43	185	-196	QP
6	625.000	35.00	47.00	-12.00	34.60	0.40	150	25	QP
7	675.000	33.31	47.00	-13.69	32.60	0.71	140	-49	QP
8	725.000	34.63	47.00	-12.37	33.20	1.43	120	-116	QP

## Remark:

1. "\*" means this data is the worst emission level;

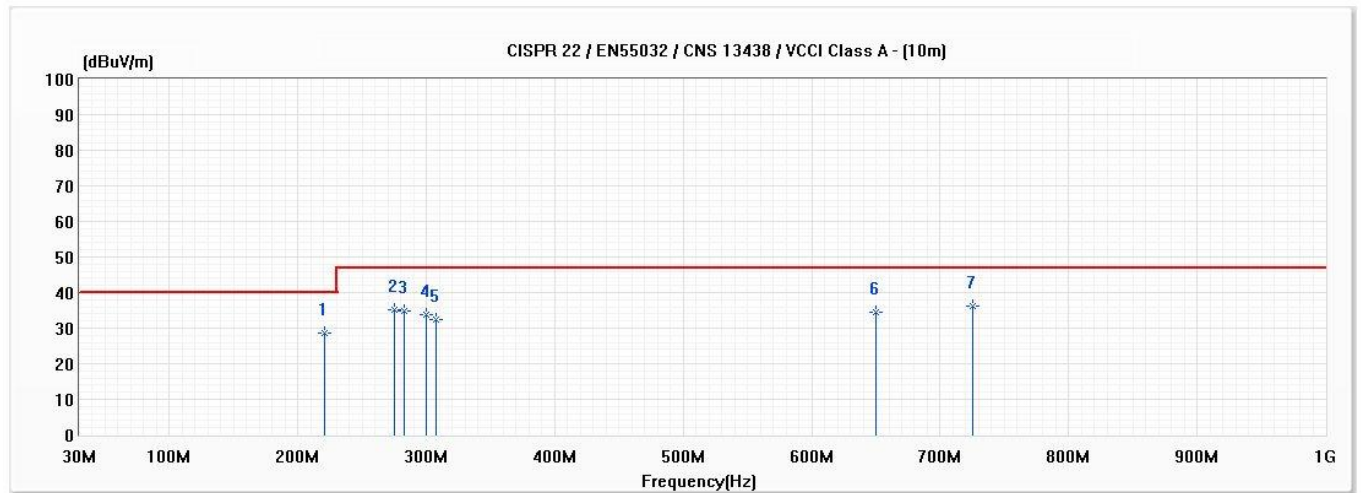
"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).

3. Margin= Emission Level - Limit.



Model No	IB9367-EHT-v2	Site	SITE7
Test Voltage	AC 120V/60Hz	Test Date	2020/11/16
Test Mode	Mode 3	Engineer	Sampras Yen
Polarity	Vertical	Temperature (°C)	22.1
Test Condition	--	Humidity (%RH)	56



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	221.200	28.55	40.00	-11.45	41.59	-13.04	100	98	QP
2	275.000	35.25	47.00	-11.75	44.21	-8.96	100	143	QP
3	282.600	34.88	47.00	-12.12	43.60	-8.72	100	96	QP
4	300.000	33.83	47.00	-13.17	42.20	-8.37	100	182	QP
5	307.100	32.54	47.00	-14.46	40.71	-8.17	100	26	QP
6	650.000	34.41	47.00	-12.59	33.91	0.50	230	-41	QP
* 7	725.000	36.23	47.00	-10.77	34.80	1.43	235	-98	QP

## Remark:

1. "\*" means this data is the worst emission level;

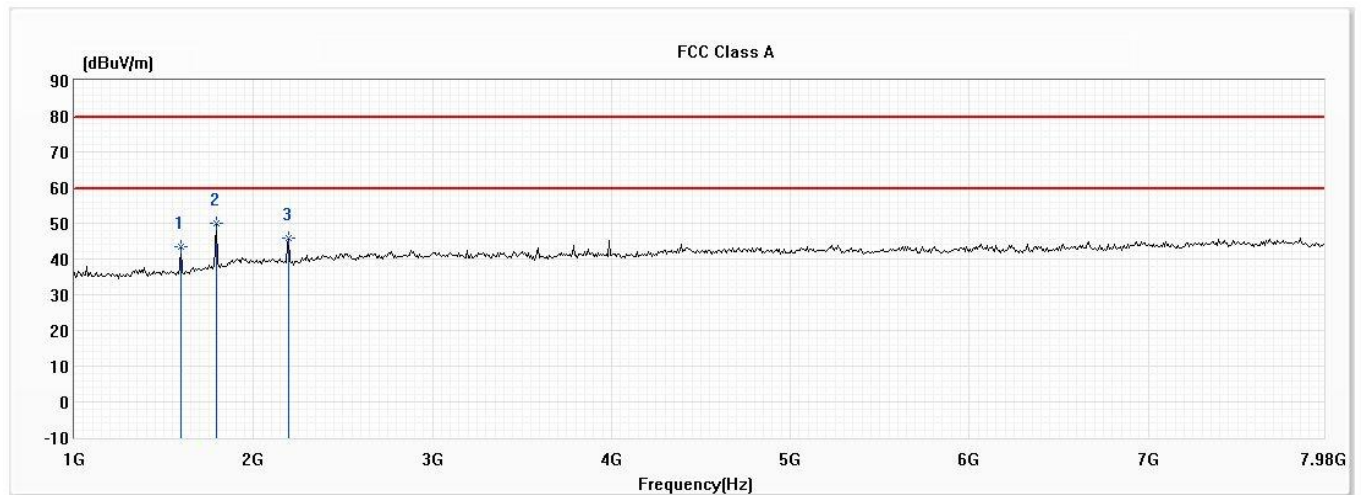
"!" means this data is over limit.

2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).

3. Margin= Emission Level - Limit.



Model No	IB9367-EHT-v2	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2020/10/22
Test Mode	Mode 1	Engineer	Sam Chen
Polarity	Horizontal	Temperature (°C)	23
Test Condition	--	Humidity (%RH)	68

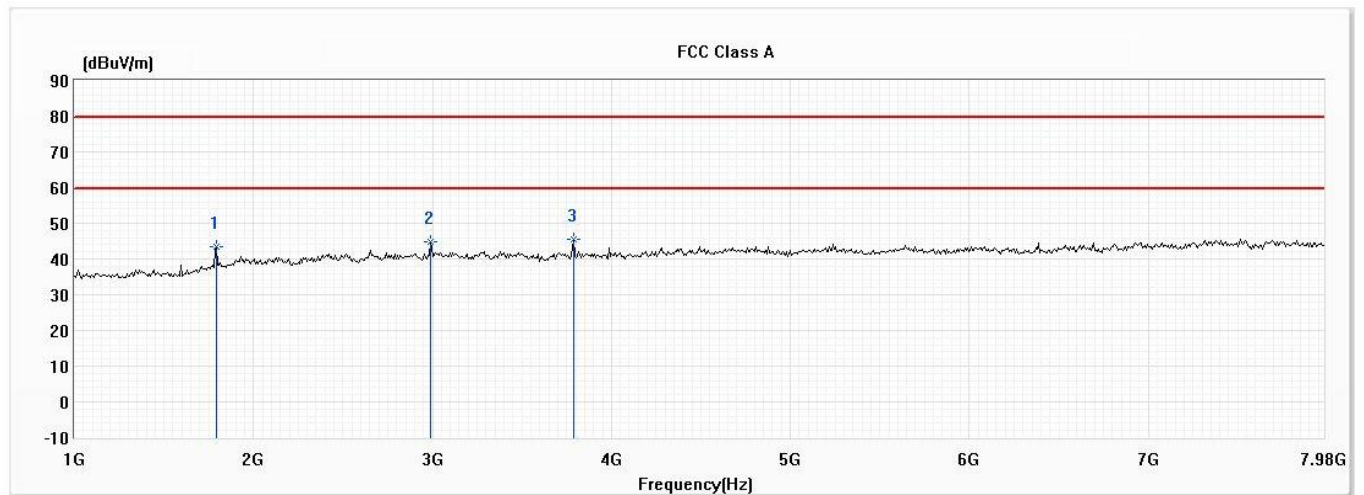


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1593.300	43.31	79.50	-36.19	56.27	-12.96	146	-51	PK
* 2	1795.720	49.85	79.50	-29.65	60.59	-10.74	100	74	PK
3	2193.580	45.70	79.50	-33.80	54.49	-8.79	123	71	PK

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	IB9367-EHT-v2	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2020/10/22
Test Mode	Mode 1	Engineer	Sam Chen
Polarity	Vertical	Temperature (°C)	23
Test Condition	--	Humidity (%RH)	68

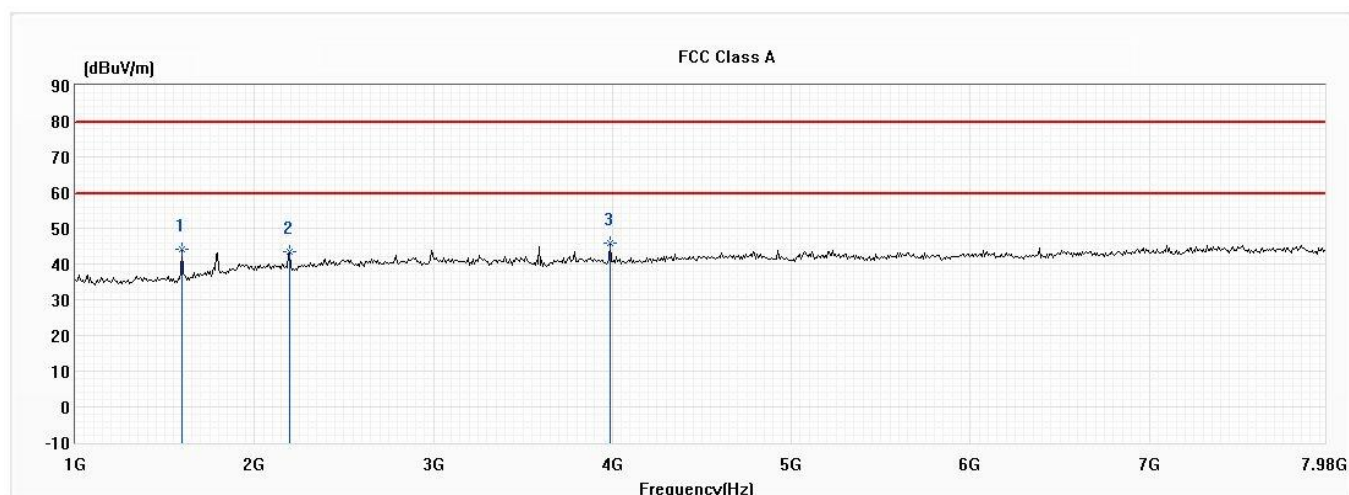


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1795.720	43.41	79.50	-36.09	54.15	-10.74	112	-51	PK
2	2989.300	44.84	79.50	-34.66	50.75	-5.91	143	-52	PK
* 3	3792.000	45.66	79.50	-33.84	50.06	-4.40	136	126	PK

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	IB9367-EHT-v2	Site	CB7
Test Voltage	PoE	Test Date	2020/10/22
Test Mode	Mode 2	Engineer	Sam Chen
Polarity	Horizontal	Temperature (°C)	23
Test Condition	--	Humidity (%RH)	68

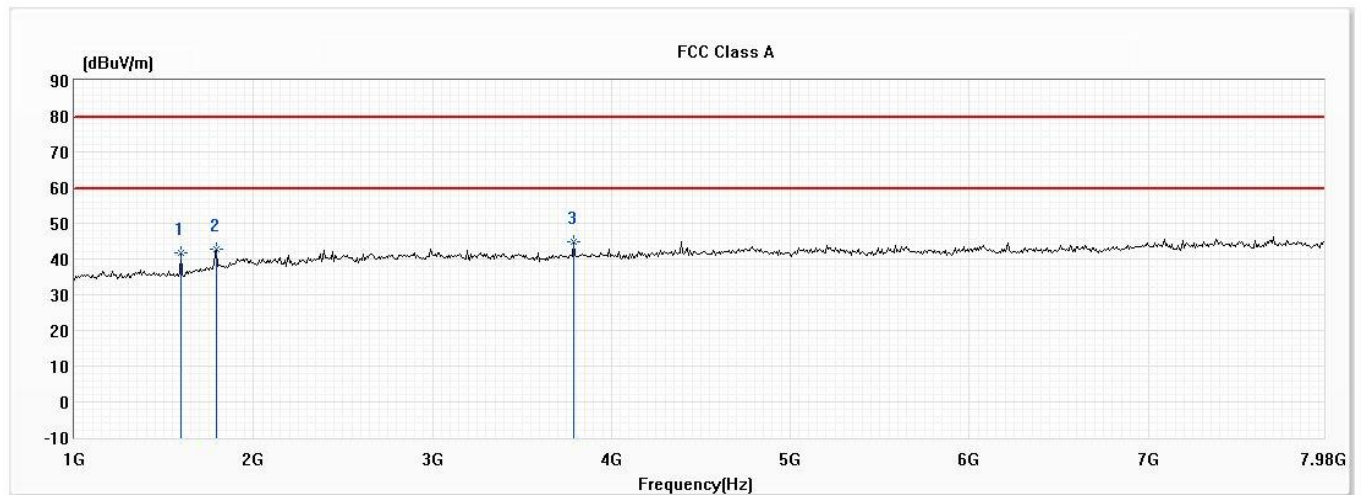


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1593.300	44.03	79.50	-35.47	56.99	-12.96	156	51	PK
2	2193.580	43.30	79.50	-36.20	52.09	-8.79	195	12	PK
* 3	3987.440	45.79	79.50	-33.71	49.72	-3.93	112	-79	PK

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	IB9367-EHT-v2	Site	CB7
Test Voltage	PoE	Test Date	2020/10/22
Test Mode	Mode 2	Engineer	Sam Chen
Polarity	Vertical	Temperature (°C)	23
Test Condition	--	Humidity (%RH)	68

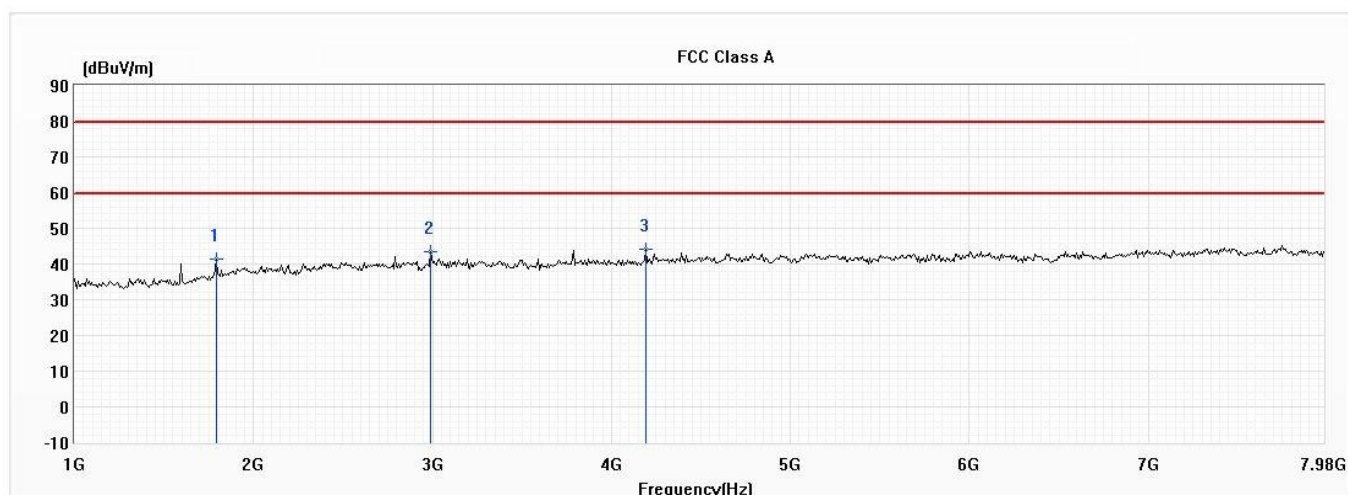


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1593.300	41.89	79.50	-37.61	54.85	-12.96	124	59	PK
2	1795.720	42.84	79.50	-36.66	53.58	-10.74	112	-12	PK
* 3	3792.000	44.69	79.50	-34.81	49.09	-4.40	115	95	PK

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	IB9367-EHT-v2	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2020/11/13
Test Mode	Mode 3	Engineer	Sam Chen
Polarity	Horizontal	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	75

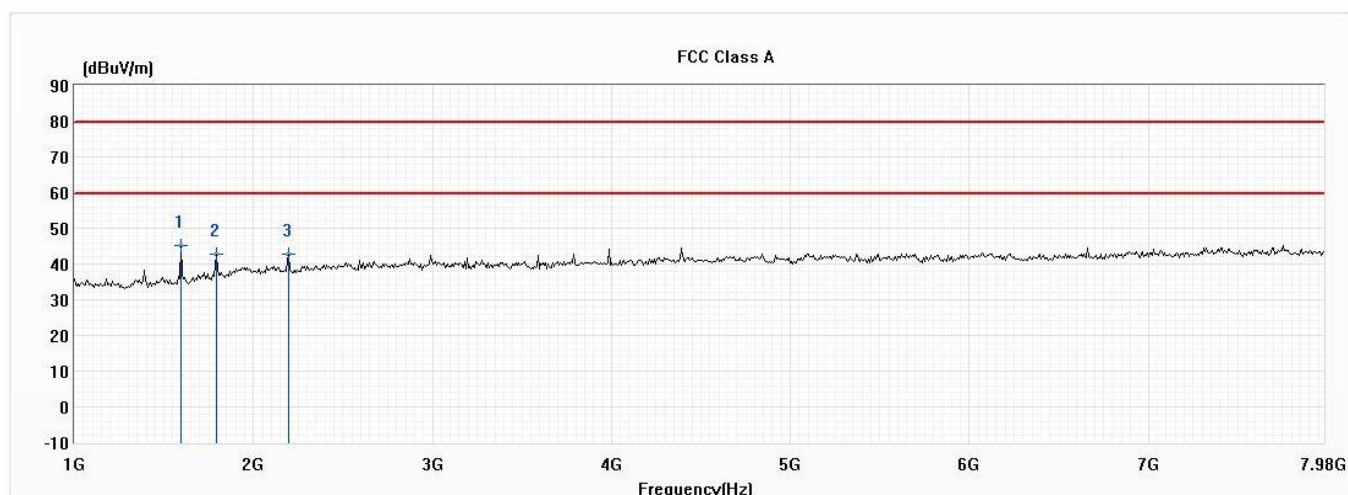


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1795.720	41.29	79.50	-38.21	58.81	-17.52	100	-15	PK
2	2989.300	43.30	79.50	-36.20	56.77	-13.47	115	-59	PK
* 3	4189.860	44.21	79.50	-35.29	56.07	-11.86	100	44	PK

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	IB9367-EHT-v2	Site	CB7
Test Voltage	AC 120V/60Hz	Test Date	2020/11/13
Test Mode	Mode 3	Engineer	Sam Chen
Polarity	Vertical	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	75



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
* 1	1593.300	45.28	79.50	-34.22	64.90	-19.62	100	44	PK
2	1795.720	42.93	79.50	-36.57	60.45	-17.52	100	150	PK
3	2193.580	42.83	79.50	-36.67	58.67	-15.84	175	-151	PK

## Remark:

1. "\*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor (Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level-Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.



#### 4.6. Test Photograph

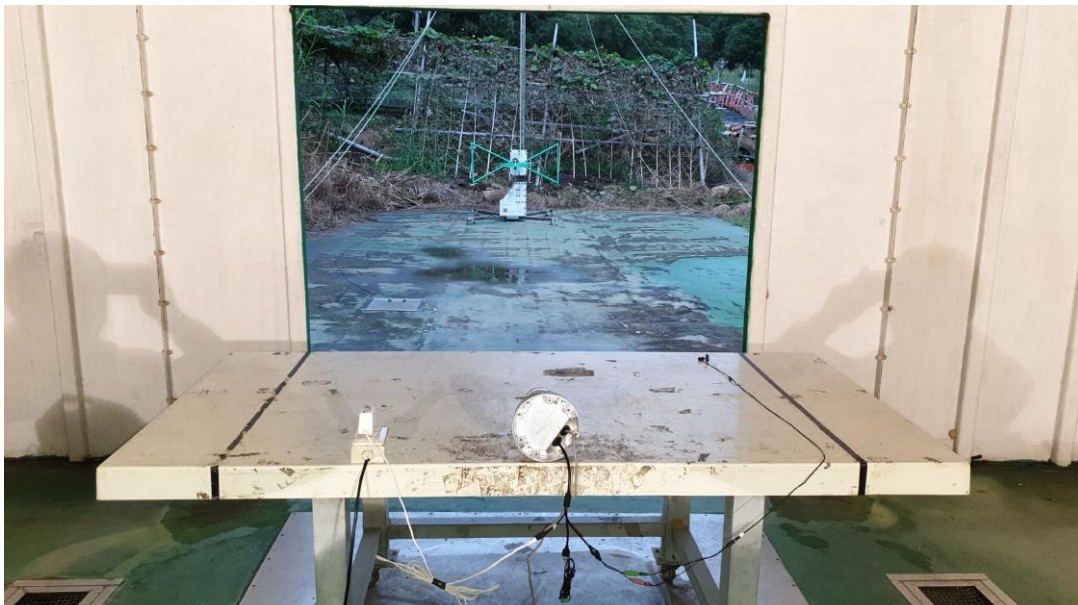
Test Mode : Mode 1: Normal Operation, DC 12V (Adapter)

Description : Front View of Radiated Test



Test Mode : Mode 1: Normal Operation, DC 12V (Adapter)

Description : Back View of Radiated Test



Test Mode : Mode 1: Normal Operation, DC 12V (Adapter)

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 2: Normal Operation, PoE

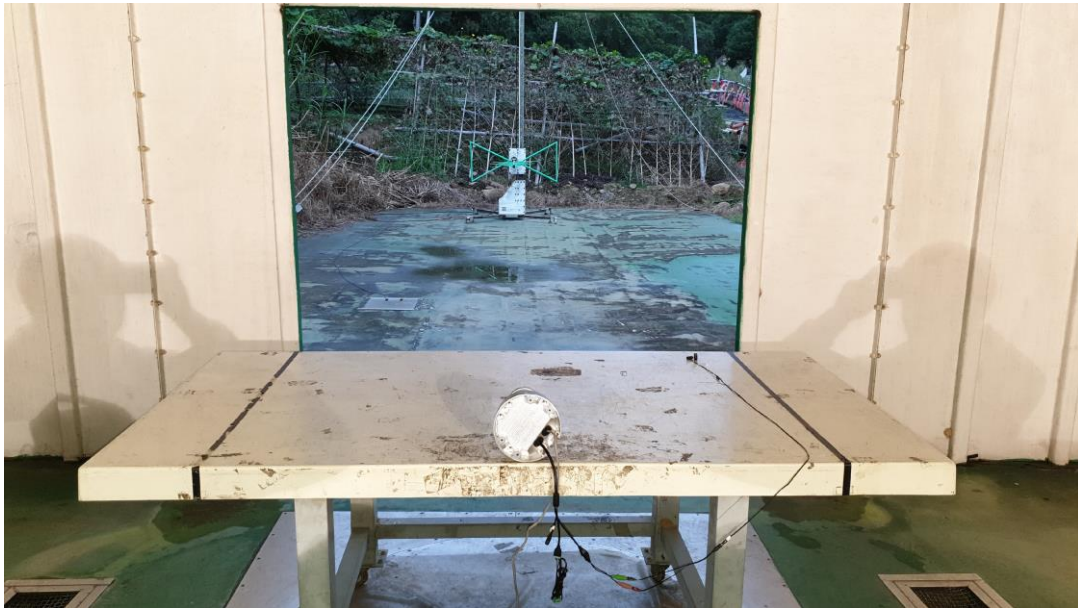
Description : Front View of Radiated Test





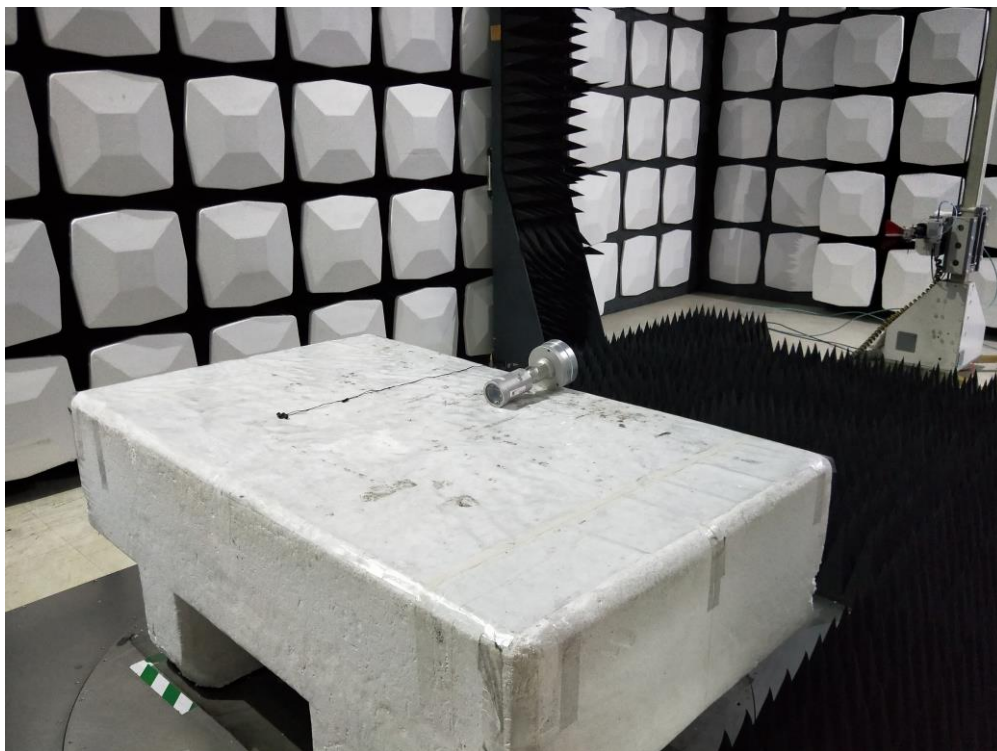
Test Mode : Mode 2: Normal Operation, PoE

Description : Back View of Radiated Test



Test Mode : Mode 2: Normal Operation, PoE

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 3: Normal Operation, AC 24V (Adapter)

Description : Front View of Radiated Test



Test Mode : Mode 3: Normal Operation, AC 24V (Adapter)

Description : Back View of Radiated Test



Test Mode : Mode 3: Normal Operation, AC 24V (Adapter)

Description : Front View of High Frequency Radiated Test





## 5. Attachment

### ➤ EUT Photograph

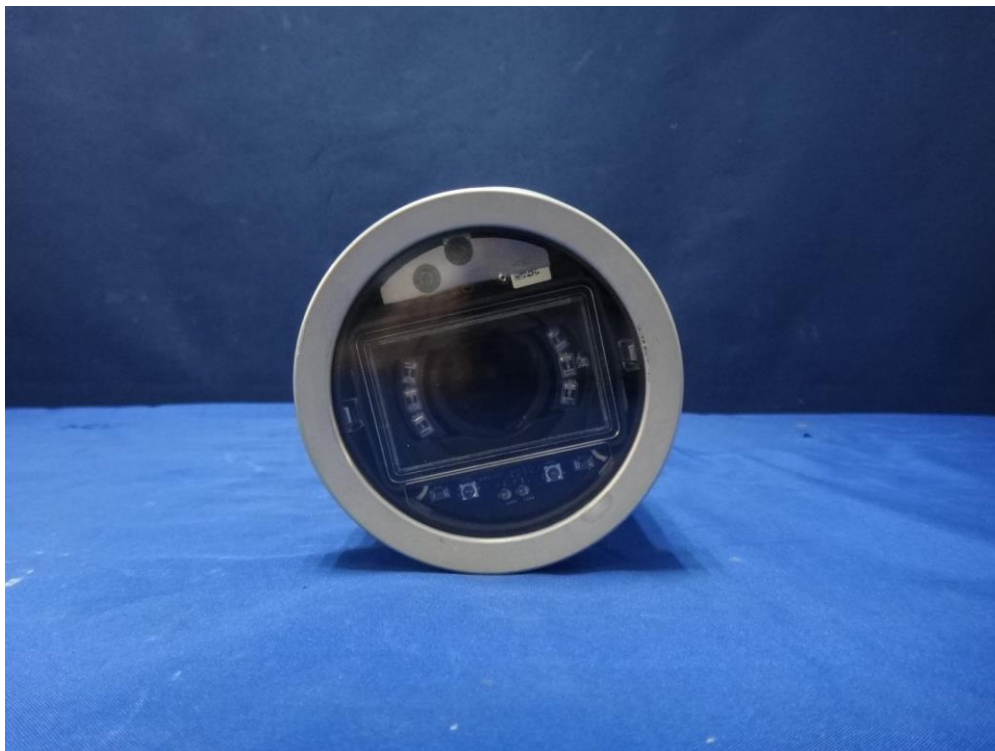
(1) EUT Photo



(2) EUT Photo



(3) EUT Photo



(4) EUT Photo

