

# VCCI Test Report

Product Name : Network Camera

Model No. : FE9382-EHV-v2

Applicant : VIVOTEK INC.

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

Date of Receipt : 2020/05/19

Issued Date : 2020/06/29

Report No. : 2050438R-E3012130001

Report Version : V1.0



The test results relate only to the samples tested.

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

This report must not be used to claim product endorsement by TAF 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

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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. : FE9382-EHV-v2

EUT Rated Voltage : DC12V, PoE

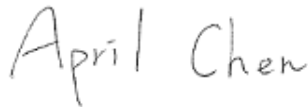
EUT Test Voltage : AC 100 V / 50 Hz, PoE

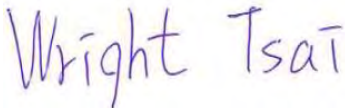
Trade Name : VIVOTEK


Applicable Standard : VCCI CISPR 32: 2016-11, Class A

Test Result : Complied

Performed Location : DEKRA Testing and Certification Co., Ltd.  
Linkou Laboratory  
No. 5-22, Ruishukeng  
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Approved By :   
( Director / Vincent Lin )

## Laboratory Information

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<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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## 1. General Information

### 1.1. EUT Description

Product Name	Network Camera
Trade Name	VIVOTEK
Model No.	FE9382-EHV-v2

## 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: DC 12V	
Mode 2: PoE Mode	
Final Test Mode	
Emission	Mode 1: DC 12V Mode 2: PoE Mode

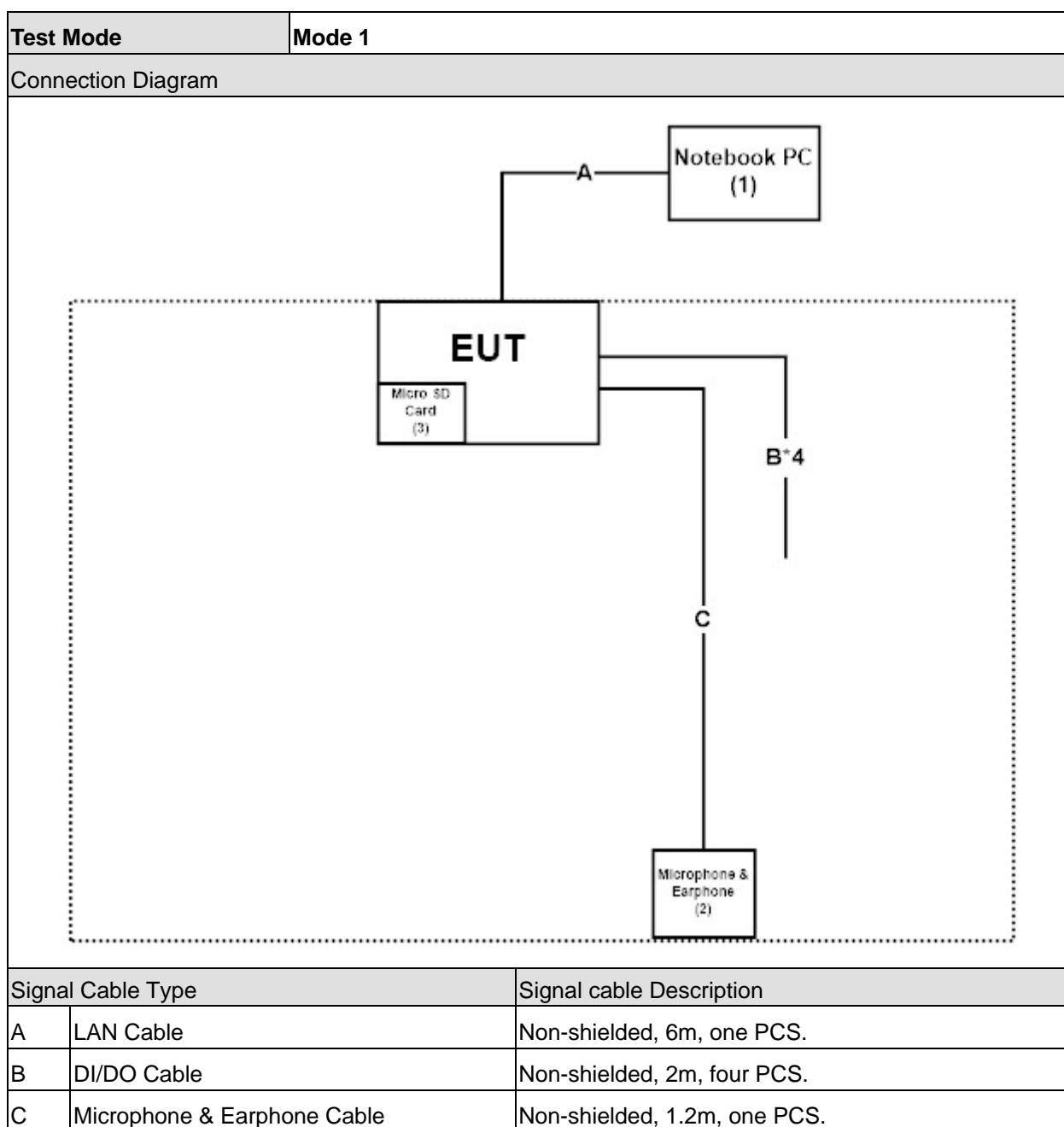
### 1.3. Tested System Details

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

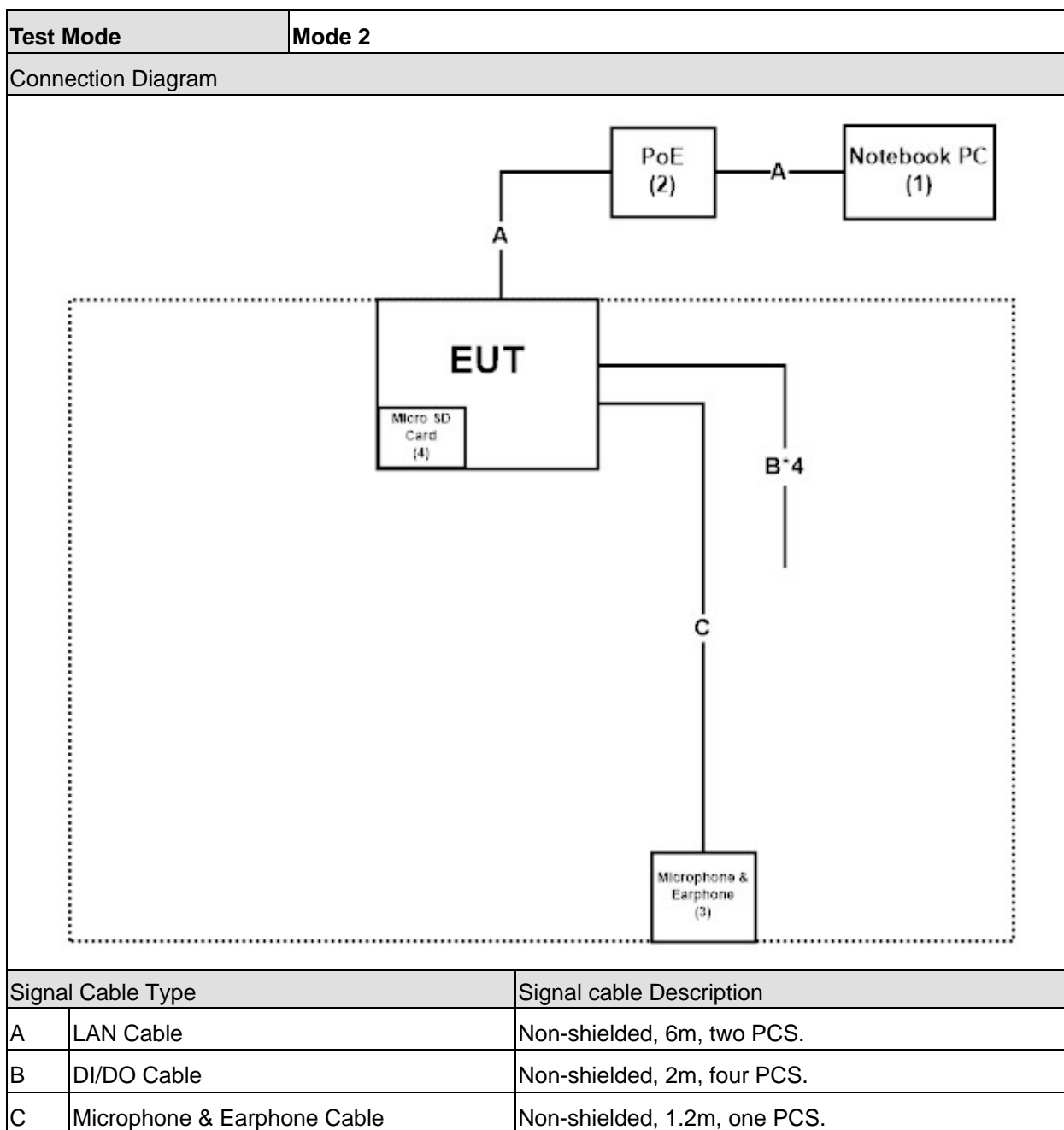
Test Mode		Mode 1			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 0.8m
2	Microphone & Earphone	RONEVER	MOE240	N/A	N/A
3	Micro SD Card 1GB	SanDisk	N/A	0801002841D2N	N/A

Test Mode		Mode 2			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 0.8m
2	PoE	E-ON	INX-80IUG-95SP	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







### 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	VCCI CISPR 32: 2016-11 Class A	Yes	No
Impedance Stabilization Network	VCCI CISPR 32: 2016-11 Class A	Yes	No
Radiated Emission	VCCI CISPR 32: 2016-11 Class A	Yes	No

## 2.2. List of Test Equipment

### Conducted Emission / SR8

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESR3	101973	2019/11/12
LISN	R&S	ENV216	100097	2020/03/18
LISN	R&S	ESH3-Z5	836679/017	2020/03/03
Coaxial Cable	DEKRA	RG 400	LC018-RG	2020/06/19
All equipments that need to calibrate are with calibration period of 1 years.				

### Impedance Stabilization Network / SR8

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESR3	101973	2019/11/12
LISN	R&S	ENV216	100097	2020/03/18
LISN	R&S	ESH3-Z5	836679/017	2020/03/03
Coaxial Cable	DEKRA	RG 400	LC018-RG	2020/06/19
Impedance Stabilization Network	Teseq	ISN T800	42815	2019/08/12
Impedance Stabilization Network	Teseq	ISN ST08	33998	2019/10/28
Impedance Stabilization Network	Teseq	ISN T8-Cat6	29669	2019/10/28
All equipments that need to calibrate are with calibration period of 1 years.				

### Radiated Emission / Site7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2922	2019/09/03
EMI Test Receiver	R&S	ESCI	100649	2019/07/29
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
All equipments that need to calibrate are with calibration period of 1 years.				

### Radiated Emission / CB8

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESR26	101385	2019/08/08
Horn Antenna	ETS-Lindgren	3117	00135205	2020/05/05
Pre-Amplifier	EMCI	EMC012630SE	980210	2020/04/20
CB8 VSWR	DEKRA	N/A	N/A	2019/06/25
All equipments that need to calibrate are with calibration period of 1 years.				

### VCCI Test Site:

Test Item	Test Site	VCCI No.
Conducted Emission	SR8	C-13723
Conducted Emission (Telecommunication Port)	SR8	T-11887
Radiated Emission	Site 7	R-3748
Radiated Emission (Above 1GHz)	CB8(9x6x6_Chamber)	G-10947

## **2.3. Measurement Uncertainty**

### Conducted Emission

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

### Impedance Stabilization Network

The measurement uncertainty is evaluated as  $\pm 3.88$  dB.

### Radiated Emission(Under 1GHz)

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

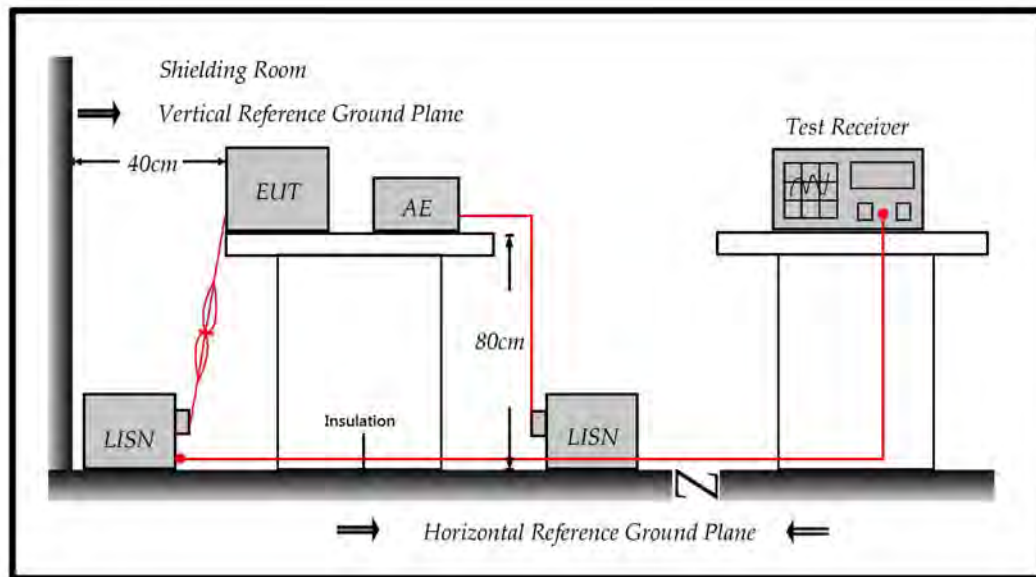
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Impedance Stabilization Network	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

### 3. Conducted Emission

#### 3.1. Test Specification

According to EMC Standard: VCCI CISPR 32

#### 3.2. Test Setup



#### 3.3. Limit

Applicable to AC mains power ports			
Frequency range MHz	Coupling device	Detector type/ Bandwidth	Class A limits dB(μV)
0.15 – 0.5	AMN	Quasi Peak / 9 kHz	79
0.5 – 30			73
0.15 – 0.5	AMN	Average / 9 kHz	66
0.5 – 30			60
Both apply across the entire frequency range.			

Remarks:

If the limits for the average detector are met when using the quasi-peak detector, then the limits for the measurement with the average detector are considered to be met.

### **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 according to VCCI on conducted measurement.

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

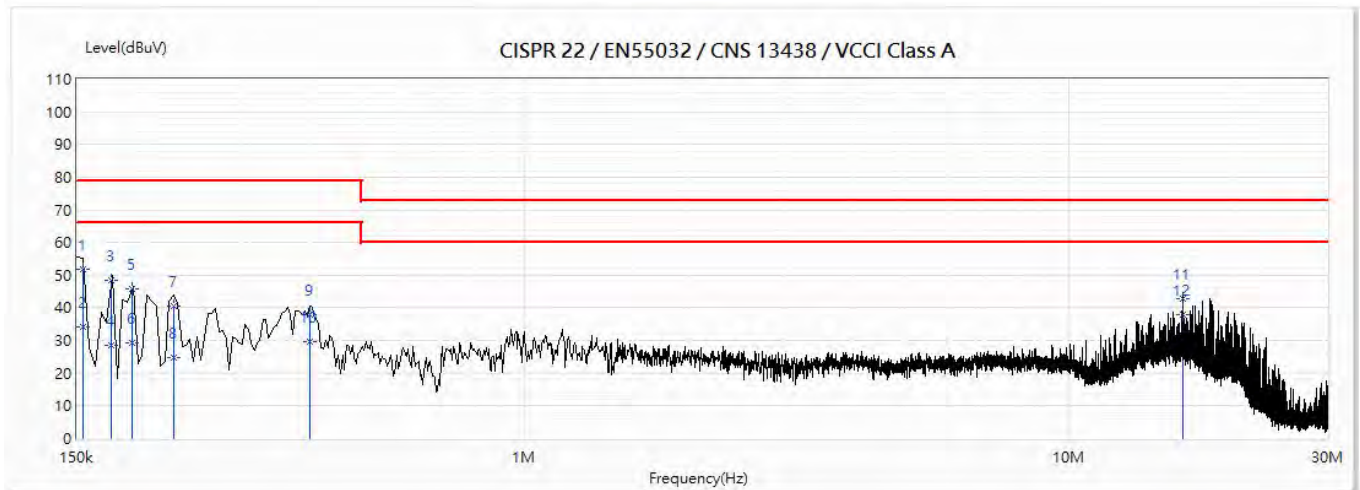
### **3.5. Deviation from Test Standard**

No deviation.



### 3.6. Test Result

Model No	FE9382-EHV-v2	Site	SR8
Test Voltage	AC 100V/50Hz	Test Date	2020/5/29
Test Mode	Mode 1	Engineer	Willy
Phase	L1	Temperature (°C)	23.1
Test Condition	--	Humidity (%RH)	51

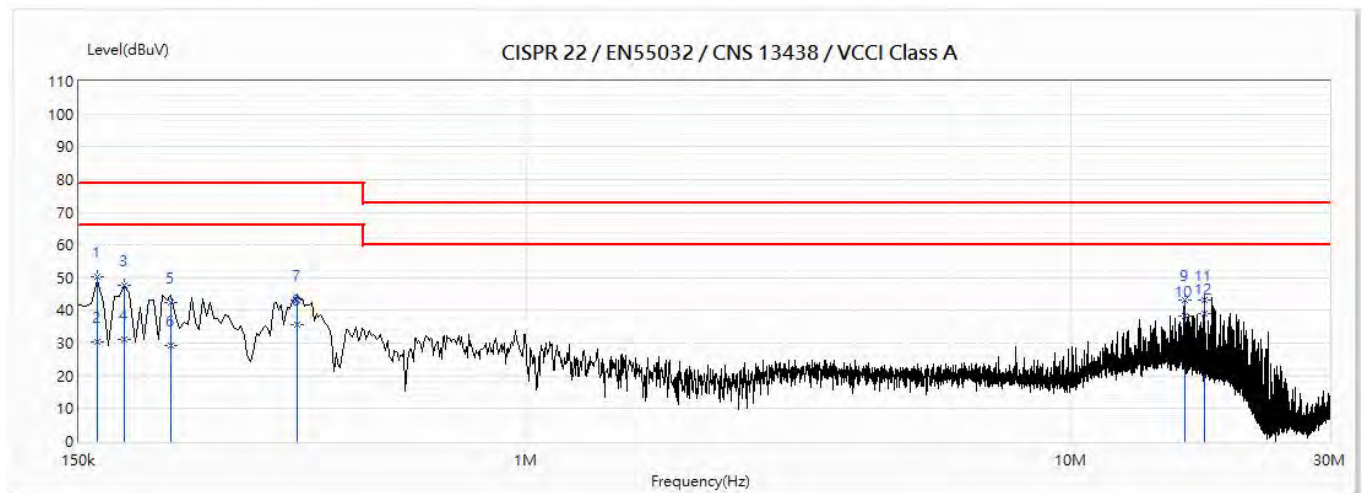


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.154	51.67	79.00	-27.33	41.87	9.80	QP
2	0.154	34.32	66.00	-31.68	24.52	9.80	AV
3	0.174	48.38	79.00	-30.62	38.58	9.80	QP
4	0.174	28.49	66.00	-37.51	18.69	9.80	AV
5	0.19	45.95	79.00	-33.05	36.16	9.79	QP
6	0.19	29.11	66.00	-36.89	19.32	9.79	AV
7	0.226	40.49	79.00	-38.51	30.70	9.79	QP
8	0.226	24.82	66.00	-41.18	15.03	9.79	AV
9	0.402	38.07	79.00	-40.93	28.28	9.79	QP
10	0.402	29.78	66.00	-36.22	19.99	9.79	AV
11	16.228	42.83	73.00	-30.17	32.64	10.20	QP
*12	16.228	37.83	60.00	-22.17	27.64	10.20	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	FE9382-EHV-v2	Site	SR8
Test Voltage	AC 100V/50Hz	Test Date	2020/5/29
Test Mode	Mode 1	Engineer	Willy
Phase	N	Temperature (°C)	23.1
Test Condition		Humidity (%RH)	51



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.162	50.13	79.00	-28.87	40.35	9.78	QP
2	0.162	30.44	66.00	-35.56	20.66	9.78	AV
3	0.182	47.62	79.00	-31.38	37.85	9.77	QP
4	0.182	31.28	66.00	-34.72	21.51	9.77	AV
5	0.222	42.56	79.00	-36.44	32.79	9.77	QP
6	0.222	29.38	66.00	-36.62	19.61	9.77	AV
7	0.378	43.34	79.00	-35.66	33.56	9.78	QP
8	0.378	35.54	66.00	-30.46	25.76	9.78	AV
9	16.228	43.20	73.00	-29.80	32.91	10.29	QP
10	16.228	38.26	60.00	-21.74	27.97	10.29	AV
11	17.692	43.15	73.00	-29.85	32.82	10.33	QP
*12	17.692	38.99	60.00	-21.01	28.66	10.33	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

### 3.7. Test Photograph

Test Mode : Mode 1: DC 12V

Description : Front View of Conducted Test



Test Mode : Mode 1: DC 12V

Description : Back View of Conducted Test

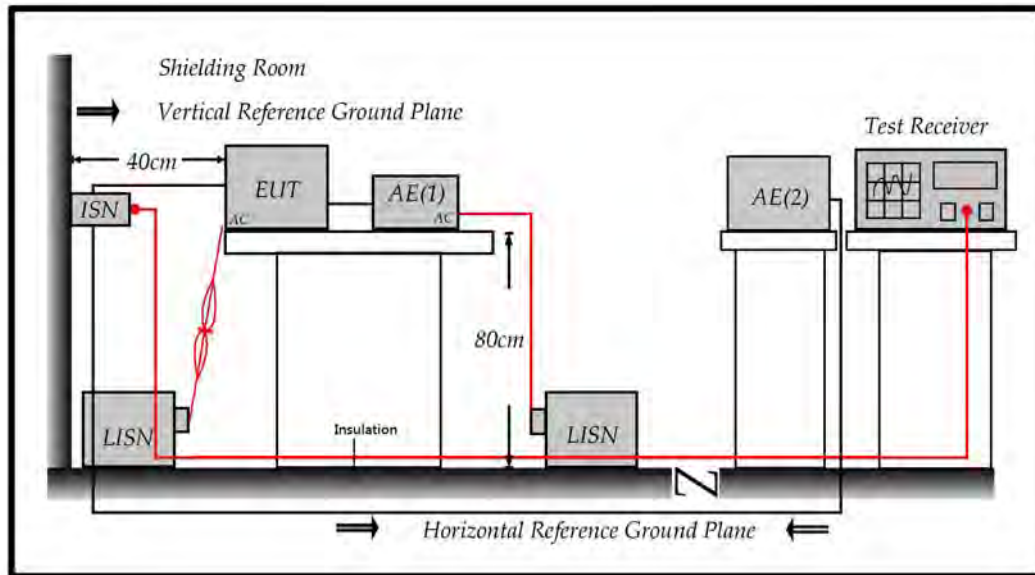


## 4. Conducted Emissions (Telecommunication Ports)

### 4.1. Test Specification

According to EMC Standard: VCCI CISPR 32

### 4.2. Test Setup



### 4.3. Limit

Applicable to				
1. wired network ports				
2. optical fibre port with metallic shield or tension members				
3. antenna ports				
Frequency range MHz	Coupling device	Detector type / Bandwidth	Class A voltage limits dB(μV)	Class A current limits dB(μA)
0.15 – 0.5	AAN	Quasi Peak / 9 kHz	97 – 87	N / A
0.5 – 30			87	
0.15 – 0.5	AAN	Average / 9 kHz	84 – 74	
0.5 – 30			74	
0.15 – 0.5	CVP And current probe	Quasi Peak / 9 kHz	97 – 87	53 – 43
0.5 – 30			87	43
0.15 – 0.5	CVP And current probe	Average / 9 kHz	84 – 74	40 – 30
0.5 – 30			74	30
0.15 – 0.5	Current Probe	Quasi Peak / 9 kHz	N / A	53 – 43
0.5 – 30				43
0.15 – 0.5	Current Probe	Average / 9 kHz		40 – 30
0.5 – 30				30
The choice of coupling device and measurement procedure is defined in Annex C.				
AC mains ports that also have the function of a wired network port shall meet the limits given in Table A.9.				
The measurement shall cover the entire frequency range.				
The application of the voltage and/or current limits is dependent on the measurement procedure used. Refer to Table C.1 of CISPR 32 for applicability.				
Testing is required at only one EUT supply voltage and frequency.				
Applicable to ports listed above and intended to connect to cables longer than 3 m.				

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

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

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

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

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

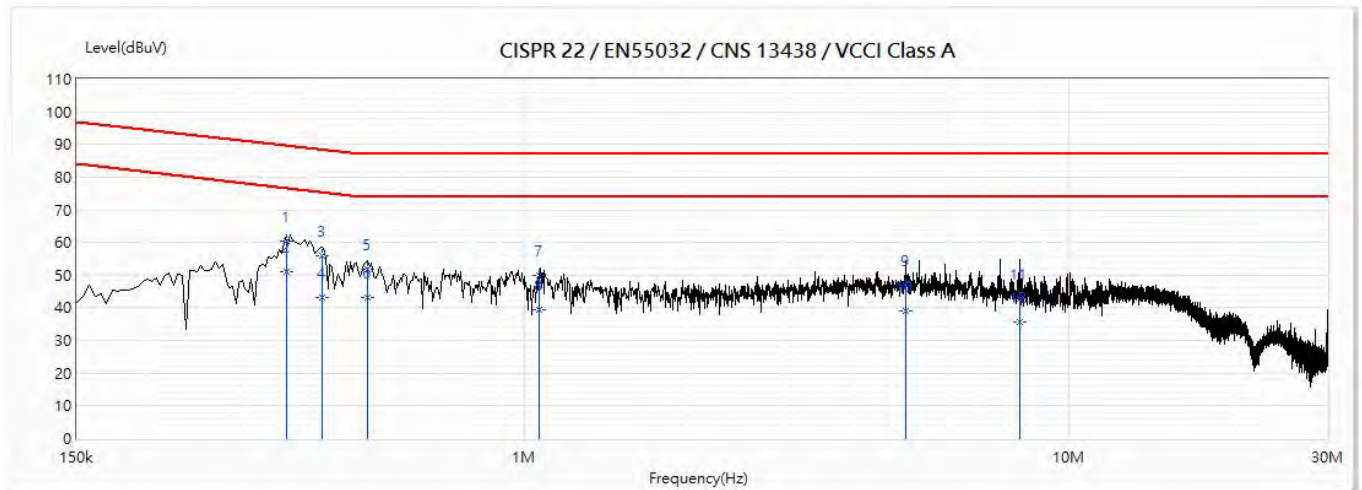
#### **4.5. Deviation from Test Standard**

No deviation.



#### 4.6. Test Result

Model No	FE9382-EHV-v2	Site	SR8
Test Voltage	AC 100V/50Hz	Test Date	2020/5/29
Test Mode	Mode 1	Engineer	Willy
Phase	L1	Temperature (°C)	23.1
Test Condition	10M	Humidity (%RH)	51

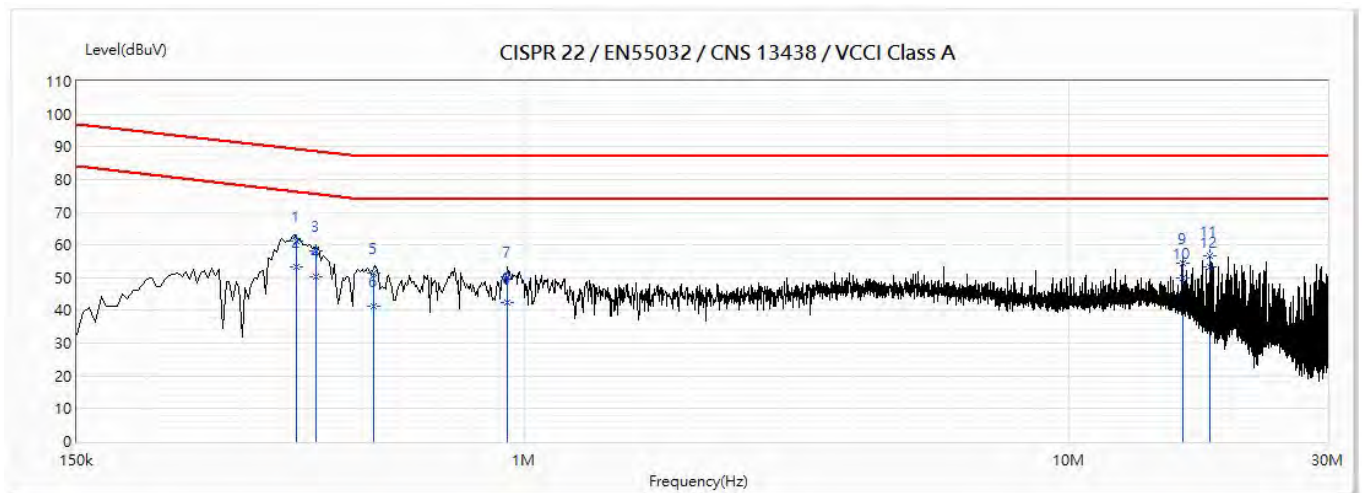


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.365	60.39	89.61	-29.22	50.49	9.90	QP
*2	0.365	50.99	76.61	-25.62	41.09	9.90	AV
3	0.424	55.84	88.37	-32.53	45.97	9.87	QP
4	0.424	43.20	75.37	-32.17	33.33	9.87	AV
5	0.515	51.97	87.00	-35.03	42.14	9.83	QP
6	0.515	43.02	74.00	-30.98	33.19	9.83	AV
7	1.063	49.91	87.00	-37.09	40.14	9.77	QP
8	1.063	39.39	74.00	-34.61	29.62	9.77	AV
9	5.02	47.10	87.00	-39.90	37.32	9.78	QP
10	5.02	39.02	74.00	-34.98	29.24	9.78	AV
11	8.154	42.86	87.00	-44.14	33.03	9.83	QP
12	8.154	35.73	74.00	-38.27	25.90	9.83	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	FE9382-EHV-v2	Site	SR8
Test Voltage	AC 100V/50Hz	Test Date	2020/5/29
Test Mode	Mode 1	Engineer	Willy
Phase	L1	Temperature (°C)	23.1
Test Condition	100M	Humidity (%RH)	51



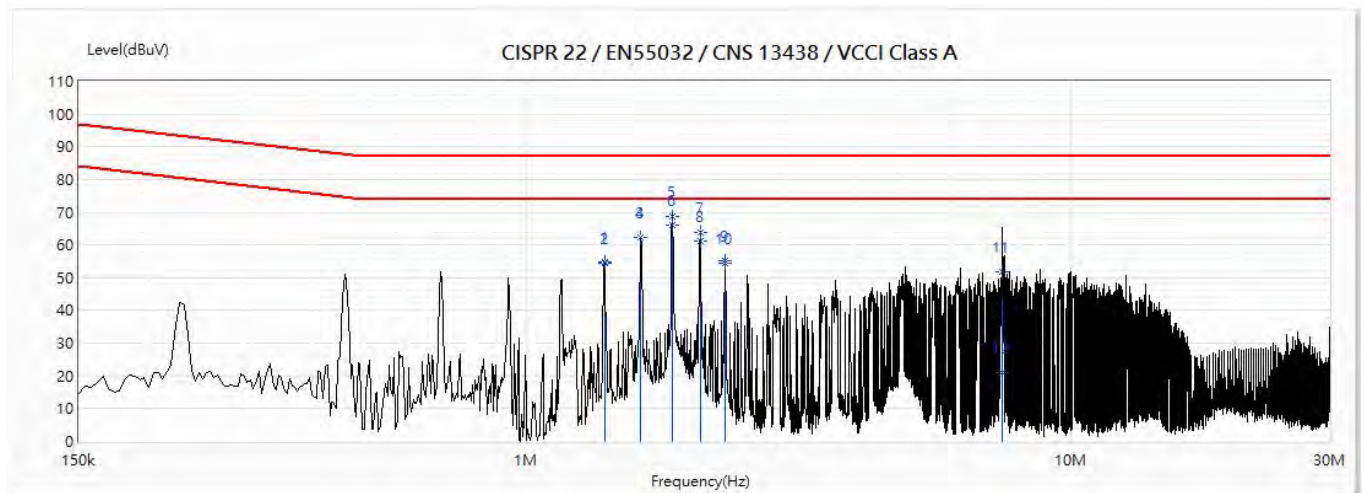
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.379	61.08	89.30	-28.22	51.19	9.89	QP
2	0.379	53.15	76.30	-23.15	43.26	9.89	AV
3	0.413	58.17	88.58	-30.41	48.30	9.87	QP
4	0.413	50.26	75.58	-25.32	40.39	9.87	AV
5	0.526	51.46	87.00	-35.54	41.63	9.82	QP
6	0.526	41.46	74.00	-32.54	31.63	9.82	AV
7	0.93	50.36	87.00	-36.64	40.59	9.78	QP
8	0.93	42.28	74.00	-31.72	32.51	9.78	AV
9	16.228	54.36	87.00	-32.64	44.33	10.03	QP
10	16.228	49.95	74.00	-24.05	39.92	10.03	AV
11	18.243	56.82	87.00	-30.18	46.74	10.08	QP
*12	18.243	53.44	74.00	-20.56	43.36	10.08	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	FE9382-EHV-v2	Site	SR8
Test Voltage	PoE	Test Date	2020/5/29
Test Mode	Mode 2	Engineer	Willy
Phase	L1	Temperature (°C)	23.1
Test Condition	10M	Humidity (%RH)	51

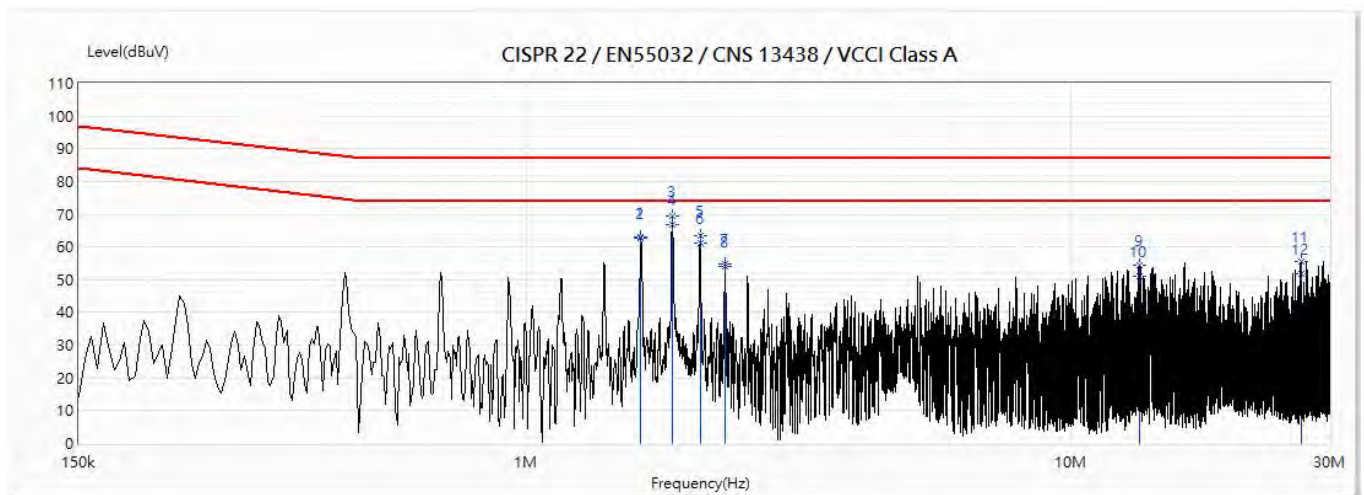


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	1.39	54.74	87.00	-32.26	44.98	9.77	QP
2	1.39	54.59	74.00	-19.41	44.83	9.77	AV
3	1.622	62.42	87.00	-24.58	52.66	9.75	QP
4	1.622	62.18	74.00	-11.82	52.42	9.75	AV
5	1.853	68.66	87.00	-18.34	58.91	9.75	QP
*6	1.853	65.93	74.00	-8.07	56.18	9.75	AV
7	2.084	63.78	87.00	-23.22	54.03	9.75	QP
8	2.084	61.35	74.00	-12.65	51.60	9.75	AV
9	2.316	55.23	87.00	-31.77	45.48	9.75	QP
10	2.316	54.54	74.00	-19.46	44.79	9.75	AV
11	7.5	51.69	87.00	-35.31	41.87	9.82	QP
12	7.5	21.00	74.00	-53.00	11.18	9.82	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	FE9382-EHV-v2	Site	SR8
Test Voltage	PoE	Test Date	2020/5/29
Test Mode	Mode 2	Engineer	Willy
Phase	L1	Temperature (°C)	23.1
Test Condition	100M	Humidity (%RH)	51



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	1.621	62.98	87.00	-24.02	53.22	9.75	QP
2	1.621	62.78	74.00	-11.22	53.02	9.75	AV
3	1.853	69.53	87.00	-17.47	59.78	9.75	QP
*4	1.853	66.83	74.00	-7.17	57.08	9.75	AV
5	2.084	63.53	87.00	-23.47	53.78	9.75	QP
6	2.084	61.28	74.00	-12.72	51.53	9.75	AV
7	2.316	54.90	87.00	-32.10	45.16	9.75	QP
8	2.316	54.22	74.00	-19.78	44.47	9.75	AV
9	13.419	54.34	87.00	-32.66	44.38	9.96	QP
10	13.419	50.88	74.00	-23.12	40.92	9.96	AV
11	26.609	55.69	87.00	-31.31	45.34	10.36	QP
12	26.609	51.95	74.00	-22.05	41.60	10.36	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

#### 4.7. Test Photograph

Test Mode : Mode 1: DC 12V

Description : Front View of ISN Test



Test Mode : Mode 1: DC 12V

Description : Back View of ISN Test



Test Mode : Mode 2: PoE Mode

Description : Front View of ISN Test



Test Mode : Mode 2: PoE Mode

Description : Back View of ISN Test





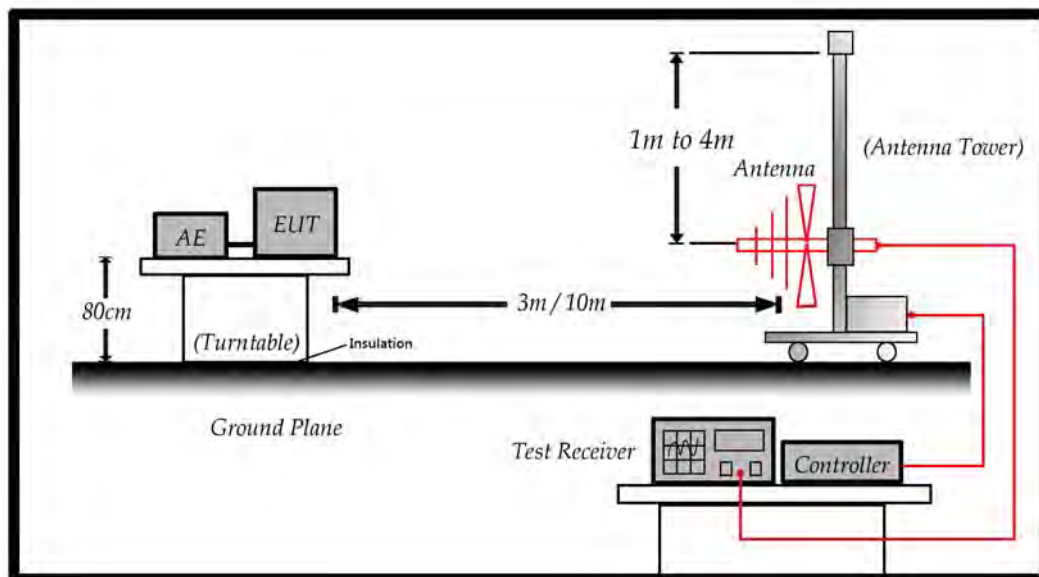
## 5. Radiated Emission

### 5.1. Test Specification

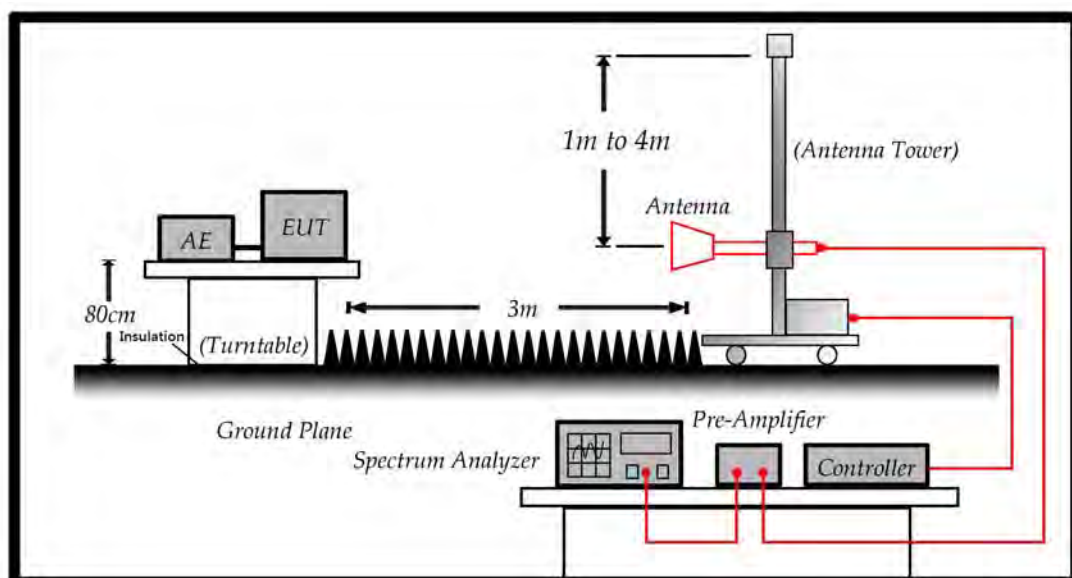
According to EMC Standard: VCCI CISPR 32

### 5.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



### 5.3. Limit

Radiated emissions at frequencies up to 1 GHz

for Class A equipment

Frequency range MHz	Measurement		Class A limits dB(μV/m)
	Distance m	Detector type/ Bandwidth	OATS / SAC
30 - 230	10	Quasi Peak / 120 kHz	40
230 - 1000			47
30 - 230	3		50
230 - 1000			57
Apply only 3m or 10m across the entire frequency range			

Radiated emissions at frequencies above 1 GHz

for Class A equipment

Frequency range MHz	Measurement		Class A limits dB(μV/m)
	Distance m	Detector type/ Bandwidth	OATS / SAC
1000 - 3000	3	Average / 1 MHz	56
3000 - 6000			60
1000 - 3000		Peak / 1 MHz	76
3000 - 6000			80
Both apply across the frequency range from 1000 MHz to the highest required frequency of measurement derived from			

Required highest frequency for radiated measurement

Highest internal frequency ( $F_x$ )	Highest measured frequency
$F_x \leq 108 \text{ MHz}$	1 GHz
$108 \text{ MHz} < F_x \leq 500 \text{ MHz}$	2 GHz
$500 \text{ MHz} < F_x \leq 1 \text{ GHz}$	5 GHz
$F_x > 1 \text{ GHz}$	$5 \times F_x$ up to a maximum of 6 GHz
NOTE 1 For FM and TV broadcast receivers, $F_x$ is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies.	
NOTE 2 $F_x$ is defined in 3.1.19.	

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

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 10 meters. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

All cable leaving the table-top EUT for a connection outside the test site (for example, mains cable, telephone lines, connections to auxiliary equipment located outside the test area) shall be fitted with ferrite clamps placed on the floor at the point where the cable reached the floor. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to VCCI on radiated measurement.

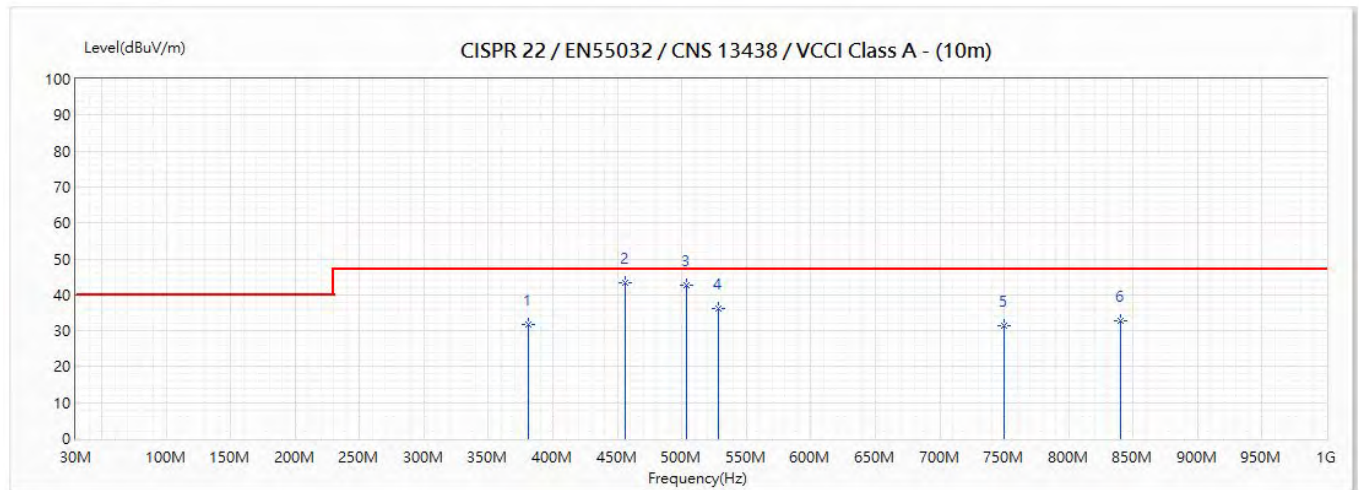
Radiated emissions were investigated over the frequency range from 30MHz to 1GHz using a receiver bandwidth of 120kHz. Radiated was performed at an antenna to EUT distance of 10 meters.

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

No deviation.

## 5.6. Test Result

Model No	FE9382-EHV-v2	Site	SITE7
Test Voltage	AC 100V/50Hz	Test Date	2020/6/1
Test Mode	Mode 1	Engineer	Sampras
Polarity	Horizontal	Temperature (°C)	26.4
Test Condition	--	Humidity (%RH)	69



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	380.9	31.65	47.00	-15.35	37.80	-6.15	265	-54	QP
* 2	456	43.19	47.00	-3.81	46.80	-3.61	200	-141	QP
3	504	42.67	47.00	-4.33	45.30	-2.63	195	-119	QP
4	528	36.32	47.00	-10.68	38.40	-2.08	195	-122	QP
5	750	31.26	47.00	-15.74	29.39	1.87	132	23	QP
6	840	32.75	47.00	-14.25	29.71	3.04	110	-45	QP

Remark:

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

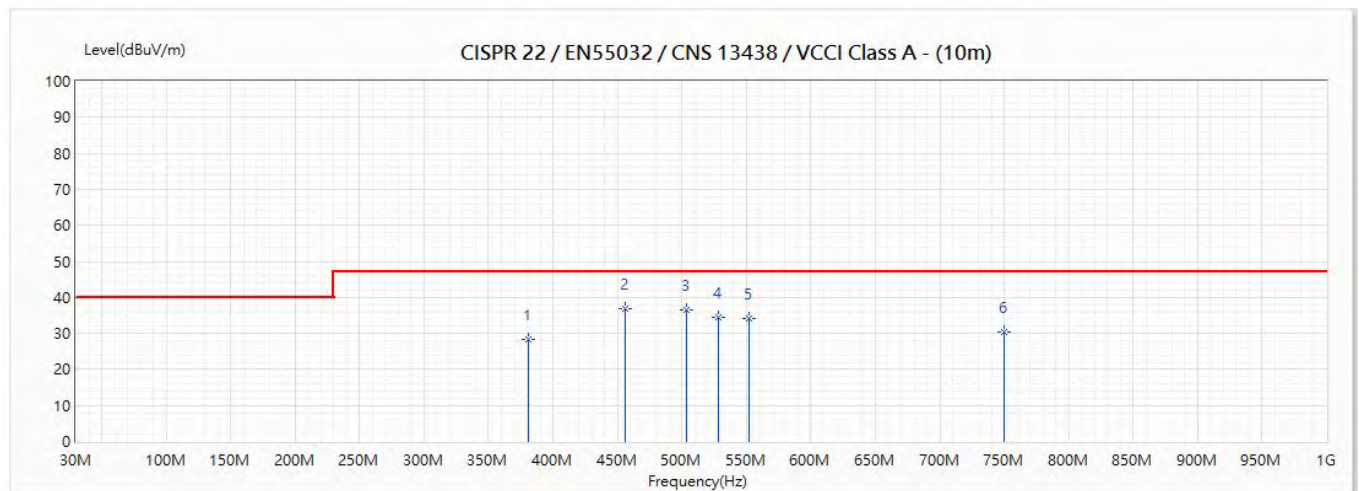
"!" means this data is over limit.

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

3. Margin= Emission Level - Limit.



Model No	FE9382-EHV-v2	Site	SITE7
Test Voltage	AC 100V/50Hz	Test Date	2020/6/1
Test Mode	Mode 1	Engineer	Sampras
Polarity	Vertical	Temperature (°C)	26.4
Test Condition	--	Humidity (%RH)	69



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	380.9	28.35	47.00	-18.65	34.50	-6.15	100	32	QP
* 2	456	36.79	47.00	-10.21	40.40	-3.61	295	36	QP
3	504	36.37	47.00	-10.63	39.00	-2.63	310	-140	QP
4	528	34.42	47.00	-12.58	36.50	-2.08	315	-48	QP
5	552	34.09	47.00	-12.91	34.80	-0.71	320	19	QP
6	750	30.36	47.00	-16.64	28.49	1.87	235	-45	QP

Remark:

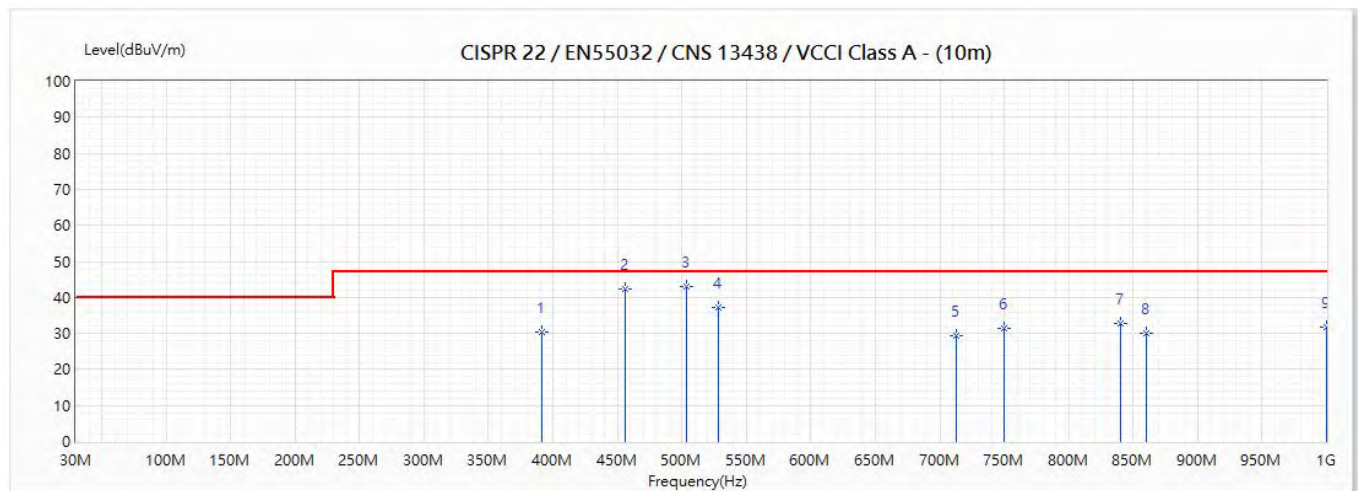
1. "\*" means this data is the worst emission level;

"!" 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	FE9382-EHV-v2	Site	SITE7
Test Voltage	PoE	Test Date	2020/6/1
Test Mode	Mode 2	Engineer	Sampras
Polarity	Horizontal	Temperature (°C)	26.4
Test Condition	--	Humidity (%RH)	69



## Remark:

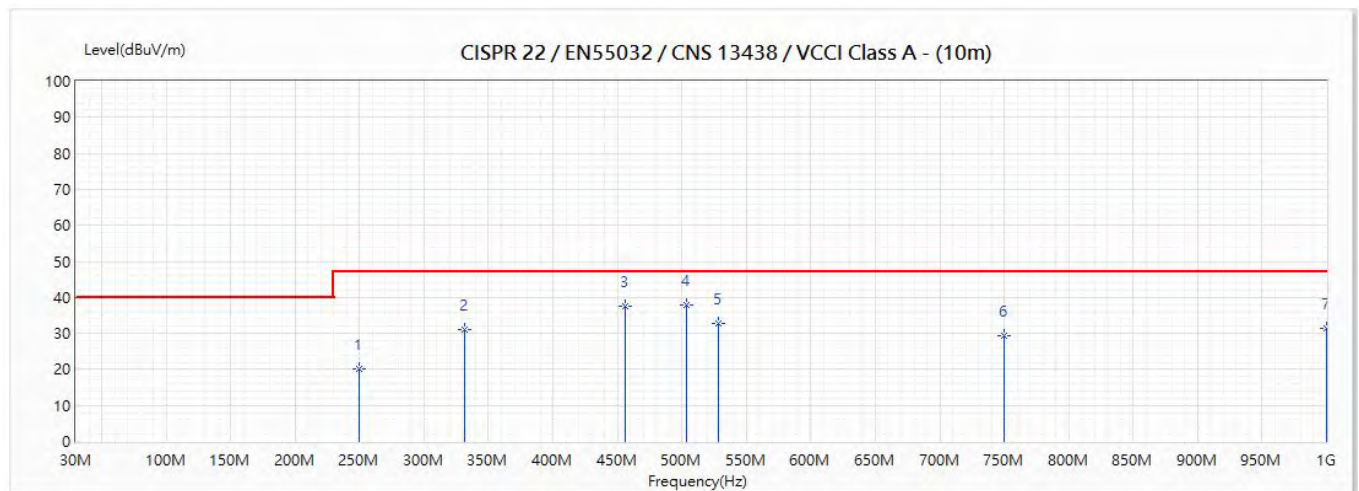
1. "\*" means this data is the worst emission level;

"!" 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	FE9382-EHV-v2	Site	SITE7
Test Voltage	PoE	Test Date	2020/6/1
Test Mode	Mode 2	Engineer	Sampras
Polarity	Vertical	Temperature (°C)	26.4
Test Condition	--	Humidity (%RH)	69



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	250	19.99	47.00	-27.01	30.00	-10.01	100	-47	QP
2	331.76	30.91	47.00	-16.09	38.59	-7.68	100	14	QP
3	456	37.59	47.00	-9.41	41.20	-3.61	325	39	QP
* 4	504	37.97	47.00	-9.03	40.60	-2.63	350	-48	QP
5	528	32.72	47.00	-14.28	34.80	-2.08	320	-47	QP
6	750	29.36	47.00	-17.64	27.49	1.87	235	-58	QP
7	1000	31.26	47.00	-15.74	26.40	4.86	190	-48	QP

## Remark:

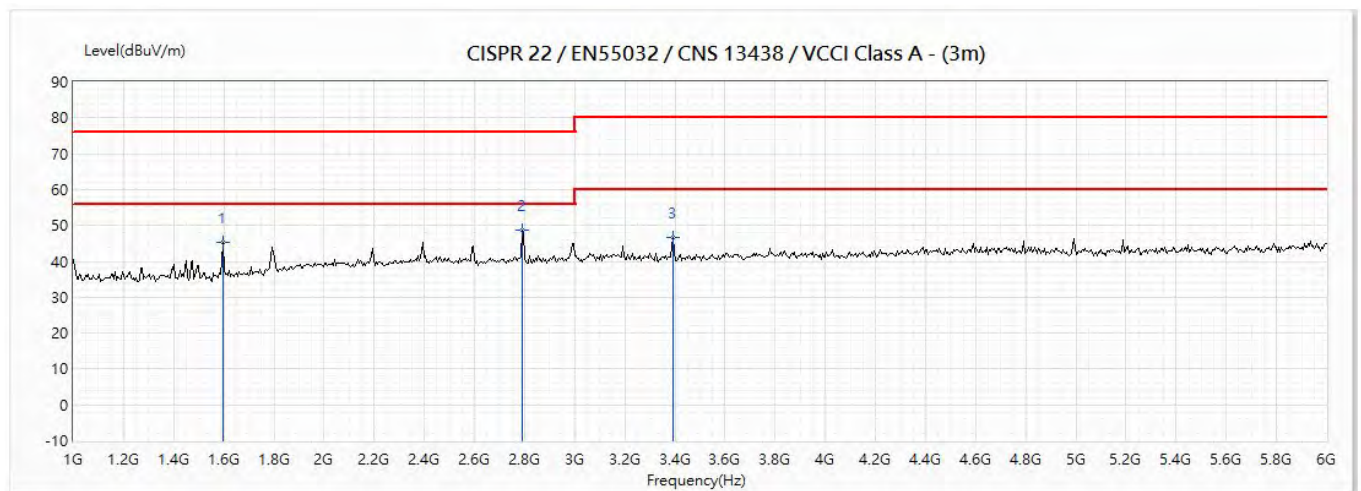
1. "\*" means this data is the worst emission level;

"!" 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	FE9382-EHV-v2	Site	CB8
Test Voltage	AC 100V/50Hz	Test Date	2020/6/5
Test Mode	Mode 1	Engineer	Nilk.chen
Polarity	Horizontal	Temperature (°C)	22.7
Test Condition	--	Humidity (%RH)	64

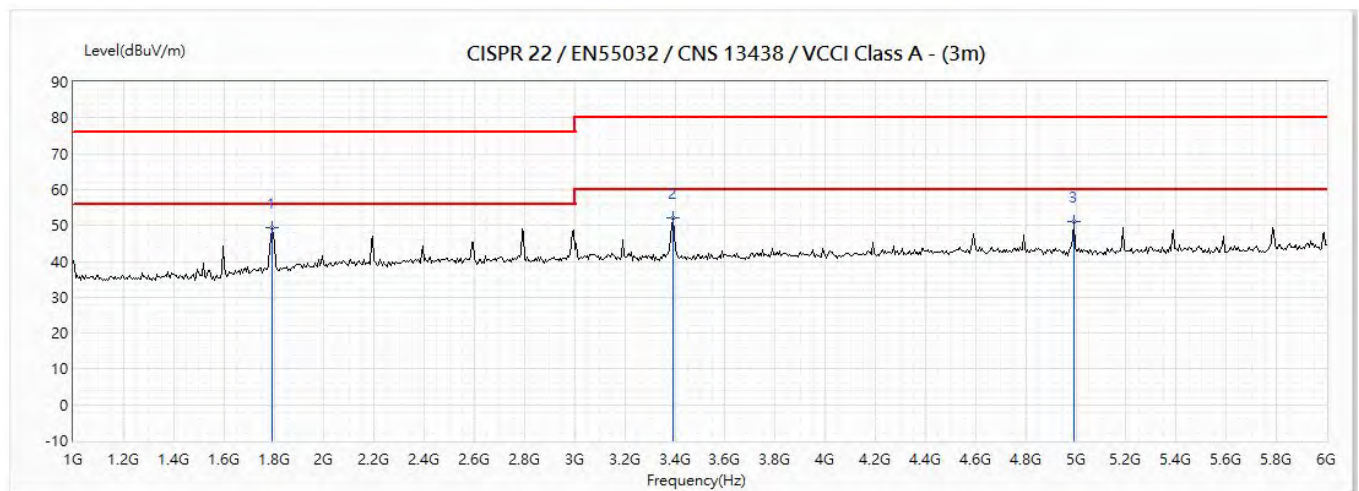


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1595	45.25	76.00	-30.75	49.33	-4.08	100	179	PK
* 2	2790	48.65	76.00	-27.35	46.05	2.60	100	34	PK
3	3390	46.63	80.00	-33.37	43.01	3.62	100	-67	PK

## 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.

Model No	FE9382-EHV-v2	Site	CB8
Test Voltage	AC 100V/50Hz	Test Date	2020/6/5
Test Mode	Mode 1	Engineer	Nilk.chen
Polarity	Vertical	Temperature (°C)	22.7
Test Condition	--	Humidity (%RH)	64



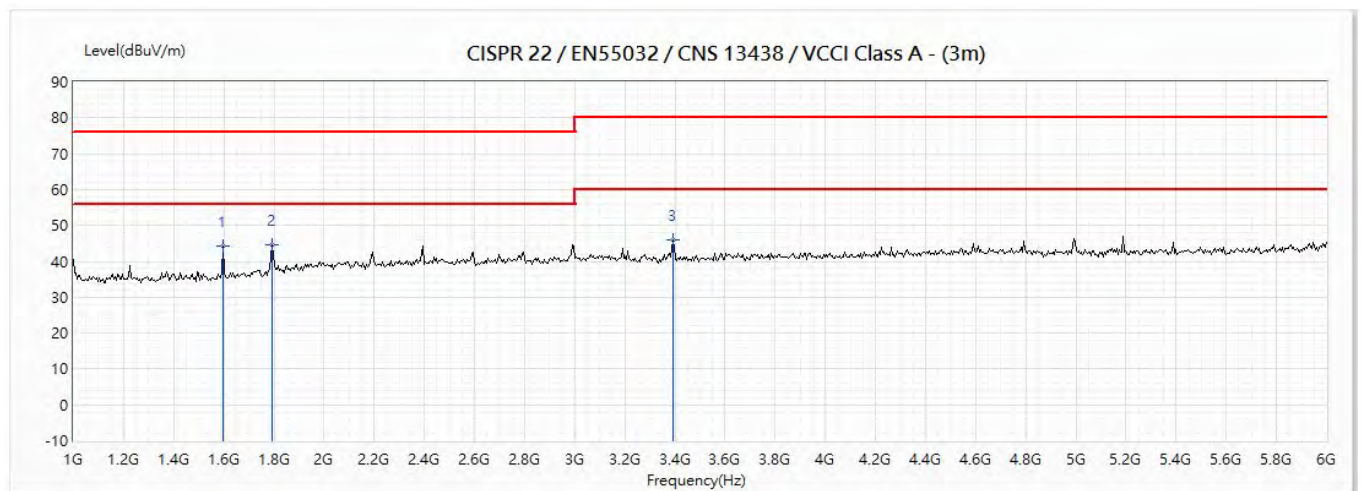
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
* 1	1795	49.35	76.00	-26.65	51.12	-1.77	100	39	PK
2	3390	52.00	80.00	-28.00	48.38	3.62	100	-77	PK
3	4990	51.13	80.00	-28.87	44.09	7.04	100	-151	PK

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.



Model No	FE9382-EHV-v2	Site	CB8
Test Voltage	PoE	Test Date	2020/6/5
Test Mode	Mode 2	Engineer	Nilk.chen
Polarity	Horizontal	Temperature (°C)	22.7
Test Condition		Humidity (%RH)	64

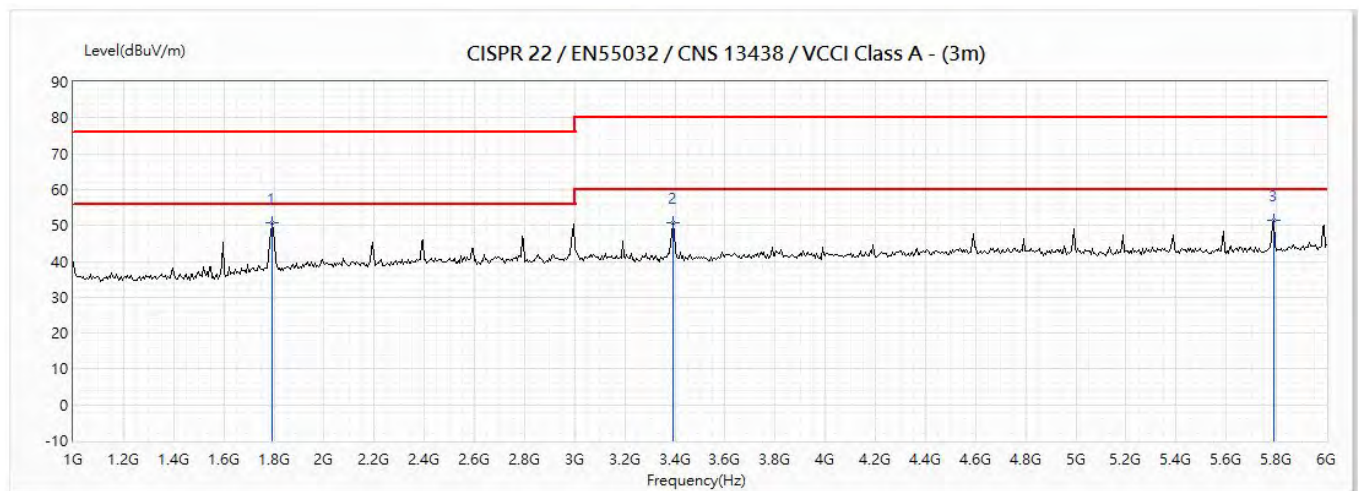


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1595	44.10	76.00	-31.90	48.18	-4.08	100	161	PK
* 2	1795	44.56	76.00	-31.44	46.33	-1.77	100	-93	PK
3	3390	45.87	80.00	-34.13	42.25	3.62	100	-7	PK

#### 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.

Model No	FE9382-EHV-v2	Site	CB8
Test Voltage	PoE	Test Date	2020/6/5
Test Mode	Mode 2	Engineer	Nilk.chen
Polarity	Vertical	Temperature (°C)	22.7
Test Condition	--	Humidity (%RH)	64



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	50.89	76.00	-25.11	52.66	-1.77	100	72	PK
2	3390	50.64	80.00	-29.36	47.02	3.62	100	-132	PK
3	5790	51.54	80.00	-28.46	42.95	8.59	100	48	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.

### 5.7. Test Photograph

Test Mode : Mode 1: DC 12V

Description : Front View of Radiated Test



Test Mode : Mode 1: DC 12V

Description : Back View of Radiated Test





Test Mode : Mode 1: DC 12V

Description : Front View of High Frequency Radiated Test



Test Mode : Mode 2: PoE Mode

Description : Front View of Radiated Test



Test Mode : Mode 2: PoE Mode

Description : Back View of Radiated Test



Test Mode : Mode 2: PoE Mode

Description : Front View of High Frequency Radiated Test





## 6. Attachment

### ➤ EUT Photograph

#### (1) EUT Photo



#### (2) EUT Photo



(3) EUT Photo

