

FCC Test Report

Compliance with Canada Interference-Causing Equipment Standard ICES-003

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-E3012110001

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.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

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.

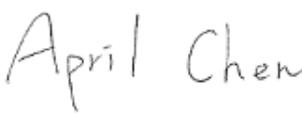
Test Report


Issued Date: 2020/06/29

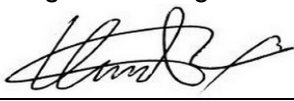
Report No.: 2050438R-E3012110001



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. : FE9382-EHV-v2
EUT Rated Voltage : DC12V, PoE
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:+866-2-8601-3788 / FAX:+886-2-8601-3789

Documented By : 
(Senior Adm. Specialist / April Chen)

Reviewed By : 
(Engineer / Wright Tsai)

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:

Taiwan	:	BSMI, NCC, TAF
Norway	:	DNVGL
USA	:	FCC
Japan	:	VCCI

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

TABLE OF CONTENTS

Description	Page
1. General Information	5
1.1. EUT Description	5
1.2. Mode of Operation	6
1.3. Tested System Details	7
1.4. Configuration of Tested System	8
1.5. EUT Exercise Software.....	10
2. Technical Test	11
2.1. Summary of Test Result	11
2.2. List of Test Equipment	12
2.3. Measurement Uncertainty	13
2.4. Test Environment.....	14
3. Conducted Emission	15
3.1. Test Specification	15
3.2. Test Setup	15
3.3. Limit	15
3.4. Test Procedure	16
3.5. Test Result	17
3.6. Test Photograph	19
4. Radiated Emission	20
4.1. Test Specification	20
4.2. Test Setup	20
4.3. Limit	21
4.4. Test Procedure	22
4.5. Test Result	23
4.6. Test Photograph	31
5. Attachment.....	34
EUT Photograph	34

1. General Information

1.1. EUT Description

Product Name	Network Camera
Trade Name	VIVOTEK
Model No.	FE9382-EHV-v2
EUT Max Frequency	800MHz

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

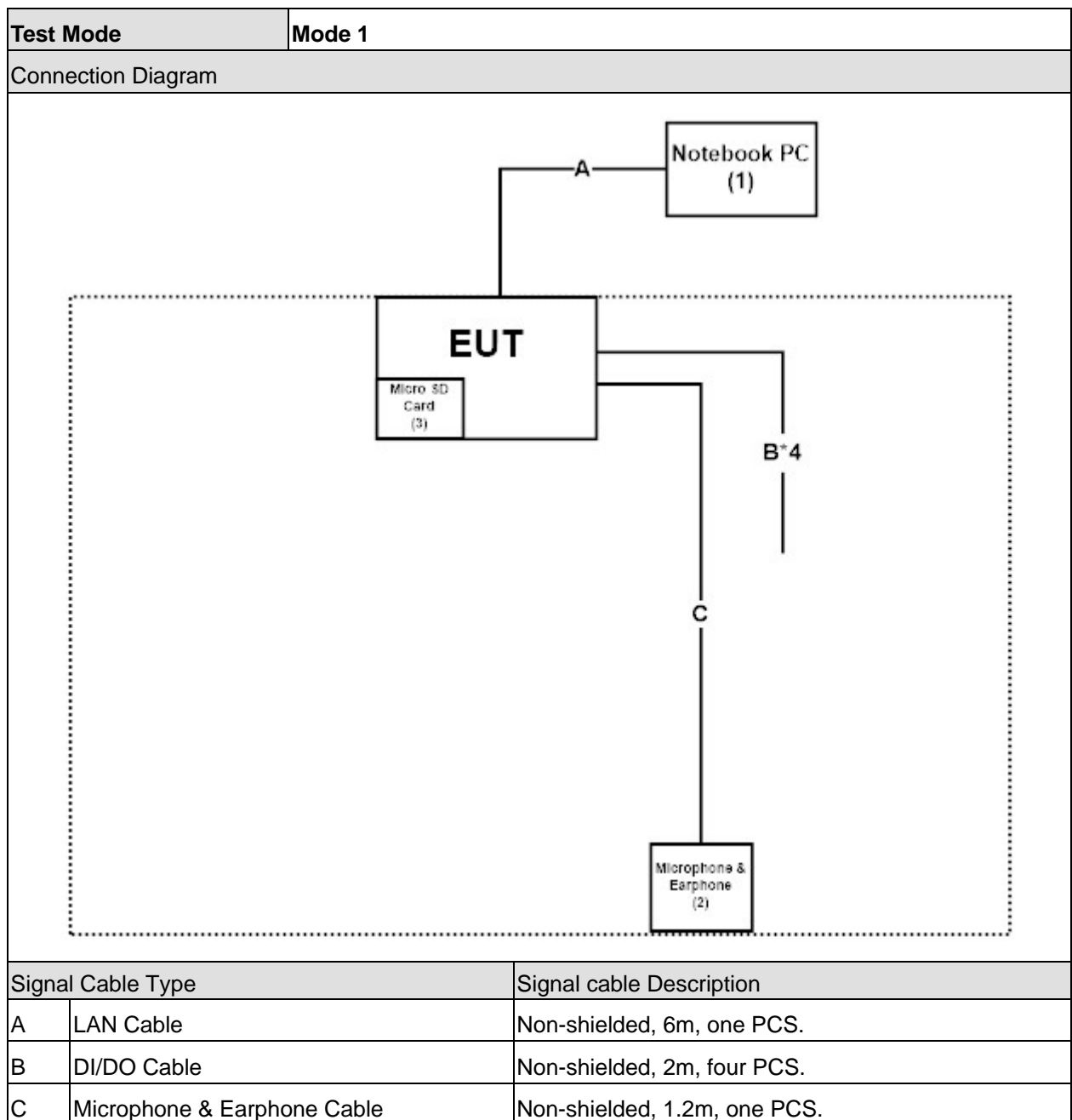
1.3. Tested System Details

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

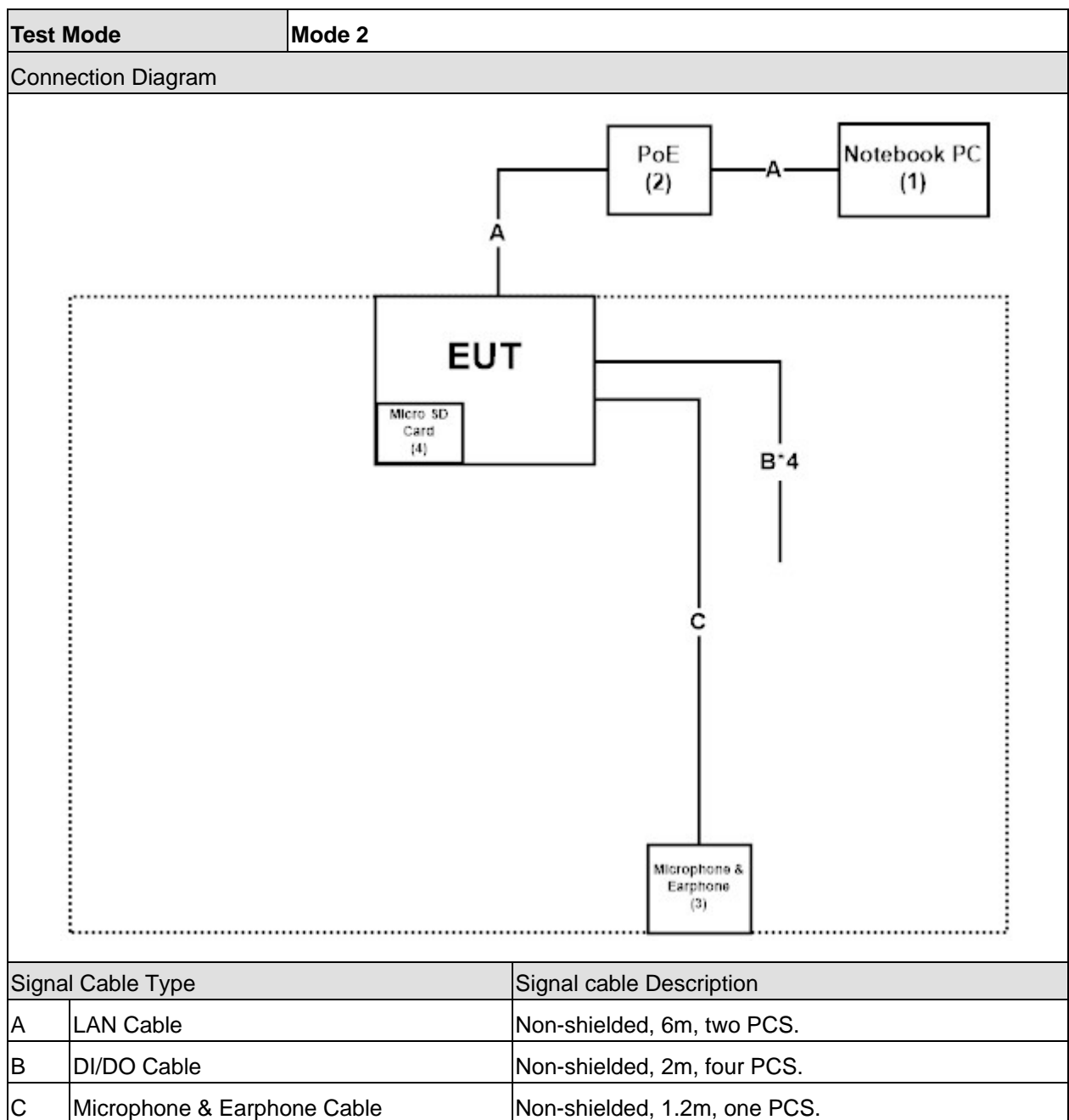
Test Mode		Mode 2			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 0.8m
2	PoE	E-ON	INX-80IUG-95SP	N/A	N/A
3	Microphone & Earphone	RONEVER	MOE240	N/A	N/A
4	Micro SD Card 1GB	SanDisk	N/A	0801002841D2N	N/A

1.4. Configuration of Tested System



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 / 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.				

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	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.				

Note: Test Receiver Detector: Quasipeak Bandwidth: 120kHz

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.				

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 3.44 dB.

Radiated Emission

The measurement uncertainty is evaluated as ± 4.22 dB.

Radiated Emission Above 1GHz

The measurement uncertainty is evaluated as ± 5.08 dB.

2.4. Test Environment

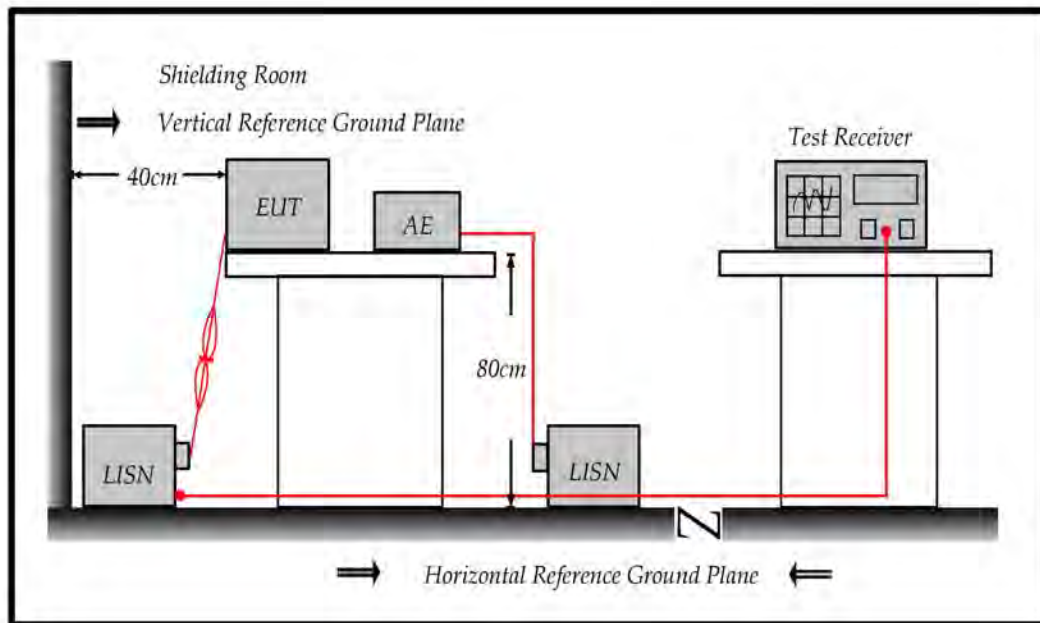
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

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

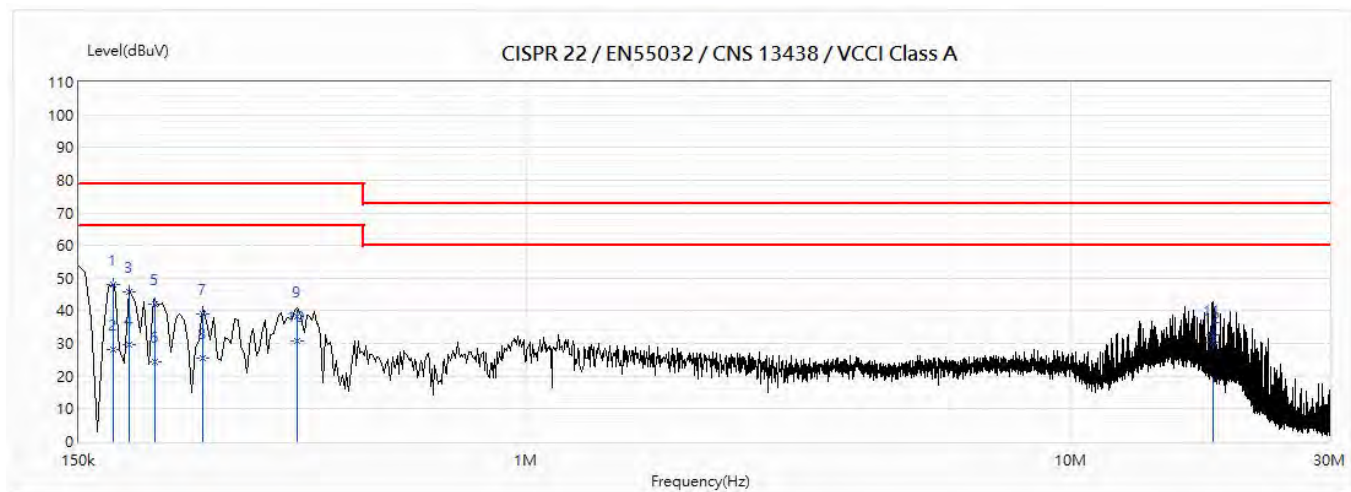
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance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

3.5. Test Result

Model No	FE9382-EHV-v2	Site	SR8
Test Voltage	AC 120V/60Hz	Test Date	2020/5/29
Test Mode	Mode 1	Engineer	Willy
Phase	L1	Temperature (°C)	23.1
Test Condition	--	Humidity (%RH)	51

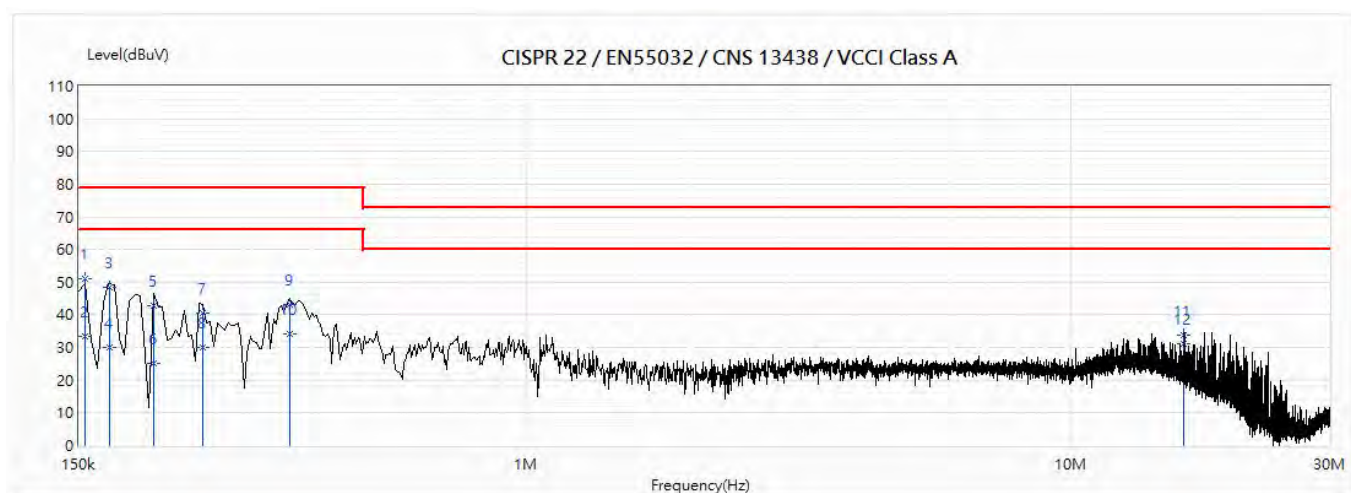


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.174	47.91	79.00	-31.09	38.11	9.80	QP
2	0.174	28.14	66.00	-37.86	18.34	9.80	AV
3	0.186	45.89	79.00	-33.11	36.10	9.79	QP
4	0.186	29.83	66.00	-36.17	20.04	9.79	AV
5	0.206	42.05	79.00	-36.95	32.26	9.79	QP
6	0.206	24.27	66.00	-41.73	14.48	9.79	AV
7	0.254	39.21	79.00	-39.79	29.42	9.79	QP
8	0.254	25.51	66.00	-40.49	15.72	9.79	AV
9	0.378	38.45	79.00	-40.55	28.66	9.79	QP
10	0.378	30.91	66.00	-35.09	21.12	9.79	AV
11	18.304	32.72	73.00	-40.28	22.50	10.23	QP
*12	18.304	30.42	60.00	-29.58	20.20	10.23	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 120V/60Hz	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	0.154	51.06	79.00	-27.94	41.28	9.78	QP
2	0.154	33.35	66.00	-32.65	23.57	9.78	AV
3	0.17	48.32	79.00	-30.68	38.54	9.78	QP
4	0.17	30.06	66.00	-35.94	20.28	9.78	AV
5	0.206	42.83	79.00	-36.17	33.06	9.77	QP
6	0.206	25.23	66.00	-40.77	15.46	9.77	AV
7	0.254	40.51	79.00	-38.49	30.74	9.77	QP
8	0.254	29.87	66.00	-36.13	20.10	9.77	AV
9	0.366	43.22	79.00	-35.78	33.44	9.78	QP
10	0.366	34.13	66.00	-31.87	24.35	9.78	AV
11	16.168	33.95	73.00	-39.05	23.66	10.29	QP
12	16.168	31.34	60.00	-28.66	21.05	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

3.6. 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



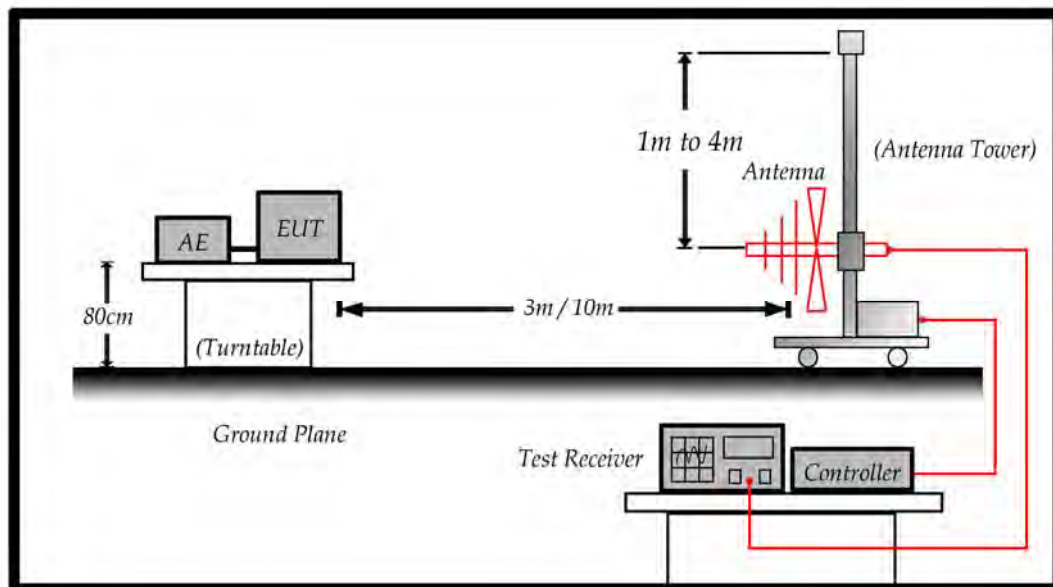
4. Radiated Emission

4.1. Test Specification

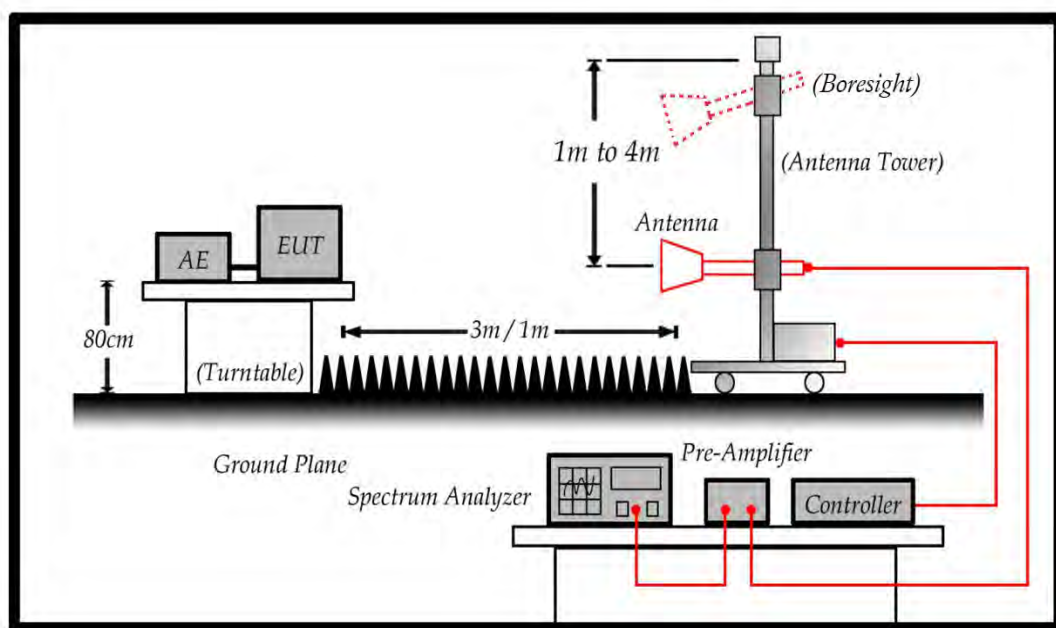
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

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. 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 (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 th 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.

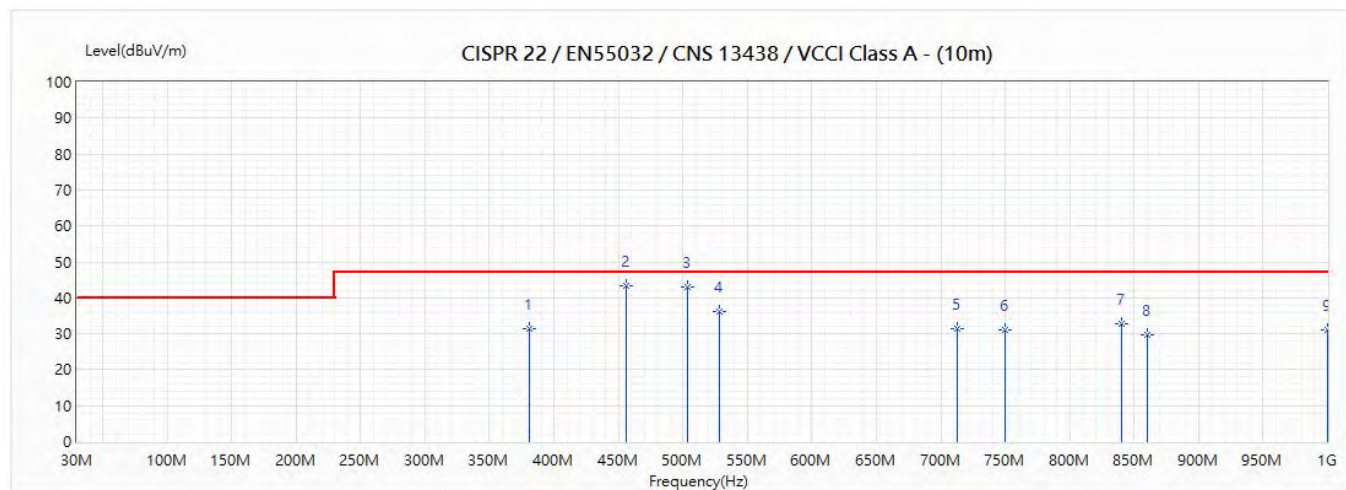
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

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	FE9382-EHV-v2	Site	SITE7
Test Voltage	AC 120V/60Hz	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	380.92	31.35	47.00	-15.65	37.50	-6.15	265	-58	QP
* 2	456	43.39	47.00	-3.61	47.00	-3.61	190	-138	QP
3	504	42.87	47.00	-4.13	45.50	-2.63	195	-150	QP
4	528	36.12	47.00	-10.88	38.20	-2.08	210	-138	QP
5	712.69	31.39	47.00	-15.61	30.50	0.89	110	-59	QP
6	750	31.06	47.00	-15.94	29.19	1.87	120	-104	QP
7	839.98	32.85	47.00	-14.15	29.81	3.04	115	-72	QP
8	860.13	29.82	47.00	-17.18	26.79	3.03	112	35	QP
9	1000	31.16	47.00	-15.84	26.30	4.86	100	-41	QP

Remark:

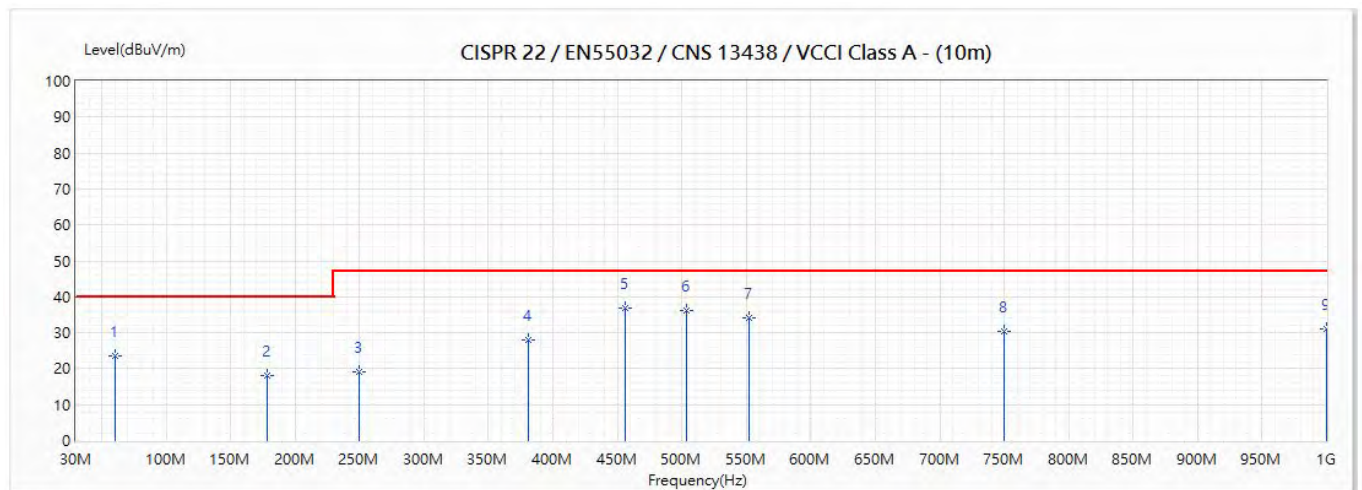
1. "*" means this data is the worst emission level;

"!" 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 120V/60Hz	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	60.6	23.38	40.00	-16.62	42.20	-18.82	100	-98	QP
2	178.4	17.92	40.00	-22.08	32.00	-14.08	100	-54	QP
3	250	18.99	47.00	-28.01	29.00	-10.01	100	-48	QP
4	380.92	27.85	47.00	-19.15	34.00	-6.15	100	36	QP
* 5	456	36.99	47.00	-10.01	40.60	-3.61	350	-175	QP
6	504	36.27	47.00	-10.73	38.90	-2.63	325	26	QP
7	552	34.29	47.00	-12.71	35.00	-0.71	330	-41	QP
8	750	30.26	47.00	-16.74	28.39	1.87	235	51	QP
9	1000	30.96	47.00	-16.04	26.10	4.86	190	58	QP

Remark:

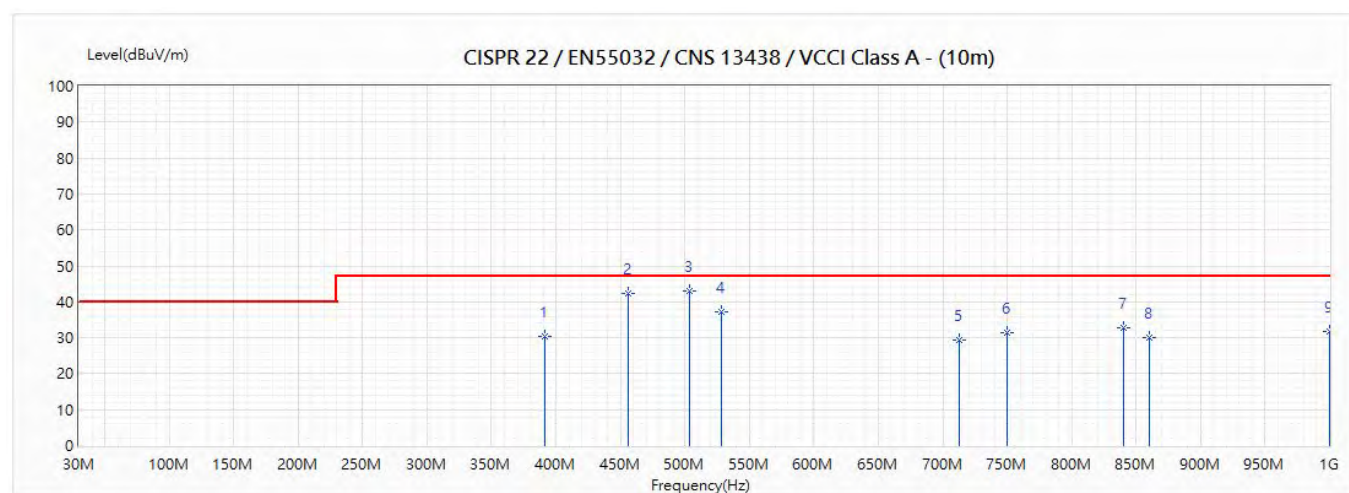
1. "*" means this data is the worst emission level;

"!" 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



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	390.92	30.28	47.00	-16.72	35.99	-5.71	265	36	QP
2	456	42.49	47.00	-4.51	46.10	-3.61	195	-140	QP
* 3	504	42.87	47.00	-4.13	45.50	-2.63	190	-84	QP
4	528	37.12	47.00	-9.88	39.20	-2.08	195	34	QP
5	712.69	29.29	47.00	-17.71	28.40	0.89	120	-48	QP
6	750	31.36	47.00	-15.64	29.49	1.87	112	35	QP
7	840	32.85	47.00	-14.15	29.81	3.04	110	34	QP
8	860.13	30.02	47.00	-16.98	26.99	3.03	108	36	QP
9	1000	31.86	47.00	-15.14	27.00	4.86	100	35	QP

Remark:

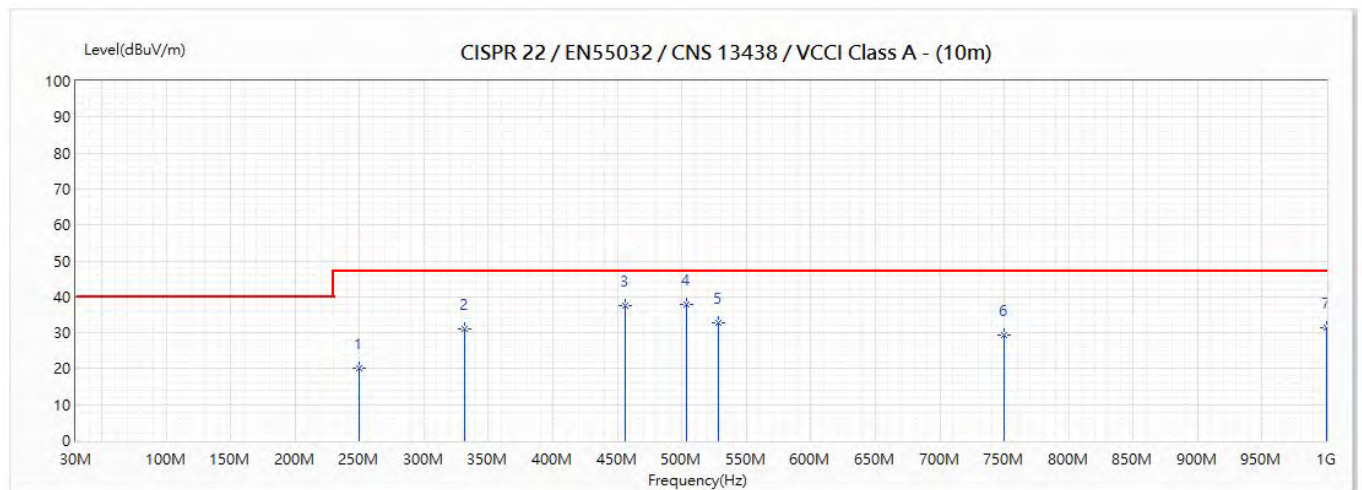
1. "*" means this data is the worst emission level;

"!" 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	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:

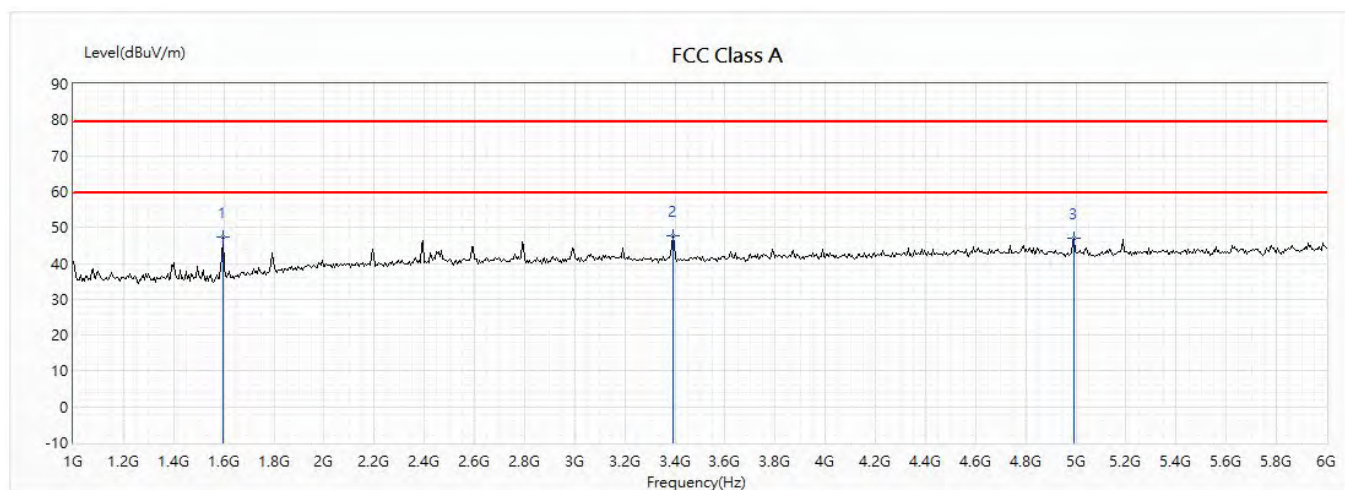
1. "*" means this data is the worst emission level;

"!" 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 120V/60Hz	Test Date	2020/6/3
Test Mode	Mode 1	Engineer	Nilk.chen
Polarity	Horizontal	Temperature (°C)	22.7
Test Condition	--	Humidity (%RH)	64

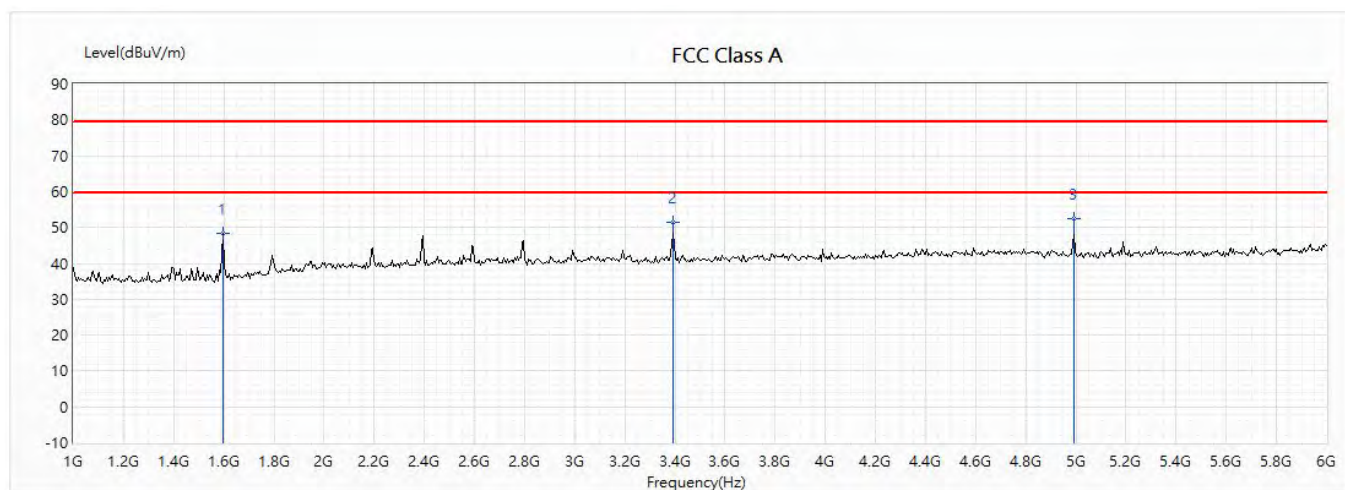


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1595	47.26	79.50	-32.24	51.34	-4.08	0	0	PK
* 2	3390	47.75	79.50	-31.75	44.13	3.62	0	0	PK
3	4990	46.96	79.50	-32.54	39.92	7.04	0	0	PK

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 120V/60Hz	Test Date	2020/6/3
Test Mode	Mode 1	Engineer	Nilk.chen
Polarity	Vertical	Temperature (°C)	22.7
Test Condition	--	Humidity (%RH)	64

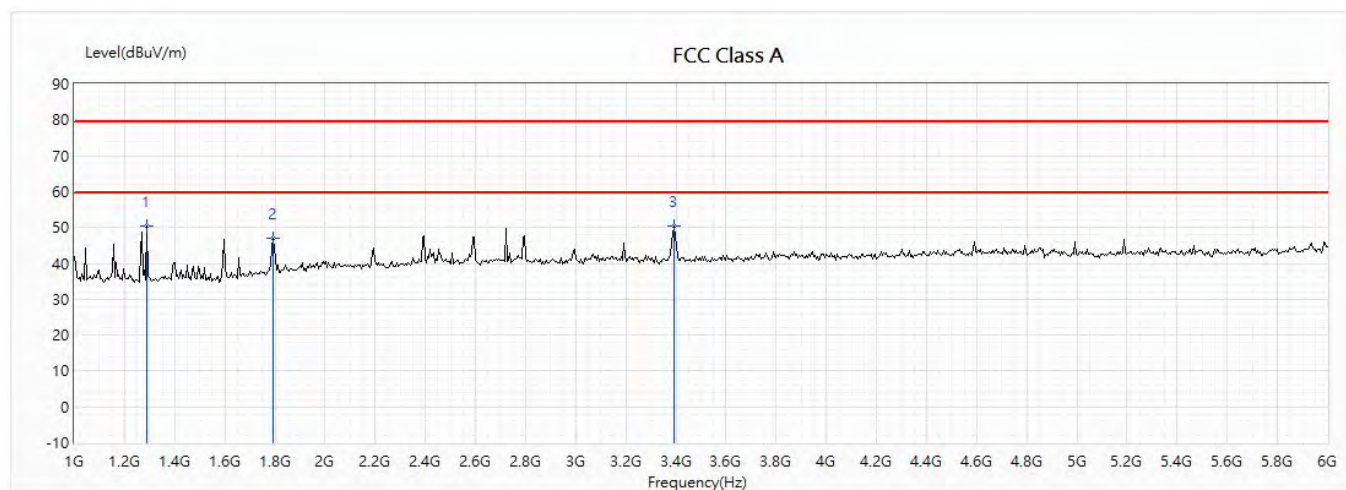


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1595	48.29	79.50	-31.21	52.37	-4.08	0	0	PK
2	3390	51.40	79.50	-28.10	47.78	3.62	100	98	PK
* 3	4990	52.30	79.50	-27.20	45.26	7.04	0	0	PK

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	2020/6/3
Test Mode	Mode 2	Engineer	Nilk.chen
Polarity	Horizontal	Temperature (°C)	22.7
Test Condition	--	Humidity (%RH)	64

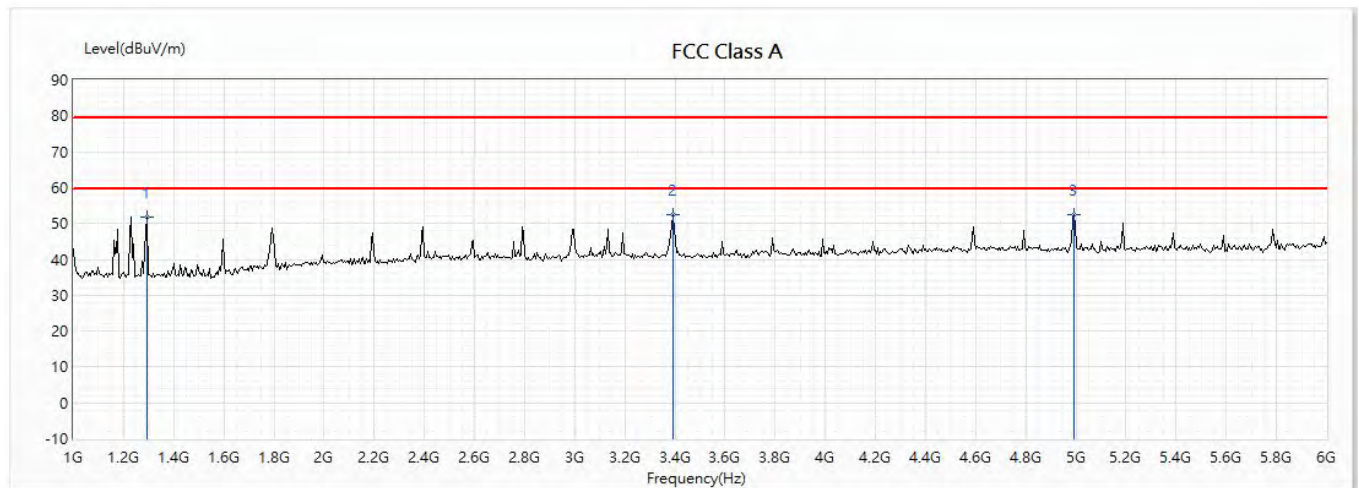


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
* 1	1290	50.53	79.50	-28.97	54.86	-4.33	100	134	PK
2	1795	47.07	79.50	-32.43	48.84	-1.77	100	112	PK
3	3390	50.52	79.50	-28.98	46.90	3.62	100	35	PK

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	2020/6/3
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	1295	51.70	79.50	-27.80	55.98	-4.28	100	141	PK
* 2	3390	52.46	79.50	-27.04	48.84	3.62	100	24	PK
3	4990	52.44	79.50	-27.06	45.40	7.04	100	66	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.

4.6. 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

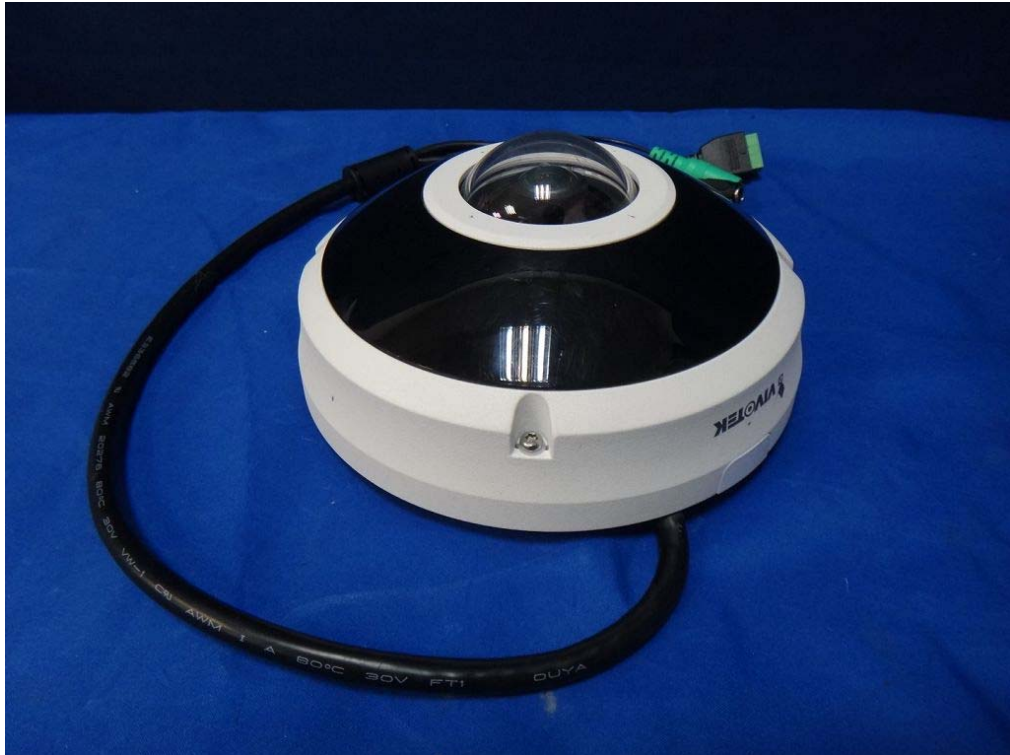
Description : Front View of High Frequency Radiated Test



5. Attachment

➤ EUT Photograph

(1) EUT Photo



(2) EUT Photo



(3) EUT Photo

