

FCC Test Report

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

Product Name : Network Camera

Model No. : IB9387-HT, IB9387-EHT, IB9387-LPR, 5.0-H3B-BO3-IR

Applicant : VIVOTEK INC.

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

Date of Receipt : 2019/04/17

Issued Date : 2019/05/21

Report No. : 1940245R-ITUSP01V00

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.

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Test Report

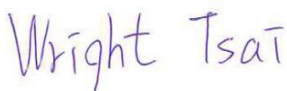
Issued Date: 2019/05/21

Report No.: 1940245R-ITUSP01V00



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. : IB9387-HT, IB9387-EHT, IB9387-LPR, 5.0-H3B-BO3-IR
EUT Rated Voltage : DC 12V, By PoE
EUT Test Voltage : AC 120V / 60Hz, By PoE
Trade Name : VIVOTEK
Applicable Standard : FCC CFR Title 47 Part 15 Subpart B: 2018, 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.
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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 R.O.C.	:	BSMI, NCC, TAF
Norway	:	DNVGL
USA	:	FCC
Japan	:	VCCI

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site :

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

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

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1. General Information

1.1. EUT Description

Product Name	Network Camera
Trade Name	VIVOTEK
Model No.	IB9387-HT, IB9387-EHT, IB9387-LPR, 5.0-H3B-BO3-IR
EUT Max Frequency	1600MHz

Note: The different of each model is shown as below

Model Number	Different
IB9387-HT	Non wide temperature
IB9387-LPR	
5.0-H3B-BO3-IR	
IB9387-EHT	Wide temperature
Note: IB9387-LPR Have SD card	

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: IB9387-EHT, Adapter	
Mode 2: IB9387-EHT, PoE	
Final Test Mode	
Emission	Mode 1: IB9387-EHT, Adapter Mode 2: IB9387-EHT, PoE

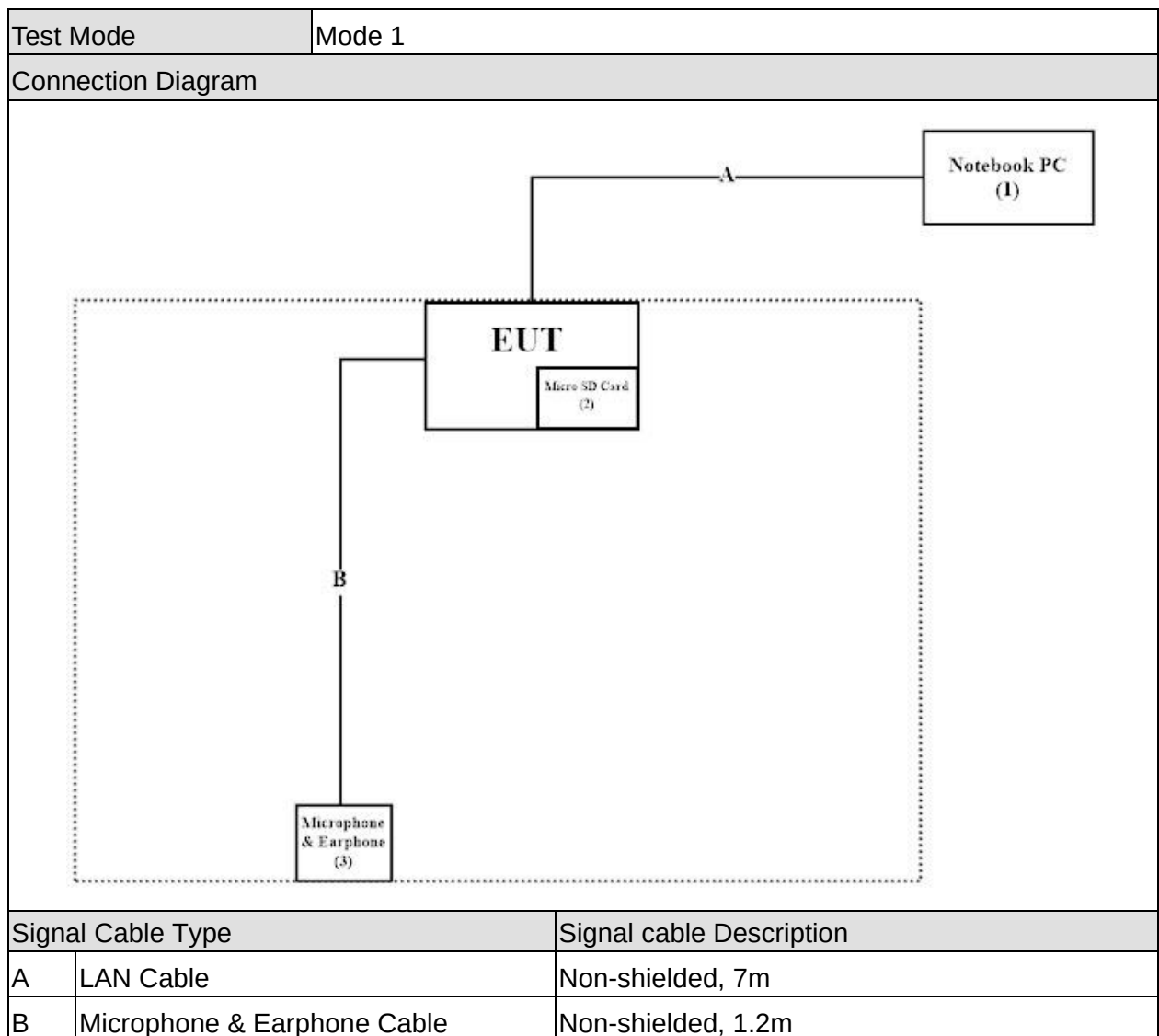
1.3. Tested System Details

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

Test Mode		Mode 1			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5580	GDZN7H2	Non-shielded, 0.8m
2	Micro SD Card 1GB	SanDisk	N/A	0734502841D85	N/A
3	Microphone & Earphone	RONEVER	MOE240	N/A	N/A

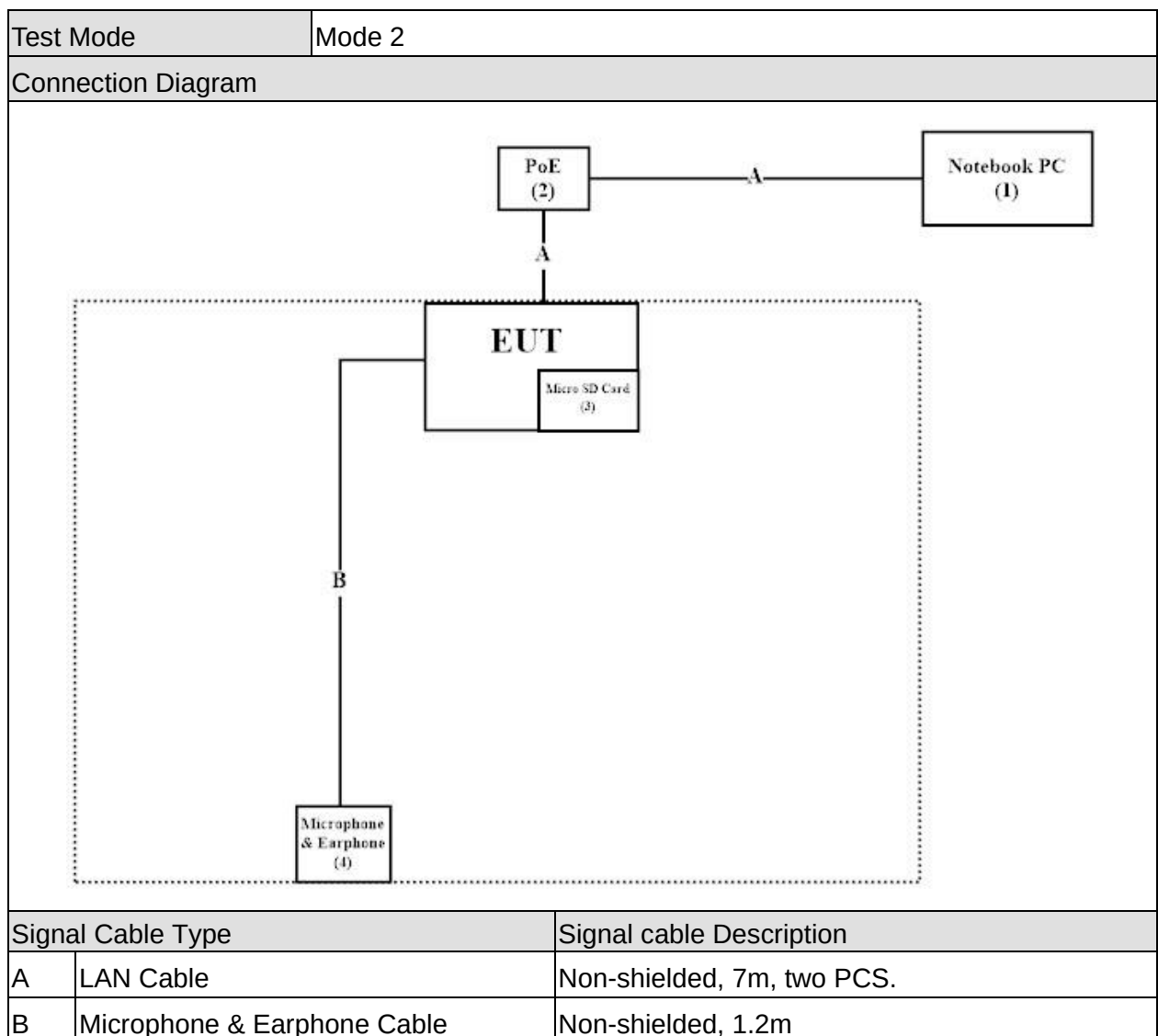
Test Mode		Mode 2			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5580	GDZN7H2	Non-shielded, 0.8m
2	PoE	N/A	N/A	N/A	Non-shielded, 1.8m
3	Micro SD Card 1GB	SanDisk	N/A	0734502841D85	N/A
4	Microphone & Earphone	RONEVER	MOE240	N/A	N/A

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	The EUT will start to operate and display the video figure from the signal source.
4	The EUT will display “video figure” on monitor.
5	SD card works while the EUT is recording.
6	Repeat the above procedure (3) to (5).

2. Technical Test

2.1. Summary of Test Result

- ☒ No deviations from the test standards
☐ Deviations from the test standards as below description:

Emission			
Performed Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart B: 2018 Class A, ANSI C63.4: 2014	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2018 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	ESCS 30	100369	2018/11/19
LISN	R&S	ENV216	100097	2019/02/18
LISN	R&S	ESH3-Z5	836679/017	2019/02/18
Coaxial Cable	DEKRA	RG 400	LC018-RG	2018/06/21

Note: Test Receiver Detector: Quasipeak and Average Bandwidth: 9KHz

Radiated Emission / Site7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Broadband Antenna	Schwarzbeck	VULB 9168	0852	2019/02/02
EMI Test Receiver	R&S	ESCI	100649	2018/07/20
Coaxial Cable	DEKRA	RG 214	LC007-RG	2018/06/18
Pre-Amplifier	DEKRA	AP/0100A	CHM/1009094	2018/06/18
Site7 NSA	DEKRA	N/A	N/A	2018/06/18

Note: Test Receiver Detector: Quasipeak Bandwidth: 120KHz

Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESU26	100433	2018/11/13
Horn Antenna	ETS-Lindgren	3117	00202723	2018/08/08
Horn Antenna	SCHWARZBECK	9120D	576	2018/12/18
Pre-Amplifier	EMCI	EMC051845SE	980359	2018/10/24
CB7 VSWR	DEKRA	N/A	N/A	2018/06/25

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

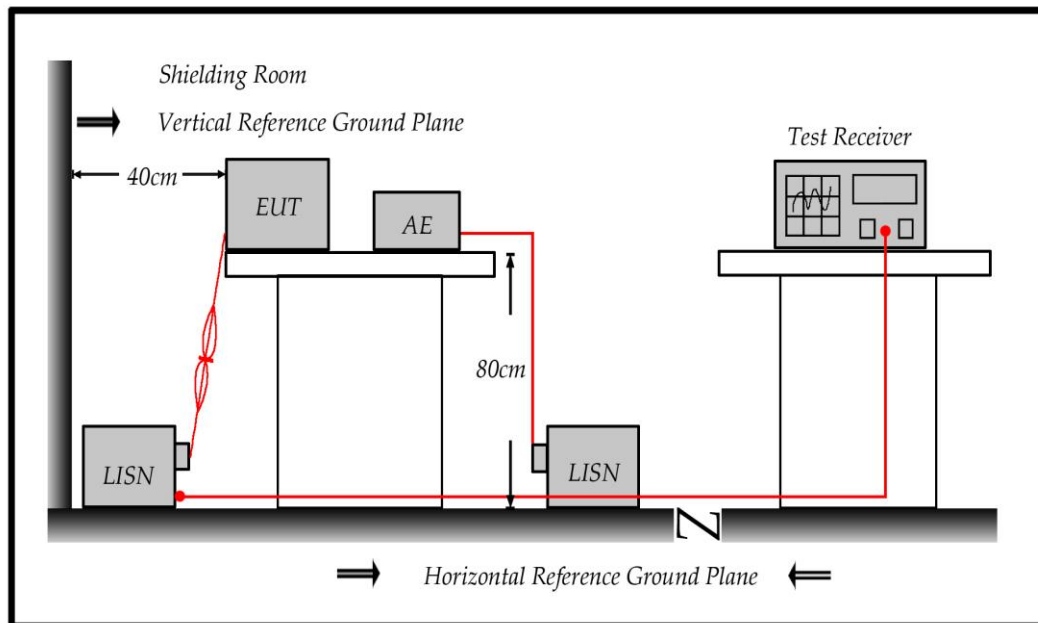
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	24.5
	Humidity (%RH)	25-75	53
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	23.8
	Humidity (%RH)	25-75	75
	Barometric pressure (mbar)	860-1060	950-1000

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

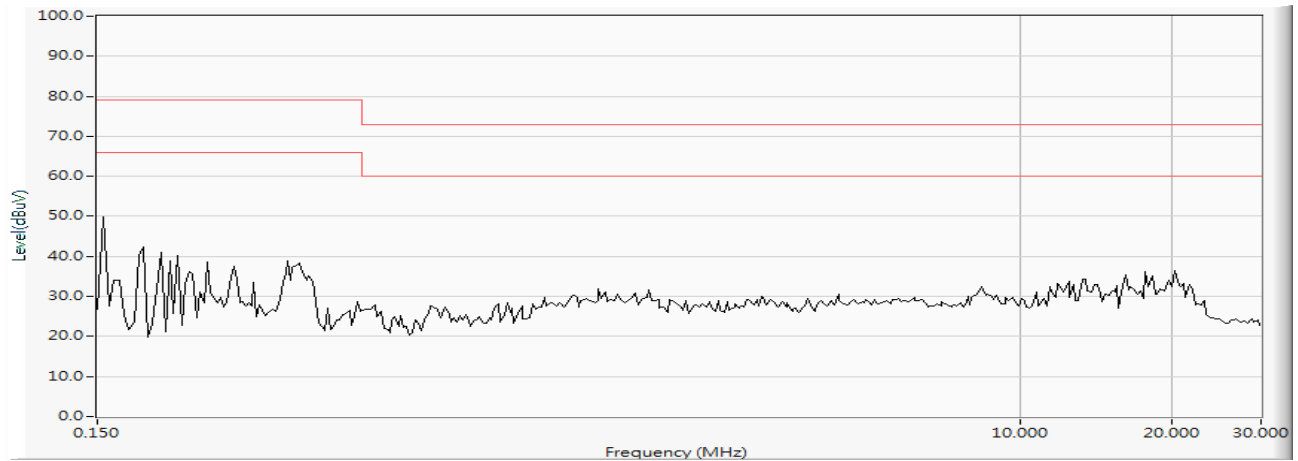
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

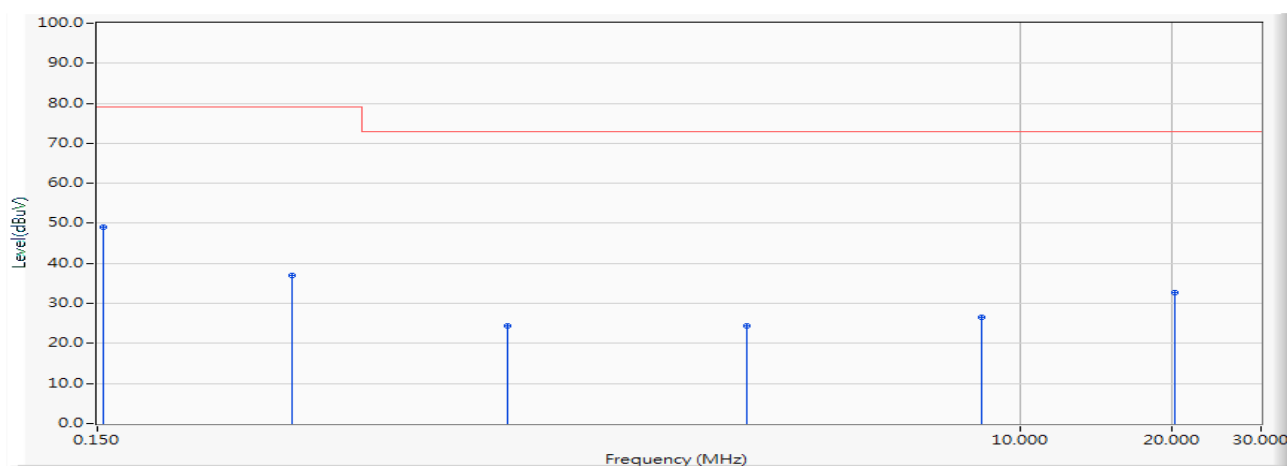
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Site : SR8	Time : 2019/04/09 - 13:25
Limit : CISPR_A_00M_QP	Margin : 13
EUT : Network Camera	Probe : ENV216_L1_1068 - Line1
Power : AC 120V/60Hz	Note : Mode 1



Site : SR8	Time : 2019/04/09 - 13:26
Limit : CISPR_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : ENV216_L1_1068 - Line1
Power : AC 120V/60Hz	Note : Mode 1

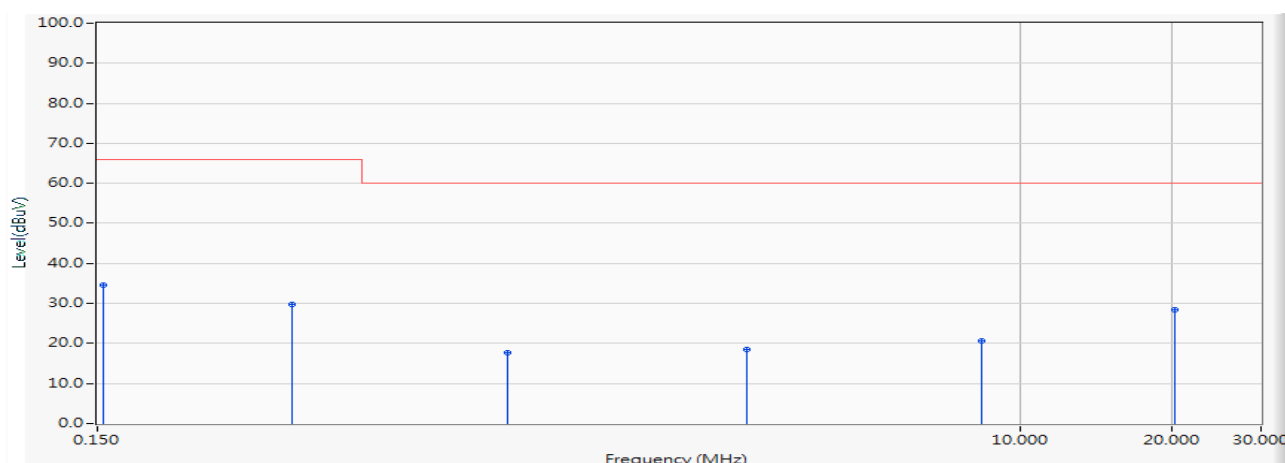


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.154	9.656	39.360	49.016	-29.984	79.000	QUASIPeAK
2		0.363	9.664	27.300	36.964	-42.036	79.000	QUASIPeAK
3		0.970	9.689	14.840	24.529	-48.471	73.000	QUASIPeAK
4		2.888	9.765	14.720	24.485	-48.515	73.000	QUASIPeAK
5		8.408	9.941	16.560	26.501	-46.499	73.000	QUASIPeAK
6		20.318	10.155	22.640	32.795	-40.205	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor (LISN factor + cable loss).

Site : SR8	Time : 2019/04/09 - 13:26
Limit : CISPR_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : ENV216_L1_1068 - Line1
Power : AC 120V/60Hz	Note : Mode 1

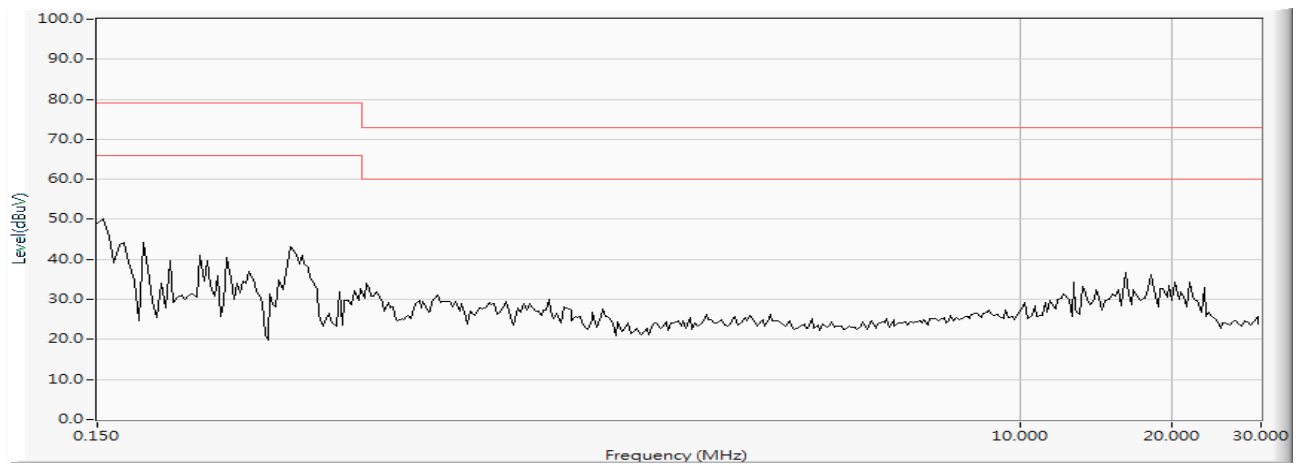


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.154	9.656	25.000	34.656	-31.344	66.000	AVERAGE
2		0.363	9.664	20.060	29.724	-36.276	66.000	AVERAGE
3		0.970	9.689	8.040	17.729	-42.271	60.000	AVERAGE
4		2.888	9.765	8.780	18.545	-41.455	60.000	AVERAGE
5		8.408	9.941	10.620	20.561	-39.439	60.000	AVERAGE
6		20.318	10.155	18.280	28.435	-31.565	60.000	AVERAGE

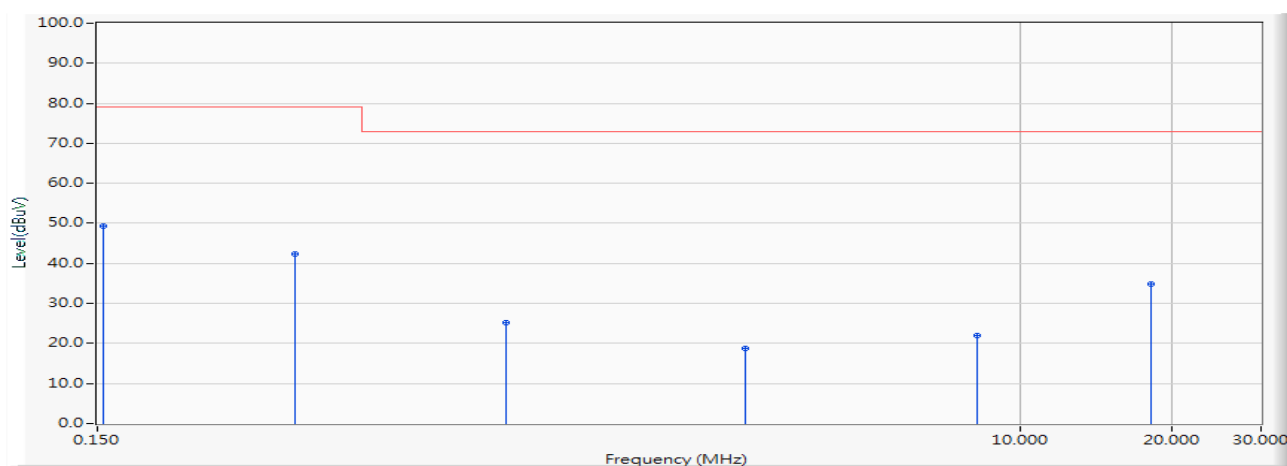
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor (LISN factor + cable loss).

Site : SR8	Time : 2019/04/09 - 13:27
Limit : CISPR_A_00M_QP	Margin : 13
EUT : Network Camera	Probe : ENV216_N_1068 - Line2
Power : AC 120V/60Hz	Note : Mode 1



Site : SR8	Time : 2019/04/09 - 13:28
Limit : CISPR_A_00M_QP	Margin : 0
EUT : Network Camera	Probe : ENV216_N_1068 - Line2
Power : AC 120V/60Hz	Note : Mode 1

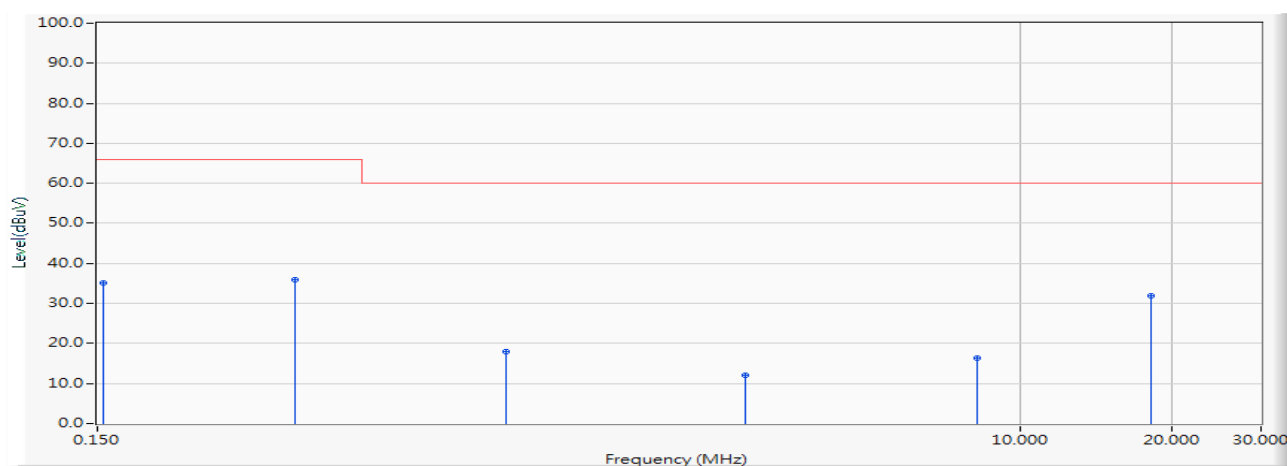


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.154	9.696	39.680	49.376	-29.624	79.000	QUASIPeAK
2		0.369	9.695	32.780	42.475	-36.525	79.000	QUASIPeAK
3		0.966	9.729	15.400	25.129	-47.871	73.000	QUASIPeAK
4		2.861	9.805	8.920	18.725	-54.275	73.000	QUASIPeAK
5		8.224	9.997	11.980	21.977	-51.023	73.000	QUASIPeAK
6		18.244	10.289	24.600	34.889	-38.111	73.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor (LISN factor + cable loss).

Site : SR8	Time : 2019/04/09 - 13:28
Limit : CISPR_A_00M_AV	Margin : 0
EUT : Network Camera	Probe : ENV216_N_1068 - Line2
Power : AC 120V/60Hz	Note : Mode 1



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.154	9.696	25.480	35.176	-30.824	66.000	AVERAGE
2		0.369	9.695	26.200	35.895	-30.105	66.000	AVERAGE
3		0.966	9.729	8.360	18.089	-41.911	60.000	AVERAGE
4		2.861	9.805	2.140	11.945	-48.055	60.000	AVERAGE
5		8.224	9.997	6.280	16.277	-43.723	60.000	AVERAGE
6	*	18.244	10.289	21.700	31.989	-28.011	60.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor (LISN factor + cable loss).

3.6. Test Photograph

Test Mode : Mode 1: IB9387-EHT, Adapter

Description : Front View of Conducted Test



Test Mode : Mode 1: IB9387-EHT, Adapter

Description : Back View of Conducted Test



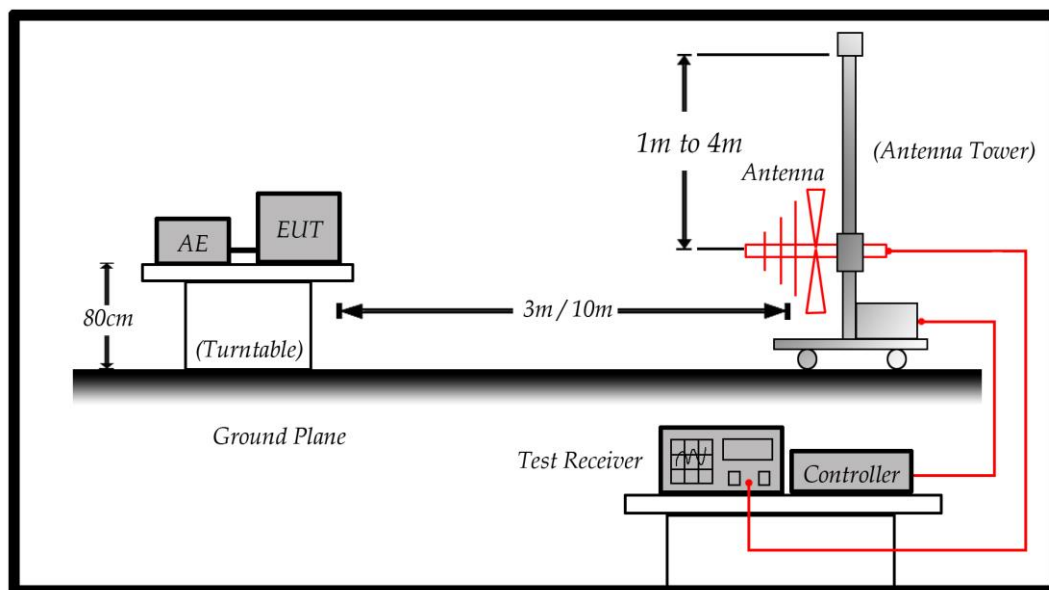
4. Radiated Emission

4.1. Test Specification

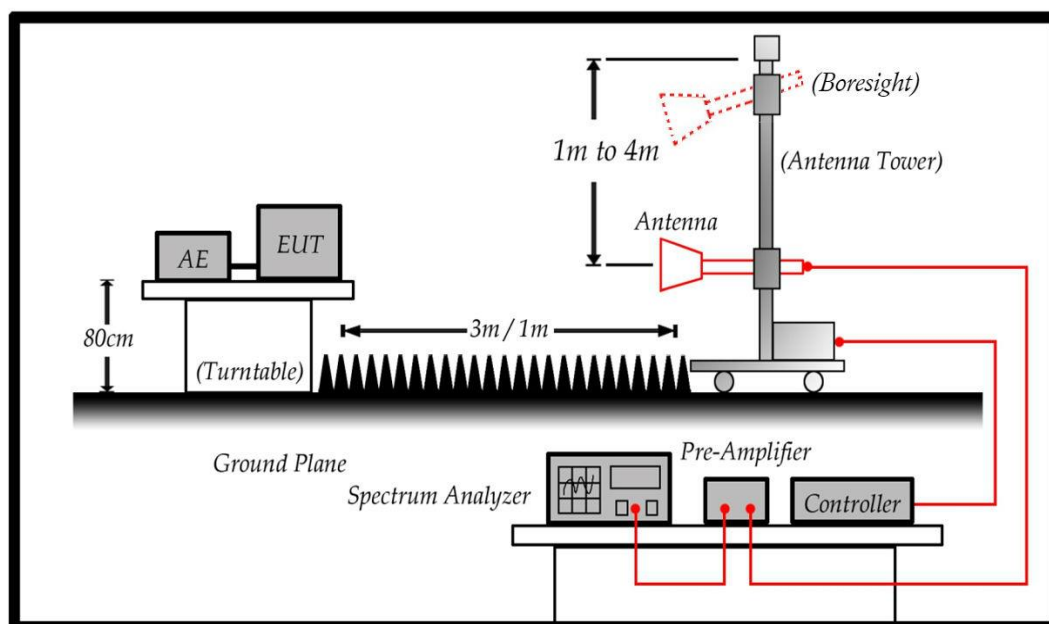
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

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 th harmonic of the highest frequency or 40 GHz, whichever is lower

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

When average radiated emission measurement are included emission measurement Above 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

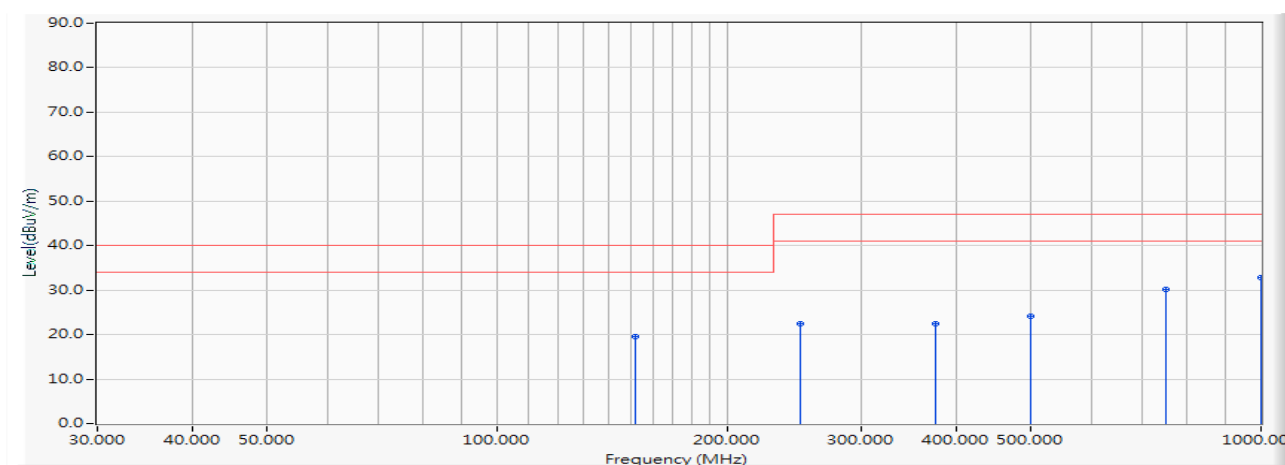
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (Test Receiver) is 120 kHz and above 1GHz is 1MHz.

4.5. Test Result

Site : SITE7	Time : 2019/04/22 - 19:21
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_VULB9168_10m_1902 - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1

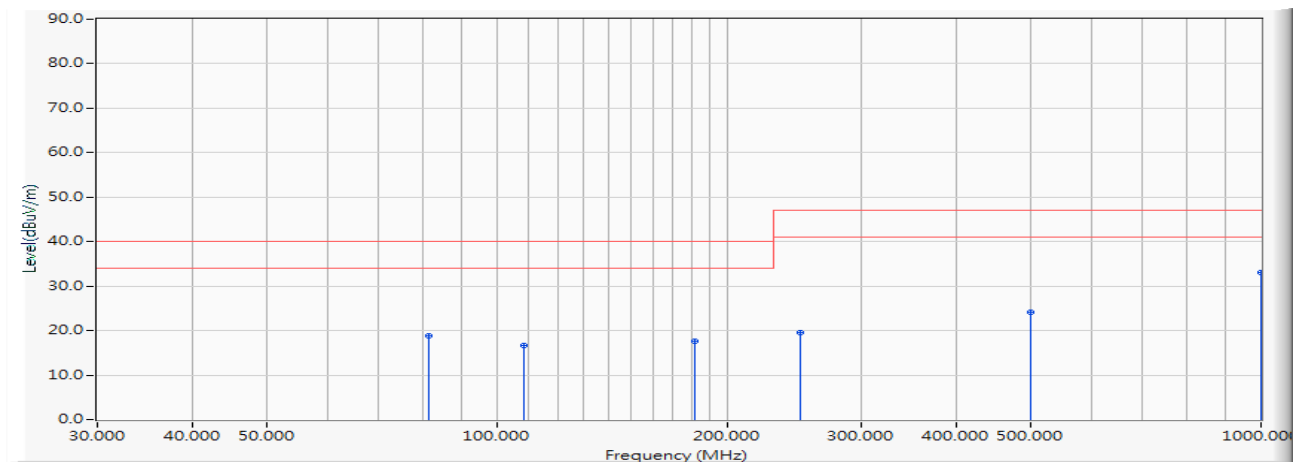


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		151.700	-10.390	30.000	19.609	-20.391	40.000	QUASIPeAK	390.000	51.000
2		250.000	-10.488	33.000	22.512	-24.488	47.000	QUASIPeAK	370.000	-42.000
3		375.000	-5.843	28.200	22.357	-24.643	47.000	QUASIPeAK	300.000	94.000
4		500.000	-1.815	26.000	24.185	-22.815	47.000	QUASIPeAK	200.000	132.000
5		750.000	4.566	25.600	30.165	-16.835	47.000	QUASIPeAK	120.000	34.000
6	*	1000.000	7.830	25.100	32.930	-14.070	47.000	QUASIPeAK	100.000	-49.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor (ant factor + cable loss - amp).

Site : SITE7	Time : 2019/04/22 - 19:21
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_VULB9168_10m_1902 - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1

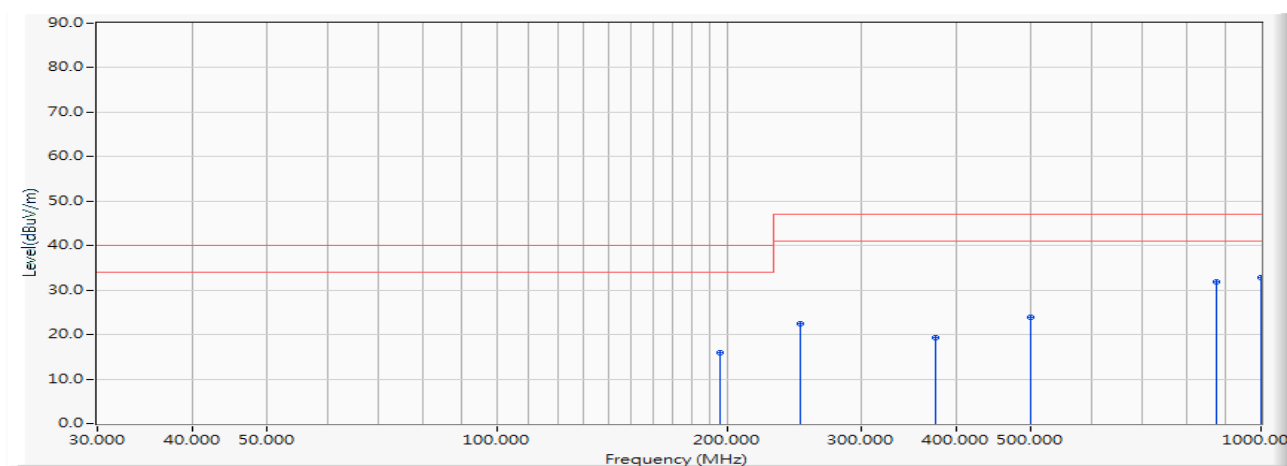


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		81.600	-15.843	34.600	18.756	-21.244	40.000	QUASIPeAK	100.000	-47.000
2		108.300	-14.232	30.900	16.668	-23.332	40.000	QUASIPeAK	100.000	94.000
3		181.500	-11.392	28.900	17.508	-22.492	40.000	QUASIPeAK	100.000	91.000
4		250.000	-10.488	30.000	19.512	-27.488	47.000	QUASIPeAK	100.000	96.000
5		500.000	-1.815	26.000	24.185	-22.815	47.000	QUASIPeAK	300.000	-47.000
6	*	1000.000	7.830	25.200	33.030	-13.970	47.000	QUASIPeAK	165.000	33.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor (ant factor + cable loss - amp).

Site : SITE7	Time : 2019/04/22 - 16:41
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_VULB9168_10m_1902 - HORIZONTAL
Power : PoE	Note : Mode 2

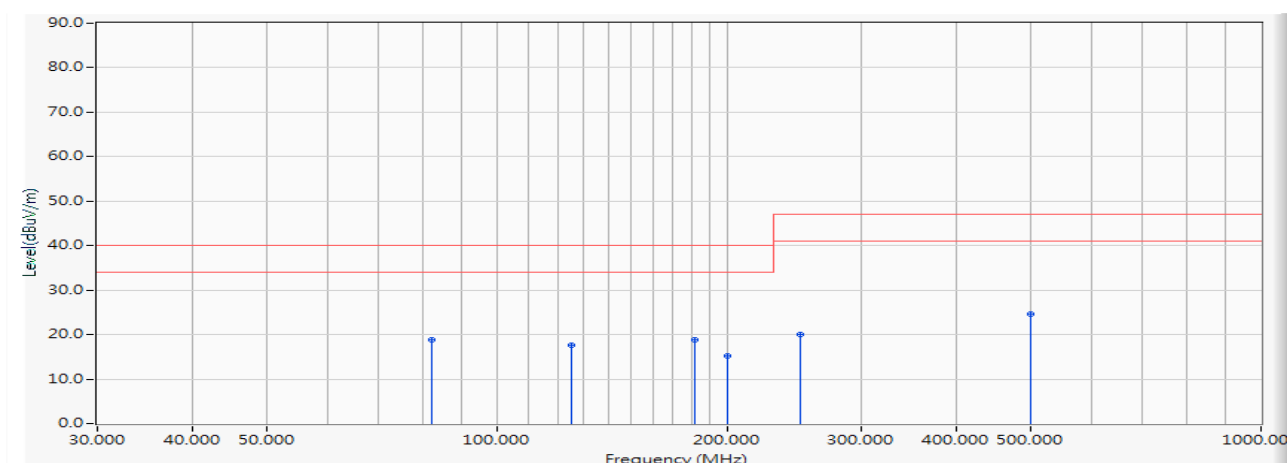


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		196.200	-12.617	28.600	15.983	-24.017	40.000	QUASIPeAK	380.000	51.000
2		250.000	-10.488	33.000	22.512	-24.488	47.000	QUASIPeAK	370.000	42.000
3		375.000	-5.843	25.100	19.257	-27.743	47.000	QUASIPeAK	300.000	33.000
4		500.000	-1.815	25.600	23.785	-23.215	47.000	QUASIPeAK	200.000	-41.000
5		875.000	6.141	25.600	31.741	-15.259	47.000	QUASIPeAK	100.000	94.000
6	*	1000.000	7.830	24.900	32.730	-14.270	47.000	QUASIPeAK	100.000	-48.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor (ant factor + cable loss - amp).

Site : SITE7	Time : 2019/04/22 - 16:41
Limit : CISPR_A_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_VULB9168_10m_1902 - VERTICAL
Power : PoE	Note : Mode 2

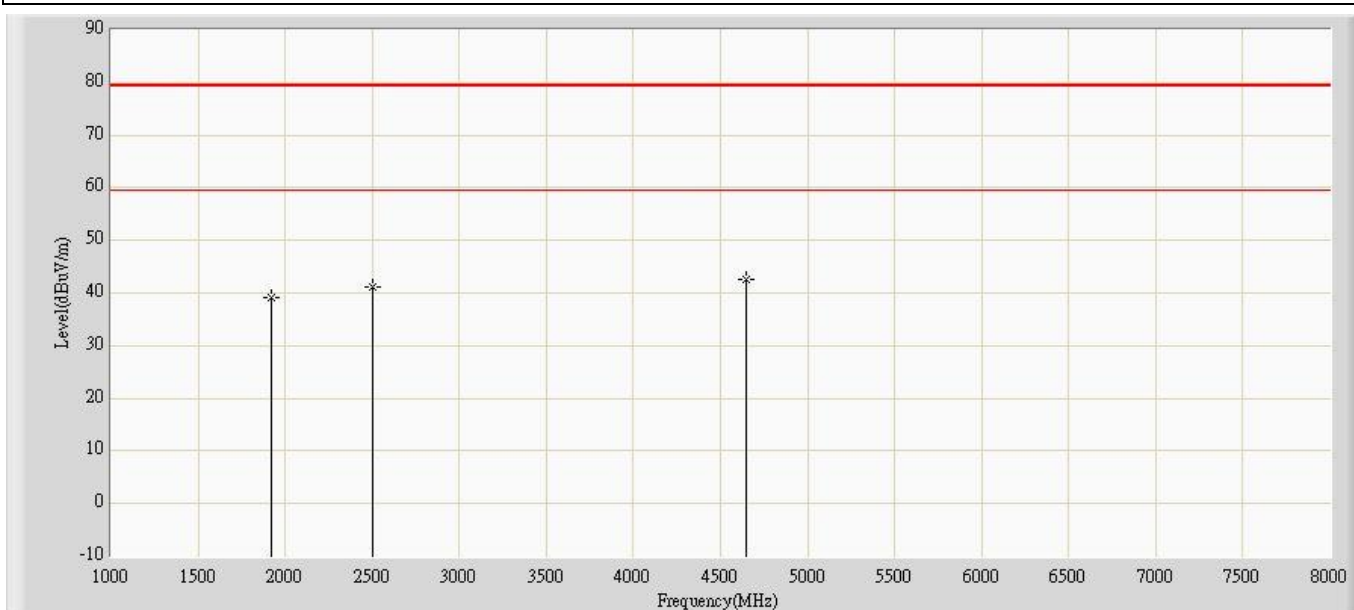


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		82.000	-15.893	34.600	18.707	-21.293	40.000	QUASIPeAK	100.000	91.000
2		125.000	-12.365	30.000	17.635	-22.365	40.000	QUASIPeAK	100.000	55.000
3	*	181.200	-11.356	30.200	18.844	-21.156	40.000	QUASIPeAK	100.000	139.000
4		200.000	-12.745	28.000	15.255	-24.745	40.000	QUASIPeAK	100.000	-48.000
5		250.000	-10.488	30.600	20.112	-26.888	47.000	QUASIPeAK	100.000	-89.000
6		500.000	-1.815	26.400	24.585	-22.415	47.000	QUASIPeAK	300.000	89.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor (ant factor + cable loss - amp).

Site: CB7	Time: 2019/04/24 - 02:04
Limit: FCC_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1808	Polarity: Horizontal
EUT: Network Camera	Power: AC 120V/60Hz
Note: Mode 1	

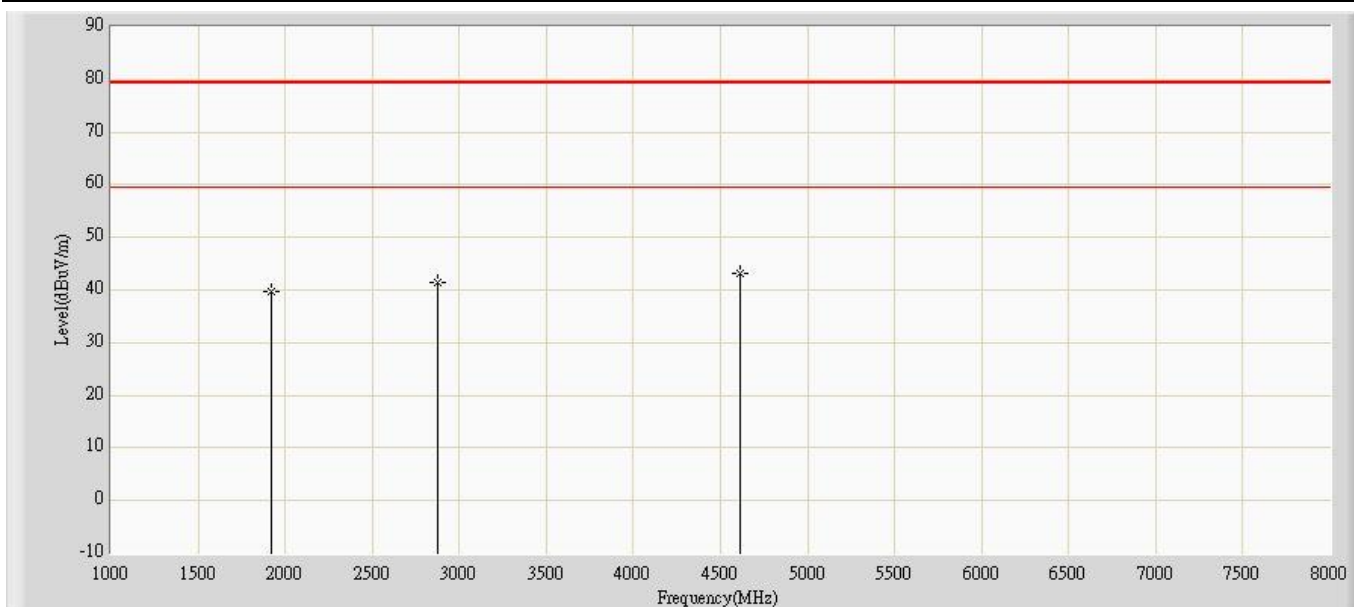


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Ant Pos (cm)	Table Pos (deg)	Type
1			1920.000	39.028	49.340	-40.472	79.500	-10.312	160	188	PK
2			2500.000	41.276	49.500	-38.224	79.500	-8.224	190	86	PK
3		*	4650.000	42.603	45.880	-36.897	79.500	-3.277	136	-57	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor (ant factor + cable loss - amp).

Site: CB7	Time: 2019/04/24 - 02:05
Limit: FCC_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1808	Polarity: Vertical
EUT: Network Camera	Power: AC 120V/60Hz
Note: Mode 1	

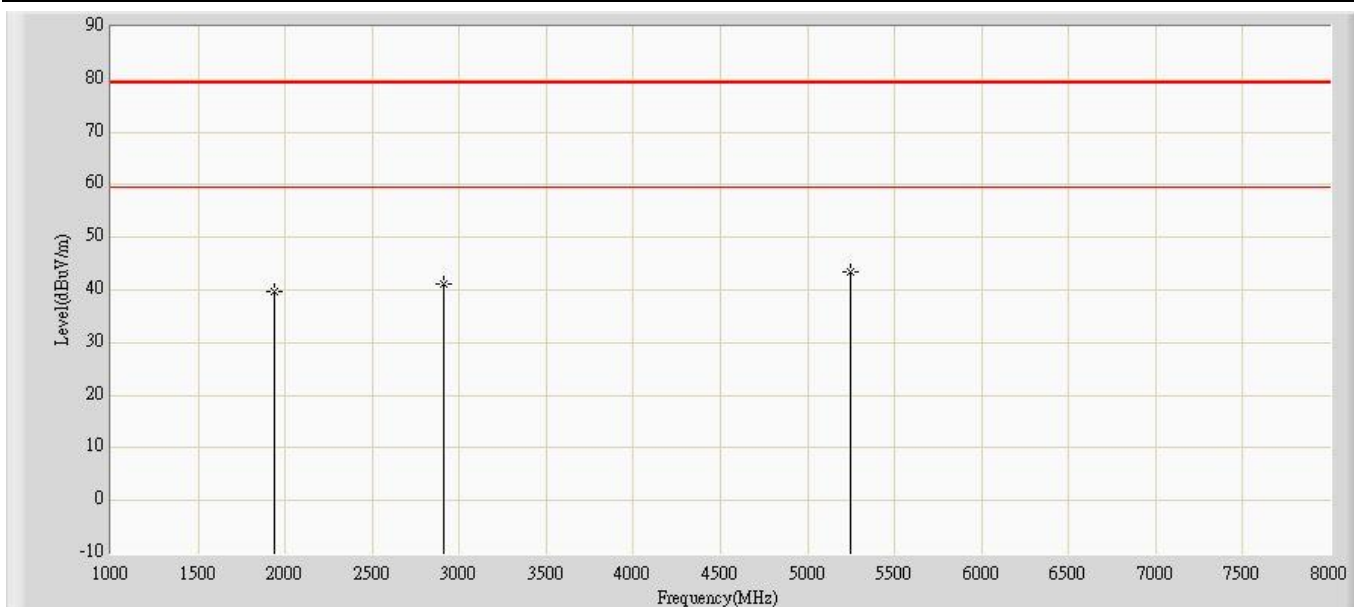


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Ant Pos (cm)	Table Pos (deg)	Type
1			1920.000	39.688	50.000	-39.812	79.500	-10.312	164	182	PK
2			2880.000	41.360	48.860	-38.140	79.500	-7.500	136	-38	PK
3		*	4610.000	43.239	46.640	-36.261	79.500	-3.400	163	95	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor (ant factor + cable loss - amp).

Site: CB7	Time: 2019/04/24 - 02:11
Limit: FCC_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1808	Polarity: Horizontal
EUT: Network Camera	Power: PoE
Note: Mode 2	

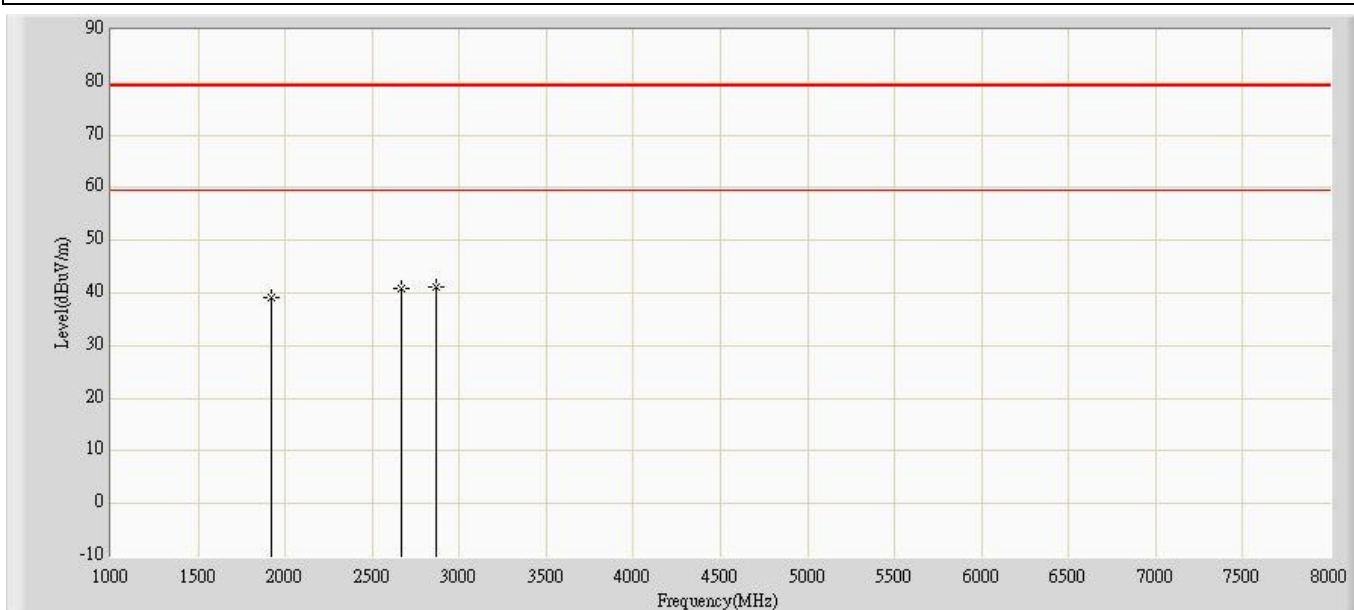


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Ant Pos (cm)	Table Pos (deg)	Type
1			1940.000	39.822	49.980	-39.678	79.500	-10.158	105	8	PK
2			2910.000	41.084	48.480	-38.416	79.500	-7.396	168	106	PK
3		*	5250.000	43.586	46.556	-35.914	79.500	-2.970	115	13	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor (ant factor + cable loss - amp).

Site: CB7	Time: 2019/04/24 - 02:11
Limit: FCC_A_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1808	Polarity: Vertical
EUT: Network Camera	Power: PoE
Note: Mode 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Ant Pos (cm)	Table Pos (deg)	Type
1			1920.000	39.188	49.500	-40.312	79.500	-10.312	119	167	PK
2			2670.000	40.799	48.480	-38.701	79.500	-7.681	125	120	PK
3		*	2870.000	41.279	48.779	-38.221	79.500	-7.500	112	132	PK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor (ant factor + cable loss - amp).

4.6. Test Photograph

Test Mode : Mode 1: IB9387-EHT, Adapter

Description : Front View of Radiated Test



Test Mode : Mode 1: IB9387-EHT, Adapter

Description : Back View of Radiated Test



Test Mode : Mode 1: IB9387-EHT, Adapter

Description : Front View of High Frequency Radiated Test



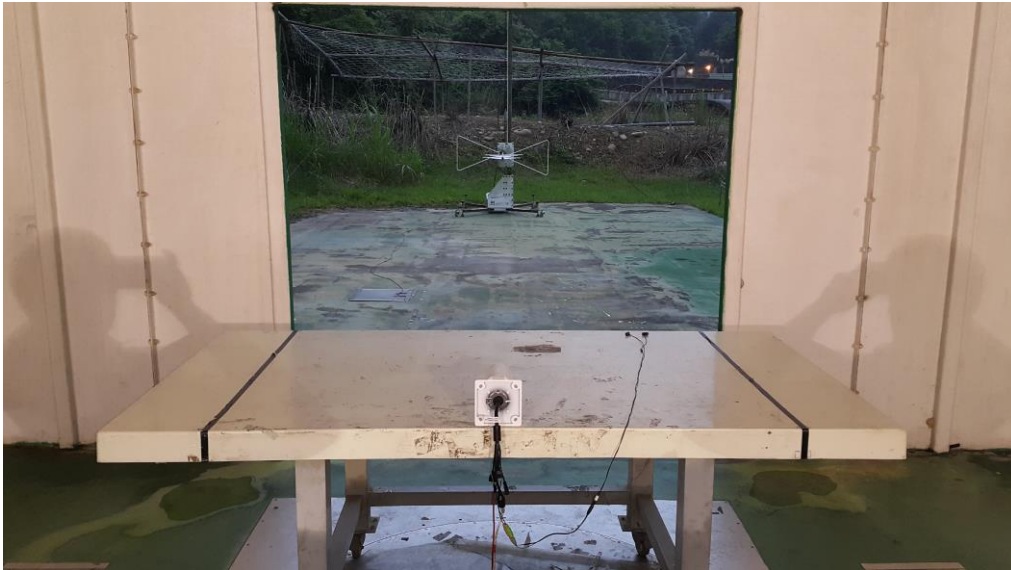
Test Mode : Mode 2: IB9387-EHT, PoE

Description : Front View of Radiated Test



Test Mode : Mode 2: IB9387-EHT, PoE

Description : Back View of Radiated Test



Test Mode : Mode 2: IB9387-EHT, PoE

Description : Front View of High Frequency Radiated Test



5. Attachment

➤ EUT Photograph

(1) EUT Photo



(2) EUT Photo

