

FCC Test Report

Compliance with Canada Interference-Causing Equipment Standard ICES-003

Product Name : Network Camera
Model No. : MD8565-N

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

Date of Receipt : 2017/01/17
Issued Date : 2017/03/01
Report No. : 1710390R-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

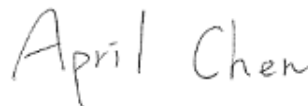
Issued Date : 2017/03/01

Report No. : 1710390R-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. : MD8565-N
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: 2015, Class B
CISPR 22: 2008, ANSI C63.4: 2014
ICES-003 Issue 6: 2016 Class B
Test Result : Complied
Performed Location : DEKRA Testing and Certification Co., Ltd.
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Taiwan R.O.C.	:	BSMI, NCC, TAF
Norway	:	DNV
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.	MD8565-N

Note : EUT Max Frequency : 600MHz

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
Final Test Mode
Conducted Emission
Mode 1: DC 12V
Impedance Stabilization Network
Radiated Emission
Mode 1: DC 12V
Mode 2: PoE

Note:

According to pre-test data, we choose the worst case mode 1,2 as the final and full testing.

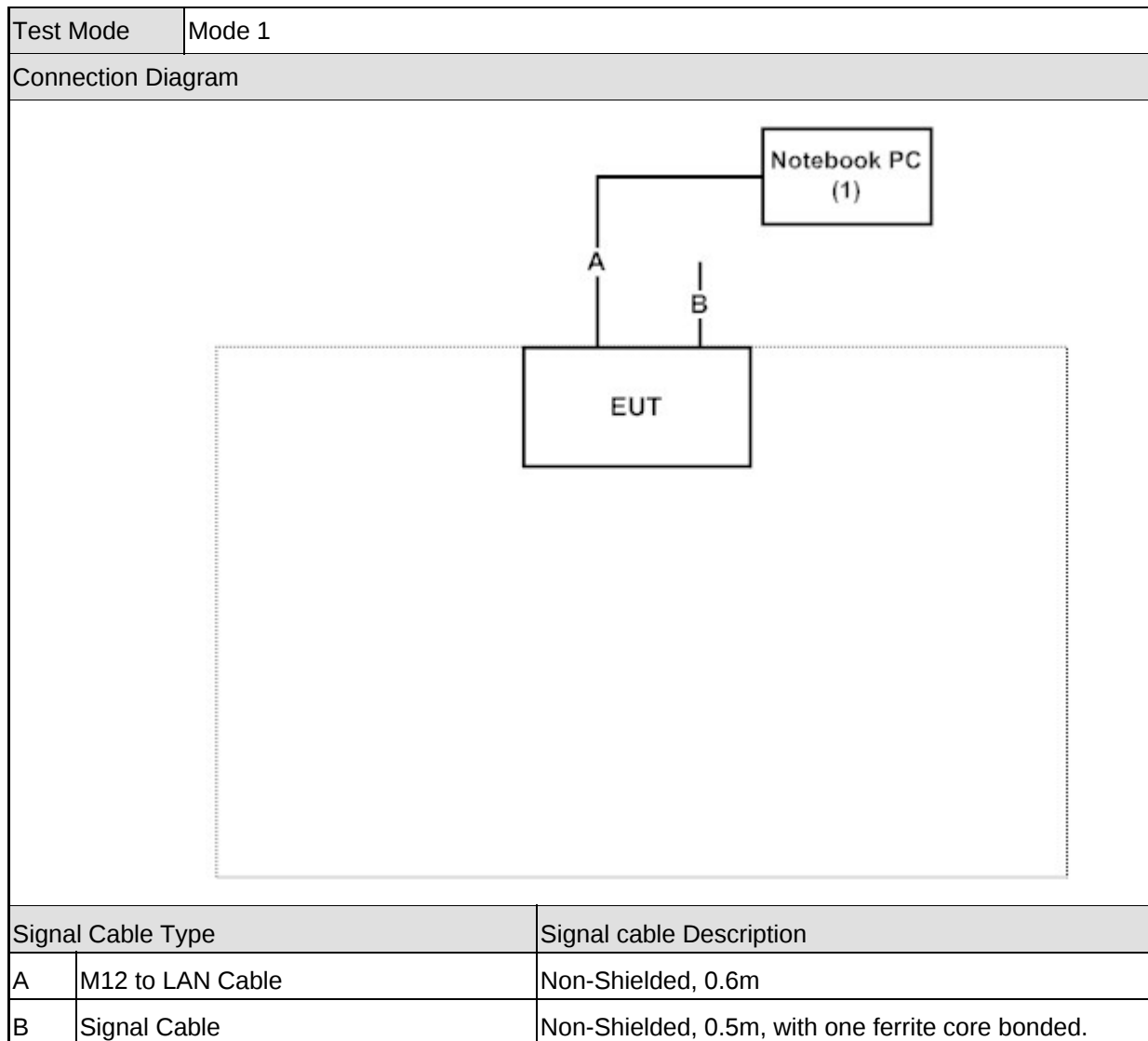
1.3. Tested System Details

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	E5530	24QPXW1	Non-Shielded, 0.8m

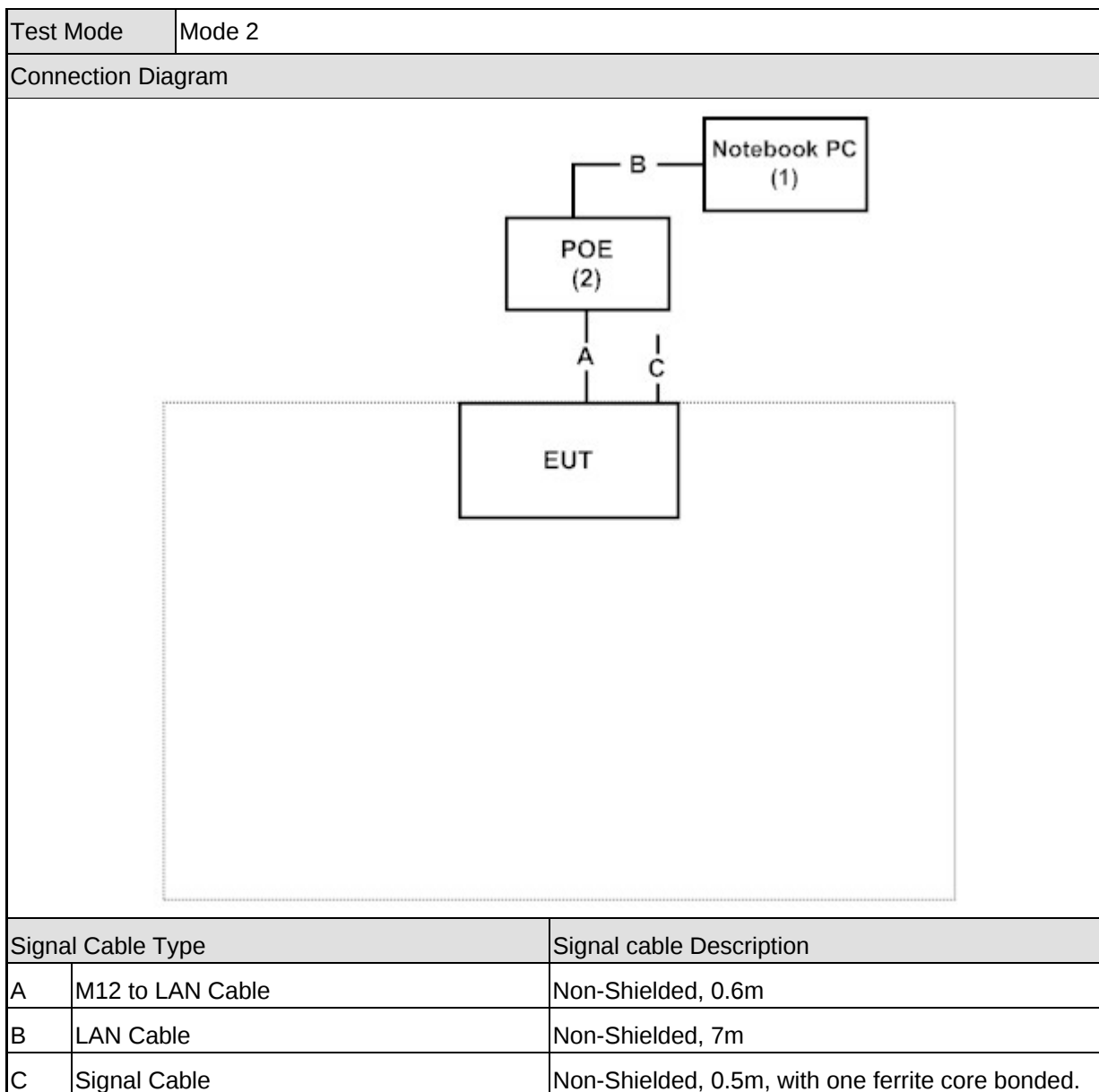
Test Mode		Mode 2			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	E5530	24QPXW1	Non-Shielded, 0.8m
2	POE	N/A	N/A	N/A	N/A

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: 2015 Class B ANSI C63.4: 2014	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2015 Class B 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	2016/10/13
LISN	R&S	ESH3-Z5	836679/017	2017/01/18
LISN	R&S	ENV216	100097	2017/01/18
Coaxial Cable	QTK(Arnist)	RG 400	LC018-RG	2016/06/23

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

Radiated Emission / Site 7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2930	2016/08/17
EMI Test Receiver	R&S	ESR7	1316.3003K07-1 0145	2016/02/02
Coaxial Cable	QTK(Arnist)	RG 214	LC007-RG	2016/06/20
Pre-Amplifier	QTK	AP/0100A	CHM/1009094	2016/06/20
Site7 NSA	QTK	N/A	N/A	2016/06/20

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	2016/09/08
Horn Antenna	ETS-Lindgren	3117	00202723	2016/07/20
Horn Antenna	SCHWARZBECK	9120D	576	2016/11/24
Pre-Amplifier	COM-POWER	PAM-118	443019	2016/07/19
Pre-Amplifier	EMCI	EMC051845SE	980359	2016/09/19
CB7 VSWR	QTK	N/A	N/A	2016/06/24

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 2.26 dB.

Radiated Emission

The measurement uncertainty is evaluated as ± 3.19 dB.

2.4. Test Environment

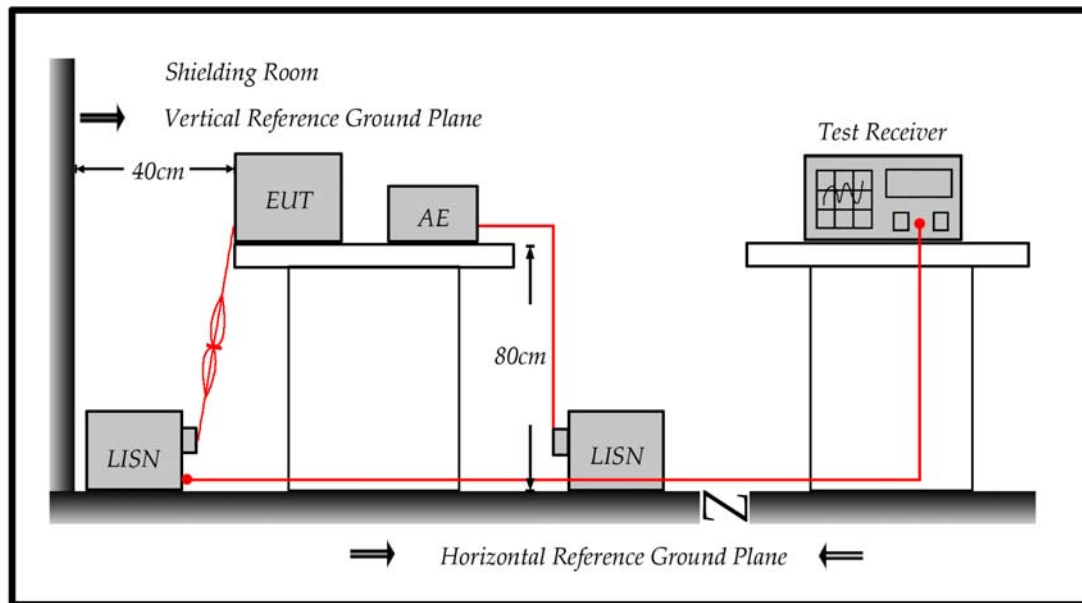
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	20
	Humidity (%RH)	25-75	51
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	19.4
	Humidity (%RH)	25-75	50
	Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

3.1. Test Specifications

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	66 - 56	56 - 46
0.50-5.0	56	46
5.0 - 30	60	50

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.

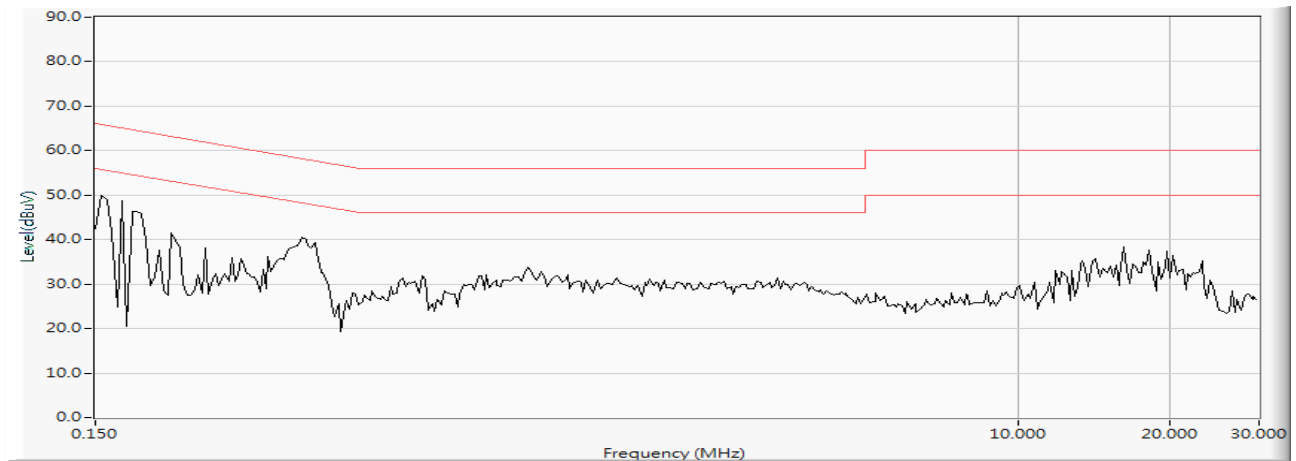
(Please refers to the block diagram of the test setup and photographs.)

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.

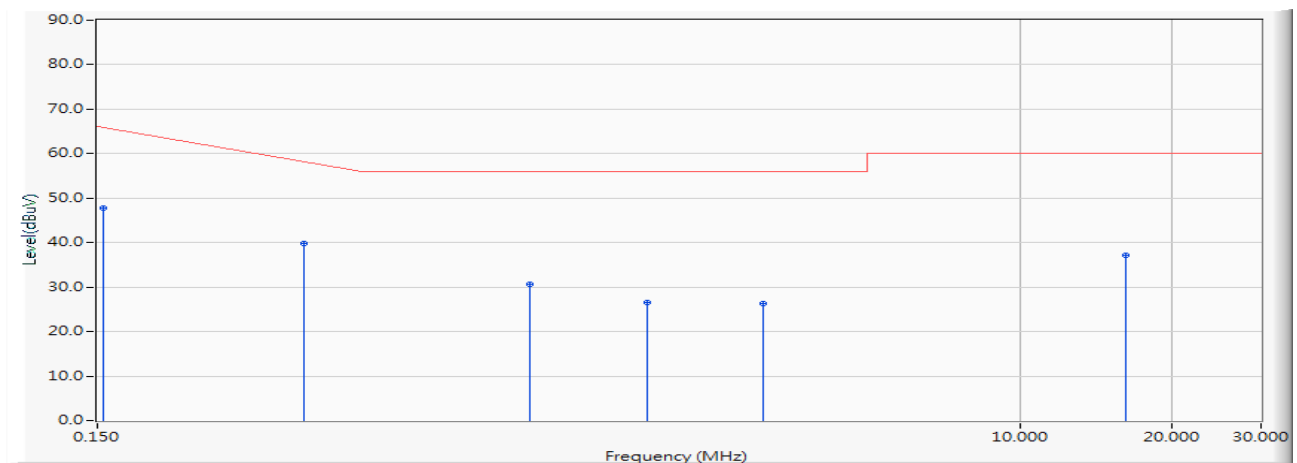
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Site : SR8	Time : 2017/02/03 - 13:36
Limit : CISPR_B_00M_QP	Margin : 10
EUT : Network Camera	Probe : ENV216_L1_1296_1602 - Line1
Power : AC 120V/60Hz	Note: Mode 1



Site : SR8	Time : 2017/02/03 - 13:37
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Network Camera	Probe : ENV216_L1_1296_1602 - Line1
Power : AC 120V/60Hz	Note: Mode 1

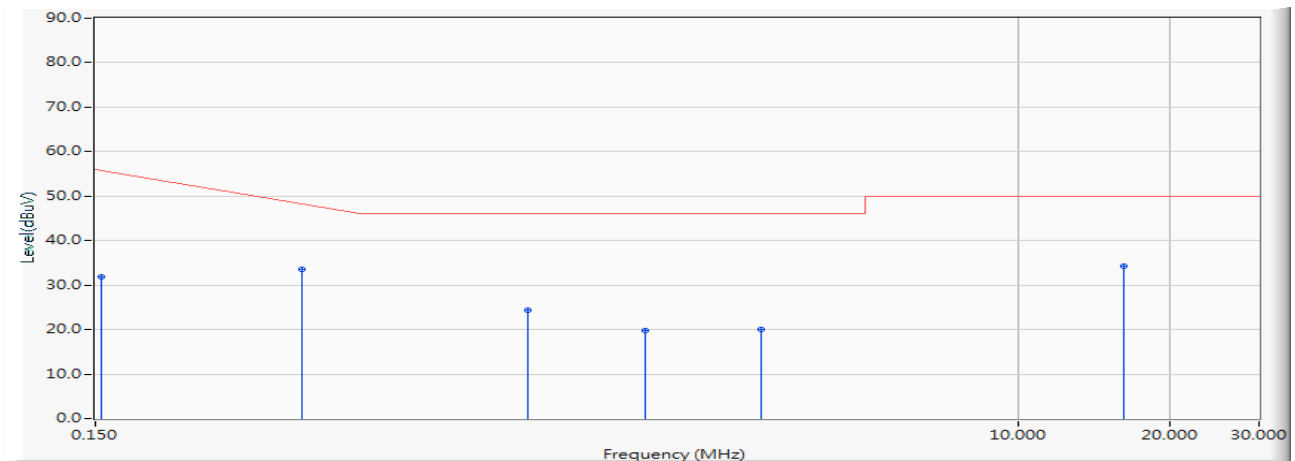


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.154	9.687	38.010	47.696	-18.190	65.886	QUASIPeAK
2		0.384	9.682	30.030	39.712	-19.602	59.314	QUASIPeAK
3		1.072	9.704	20.890	30.594	-25.406	56.000	QUASIPeAK
4		1.834	9.738	16.890	26.628	-29.372	56.000	QUASIPeAK
5		3.111	9.768	16.440	26.208	-29.792	56.000	QUASIPeAK
6		16.228	9.961	27.220	37.181	-22.819	60.000	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 : 2017/02/03 - 13:37
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Network Camera	Probe : ENV216_L1_1296_1602 - Line1
Power : AC 120V/60Hz	Note: Mode 1

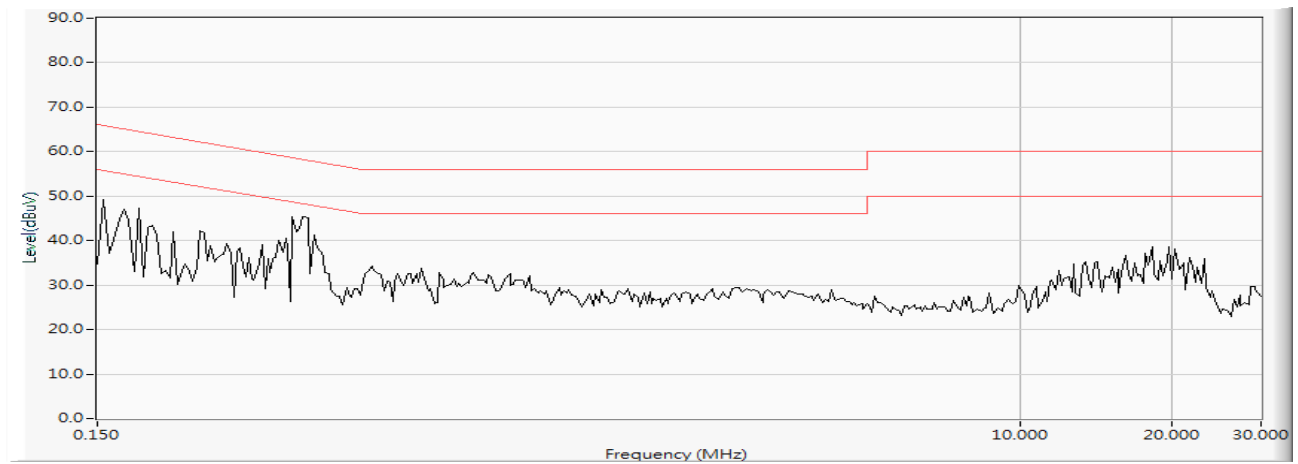


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.154	9.687	22.220	31.906	-23.980	55.886	AVERAGE
2		0.384	9.682	23.800	33.482	-15.832	49.314	AVERAGE
3		1.072	9.704	14.710	24.414	-21.586	46.000	AVERAGE
4		1.834	9.738	10.150	19.888	-26.112	46.000	AVERAGE
5		3.111	9.768	10.200	19.968	-26.032	46.000	AVERAGE
6	*	16.228	9.961	24.300	34.261	-15.739	50.000	AVERAGE

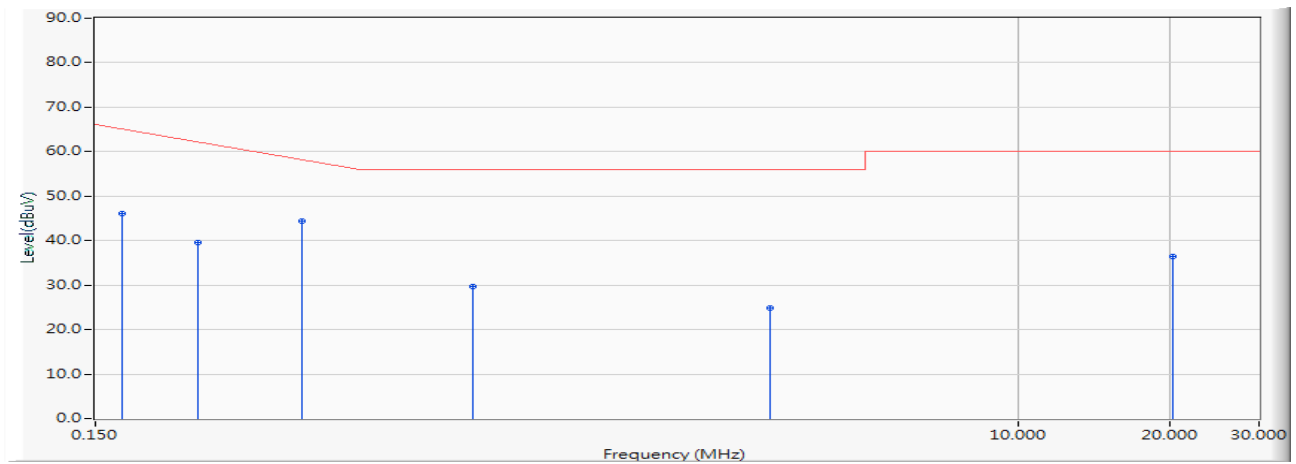
Note:

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 : 2017/02/03 - 13:34
Limit : CISPR_B_00M_QP	Margin : 10
EUT : Network Camera	Probe : ENV216_N_1296_1602 - Line2
Power : AC 120V/60Hz	Note: Mode 1



Site : SR8	Time : 2017/02/03 - 13:35
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Network Camera	Probe : ENV216_N_1296_1602 - Line2
Power : AC 120V/60Hz	Note: Mode 1

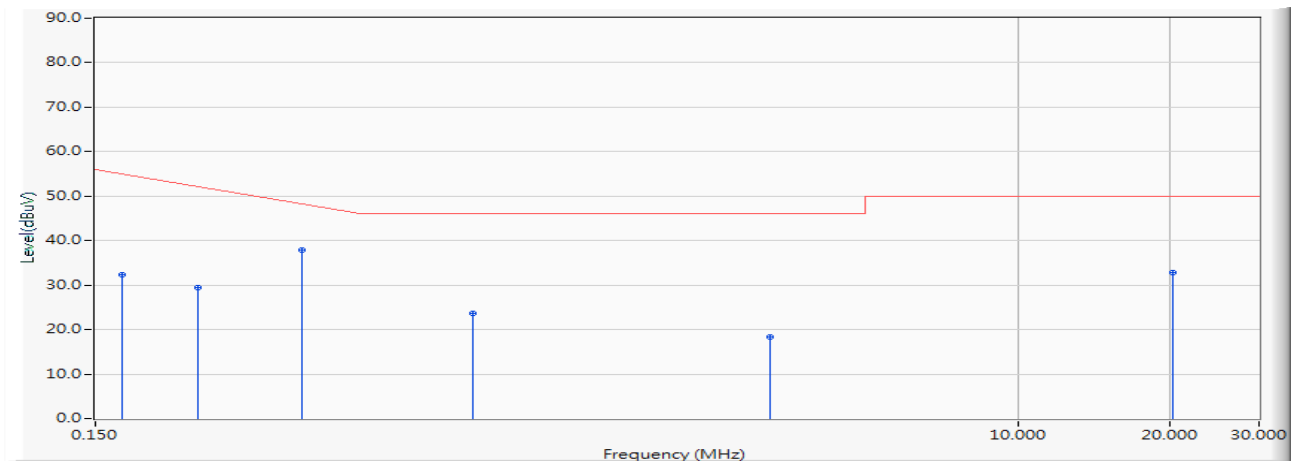


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	9.661	36.500	46.162	-19.267	65.429	QUASIPeAK
2		0.240	9.657	29.860	39.517	-23.912	63.429	QUASIPeAK
3	*	0.384	9.662	34.700	44.362	-14.952	59.314	QUASIPeAK
4		0.834	9.686	20.010	29.696	-26.304	56.000	QUASIPeAK
5		3.232	9.749	15.020	24.769	-31.231	56.000	QUASIPeAK
6		20.259	10.132	26.220	36.352	-23.648	60.000	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 : 2017/02/03 - 13:35
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Network Camera	Probe : ENV216_N_1296_1602 - 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		0.170	9.661	22.590	32.252	-23.177	55.429	AVERAGE
2		0.240	9.657	19.770	29.427	-24.002	53.429	AVERAGE
3	*	0.384	9.662	28.140	37.802	-11.512	49.314	AVERAGE
4		0.834	9.686	13.900	23.586	-22.414	46.000	AVERAGE
5		3.232	9.749	8.600	18.349	-27.651	46.000	AVERAGE
6		20.259	10.132	22.680	32.812	-17.188	50.000	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: DC 12V

Description : Front View of Conducted Test



Test Mode : Mode 1: DC 12V

Description : Back View of Conducted Test



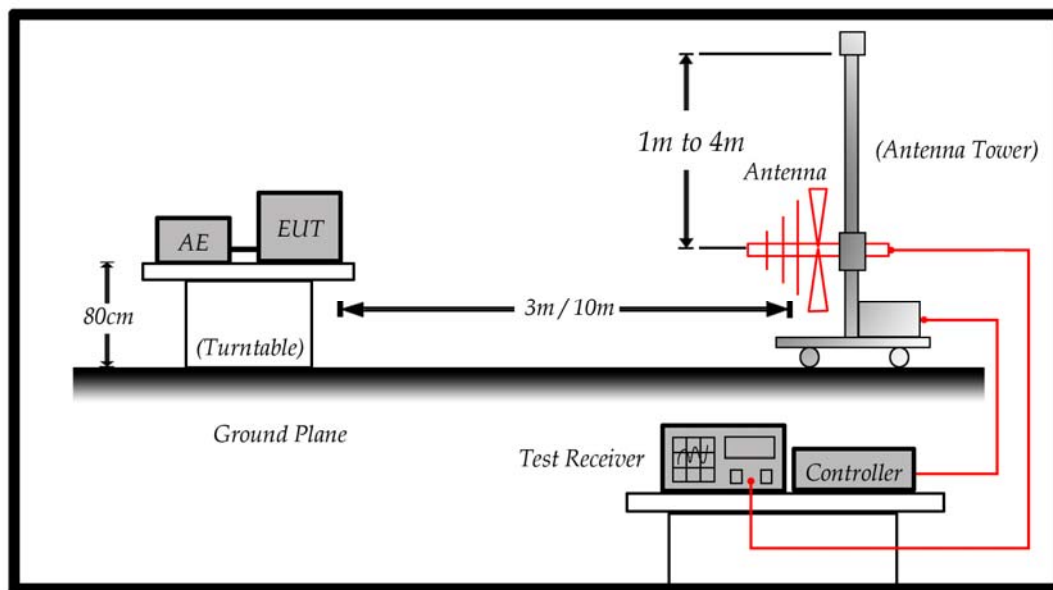
4. Radiated Emission

4.1. Test Specification

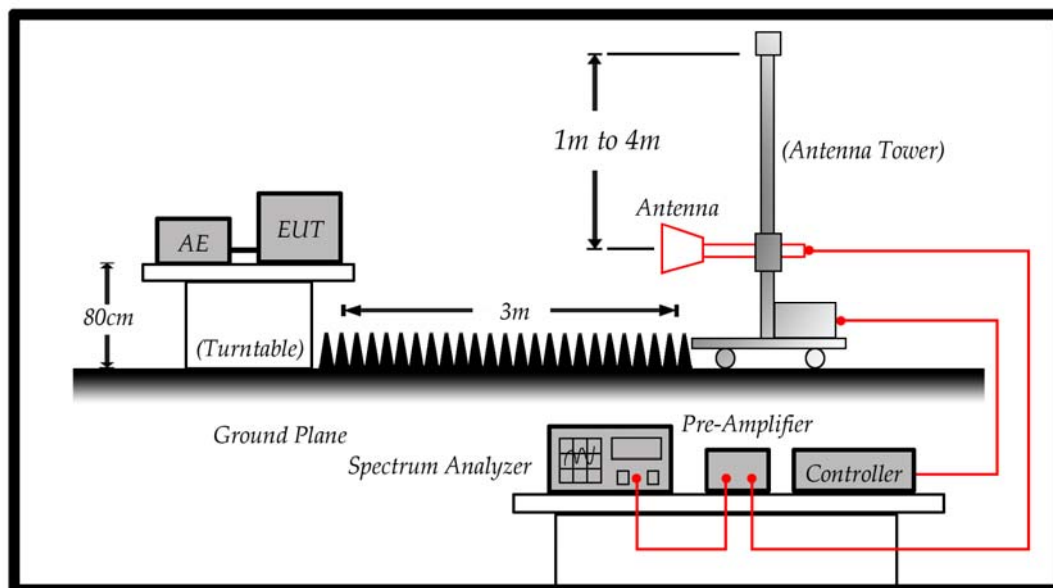
According to EMC Standard : FCC Part 15 Subpart B, ANSI C63.4

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	30
230 – 1000	10	37

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	3	40
88-216	3	43.5
216-960	3	46
Above 960	3	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 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.

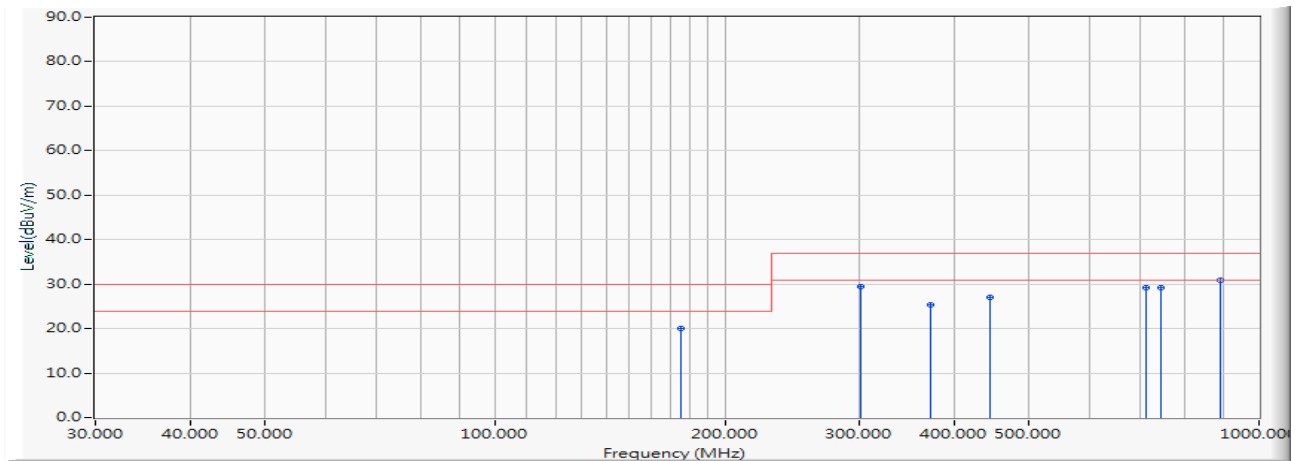
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

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 (R&S Test Receiver ESCS 30) is 120 kHz and above 1GHz is 1MHz.

4.5. Test Result

Site : SITE7	Time : 2017/01/24 - 19:01
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1606 - HORIZONTAL
Power : AC 120V/60Hz	Note: Mode 1

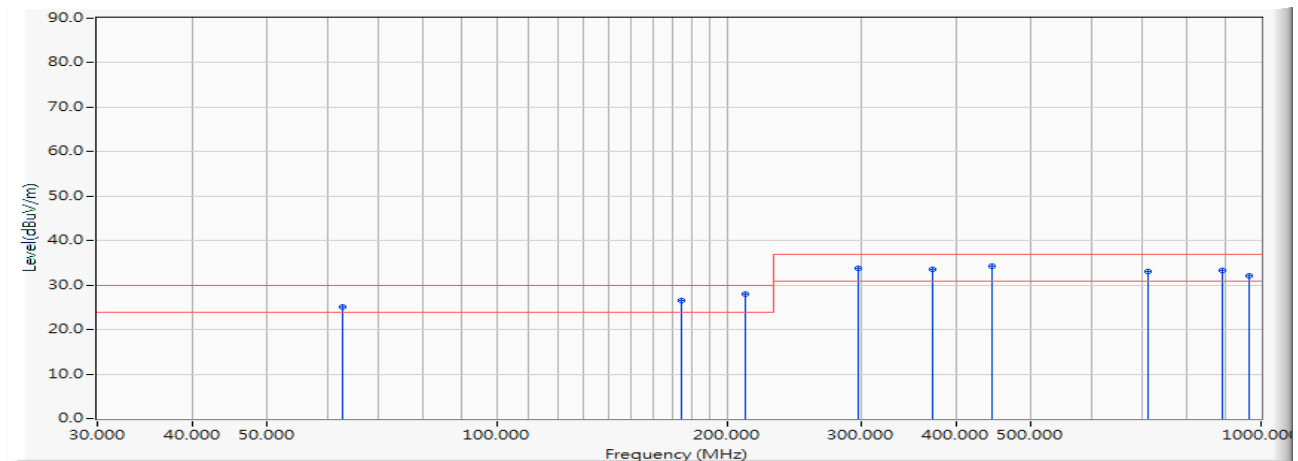


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	174.900	-13.919	34.000	20.081	-9.919	30.000	QUASIPeAK	390.000	126.000
2	301.000	-8.552	38.000	29.448	-7.552	37.000	QUASIPeAK	300.000	-22.000
3	371.250	-6.164	31.600	25.436	-11.564	37.000	QUASIPeAK	300.000	24.000
4	445.500	-3.609	30.600	26.991	-10.009	37.000	QUASIPeAK	200.000	116.000
5	711.070	1.144	28.000	29.144	-7.856	37.000	QUASIPeAK	120.000	133.000
6	742.500	1.996	27.100	29.096	-7.904	37.000	QUASIPeAK	125.000	-131.000
7	* 891.000	3.616	27.200	30.816	-6.184	37.000	QUASIPeAK	110.000	-106.000

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 : 2017/01/24 - 19:01
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1606 - VERTICAL
Power : AC 120V/60Hz	Note: Mode 1

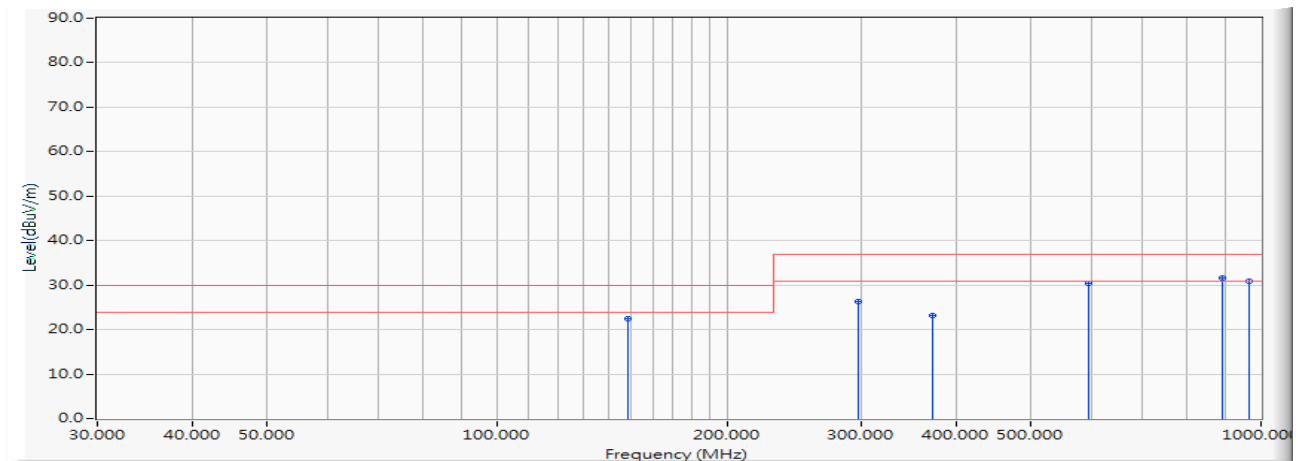


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	62.840	-19.123	44.200	25.077	-4.923	30.000	QUASIPeAK	100.000	142.000
2	174.600	-13.903	40.500	26.596	-3.404	30.000	QUASIPeAK	100.000	-42.000
3	* 211.740	-13.759	41.700	27.941	-2.059	30.000	QUASIPeAK	100.000	-182.000
4	297.000	-8.682	42.500	33.818	-3.182	37.000	QUASIPeAK	100.000	-99.000
5	371.250	-6.164	39.700	33.536	-3.464	37.000	QUASIPeAK	100.000	-8.600
6	445.500	-3.609	37.800	34.191	-2.809	37.000	QUASIPeAK	100.000	-97.000
7	711.070	1.144	31.800	32.944	-4.056	37.000	QUASIPeAK	250.000	56.600
8	891.010	3.616	29.800	33.416	-3.584	37.000	QUASIPeAK	210.000	-85.000
9	965.250	4.444	27.700	32.144	-4.856	37.000	QUASIPeAK	185.000	-116.000

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 : 2017/01/24 - 18:59
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1606 - HORIZONTAL
Power : POE	Note: Mode 2

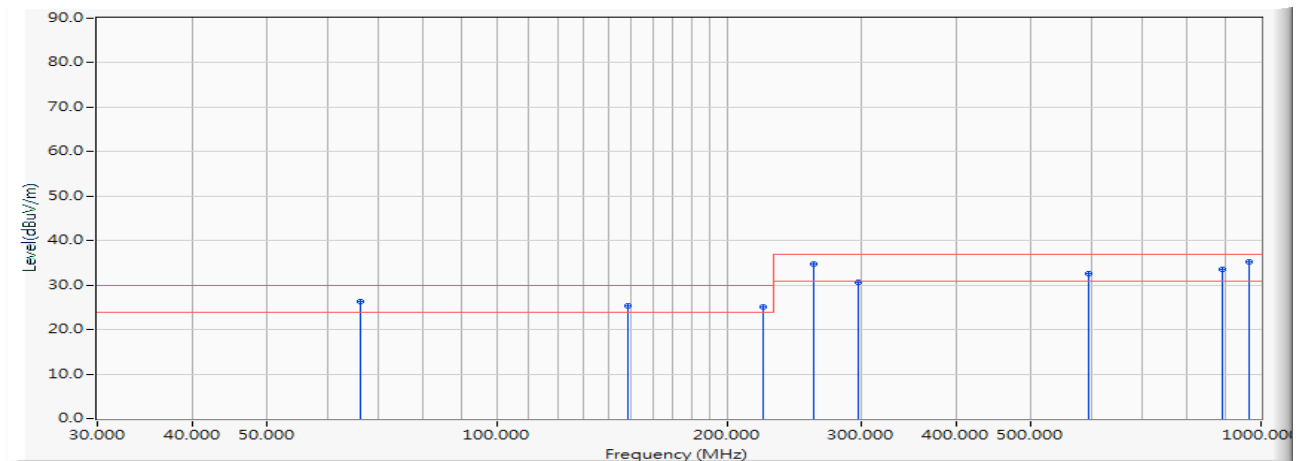


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		148.500	-13.173	35.700	22.527	-7.473	30.000	QUASIPeAK	400.000	-48.000
2		297.000	-8.682	35.000	26.318	-10.682	37.000	QUASIPeAK	390.000	-34.000
3		371.250	-6.164	29.400	23.236	-13.764	37.000	QUASIPeAK	280.000	131.000
4		594.000	-0.240	30.600	30.360	-6.640	37.000	QUASIPeAK	220.000	-29.000
5	*	891.000	3.616	28.000	31.616	-5.384	37.000	QUASIPeAK	100.000	-51.600
6		965.250	4.444	26.400	30.844	-6.156	37.000	QUASIPeAK	100.000	73.600

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 : 2017/01/24 - 18:59
Limit : CISPR_B_10M_QP	Margin : 6
EUT : Network Camera	Probe : Site7_CBL6112_10M_1606 - VERTICAL
Power : POE	Note: Mode 2

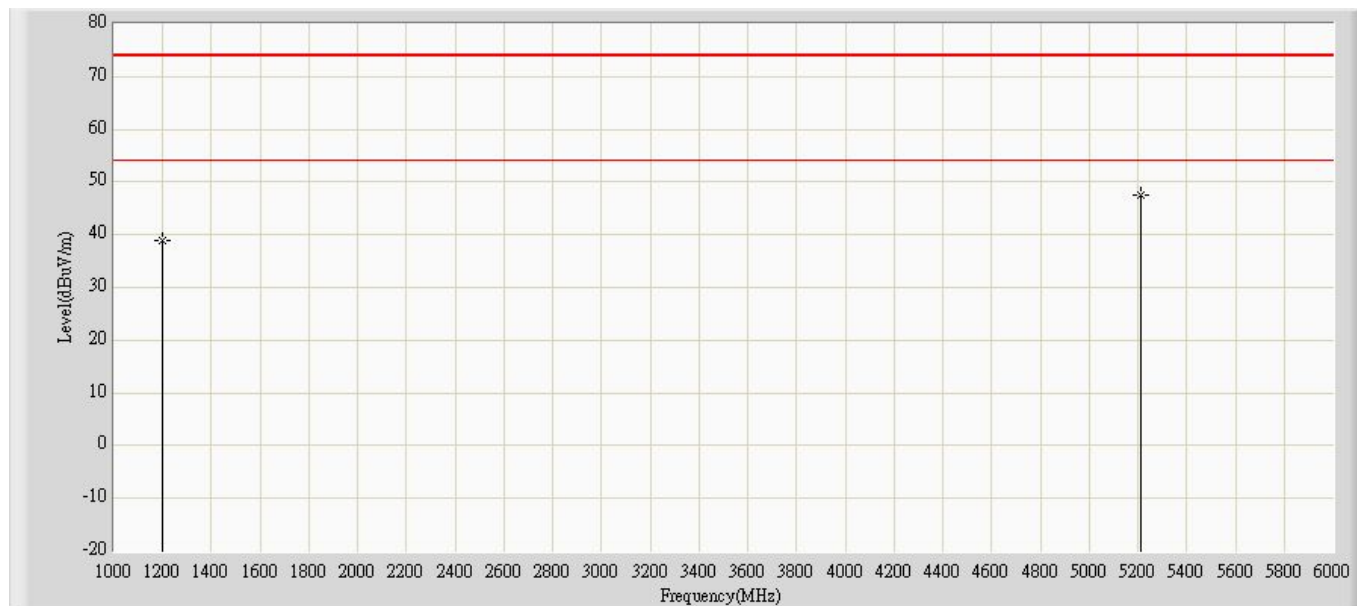


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	66.200	-18.832	45.100	26.269	-3.731	30.000	QUASIPeAK	100.000	133.000
2	148.500	-13.173	38.600	25.427	-4.573	30.000	QUASIPeAK	100.000	-121.000
3	222.750	-13.226	38.300	25.074	-4.926	30.000	QUASIPeAK	100.000	106.000
4	259.870	-8.762	43.600	34.838	-2.162	37.000	QUASIPeAK	100.000	158.000
5	297.000	-8.682	39.300	30.618	-6.382	37.000	QUASIPeAK	100.000	128.000
6	594.000	-0.240	32.800	32.560	-4.440	37.000	QUASIPeAK	310.000	-17.000
7	891.000	3.616	29.900	33.516	-3.484	37.000	QUASIPeAK	210.000	120.000
8	* 965.250	4.444	30.700	35.144	-1.856	37.000	QUASIPeAK	176.000	-116.000

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: 2017/02/06 - 18:34
Limit: FCC_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1607	Polarity: Horizontal
EUT: Network Camera	Power : AC 120V/60Hz
Note: Mode 1	

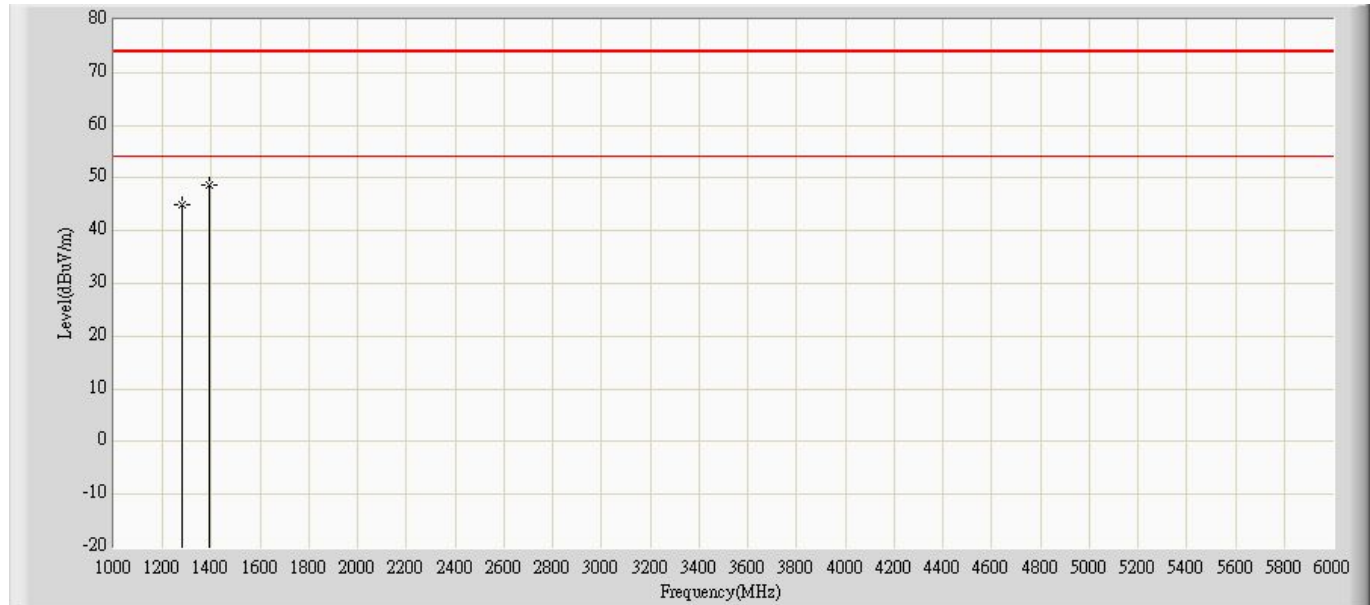


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Ant Pos (cm)	Table Pos (deg)	Type
1			1200.000	38.813	53.800	-35.187	74.000	-14.987	100	-85	PK
2		*	5210.000	47.446	49.400	-26.554	74.000	-1.955	100	-138	PK

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(Probe+Cable-Amp).

Site: CB7	Time: 2017/02/06 - 18:35
Limit: FCC_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1607	Polarity: Vertical
EUT: Network Camera	Power : AC 120V/60Hz
Note: Mode 1	

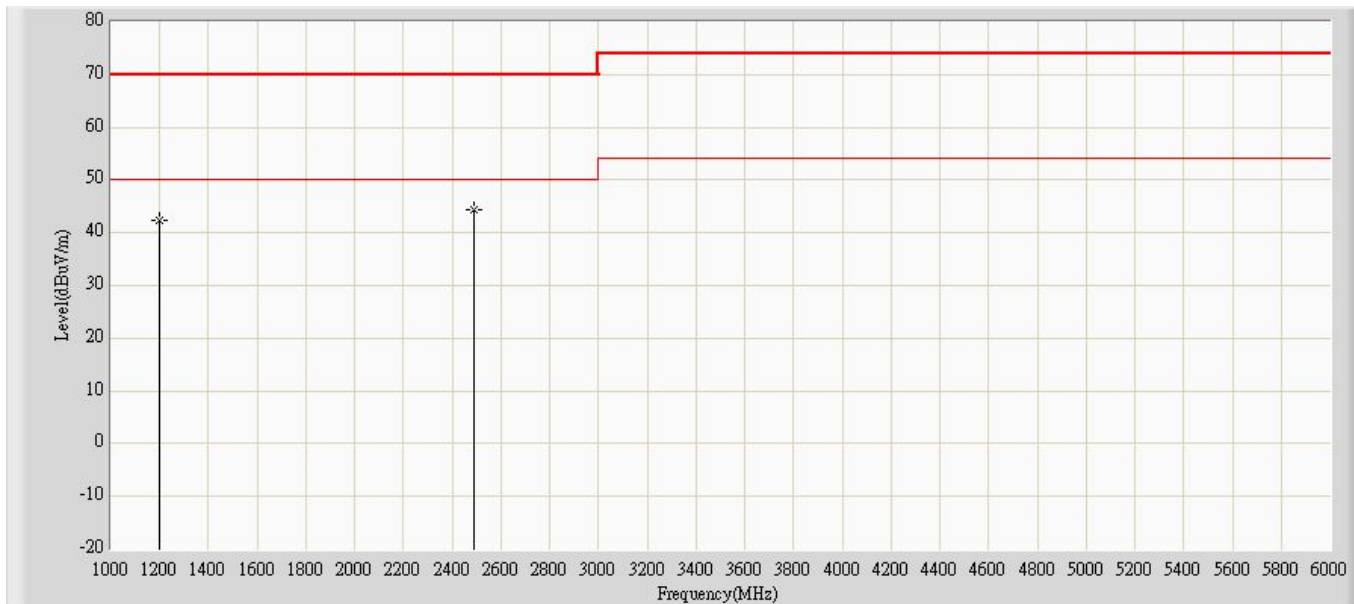


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Ant Pos (cm)	Table Pos (deg)	Type
1			1278.000	44.879	59.700	-29.121	74.000	-14.821	100	38.6	PK
2		*	1393.000	48.800	63.400	-25.200	74.000	-14.600	100	152	PK

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(Probe+Cable-Amp).

Site: CB7	Time: 2017/02/06 - 18:20
Limit: EN55022_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1607	Polarity: Horizontal
EUT: Network Camera	Power: PoE
Note: Mode 2	

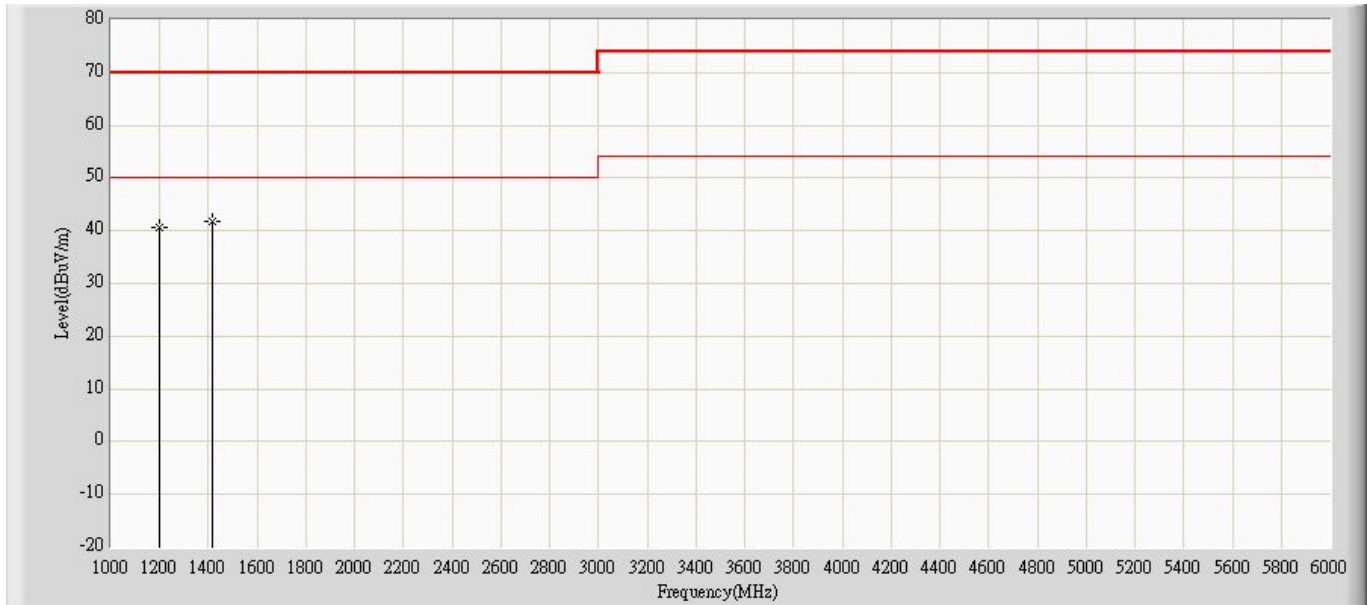


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			1200.000	42.313	57.300	-27.687	70.000	-14.987	PK
2		*	2490.000	44.466	52.500	-25.534	70.000	-8.035	PK

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(Probe+Cable-Amp).

Site: CB7	Time: 2017/02/06 - 18:25
Limit: EN55022_B_(Above_1G)	Margin: 0
Probe: CB7_Horn_3117_1607	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	Type
1			1200.000	40.713	55.700	-29.287	70.000	-14.987	PK
2		*	1416.000	41.782	56.300	-28.218	70.000	-14.517	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(Probe+Cable-Amp).

4.6. Test Photograph

Test Mode : Mode 1: DC 12V

Description : Front View of Radiated Test



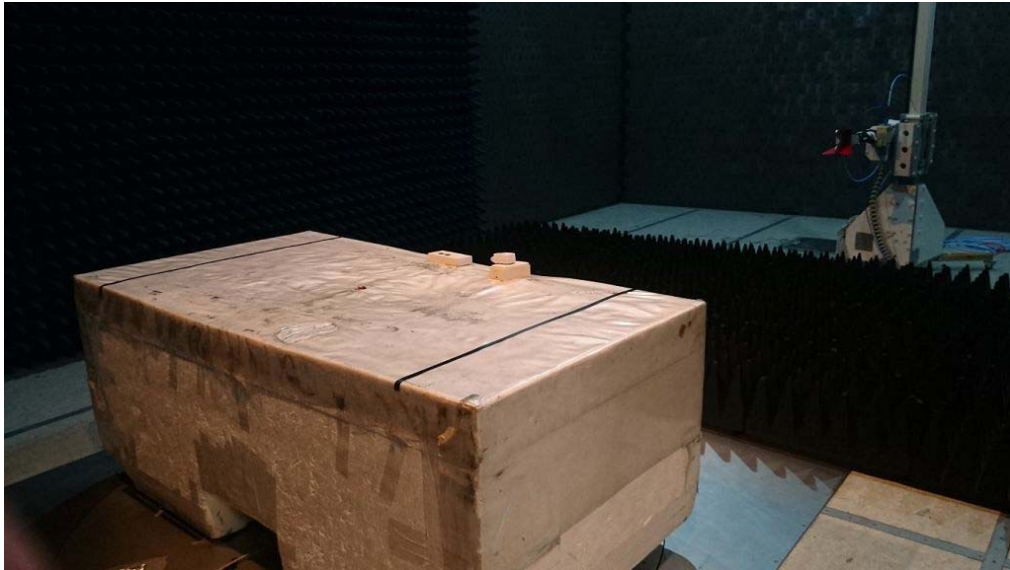
Test Mode : Mode 1: DC 12V

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

Description : Front View of Radiated Test



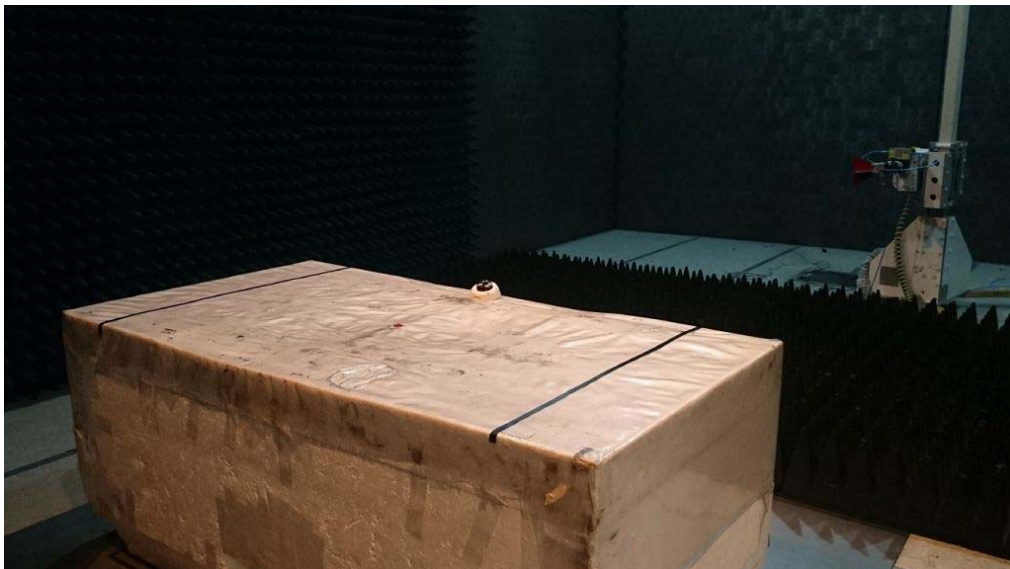
Test Mode : Mode 2: PoE

Description : Back View of Radiated Test



Test Mode : Mode 2: PoE

Description : Front View of High Frequency Radiated Test



5. Attachment

➤ EUT Photograph

(1) EUT Photo_MD8565-N (3.6mm)



(2) EUT Photo_MD8565-N (3.6mm)



(3) EUT Photo_MD8565-N (3.6mm)



(4) EUT Photo_MD8565-N (2.8mm)



(5) EUT Photo_MD8565-N (2.8mm)



(6) EUT Photo_MD8565-N (2.8mm)

