

Certificate of Test

May 2018

MSTronic CO., LTD.

Product Name : Power over Ethernet
Model Number : MIT-09G-56D, MIT-09X-VVFF (X=G with Gigabite module
or blank ; VV=Output Voltage for 24 or 48 or 56 ; FF=D(DETECTION) or blank)
FF= D (DETECTION) or R (REVERSE) or blank)
Test Report Number : 1803024F-01
Date of Test : May 04, 2018 – May 07, 2018

This product was tested according to the standards as below at the laboratory
of Global EMC Standard Tech. Corp..

Standards:
FCC CFR 47, Part 15 Subpart B, Class B
ANSI C63.4: 2014
Canadian ICES-003 issue 6 (2016)

[http : //www.gestek.com.tw](http://www.gestek.com.tw)



Sharon Chang, President

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Issue Date: May 29, 2018



DECLARATION OF CONFORMITY

Per FCC Part 2 Section 2. 1077(a)



hereby declares that the product

Product Name: Power over Ethernet

Model Number: MIT-09G-56D, MIT-09X-VVFF (X=G with Gigabite module or blank ; VV=Output Voltage for 24 or 48 or 56 ; FF=D(DETECTION) or blank)FF= D (DETECTION) or R (REVERSE) or blank)

Conforms to the following specifications:

FCC CFR 47, Part 15 Subpart B, Section 15.107(a), Section 15.109(a),
Class B Digital Device

Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name : _____

Address: _____

Telephone number: _____

Signature : _____

Date : _____



**Test Report
Application for
Declaration of Conformity
on Behalf of**

MSTronic CO., LTD.

EUT: Power over Ethernet

**Model Number: MIT-09G-56D, MIT-09X-VVFF (X=G with Gigabite
module or blank ; VV=Output Voltage for 24 or 48 or 56 ;
FF=D(DETECTION) or blank)FF= D (DETECTION) or R (REVERSE)
or blank)**

**Prepared for:
MSTronic CO., LTD.**

**2F., NO.12, Gong shang Rd., Wugu Dist, New Taipei City 248,
Taiwan (R.O.C.)**

**Report By : Global EMC Standard Tech. Corp.
No.3, Baodoucuokeng, Linkou Dist.,
New Taipei City 244, Taiwan (R.O.C.)
Tel : 886-2-2603-5321
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Test results given in this report only relate to the specimen(s) tested, measured.
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The client should not use it to claim product endorsement by TAF or any government agencies.
All data in this report are traceable to national standard or international standard.

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1. CERTIFICATION

Applicant : **MSTronic CO., LTD.**
EUT Description : Power over Ethernet
Model Number : MIT-09G-56D, MIT-09X-VVFF (X=G with Gigabite module or blank ; VV=Output Voltage for 24 or 48 or 56 ; FF=D(DETECTION) or blank)FF= D (DETECTION) or R (REVERSE) or blank)
Serial Number : N/A
Brand Name : MSE

MEASUREMENT PROCEDURES USED:

- ☒ **CFR 47, Part 15** Radio Frequency Device Subpart B Unintentional Radiators Class B
- ☒ **CISPR 22 3rd Edition:1997** Limits and methods of measurement of radio disturbance Characteristics of information technology equipment: 1997
- ☒ **ANSI C63.4** Methods of Measurements of Radio-Noise Emissions from Low- Voltage Electrical and Electronic Equipment in the range of 9kHz To 40GHz: 2014
- ☒ **Canadian ICES-003 issue 6 (2016)** Information Technology Equipment (ITE) - Limits and methods of measurement, CAN/CSA-CISPR22-10

THE MEASUREMENT SHOWN IN THE ATTACHMENT WAS MADE IN ACCORDANCE WITH THE PROCEDURES INDICATED, AND THE MAXIMUM ENERGY EMITTED BY THE EQUIPMENT WAS FOUND TO BE WITHIN THE ABOVE LIMITS APPLICABLE.

Sample Received Date : March 23, 2018
Date of Test : May 04, 2018 – May 07, 2018
Issue Date : May 29, 2018

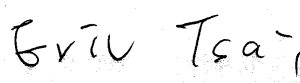
In order to ensure the quality and accuracy of this document, the contents have been thoroughly reviewed by the following qualified personnel from Global EMC Standard Tech. Corp.

Documented By :



Susan Chen / Report Author

Tested By :



Eric Tsai / Eng. Dept. Supervisor

Approved By :



Frederic Fang / Assistant Manager

2. SUMMARY OF TEST RESULTS

The worst emission data was found as following

STANDARD	TEST ITEM	TEST RESULT	REMARKS
(1)FCC Part 15 (2)CISPR 22 3 rd Edition:1997 (3)Canadian ICES-003 issue 6 (2016) Class B	Conducted emission (Mode 2)	PASS	The worst emission frequency is <u>16.2273</u> MHz. And minimum passing margin is <u>-4.27</u> dB. The measurement uncertainty is 4.40 dB.
	Radiated emission (Mode 2)	PASS	The worst emission frequency is <u>61.0400</u> MHz at <u>Vertical</u> . And minimum passing margin is <u>-5.88</u> dB. Height of antenna is <u>100</u> cm. Angle of turntable is <u>227</u> °. The measurement uncertainty is 4.33 dB.

2.1 UNCERTAINTY DESCRIPTION

According to CISPR 16-4-2,

The measure level is compliance with the limit if

$$L_m < L_{lim} \text{ and } L_m + U(L_m) < L_{lim} + U_{cispr} = L_{eff}$$

Where,

U_{cispr} = Uncertainty value specified in Table 1 of CISPR 16-4-2

Measurement		U_{cispr}
Conducted disturbance (mains port)	(150 kHz – 30 MHz)	3.6 dB
Radiated disturbance (OATS or ATS)	(30 MHz – 1000 MHz)	5.2 dB

L_m = Measure value

L_{lim} = Emission limit level

$U(L_m)$ = Uncertainty value of test laboratory

L_{eff} = Effective emission limit level

The above stated condition will be taking as a criterion for pass/fail determination.

3. GENERAL INFORMATION

3.1 PRODUCTION DESCRIPTION

Product Name : Power over Ethernet
Model Number : MIT-09G-56D, MIT-09X-VVFF (X=G with Gigabite module or blank ; VV=Output Voltage for 24 or 48 or 56 ; FF=D(DETECTION) or blank)FF= D (DETECTION) or R (REVERSE) or blank)
Brand Name : MSE
Serial Number : N/A
Applicant : MStronic CO., LTD.
Address : 2F., NO.12, Gong shang Rd., Wugu Dist, New Taipei City 248, Taiwan (R.O.C.)
Manufacturer : MStronic CO., LTD.
Address : 2F., NO.12, Gong shang Rd., Wugu Dist, New Taipei City 248, Taiwan (R.O.C.)
Power Supply : Input: 100V-240V, 50-60Hz;
Output: MIT-09G-24: 24V
MIT-09G-48: 48V
MIT-09G-56D: 56V
Power Cord : 3Pins, 1.8m, Non-Shielded, Non-Core

3.2 TEST MODES & EUT COMPONENTS DESCRIPTION

Test Mode	Mode 2 – Pre-Scan	Mode 2 – Worst Case	Mode 3 – Pre-Scan
Test Model Number	MIT-09G-24	MIT-09G-48	MIT-09G-56D
Mother Board	MStronic CO., LTD., M/N: MIT-09		

Note:

1. According to pre-scan data, we determine the data (Mode 2) shown in this test report, which reflects the worst-case data for each operation mode.
2. The EUT has serial model numbers for the requirement of marketing.

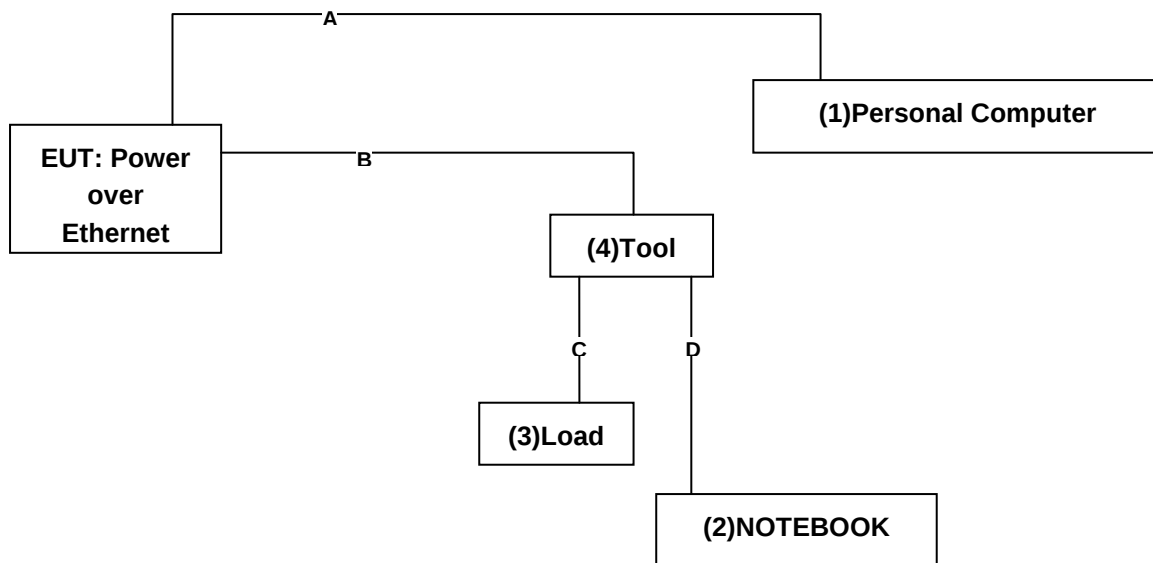
3.3 CONFIGURATION OF THE TESTED SYSTEM

The FCC IDs/Types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards, which have grants) are:

Item	Device	No.	Configuration
1	Personal Computer	ACER L001432	Model Name : Aspire M1935 System Number : UDSJRTA2283481DB2B0000 Mother Board : IPIBM-AR Manufacturer : ACER CPU : Intel Celeron G1620 2.7G 2M 55W SDRAM : 4GB DDR III H.D.D. : 500GB SATA O.D.D : Super Multi VIDEO : Built-in Graphics AUDIO : Integrated audio LAN : Integrated LAN 10/100/1000 FDD : None S.P.S : FSP ATX-250PA(1)
2	Notebook	-----	Manufacturer : Dell Model Number : XPS502
3	LOAD	-----	Load: 46.2Ω
4	Tool	-----	Manufacturer : MStronic CO., LTD. Model Number : Tool

Note: All the peripherals above were selected specifically after confirming that there is no impact on test results.

3.4 BLOCK DIAGRAM OF CONNECTIONS BETWEEN EUT AND SIMULATORS



Signal Cable Description of the above support units				
No.	Signal Cable Description	Shielded	Core type	Length (m)
A	RJ45 Cable	☐ Yes ☒ No	☒ No ☐ 1(near EUT) ☐ 1(near Aux) ☐ 2	3
B	RJ45 Cable	☐ Yes ☒ No	☒ No ☐ 1(near EUT) ☐ 1(near Aux) ☐ 2	3
C	RJ45 Cable	☐ Yes ☒ No	☒ No ☐ 1(near EUT) ☐ 1(near Aux) ☐ 2	0.15
D	RJ45 Cable	☐ Yes ☒ No	☒ No ☐ 1(near EUT) ☐ 1(near Aux) ☐ 2	1

3.5 LAB AMBIENT

Items	Range Requirement
Temperature (°C)	10-40
Humidity (%RH)	10-90
Barometric pressure (mbar)	860-1060

3.6 TEST FACILITY AUTHORIZATION AND ACCREDITATION

Global EMC Standard Tech. Corp. is accredited in respect of laboratory and the accreditation criteria is ISO/IEC 17025: 2005.

AUTHORIZATION	
FCC SITE DESCRIPTION	Aug. 10, 1995 /Aug. 25, 1998 File on FCC Engineering Laboratory Federal Communications Commission Designation Number: TW1031, TW1032

ACCREDITATION	
Taiwan Accreditation Foundation (TAF)	Recognized by the Council of Taiwan Accreditation Foundation and confirmed to meet the requirements of ISO/IEC 17025. Registration No.: 1082 Registration on TAF effective through Sep. 18, 2018

4. CONDUCTED EMISSION MEASUREMENT

4.1 TEST EQUIPMENTS

Item	Instrument	Manufacturer	Model	S/N or Version	Next Cal. Date
1	TEST RECEIVER	RS	ESCS30	100392	2019.03.14
2	L.I.S.N.(EUT)	RS	ENV216	100108	2019.03.26
3	CABLE	GTK	N/A	GTK-E-A154-01	2019.01.06
4	Software	FARAD	EZ-EMC	2A1.1(USB)	N/A

Note: 1. All equipments are calibrated and will be valid only for a period of 1 year.

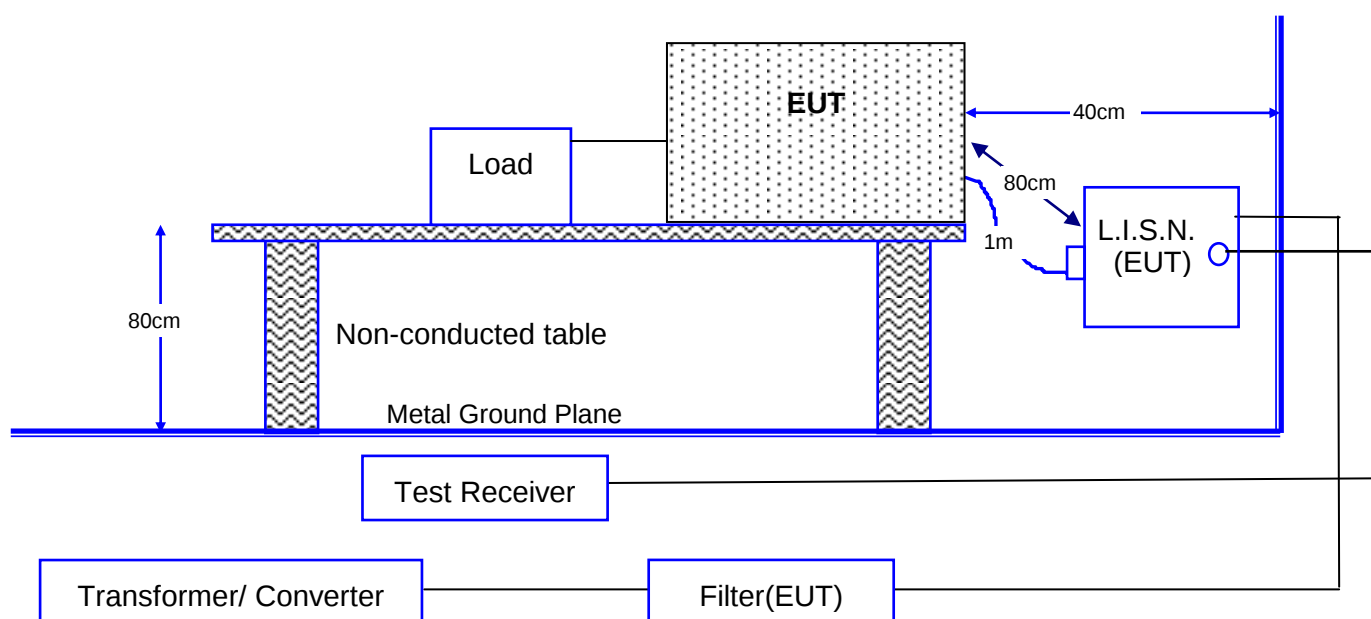
2. The test was performed at GTK Shielded Room A9.

4.2 TEST METHOD

According to CISPR 22 3rd Edition:1997

ANSI C63.4: 2014

4.3 BLOCK DIAGRAM OF TEST SETUP



Note: This is a representative setup diagram for Table-top EUT.

For Floor-standing EUT, the table will be removed with all others setup condition remain the same.

4.4 CONDUCTED EMISSION LIMITS

Frequency	Voltage limits dB(μV)	
	Class B	
MHz	QUASI-PEAK	AVERAGE
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5.0	56	46
5.0 to 30	60	50

Remarks : In the Above Table, the tighter limit applies at the band edges.

4.5 TEST CONFIGURATION ON MEASUREMENT

The equipments that are listed in section 4.1 are installed on Conducted Power Line Test in order to meet the requirement of the Commission and operating in a manner, which tends to maximize its emission characteristics in a normal application.

The device under test, installed in a representative system as described in section 4.3, was placed on a non-conductive table whose total height equal to 80cm. Powered from one L.I.S.N. which signal output to receiver, and the other peripherals was powered from another L.I.S.N. which signal output was terminated by 50Ω.

4.6 CONDUCTED EMISSION MEASURED PROCEDURE AND DATA

The measurement range of conducted emission, which is from 0.15 MHz to 30 MHz, was scan for peak emission curve of all the test modes. The worst mode is then measured using an average and/or quasi peak detector and record at least the disturbance levels and the frequencies of the six highest disturbances. The final measurement value is equal to the receiver reading plus the correction factor. If AMN insertion loss is more than 0.5dB, automatically the receiver will add the correction factor to the reading level.

4.7 OPERATING CONDITIONS OF THE EUT

The exercise program used during conducted emission measurement was designed to exercise the EUT in a manner similar to a typical use. The exercise sequence is listed as below:

1. Setup the EUT and simulators as shown on 4.3.
2. Turn on the power of all equipments.
3. Boot the P.C. from Hard Disk and setup the video to Windows XP, active all devices.
4. Connect the PC and run test program "test.bat".
5. The EUT exchange the information with the PC.
6. Adjust to appropriate video resolution.
7. Active other internal devices such as network function.
8. Run "EMC" test program under Windows XP.
9. P.C. sent "H" pattern to monitor, make the "H" pattern full in the screen.
10. P.C. sent "H" pattern to parallel and serial port.
11. Repeat above steps.

4.8 CONDUCTED EMISSION MEASUREMENT RESULTS

Date of Test	May 07, 2018	Temperature	25 °C
EUT	Power over Ethernet	Humidity	57 %
Test Mode	Mode 2	Display Pattern	N/A
Test Power Supply	AC 120V/60Hz		

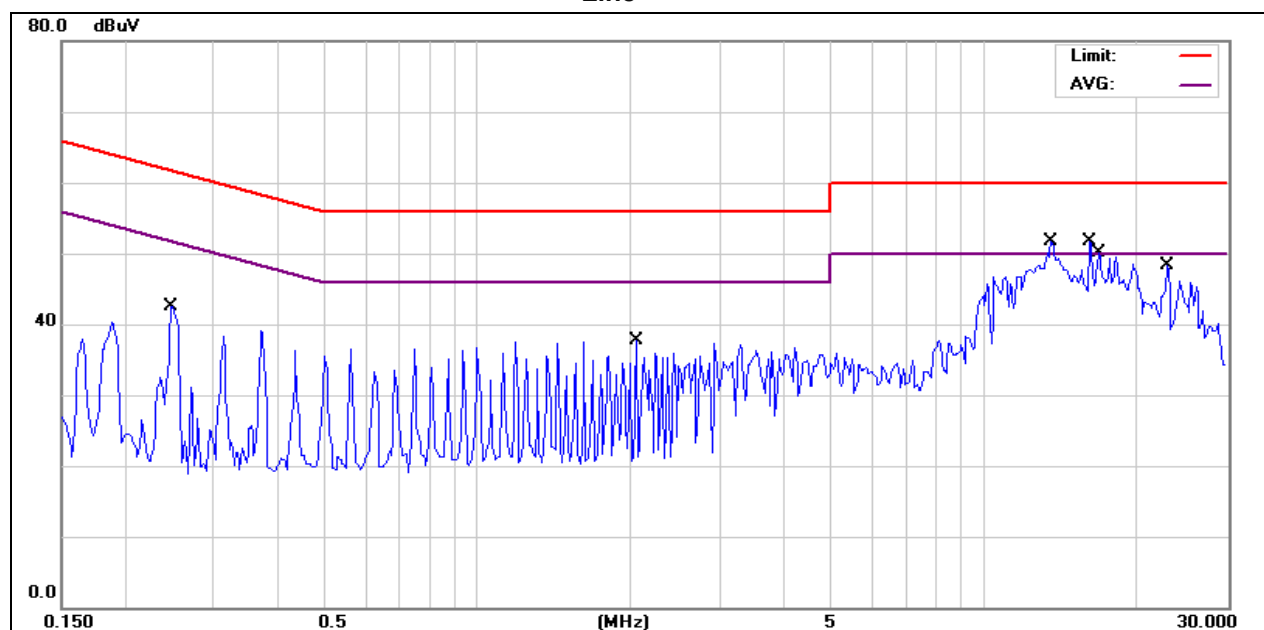
Line

No.	Frequency MHz	Reading Level dBμV	Factor dB	Measurement dBμV	Limit dBμV	Over Limit dB	Detector
1	0.2484	31.72	9.76	41.48	61.81	-20.33	QP
2	0.2484	25.47	9.76	35.23	51.81	-16.58	AVG
3	2.0628	23.40	10.02	33.42	56.00	-22.58	QP
4	2.0628	16.32	10.02	26.34	46.00	-19.66	AVG
5	13.5974	37.04	10.51	47.55	60.00	-12.45	QP
6	13.5974	28.68	10.51	39.19	50.00	-10.81	AVG
7	16.2273	40.54	10.53	51.07	60.00	-8.93	QP
8	★16.2273	35.20	10.53	45.73	50.00	-4.27	AVG
9	16.9021	37.32	10.53	47.85	60.00	-12.15	QP
10	16.9021	33.27	10.53	43.80	50.00	-6.20	AVG
11	23.0667	32.14	10.53	42.67	60.00	-17.33	QP
12	23.0667	30.20	10.53	40.73	50.00	-9.27	AVG

Remarks :

1. All readings are Quasi-peak and Average values.
2. Measurement = Reading + Factor (Could have ± 0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = L.I.S.N. insertion loss + cable loss
5. “★” means that this data is the worse case measurement level.
6. The measurement uncertainty is 4.40 dB.

Line



- Remark:
1. The Limit (The red line of the graph indicates the quasi-peak measurements).
 2. The AVG (The purple line of the graph indicates the average measurements).
 3. The scan curve indicates peak detector measurement.

Date of Test	May 07, 2018	Temperature	25 °C
EUT	Power over Ethernet	Humidity	57 %
Test Mode	Mode 2	Display Pattern	N/A
Test Power Supply	AC 120V/60Hz		

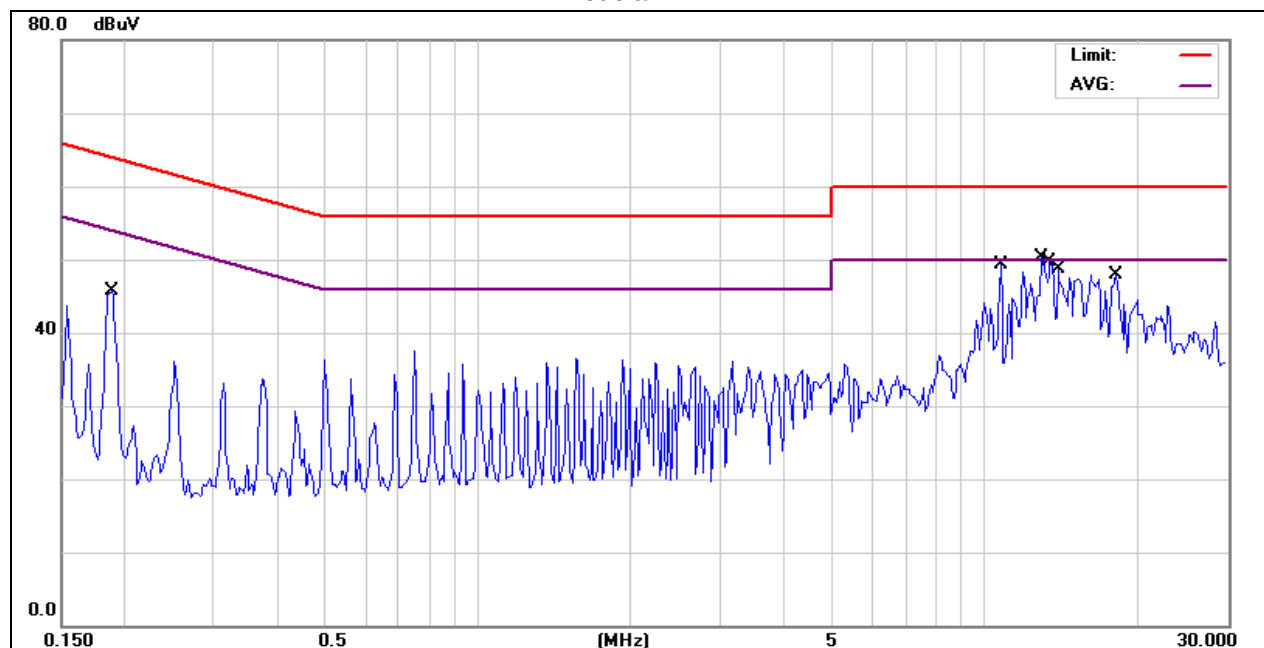
Neutral

No.	Frequency MHz	Reading Level dBμV	Factor dB	Measurement dBμV	Limit dBμV	Over Limit dB	Detector
1	0.1885	35.12	9.76	44.88	64.10	-19.22	QP
2	0.1885	28.26	9.76	38.02	54.10	-16.08	AVG
3	10.8000	32.00	10.52	42.52	60.00	-17.48	QP
4	10.8000	23.68	10.52	34.20	50.00	-15.80	AVG
5	13.0412	37.98	10.56	48.54	60.00	-11.46	QP
6	13.0412	29.32	10.56	39.88	50.00	-10.12	AVG
7	13.6027	39.14	10.57	49.71	60.00	-10.29	QP
8	★13.6027	32.92	10.57	43.49	50.00	-6.51	AVG
9	14.0293	35.12	10.58	45.70	60.00	-14.30	QP
10	14.0293	31.06	10.58	41.64	50.00	-8.36	AVG
11	18.2375	28.98	10.65	39.63	60.00	-20.37	QP
12	18.2375	26.05	10.65	36.70	50.00	-13.30	AVG

Remarks :

1. All readings are Quasi-peak and Average values.
2. Measurement = Reading + Factor (Could have ± 0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = L.I.S.N. insertion loss + cable loss
5. “★” means that this data is the worse case measurement level.
6. The measurement uncertainty is 4.40 dB.

Neutral



- Remark:
1. The Limit (The red line of the graph indicates the quasi-peak measurements).
 2. The AVG (The purple line of the graph indicates the average measurements).
 3. The scan curve indicates peak detector measurement.

5. RADIATED EMISSION MEASUREMENT

5.1 TEST EQUIPMENT

The following test equipments are used during the radiated emission tests:

Item	Instrument	Manufacturer	Model	S/N or Version	Next Cal. Date
1	TEST RECEIVER	RS	ESCS30	100392	2019.03.14
2	SPECTRUM	RS	FSU26	200882	2018.08.03
3	PRE-AMPLIFIER	HP	87405A	3207A01713	2019.03.23
4	BILOG ANTENNA	SCHWARZBECK	VULB 9168	9168-251	2018.05.22
5	CABLE	GTK	N/A	GTK-E-A344-01	2019.04.06
6	Software	FARAD	EZ-EMC	2A1.1(USB)	N/A

Note: 1. All equipments are calibrated and will be valid only for a period of 1 year.

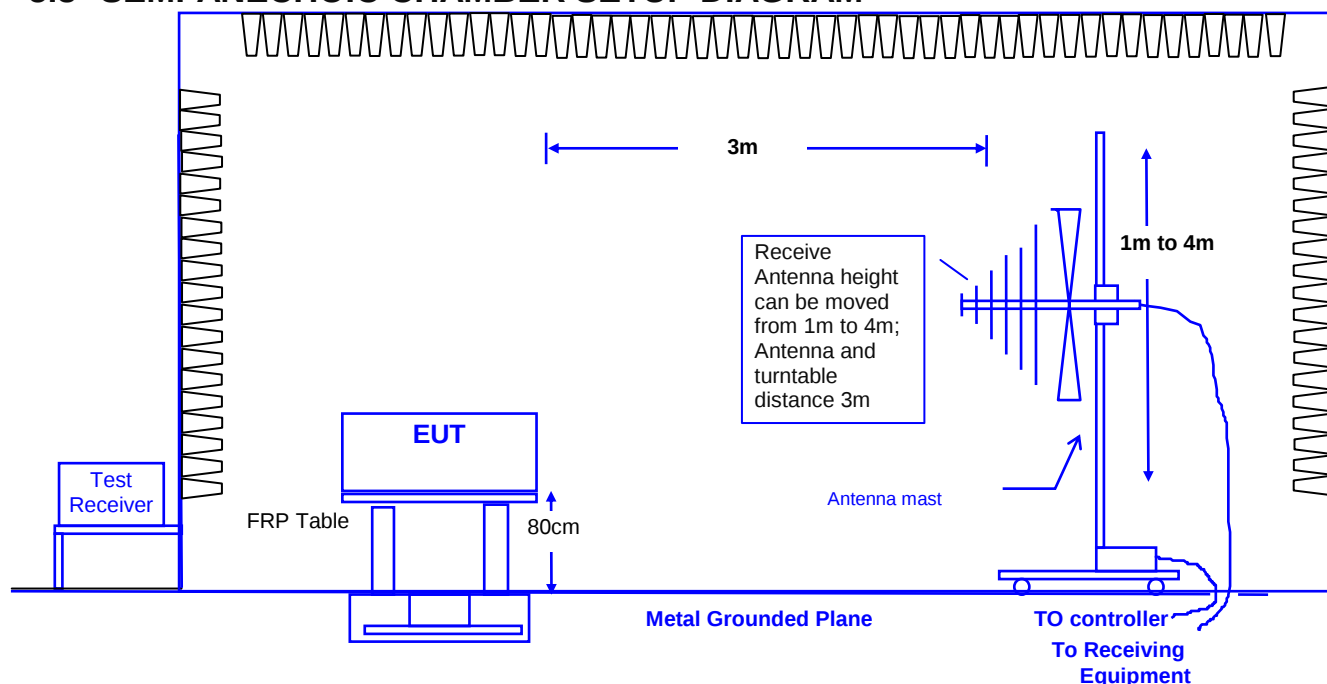
2. The test was performed at GTK Chamber A6.

5.2 TEST METHOD

According to CISPR 22 3rd Edition:1997

ANSI C63.4: 2014

5.3 SEMI-ANECHOIC CHAMBER SETUP DIAGRAM



Note: This is a representative setup diagram for Table-top EUT.

For Floor-standing EUT, the table will be removed with all the other setup conditions remain the same.

5.4 RADIATED EMISSION LIMIT

☒ 47CFR Part 15 subpart B section 15.109(a)

Frequency	FCC Class B		
	Distance	Field Strength	
MHz	Meter	$\mu\text{V/m}$	$\text{dB}\mu\text{V/m}$
30 to 88	3	100	40.0
88 to 216	3	150	43.5
216 to 960	3	200	46.0
Above 960 ^{1,2}	3	500	54.0

Note:1. Frequencies above 1000 MHz, the limits are based on the use of measurement instrumentation employing an average detector function.

2. The peak radio frequency emissions were 20 dB above the maximum permitted Average emission limit applicable to the equipment under test.

(Refer 47CFR Part 15 subpart B section 15.35(b))

☐ Alternative radiated emission limits(47CFR Part 15 subpart B section 15.109(g))

Frequency	CISPR 22 Class B	
	Distance	Field Strength
MHz	Meter	$\text{dB}(\mu\text{V/m})$
30 to 230	10	30
230 to 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.

5.5 TEST CONFIGURATION

The equipment which is listed 5.1 are installed on Radiated Emission Test to meet the Commission requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

The device under test, installed in a representative system as described in section 5.3., was placed on a non-conductive table whose total height equaled 80 cm. This table can be rotated 360 degree. The measurement antenna was mounted to a non-conductive mast capable of moving the antenna vertically. Antenna height was varied from 1 meter to 4 meters and the system under test was rotated from 0 degree through 360 degrees relative to the antenna position and polarization (Horizontal and Vertical). Also the I/O cable position was investigated to find the maximum emission condition.

5.6 OPERATING CONDITION OF EUT

Same as section 4.7.

5.7 RADIATED EMISSION DATA

According 47CFR PART 15 subpart B section 15.33(b)(1), 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 rang (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

Remark: The highest tested frequency is generated by the 66kHz.
At least, the upper frequency of measurement range is 1GHz.

5.7.1 30 MHz to 1 GHz

The measurement range of radiated emission, which is from 30 MHz to 1 GHz, was investigated. All readings are quasi-peak values with a resolution bandwidth of 120 kHz. The initial step in collecting radiated emission data is a spectrum analyzer peak scans of the measurement range for all the test modes and then use test receiver for final measurement and record at least the disturbance levels and the frequencies of the six highest disturbances. Then the worst modes were reported the following data pages.

5.8 RADIATED EMISSIONS MEASUREMENT RESULTS

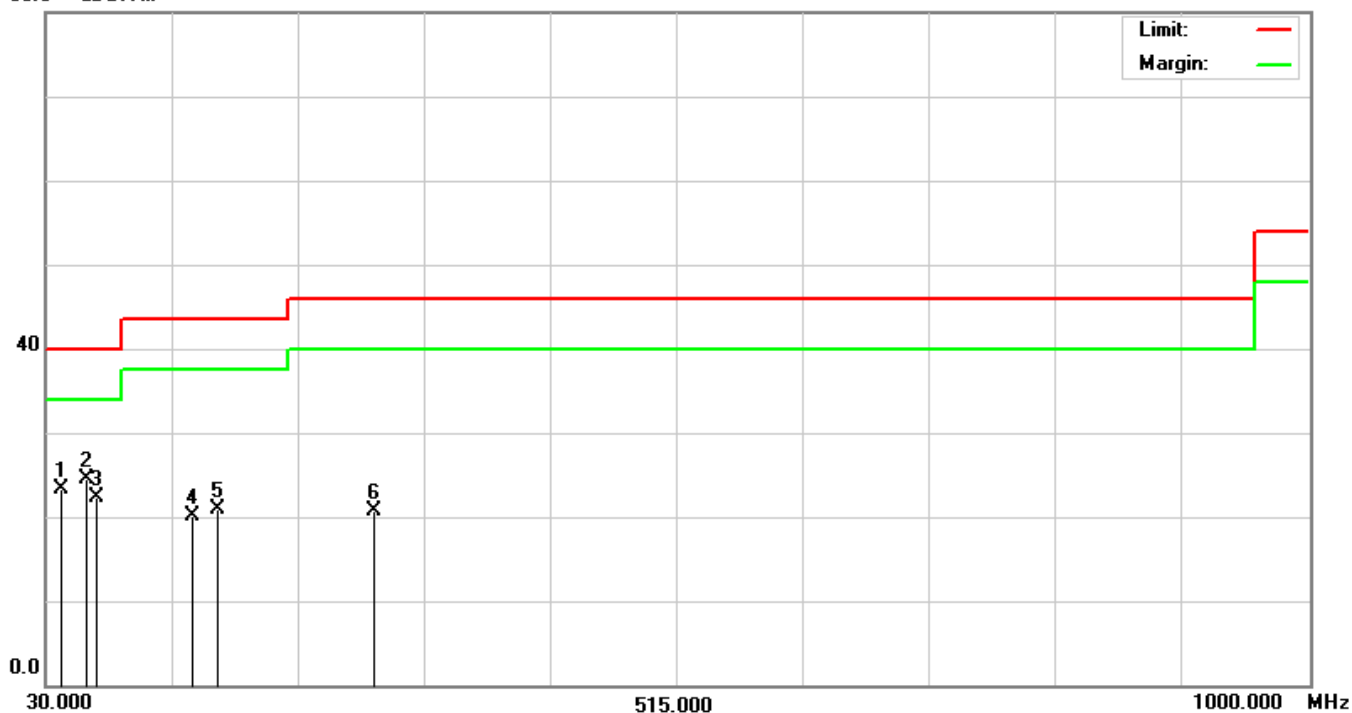
Date of Test	May 04, 2018	Temperature	20 deg/C
EUT	Power over Ethernet	Humidity	57 %RH
Working Cond.	Mode 2	Display Pattern	H Pattern
Antenna distance	3m at Horizontal	Test Frequency Range	30-1000MHz
Test Power Supply	AC 120V/60Hz		

No.	Frequency MHz	Reading Level dBμV	Factor dB	Measurement dBμV/m	Limit dBμV/m	Over Limit dB	Detector
1	41.6400	31.67	-8.37	23.30	40.00	-16.70	QP
2	★61.0400	32.91	-8.38	24.53	40.00	-15.47	QP
3	68.8000	32.09	-9.75	22.34	40.00	-17.66	QP
4	142.5200	28.65	-8.45	20.20	43.50	-23.30	QP
5	162.8900	28.95	-7.99	20.96	43.50	-22.54	QP
6	283.1700	28.16	-7.45	20.71	46.00	-25.29	QP

Remarks:

1. All Readings below 1GHz are Quasi-Peak.
2. Measurement = Reading + Factor (Could have ± 0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss – amplifier gain.
5. “★” means that this data is the worst case measurement level.
6. The antenna height could have ± 1 cm tolerance and the turn table degree could have $\pm 1^\circ$ tolerance.
7. The measurement uncertainty is 4.33 dB.

80.0 dBμV/m



- Remark:
1. The Limit (The red line of the graph indicates the quasi -peak measurements).
 2. The Margin (The green line of the graph indicates the 6dB margin).

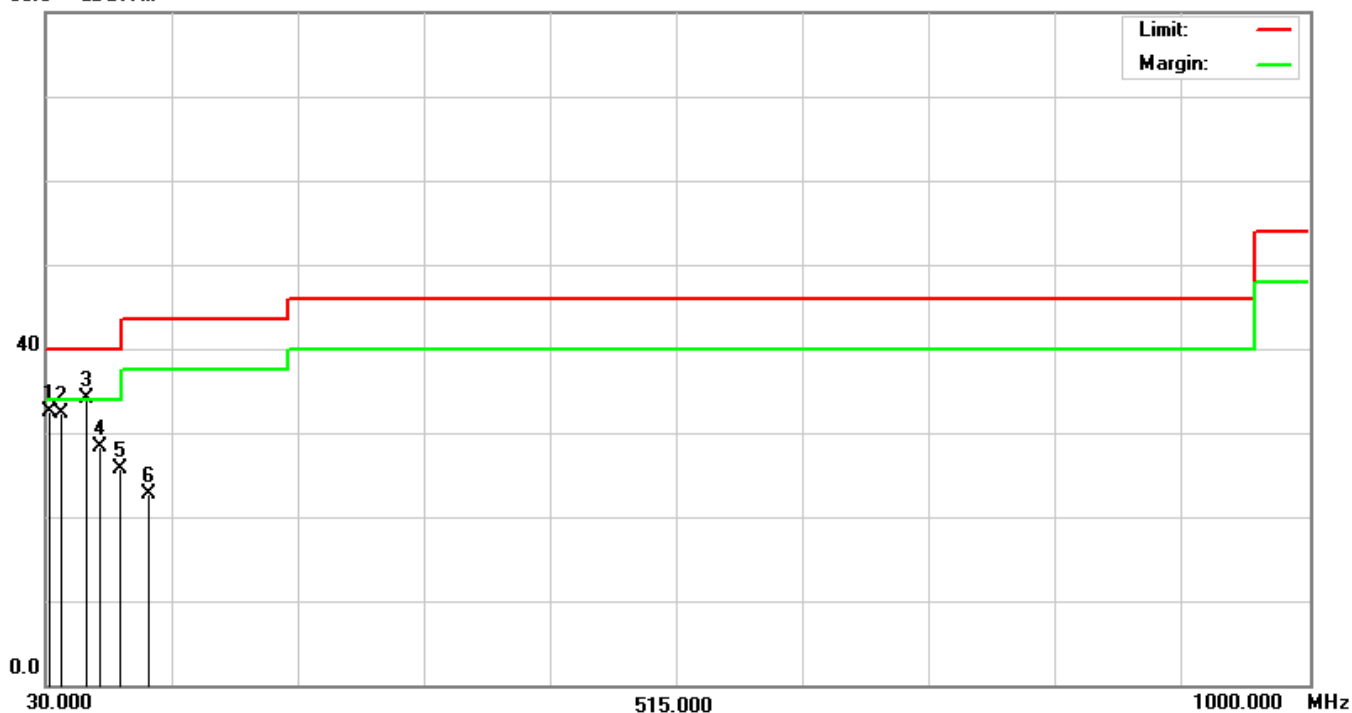
Date of Test	May 04, 2018	Temperature	20 deg/C
EUT	Power over Ethernet	Humidity	57 %RH
Working Cond.	Mode 2	Display Pattern	H Pattern
Antenna distance	3m at Vertical	Test Frequency Range	30-1000MHz
Test Power Supply	AC 120V/60Hz		

No.	Frequency MHz	Reading Level dB μ V	Factor dB	Measurement dB μ V/m	Limit dB μ V/m	Over Limit dB	Detector
1	32.9100	41.02	-8.56	32.46	40.00	-7.54	QP
2	42.6100	40.40	-8.09	32.31	40.00	-7.69	QP
3	★61.0400	42.50	-8.38	34.12	40.00	-5.88	QP
4	71.7100	38.65	-10.37	28.28	40.00	-11.72	QP
5	87.2300	39.13	-13.40	25.73	40.00	-14.27	QP
6	109.5400	33.91	-11.11	22.80	43.50	-20.70	QP

Remarks:

1. All Readings below 1GHz are Quasi-Peak.
2. Measurement = Reading + Factor (Could have ± 0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss – amplifier gain.
5. “★” means that this data is the worst case measurement level.
6. The antenna height could have ± 1 cm tolerance and the turn table degree could have $\pm 1^\circ$ tolerance.
7. The measurement uncertainty is 4.33 dB.

80.0 dB μ V/m



- Remark:
1. The Limit (The red line of the graph indicates the quasi -peak measurements).
 2. The Margin (The green line of the graph indicates the 6dB margin).

6. PHOTOGRAPHS FOR TEST

6.1 TEST PHOTOGRAPHS FOR CONDUCTION

Mode 2



6.2 TEST PHOTOGRAPHS FOR RADIATED

Mode 2-(30 MHz to 1 GHz)



7. PHOTOGRAPHS FOR PRODUCT

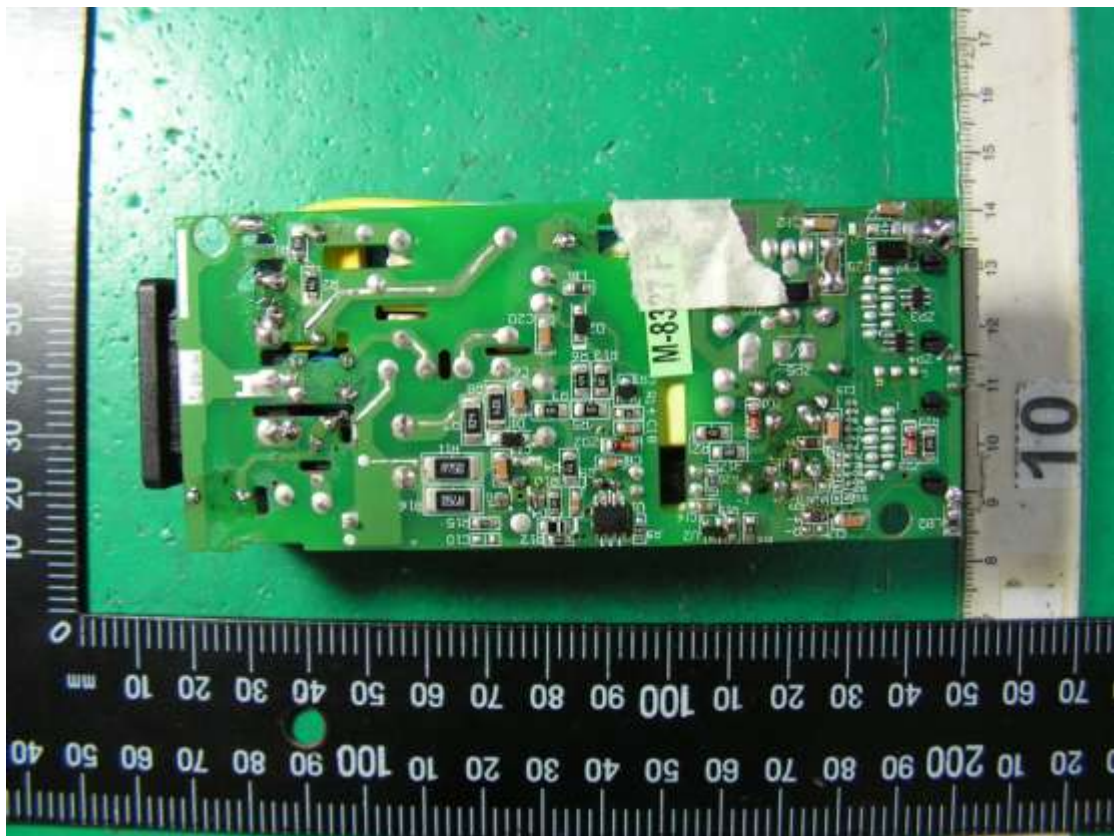
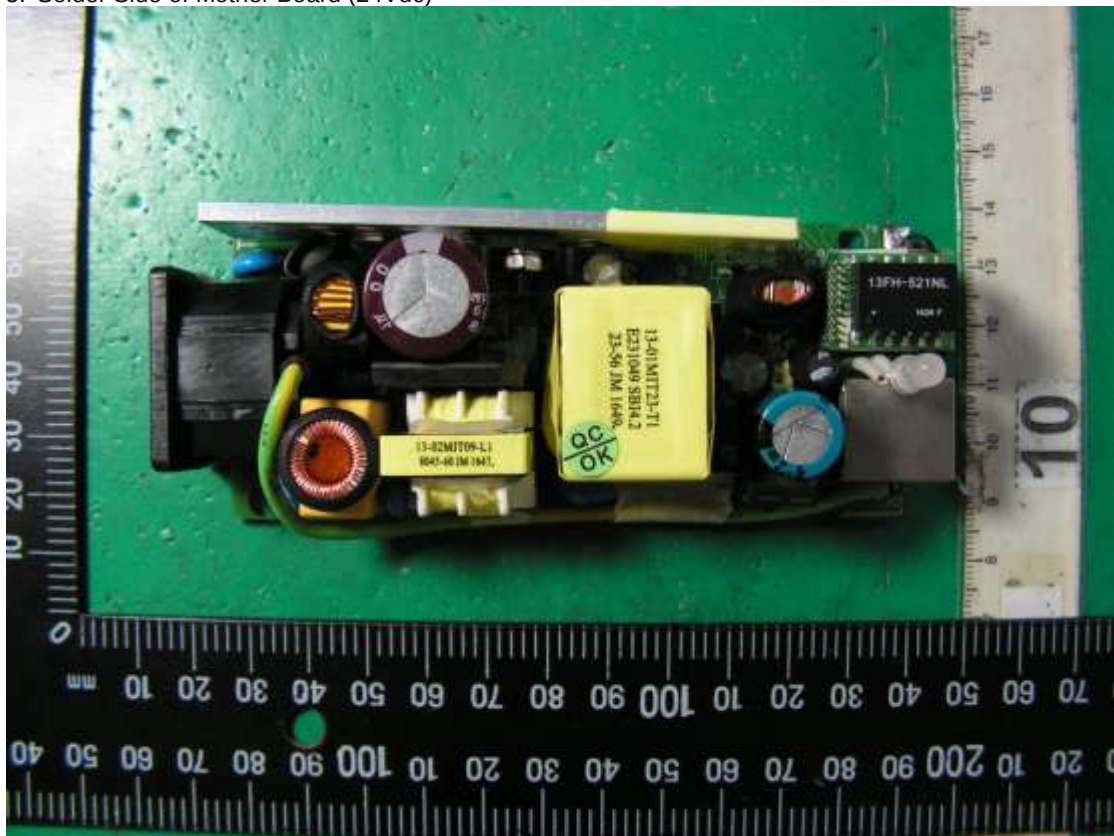
1. Front View of Power over Ethernet. (EUT)
2. Back View of Power over Ethernet. (EUT)



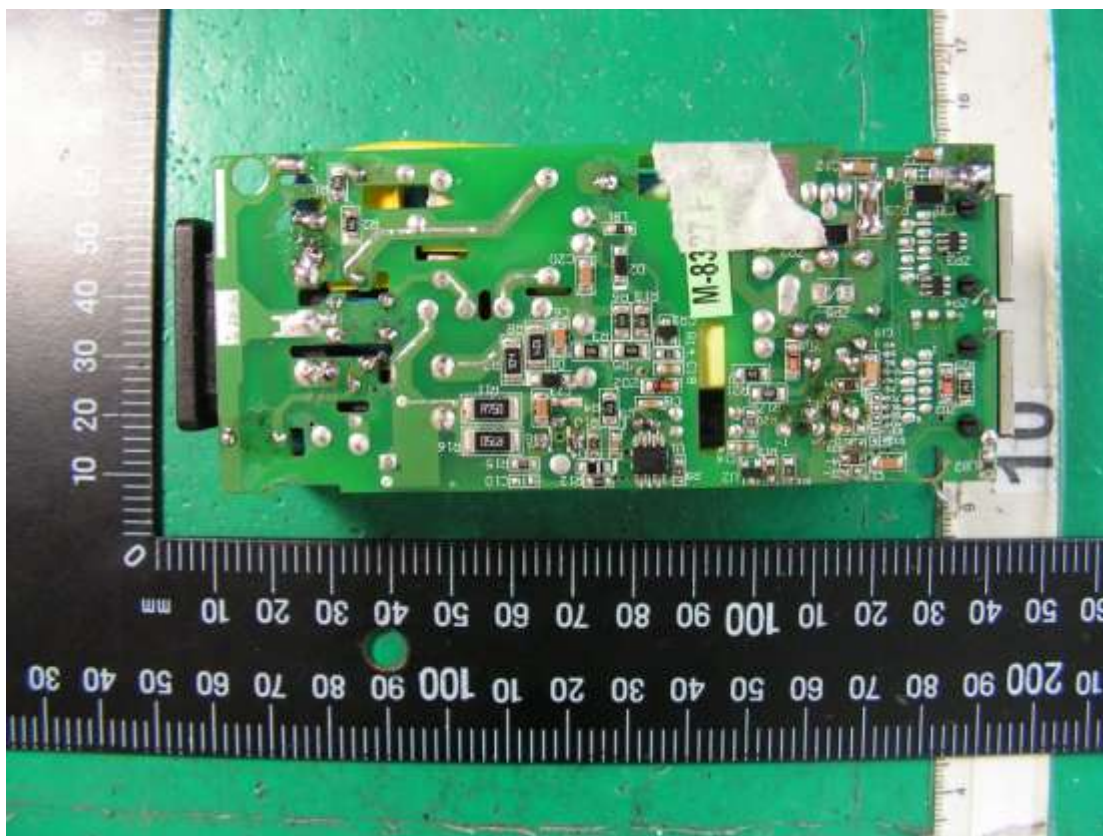
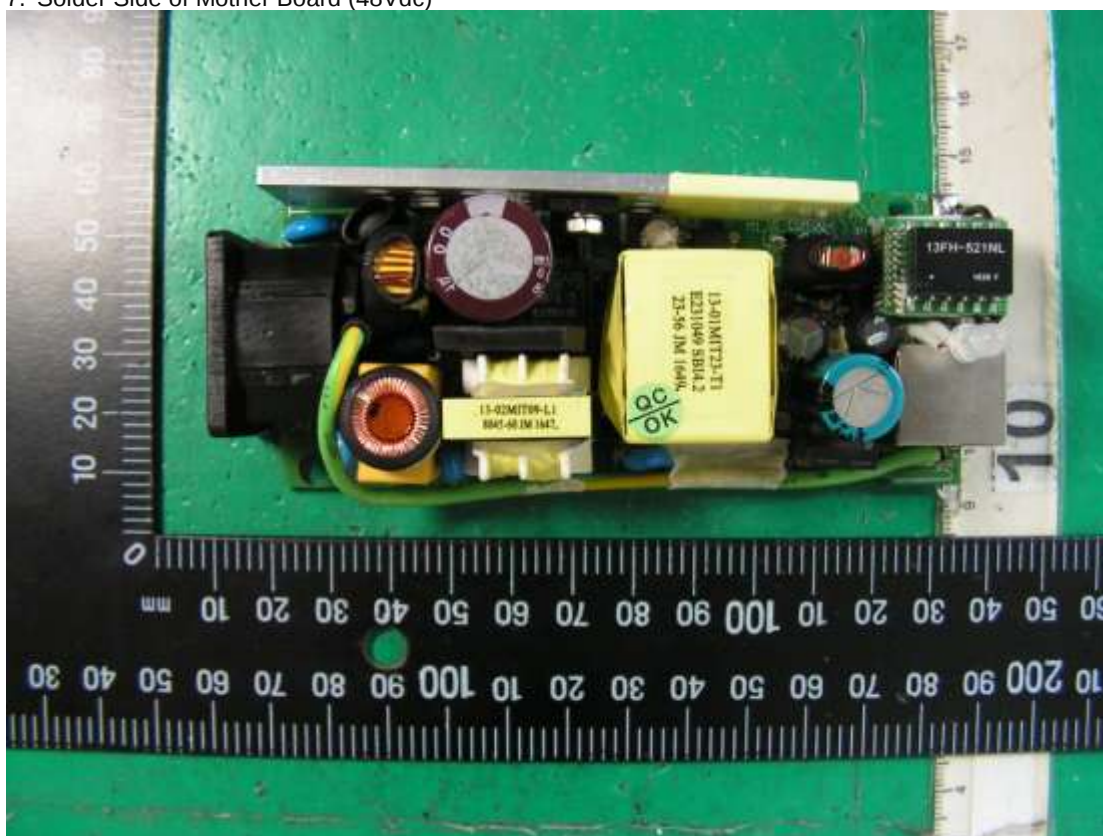
3. Inner View of Power over Ethernet. (EUT)



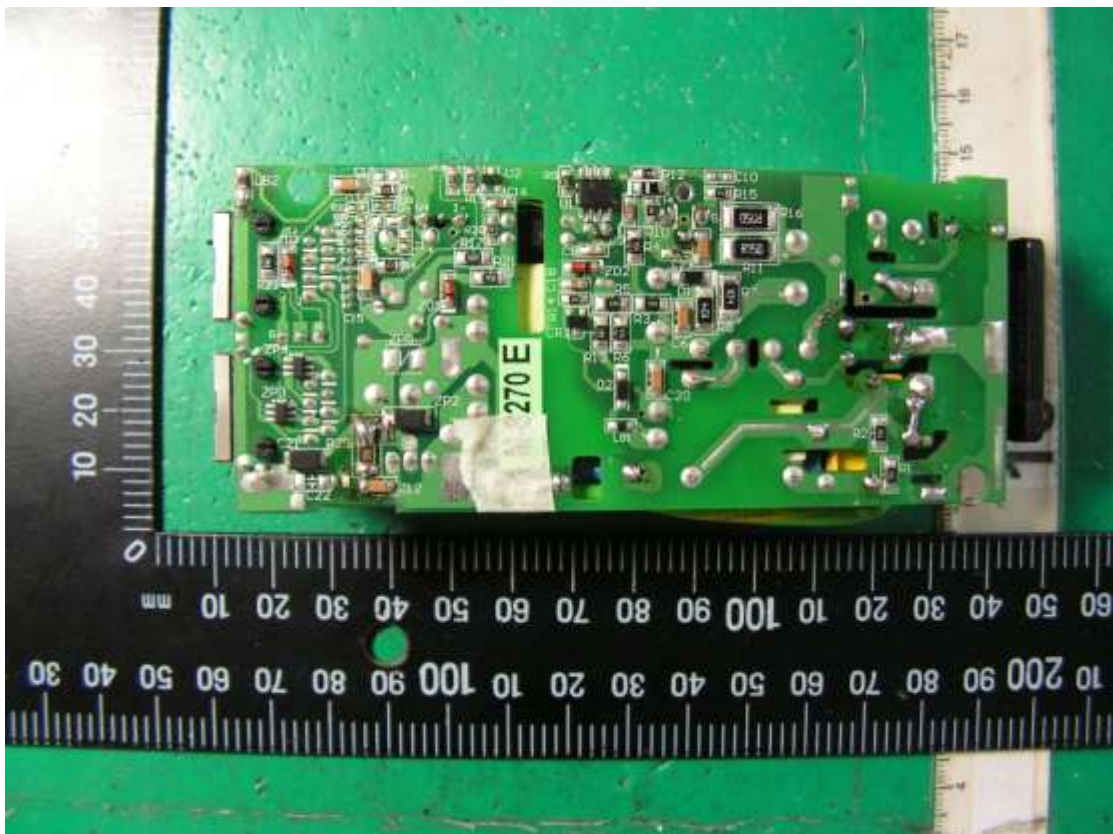
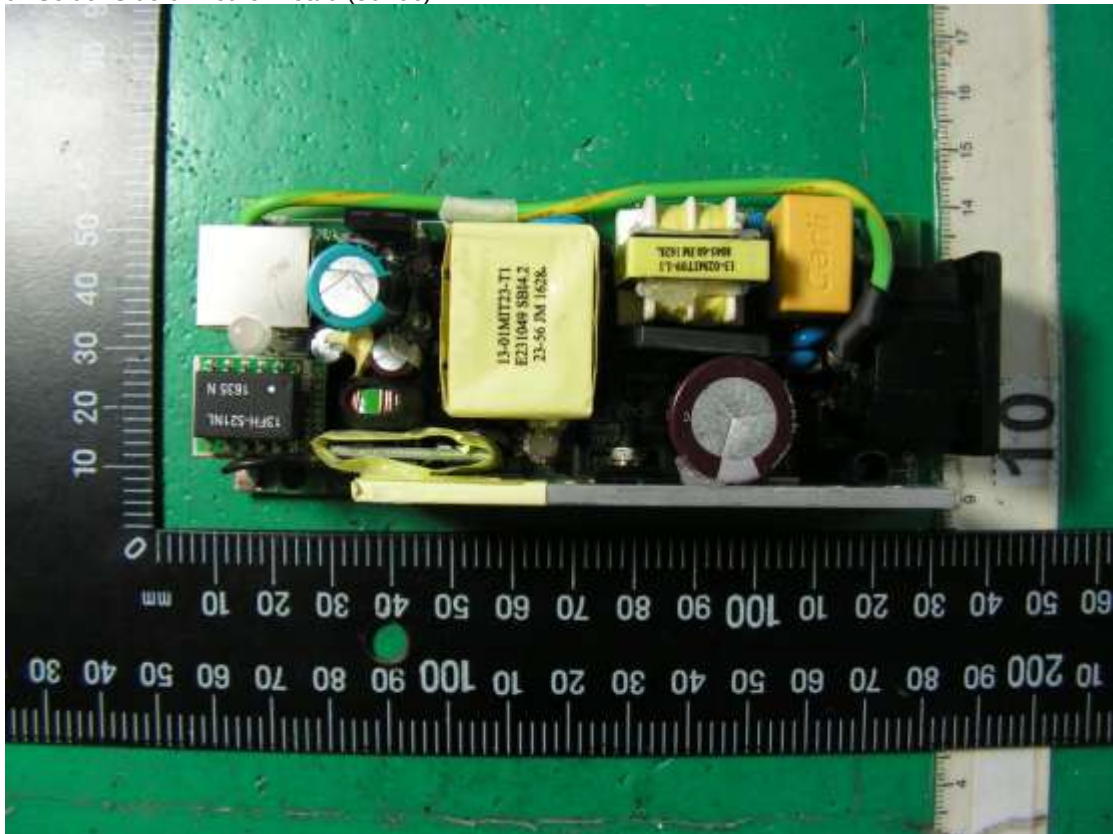
4. Component Side of Mother Board (24Vdc)
5. Solder Side of Mother Board (24Vdc)



6. Component Side of Mother Board (48Vdc)
7. Solder Side of Mother Board (48Vdc)



8. Component Side of Mother Board (56Vdc)
9. Solder Side of Mother Board (56Vdc)



Appendix A

Circuit (Block) Diagram

(Shall be added by Applicant)

Appendix B

User Manual

(Shall be added by Applicant)