

ATTESTATION OF CONFORMITY



Attestation No.:	SEFD1807072-B
Applicant / Holder:	LG Electronics USA
Address:	1000 Sylvan Avenue Englewood Cliffs New Jersey United States
Product / Test Item:	LCD Monitor
Model / Type Reference:	24BK550##, 24BL550## <i>(The symbol “#” in the model name can be any alphanumeric character or blank)</i>

The submitted sample(s) have been tested with the following standard(s) and found to be in compliance with the essential requirements:

Standard(s)

Applicable to ANSI C63.4 – 2014

(The Information Technology Equipment)

That this product has been assessed against the following Applicable Standards
CISPR PUB. 22, FCC Part 15 Subpart B and ICES 003 Issue 6

The measurements shown in this test report may issue a Supplier's Declaration of Conformity and apply the FCC mark.



Miro Chueh EMC/RF B.U. Manager
2018-08-24

Cerpass Technology Corporation

- Cerpass Technology (Suzhou) Co.,Ltd
No.66, Tangzhuang Rd., Suzhou Industrial Park, Jiangsu 215006, China



EMC TEST REPORT

According to

**47 CFR, Part 15B, CISPR PUB. 22
ICES-003 issue 6**

Applicant : LG Electronics USA

Address : 1000 Sylvan Avenue Englewood Cliffs New
Jersey United States

Equipment : LCD Monitor

Model No. : 24BK550##, 24BL550##
(The symbol “#” in the model name can be any
alphanumeric character or blank)

I HEREBY CERTIFY THAT :

The sample was received on Aug.18, 2018 and the testing was carried out on Aug. 18, 2018 at *Cerpass Technology (Suzhou) Co.,Ltd*. The test result refers exclusively to the test presented test model / sample. Without written approval of *Cerpass Technology (Suzhou) Co.,Ltd*, the test report shall not be reproduced except in full.

Approved by:

Miro Chueh
EMC/RF B.U. Manager



EMC TEST REPORT

Issued by:

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The test record, data evaluation & Equipment. Under Test configurations represented herein are true and accurate accounts of the measurements of the samples EMC characteristics under the conditions specified in this report.



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**History of this test report**

Report No.	Issue Date	Description
TEFD1611200	Nov. 30, 2016	Original
TEFD1612010	Dec. 06, 2016	Second edition: 1. Add Panel: LGM238LC4
TEFD1612010-B	Mar. 29, 2018	Third edition(Update the standard)
SEFD1807072	Jul. 24, 2018	Fourth edition(Add panel:LM238WF1)
SEFD1807072-B	Aug. 21, 2018	Fifth edition(Add a model name:24BL550##)



1. Summary of Test Procedure and Test Result

1.1. Applicable Standards

FCC

The measurements shown in this test report were made in accordance with the procedures given in ANSI C63.4 – 2014 and the energy emitted by this equipment was passed Part 2, Part 15, CISPR PUB. 22.

Canada

The measurements shown in this test report were made in accordance with the procedures given in Canada ICES-003 issue 6 section 3.a and 3.b.

The energy emitted by this equipment was passed both Radiated and Conducted Emissions Class **B** limits.

Test Item	Normative References	Test Result
Conducted Emission	ANSI C63.4-2014, FCC Part 15 Subpart B, KDB17416, Canada ICES-003 issue 6	PASS
Radiated Emission	ANSI C63.4-2014, FCC Part 15 Subpart B, KDB17416, Canada ICES-003 issue 6	PASS



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Original:

LCD Monitor	Model No.	24BK550## (The symbol “#” in the model name can be any alphanumeric character or blank)
	Remark	24BK550Y was selected as the test model and its data have been recorded in this report.
	Panel	LG \ LGM238CA41
Power Cable	Non-shielding, 1.5 & 1.8m	
HDMI Cable	Shielded, 1.5 & 1.8m	
VGA Cable	Shielded, 1.5 & 1.8m	
DVI Cable	Shielded, 1.5 & 1.8m	
Display Cable	Shielded, 1.5 & 1.8m	

First edition:

LCD Monitor	Model No.	24BK550## (The symbol “#” in the model name can be any alphanumeric character or blank)
	Remark	24BK550Y was selected as the test model and its data have been recorded in this report.
	Panel	LG \ LGM238LC4
Power Cable	Non-shielding, 1.5 & 1.8m	
HDMI Cable	Shielded, 1.5 & 1.8m	
VGA Cable	Shielded, 1.5 & 1.8m	
DVI Cable	Shielded, 1.5 & 1.8m	
Display Cable	Shielded, 1.5 & 1.8m	

Fourth edition:

LCD Monitor	Model No.	24BK550## (The symbol “#” in the model name can be any alphanumeric character or blank)
	Remark	24BK550Y was selected as the test model and its data have been recorded in this report.
	Panel	LG \ LM238WF1
Power Cable	Non-shielding, 1.5 & 1.8m	
HDMI Cable	Shielded, 1.5 & 1.8m	
VGA Cable	Shielded, 1.5 & 1.8m	
DVI Cable	Shielded, 1.5 & 1.8m	
Display Cable	Shielded, 1.5 & 1.8m	



Fifth edition:

LCD Monitor	Model No.	24BK550##, 24BL550## (The symbol “#” in the model name can be any alphanumeric character or blank)
	Remark	24BL550J was selected as the test model and its data have been recorded in this report.
	Panel	LG \ LM238WF1
Power Cable	Non-shielding, 1.5 & 1.8m	
HDMI Cable	Shielded, 1.5 & 1.8m	
VGA Cable	Shielded, 1.5 & 1.8m	
Display Cable	Shielded, 1.5 & 1.8m	



2.2. Test Manner

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. An executive program, "BURNIN.EXE" under WIN 8, which generates a complete line of continuously repeating "H" pattern was used as the test software.
The program was executed as follows:
 1. Turn on the power of all equipment.
 2. The PC reads the test program from the hard disk drive and runs it.
 3. The PC sends "H" messages to the internal Hard Disk, and the Hard Disk reads and writes the message.
 4. The PC sends "H" messages to the printer.
 5. Repeat the steps from 2 to 4.
- c. An executive program, "BURNIN.EXE" was executed to play 1kHz signals.
- d. An executive program, "BURNIN.EXE" was executed to read and write data from USB3.0 HDD.
- e. The complete test system included PC, USB Keyboard, USB Mouse, Earphone and EUT for EMI test.
- f. The test modes of EMI test as follow:
Test Mode 1: Full system (VGA mode 1920*1080@60Hz) for Horizontal Signal from Computer
Test Mode 2: Full system (Display mode 1920*1080@60Hz) for Horizontal Signal from Computer
Test Mode 3: Full system (HDMI mode 1920*1080@60Hz) for Horizontal Signal from Computer
Test Mode 4: Full system (VGA mode 1920*1080@60Hz) for Vertical Signal from Computer
Test Mode 5: Full system (VGA mode 1280*1024@75Hz) for Horizontal Signal from Computer
Test Mode 6: Full system (VGA mode 640*480@60Hz) for Horizontal Signal from Computer
Test Mode 7: Full system (HDMI 1080P Mode) Signal from DVD Player
caused "Test Mode 1" generated the worst case, it was reported as the final data.
- g. The maximum operating frequency is above 108MHz, the test frequency range is from 30MHz to 18GHz.

**2.3. Description of Test System**

Device	Manufacturer	Model No.	Description
PC	HP	HP Compaq Elite 8200 MTPC	Non-Shielded ,1.8m(R33001)
USB Keyboard	DELL	SK-8115	T3A002
USB Mouse	DELL	G0K02XYK	R41108
Earphone	EDIFIER	N/A	N/A

Use Cable:

Cable	Quantity	Description
VGA Cable	1	Shielded, 1.5m&1.8m
HDMI Cable	1	Shielded, 1.5m&1.8m
Display Cable	1	Shielded, 1.5m&1.8m
Audio out Cable	1	Non-Shielded, 1.8m
USB Cable	1	Shielded, 1.8m, with one ferrite core bonded
USB Cable	1	Shielded, 1.5m



2.4. General Information of Test

☒ Test Site	CerpPASS Technology (Suzhou) Co.,Ltd	
	Address: No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China	
	Tel: +86-512-6917-5888	
	Fax: +86-512-6917-5666	
	CNAS	L5515
	IC	7920A-1, 7920A-2
	VCCI	T-1945 for Telecommunication Test C-2919 for Conducted emission test R-2670 for Radiated emission test G-227 for radiated disturbance above 1GHz

2.5. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty
Conducted emissions(LINE)	9KHz-30MHz	+/- 0.7738 dB
Conducted emissions(NEUTRAL)	9KHz-30MHz	+/- 0.7886 dB

Measurement	Polarity	Frequency	Uncertainty
Radiated emissions (below 1GHz)	H	30MHz ~ 200MHz	+/- 3.8909dB
		200MHz ~1000MHz	+/- 3.6555dB
	V	30MHz ~ 200MHz	+/- 3.8948dB
		200MHz ~1000MHz	+/- 3.6538dB
Radiated emissions (above 1GHz)	H	1000MHz ~18000MHz	+/- 3.8948dB
		18000MHz ~40000MHz	+/-3.8844dB
	V	1000MHz ~18000MHz	+/- 3.8906dB
		18000MHz ~40000MHz	+/- 3.8744dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



3. Test of Conducted Emission

3.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.4-2014. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

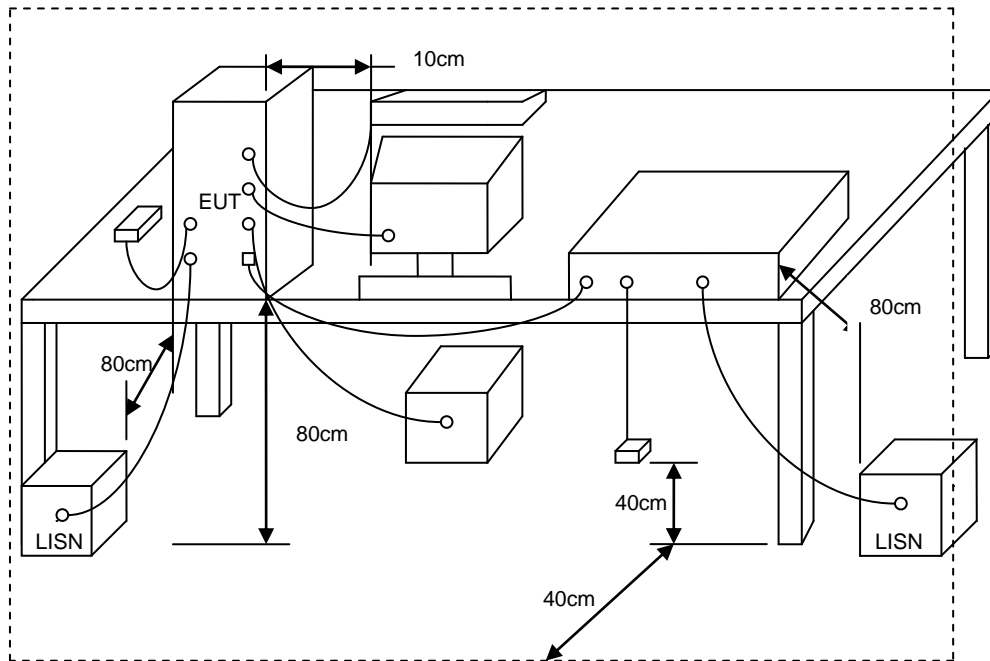
Conducted Emission Limits:

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

3.2. Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

3.3. Typical test Setup



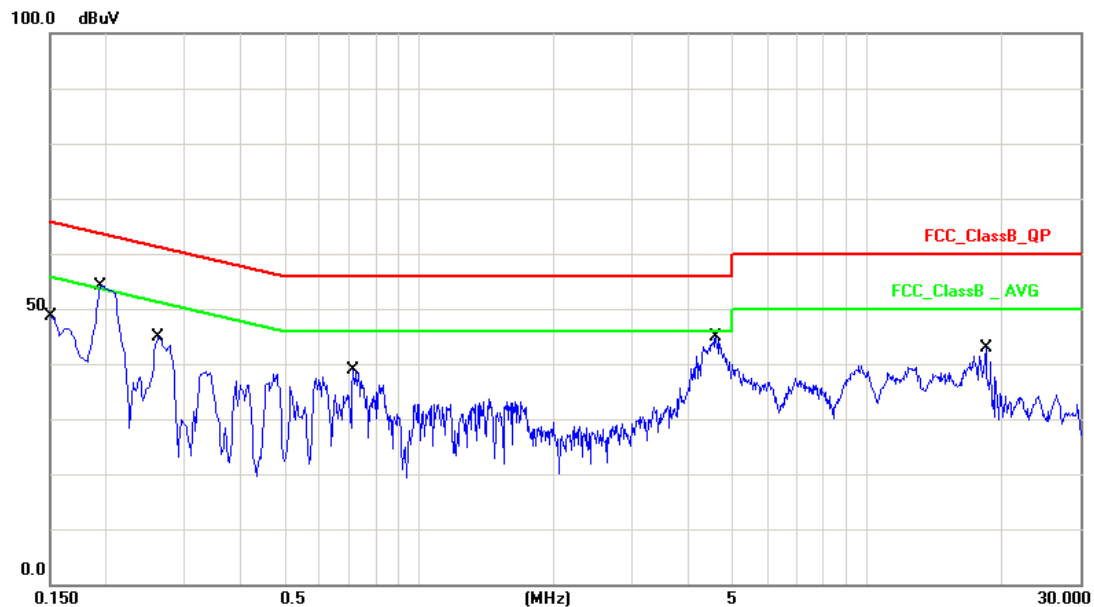
3.4. Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Test Receiver	R&S	ESCI	100565	2018.07.18	2019.07.17
AMN	R&S	ESH2-Z5	100182	2017.08.26	2018.08.25
ISN	FCC	FCC-TLISN-T 2-02	20379	2018.03.21	2019.03.20
ISN	FCC	FCC-TLISN-T 4-02	20380	2018.06.14	2019.06.13
ISN	FCC	FCC-TLISN-T 8-02	20381	2017.11.29	2018.11.28
ISN	TESEQ	ISN ST08	30175	2017.08.26	2018.08.25
ISN	TESEQ	ISN S751	31531	2017.10.17	2018.10.16
LISN	FCC	FCC-LISN-50- 200-2-02	112087	2017.08.26	2018.08.25
LISN	SCHWARZBEC K	NSLK 8127	8127-920	2017.11.08	2018.11.07
LISN	R&S	ENV216	100325	2017.12.12	2018.12.11
Current Probe	R&S	EZ-17	100303	2018.03.21	2019.03.20
Passive Voltage Probe	R&S	ESH2-Z3	100026	2018.03.21	2019.03.20
Pulse Limiter	R&S	ESH3-Z2	100529	2018.03.21	2019.03.20
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2018.03.23	2019.03.22
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A



3.5. Test Result and Data

Test Mode :	Test Mode 1: Full system (VGA mode 1920*1080@60Hz) for Horizontal Signal from Computer		
AC Power :	AC 120V/60Hz	Phase :	LINE
Temperature :	24°C	Humidity :	53%
Pressure(mbar) :	1002	Date:	2018.8.18

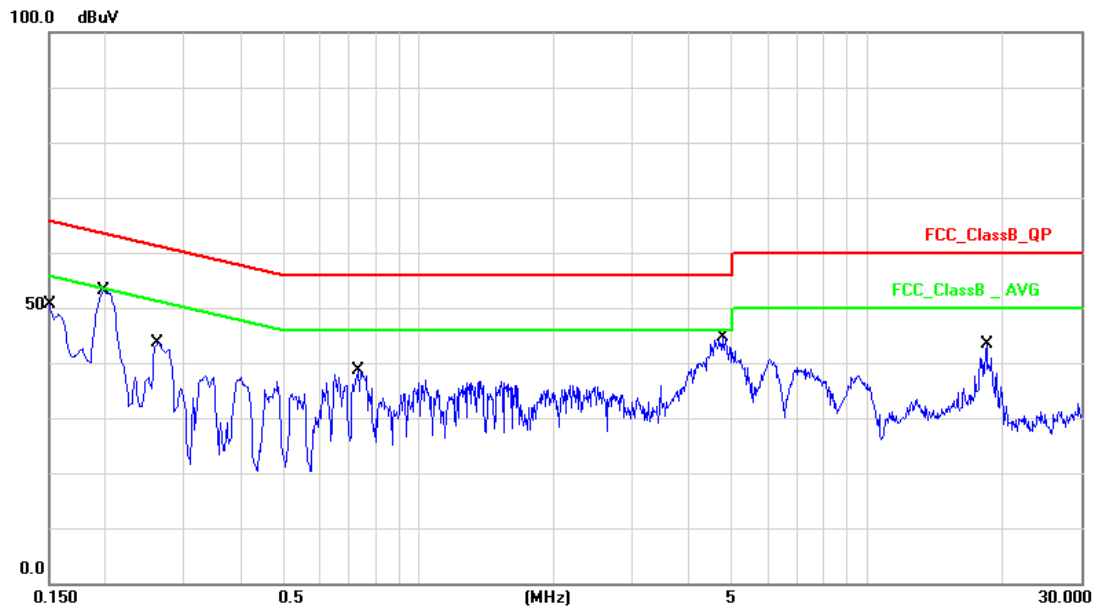


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.06	31.80	41.86	65.99	-24.13	QP
2	0.1500	10.06	11.65	21.71	55.99	-34.28	AVG
3	0.1940	10.06	41.19	51.25	63.86	-12.61	QP
4	0.1940	10.06	25.05	35.11	53.86	-18.75	AVG
5	0.2620	10.07	32.45	42.52	61.36	-18.84	QP
6	0.2620	10.07	18.73	28.80	51.36	-22.56	AVG
7	0.7140	10.11	27.15	37.26	56.00	-18.74	QP
8	0.7140	10.11	13.31	23.42	46.00	-22.58	AVG
9	4.6180	10.31	30.33	40.64	56.00	-15.36	QP
10	4.6180	10.31	14.59	24.90	46.00	-21.10	AVG
11	18.4340	10.76	25.99	36.75	60.00	-23.25	QP
12	18.4340	10.76	19.09	29.85	50.00	-20.15	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Test Mode 1: Full system (VGA mode 1920*1080@60Hz) for Horizontal Signal from Computer		
AC Power :	AC 120V/60Hz	Phase :	NEUTRAL
Temperature :	24°C	Humidity :	53%
Pressure(mbar) :	1002	Date:	2018.8.18



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.06	31.60	41.66	65.99	-24.33	QP
2	0.1500	10.06	10.94	21.00	55.99	-34.99	AVG
3	0.1980	10.06	41.20	51.26	63.69	-12.43	QP
4	0.1980	10.06	26.77	36.83	53.69	-16.86	AVG
5	0.2620	10.07	31.75	41.82	61.36	-19.54	QP
6	0.2620	10.07	17.68	27.75	51.36	-23.61	AVG
7	0.7340	10.11	27.17	37.28	56.00	-18.72	QP
8	0.7340	10.11	13.64	23.75	46.00	-22.25	AVG
9	4.7580	10.32	29.66	39.98	56.00	-16.02	QP
10	4.7580	10.32	17.00	27.32	46.00	-18.68	AVG
11	18.4300	10.76	26.68	37.44	60.00	-22.56	QP
12	18.4300	10.76	20.40	31.16	50.00	-18.84	AVG

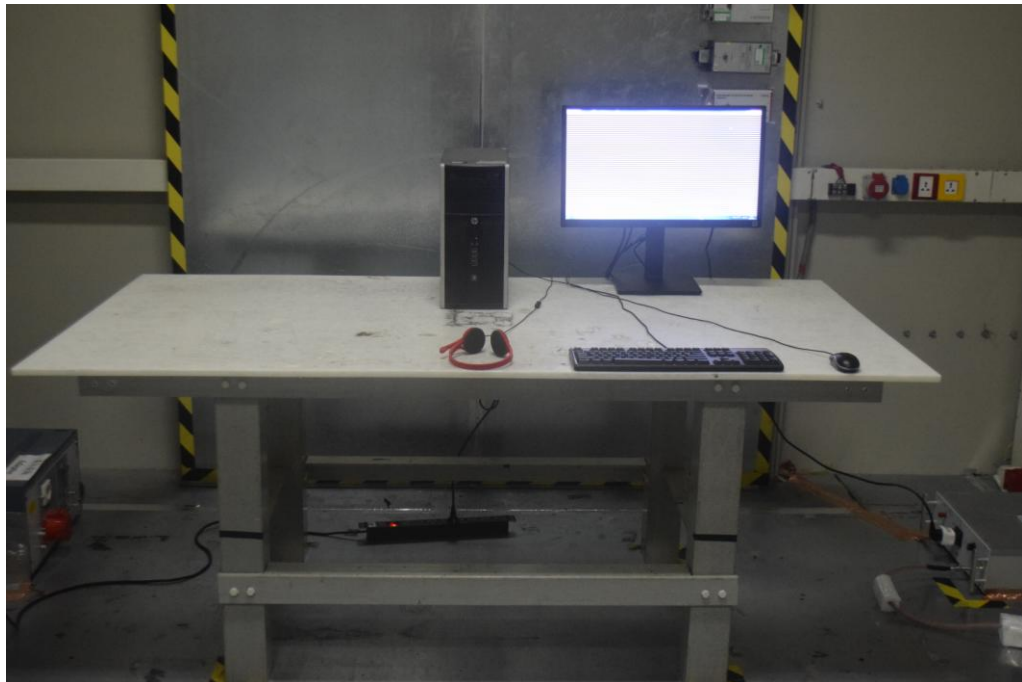
Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Ciibert Chen

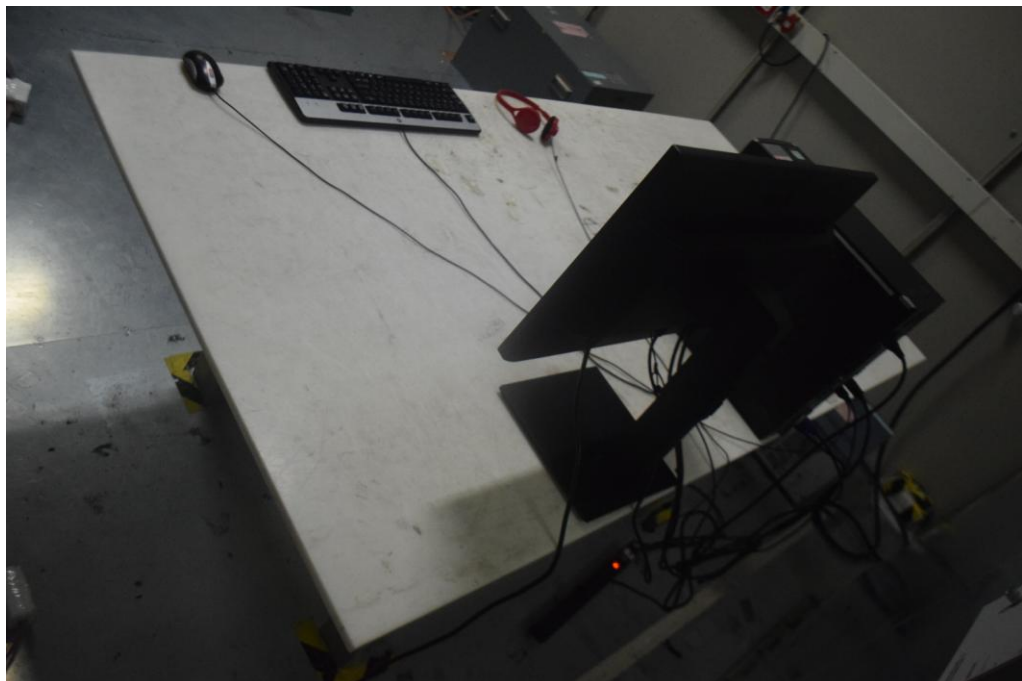


3.6. Test Photographs

Front View



Rear View





4. Test of Radiated Emission

4.1. Test Limit

Below 1GHz (for digital device)

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

Limit tables for non-digital device:

Class A Radiated Emission limit at 10m (for others)

Frequency (MHz)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	90	39
88 - 216	150	43.5
216 – 960	210	46.4
Above 960	300	49.5

Class B Radiated Emission limit at 3m (for others)

Frequency (MHz)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	100	40
88 - 216	150	43.5
216 – 960	200	46
Above 960	500	54

Above 1GHz(for all device)

Frequency (MHz)	Class A (dBuV/m) (At 10m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
Above 1000	49.5	69.5	54	74

NOTE: (1) The lower limit shall apply at the transition frequencies.

(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).

(3) The measurement above 1GHz is at close-in distances 3m, and determine the limit L2 corresponding to the close-in distance d2 by applying the following relation: $L2 = L1 (d1/d2)$, where L1 is the specified limit in microvolts per metre (uV/m) at the distance d1 (10m), L2 is the new limit for distance d2 (3m).

So the new Class A limit above 1GHz at 3m is as following table:



Frequency (MHZ)	Class A (dBuV/m) (At 3m)	
	Average	Peak
Above 1000	60	80

According to FCC Part 15.33 (b), 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 1.75	30
1.75-108	1000
108-500	2000
500-1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

4.2. Test Procedures

Procedure of Preliminary Test

- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 15 cm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.



- Set the spectrum analyzer/ Receiver in the following setting as:
Below 1GHz:
RBW=120KHz / VBW=300KHz / Sweep=AUTO
Above 1GHz:
Peak: RBW=1MHz, VBW=3MHz / Sweep=AUTO
Average: RBW=1MHz / VBW=1.6Hz / Sweep=AUTO
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

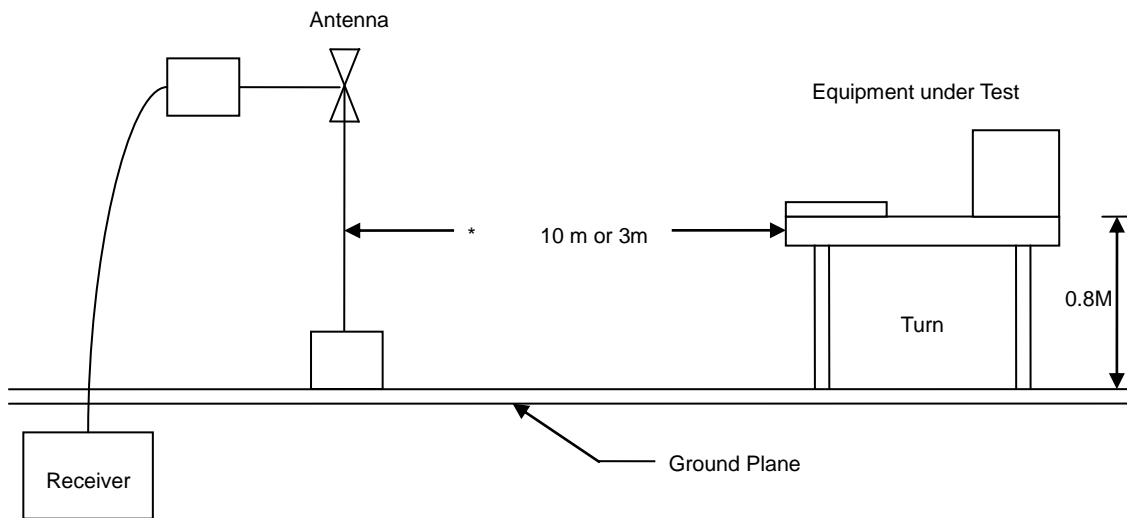
Procedure of Final Test

- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.
- The test data of the worst-case condition(s) was recorded.

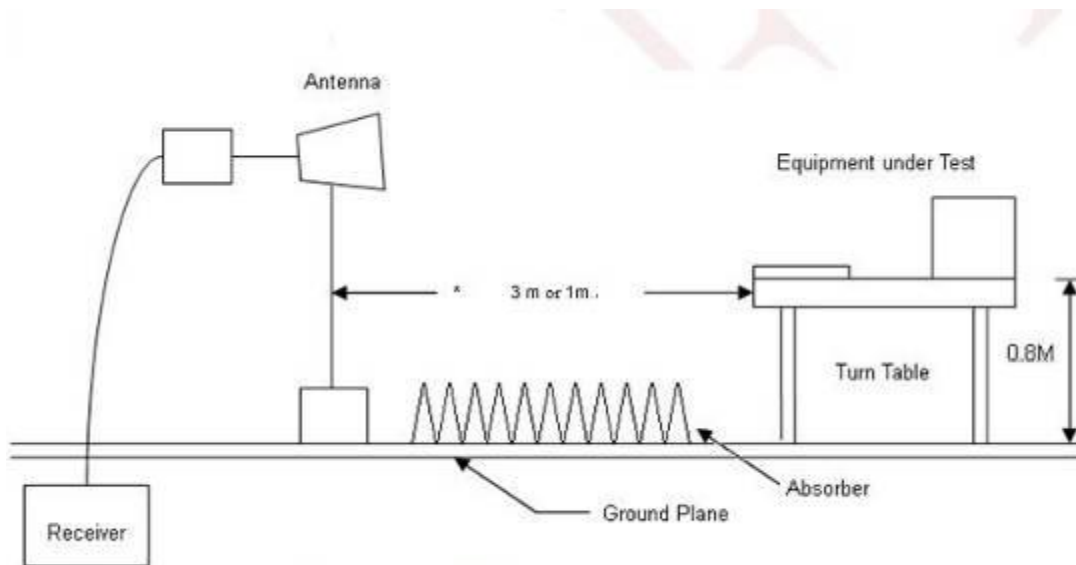


4.3. Typical test Setup

Below 1GHz Test Setup



Above 1GHz Test Setup





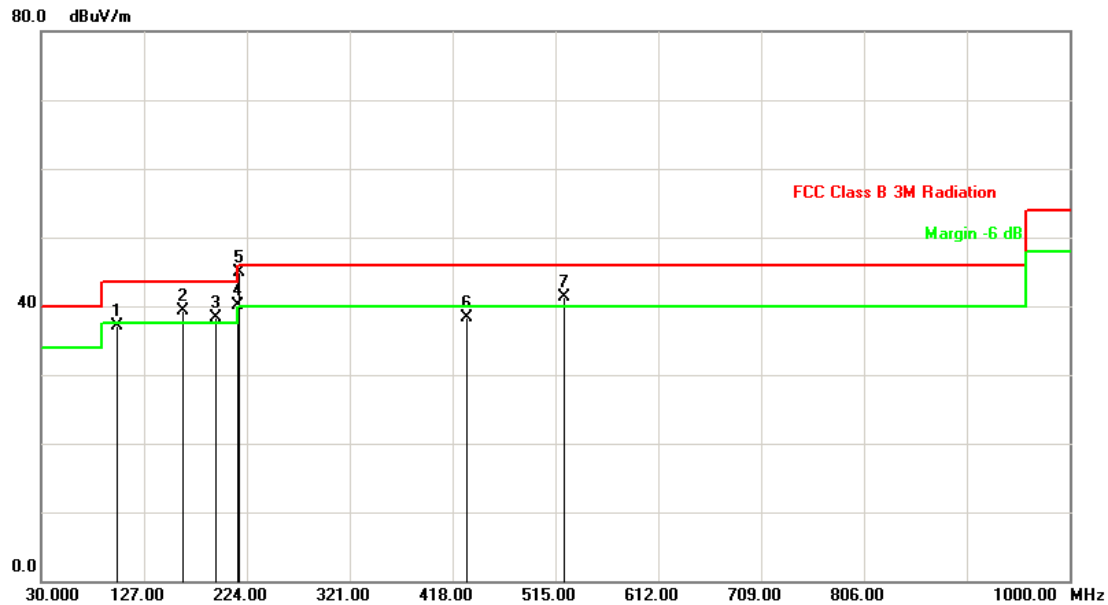
4.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMI Test Receiver	R&S	ESCI	101183	2018.07.05	2019.07.04
Preamplifier	songyi	EM330	60618	2018.03.21	2019.03.20
Preamplifier	HP	8447F	3113A05582	2018.03.21	2019.03.20
Preamplifier	Agilent	8449B	3008A02342	2018.03.21	2019.03.20
Bilog Antenna	Sunol Science	JB1	A072414-1	2018.07.07	2019.07.06
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-618	2018.04.21	2019.04.20
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-619	2018.07.07	2019.07.06
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	9170-348	2018.06.05	2019.06.04
Preamplifier	COM-POWER	PA-840	711885	2018.03.21	2019.03.20
Spectrum Analyzer	R&S	FSP40	100324	2017.11.02	2018.11.01
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2018.03.23	2019.03.22
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A



4.5. Test Result and Data (30MHz ~ 1GHz)

Test Mode :	Test Mode 1: Full system (VGA mode 1920*1080@60Hz) for Horizontal Signal from Computer		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Temp :	25°C	Humidity :	52%
Pressure(mbar) :	1002	Date:	2018.8.18

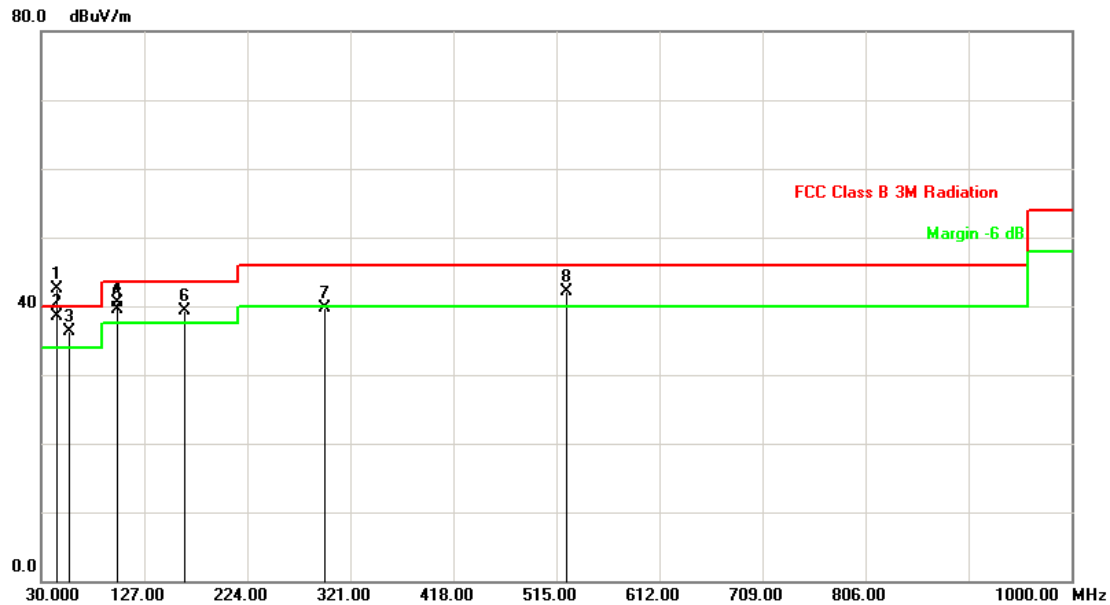


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	101.7800	-12.79	49.93	37.14	43.50	-6.36	peak	100	312
2	163.8600	-12.51	51.80	39.29	43.50	-4.21	peak	200	1
3	194.9000	-12.49	50.79	38.30	43.50	-5.20	peak	183	360
4	216.0400	-12.24	52.39	40.15	46.00	-5.85	QP	200	184
5	216.2400	-12.23	57.17	44.94	46.00	-1.06	peak	200	198
6	431.5799	-4.51	42.89	38.38	46.00	-7.62	peak	100	42
7	523.7300	-4.36	45.57	41.21	46.00	-4.79	peak	200	325

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Test Mode 1: Full system (VGA mode 1920*1080@60Hz) for Horizontal Signal from Computer		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Temp :	25°C	Humidity :	52%
Pressure(mbar) :	1002	Date:	2018.8.18

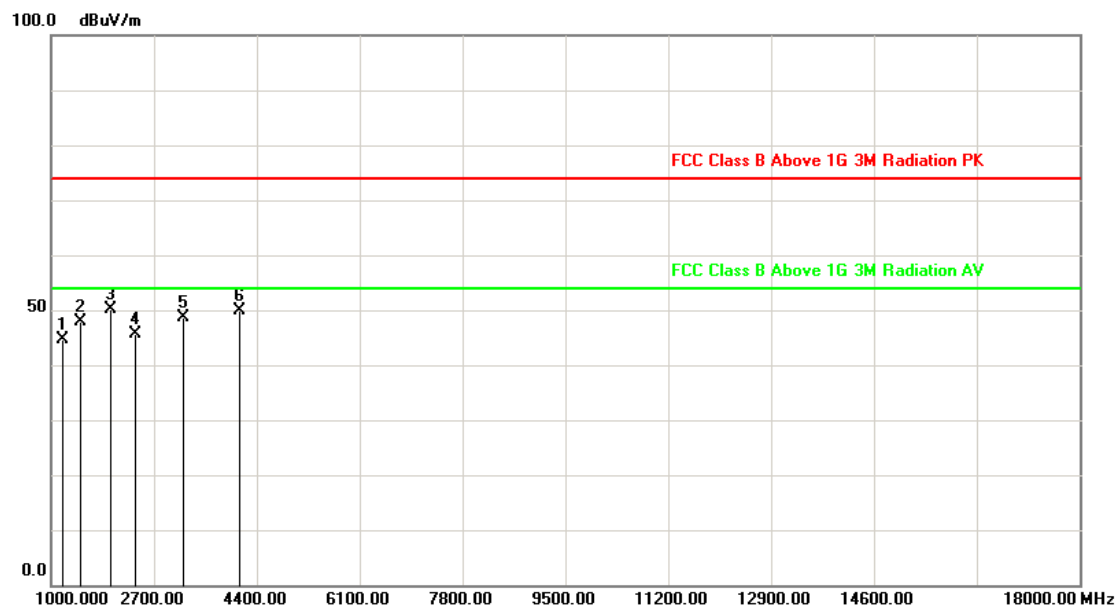


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	44.5500	-8.40	50.92	42.52	40.00	2.52	peak	200	114
2	44.8500	-8.54	47.07	38.53	40.00	-1.47	QP	200	85
3	56.1900	-12.02	48.32	36.30	40.00	-3.70	peak	200	65
4	101.7800	-12.79	53.32	40.53	43.50	-2.97	peak	200	297
5	102.3700	-12.79	52.27	39.48	43.50	-4.02	QP	200	193
6	164.8300	-12.52	51.83	39.31	43.50	-4.19	peak	200	219
7	296.7500	-8.39	48.07	39.68	46.00	-6.32	peak	107	360
8	524.7000	-4.34	46.44	42.10	46.00	-3.90	peak	200	22

Note: Measurement Level = Reading Level + Correct Factor

**4.6. Test Result and Data (1GHz ~ 18GHz)**

Test Mode :	Test Mode 1: Full system (VGA mode 1920*1080@60Hz) for Horizontal Signal from Computer		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Temp :	25°C	Humidity :	52%
Pressure(mbar) :	1002	Date:	2018.8.18

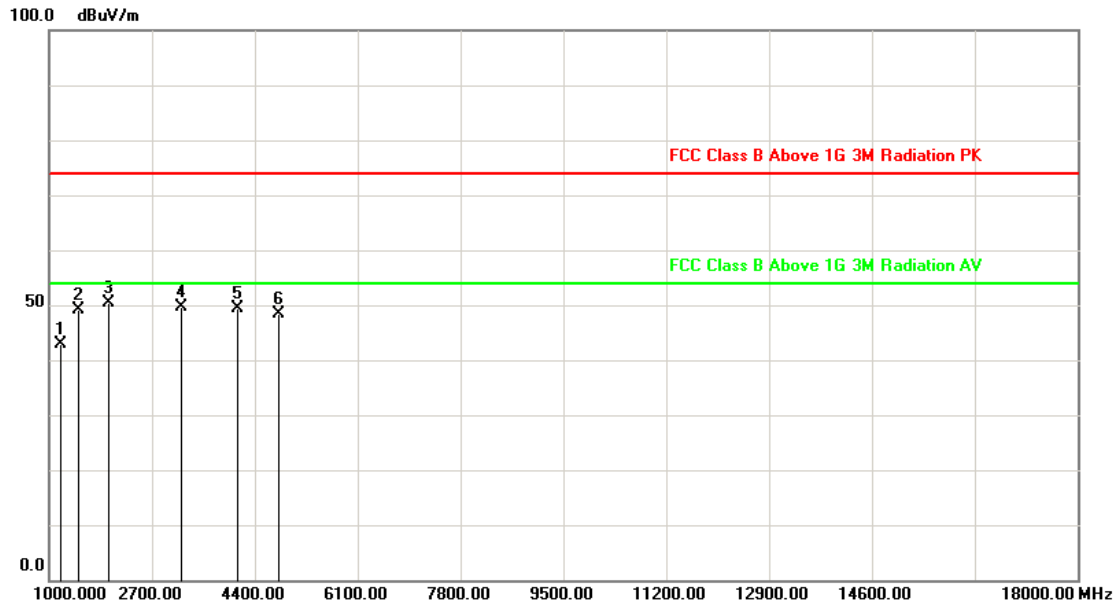


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1187.000	-8.27	52.85	44.58	74.00	-29.42	peak	100	168
2	1476.000	-5.96	53.89	47.93	74.00	-26.07	peak	200	259
3	1986.000	-3.76	53.83	50.07	74.00	-23.93	peak	200	164
4	2394.000	-2.23	47.82	45.59	74.00	-28.41	peak	100	207
5	3193.000	-0.15	48.72	48.57	74.00	-25.43	peak	200	54
6	4111.000	3.29	46.49	49.78	74.00	-24.22	peak	100	128

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Test Mode 1: Full system (VGA mode 1920*1080@60Hz) for Horizontal Signal from Computer		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Temp :	25°C	Humidity :	52%
Pressure(mbar) :	1002	Date:	2018.8.18



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1187.000	-8.27	51.27	43.00	74.00	-31.00	peak	100	325
2	1476.000	-5.96	55.01	49.05	74.00	-24.95	peak	200	64
3	1986.000	-3.76	54.26	50.50	74.00	-23.50	peak	100	201
4	3193.000	-0.15	49.66	49.51	74.00	-24.49	peak	100	25
5	4111.000	3.29	46.03	49.32	74.00	-24.68	peak	200	206
6	4791.000	3.26	45.24	48.50	74.00	-25.50	peak	100	14

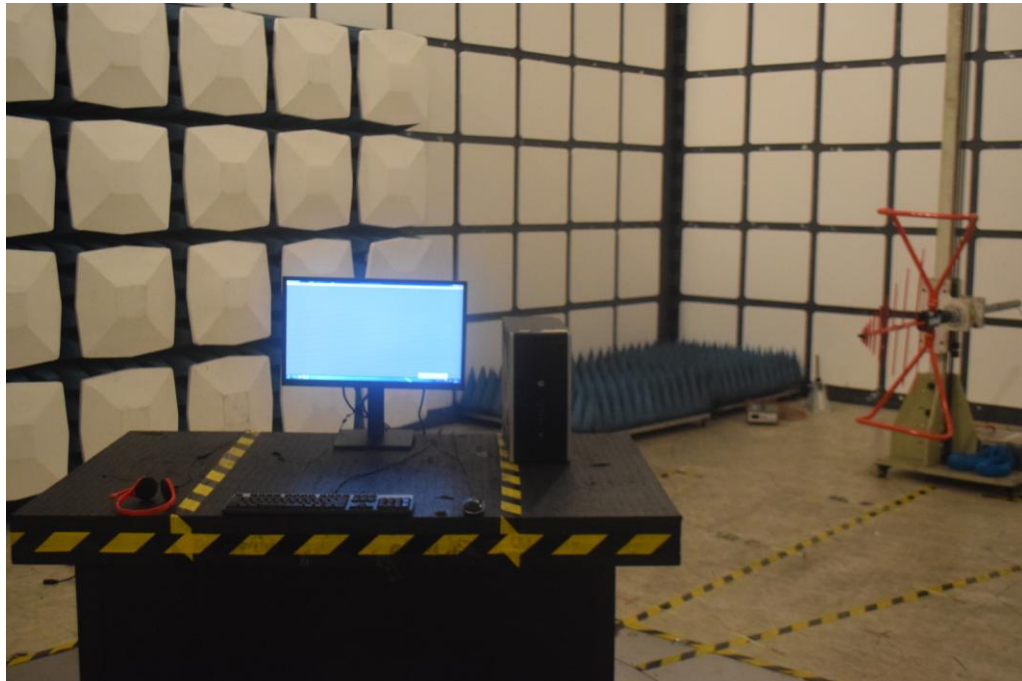
Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Ciibert Chen

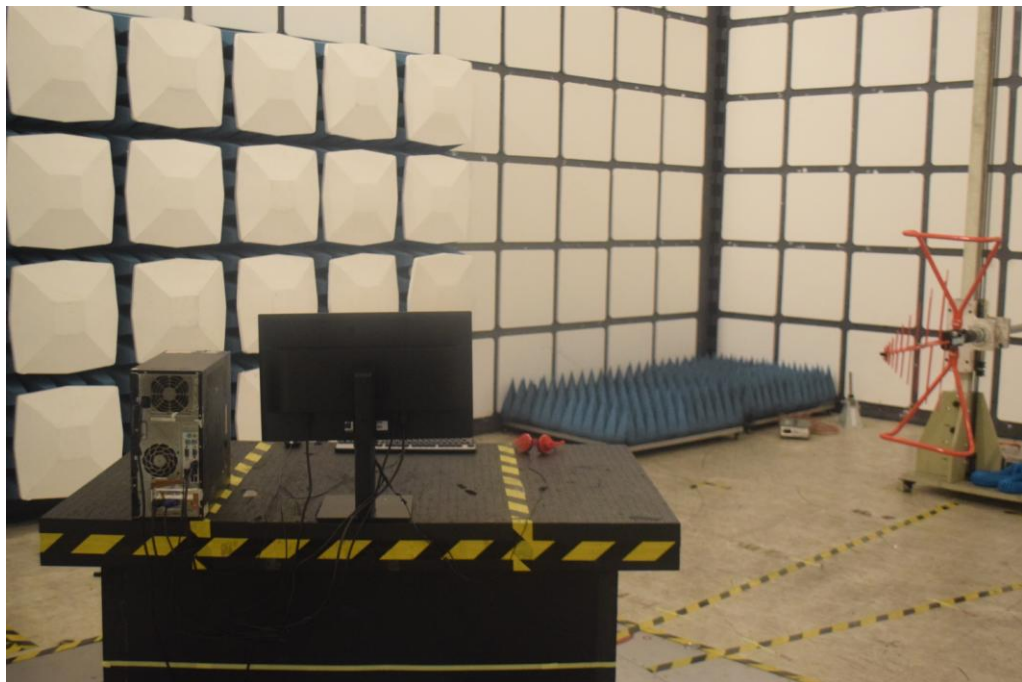


4.7. Test Photographs (30MHz ~ 1GHz)

Front View



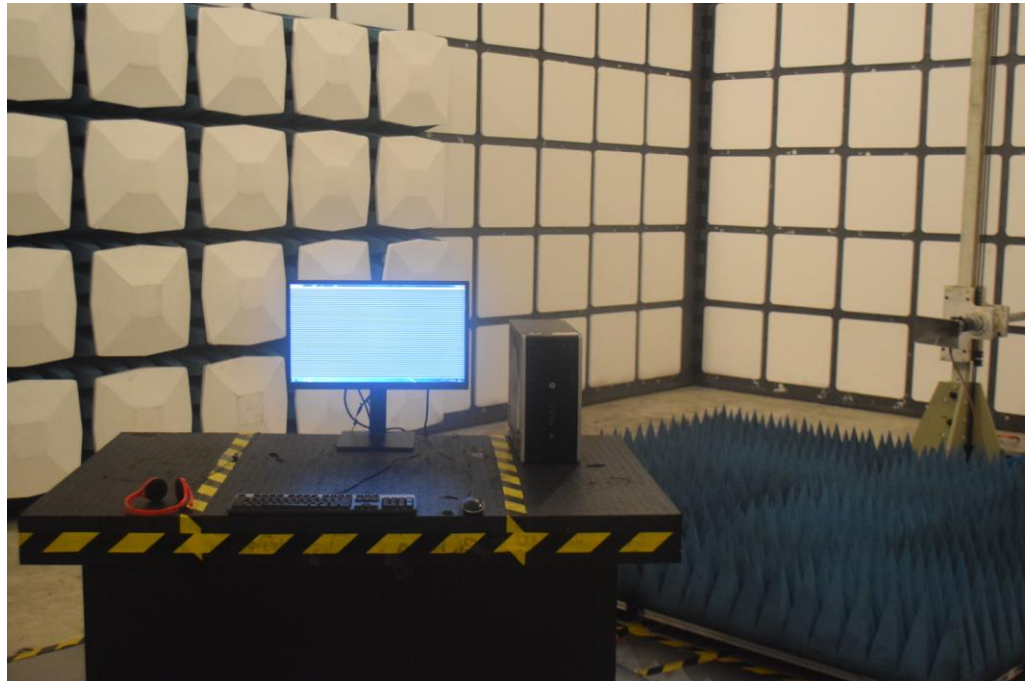
Rear View



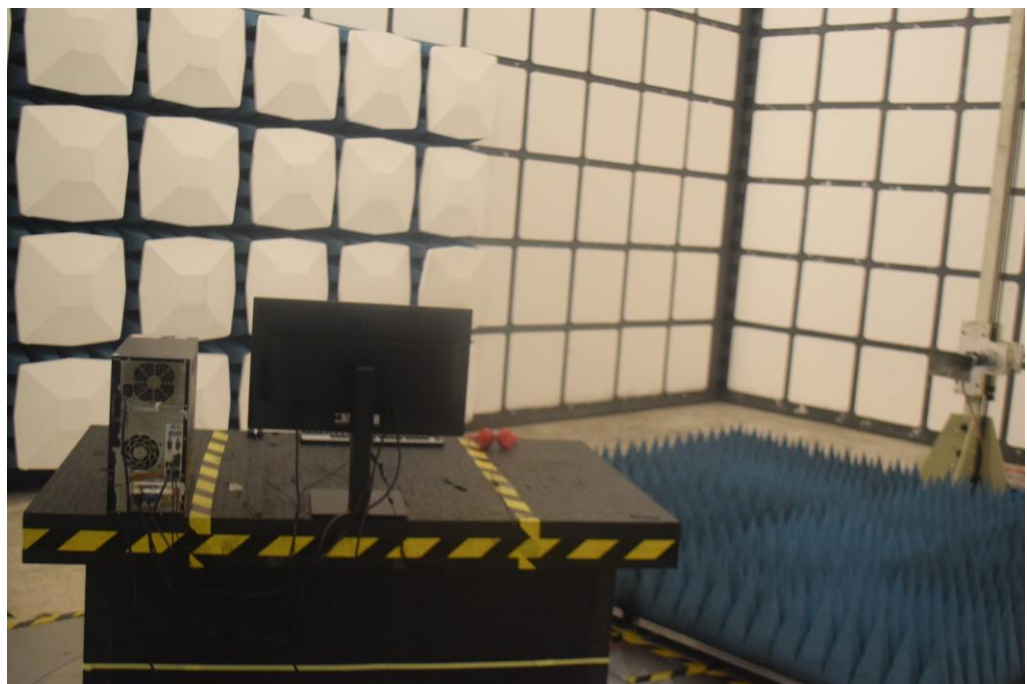


4.8. Test Photographs (1GHz ~ 18GHz)

Front View

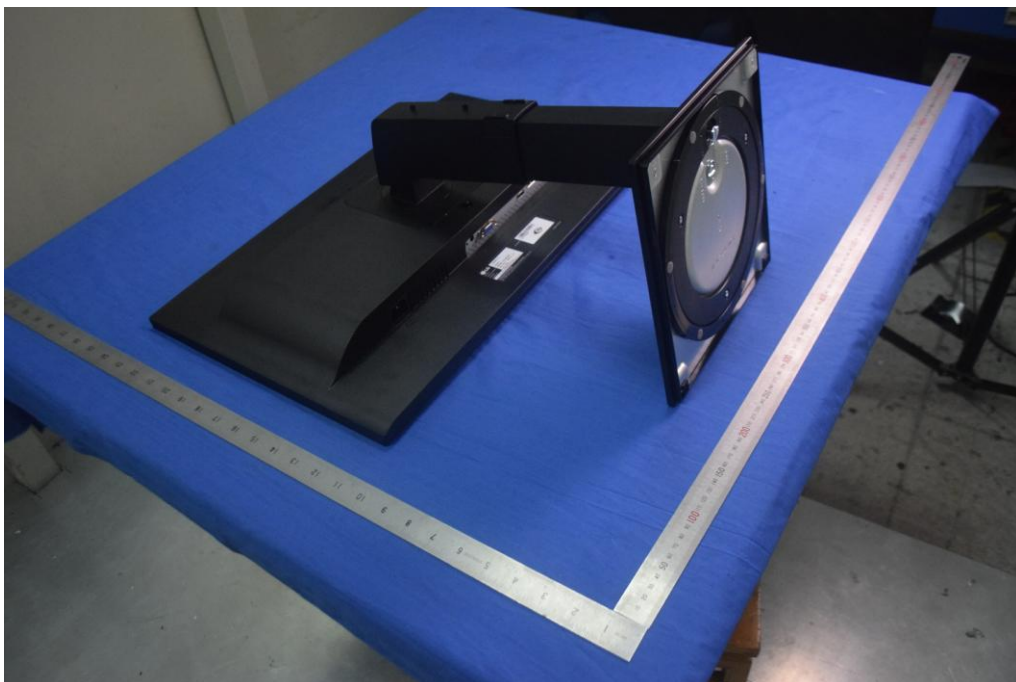


Rear View





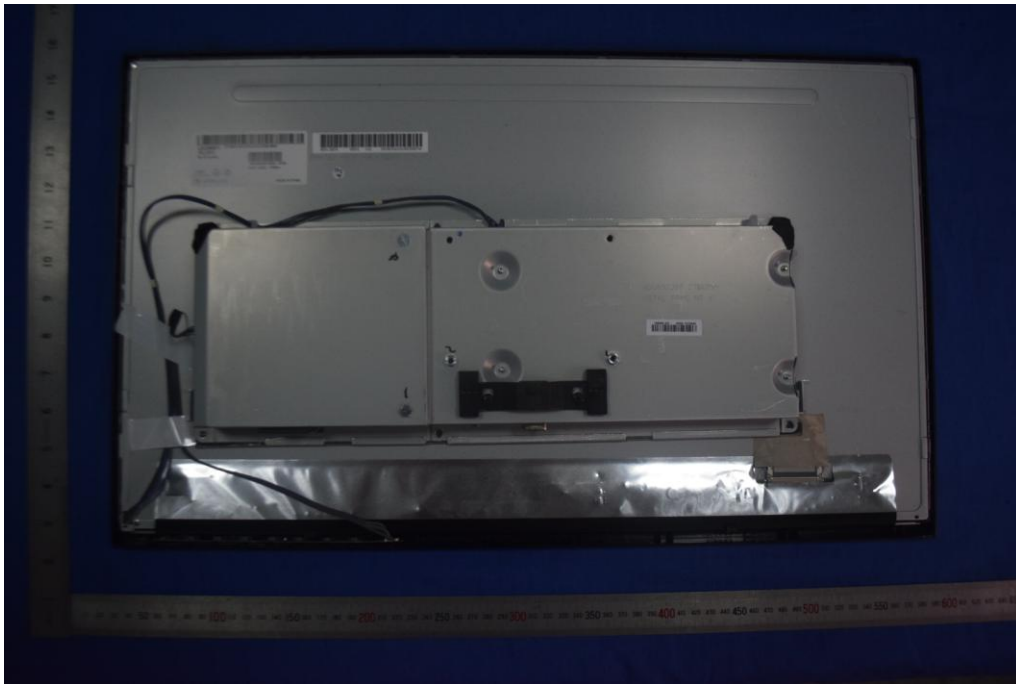
5. EUT Photographs

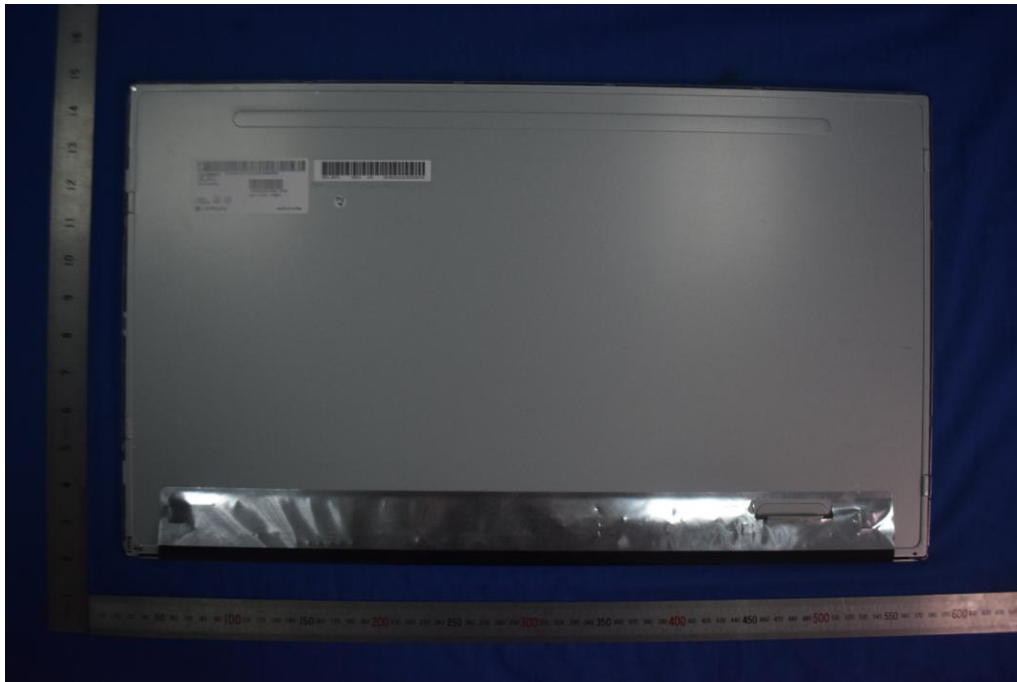






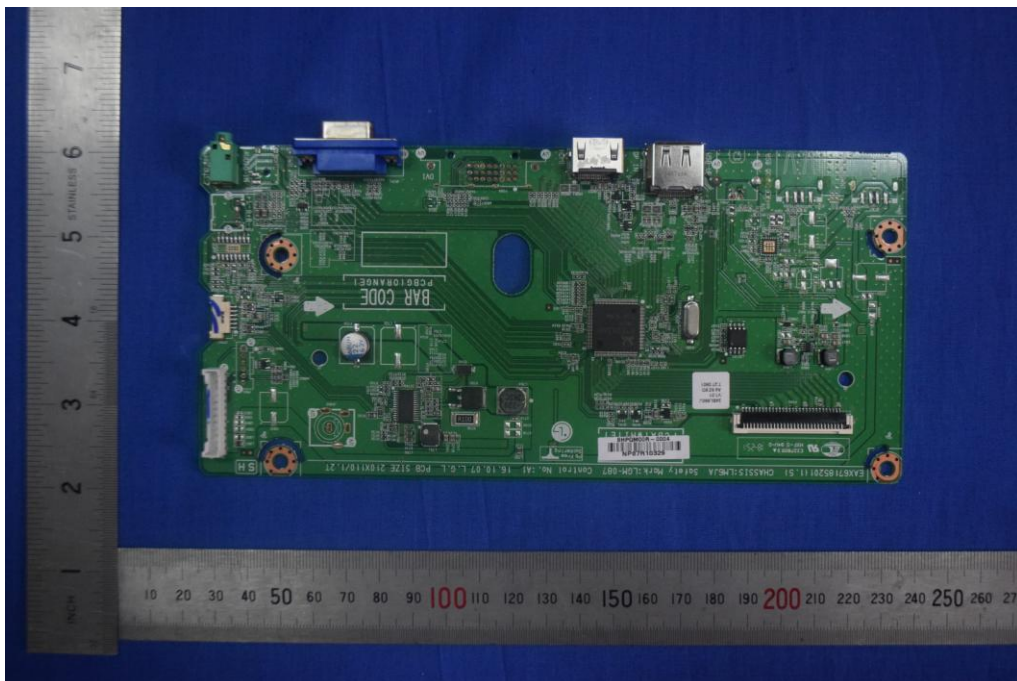
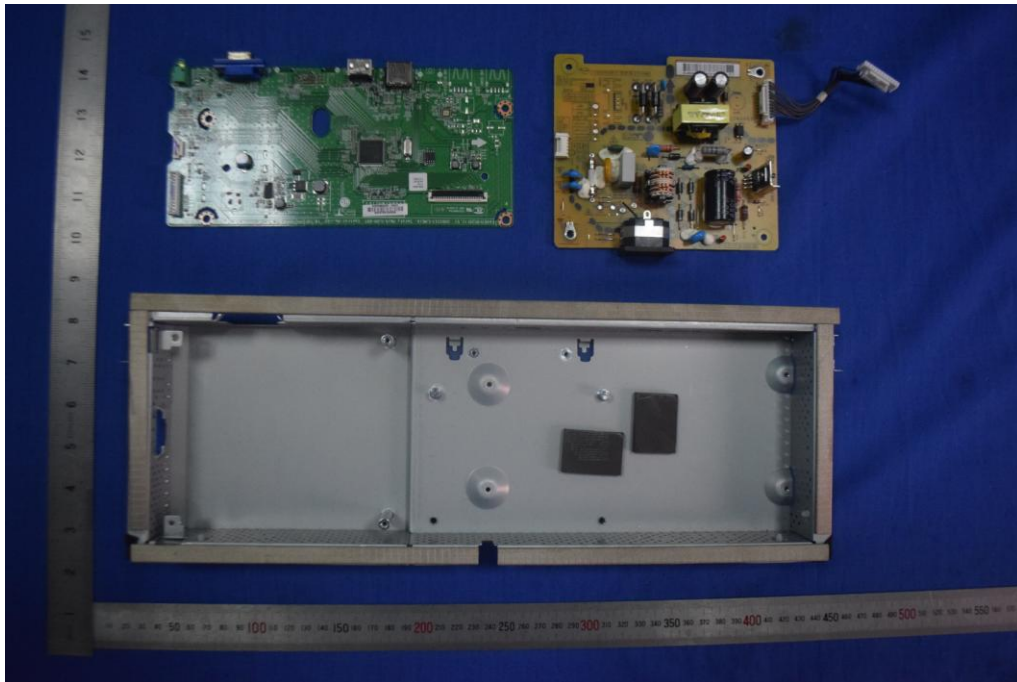


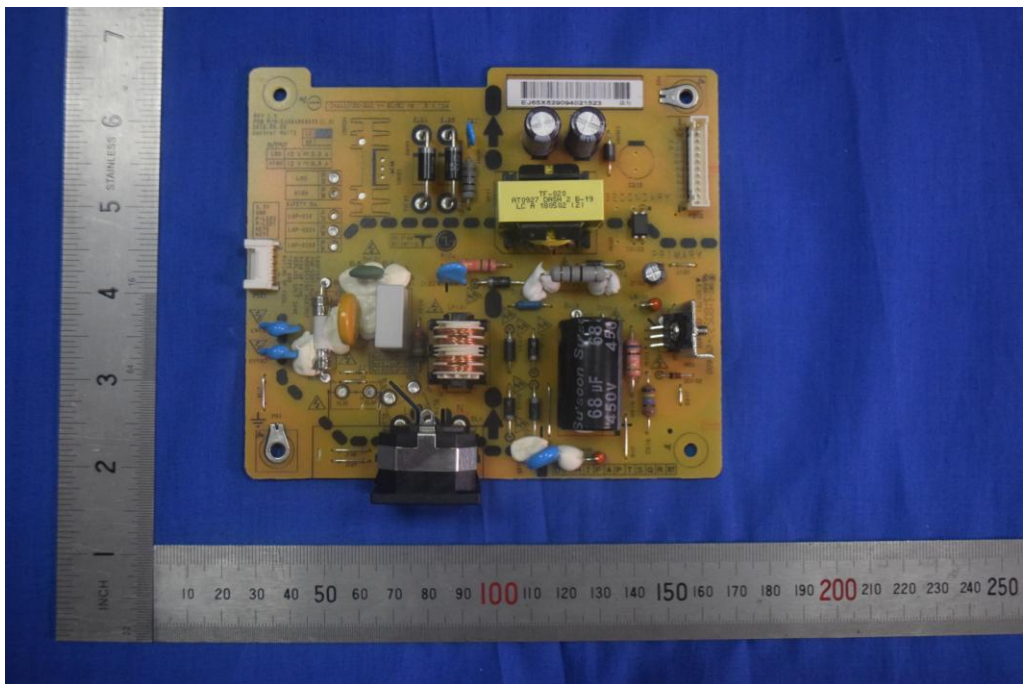
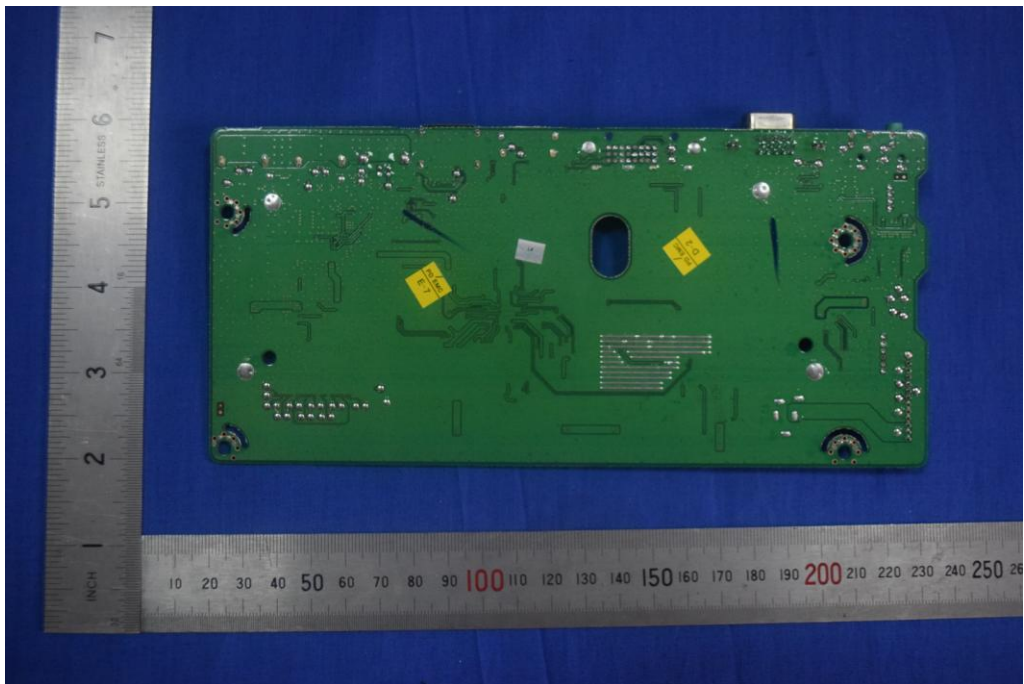


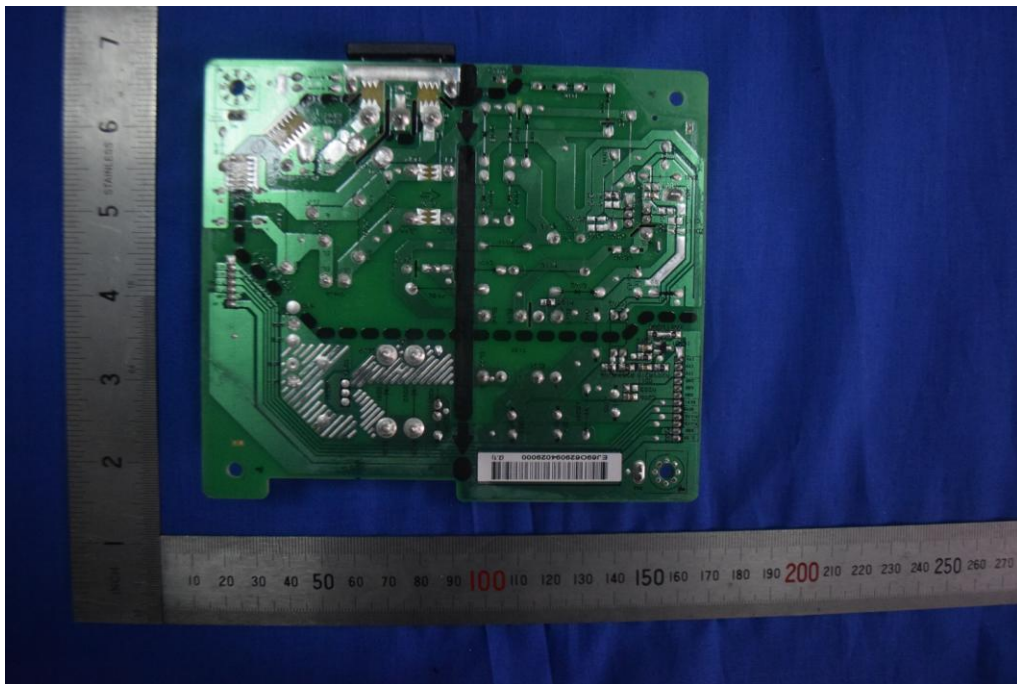
















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