



CE/EMC COMPLIANCE REPORT For

Associated Industries China, Inc.

LCD Monitor

Prepared for : Associated Industries China, Inc.
Address : 5F-1, No.3-1, Park Street, Nangang
District, Taipei, 11503, Taiwan.

Prepared by : EST Technology Co., Ltd.
Address : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,
Guangdong, China

Tel: 86-769-83081888
Fax: 86-769-83081878

Report Number : ESTE-E2205004-2
Date of Report : Mar. 09, 2024

TABLE OF CONTENTS

Test Report Declaration	Page
1. GENERAL PRODUCT INFORMATION.....	4
1.1. Product Function.....	4
1.2. Description of Device (EUT).....	4
1.3. Difference between Model Numbers	4
1.4. Independent Operation Modes	4
1.5. Test Supporting System	4
2. TEST SITES	5
2.1. Description of Standards and Results	5
2.2. Test Facilities.....	6
2.3. List of Test and Measurement Instruments	7
3. TEST SET-UP AND OPERATION MODES.....	9
3.1. Principle of Configuration Selection.....	9
3.2. Block Diagram of Test Set-up.....	9
3.3. Test Operation Mode and Test Software	10
3.4. Special Accessories and Auxiliary Equipment	10
3.5. Countermeasures to Achieve EMC Compliance.....	10
4. EMISSION TEST RESULTS	11
4.1. Conducted Emission at the Mains Terminals Test.....	11
4.2. Radiated Emission Test.....	28
4.3. Radiated Emission Test (above 1GHz).....	61
4.4. Harmonic Current Emissions on AC Mains Test	94
4.5. Voltage Fluctuations and Flicker on AC Mains Test	95
5. IMMUNITY TEST RESULT	97
5.1. Description of Performance Criteria:	97
5.2. Electrostatic Discharge Immunity Test.....	98
5.3. Radio Frequency Electromagnetic Field Immunity(R/S) Test.....	100
5.4. Electrical Fast Transient/Burst Immunity Test	103
5.5. Surge Immunity Test	105
5.6. Injected Currents Susceptibility Test	107
5.7. Power Frequency Magnetic Field Immunity Test.....	109
5.8. Voltage Dips and Short Interruptions Immunity Test	110
6. PHOTOGRAPHS OF TEST SET-UP	112
6.1. Set-up for Conducted Emission at the Mains Terminals Test	112
6.2. Set-up for Radiated Emission Test	113
6.3. Set-up for Radiated Emission Test(above 1GHz)	114
6.4. Set-up for Harmonic Current Emissions and Flicker on AC Mains Test.....	115
6.5. Set-up for Electrostatic Discharge Immunity Test	115
6.6. Set-up for Radio Frequency Electromagnetic Field Immunity(R/S) Test.....	116
6.7. Set-up for Electrical Fast Transient/Burst Immunity Test.....	116
6.8. Set-up for Surge Immunity Test	117
6.9. Set-up for Power Frequency Magnetic Field Immunity Test.....	117
6.10. Set-up for Injected Currents Susceptibility Test.....	118
6.11. Set-up for Voltage Dips and Short Interruptions Immunity Test.....	118
7. PHOTOGRAPHS OF THE EUT	119

Applicant:	Associated Industries China, Inc.
Address:	5F-1, No.3-1, Park Street, Nangang District, Taipei, 11503, Taiwan.
Manufacturer:	Associated Industries China, Inc.
Address:	5F-1, No.3-1, Park Street, Nangang District, Taipei, 11503, Taiwan.
Factory 1:	Chongqing HKC Technology Co., Ltd
Address:	No.2388, Dongcheng Dadao, Jieshi Town, Ba'nan District, Chongqing City, P.R. China.
Factory 2:	Dongguan HKC Interlligent Technology Co., Ltd.
Address:	Building 1, No, 7, Luoqunpu First Road, Qingxi Town, Dongguan City, Guangdong P.R. China.
Factory 3:	HKC Technology (Vietnam) Company Limited
Address:	Road no. D3, Nhon Trach II - Loc Khang IP, Phu Hoi Commune, Nhon Trach District, Dong Nai Province, Vietnam

E.U.T: LCD Monitor

Model Number: MH2402, MH2403, MH24****, LH-2402, LH-2403, LH-24****, LA-2402, LA-24****, (* can be a-z, A-Z, 0-9 or blank)

Trade Name: AG Neovo or

Date of Receipt: Apr. 19, 2022; Feb. 27, 2024 **Date of Test:** Apr. 20-28, 2022; Feb. 28, 2024~ Mar. 02, 2024

Test Specification: EN 55032:2015+A1:2020
 EN 55035:2017+A11:2020
 EN IEC 61000-3-2:2019+A1:2021
 EN 61000-3-3:2013+A1:2019+A2:2021

Test Result: The equipment under test was found to be compliance with the requirements of the standards applied.

Issue Date: Mar. 09, 2024

Prepared by:	Reviewed by:	Approved by:
Zephyr / Assistant	Bible / Engineer	Iceman Hu / Manager



Other Aspects:
 This report is based on the previous reports with report number :ESTE-E2205004-1. The 55032:2015+A11:2020 standard had been updated to EN 55032:2015+A1:2020. Added a screen, a new factory and Model number in this report, so just re-tested Radiation Emission (30-1000MHz) and Radiation Emission (1-6G), other test item needn't re-tested.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products, It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd. The statement of compliance in this report is based on the limit in the test standard, the measurement uncertainty is not considered.

1. GENERAL PRODUCT INFORMATION

1.1. Product Function

Refer to Technical Construction Form and User Manual.

1.2. Description of Device (EUT)

Description	: LCD Monitor
Model No.	: LA-2402, MH2402
System Input Voltage	: 100-240V~ 50/60Hz , 1.1A
AC Line	: Unshielded, Detachable 1.5m
AUDIO Line	: Unshielded, Detachable 0.8m
DP Line	: Shielded, Detachable 1.5m
VGA Line	: Shielded, Detachable 1.5m
HDMI Line	: Shielded, Detachable 1.5m

1.3. Difference between Model Numbers

Note: ALL Models are identical, only model names are different, for marketing purpose.

1.4. Independent Operation Modes

The basic operation modes are:

1.4.1. HDMI

1.4.2. VGA

1.4.3. DP

1.5. Test Supporting System

2. TEST SITES

2.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION(EN 55032:2015+A1:2020)				
Description of Test Item	Standard	Limits	Results	
Conducted emissions (AC mains power ports)	EN 55032:2015+A1:2020	Class B	PASS	
		Minimum passing margin is 9.30dB at 2.74MHz		
Asymmetric mode conducted emissions	EN 55032:2015+A1:2020	Class B	N/A	
		Minimum passing margin is ***dB at ***MHz		
Conducted differential voltage emissions	EN 55032:2015+A1:2020	Class B	N/A	
		More than ** dB below the limit line.		
Radiated Emission	EN 55032:2015+A1:2020	Class B	PASS	
		Minimum passing margin is 4.83dB at 742.95MHz		
Radiated Emission Test (above 1GHz)	EN 55032:2015+A1:2020	Class B	PASS	
		Minimum passing margin is 3.64dB at 3490.00MHz		
Harmonic current emissions	EN IEC 61000-3-2:2019+ A1:2021	Class A	N/A	
Voltage fluctuations & flicker	EN 61000-3-3:2013+A1:2019 +A2:2021	Section 4.5	PASS	
IMMUNITY (EN 55035:2017+A11:2020)				
Description of Test Item	Basic Standard	Performance Criteria	Observation Criteria	Results
Electrostatic discharge (ESD)	EN 61000-4-2:2009	B	B	PASS
Radio-frequency, Continuous radiated disturbance	EN 61000-4-3:2006+A1:2008+A2:2010	A	A	PASS
Electrical fast transient (EFT)	EN 61000-4-4:2012	B	B	PASS
Surge (Input a.c. power port)	EN 61000-4-5:2014	B	B	PASS
Radio-frequency, Continuous conducted disturbance	EN 61000-4-6:2014	A	A	PASS
Power frequency magnetic field	EN 61000-4-8:2010	A	A	PASS
Voltage dips, >95% reduction	EN 61000-4-11:2004	B	B	PASS
Voltage dips, 30% reduction		C	C	PASS
Voltage interruptions		C	C	PASS
N/A is an abbreviation for Not Applicable.				

2.2. Test Facilities

EMC Lab : Accredited by CNAS, CHINA
Registration No.: L5288
This Accreditation is valid until: November 12, 2029

Recognized by FCC, USA
Designation Number: CN1215
This Recognition is valid until: January 31, 2026

Accredited by A2LA, USA
Registration No.: 4366.01
This Accreditation is valid until: January 31, 2026

Recognized by Industry Canada
CAB identifier No.: CN0035
This Recognition is valid until: January 31, 2026

Recognized by VCCI, Japan
Registration No.: C-14103; T-20073; R-13663;
R-20103; G-20097
Date of registration: Apr. 20, 2020
This Recognition is valid until: Apr. 19, 2026

Recognized by TUV Rheinland, Germany
Registration No.: UA 50413872 0001
Date of registration: July 31, 2018

Recognized by Intertek
Registration No.: 2011-RTL-L2-64
Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,
Guangdong, China

2.3.List of Test and Measurement Instruments

2.3.1.For conducted emission at the mains terminals test (2# conduction)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESRP3	EST-E070	June 12,23	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E048	June 12,23	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	EST-E078	June 12,23	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

2.3.2.For radiated emission test (1# 966 radiation)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	June 12,23	1 Year
Bilog Antenna	Teseq	CBL 6111D	EST-E034	June 12,23	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

2.3.3.For radiated emission test (2# 966 radiation)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR3	EST-E049	June 12,23	1 Year
Bilog Antenna	Teseq	CBL 6111D	EST-E053	June 12,23	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

2.3.4.For radiated emission test (above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	June 12,23	1 Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	EST-E031	June 12,23	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

2.3.5.For harmonic current emissions and voltage fluctuations/flicker test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Analyzer	California Instruments	3001IX-208-CTS	EST-E011	June 12,23	1 Year
Voltage Source	California Instruments	3001IX-208	EST-E012	June 12,23	1 Year
Test Software	California Instruments	CTS	N/A	N/A	N/A

2.3.6.For electrostatic discharge immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
ESD Generator	Teseq	NSG437	EST-E132	June 12,23	1 Year

2.3.7.For electrical fast transient/burst immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EFT Generator	EMC PARTNER	TRANSIENT 2000	EST-E074	June 12,23	1 Year
Capacitive Coupling Clamp	HAEFELY	IP4A	EST-E040	June 12,23	1 Year

2.3.8. Radio Frequency Electromagnetic Field Immunity (R/S) Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Signal Generator	Agilent	N5181A	EST-E060	June 12,23	1 Year
Power Amplifier	SKET	HAP801000M-250W	EST-E061	N/A	N/A
Power Amplifier	SKET	HAP0103G-75W	EST-E062	N/A	N/A
Power Amplifier	SKET	HAP0306G-50W	EST-E063	N/A	N/A
Power Meter	Agilent	E4419B	EST-E064	June 12,23	1 Year
Power sensor	Agilent	E9301A	EST-E065	June 12,23	1 Year
Power sensor	HP	E9301A	EST-E066	June 12,23	1 Year
Antenna	Schwarzbeck	STLP 9129	EST-E059	N/A	N/A
E-Field Probe	Narda	EP-601	EST-E067	June 12,23	1 Year
Audio Analyzer	Rohde &Schwarz	UPV	EST-E024	June 12,23	1 Year
Test Software	SKET	EMC-S	V1.2.0.48	N/A	N/A

2.3.9. For surge immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Surge Controller	HAEFELY	PSURGE8000	EST-E015	June 12,23	1 Year
Surge Impulse Module	HAEFELY	PIM100	EST-E016	June 12,23	1 Year
Surge Coupling Network	HAEFELY	PCD100	EST-E017	June 12,23	1 Year

2.3.10. For injected currents susceptibility test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Signal Generator	Rohde &Schwarz	SMB100A	EST-E025	June 12,23	1 Year
Power Amplifier	FRANKONIA	CIT-10	EST-E021	N/A	N/A
Power Meter	Rohde &Schwarz	NRVS	EST-E027	June 12,23	1 Year
Audio Analyzer	Rohde &Schwarz	UPV	EST-E024	June 12,23	1 Year
CDN	FRANKONIA	CDN-M2+M3	EST-E022	June 12,23	1 Year
EM-Clamp	FRANKONIA	EMCL-20	EST-E042	June 12,23	1 Year
Test Software	SKET	EMC-S	V1.2.0.80	N/A	N/A

2.3.11. For power frequency magnetic field immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Magnetic Field Tester	HAEFELY	MFS 100	EST-E018	June 12,23	1 Year

2.3.12. For voltage dips and short interruptions immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Fail Simulator	3ctest	PFS 2216SD	EST-E136	Aug. 01,23	1 Year

Note: All calibration reports of the equipment were provided by LiSai calibration and Testing

3. TEST SET-UP AND OPERATION MODES

3.1. Principle of Configuration Selection

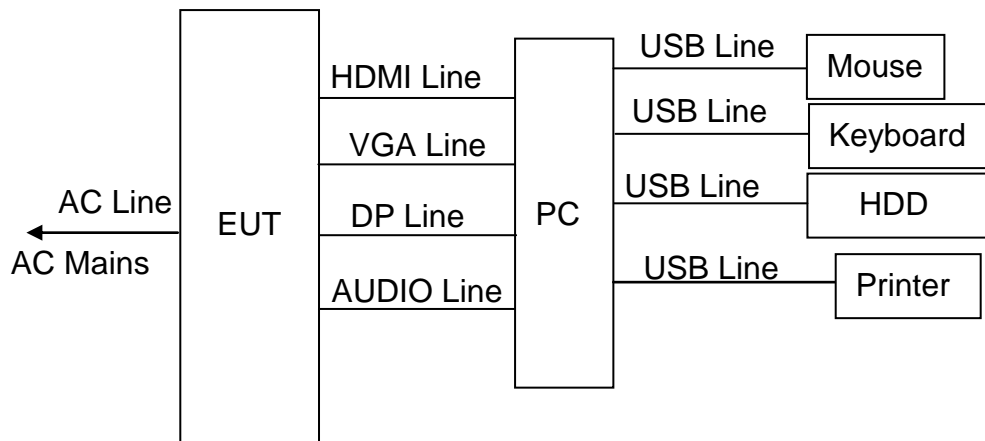
Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

Immunity: The equipment under test (EUT) was configured to the representative operating mode and conditions.

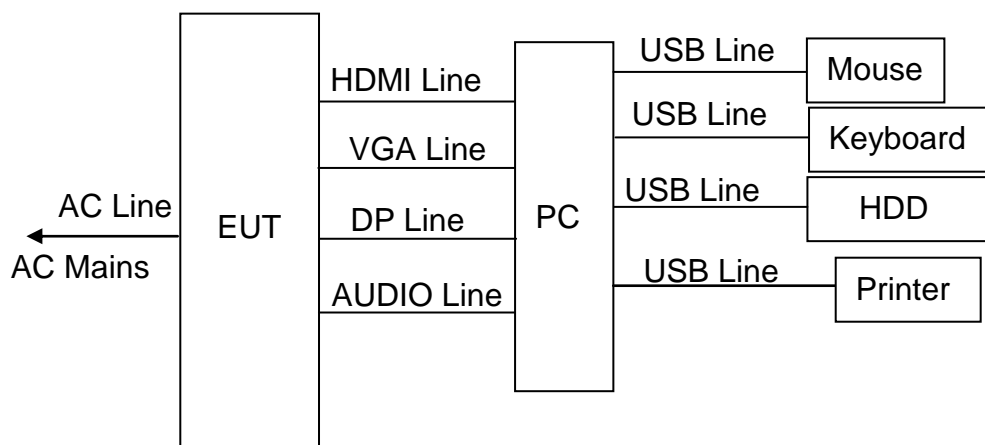
3.2. Block Diagram of Test Set-up

System Diagram of Connections Between EUT and Simulators

3.2.1. For emission test



3.2.2. For immunity test



(EUT: LCD Monitor)

3.3. Test Operation Mode and Test Software

Refer to Test Setup in clause 4 & 5.

3.4. Special Accessories and Auxiliary Equipment

3.4.1. DELL PC (4K)

M / N : Precision Tower 3620
S / N : 23TH6H2
Manufacturer : DELL

3.4.2. Keyboard

M / N : L100
S / N : CN-0RH656-65890-01M-070T
Manufacturer : Dell
Data Cable : Shielded, Undetachable, 1.8m

3.4.3. Mouse

M / N : MOL5VO
S / N : JOQ03RNT
Manufacturer : Dell
Data Cable : Shielded, Undetachable, 1.5m

3.4.4. Printer

M / N : HP LaserJet 1020 Plus
Manufacturer : HP
AC Line : Unshielded, Detachable 1.2m
USB Line : Unshielded, Detachable 1.2m

3.4.5. iPod

M / N : A1238
S / N : 8K044D2Z9ZU
Manufacturer : Apple

3.5. Countermeasures to Achieve EMC Compliance

None.

4. EMISSION TEST RESULTS

4.1. Conducted Emission at the Mains Terminals Test

RESULT : **Pass**
Test procedure : EN 55032:2015+A1:2020
Frequency : 0.15 ~ 30MHz
Test Site : 2# Conduction Shielded Room
Limits : EN 55032:2015+A1:2020 Class B

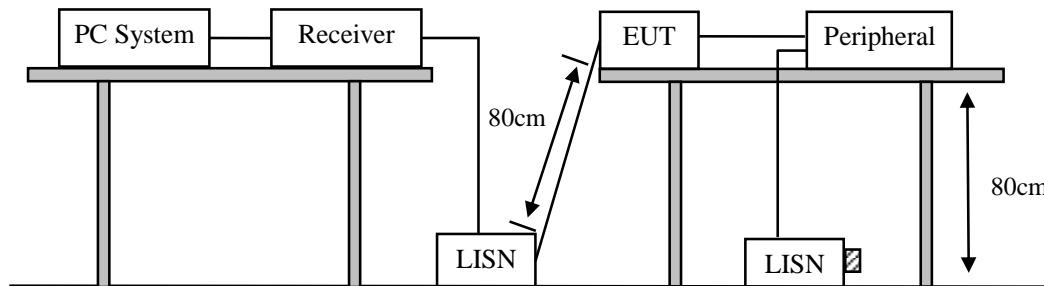
Test Setup

Date of test : Apr. 20, 2022
Model No. : LA-2402
Input Voltage : AC 110V/60Hz, AC 230V/50Hz
Operation Mode : HDMI, VGA, DP

The bandwidth of the test receiver was set at 9kHz.

The frequency range from 150 kHz to 30 MHz was investigated.

The test data of the worst case condition(s) was reported on the following page.



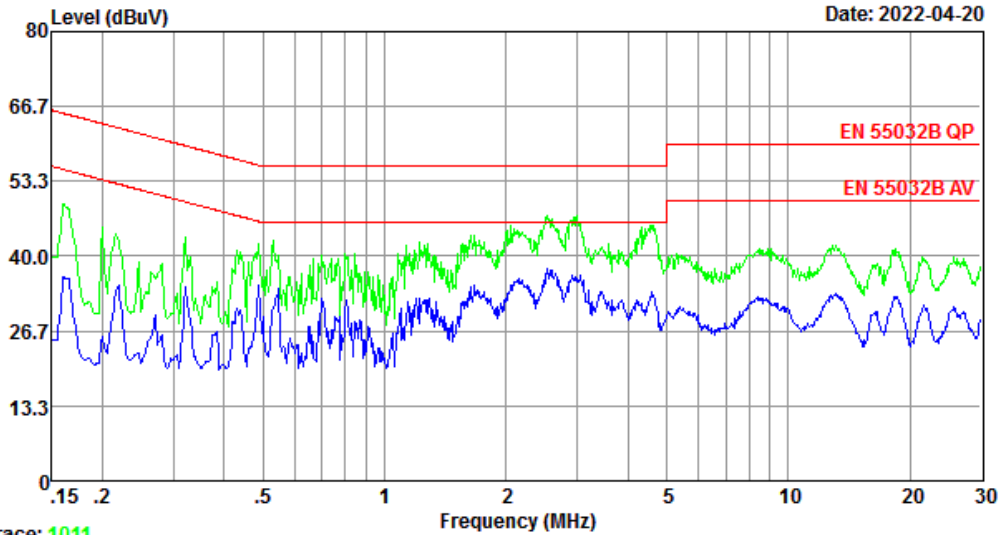
Note: Test uncertainty: ± 3.42 dB at a level of confidence of 95%.(2#CE)

Test Data

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1012 File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150) Date: 2022-04-20



Trace: 1011
Site no : 2#CE Shield Room Data no. : 1012
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : HDMI (1920*1080)

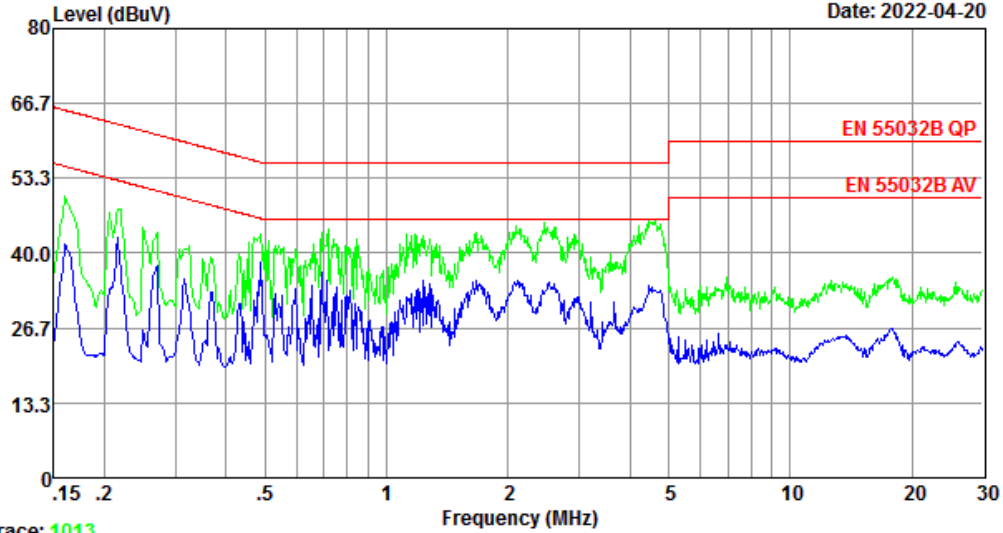
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1014

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1013

Site no : 2#CE Shield Room Data no. : 1014
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : HDMI (1920*1080)

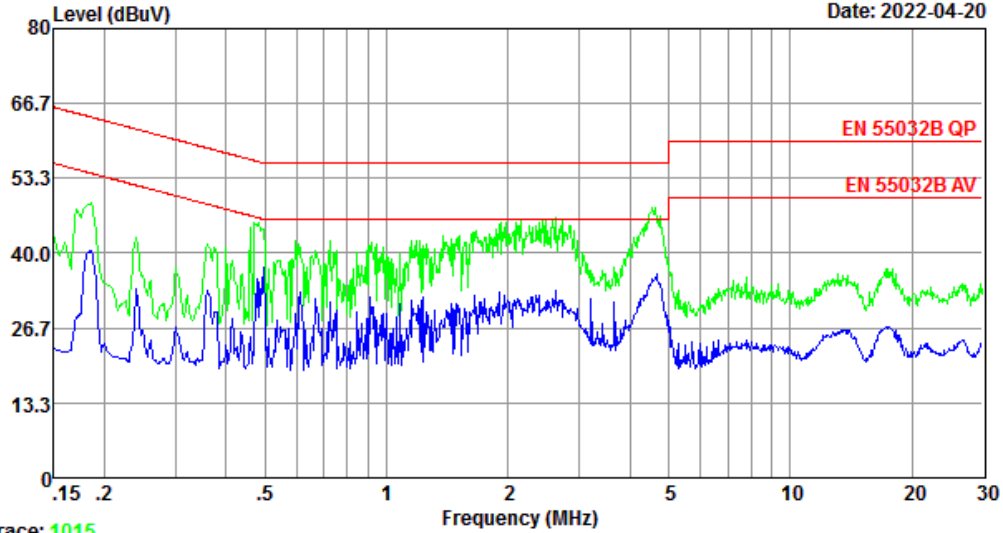
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1016

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1015

Site no : 2#CE Shield Room Data no. : 1016
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : HDMI (1920*1080)

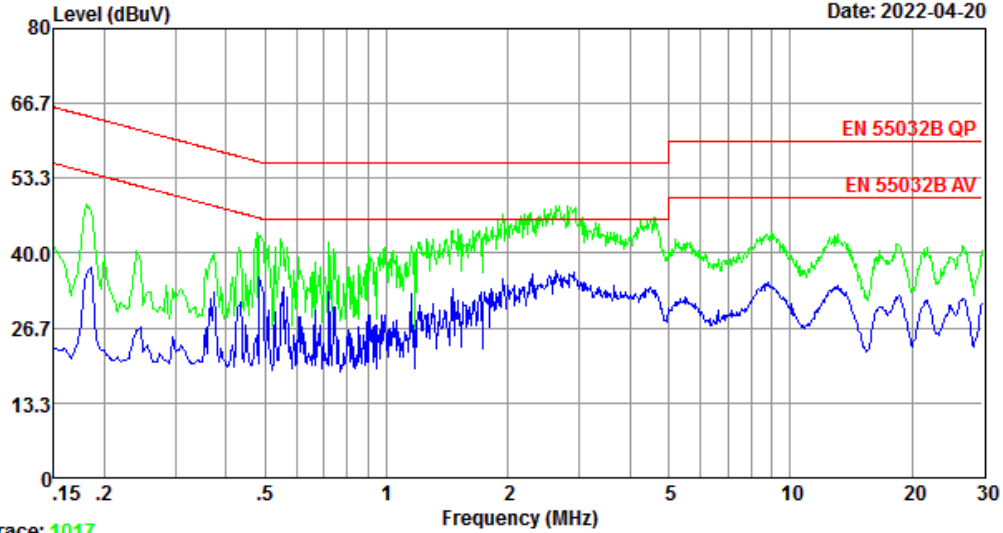
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1018

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



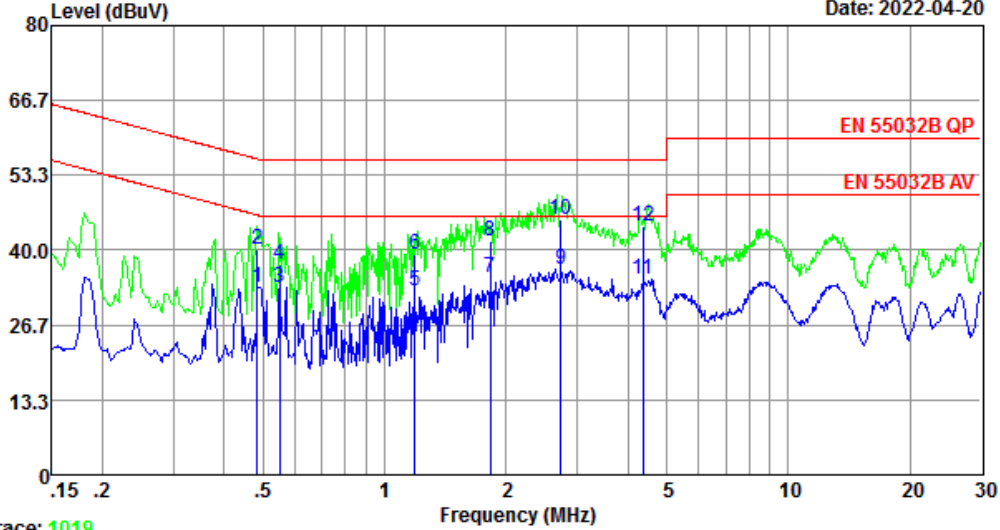
Trace: 1017

Site no : 2#CE Shield Room Data no. : 1018
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : HDMI (1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1020 File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150) Date: 2022-04-20



Trace: 1019
 Site no : 2#CE Shield Room Data no. : 1020
 Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : NEUTRAL
 Limit : EN 55032B QP
 Engineer : ZSX
 EUT : LCD Monitor
 Power : AC 110V/60Hz
 M/N : LA-2402
 Test Mode : VGA(1920*1080)

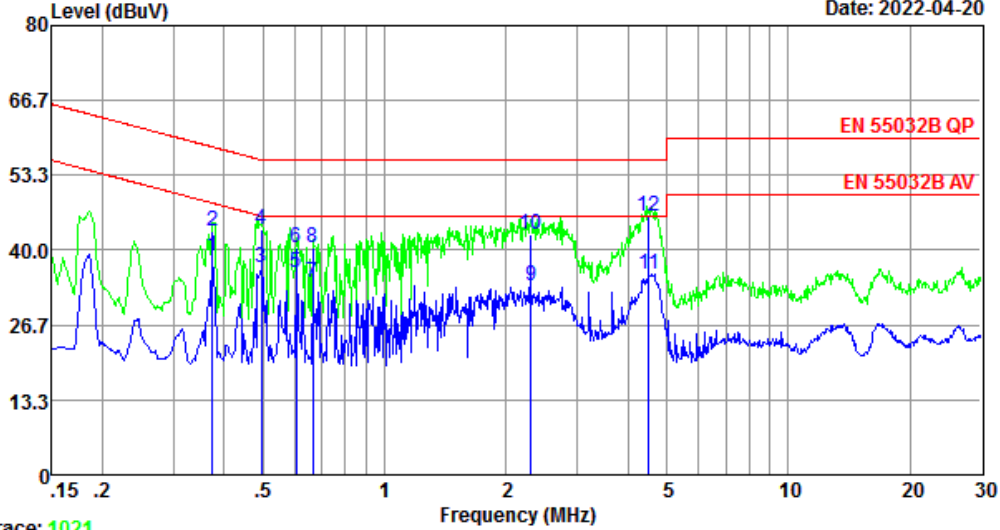
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.48	9.76	9.92	13.82	33.50	46.27	12.77	Average
2	0.48	9.76	9.92	20.61	40.29	56.27	15.98	QP
3	0.55	9.76	9.92	13.66	33.34	46.00	12.66	Average
4	0.55	9.76	9.92	17.89	37.57	56.00	18.43	QP
5	1.19	9.82	9.94	13.06	32.82	46.00	13.18	Average
6	1.19	9.82	9.94	19.62	39.38	56.00	16.62	QP
7	1.83	9.93	9.95	15.36	35.24	46.00	10.76	Average
8	1.83	9.93	9.95	21.67	41.55	56.00	14.45	QP
9	2.74	9.96	9.97	16.77	36.70	46.00	9.30	Average
10	2.74	9.96	9.97	25.62	45.55	56.00	10.45	QP
11	4.36	10.03	9.99	14.93	34.95	46.00	11.05	Average
12	4.36	10.03	9.99	24.17	44.19	56.00	11.81	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1022 File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150) Date: 2022-04-20



Trace: 1021
 Site no : 2#CE Shield Room Data no. : 1022
 Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : LINE
 Limit : EN 55032B QP
 Engineer : ZSX
 EUT : LCD Monitor
 Power : AC 110V/60Hz
 M/N : LA-2402
 Test Mode : VGA(1920*1080)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.38	9.81	9.92	19.23	38.96	48.39	9.43	Average
2	0.38	9.81	9.92	23.60	43.33	58.39	15.06	QP
3	0.49	9.84	9.92	17.03	36.79	46.10	9.31	Average
4	0.49	9.84	9.92	23.98	43.74	56.10	12.36	QP
5	0.60	9.83	9.92	16.13	35.88	46.00	10.12	Average
6	0.60	9.83	9.92	20.67	40.42	56.00	15.58	QP
7	0.66	9.82	9.92	14.53	34.27	46.00	11.73	Average
8	0.66	9.82	9.92	20.68	40.42	56.00	15.58	QP
9	2.31	10.01	9.96	13.73	33.70	46.00	12.30	Average
10	2.31	10.01	9.96	22.95	42.92	56.00	13.08	QP
11	4.50	9.90	10.00	15.82	35.72	46.00	10.28	Average
12	4.50	9.90	10.00	26.26	46.16	56.00	9.84	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

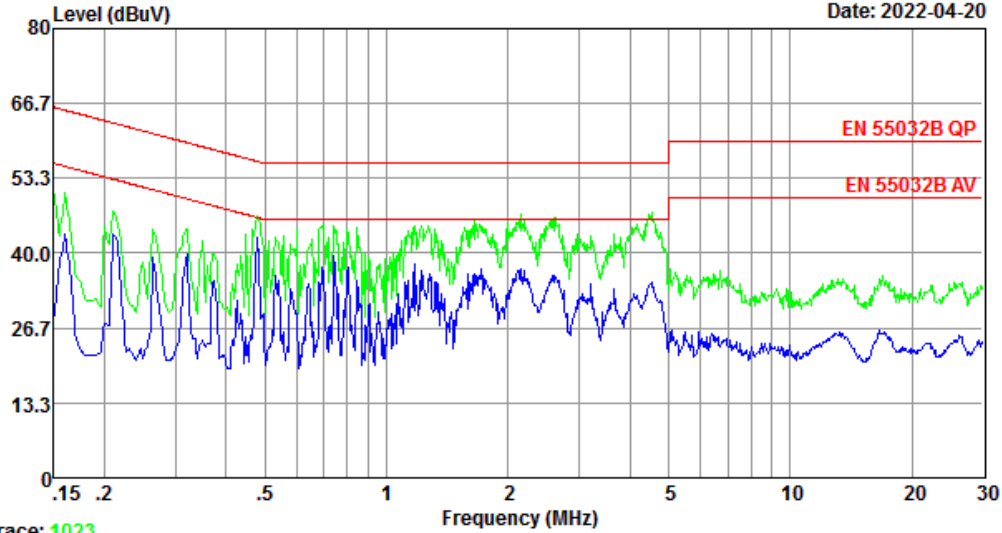
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1024

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1023

Site no : 2#CE Shield Room Data no. : 1024
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : VGA(1920*1080)

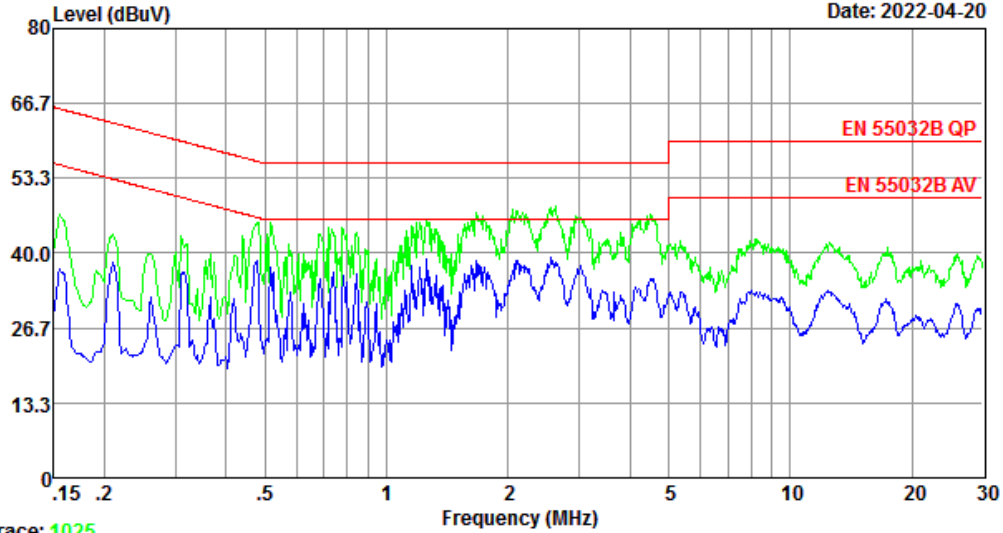
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1026

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1025

Site no : 2#CE Shield Room Data no. : 1026
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : VGA(1920*1080)

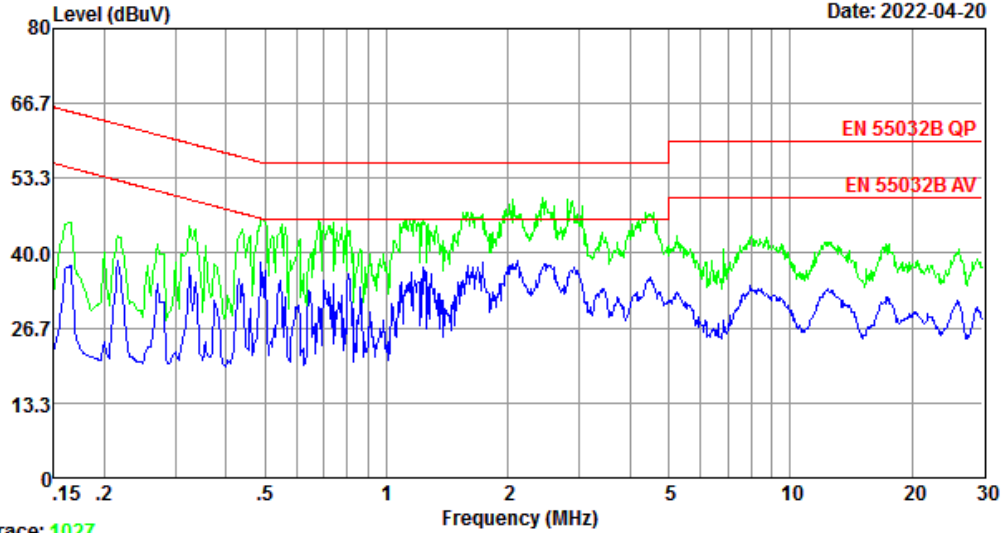
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1028

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1027

Site no : 2#CE Shield Room Data no. : 1028
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : DP(1920*1080)

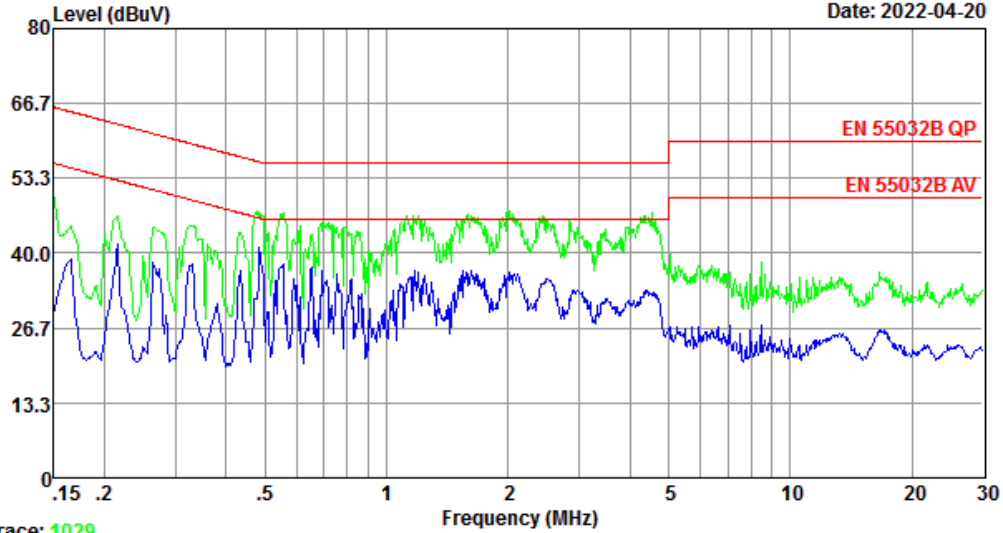
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1030

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



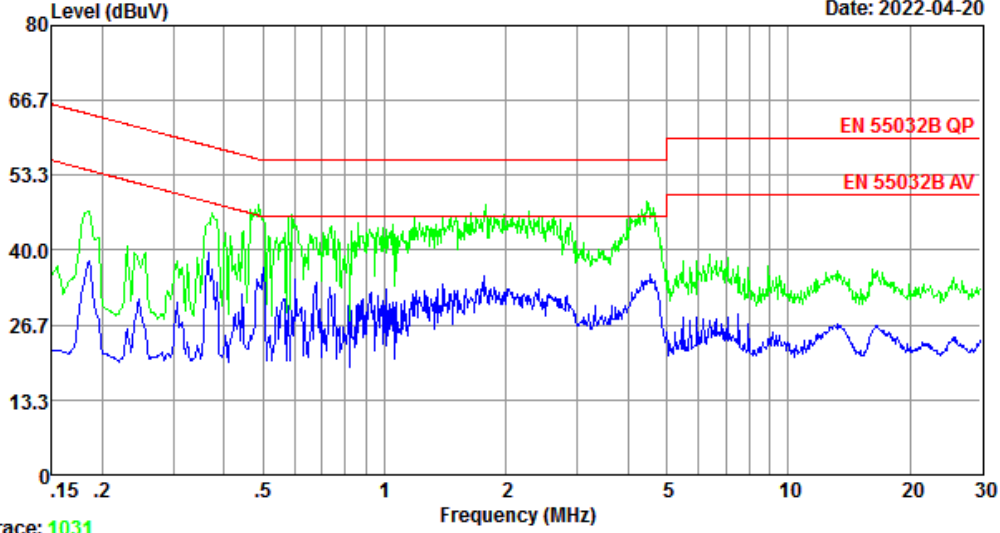
Trace: 1029

Site no : 2#CE Shield Room Data no. : 1030
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : DP(1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1032 File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150) Date: 2022-04-20



Trace: 1031
Site no : 2#CE Shield Room Data no. : 1032
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : DP(1920*1080)

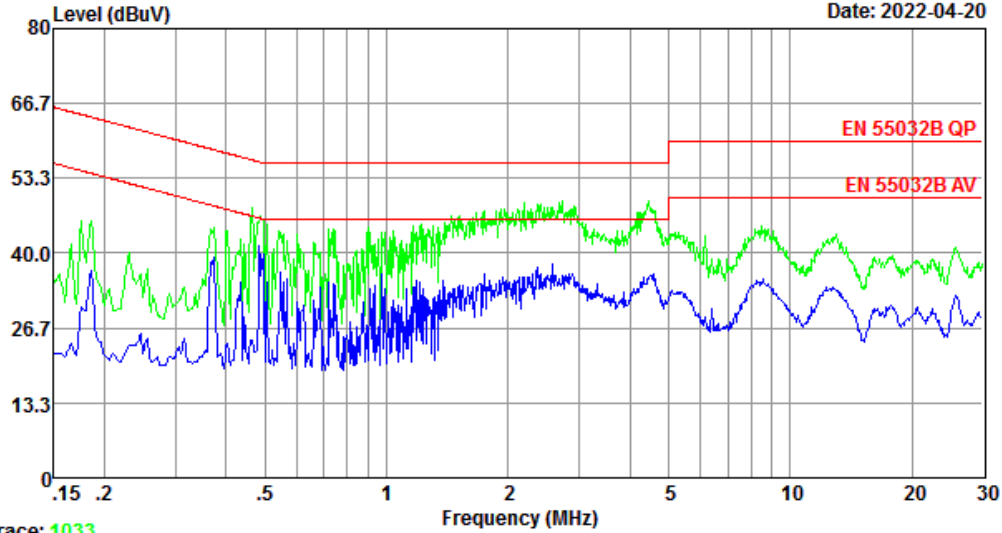
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1034

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1033

Site no : 2#CE Shield Room Data no. : 1034
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : DP(1920*1080)

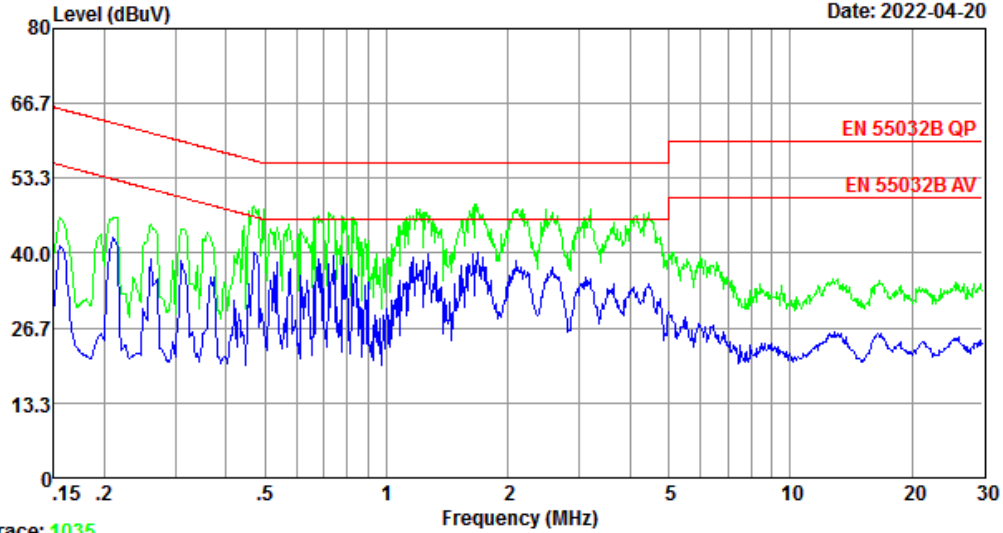
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1036

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1035

Site no : 2#CE Shield Room Data no. : 1036
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : VGA(1280*800)

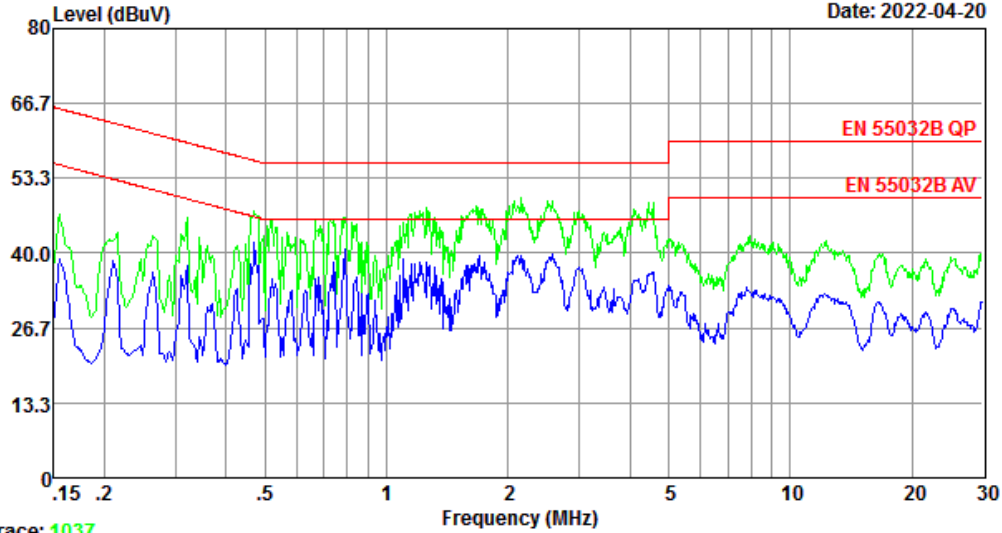
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1038

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1037

Site no : 2#CE Shield Room Data no. : 1038
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : VGA(1280*800)

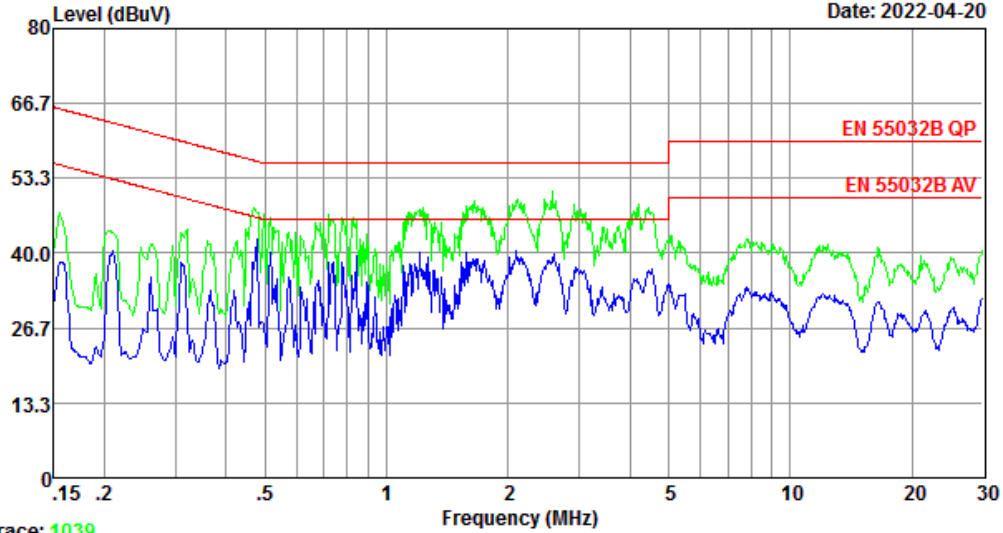
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1040

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1039

Site no : 2#CE Shield Room Data no. : 1040
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : VGA(800*600)

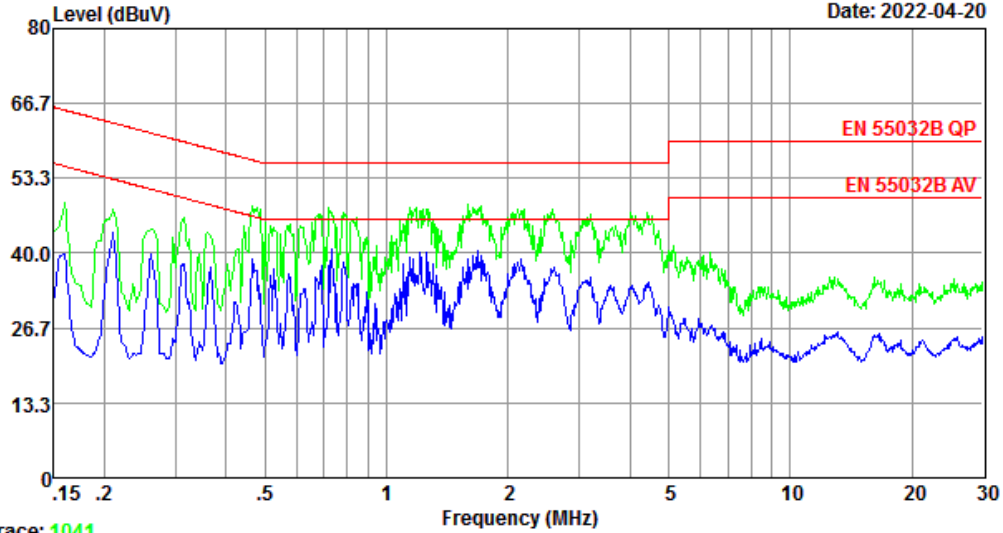
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 1042

File: \\EMC-CE-2\Test Data\2022\H\备份\HKC-0423.EM6 (1150)

Date: 2022-04-20



Trace: 1041

Site no : 2#CE Shield Room Data no. : 1042
Env. / Ins. : Temp:22.8°C Humi:49% Press:101.40kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : ZSX
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : VGA(800*600)

4.2. Radiated Emission Test

RESULT : **Pass**
 Test procedure : EN 55032:2015+A1:2020
 Frequency : 30 ~ 1000MHz
 Test Site : 1#966 Chamber; 2#966 Chamber
 Limits : EN 55032:2015+A1:2020 Class B

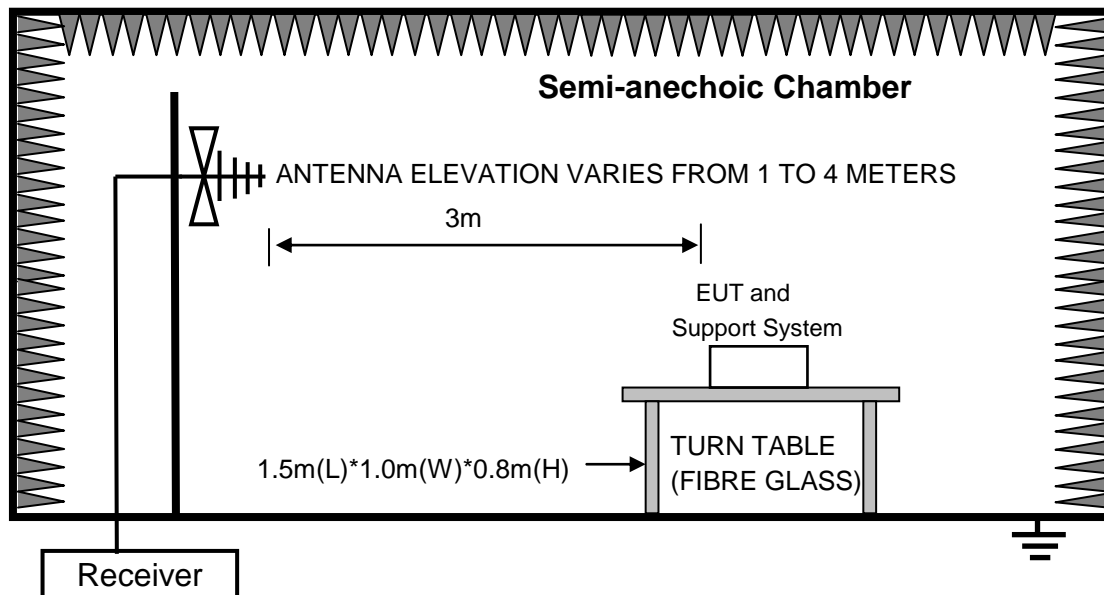
Test Setup

Date of test : Apr. 23, 2022; Feb. 29, 2024
 Model No. : LA-2402; MH2402
 Input Voltage : AC 110V/60Hz, AC 230V/50Hz
 Operation Mode : HDMI, VGA, DP

The EUT was placed on a turn table which was 0.8 m above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector from the spectrum, and all the final readings from the test receiver were measured with the Quasi-Peak detector.

The bandwidth setting on the test receiver was 120 kHz.



Note:

Test uncertainty: ±4.36 dB (H);±4.72 dB (V) at a level of confidence of 95%.(1#966)
Test uncertainty: ±4.26 dB (H);±4.84 dB (V) at a level of confidence of 95%.(2#966)

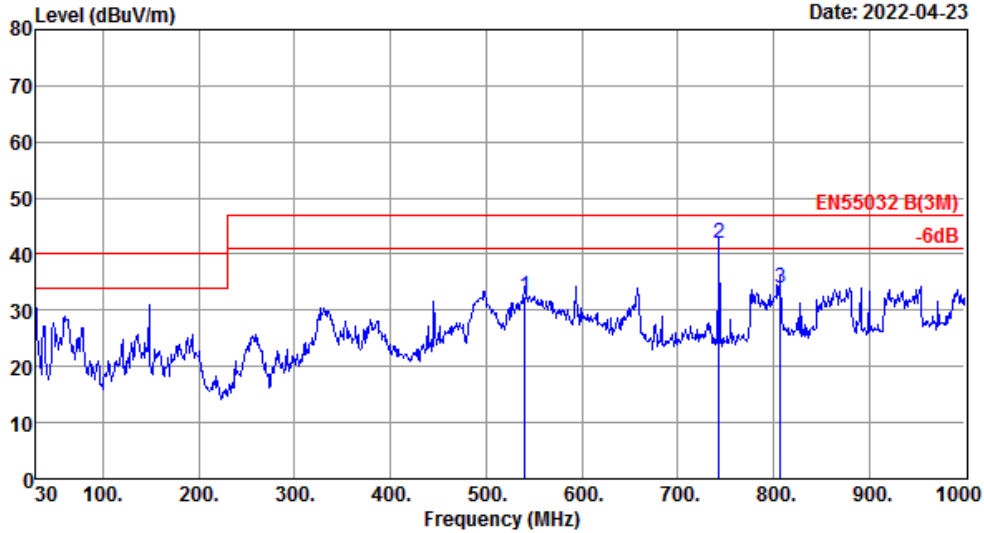
Test Data

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 598 File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 598
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:24.3°C,Humi:52.8%;Press:101.92KPa
 Engineer : Malone
 EUT : LCD Monitor
 Power : AC 230V/50Hz
 M/N : LA-2402
 Test Mode : HDMI Mode(1920*1080)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	540.22	19.20	2.14	11.03	32.37	47.00	14.63	QP
2	742.95	21.76	2.81	17.35	41.92	47.00	5.08	QP
3	806.97	23.28	2.72	8.05	34.05	47.00	12.95	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

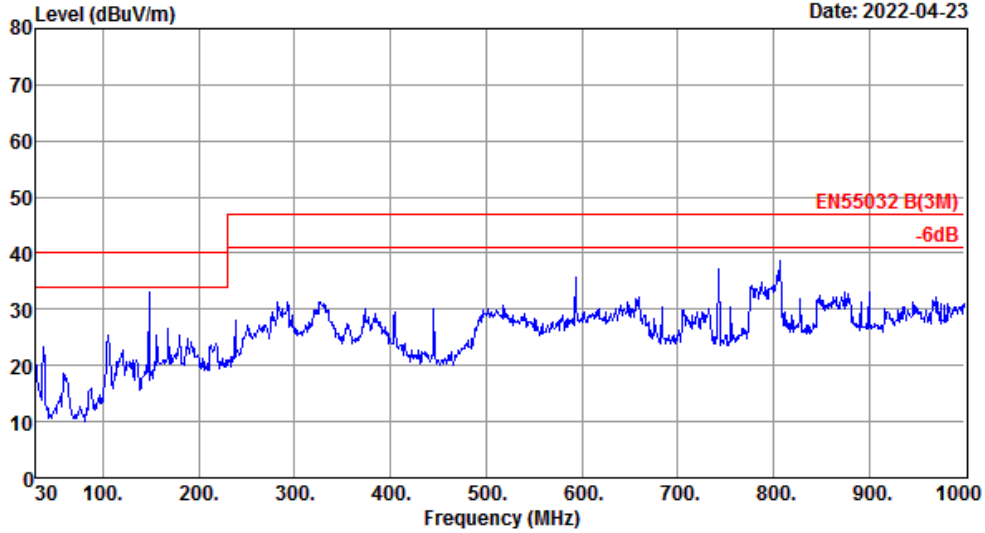
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 599

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 599
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : HDMI Mode(1920*1080)

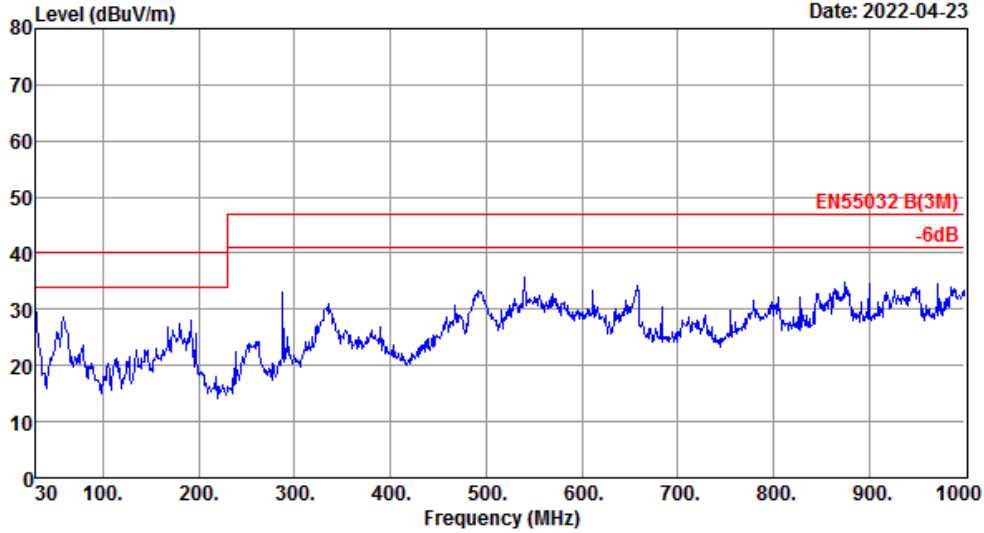
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 602

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 602
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : DP Mode (1920*1080)

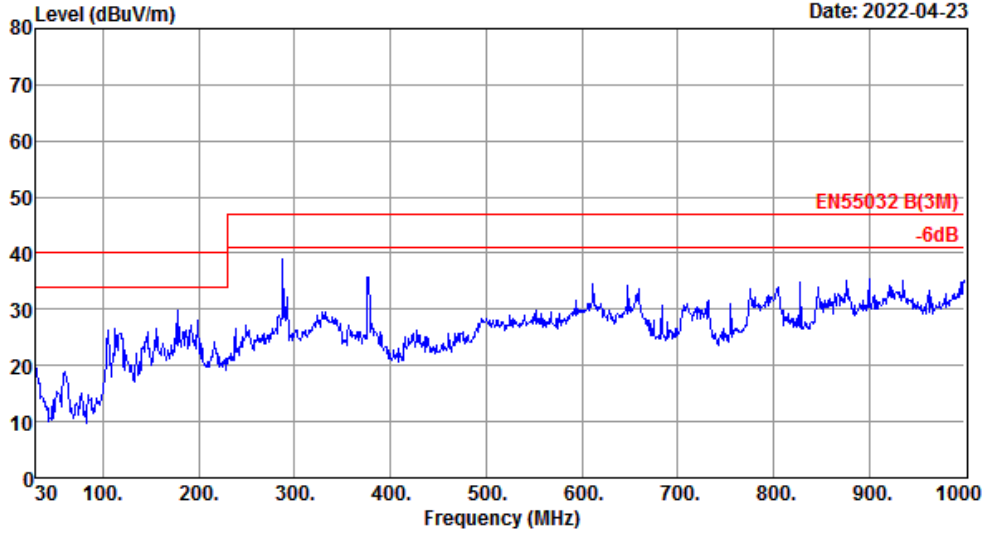
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 604

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 604
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : DP Mode (1920*1080)

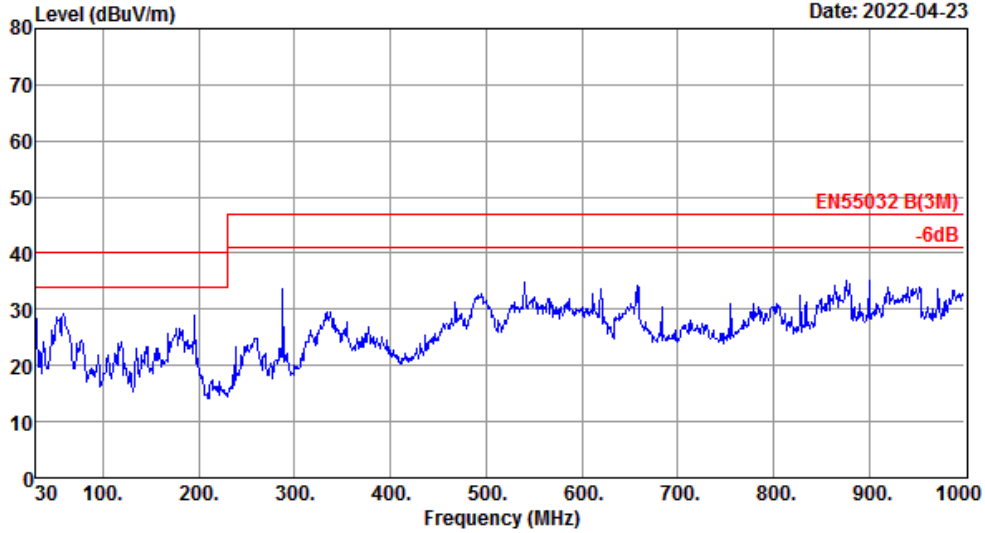
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 605

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 605
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : DP Mode (1920*1080)

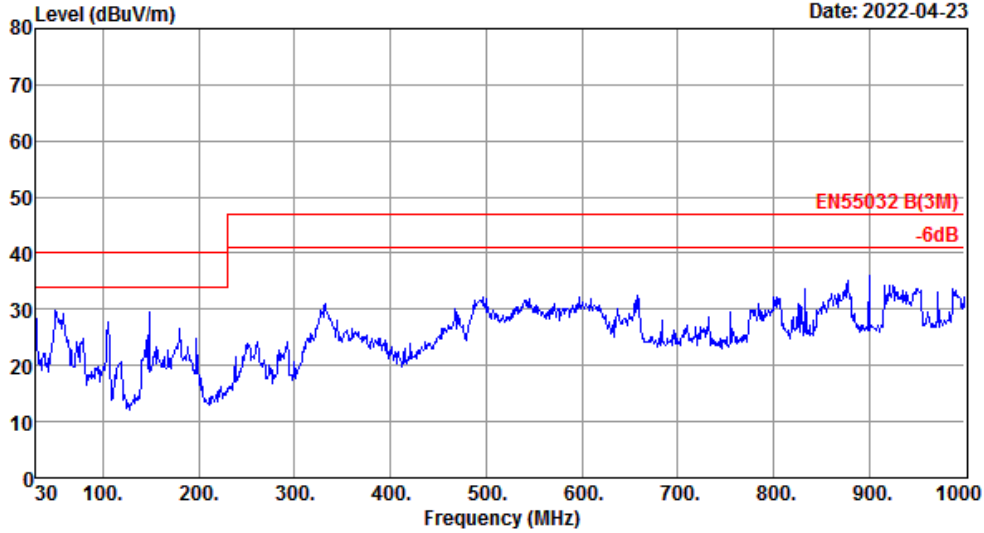
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 606

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 606
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : VGA Mode (1920*1080)

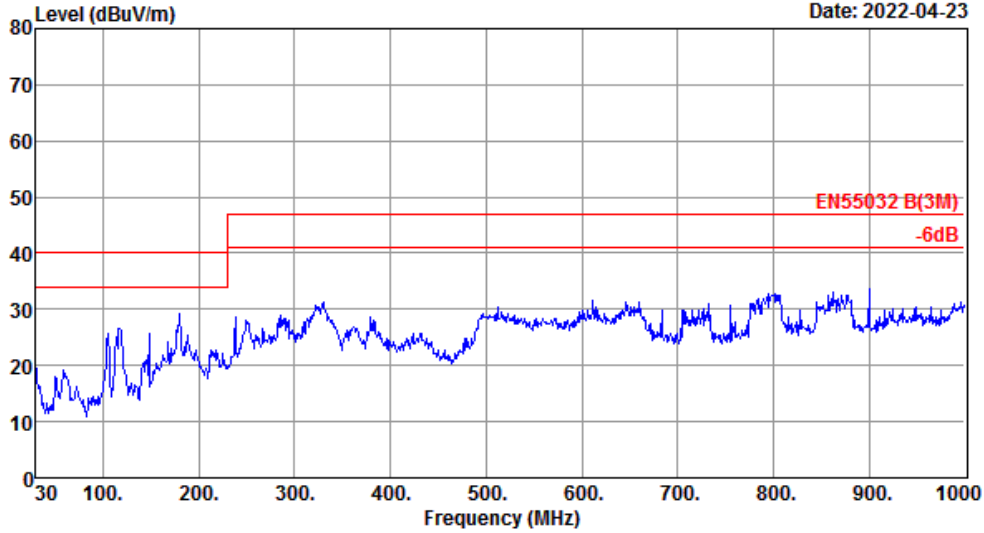
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 607

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 607
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : VGA Mode (1920*1080)

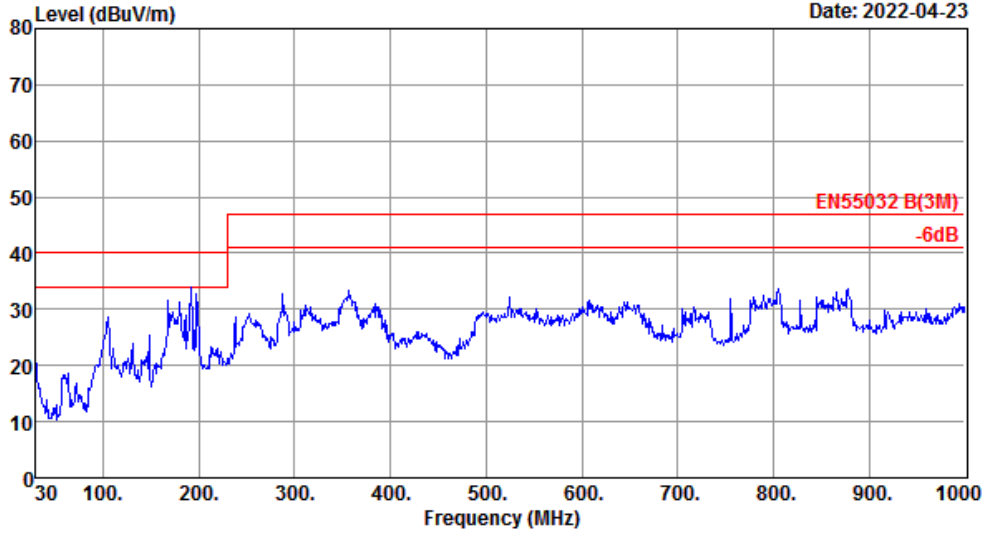
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 608

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 608
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : VGA Mode (1920*1080)

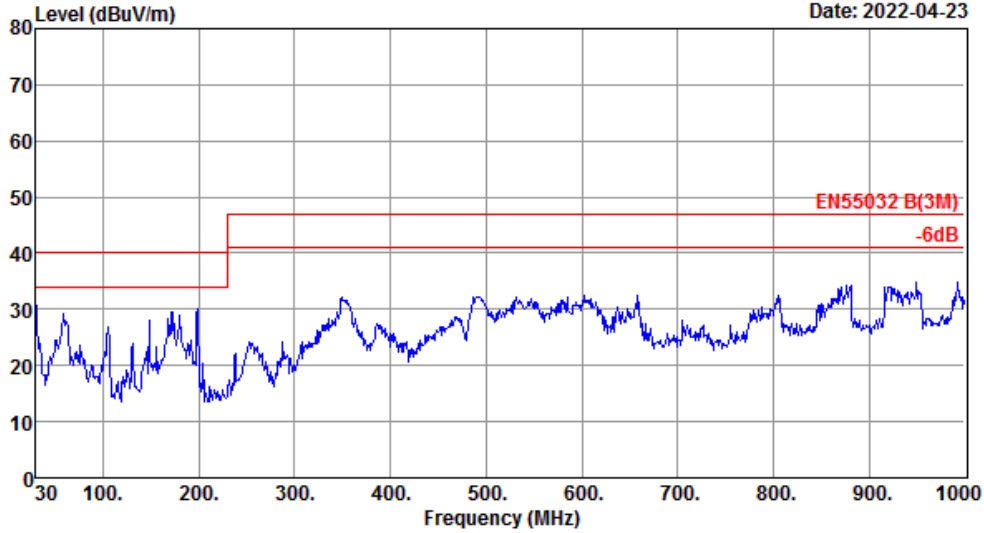
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 609

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 609
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : VGA Mode (1920*1080)

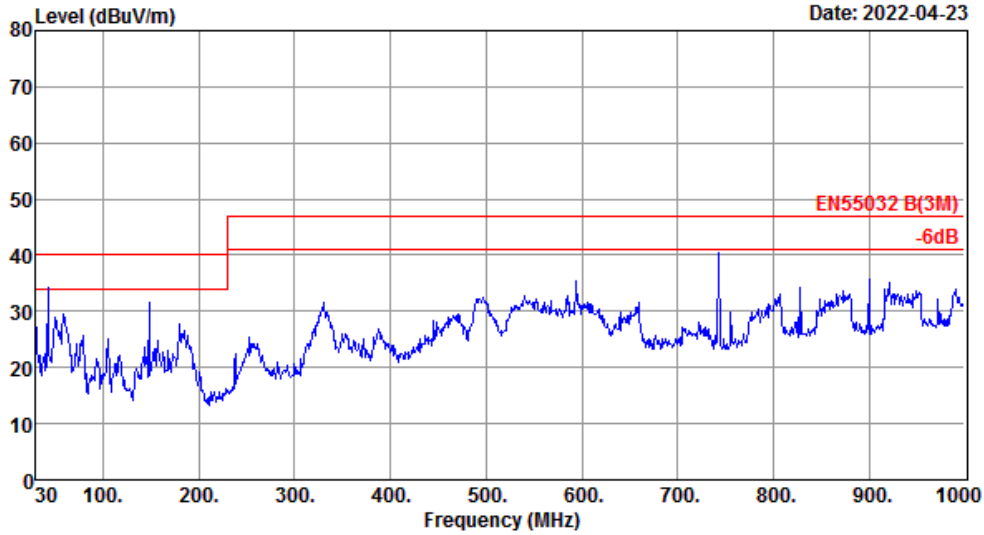
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 610

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 610
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : HDMI Mode (800*600)

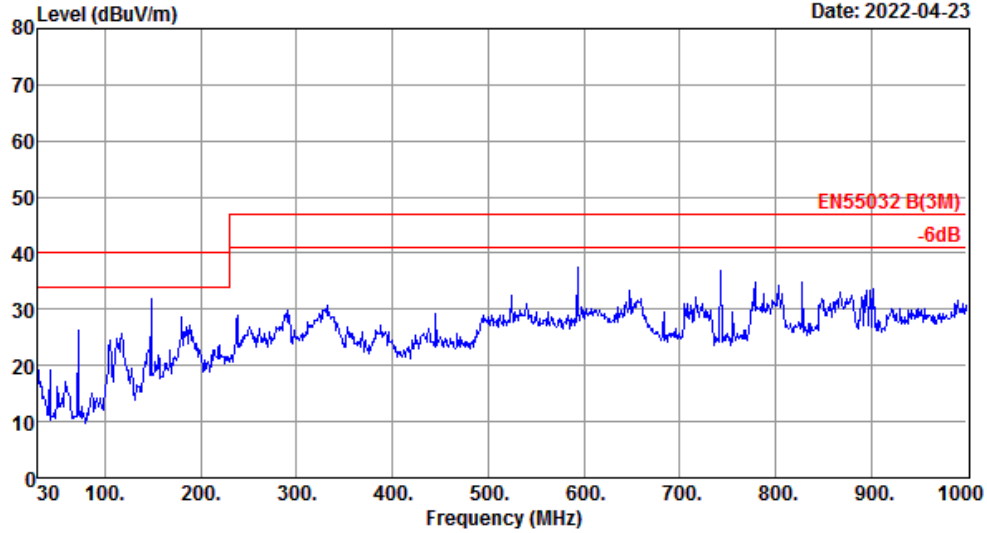
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 611

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 611
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : HDMI Mode (800*600)

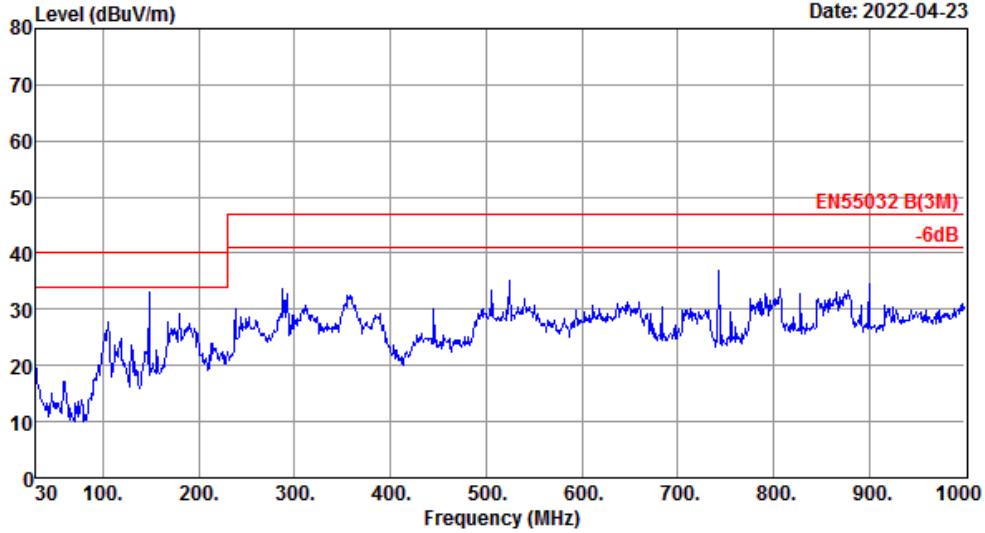
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 612

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 612
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : HDMI Mode (800*600)

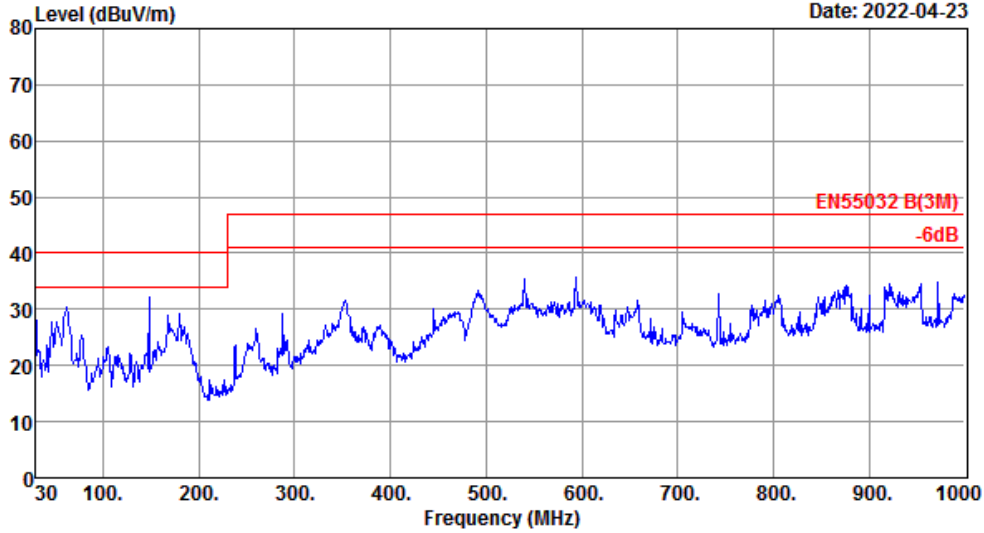
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 613

File: \\EMC-966-1\test data\2022\HHKC.EM6 (725)

Date: 2022-04-23



Site no. : 1# 966 Chamber Data no. : 613
Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:24.3°C, Humi:52.8%; Press:101.92KPa
Engineer : Malone
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : HDMI Mode (800*600)

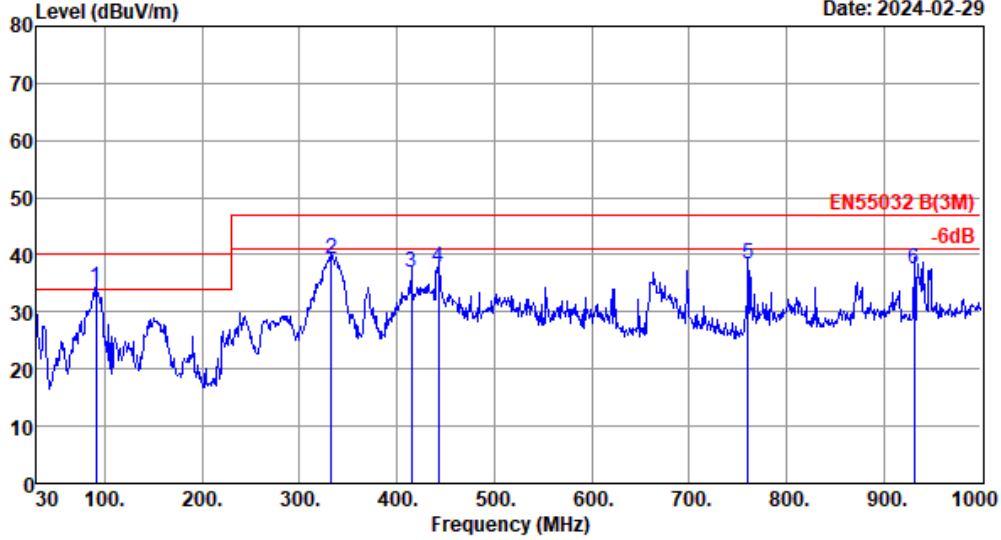
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 754

File: \\EMC-966-2\test data\2024\HHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 754
 Dis. / Ant. : 3m 47018 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
 Engineer : LST
 EUT : LCD Monitor
 Power : AC 110V/60Hz
 M/N : MH2402
 Test Mode : HDMI Mode (1920*1080)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	91.11	9.76	1.16	23.27	34.19	40.00	5.81	QP
2	332.64	14.93	2.38	22.04	39.35	47.00	7.65	QP
3	415.09	16.80	2.63	17.44	36.87	47.00	10.13	QP
4	442.25	17.22	2.72	17.92	37.86	47.00	9.14	QP
5	760.41	22.60	3.78	11.96	38.34	47.00	8.66	QP
6	931.13	24.82	4.31	8.48	37.61	47.00	9.39	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

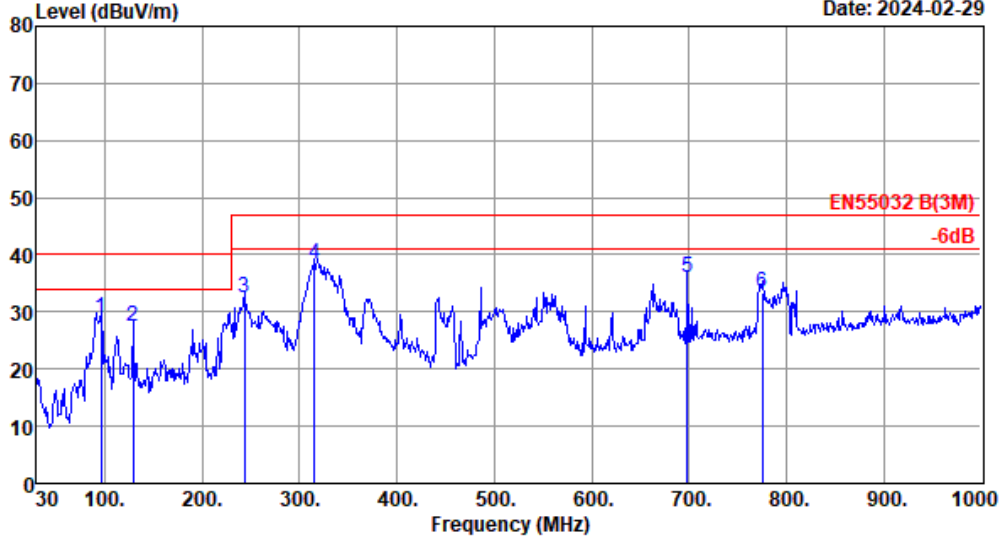
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 755

File: \\EMC-966-2\test data\2024\HHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 755
 Dis. / Ant. : 3m 47018 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
 Engineer : LST
 EUT : LCD Monitor
 Power : AC 110V/60Hz
 M/N : MH2402
 Test Mode : HDMI Mode (1920*1080)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	95.96	10.02	1.52	17.35	28.89	40.00	11.11	QP
2	128.94	12.06	1.63	13.63	27.32	40.00	12.68	QP
3	243.40	11.90	1.92	18.78	32.60	47.00	14.40	QP
4	315.18	14.40	2.29	21.63	38.32	47.00	8.68	QP
5	698.33	21.90	3.60	10.54	36.04	47.00	10.96	QP
6	774.96	23.05	3.82	6.52	33.39	47.00	13.61	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

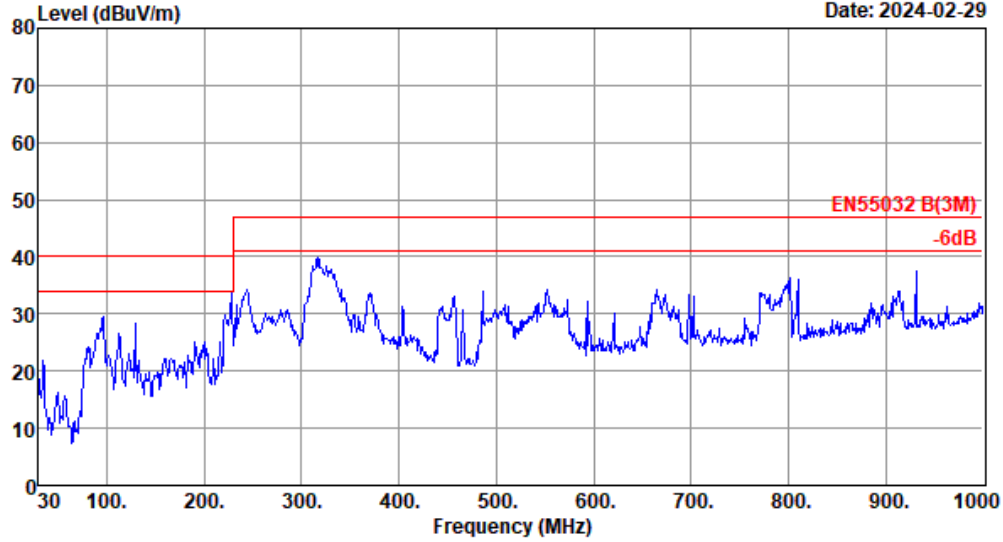
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 756

File: \\EMC-966-2\test data\2024\HHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 756
Dis. / Ant. : 3m 47018 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : HDMI Mode (1920*1080)

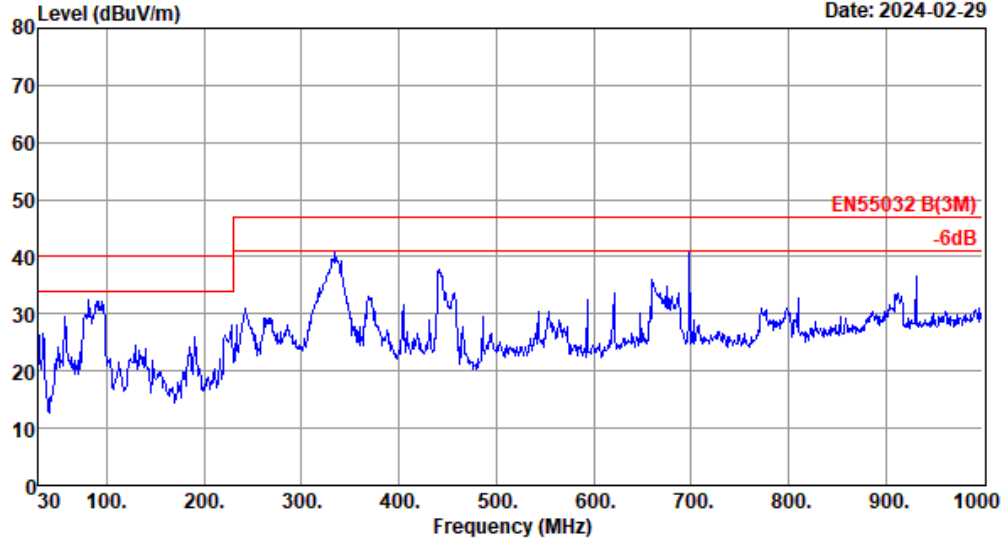
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 757

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 757
Dis. / Ant. : 3m 47018 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : HDMI Mode(1920*1080)

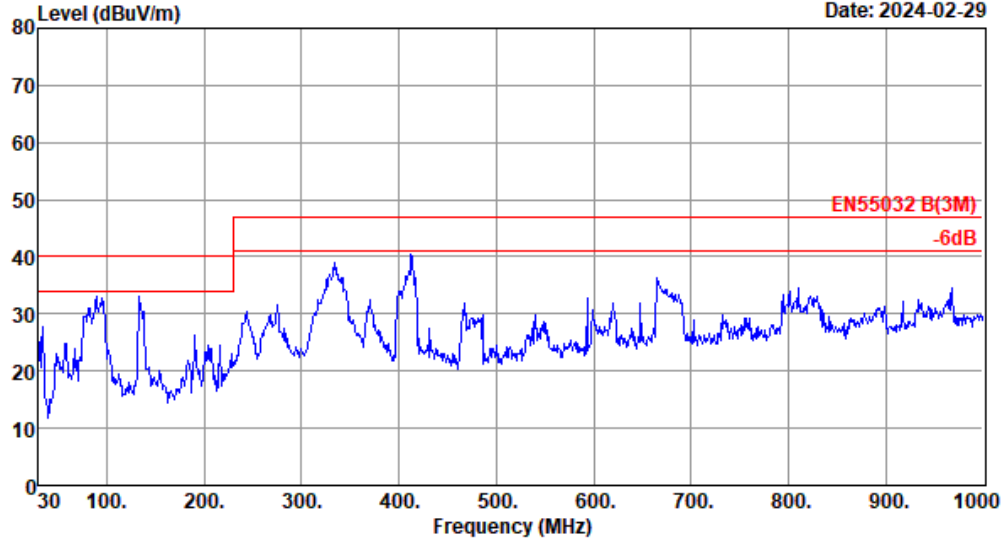
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 758

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 758
Dis. / Ant. : 3m 47018 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : DP Mode(1920*1080)

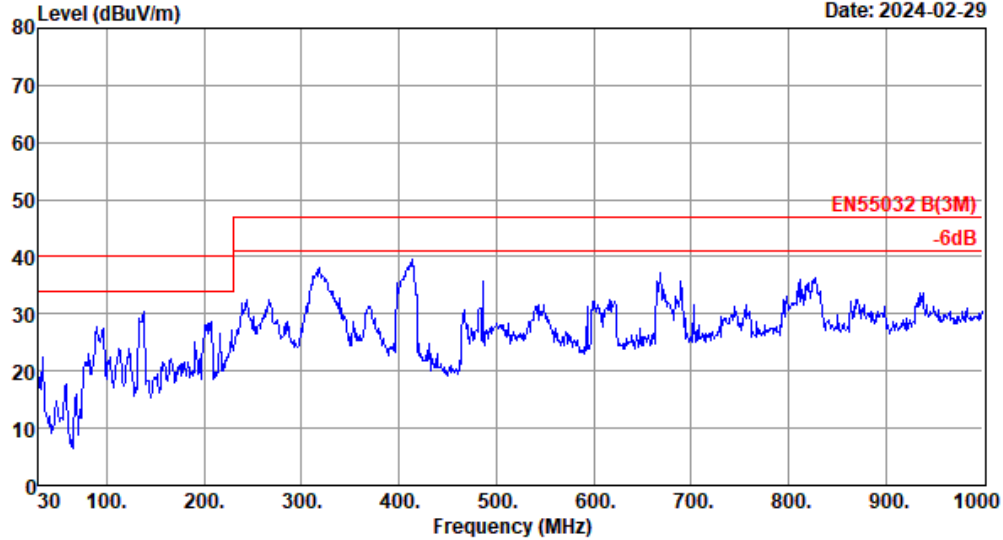
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 759

File: \\EMC-966-2\test data\2024\HHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 759
Dis. / Ant. : 3m 47018 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : DP Mode(1920*1080)

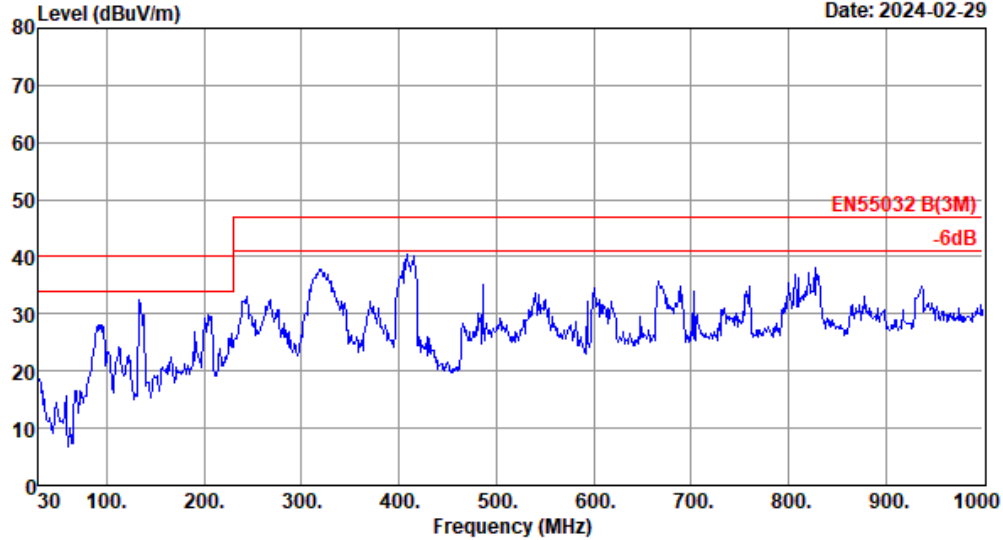
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 760

File: \\EMC-966-2\test data\2024\HHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 760
Dis. / Ant. : 3m 47018 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : DP Mode(1920*1080)

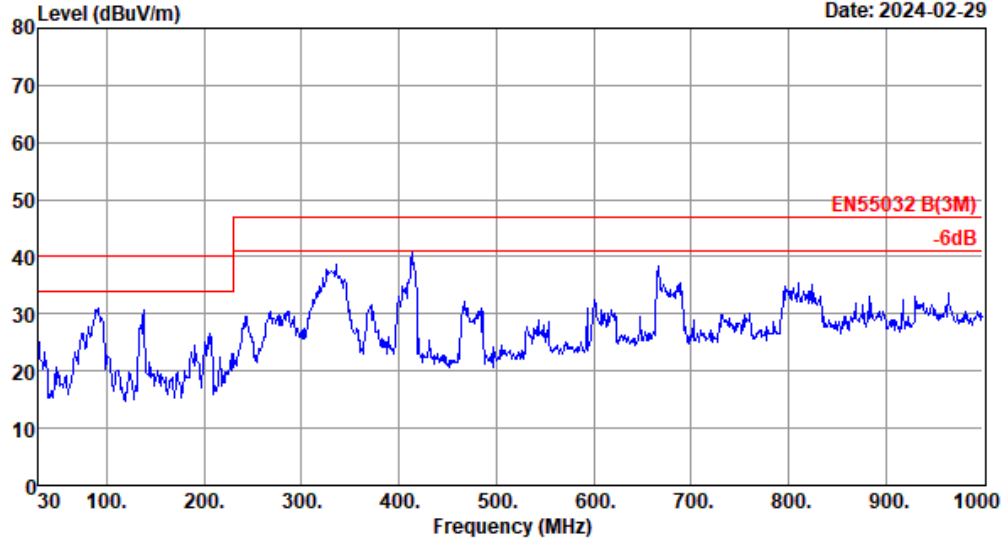
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 761

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 761
Dis. / Ant. : 3m 47018 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : DP Mode(1920*1080)

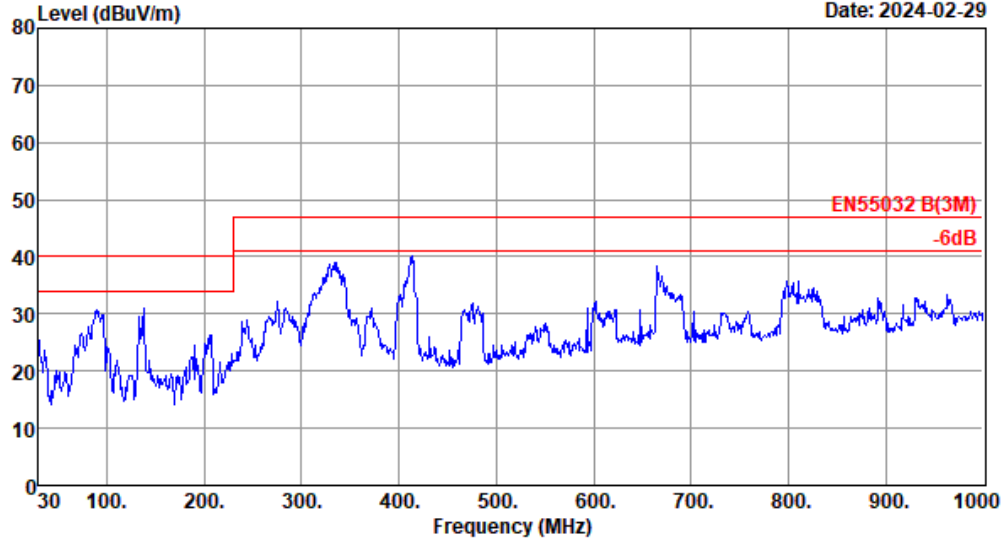
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 762

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 762
Dis. / Ant. : 3m 47018 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : VGA Mode(1920*1080)

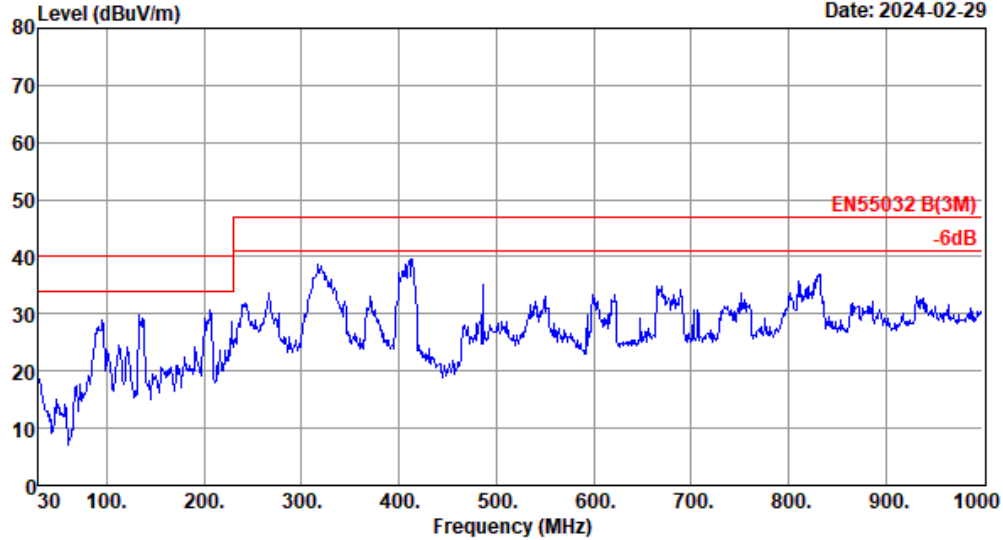
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 763

File: \\EMC-966-2\test data\2024\HHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 763
Dis. / Ant. : 3m 47018 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : VGA Mode(1920*1080)

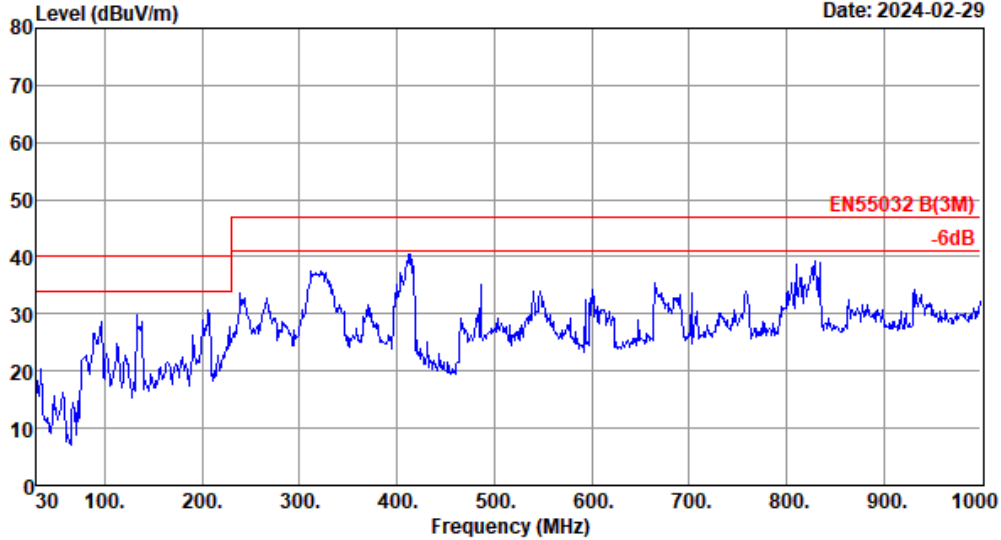
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 764

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 764
Dis. / Ant. : 3m 47018 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : VGA Mode(1920*1080)

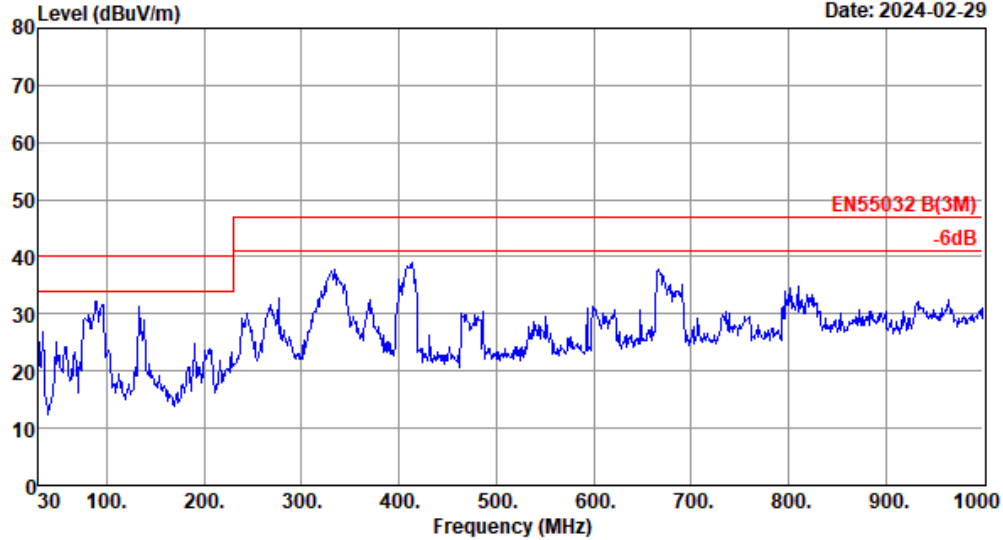
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 765

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 765
Dis. / Ant. : 3m 47018 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : VGA Mode(1920*1080)

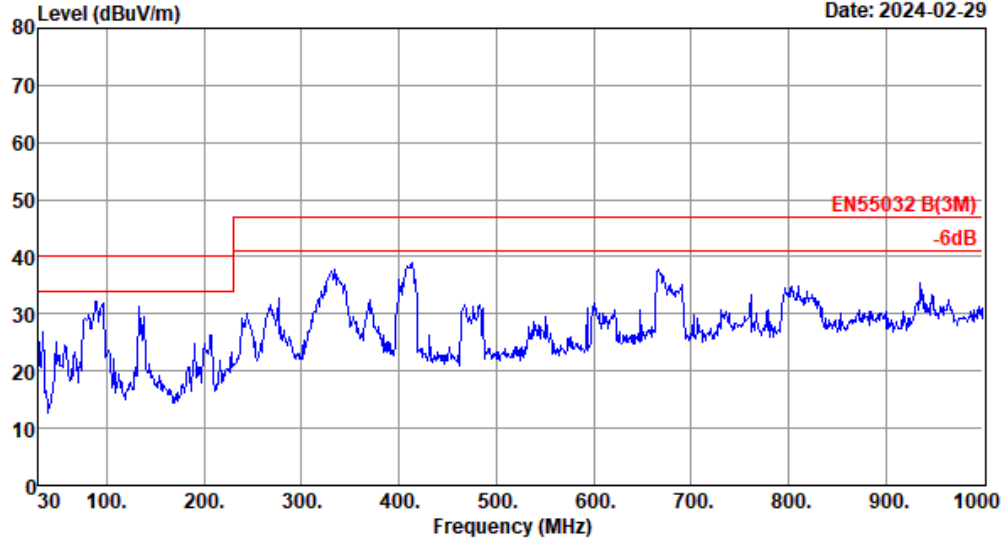
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 766

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 766
Dis. / Ant. : 3m 47018 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : HDMI Mode (1366*768)

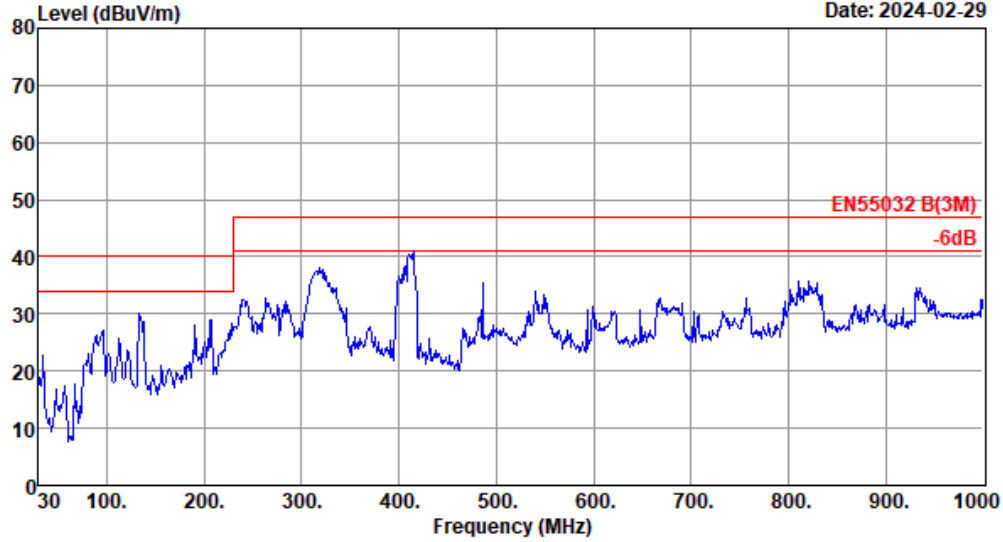
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 767

File: \\EMC-966-2\test data\2024\HHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 767
Dis. / Ant. : 3m 47018 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : HDMI Mode (1366*768)

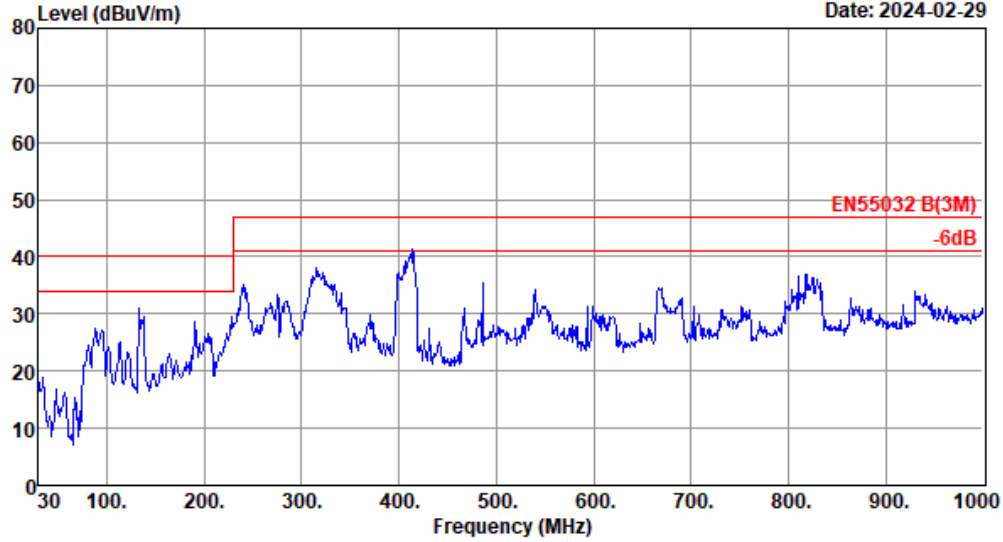
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 768

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 768
Dis. / Ant. : 3m 47018 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : HDMI Mode (800*600)

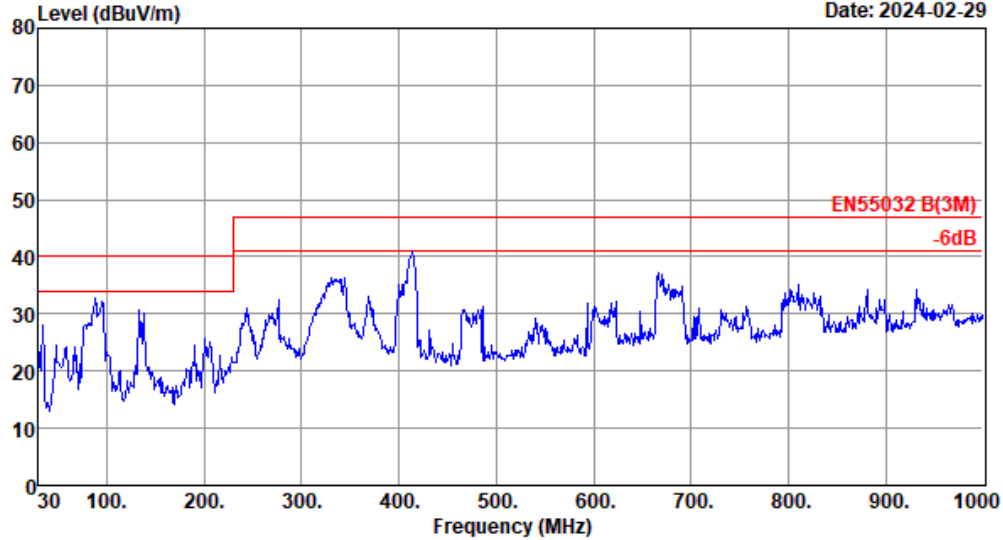
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 769

File: \\EMC-966-2\test data\2024\IHKC.EM6 (785)

Date: 2024-02-29



Site no. : 2# 966 chamber Data no. : 769
Dis. / Ant. : 3m 47018 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:22.3°C;Humi:52%;Press:101.52kPa
Engineer : LST
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : HDMI Mode (800*600)

4.3. Radiated Emission Test (above 1GHz)

RESULT : **Pass**
 Test procedure : EN 55032:2015+A1:2020
 Frequency : 1GHz-6GHz
 Test Site : 966 Chamber
 Limits : EN 55032:2015+A1:2020 Class B

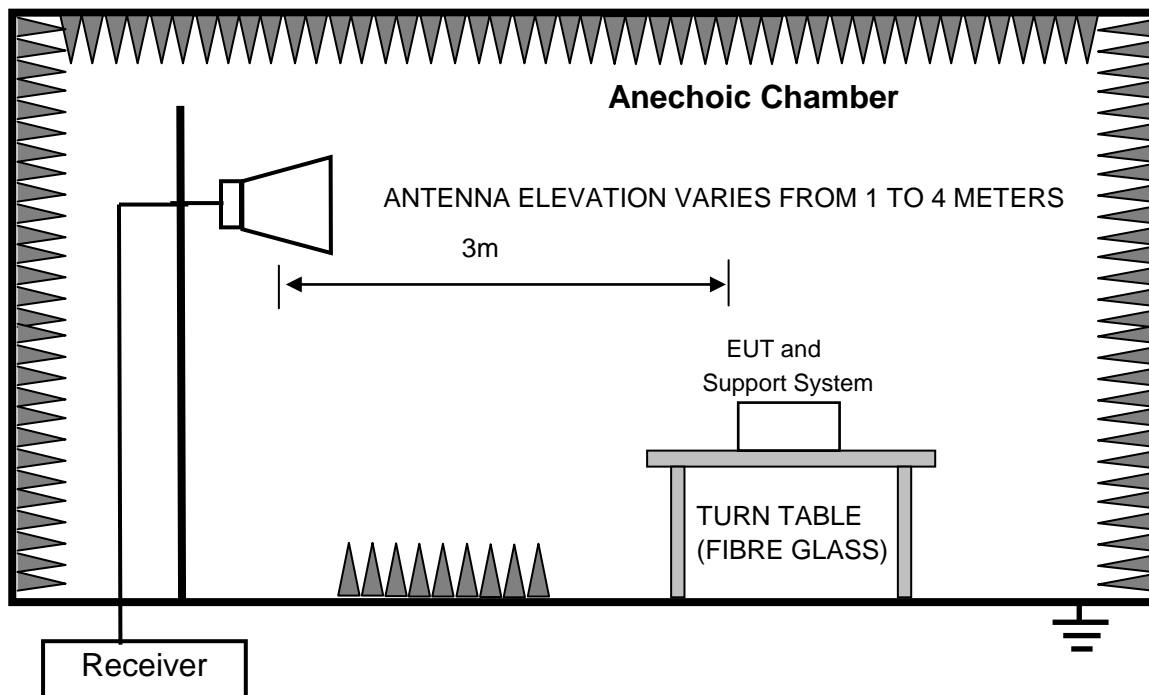
Test Setup

Date of test : Apr. 20, 2022; Feb. 28, 2024
 Model No. : LA-2402; MH2402
 Input Voltage : AC 110V/60Hz, AC 230V/50Hz
 Operation Mode : HDMI, VGA, DP

The EUT was placed on a turn table which was 0.8 m above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector and Average detector from the spectrum, and all the final readings from the test receiver were measured with the Peak detector and Average detector.

The bandwidth setting on the test receiver was 1MHz(above 1GHz).



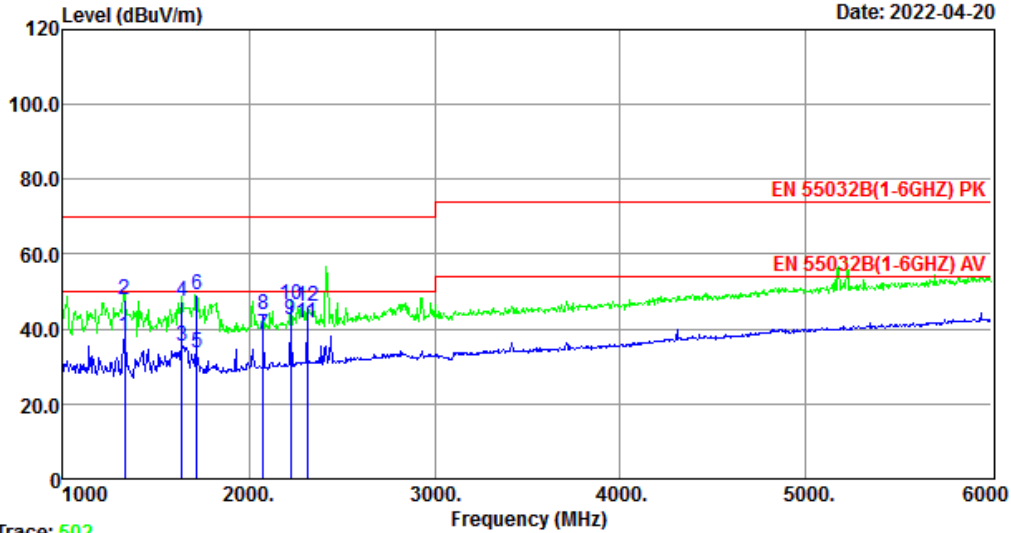
Note: Test uncertainty: $\pm 4.72\text{dB}$ at a level of confidence of 95%.

Test Data

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 503 File: \\EMC-966-1\test data\2022\HHKC.EM6 (745) Date: 2022-04-20



Trace: 502
 Site no. : 1# 966 Chamber Data no. : 503
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : EN 55032B(1-6GHZ) PK
 Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
 Engineer : XJF
 EUT : LCD Monitor
 Power : AC 230V/50Hz
 M/N : LA-2402
 Test Mode : HDMI Mode(1920*1080)

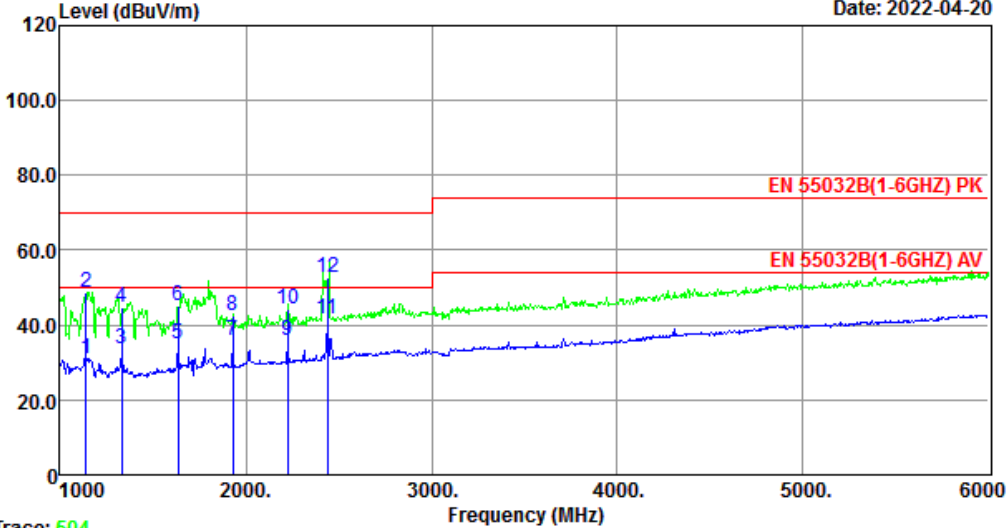
	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1330.00	24.36	2.35	11.41	38.12	50.00	11.88	Average
2	1330.00	24.36	2.35	20.98	47.69	70.00	22.31	Peak
3	1640.00	25.28	2.53	7.76	35.57	50.00	14.43	Average
4	1640.00	25.28	2.53	19.73	47.54	70.00	22.46	Peak
5	1720.00	25.38	2.57	5.77	33.72	50.00	16.28	Average
6	1720.00	25.38	2.57	21.35	49.30	70.00	20.70	Peak
7	2080.00	26.99	2.82	8.63	38.44	50.00	11.56	Average
8	2080.00	26.99	2.82	13.93	43.74	70.00	26.26	Peak
9	2225.00	27.12	2.95	12.48	42.55	50.00	7.45	Average
10	2225.00	27.12	2.95	16.63	46.70	70.00	23.30	Peak
11	2315.00	27.21	3.03	11.31	41.55	50.00	8.45	Average
12	2315.00	27.21	3.03	15.97	46.21	70.00	23.79	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 505 File: \\EMC-966-1\test data\2022\HHKC.EM6 (745) Date: 2022-04-20



Trace: 504
 Site no. : 1# 966 Chamber Data no. : 505
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
 Limit : EN 55032B(1-6GHZ) PK
 Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
 Engineer : XJF
 EUT : LCD Monitor
 Power : AC 230V/50Hz
 M/N : LA-2402
 Test Mode : HDMI Mode(1920*1080)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
1	1140.00	24.23	2.24	4.74	31.21	50.00	18.79	Average
2	1140.00	24.23	2.24	22.32	48.79	74.00	25.21	Peak
3	1330.00	24.36	2.35	6.89	33.60	50.00	16.40	Average
4	1330.00	24.36	2.35	17.97	44.68	74.00	29.32	Peak
5	1635.00	25.25	2.52	7.01	34.78	50.00	15.22	Average
6	1635.00	25.25	2.52	17.61	45.38	74.00	28.62	Peak
7	1930.00	26.43	2.70	6.81	35.94	50.00	14.06	Average
8	1930.00	26.43	2.70	13.26	42.39	74.00	31.61	Peak
9	2225.00	27.12	2.95	5.92	35.99	50.00	14.01	Average
10	2225.00	27.12	2.95	14.26	44.33	74.00	29.67	Peak
11	2440.00	27.35	3.16	11.16	41.67	50.00	8.33	Average
12	2440.00	27.35	3.16	21.97	52.48	74.00	21.52	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

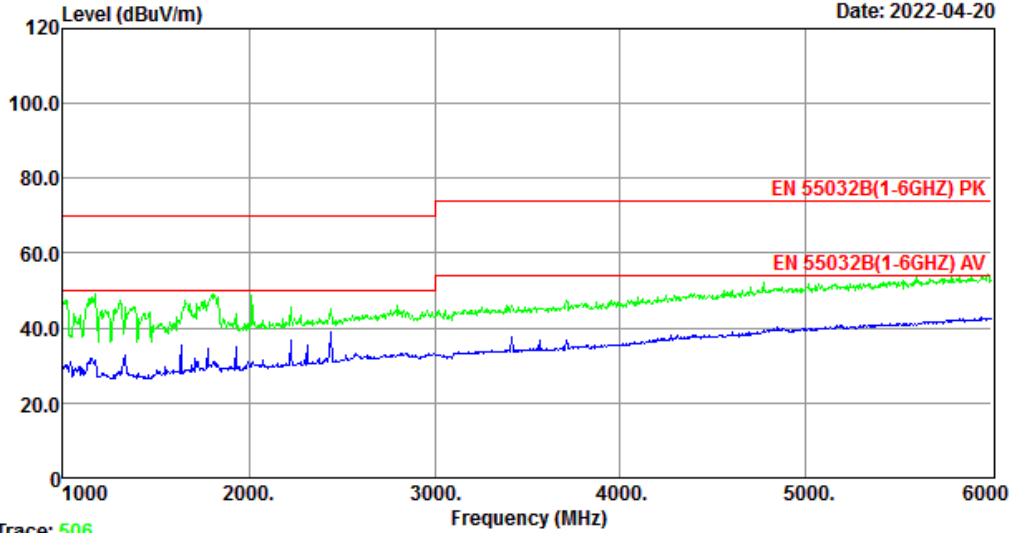
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 507

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 506

Site no. : 1# 966 Chamber Data no. : 507
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : HDMI Mode(1920*1080)

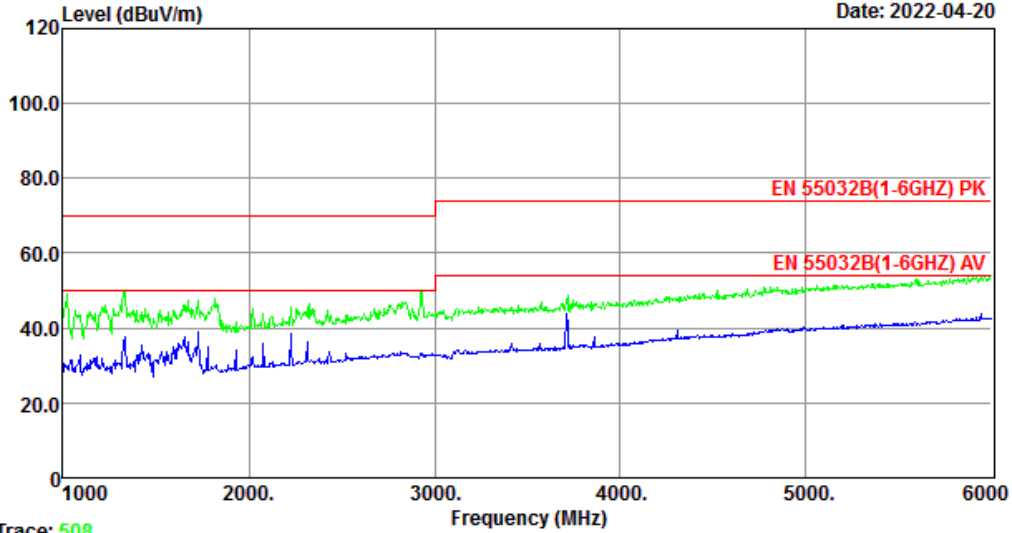
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 509

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 508

Site no. : 1# 966 Chamber Data no. : 509
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : HDMI Mode(1920*1080)

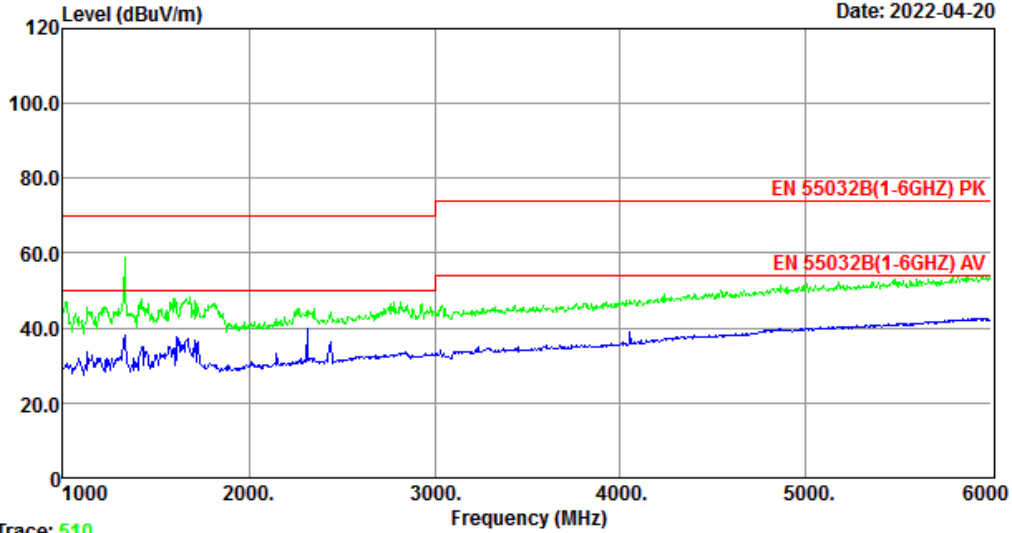
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 511

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 510

Site no. : 1# 966 Chamber Data no. : 511
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : VGA Mode (1920*1080)

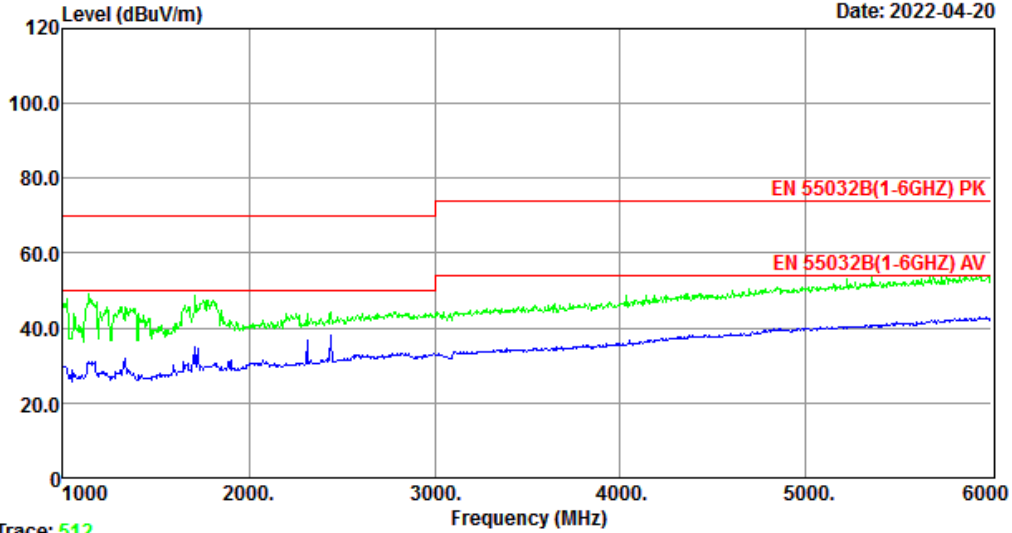
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 513

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 512

Site no. : 1# 966 Chamber Data no. : 513
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : VGA Mode (1920*1080)

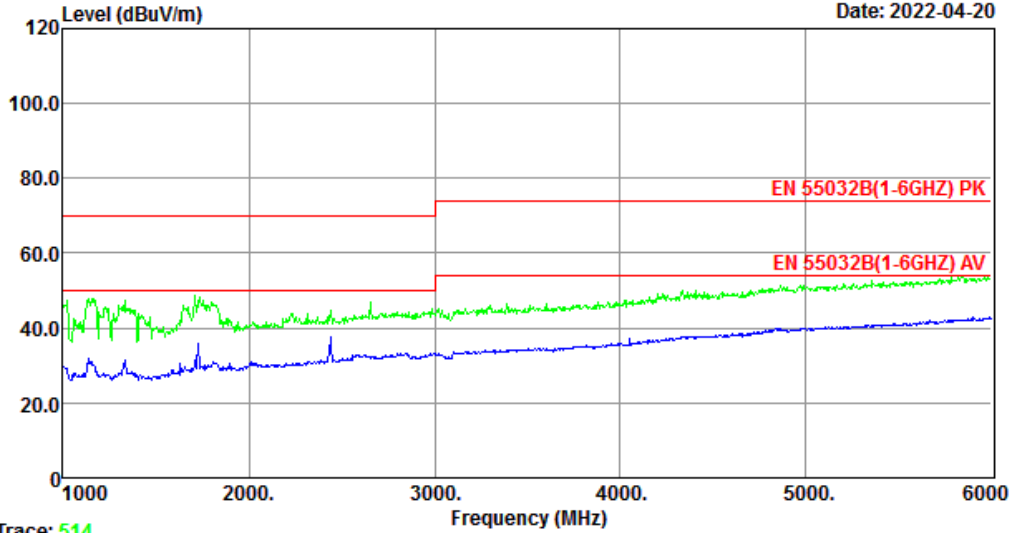
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 515

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 514

Site no. : 1# 966 Chamber Data no. : 515
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : VGA Mode (1920*1080)

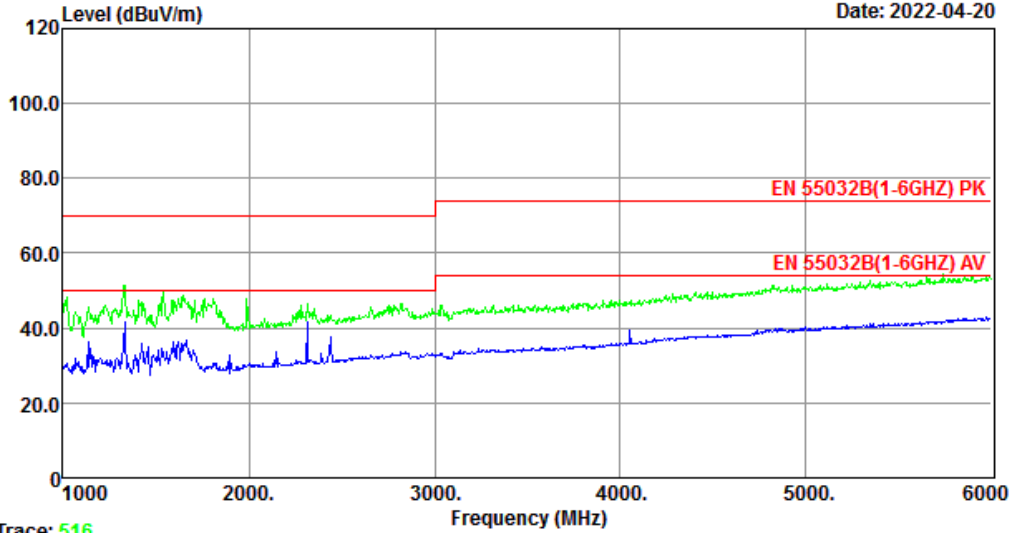
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 517

File: \\EMC-966-1\test data\2022\HJHKC.EM6 (745)

Date: 2022-04-20



Trace: 516

Site no. : 1# 966 Chamber Data no. : 517
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : VGA Mode (1920*1080)

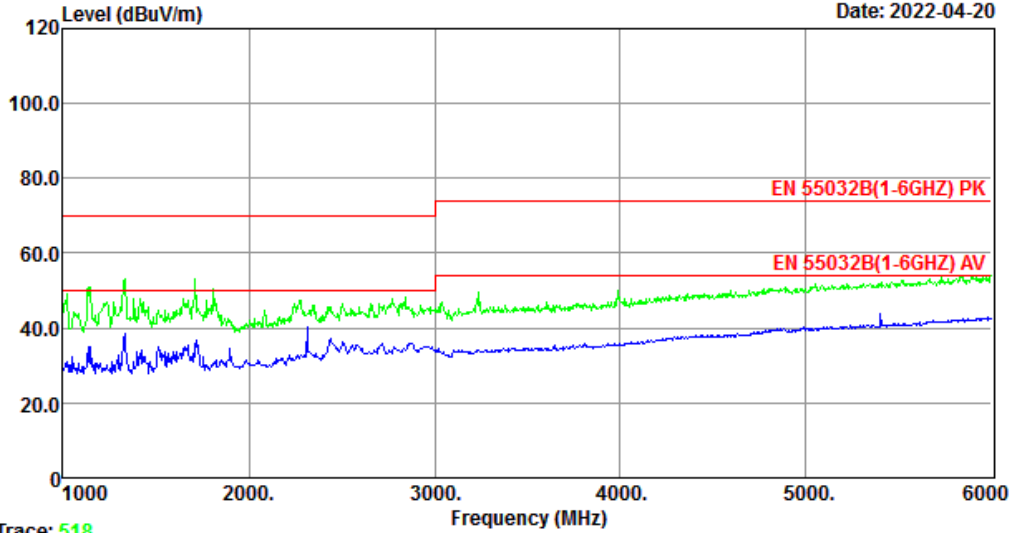
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 519

File: \\EMC-966-1\test data\2022\HJHKC.EM6 (745)

Date: 2022-04-20



Trace: 518

Site no. : 1# 966 Chamber Data no. : 519
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : DP Mode(1920*1080)

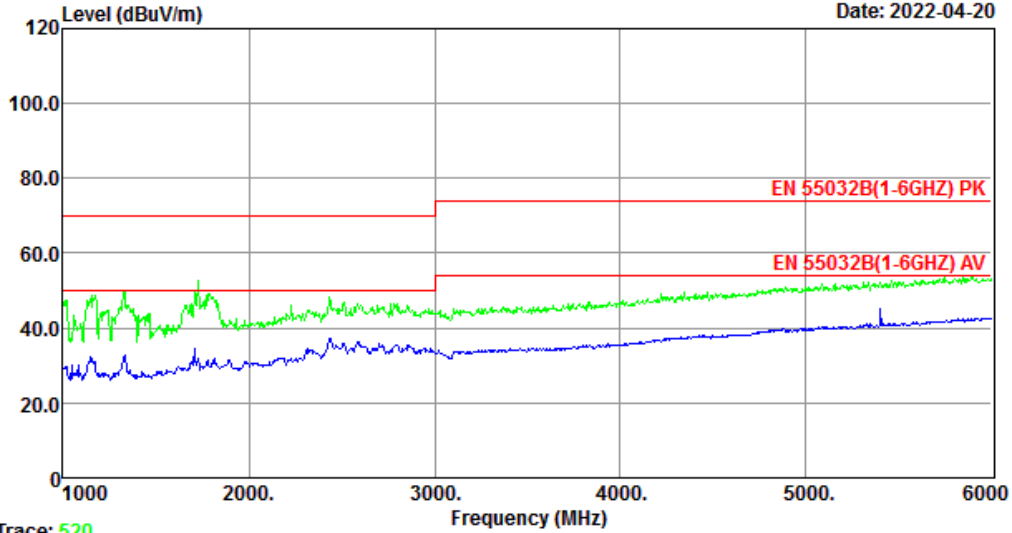
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 521

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 520

Site no. : 1# 966 Chamber Data no. : 521
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : DP Mode(1920*1080)

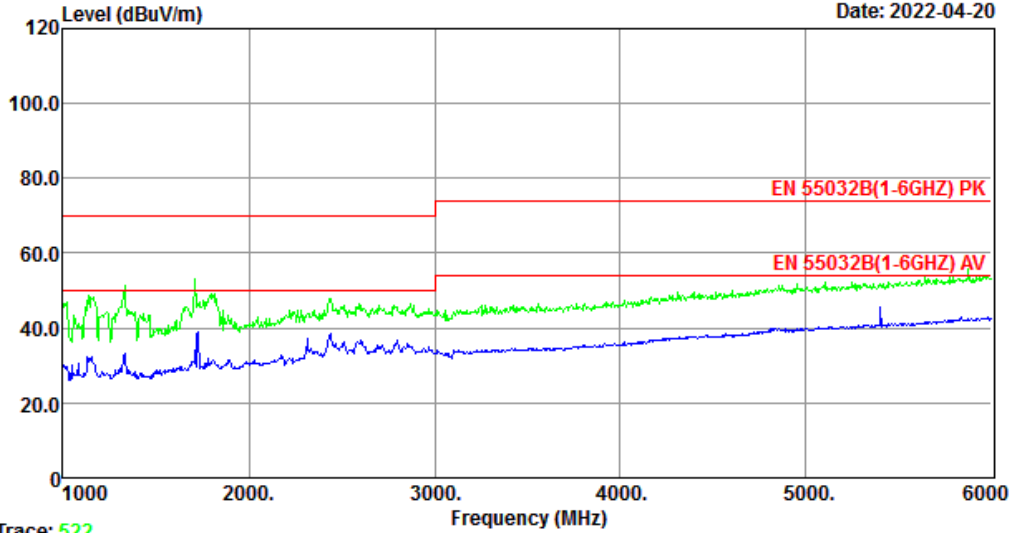
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 523

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 522

Site no. : 1# 966 Chamber Data no. : 523
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : DP Mode (1920*1080)

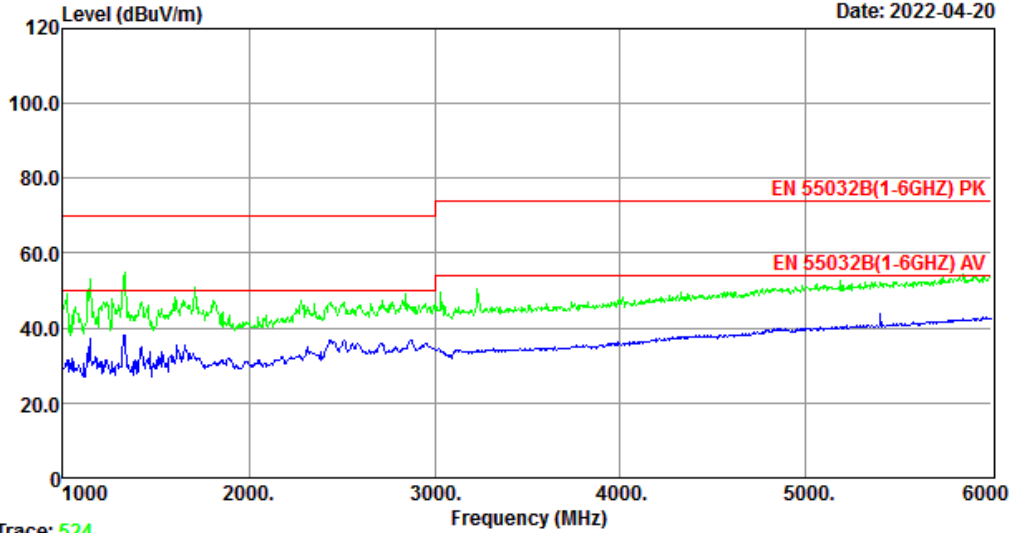
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 525

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 524

Site no. : 1# 966 Chamber Data no. : 525
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : LA-2402
Test Mode : DP Mode (1920*1080)

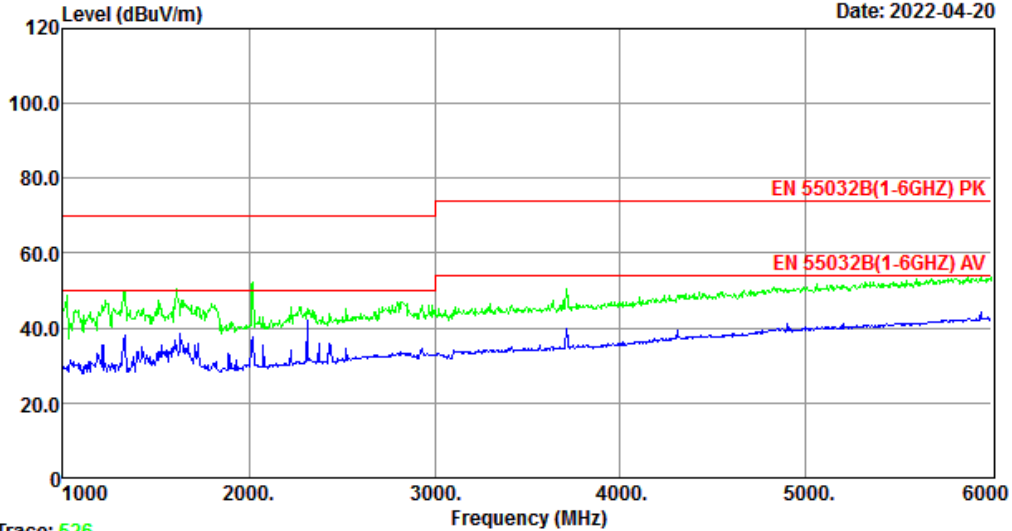
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 527

File: \\EMC-966-1\test data\2022\HJHKC.EM6 (745)

Date: 2022-04-20



Trace: 526

Site no. : 1# 966 Chamber Data no. : 527
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : HDMI Mode(1366*768)

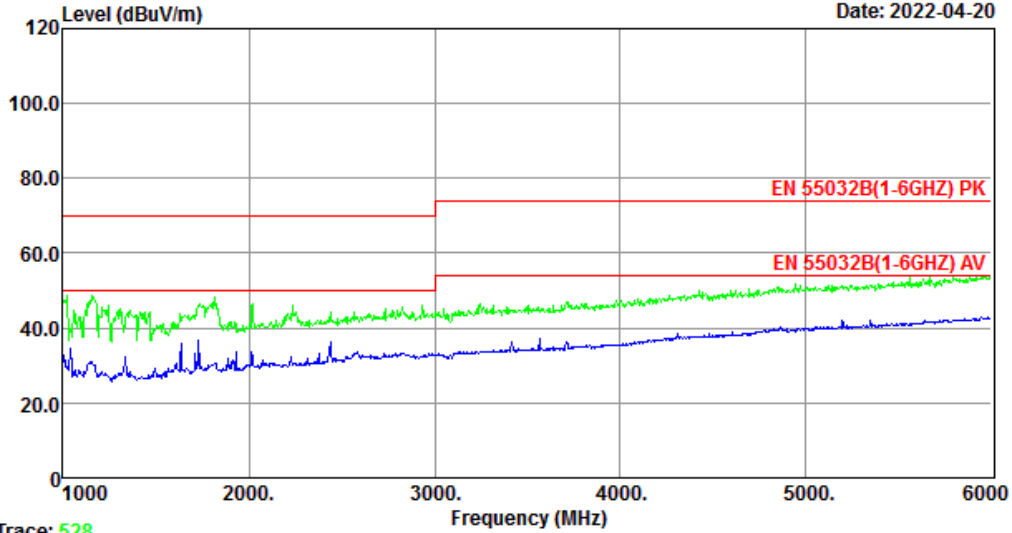
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 529

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 528

Site no. : 1# 966 Chamber Data no. : 529
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : HDMI Mode(1366*768)

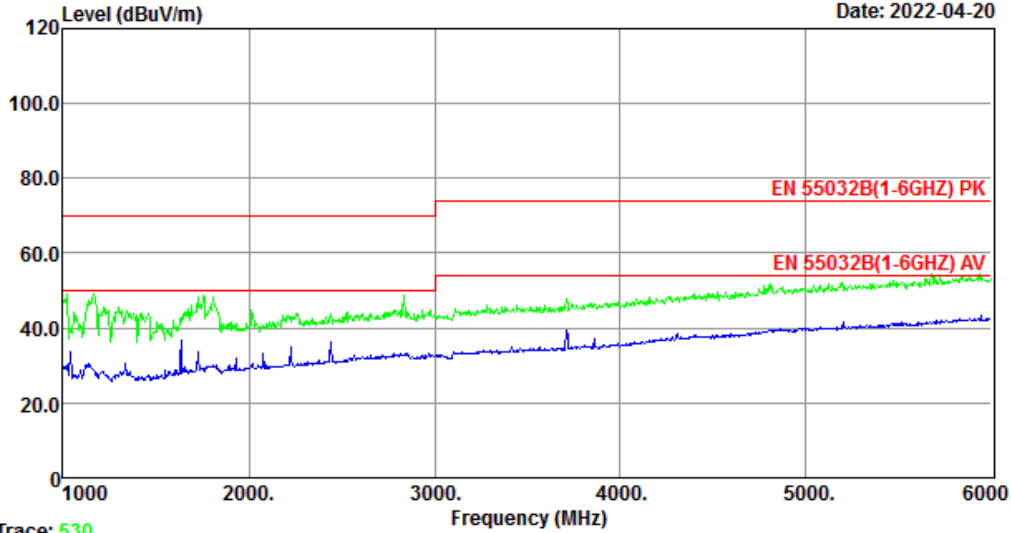
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 531

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 530

Site no. : 1# 966 Chamber Data no. : 531
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : HDMI Mode(800*600)

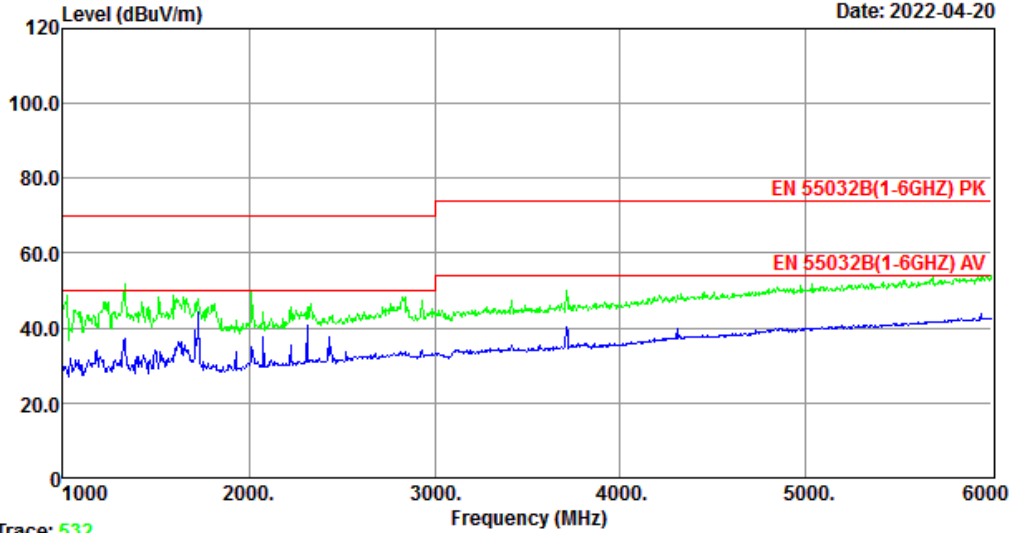
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 533

File: \\EMC-966-1\test data\2022\HHKC.EM6 (745)

Date: 2022-04-20



Trace: 532

Site no. : 1# 966 Chamber Data no. : 533
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.9;Humi:43%;Press:101.82kPa
Engineer : XJF
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : LA-2402
Test Mode : HDMI Mode(800*600)

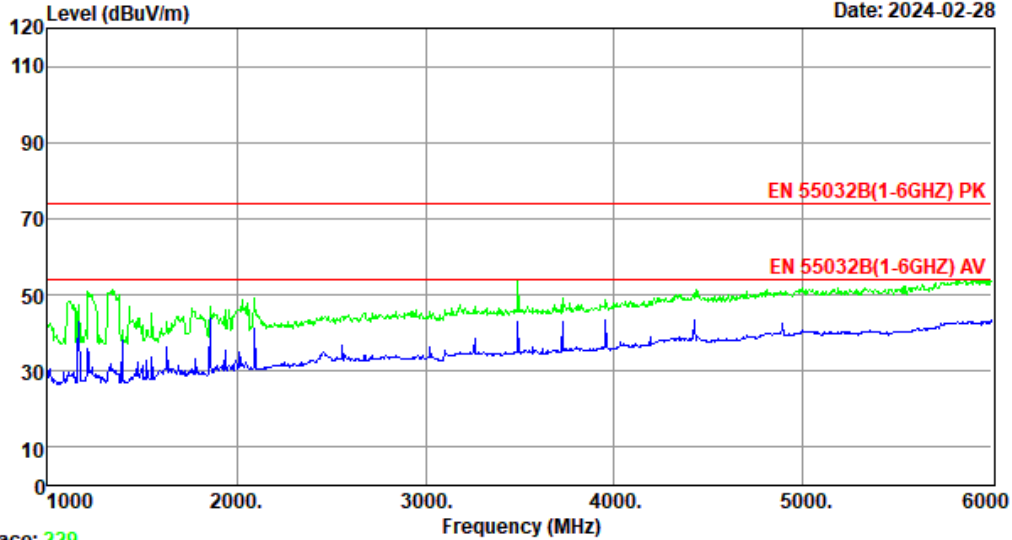
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 230

File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 229

Site no. : 1# 966 Chamber Data no. : 230
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : HDMI Mode (1920*1080)

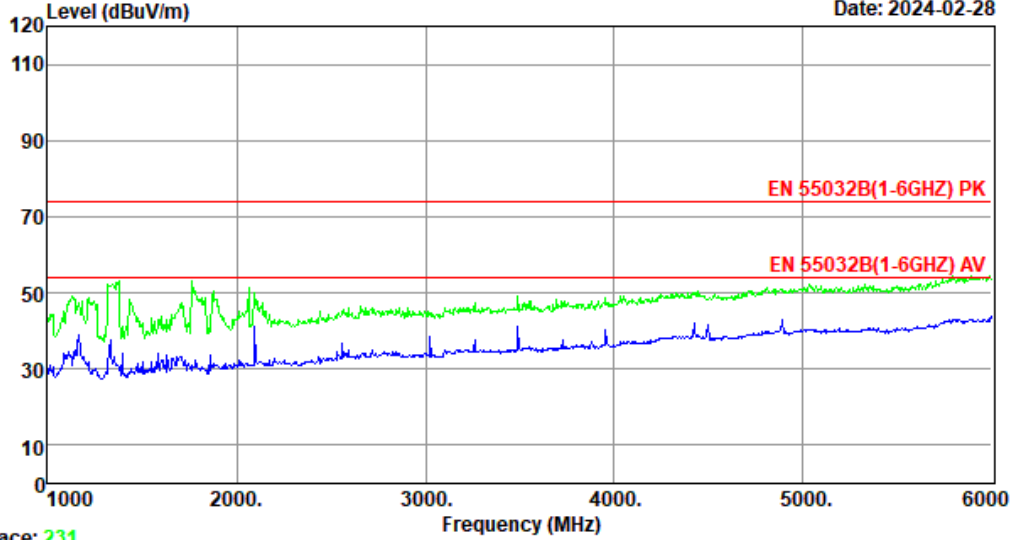
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 232

File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 231

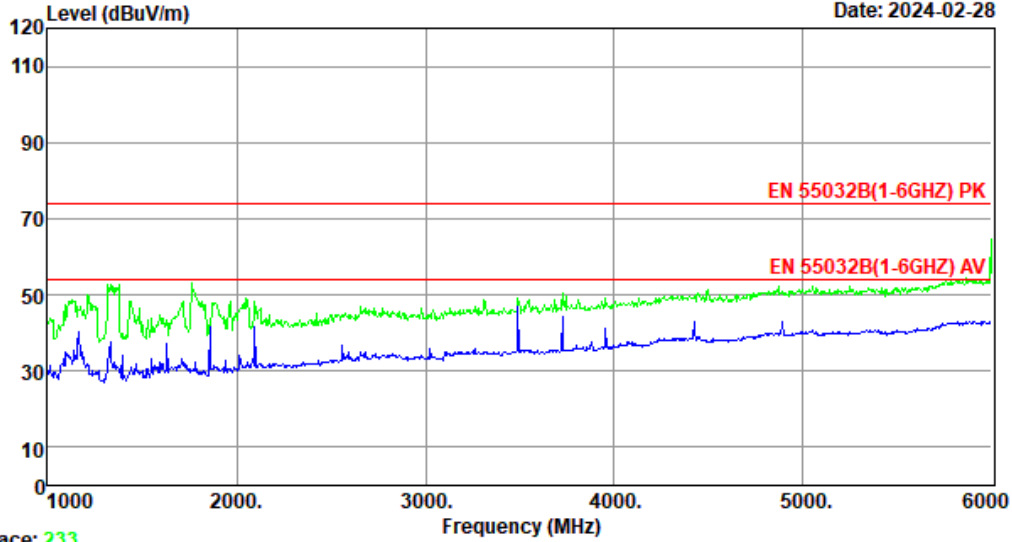
Site no. : 1# 966 Chamber Data no. : 232
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : HDMI Mode (1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 234 File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 233

Site no. : 1# 966 Chamber Data no. : 234
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : HDMI Mode (1920*1080)

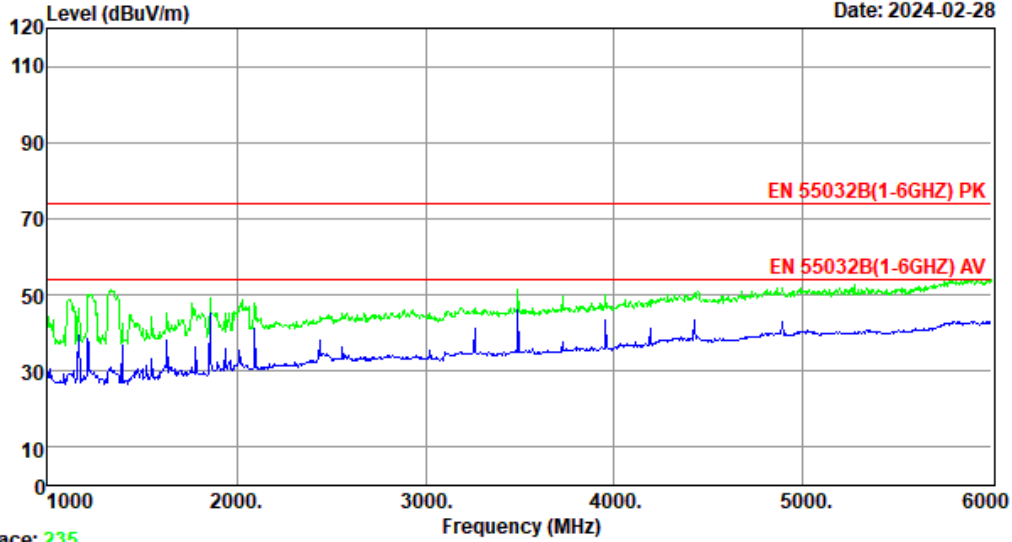
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 236

File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 235

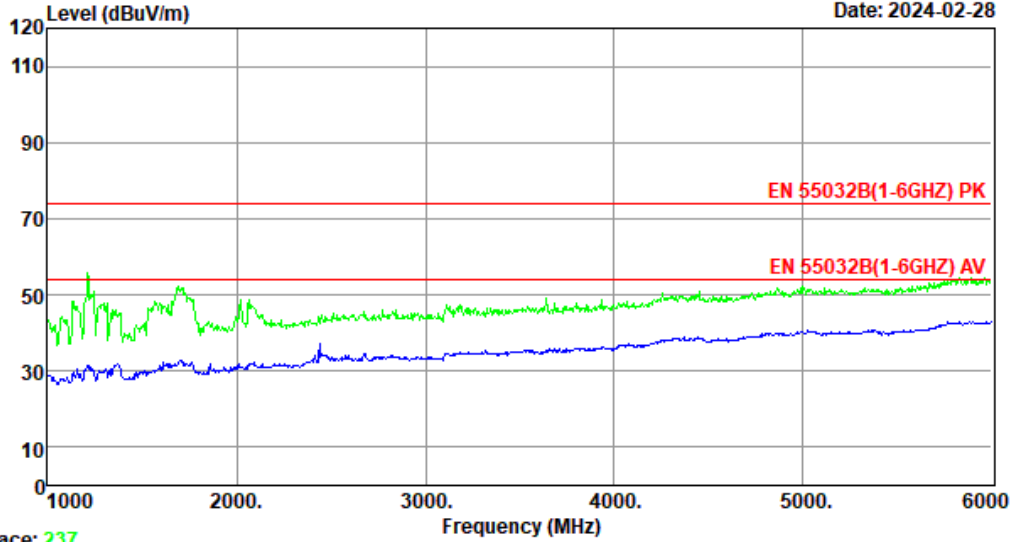
Site no. : 1# 966 Chamber Data no. : 236
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : HDMI Mode (1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 238 File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 237

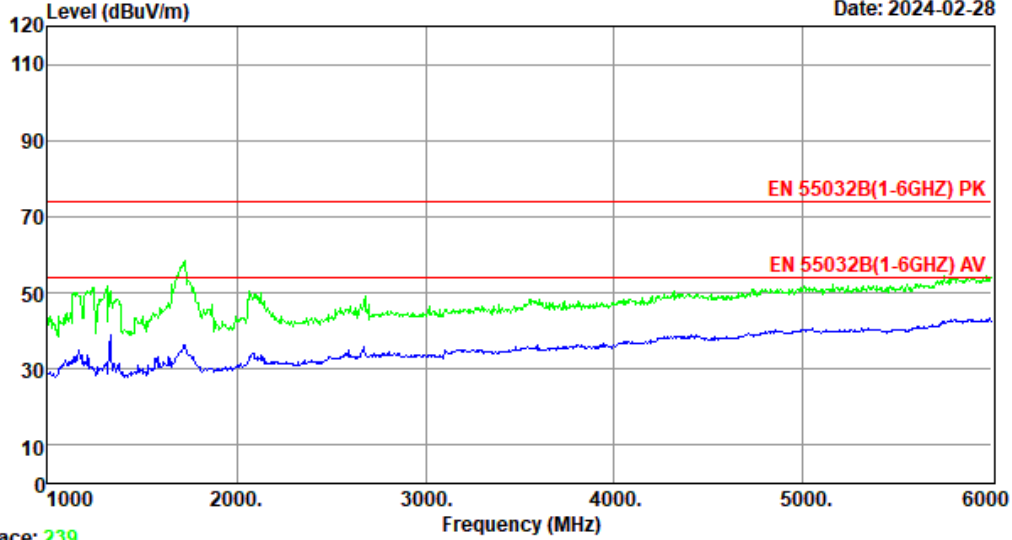
Site no. : 1# 966 Chamber Data no. : 238
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : DP Mode(1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 240 File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 239
Site no. : 1# 966 Chamber Data no. : 240
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : DP Mode(1920*1080)

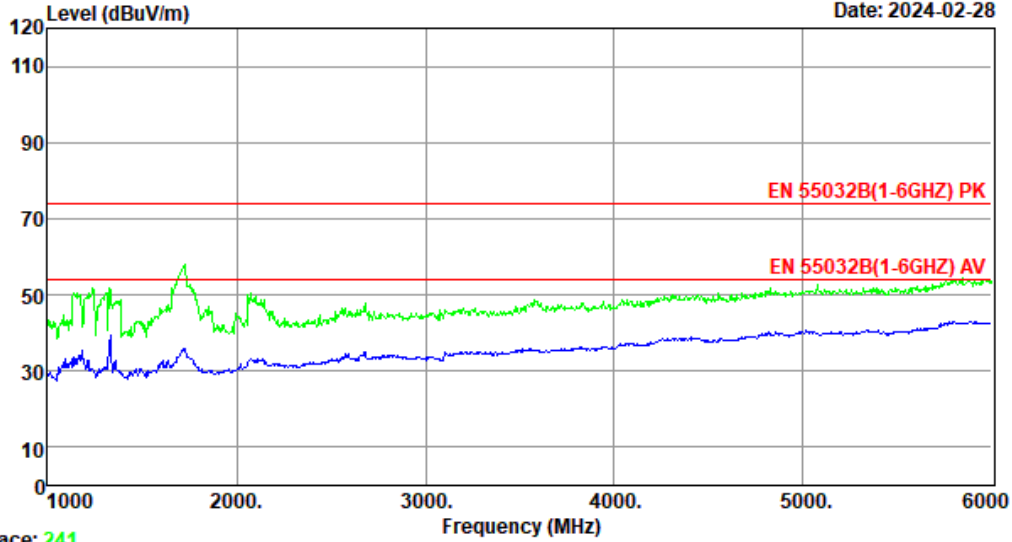
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 242

File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 241

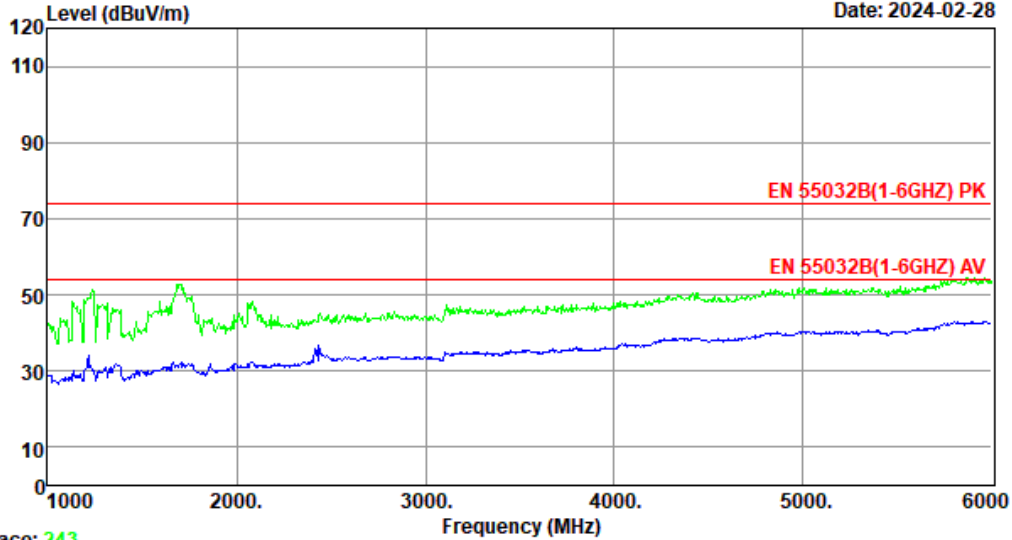
Site no. : 1# 966 Chamber Data no. : 242
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : DP Mode(1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 244 File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 243

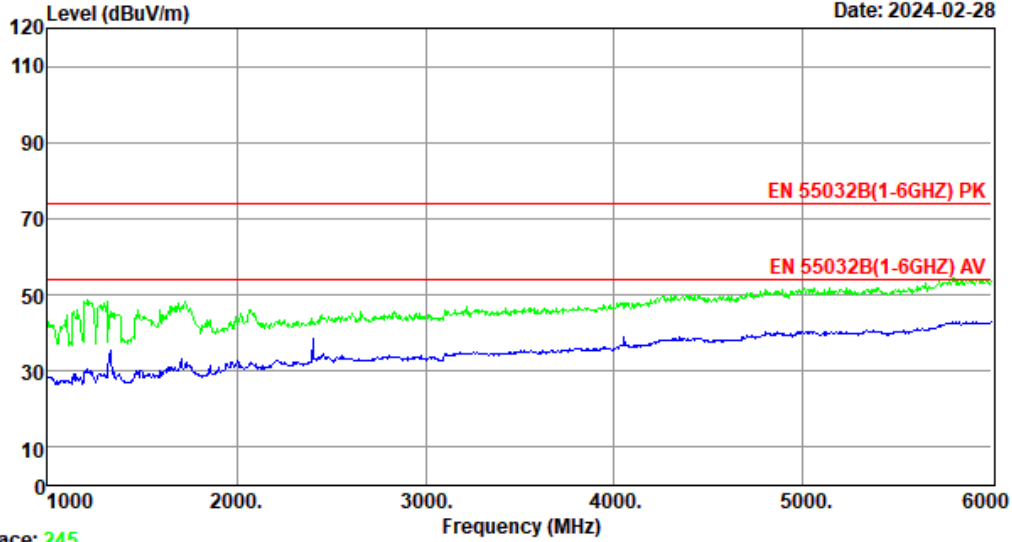
Site no. : 1# 966 Chamber Data no. : 244
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : DP Mode(1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 246 File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 245

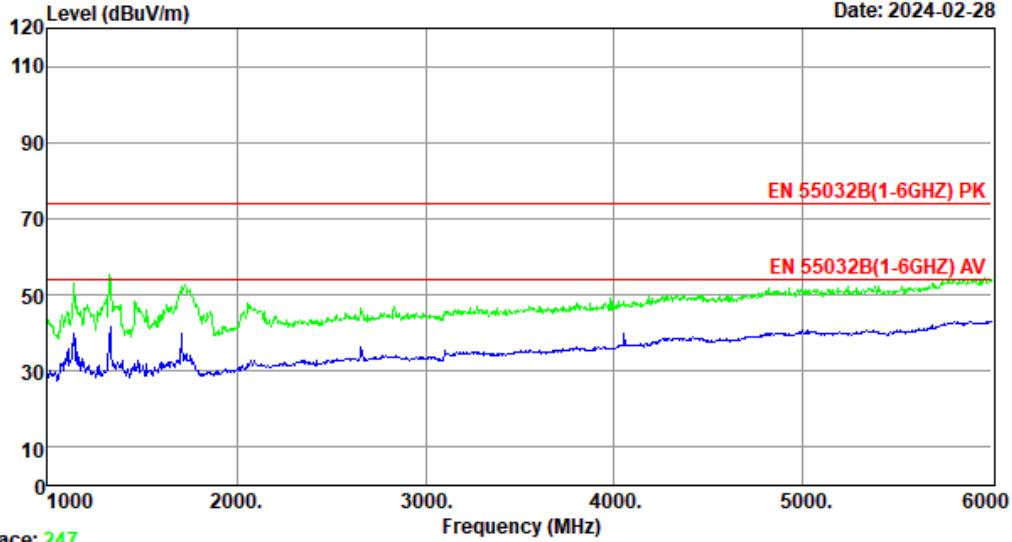
Site no. : 1# 966 Chamber Data no. : 246
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : VGA Mode(1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 248 File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 247

Site no. : 1# 966 Chamber Data no. : 248
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 230V/50Hz
M/N : MH2402
Test Mode : VGA Mode(1920*1080)

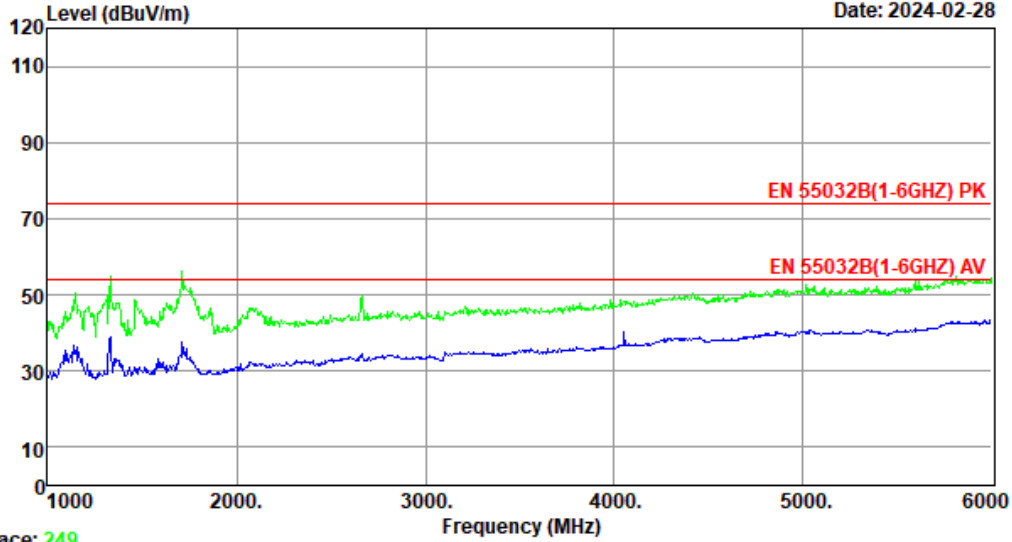
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 250

File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 249

Site no. : 1# 966 Chamber Data no. : 250
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : VGA Mode(1920*1080)

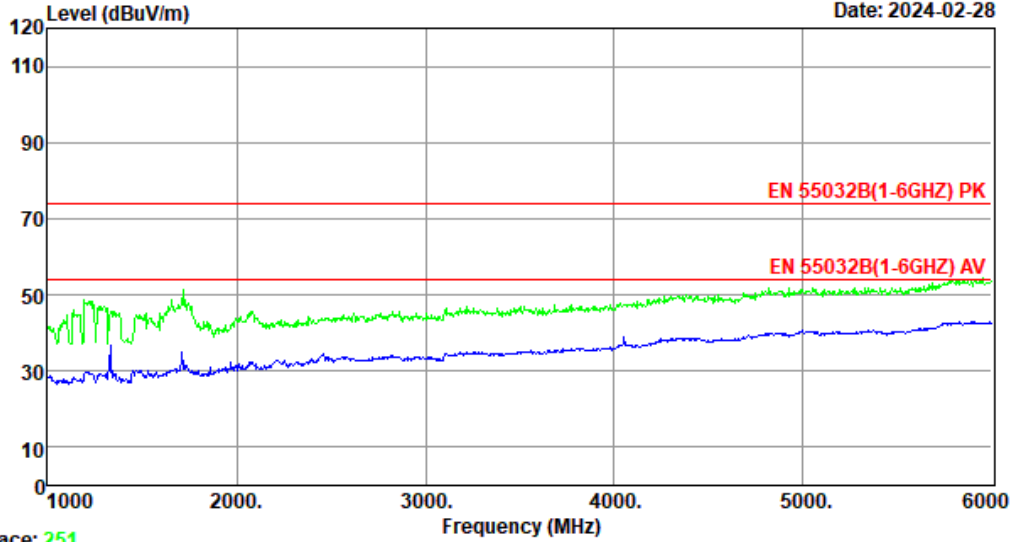
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 252

File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 251

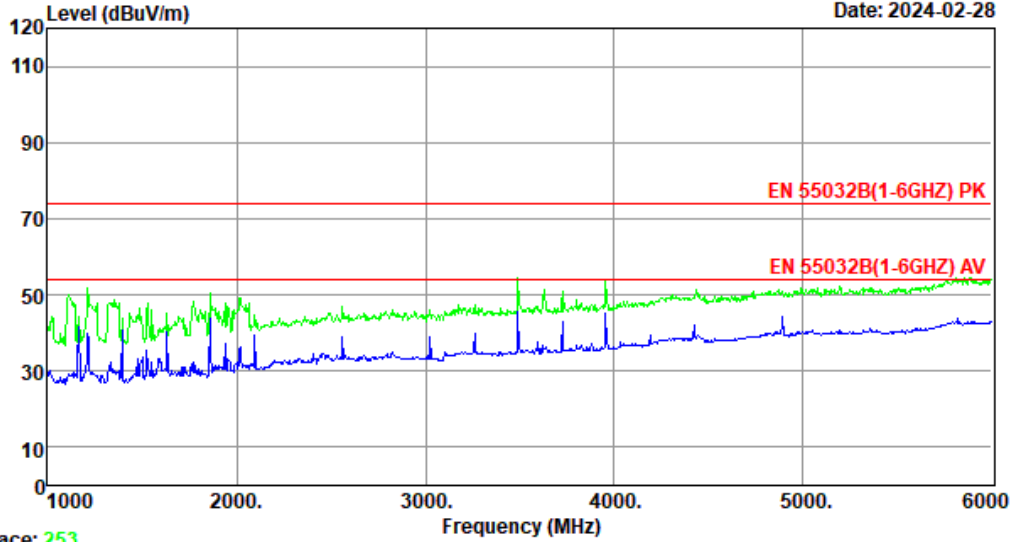
Site no. : 1# 966 Chamber Data no. : 252
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : VGA Mode(1920*1080)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 254 File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 253

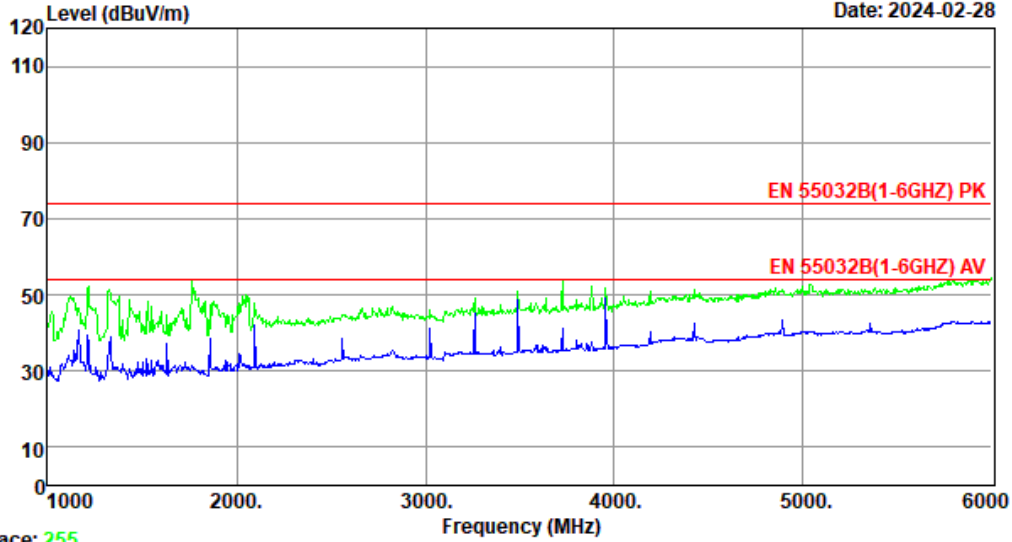
Site no. : 1# 966 Chamber Data no. : 254
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : HDMI Mode (1366*768)

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 256 File: \\EMC-966-1\test data\2024\IHKC.EM6 (358)

Date: 2024-02-28



Trace: 255

Site no. : 1# 966 Chamber Data no. : 256
Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
Limit : EN 55032B(1-6GHZ) PK
Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
Engineer : DCY
EUT : LCD Monitor
Power : AC 110V/60Hz
M/N : MH2402
Test Mode : HDMI Mode (1366*768)

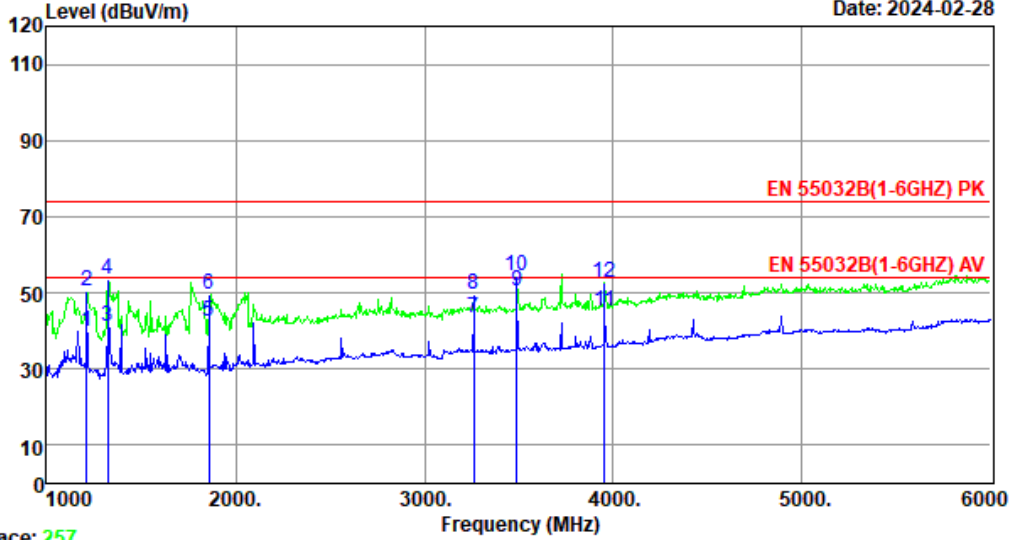
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 258

File: \\EMC-966-1\test data\2024\HHKC.EM6 (358)

Date: 2024-02-28



Trace: 257

Site no. : 1# 966 Chamber Data no. : 258
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : EN 55032B(1-6GHZ) PK
 Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
 Engineer : DCY
 EUT : LCD Monitor
 Power : AC 110V/60Hz
 M/N : MH2402
 Test Mode : HDMI Mode (800*600)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1210.00	24.80	2.42	12.51	39.73	54.00	14.27	Average
2	1210.00	24.80	2.42	23.38	50.60	74.00	23.40	Peak
3	1325.00	24.70	2.55	14.01	41.26	54.00	12.74	Average
4	1325.00	24.70	2.55	26.25	53.50	74.00	20.50	Peak
5	1860.00	25.67	3.12	13.63	42.42	54.00	11.58	Average
6	1860.00	25.67	3.12	20.71	49.50	74.00	24.50	Peak
7	3260.00	29.60	4.08	9.51	43.19	54.00	10.81	Average
8	3260.00	29.60	4.08	15.92	49.60	74.00	24.40	Peak
9	3490.00	29.57	4.15	16.64	50.36	54.00	3.64	Average
10	3490.00	29.57	4.15	20.68	54.40	74.00	19.60	Peak
11	3955.00	30.50	4.28	10.54	45.32	54.00	8.68	Average
12	3955.00	30.50	4.28	18.02	52.80	74.00	21.20	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

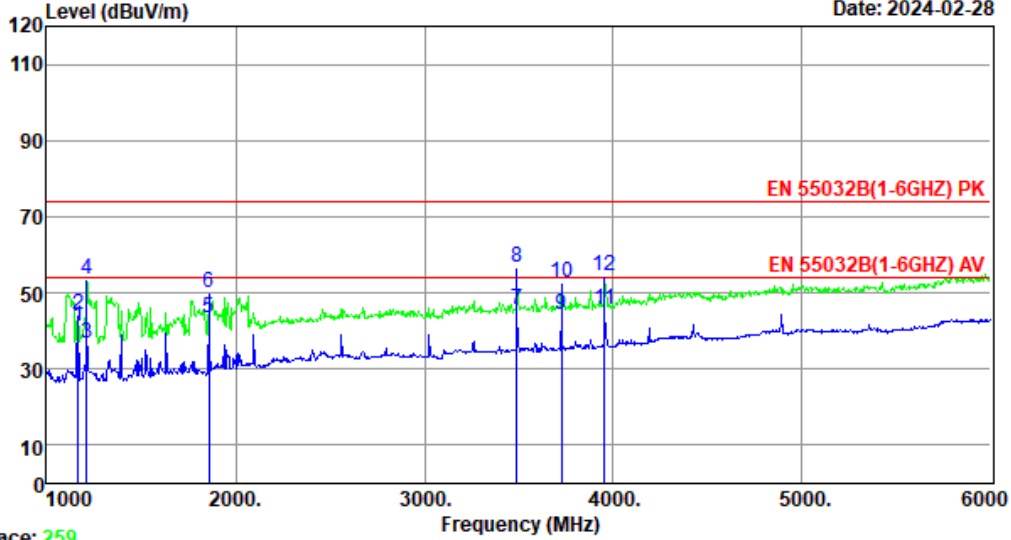
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 260

File: \\EMC-966-1\test data\2024\HHKC.EM6 (358)

Date: 2024-02-28



Trace: 259

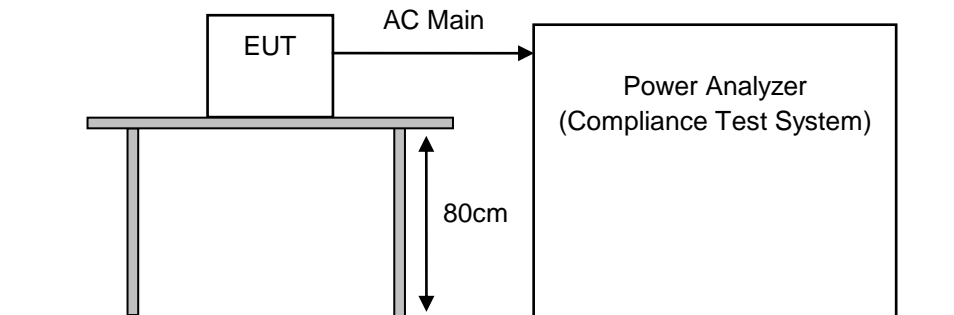
Site no. : 1# 966 Chamber Data no. : 260
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL
 Limit : EN 55032B(1-6GHZ) PK
 Env. / Ins. : Temp:23.5°C;Humi:52.9%;Press:101.51kPa
 Engineer : DCY
 EUT : LCD Monitor
 Power : AC 110V/60Hz
 M/N : MH2402
 Test Mode : HDMI Mode (800*600)

	ANT	Cable	Emission					
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	
1	1165.00	24.67	2.39	13.93	40.99	54.00	13.01	Average
2	1165.00	24.67	2.39	17.44	44.50	74.00	29.50	Peak
3	1210.00	24.80	2.42	9.33	36.55	54.00	17.45	Average
4	1210.00	24.80	2.42	26.38	53.60	74.00	20.40	Peak
5	1860.00	25.67	3.12	14.69	43.48	54.00	10.52	Average
6	1860.00	25.67	3.12	21.21	50.00	74.00	24.00	Peak
7	3490.00	29.57	4.15	11.88	45.60	54.00	8.40	Average
8	3490.00	29.57	4.15	22.88	56.60	74.00	17.40	Peak
9	3725.00	29.97	4.21	10.20	44.38	54.00	9.62	Average
10	3725.00	29.97	4.21	18.62	52.80	74.00	21.20	Peak
11	3955.00	30.50	4.28	10.83	45.61	54.00	8.39	Average
12	3955.00	30.50	4.28	19.72	54.50	74.00	19.50	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

4.4. Harmonic Current Emissions on AC Mains Test

RESULT	:	N/A
Test procedure	:	EN IEC 61000-3-2:2019+A1:2021
Measured harmonics	:	1 ~ 40 th
Limits	:	EN IEC 61000-3-2:2019+A1:2021



There is no need for Harmonics test to be performed on this product (rated power is less than 75W) in accordance with EN IEC 61000-3-2:2019+A1:2021

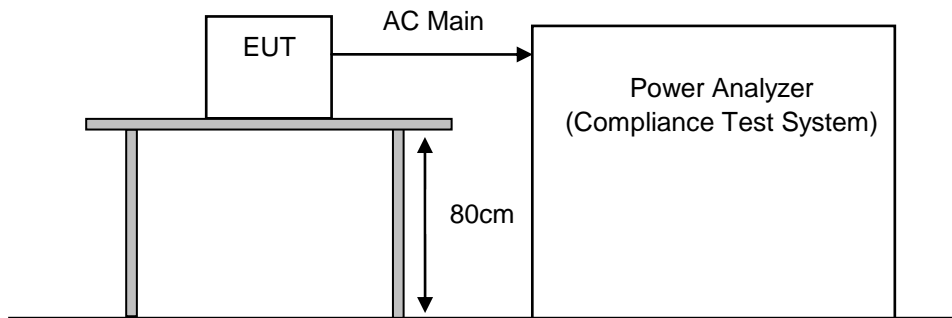
For further details, please refer to Clause 7 of EN IEC 61000-3-2:2019+A1:2021 which states:

“For the following categories of equipment, limits are not specified in this edition of the standard:

- equipment with a rated power of 75W or less, other than lighting equipment.”

4.5. Voltage Fluctuations and Flicker on AC Mains Test

RESULT : **Pass**(Please refer to the following page)
Test procedure : EN 61000-3-3:2013+A1:2019+A2:2021
Limits : EN 61000-3-3:2013+A1:2019+A2:2021



5. IMMUNITY TEST RESULT

5.1. Description of Performance Criteria:

Performance criteria A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

For audio output device: The measured acoustic interference ratio and/or the measured electrical interference during the test shall be -20dB or better (see note1)

Performance criteria B

During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test.

After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance.

If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criteria C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed.

Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

Note: This performance criterion only using for Continuous inducted RF disturbances and Continuous RF electromagnetic field disturbances item.

5.2. Electrostatic Discharge Immunity Test

RESULT : **Pass**

Test procedure : EN 55035:2017+A11:2020

Basic standard : EN 61000-4-2:2009

Test specification : +/-4.0kV(Contact discharge)
+/-8.0kV(Air discharge)

Number of discharges : ≥10(Air discharge for single polarity discharge)
≥10 (Contact discharge for single polarity discharge)

Polarity : Positive/Negative

Performance criterion : B

Test Setup

Date of test : Apr. 28, 2022; Mar. 02, 2024

Model No. : LA-2402; MH2402

Input Voltage : AC 110V/60Hz, AC 230V/50Hz

Operation Mode : HDMI, VGA, DP

Temperature : 22.5°C

Humidity : 46%

Pressure : 101.10kPa

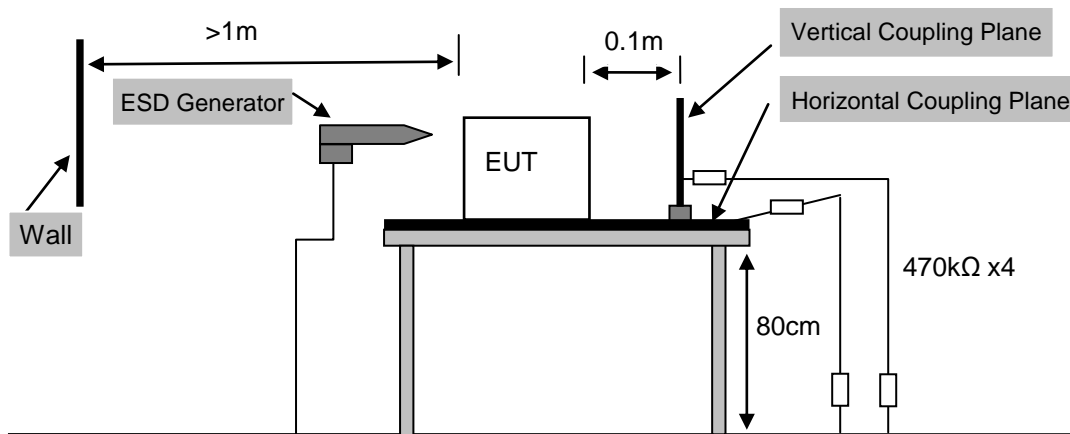


Table 1: Electrostatic Discharge Immunity Test Result

Discharge Location		Type of discharge	Result
HCP	4 points	Contact	Pass
VCP	4 points	Contact	Pass
Screw	6 points	Contact	Pass
Metal	1 point	Contact	Pass
DP	1 point	Contact	Pass
HDMI	1 point	Contact	Pass
VGA	1 point	Contact	Pass
AUDIO	1 point	Contact	Pass
Slot	4 points	Air	Pass
Screen	4 points	Air	Pass

- Remark: 1. The screen was flashing during the test, but self-recoverable after the test.
2. Discharge should be considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP).

5.3. Radio Frequency Electromagnetic Field Immunity(R/S) Test

RESULT	: Pass
Test procedure	: EN 55035:2017+A11:2020
Basic standard	: EN 61000-4-3:2006+A1:2008+A2:2010
Frequency Range	: 80-1000MHz,1800MHz, 2600MHz, 3500MHz, 5000MHz
Performance criterion	: A
Test site	: 866 Chamber

Test Setup

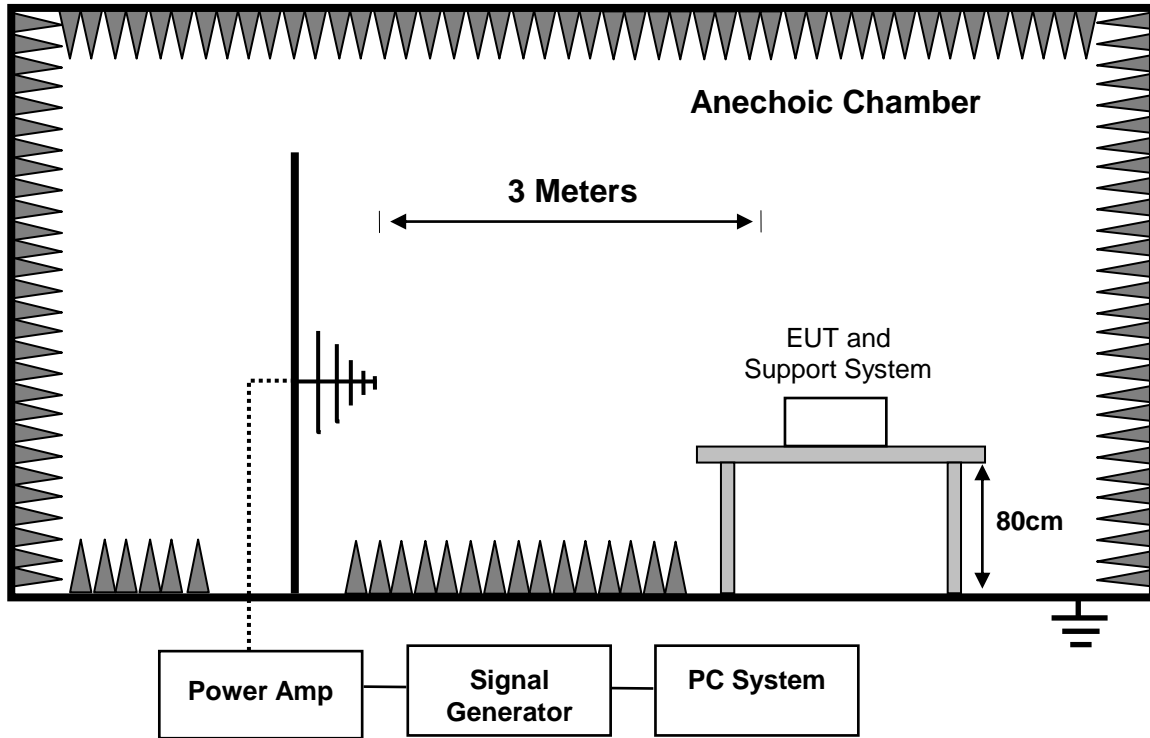
Date of test	: Apr. 28, 2022; Mar. 02, 2024
Model No.	: LA-2402; MH2402
Input Voltage	: AC 110V/60Hz, AC 230V/50Hz
Operation Mode	: HDMI, VGA, DP
Temperature	: 23.2°C
Humidity	: 54%
Pressure	: 101.10kPa

The EUT and its simulators were placed on a turn table which was 0.8 meter above the ground. The EUT was set 3 m away from the transmitting antenna which was mounted on an antenna tower. Both horizontal and vertical polarization of the antenna were set on test. Each of the four sides of EUT must be faced this transmitting antenna and measured individually.

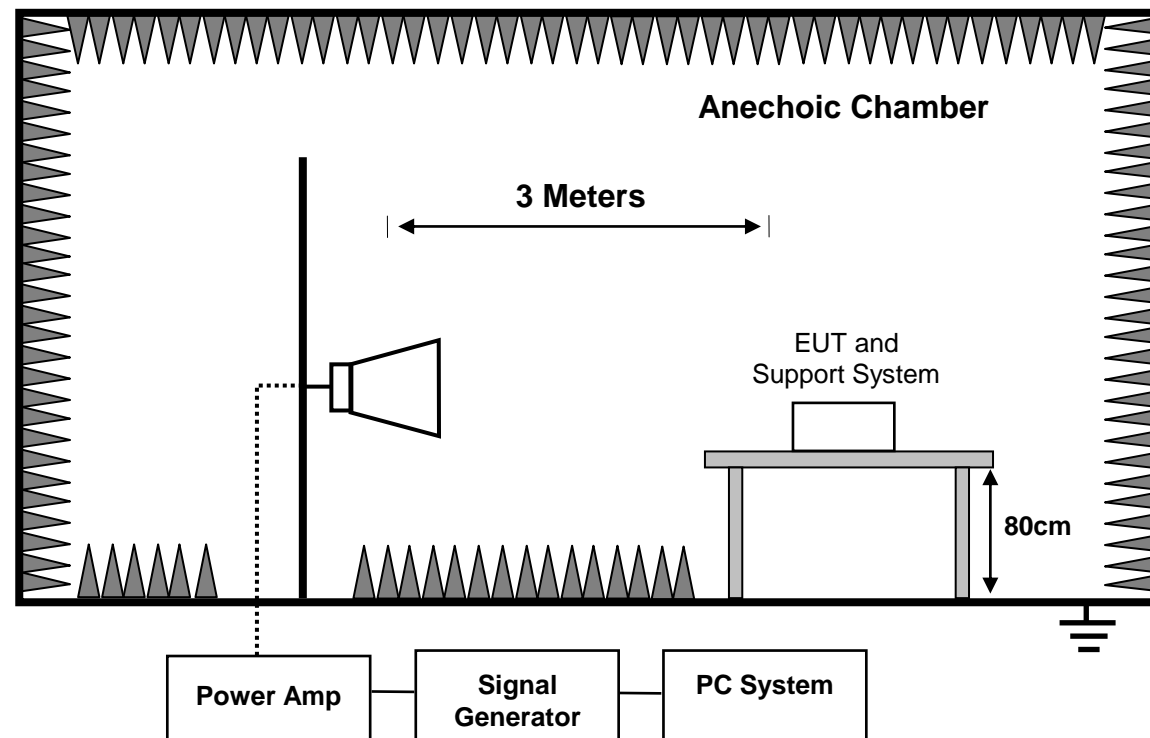
In order to judge the EUT performance, a CCD camera was used to monitor EUT screen.

All the scanning conditions were as follows:

Condition of Test	Remarks
1. Field Strength	3 V/m (Severity Level 2)
2. Radiated Signal	Modulated
3. Scanning Frequency	80 - 1000 MHz
4. Sweeping time of radiated	0.0015 decade/s
5. Dwell Time	at least 3 seconds



Condition of Test	Remarks
6. Field Strength	3 V/m (Severity Level 2)
7. Radiated Signal	Modulated
8. Scanning Frequency	1800MHz,2600MHz,3500MHz, 5000MHz
9. Sweeping time of radiated	0.0015 decade/s
10. Dwell Time	at least 3 seconds



5.4. Electrical Fast Transient/Burst Immunity Test

RESULT : **Pass**
 Test procedure : EN 55035:2017+A11:2020
 Basic standard : EN 61000-4-4:2012
 Pulseform : Tr/Th = 5/50ns
 Repetition : 5 kHz ; (100 kHz : only for single lines of xDSL equipment)
 Test Duration : 120s
 Performance : B

Test Setup

Date of test : Apr. 28, 2022; Mar. 02, 2024
 Model No. : LA-2402; MH2402
 Input Voltage : AC 110V/60Hz, AC 230V/50Hz
 Operation Mode : HDMI, VGA, DP
 Temperature : 21.7°C
 Humidity : 52%
 Pressure : 101.10kPa

The EUT and its simulators were placed 0.1 m high above the ground reference plane which was a min. 2m*2m metallic sheet with 0.65mm minimum thickness. This reference ground plane shall project beyond the EUT by at least 0.1 m on all sides and the minimum distance between EUT and all other conductive structure, except the ground plane beneath the EUT, shall be more than 0.5m.

1. For power input port:

The EUT was connected to the power mains by using a coupling device which coupled the EFT interference signal to AC power lines. Both polarities of the test voltage were applied during compliance test and the duration of the test were 2mins.

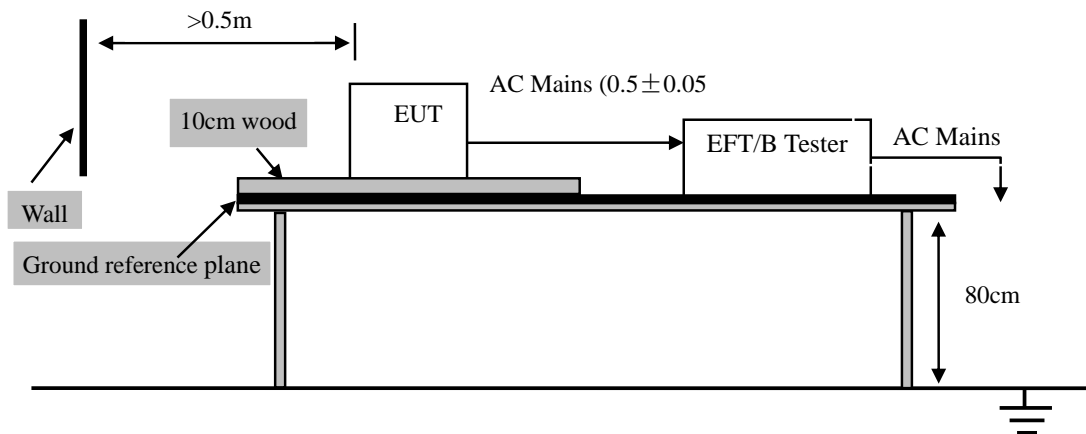


Table 5: Electrical Fast Transient/Burst Immunity Test Result

Coupling Ports		Coupling Voltage	Inject Method	Result
AC Power Ports	L	± 1 kV	Direct	Pass
	N	± 1 kV		Pass
	PE	± 1 kV		Pass
	L-N	± 1 kV		Pass
	L-PE	± 1 kV		Pass
	N-PE	± 1 kV		Pass
	L-N-PE	± 1 kV		Pass

Remark: The screen was flashing during the test, but self-recoverable after the test.

5.5. Surge Immunity Test

RESULT : **Pass**
 Test procedure : EN 55035:2017+A11:2020
 Basic standard : EN 61000-4-5:2014
 Pulse form : Tr/Td = 1.2/50us
 Test Duration : 60s
 Performance : B

Test Setup

Date of test :
 Model No. : LA-2402
 Input Voltage : AC 110V/60Hz, AC 230V/50Hz
 Operation Mode : HDMI, VGA, DP
 Temperature : 22.5°C
 Humidity : 51%
 Pressure : 101.10kPa

2Ω effective output impedance of the generator was used for L-N test. 12Ω effective output impedance of the generator was used for L-PE,N-PE test.

5 positive and 5 negative (polarity) tests were applied successively synchronized to the voltage phase 90°, 270° to L-N respectively. The repetition rate was 1 per minute during test.

1. For input and AC power ports:

The EUT was connected to the power mains by using a coupling device which coupled the surge interference signal to AC power lines. Both polarities of the test voltage should be applied during compliance test and the duration was 1 minute.

2. For signal lines and control lines ports:

None.

3. For DC input and DC output power ports:

None.

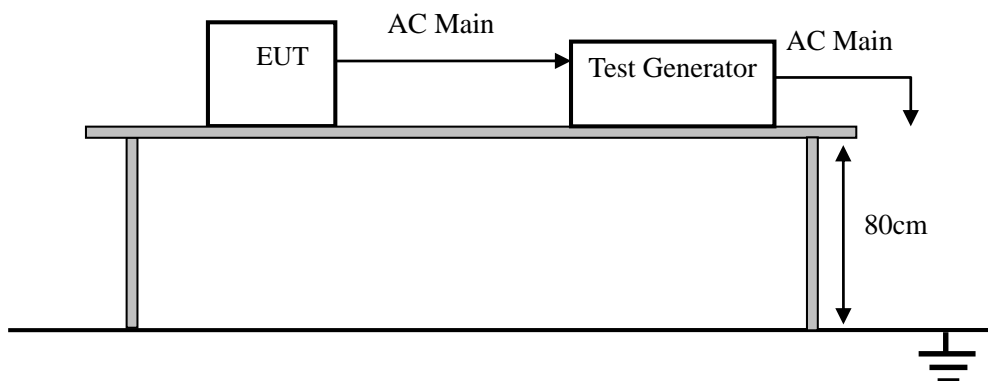


Table 4: Surge Immunity Test Result

Coupling Ports		Coupling Voltage	Coupling Phase / Result			
			0°	90°	180°	270°
AC power ports	L-N	+/-1kV Direct	/	Pass	/	Pass
	L-PE	+/-2kV Direct	/	Pass	/	Pass
	N-PE	+/-2kV Direct	/	Pass	/	Pass

Remark: The screen was flashing during the test, but self-recoverable after the test.

5.6. Injected Currents Susceptibility Test

RESULT : **Pass**
 Test procedure : EN 55035:2017+A11:2020
 Basic standard : EN 61000-4-6:2014
 Test specification : 3 Vr.m.s, 3 Vr.m.s - 1Vr.m.s, 1Vr.m.s,
 AM 80%, 0.15 MHz - 10 MHz, 10 MHz – 30 MHz,
 30 MHz – 80MHz
 Performance : A

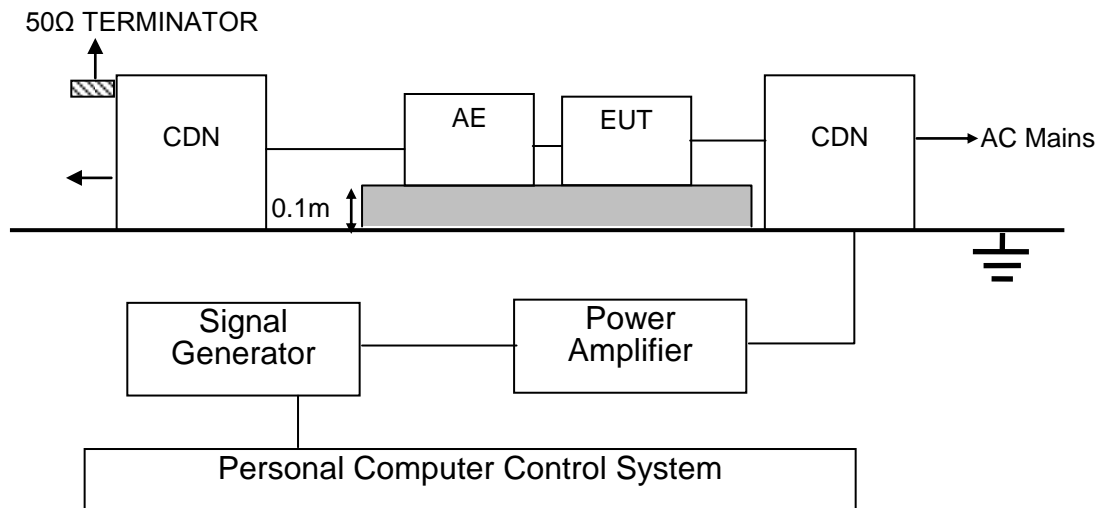
Test Setup

Date of test : Apr. 28, 2022
 Model No. : LA-2402
 Input Voltage : AC 110V/60Hz, AC 230V/50Hz
 Operation Mode : HDMI, VGA, DP
 Temperature : 22.5°C
 Humidity : 51%
 Pressure : 101.10kPa

The EUT were placed on an insulating support 0.1m high above a ground reference plane. CDN (coupling and decoupling device) was placed on the ground plane about 0.3m from EUT. Cables between CDN and EUT were as short as possible, and their height above the ground reference plane were between 30 and 50 mm (where possible).

The frequency range was swept from 0.15 MHz - 10 MHz, 10 MHz – 30 MHz and 30 MHz – 80MHz using 3V, 3 V - 1V, 1V signal level, and with the disturbance signal 80% amplitude modulated with a 1KHz sine wave.

The rate of sweep shall not exceed $1.5 \cdot 10^{-3}$ decades/s. Where the frequency was swept incrementally, the step size shall not exceed 1% of the start and thereafter 1% of the preceding frequency value.



5.7. Power Frequency Magnetic Field Immunity Test

RESULT : **Pass**
 Test procedure : EN 55035:2017+A11:2020
 Basic standard : EN 61000-4-8:2010
 Test specification : 1 A/m
 Performance criterion : A

Test Setup

Date of test : Apr. 28, 2022
 Model No. : LA-2402
 Input Voltage : AC 110V/60Hz, AC 230V/50Hz
 Operation Mode : HDMI, VGA, DP
 Temperature : 22.5°C
 Humidity : 53%
 Pressure : 101.10kPa

The EUT was subjected to the test magnetic field by using the induction coil of standard dimensions (1m*1m). The induction coil then was rotated by 90° in order to expose the EUT to the test field with different orientations.

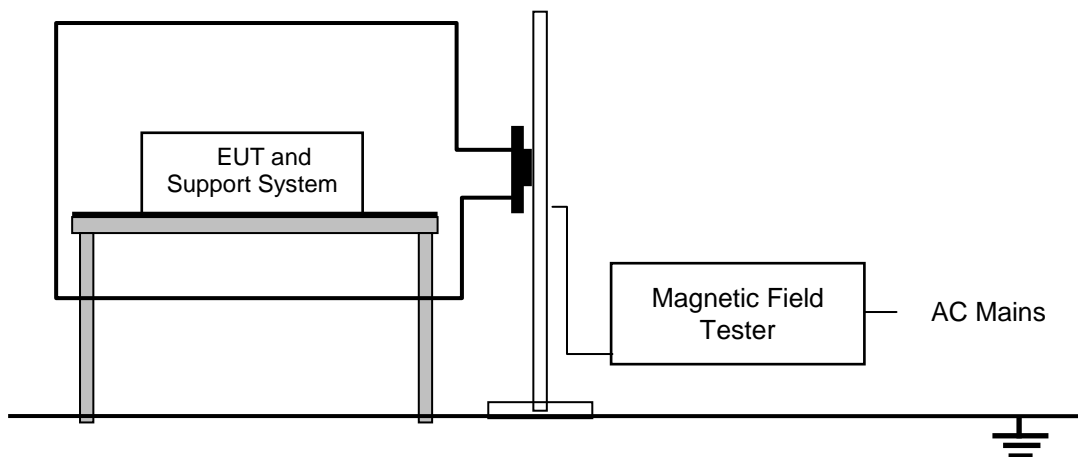


Table 6: Power Frequency Magnetic Field Immunity Test Result

Test Level	Testing Duration	Coil Orientation	Criterion	Result
1A/m	5 mins	X	A	Pass
1A/m	5 mins	Y	A	Pass
1A/m	5 mins	Z	A	Pass

Remark: There was no change compared with initial operation during the test.

5.8. Voltage Dips and Short Interruptions Immunity Test

RESULT : **Pass**
Test procedure : EN 55035:2017+A11:2020
Basic standard : EN 61000-4-11:2004
Test specification : 0%UT ; 0.5P, Criterion: B
70%UT; 25P/30P, Criterion: C
0%UT; 250P/300P, Criterion: C

Test Setup

Date of test : Apr. 28, 2022
Model No. : LA-2402
Input Voltage : AC 110V/60Hz, AC 230V/50Hz
Operation Mode : HDMI, VGA, DP
Temperature : 22.5°C
Humidity : 51%
Pressure : 101.10kPa

The interruptions was introduced at selected phase angles with specified duration.

Recorded any degradation of performance.

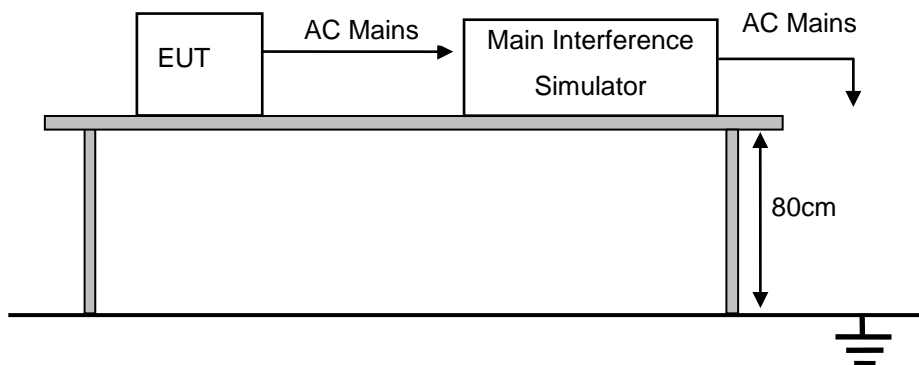


Table 7: Voltage Dips and Short Interruptions Immunity Test Result AC 230V/50Hz

Test Level % UT	Voltage Dips & Short Interruptions % UT	Duration (in period)	Criterion	Result
0	100	0.5P	B	PASS
70	30	25P	C	PASS
0	100	250P	C	PASS

Remark: The screen was flashing during the test, but self-recoverable after the test.

Table 8: Voltage Dips and Short Interruptions Immunity Test Result AC 110V/60Hz

Test Level % UT	Voltage Dips & Short Interruptions % UT	Duration (in period)	Criterion	Result
0	100	0.5P	B	PASS
70	30	30P	C	PASS
0	100	300P	C	PASS

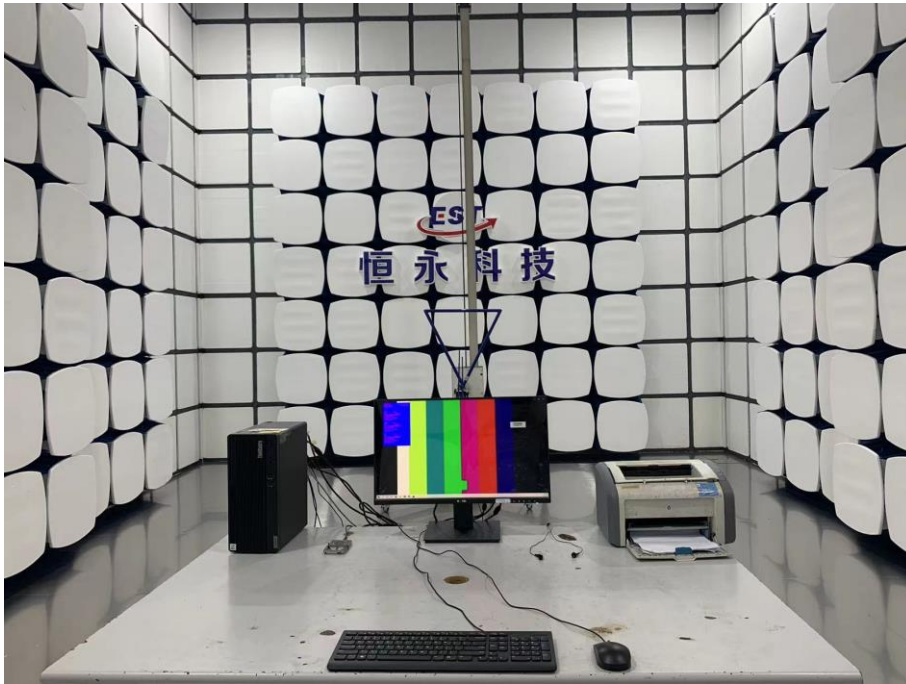
Remark: The screen was flashing during the test, but self-recoverable after the test.

6. PHOTOGRAPHS OF TEST SET-UP

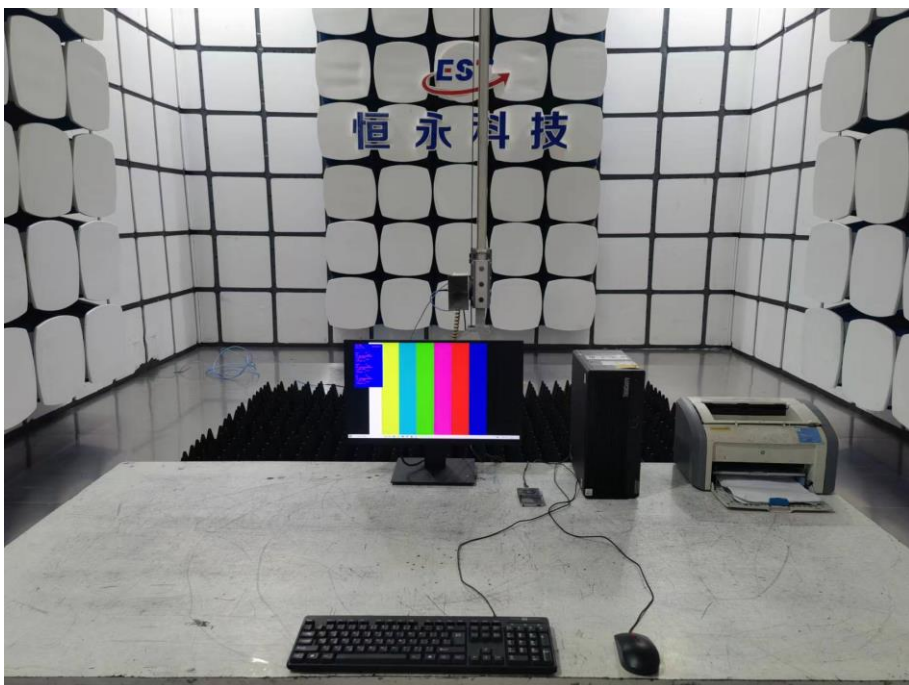
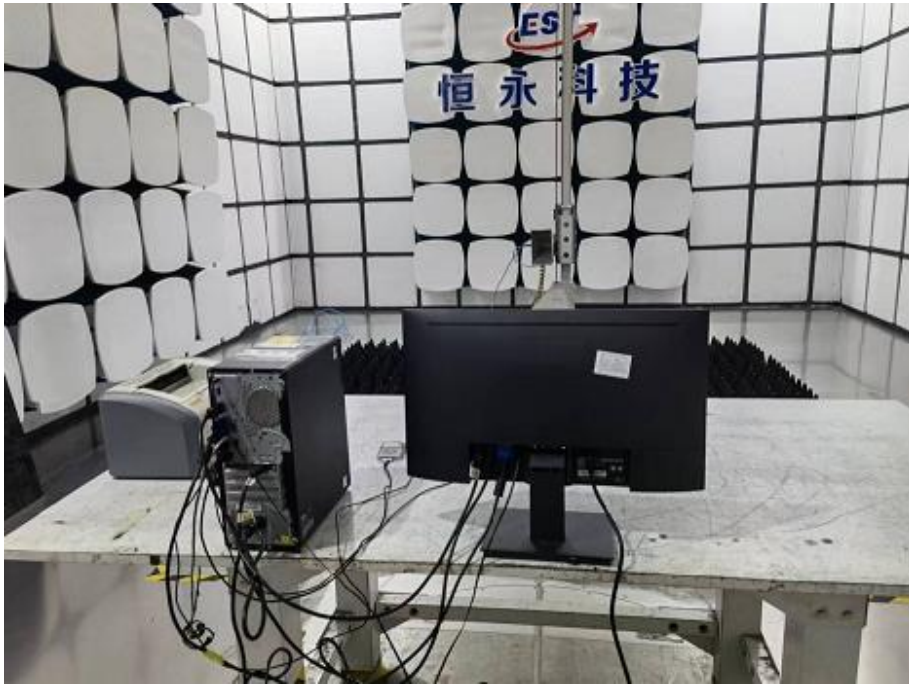
6.1. Set-up for Conducted Emission at the Mains Terminals Test



6.2.Set-up for Radiated Emission Test



6.3.Set-up for Radiated Emission Test(above 1GHz)



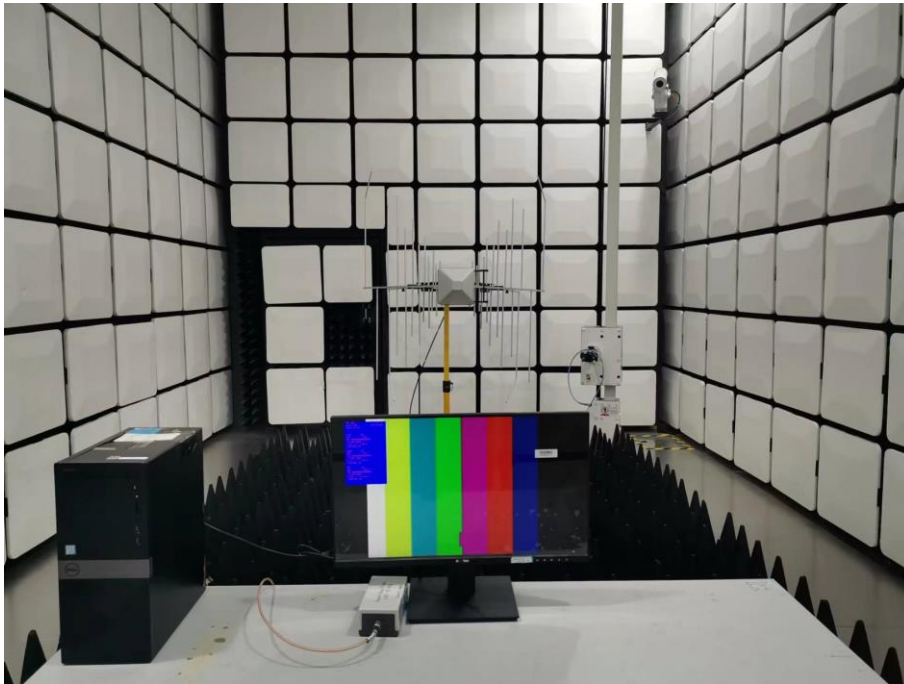
6.4. Set-up for Harmonic Current Emissions and Flicker on AC Mains Test



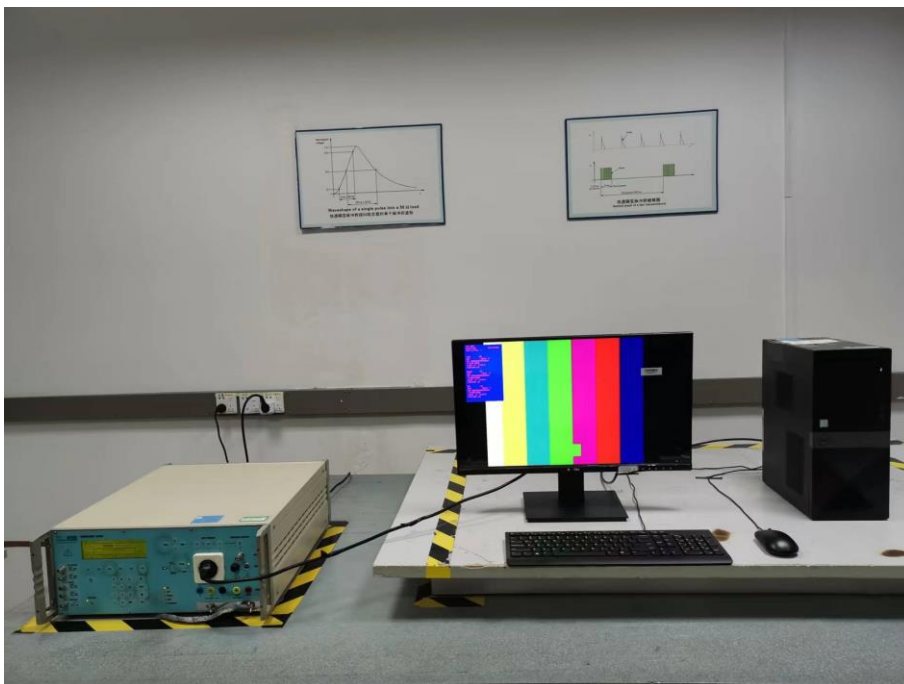
6.5. Set-up for Electrostatic Discharge Immunity Test



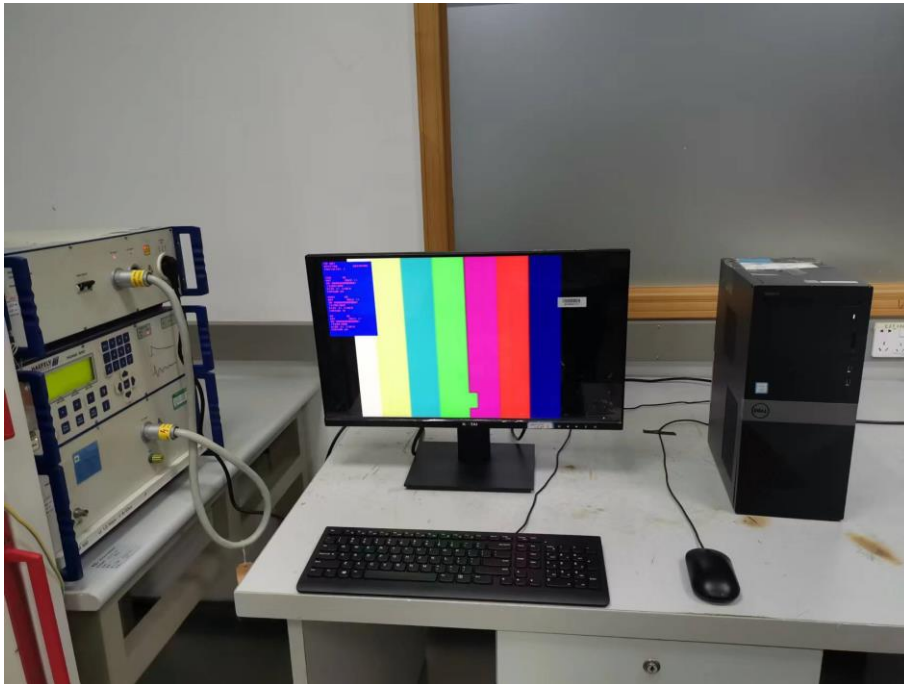
6.6. Set-up for Radio Frequency Electromagnetic Field Immunity (R/S) Test



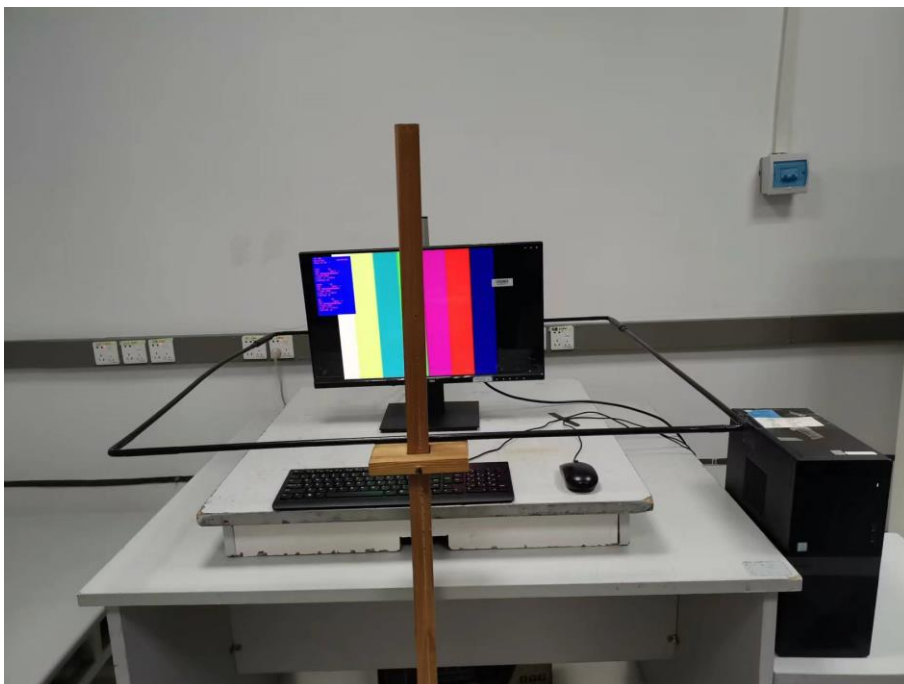
6.7. Set-up for Electrical Fast Transient/Burst Immunity Test



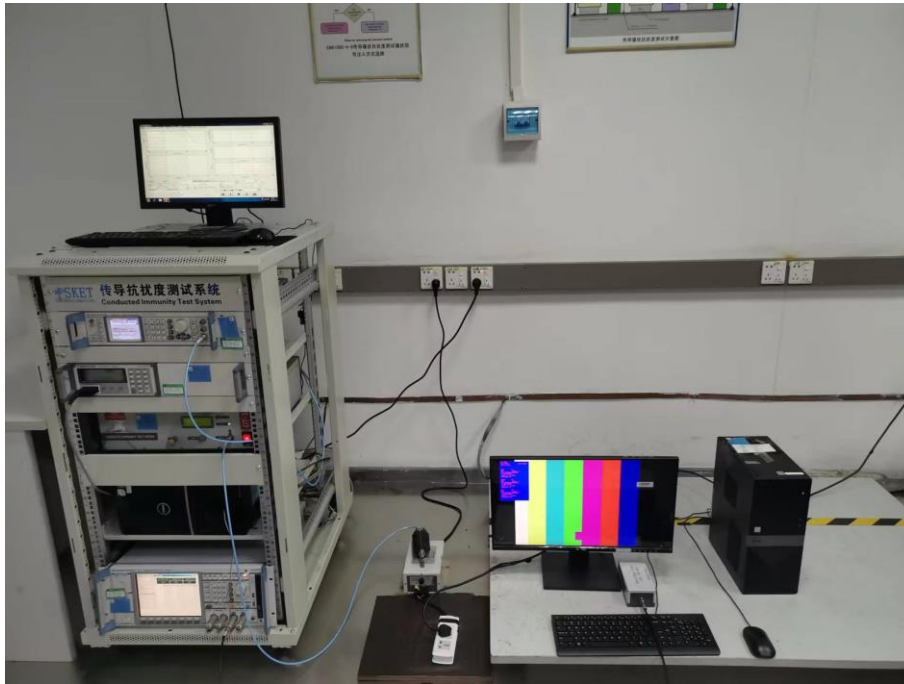
6.8. Set-up for Surge Immunity Test



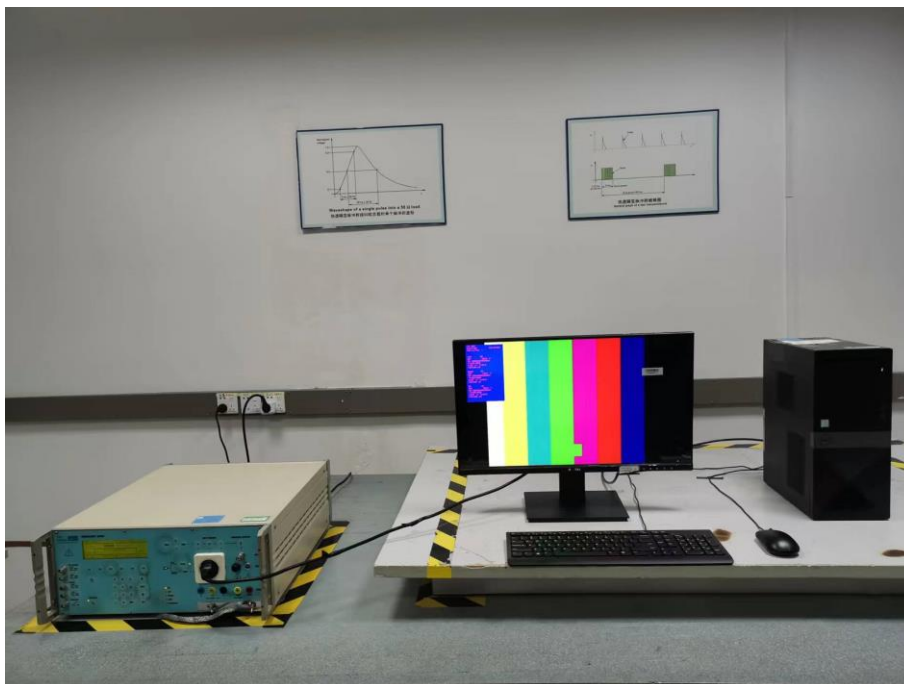
6.9. Set-up for Power Frequency Magnetic Field Immunity Test



6.10. Set-up for Injected Currents Susceptibility Test



6.11. Set-up for Voltage Dips and Short Interruptions Immunity Test



7. PHOTOGRAPHS OF THE EUT

M/N: LA-2402

Figure 1

General Appearance of the EUT



Figure 2

General Appearance of the EUT



Figure 3
General Appearance of the EUT



Figure 4
General Appearance of the EUT



Figure 5
General Appearance of the EUT



Figure 6
General Appearance of the EUT



Figure 7
General Appearance of the EUT



Figure 8
Inside View of the EUT



Figure 9
Inside View of the EUT

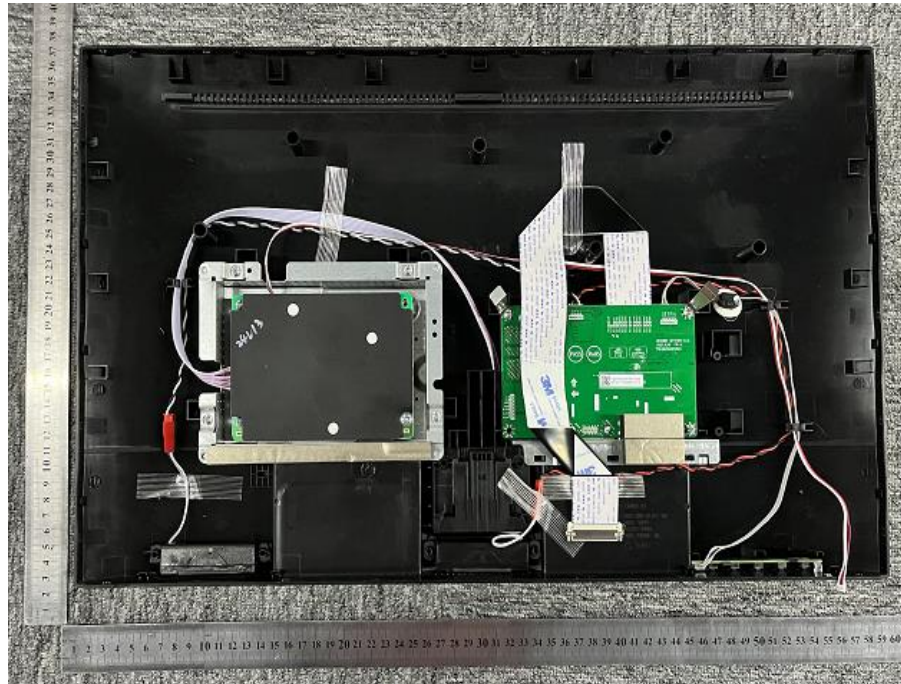


Figure 10
Inside View of the EUT



Figure 11
Inside View of the EUT

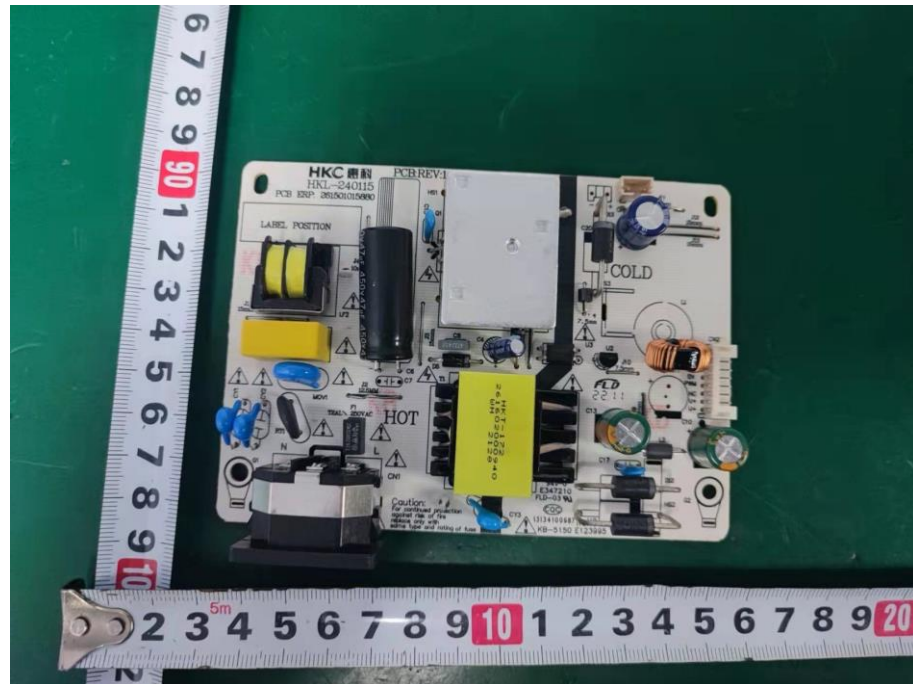


Figure 12
Inside View of the EUT



Figure 13
Inside View of the EUT

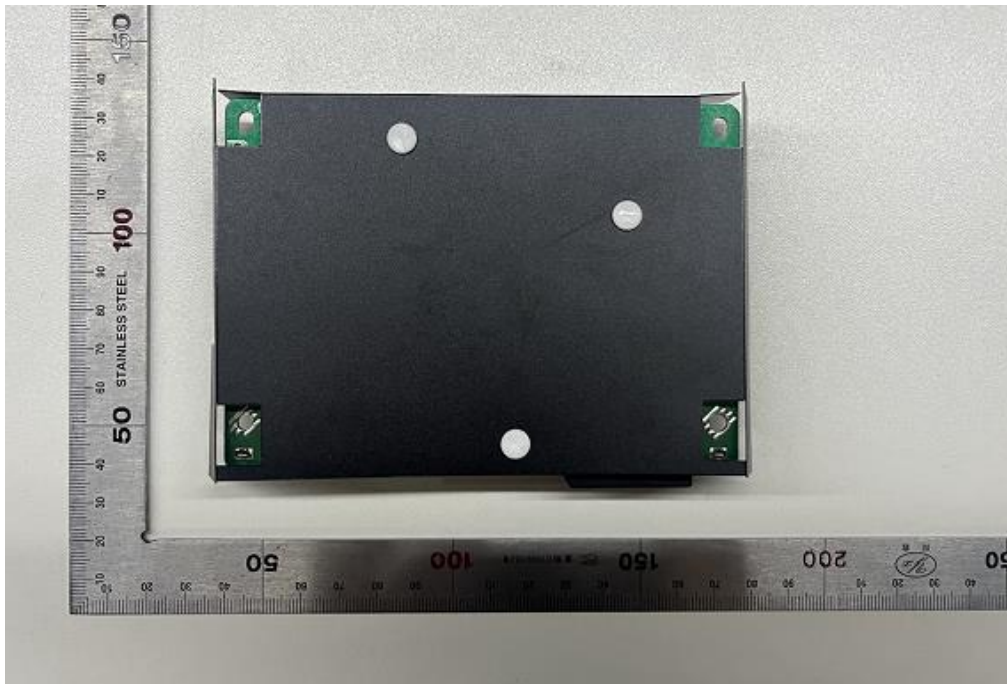


Figure 14
Inside View of the EUT

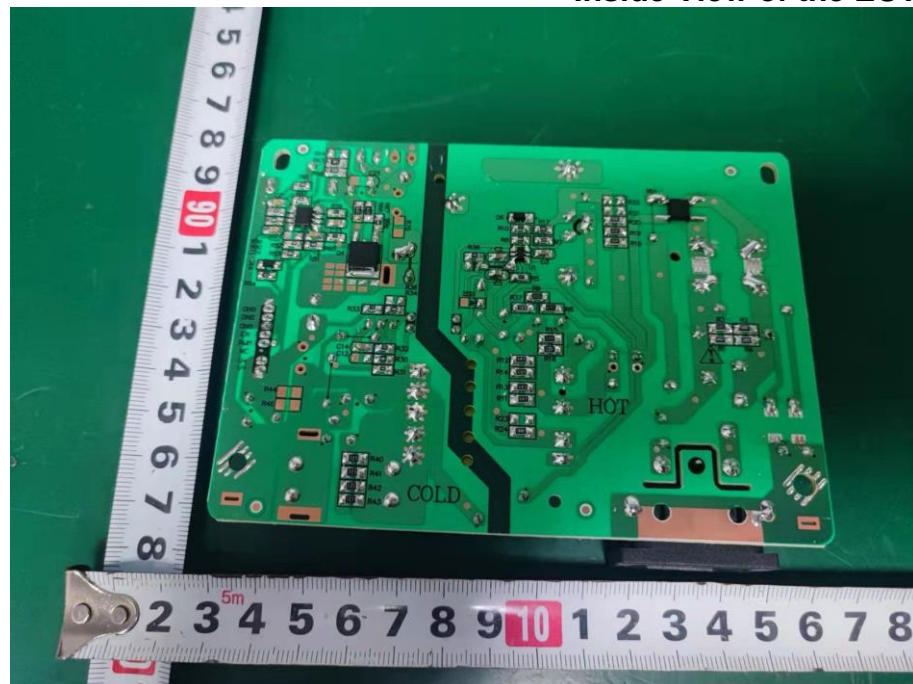
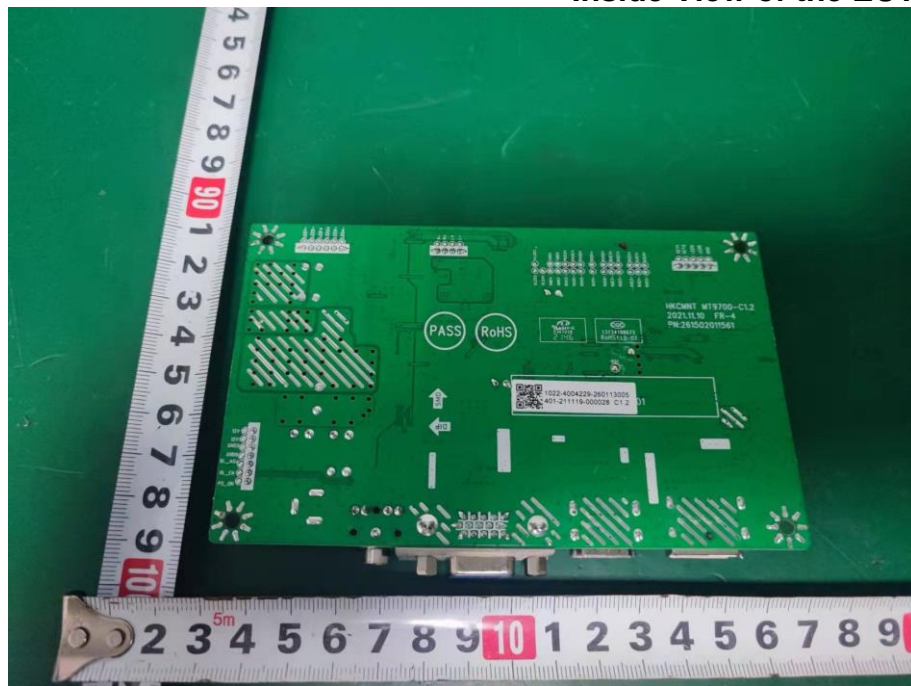


Figure 15
Inside View of the EUT



Figure 16
Inside View of the EUT



New Photos
M/N: LA-2402

Figure 17
General Appearance of the EUT



Figure 18
General Appearance of the EUT



Figure 19
General Appearance of the EUT



Figure 20
Inside View of the EUT

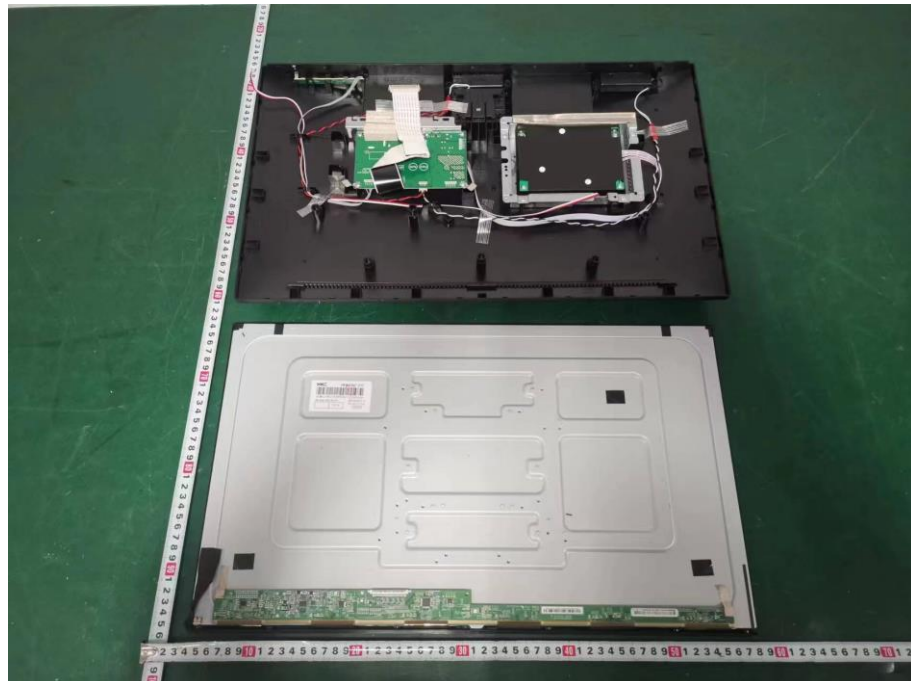


Figure 21
Inside View of the EUT

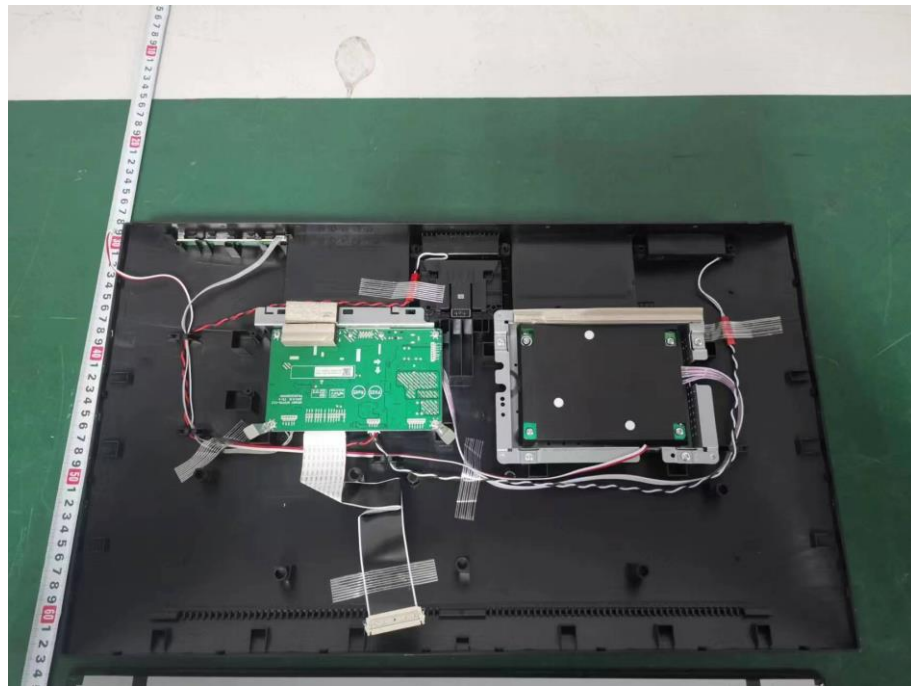


Figure 22
Inside View of the EUT

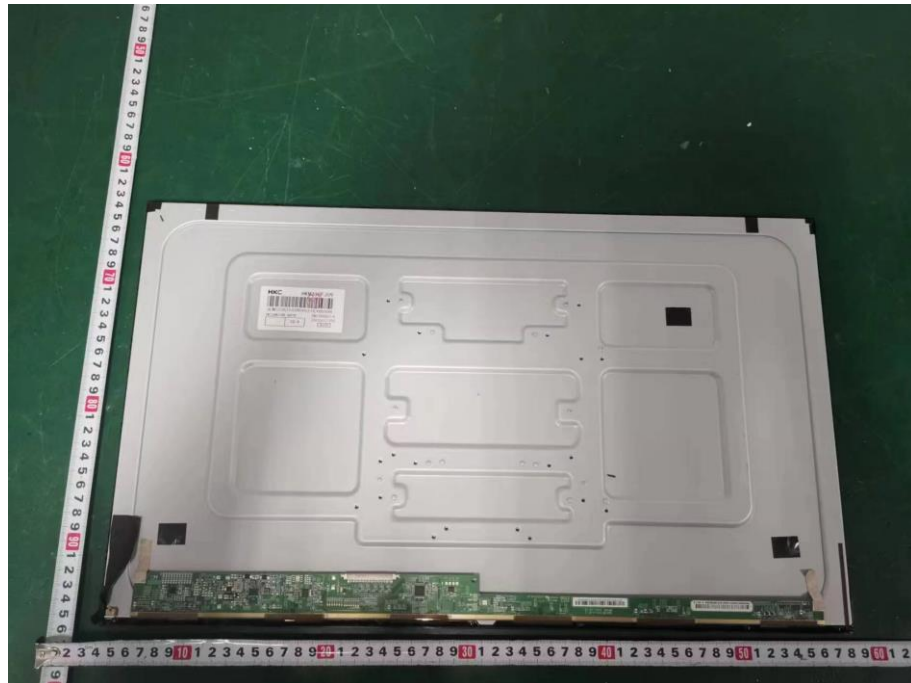


Figure 23
Inside View of the EUT



Figure 24
Inside View of the EUT

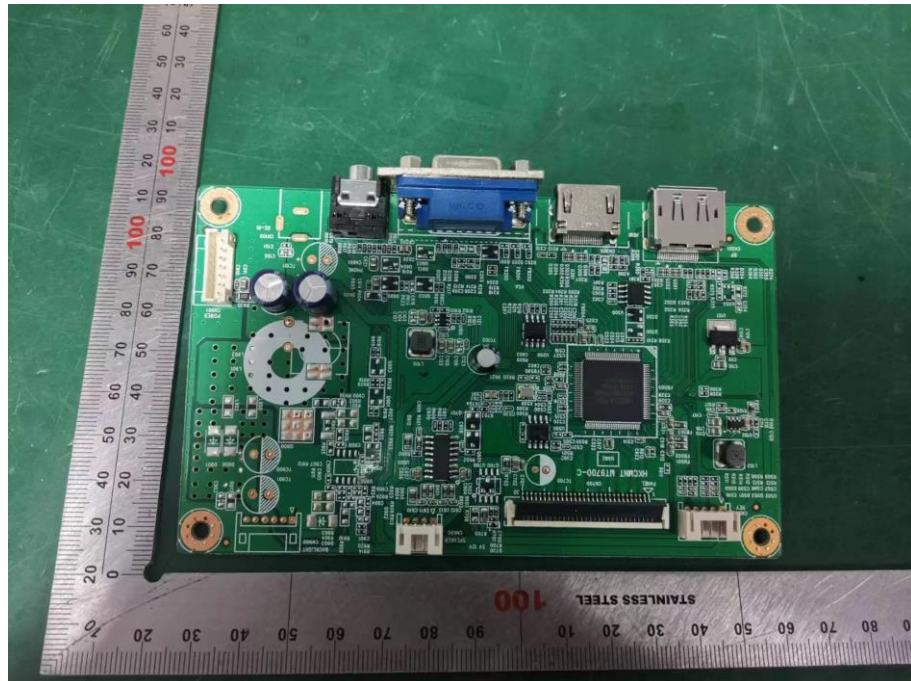


Figure 25
Inside View of the EUT

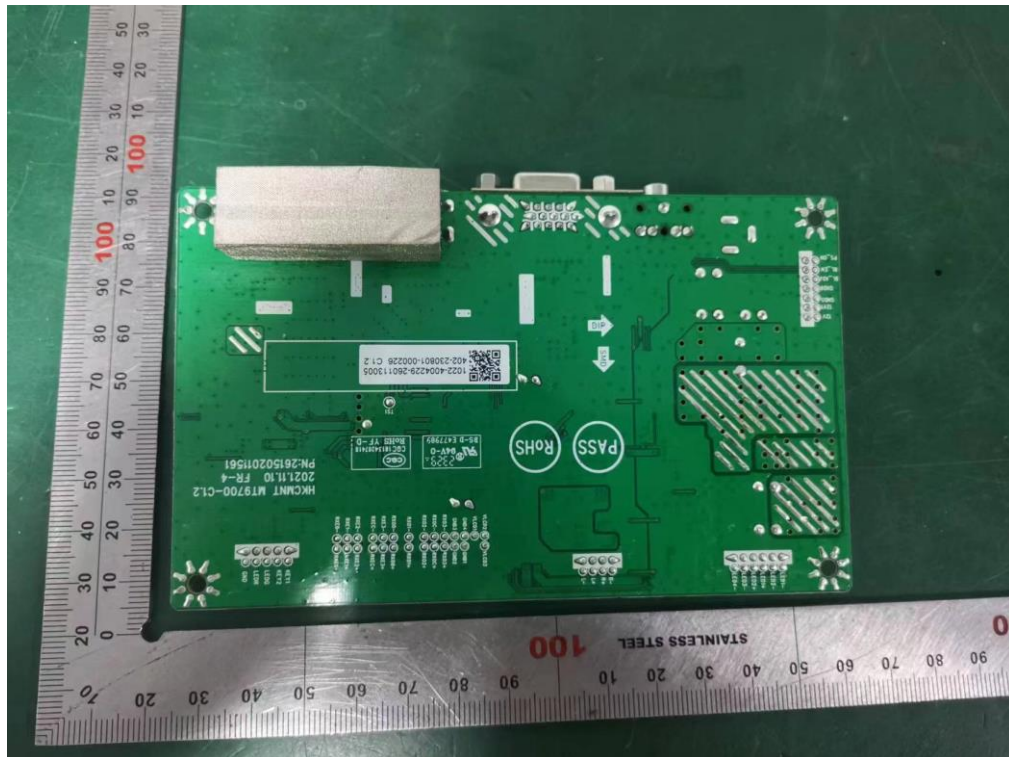


Figure 26
Inside View of the EUT

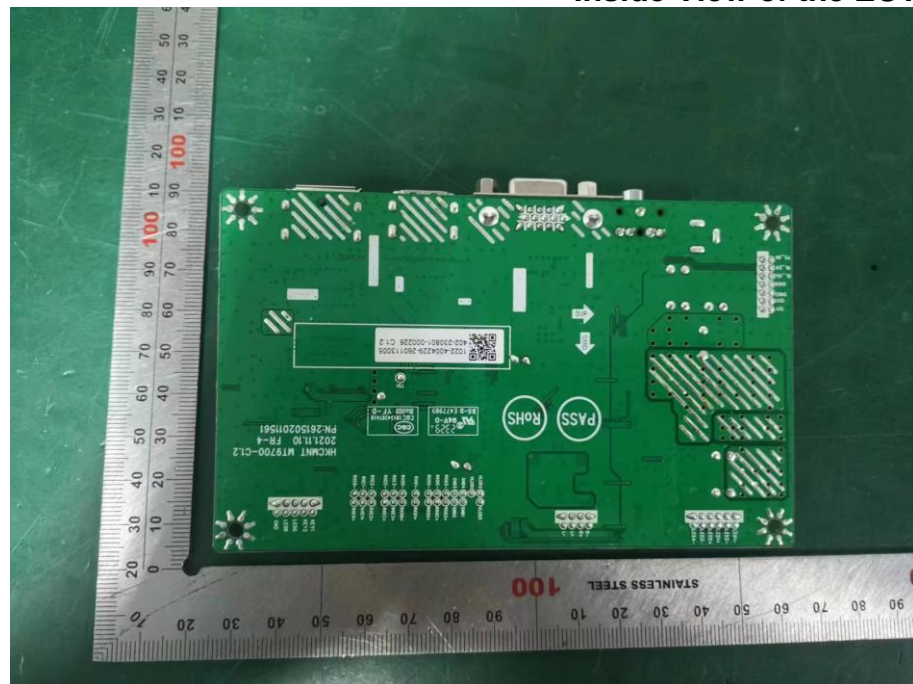


Figure 27
Inside View of the EUT

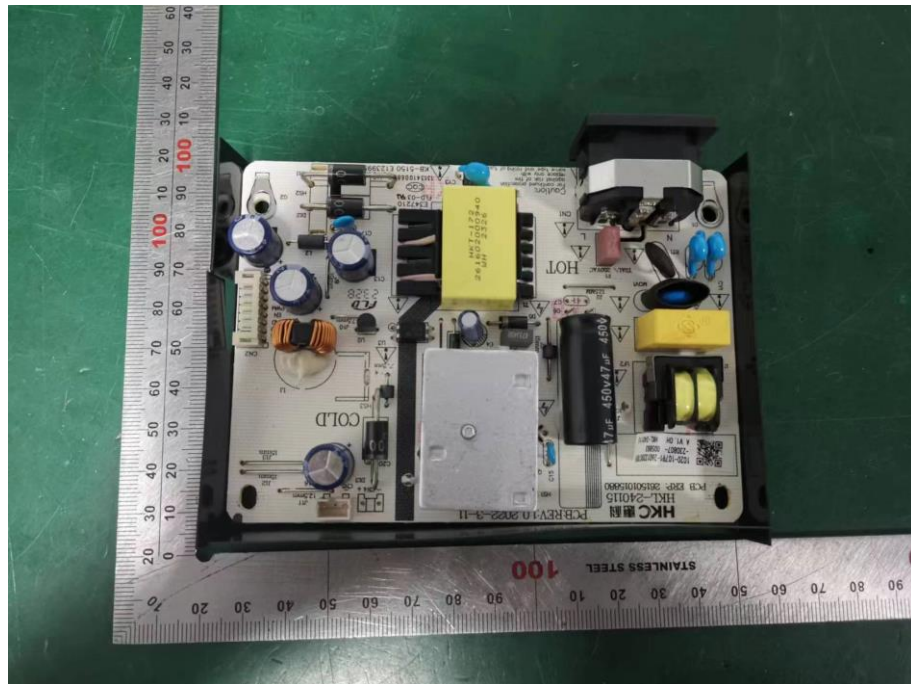


Figure 28
Inside View of the EUT

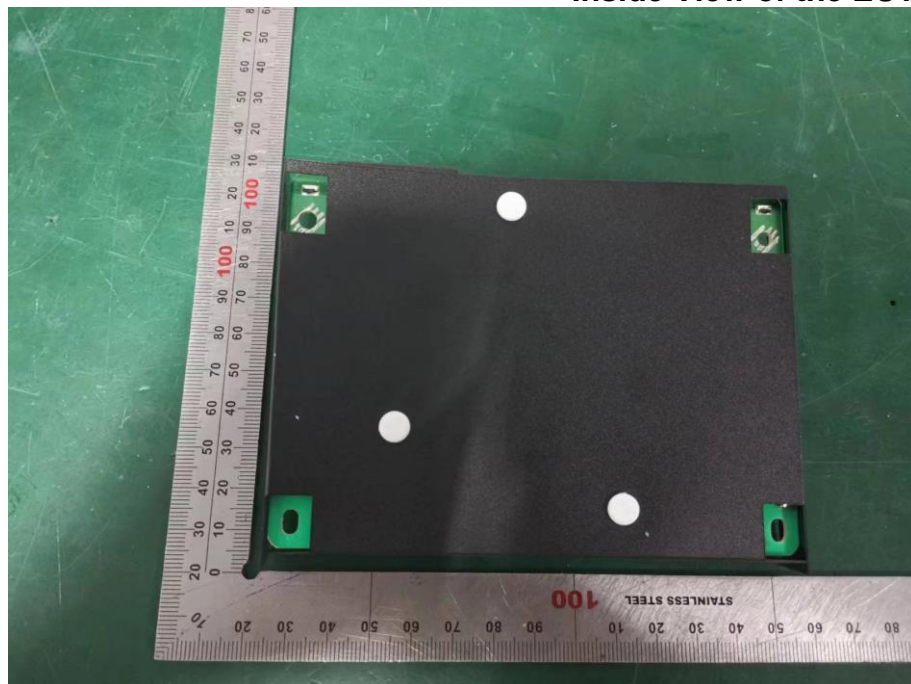
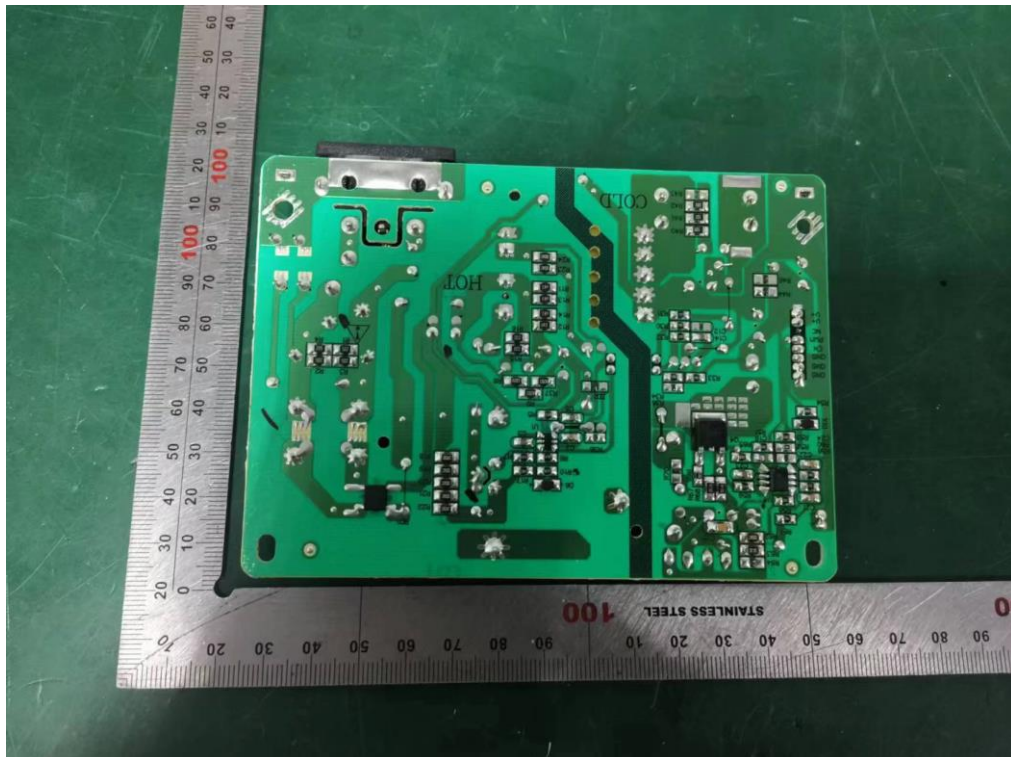


Figure 29
Inside View of the EUT



End of Test Report