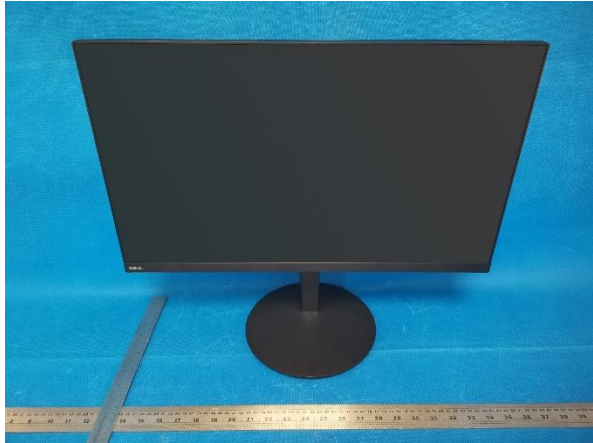


Prüfbericht-Nr.: Test Report No.:	CN22PN5A 001	Auftrags-Nr.: Order No.:	168389439	Seite 1 von 30 Page 1 of 30
Kunden-Referenz-Nr.: Client Reference No.:	2086647	Auftragsdatum: Order date.:	25 Jul. 2022	
Auftraggeber: Client:	Shenzhen MTC Co., Ltd. MTC Industry Park, 1st Lilang Road, Xialilang community, Nanwan street, Longgang District, Shenzhen, Guangdong, P.R. China			
Prüfgegenstand: Test item:	LCD Monitor			
Bezeichnung / Typ-Nr.: Identification / Type No.:	E244F, E244F-BK, AS244F, AS244F-BK, E244F-**, AS244F-**(* can be A-Z, 0-9 or "-" or blank, which is for marketing purpose, no EMC affected)			
Auftrags-Inhalt: Order content:	TUV Rheinland - EMC service			
Prüfgrundlage: Test specification:	EN 55032:2015+A11:2020 EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-2:2014 EN 61000-3-3:2013+A1:2019+A2:2021, EN 61000-3-3:2013 EN 55035:2017+A11:2020			
Wareneingangsdatum: Date of receipt:	25 Jul. 2022			
Prüfmuster-Nr.: Test sample No.:	A003311228-002			
Prüfzeitraum: Testing period:	Refer to test report			
Ort der Prüfung: Place of testing:	Refer to section 2.1			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by: Tiger Su		genehmigt von: authorized by: Felix Tao		
Datum: Date: 2022-09-21		Ausstellungsdatum: Issue date: 2022-09-21		
Stellung / Position:	Assistant Manager	Stellung / Position:	Reviewer	
Sonstiges / Other:	Trade Mark: NEC			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

V05

TEST SUMMARY

5.1.1 HARMONICS ON AC MAINS

Not Applicable

5.1.2 VOLTAGE FLUCTUATIONS ON AC MAINS

RESULT: Pass

5.1.3 MAINS TERMINAL CONTINUOUS DISTURBANCE VOLTAGE

RESULT: Pass

5.2.1 RADIATED EMISSION (BELOW 1GHz)

RESULT: Pass

5.2.2 RADIATED DISTURBANCE (ABOVE 1GHz)

RESULT: Pass

6.2.1 CONTINUOUS RF ELECTROMAGNETIC FIELD DISTURBANCES, SWEPT TEST

RESULT: Pass

6.2.2 CONTINUOUS RF ELECTROMAGNETIC FIELD DISTURBANCES, SPOT TEST

RESULT: Pass

6.2.3 RADIO-FREQUENCY CONTINUOUS CONDUCTED (CS)

RESULT: Pass

6.3.1 FAST TRANSIENTS (EFT)

RESULT: Pass

6.3.2 SURGE

RESULT: Pass

6.3.3 ELECTROSTATIC DISCHARGES (ESD)

RESULT: Pass

6.4.1 VOLTAGE DIP AND INTERRUPTIONS

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test result

Appendix 2: Measurement uncertainties

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd. Testing Center
No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P.R. China

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2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Conducted Emission				
EMI Test Receiver	R&S	ESR3	102680	2023-02-27
Artificial Mains Network	R&S	ENV216	101445	2023-02-27
Artificial Mains Network	R&S	ENV432	101546	2023-02-27
EMC32 test software	R&S	EMC32(Ver.1 0.50.00)	N/A	N/A
Radiated Emission				
10m SAC	ETS-Lindgren	SAC10	CT001632-Q1399	2024-03-01
EMI Test Receiver 1	R&S	ESR7	102022	2023-07-31
EMI Test Receiver 2	R&S	ESR7	102023	2023-07-31
Bilog Antenna 1	TESEQ	CBL6112D	51321	2023-08-08
Bilog Antenna 2	TESEQ	CBL6112D	51322	2023-07-07
Preamplifier 1 (30-1000MHz)	SCHWARZBECK	BBV9745	115	2023-08-01
Preamplifier 2 (30-1000MHz)	EMCI	EMC9135-P	980629	2023-08-01
Preamplifier 3 (1-18GHz)	FIT	SCU-18F	180076	2023-08-01
Horn Antenna	R&S	HF907	102707	2023-07-03
EMC32 test software	R&S	EMC32(Ver.1 0.50.00)	N/A	N/A
ESD				
ESD Tester	TESEQ	NSG-437	1282	2023-08-02
EFT/Surge/Voltage Dips & Interruptions				
EFT/Surge/Voltage Dips & Interruption Main test unit	EMTest	compact NX5 bspt-1-300-16	P1807214329	2023-07-31
Capacitive Coupling Clamp	EMTest	CCI	P1827221599	2023-07-31
Variac	EMTest	Variac NX-1-260-16	P1828221789	2023-07-31
PFMF Generator	EMTest	MC 2630	P1816215107	2023-08-01
PFMF Magnetic antenna	EMTest	MS 100N	P1832222236	2023-07-31
Coupling Decoupling Network for Telecommunication port	EMTest	CNV508T5	P1806214115	2023-07-31

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Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
EMC 4 IN 1 system test software	EMTest	lec.control (V4.0.0)	N/A	N/A
Radio Frequency Electromagnetic Field				
3m FAC	ETS-Lindgren	FAC3	CT001632-Q1360	2024-04-26
Signal Generator	R&S	SMB100A	115183	2023-07-31
Power Amplifier	R&S	BBA150-BC250	103102	2023-08-01
Power Amplifier	R&S	BBA150-D110E100	103117	2023-08-01
NRP6AN Average power sensor	R&S	NRP6AN	101161	2023-08-01
NRP6AN Average power sensor	R&S	NRP6AN	101162	2023-08-01
Stacked double Log.-Per. Antenna1825022	SCHWARZBECK	STLP 9128E	0153	2023-01-21
Stacked Log.-Per. Antenna	SCHWARZBECK	STLP 9149	00520	2023-01-21
Laser Probe Interface	rf/microwave	FI7000	0351048	2023-08-08
Electric Field Probe Kit	rf/microwave	FL7006/KIT	0350352/0351122	
EMC32 test software	R&S	EMC32(Ver.1 0.30.01)	N/A	N/A
Conducted Disturbances by Radio Frequency Fields				
Conducted Immunity Test System	Teseq	NSG 4070	51350	2023-08-01
6 dB Attenuator	Teseq	100W6dB	/	2023-08-01
COUPLING AND DECOUPLING NETWORK	Teseq	CDN M016	51055	2023-08-01
COUPLING AND DECOUPLING NETWORK	Teseq	CDN M016	51056	2023-08-01
COUPLING AND DECOUPLING NETWORK	Teseq	CDNE M210	51964	2023-08-01
COUPLING AND DECOUPLING NETWORK	Teseq	CDNE M310	50933	2023-08-01
COUPLING AND DECOUPLING NETWORK	Teseq	CDN T800	49430	2023-08-01
Attenuation clamp	Teseq	KEMA 801A	50790	2023-03-24
EM Clamp	Teseq	KEMZ 801A	51287	2023-03-24

3. General Product Information

3.1 Product Function and Intended Use

The EUT is LCD Monitor, which is used for connecting the personal computer with Display port, HDMI port and VGA port+audio port. All models are identical to each other except type designation. Details refer to User manual and Circuit diagram.

3.2 Ratings and System Details

Rated input voltage: 100-240V~
Frequency: 50/60Hz
Rated input current: 0.45-0.3A

3.3 Independent Operation Modes

The basic operation modes are:

- A. On(Running 1kHz color bar signal and with/without headphone output)
 - 1. VGA+PC Audio in
 - 2. DP input
 - 3. HDMI input
- B. Off

3.4 Input / Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
0	Enclosure	N/E	No	--	None
1	Mains	AC	No	Unshielded	None
2	Display port	I/O	No	Shielded	None
3	HDMI port	I/O	No	Shielded	None
4	VGA port	I/O	No	Shielded	None

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5	Audio In port	I/O	No	Unshielded	None
6	Headphone port	I/O	No	Unshielded	None
*AC = AC Power Port DC = DC Power Port N/E = Non-Electrical					
I/O = Signal Input or Output Port (Not Involved in Process Control)					

3.5 Noise Generating and Noise Suppressing Parts

Sources of Interference:

- 1) IC Circuits
- 2) Transformer
- 3) Transistor

Others refer to the Circuit Diagram/Photo Document for details.

Noise Suppressing Parts:

- 1) Inductor
- 2) Capacitor

Others refer to Circuit Diagram/Photo Document for details.

3.6 Submitted Documents

- Rating Label
- User Manual
- Circuit Diagram
- PCB Layout

4. Test Set-up and Operation Modes

4.1 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 instructions for use.

Immunity: The equipment under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in section 5 & 6. Tests were applied to model E244F-BK only. Pre-test in different resolution, and find out the worst case for compliance test (1920 x 1080@60Hz).

4.3 Special Accessories and Auxiliary Equipment

The sample was tested together with the following accessories:

Use*	Product Type	Manufacturer	Model	Remark
AE	Personnal Computer	Lenovo	ThinkCenter M910t	S/N:M70760G2 (used for VGA input)
AE	Personnal Computer	DELL	OptiPlex 3050 SFF	S/N: BQJFDK2 (used for DP or HDMI input)
AE	Mouse	DELL	MS116t	S/N: CN-0DV0RH-LO300-82C-16PM
AE	keyboard	DELL	KB4021	--

Abbreviations:

EUT - Equipment Under Test,
AE - Auxiliary/Associated Equipment, or
SIM - Simulator (Not Subjected to Test)

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The sample was tested with following cables:

Cable name	Length (m)	Shielded	Detachable	With ferrite core	Equipped (for marketing)
AC Power Cord	1.8	No	Yes	No	Yes
VGA	1.5	Yes	Yes	Yes	No
HDMI	1.8	Yes	Yes	No	No
Display	1.8	Yes	Yes	No	Yes
Audio in	1.5	No	Yes	No	No

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Harmonics on AC Mains

Not Applicable

Date of testing	:	--
Test procedure	:	EN IEC 61000-3-2:2019+A1 EN 61000-3-2:2014
Class	:	D

Remark:

The EUT's rated power is less than 75W and does not belong to lighting equipment, therefore harmonic current test is not applicable in accordance with Clause 7 of EN IEC 61000-3-2:2019+A1 & EN 61000-3-2:2014.

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5.1.2 Voltage Fluctuations on AC Mains

RESULT:

Pass

Test procedure	:	EN 61000-3-3:2013+A1+A2 EN 61000-3-3:2013
Limit	:	Clause 5
Frequency range	:	0 - 2kHz

Based on the EUTs' working principle, and the max.rated input power of the EUTs is less than 75W, which unlikely to produce significant voltage fluctuation. Therefore no test was applied.

See clause 6.1***

*** EN 61000-3-3:2013+A1+A2 & EN 61000-3-3:2013, clause 6.1: "... Tests need not be made on equipment which is unlikely to produce significant voltage fluctuations or flicker. ..."

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5.1.3 Mains Terminal Continuous Disturbance Voltage

RESULT:

Pass

Date of testing	:	Refer to Appendix 1
Test standard	:	EN 55032:2015+A11
Frequency range	:	0.15 - 30MHz
Classification	:	Class B
Limits	:	Table A.10
Kind of test site	:	Shielded room

Test setup

Input Voltage	:	AC 240V/50Hz or 100V/60Hz
Operation Condition	:	According to clause C.3.5 & Annex D of EN 55032:2015+A11
Operation mode	:	A
Artificial hand	:	Not applied
Earthing	:	Connected
Ambient temperature	:	Refer to Appendix 1
Relative humidity	:	Refer to Appendix 1
Atmospheric pressure	:	101kPa

Detailed test data refer to attached Appendix 1.

5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated Emission (Below 1GHz)

RESULT:

Pass

Date of testing	:	Refer to Appendix 1
Test standard	:	EN 55032:2015+A11
Frequency range	:	30 - 1000MHz
Classification	:	Class B
Limits	:	Table A.4
Kind of test site	:	10m Semi-anechoic chamber

Test setup:

Input Voltage	:	AC 240V/50Hz or 100V/60Hz
Operation Condition	:	According to Annex B, C & D of EN 55032:2015+A11
Operation mode	:	A
Earthing	:	Connected
Ambient temperature	:	Refer to Appendix 1
Relative humidity	:	Refer to Appendix 1
Atmospheric pressure	:	101kPa

Method: Measurements were made in a 10-meter semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10 meter below 1GHz and 3 meter above 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasi-peak detector below 1GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

Detailed test data refer to attached Appendix 1.

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5.2.2 Radiated Disturbance (Above 1GHz)

RESULT:

Pass

Date of testing	:	Refer to Appendix 1
Test standard	:	EN 55032:2015+A11
Frequency range	:	1 – 6GHz
Classification	:	Class B
Limits	:	Table A.5 of EN 55032:2015+A11
Kind of test site	:	3m Semi-Anechoic Chamber with RF absorber on the RGP
Tested Port	:	Enclosure

Test setup

Input Voltage	:	AC 240V/50Hz or 100V/60Hz
Operation Condition	:	According to Annex B, C & D of EN 55032:2015+A11
Operation mode	:	A
Earthing	:	Connected
Ambient temperature	:	Refer to Appendix 1
Relative humidity	:	Refer to Appendix 1
Atmospheric pressure	:	101kPa

Method: Measurements were made in a 10-meter semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10 meter below 1GHz and 3 meter above 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (average detector above 1GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

Detailed test data refer to attached Appendix 1

6. Test Results IMMUNITY

6.1 Classification of apparatus

According to EN 55035: 2017+A11, the EUTs shall be tested in accordance with clause 4 & 5, and comply with the performance criterion in table 1, 2 & 4 of clause 5.

Continuous Disturbance

Continuous RF electromagnetic field disturbances swept test, spot test	Criterion A
Radio-Frequency Continuous Conducted	Criterion A
Power Frequency Magnetic Fields *	Criterion A

Transient Disturbance

Fast Transients (EFT)	Criterion B
Surge	Criterion B
Electrostatic Discharges (ESD)	Criterion B

Power supply Alterations

Voltage Dips, >95% reduction, 0.5 period	Criterion B
30% reduction, 25 periods at 50Hz	Criterion C
30% reduction, 30 periods at 60Hz	Criterion C
Voltage Interruptions, >95% reduction, 250 periods at 50Hz	Criterion C
>95% reduction, 300 periods at 60Hz	Criterion C

Remark:

*The EUTs don't contain devices susceptible to magnetic fields, therefore the Power-Frequency Magnetic Fields test is not necessary.

The length of the signal cables is less than 3m normally and for indoor use only, hence CS, EFT & surge tests are not applicable to these signal port.

6.2 Continuous Disturbances

6.2.1 Continuous RF electromagnetic field disturbances, swept test

RESULT: **Pass**

Date of Testing : 2022-08-10
 Test Specification : EN 55035:2017+A11
 Basic Standard : IEC 61000-4-3:2006+A1+A2
 Criterion : A (Clause 8 and Annex G of EN 55035:2017+A11)
 Frequency Range : 80 - 1000MHz
 Test Level : 3V/m (Unmodulated, r.m.s.)
 Modulation : AM 80%, 1kHz sine-wave

Test setup

Input Voltage : AC 230V/50Hz or 100V/60Hz
 Operation Mode : A
 Earthing : Connected
 Ambient temperature : 23.5°C
 Relative humidity : 49.8%
 Atmospheric pressure : 101 kPa

Table 2: Immunity against RF electromagnetic field disturbances, swept test

Frequency (MHz)	Field Strength (V/m)	Polarization of antenna	Audio output	Limit	Interference Ratio (worst case)	Result
80MHz-1000MHz	3V/m (rms)	H	Earphone /Speaker	≤ 0dB (for devices supporting telephony);	-37.245	Pass
		V	Earphone /Speaker	≤ -20dB (for other devices)	-37.223	

Note: Operating as intended, no degradation detected during and after testing.

6.2.2 Continuous RF electromagnetic field disturbances, spot test

RESULT: **Pass**

Date of Testing : 2022-08-10
Test Specification : EN 55035:2017+A11
Basic Standard : IEC 61000-4-3: 2006+A1+A2
Criterion : A (Clause 8 and Annex G of EN 55035:2017+A11)
Frequency Range : 1800MHz, 2600MHz, 3500MHz, 5000MHz
Test Level : 3V/m (Unmodulated, r.m.s.)
Modulation : AM 80%, 1kHz sine-wave

Test setup

Input Voltage : AC 230V/50Hz or 100V/60Hz
Operation Mode : A
Earthing : Connected
Ambient temperature : 23.5°C
Relative humidity : 49.8%
Atmospheric pressure : 101 kPa

Table 3: Immunity against RF electromagnetic field disturbances, spot test

Frequency (MHz)	Field Strength (V/m)	Polarization of antenna	Audio output	Limit	Interference Ratio (worst case)	Result
1800MHz, 2600MHz, 3500MHz, 5000MHz	3V/m (rms)	H	Earphone /Speaker	$\leq 0\text{dB}$ (for devices supporting telephony); $\leq -20\text{dB}$ (for other devices)	-37.655	Pass
		V	Earphone /Speaker		-37.426	

Note: Operating as intended, no degradation detected during and after testing.

6.2.3 Radio-Frequency Continuous Conducted (CS)

RESULT:

Pass

Date of testing	:	2022-08-10
Test Specification	:	EN 55035:2017+A11
Basic Standard	:	IEC 61000-4-6:2008
Criterion	:	A (Clause 8 and Annex G of EN 55035:2017+A11)
Frequency range	:	0.15 - 80 MHz*
Source impedance	:	150Ω
Test level	:	3V, 3 to 1V, 1V (unmodulated, r.m.s.)
Modulation	:	AM 80%, 1kHz sine-wave
Sweep mode	:	automatic
Sweep rate	:	< 1.5×10 ⁻³ decade / sec.
Tested port	:	AC mains, LAN, HDMI

Test setup

Input Voltage	:	AC 230V/50Hz or 100V/60Hz
Operation Mode	:	A
Earthing	:	Connected
Ambient temperature	:	23.5°C
Relative humidity	:	49.8%
Atmospheric pressure	:	101 kPa

Table 4: Immunity against Radio-frequency Common Mode / Conducted Susceptibility (CS)

Ports	Frequency Range	Test Level	Audio output	Limit	Interference Ratio (worst case)	Result
AC mains	150kHz-10MHz	3V (rms)	Earphone /Speaker	≤ -20dB	-36.433	Pass
	10MHz-30MHz	3V to 1V (rms)		≤ -20dB	-36.311	Pass
	30MHz-80MHz	1V (rms)		≤-10dB (for devices supporting telephony); ≤ -20dB (for other devices)	-35.473	Pass
Note: Operating as intended, no degradation detected during and after testing.						

6.3 Transient Disturbances

6.3.1 Fast Transients (EFT)

RESULT:

Pass

Date of testing : 2022-08-10
Test Specification : EN 55035:2017+A11
Basic Standard : IEC 61000-4-4:2012
Criterion : B
Test level : $\pm 1\text{kV(AC Mains)}$
Test duration : 120sec
Rise time : 5/50ns
Repetition frequency : 5 kHz
Tested port : AC mains

Test setup

Input Voltage : AC 230V/50Hz or 100V/60Hz
Operation Mode : A
Earthing : Connected
Ambient temperature : 23.5°C
Relative humidity : 49.8%
Atmospheric pressure : 101 kPa

Table 5: Immunity against Electrical Fast Transients (EFT), on AC Power Ports

Coupling Method: Direct Injection		
Coupling Port	Test Voltage / Result	Remark
AC mains: L1 (L), L2 (N), PE	$\pm 1000\text{V}$ Pass	EUT operated as intended, no degradation of function.

6.3.2 Surge

RESULT:

Pass

Date of testing : 2022-08-10
Test Specification : EN 55035:2017+A11
Basic Standard : IEC 61000-4-5:2005
Criterion : B
Source impedance : 2Ω , 12Ω
Test level : $\pm 0.5\text{kV}$, $\pm 1\text{kV}$, $\pm 2\text{kV}$
Coupling phases : 90° , 270°
Number of surges : 5 (for each combination of parameters)
Repetition rate : Max. 1/min
Tested port : AC mains

Test Setup

Input Voltage : AC 230V/50Hz or 100V/60Hz
Operation Mode : A
Earthing : Connected
Ambient temperature : 23.5°C
Relative humidity : 49.8%
Atmospheric pressure : 101 kPa

Table 6: Surge Immunity Tests, on AC Power Ports

Coupling Port	Test Voltage	Coupling Phase	Result	Remark
AC mains: L1 (L) - L2 (N) Differential (Line to Line)	$\pm 500\text{V}$ $\pm 1000\text{V}$	$\pi/2$, $3\pi/2$	Pass	EUT operated as intended, no degradation of function.
AC mains: L1 (L) - PE Common (Line to Ground)	$\pm 500\text{V}$ $\pm 1000\text{V}$ $\pm 2000\text{V}$	$\pi/2$, $3\pi/2$	Pass	EUT operated as intended, no degradation of function.
AC mains: L2 (N) - PE Common (Line to Ground)	$\pm 500\text{V}$ $\pm 1000\text{V}$ $\pm 2000\text{V}$	$\pi/2$, $3\pi/2$	Pass	EUT operated as intended, no degradation of function.

Remark: Since the EUT is used in indoor environment, and have no port which according to manufacturer's specification may connect directly to outdoor cable, therefore surge on signal port is not applicable.

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6.3.3 Electrostatic Discharges (ESD)

RESULT:

Pass

Date of testing : 2022-08-10
Test Specification : EN 55035:2017+A11
Basic Standard : IEC 61000-4-2:2008
Criterion : B
Discharge voltage : $\pm 2.0\text{kV}$, $\pm 4.0\text{kV}$, $\pm 8.0\text{kV}$ (air discharge)
 $\pm 4.0\text{kV}$ (contact discharge)
Number of discharges : >10

Test Setup

Input Voltage : AC 230V/50Hz or 100V/60Hz
Operation Mode : A
Earthing : Connected
Ambient temperature : 23.5°C
Relative humidity : 49.8%
Atmospheric pressure : 101 kPa

Table 7: Electrostatic Discharges (ESD), both Polarities

Discharge Points	Type of Discharge	Result	Remark
All non-conducted enclosure & seams	Air	Pass	The screen was flickered during testing, and EUT could automatically resume operating as intended after testing.
All conducted enclosure	Contact	Pass	
HCP& VCP	Contact	Pass	
Remark: VCP- Vertical Coupling Plane; HCP- Horizontal Coupling Plane			

6.4 Power Supply Alterations

6.4.1 Voltage Dip and Interruptions

RESULT:

Pass

Date of testing : 2022-08-10
Test Specification : EN 55035:2017+A11
Basic Standard : IEC 61000-4-11:2004
Criterion : B & C

Test Setup

Input Voltage : AC 230V/50Hz or 100V/60Hz
Operation Mode : A
Earthing : Connected
Ambient temperature : 23.5°C
Relative humidity : 49.8%
Atmospheric pressure : 101 kPa

Table 8: Voltage Dip and Interruptions

Voltage Reduction	Number of cycles	Interval	Rep. Times	Criterion	Result
100%	0.5	10s	3	B	Pass
30%	25 for 50Hz 30 for 60Hz	10s	3	C	Pass
100%	250 for 50Hz 300 for 60Hz	10s	3	C	Pass

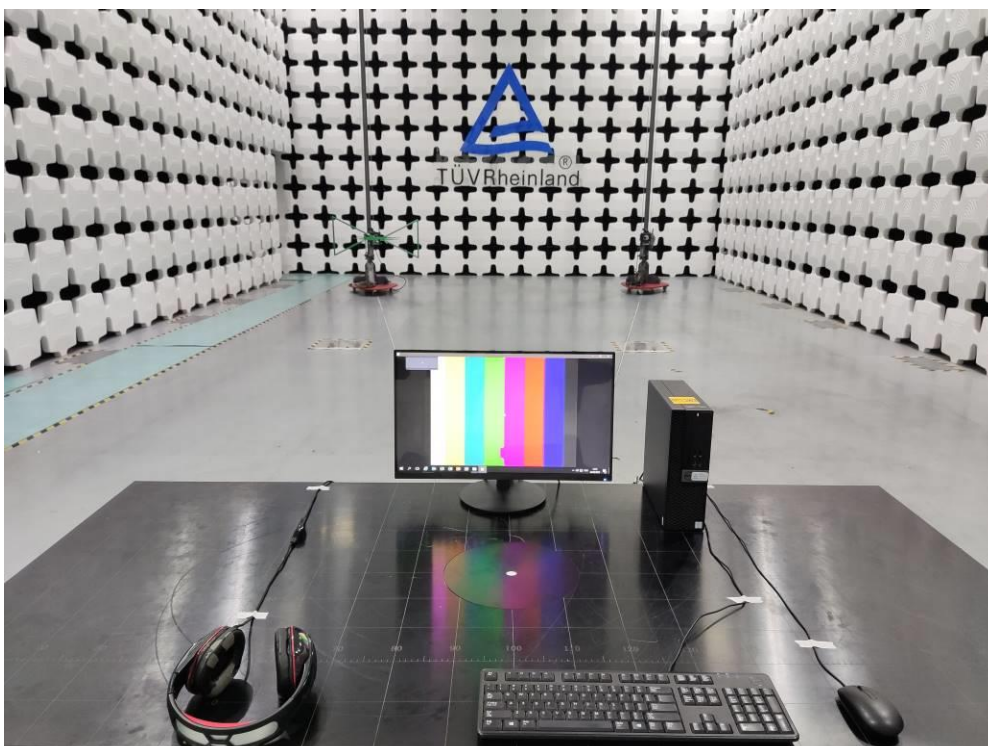
Remark: During voltage interruptions testing, the EUT was powered off, resume normal after testing automatically. For other test levels, operating as intended, no degradation detected during and after testing.

7. Photographs of the Test Set-Up

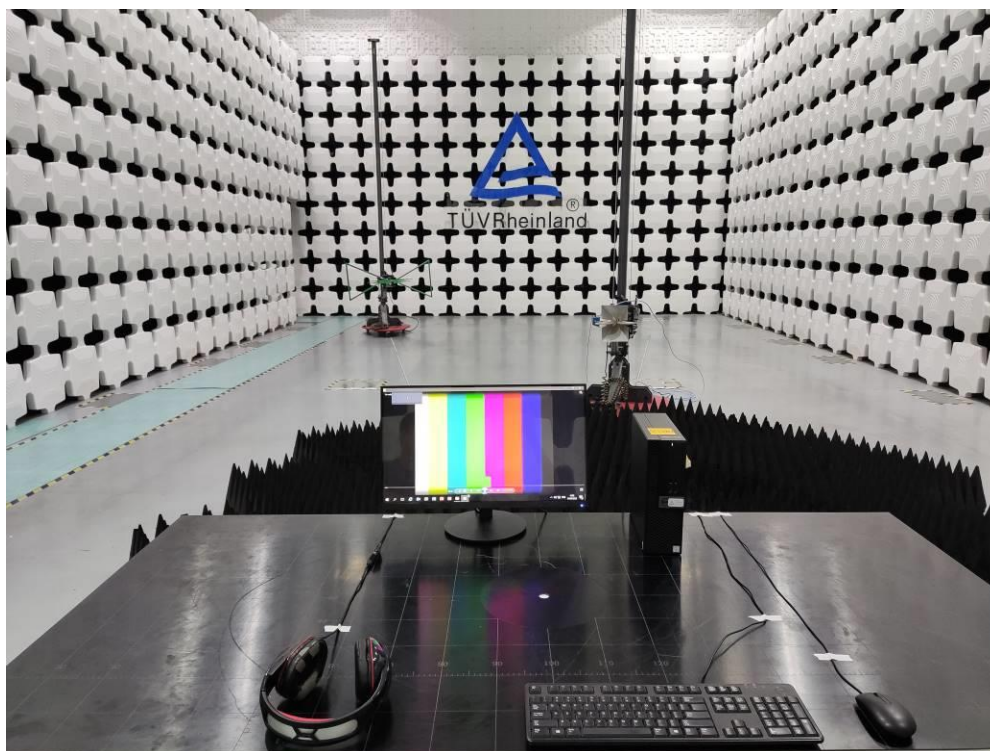
Photograph 1: Set-up for Conducted Emission



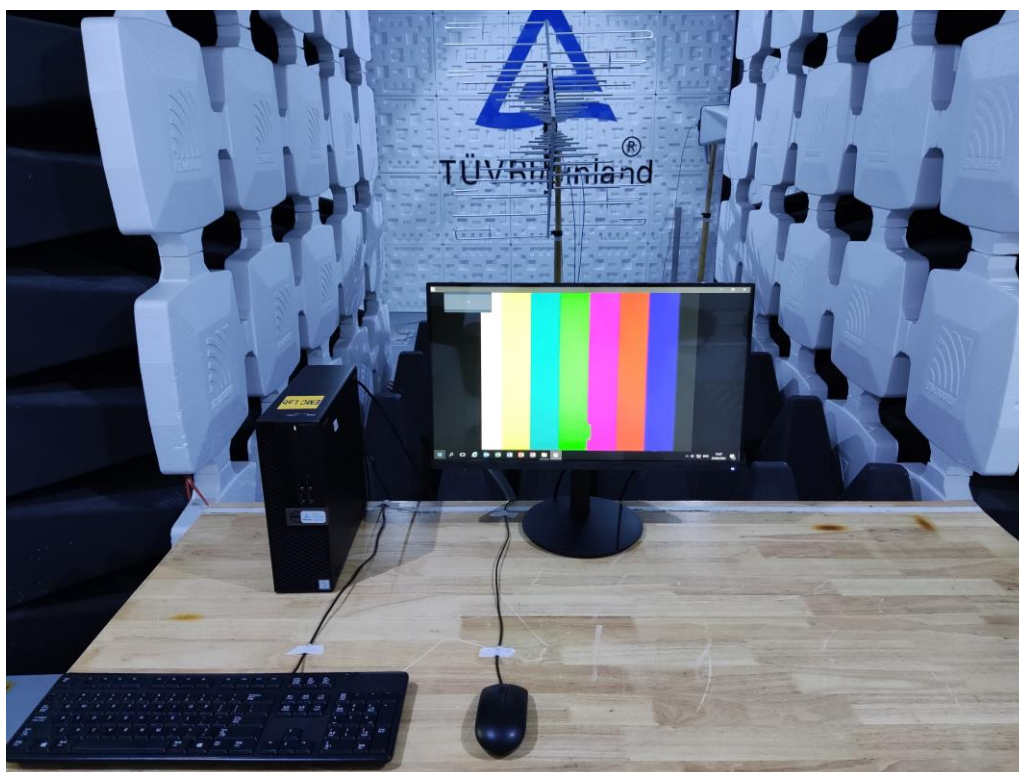
Photograph 2: Set-up for Radiated Emission(30MHz-1GHz)

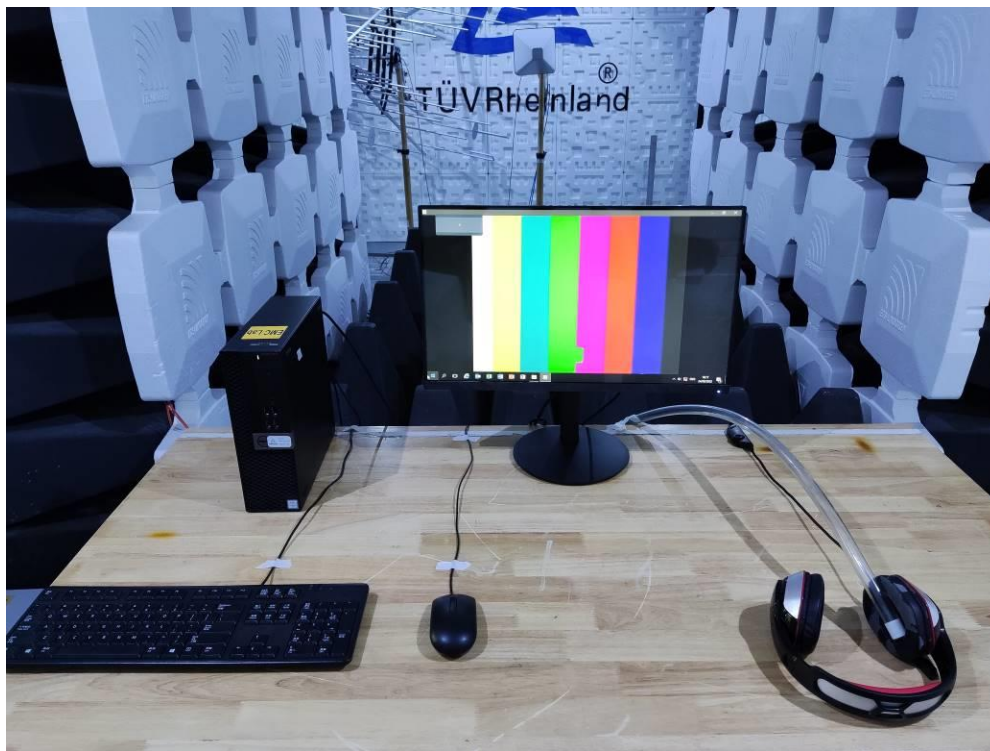


Photograph 3: Set-up for Radiated Emission(1GHz-6GHz)

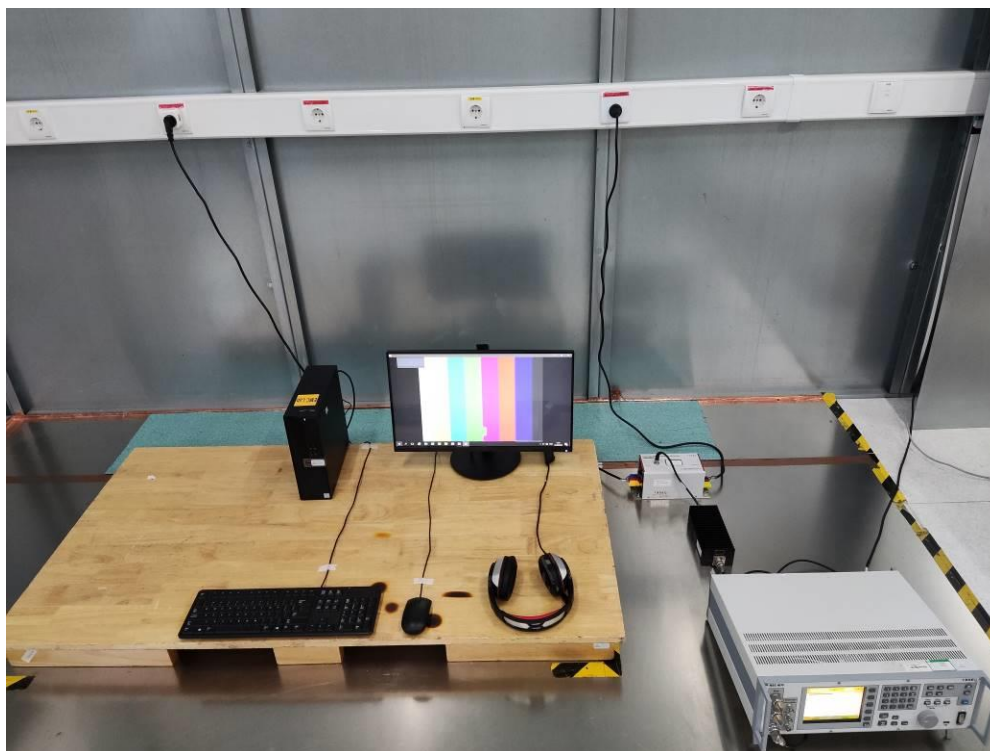


Photograph 4: Set-up for Radio-frequency Electromagnetic Field Amplitude Modulated





Photograph 5: Set-up for Conducted Susceptibility



Photograph 6: Set-up for Fast Transients



Photograph 7: Set-up for Surge on AC Mains



Photograph 8: Set-up for Voltage Dips on AC Mains



Photograph 9: Set-up for Electrostatic Discharges



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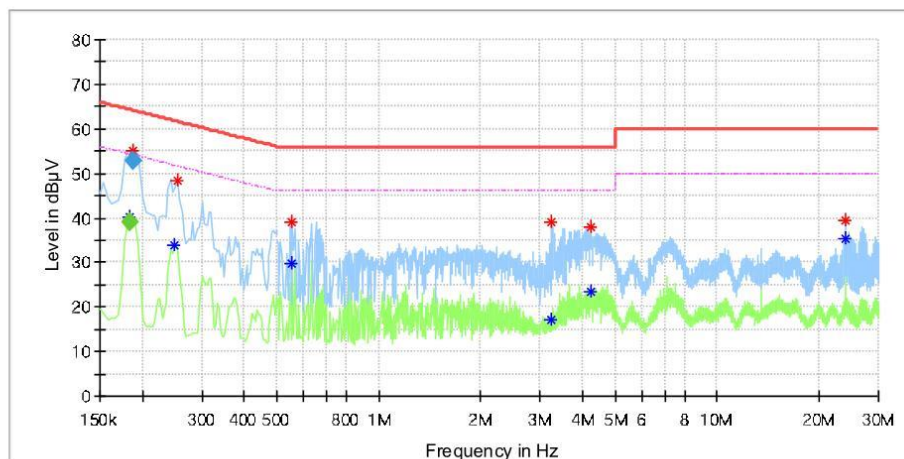
CE-DP-E244F-BK-100V-L

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Test Report

EUT Information

EUT Name: Desktop Monitor
Order No:
Model: E244F-BK
Test Mode: DP input
Test Voltage: AC 100V/60Hz
Test By/Review By: Guangshen cen/GaryChen
Test Standard: EN 55032
Tem./Hum./Pressure: 23.9°C/50.7%/101kPa
Remark: SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.184500	---	40.26	54.21	13.95	L1	9.6
0.188500	54.96	---	64.04	9.08	L1	9.6
0.250000	---	33.90	51.76	17.86	L1	9.6
0.254000	48.45	---	61.63	13.17	L1	9.6
0.556000	---	29.91	46.00	16.09	L1	9.7
0.556000	39.17	---	56.00	16.83	L1	9.7
3.240000	38.93	---	56.00	17.07	L1	9.9
3.244000	---	17.06	46.00	28.94	L1	9.9
4.228000	---	23.50	46.00	22.50	L1	9.9
4.228000	37.98	---	56.00	18.02	L1	9.9
24.032000	---	35.32	50.00	14.68	L1	10.4
24.032000	39.58	---	60.00	20.42	L1	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.184500	---	38.95	54.28	15.33	1000.0	9.000	L1	9.6
0.188500	52.88	---	64.10	11.23	1000.0	9.000	L1	9.6

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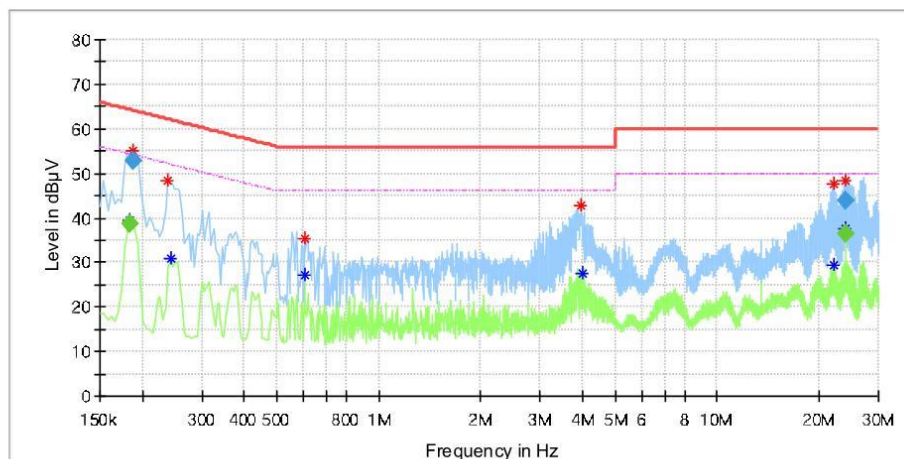
CE-DP-E244F-BK-100V-N

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
Test Mode:	DP input
Test Voltage:	AC 100V/60Hz
Test By/Review By:	Guangshen cen/GaryChen
Test Standard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.184500	---	39.37	54.21	14.85	N	9.6
0.188500	55.18	---	64.39	9.21	N	9.6
0.238000	48.35	---	62.17	13.81	N	9.6
0.242000	---	31.04	52.03	20.98	N	9.6
0.604000	---	27.17	46.00	18.83	N	9.7
0.604000	35.33	---	56.00	20.67	N	9.7
3.972000	42.79	---	56.00	13.21	N	9.9
3.984000	---	27.67	46.00	18.33	N	9.9
22.080000	---	29.36	50.00	20.64	N	10.3
22.080000	47.70	---	60.00	12.30	N	10.3
24.030500	48.25	---	60.00	11.75	N	10.5
24.034500	---	37.46	50.00	12.54	N	10.5

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.184500	---	38.86	54.28	15.42	1000.0	9.000	N	9.6
0.188500	52.68	---	64.10	11.43	1000.0	9.000	N	9.6
24.030500	43.72	---	60.00	16.28	1000.0	9.000	N	10.5
24.034500	---	36.50	50.00	13.50	1000.0	9.000	N	10.5

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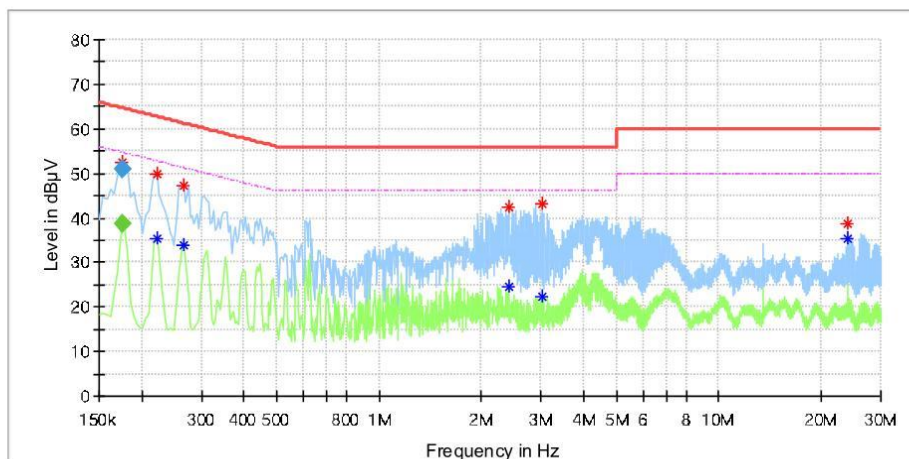
CE-DP-E244F-BK-240V-L

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	DP input
TestVoltage:	AC 240V/50Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.176500	52.47	—	64.58	12.10	L1	9.6
0.176500	—	38.67	54.58	15.91	L1	9.6
0.222000	—	35.20	52.74	17.54	L1	9.6
0.222000	49.81	—	62.74	12.93	L1	9.6
0.266000	—	33.87	51.24	17.37	L1	9.6
0.266000	47.40	—	61.24	13.84	L1	9.6
2.404000	—	24.67	46.00	21.33	L1	9.8
2.404000	42.24	—	56.00	13.76	L1	9.8
3.008000	—	22.23	46.00	23.77	L1	9.9
3.008000	43.27	—	56.00	12.73	L1	9.9
24.032000	—	35.30	50.00	14.70	L1	10.4
24.032000	38.63	—	60.00	21.37	L1	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.176500	—	38.68	54.65	15.97	1000.0	9.000	L1	9.6
0.176500	50.96	—	64.65	13.69	1000.0	9.000	L1	9.6

8/8/2022

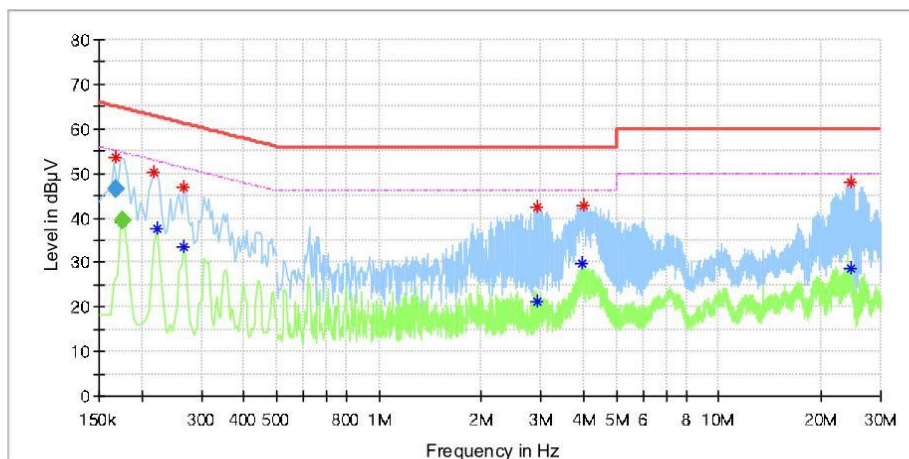
CE-DP-E244F-BK-240V-N

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	DP input
TestVoltage:	AC 240V/50Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.168500	53.58	—	64.77	11.19	N	9.6
0.176500	—	39.08	54.58	15.50	N	9.6
0.218000	50.13	—	62.90	12.76	N	9.6
0.222000	—	37.53	52.74	15.21	N	9.6
0.266000	—	33.37	51.24	17.87	N	9.6
0.266000	46.97	—	61.24	14.27	N	9.6
2.920000	42.31	—	56.00	13.69	N	9.9
2.936000	—	21.06	46.00	24.94	N	9.9
3.968000	—	29.76	46.00	16.24	N	9.9
4.000000	42.74	—	56.00	13.26	N	9.9
24.456000	—	28.47	50.00	21.53	N	10.5
24.456000	47.89	—	60.00	12.11	N	10.5

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.168500	46.38	—	65.03	18.65	1000.0	9.000	N	9.6
0.176500	—	39.55	54.65	15.09	1000.0	9.000	N	9.6

8/8/2022

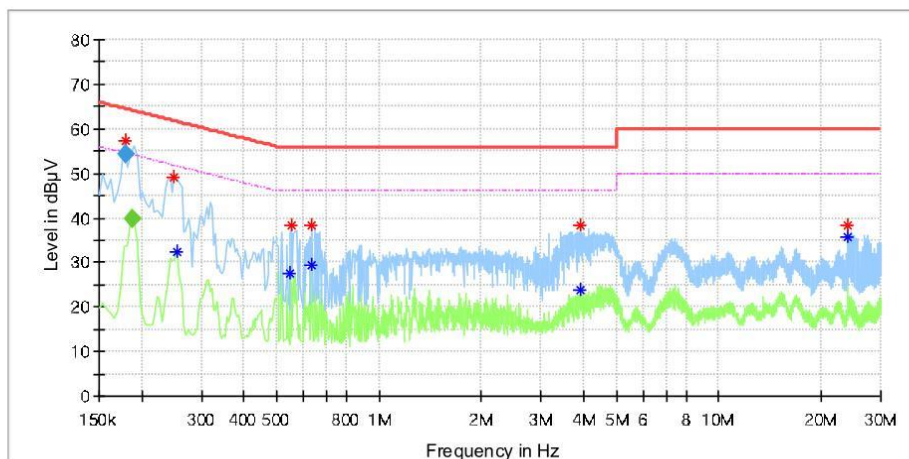
CE-HDMI-E244F-BK-100V-L

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Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 100V/60Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.180500	57.46	—	64.58	7.12	L1	9.6
0.188500	—	39.80	54.21	14.42	L1	9.6
0.250000	49.24	—	61.76	12.52	L1	9.6
0.254000	—	32.54	51.63	19.09	L1	9.6
0.548000	—	27.61	46.00	18.39	L1	9.7
0.552000	38.37	—	56.00	17.63	L1	9.7
0.636000	—	29.54	46.00	16.46	L1	9.7
0.636000	38.48	—	56.00	17.52	L1	9.7
3.908000	38.16	—	56.00	17.84	L1	9.9
3.920000	—	23.94	46.00	22.06	L1	9.9
24.032000	—	35.60	50.00	14.40	L1	10.4
24.036000	38.21	—	60.00	21.79	L1	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.180500	54.39	—	64.46	10.07	1000.0	9.000	L1	9.6
0.188500	—	39.98	54.10	14.12	1000.0	9.000	L1	9.6

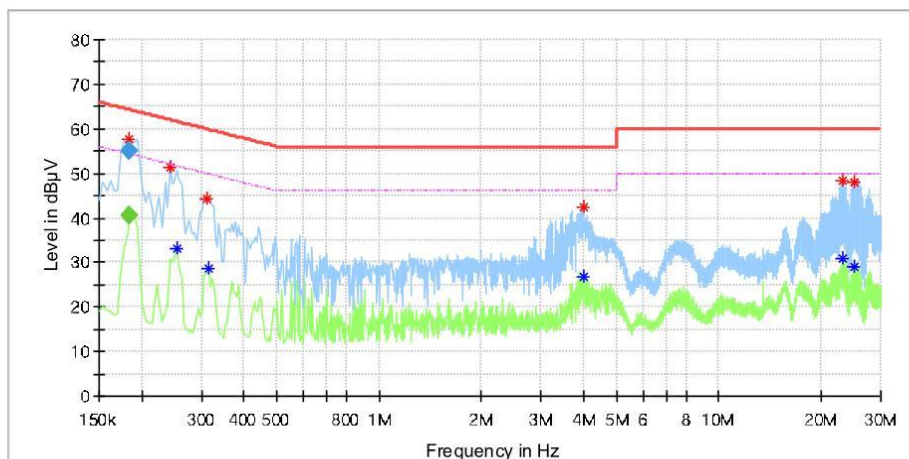
CE-HDMI-E244F-BK-100V-N

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 100V/60Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.184500	57.57	—	63.86	6.29	N	9.6
0.184500	—	40.78	54.04	13.26	N	9.6
0.242000	51.34	—	62.03	10.69	N	9.6
0.254000	—	33.08	51.63	18.55	N	9.6
0.310000	44.17	—	59.97	15.80	N	9.6
0.314000	—	28.67	49.86	21.19	N	9.6
3.984000	—	26.67	46.00	19.33	N	9.9
3.984000	42.52	—	56.00	13.48	N	9.9
23.096000	48.45	—	60.00	11.55	N	10.5
23.124000	—	30.89	50.00	19.11	N	10.5
24.984000	—	29.13	50.00	20.87	N	10.5
24.988000	48.04	—	60.00	11.96	N	10.5

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.184500	—	40.68	54.28	13.60	1000.0	9.000	N	9.6
0.184500	55.25	—	64.28	9.03	1000.0	9.000	N	9.6

8/8/2022

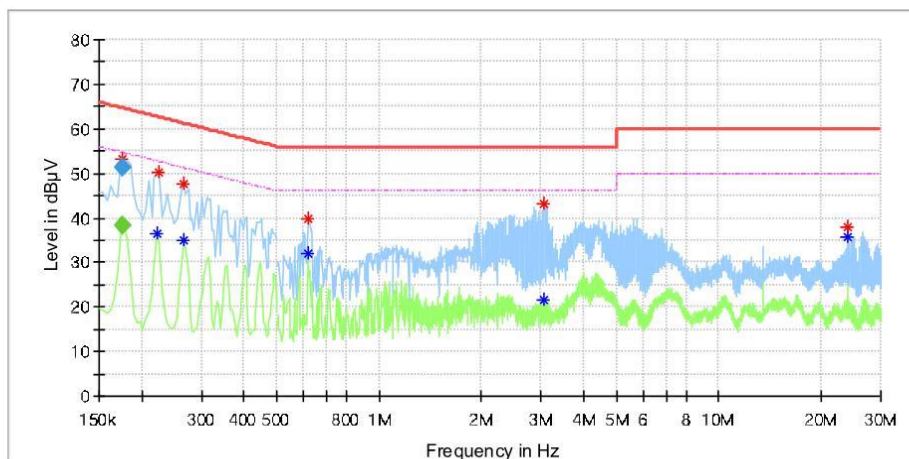
CE-HDMI-E244F-BK-240V-L

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 240V/50Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.176500	53.09	—	64.58	11.49	L1	9.6
0.176500	—	38.48	54.58	16.10	L1	9.6
0.222000	—	36.40	52.74	16.34	L1	9.6
0.226000	50.05	—	62.60	12.55	L1	9.6
0.266000	—	34.81	51.24	16.44	L1	9.6
0.266000	47.53	—	61.24	13.71	L1	9.6
0.616000	—	32.00	46.00	14.00	L1	9.7
0.616000	39.86	—	56.00	16.14	L1	9.7
3.060000	—	21.46	46.00	24.54	L1	9.9
3.060000	43.32	—	56.00	12.68	L1	9.9
24.032000	—	35.63	50.00	14.37	L1	10.4
24.032000	37.82	—	60.00	22.18	L1	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.176500	—	38.23	54.65	16.41	1000.0	9.000	L1	9.6
0.176500	51.16	—	64.65	13.48	1000.0	9.000	L1	9.6

8/8/2022

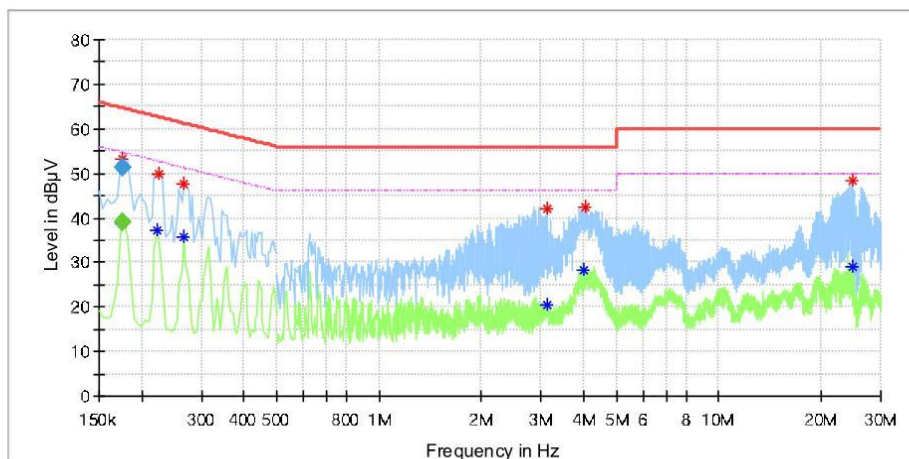
CE-HDMI-E244F-BK-240V-N

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 240V/50Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.176500	53.07	—	64.39	11.32	N	9.6
0.176500	—	38.80	54.58	15.78	N	9.6
0.222000	—	37.21	52.74	15.53	N	9.6
0.226000	49.94	—	62.60	12.66	N	9.6
0.266000	—	35.73	51.24	15.51	N	9.6
0.266000	47.65	—	61.24	13.59	N	9.6
3.120000	42.17	—	56.00	13.83	N	9.9
3.124000	—	20.39	46.00	25.61	N	9.9
3.992000	—	28.24	46.00	17.76	N	9.9
4.044000	42.34	—	56.00	13.66	N	9.9
24.688000	—	28.85	50.00	21.15	N	10.5
24.696000	48.20	—	60.00	11.80	N	10.5

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.176500	—	39.24	54.65	15.41	1000.0	9.000	N	9.6
0.176500	51.44	—	64.65	13.21	1000.0	9.000	N	9.6

8/8/2022

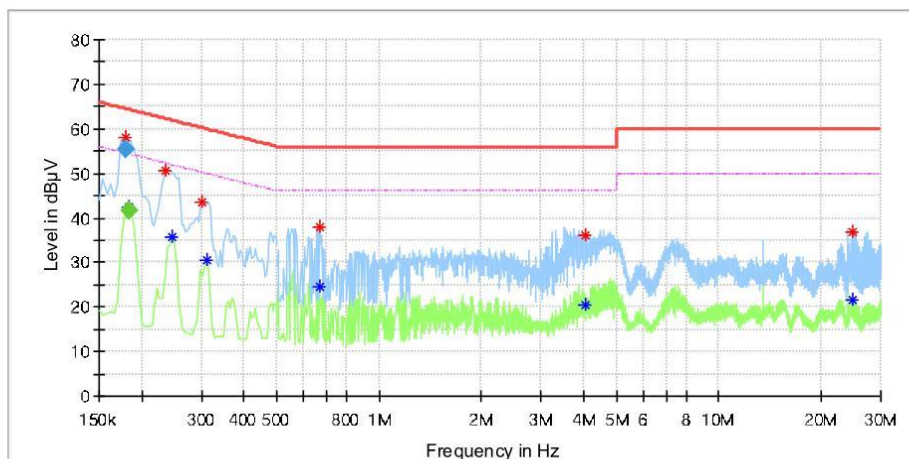
CE-VGA-E244F-BK-100V-L

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 100V/60Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.180500	58.11	—	64.58	6.47	L1	9.6
0.184500	—	42.55	54.39	11.84	L1	9.6
0.234000	50.71	—	62.31	11.60	L1	9.6
0.246000	—	35.65	51.89	16.24	L1	9.6
0.302000	43.67	—	60.19	16.52	L1	9.6
0.310000	—	30.56	49.97	19.41	L1	9.6
0.668000	—	24.49	46.00	21.51	L1	9.7
0.668000	37.82	—	56.00	18.18	L1	9.7
4.068000	—	20.33	46.00	25.67	L1	9.9
4.068000	35.95	—	56.00	20.05	L1	9.9
24.908000	—	21.50	50.00	28.50	L1	10.4
24.908000	36.89	—	60.00	23.11	L1	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.180500	55.56	—	64.46	8.91	1000.0	9.000	L1	9.6
0.184500	—	41.63	54.28	12.65	1000.0	9.000	L1	9.6

8/8/2022

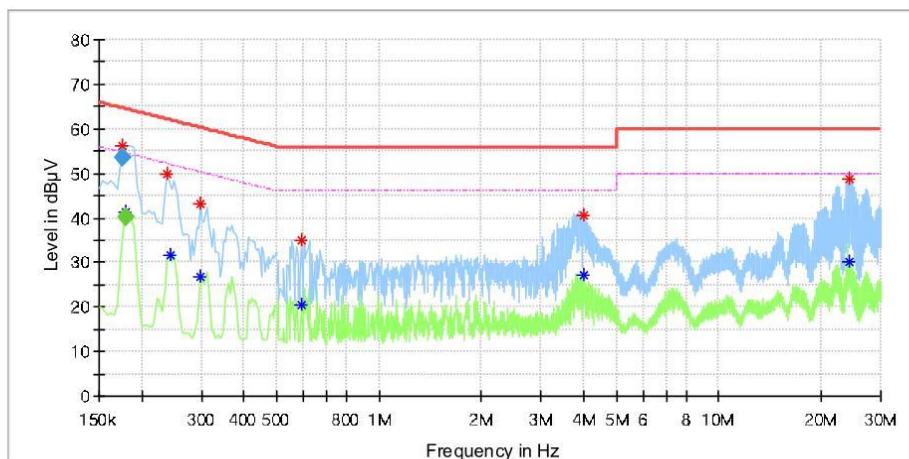
CE-VGA-E244F-BK-100V-N

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 100V/60Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.176500	56.29	—	64.21	7.92	N	9.6
0.180500	—	41.24	54.39	13.16	N	9.6
0.238000	49.80	—	62.17	12.37	N	9.6
0.242000	—	31.59	52.03	20.43	N	9.6
0.298000	—	26.74	50.30	23.56	N	9.6
0.298000	43.12	—	60.30	17.18	N	9.6
0.592000	—	20.36	46.00	25.64	N	9.7
0.592000	35.00	—	56.00	21.00	N	9.7
3.984000	—	27.30	46.00	18.70	N	9.9
4.016000	40.64	—	56.00	15.36	N	9.9
24.224000	—	30.00	50.00	20.00	N	10.5
24.224000	48.81	—	60.00	11.19	N	10.5

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.176500	53.56	—	64.65	11.08	1000.0	9.000	N	9.6
0.180500	—	40.09	54.46	14.37	1000.0	9.000	N	9.6

8/8/2022

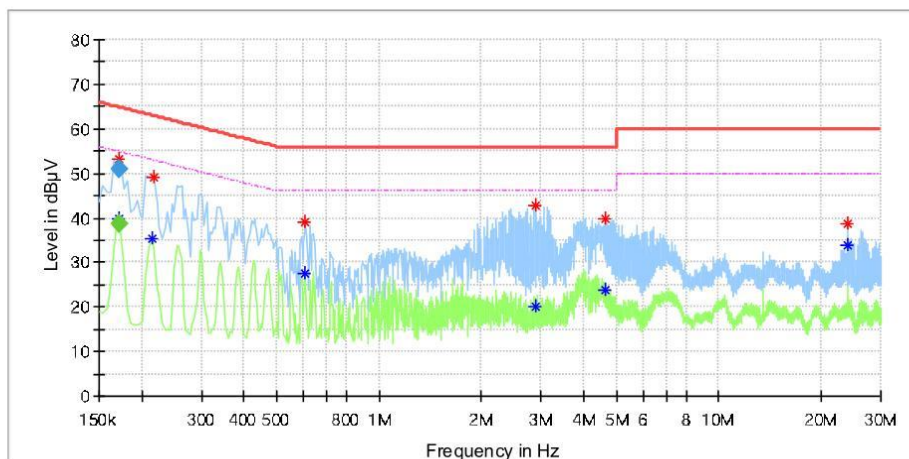
CE-VGA-E244F-BK-240V-L

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 240V/50Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.172500	—	39.71	54.96	15.25	L1	9.6
0.172500	53.31	—	65.16	11.85	L1	9.6
0.214000	—	35.52	53.05	17.53	L1	9.6
0.218000	49.19	—	62.90	13.70	L1	9.6
0.608000	—	27.64	46.00	18.36	L1	9.7
0.608000	38.98	—	56.00	17.02	L1	9.7
2.880000	—	20.09	46.00	25.91	L1	9.9
2.880000	42.97	—	56.00	13.03	L1	9.9
4.648000	—	23.95	46.00	22.05	L1	10.0
4.656000	39.69	—	56.00	16.31	L1	10.0
24.032000	—	34.01	50.00	15.99	L1	10.4
24.032000	38.52	—	60.00	21.48	L1	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.172500	—	38.61	54.84	16.23	1000.0	9.000	L1	9.6
0.172500	51.07	—	64.84	13.77	1000.0	9.000	L1	9.6

8/8/2022

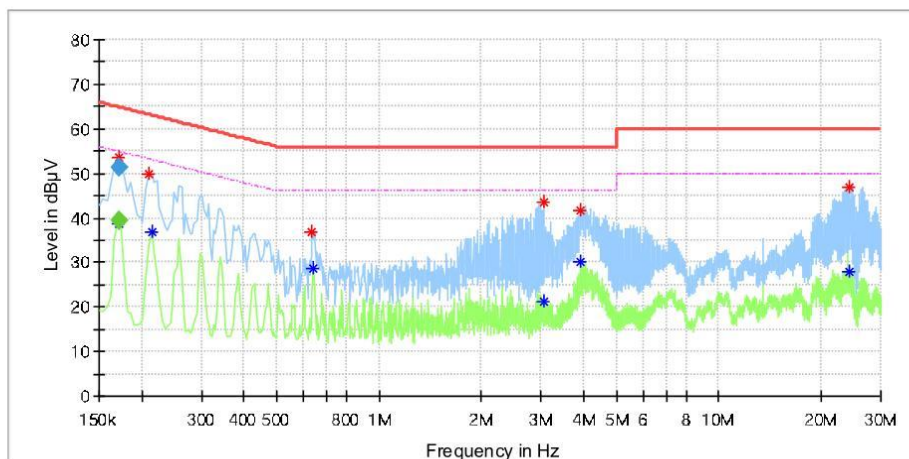
CE-VGA-E244F-BK-240V-N

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order No:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 240V/50Hz
TestBy/Review By:	Guangshen cen/GaryChen
TestStandard:	EN 55032
Tem./Hum./Pressure:	23.9°C/50.7%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.172500	53.65	—	64.96	11.31	N	9.6
0.172500	—	38.71	54.77	16.06	N	9.6
0.210000	49.79	—	63.21	13.41	N	9.6
0.214000	—	36.79	53.05	16.26	N	9.6
0.636000	36.72	—	56.00	19.28	N	9.7
0.640000	—	28.75	46.00	17.25	N	9.7
3.048000	—	21.28	46.00	24.72	N	9.9
3.048000	43.70	—	56.00	12.30	N	9.9
3.936000	—	29.97	46.00	16.03	N	9.9
3.936000	41.76	—	56.00	14.24	N	9.9
24.184000	—	27.95	50.00	22.05	N	10.5
24.184000	46.85	—	60.00	13.15	N	10.5

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.172500	—	39.56	54.84	15.28	1000.0	9.000	N	9.6
0.172500	51.50	—	64.84	13.34	1000.0	9.000	N	9.6

8/8/2022

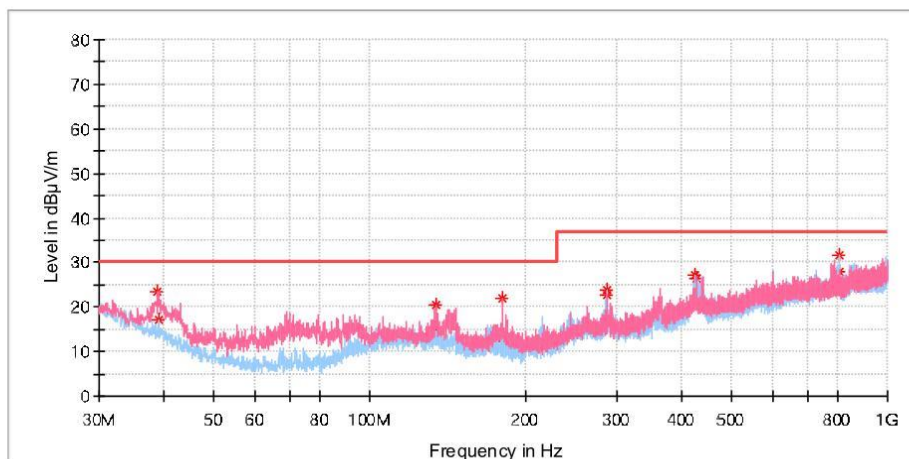
RE DP- E244F-BK-100V

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Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	DP input
TestVoltage:	AC 120V/60Hz
Standard:	EN55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.945556	23.59	30.00	6.41	100.0	V	0.0	-9.3
39.053333	17.09	30.00	12.91	200.0	H	0.0	-14.8
133.197222	15.35	30.00	14.65	200.0	H	199.0	-16.0
134.544444	20.60	30.00	9.40	100.0	V	141.0	-10.5
179.972778	21.97	30.00	8.03	100.0	V	53.0	-12.3
180.026667	12.95	30.00	17.05	200.0	H	0.0	-18.3
287.966111	23.82	37.00	13.18	200.0	H	221.0	-14.0
288.020000	22.56	37.00	14.44	100.0	V	216.0	-8.3
424.089444	27.02	37.00	9.98	200.0	H	2.0	-10.0
428.777778	26.60	37.00	10.40	100.0	V	46.0	-3.9
806.053889	31.63	37.00	5.37	100.0	H	31.0	-4.5
806.592778	27.98	37.00	9.02	200.0	V	0.0	0.2

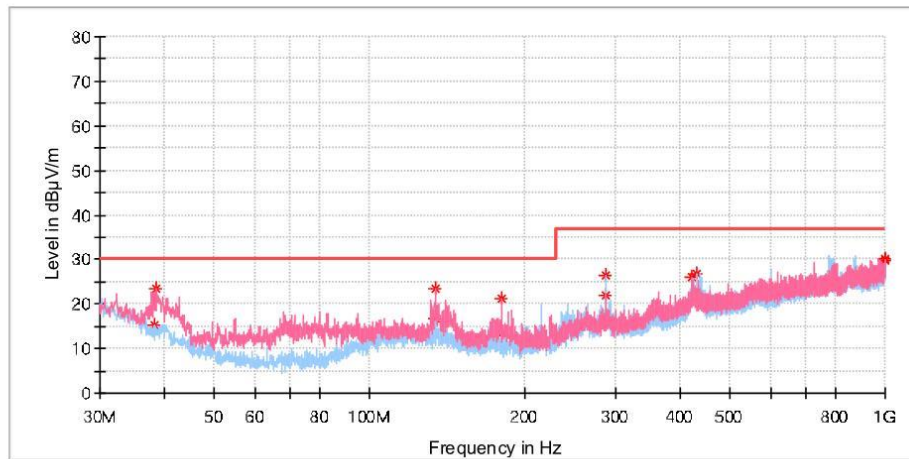
RE DP- E244F-BK-240V

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
Test Mode:	DP input
Test Voltage:	AC 240V/50Hz
Standard:	EN 55032
Test By/Review By:	Guangshen cen/Gary Chen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.406667	15.19	30.00	14.81	100.0	H	256.0	-14.5
38.622222	23.43	30.00	6.57	100.0	V	45.0	-9.1
134.005556	16.80	30.00	13.20	200.0	H	176.0	-16.1
134.167222	23.27	30.00	6.73	100.0	V	115.0	-10.5
179.972778	21.12	30.00	8.88	100.0	V	52.0	-12.3
180.727222	13.30	30.00	16.70	200.0	H	0.0	-18.3
287.966111	26.59	37.00	10.41	200.0	H	193.0	-14.0
288.020000	21.98	37.00	15.02	100.0	V	216.0	-8.3
422.688333	26.09	37.00	10.91	100.0	V	70.0	-3.9
431.903333	26.73	37.00	10.27	200.0	H	142.0	-10.0
999.838333	29.87	37.00	7.13	200.0	H	107.0	-2.4
1000.000000	30.25	37.00	6.75	200.0	V	33.0	3.4

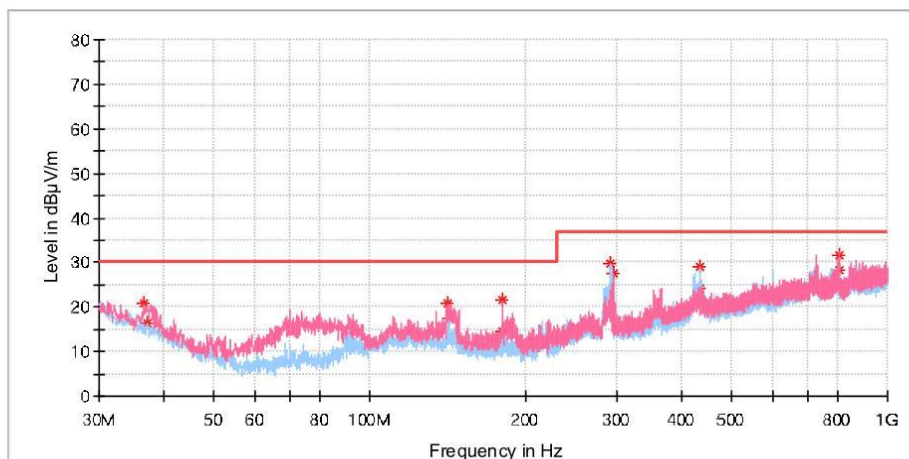
RE HDMI- E244F-BK-100V

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 100V/60Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.682222	20.86	30.00	9.14	100.0	V	313.0	-8.1
37.059444	16.48	30.00	13.52	100.0	H	52.0	-13.8
141.603889	20.89	30.00	9.11	200.0	V	108.0	-10.8
142.142778	17.42	30.00	12.58	200.0	H	28.0	-16.7
179.972778	21.47	30.00	8.53	100.0	V	0.0	-12.3
180.026667	14.57	30.00	15.43	200.0	H	306.0	-18.3
292.438889	29.82	37.00	7.18	200.0	H	357.0	-13.8
296.696111	27.66	37.00	9.34	100.0	V	208.0	-8.1
433.897222	24.27	37.00	12.73	100.0	V	34.0	-4.0
434.975000	29.15	37.00	7.85	200.0	H	119.0	-10.0
806.161667	31.48	37.00	5.52	200.0	V	0.0	0.2
806.916111	28.25	37.00	8.75	100.0	H	0.0	-4.5

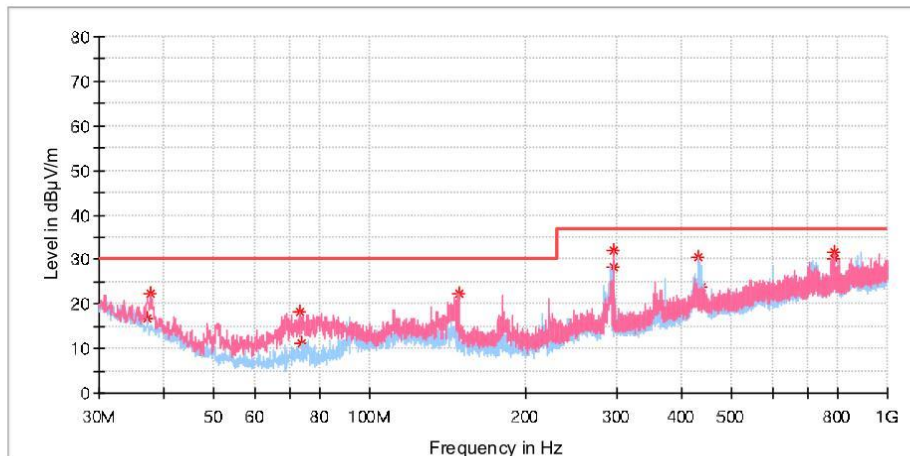
RE HDMI- E244F-BK-240V

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Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 240V/50Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.167222	16.92	30.00	13.08	100.0	H	2.0	-13.8
37.652222	22.27	30.00	7.73	100.0	V	41.0	-8.6
73.111111	18.07	30.00	11.93	100.0	V	339.0	-16.6
73.973333	11.19	30.00	18.81	200.0	H	0.0	-21.8
147.477778	13.55	30.00	16.45	200.0	H	268.0	-17.0
148.340000	22.51	30.00	7.49	100.0	V	350.0	-11.3
296.696111	32.12	37.00	4.88	100.0	V	213.0	-8.1
296.750000	28.35	37.00	8.65	200.0	H	215.0	-13.7
431.580000	30.58	37.00	6.42	100.0	H	230.0	-10.0
438.477778	23.94	37.00	13.06	200.0	V	112.0	-3.9
788.486111	31.47	37.00	5.53	200.0	V	10.0	0.2
788.863333	29.96	37.00	7.04	100.0	H	27.0	-4.5

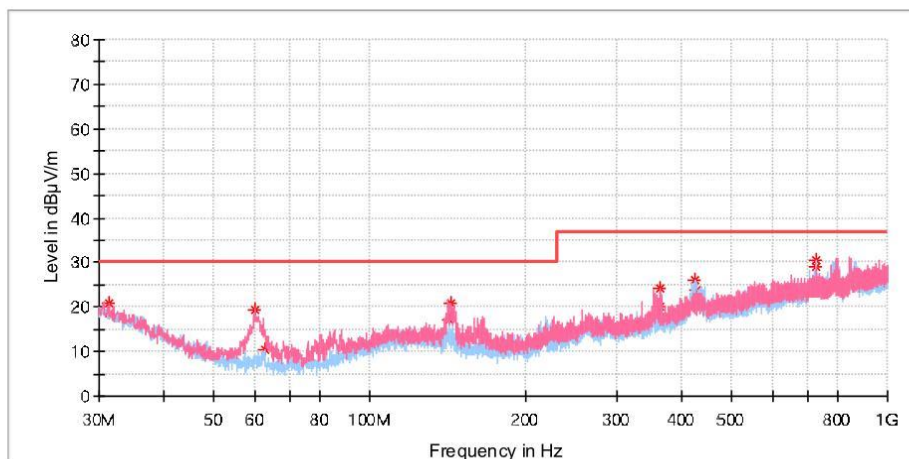
RE VGA- E244F-BK-100V

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 100V/60Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.347222	20.83	30.00	9.17	200.0	V	113.0	-5.2
31.401111	18.48	30.00	11.52	200.0	H	84.0	-10.5
59.962222	19.44	30.00	10.56	100.0	V	3.0	-16.6
62.602778	10.54	30.00	19.46	200.0	H	244.0	-22.1
142.681667	17.20	30.00	12.80	200.0	H	62.0	-16.7
143.005000	20.77	30.00	9.23	100.0	V	112.0	-10.8
364.650000	24.31	37.00	12.69	100.0	V	192.0	-5.9
365.027222	20.25	37.00	16.75	200.0	H	221.0	-12.0
426.245000	26.17	37.00	10.83	100.0	H	0.0	-10.0
428.939444	23.98	37.00	13.02	100.0	V	42.0	-3.9
725.597778	30.52	37.00	6.48	100.0	H	23.0	-5.0
729.262222	28.97	37.00	8.03	200.0	V	210.0	-0.1

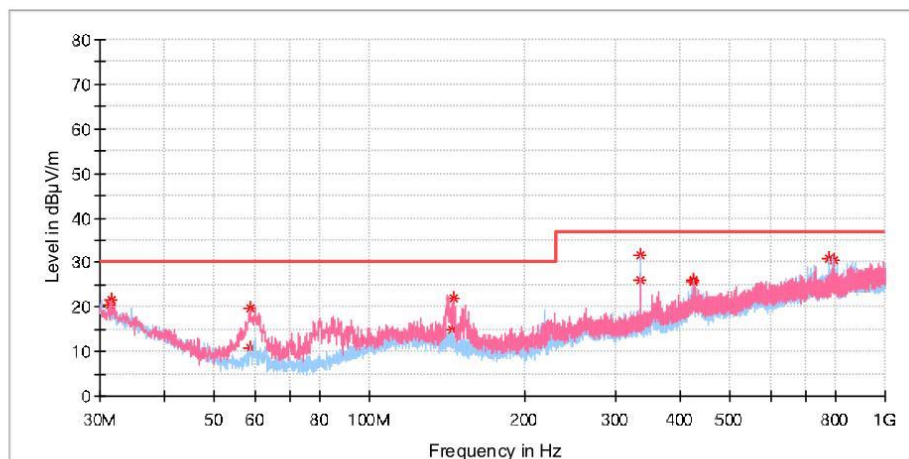
RE VGA- E244F-BK-240V

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 240V/50Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.347222	20.34	30.00	9.66	200.0	H	318.0	-10.4
31.508889	21.51	30.00	8.49	200.0	V	144.0	-5.3
58.722778	19.87	30.00	10.13	100.0	V	315.0	-16.6
58.776667	10.77	30.00	19.23	200.0	H	252.0	-21.8
144.729444	14.79	30.00	15.21	200.0	H	53.0	-16.8
145.968889	21.98	30.00	8.02	100.0	V	34.0	-11.2
336.088889	26.02	37.00	10.98	100.0	V	203.0	-7.2
336.142778	31.81	37.00	5.19	200.0	H	36.0	-13.0
423.227222	25.61	37.00	11.39	100.0	V	67.0	-3.9
424.197222	25.92	37.00	11.08	200.0	H	0.0	-10.0
777.546667	30.91	37.00	6.09	100.0	H	298.0	-4.5
792.689444	30.59	37.00	6.41	200.0	V	0.0	0.1

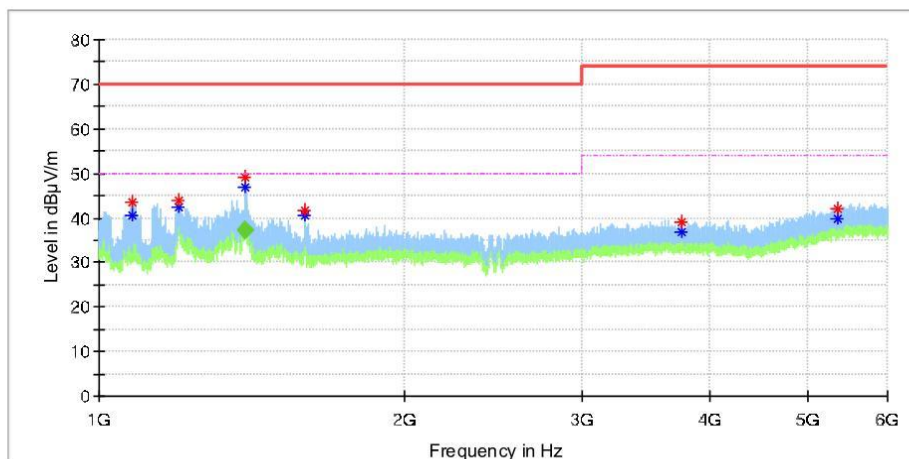
RE-1-6G-DP-E244F-BK-100V-H

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	DP input
TestVoltage:	AC 100V/60Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1077.500000	---	40.47	50.00	9.53	100.0	H	339.0	-6.9
1077.500000	43.46	---	70.00	26.54	100.0	H	339.0	-6.9
1199.791667	44.01	---	70.00	25.99	100.0	H	49.0	-6.3
1199.791667	---	42.45	50.00	7.55	100.0	H	49.0	-6.3
1394.441667	---	47.03	50.00	2.95	200.0	H	282.0	-5.7
1396.041667	49.22	---	70.00	20.78	200.0	H	260.0	-5.7
1598.541667	---	40.53	50.00	9.47	200.0	H	177.0	-4.8
1598.750000	41.57	---	70.00	28.43	200.0	H	177.0	-4.8
3760.833333	---	36.75	54.00	17.25	200.0	H	250.0	3.4
3760.833333	38.98	---	74.00	35.02	200.0	H	250.0	3.4
5349.791667	42.01	---	74.00	31.99	200.0	H	146.0	9.1
5349.791667	---	39.74	54.00	14.26	200.0	H	146.0	9.1

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1394.441667	---	37.14	50.00	12.86	1000.0	200.0	H	282.0	-5.7

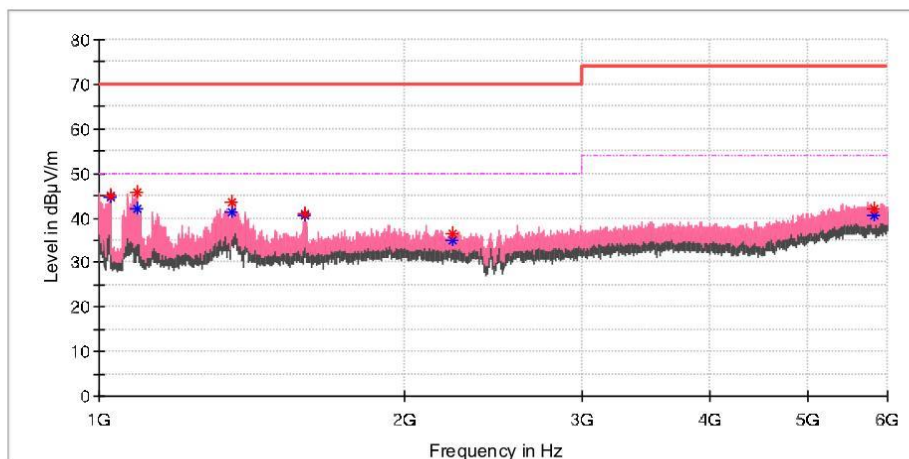
RE-1-6G-DP-E244F-BK-100V-V

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
Test Mode:	DP input
Test Voltage:	AC 100V/60Hz
Standard:	EN 55032
Test By:/Review By:	Guangshen cen/Gary Chen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1025.625000	---	44.47	50.00	5.53	100.0	V	14.0	-7.0
1025.625000	45.20	---	70.00	24.80	100.0	V	14.0	-7.0
1088.958333	45.80	---	70.00	24.20	100.0	V	331.0	-6.9
1088.958333	---	42.18	50.00	7.82	100.0	V	331.0	-6.9
1354.791667	---	41.16	50.00	8.84	100.0	V	336.0	-5.8
1354.791667	43.38	---	70.00	26.62	100.0	V	336.0	-5.8
1596.875000	41.10	---	70.00	28.91	200.0	V	0.0	-4.8
1596.875000	---	40.65	50.00	9.35	200.0	V	0.0	-4.8
2231.875000	---	35.03	50.00	14.97	100.0	V	321.0	-3.0
2231.875000	36.34	---	70.00	33.66	100.0	V	321.0	-3.0
5831.041667	---	40.49	54.00	13.51	100.0	V	66.0	10.1
5831.041667	42.12	---	74.00	31.88	100.0	V	66.0	10.1

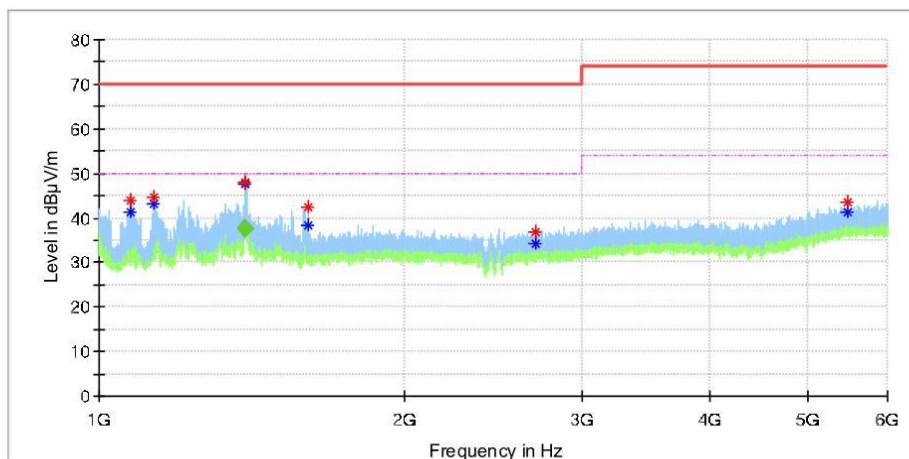
RE-1-6G-DP-E244F-BK-240V-H

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Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	DP input
TestVoltage:	AC 240V/50Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1073.958333	43.74	---	70.00	26.26	100.0	H	358.0	-6.9
1073.958333	---	41.28	50.00	8.72	100.0	H	358.0	-6.9
1132.291667	44.80	---	70.00	25.20	200.0	H	355.0	-6.7
1132.291667	---	43.29	50.00	6.71	200.0	H	355.0	-6.7
1395.133333	---	47.49	50.00	2.51	200.0	H	53.0	-5.7
1395.833333	48.12	---	70.00	21.88	200.0	H	109.0	-5.7
1606.458333	42.30	---	70.00	27.70	100.0	H	64.0	-4.8
1606.458333	---	38.40	50.00	11.60	100.0	H	64.0	-4.8
2695.625000	---	34.24	50.00	15.76	100.0	H	240.0	-1.5
2695.625000	36.87	---	70.00	33.13	100.0	H	240.0	-1.5
5483.958333	---	41.27	54.00	12.73	200.0	H	82.0	9.8
5483.958333	43.43	---	74.00	30.57	200.0	H	82.0	9.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1395.133333	---	37.63	50.00	12.37	1000.0	200.0	H	53.0	-5.7

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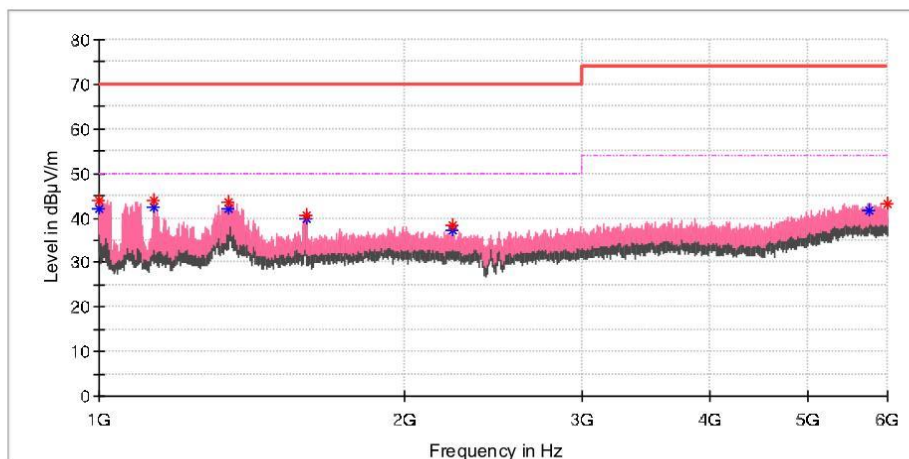
RE-1-6G-DP-E244F-BK-240V-V

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Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
Test Mode:	DP input
Test Voltage:	AC 240V/50Hz
Standard:	EN 55032
Test By:/Review By:	Guangshen cen/Gary Chen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1000.833333	---	42.21	50.00	7.79	100.0	V	11.0	-7.2
1001.666667	44.07	---	70.00	25.93	100.0	V	21.0	-7.2
1131.875000	---	42.48	50.00	7.52	100.0	V	328.0	-6.7
1131.875000	44.00	---	70.00	26.00	100.0	V	328.0	-6.7
1344.375000	---	42.13	50.00	7.87	100.0	V	5.0	-5.8
1344.375000	43.60	---	70.00	26.40	100.0	V	5.0	-5.8
1599.583333	---	39.99	50.00	10.01	200.0	V	179.0	-4.8
1599.583333	40.72	---	70.00	29.28	200.0	V	179.0	-4.8
2234.166667	38.36	---	70.00	31.64	100.0	V	311.0	-3.0
2234.166667	---	37.19	50.00	12.81	100.0	V	311.0	-3.0
5762.500000	---	41.77	54.00	12.23	100.0	V	216.0	10.1
5990.000000	43.12	---	74.00	30.88	200.0	V	220.0	10.2

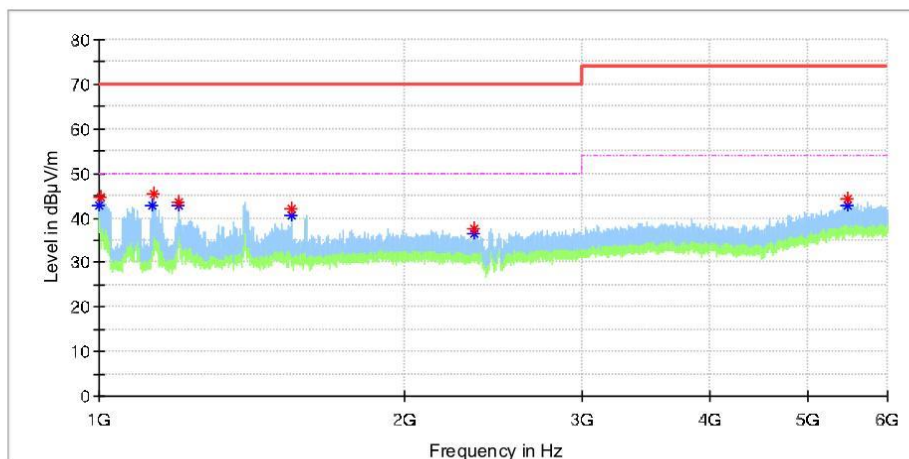
RE-1-6G-HDMI-E244F-BK-100V-H

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Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 100V/60Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1000.833333	---	42.72	50.00	7.28	200.0	H	0.0	-7.2
1002.916667	44.83	---	70.00	25.17	100.0	H	94.0	-7.2
1130.208333	---	42.74	50.00	7.26	200.0	H	41.0	-6.7
1130.833333	45.32	---	70.00	24.68	200.0	H	37.0	-6.7
1197.291667	---	42.83	50.00	7.17	100.0	H	178.0	-6.3
1197.291667	43.54	---	70.00	26.46	100.0	H	178.0	-6.3
1550.625000	---	40.50	50.00	9.50	200.0	H	336.0	-5.1
1550.625000	41.89	---	70.00	28.11	200.0	H	336.0	-5.1
2343.125000	37.74	---	70.00	32.26	100.0	H	323.0	-2.8
2343.125000	---	36.34	50.00	13.66	100.0	H	323.0	-2.8
5472.500000	44.35	---	74.00	29.65	100.0	H	124.0	9.8
5472.500000	---	42.91	54.00	11.09	100.0	H	124.0	9.8

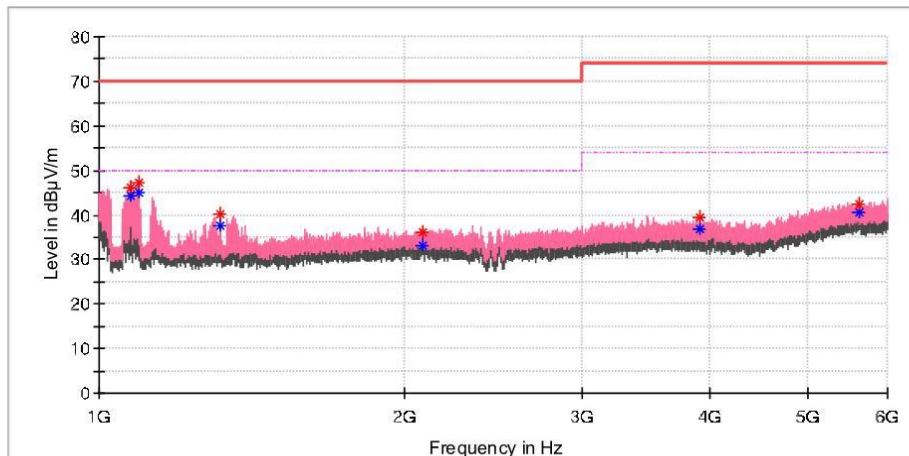
RE-1-6G-HDMI-E244F-BK-100V-V

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 100V/60Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1072.708333	46.12	---	70.00	23.88	100.0	V	0.0	-6.9
1072.708333	---	44.17	50.00	5.83	100.0	V	0.0	-6.9
1095.625000	---	45.16	50.00	4.84	100.0	V	339.0	-6.9
1095.625000	47.44	---	70.00	22.56	100.0	V	339.0	-6.9
1315.416667	---	37.54	50.00	12.46	100.0	V	332.0	-5.9
1315.416667	40.34	---	70.00	29.66	100.0	V	332.0	-5.9
2083.125000	---	33.12	50.00	16.88	200.0	V	46.0	-3.1
2083.333333	36.04	---	70.00	33.96	100.0	V	345.0	-3.1
3922.291667	---	36.70	54.00	17.30	100.0	V	40.0	3.8
3922.291667	39.61	---	74.00	34.39	100.0	V	40.0	3.8
5622.708333	---	40.71	54.00	13.29	200.0	V	274.0	10.0
5622.916667	42.44	---	74.00	31.56	100.0	V	56.0	10.0

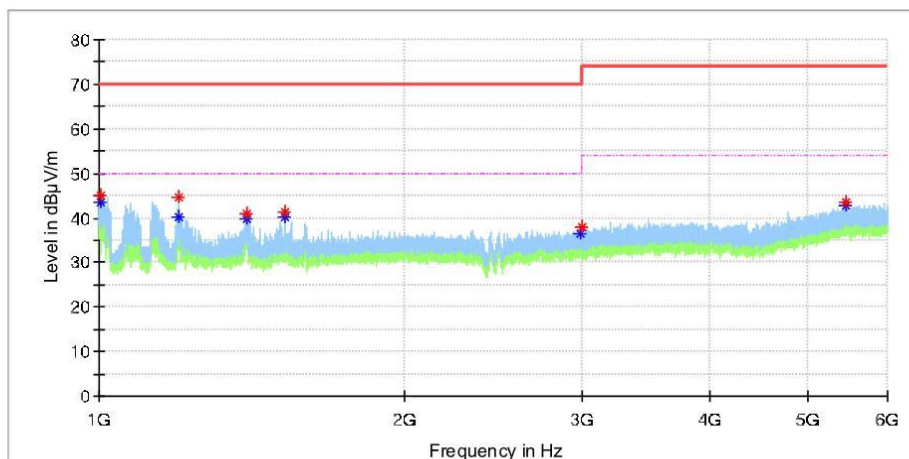
RE-1-6G-HDMI-E244F-BK-240V-H

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Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	HDMI input
TestVoltage:	AC 240V/50Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1002.291667	45.16	---	70.00	24.84	100.0	H	96.0	-7.2
1002.291667	---	43.39	50.00	6.61	100.0	H	96.0	-7.2
1198.333333	44.74	---	70.00	25.26	200.0	H	184.0	-6.3
1198.333333	---	40.22	50.00	9.78	200.0	H	184.0	-6.3
1400.000000	---	39.94	50.00	10.06	100.0	H	301.0	-5.7
1400.000000	40.81	---	70.00	29.19	100.0	H	301.0	-5.7
1526.458333	---	40.07	50.00	9.93	200.0	H	184.0	-5.1
1526.458333	41.26	---	70.00	28.74	200.0	H	184.0	-5.1
2987.916667	---	36.33	50.00	13.67	100.0	H	153.0	0.1
2997.500000	37.92	---	70.00	32.08	100.0	H	117.0	0.1
5461.041667	43.67	---	74.00	30.33	100.0	H	0.0	9.7
5461.041667	---	42.93	54.00	11.07	100.0	H	0.0	9.7

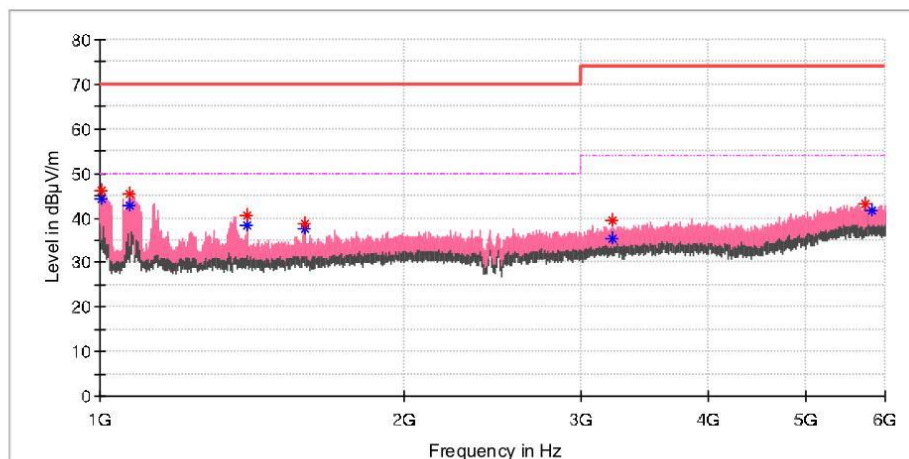
RE-1-6G-HDMI-E244F-BK-240V-V

1 / 1

Test Report

EUT Information

EUT Name: Desktop Monitor
Order Number:
Model: E244F-BK
Test Mode: HDMI input
Test Voltage: AC 240V/50Hz
Standard: EN 55032
Test By/Review By: Guangshen cen/Gary Chen
Tem./Hum./Pressure: 24.2°C/49.3%/101kPa
Remark: 10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1005.625000	---	44.37	50.00	5.63	100.0	V	339.0	-7.1
1005.625000	46.15	---	70.00	23.85	100.0	V	339.0	-7.1
1069.583333	---	42.76	50.00	7.24	100.0	V	358.0	-7.0
1069.583333	45.42	---	70.00	24.58	100.0	V	358.0	-7.0
1397.708333	40.48	---	70.00	29.52	200.0	V	16.0	-5.7
1397.708333	---	38.19	50.00	11.81	200.0	V	16.0	-5.7
1596.666667	---	37.50	50.00	12.50	200.0	V	183.0	-4.8
1596.666667	38.68	---	70.00	31.32	200.0	V	183.0	-4.8
3214.791667	---	35.52	54.00	18.48	100.0	V	344.0	1.2
3214.791667	39.44	---	74.00	34.56	100.0	V	344.0	1.2
5731.458333	43.00	---	74.00	31.00	200.0	V	94.0	10.0
5825.000000	---	41.66	54.00	12.34	200.0	V	16.0	10.1

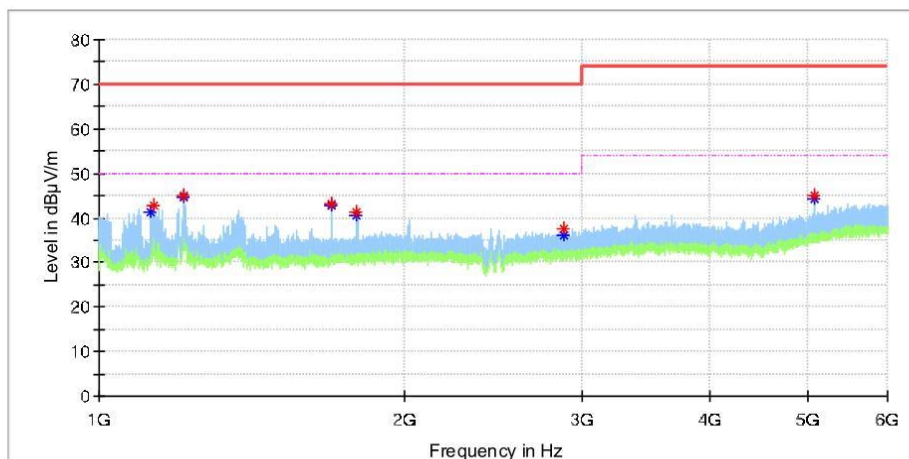
RE-1-6G-VGA-E244F-BK-100V-H

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 100V/60Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1125.833333	---	41.35	50.00	8.65	200.0	H	34.0	-6.7
1131.458333	42.71	---	70.00	27.29	200.0	H	0.0	-6.7
1213.333333	---	44.49	50.00	5.51	100.0	H	172.0	-6.3
1213.541667	45.08	---	70.00	24.92	100.0	H	172.0	-6.3
1694.166667	43.13	---	70.00	26.87	100.0	H	318.0	-4.5
1694.166667	---	42.65	50.00	7.35	100.0	H	318.0	-4.5
1791.875000	41.44	---	70.00	28.56	100.0	H	302.0	-4.0
1791.875000	---	40.44	50.00	9.56	100.0	H	302.0	-4.0
2878.541667	---	36.13	50.00	13.87	100.0	H	245.0	-0.6
2878.541667	37.53	---	70.00	32.47	100.0	H	245.0	-0.6
5082.083333	44.92	---	74.00	29.08	200.0	H	304.0	8.0
5082.083333	---	44.18	54.00	9.82	200.0	H	304.0	8.0

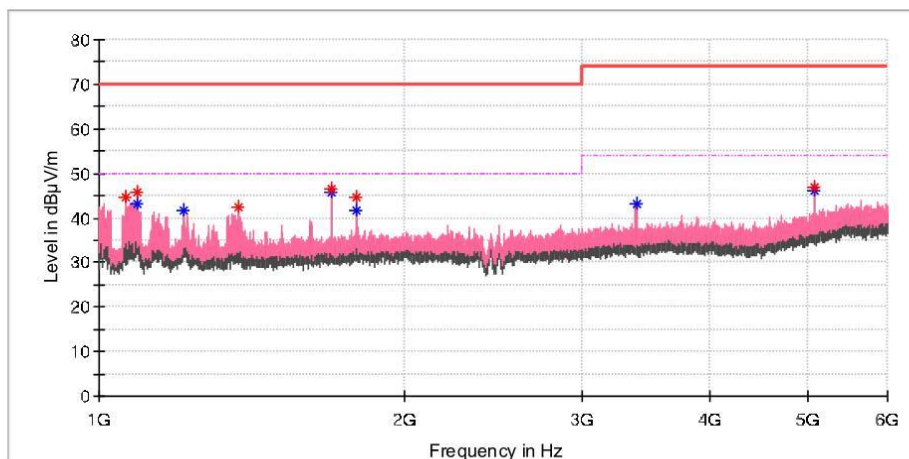
RE-1-6G-VGA-E244F-BK-100V-V

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 100V/60Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1371.250000	42.29	---	70.00	27.71	100.0	V	0.0	-5.8
1693.958333	46.35	---	70.00	23.65	100.0	V	0.0	-4.5
1693.958333	---	45.88	50.00	4.12	100.0	V	0.0	-4.5
1796.666667	---	41.54	50.00	8.46	100.0	V	2.0	-4.0
1796.666667	44.74	---	70.00	25.26	100.0	V	2.0	-4.0
1212.916667	---	41.65	50.00	8.35	100.0	V	231.0	-6.3
5082.083333	46.94	---	74.00	27.06	100.0	V	331.0	8.0
5082.083333	---	46.14	54.00	7.86	100.0	V	331.0	8.0
1090.208333	45.92	---	70.00	24.08	100.0	V	341.0	-6.9
1090.208333	---	43.17	50.00	6.83	100.0	V	341.0	-6.9
1063.333333	44.76	---	70.00	25.24	100.0	V	347.0	-7.0
3388.333333	---	43.17	54.00	10.83	200.0	V	54.0	2.1

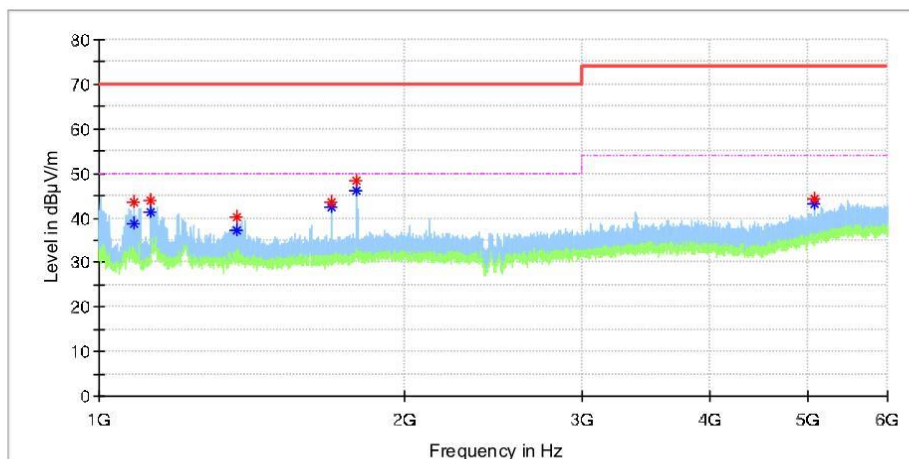
RE-1-6G-VGA-E244F-BK-240V-H

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 240V/50Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1081.875000	---	38.86	50.00	11.14	200.0	H	338.0	-6.9
1081.875000	43.69	---	70.00	26.31	200.0	H	338.0	-6.9
1125.208333	---	41.42	50.00	8.58	100.0	H	26.0	-6.7
1125.208333	43.87	---	70.00	26.13	100.0	H	26.0	-6.7
1367.083333	---	37.19	50.00	12.81	200.0	H	146.0	-5.8
1367.083333	40.17	---	70.00	29.83	200.0	H	146.0	-5.8
1694.166667	---	42.47	50.00	7.53	100.0	H	68.0	-4.5
1694.166667	43.67	---	70.00	26.33	100.0	H	68.0	-4.5
1794.166667	48.20	---	70.00	21.80	200.0	H	302.0	-4.0
1794.166667	---	45.97	50.00	4.03	200.0	H	302.0	-4.0
5082.083333	---	43.29	54.00	10.71	100.0	H	321.0	8.0
5082.083333	44.35	---	74.00	29.65	100.0	H	321.0	8.0

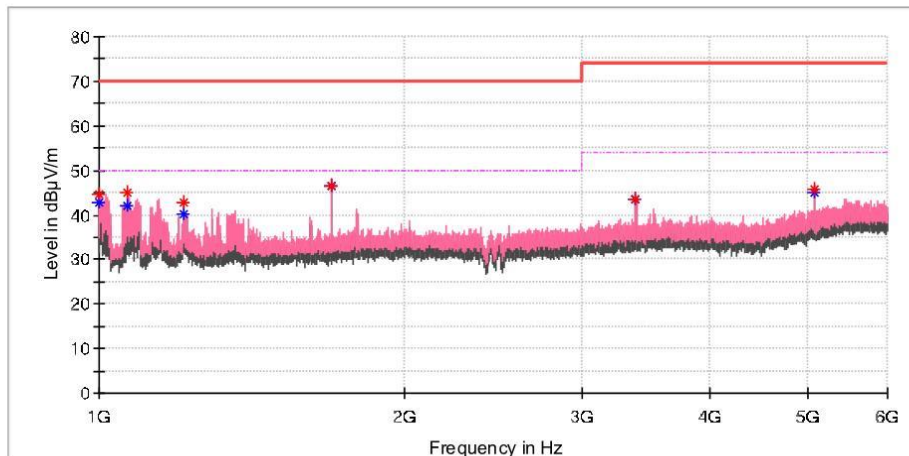
RE-1-6G-VGA-E244F-BK-240V-V

1 / 1

Test Report

EUT Information

EUT Name:	Desktop Monitor
Order Number:	
Model:	E244F-BK
TestMode:	VGA+PC Audio in
TestVoltage:	AC 240V/50Hz
Standard:	EN 55032
TestBy:/Review By:	Guangshen cen/GaryChen
Tem./Hum./Pressure:	24.2°C/49.3%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1001.666667	---	42.79	50.00	7.21	100.0	V	184.0	-7.2
1001.666667	44.80	---	70.00	25.20	100.0	V	184.0	-7.2
1067.916667	---	42.11	50.00	7.89	100.0	V	345.0	-7.0
1067.916667	44.86	---	70.00	25.14	100.0	V	345.0	-7.0
1210.833333	---	40.22	50.00	9.78	100.0	V	0.0	-6.3
1210.833333	42.87	---	70.00	27.13	100.0	V	0.0	-6.3
1693.958333	46.62	---	70.00	23.38	100.0	V	0.0	-4.5
1693.958333	---	46.41	50.00	3.59	100.0	V	0.0	-4.5
3388.125000	---	43.42	54.00	10.58	200.0	V	3.0	2.1
3388.125000	43.63	---	74.00	30.37	200.0	V	3.0	2.1
5082.291667	---	44.88	54.00	9.12	100.0	V	339.0	8.0
5082.291667	45.70	---	74.00	28.30	100.0	V	339.0	8.0

Measurement Uncertainties

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Table 1: Measurement Uncertainty levels

Test	Parameters	Expanded uncertainty (U_{lab})	Expanded uncertainty (U_{cisp})
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 3.70 dB ± 3.30 dB	± 3.8 dB ± 3.4 dB
Disturbance Power	Level accuracy (30MHz to 300MHz)	± 4.27 dB	± 4.5 dB
Electromagnetic Radiated Emission (Triple-loop)	Level accuracy (9kHz to 30MHz)	± 2.67 dB	N/A
Radiated Emission (3m SAC)	Level accuracy (30MHz to 1000MHz)	± 4.52 dB	± 6.3 dB
	Level accuracy (above 1000MHz)	± 4.37 dB	N/A
Radiated Emission (10m SAC)	Level accuracy (30MHz to 1000MHz)	± 4.66 dB	± 6.3 dB
	Level accuracy (above 1000MHz)	± 4.35 dB	N/A
Mains Harmonic	Current	$\pm 4.60\%$	N/A
Voltage Fluctuations & Flicker	Voltage	$\pm 0.64\%$	N/A

As U_{lab} in all applicable tests listed above are less than U_{cisp} according to CISPR 16-4-2:2011,

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.