RF Exposure Evaluation

Applicant	:	VITA ELECTRONICS LTD
Product	:	PUBLIC VIEW MONITOR & 32” TFT LCD COLOR MONITOR
Brand	:	Clinton Electronics
Model	:	CE-P32E-B, CE-P32XXXXXXXXXX
FCC ID	:	2AVEA-P32-7001

In accordance with

FCC rule Part §1.1310

RESPONSIBLE FOR	NAME	SIGNATURE	DATE
Approved By	**Jack Chang**		**2026-03-25**
Prepared By	**Ariel Hsu**		**2026-03-25**

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD Product Service control rules.

EXECUTIVE SUMMARY

TÜV SÜD Asia Ltd., reports apply only to the specific samples tested under stated test conditions. Construction of the actual test samples has been documented. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. The manufacturer/importer is responsible to the Competent Authorities for any modifications made to the production units which result in non-compliance to the relevant regulations. TÜV SÜD Asia Ltd. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD Asia Ltd. issued reports.

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1 General Information

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

History of this test report

Issue	Description of Change	Date of Issue
1	Initial Issue	2026-03-25

1.2 Introduction

The information contained in this report is intended to show verification of RF qualification approval. The testing requirements of the standards for the tests listed in Section 1.5.

Applicant	:	VITA ELECTRONICS LTD
Address	:	5F., No. 103, Chou Tze St., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
Manufacturer	:	VITA ELECTRONICS LTD
Brand Name	:	Clinton Electronics
Product Name	:	PUBLIC VIEW MONITOR & 32” TFT LCD COLOR MONITOR
Model Number(s)	:	CE-P32E-B, CE-P32XXXXXXXXXX
Date of Receipt of EUT	:	2026-02-06
Start of Test	:	2026-02-10
Finish of Test	:	2026-03-06
Test Laboratory	:	TÜV SÜD Asia Ltd., Taiwan Branch 7F., No. 37, Sec. 2, Zhongyang S. Rd., Beitou District, Taipei City 11270, R.O.C. Taiwan
Test Location	:	Guishan Laboratory No. 31, Dinghu Road, Guishan District, Taoyuan City, TAIWAN (R.O.C.)

The test facility is accredited by TAF (member of ILAC), under number 2573 according to ISO/IEC 17025: 2017.

FCC OET Designation Number: TW2573

1.3 Applied Standard

FCC rule Part §2.1091
FCC Part §1.1310 FCC KDB 447498 D04 Interim General RF Exposure Guidance v01

1.4 Deviation from standards

None

1.5 Reference Test Report

Test Lab	TÜV SÜD Asia Ltd., Taiwan Branch
Report Number	6128626009201

2 General EUT Information

All information in this chapter was provided by the applicant.

2.1 Technical Specification of EUT

Items	EUT information
Operating Frequency	2412 ~ 2462 MHz
Channel number	11 for 20 MHz BW mode 7 for 40 MHz BW mode
Maximum Output Power	Wi-Fi: 23.44dBm
Operation Voltage	100~240V~, 2.5A, 50/60Hz. 24V⎓, 5.0A
Modulation	DSSS, OFDM (BPSK, QPSK, 16QAM, 64QAM)
Product Type	Portable Device
Test Software Version	Ampak RFTestTool, VER: 6.0

Note:

2.2 Antenna List

The device employs a semi-permanently attached antenna with a unique antenna connector.
The antenna has been confirmed to be fully compliant with the requirements of FCC §15.203.

Antenna Type	Brand	Model	Connector	Freq. (MHz)	Peak Antenna Gain (dBi)
PCB	Cowin	CW-20241024200	RP-SMA(F)	2400-2500	4.09

3 FCC Maximum Permissible Exposure Evaluation

3.1 Introduction

This Standard specifies requirements for, and provides guidance on, assessing compliance with the exposure limits of radiofrequency (RF) safety standards such as IEEE Std C95.1. This includes methodologies for making an assessment (by measurement or computation) of human exposure to ambient RF fields and induced body currents in the frequency range of 0 kHz to 300 GHz.

This Standard may also be used as a guide for making low-level environmental exposure assessments in areas around RF sources listed above, as well as other sources such as Wi-Fi devices.

3.2 Reference Levels

Where appropriate, the reference levels are derived from the basic restrictions by mathematical modelling and by extrapolation from the results of laboratory investigations at specific frequencies. They are given for the condition of maximum coupling of the field to the exposed individual, thereby providing maximum protection.

According to FCC 1.1310, the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b).

The FCC MPE limits from 47 CFR §1.1310 are shown in the table below

Frequency Range [MHz]	Electric Field Strength [V/m]	Magnetic Field Strength [A/m]	Power Density [mW/cm^2]	Average Time [minutes]
(A) Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	*100	6
3.0 – 30	1842/f	4.89/f	*900/f^2	6
30 – 300	61.4	0.163	1.0	6
300 – 1500			f/300	6
1500 – 100000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3 – 1.34	614	1.63	*100	30
1.34 – 30	824/f	2.19/f	*180/f^2	30
30 – 300	27.5	0.073	0.2	30
300 – 1500			f/1500	30
1500 – 100000			1.0	30

NOTE –

(1) *f* is the frequency in MHz.

(2) Provided that basic restrictions are met and adverse indirect effects can be excluded, field strength values can be exceeded. For the specific case of occupational exposures at frequencies up to 100 kHz, the derived electric fields can be increased by a factor of 2 under conditions in which adverse indirect effects from contact with electrically charged conductors can be excluded.

(3) For frequencies between 100 kHz and 10 GHz, the quantities Seq, E2 and H2 are averages over any 6 minutes.

(4) For frequencies exceeding 10 GHz, Seq, the quantities E2 and H2 are averages over any 68/f 1.05 minutes (f in GHz).

3.3 Classification of the Assessment Methods

The antenna of the product, under normal use condition is at least 20 cm away from the body of the user. Warning statement to the user for keeping at least 20cm separation distance and the prohibition of operating to a person has been printed on the user's manual. So, this product under normal use is located on electromagnetic far field between the human body.

MPE Calculation Method according to KDB 447498 D01 General RF Exposure Guidance v06

Power Density: $S_{(mW/cm^2)} = PG/4\pi R^2$ or $EIRP/4\pi R^2$

Where:

S = power density (mW/cm^2)

P = power input to the antenna (mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (cm)

3.4 Exemption limits for routine evaluations

Mode	Frequency (MHz)	Operation Distance (cm)	Max.Output Power Include Tolerance (dBm)	Antenna Gain (dBi)	Max. EIRP (mW)	Power Density (PD) (mW/cm^2)	Limit (mW/cm^2)	Result	Power Density / Limit
WLAN 2.4G	2462.00	20	23.44	4.09	566.24	0.113	1.000	Compliant	0.113