

# RF Exposure Report

Product Name : 65" All-In-One Video Conferencing Device

Model No. : AVM-6570

FCC ID : 2AYHFMP131HP

Applicant : Agile Display Solutions Co., Ltd.

Address : No. 12, Jingzhong Rd., Yongkang Dist., Tainan City, 710 Taiwan

Date of Receipt : Jul. 28, 2022

Date of Declaration : Dec. 12, 2022

Report No. : 2270832R-RFUSMPEV02-A

Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.



Product Name	65" All-In-One Video Conferencing Device	
Applicant	Agile Display Solutions Co., Ltd.	
Address	No. 12, Jingzhong Rd., Yongkang Dist., Tainan City, 710 Taiwan	
Manufacturer	Agile Display Solutions Co., Ltd.	
Model No.	AVM-6570	
FCC ID	2AYHFMP131HP	
Trade Name	avocor	
Applicable Standard	KDB 447498 D01 v06	<input checked="" type="checkbox"/> Minimum test separation distance $\geq$ 20 cm <input type="checkbox"/> For low power devices
Test Result	Complied	

Documented By

:



( Senior Project Specialist / Joanne Lin )

Tested By

:



( Senior Engineer / Alan Chen )

Approved By

:



( Manager / Tim Sung )

## Revision History

Report No.	Version	Description	Issued Date
2270832R-RFUSMPEV02-A	V1.0	Initial issue of report.	Dec. 12, 2022

## 1. General Information

### 1.1. EUT Description

Product Name	65" All-In-One Video Conferencing Device
Trade Name	avocor
Model No.	AVM-6570
FCC ID	2AYHFMP131HP

Note: For more detailed information please refer to report No.: 2270832R-RFUSOTHV13-A.

## 2. Test Facility

USA : FCC Registration Number: TW0033  
Canada : CAB Identifier Number: TW3023 / Company Number: 26930

Site Description : Accredited by TAF  
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd  
Address : No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan  
Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.  
Phone Number : +886-3-275-7255  
Fax Number : +886-3-327-8031  
Email Address : [info.tw@dekra.com](mailto:info.tw@dekra.com)  
Website : <http://www.dekra.com.tw>

### 3. RF Exposure Evaluation

#### 3.1. Standard Applicable

According to KDB 447498 D01 (7.1), A minimum test separation distance  $\geq 20$  cm is required between the antenna and radiating structures of the device and nearby persons to apply mobile device exposure limits.

#### 3.2. Limits

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)

##### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (Minutes)
(A) Limits for Occupational/ Control Exposures				
300-1500	--	--	F/300	6
1500-100,000	--	--	5	6
(B) Limits for General Population/ Uncontrolled Exposures				
300-1500	--	--	F/1500	6
1500-100,000	--	--	1	30

F= Frequency in MHz

##### Friis Formula

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

G = gain of antenna in linear scale

$\pi$  = 3.1416

R = distance between observation point and center of the radiator in cm

Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneously transmitting antennas incorporated in a host device is  $\leq 1.0$

### 3.3. Test Result of RF Exposure Evaluation

Product : 65" All-In-One Video Conferencing Device  
Test Item : RF Exposure Evaluation

Band	Frequency (MHz)	Fundamental (dB $\mu$ V/m)	E.I.R.P (dBm)	E.I.R.P (mW)	Power Density at R = 20 cm (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
24 GHz	24086	96.99	1.76	1.50	0.0003	1

Note: The conducted output power is refer to report No.: 2270832R-RFUSOTHV13-A from the DEKRA.

Results	PASS
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