

# RF EXPOSURE REPORT

Applicant	Hangzhou Chingan Tech Co., Ltd.
Address	4F, BLDG. 4, 16# XIYUAN YI ROAD HANGZHOU, ZHEJIANG, CHINA 310030



Manufacturer or Supplier	Hangzhou Chingan Tech Co., Ltd.
Address	4F, BLDG. 4, 16# XIYUAN YI ROAD HANGZHOU, ZHEJIANG, CHINA 310030
Product	VIDEO SOUNDBAR
Brand Name	N/A
Model	AMC-G309UV2
Additional Model & Model Difference	N/A
Date of tests	Oct. 19, 2021~ Dec. 08, 2021; Dec. 23, 2021~ Jan. 25, 2022

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Andy Zhu Supervisor / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Feb. 14, 2022

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Test Report No.: FM2112WDG0025

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2112WDG0025	Original release	Feb. 14, 2022

## 1. CERTIFICATION

<b>FCC ID:</b>	2A3YW-AMC-G309
<b>PRODUCT:</b>	VIDEO SOUNDBAR
<b>BRAND NAME:</b>	N/A
<b>MODEL NO.:</b>	AMC-G309UV2
<b>ADDITIONAL NO.:</b>	N/A
<b>APPLICANT:</b>	Hangzhou Chingan Tech Co., Ltd.
<b>ACCESSORY:</b>	Remote control
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

## 2. RF EXPOSURE LIMIT

### 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)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

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

## 4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

## 5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2	PCB Antenna

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	6	+2	4	8
8DPSK	2402-2480	6	+2	4	8
BT-LE	2402-2480	-18	+2	-20	-16

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	6.02
8DPSK	2402	6.65
BT-LE	2402	-17.09

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480	8	2	20	0.001989	1.0

--- END ---