



FCC RF EXPOSURE REPORT

Applicant : Zhejiang Dahua Vision Technology Co., Ltd.

Address : No.1199, Bin'an Road, Binjiang District, Hangzhou,
P.R. China

Equipment : Dahua Bluetooth/Wired Omnidirectional Digital
Speakerphone

Model No. : DH-VCS-MCA400, VCS-MCA400, MCA400,
DH-VCS-MCA400E, VCS-MCA400H,
VCS-MCA400E, DH-VCS-MCA400 Series,
VCS-MCA Series, DH-VCS-MCA400H Series,
DH-VCS-MCA400E Series, MCA400, MCA400E,
MCA400H, MCA400 Series

Trade Name : Dahua

FCC ID : SVN-MAC400

I HEREBY CERTIFY THAT :

The sample was received on Mar. 02, 2021 and the testing was completed on Mar. 15, 2021 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Leevin Li /Supervisor



Contents

1. Test Configuration of Equipment under Test	4
1.1 Feature of Equipment.....	4
1.2 General Information of Test.....	5
2. Radio Frequency Exposure	6
2.1 Applicable Standards	6
2.2 Limit.....	6
2.3 Test Results.....	6



History of this test report

Original

Additional attachment as following record:

Attachment No.	Issue Date	Description
DEFJ2109052	Sept. 24, 2021	Original



1. Test Configuration of Equipment under Test

1.1 Feature of Equipment

Equipment	Dahua Bluetooth/Wired Omnidirectional Digital Speakerphone
Model Name	DH-VCS-MCA400, VCS-MCA400, MCA400, DH-VCS-MCA400E, VCS-MCA400H, VCS-MCA400E, DH-VCS-MCA400 Series, VCS-MCA Series, DH-VCS-MCA400H Series, DH-VCS-MCA400E Series, MCA400, MCA400E, MCA400H, MCA400 Series
Model Discrepancy	N/A
Frequency Range	2402MHz-2480MHz
Modulation Type	Bluetooth EDR: GFSK (1Mbps), $\pi/4$ DQPSK (2Mbps) ,8DPSK(3Mbps) BLE: GFSK
Data Rate	Bluetooth EDR: 1, 2, 3Mbps BLE:1Mbps
Power Source	Input: 5Vdc, 2A Rechargeable Li-ion Battery Model: ICR18650-2S Spec: 7.4V, 2200mAh, 16.28Wh

Note: For more details, please refer to the User’s manual of the EUT.



1.2 General Information of Test

Test Site	CerpPASS Technology Corporation(CerpPASS Laboratory) Address: Room 102, No. 5, Xing'an Road, Chang'an Town, Dongguan City, Guangdong Province Tel: +86-769-8547-1212 Fax: +86-769-8547-1912
FCC Designation No.:	CN1288
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 40,000MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.



2. Radio Frequency Exposure

2.1 Applicable Standards

The measurements shown in this test report were made in accordance with the procedures given in FCC Part 2 (Section 2.1093)

2.2 Limit

KDB 447498 D01 V06 § 4.3(a)

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where

*f(GHz) is the RF channel transmit frequency in GHz

* Power and distance are rounded to the nearest mW and mm before calculation

*The result is rounded to one decimal place for comparison

*The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion

2.3 Test Results

According to the KDB 447498 D01 V06 § 4.3(a):

The SAR test exclusion thresholds Level:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \text{sqrt}(\text{freq. in GHz}) < 3$

Calculation

BLE

Channel	Measured power (dBm)	Tuneuptolerance (dBm)	Max.TuneupPower (dBm)	Peak output power (mW)	Distance (mm)	Calculation results	Limit
2.402	6.80	6.80±1	7.80	6.025595861	5	1.8677	3

EDR

Channel	Measured power (dBm)	Tuneuptolerance (dBm)	Max.TuneupPower (dBm)	Peak output power (mW)	Distance (mm)	Calculation results	Limit
2.402	7.64	7.64±1	8.64	7.318127977	5	2.2684	3

Then SAR evaluation is not required

-----THE END OF REPORT-----