



FCC Test Report

Report No.: DHQ-18FE0150VTSPB-2

FCC ID: SVNDH-SD1A

Product: PTZ Dome Camera

Model: DH-SD1A200T-GN-W

Received Date: Feb.09, 2018

Test Date: Feb.23 to Mar.05, 2018

Issued Date: Mar.09, 2018

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Issued By: BUREAU VERITAS ADT (Shanghai) Corporation

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Table of Contents

Release Control Record	3
1 Certificate of Conformity	4
2 RF Exposure	5
2.1 Limits For Maximum Permissible Exposure (MPE)	5
2.2 MPE Calculation Formula	5
2.3 MPE Calculation Formula	5
2.4 Calculation Result of Maximum Permissible Exposure	5



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Release Control Record

Issue No.	Description	Date Issued
DHQ-18FE0159VTSPB-2	Original release	Mar.09, 2018



1 Certificate of Conformity

Product: PTZ Dome Camera

Brand: **dahua**
TECHNOLOGY

Test Model: DH-SD1A200T-GN-W

Series Model: DH-SD1A200T-GN-W, SD1Axyzutv-Ga-W, DH-SD1Axyzutv-Ga-W, ("x" can be 1-9 or blank or missing; "y" can be 0-9 or blank or missing, "z" can be 0-9 or blank or missing, "u" can be A-Z or blank or missing; "t" can be A-Z or blank or missing; "v" can be N or blank or missing; "a" can be C, N, S, NI or blank or missing)

Applicant: ZHEJIANG DAHUA VISION TECHNOLOGY CO.,LTD.

Test Date: Feb.23 to Mar.05, 2018

Standards: **FCC Part 2 (Section 2.1091)**

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

The above equipment has been tested by **BUREAU VERITAS ADT (Shanghai) Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : , **Date:** Mar.09, 2018
Bing YE
Testing Engineer

Approved by : , **Date:** Mar.09, 2018
Joy ZHU
Testing Manager

2 RF Exposure

2.1 Limits For Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1,500	-	-	F/1500	30
1,500-100,000	-	-	1.0	30

F = Frequency in MHz

2.2 MPE Calculation Formula

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^3)$$

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

2.3 MPE Calculation Formula

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

2.4 Calculation Result of Maximum Permissible Exposure

Frequency Band (MHz)	Max Tune-up Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
WLAN 2.4GHz					
2412-2462	26.48	2.56	20	0.159	1

Conclusion:

The calculation result of MPE is less than the limit.

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