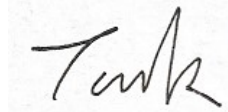


RF Exposure report

Report No.: HP191107DC010-FMP**FCC ID:** 2ACYT-AZ720**Product Name** wireless module**Test Model:** AZ720**Received Date:** 2019-11-12**Test Date:** 2019-11-15~2019-12-12**Issued Date:** 2019-12-17**Applicant Name:** SHENZHEN Hitevision Technology Co., Ltd.**Applicant Address:** No. 8, Qinglan 1st Road, Pingshan Shenzhen China**Issued By:** Hwa-Hsing (Dongguan) Testing Co., Ltd.**Lab Address:** No.101, Bld N1, Yuyuan 2Rd, Yuyuan Industrial Park, HuangJiang Town, Dongguan, China**Test Location:** No.101, Bld N1, Yuyuan 2Rd, Yuyuan Industrial Park, HuangJiang Town, Dongguan, China**FCC Designation****Number:** CN1255**Standards:** FCC Part 2 (Section 2.1091)
KDB 447498 D01
IEEE C95.1

The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, 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 :

Tank Tan//Engineer

Date:

Dec. 17, 2019

Approved by :

Harry Li/ Supervisor

Date:

Dec. 17, 2019

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Table of contents

Release control record	3
1. RF exposure limit.....	4
2. MPE calculation formula	4
3. Calculation result of maximum conducted power.....	5
4. Appendix – Information on the Testing Laboratories.....	6

Release control record

Issue No.	Reason for change	Date issued
HP191107DC010-FMP	Original release	Dec. 17, 2019

1. RF exposure limit

Limits for maximum permissible exposure (MPE)

Limits for general population / uncontrolled exposure				
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Average time (minutes)
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30
Note: F = Frequency in MHz				

2. MPE calculation formula

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

Where:

Pd = power density in mW/cm²

Pout = 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

Classification:

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.

3. Calculation result of maximum conducted power

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

Antenna No.	Function	Frequency Band	Antenna Gain (dBi)	Antenna Type	Transmit and Receive Chain	Maximum AVG Power(dBm)
1	2.4GHz WLAN	2412~2462MHz	6.0	PCB Antenna	2TX,2RX	13.73
	5GHz WLAN	5180 ~ 5240MHz	7.0		2TX,2RX	14.57
		5745 ~ 5825MHz	7.0		2TX,2RX	17.01

2400~2483.5MHz: Directional gain = 6.0dBi + 10log(2) = 9.01dBi

5180 ~ 5240MHz: Directional gain = 7.0dBi + 10log(2) = 10.01dBi

5745 ~ 5825MHz: Directional gain = 7.0dBi + 10log(2) = 10.01dBi

Frequency band (MHz)	Max power (mW)	Antenna gain (dBi)	Distance (cm)	Power density (mW/cm ²)	Limit (mW/cm ²)
2412~2462MHz	23.608	6.0	20	0.018698	1.0
5180 ~ 5240MHz	28.625	7.0	20	0.028541	1.0
5745 ~ 5825MHz	50.272	7.0	20	0.050125	1.0

Note: These bands cannot transmit simultaneously at 2.4G and 5GHz band.

Conclusion:

Therefore, the worst-case situation is 0.050087mW/cm², which is less than “1”. This confirmed that the device compliance with FCC 1.1310 MPE limit.

4. Appendix – Information on the Testing Laboratories

We, [Hwa-Hsing \(Dongguan\) Co., Ltd.](#), A global provider of TESTING and CERTIFICATION services for consumer products, electronic products and wireless information technology products. Adhering to the core values “HONEST and TRUSTWORTHY, OBJECTIVE and IMPARTIALITY, RIGOROUS and AFFICIENT”, commitment to provide professional, perfect and efficient comprehensive ONE-STOP solution of TESTING and CERTIFICATION services for Manufacturers, Buyers, Traders, Brands, Retailers. Assist client to better manage risk, protect their brands, reduce costs and cut time to over 150 markets in global. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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