



BUREAU
VERITAS

Test Report No.: FM180706N021

RF EXPOSURE REPORT

Applicant	Shenzhen Arashi Vision Company Limited
Address	6/F, Building A, Logan Century Center Haixiu Road, Bao an District Shenzhen Guangdong 518000 China

Manufacturer or Supplier	Shenzhen Arashi Vision Company Limited
Address	6/F, Building A, Logan Century Center Haixiu Road, Bao an District Shenzhen Guangdong 518000 China
Product	Insta360 FarSight
Brand Name	Insta360
Model	CINPITX/A
Additional Model & Model Difference	CINPITX
Date of tests	Jul. 06, 2018 ~ Aug. 31, 2018

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 Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department

Date: Sep. 06, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180706N021	Original release	Sep. 06, 2018

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1. CERTIFICATION

FCC ID:	2ASFH-CINPITX-A
PRODUCT:	Insta360 FarSight
BRAND NAME:	Insta360
MODEL NO.:	CINPITX/A
ADDITIONAL NO.:	CINPITX
TEST SAMPLE:	Engineering Sample
APPLICANT:	Shenzhen Arashi Vision Company Limited
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



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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 ²)	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

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

π = 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**.



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5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Wi-Fi 5GHz	4.1	Dipole Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
802.11n(HT20)	5180MHz	16	+1	15	17

The measured conducted Average Power

Mode	Frequency (MHz)	Total Averaged Power (dBm)
802.11n(HT20)	5180	16.15

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
5180	17	4.1	20	0.025629	1.0

--- END ---