

RF EXPOSURE REPORT

Applicant:	GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
Address:	Building C, Jinhui Industrial Building, South of Yuting Road, East of Taian Road, Chenghai District, Shantou City.

Manufacturer or Supplier	GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
Address	Building C, Jinhui Industrial Building, South of Yuting Road, East of Taian Road, Chenghai District, Shantou City.
Product	Drone Mach 10inch with Camera Streaming
Brand Name	Sharper Image
Model	1019558
Additional Model & Model Difference	101XXXX (where XXXX can be digits 0000-9999 which represent different customers), see items 1
Date of tests	Jun. 09, 2025 ~ Jun. 16, 2025

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01 V06**

☒ **IEEE C95.1**

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

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Date: Jun. 26, 2025

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Test Report No.: FM2506WDG0047-1

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2506WDG0047-1	Original release	Jun. 26, 2025

1. CERTIFICATION

FCC ID:	2AWZKHD25F24GR
PRODUCT:	Drone Mach 10inch with Camera Streaming
BRAND NAME:	Sharper Image
MODEL NO.:	1019558
ADDITIONAL NO.:	101XXXX (where XXXX can be digits 0000-9999 which represent different customers)
TEST SAMPLE:	Engineering Sample
APPLICANT:	GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01 V06
	IEEE C95.1

Note: Additional models (see above table) are identical with the test model 1019558 except model no. for trading purposes.

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

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

where

P_d = power density in mW/cm²

P_{out} = 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**.

5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	0	Monopole 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)
802.11b	2412-2462	3	+2	1	5
802.11g	2412-2462	-1.5	+2	-3.5	0.5
802.11n(HT20)	2412-2462	-1.5	+2	-3.5	0.5

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2412	3.35
802.11g	2462	-1.71
802.11n(HT20)	2462	-1.65

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412-2462	5	0	20	0.000629	1.0

Conclusion

Therefore, this device complies with FCC's RF radiation exposure limits for general population without SAR evaluation.

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