

# FCC RF EXPOSURE REPORT

## FCC ID: 2AG7C-SPEED5

**Project No.** : 2011H025  
**Equipment** : IP CAMERA  
**Brand Name** : N/A  
**Test Model** : Speed 5S  
**Series Model** : Speed 5X;46239.040A  
**Applicant** : Hangzhou Meari Technology Co., Ltd.  
**Address** : Room 604-605, Building 1, No.768 Jianghong Road,  
Changhe street, Binjiang District, Hangzhou, Zhejiang, China  
**Manufacturer** : Hangzhou Meari Technology Co., Ltd.  
**Address** : No. 91 Chutian Road, Xixing Street, Binjiang District,  
Hangzhou, Zhejiang, China  
**Factory** : Hangzhou Meari Technology Co., Ltd.  
**Address** : No. 91 Chutian Road, Xixing Street, Binjiang District,  
Hangzhou, Zhejiang, China  
**Date of Receipt** : Nov. 18, 2020  
**Date of Test** : Nov. 18, 2020~Dec. 28, 2020  
**Issued Date** : Dec. 30, 2020  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: SH20201106124-1, SH20201106125  
SH20201228200  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

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Certificate # 5123.03

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**REPORT ISSUED HISTORY**

| Report Version | Description     | Issued Date   |
|----------------|-----------------|---------------|
| R00            | Original Issue. | Dec. 30, 2020 |

## 1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

For 2.4G:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|-------|------------|--------------|-----------|------------|
| 1    | N/A   | N/A        | FPC          | N/A       | 3          |

Note:

The antenna gain is provided by the manufacturer.

## 2. TEST RESULTS

For 2.4GHz:

| Antenna Gain (dBi) | Antenna Gain (numeric) | Max. Output Power (dBm) | Max. Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) (mW/cm <sup>2</sup> ) | Test Result |
|--------------------|------------------------|-------------------------|------------------------|---|--|-------------|
| 3.00               | 1.9953                 | 25                      | 316.2278               | 0.1255                                  | 1  | Complies    |

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

**End of Test Report**