

## RF Exposure Report

**Report No.:** SA151116C23

**FCC ID:** A8J-EDS5255

**Test Model:** EDS5255

**Series Model:** IPC5255

**Received Date:** Nov. 16, 2015

**Test Date:** Nov. 30 ~ Dec. 21, 2015

**Issued Date:** Dec. 22, 2015

**Applicant:** EnGenius Technologies

**Address:** 1580 Scenic Avenue, Costa Mesa, CA92626

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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### Release Control Record

Issue No.	Description	Date Issued
SA151116C23	Original release.	Dec. 22, 2015



# 1 Certificate of Conformity

**Product:** 2 Megapixel Wireless Bullet Camera  
**Brand:** EnGenius, Senao  
**Test Model:** EDS5255  
**Series Model:** IPC5255  
**Sample Status:** Engineering sample  
**Applicant:** EnGenius Technologies  
**Test Date:** Nov. 30 ~ Dec. 21, 2015  
**Standards:** FCC Part 2 (Section 2.1091)  
KDB 447498 D01 (October 23, 2015)  
IEEE C95.1

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, 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 :** Suntee Liu , **Date:** Dec. 22, 2015  
Suntee Liu / Specialist

**Approved by :** Ken Liu , **Date:** Dec. 22, 2015  
Ken Liu / Senior 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 <sup>2</sup> )	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE Calculation Formula

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

where

Pd = power density in mW/cm<sup>2</sup>

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

### 2.3 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**.

## 3 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
2412-2462	20.36	1.68	20	0.032	1

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