

RF EXPOSURE REPORT

| | |
|-----------|--|
| Applicant | Savant Technologies LLC, dba GE Lighting, a Savant company |
| Address | 1975 Noble Road, Cleveland, Ohio 44112, United States |

| | |
|-------------------------------------|--|
| Manufacturer or Supplier | Savant Technologies LLC, dba GE Lighting, a Savant company |
| Address | 1975 Noble Road, Cleveland, Ohio 44112, United States |
| Product | Outdoor Wired Smart Camera |
| Brand Name | GE Lighting |
| Model | CAMODWD3MW1 |
| Additional Model & Model Difference | N/A |
| Date of tests | Apr. 20, 2021 ~ Jul. 14, 2021 |

- 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 Lucas Chen
Project Engineer / EMC Department

Approved by Glyn He
Assistant Manager / EMC Department




Date: Aug. 05, 2021

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Test Report No.: FM2106WDG0251

RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|---------------|-------------------|---------------|
| FM2106WDG0251 | Original release | Aug. 05, 2021 |

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1. CERTIFICATION

| | |
|------------------------|--|
| FCC ID: | PUU-CAMODWD3MW1 |
| PRODUCT: | Outdoor Wired Smart Camera |
| BRAND NAME: | GE Lighting |
| MODEL NO.: | CAMODWD3MW1 |
| ADDITIONAL NO.: | N/A |
| TEST SAMPLE: | Engineering Sample |
| APPLICANT: | Savant Technologies LLC, dba GE Lighting, a Savant company |
| STANDARDS: | FCC Part 2 (Section 2.1091) |
| | KDB 447498 D01 |
| | IEEE C95.1 |



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

Pi = 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:

| Mode | Transmitter Circuit | Peak Gain (dBi) | Antenna Type |
|------|---------------------|-----------------|--------------|
| WIFI | Chain 0 | 1.0 | FPC 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 | 2412-2462MHz | 17 | +2 | 15 | 19 |
| 802.11g | 2412-2462MHz | 15 | +3 | 12 | 18 |
| 802.11n HT20 | 2412-2462MHz | 13 | +2 | 11 | 15 |
| 802.11n HT40 | 2422-2452MHz | 14 | +2 | 12 | 16 |

The measured conducted Average Power

| Mode | Frequency (MHz) | Averaged Power (dBm) |
|--------------|-----------------|----------------------|
| 802.11b | 2412 | 17.97 |
| 802.11g | 2412 | 16.37 |
| 802.11n HT20 | 2412 | 14.47 |
| 802.11n HT40 | 2422 | 14.15 |

| FREQUENCY BAND (MHz) | MAX AVERAGE POWER (dBm) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|----------------------|-------------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| WiFi 2412-2462 | 19 | 1 | 20 | 0.0199 | 1.0 |

--- END ---