

# RF Exposure

**Applicant** : AMS SOLTECH  
ZA DU CHEVALEMENT  
**Address** : 8 RUE DES MOLETTES  
59286 ROOST WARENDIN FRANCE  
**Product Name** : Car Camera  
**Brand Mark** : AMS  
**Model** : VICAM-AMS-CAM-PAL-WL-HD  
**FCC ID** : 2BUJ3911W14  
**Report Number** : BLA-EMC-202607-A43-03  
**Date of Receipt** : July 7, 2026  
**Date of Test** : July 7, 2026 to Sep. 3, 2026  
47 CFR Part 15, Part1.1307  
**Test Standard** : 47 CFR Part 15, Part2.1091  
KDB447498D04 General RF Exposure Guidance v01  
**Test Result** : Pass

Compiled by: *Hugh*Review by: *Xavier*Approved by: *Blue Zheng*

Issued Date: Sep. 3, 2026

**BlueAsia Technical Services(Shenzhen) Co.,Ltd.**

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Baoan District, Shenzhen, Guangdong, China



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## Revise Record

| Version No. | Date         | Description |
|-------------|--------------|-------------|
| 01          | Sep. 3, 2026 | Original    |
|             |              |             |
|             |              |             |
|             |              |             |

## 1 General information

### 1.1 General information

|              |                                                                        |
|--------------|------------------------------------------------------------------------|
| Applicant    | AMS SOLTECH                                                            |
| Address      | ZA DU CHEVALEMENT<br>8 RUE DES MOLETTES<br>59286 ROOST WARENDIN FRANCE |
| Manufacturer | AMS SOLTECH                                                            |
| Address      | ZA DU CHEVALEMENT<br>8 RUE DES MOLETTES<br>59286 ROOST WARENDIN FRANCE |
| Factory      | AMS SOLTECH                                                            |
| Address      | ZA DU CHEVALEMENT<br>8 RUE DES MOLETTES<br>59286 ROOST WARENDIN FRANCE |

### 1.2 General description of EUT

|                                                                                                                                             |                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Product name                                                                                                                                | Car Camera                              |
| Model no.                                                                                                                                   | VICAM-AMS-CAM-PAL-WL-HD                 |
| Series model                                                                                                                                | N/A                                     |
| Operating Frequency                                                                                                                         | 2410 MHz -2474 MHz                      |
| Channel numbers:                                                                                                                            | 33                                      |
| Modulation Type:                                                                                                                            | QPSK                                    |
| Antenna Type:                                                                                                                               | External antenna                        |
| Antenna Gain:                                                                                                                               | 2.29dBi(Provided by customer)           |
| Max. Field Strength:                                                                                                                        | 107.68dBuV/m@3m                         |
| Power supply:                                                                                                                               | DC12V                                   |
| Hardware Version                                                                                                                            | N/A                                     |
| Software Version                                                                                                                            | N/A                                     |
| Test engineer sample no.                                                                                                                    | BLA-EMC-202607-A31- VICAM-AMS-MS7-WL-HD |
| <i>Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.</i> |                                         |

## 2 Laboratory and accreditations

The test facility is recognized, certified, or accredited by the following organizations:

|                          |                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------|
| Company name:            | BlueAsia Technical Services(Shenzhen) Co., Ltd.                                                                  |
| Address:                 | No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China |
| CNAS accredited No.:     | L9788                                                                                                            |
| A2LA Cert. No.:          | 5071.01                                                                                                          |
| FCC Designation No.:     | CN1252                                                                                                           |
| ISED CAB identifier No.: | CN0028                                                                                                           |
| Telephone:               | +86-755-28682673                                                                                                 |
| FAX:                     | +86-755-28682673                                                                                                 |

### 3 RF Exposure Compliance Requirement

#### 3.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

#### 3.2 Limits

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and  $f$  is in GHz,  $d$  is the separation distance (cm), and  $ERP_{20 \text{ cm}}$  is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

| Frequency (MHz) | Distance (mm) |    |    |    |     |     |     |     |     |     |     |
|-----------------|---------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|
|                 | 5             | 10 | 15 | 20 | 25  | 30  | 35  | 40  | 45  | 50  |     |
|                 | 300           | 39 | 65 | 88 | 110 | 129 | 148 | 166 | 184 | 201 | 217 |
|                 | 450           | 22 | 44 | 67 | 89  | 112 | 135 | 158 | 180 | 203 | 226 |
|                 | 835           | 9  | 25 | 44 | 66  | 90  | 116 | 145 | 175 | 207 | 240 |
|                 | 1900          | 3  | 12 | 26 | 44  | 66  | 92  | 122 | 157 | 195 | 236 |
|                 | 2450          | 3  | 10 | 22 | 38  | 59  | 83  | 111 | 143 | 179 | 219 |
|                 | 3600          | 2  | 8  | 18 | 32  | 49  | 71  | 96  | 125 | 158 | 195 |
|                 | 5800          | 1  | 6  | 14 | 25  | 40  | 58  | 80  | 106 | 136 | 169 |

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

### 3.3 Result

$$\text{EIRP} = p_t \times g_t = (E \times d)^2 / 30$$

Where:

$p_t$  = transmitter output power in watts,

$g_t$  = numeric gain of the transmitting antenna (unitless),

$E$  = electric field strength in V/m,

$d$  = measurement distance in meters (m)

$$\text{Spot} = (E \times d)^2 / 30 \times g_t$$

Separation distance = 20cm

For QPSK

$$\text{Ant gain} = 2.29 \text{ dBi } [0.14 \text{ dBd } (1.033)]$$

$$\text{Field strength} = 107.68 \text{ dB}\mu\text{V/m @3m @2409MHz}$$

$$\text{So } P_t = \{ [10^{(107.68/20)} / 10^6 \times 3] / 2 / 30 \} \times 1000 \text{ mW} = 17.58 \text{ mW} < 3060 \text{ mW}$$

$$\text{So ERP} = 17.58 \times 1.033 = 18.16 < 3060 \text{ mW}$$

Comply with RF exposure exemption limit.

----END OF REPORT----

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