

RF Exposure

Applicant : AMS SOLTECH
ZA DU CHEVALEMENT
Address : 8 RUE DES MOLETTES
59286 ROOST WARENDIN FRANCE
Product Name : CAR MONITOR
Brand Mark : AMS
Model : VICAM-AMS-MS10-MULTIMEDIA
Series model : KIT-MS10-MULTIMEDIA
Report Number : BLA-EMC-202601-A9804
FCC ID : 2BUJ3911H30
Date of Receipt : Jan. 22,2026
Date of Test : Jan. 22,2026 to Feb. 28,2026
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: charlie Review by: Xavier Approved by: 13 blue zheng
Issued Date: Feb. 28,2026



BlueAsia Technical Services (Shenzhen) Co., Ltd

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Revise Record

Version No.	Date	Description
01	Feb. 28,2026	Original

1 General information

1.1 General information

Applicant	AMS SOLTECH
Address	ZA DU CHEVALEMENT 8 RUE DES MOLETTES 59286 ROOST WARENDIN FRANCE
Manufacturer	AMS SOLTECH
Address	ZA DU CHEVALEMENT 8 RUE DES MOLETTES 59286 ROOST WARENDIN FRANCE
Factory	AMS SOLTECH
Address	ZA DU CHEVALEMENT 8 RUE DES MOLETTES 59286 ROOST WARENDIN FRANCE

1.2 General description of EUT

Product name	CAR MONITOR
Model no.	VICAM-AMS-MS10-MULTIMEDIA
Series model	KIT-MS10-MULTIMEDIA
Differences of Series model	Their electrical circuit design layout, components used and internal wiring are identical, Only the model name are different.
Power supply or adapter information	DC12V
Hardware version	T59-MP5-V202
Software version	20251208
Engineer sample no.	BLA-EMC-202601-A98
<i>Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.</i>	

For BT

Operation Frequency	2402MHz-2480MHz
Modulation Type	GFSK, π /4DQPSK, 8DPSK
Channel Spacing	1MHz
Number of Channels	79
Antenna Type	FPC antenna
Antenna Gain	1.59dBi(Provided by customer)

For 5GWIFI

Operation Frequency	Band1: 5180MHz~5240MHz
Channel numbers	Band 1: 802.11n(HT20): 4,
Channel Spacing	802.11n(HT20): 20MHz,
Modulation Type	IEEE 802.11n(HT20): OFDM (BPSK, QPSK, 16QAM, 64QAM)
Transmit Data Rate	IEEE 802.11n HT20(1X1): up to 72.2 Mbps
Antenna Type	FPC antenna
Antenna Gain	3.15dBi(Provided by the customer)
Function	☒ SISO ☐ 2x2 MIMO ☐ TPC

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
Test Firm Registration Number:	923526
ISED CAB identifier No.:	CN0028
Company Number:	24243
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

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

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

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

3.3 Result

Calculated Result and Limit (WORSE CASE IS AS BELOW)

Mode	Frequency (MHz)	Max Output power(dBm)	Max Output power(mW)	Ant gain (dBi)	Evaluation ERP(dBm)	Evaluation ERP(mW)	Distance (cm)	Limit of Pth(mW)	Result
3-DH1	2441	8.047	6.38	1.59	7.487	5.61	20	3060.00	Pass
5.1GWIFI n20	5180	0.435	1.11	3.15	1.435	1.39	20	3060.00	Pass

ERP=Max Output power+Ant gain-2.15

Simultaneous emission:

$\sum_{i=1}^a \frac{P_i}{P_{th,i}}$	$=(6.38+1.11)/3060=0.0024<1$
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$\sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}}$	$=(5.61+1.39)/3060 =0.0022<1$
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Comply with RF exposure exemption limit.

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