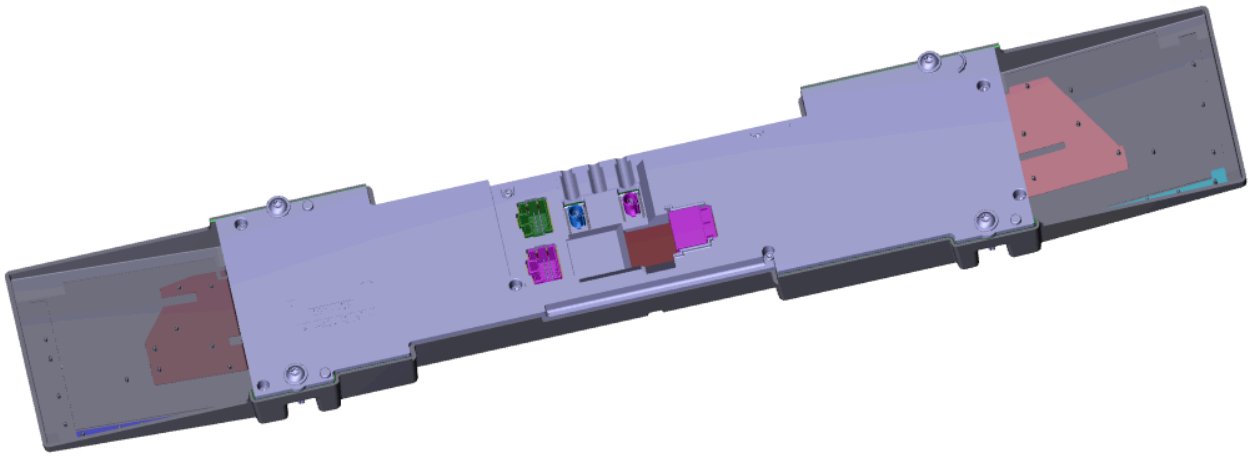
Comfort and Driving Assistance Systems

Warning Statements for user manual

Product name: ARTEMIS



VALEO Telematik und Akustik GmbH

Max-Planck-Straße 28-32

61381 Friedrichsdorf

Germany

confidential and proprietary

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Use case of the product

SUB-ENTRY variant:

- Remote Keyless Entry Transceiver component
- GNSS antenna component
- over the air software update functionality (via vehicle infrastructure)

additionally in all other variants with NAD:

- cellular connection to OEM backend and internet data connection via 2G, 3G, 4G and 5G
- GNSS receiver for various global satellite networks on L1 band
- manual and automatic emergency call device for regulatory and private emergency call services
- voice calls in circuit switched and packet switched mode (to predefined numbers)
- self test and diagnostic functions
- Interface for secured network services of the OEM
- SIM profile management on embedded SIM chip (eSIM)

additionally in the variant with SDARS:

- SDARS receiver component (Satellite Digital Audio Radio Services)

additionally in variant with V2X:

- V2X transceiver
- RTM (Real Time Monitoring according to GB/T 32960)
- GNSS receiver for global satellite network on L5 band

Supported bands per variant

Variant	SUB	ECE, EEU, TUR	NAR	ROW	JPN	CHN
2G / GSM	-	900 / 1800	-	900 / 1800	900 / 1800	900 / 1800
3G / UMTS	-	1, 3, 2008	2, 4, 2005	1, 3, 5, 8, 19	1, 3, 5, 8, 19	1, 8
4G / LTE	-	1, 3, 7, 8, 20, 28, 32, 38, 40, 41	2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 29, 30,41, 66, 71	1, 3, 5, 7, 8, 18, 19, 20, 26, 28, 40, 41	1, 3, 5, 7, 8, 18, 19, 20, 26, 28, 40, 41	1, 3, 5, 7, 8, 34, 38, 39, 40, 41
5G / NR	-	1, 3, 8, 20, 41, 78	2, 5, 41, 66, 71, 77, 78	1, 3, 20, 28, 41, 77, 78	1, 3, 20, 28, 41, 77, 78	1, 5, 8, 28, 41, 78
GNSS	L1	L1	L1	L1	L1	L1, L5
C-V2X	-	-	-	-	-	47
RKE	433 MHz	433 MHz	433 MHz	433 MHz	315 MHz	433 MHz

Only n78 and n77 support Power Class 2.

Frequency bands and maximum transmitted power

RAT	Max transmitter power (conducted at TCU)
GSM 850, 900	Class 4 (2W)
GSM 1800, 1900	Class 1 (1W)
EDGE 850, EDGE 900	Class E2 (0.5W)
EDGE 1800, EDGE 1900	Class E2 (0.4W)
WCDMA Rel.99, HSPA+	Class 3 (0.2W)
LTE (4G)	Class 3 (0.2W)
NR (5G)	Class 3 (0.2W), Class 2 (0.4W)
RKE (433 MHz / 315 MHz)	9 dBm

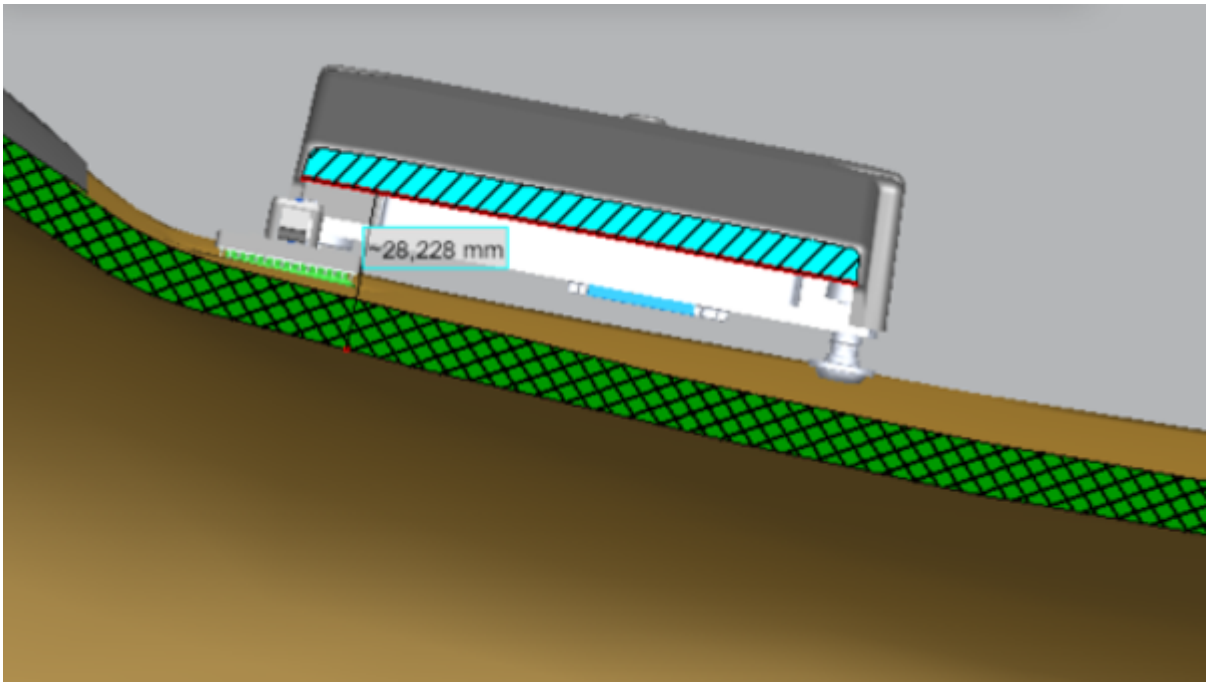
Maximum SAR values

Variant	ECE, EEU, TUR	NAR	ROW/JPN	CHN	Limit
	0.471 W/kg		0.953 W/kg		2 W/kg
		0.319 W/kg			1.6 W/kg

Mounting position and orientation

Minimal distance to parts of the human body

The theoretical minimum distance of the ARTEMIS device to parts of the human body is defined with 28.2 mm.



This is the distance of ARTEMIS to the headliner inner surface.

Europe

This device must be supplied by a limited power source according to EN 62368-1. The clearance and protected creepage distances required by the final product must be withheld when the module is installed. The cooling of the final product shall not negatively be influenced by the installation of

All connected wiring shall be adequate according to the equipment’s voltage and current rating as well as the flammability requirements and fulfill the standard EN 62368-1.

The external fuse shall be used according to the current rating.

This device meets guidelines for exposure to radio waves as set by the Council of Europe (CE). The SAR limit for body exposure is 4 w/kg and this device meets the limit when radiation element installed at separation distance of 28.2 mm.

Brazil:
Atendimento à Regulamentação Anatel
Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Para maiores informações, consulte o site da ANATEL www.anatel.gov.br

China:

Class A product's warning:

警告使用者： 此为A级产品，在生活环境中， 该产品会造成无线干扰。在这种情况下，可能需要用户对其干扰采取切实可行的措施

Canada:

This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and

(2) this device must accept any interference received,
including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Specific Absorption Rate (SAR) information
This Smart phone meets the government's requirements for Canada radiation exposure limits set forth for an uncontrolled environment. This device was tested for typical body-worn operations with the back of the phone kept 28.2 mm from the body. To maintain compliance with ISED RF exposure requirements, use accessories that maintain an 28.2 mm separation distance between the user's body and the back of the Smart phone. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with ISED RF exposure requirements, and should be avoided.

Le taux d'absorption spécifique (sar)
ce téléphone intelligent répond aux exigences du gouvernement du canada l'exposition limites indiquées pour un autre environnement.ce dispositif a été testé pour les opérations de portés avec le dos du téléphone a de 28.2 mm de l'organisme.indicateurs d'exposition aux champs rf pour maintenir la conformité aux exigences, l'utilisation des accessoires que maintenir une distance de séparation entre l'utilisateur 28.2 mm et l'arrière du téléphone intelligent.l'utilisation de la ceinture des clips, étuis et autres accessoires ne doit pas comportent des éléments métalliques dans l'assemblée.l'utilisation d'accessoires qui ne remplissent pas ces conditions ne peuvent se conformer aux exigences organisé l'exposition aux rf, et devrait être évitée.

Japan:

This device is granted pursuant to the Japanese Radio Law (電波法) and the Japanese Telecommunications Business Law (電気通信事業法)

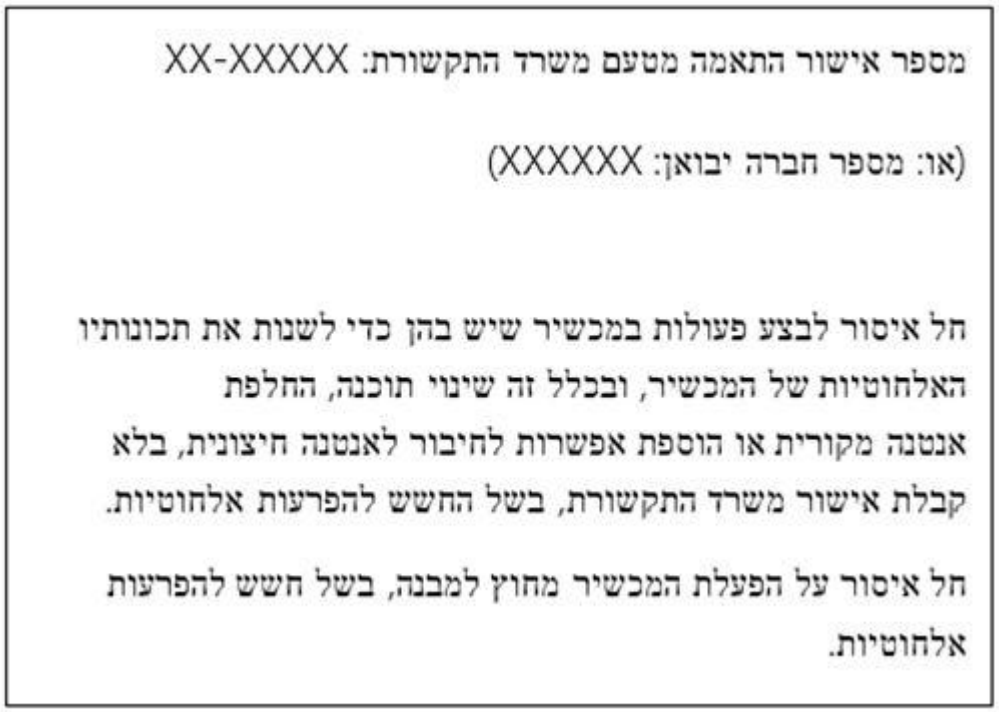
This device should not be modified; otherwise the granted designation number will become invalid.

Mexico:

La operación de este equipo está sujeta a las siguientes dos condiciones:
(1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
(2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Israel:

XX-XXXXX


מספר אישור התאמה מטעם משרד התקשורת: XX-XXXXX

(או: מספר חברה יבואן: XXXXXX)

חל איסור לבצע פעולות במכשיר שיש בהן כדי לשנות את תכונותיו האלחוטיות של המכשיר, ובכלל זה שינוי תוכנה, החלפת אנטנה מקורית או הוספת אפשרות לחיבור לאנטנה חיצונית, בלא קבלת אישור משרד התקשורת, בשל החשש להפרעות אלחוטיות.

חל איסור על הפעלת המכשיר מחוץ למבנה, בשל חשש להפרעות אלחוטיות.

Thailand:

Category 2 Radiocommunication equipment, of which the electromagnetic radiation component is, in normal use, positioned at least 20 centimeters from the body of the user.

เคร%องวิทยุคมนาคมนี้มีระดับการแผ่คลน% แม่เหล็กไฟฟ้าสอดคล้องตาม มาตรฐานความปลอดภัยต่อสุขภาพของมนุษย์จากการใช้เคร%องวิทยุคมนาคมที%คณะกรรมการกิจการโทรคมนาคมแห่งชาติประกาศกำหนด

Taiwan:

低功率警語
Low Power device warning

依據低功率電波輻射性電機管理辦法
第十二條
※經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
第十四條
※低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
-前項合法通信，指依電信法規定作業之無線電通信。
-低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

(Article 12 Without permission granted by the NCC, any company, enterprise, or user is not allowed to change frequency, enhance transmitting power or alter original characteristic as well as performance to a approved low power radio-frequency devices.
Article 14 The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, the user shall cease operating immediately until no interference is achieved. The said legal communications means radio communications is operated in compliance with the Telecommunications Act. The low power radio-frequency devices must be susceptible with the interference from legal communications or ISM radio wave radiated devices.)

- 減少電磁波影響，請妥適使用
(For Reducing RF Influence, Use Properly)

- 為維護隱私權，請妥適使用
(For protect individual privacy, Use Properly)

- 輸入電源端之功率不得超過250VA
(Input power cannot exceed 250VA)

- 輸入電源需使用附的保險絲於產品前端做保護
(The accessory fuse must be used for input power to make protection at the front end)

USA:

FCC § 15.19:
This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC § 15.21 Information to user
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by VALEO Telematik und Akustik could void the user's authority to operate the equipment.

§ 15.105(b) Information to the user.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiofrequency radiation exposure Information:
This equipment complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 28.2 mm between the radiator and your body.