

9. REGIONAL REGULATIONS

This Product has taken the following regulatory modular approval by the antenna described in the chapter 9.1, 9.2, 9.3 and 9.4.

- a) Japanese Radio Law Certification [Japan]
Article 2-1of the Certification Ordinance 19
- b) FCC and IC Certification [North America and Canada]
FCC Part15 SubpartC
RSS-210
- c) R&TTE Directive Certification [EU]
EN 300 328 V1.8.1
EN 301 489-1 V1.9.2
EN 301 489-17 V2.2.1
EN62479:2010
EN60950-1:2006+A11:2009+A1:2010+A12:2011

Customer can certify their product without RF test for regulatory RF certification, if following conditions are satisfied. Otherwise additional RF certifications are necessary.

- 1) Antenna type (shape, size, etc.) shall be similar with the tested antenna by ALPS.
- 2) Antenna gain shall be lower than the tested antenna by ALPS.
- 3) EMC performance shall satisfy the condition of each certification.

These requirements shall be guaranteed by the customer.

FCC requirements:

- ◆ If the FCC ID written in the label which is stuck on the surface of the device can not be seen from outside when it's installed in a customer's product, following indication is necessary to be shown on the product in which the device is installed. And the indication is also necessary to be written in a user manual of the customer's product.

“Contains Transmitter Module FCC ID: CWTUGZZF2”, or
“Contains FCC ID: CWTUGZZF2”

◆ **FCC CAUTION**

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

- ◆ Note: 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.
- ◆ This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

					DSGD.				
					CHKD.	TITLE	HARDWARE SPECIFICATION		
					APPD.	UGZZF-2			
						ALPS ELECTRIC CO., LTD.			
SYMB.	DATA OR NO.	APPD.	CHKD.	DSGD.					

IC requirements:

- ◆ If the IC Number written in the label which is stuck on the surface of the device can not seen from out side when it's installed in a customer's product, following indication is necessary to be showed on the product in which the device is installed. And the indication is also necessary to be written in a user manual of the customer's product.

“Contains Transmitter Module IC: 1788F-UGZZF2”, or
 “Contains IC: 1788F-UGZZF2”

- ◆ This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference,including interference that may cause undesired operation of the device.

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.

- ◆ This Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum(or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

FCC and IC common requirements:

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

Le présent appareil est conforme aux la partie 15 des règles de la FCC et 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.

- ◆ This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation de l'exposition maximale autorisée. Cependant, cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

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