
FCC Statement

This device complies with Part 15 of the FCC Rules. 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.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

The device must be professionally installed

The intended use is generally not for the general public. It is generally for industry/commercial use.

The connector is within the transmitter enclosure and can only be accessed by disassembly of the transmitter that is not normally required. the user has no access to the connector.

Installation must be controlled. Installation requires special training

This module has been assessed against the following FCC rule parts: CFR 47 FCC Part 15 Subpart C (15.247,DSS, DTS) and Subpart E (UNII) has been investigated. It is applicable to the modular transmitter

This radio transmitter 2AR82-SKOW638U101 has been approved by Federal Communications Commission to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

BT and BLE antenna

Antenna	Antenna model	Frequency (MHz)	Antenna Cable Length(mm)	Antenna Type	Antenna Gain (dBi)
1	2.00004829	2402-2480	230	PIFA Antenna	4.93
	2.00004838	2402-2480	405	PIFA Antenna	4.73
2	AG-041533-2120	2402-2480	255	PIFA Antenna	0.91
	AG-041533-2119	2402-2480	390	PIFA Antenna	0.71
3	W-M-D-B-N-0-0230	2402-2480	230	PIFA Antenna	4.70
	W-M-D-B-N-0-0390	2402-2480	390	PIFA Antenna	4.50

Note: The EUT has 3 kinds of antennas(2.0000XXXX, AG-041533-XXXX, W-M-D-B-N-0-XXXX). For every kind antenna, they differ only in line length. For 2.00004829 and 2.00004838, they differ only in line length. For AG-041533-2120 and AG-041533-2119. They differ only in line length. For W-M-D-B-N-0-0230 and W-M-D-B-N-0-0390, they differ only in line length. So for the Radiated Bandedge and Spurious Emission, we use the worst kind 2.00004829, AG-041533-2120 and W-M-D-B-N-0-0230 to test. Other test items we use the worst kind 2.00004829 to test.

2.4 G wifi antenna

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2462	PCB antenna	1.68
2	2412-2462	PCB antenna	1.81

5G wifi antenna

Antenna No.	Frequency (MHz)	Antenna Type	Max Antenna Gain (dBi)
1	5150-5850	PCB antenna	2.01
2	5150-5850	PCB antenna	2.03

Canada Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;

2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Please notice that if the ISED certification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains IC: 24728-SKOW638U101" any similar wording that expresses the same meaning may be used.

l'appareil hôte doit porter une étiquette donnant le numéro de certification du module d'Industrie Canada, précédé des mots « Contient un module d'émission », du mot « IC: 24728-SKOW638U101 » ou d'une formulation similaire exprimant le même sens, comme suit

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

This radio transmitter 24728-SKOW638U101 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio 24728- SKOW638U101 a été approuvé par Innovation, Sciences et Développement

économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

The concrete contents to check are the following three points.

- 1) Must use following one of the three antenna.
- 2) Should be installed so that the end user cannot modify the antenna;
- 3) Feed line should be designed in 50ohm

Fine tuning of return loss etc. can be performed using a matching network.

Le contenu concret à vérifier sont les trois points suivants.

- 1) Une des trois antennes suivantes doit être utilisée.
- 2) doivent être installés de façon que l'utilisateur final ne peut pas modifier l'antenne
- 3) La ligne d'alimentation doit être conçue en 50ohm

Le réglage précis de la perte de rendement, etc. peut être effectué en utilisant un réseau correspondant.

BT and BLE Antenne

Antenne	Modèle d'antenne	fréquences(MHz)	Longueur du câble d'antenne (mm)	Type d'antenne	Gain d'antenne(dBi)
1	2.00004829	2402-2480	230	PIFA Antenna	4.93
	2.00004838	2402-2480	405	PIFA Antenna	4.73
2	AG-041533-2120	2402-2480	255	PIFA Antenna	0.91
	AG-041533-2119	2402-2480	390	PIFA Antenna	0.71
3	W-M-D-B-N-0-0230	2402-2480	230	PIFA Antenna	4.70
	W-M-D-B-N-0-0390	2402-2480	390	PIFA Antenna	4.50

Note: l'eut dispose de trois antennes (2.0000xxxx, Ag - 041533 - XXXX, W - M - D - B - N - 0 - XXXX).Pour chaque antenne, elles ne diffèrent que par la longueur de la ligne.Pour 2.00004829 et 2.00004838, ils ne diffèrent que sur la longueur de la ligne.Pour Ag - 041533 - 2120 et Ag - 041533 - 2119.Ils ne diffèrent que sur la longueur de la ligne.Pour le W - M - D - B - N - 0 - 0230 et le W - M - D - B - N - 0 - 0390, ils ne diffèrent que sur la longueur de la ligne.Par conséquent, nous avons utilisé les pires 2.00004829, Ag - 041533 - 2120 et W - M - D - B - N - 0 - 0230 pour les émissions rayonnées latérales et errantes.D'autres tests ont été effectués avec le pire 2.00004829.

2.4 G wifi Antenne

Antenne	fréquences(MHz)	Type d'antenne	Gain d'antenne(dBi)
1	2412-2462	PCB antenna	1.68
2	2412-2462	PCB antenna	1.81

5G wifi Antenne

Antenne	fréquences(MHz)	Type d'antenne	Gain d'antenne(dBi)
1	5150-5850	PCB antenna	2.01
2	5150-5850	PCB antenna	2.03

Notice to OEM integrator

Must use the device only in host devices that meet the FCC/ISED RF exposure category of mobile, which means the device is installed and used at distances of at least 20cm from persons.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The end user manual shall include FCC Part 15 /ISED RSS GEN compliance statements related to the transmitter as show in this manual. (FCC/Canada Statement).

Host manufacturer is responsible for compliance of the host system with module installed with all other applicable requirements for the system such as Part 15 B, ICES 003.

Host manufacturer is strongly recommended to confirm compliance with FCC/ISED requirements for the transmitter when the module is installed in the host.

The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. It must have on the host device a exterior label showing Contains FCC ID: 2AR82-SKOW638U101 , IC: 24728-SKOW638U101

The use condition limitations extend to professional users, then instructions must state that this information also extends to the host manufacturer's instruction manual. This module is stand-alone modular. If the end product will involve the Multiple simultaneously transmitting condition or different operational conditions for a stand-alone modular transmitter in a host, host manufacturer have to consult with module manufacturer for the installation method in end system.

Any company of the host device which install this modular should perform the test of radiated & conducted emission and spurious emission etc. according to FCC Part 15C: 15.247 and 15.209 & 15.207, 15B class B requirement, only if the test result comply with FCC part 15C: 15.247 and 15.209 & 15.207, 15B class B requirement. Then the host can be sold legally.

This modular transmitter is only FCC authorized for the specific rule parts (47CFR Part 15.247 and 15.407) listed on the grant, and that the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification.

Host manufacturer is strongly recommended to confirm compliance with FCC/ISED requirements for the transmitter when the module is installed in the host.

Must have on the host device a label showing Contains FCC ID: 2AR82-SKOW638U101and Contains IC: 24728-SKOW638U101

l'hôte doit utiliser l'instrument uniquement dans des dispositifs qui répondent à la fcc / (catégorie d'exposition rf mobile, ce qui signifie le dispositif est installé et utilisé à une distance d'au moins 20 cm de personnes. le manuel de l'utilisateur final doit inclure la partie 15 / (fac rss gen déclarations de conformité relatives à l'émetteur que de montrer dans ce manuel.

le fabricant est responsable de la conformité de l'hôte, le système d'accueil avec le module installé avec toutes les autres exigences applicables du système comme la partie 15 b, ices - 003.

accueillir le fabricant est fortement recommandé de confirmer la conformité avec les exigences de la fcc / (émetteur lorsque le module est installé dans l'hôte.

le dispositif d'accueil doivent avoir une étiquette indiquant contient FCC ID: 2AR82-SKOW638U101, IC: 24728-SKOW638U101

The devices for operation in the band 5150-5350 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Les dispositifs destinés à fonctionner dans la bande 5150-5350 MHz sont uniquement destinés à une utilisation intérieure afin d