



# WIFI, LTE Card installation


Install the Virtual Edge Platform (VEP) WIFI carrier cards with the replacement kit supplied. To complete this installation, use the included standoffs, also known as spacers, and screws found in the replacement kit.

 **CAUTION:** To avoid electrostatic discharge (ESD) damage, wear grounding wrist straps when handling this equipment.

 **WARNING:** Customers are not to attempt installing Virtual Edge Platform (VEP) 4600 expansion cards. A Dell EMC Certified technician must perform this installation.

The VEP4600 WIFI carrier card is required to install the validated WIFI/LTE card into the VEP4600 for customers who desire additional ports for their VEP4600. The VEP4600 WIFI carrier card and the WIFI/LTE card will all ship separately from the VEP4600, so before beginning the installation, ensure you have all required devices:

- VEP4600
- VEP4600 WIFI carrier card kit, including bag with standoffs and two screws
  - WIFI/LTE card kit

 **NOTE:** The VEP4600 WIFI carrier card is not attached to the WIFI/LTE card when it ships to the customer.

- 1 Remove the VEP4600 top cover 10 screws and retain the screws from the top cover.

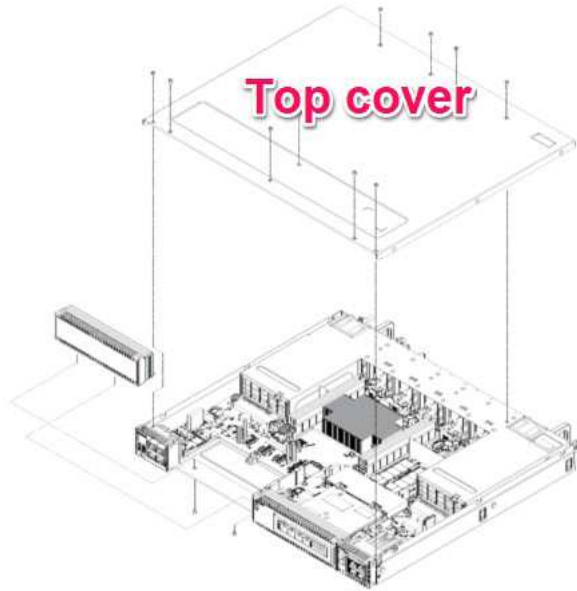


Figure 40. Top cover removal

- 2 Remove and retain the two screws from the bottom of the chassis.

ⓘ NOTE: Must retain top and bottom screws.

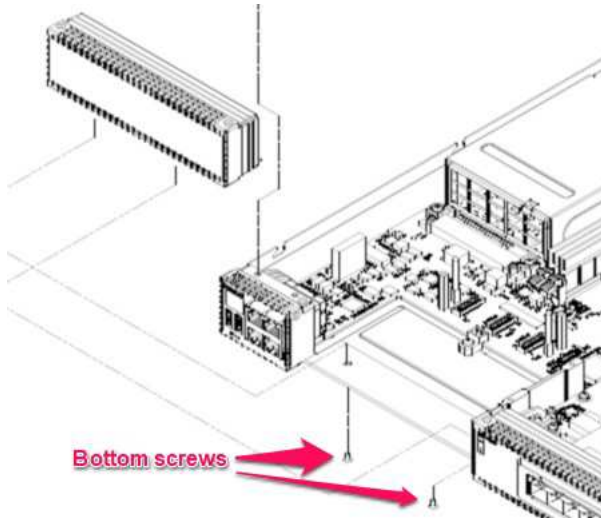


Figure 41. Blank front panel bottom screws

- 3 Decide which VEP4600 WIFI carrier card slot MC1 or MC2, or both, to install the WIFI carrier card card(s) per customer order.
- 4 Pull-up the blank panel from either location MC1 or MC2(s) VEP4600 WIFI carrier card slot.



**NOTE:** Do not leave an VEP4600 WIFI carrier card slot empty. Either a blank panel or installed VEP4600 WIFI carrier card must be installed.

The following steps explain how-to install a VEP4600 WIFI carrier card in slot MC1.

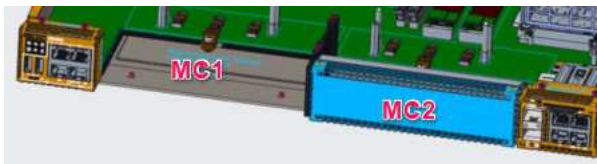


Figure 42. MC1 blank panel location

- 5 Remove the right pin guide labeled Remove guide pin in the MC1 VEP4600 WIFI carrier card slot. See the following figure.

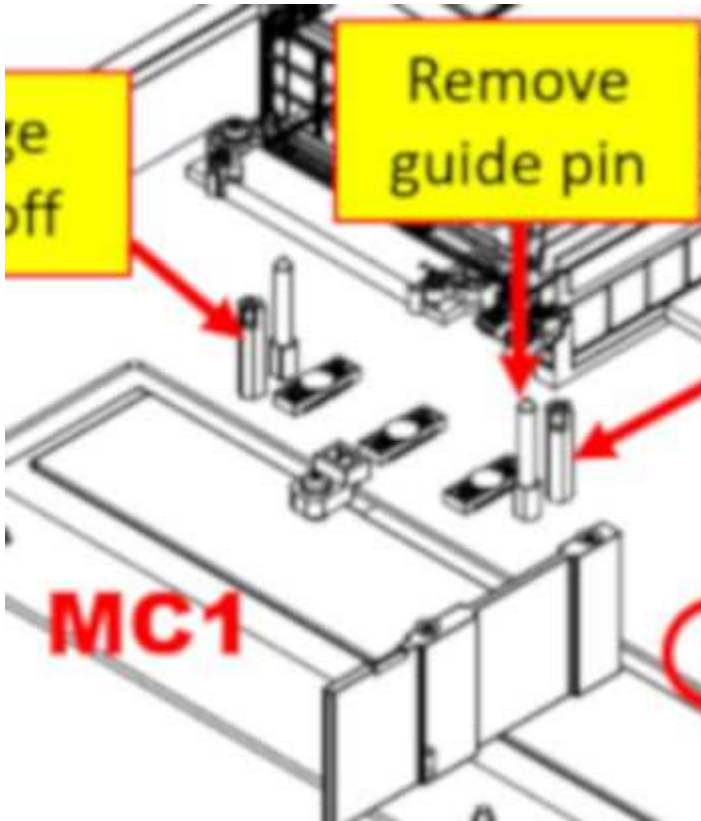


Figure 43. Remove guide pin

- 6 Remove the two standoffs labeled Change standoff in the MC1 VEP4600 WIFI carrier card slot.

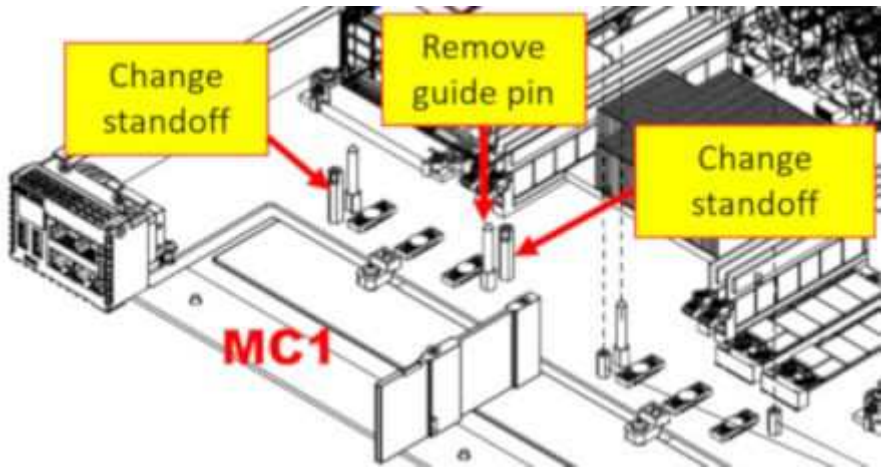


Figure 44. Change standoffs

- 7 Replace the removed standoffs in MC1 VEP4600 WIFI carrier card slot with the shorter standoffs from the VEP4600 WIFI carrier card kit like MC2 in the following figure.
- 8 Be sure you have one guide pin and two shorter standoffs as shown in slot MC2.

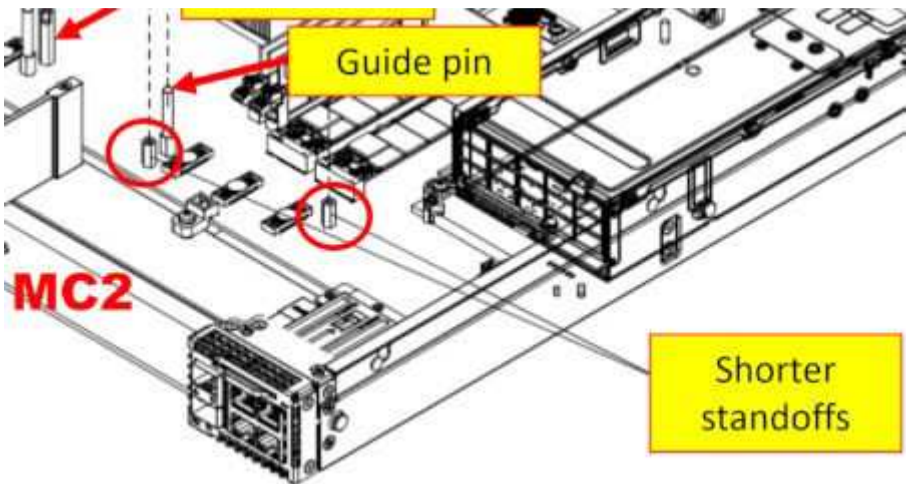


Figure 45. VEP4600 WIFI carrier card guide pin and shorter standoffs

- 9 Locate a WIFI or LTE card.
- 10 Install the WIFI or LTE card WITHOUT their antennas.

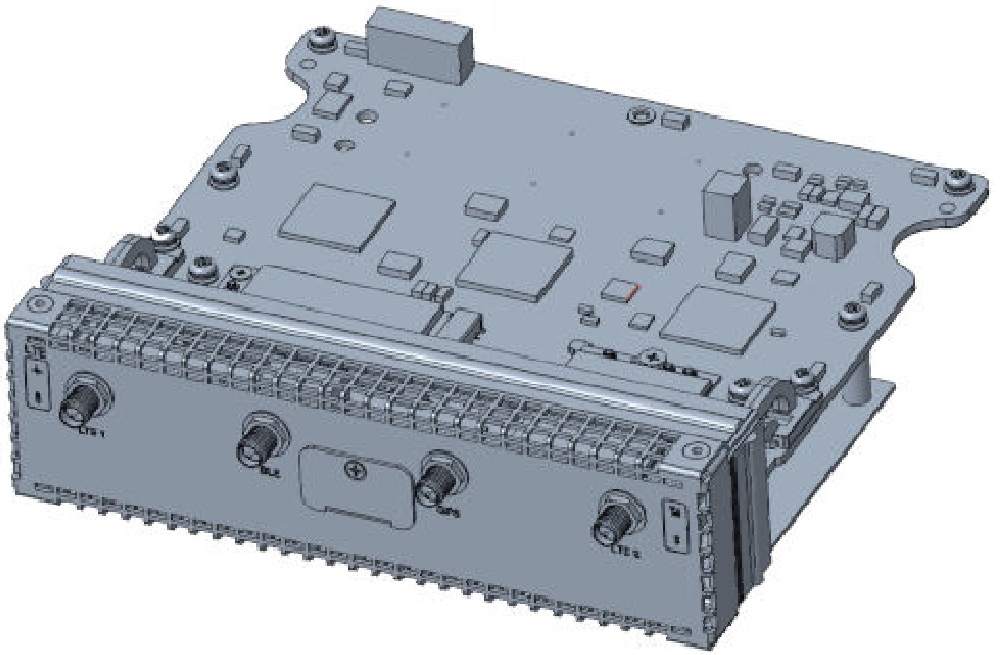


Figure 46. LTE card without antennas

- 11 Place the WIFI or LTE card into either MC1 or MC2 slot on the VEP4600.

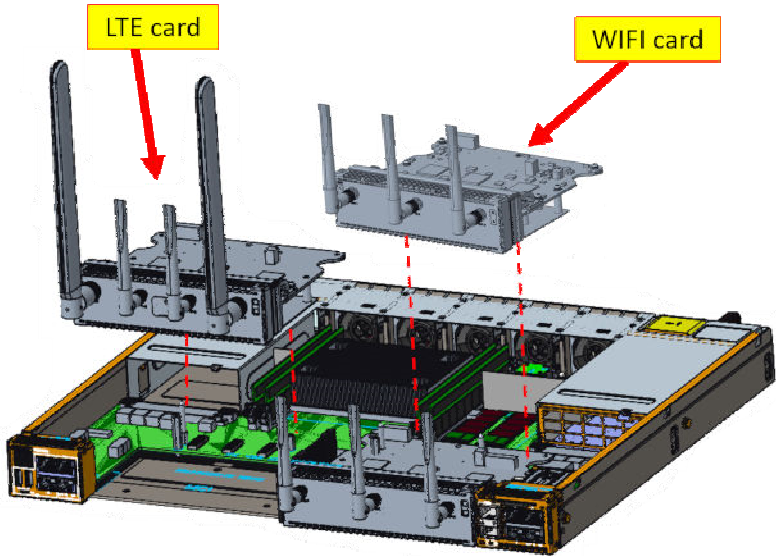


Figure 47. WIFI and LTE card in VEP4600

- 12 Align the hole on the VEP4600 WIFI carrier card with the guide pin installed on the motherboard.



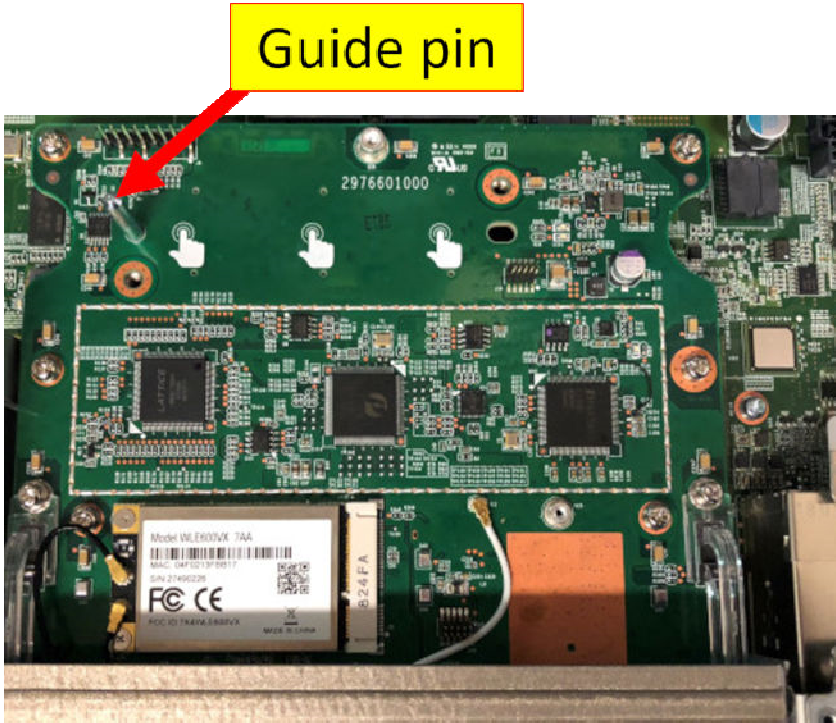


Figure 48. Align WIFI/LTE card on guide pin

- 13 Push the three blue-marked circular locations with two fingers with one hand and one finger of the other hand at the image of a hand with a pointing finger.

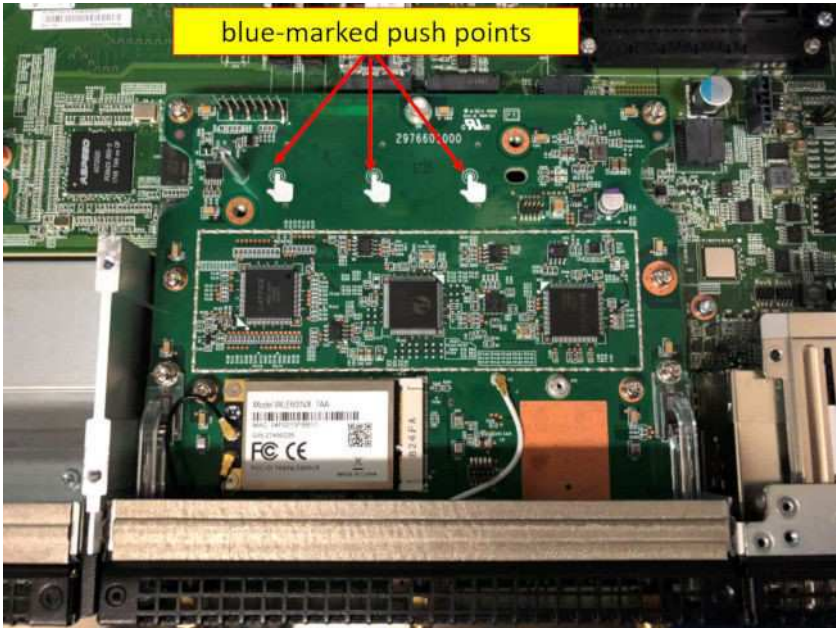


Figure 49. Installation finger push locations

- 14 Remove the two screws from the installation kit. 15 Install the two screws into the shorter standoffs.

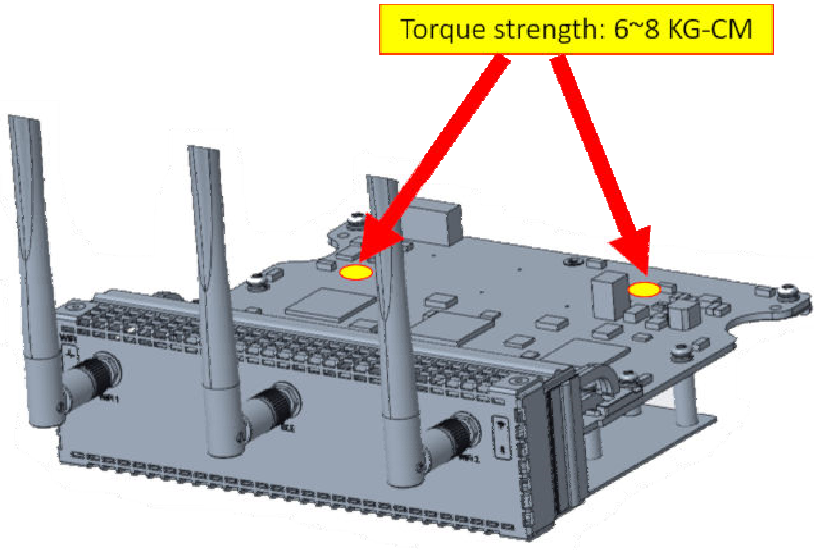


Figure 50. WIFI, GTE screw locations

- 16 Re-install the two screws from bottom chassis so the VEP4600 WIFI carrier card is fully connected to the chassis.
- 17 Replace the cover on the unit and re-install the top ten cover screws.

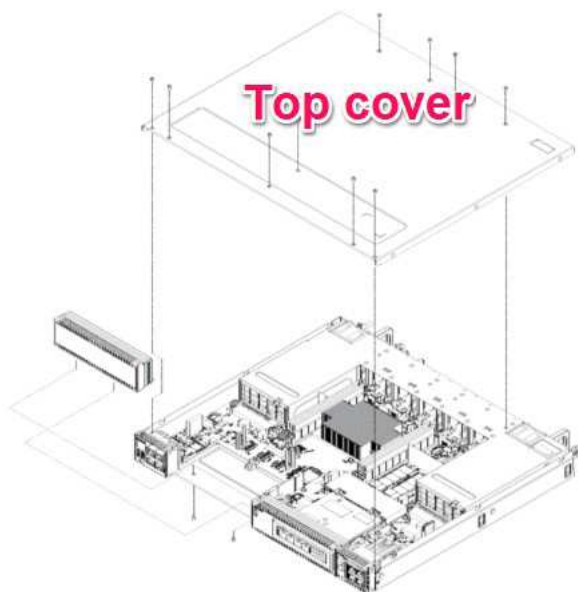


Figure 51. Place the top cover back on the unit

## **Industry Canada statement:**

This device complies with ISED's licence-exempt RSSs. 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'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

### **Radiation Exposure Statement:**

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

### **Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

**This device is intended only for OEM integrators under the following conditions: (For module device use)**

The antenna must be installed and operated with greater than 20cm between the antenna and users, and

2) The transmitter module may not be co-located with any other transmitter or antenna.

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

**Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes: (Pour utilisation de dispositif module)**

1) L'antenne doit être installé et exploité avec plus de 20 cm entre l'antenne et les utilisateurs, et

2) Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

Tant que les 2 conditions ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

**IMPORTANT NOTE:**

In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the IC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

**NOTE IMPORTANTE:**

Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

## **End Product Labeling**

This transmitter module is authorized only for use in device where the antenna may be installed and operated with greater than 20cm between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains IC:1514B-E25W001".

## **Plaque signalétique du produit final**

Ce module émetteur est autorisé uniquement pour une utilisation dans un appareil où l'antenne peut être installée et utilisée à plus de 20 cm entre l'antenne et les utilisateurs. Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: "Contient des IC: 1514B-E25W001".

## **Manual Information To the End User**

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

## **Manuel d'information à l'utilisateur final**

L'intégrateur OEM doit être conscient de ne pas fournir des informations à l'utilisateur final quant à la façon d'installer ou de supprimer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.

Le manuel de l'utilisateur final doit inclure toutes les informations réglementaires requises et avertissements comme indiqué dans ce manuel.

## DETACHABLE ANTENNA USAGE

This radio transmitter (IC: 1514B-E25W001/ Model: E25W, E25W001) has been approved by ISED to operate with the antenna type listed below with maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (IC: 1514B-E25W001/ Model: E25W, E25W001) a été approuvé par ISED 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, sont strictement interdits pour l'exploitation de l'émetteur.

### Approved antenna(s) list

Type	Gain
Dipole	2.0dBi



## **Federal Communication Commission Interference 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.

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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

### **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 minimum distance 20cm between the radiator & your body.

## **This device is intended only for OEM integrators under the following conditions:**

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

As long as **2** conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed

**IMPORTANT NOTE:** In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

### **End Product Labeling**

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains FCC ID: E2K-E25W001". The grantee's FCC ID can be used only when all FCC compliance requirements are met.

### **Manual Information To the End User**

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

# 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。