



# Murata WirelessHD Sink Radio Module

SUX-1278

Installation Manual

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Murata Manufacturing Co., Ltd.

# 1. Overview

SUX-1278 is a WirelessHD sink transceiver module that is installed in a high-definition (HD) video/audio receiver system. It is designed to operate as part of a Wireless video/audio Network (WVAN) in the 57 to 64GHz band. The 60GHz-band mm-wave signal is received via a patch array antenna, and a HD video/audio signals are re-generated in this module.

# 2. Installation

SUX-1278 shall be installed into a video/audio receiver system with the patch array antenna facing the front of the system. SUX-1278 needs to be grounded to a system ground. Some fixing holes can be used as a ground terminal. A shielded cable needs to be used as a video/audio cable connected to the module.

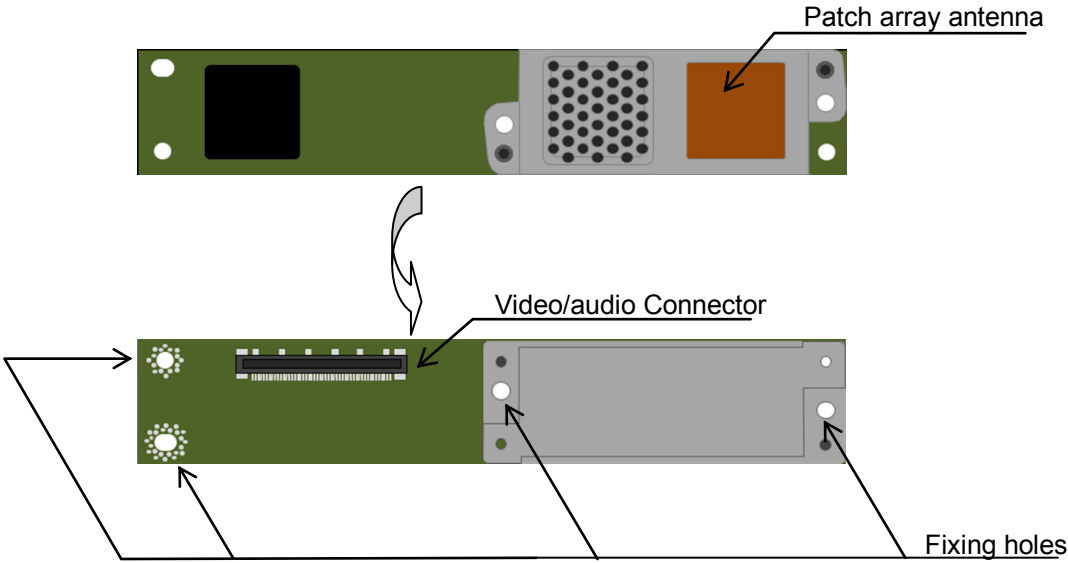


Fig.1 SUX-1278 Overview



## **USA-Federal Communications Commission (FCC)**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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. If not installed and used in accordance with the instructions, it 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 tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to 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 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.

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

### **Labeling**

MURATA Wireless HD source radio module SUX-1278 labeled as below.

### **FCC ID: XCSSUX-1278**

The proposed with FCC ID label format is to be placed on the module. If FCC ID is not visible when the module is installed into the system, "Contains FCC ID: XCSSUX-1278" shall be placed on the outside of final host system.



**Caution: Exposure to Radio Frequency Radiation.**

To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

## Canada-Industry Canada (IC)

This device complies with RSS 210 of Industry Canada.

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.

L' utilisation de ce dispositif est autorisée seulement aux conditions suivantes :

- (1) il ne doit pas produire de brouillage et
- (2) l' utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropic radiated power (EIRP) is not more than that required for successful communication.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

### Labeling

MURATA Wireless HD source radio module SUX-1278 labeled as below.

### **IC: 8343A-SUX1278**

The proposed with IC ID label format is to be placed on the module. If IC ID is not visible when the module is installed into the system, "Contains IC: 8343A-SUX1278"



shall be placed on the outside of final host system.

**Caution: Exposure to Radio Frequency Radiation.**

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website at [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).