Endress+Hauser
People for Process Automation

Radio Approvals FMA90, RU48

1. WLAN Function

Communication Standard:	IEEE 802.11 b/g/n
Frequency range (carrier):	2412 - 2462 MHz
Number of channels:	1-11
Antenna:	internal

2. Radio approvals

Europe

CE

Endress+Hauser Wetzer GmbH+Co. KG declares as manufacturer under sole responsibility, that the product FMA90 RU48 conforms to following European directives 2014/53/EU and 2011/65/EU.
The complete text of the EU declaration of conformity can be found at the following web address:
www.endress.com

► RF exposure

A minimum separation distance of 0 mm is maintained between the user's body and the device, to comply with the RF exposure requirements in Europe.

The device operates with the following frequency bands and transmitting power:

Frequency bands	Maximum output power
WIFI 2.4G Band	18 dBm

SD03431T/09/EN/01.25-00
2025-07-07

United States FCC

Contains FCC ID: 2ARRT-FMRU

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

Changes or modifications made to this equipment not expressly approved by Endress+Hauser may void the user's authorization to operate this equipment.
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.

► RF exposure

This device has been tested for compliance with FCC SAR values at a typical operating near the body. To ensure that RF exposure levels below the levels tested, use accessories with this equipment to maintain a minimum separation distance of 0mm between the body of the user and the device.

Canada

Contains IC: 24525-FMRU

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s license-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.

► RF exposure

This device has been tested for compliance with IC SAR values at a typical operating near the body. To ensure that RF exposure levels below the levels tested, use accessories with this equipment to maintain a minimum separation distance of 0mm between the body of the user and the device.

Ce dispositif a été testé pour la conformité avec les valeurs SAR à un fonctionnement typique près du corps . Pour assurer que les niveaux d'exposition aux radiofréquences en deçà des niveaux testés , utiliser des accessoires avec cet équipement pour maintenir une distance de séparation minimale de 0mm entre le corps de l'utilisateur et l'appareil.

This radio transmitter 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 a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés cidessous 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.