Tessonics R05-F-2 Receiver User Manual

R05-F-2 Receiver
User Manual

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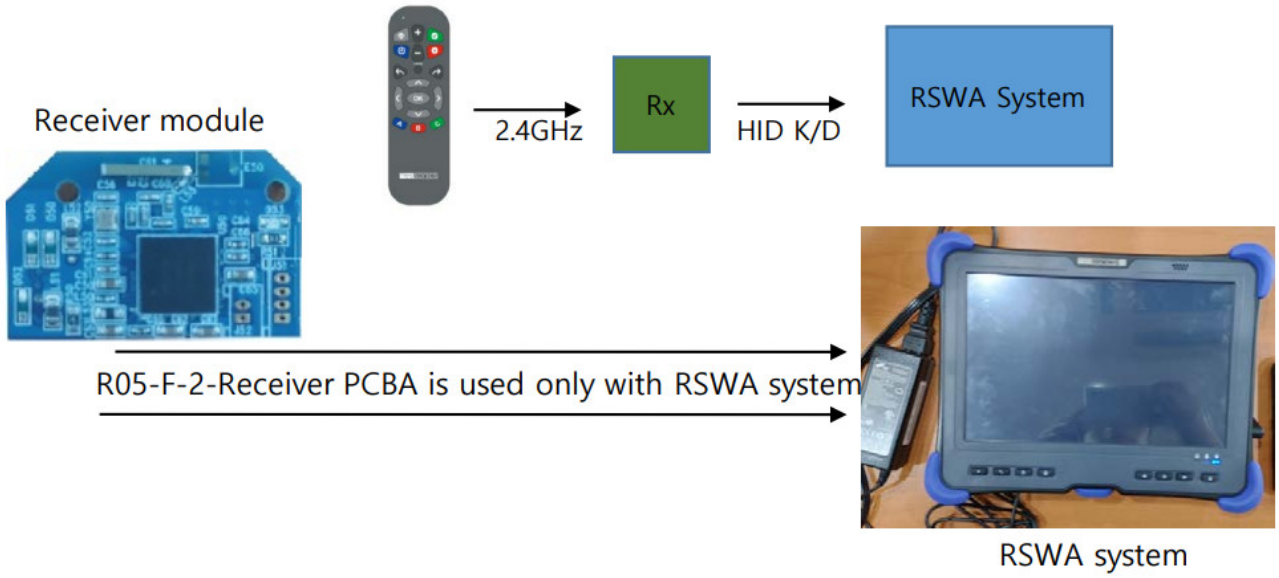
Introduction

The Tessonics Receiver is designed to be integrated into the RSWA System to receive from the Tessonics Remote Control.
The RSWA System is a portable Ultrasonic Quality Inspection Platform used for the automotive industry. The operator will use the remote control to operate the system to produce ultrasonic c-scan images of defects and structures within spot welds and adhesive joints.



Model: R05-F-2-RECEIVER
Description: Tessonics Receiver
Applicant : Celadon Inc.
Manufacturer Factory: Hyun Seung I&C Co., Ltd
RF IC: Nordic semiconductor NRF52833
Communication with RSWA system through 12505WR-05 connector
Input rated : 5.0 Vd.c, 0.5 A
Size : 18.0 x 28.0 (mm), 1.6T

FCC Compliance 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.
FCC Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate the equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
FCC ID: YI5-R05F2REC
Information on test modes and additional testing requirements
a) The modular transmitter has been fully tested by the module grantee on the required number of channels, modulation types, and modes, it should not be necessary for the host installer to re-test all the available transmitter modes or settings. It is recommended that the host product manufacturer installing the modular transmitter, perform some investigative measurements to confirm that the resulting composite system does not exceed the spurious emissions limits or band edge limits (e.g., where a different antenna may be causing additional emissions).
b) The testing should check for emissions that may occur due to the intermixing of emissions with the other transmitter, digital circuitry, or due to the physical properties of the host product(enclosure). This investigation is especially important when integrating multiple modular transmitters where the certification is based on testing each of them in a stand-alone configuration.
It is important to note that host product manufacturers should not assume that because the modular transmitter is certified that they do not have any responsibility for final product compliance.
c) If the investigation indicates a compliance concern the host product manufacturer is obligated to mitigate the issue. Host products using a modular transmitter are subject to all the applicable individual technical rules as well as to the general conditions of operation in Sections 15.5,15.15, and 15.29 to not cause interference. The operator of the host product will be obligated to stop operating the device until the interference has been corrected.

Additional testing, Part 15 subpart B disclaimer
The final host/module combination needs to be evaluated against the FCC Part 15B criteria for unintentional

radiators in order to be properly authorized for operation as a Part 15 digital device. The host integrator installing this module into their product must ensure that the final composite product complies with the FCC requirements by a technical assessment or evaluation to the FCC rules, including the transmitter operation, and should refer to guidance in KDB 996369.
This appliance and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter.

- OEM integrators must ensure that its product is electrically identical to the device, FCC ID: FCC ID: YI5-R05F2REC reference designs. Any modifications to module reference designs may invalidate regulatory approvals in relation to the product or may necessitate notifications to the relevant regulatory authorities.
- OEM integrators are responsible for regression testing to accommodate changes to designs, and new antennas, and host and submit for C2PC filings.
- Colocation with other transmitter modules will be addressed through filings for those co-located transmitters when necessary or the colocation of other transmitters will be according to applicable KDB guidelines including those for RF exposure.
- Appropriate labels must be affixed to the product that complies with applicable regulations in all respects. The regulatory label on the final system must include the statement: “Contains FCC ID: YI5-R05F2REC”

Industry Canada Statement
This device complies with Industry Canada license-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.

Documents / Resources

	Tessonics R05-F-2 Receiver [pdf] User Manual R05F2REC, YI5-R05F2REC, YI5R05F2REC, R05-F-2, Receiver, R05-F-2 Receiver