



Modular Transmitter Approval Request

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Company name: RADWIN Ltd.
FCC ID: Q3K-5XACMD3C

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v01r04'. FCC ID: Q3K-5XACMD3C has been examined against the following requirements.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v01r04'	Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved)
The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly	The module has its own RF shielding as shown in the presented in the photo at the end of this document.
The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal	The module is based on Atheros chipset which provides the buffering and data/modulation.
The module must contain power supply regulation on the module	The module certification type is LMA but nevertheless it has on-board regulators for power supply as seen in the schematics page 5.
The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	The module is supplied with unique antenna connector. The module is installed into the device at RADWIN's production line with the unique antenna cabling and connectors, as tested. Only the RADWIN antennas detailed in the manual are marketed with the module. The final installation of the unit is done only by professional installers trained by RADWIN representatives.
The module must demonstrate compliance in a stand-alone configuration	The unit was tested in a stand-alone configuration. The test was performed with an open configuration enclosure with the module exposed and attached to a digital board representing typical RADWIN host configuration.
The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	The module will be labeled with the FCC ID: Q3K-5XACMD3C and IC: 5100A-5XACMD3C as shown in the photo at the end of this document. The device into which the module is installed will also display a label referring to the enclosed module as shown at the end of this document: "Contains FCC ID: Q3K-5XACMOD, Contains IC: 5100A-5XACMOD".

The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee	The module was tested for compliance with FCC rule Part 15 subparts C. The integration of the module is done by RADWIN and there is no access to RADWIN manufactured device by third party.
The module must comply with RF exposure requirements	The module complies with RF exposure requirements as shown in the MPE documents



Module with the RF shielding and Label

RADWIN RADWIN 2000 <description>  S/N: <serial number>  P/N: <part number>  VER: x.x.x.xx		 
Contains FCC ID: Q3K-5XACMD3C Contains IC: 5100A-5XACMD3C IP67 Type 4 Enclosure		ANTENNA ALIGNMENT BUZZER: BEST SO FAR  INCREASED  SAME  DECREASED  NO AIR LINK  HSS MISMATCH 

External Label sample attached to host enclosure



Name: Roni Barshan

Date: Aug 27, 2015

Title: RF Department Manager

Signature of applicant

A handwritten signature in blue ink, consisting of a stylized 'R' followed by a horizontal line and a loop.