RADWIN

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

Date: March 29, 2021

Subject: **Modular Transmitter Application**

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

Dear Sir/Madam,

This letter includes the FCC application requirements for Modular Transmitter Approval Request for;-

FCC KDB 996369 D01 'Module Certification Guide v02; and
FCC KDB 996369 D03 OEM Manual v01

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Equip Auth Guide v02'. FCC ID: Q3K-5XSUALMOD has been examined against the following requirements.

Requirement per 15.212 and KDB 996369 D01	**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 RF shielding on the radio section
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 a self-sustaining assembly board containing the power supply block, CPU, Ethernet communication and radio block on a single board. The radio is based on Qualcomm chipset which provides the buffering and data/modulation.
The module must contain power supply regulation on the module.	As mentioned above the module contains also the power supply regulation.
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 §§ 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 host 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 host is done only by professional installers trained by RADWIN representatives.
The module must demonstrate compliance in a stand-alone configuration.	The unit was tested while inserted in host

The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	The module will be labeled with the FCC ID: Q3K-5XSUALMOD. The host into which the module is installed will also be labeled with reference to the enclosed module: “Contains FCC ID: Q3K-5XSUALMOD”.
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 to FCC rule Part 15 subpart E. 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

Integration Instructions for host product manufacturers

The following items are submitted in support of application for Modular Transmitter FCC ID as noted above as required by the FCC KDB 996369 D03 OEM Manual v01.

These items are provided as integration instructions for host product manufacturers (e.g., OEM instruction manual) to use when integrating a module in a host product.

Any requirements that are not applicable to the Module are as indicated below.

Summary of requirements and Checklist. Refer to the KDB for description of the complete requirements;

KDB Ref Sect	Requirements of KDB 996369 D03	User Manual Page Number reference
2.2	List of applicable FCC rules	5, 6
2.3	Summarize the specific operational use conditions	5, 6
2.4	Limited module procedures	4
2.5	Trace antenna designs	Not Applicable
2.6	RF exposure considerations	3
2.7	Antennas	5
2.8	Label and compliance information	6
2.9	Information on test modes and additional testing requirements	Not Applicable
2.10	Additional testing, Part 15 Subpart B disclaimer	Not Applicable

Name: Shlomo Weiss **Date: March 29, 2021**

Title: Standardization Officer

Signature of applicant