

Applicant's company name : Illumi solutions inc.
Address : 1800 Preston Park Blvd., Suite 220, Plano TX, 75093, USA
FCC ID : 2AEHU-MESHTEK-H52

REQUEST FOR MODULE APPROVAL

The MeshTek BLE Module Model: MeshTek-H52 is seeking FCC authorization as a modular transmitter. The requirement of FCC 15.212 is met. The following requirements are fulfilled:

- (i) The radio elements of the modular transmitter must have their own shielding.
The shielding of the radio portion can be demonstrated in exhibition External photo.
- (ii) The modular transmitter must have buffered modulation/data inputs
Buffered data input stage has been integrated in chip (nRF52832)
- (iii) The modular transmitter must have its own power supply regulation.
The part number of the power regulator is chip (nRF52832)
- (iv) The modular transmitter must comply with the antenna and transmission system requirements of Sections 15.203, 15.204(b) and 15.204(c).
The antenna is PCB antenna layout on the module and spurious emission have been fulfilled, please refer to the Test Report.
- (iv) The modular transmitter must be tested in a stand-alone configuration.
The EUT was tested in a stand-alone configuration. The controller board that is connected to is for collection of data only.
- (v) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.
The EUT will be labeled with its own FCC ID number. The instruction on the labeling rule of the product has been stated in the User Manual of this module. Please refer to the Label and User Manual exhibition.
- (vi) The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.
The EUT is compliant with all applicable FCC rules. Detail instructions are given in the user Guide.
- (viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.
Instructions are given in the installation manual for compliance to the RF exposure requirements. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Sincerely,

Signature



Name

: Swapnil Bora