

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

Modular Approval Request

FCC ID: 2A8O9-EM2050

The following attestation addresses the requirements to support modular approval:

Modular approval requirement	Yes (provide brief statement)	No *
(a) 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	Yes, all elements are shielded and protected as requested	
(b) 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	Yes, the module has buffered modulation/data input	
(c) The module must contain power supply regulation on the module	Yes, the module contains power supply regulation	
(d) 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)	Yes, the module contains four antenna connectors (type U.FL): TX/RX sub-GHz Band port, ISM S-Band TX, S-Band RX and GNSS. Max allowed antenna gain for sub-GHz Band is 10 dBi and max allowed antenna gain for S-Band is 7.5 dBi, as reported in the filing; recommended antenna for S-Band is the PCB omnidirectional antenna type EMAS100 made by EchoStar Mobile Ltd. with a transmission gain of 0 dBi and, for the sub-GHz Band, any commercial antenna up to 10 dBi maximum gain, as detailed in the User manual	
(e) The module must demonstrate compliance in a stand-alone configuration	Yes, the module has demonstrated compliance in a stand-alone configuration (see test reports n. REP044593 and n. REP044594 issued by Nemko S.p.A.	
(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	Yes, the module is labelled with its permanently affixed FCC ID label	

Modular approval requirement	Yes (provide brief statement)	No *
(g) The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements	Yes, the module complies with FCC Part 15C and Part 25; instructions for compliance requirements are provided in the User Manual	
(h) The module must comply with RF exposure requirements	The module complies with the § 2.1091 limits for RF Exposure and § 1.1307 (b)(3)(i)(B) exemption limits, both evaluated in multi-transmission mode	

* Please provide a detailed explanation if the answer is "No."

Sincerely,

Signed:



Date: 09/10/2024

Printed name: Telemaco Melia

Title: VP & General Manager