
To: Federal Communications Commission

Attention: Certification Officer **Date:** July 26, 2021

EMC Ref: M2105018

Subject: FCC FILING – Original Certification – FCC ID: 2AZ55-FSPOR0201

Company: Fleet Space Technologies
Device: Fleet Portal
FCC ID: FCC ID: 2AZ55-FSPOR0201
Model: FSPOR0201-2

Fleet Space Technologies is applying for original certification of the Fleet Portal. The device is a network system that performs collection and storage of data from the LoRa IoT deployment as well as forwarding this data to the satellite constellation.

Manufacturer's Technical Description:

The Portal is designed to allow versatile connection to a range of satellite and terrestrial networks. Hence it has interfaces on the carrier board for both ORBCOMM and FLEET SPACE Centauri compatible radios. The Portal also allows an internet backhaul to networks like 4G/NB IoT, Wi-Fi and the Ethernet port to bypass the SATCOM system for communication with the Fleet created API called 'NEBULA'

EUT Transmitter Details:

The Fleet Portal contains the following:

- 902 – 928 MHz LoRa Transceiver
- u-blox pre-approved WiFi (FCC ID: XPYLILYW1, IC: 8595A-LILYW1)*
- Quectel pre-approved 4G (FCC ID: XMR201805EC21AU, IC: 10224A-20198EC21AU)

*u-blox LMA C2PC recently granted for use in Fleet Portal with new antenna.

Confidentiality – Internal Photographs (permanent):

As part of this application, Fleet Space is requesting permanent confidentiality for the internal photographs.

Please refer to "Fleet FCC confidentiality_IntPhotos_29 June 2021" for Fleet Space justification (as per KDB 726920 D01) and Mutual NDA Fleet rev 2 (copy of Fleet Space NDA).

Variant Model

This application is also for variant model FSPOR0201-3 containing:

- 902 – 928 MHz LoRa Transceiver (as per above)
- u-blox pre-approved WiFi (as per above)
- and Quectel pre-approved NB IoT (FCC ID: XMR201707BG96, IC: 10224A-201709BG96)

Refer to "Portal_FCC_variant_difference_fleet.space" for justification and details of variant.

EMC Technologies is acting as agent Fleet Space Technologies in this application.



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