**Satellite Information Input Form**

Note: This information may be opened to public via JAXA/NASA web site or so on. If confidential information is included, please mark on it.

[BIRDS-X]

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1. General Information

Size: 2U

Number: 1 ea

Country of Owner: [Japan]

Country of Operation: [Japan]

P/N: DRAGONFLY-FM-01

S/N: 001J

1. Purpose and Description:

The priority in this mission are :

1. APRS (Automatic Packet Reporting System) Communication Competition

a-l. APRS Mission Payload Competition

Participants will develop satellite-mounted APRS mission payloads and compete to see how much data they can receive from the ground. The 1U portion of the 2U will be used for this competition, and about 5-6 payloads will be loaded.

a-2. APRS ground terminal competition

Participants will develop a ground terminal capable of APRS communication, send packets to the APRS standard payload mounted on the satellite, and compete to see how much data can be transmitted.

1. In-orbit demonstration of low-cost UHF transceiver
2. Monitoring of volcanic activity using APRS ground terminal
3. Timeframe and Duration:

Planned delivery date to JAXA: August, 2024

Desired launch date: September, 2024

Desired deployment date: December, 2024

1. Image (CG) of Satellite (if available):

