

Emission Frequency

Applicant: Firefly Aerospace

STA File Number: 0617-EX-ST-2020

STA Confirmation Number: EL140869

FRN Number: 0028054328

The Firefly Alpha launch vehicle is capable of transmitting in the 2200.5 to 2300.5 MHz frequency band. The vehicle has two Downlinks, one for telemetry and one specifically for location/ranging information. We respectfully request 2260MHz for the Main Telemetry Downlink (3M90G1D) and 2240MHz (780KG1D) for the Secondary Ranging Downlink. The Link Budgets associate frequencies are provided in the SDD attachment submitted with this application.

The frequency accuracy of the radio is ± 1 ppm over temperature and ± 6 ppm for all causes, including aging over 5 years.