Loon LLC Form 442 File Number: 0609-EX-CN-2020 Date of Submission: July 31, 2020

EXHIBIT A - NARRATIVE STATEMENT

Consistent with the standards set forth in Section 5.63 of the Federal Communications Commission's (FCC's or Commission's) Rules, 47 C.F.R. § 5.63, Loon LLC (Loon) requests a new Experimental Radio Service License (Experimental License) and outlines below the compelling reasons why the application should be granted expeditiously.

Loon Background

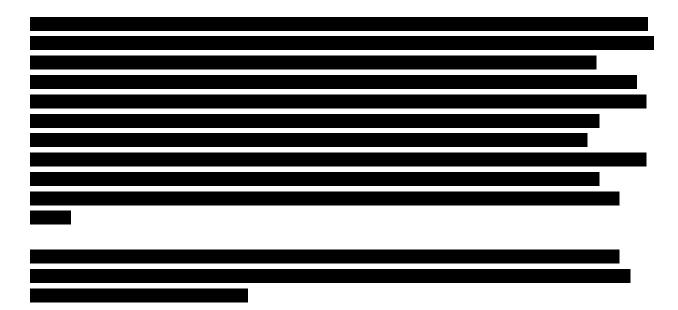
Loon is working to bring HAPS-powered Internet access to unserved and underserved communities around the world.



Description of the Program

Loon seeks the instant Experimental License to evaluate the performance of 700 MHz spectrum for communications with terrestrial UE. Loon's experiments involving 700 MHz spectrum will complement ongoing tests already approved by the FCC involving E-band spectrum under call signs WI2XCS and WH2XUP to interconnect between Loon HAPS balloons and ground terminals.





Loon will have the ability to terminate transmissions if the platforms exit the test area. First, the platforms will continue to contain a GPS receiver. If the receiver detects that the platform has exited the test area, it will automatically disable transmissions over the test frequencies. Second, connections to the ground infrastructure can be used to manually disable transmissions. Third, the airborne radios will automatically be disabled if the connection to the ground infrastructure is lost for a defined period of time.

The proposed experimental operations accordingly will be conducted without harmful interference to other authorized users. Should any interference be reported, the proposed tests will cease immediately unless and until the interference is resolved to the satisfaction of the complainant. Protected users should report possible interference to Ben Wojtowicz of Loon (email: loon-fcc@google.com; telephone: 847-767-0554).

Regulatory Contact

Jeanette Kennedy 1600 Amphitheatre Parkway Mountain View, CA 94043 650-495-6228 jtkennedy@loon.com

Technical Contact

Ben Wojtowicz, Engineering Lead 1600 Amphitheatre Parkway Mountain View, CA 94043 847-767-0554 bwojtowi@loon.com Loon LLC Form 442 File Number: 0609-EX-CN-2020 Date of Submission: July 31, 2020

EXHIBIT B - TECHNICAL INFORMATION

Applicant Name: Loon LLC Applicant FRN: 0026885012

Technical Contact Details

Name of Contact: Ben Wojtowicz, Engineering Lead Contact Details: 1600 Amphitheatre Parkway, Mountain View, CA 94043 Phone: 847-767-0554 Email: <u>bwojtowi@loon.com</u>

Should any interference be reported, the proposed operator will cease transmissions immediately unless and until the interference incident has been resolved. The technical point of contact above has "kill switch" capability for all devices involved in the proposed conventional experimental license application ("License Application").

Legal Contact Details

Name of Contact: Jeanette Kennedy, Regulatory Affairs Manager Contact Details: 1600 Amphitheatre Parkway Mountain View, CA 94043 Phone: 650-495-6228 Email: jtkennedy@loon.com

Explanation

Loon LLC ("Loon") seeks to operate High-Altitude Platform Station ("HAPS") launched from Spaceport America that will interconnect with UE.