



Request for Modification to License (Corrected for frequency)

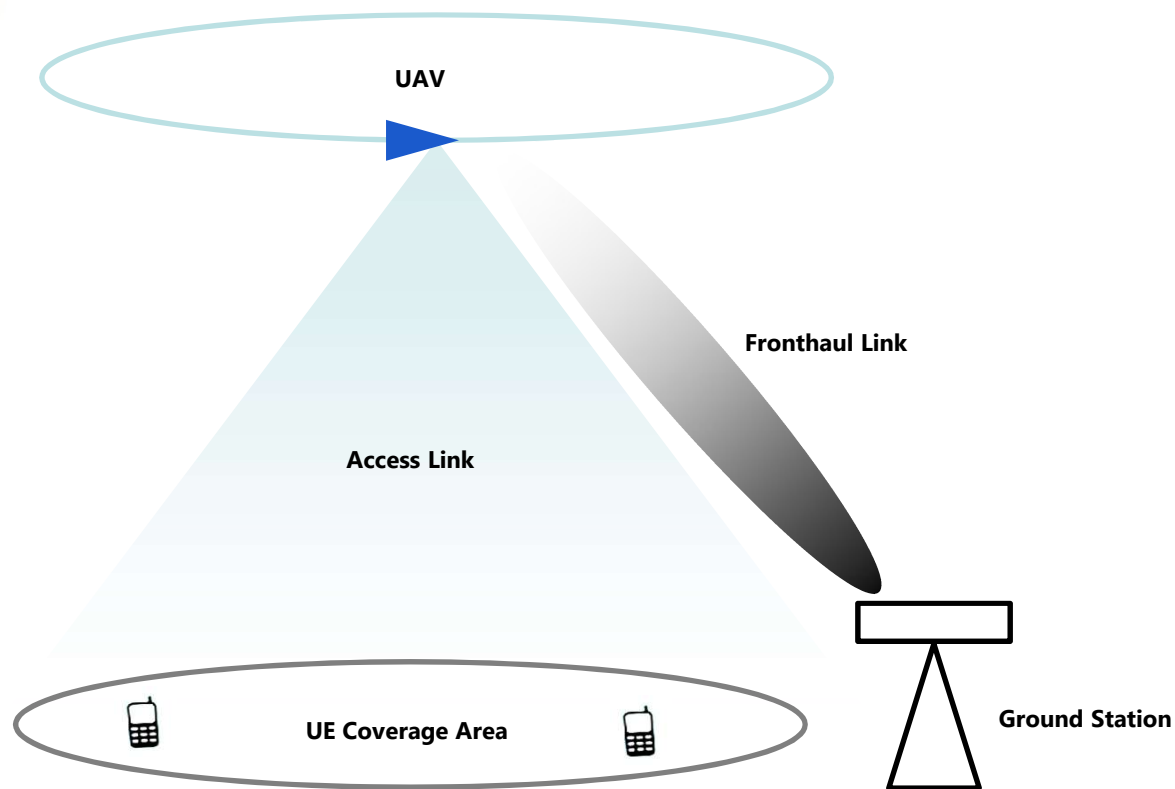
October 09, 2019

Proprietary

Modification Details

- The modification request is solely to increase the maximum peak transmission power from 20W to 31.6 kW for the 2110-2200 MHz at the Jornada NM test site and 2100-2200 at the Apache City, CO test site, frequencies.
- These frequencies pertain to the establishment and performance evaluation of a UAV communications network with Configuration 2 (seen next slide)
- The purpose of the modification is to enable the use of up to a 4 x16 MMIMO directional antenna array, for a UAV to ground station link, with optional power amplification, for 5G applications.
- All other characteristics of the original application remain unchanged.

UAV Network: Configuration 2



Transmission Frequencies (MHz)

UAV to UE

- 2620-2690

UAV to GS

- 2110-2200 (NM)
- 2100-2200 (CO)

GS to UAV

- 1920-2010