



Request for Modification to License

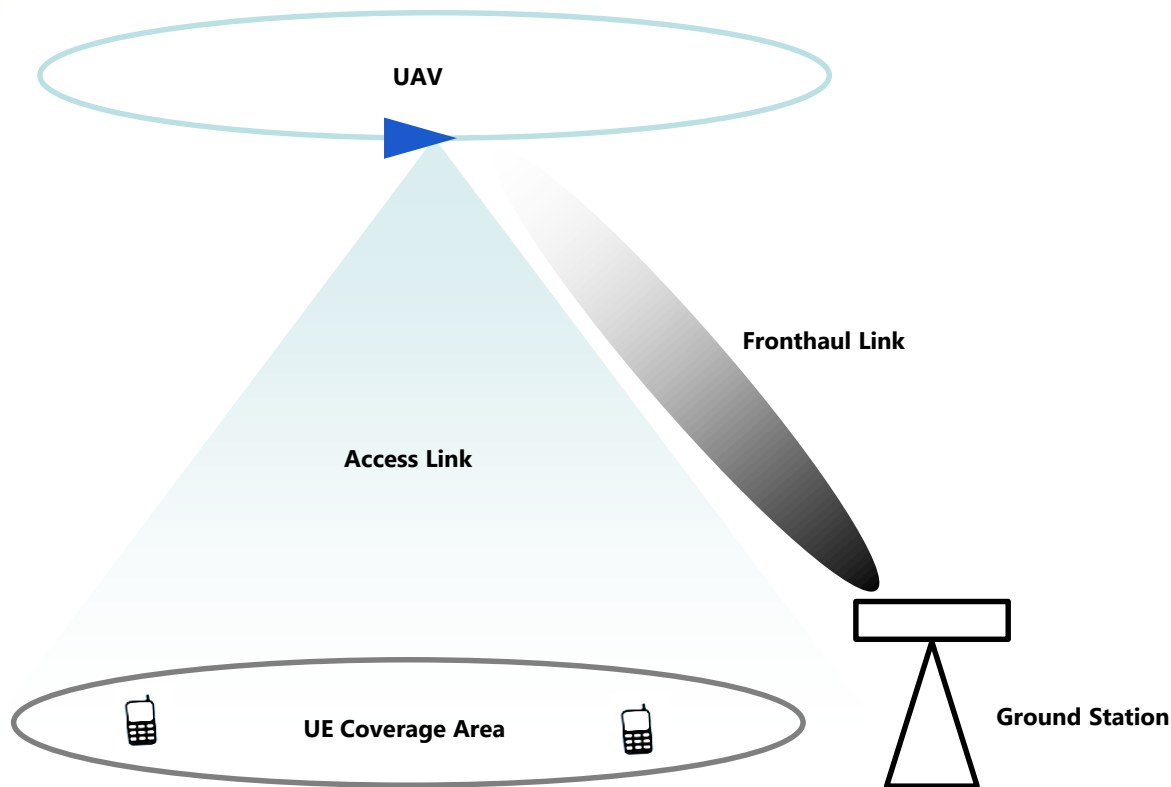
September 18, 2019

Proprietary

Modification Details

- The modification request is solely to increase the maximum peak transmission power from 20W to 31.6 kW for the 2100-2200 MHz frequency range at both our NM and CO test sites.
- This frequency use pertains 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
2100-2110

➤ GS to UAV
1920-2010