EXPLANATION OF AMENDMENT

The pending application under File No. 1133-EX-ST-2020 is being amended to:

1. For each of the locations on the application, insert a new transmitting device the purpose of which will be report telemetry information (via Wi-Fi) to the ground for the Helikite, in the frequency range 2412-2462 MHz. Part of the data collection will require real-time transmission of sensor data from the Helikite™ to the ground station. This will be achieved by the use of a pair of commercial, off-the-shelf (COTS) radios operating in the range 2412 to 2462 MHz specifically intended for operation of a wireless network in accordance with the IEEE 802.11 protocols. One of the radios will be attached to the Helikite, and the second one will be located at a ground station which will be within 1 km of the Helikite location.

The new device – a Ubiquity Bullet M2 – is already certified by the FCC for unlicensed operation (See FCC ID No. SWX-M2BW). However, out of an abundance of caution the pending application is being amended to seek experimental authority for the specific operational scenario planned for this device.

2. For each of the locations on the application, increase the "Overall height above ground to tip of antenna in meters" from 100m to 120m.