

## **T-HAWK Communication Description**

The communication system has three independent radio frequency (RF) signal elements, which are described below:

- i. Uplink**—The RF uplink transfers command and control information from the GCS to the AV. All aircraft commands and information generated in the GCS, including mission data, are transmitted to the aircraft over this link.
- ii. Downlink**—The RF downlink transfers payload video signal and data generated in the AV from the AV to the GCS. Downlink data includes flight systems data and navigation sensor data.
- iii. GPS Signal**—The GPS signal is transmitted from multiple GPS satellites to the GPS receiver onboard the AV. The signals are used by the GPS receiver to generate AV position for the avionics system.

The C2 Link and Video Link consist of the following frequencies:

C2 Link: (b) (3)

Video Link: (b) (3)