

## DARPA OFFSET – CCAST Equipment Characteristic's

### **Equipment Characteristic's UAV:**

Transmitter:

Manufacturer: Sierra Wireless  
Model Number: 340U  
Number of Units: 250  
Frequency Band: Tx: 1710-1780 MHz  
Station Class: Mobile  
Output Power: 24 dBm  
Effective Radiating Power: 26 dBm  
Modulation: SC-FDMA  
Emission Bandwidth: 5M00W7W

Receiver:

Manufacturer: Sierra Wireless  
Model Number: 340U  
Number of Units: 250  
Frequency Band: Rx: 2110-2200 MHz

Antenna:

Integrated Antenna  
Manufacturer: Sierra Wireless  
Model Number: 340U  
Number of Units: 250  
Antenna Gain: 0 dBi  
Antenna Beam width: 360  
Antenna Horizontal Plane: 360  
Antenna Vertical Plane: 180

### **Equipment Characteristic's Base Station:**

Transmitter:

Manufacturer: Ericsson  
Model Number: INF 903 6032/N66A  
Number of Units: 1  
Frequency Band: Tx: 2110-2200  
Station Class: Fixed  
Output Power: 43 dBm  
Effective Radiating Power: 48 dBm  
Modulation: OFDM  
Emission Bandwidth: 5M00W7W

Receiver:

Manufacturer: Ericsson  
Model Number: INF 903 6032/N66A  
Number of Units: 1  
Frequency Band: Rx: 1710-1780 MHz

Antenna:

Manufacturer: Laird  
Model Number: TRA692M3NB-001  
Number of Units: 2  
Antenna Gain: 5 dBi  
Antenna Horizontal Plane: 360  
Antenna Vertical Plane: 45

## DARPA OFFSET – CCAST Equipment Characteristic's