

RE: Figure 1 Front View Airborne Radar Platform

The attached image illustrates the flight configuration of the Synthetic Airborne Ground Penetrating Radar. The system is intended to discover underground aquifers at depths of up to 50-100 meters.

The system operates in the 45 to 90 MHz spectrum, using Chirp bandwidths of 10,20 and 40 MHz with a PRF of 10 KHz and Peak Conductive Power of 200 Watts at a 10% duty cycle.