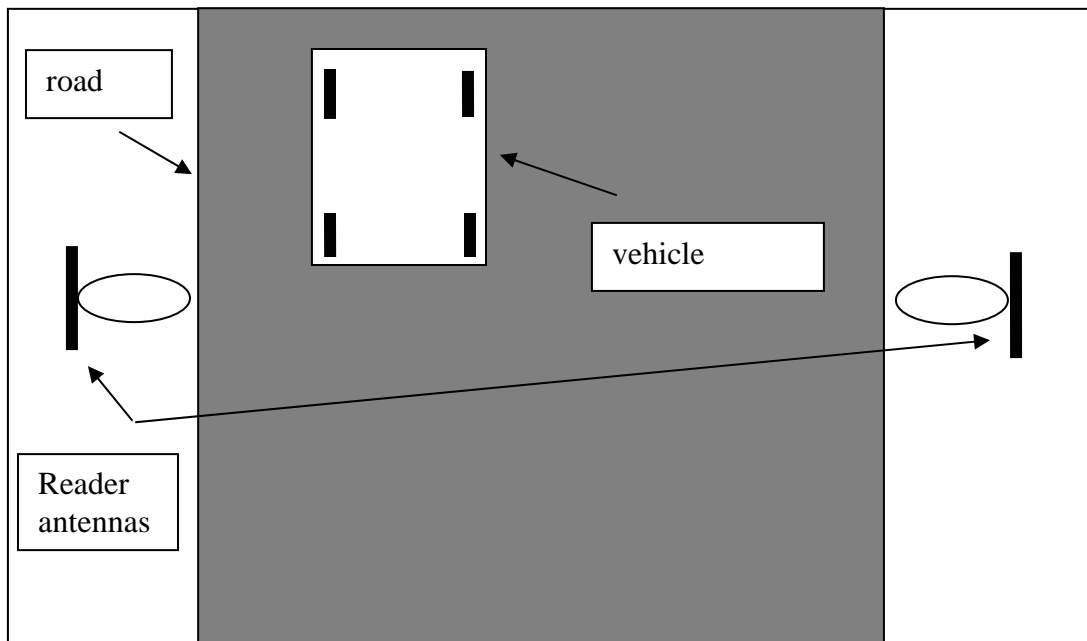
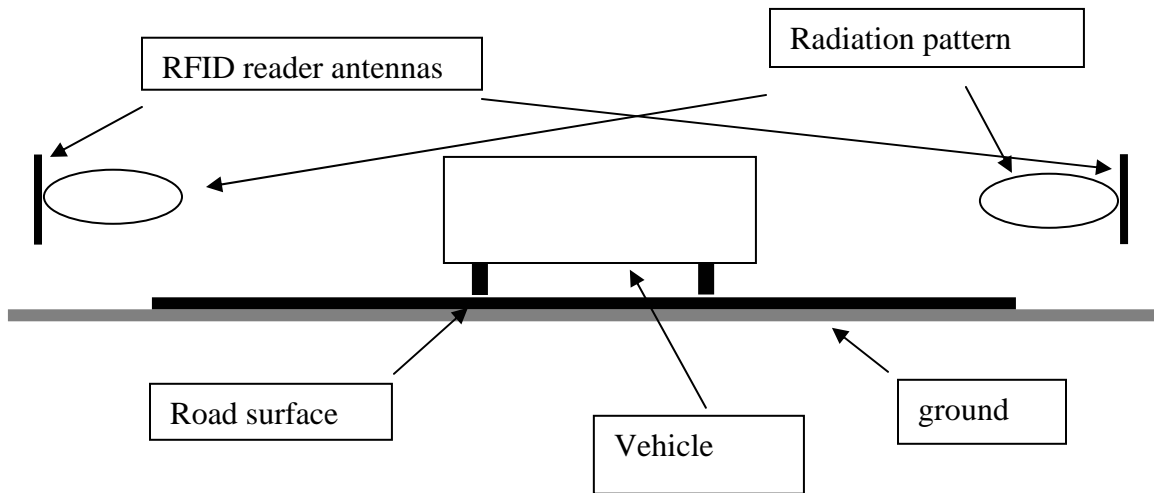
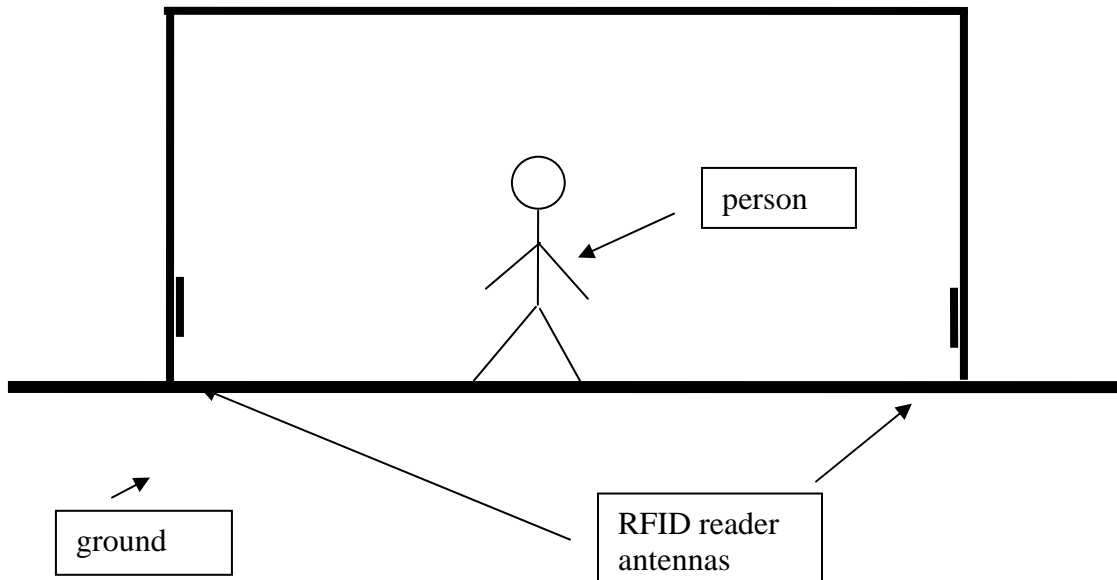


Antenna Information

Width of beam in degrees of antenna at the half power point: 20°

Orientation in horizontal and vertical planes: (see sketches below)





Overall height above ground to tip of antennas in meters: 2m max.

Elevation of ground at antenna site above mean sea level in meters: 248m.

Distance to nearest aircraft landing area in kilometers: 32 km (approx.).

List any natural formations: none.

Frequency	Output Power	EIRP
2.4 – 2.5 GHz	50 W	5000 W (max with 20 dB gain antenna)
430 - 460 MHz	50 W	5000 W (max with 20 dB gain antenna)
902 - 928 MHz	50 W	5000 W (max with 20 dB gain antenna)

Also the actual “transmitter” is the Alien reader. It puts out rf signals in the 902 to 928 Mhz band. Additional electronics is used to convert this to a different frequency range, e.g., 402 to 428 MHz and amplify the signal to 50W. The final amplification before being radiated out of the antenna is done by the Ophir unit.