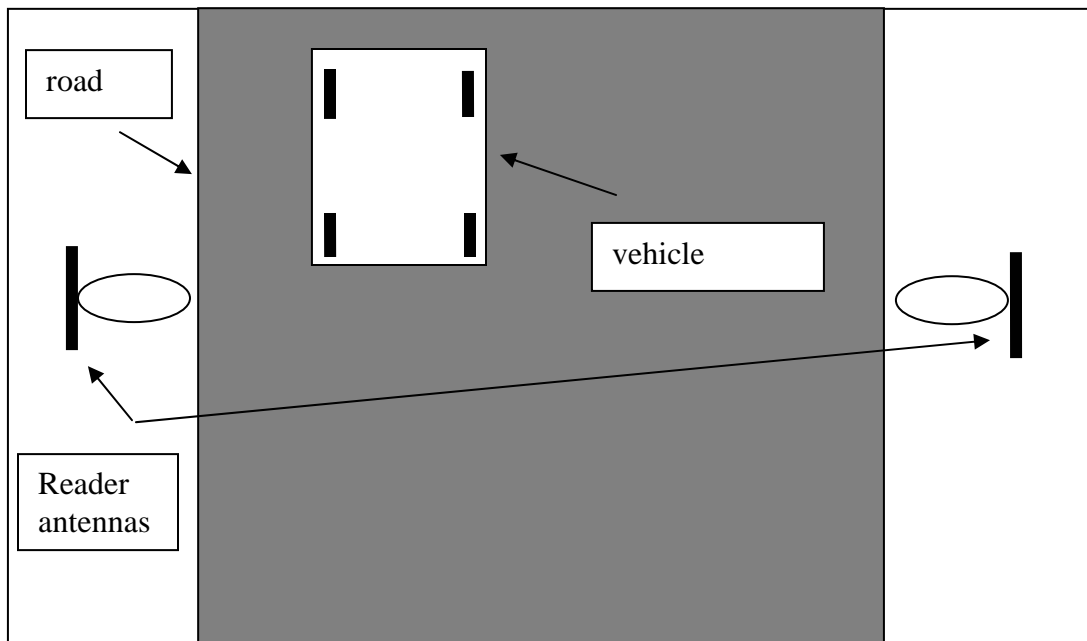
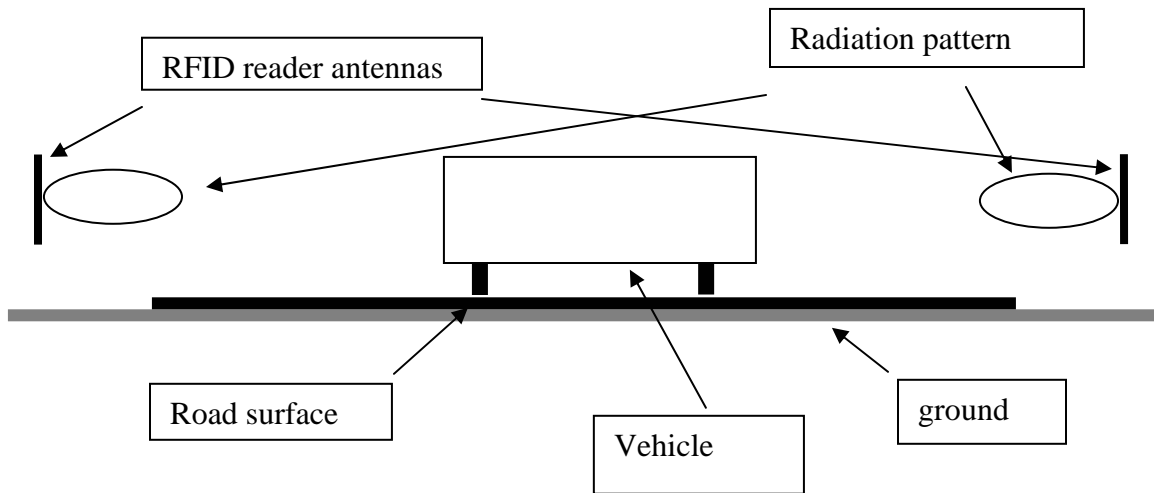
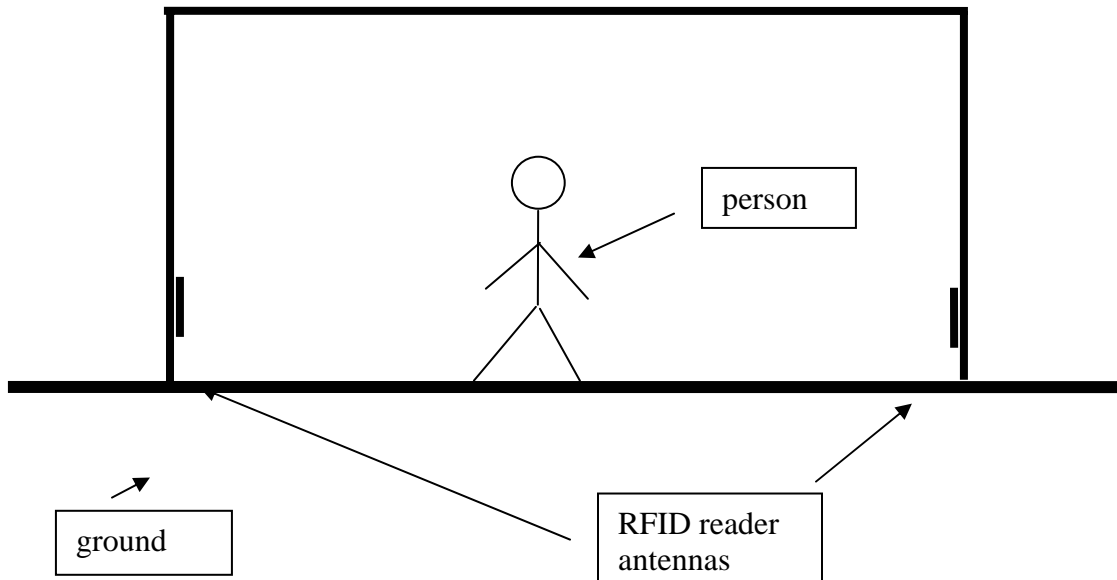


Antenna Information

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.