

# Wireless W I L D L I F E

## **Base - and Relay Stations**



The base station is the central operating point of Wireless Wildlife WWxxxxAS products utilizing the Wireless Wildlife UHF system backbone. The base station is the link between the operator and all the tracking devices within range of the base station or adjacent relay stations.

A relay station generates the same coverage footprint (range) as that of a base station, but only relays all tracking telemetry data within it's range to the base station for redistribution to the operator.

The base station is normally mounted as high as possible on a structure or tower within the study area. From this point it generates the RF coverage platform (green area demonstrated below) for communication purposes with all the devices. (Please read the "Coverage Plots" document as reference to this section)



# Wireless



## WILDLIFE

A base station consists of the following components:

- *Solar panel* – The solar panel charges an on-board battery and makes the base station a 100% independent stand alone entity.
- *Batteries* – The batteries are used to power all the electronic components inside the base station.
- *RF transceiver module* – The RF transceiver module is in constant communication with compatible tracking or monitoring devices.
- *GSM module* – The GSM unit is used to communicate with the user by SMS and missed call and channels all tracking and monitoring data through to the Wireless Wildlife server.

