



Placing the Antenna

Antenna placement is critical to ensuring that information is transmitted to and from tags accurately. Observe the following guidelines when placing the antenna:

Locate the antenna away from metal objects, microwave ovens, and other devices that may induce radio frequency interference. In addition, make sure there are no metallic surfaces between, or in relative proximity to, the scanner and tag. For additional placement considerations, refer to "RF Communications" on page 23.

When reading, the antenna should be placed no more than 60 inches from the objects bearing tags. When writing, the antenna should be no more than 20 inches from objects bearing tags.

Caution: to meet FCC RF Exposure compliance, operator(s) should not be closer than 20 inches to a transmitting antenna. See RF Exposure precautions on page 41.

The front of the antenna must be free of obstructions. Otherwise, information may not be written to and read from tags accurately.

 *Antennas must be labelled indicating minimum separation distance per FCC RF Exposure requirements (page 41). If the information on the label is not clearly visible, a sign with the same information must be posted within 36" of the antenna. (see last page of this manual)*

 *Tags must reside within the scan field for at least 3 milliseconds for information to be retrieved from them.*

RF Exposure "Caution" Label

Purpose:

To meet FCC requirements with regard to RF Exposure, for applications where an individual antenna is used in conjunction with an SCS S556-EP InstaScan® scanner, the antenna must have affixed to it, a label indicating the minimum separation distance required to meet FCC RF Exposure compliance. See sample label below.

Specifications

Size: 1" x 3"
Stock: White, adhesive-backed

Sample Label:

CAUTION: A minimum separation distance of 20 inches must be maintained between an antenna and persons to meet FCC RF Exposure compliance. See Users manual for details on operation requirements.

Placement:

Label will be placed on antenna radome surface such that it is clearly visible/legible at a distance of no less than 9 inches from the transmitting antenna, to the operator or any persons who may enter the vicinity of the antenna.

Exception:

If this is not feasible to affix a label to the antenna radome such that it is visible/legible due to the restraints of a particular application, a "Caution" sign must be posted within 36 inches of the antenna, such that the verbiage on the sign is clearly visible/legible at a distance no closer than 20 inches from the transmitting antenna, to any person who may enter the vicinity of the antenna. See *RF Exposure "Caution" Sign Specifications*.

RF Exposure "Caution" Sign

Purpose:

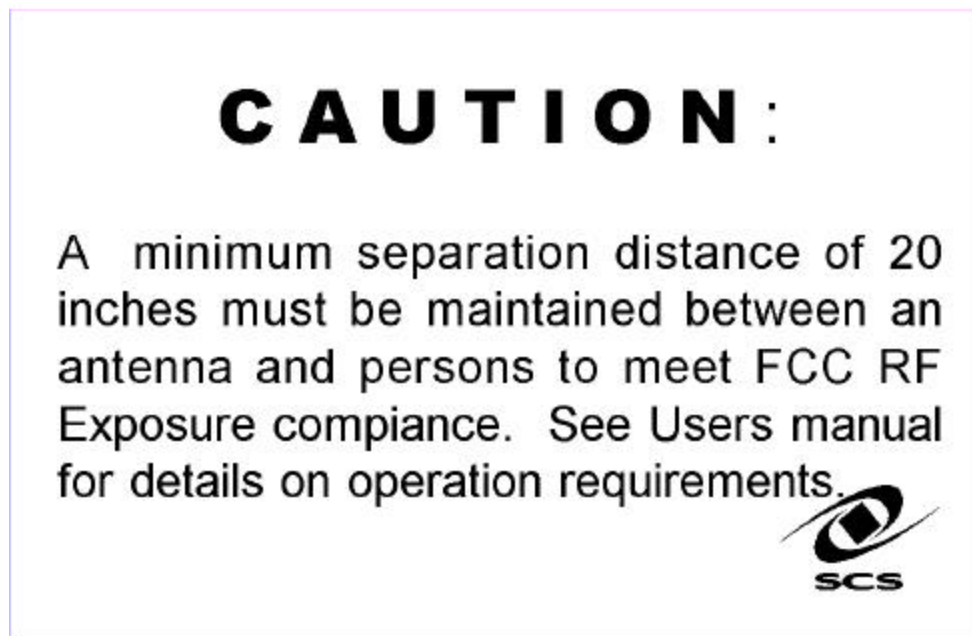
To meet FCC requirements with regard to RF Exposure, for applications where a group of RF antennas is used in conjunction with an SCS S556-EP InstaScan® scanner, a sign must be posted indicating the minimum separation distance required to meet FCC RF Exposure compliance. See sample sign below.

Specifications

Size: 5.5" x 8.5"

Stock: White, 90lb card stock, printed and inserted into Users Manual as back cover with perforation, to be torn out and posted as necessary

Sample Sign:



Placement:

In applications that require a group of antennas, a "Caution" sign must be posted within 36 inches of the antennas, such that the verbiage on the sign is clearly legible at a distance no closer than 20 inches from the transmitting antenna, to any person who may enter the vicinity of the antenna.