

Appendix A: Using Antennas with the VBS/VBL-250 Video Transmitter

Bodyworn applications:

When the VBS/VBL-250 video transmitter is to be worn on the body, only the DTC VidiWire antenna system should be used. This antenna has been extensively tested and found to be safe when used as directed. The antennas used in the VidiWire system are clearly labeled as to which side of the antenna should be placed against the body. These directions must be observed to insure safe and effective operation.

Non-portable applications:

In fixed location applications any suitable antenna may be used. However, to insure safe operation, it is imperative that proper spacing be maintained between the radiating surface of the antenna and any persons body. The required spacing depends on the RF output power of the transmitter and the gain of the antenna being used. The chart below shows the correct minimum spacing for antennas used with the VBS/VBL-250 transmitters. If the gain of the antenna is unknown, contact the manufacturer of the antenna for this information. To insure that proper spacing is maintained, locate the transmitter or arrange physical barriers in such away that people are prevented from approaching too closely.

