

5a. Base and Mobile**5b. If Fixed give below information****Site #1.**

State: Florida County: Broward City: Plantation
 Street Address: 8000 West Sunrise Blvd.

5(b) (1). Coordinates

N. Latitude: 26-08-51 W. Longitude: 80-15-15 Height: 100 ft.

Site # 2

State: Florida County: Dade City: North Miami
 Street Address: 390 N. W. 210th Street

5(b) (1). Coordinates

N. Latitude: 25-58-15 W. Longitude: 80-12-32 Height: 1041 ft

Site # 3

State: Florida County: Broward City: Ft. Lauderdale
 Street Address: 110 S. E. 6th Street

5(b)(1). Coordinates

N. Latitude: 26-06-54 W. Longitude: 80-08-30 Height: 340 ft

Site # 4

State: Florida County: Broward City: Plantation
 Street Address: 670 West Sunrise Blvd.

5(b) (1). Coordinates

N. Latitude: 26-07-45 W. Longitude: 80-14-40 Height: 235 ft

5(c). If Mobile show area of operation

Within a 25 mile radius of 8000 West Sunrise Blvd. Ft. Lauderdale, Florida. 33322.

5(c)(1). Coordinates: N. Latitude: 26-08-51 W. Longitude: 80-15-15

5(d). Datum: per NAD 17 dated 1927

6. Is directional antenna used: Yes

6(a). Width of beam in degrees**6(b) Orientation in Horizontal Plane****6(c) Orientation in Vertical Plan**

Site #1 Plantation	120 degrees	30, 150, 270 Degrees	0 Degrees Vertical
Site #2 No. Miami	220 degrees	0 Degrees Horizontal	-3/4 Degrees Vertical
Site #3 110 Bldg.	90 degrees	315, & 225 Degrees	0 Degrees Vertical
Site #4 Plantation	120 degree	30, 150, 270 Degrees	0 Degrees Vertical

9 (a).

The objective of the research project is to develop and test Mobile and portable radios in the 900 mHz band using the iDEN technology for receiving, transmitting, and handing off among transmitters.

9 (b).

In order to test radios, fixed transmitters are needed at specified locations. The radios will travel throughout the coverage area where performance will be analyzed as signal strength varies.

9 (c).

There are no existing facilities available for testing these radios in the 900 mHz band using the iDEN technology.