

Santa Ana Unified School District Tower locations:

Site 1

Address:

Willard Intermediate School

1342 N Ross St

Santa Ana, CA 92706

Field Light Height:

21 Meters

Experimental Equipment to be mounted below the Vertical Light Structure  
Apartment building height exceeds the height of the light towers assuring no aircraft  
flight path concerns.



Site 2  
Address:  
Valley High School  
1801 S Greenville St  
Santa Ana, CA 927064

Field Light Height:  
21 Meters

Experimental Equipment to be mounted below the Vertical Light Structure  
Apartment building height exceeds the height of the light towers assuring no aircraft  
flight path concerns.



**Technical Contact Details:**

<b>Name of Contact</b>	Steve Rovarino – President Red Rover Ltd
<b>Contact Address</b>	748 South Meadows Parkway Suite A9-52 Reno, NV 89521 408-921-8945 Steve@redroverltd.com

**Base Station General Information**

<b>Equipment</b>	<u>Air Span Air Symphony 4200 (Undergoing SAS certification process)</u>
<b>Quantity</b>	<u>2</u>
<b>Address of Location Site 1:</b>	Willard Intermediate School 1342 N Ross St Santa Ana, CA 92706
<b>Area of Operation Site 1:</b>	Operation not to exceed 3 km radius from the following geographic center points: 33 45 24 N and 117 52 23.1 W
<b>Address of Location Site 2:</b>	Valley High School 1801 S Greenville St, Santa Ana, CA 92704
<b>Area of Operation Site 2:</b>	Operation not to exceed 3 km radius from the following geographic center points: 33 43 22 N and 117 53 47.5 W

**Amplifier Detail**

<b>Antenna</b>	External
<b>Type</b>	Omnidirectional
<b>Quantity</b>	Qty 3 at each site, 120 ° coverage from each Antenna
<b>Gain</b>	17 dB
<b>Height</b>	24M
<b>Tower/Structure</b>	Antenna's will be mounted on existing Stadium Field Lights
<b>Beamwidth at Half-Power Point</b>	60° Horizontal
<b>Orientation in Horizontal Plane</b>	0°
<b>Orientation in Vertical Plane</b>	Various (0° to -10°)

**Radio Equipment**

<b>Radio</b>	<b>Modulation</b>	<b>Emission Designator</b>	<b>Bandwidth</b>	<b>Maximum Output Power</b>	<b>Maximum EIRP</b>
<u>Air Symphony 4200 Cat B CBRS</u>	Digital 64QAM	20M0D1D	20 MHz	<u>2.5W</u>	<u>47 dBm/10MHz</u>