UW Environmental Health & Safety (EH&S) provides the following safety information for University personnel who work in or near University locations where wireless cellular antennas are installed.

**SITE INFORMATION**

- **Address:** 4545 15TH AVENUE NE Seattle
- **Carrier (s):** AT&T
- **FCC Site #:**
- **Antenna type:** Sector/Directional antennas
- **Co-locators:** None
- **Location(s):** Rooftop – parapet and on platform
- **Site access:** Two (2) locked doors
- **Last survey date:**

  - This building consists of nine antennas grouped together in three sectors on the main roof.
  - All measurements were below the limit for general public exposure to radiofrequency energy.

**AERIAL VIEW OF THE ANTENNAS**

Figure 1 shows an aerial view of the rooftop and platform where the antennas are located.

**Location** | **RF Exposure Measurements** | **Hazard category**
---|---|---
Penthouse roof level – 83’ (same level as antennas’ height) | 192% of FCC Occupational Exposure limit | 3
Main Roof Level - 70’ (13 feet below bottom of antenna) | Less than 10 % of FCC Occupational Exposure limit | 1

**SIGNS AND BARRIERS**

- Yellow CAUTION signs are mounted directly in front of the antennas on penthouse level (refer to diagram below).
- **Do not loiter or stand directly in front of these antennas or barriers.**
- No additional barriers or stanchions are required at this site.
**WIRELESS CELLULAR ANTENNA LOCATIONS**

Figure 2: View looking down at the roof.

<table>
<thead>
<tr>
<th>Symbols/Color</th>
<th>Definitions</th>
<th>Signage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Direction of mounted antenna or directional RF energy</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Mounted antenna/panel</td>
<td>NA</td>
</tr>
<tr>
<td>Category 1</td>
<td>Area where RF fields are too weak to cause exposures greater than general public limit</td>
<td>No signage</td>
</tr>
<tr>
<td></td>
<td><strong>SAFE FOR GENERAL PUBLIC</strong></td>
<td></td>
</tr>
<tr>
<td>Category 3</td>
<td>Area where RF fields could potentially be greater than general public limit but less than occupational limit</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>NOT SAFE FOR GENERAL PUBLIC BUT SAFE FOR WORKERS.</strong></td>
<td></td>
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</tbody>
</table>

Table 1: Symbols and color legends, definitions and required posting.

Visit the [Radiofrequency: Wireless Cellular Antennas](http://ehs.washington.edu) page on the EH&S website for more information.

Contact EH&S at 206.543.0463 or radsaf@uw.edu with questions.