



4545 BUILDING WIRELESS CELLULAR ANTENNAS

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.

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

AERIAL VIEW OF THE ANTENNAS

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

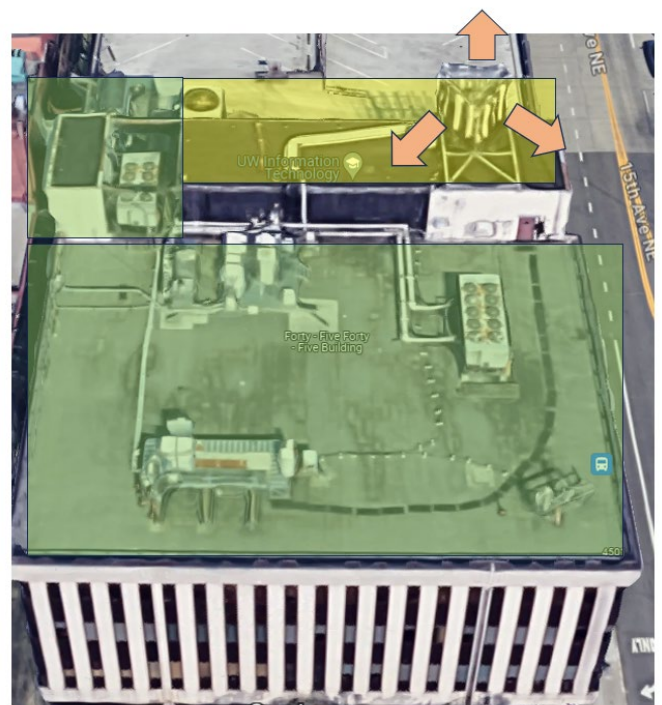


Figure 1: View from the roof.

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

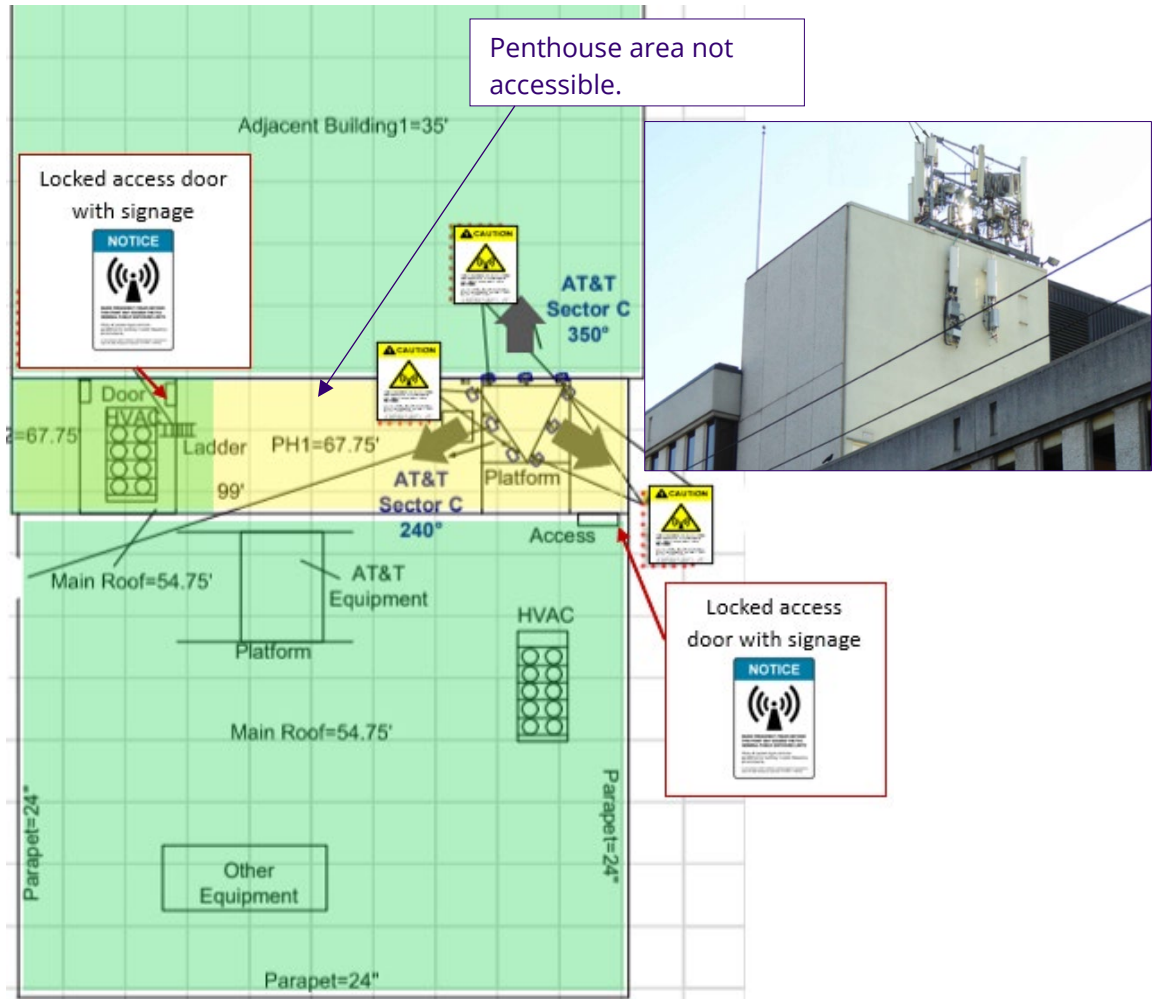


Figure 2: View looking down at the roof.




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

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

Visit the [Radiofrequency: Wireless Cellular Antennas](#) page on the EH&S website for more information.

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