

PHYSICS AND ASTRONOMY 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: 3910 15th Ave NE Seattle
Carrier(s): Verizon
Antenna type: Sector/Directional antennas
Co-locators: None
Location(s): Rooftop
Site access: Two locked access doors
Last survey date: September 20, 2022

- This building consists of 16 antennas grouped together in four sectors on the rooftop.
- All measurements on accessible areas were below the limit for general public exposure to radiofrequency energy **except** for upper roof level.

Location	RF Exposure Measurements	Hazard category
Upper roof level - Delta (1)	116 % of the FCC general public exposure limit.	2
Upper roof level- Beta (2)	Less than 39.5% of FCC general public exposure limit	1
Lower roof level- Alpha (3) and Gamma (4)	Less than 38.15 % of FCC general public exposure limit	1

AERIAL VIEW OF THE ANTENNAS

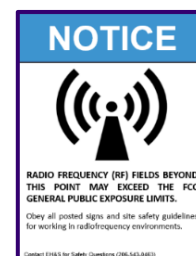
Figure 1 shows an aerial view of the rooftop and where the antennas are located.



Figure 1: View from the rooftop.

SIGNS AND BARRIERS

- Blue NOTICE signs are mounted directly in front of the antennas on upper and lower penthouse level (refer to diagram below).



- Blue NOTICE signs and Yellow DEMARCATION are located on the upper roof level floor as indicated in figure 2 below.

WIRELESS CELLULAR ANTENNA LOCATIONS

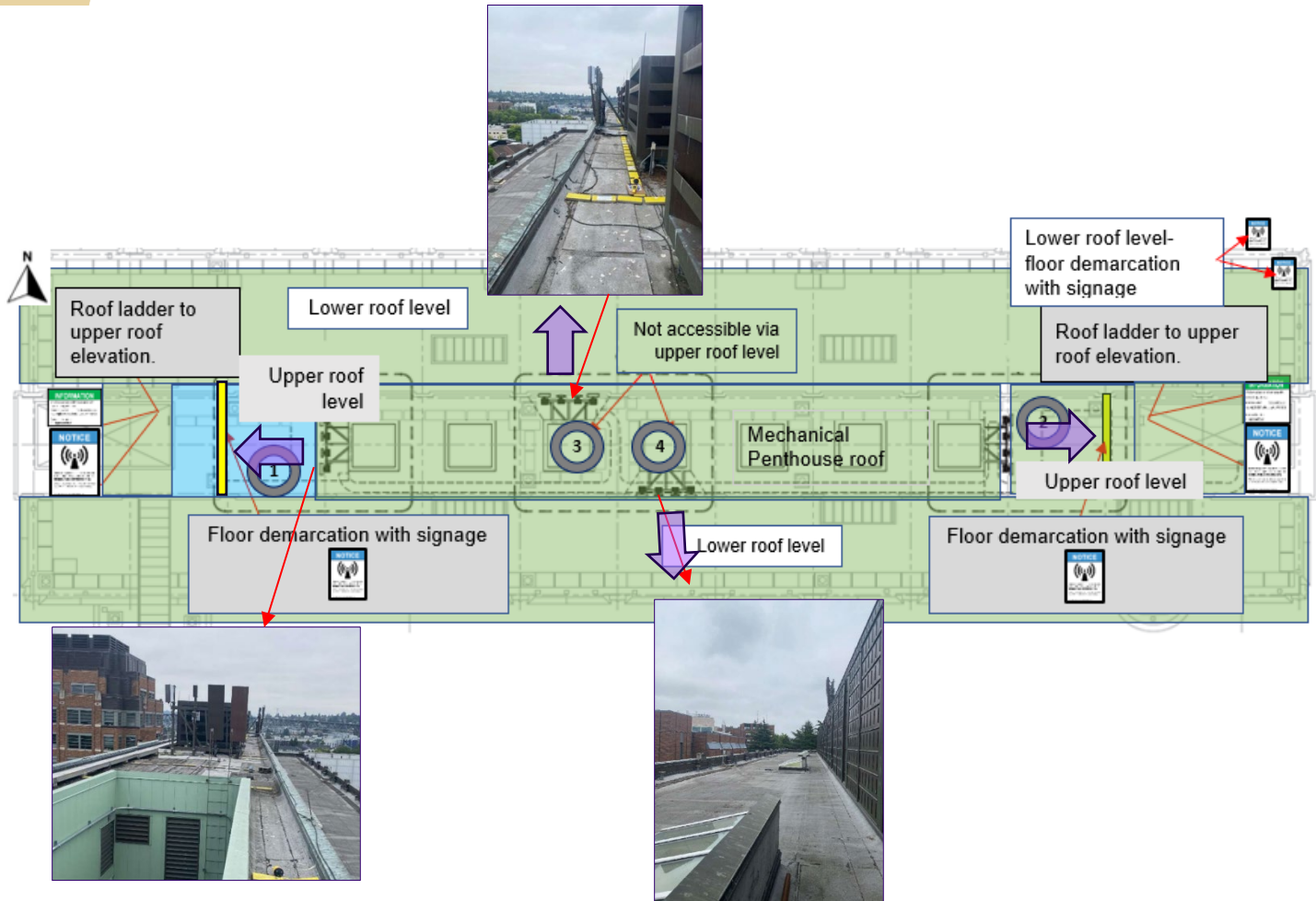


Figure 2: View looking down at the roof of Physics and Astronomy Building (PAB)

Symbols/ Color	Definitions	Signage
	Direction of mounted antenna or directional RF energy	NA
	Mounted antenna/panel	NA
	Floor demarcation	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 2	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.