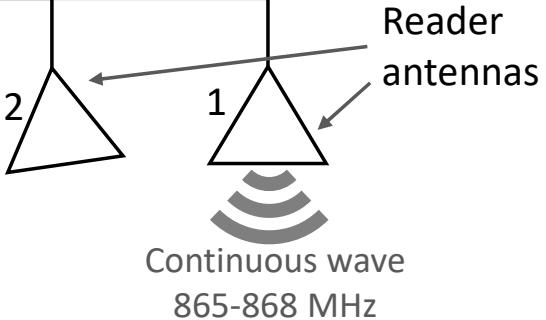


RFID reader

Receives tag signal
Measures $\Delta\phi$



The tags backscatter their signal
on request from the reader

The snowpack increases
phase delay for the signal
from tags covered by snow:

$$\Delta SWE = \frac{c}{2\pi f a} \Delta\phi$$

