

## Typical features of ground magnetometer observations of FLR

H-component-power dynamic spectra at a station named litate (ITA)

H-component-power dynamic spectra at a station named Kakioka (KAK), located ~150 km to the south of ITA

Amplitude-ratio method takes the amplitude ratio of the ITA and KAK data. The eigen-frequency is at the border of the red and blue colors.

Cross-phase method takes the phase difference of the ITA and KAK data. The eigen-frequency is at the vertical center of the red color.