

Improvement of observation system for VHF wave related to earthquakes

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There are some reports in VHF band that radio broadcast was in disorder before large earthquakes.

The cause is assumed to be electromagnetic waves emitted by crustal movement or some anomaly in ionosphere related to earthquakes.

We have observed natural noise in VHF band with original receivers on Nishi-Chiba Campus of Chiba University since 1998 and started observations in Tateyama,Chiba prefecture since summer of 1999.

The first receiver was sometimes suffered from interferences by nearby strong artificial radio waves because of its broad bandwidth.

We,therefore,have improved thereceiver to have narrow band and be stable.

We installed the new receivers in Nishi-Chiba and Tateyamasite and have started observations since February 2000.

We present new data with comparison to earthquakes.