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Observation of FM Radio Scattering Waves Caused by Seismo-Ionospheric Irregularities

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Seismo-Ionospheric disturbance such as the decrease of the foF2 and the sudden appearance of the Es layer has been detected by using the Ionosonde. On the other

hand, it is well-known that FM radio scattering waves mainly occur by the ionospheric irregularity at the Es layer.

Kushida and Kushida reported that there was the strong relationship between the appearance of the anomalous signals and the earthquake occurrence according to their empirical law when they detect FM radio scattering waves. Therefore, there is a possibility that they measure the ionospheric irregularity associated with earthquakes.

From these results, we try to find the relationship between the appearance of the Es layer and the signals of the scattering waves by using the Ionosonde and the FM tuner.