

## The Variations in Environmental Electromagnetic Field before Western Tottori Earthquake and Geiyo Earthquake

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Electromagnetic anomalies before earthquakes have been studied at various frequencies. Most of studies used narrow band measurement system to obtain good signal -noise ratio. Assuming such EM anomalies are caused by local stress changes in lithosphere, we have been preparing observation sites for EM field at wide-band in Osaka and Shimane: In such a case, the EM waves would be pulse-like shapes, therefore, absolute measurement of EM field as wave packets are important to understand the characteristics of EM anomalies.

Meantime, we encountered the Western Tottori Earthquake (M 7.3) and Geiyo Earthquake (M 6.7). The analyses for preceding EM anomalies at both cases will be discussed.