Sb-004 Room: C417 Time: June 26 9:45-10:00

A study on frequency dependent radiation pattern

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Frequency dependency of source radiation pattern is presented in the study. We used near source K-net data due to the 1997 Kagoshima-ken Hokuseibu Earthquakes in March and May. We employed two techniques, particle motions of records for several frequency bands, and spectral ratio of predominant direction and its tangential direction of the records. We derived clear frequency dependency that agrees well with previous studies. We also proposed a simple model to explain frequency dependency of radiation pattern.