WAVE STRUCTURE MANIFESTATION OF IONOSPHERIC DISTURBANCE DURING MAGNETIC STORM

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This work studies variations of HF characteristics and ionospheric parameters recorded at the mid-latitude paths of Russian East-Siberian region during magnetic storm on May 15, 1997. The sharp wave-like changes of maximum observed frequencies (MOF) were recorded during the main phase of investigated storms. Assuming that such MOF variations can be produced by the ionospheric disturbances propagating from the northern to the southern latitudes simulation of HF propagation conditions for this paths was carried out.