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INFLUENCE OF 400 KV TRANSMISSION LINE "DUBROVO-STIP-MACEDONIAN-BULGARIAN BORDER" ON THE ENVIRONMENT

ABSTRACT

This paper presents our experience with the influence of high voltage of transmission line - 400kV on the environment. The magnetic fields that originate from the current in the transmission line have values above the maximal limit, due to the increased safe distance from the ground. The electrical field in a small number of regions, mostly in the middle between two towers, has values higher than 5kV/m.

As a visual example, different segments from the transmission line and area with electric fields with values greater than 5kV/m are presented.

Keywords: electrical field, magnetic field, transmission line, environment, calculations.