

The proposed electromagnetic screen for protection against alternate magnetic field contains a casing made of nonmagnetic conducting material and screening elements. In the casing, openings for below-cutoff waveguides are made. Each of the screening elements is designed as a grid of crossing strips made of amorphous ferromagnetic material, in which openings for the below-cutoff waveguides are provided. The ferromagnetic strips are separated by air gaps. The strip planes are parallel, or at an angle, to the grid plane. Two or more grids with strips arranged perpendicular, or at an angle, to each other are installed ahead of the end parts of the below-cutoff waveguides, on one or both the sides of the casing, and are separated from each other and from the below-cutoff waveguides.