
Experimental researches in the time domain of octahedron configuration reflective characteristics of trihedral angular reflectors with sectorial sides

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The paper presents the results of experimental researches in a wide frequency range of polarizing scattering indicatrix of the octahedron trihedral angular reflectors configuration with the sectorial sides obtained in the time domain by a measuring aerial parameters unit under the box conditions limited by sizes and anechoic conditions. The comparison of the measurements results in time and frequency area is carried out. The metrological possibilities of the experimental stand are estimated and the ways of their improvement are considered.

Keywords: *scattering indicatrix, the effective surface scattering, octahedron layout of trihedral corner reflectors with sector faces, spherical reflector, polarization, cross-polarization.*

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