

The invention relates to areas of communication, radio-measurement and antenna engineering. Automated measuring complex for study of electromagnetic field includes measuring antenna, this consists of two elements with linear polarization, first and second converters, first and second switches, converter generator, oscillator, first and second frequency transformers, first and second adding units. Besides that measuring complex includes amplitude-phase correctors, detectors, subtraction units, phase changer, attenuator, three-decibel voltage divider, first and second phase-amplitude devices, first and second synchronous switches and processor. The invention provides measurement of all polarization parameters of field and strength of component field and decrease of error of measurement.