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Title:A setup for measuring spatial and waveguide characteristics of periodic metal-dielectric structures

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Abstract:An experimental setup and procedure for measuring electrodynamic characteristics of planar periodic metal-dielectric structures, which can be used for manufacturing practical equipment operating in millimeter, submillimeter, and terahertz wavelength ranges. Serviceability of the setup is checked by comparing the waveguide and spatial characteristics obtained experimentally and by numerical methods in a 4-mm wavelength range.

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