

A measuring system for testing rocket electrical systems comprises a generator of test obstacles, whose one output is connected by a test line to the input of rocket system and the other output by a link is connected to one of the inputs of a measuring and computing device and a receiving antenna connected by a measuring line of connection to the second input of the measuring and computing device connected in turn by a reverse link to the generator of test obstacles. A test communication line is in the form of a matching and converting device comprising series connected: a code modulator, an electro-optical transducer and an optoelectronic transducer, and when an electric coded signal passes from a receiving antenna it is converted into an optical signal and after inverse conversion it is entered to a decoder mounted on the input of measuring and computing device, wherein a code modulator is connected to the measuring and computing device.