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The LANL C-Band Engineering Research Facility (CERF-NM) Test Stand Installation, Operation and Initial Conditioning.

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Abstract: We provide a system description of the LANL CERF-NM test stand, and discuss the operation and initial conditioning efforts. The specified klystron peak power of 50MW, operating with a 1μs pulse-width at a pulse repetition rate of 100 Hz (5kW average power) was achieved working into a matched water-cooled waveguide load.

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