



Second Laureate Applied Research

Project Title: 1 kW HF jammer & HF LPDA antenna (2-30 MHz)

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Abstract:

Nowadays, communications are essential to our modern life. Due to wide-band coverage of HF Transmitters; they play an important role in marine and land communications including commercial and army.

The designed system by Nasir Mouj Gostaresh (NMG) company-engineering and researching-team includes 1kW HF Transmitter and wideband LPDA antenna. It's designed based on telecommunication standards for communication purposes.

Aligned high-speed-switch and frequency jamming specification (Spot, Comb, Barrage with variable band width and sweeping technique) could be used as an HF Jammer. It's a remote-control able and highly flexible product for many parts. All parts are designed by Iranian experts. This product is the fruit of 3-year-continuous attempt by Iranian engineering who experienced manufacturing RF Amplifiers with high efficiency. Also this invaluable background results access to manufacturing the technology of RF generator systems with high efficiency that has high practical usage in RF sputtering and Laser driving.