

Compact Modulator for Narrow Band HPM Sources

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Sci-Eng Solutions, LLC will report on progress in the development of a new pulse generator that synthesizes the best old and new technologies to create the ultimate, compact pulsed power architecture that will be applicable to virtually any source that requires a high voltage, nearly rectangular pulse; i.e., it is particularly capable of optimally satisfying the demanding requirements of narrow band, High Power Microwave (HPM) sources such as Relativistic Magnetrons, Ubitrons, MILO's, Traveling Wave Tubes, Klystrons, radars, etc. This technological breakthrough promises to provide one of the most reliable, compact, lightweight, and robust flight worthy pulse generator topologies possible; and is especially pertinent to critical flight or mobile missions such as those manifest to the defeat of Improvised Explosive Devices.