A Computer Code for High Altitude EMP.

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NTIS Accession Number	AD-777 841/8
Title	A Computer Code for High Altitude EMP.
Publication Date	1974
Media Count	p

Personal Author	Chapman, T. C.
Abstract	A relatively inexpensive computer code is developed to calculate the peak value of the electric field contained in an electromagnetic pulse generated by the gamma rays from a high altitude nuclear burst. The code is based on the Karzas and Latter theory for the production of Compton electrons and their interaction with the earth's magnetic field. The code can be used to calculate the peak value of the electric field at a target anywhere on or above ground level, resulting from a nuclear burst above 60 km altitude with a gamma yield up to 60 tons. Either the direct or the ground reflected wave can be calculated. With special care, bursts up to one kt of gamma yield can be used. (Author)
Keywords	Nuclear explosions Electromagnetic pulses Gamma rays Compton scattering High altitude Radiation effects Aerospace systems Maxwells equations Computer programs Airburst Theses
Source Agency	Invalid Source Agency Code
NTIS Subject Category	77D - Nuclear Explosions & Devices
Corporate Author	Air Force Inst of Tech Wright-Patterson AFB Ohio School of Engineering
Report Number	GNE/PH/74-1
Document Type	Thesis
NTIS Issue Number	197413

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