Program Description

The radar transmit-and-receive system will be coherently frequency step-chirped from the start frequency to the final frequency. Step-chirp pulse-widths and PRF's are listed in the table below. Radiated frequencies are CW. By radiating the test body, the return signals bounced off of the body are measured and compared. Transmitting and receiving antennas will be fixed. The test bodies will be mounted to fixtures (pylons or columns) that rotate the body in both Azimuth and Elevation on a center of the body axis at a height of 7.92m above the ground. The locations of these fixtures are at designated "pits" downrange from the fixed antennas. Both transmit and receive systems will be coherently phase-locked using the master SPC MKIII/MKV PLO and are controlled by a single computer system. All remaining details are classified.

The Classified details will be mailed in the appropriate manner under the FCC Rules.