16 DC Voltages applied to and DC currents into the final RF stages of the transmitter.

Pulse width selection is made depending on the operation mode selected on the radar indicator. Modulator long pulse is selected for modes using a 200-Hz trigger; modulator short pulse is selected for modes using an 1536 Hz trigger. With either modulator pulse, a negative-going, 330-volt, 110-ampere pulse generated in the Pulse modulator is applied to the pulse transformer. The pulse transformer supplies the magnetron with a 5.5 kV, 4.5 A, negative-going pulse that causes the magnetron to oscillate at its 9375 MHz resonant frequency. A 10-kW nominal peak power RF output pulse is generated by the magnetron and is directed through the four-port, E-plane circulator to the radar antenna.

Additional details are found Sub-folder 8-Operational Description that contains the word document MAINTMANSECT1.doc. This document provides a detailed description on how the R/T works and a block diagram functional description of the R/T's Circuits.