

AUTOMATIC TRANSMITTER SHUTDOWN

ASTRO-200

MODIFICATION

To assure transmitter final amplifier transistors are not overstressed when loaded into a VSWR greater than 2, a shut down circuit has been added to the ALC control. This circuit limits peak power and CW power to approximately 100 watts into a VSWR of 2. For VSWR greater than 2 the power is reduced proportionally with minimum power available for VSWR greater than about 4.

The shutdown circuit limits power when mismatched, therefore full scale FWD readings will not be possible when a VSWR greater than 2 is present. For this reason the REF mode VSWR readings are not accurate and must be scaled relative to the percent of full scale in FWD mode.

