

TRANSMITTER-RECEIVER BAY

TURNON AND TURNOFF PROCEDURES

TD-3 MICROWAVE RADIO

1. GENERAL

1.01 This section contains turnon and turnoff procedures for TD-3 microwave radio transmitter-receiver bays [equipped with a TWT or a 660() IC transmitter amplifier.]

1.02 This section is reissued to include turnon and turnoff procedures for bays equipped with the 660() transmitter amplifier [660() IC]. Revision arrows are used to emphasize the more significant changes. The Equipment Test List is not affected.

2. TURNON PROCEDURE

2.01 On a main station bay, set the POWER switch on both the receiver and transmitter control panels to the ON position. On a repeater station bay, set the POWER switch on the receiver control panel to the ON position. For the repeater station bay, this one switch applies -24 volts to both the receiver and transmitter.

2.02 ♦On bays equipped with the 660() IC, verify that the power cable is properly connected to the 660() IC.♦ On bays equipped with the TWT, set the INPUT switch on the inverter and heater regulator to the ON position. Observe that the TWT WARM UP lamp is lighted. (It will stay lighted for the warm-up period.)

2.03 ♦After a 5-minute warm-up period for bays equipped with a 660() IC♦ or after a 15-minute

warm-up period for bays equipped with a TWT, perform the in-service checks given in Section 411-400-501.

2.04 The transmitter-receiver bay is now in operation. Depending on the previous condition of the bay and the reason for turnoff, it may be desirable to check the transmission performance as outlined in Sections 411-404-501 and 411-406-501.

3. TURNOFF PROCEDURE

3.01 Determine that service has been removed from each channel to be turned down.

3.02 For bays equipped with a TWT, set the INPUT switch on the inverter and heater regulator to the OFF position. ♦For bays equipped with a 660() IC, remove the power cable from the 660() IC.♦

3.03 On a main station bay, set the POWER switch on the receiver and transmitter control panels to the OFF position. On a repeater station bay, set the POWER switch on the receiver control panel to the OFF position. For the repeater station bay, this one switch removes -24 volts from both the receiver and transmitter.

NOTICE

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