

Technical Services Memo

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Product Code: B3 D2 SX
Subject Code: DC RF SV
Part Number: n/a
Manual: many

CATEGORY: Service

SUBJECT: Low Power Output – Poor Connections

Problem:

When investigating issues of transmitter low power output, don't overlook the input power circuit. Any loose connections in the high current DC power circuit can cause varying results. Short key-ups may meet full specs, while continuous repeater transmit time may result in the RF power sagging.

Solution:

Whenever servicing equipment with high current requirements such as base stations or 100 watt mobiles, take a moment to inspect the fuses, fuse holders, and all high current wiring connections. **Look for discoloration, burned or melted materials** that would indicate abnormal heating. **Check any mechanical connections such as screw terminals, wire nuts, etc. for tightness** even though there are no telltale signs. In base station power supplies, don't overlook the high current fuse behind the cover plate. You probably forgot they were there if it has never blown.

