

Peak conducted power vs Power Supply variation Test

Model: M5800SB-SU-EXT, M5800SB-AP-60

Test Date: 8/07/01

Location: Trango Systems, Inc. RF Lab

Test Engineer: Peter Ryan

Test Setup: DUT was connected to HP E4418A power meter (cal date 12/28/00) and the input voltage was supplied by HP E3361B Power supply. Power levels measure were the same for modulated and unmodulated carriers. The unit tested was production equivalent.

Test Results:

Peak RF Output Power vs Input Voltage

<u>Frequency</u>	<u>8.9 Volts</u>	<u>15 Volts</u>	<u>20 Volts</u>	<u>27 Volts</u>
5.736 GHz	+18.3 dBm	+18.3 dBm	+18.3 dBm	+18.2 dBm
5.776 GHz	+17.9 dBm	+17.9 dBm	+17.9 dBm	+17.8 dBm
5.836 GHz	+18.1 dBm	+18.2 dBm	+18.1 dBm	+18.0 dBm

As can be seen from the above data, the RF power output varies by less than .2 dB within the specified input voltage range of 8.9 Volts (85% of 10.5 V) to 27 Volts (115% of 24 V).