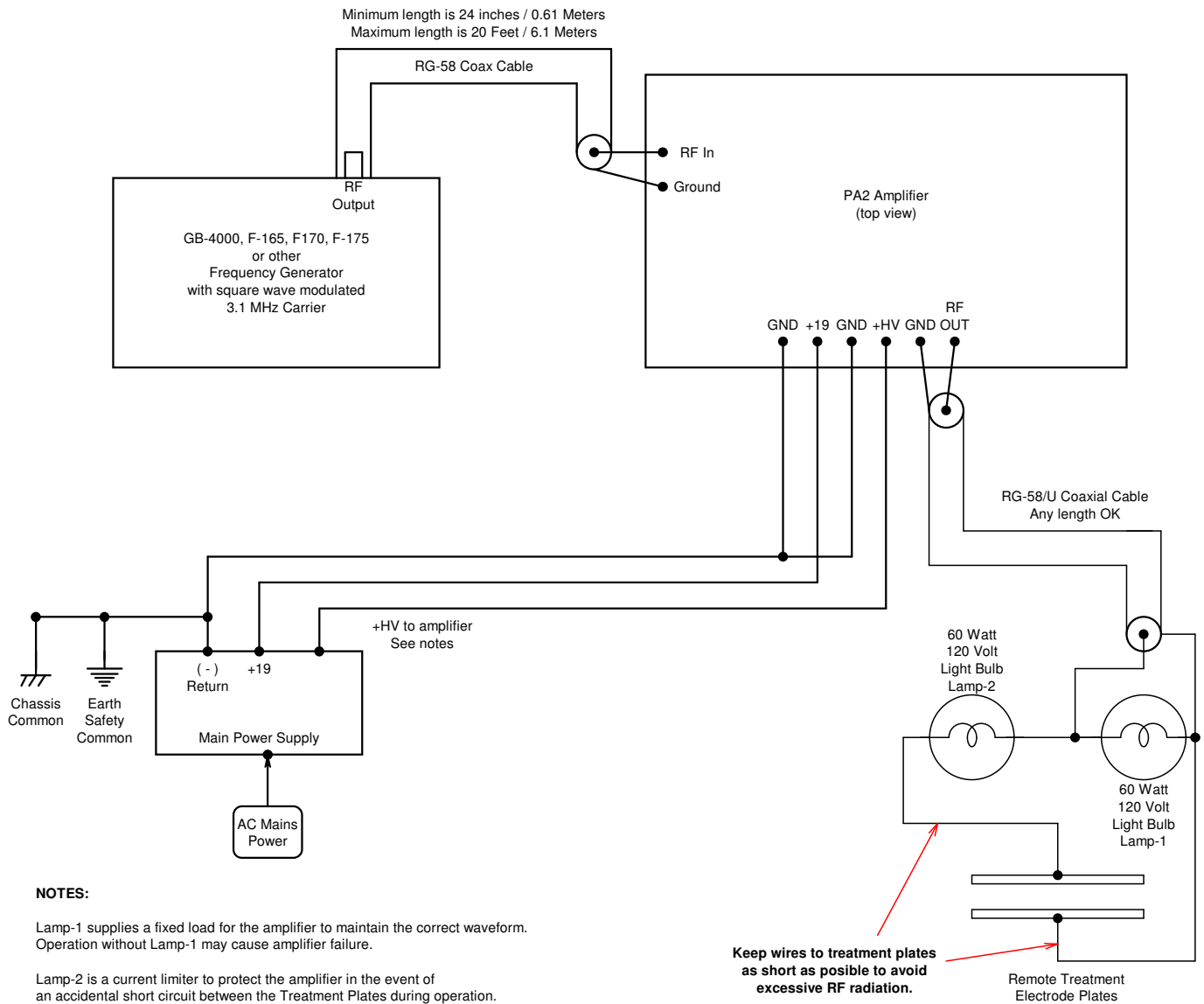


**Master Connection Diagram**  
 For Remote Treatment Plates  
 3.1 MHz Carrier Using PA2 Amplifier  
 and GB-4000, F-165, F-170, or F-175 Frequency Generators  
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 V1.00 - 18 June 2014  
 filename - MASTER9



**NOTES:**

Lamp-1 supplies a fixed load for the amplifier to maintain the correct waveform. Operation without Lamp-1 may cause amplifier failure.

Lamp-2 is a current limiter to protect the amplifier in the event of an accidental short circuit between the Treatment Plates during operation.

Operation with modulation duty cycles above 50% and amplifier DC voltages above 50 volts will burn out Lamp-1 causing amplifier failure.

When using an amplifier DC voltage of greater than 50 volts and modulation duty cycles above 50%, Lamp-1 must be replaced with two 200 watt 120 volt light bulbs connected in series.

**CAUTION !!**  
 CONTACT WITH EXPOSED WIRES OR THE TREATMENT PLATES  
 DURING OPERATION MAY CAUSE PAINFUL RF BURNS.

**WARNING !!**  
 DAMP OR CONDUCTIVE MATERIEL PLACED BETWEEN TREATMENT PLATES MAY CATCH FIRE.

DC Amplifier Volts	Treatment Plate Volts
+19	54
+38	102
+57	148
+76	194
+95	240
+114	288