MODIFICATION FOR IMPROVED PERFORMANCE WHEN OPERATING SIMPLEX

Operating the super simple six meter sdr on either six or ten meters in the simplex mode may find the DDS output may interfere when receiving weak signals on the same frequency as transmit. A simple modification shown here will disable the DDS output when in receive mode, and activate it on the grounding of the push-to-talk connection.

PARTS REQUIREMENT:

2N3904 TRANSISTOR   QUANTITY 1
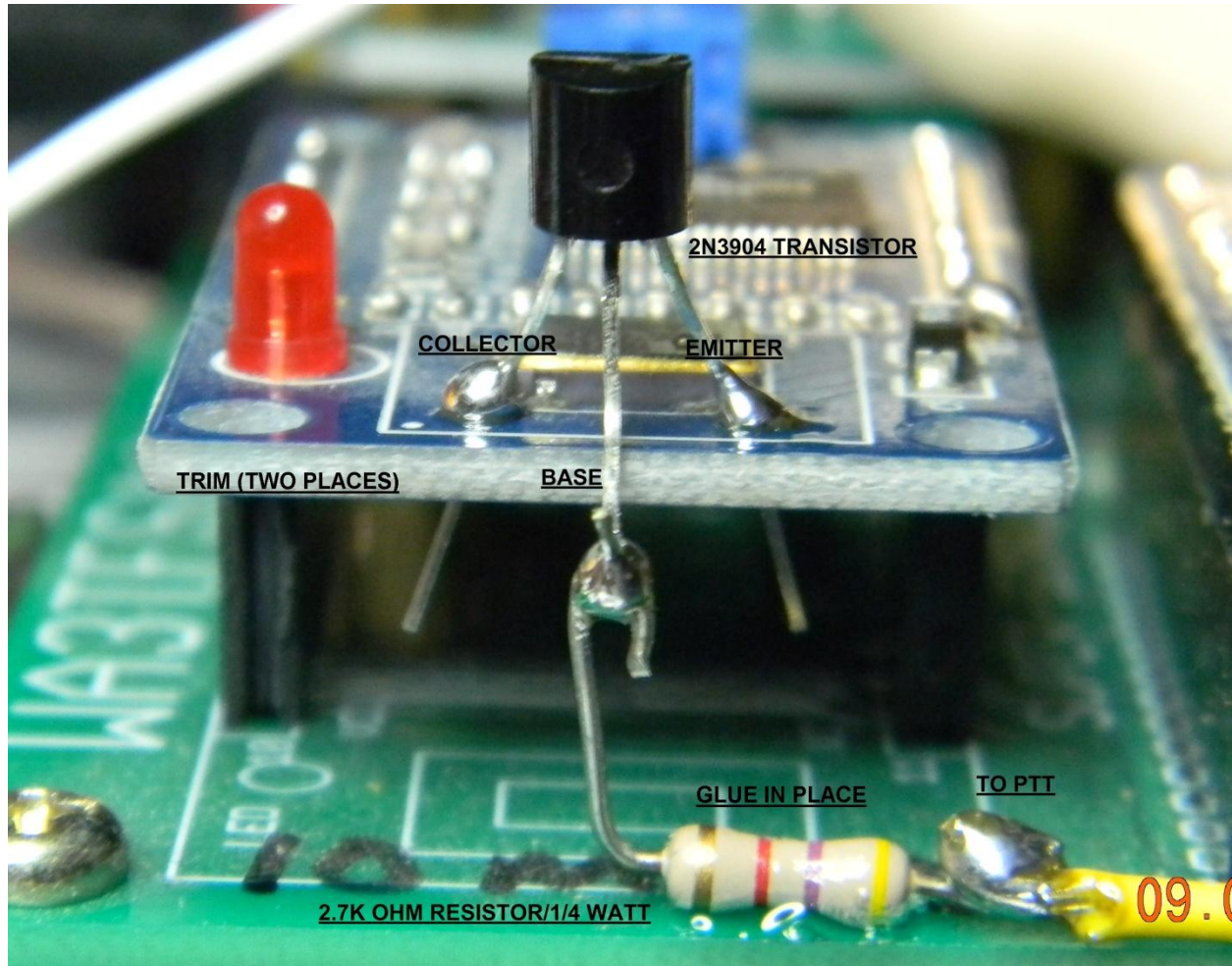
2.7K 1/4WATT RESISTOR   1

PROCEDURE:

1.   On the DDS module near the on board oscillator, place the transistor into the existing holes as shown in the photo and solder in place.

2.   Connect the 2.7K ohm resistor to the base lead and attach to the circuit board using a drop of epoxy or super glue.

3.   Attach a wire to the other lead of the resistor and connect to the ungrounded connection for the PTT.

The DDS module will now program as before the modification but there will be no output unless the push-to-talk is activated.

Modification of the super simple six or ten meter SDR transceiver for simplex operation.

This modification will work for simplex operation on either six or ten meters. If you only operate through repeaters, this modification is not necessary.

WA3TFS

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