

RF-IVD, MODEL 1133, INTERNAL PHOTOGRAPHS

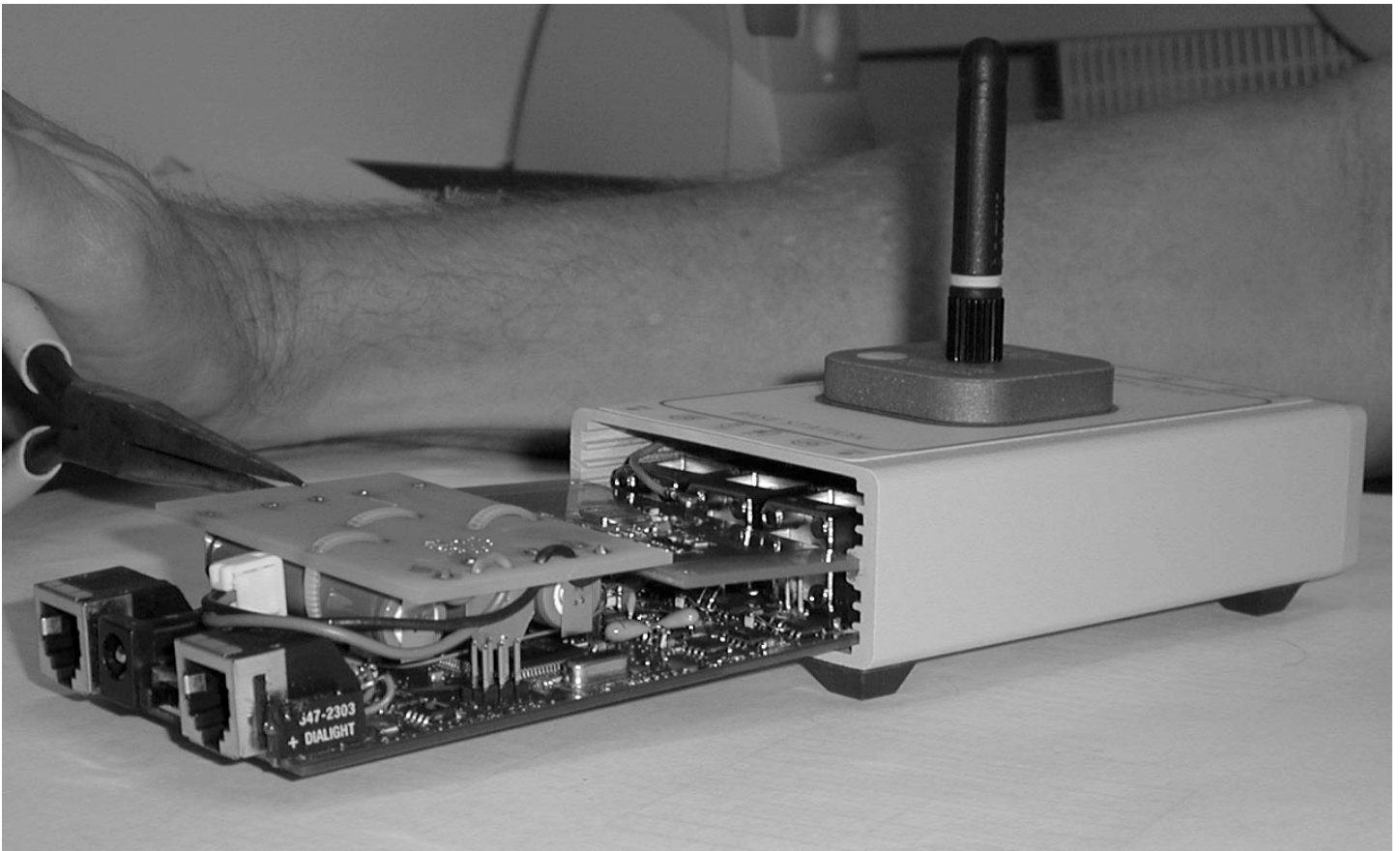


FIGURE 1
Base Station/Diode Pod Assembly

The assembly shown in Figure 1 consists of four Printed Circuit Board (PCB) assemblies. The lower board is the electrometer board. When it is used as a Diode Pod, it converts the current from the radiation detection diodes to digital values for transmission back to the Base Station. When it is used as a Base Station, it receives data from a Diode Pod and relays it to an Operator Module or a Personal Computer via a cable. The board being held in position by the pliers is a battery pack consisting of three "AAA" NiMH batteries. The third board is the RF transceiver. The fourth is the antenna mounting pad (Not visible).

The first three boards slide into grooves in the extruded aluminum case. The picture shows them in their approximate positions. Refer to the following assembly drawing for a more detailed representation of the unit as assembled.

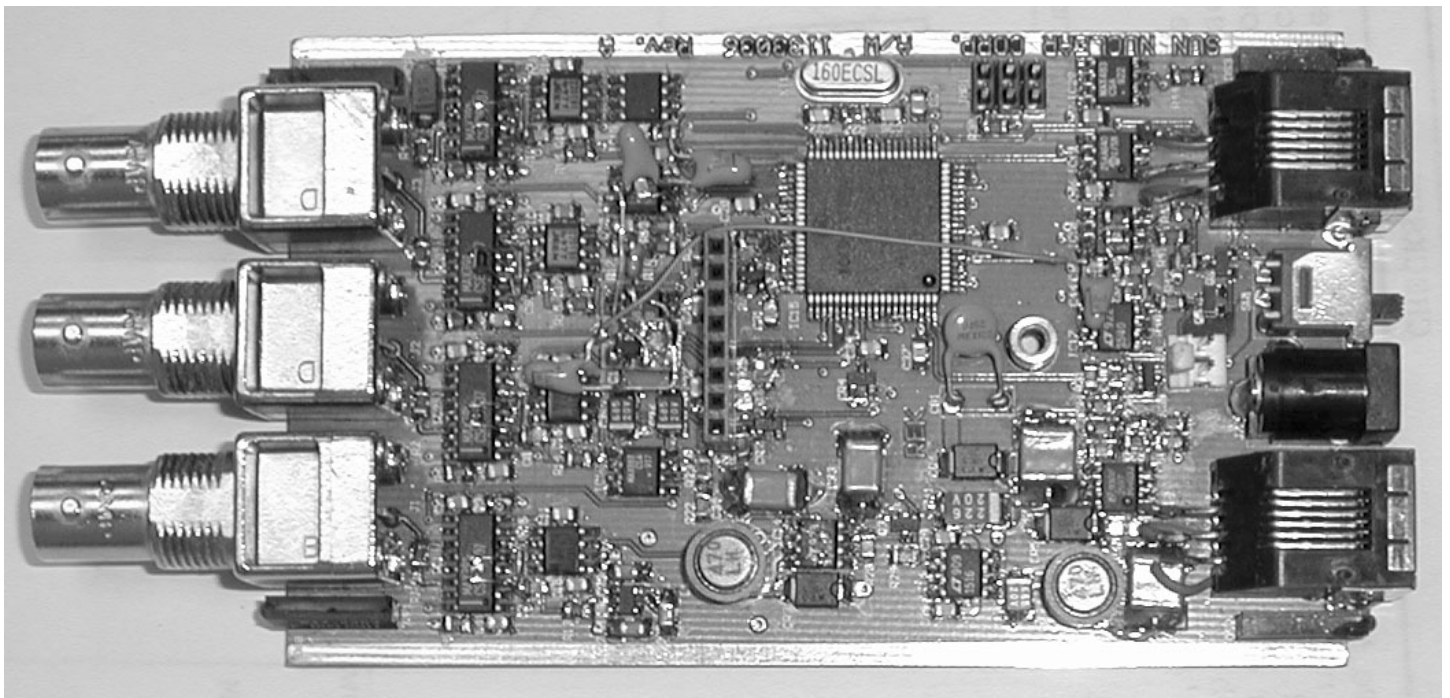


FIGURE 2A
Top of Electrometer Assembly

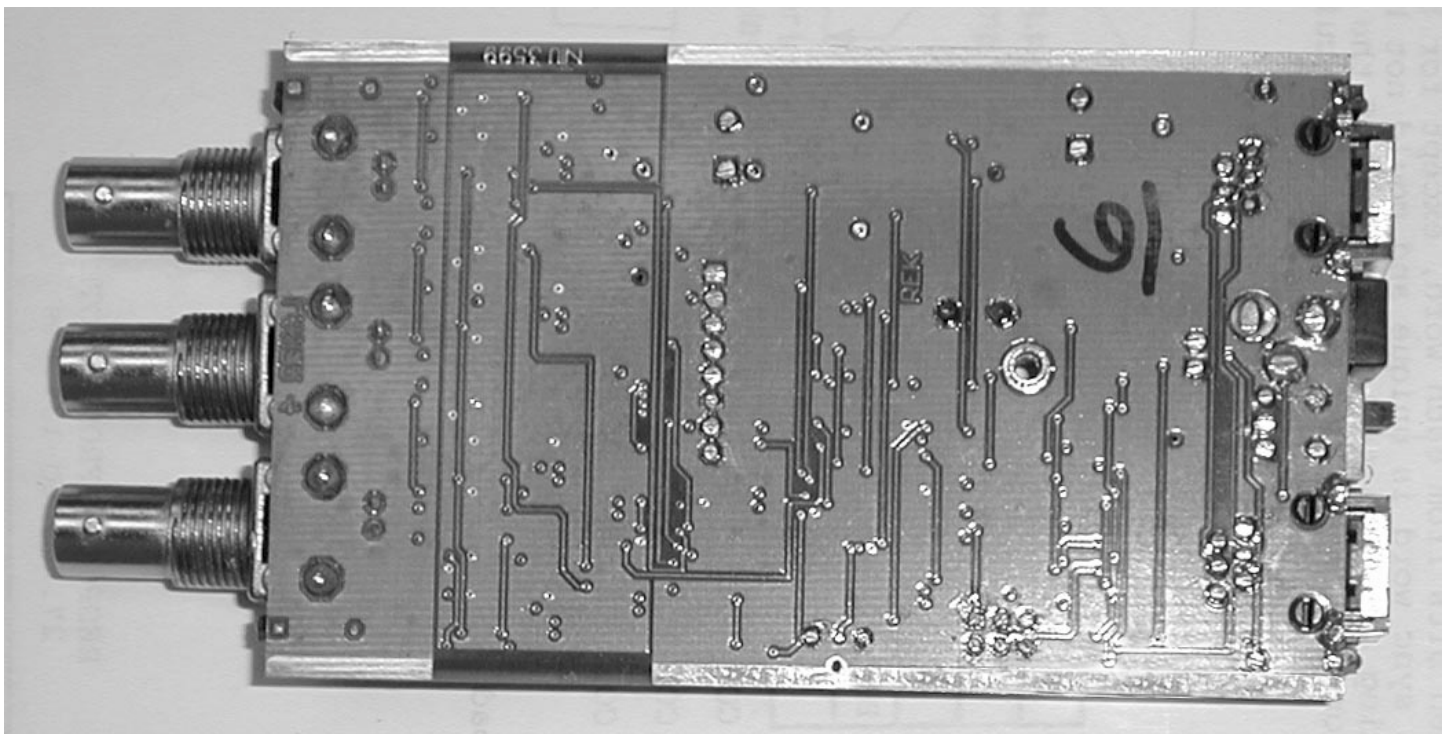


FIGURE 2B
Bottom of Electrometer Assembly

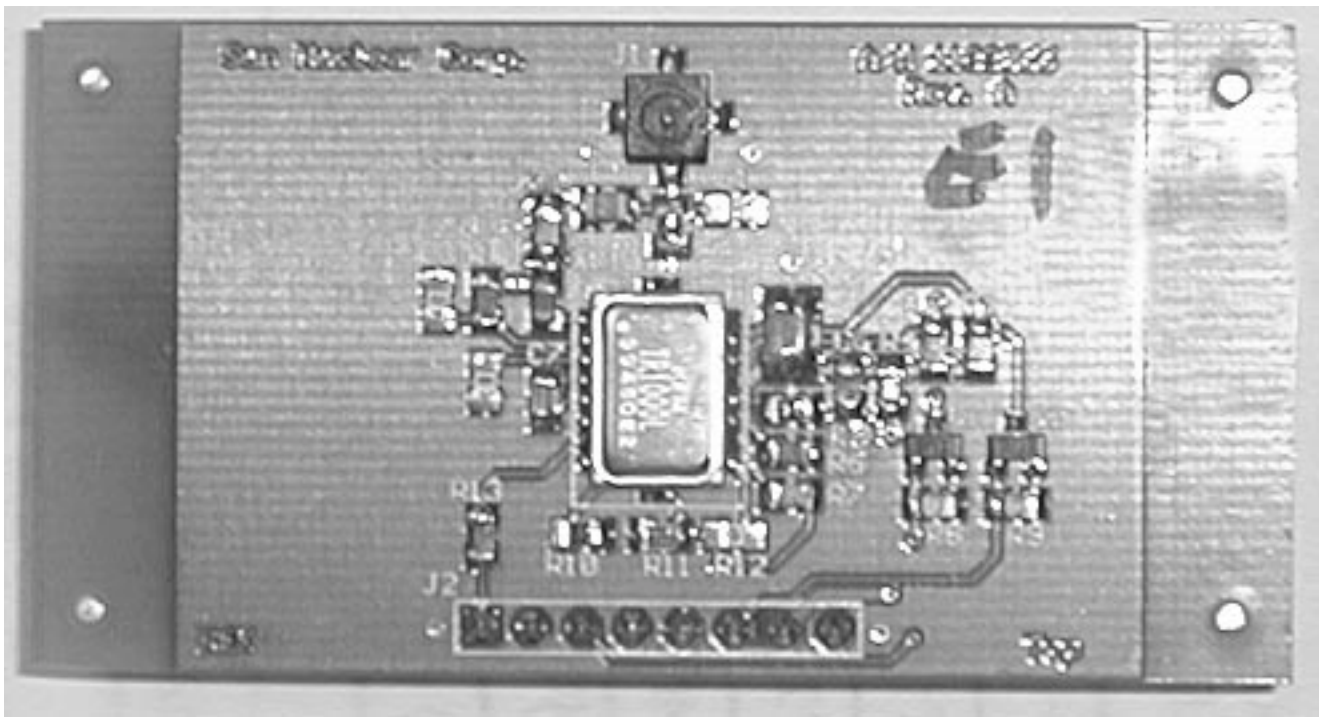


FIGURE 3A
Top of RF Transceiver Assembly

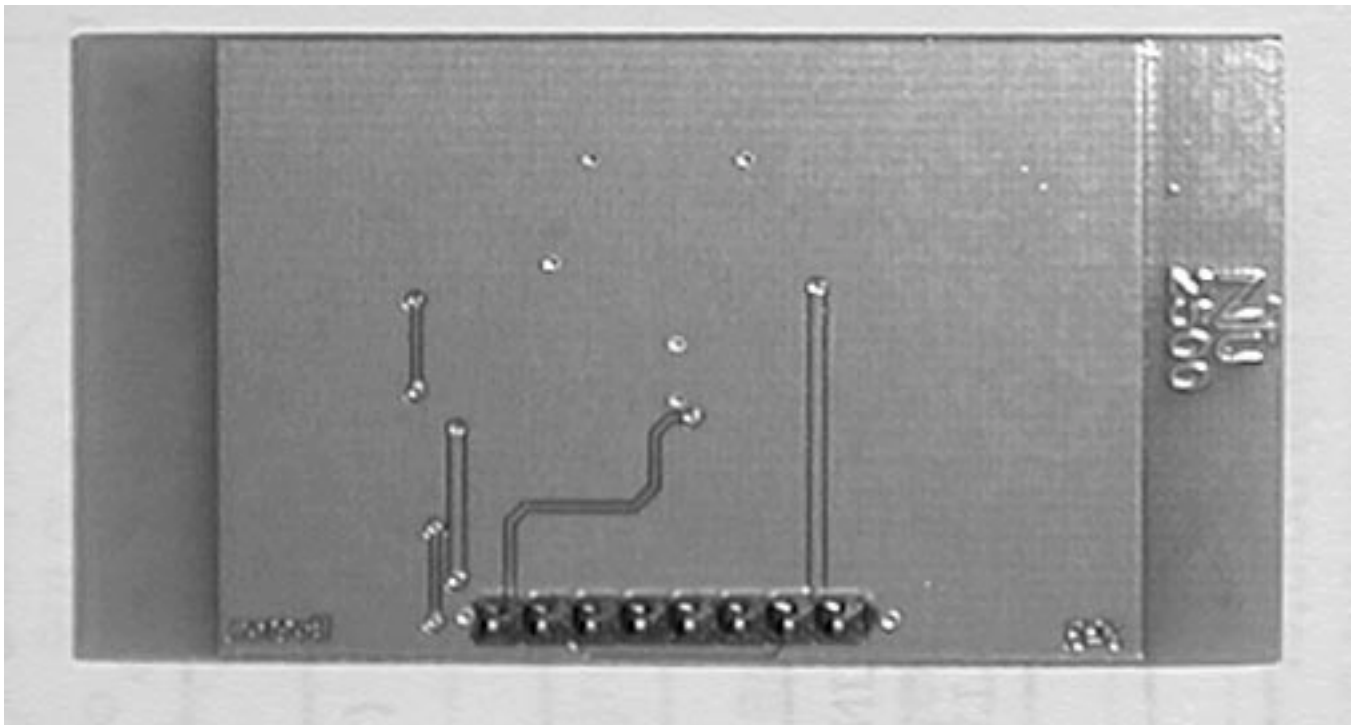


FIGURE 3B
Bottom of RF Transceiver Assembly



FIGURE 4A
Antenna Mounting Pad, Top

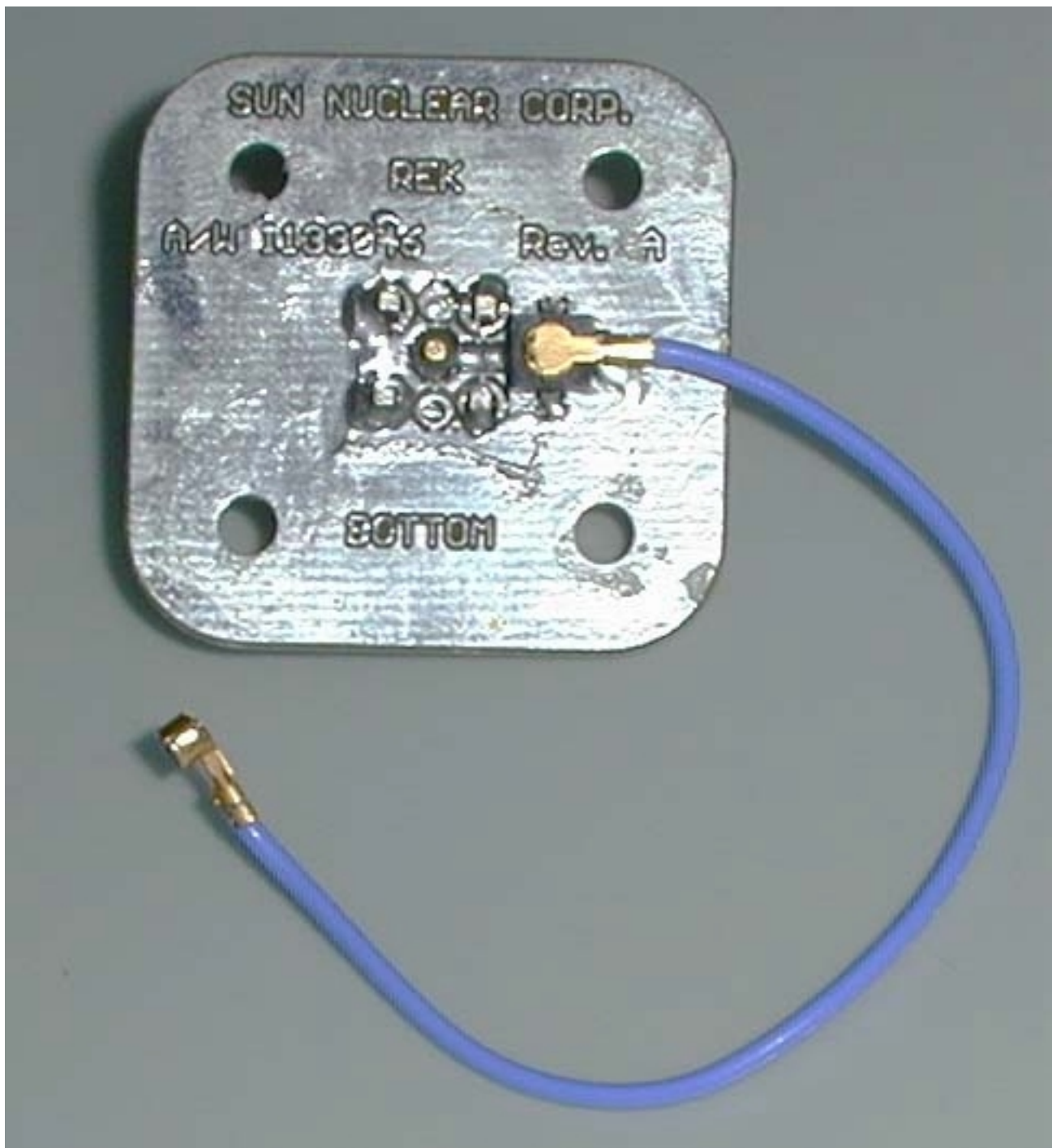


FIGURE 4B
Antenna Mounting Pad, Bottom