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Internal Unit Photographs,
FiberLeap Access Unit Model AU2006

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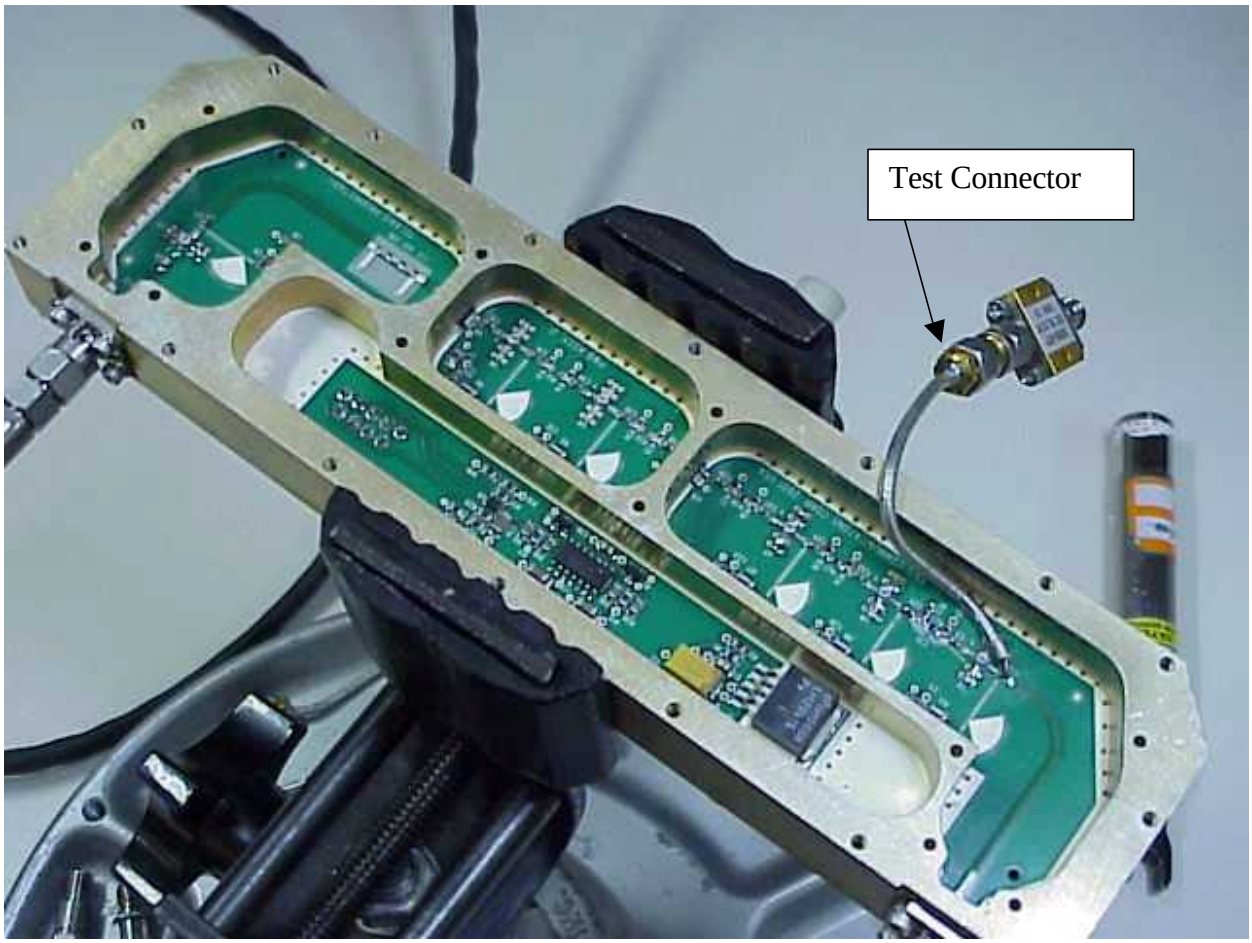

Photo of IF Module with top cover removed. Photo taken at completion of module test before installation of module into top assembly. Test connector was installed only during module test.

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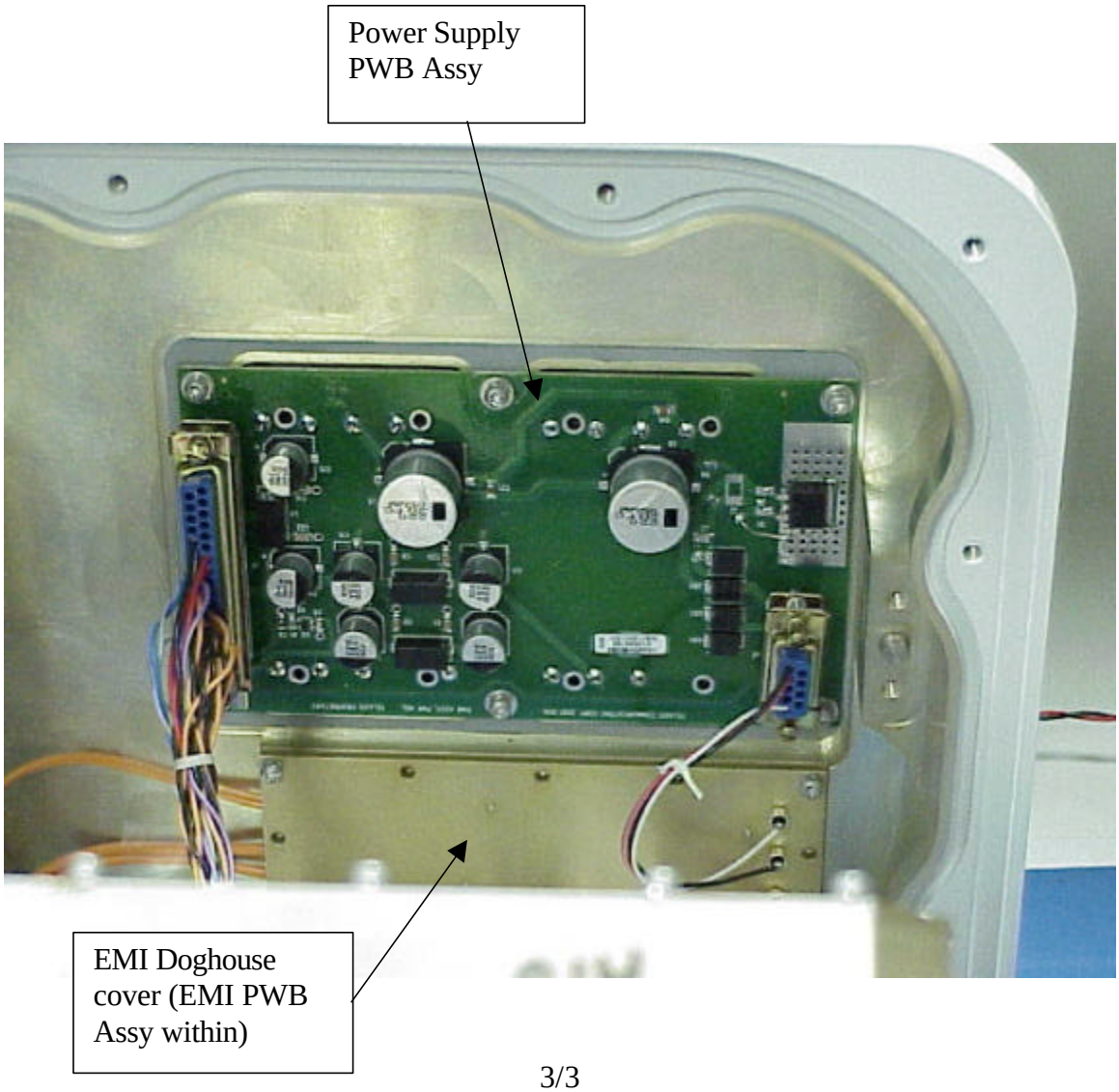
Photo showing Power Supply PWB Assy installed in bottom of housing.



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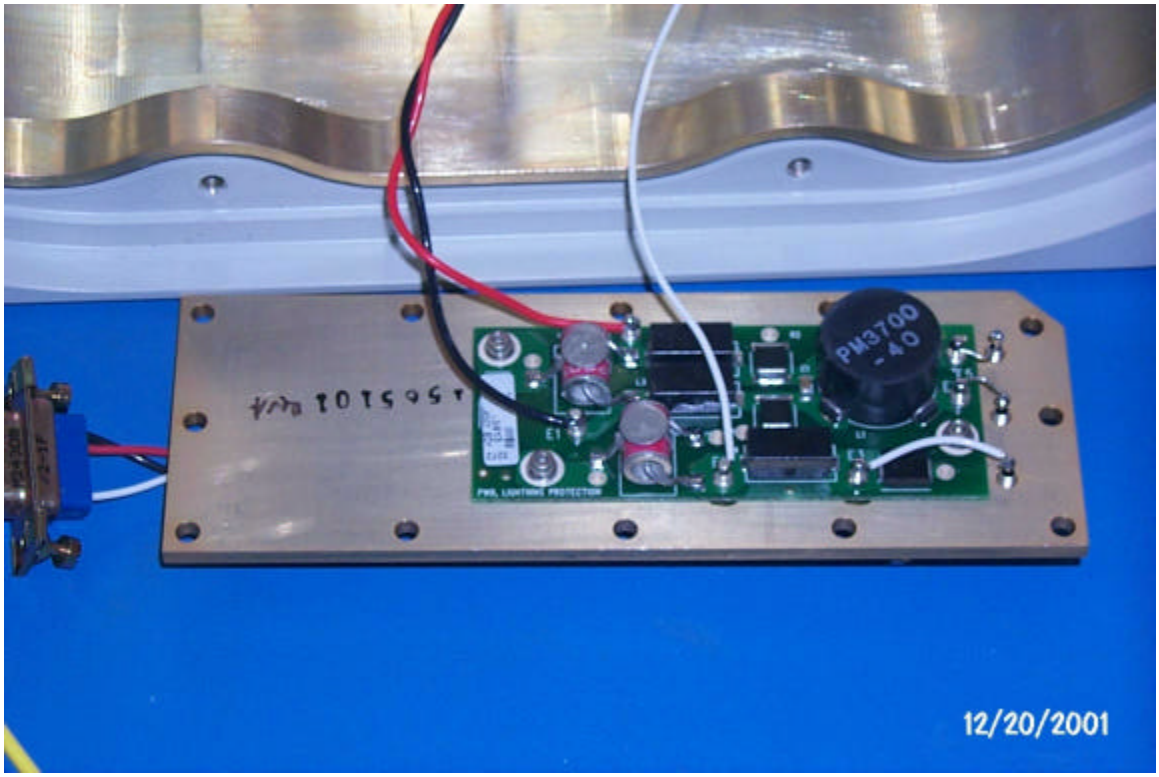

Photo of EMI Filter/Lightning Protection Board Assembly mounted on cover of “EMI Doghouse”. Shown after test of this module and just prior to the cover being installed in the housing.

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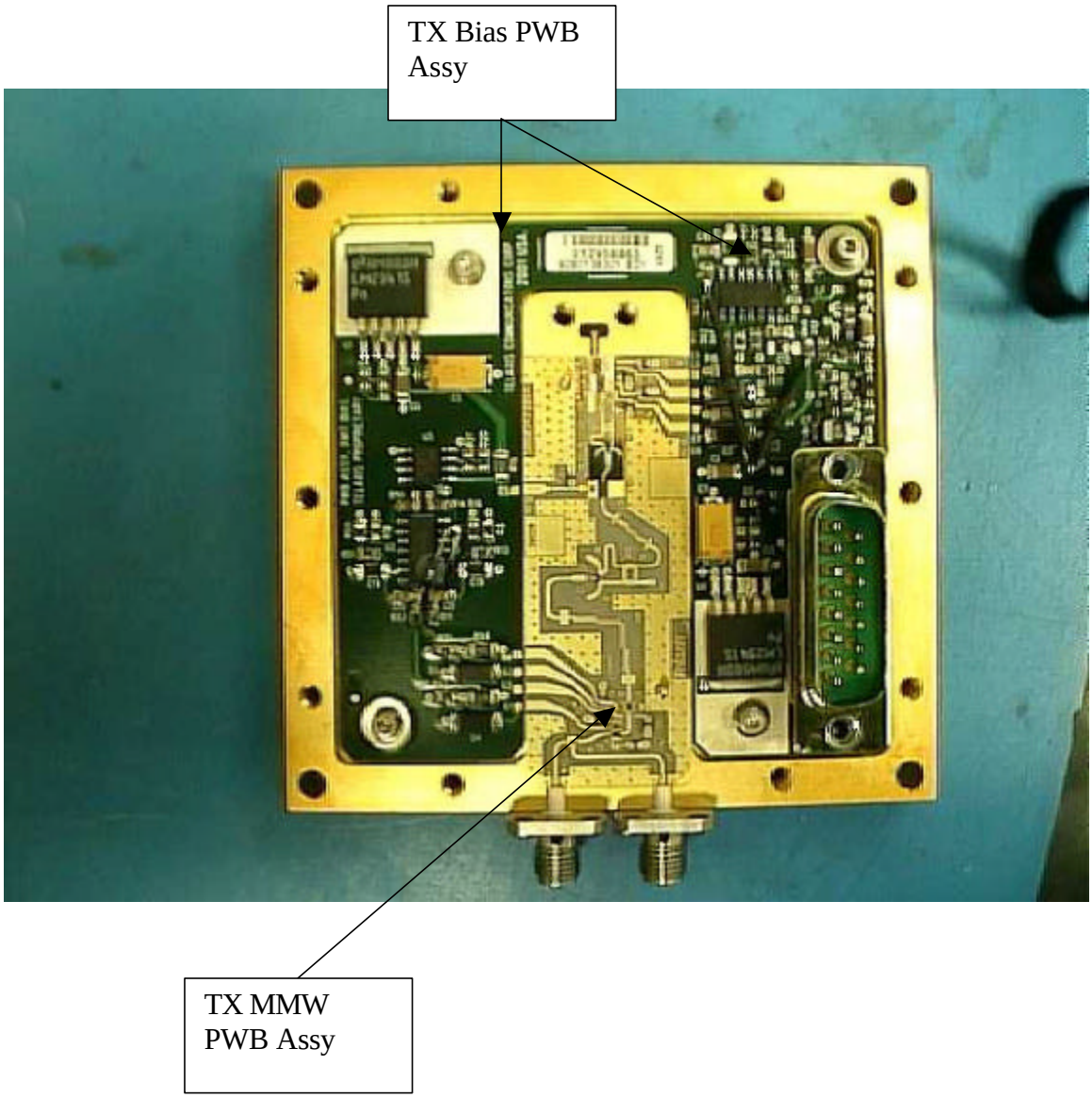

Photo of TX Module Assy with cover removed.

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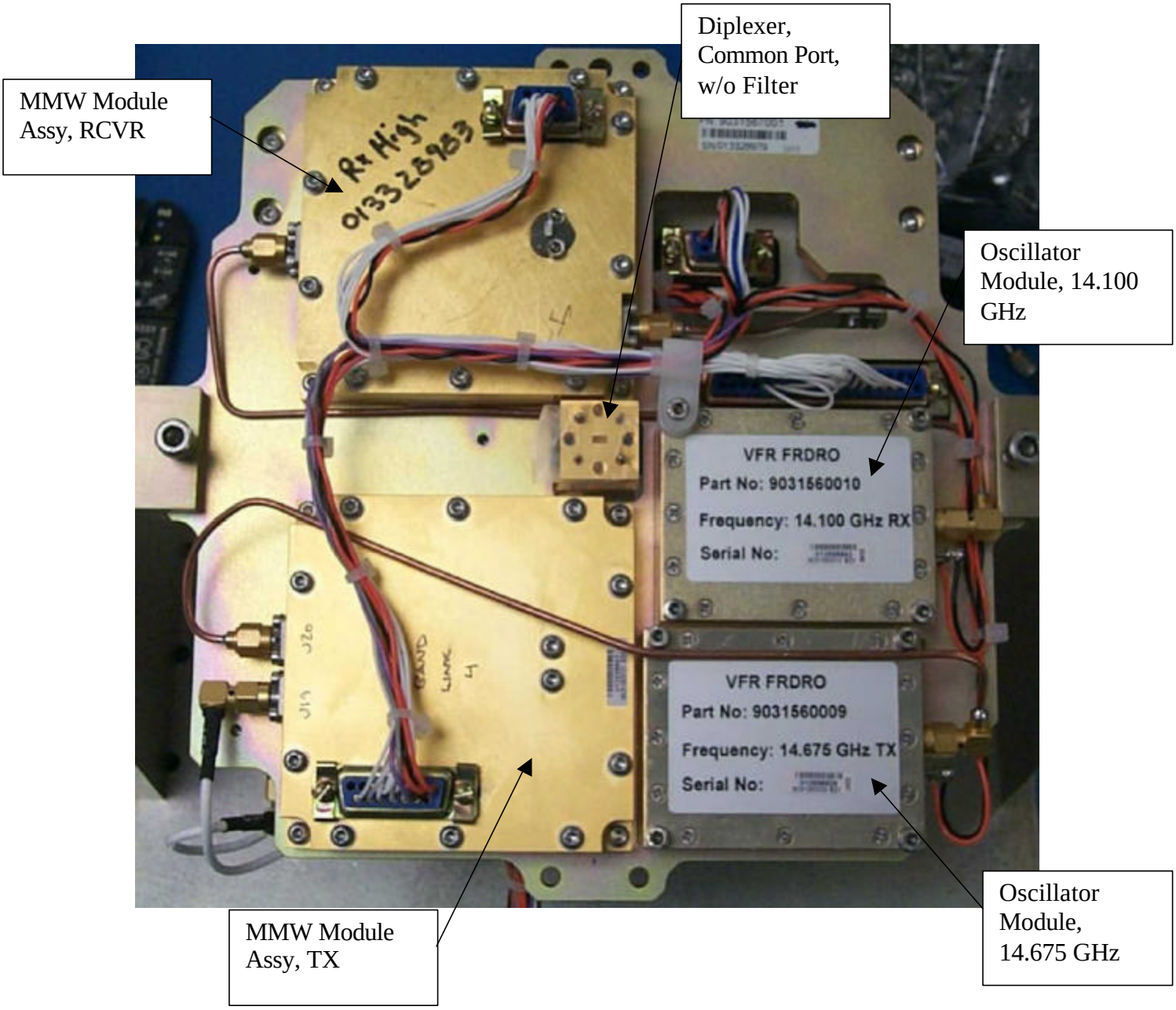

Photo of Module Plate Assembly, MMW module side, showing wiring interconnects. Prior to assembly into housing.

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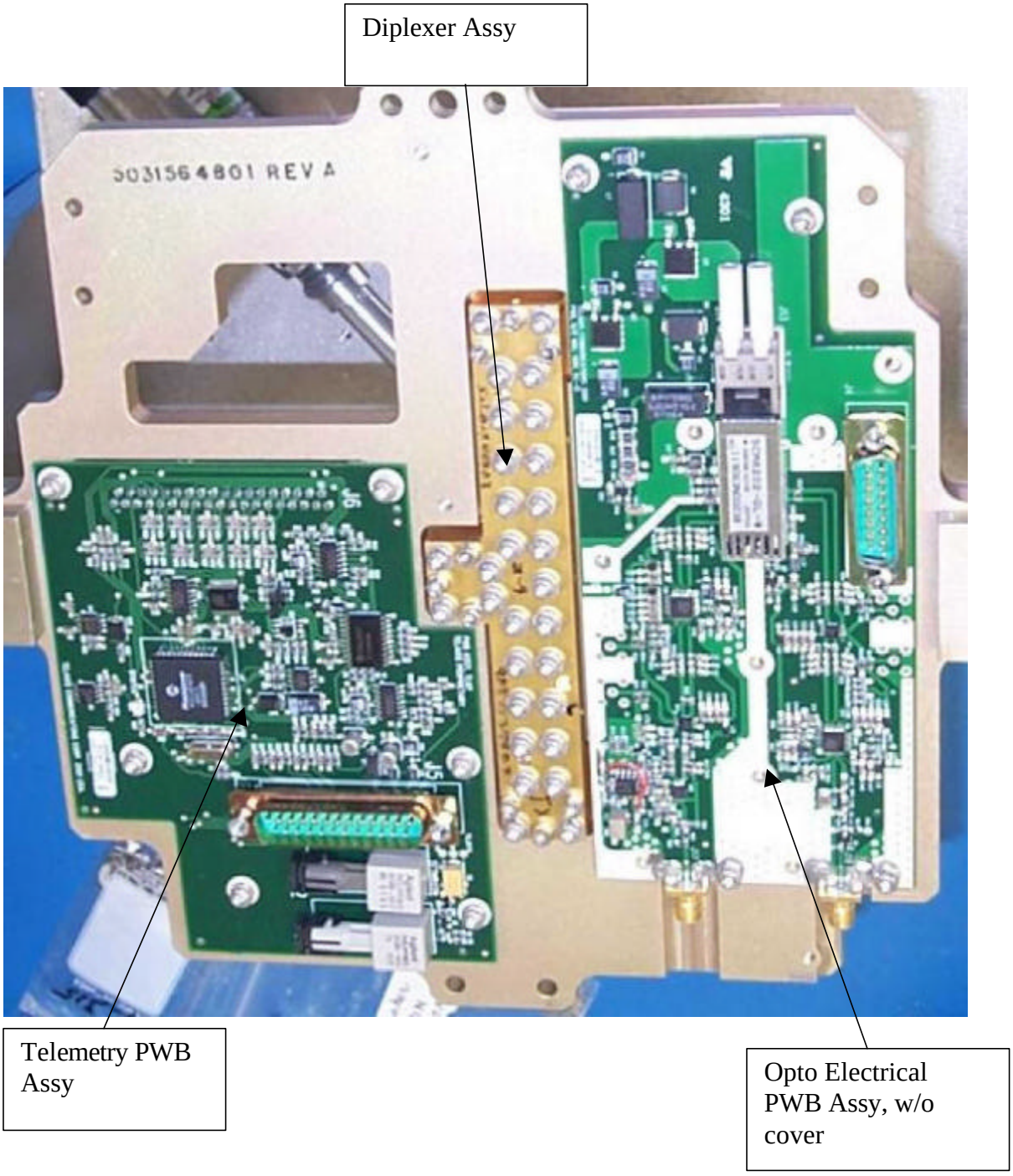

Photo of Plate Module Assy showing Opto/Electrical PWB Assy installed on plate but with cover removed. Prior to installation of plate in housing.

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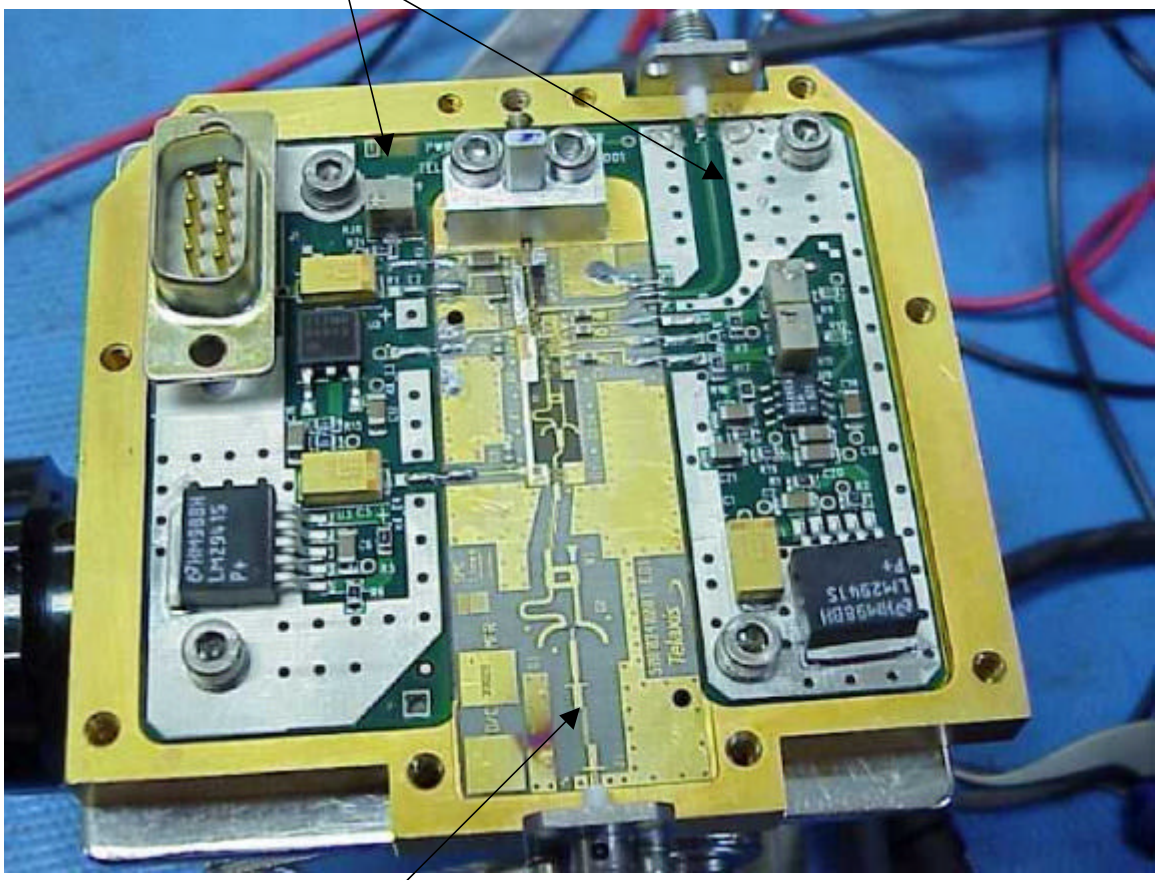
Photo of RX Module Assy with cover removed.

RCVR Bias
PWB Assy



RCVR MMW
PWB Assy

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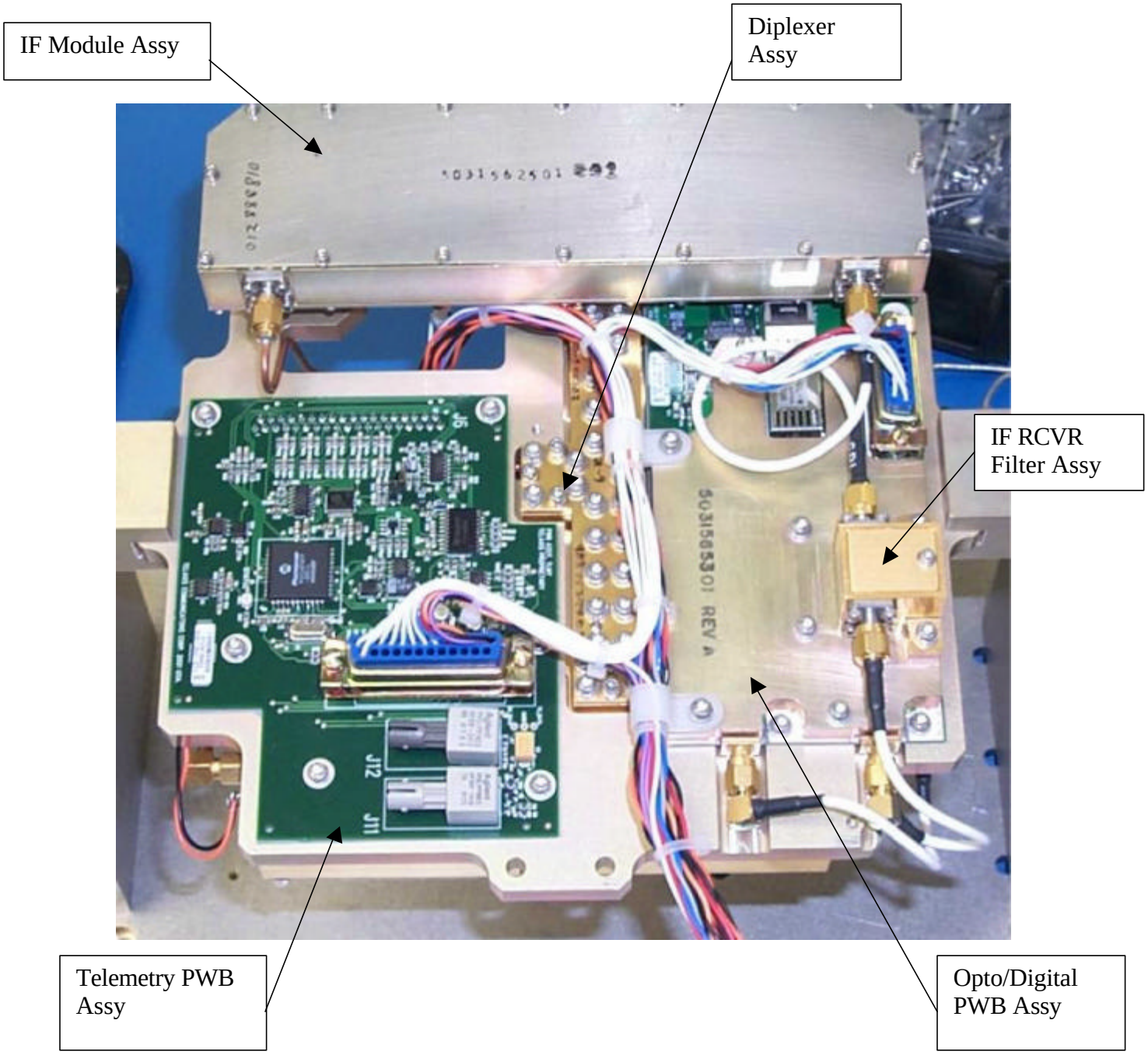
Photo of Module Plate Assembly, PWB side, showing wiring interconnects. Prior to assembly into housing.



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The transreflector antenna comprises three principal components: (1) a linearly polarized feed horn, (2) a transreflector, and (3) a polarization twist-reflector. The photos below identify these components in our 60 GHz production prototype.

These photographs of the 60 GHz Transreflector antenna are shown on a test plate. (i.e., the twist reflector would normally be mounted on the rear surface of the Access Unit housing, but in this antenna assembly it was mounted on a test plate for convenience during development and initial production testing.)

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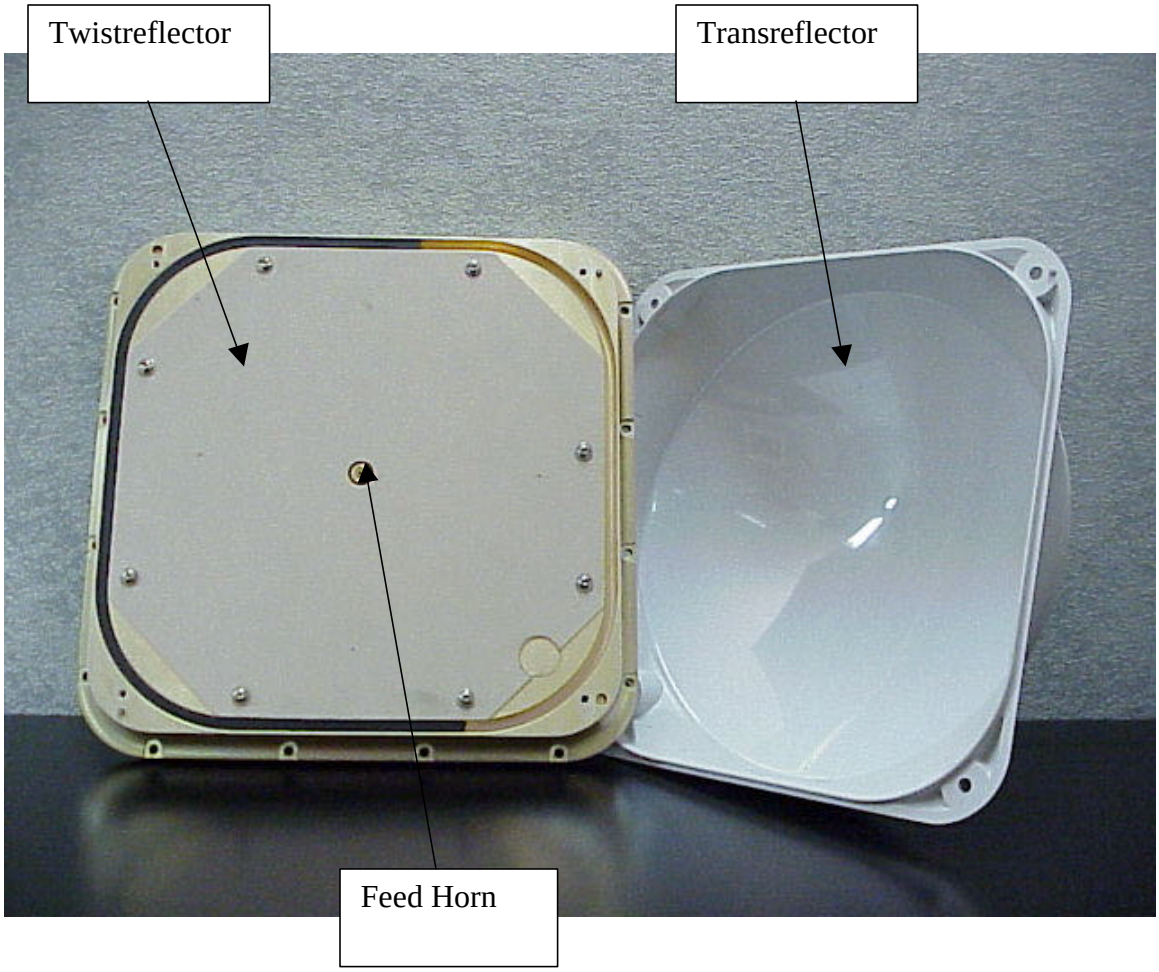

Photo with Transreflector removed.

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