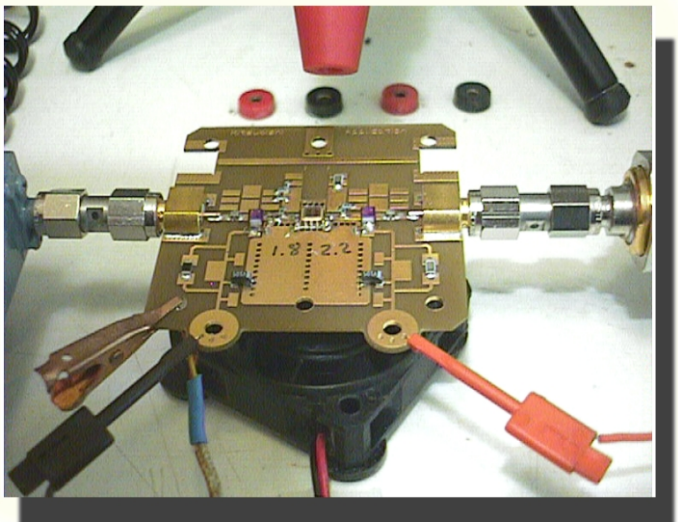
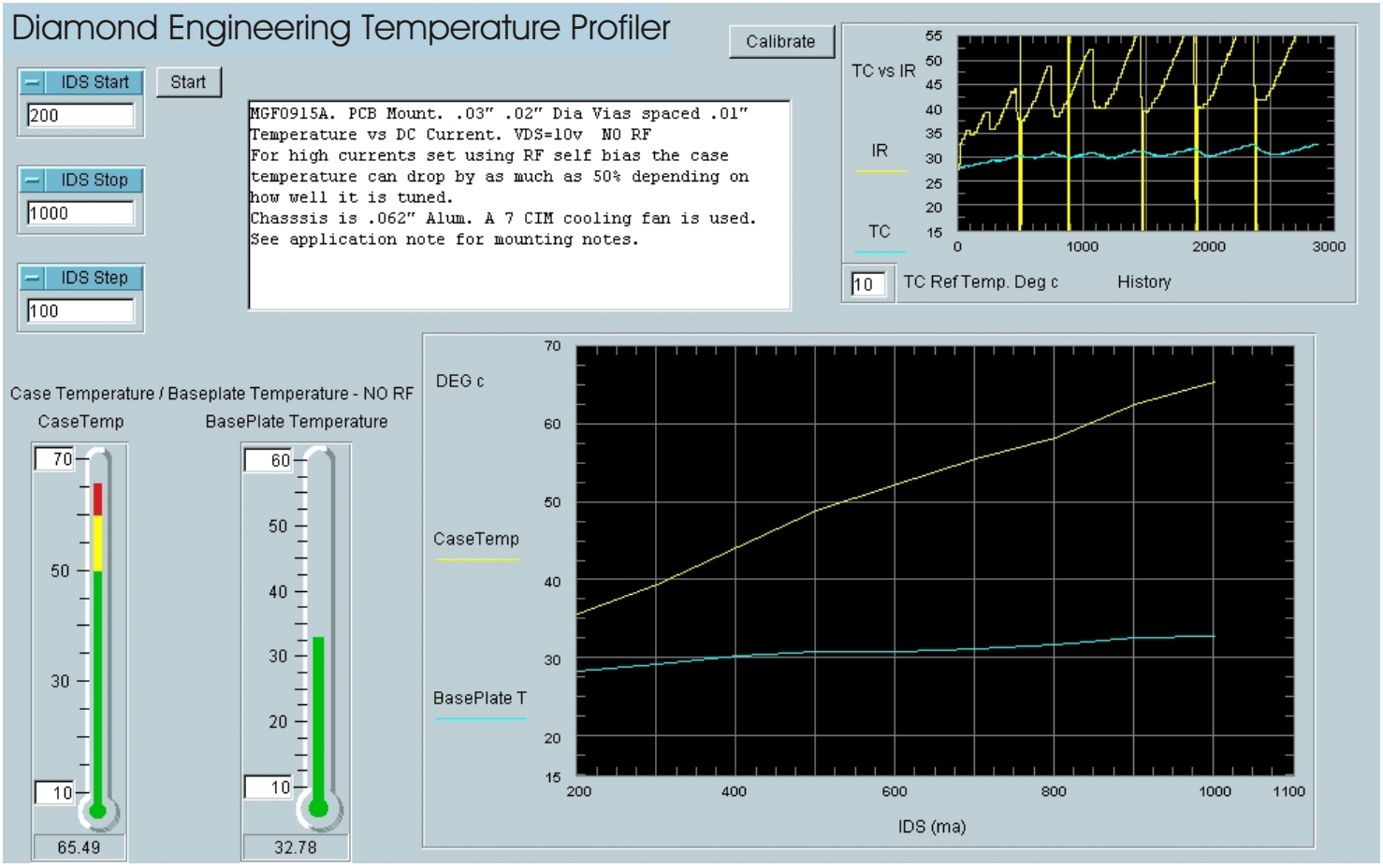
IR Probe And Novel Software Measure High Power Devices. Effect Of Microwave Tuning Can Be Seen.

Diamond Engineering

Thermal case temperature measured using infra red spot probe. Chassis plate is heat sink. Class AB operation will run cooler depending on the efficiency. Baseplate temperature should be kept below 30c

IR Probe Programmed Into Diamond ENgineering's HPA Measurement Explorer System





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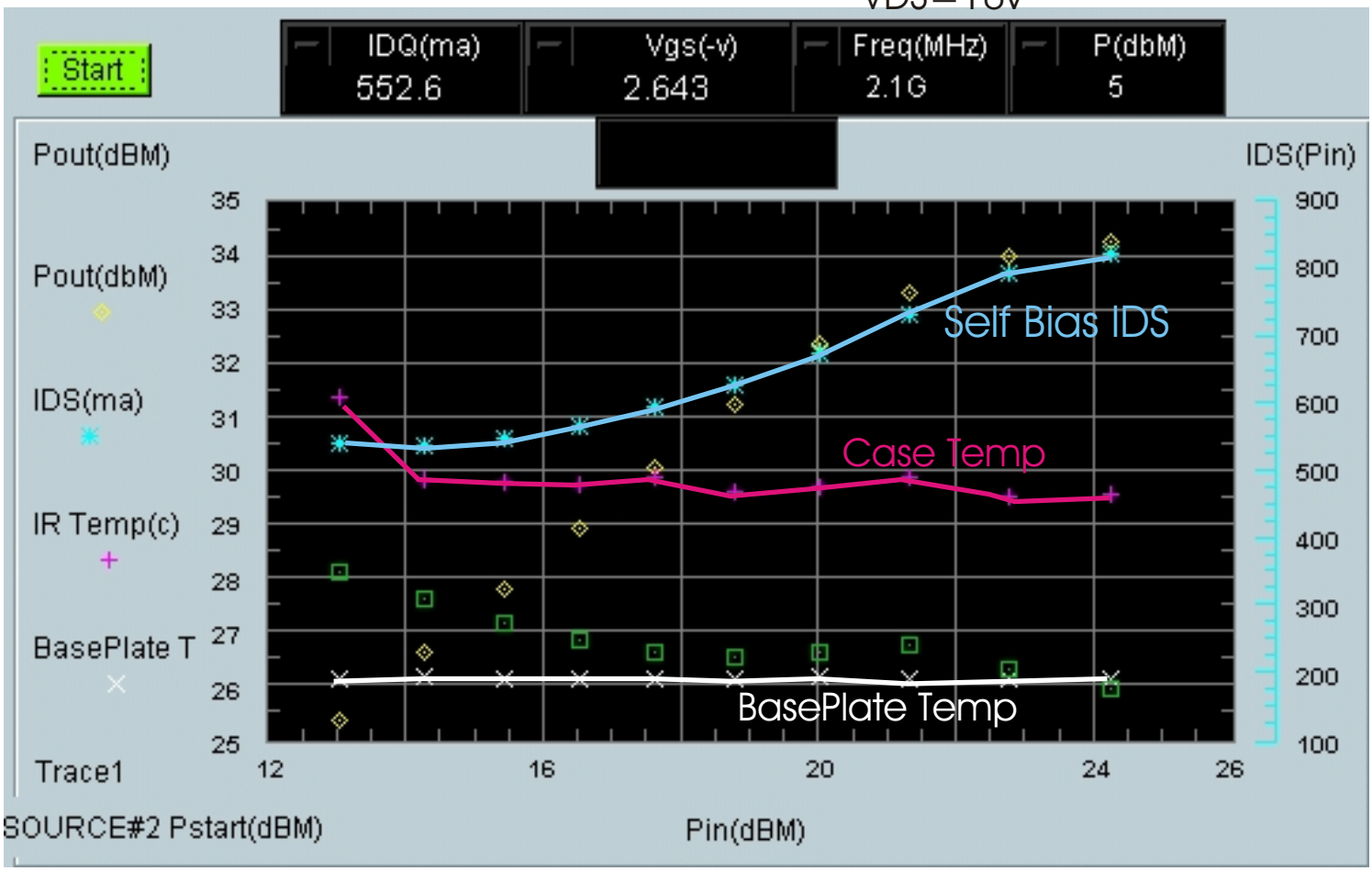
The Case temperature profile vs DC current when self bias is predominate. Note the dramatic difference in case temperature at 800ma (45c) compared to the previous DC bias current temperature (57c)

Left Scale RF Pin (dBM)

Right Scale is Temp x 10
IDS (ma)
VDS=10v



Diamond Engineering's HP-Vee Based Measurement Explorer is Used TO Create Data For Diamond Engineerings' MeasurementExplorer

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