



Job Description – Principal RF Test Engineer [SVH024]

Position Summary

The individual chosen for this position will be a member of an engineering team responsible for managing and implementing customer projects for RF testing at our lab in Silicon Valley. This individual will be responsible for developing, sustaining and improving wafer level and packaged part/MCM RF testing of high-frequency (SiGe, InP, GaAs - 10GHz to 70GHz) designs, from early “first-wafer bring-up” to production testing. The successful candidate will be an effective problem solver, proactive process owner and insightful test program developer.

Responsibilities:

- Primary responsibility is to develop, sustain and improve processes for on-wafer electrical testing (RF/DC) for engineering characterization and pre-production test validation
- Develop test programs (i.e. write) based on customers’ test specifications
- Assume complete engineering ownership of RF/DC test systems. Provide fault-free operational procedure to Production personnel, carry out troubleshooting as needed
- Maintain test results correlation with customers’ golden setups
- Streamline data gathering, storage and access to minimize effort required to generate required customer reports
- Work with customer’s product engineering staff on test strategies that minimize wafer probe requirements while maintaining product integrity to specifications
- Aid product development and production testing with the generation of optimal probe card solutions (Cascade Pyramid and GGB probe technologies) including schematic capture and layout review
- Assist with pre-sales activities for RF test project proposal and services capabilities

Requirements:

- Minimum BS, MS preferred in Electrical Engineering
- Proven track record (6+ years) in RF testing (wafer probing and packaged devices test)
- GPIB, LabView, Visual Basic demonstrated hands-on programming experience. Knowledge of UNIX environment a definite plus.
- Hands-on experience with operation and programming of bench RF/DC test equipment such as Network Analyzers, Signal Generators, Power Meters, Pulse Generators, Oscilloscopes and Spectrum Analyzers
- Proficient with MS Office tools. Familiarity with statistical analysis tools (e.g. Galaxy Yield Management software) a plus
- Demonstrated experience with customers relations: strong communication skills and ability to manage customers’ interaction at engineering level
- Must have a “do whatever it takes” attitude to get the job done and a No-questions-asked “customer is number one priority” business style



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