



Systems Technology Group

IBM STG SPP Implementation

Roger Krabbenhoft

11/12/2011

Topics

- Current Implementation
- Product List
- Future Implementation

Current SPP Implementation

■ Implementation Methods

- Secure Early and Accurate Stripline-Specific Dk/Df Information For RLIN Corner Models.....Prior to and/or at HLD-Exit

- Initial Parts Testing Only
 - 30 – 50 pcs From Initial Shipments
 - Each Supplier Performs Analysis
 - Repeat If Supplier/Design Changes
 - Compare Results to Early Models

- Ongoing Production Testing
 - Dependant on Product Needs, Available Margin, Customer Requirements
 - Range From 10% Sample to 100% Test

- 2nd Source Qualification / Confirmation
- Supplier Process Change Confirmation
- Laminate Material / Supplier Technology Qualification

Product List – SPP Implementation

- p7HE
 - Kallana
- z7HE
 - Magnus
 - Vipal
 - Magnum
- p7IH
 - Dakara
 - Jaffa
- p7MR
 - Kizer
 - Teravista
 - Medusa
- p7HV16/32
 - Connors/Ashe
 - McEnroe/Roddick
- Firebird2s/4s
- Gov't Systems
- Accipiter
 - Centaur Midplane *
- Pelican S
 - Kiwi Midplane *
- Pelican H
 - IO Board *
 - Midplane *
- Bluehawk I/O
 - Warhawk *
 - Gyr Falcon *
- p8MR/HE
 - Teton *
 - Others per Architecture Requirement *
- p8LE/ITE
 - Tuelta *
 - Orlena *

* Denotes Focus On Differential Attenuation

Future Implementation

- Ongoing Focus On Differential Attenuation

- Higher Bandwidth Analysis
 - < 3 GHz
 - > 20 GHz

- Microstrip Evaluation