

Power Measurement Seminar at NPL

23 November 2011

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| 08.30 – 09.00 | Registration, Tea/Coffee |
| 09.00 – 09.15 | Introduction from Rhys Lewis, Division Head of Time, Quantum and Electromagnetics Division at NPL |
| 09.15 – 10.00 | Rohde & Schwarz - Basics of Power Measurements <ul style="list-style-type: none">• Different types of sensors and why choose for different applications (Thermal vs Diode etc)• The right sensor for the right application• Three path sensors |
| 10.00- 10.45 | Thomas Reichel - Accuracy of Power Measurement <ul style="list-style-type: none">• Sources of error• Power sensor technologies and their limitations• Instrumentation and the concept of an integrated power meter• Mismatch and gamma correction• Progress in recent years and outlook |
| 10.45 - 11.15 | Coffee/ Tea |
| 11.15 - 11.45 | John Howes <ul style="list-style-type: none">• RF and Microwave Standards at NPL |
| 11.45 - 12.30 | Darren Tipton - Pulse Analysis <ul style="list-style-type: none">• Power viewer plus• NRPV and NRP-Z81 |
| 12.30 - 13.15 | Lunch |
| 13.15 - 14.00 | NPL Lab Tour |
| 14.00 - 14.45 | Thomas. Reichel - Power measurements / calibration to 50GHz <ul style="list-style-type: none">• Gamma• NRVC |
| 14.45 – 15.30 | Jamie Lunn - Sensors in Scalar Network Analysis <ul style="list-style-type: none">• S parameter correction• Embedding / de-embedding• Power Analysis (SMF-K28) |
| 15.30 – 16.00 | James Miall <ul style="list-style-type: none">• Recent Developments in RF and Microwave Power Standards at NPL |