



HF-Circuits

Sixth European ANAMET Seminar

Special Session: Metrology Guides for VNAs

Tuesday 28th June 2016

National Physical Laboratory
Hampton Road, Teddington, TW11 0LW, UK

AGENDA

09:00 - 09:25	Coffee and registration	
09:25 - 09:35	Welcome	Andrew Smith NPL, UK
09:35 - 09:50	European research project - Metrology for new electrical measurement quantities in high-frequency circuits: Review of project outcomes	Nick Ridler NPL, UK
09:50 - 12:25	Morning Session	
09:50 - 10:15	Characterisation of calibration standards for 1 mm connectors	Karsten Kuhlmann PTB, Germany
10:15 - 10:40	Adapter characterization up to 110 GHz	Juerg Ruefenacht METAS, Switzerland
10:40 - 11:10	Coffee break	
11:10 - 11:35	Performance assessment of VNA calibration schemes for millimeter-wave and submillimeter-wave frequencies using the 33 GHz - 50 GHz band	Martin Hudlicka CMI, Czech Republic
11:35 - 12:00	Simulation of calibration standards and VNA calibration in differential mode	Djamel Allal LNE, France
12:00 - 12:25	A reference Printed Circuit Board (PCB) for the calibration and verification of S-parameter measurements	Martin Salter NPL, UK
12:25 - 13:25	Lunch	
13:25 - 16:15	Afternoon Session: Metrology Guides for VNAs	
13:25 - 14:05	The revision of EURAMET guide cg-12	Markus Zeier METAS, Switzerland
14:05 - 14:30	Good Practice Guide for the recalibration of ECUs	Karsten Kuhlmann PTB, Germany
14:30 - 15:00	Coffee break	
15:00 - 15:25	Uncertainty evaluation of a calibrated VNA	Faisal Mubarak VSL, Netherlands
15:25 - 15:50	Traceable high impedance calibration standards	Karel Hoffmann CTU, Czech Republic
15:50 - 16:15	One-port and two-port nonlinear verification device for NVNA	David Humphreys NPL, UK
16:15 - 17:00	NPL Laboratory Facilities tour	
17:00	Meeting close	