

## Status Report for WI to TSG

**Work Item Name:** Multiple Input Multiple Output Antennas - RF Radio Transmission/  
Reception, System Performance Requirements and Conformance Testing

**SOURCE:** Man Hung Ng, Lucent

**TSG:** RAN

**WG:** 4

**E-mail address rapporteur:** ngm@lucent.com

**Ref. to WI sheet:** RAN\_Work\_Items.doc

### **Progress Report since the last TSG (for all involved WGs):**

WG4 has held 1 meeting #28 since the last TSG RAN #20. During this meeting, an advanced receiver proposal for MIMO and HSDPA testing [1] was presented and discussed, but no agreement could be reached on including advanced receivers in the testing of HSDPA within WG4.

### **List of Completed elements (for complex work items):**

- Introduction of Spatial Channel Model for MIMO simulations

### **List of open issues:**

- UE radio transmission and reception
- BTS radio transmission and reception
- BTS Conformance testing
- Requirements for support of Radio Resource Management

### **Estimates of the level of completion (when possible):**

5%

### **WI completion date review resulting from the discussion at the working group:**

December 04, TSG RAN #26

### **References to WG's internal documentation and/or TRs:**

[1] R4-030797, Lucent Technologies, "An advanced receiver proposal for MIMO"