

Title: Proposed WI: "UE antenna efficiency test methods and performance requirements"

Document for: approval

Source: Telia AB

## **UE antenna efficiency test methods and performance requirements**

### **Draft Work Item Description**

#### **Title**

**UE antenna efficiency test methods and performance requirements**

**1                    3GPP Work Area**

X	Radio Access
	Core Network
	Services

**2                    Linked work items**

This is parented to the RAN improvement feature.

**3                    Justification**

Antenna performance of the UE is very critical to the operation of the radio network. Requirements on UE antenna efficiency based on well defined test methods are therefore needed.

**4                    Objective**

The objective of the work item is to define test methods and requirements on UE antenna efficiency for different UE types.

**5                    Service Aspects**

*None*

**6                    MMI-Aspects**

*None*

**7                    Charging Aspects**

*None*

**8                    Security Aspects**

*None*

**9                    Impacts**

<b>Affects</b>	<b>SIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>:</b>					
<b>Yes</b>		X			
<b>No</b>	X		X	X	

Don't know					
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**10 Expected Output and Time scale (to be updated at each plenary)**

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary	Comments
25.101		UE Radio transmission and reception (FDD)	RAN #17	
25.102		UE Radio transmission and reception (TDD)	RAN #17	
34.121		Terminal Conformance Specification, Radio Transmission and Reception (FDD)	[T #17]	
34.122		Terminal Conformance Specification, Radio Transmission and Reception (TDD)	[T #17]	

**11 Work item rapporteur**

Ulf Tegth (ulf.b.tegth@telia.se)

**12 Work item leadership**

TSG-RAN WG4

**13 Supporting Companies**

Telia AB, Allgon

**14 Classification of the WI (if known)**

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c The WI is a Work Task: parent Feature: Radio interface improvement feature