
3GPP TSG RAN WG4 (Radio) Meeting #34
Scottsdale, US, 14 - 18 February 2005.

Tdoc R4-050282

Title: LS on < **Additional simulation scenarios for UMTS900**>
Response to: LS (R4-050074) on < Sharing and compatibility studies for UMTS in 900 MHz band> from ECC-PT1

Work Item: **UMTS900 Work Item**

Source: **3GPP RAN4**
To: **ECC PT1**
Cc: **3GPP RAN**

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1. Overall Description:

3GPP RAN WG4 would like to thank ECC-PT1 for the LS on sharing and compatibility studies for UMTS in 900 MHz band. After analysis, 3GPP RAN WG4 has agreed that the additional deployment scenarios requested in the LS will be studied within the UMTS900 work item. During its last meeting held in Phoenix from February 14th to 18th, 3GPP RAN WG4 identified additional deployment scenarios to the ones requested by ECC-PT1. 3GPP RAN WG4 plans to perform studies on the following scenarios:

Scenario_1: UMTS(macro)-GSM(macro) in Urban area with cell range of 577 m in uncoordinated operation

Scenario_2: UMTS(macro)-GSM(macro) in Rural area with cell range of 5000 m in uncoordinated operation

Scenario_3: UMTS(macro)-GSM(macro) in Rural area with cell range of 5000 m in coordinated operation

Scenario_4: UMTS(macro)-UMTS(macro) in Rural area with cell range of 5000 m in uncoordinated operation

Scenario_5: UMTS(macro)-GSM(micro) in Urban area in uncoordinated operation

Scenario_6: UMTS(macro)-GSM(pico) in Urban area in uncoordinated operation

ECC-PT1 requested the sharing studies for the scenario 2, 3, and 4 to be done by September 2005. 3GPP RAN WG4 estimates that it will be difficult to complete the simulation studies for all of the above-identified scenarios by September 2005. It is therefore proposed to move the UMTS900 Work Item completion date to December 2005.

3GPP RAN WG4 would like to ask ECC-PT1 to clarify what type of input in terms of sharing study results or other technical information that is expected from 3GPP. For information, 3GPP RAN WG4 plans to generate a technical report within the UMTS900 work item, which will include simulation assumptions and simulation results for the planned sharing studies.

3GPP RAN WG4 would also like to inform ECC-PT1 that without specific request from ECC-PT1 to do otherwise, 3GPP plans to specify UMTS900 with the standard channel raster of 200 kHz in the same way as for UMTS in the 2 GHz band and in the 1.8 GHz band.

2. Date of Next TSG-RAN WG4 Meetings:

TSG-RAN WG4 Meeting #35 9th–13th May 2005

Athens, Greece.

TSG-RAN WG4 Meeting #36 28th Aug.–2nd Sept. 2005

London, UK.