

Agenda Item: Adhoc 16
Source: Nokia
Title: Requirements for simultaneous measurements
Document for: Discussion

1. Introduction

In our current measurement specifications 25.215 and 25.225, all measurement abilities are described in one section without further description of dependancies and timing or complexity requirements.

This leaves open whether measurements can be combined and done in parallel, and if yes, whether there are any limitations. The combinations need not necessarily to be different measurements but could also be of the same kind, e.g. multiple RSSI measurements on different carriers. "Parallel" is meant in a wider sense including sequential, concatenated measurements e.g. combined in the same compressed mode gap.

As it is clear that especially the measurements requiring compressed mode cannot be combined in an arbitrary way, it would be helpful from the implementation point of view to clarify this issue.

This document is intended as a starting point for the discussion and thus does not yet include a text proposal.

2. Proposed action

In order to improve and clarify the WG1 measurement specifications, we propose:

- To find out WG2 and WG4 requirements for parallel measurements
- To find out layer 1 limitations
- To document this in 25.215 and 25.225 in some form, for example sets with allowed and/or forbidden combinations of measurements

At some points, it might be that a compromise has to be made between maximizing the measurement capabilities and minimizing the UE complexity.