



PTCRB Validation Group (PVG)
PVG#78
Shanghai, China, 30-31, August 2017

Liaison Statement

For submission to: 3GPP TSG-RAN WG5
Cc: PTCRB, PVG

Source: PTCRB / PVG

Document: TR 37.901

Subject: Response to the LS from 3GPP TSG-RAN WG5 concerning the requested expansion of the technical scope for TR 37.901.

Summary of Content: The PTCRB / PVG would like to thank 3GPP TSG-RAN WG5 for their response and recommendations documented in the R5-174627 Liaison Statement returned to the PTCRB / PVG.

PTCRB / PVG is pleased to respond to the request for some additional information to define the scope for the work for a possible future Study Item Proposal that would be properly approved by 3GPP RAN Plenary.

During the PVG #78 meeting, the following discussions and agreements regarding the TR 37.901 expansion of the technical scope were noted:

- The PTCRB / PVG confirms that the priority for the scope of the TR 37.901 expansion should include 2DL carrier aggregation combinations using licensed spectrum, as well as one licensed and one unlicensed carrier (Release 13 LAA). This would build the framework for other multi-carrier configurations within this 3GPP Work Item. Moreover, this expansion bounds the required development work to a reasonable effort.
- The PTCRB / PVG also agrees that the addition of the carrier aggregation framework to TR 37.901 should allow for future expansion to higher order CA combinations and other features. To facilitate any future expansion beyond this initial request, the PTCRB / PVG provides 3GPP RAN WG5 the following feature list, in priority order, including 4Rx (4x4 MIMO), 256 QAM, and TDD for future expansions of TR 37.901.
- The PTCRB / PVG concurs that the prioritization list for future expansions of TR 37.901 will address the request to consider UE Cat-5 and higher devices, as these future UE functionalities will enable higher category UEs to be defined in TR 37.901 in the future.
- The PTCRB / PVG acknowledges the intentions of RAN WG5 to update the FDD and TDD test cases for any future scope extension to allow for any other outside certification bodies, operators, and manufacturers to make use of the new test cases for both FDD and TDD based on need.

1. Action Requested

PVG requests 3GPP RAN WG5 to review the supplied discussions and agreements for expansion of the technical scope in 3GPP TR 37.901 UE application layer data throughput performance testing, and advise if

further details or specific information is required for the development of the new Study Item to be presented to the RAN Plenary for consideration.

PTCRB / PVG appreciates the insight of 3GPP RAN WG5 and looks forward to the Study Item being submitted to the 3GPP RAN Plenary for approval.

Dates of Next Meeting

PTCRB #89	18-21 September 2017, Dallas, TX. USA
PVG #79	15-16 November 2017, Washington, DC. USA
3GPP RAN5 #77	27 November – 01 December 2017, Reno, NV. USA.