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Subject: 5G/NR UE Conformance Test applicability for 5G S-Modules

GTI would like to thank 3GPP RAN5 group for making good progress in the 5G NR conformance test specifications, in particular updating the test development plan in the October #3-5G-NR Adhoc meeting in Jaipur, India to add an extra delivery phase for both SA and NSA in Feb-2019. This will help the industry to accelerate test development required by some GTI operators launching 5G services in the SA network configuration in 2019-2020.

GTI has kicked off the "5G Superior Universal Module (5G S-Module)" initiative in GTI Summit in June-2018. It aims to unify the size, interface, form factor applicability and other aspects in the design of 5G modules. This initiative will help to facilitate the maturity of 5G modules through standardization, products, applications, etc. and promote 5G's deep integration with many diversified vertical markets.

To-date, there are 29 companies participating in this initiative. One of current output is "GTI 5G S-Module Whitepaper" [1] to specify the attributes and characteristics of 5G S-Modules. There are 3 types of 5G S-Modules described in this whitepaper: **Basic type** (only with communication capability), **Smart type** (with high performance Application Processor) and **All-in-one type** (with antennas embedded).

The latest issue is attached with this document. Chapter 10.1 covers Lab Conformance Tests for these 5G S-Modules. Conformance tests are of key importance to guarantee the quality and performance of 5G S-Modules. GTI kindly request RAN5

1. To review this whitepaper, especially Chapter 10.1 and provide comments on the relevance and applicability of conformance tests developed by RAN5 for the 5G S-Modules.
2. To identify if there are features and functions of the 5G S-Modules that are not covered by the current 5G conformance test plan.

It would be highly appreciated if RAN5 could provide a response to this GTI request. We look forward to further progress of the conformance test work item in the coming months.

Date of Next GTI Meetings:

GTI Workshop #24 (MWC-2019)	February 2019	Barcelona, Spain
GTI Workshop #25 (MWC Shanghai-2019)	June 2019	Shanghai, China

Reference

[1] GTI 5G S-Module Whitepaper v1.0