

**Title:** GTI Liaison Statement to 3GPP

**Source:** GTI

**To:** 3GPP RAN Chair

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## **1. About the GTI**

Global TD-LTE Initiative (GTI) is an open platform to advocate cooperation among global operators to promote the development of TD-LTE and converged LTE TDD/FDD. It was kicked off in February 2011 by Bhati Airtel, China Mobile, Sprint (Clearwire), SoftBank Mobile, and Vodafone. By the end of May 2015, the GTI has 120 global operator members and 101 partners. The GTI has set up 5 Working Groups, including Spectrum, Network, Terminal, 3.5GHz and Business & Service to solve essential technical and business issues and facilitate the development of LTE TDD/FDD.

## **2. Intention of the LS and required actions**

Recently the GTI steering committee developed a set of priorities and one of those was to work within the TD-LTE ecosystem to improve UE output power. GTI has initially reviewed this new power class for 3GPP Band 41. These studies have shown that increasing the UE output power from +23 dBm to +26 dBm results in a 30% coverage improvement in Band 41. Significant advances in UE front end components now permit higher UE output power with minimal loss of battery life and little or no impact to coexistence issues.

GTI and its members are very interested in this work and are requesting that 3GPP develop a new UE power class that supports  $+26 \pm 2$  dBm initially for band 41. Other bands could also possibly be considered in the future.