GWS Sets Baseline for Network Testing at SMW

On Monday, Global Wireless Solutions, Inc. ("GWS") performed testing within Sands Expo and Convention Center to measure the network performance of the four wireless national carriers, including AT&T, Sprint, T-Mobile, and Verizon. This test provided a baseline on the relatively unloaded wireless networks before Super Mobility Week started. GWS tested four voice and four data networks simultaneously inside the convention center using Rohde & Schwarz's SwissQual QualiPoc platform. GWS also performed data testing separately using the GWS Mobile Diagnostic App on all four national carriers. All tests were performed using Samsung Galaxy S4 devices.

Testing showed that all voice calls were successful on AT&T and T-Mobile networks. Verizon dropped one call near the escalators outside the main exhibit hall. Sprint failed three calls, with two of these failures outside the Venetian Ballroom. Data tests showed that T-Mobile's and Verizon's LTE networks provided average download throughputs between 15 and 25 Mbps, and average upload throughputs between 10 and 12 Mbps (nearly doubling the best performers' throughputs seen during CTIA 2013). AT&T's LTE network delivered 7 Mbps download and 3.5 Mbps upload. Even though a Sprint "Spark" LTE-capable device was used during this testing, no Sprint devices were served by any LTE network inside the convention center. Sprint's EVDO results rounded out the lower tier with about 1 Mbps throughput on download and upload.

On the Samsung Galaxy devices loaded with the GWS Mobile Diagnostic App, all devices had WiFi capability turned on. AT&T was the only provider to offload capacity to WiFi. The download and upload throughputs were nearly identical to the QualiPoc testing for Sprint, T-Mobile, and Verizon. AT&T's offload WiFi network provided upload throughputs at 7 Mbps, double its LTE results.
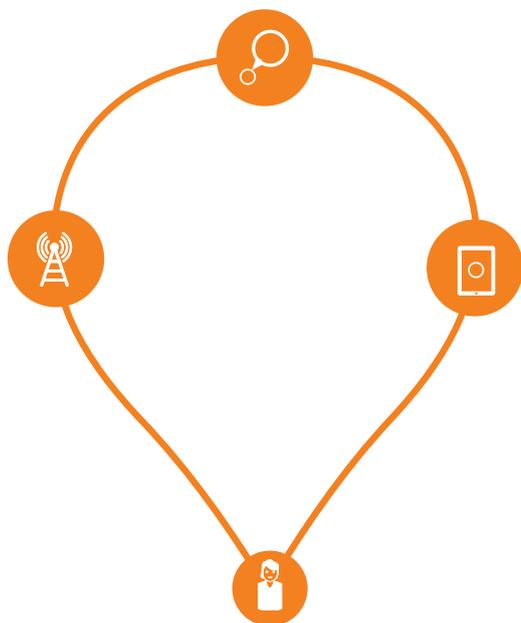
Anritsu Demos New Testing Capabilities for Next-Gen Networks
Anristu will be demonstrating new capabilities added to a pair of its testing modules that focus on cutting-edge network features.

Specifically, the company will show off the MD8475A "network in a box," which now has automated Voice Quality, WiFi Offload, and Battery Life test capabilities on various UEs by utilizing the solution's features, such as the interactive SmartStudio GUI and the SmartStudio (SSM) scripting environment.

To address the integration of Carrier Aggregation (CA) and Enhanced Multimedia Broadcast Multicast Services (eMBMS) into chipsets and wireless devices, Anritsu will also display its ability to test for these features. The company will show off its MD8430A LTE Signaling Tester, which can simulate up to four enhanced Node Bs in a single unit, and up to two CA with 2x2 MIMO.

Anritsu can be found on the show floor at Booth #3041 ●