

## Bureau Veritas ADT authorized as a testing lab for CTIA and Wi-Fi Alliance Test Plan for RF Performance Evaluation of Wi-Fi Mobile Converged Devices

Bureau Veritas ADT is just approved to test to the CTIA and Wi-Fi Alliance Test Plan for RF performance Evaluation of Wi-Fi Mobile Converged Devices, i.e. CWG-RF (Converged Wireless Group RF Profile Test). Our authorized testing capability can be viewed at [CTIA's website](#).

### What is CWG-RF?

CWG-RF is a test plan that was jointly developed by CTIA and Wi-Fi Alliance to provide detailed radio frequency performance profile in a mixed-network (Wi-Fi and Cellular) environment. Manufacturers of converged handsets and Wi-Fi networking infrastructure devices (access points) can participate in this test program to provide carriers with independent evaluations of their equipments, and carriers can use the test reports to compare handsets from different manufacturers.

### What are test items included?

- TRP (Total Radiated Power): measurements to provide information about the reach of a Wi-Fi radio signal sent by a converged phone or AP
- TIS (Total Isotropic Sensitivity): measurements to provide information about how well the Wi-Fi radio can detect an incoming signal in a converged phone or AP

The program also includes:

- Conducted power and sensitivity: measurement of the signals ahead of the Wi-Fi antenna
- Measurement of the reduction in sensitivity (desensitization) of a Wi-Fi receiver caused by the presence of an active cellular transmitter, and to ensure that the performance of the Wi-Fi receiver is within acceptable limits
- Measurements of the desensitization of a cellular receiver caused by the presence of an active Wi-Fi transmitter, and to ensure that the performance of the cellular receiver is within acceptable limits

In addition, to complete the testing a device must also be Wi-Fi CERTIFIED for core Wi-Fi interoperability and WPA2 security, and CTIA certified for cellular performance.

### Our Wi-Fi facilities

Bureau Veritas ADT, equipped with complete facilities that can conduct full range of Wi-Fi tests, can offer you real one stop service for your wireless products. Please refer to the following table for our service scope.

Type	Standard	Service
Core Wi-Fi Functionality		<ul style="list-style-type: none"> <li>- Wi-Fi 802.11a/b/g</li> <li>- Wi-Fi 802.11H+D</li> <li>- Wi-Fi 802.11a/b/g/n</li> </ul>
Application Specific Device	<ul style="list-style-type: none"> <li>- IEEE 802.11a</li> <li>- IEEE 802.11b</li> <li>- IEEE 802.11g</li> <li>- IEEE 802.11n Draft 2.0</li> </ul>	<ul style="list-style-type: none"> <li>- Test Engine for 802.11a/b/g WPA2 and WMM</li> <li>- Wi-Fi ASD customized Test Plan for 802.11a/b/g and 802.11a/b/g/n</li> </ul>
Security	IEEE 802.11i	<ul style="list-style-type: none"> <li>- WPA</li> <li>- WPA2</li> <li>- Extended-EAP</li> <li>- WPS</li> </ul>
Multimedia Enablers	IEEE 802.11e	<ul style="list-style-type: none"> <li>- WMM</li> <li>- Wi-Fi WMM-PS</li> </ul>
Performance	Wi-Fi CWG Test Plan	Wi-Fi CWG-RF