

BACL Taiwan – Open for Business!



BACL is proud to announce that our testing lab in New Taipei City, founded in June 2015, is now an accredited Testing Lab by TAF (No. 3180) for BSMI and NCC. BACL Taiwan is also a 2.948 Listed Test Firm for the FCC (No. TW1101).

BACL Taiwan's Test lab features 2 Semi-Anechoic chambers as well as multiple shielding and RS rooms which enable performing Radiated and Conducted Emissions, Harmonic Current Emissions, Voltage Fluctuations and Flicker, SAR and DFS testing.

BACL Taiwan is fully capable of testing many different kinds of ITE and Radio Equipment technologies including Mobile 2G/2.5G/3G /3.5G/4G, Zigbee, Broadband Power Line Network Systems, Wi-Fi (IEEE802.11a/b/n/ac Wireless LAN,) Bluetooth Products, RFID Systems, and Short-range Wireless Devices.



New Stacked Log-Periodic Antenna for RF Immunity Testing

BACL recently acquired an Amplifier Research Model ATS700M11G Stacked Log-Periodic Antenna (800-10.5GHz). This new antenna will increase the area covered from 50cm by 50cm to 100cm by 100cm, achieve even higher field strength (20v/m with 80% AM Modulation added), thereby dramatically reducing the testing execution time for RF Immunity testing at 10V/m (with 80% AM Modulation added) from 1-4GHz.



For more information about emissions and immunity testing, please check our website: http://www.baclcorp.com/emission_emc.html or consult Harry H. Hodes, NCE, our Chief Engineer at harry.hodes@baclcorp.com

Regulatory Changes

Extension on Transition date for 2.948 Listed Laboratories

On June 14, 2016, the FCC adopted Memorandum Opinion and Order on Reconsideration in ET Docket 13-44 (FCC16-74) and the Order was published in the Federal Register on June 29, 2016. The transition date for the use of Section 2.948 Listed labs has been extended for one year, until July 13, 2017. Laboratories whose listed expires prior to the new transition date and wish to remain recognize must renew their listing by submitting a request through the normal renewal process. This will allow their recognition to be extended until July 12, 2017. All Laboratories recognized by the Commission as authorized to perform compliance testing in support of an application for equipment certification must be accredited by an FCC-recognized accrediting body by July 13, 2017. All testing for devices subject to FCC certification requirements after July 12, 2017 must be done at testing laboratories that are recognized by the FCC as accredited.

APEC Tel MRA in Malaysia

On June 28, 2016, USTR signed exchange letters with the Government of Malaysia to implement the APEC Tel MRA. The FCC and NIST are working directly with the Malaysian Communications and Multimedia Commission (MCMC) to make the MRA operational. The FCC Order extending the time during which we will recognize “listed” laboratories to July 12, 2017 provides additional time for the accreditation of testing laboratories. It will also provide additional time for countries to pursue telecommunications Mutual Recognition Agreements (MRAs) with the United States to provide for the recognition of accredited laboratories in those countries. In particular, the Commission will continue its ongoing work to finalize agreements with interested countries under the APEC Tel MRA and other MRAs.

Changes to FCC Rule Part 15 for U-NII Devices in the 5GHz Band

The changes to FCC Rule Part 15 for the U-NII Devices in the 5GHz (detailed in the March 2016 edition) are effective as of June 2, 2016. Devices approved under the Old Rules may be marketed until June 1, 2016. All devices marketed, sold, manufactured, or imported in the U.S. must meet the New Rules on and after June 2, 2016. Devices already in use and installed are grandfathered.



Android 6.0+ Marshmallow – Wi-Fi Tethering Mode FCC & ISEDC

Android Operating System Marshmallow has added Support of Wi-Fi Hotspot mode in the 5- GHz Frequency Bands. Prior to allowing the enabling of hotspot mode in the 5GHz bands, manufacturers must ensure the device will continue to be in compliance with the original equipment authorization.

For the FCC, devices which were not certified for hotspot mode in the 5GHz bands, the installation of the new Android OS hotspot feature may require a permissive change and additional testing for compliance with hotspot mode.

For ISEDC, if a device was certified with the hotspot feature disabled and the hotspot mode was not tested for compliance and the installation of the new Android OS suddenly enables the hotspot feature, the manufacturers of these devices will be required to test the hotspot mode for compliance and submit a C3PC application to ISEDC.

Updates to BACL’s Scopes:

We have expanded our testing scope to include the following:

- IEEE 1613a-2011 - IEEE Standard Environmental and Testing Requirements for Communications Networking Devices Installed in Electric Power Substations Amendment 1: Adding of one definition, DC power supply requirements (5.1), and Annex E- History
- IEC 61850-3:2013 Communication networks and systems for power utility automation - Part 3: General requirements
- IEC 61000-6-5:2015 Electromagnetic compatibility (EMC) - Part 6-5: Generic standards - Immunity for equipment used in power station and substation environment.

These testing standards provide us the testing capability for network equipment used in the power substation environment.

In addition, we expanded our Certification scope to include the following ENERGY STAR specification:

Small Network Equipment Specification Version 1.0 for Network Equipment that is intended to serve users in either small networks or a subset of a large network.

Data Center Storage Specification Version 1.0 for fully-functional storage systems that supplies data storage services to clients and devices attached directly or through a network.

For questions about our service availabilities, quotes, or checking status on ongoing projects please contact us via sales@baclcorp.com
For Technical support to your intended or ongoing projects please contact us via tech@baclcorp.com
For any other questions or concerns, please contact us at qa@baclcorp.com