

# Notified Body Statement of Opinion

The TCF listed below has been evaluated to the requirements of the  
European R&TTE Directive 1999/5/EC

Applicant name:	Ignition Design Lab (US) LLC
EUT:	Advanced Wireless Router
Model:	Portal
Frequency of operation:	2412 MHz to 2472 MHz (802.11b/g/n, 20/40MHz BWs) 5180 MHz to 5320 MHz (802.11a/n/ac, 20/40/80MHz BWs) 5500 MHz to 5700 MHz (802.11a/n/ac, 20/40/80MHz BWs) 2402 MHz to 2480 MHz (Bluetooth)
Modulation:	DSSS, OFDM, GFSK, Pi/4 DQPSK and 8DPSK
Transmit Power:	19.9 dBm, e.i.r.p. (2.4G - 802.11b/g/n) 29.99 dBm e.i.r.p. (5G - 802.11a/n/ac) 9.9 dBm e.i.r.p. (Bluetooth)
Technology:	IEEE 802.11a/b/g/n/ac (MIMO) Bluetooth EDR/BLE v4.1
TCF Number:	NB_652049-02
ACB Project Number:	ATCB019910

ACB is designated as a Notified Body under the  
U.S.-EU Mutual Recognition Agreement

**ACB, Inc.**  
**Notified Body Number 1588**  
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McLean, VA 22101, USA

In the opinion of ACB the examination of the technical construction file presented demonstrates the requirements of Directive 1999/5/EC have been met. The product listed above is in conformity with Annex IV and the essential requirements of Articles 3.1a, 3.1b and 3.2 of Directive 1999/5/EC.

This statement of opinion relates only to the documents provided to ACB.

A list of documentation forming the basis for the examination is provided in Annex 1 of this document.



Notified Body: Kerwin Chen

09 September 2016

Date



# CE1588

**Annex 1 of NB Statement of Opinion**  
**Number: NB\_652049-02 ATCB019910**

- |                           |                |                   |
|---------------------------|----------------|-------------------|
| 1. Test Report:           | Report number: | Dated:            |
| EMC                       | EC652049-02    | 05 September 2016 |
| EMC                       | EH652049-02    | 05 September 2016 |
| Radio                     | ER652049-02A   | 31 August 2016    |
| Radio                     | ER652049-02B   | 31 August 2016    |
| Radio                     | EY652049-02    | 31 August 2016    |
| RF Safety                 | EA652049-02    | 25 August 2016    |
| Product Electrical Safety | L673008L359    | 29 August 2016    |
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- |   |                                   |                               |
|---|-----------------------------------|-------------------------------|
| 2. Technical Documentation Provided includes: |                                   |                               |
| Block Diagram                                 | Schematic/Circuit Diagram         | External Photographs          |
| Internal Photographs                          | Label Drawing                     | Parts List / Bill of Material |
| PCB layout                                    | Technical/Operational Description | Test Reports                  |
| Test Photographs                              | User Manual                       | Declaration of Conformity     |
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- |  |  |                      |
|--|--|----------------------|
| 3. Standards used to show conformity to 99/5/EC: |  |                      |
| EMC :  | EN 301 489-1 V1.9.2  | EN 301 489-17 V2.2.1 |
|  | EN 55032: 2012 + AC: 2013                                      | EN 55024: 2010       |
| Radio Spectrum :                                 | EN 300 328 V1.9.1  | EN 301 893 V1.8.1    |
| RF Safety :                                      | EN 50385: 2002   | EN 62311: 2008       |
| Electrical Safety :                              | EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013 |                      |
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4. Other Relevant Essential Requirements:
- |                                       |     |
|---------------------------------------|-----|
| Art 6.3 Information to user provided: | Yes |
| Art 6.4 Alert Symbol required:        | Yes |
| Art 12 CE Marking appropriate:        | Yes |
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5. Further information:
- This is a Class 2 device.
- The appropriate conformity information; CE Mark, Notified Body number (1588) and Alert Symbol must be clearly displayed on the equipment label, the user manual and the packaging.
- A statement of compliance with Directive 1999/5/EC or a copy of the Declaration of Conformity must be provided with each device.
- This Notified Body Statement of Opinion is only valid for those devices where the selection of the region of operation has been preset to the EU region and where the region selection cannot be accessed/changed by the user of the device. It is prohibited to affix the Notified Body number 1588 to devices which do not comply with the requirements as stipulated above.
- This device with 5G bands also supports TPC and Beamforming features.
- MIMO feature: 2.4G – 3T3R and 5G – 4T4R
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6. Contact information:
- |  |  |                         |
|--|--|-------------------------|
| For contact with ACB or questions regarding this Statement of Opinion: |  |                         |
| Web: <a href="http://www.acbcert.com">www.acbcert.com</a>              | e-mail: <a href="mailto:customerservice@acbcert.com">customerservice@acbcert.com</a> | Tel.: (+1) 703 847 4700 |



**CE1588**