

TCB

GRANT OF EQUIPMENT
AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

ACB, Inc.
6731 Whittier Avenue Suite C110
McLean, VA 22101

Date of Grant: 08/10/2012
Application Dated: 08/10/2012

LS Research, LLC
W66 N220 Commerce Court
Cedarburg, WI 53012

Attention: William Steinike , President

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: TFB-TIWI501
Name of Grantee: LS Research, LLC
Equipment Class: Unlicensed National Information Infrastructure TX
Notes: TiWi5 Transceiver Module
Modular Type: Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
CC	15E	5180.0 - 5240.0	0.0234		
CC ND	15E	5260.0 - 5320.0	0.051		
CC ND	15E	5470.0 - 5725.0	0.04		

Power Output listed is Conducted. Modular Approval. This device is granted for use in Mobile only configurations in which the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and not be co-located with any other transmitters except in accordance with FCC multi-transmitter product procedures. This transmitter is restricted to indoor use only within the 5.15-5.25GHz bands. This client only module can only be used with a host antenna circuit trace layout design in strict compliance with the OEM instructions provided. Only those antenna(s) tested with the device or similar antenna(s) with equal or lesser gain may be used with this transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

CC: This device is certified pursuant to two different Part 15 rules sections.

ND: This UNII device complies with the Transmit Power Control (TPC) and Dynamic Frequency Selection (DFS) requirements in Section 15.407(h).