

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

**Elliott Laboratories, Inc.
684 West Maude Avenue
Sunnyvale, CA 94085-3518**

**Date of Grant: 08/14/2008
Application Dated: 08/14/2008**

**Broadcom Corporation
190 Mathilda Place
Sunnyvale, CA 94086**

Attention: Daniel Lawless , Manager, Compliance Engineering

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: QDS-BRCM1031
Name of Grantee: Broadcom Corporation
Equipment Class: Unlicensed National Information Infrastructure TX
Notes: 802.11ag/Draft 802.11n WLAN PCI-E Minicard
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	0.03		
CC MO	15E	5180.0 - 5240.0	0.02		
CC MO	15E	5190.0 - 5230.0	0.034		
CC	15E	5260.0 - 5320.0	0.063		
CC MO	15E	5260.0 - 5320.0	0.074		
CC MO	15E	5270.0 - 5310.0	0.074		
CC	15E	5500.0 - 5700.0	0.066		
CC MO	15E	5500.0 - 5700.0	0.091		
CC MO	15E	5510.0 - 5670.0	0.107		

Limited Single Modular Approval. Power listed is the maximum combined peak conducted output power. Device is a PCI-E Mini Card operating in 2x2 Spatial Multiplexing/Cyclic Delay Diversity MIMO configurations and single-stream legacy modes as described in this filing. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter except as described in this filing. OEM integrators must be provided with antenna installation instructions. OEM integrators and End-Users must be provided with transmitter operation conditions for satisfying RF exposure compliance. This transmitter is restricted to indoor use in the 5150MHz to 5250MHz frequency range. Device complies with DFS requirements as client only without radar detection. The highest reported body SAR values for this FCC ID are: 2.4 GHz: 0.158 W/kg, 5.2 GHz: 0.603 W/kg, 5.5 Ghz: 0.681 W/kg, 5.8 Ghz: 0.722 W/kg. Permissive change to add antenna type.

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

MO: This Multiple Input Multiple Output (MIMO) device was evaluated for multiple transmitted signals as indicated in the filing.

