

OEM Installation Guidance Document
For Broadcom 802.11ax WLAN PCI-E Custom Combination Card
BCM94389FCPAGBE
FCC ID: QDS-BRCM1095

The Broadcom module is only offered for sale to a specific OEM manufacturer that incorporates this module design into a host system. The radio module is not for sale to end users and consumers.

Conditions on using BRCM regulatory approvals:

- A. OEM manufacturer must ensure that no changes are made to the Broadcom module and acknowledges that any modifications may invalidate regulatory approvals, or may necessitate notifications to the relevant regulatory authorities.
- B. OEM manufacturer is responsible for ensuring that antennas used with the product are of the same type, with same or lower gains as approved and providing antenna reports to Broadcom.
- C. OEM manufacturer is responsible for regression testing to accommodate changes to Broadcom's designs, new antennas, and portable RF exposure safety testing/approvals.
- D. The Broadcom module is only FCC authorized (certified) for the transmitter-specific rule parts, FCC 15.407. OEM manufacturer is responsible for compliance to all other FCC rules that apply to the host.
- E. Host devices sold in the US and its territories must not be labeled with "Contains FCC ID: QDS-BRCM1095", unless the US country code has been programmed in the module.
- F. OEM manufacturer should perform additional verification/validation on supported modes and is responsible for validation testing of module + host.
- G. Appropriate labels must be affixed to the OEM Product that comply with applicable regulations in all respects.
- H. A user's manual or instruction manual must be included with the OEM product that contains the text as required by applicable law. Without limitation of the foregoing, an example (for illustration purposes only) of possible text to include is set forth below:

1. USA—Federal Communications Commission (FCC)

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

System integrators must include the FCC ID on the end product.

FCC Radio-Frequency Exposure & Approval Conditions:

1. The antenna(s) used for this transmitter must not be collocated or operating in conjunction with any other antenna or transmitter within a host device, except in accordance with FCC multi-transmitter product procedures. This requires that the antennas for the host system be installed so that they are a minimum of 20cm from persons. For systems where this 20cm cannot be ensured please consult with Broadcom to determine certification requirements.
2. The module grantee is responsible for providing the documentation to the system integrator on restrictions of use, for continuing compliance of the module including the maximum antenna gain (3.4dBi), minimum antenna gain (0dBi) and **antenna type equivalent to Airgain model N60AGUA.**
3. End user shall not have access to remove/replace antennas. Antenna connector is a unique I-PEX connector.
4. The host product manufacturer is responsible to meet FCC part 15 requirement on antenna usage.
5. The regulatory label on the final system must include the statement: "Contains FCC ID: QDS-BRCM1095" or using electronic labeling method as documented in KDB 784748.
6. The final system integrator must ensure there is no instruction provided in the user manual or customer documentation indicating how to install or remove the transmitter module except such device has implemented two-ways authentication between module and the host system.
7. The final host manual shall include the following regulatory statement:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device

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8. In the 5.925-7.125 GHz band, client devices, except fixed client devices, must operate under the control of a standard power access point, indoor access point or subordinate devices; Subordinate devices must operate under the control of an indoor access point. In all cases, an exception exists for transmitting brief messages to an access point when attempting to join its network after detecting a signal that confirms that an access point is operating on a particular channel. Access points and subordinate devices may connect to other access points or subordinate devices. Client devices are prohibited from connecting directly to another client device.

9. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

10. The certified WLAN module will be installed in mobile application.

11. This Broadcom module is for integration into a host system which is intended for indoor use only, no outdoor applications are allowed.