

Response to TCB Findings

Please supply a label placement photo and specify the label material.

Supplied. Per Colubris - they are produced using a UL Recognized permanent label system. They consist of a polyester laminate label with a permanent pressure sensitive adhesive.

Please clarify how the PCDAC levels tested will be ensured on the final device for the end-users. Also how are the different frequency selections are handled for different countries? Does the end user select these?

Per Colubris - These devices utilize Atheros Chip sets for their radios. All production units are run through Atheros' Radio Test Suite (ARTS). This sets the output power settings by monitoring the output power and setting the PCDAC accordingly. Once this has been done, the radio cannot exceed these settings though any interface available to a user or installer. The radio tested had not had these settings locked in this way so we would have greater versatility configuring it for test. All units shipped for installation in the United States have their operational frequencies restricted only to the allowable US channels.

Please clarify if the device can transmit simultaneously on both antennas. Does it transmit on one antenna at a time?

Per Colubris - The device transmits only on one antenna at a time.

How is compliance with 15.407(c) ensured by the device? Please clarify.

Per Colubris - "The Devices are either an IP bridge or router and only transmit if they have IP traffic to transmit, with the exception of some control frames. Also, at the physical level, the radio is half duplex with acknowledgement, which means that one end of the radio link must give the chance to the other end, at the minimum, to reply with acknowledgement frames. Finally, the 802.11 protocol requires that frames have a maximum length and that some silence period follows the transmission of a frame. "

At 5.15 and 5.35GHz points, has compliance with 15.209 field strength limits been demonstrated by the device? Please clarify.

Radiated spurious emissions data including the restricted band edges appears on p41 of the report. There were no emissions detected at the 5.35GHz band edge. This is to be expected since this device does not operate in the 5.25-5.35 band so there are no channels in close proximity to this edge.

Please clarify how the addition of ferrite on the DC power cable will be ensured on the final devices supplied to end-users.

The required ferrite will be molded to the DC power cable of the provided power supply. It will not be removable.

The installation guide on Pg 1 shows multiple antennas. Only the tested antenna can be included in there. Please clarify.

The 3 antennas are a-band, b/g-band and a/b/g band. The antennas are all of the same type. The antenna tested was the a/b/g-band model which has equal or higher gain than the others and is considered the worst case.

Professional installation is mentioned in the installation guide. Is this required for compliance purposes or because of the complexity of the device? Please clarify.

Per Colubris - **This is specified due to complexity of equipment configuration.**