

Here are correspondences (Q&A) concerning the antennas and antenna connectors used with this device - FCC ID:JVPAWL500. The applicants has justified that the antenna shown on the external photographs is for transmitting WLAN data only. This transmitting antenna is permanently attached to the device. The antenna, integral to the PCMCIA card, is for receiving WLAN data only.

TCB Questions:

1. User's manual: Page 4 antenna description suggests that the antenna receives and transmits signal carrying network data. This is conflicting with the information provided in your reply dated July 26/02 where the antenna is only receiving WLAN data. Technical information must be consistent throughout documentation. Please, re- submit corrected User's manual.
2. Compliance at the band-edges should be demonstrated using the lowest and the highest channels available for this device. The transmitter must be set to Channel 2412.0MHz (NOT 2461.2MHz) to show compliance at 2390 MHz (restricted band) and 2400MHz. Note that the limit below 2390MHz is 54 dBuV/m in accordance with Part 15.209 (average detector). Emissions between 2390 and 2400MHz must be attenuated at least 20 dB from the carrier level as measured with a 100kHz Resolution Bandwidth (=Video Bandwidth). Please, refer to FCC 97-114 document. Please, submit revised test report.
3. FYI. New 731 uploaded on 07/26: If compliance at 2400 and 2390MHz is demonstrated, then the device can be authorized for the frequency range 2412 to 2461.2 MHz (NOT 2463.4MHz).

Test Lab Response:

According to your questions 1, 2 and 3, please refer to the revised report which is used to replace original one.

The followings are the answers to your each question from 4 to 6.

4. As we checked the applicant and declared that the device does not provide any other available connector for antenna.

5. Yes, the EUT with two antenna, one for receiving another for transmitting (J1), as soon as the external antenna leader connected to J1, the transmitting antenna on PCMCIA card will be disable automatically, for this reason, we only tested one transmitting antenna mode. We confirmed the applicant, the external antenna will be sold together with the EUT under this certification. Any user cannot change the external antenna by self because the antenna is fixed on the enclosure and no antenna connector available.

6. The antenna used by this model shall be non-detachable, so the conducted output power doesn't need be tested.

Bruno Clavier
Timco Engineering, Inc.