American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101

October 23, 2003

RE: FCC ID: JVP56W10
Attention:

I have a few comments on this Application.

1. Please provide the 731 for this composite application.
2. Please note that in the US WLAN devices can only operate on channels 1 through 11 (2412 to 2462MHz). Please note that as submitted, the device is not certifiable as it uses frequencies that are not allowed (i.e. channels 12 and 13). Please retest the device for US channels only. Please also show how the device is prevented from operating above 2462MHz for the US and please make any corrections in the manual to clearly show the proper use of US frequencies. Once the correct frequency range has been tested, the review of the report can be finished.
3. Please note that when measuring power the res BW must be greater than the 6dB bandwidth. If this is not the case then a bandwidth correction factor must be used (20log(6dBBW/res BW used). IN this case the bandwidth correction factor for the analyzer setting used would be approximately (10log(8.MHz/1MHz or 9dB) This factor is then added to the result to provide an accurate power measurement correction. Please retest your power measurements using the correct bandwidth correction factor. Alternately please measure the conducted power using a diode detector or power meter setup.
4. Please verify that the device does not transmit WLAN and GPRS transmissions simultaneously(i.e. it transmits either part 24 GPRS or WLAN frequencies, not both at the same time)

Part 24

5. Please note that your limits and methods for radiated emissions is incorrect. First, Part 24 devices are measured in EIRP not ERP. Second, the limit is calculated at 43+10logP Where P is the power of the fundamental during measurements not 1W as you have used in the data. This basically means that for a part 24 device spurious emissions limit is -13dBm. Please note that your calculations are based on a 1 watt power assumed. This is not correct. Please correct your report to show the proper limit calculations for radiated spurious emissions. Please also note that this is an antenna substitution measurement not a direct field strength measurement. Please use the accepted FCC antenna substitution test procedure for EIRP measurements (TIA603).
6. Please note that your reference on page 8 of the part 24 report showing ANSI C63.4 as a test method is incorrect. As mentioned in item 4, this is an antenna substitution measurement for EIRP.

Dennis Ward
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The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the sender.