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

August 28, 2003

RE: Dekolink Wireless Ltd.

FCC ID: OIWDR80050W90B

After a review of the submitted information, I have a few comments on the above referenced Application.

1) The internal photographs appear appropriate, but are too low of a resolution to adequately see the detail. It appears that the conversion settings for PDF may need to adjust the resolution settings. Please increase the resolution of the exhibit provided.
2) When multiple inputs were applied during testing, please explain if the maximum/minimum input values used (uplink = -33 to -60 dBm, downlink = -23 to -50 dBm) were based on a per channel input power or composite input power. If the input values used are based on a per channel value, all spurious/emission mask tests have been provided. If the input value is based on composite power of all channels, additional emission mask bandedge plots using lowest/highest channels should also be provided for a single carrier. This is due to the fact that the single channel will now contain higher power at a specific frequency than in a multi-channel configuration.

Note that our previous correspondence regarding testing methods was before we realized the device actually contained AGC circuitry. Please note that multi-carrier and AGC types of amplifiers sometimes require some additional information.

3) Please provide a curve or equivalent data that shows the measured output power vs. input level from the lowest expected input to the maximum rated input power allowed (approx -51 dBm to +10 dBm, etc.). This may be provided by the manufacturer if this is something they already have performed. This information is used to check the characteristics of the AGC circuitry and ensure that use of the minimum/maximum levels is considered sufficient for all levels expected.
4) To ensure that the AGC works properly, please provide an additional output power measurement using multi-carriers (2 measurements, both carriers with minimum levels, the other with maximum levels should be sufficient). Currently we know the output value for a single channel configuration. Assuming the maximum output power is composite power, we want to ensure that the multi-carrier value is equal to or less than the single channel value and that the AGC works appropriately. This also helps to verify that the power is composite power and not strictly a per-channel power requirement.
5) FYI…Due to the results of radiated being < 20 dB below the limit, we will accept the current radiated data. However, to help make future applications simplier, this test is only necessary to only performed using a single carrier method.

Timothy R. Johnson
Examining Engineer

mailto: tjohnson@AmericanTCB.com

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.