



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

November 25, 2004

RE: Airspan Networks (Isreal) Ltd.

FCC ID: PIDAIRSPAN-WIPLL2

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

- 1) Please provide external photographs of this device and the antenna(s) being approved.
- 2) Please provide a separate test configuration photograph exhibit.
- 3) The test report suggests only 2 antennas are used with the device, but the external antennas listed in the external antenna information appears to list 11 antennas. Please explain as the FCC expects the highest antenna of each type to be tested..
- 4) Power measurement provided requires a 100 feet of cable. Note that grant will be issued with a limitation of code:  
36 - Certain antennas used with this equipment require a minimum cable length, or have output power limitations as documented in the application.
- 5) It is uncertain if the 100' of cable is present for all antennas. Please explain.
- 6) How can 100' of cable minimum be assured for all installations. Is this cable supplied with the unit and the connectors only such that the antenna can only fasten to the cable end and can not directly be fastened to the unit? Should this unit be professionally installed? See below as well.
- 7) Please provide information regarding requirements of 15.203, or explain where this information may be found in the application. Be sure to comment on both the connectors at the antenna and the device.
- 8) It is uncertain if standard or non-standard connectors are used and if professional installation will be necessary (15.203) for this unit (see above as well). If professional installation is necessary, a cover letter addressing the following issues is necessary:
  - a) Marketing  
example: The device cannot be sold retail, to the general public or by mail order. It must be sold to dealers or have strict marketing control.
  - b) Requires professional installation;  
examples:
    - installation must be controlled.
    - installed by licensed professionals ( EUT sold to dealer who hire installers)
    - installation requires special training ( special programming, access to keypad, field strength measurements made) What is unique, sophisticated, complex, or specialized about your equipment which REQUIRES it to be installed by a professional installer?
  - c) Application  
example:
    - The intended use is generally not for the general public. It is generally for industry/commercial use.
- 9) Has the power density been measured at the antenna port (i.e. after the 100' cable loss is factored in) or before.
- 10) Please provide an RF exposure exhibit for this configuration.

- 11) The bandedge compliance at 2.4835 GHz restricted bandedge for the high channel does not appear to adequately be provided. Note that plot shows an emission artifact at the edge of this plot. Please provide further information for this requirement (reference page 38 and ?).
- 12) Plots for the Omni from 2000-2400 MHz and 2483.5 – 4000 MHz do not appear to be provide (reference page 55-57).
- 13) FYI...The frequency list provided is not pseudo random hopping. However, according to information provided in the application, this is being approved only for hybrid mode only and therefore it is assumed the device will not be capable of FHSS mode only.



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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.