

January 7, 2005

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

Re: FCC ID: SH5-CAP

Applicant: Miltope Corporation
Correspondence Reference Number: 15911
731 Confirmation Number: TC182122
Date of Original Email: 12/10/2004

Subject: Request for additional information

1) Please justify how this device complies with the indoor use requirements of 15.407(e). Indoor should be interpreted to mean inside a building. Please revise filing accordingly.

It is my understanding the there was a policy change because of the application that does now allow for use of a UNII device on-board an aircraft.

2) Please provide spurious radiated emissions for simultaneous and collocated operation of the two modules internal to the device.

Because the CAP configuration is capable of operating both radio modules in the 2.4 GHz band simultaneously, inter-modulation products were also evaluated. One radio module of the EUT was set to the lowest channel available and the other radio module set to the next adjacent channel. Any intermodulation products observed were maximized and recorded. All modes of 802.11b and 802.11g radios were evaluated for worst case. This was repeated with two radio modules set to the highest possible channel and next adjacent channel available respectively.

No inter-modulation products were detected for any combinations of channel selections or modes.

3) The grant comment requires professional installation yet this does not appear to be included in the user/installation manual. Please address.

A statement was added to Section 3.1 of the manual. The revised Manual has been uploaded.

4) Please detail which antenna in the external photo exhibit are for which mode of operation. Are all provided cables shown?

The "External Photos Exhibit" was updated to clarify the antennas and cables. The revised exhibit has been uploaded.

5) Please describe by who and how the CAP and WAB versions are reconfigured.

The CAP and WAB are configured at the manufacturer's facility on a per job demand. The serial number distinguishes one from the other. The Serial number for the CAP begins with "CAP" and the serial number for the WAB begins with "WAB". Once configured, they will not be re-configured while in service.

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