

Correspondence Summary Q & A

October 26, 2004

SUBJECT: MILTOPE CORPORATION - FCC ID: SH5-CAP

TCB Question 1: UNII: - Part 15.407(d): Operation in the band 5.15-5.25 GHZ is restricted to Indoor use only. Such statement could not be found in the user's manual. Please, explain or provide a revised user's manual.

RESPONSE:

The product is design specifically for airborne applications in which the unit will be mounted inside the aircraft cabin as stated in section 1-4 of the Operator Manual. Section 3-2 also confirms the mounting configuration of the unit was well as antennas. When configured as the Wireless Access Bridge (WAB) in which the antenna is mounted external to the aircraft, only 802.11b/g operation is available and does not include the 5.15 – 5.25 GHz band.

TCB Question 5: Test set up photos: According to ANSI C63.4 these photos must be showing the configuration representative of the worst-case spurious emissions. The photos show the antennas laying on the turntable. Was this configuration producing the worst-case emissions? Antenna positioning in test setup should represent typical final product configuration. Further, if the table is made of wood the antenna in horizontal polarization will couple with the table. In the case, the antenna should be supported in vertical polarization using a foam polystyrene block. Please explain.

RESPONSE:

The test setup is indicative of the typical final product configuration. Further more, investigations were preformed to determine the configuration representative of worst case emissions and the test setup photos reflect this configuration.

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