



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

April 21, 2003

RE: SOMA Networks, Inc.

FCC ID: POZWAU0403110002

I have a few comments on the above referenced Application.

- 1) Regarding the Frequency Stability, you stated that a 16 MHz Oscillator that is generated from the internal previously approved indoor unit is used for stabilization of the fundamental of the outdoor unit. Reviewing the block diagram for the previously approved indoor unit, this oscillator appears to only be used for the external unit now being approved, but not for the indoor unit which was previously approved. Therefore stability of this reference oscillator has not been shown. Additionally, it is uncertain how frequency error that occurs at the 16 MHz reference oscillator translates to frequency error at the fundamental. Please provide test data for 2.1055 (-30 degrees C to +50 degrees C in 10 degree increments with adequate soak times between, also 85% - 115% variation in input voltage to the indoor unit at 20 degrees C). Note: Due to the nature of the system, it would be recommended to subject both the indoor and outdoor unit to the temperature variation. Additionally, this information may be provided by the manufacturer.

A handwritten signature in black ink, appearing to read "Timothy R. Johnson".

Timothy R. Johnson
Examining Engineer

[mailto: tjohnson@AmericanTCB.com](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.