

Rhein Tech Laboratories
360 Herndon Parkway
Suite 1400
Herndon, VA 20170
<http://www.rheintech.com>

Client: M/A Com, Inc.
Model: MASTRIII 403-425 MHz
Standards: FCC 15, 90/RSS-119
Class II PC Report #: 2003167
FCC ID: OWDTR-24-E

Appendix A: Attestation of Changes

Please refer to the following page.



M/A-COM

October 22, 2003

American TCB, Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101

Subject: Class II Permissive Change on MASTR III 403-425 MHz

A hardware modification of the Equipment as originally certified is necessary to meet modulation mask requirements (CFR 47 Part 90.210D mask) when operating in 2-Level XNB Narrowband 9600 baud mode.

The required modification comprises a frequency change of crystal Y1, located on the Analog Filter Board (CB101070V1) within the SitePro Shelf, from 400 kHz to 384 kHz, plus adjustment of the peak FM deviation of the transmitter. The crystal change has the effect of reducing the (programmable) modulation filter bandwidth by 4%, allowing the equipment to meet the mask with the required deviation setting.

The crystal involved sets the clock rate for a switched-capacitor filter, which is used only to filter the baseband (audio or data) signal before it is applied to the modulator. There is no impact on any frequency-determining, data-rate-determining or stabilizing circuitry (including clock or data rates), frequency multiplication stages, basic modulator circuitry or maximum power or field strength ratings of the EUT.

Copies of the corresponding schematic and parts list pages, plus a photo of the affected assembly are attached.

Thank you for your attention to this matter.

Charles L. Langner
Sr. Staff Engineer

M/A-COM
221 Jefferson Ridge Pkwy
Lynchburg, Virginia 24501

Telephone: (434) 455-9560
www.macom.com