

Harmonic Emissions Test Report

Preliminary testing for harmonic emissions on the Microtrack Processor Module (CA6MTP) was conducted at Southwest Microwave and appropriate changes were incorporated to insure compliance with Part 15.209 of the Commissions Rules. An outside testing laboratory was contracted to verify the SMI tests and to perform official testing to the rules. Testing was performed on a preproduction Processor Module. Testing was performed on an FCC approved 3 meter test range.

The certified testing facility was:

M. Flom Associates Inc.
3356 N. San Marcos Pl., #107
Chandler, AZ 85224-1571
Tel. 480 926 3100
Fax. 480 926 3598

The emission tests were performed per 15.209 for the processor. Transmit and receive ports were connected to matched loads through 3 meters of specified lead-in cable (SMI P/N 02A15909-A01). The loads simulated the MTC 400-XXX coupled cables. Traffic was simulated on each I/O line to insure worst case emissions. The band was searched from the lowest clock frequency in harmonic steps to 1 GHz. Both the horizontal and vertical planes were searched from 1 to 4 meters.

A copy of the following is attached:

- 1.0 Contractor Letter
- 2.0 Test Data – Emissions
- 3.0 Pictures of the 3-meter Test Site

The result of the testing is shown on the attached report and no signals were found which exceed the specification.

Approved By:



Date: March 17, 2004

Title: Vice President, Engineering