



Engineering and Testing for EMC and Safety Compliance

May 10, 1999

Mr. Greg Czumak
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Re: FCC ID E2XSWL-1000N
Applicant: Samsung Electro-Mechanics
Correspondence Reference Number: 7667
731 Confirmation Number: EA93671

Dear Greg,

The changes made to the above referenced device did not change the fundamental operating frequency, local oscillator, or other related operating parameters on the device. The entire originally granted operating parameters on the device remain the same. The IF modulator/demodulator was changed from HFA3724 to HFA3726. These two components are identical in their internal circuitry. It is more or less a nomenclature change. The mixer was changed from HFA 3624 to AT32032. The characteristic of the mixer was chosen so that the profile would not be severely affected. The amplifiers used in this device were chosen because of improved inter-modulation parameters. The new low noise amplifier has a better noise figure than on the originally granted device. The isolation characteristics of the transmitter/receiver switch on and off; resistance was the same from the originally granted to the new device. These changes did cause any adverse effect to the overall emission profile of the device. Careful attention was paid during testing to all parameters that would otherwise caused considerable degradation from the original grant.

Please call for any further questions.

Best regards,

Desmond A. Fraser, President
Rhein Tech Laboratories, Inc.