

Thomas N. Cokenias *EMC & Radio Approvals*
Test & Consulting Services for Commercial, Military, International Compliance
P.O. Box 1086
El Granada, CA 94018
email: tom@tncokenias.org

Compliance Certification Services
47173 Benicia Street,
Fremont, CA 94538

5 March 2007

Re: Class 2 permissive change application for RFID reader
Applicant: WJ Communications Inc.
FCC ID: NTTWJMPR7XXX
Date of Original Grant: 12/13/2004
New model numbers: WJR7000, WJR7100

Hello,

WJ Communications has added a new version of the referenced product. The new version supports phase reversal amplitude shift keying (PR_ASK) modulation.

Two schematics have been uploaded as attachments. Schematic number 454351 is for the current MPR7000 series, schematic number 454911 is for the new version.

The old version uses a 3rd order active filter (U206-A) to drive a linear attenuator that functions as the modulator. The new version uses a 8th order active filter (U209, U212) to drive a linear mixer M201 that functions as the modulator. The improved filtering greatly improves the RF spectral output.

Essentially everything else is the same between the two transmitter versions. They use the same VCO, PA Chain, Power control, harmonic filtering, antennas, etc.

Finally, the correct frequency range for the product should be 902.75-927.25 MHz.

If you have questions or need further information please don't hesitate to call.

Sincerely,



T.N. Cokenias
Agent for WJ Communications Inc.