



Simoco Group

Field House, Uttoxeter Old Road Derby DE1 1NH
T+44(0)1332 375500 F+44(0)1332 375501

www.simocogroup.com

Date: 19/11/2014

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Timco Engineering Inc
849 N.W. State Road 45
PO Box 370
Newberry
Florida 32669

**Re: U89SDB680AC01 Certification:
Spectrum Efficiency 47 CFR Part 90.203(j) Compliance.**

To Whom It May Concern:

This is to certify that the requirements of 47 CFR Part 90.203(j)(4) and (5) spectrum efficiency standard of one voice channel per 12.5kHz of channel bandwidth are met by the U89SDB680AC01 base station radio as demonstrated by the tests conducted on the sample radio provided (11k0F3E emission). Additionally in this sample, the 4FSK data rate is in accordance with ETSI TS 102 361-1, that is 9600 bits per second in a 12.5kHz channel bandwidth using TDMA, therefore the U89SDB680AC01 transmitted data satisfies the requirement of 4800 bits per second per 6.25kHz of channel bandwidth (7K60FXE and 7K60FXD emissions).

Yours sincerely,

Simoco EMEA Ltd

Richard Stimson

Development Manager



Registered Office: Simoco EMEA Ltd, Field House,
Uttoxeter Old Road, Derby DE1 1NH England
Reg No. 04382515 VAT No. GB974973750
Part of the Team Telecom Group of Companies