



Reference PORTABLE CELLULAR TELEPHONE
Model: MINI 200
FCC ID: AMWUH045

DECLARATION OF ESN COMPLIANCE

This statement declares that the cellular telephone, identified as FCC ID: AMWUH045 and which has been submitted for Type Acceptance under FCC Rules and Regulations Part 22, complies with mandated requirements as stated in Part 22.919.

Achievement of this requirement is described below:

The ESN is stored in an EEPROM that is permanently attached to the PWB by soldering. It is not "user removable".

Since other data is stored in the EEPROM, the ESN is encoded using the following method:

1. ESN is XOR'd with a 32 bit non zero constant.
2. A specific nibble of the ESN is used to index into a pseudo random number sequence.
3. 6 of the 8 nibbles in the ESN are pseudo randomly swapped.

The method that is being used was selected from a cryptography reference book.

The ESN can only be written to the phone by the factory using a proprietary software tool. Before the ESN can be written using this tool, it must be encrypted.

This tool is not for use by anyone outside of Uniden. There is no other way to write or modify the ESN.

For your reference, this device uses similar ESN hardware, firmware, and software as our previously Granted device identified as "AMWUH041". The original date of that Grant was Dec. 12, 1996.

A handwritten signature in black ink, reading "James R. Haynes", written over a horizontal line.

James R. Haynes
Vice President, Engineering and Regulatory Affairs
Uniden America Corporation

Signed - June 2, 1998