Federal Communications Commission

Equipment Approval Service

7435 Oakland Mills Road

Columbia, MD 21046

September. 4. 2001

Letter of Authorization

To whom it may concern :

We, the undersigned, hereby authorize PCTEST Engineering Laboratory INC., to act on our behalf in all matters relating to applications for equipment authorization, including the signing of all documents relating to these matters. Any and all acts carried out by PCTEST Engineering Laboratory, Inc. on our behalf shall have the same effect as acts of our own.

We also hereby certify that no party to this application is subject to a denial of benefits, including FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C 862.

Sincerely,

Steve Park

R&D Center / Assistant Manager

(+82) 31-420-5448

Standard Telecom Co.,Ltd.

Federal Communications Commission
Equipment Approval Service
7435 Oakland Mills Road
Columbia, MD 21046

September. 4. 2001

RF Exposure Warning Statement for Users Manual

SUBJECT : STANDARD TELECOM Co.,Ltd
FCC ID : MBUNCP7100
Users Manual RF Exposure Warning Statement

Standard Telecom Co., Ltd. hereby confirms that the attached RF exposure warning page will be readily visible to the user, and will be placed at a prominent location in the front section of the users manual

Read this information before using your phone

In August 1996 the Federal Communication Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S and international standard bodies. The design of this phone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna, unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the BeltClip providing a minimal spacing of 2.0Cm from the body to the back of the phone / antenna. To maintain compliance with FCC RF exposure compliance requirement, use only belt-clips, holsters or similar accessories that maintain a 2.0Cm separation distance between the user's body and the back of the phone, including the antenna. The use of third-party belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure compliance

requirements, and should be avoided.

Note : This page is the 1st page after table of contents on the users manual.

If you have any further questions regarding this matter, please do not hesitate to contact me or PCTEST Lab at (410) 290-6652.

Sincerely,

Steve Park
R&D Center / Assistant Manager
(+82) 31-420-5448
Standard Telecom Co.,Ltd.

Federal Communications Commission

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7435 Oakland Mills Road

Columbia, MD 21046

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E911 Compliance Statement

SUBJECT : STANDARD TELECOM Co.,Ltd.

FCC ID : MBUNCP7100

FCC E911 Requirements Per §22.921

Standard Telecom Co., Ltd. hereby certifies that the PCS mode only mobile telephone (FCC ID : MBUNCP7100), using the Automatic A/B, Roaming – Intelligent Retry method, meets the E911 requirements specified in Section 22.921 of the FCC Rules.

This procedure recognizes when a "9-1-1" call is made and, at such time, will override any programming in the mobile unit that determines the handling of a non-911 call and permit the call to be handled by other analog carrier.

Should you have any questions or comments concerning the above, please contact the undersigned.

Sincerely,

Steve Park

R&D Center / Assistant Manager

(+82) 31-420-5448

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Columbia, MD 21046

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Confidentiality Request

SUBJECT : STANDARD TELECOM Co.,Ltd.

FCC ID : MBUNCP7100

FCC Part 24 Certification

Request for Confidentiality

In accordance with 0.457 of CRF 47, Standard Telecom Co.,Ltd. Hereby requests confidentiality of the Block Diagram, Antenna Specifications, Parts List, Tune-up procedure, Schematics, Operating Manual, Circuit Description for the subject application

These documents contain detailed system and equipment description and related information about the product which Standard Telecom Co.,Ltd. Considers to be proprietary, confidential, and a custom design and, otherwise, would not release to the general public. Since this design is a basis from which future technological products will evolve, Standard Telecom Co.,Ltd. Considers that this information would be of benefit to its competitors, and that the disclosure of the information in these documents would give competitors an unfair advantage in the market.

Sincerely,

Steve Park

R&D Center / Assistant Manager

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Affidavit for ESN Protection

We hereby certify that the Handheld Portable PCS mode only and Mobile Telephone(FCC ID : MBUNCP7100) is so designed that it complies with all the requirements for ESN protection specified in Section 22.919 of the FCC Rules.

a) The transmitter in service has a unique ESN.

b) The ESN host component is permanently attached to a main circuit board of the mobile transmitter and the integrity of the unit operating software cannot be altered. The ESN is plated from fraudulent contact and tampering. The ESN is encoded using multiplication by a polynomial and the ESN data programmed in the memory with other information.

c) The ESN is factory-set and cannot be altered, transferred, removed or otherwise able to be manipulated. Cellular mobile equipment is specifically designed such that any attempt to remove, tamper with, or change the ESN chip, its logic system, or firmware originally programmed by the manufacturer will render the mobile transmitter inoperative.

Sincerely,

Steve Park

R&D Center / Assistant Manager

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Description of frequency stabilization, and suppression circuits.

Standard Telecom Co.,Ltd. Hereby declares that all models to be sold as NCP-7100 with FCC ID number MBUNCP7100 fully comply with J-STD-018 for CDMA

1. Description for Frequency Stabilization Circuits.

Frequency Stabilization is achieved with the Temperature Compensated Crystal Oscillator (TCXO). Frequency Stabilization of the Crystal is accomplished by Capacitor and Thermistor Network. The oscillator's Frequencies of the transmitter are determined by the Voltage Controlled Oscillator(VCO).

The Phase of the Signal (with divided frequency derived from the VCO) is phase locked to the 30KHz signal derived from the High Stability Oscillator(known as the Reference Oscillator). A Schematic Diagram of the VCO is attached.

2. Description of Circuits for Suppression of Spurious Radiation and for Limiting Power.

Means of Suppression of Spurious Radiation

Spurious and Harmonic Suppression is obtained by proper shielding techniques, and the use of the filters such as duplex filter and UHF filter.

Means of Limiting Power

Power Limiting is obtained via Automatic Power Control(APC) Circuit.

Refer to the attached block diagram showing the components and logic point that comprise the circuit that provide this function.

Sincerely,

Steve Park

R&D Center / Assistant Manager

(+82) 31-420-5448

Standard Telecom Co.,Ltd.