

November 20, 2000

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

**SUBJECT: YISO TELECOM CO. LTD.
FCC ID: PC6YFW-0001
Part 22 Certification**

Gentlemen:

Attached herewith, on behalf of **YISO TELECOM CO. LTD.** is an application for Part 22 Certification of the following **Single-Mode Cellular CDMA Card**:

FCC ID:	PC6YFW-0001
TRADE / MODEL(s):	FREEWING YFW-0001
EUT TYPE:	Non-Broadcast Transmitter Held to Ear (TNE)
Tx Freq. Range:	824.70-848.31 MHz
Rx Freq. Range:	869.70-893.31 MHz
Max. RF Output Power:	0.231 W ERP CDMA (23.633 dBm)

Attached is the Letter of Authorization, Confidentiality Request, ESN Affidavit, measurement report data and plots, RF Exposure measurement report, RF Warning Statement Location and User Manual RF Warning page, FCC ID label and location, test setup photographs, internal / external / SAR photographs, block diagrams (confidential), schematic diagrams (confidential), operational / circuit description (confidential), parts list & tune-up procedure (confidential), antenna specs (confidential), and the user's manual.

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



Randy Ortanez
President & Chief Engineer

cc: Mr. Sung Hyun Lee, Wireless Comm. Lab.
Manager / R&D
YISO TELECOM CO. LTD.



261 Yangjae-dong, Seocho-ku, Seoul, Korea

Tel: 82 - 2 - 576 - 1209

Fax : 82 - 2 - 576 - 1065

YISO TELECOM

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Federal Communications Commission
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046 U.S.A

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. 853(a).

Sincerely,

A handwritten signature in black ink, appearing to read "Sung Hyun Lee".

Name : Sung Hyun Lee

Title : Manager

Company name : YISO Telecom co.Ltd



261 Yangjae-dong, Seocho-ku, Seoul, Korea
Tel : 82 - 2 - 576 - 1209
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YISO TELECOM

DATE : 11 / 20 / 2000

Federal Communications Commission
Authorization and Evaluation Branch
7435 Oakland Mills Road
Columbia, MD 21046
U.S.A

In re : YISO Telecom Co.Ltd

Cellular CDMA only PCMCAIA Card FCC ID:PC6YFW-0001

Part 22 Certification

REQUEST FOR CONFIDENTIALITY

Gentlemen :

In accordance with 0.459 of CFR 47, YISO Telecom Co. Ltd. Hereby requests confidentiality of The Block Diagram attachment, Operational/Circuit Description attachment, Antenna Specification attachment, Parts List attachment , Tune-up Procedure attachment, and Schematics attachment for the above-referenced Certification application.

These documents contain detailed system and equipment description and related information About the product which YISO 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, YISO Telecom Co. Ltd. Feels this Information would be of benefit to its competitors, and that the disclosure of the information in These documents would give our competitors an unfair advantage in the market.

Sincerely Yours,

A handwritten signature in black ink, appearing to read "Seung Hyun Lee".

Seung Hyun Lee,

Manager

YISO Telecom Co. Ltd.



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Affidavit for ESN Protection

The ESN(Electronic Serial Number) is a 32-bit binary number that uniquely identifies the mobile station to any wireless system. The ESN must be determined in the factory and after that, this number must not be modified or duplicated to any mobile station.

So we have the following methods to protect from any attempt to change the ESN.

1. In our device, the ESN is stored in non-volatile memory, the type of which is a BGA (Ball Grid Array, a surface mount chip package that uses a grid of solder balls beneath its package as connectors to PCB). So any attempt to modify the ESN through the outer-lead connections is impossible. Of course, removal of this memory will disable our device.
2. In addition to the ESN, we have two more 32-bit validity numbers in the scattered region of the same memory. And the validity number is calculated by CRC (Cyclic Redundancy Code) Method. If any of these numbers is modified and does not match, our device will be inoperative.
3. To read the ESN, a predetermined packet must be transferred to our device. This packet includes another CRC code. Thus anybody that does not know the packet formats cannot read at all. We do not provide any software for ESN reading, either.
4. To write or change the ESN, three passwords must be transferred to our device via the above packets. These passwords are two 24-bit numbers and one 32-bit number. If incorrect password is transferred, the ESN cannot be modified and our device will not take any packet for about 10 seconds.
5. ESN writing software used in our factory can write ESN only if the ESN is the default factory value. This software is strictly administered not to be distributed to any unauthorized user.

With above methods, we are able to protect illegal modification or duplication of the ESN.
And we swear to make all efforts to protect illegal change of the ESN.

YISO Telecom Co. Ltd.

A handwritten signature in black ink, appearing to be "K. J. Kim", written over a horizontal line.



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FCC ID.: PC6YFW-0001

Section 2.97 (a) (b)-Statement of Compliance

Dear Sirs:

This equipment has been tested in accordance with the requirements contained in the appropriate Commission regulations. To the best of my knowledge, these tests were performed using measurement procedures consistent with industry or Commission standards and demonstrate that equipment complies with the appropriate standard. Each unit manufactured, imported, or marked, as defined in the commission's regulation, will conform to the samples tested within the variations that can be expected due to production and tested on a statistical basis. I further certify that the necessary measurements were made by:

PCTEST Engineering Laboratory, Inc.
6660-Bdobbins Road
Columbia, MD 21045

Sincerely,

A handwritten signature in black ink, appearing to read "Sung Hyun Lee".

Name : Sung Hyun Lee

Title : Manager

Company name : YISO Telecom co.Ltd



261 Yangjae-dong, Seocho-ku, Seoul, Korea

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Columbia, MD 21046

SUBJECT: YISO TELECOM CO. LTD.

FCC ID: PC6YFW-0001

Users Manual RF Exposure Warning Statement

Gentlemen:

YISO TELECOM CO. LTD. hereby confirms that that 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.

If you have any further questions regarding this matter, please do not hesitate to contact PCTEST Engineering Laboratory, Inc. at 410-290-6652.

Sincerely Yours,

A handwritten signature in black ink, appearing to read "Sung Hyun Lee".

Sung Hyun Lee,

Manager

YISO Telecom Co. Ltd.