

TOSHIBA

TOSHIBA CORPORATION PRINCIPAL OFFICE
INFORMATION EQUIPMENT GROUP
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-85 JAPAN

300/

141
Date : 02-26-99
Ref. No. : HFA-C016

Mr. Frank Coperich
Application Processing Branch
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Subject: Application for Certification of a Handheld Portable Cellular Telephone, FCC ID:
CJ6DCE34608A

Dear Mr. Coperich:

Please find attached an Application with Technical Brief submitted by Toshiba Corporation for Certification of the Transmitter portion of a Handheld Portable Cellular Telephone Transceiver to operate under Part 22 of the FCC Rules and Regulations.


As more fully discussed in Exhibit No.28, the Transceiver will initially be manufactured by Toshiba Corporation, Hino Works, in Japan, but subsequently may be manufactured or finally assembled at the plant of Toshiba America Information Systems, Inc. in Irvine, California or in People's Republic of China, at WELCO CHINA LIMITED, a member of Wong's international (Holdings) Ltd. in Hong Kong.

A check for \$610.00 is attached in payment of the required filing fee for this Application.
(Check no.)

If you have any questions, please contact with Mr. P. Leone of Toshiba America Information Systems, Inc. (949-587-6473) or Fax: (949-583-3204).

We would appreciate your proceeding with the above investigation at your earliest convenience. ,

Yours very truly,



Keiji Inada

Specialist
Engineering Administration Dept.
Information Equipment Group

CC: Mr. P. Leone, TAIS

Date : 02-26-99
TAIS Ref. No. : 99F-08

TOSHIBA

TOSHIBA CORPORATION HINO WORKS PHONE (042) 585-3111

1-1, ASAHIGAOKA 3-CHOME, HINO CITY,
TOKYO 191 -8555 JAPAN .

TRANSCEIVER TYPE:
CJ6DCE34608A

Federal Communications, Commission
Equipment Approval Services
P.O.Box 358315
Pittsburgh, PA 152515315

Subject: Affidavit for Cellular Mobile Telephone, Request for Confidentiality of Sensitive Documents
FCC ID: CJ6DCE34608A

Gentlemen:

I hereby certify that the Transceiver FCC ID: CJ6DCE34608A manufactured by TOSHIBA Corporation complies with all Requirements of OST Bulletin 53 as referenced in Section 221933 of the FCC Rules and all technical/test data enclosed with this application are true and correct.

TOSHIBA requests that the following Exhibit of this filing be kept confidential pursuant to 47CFR 0.457 and 0.459 due to the proprietary nature of the information, which could benefit competitors. The following exhibits contain Toshiba's trade secrets and very sensitive information which is not released to the public:

EXHIBIT No.5 Integrated Circuit Diagrams

EXHIBIT No.6 Block Diagram of Handheld Portable Telephone Transceiver

EXHIBIT No.10 Schematic Diagram. of Transceiver RF/BB

EXHIBIT No.12 Tune-up Procedure

EXHIBIT No.28 ESN Protection

Yours faithfully,



Kuniyoshi Marui

Senior Manager
Land Mobile Radio
Communications
Department

**LIST OF ATTACHMENTS AND CORRESPONDING EXHIBITS
FILED UNDER SUBJECT ELECTRONIC FILING**

1. Attestation Statement – Exhibit 1
2. Block Diagram -Exhibit 6 (Confidential)
3. Cover Letter – Confidentiality – Exhibit 1
4. External Photos – Exhibit 19, Exhibit 20
5. ID Label / Loc. Info -Exhibit 26, Exhibit 27
6. Internal Photos – Exhibit 21, Exhibit 22, Exhibit 23, Exhibit 24, Exhibit 25
7. Operational Description 1 – Exhibit 2
Operational Description 2 – Exhibit 28 (Conf.)
8. User's Manual – Exhibit 11
9. Tune-up Procedures – Exhibit 12 (Conf.)
10. RF Exposure (SAR) -Exhibit 18
11. Test Report (Toshiba) – Exhibit 2, Exhibit 3, Exhibit 4, Exhibit 13, Exhibit 14,
Exhibit 15, Exhibit 16
12. Schematics – Exhibit 5, Exhibit 10 (Confidential)
13. Test Reports (JQA) – Exhibit 17

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TOSHIBA CORPORATION HINO WORKS PHONE (042) 985-3111
1-1, ASAHIGAOKA 3-CHOME, HINO CITY,
TOKYO 191-8555 JAPAN

TRANSCEIVER TYPE:
CJ6DCE34608A
Date: 02-26-99

Federal Communications Commission
Equipment Approval Services
P.O.Box 358315
Pittsburgh, PA 15251-5315

Subject: Affidavit for Cellular Mobile Telephone, and request for confidentiality of sensitive documents.
FCC ID: CJ6DCE34608A


Gentlemen:

I hereby certify that the Transceiver FCC ID: CJ6DCE34608A is so designed that it complies with all the requirements for ESN protection specified in Section 22.919.

- (a) The transmitter in service has a unique ESN.
- (b) The ESN host component is permanently attached to a Logic board of the Handheld portable the integrity of the unit's operating software can not be alterable. The ESN is isolated 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 can not be alterable, transferable, removable 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 manufacture will render the mobile transmitter inoperative.

The detail documents of ESN are shown in Exhibit No. 28.

Yours faithfully,


Kuniyoshi Marui

Senior Manager
Land Mobile Radio
Communications
Department