



Matsushita Mobile Communications Development Corporation of U.S.A.

FCC ID: NWJ10A001A

**MATSUSHITA MOBILE COMMUNICATIONS DEVELOPMENT
CORPORATION OF U.S.A.**

Application for Type Acceptance

Panasonic Handheld Portable Cellular Telephone

FCC ID: NWJ10A001A

THIS COVER PAGE IS FOR FILING IDENTIFICATION ONLY

Panasonic

Matsushita Mobile Communications Development Corporation of U.S.A.

FCC ID: NWJ10A001A

Date: 6/28/1999

Authorization & Evaluation Division.
Federal Communications Commission Laboratory.
7435 Oakland Mills Road.
Columbia, MD 21045.

Subject: Application for Type Acceptance of Transmitter with FCC ID: NWJ10A001A

Gentlemen:

Matsushita Mobile Communications Development Corporation of U.S.A. in Suwanee, Ga., herein submits application for type acceptance of the subject transmitter.

This transmitter is intended for use in a dual mode – dual band cellular telephone application with capabilities for clear communications with a maximum transmit power of 600 mWatt or 27.8 dBm (Variable Power) down to as low as 0.16 mWatts in PCS mode.

The subject transmitter complies with Section 90.203 of the rules in that the operator cannot directly program transmit frequencies using only the unit's normally accessible external controls.

Enclosed is a complete Type Acceptance Application. Contact me (770) 338-6270 if you require any additional information.

Best Regards,

Pieter C. Seidel
Senior System Test Engineer
770-338-6210 Fax Number

Date: 6/28/99

Authorization & Evaluation Division.
Federal Communications Commission Laboratory.
7435 Oakland Mills Road.
Columbia, MD 21045.

Subject: REQUEST FOR CONFIDENTIALITY

Pursuant to sections 0.457 (d) (1) (ii) and 0.459 of the commission's rules, the applicant hereby requests confidential treatment of some of the information accompanying this application for FCC ID: NWJ10A001A as outlined below:

- Block Diagram
- Schematics
- Theory of operation and circuit descriptions
- Users Manual

This information contains trade secrets and proprietary information not customarily released to the public. The public disclosure of this information might be harmful to the applicant and provide unjust benefits to its competitors.

The applicant understands that pursuant to rule 0.457d, disclosure of this application and all accompanying documentation will not be made before the date of the grant for this application.

MMCD Panasonic

Pieter C. Seidel
Senior System Test Engineer

LIST OF EXHIBITS

DESCRIPTION	FCC REFERENCE
Cover Letters	
1. Cover	
2. Letter of Intent	
3. Confidentiality statement	
4. List of Exhibits	
I. Attestation Statement	2.983(a)
II. Identification label information	2.983-(f)
III. Block Diagrams	2.983(d7)
IV. Operational Description	
1. General Information	2.983-(a,b,c)
1. Production Plans	2.981-(c)
2. Application References	2.1061
2. Technical Characteristics	2.983-(d1,2,3,4,5)
3. Function of Active devices	2.983-(d6)
4. Circuit Description	
1. Frequency Stabilizing	2.983-(d10)
3. Harmonic Suppression	2.983-(d11)
2. Modulation Limiting	2.983-(d11)
4. Power Limiting	2.983-(d11)
5. Attenuating Higher Audio Freq.	2.983-(d11)
6. Digital Modulation Techniques	2.983-(d12)
7. ESN Protection	22.919
V. Schematics	2.983-(d7)
VI. Tune Procedure / Parts Lists	2.983-(d9)
VII. Test Report	2.983-(e)
1. Data Index	
2. RF Output-Data	2.985
3. Modulation Characteristics	2.987, 22.915
A. Audio Response	2.987(a)
B. Low Pass Filter Response	2.987(a)
C. Modulation Limiting	2.987(b)
4. Occupied Bandwidth	2.989, 22.917
5. Conducted Spurious Emissions	2.991, 24.238, 22.917(e,f)
6. Radiated Spurious Emissions	2.993, 24.238, 22.917(e,f)
7. Frequency Stability (Temp & Supply Volt)	2.995
8. Radiated Power	22.913, 24.232(b)
VIII. RF Exposure - SAR	2.1093
IX. Internal Photograph(s)	2.983-(g)
X. External Photograph(s)	2.983-(g)
XI. User Manual	2.983-(d8)
XII. Test System and Measurement Procedure	2.999 & 2.947