



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

FCC ID: NWJ10A002A

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

Application for Class 2 Change

Panasonic Handheld Portable Cellular Telephone

FCC ID: NWJ10A002A

THIS COVER PAGE IS FOR FILING IDENTIFICATION ONLY

Panasonic

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

FCC ID: NWJ10A002A

Date: 10.31.2000

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

Subject: Class 2 Permissive change on NWJ10A002A

I am requesting a Class 2 Permissive change on the Panasonic EB-TX210 & 220 mobile phones FCC ID# NWJ10A002A. Below is the desire of Panasonic.

Panasonic EB-TX210 & 220 mobile phone FCC ID# NWJ10A002A have been changed to meet customer requirements. These changes are as follows:

1. The antenna has been tilted 3 mm away from the body of the product
2. The antenna match has been optimized
3. The transmit power has been decreased in AMPS & PCS mode
4. The transmit power has been increased in Digital 800 MHz mode

Rule part 2.1043(a) states that any change to a certified product that introduces performance degradation requires a class 2 change and that any power output changes requires a new filing. However, per my conversation with Richard Fabina, on 10/16/2000, we would be allowed to forfeit the Grant of Equipment Authorization for NWJ10A002A granted on 9/6/00 and keep the current FCC ID for this change. In support of this, these two model phones have not been sold into any market. Keeping this ID it is important to us due to preprinted for these products. There are no phones in the market place in the old configuration. We are requesting that the data described below be reviewed and these two models be granted based on the new data. The original hard copy grant that we want to forfeit has been enclosed and is scanned into this document. There are also pictures to better show the movement of the antenna.

Enclosed is all required information. Contact me (770) 338-6270 if you require any additional information.

Best Regards,

Pieter C. Seidel
Technical Group Leader
Systems Test
Phone: 770-338-6270

COVER LETTERS

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Data Summary

The above changes made only affect the radiated performance of the phone. Per my conversation with Richard Fabina on 10/16/2000, the only data required would be SAR and radiated power data. We have attached a new exhibit 11 – SAR data and Radiated Power Data to show that the phone still meets the requirements. The chart below summarizes the original data and the new data.

Model	Old Head SAR(W/kg)	New Head SAR(W/kg)	Old Body SAR(W/kg)	New Body SAR(W/kg)
EB-TX210				
AMPS	1.49	1.49	0.91	0.906
TDMA 800	0.70	1.48	0.42	0.899
TDMA 1900	1.23	1.47	0.52	0.930
EB-TX220				
AMPS	1.43	1.41	0.35	0.291
TDMA 800	0.65	1.30	0.16	0.325
TDMA 1900	0.96	1.01	0.40	0.408

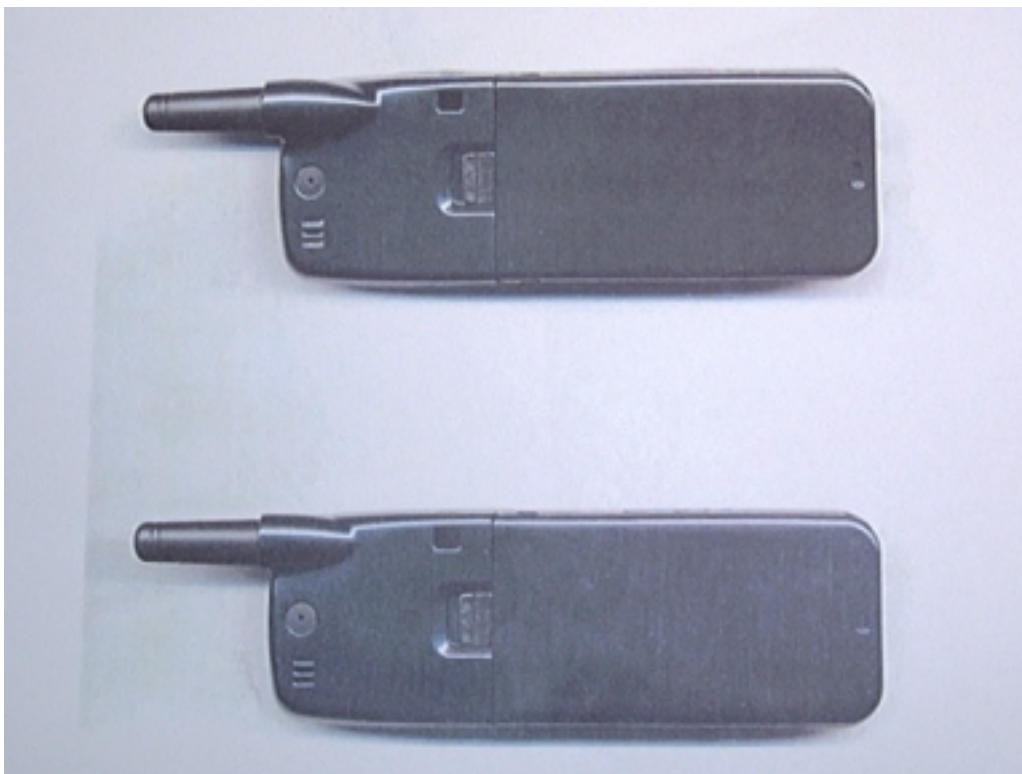
Model	Old Conducted Power (dBm)	New Conducted Power (dBm)	Old ERP (dBm)	New Radiated Power
EB-TX210				
AMPS	25.5	23.6	27.5	26.21 dBm ERP
TDMA 800	27.4	28.5	28.4	29.70 dBm ERP
TDMA 1900	26.4	26.2	27.8	27.78 dBm EIRP
EB-TX220				
AMPS	25.5	23.6	27.4	26.21 dBm ERP
TDMA 800	27.4	28.5	28.4	29.68 dBm ERP
TDMA 1900	26.4	26.2	27.8	27.78 dBm EIRP

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Panasonic Model EB-TX210

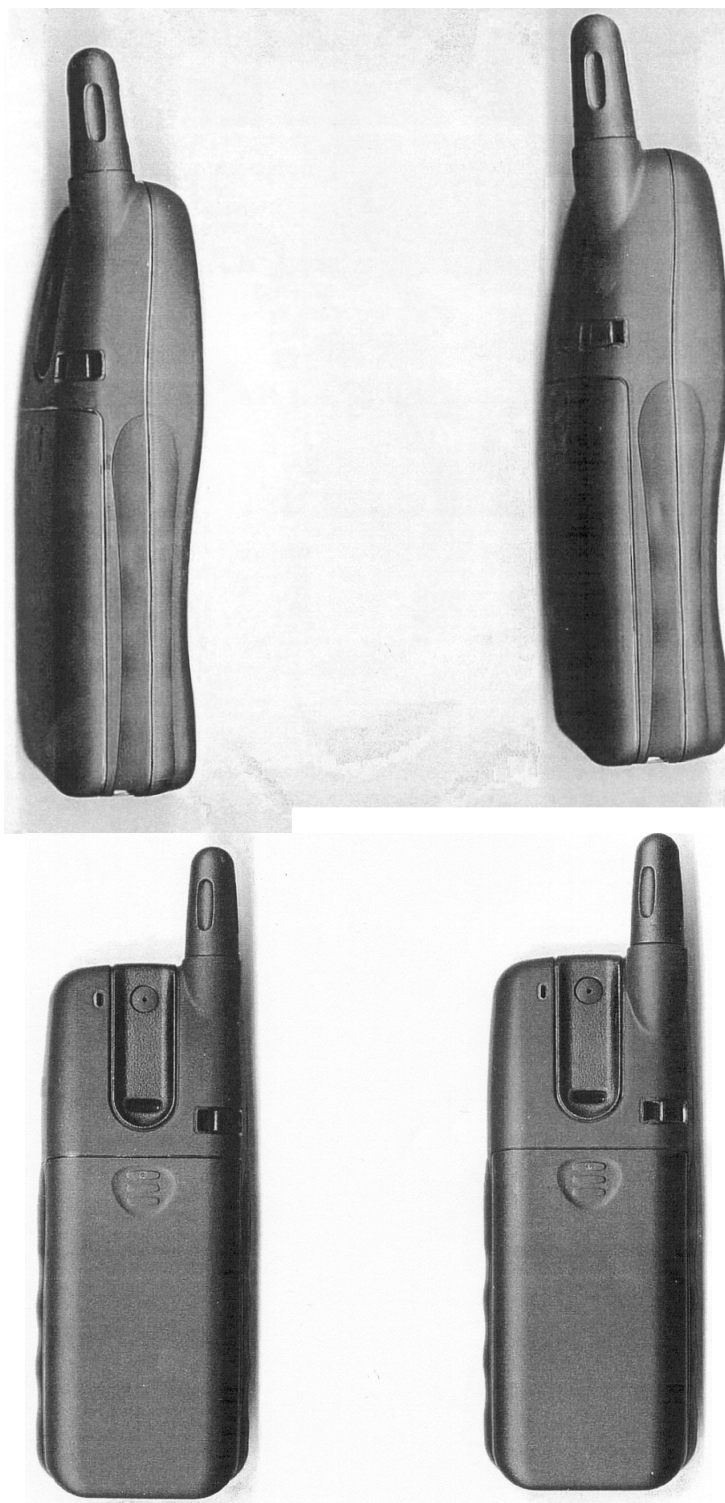


Panasonic

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FCC ID: NWJ10A002A

Panasonic Model EB-TX220



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

GRANT OF EQUIPMENT AUTHORIZATION

Certification

Matsushita Mobile Communications Development
1225 Northbrook Parkway, Ste. 2-400
Suwanee GA 30024

Date of Grant: 9/6/00

Application Dated: 5/8/00

Attention: Pieter Seidel, Senior Systems Test Engineer

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for
the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER **NWJ10A002A**

Name of Grantee **Matsushita Mobile Communications Developm**

Equipment Class : Licensed Non-Broadcast Station Transmitter

Notes: Tri-Mode cellular telephone

Grant Notes	FCC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
	22(H)	824.04 - 848.97	0.568	2.5 PM	40K0F1D
	22(H)	824.04 - 848.97	0.568	2.5 PM	40K0F8W
	22.901(d)	824.04 - 848.97	0.695	200 Hz	30K0DXW
	24(E)	1850.04 - 1909.95	0.6	200 Hz	256KDXW

Output is ERP for Part 22 and EIRP for Part 24. SAR compliance was tested for both models approved for this filing. SAR compliance for body-worn operating configurations is limited to the specific holster/belt-clips tested for this filing. End-users must be informed of the body-worn operating requirements for satisfying RF exposure compliance.

The highest reported SAR values for devices authorized under this FCC ID are:
AMPS/TDMA mode (Part 22) - Head: 1.49 W/kg, Body-worn: 0.91 W/kg
PCS/TDMA mode (Part 24) - Head: 1.23 W/kg, Body-worn: 0.52 W/kg

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receive
09-13-00