

Matsushita Electric Corporation of America

Product Safety & Compliance Division

1 Panasonic Way, 4B-8

Richard Mullen

Secaucus, NJ 07094

Group Manager

Panasonic Quasar Technics

Fax: (201) 392-4564

Tel: (201) 348-7758

e-mail: MullenR@panasonic.com

FCC DECLARATION OF CONFORMITY CLASS B COMPUTING DEVICE / CF-28 SERIES

Certificate Number: DoC2001-03J

Fty Ref No.: ITPD-03-F005

Original Date: February 12, 2001

Revised Date: March 17, 2003

Type Product	Class B Computing Device / Notebook Computer 47 CFR, Part 15, Subpart B / Class B Limits	
Basic Unique Identification	Panasonic Notebook Computer, Model CF-28 Series. Provided with AC Adaptor CF-AA1639A or CF-AA1653 and Battery Pack CF-VZSU18. May be provided with Port Replicator CF-VEB272A; Super FDD CF-VFS271; CD-ROM CF-VCD271 or CF-VCD218; DVD-ROM CF-VDD272, CF-VDD281, CF-VDD283 or CF-VDD285; CD-R/RW CF-VCW281, CF-VCW282, CF-VDR281 or CF-VCW283; or DVD-ROM & CD-R/RW CF-VDR282. Optional Aztech Fax/Data Modem MP3930-W, Ambit LAN Module CF-WEL281, and Global Positioning System CN-GX0100A.	
Brief Product Description	Notebook Computer with CPU types Mobile P3-600, -800, -866, -933, -1000. Uses various internal and external clock frequencies such as 65, 100, 600, 800 and 1000 MHz. Provided with 12.1" (800x600) or 13.3" (1024x768) TFT Color LCD, supports external resolution up to 1024x768, NI, PC Card Slots and RAM Module Slot. Provided with interface ports for Parallel, Video, Serial, Microphone, Headphone, IR, KB/Mouse, Expansion Bus, USB and Internal Modem. Wireless Notebook Computer authorized under DoC2001-20 Series.	
Special Conditions	<ul style="list-style-type: none">• Must be provided with enclosure label with FCC DoC logo.• Must be provided with User Manual with responsible party's information and other specific required user information.• Must be provided with AC Adaptor with DC cable with ferrite core.• Optional external FDD must be provided with interface cable with ferrite core.• This device has shown compliance with the conducted emissions limits in 15.107 adopted under FCC 02-157 (ET Docket 98-80) and may be marketed after July 11, 2005 and is not affected by the 15.37(j) transition provisions.	
Responsible Manufacturer	MEI / AVC Company / IT Products Division 1-5-1 Takatsuka-dai, Nishi-ku Kobe-Shi, Hyogo 651-2271, Japan	[ITPD]
Accredited Test Facility	Tokin EMC Engineering / Osaka, Japan DoC Test Report: N/R -Class I Change	[TOKIN]
Responsible Sales Company Telephone No.	Panasonic Computer Solution Company Two Panasonic Way, Secaucus, NJ. 07094 1-800-LAPTOP-5 (1-800-527-8675)	[PCSC]
Responsible Party	Matsushita Electric Corporation of America One Panasonic Way, Secaucus, NJ 07094	[MECA]

DoC is granted on the basis of the manufacturer's attested compliance with the above conditions and is accordance with Report and Order in ET Docket No. 95-19, FCC 96-208. Importation of above declared products may be made by filing FCC Form 740, declaring Line 2.

Authorized by,

Richard Mullen

Richard Mullen,

Group Manager

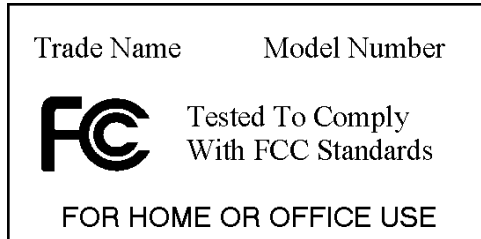
Product Safety & Compliance Division

APPENDIX A
LABEL AND USER INFORMATION
PANASONIC NOTEBOOK COMPUTER, MODEL CF-28 SERIES

Certificate Number: DoC2001-03J
Original Date: February 12, 2001

Fty Ref No.: ITPD-03-F005
Revised Date: March 17, 2003

Following type FCC label marking must appear on bottom enclosure of Notebook Computer and optional External FDD:



Following type user information must appear in the User Manual:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: To assure continued compliance, use only shielded interface cables when connecting computer to peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Exposure Warning: This computer is provided with PC Card slots that could be used with wireless transmitter(s), which will be specifically recommended, when they become available. Other third-party wireless transmitter(s) have not been RF exposure evaluated for use with this computer and may not comply with FCC RF exposure requirements.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party: Matsushita Electric Corporation of America
One Panasonic Way
Secaucus, NJ 07094
Tel No: 1-800-LAPTOP-5 (1-800-527-8675)

APPENDIX B-1
PRODUCT HISTORY / CONFIDENTIAL
PANASONIC NOTEBOOK COMPUTER, MODEL CF-28 SERIES

Certificate Number: DoC2001-03J
Original Date: February 12, 2001

Fty Ref No.: ITPD-03-F005
Revised Date: March 17, 2003

Fty Ref No.	Date	Type Device	Model	Description
PCPD-01-F001 [DoC2001-03]	01/29/01	Notebook AC Adaptor Port Replicator FDD FDD I/F Cable CD-ROM DVD-ROM Battery Pack Fax Modem FCC Reg No: 4J2SNG- 27847-MS-E	CF-28 Series CF-AA1639A CF-VEB272A CF-VFS271 CF-VCF271 CF-VCD271 CF-VDD272 CF-VZSU18 MP3930-W	Multimedia Notebook Computer with Mobile Pentium III-600. Uses 14, 65, 100 and 600 MHz clock frequencies. Provided with 12.1" (800x600) or 13.3" (1024x768) TFT Color LCD, supports external resolution up to 1024x768, NI, PC Card Slots and RAM Module Slot. Provided with interface ports for Parallel, Video, Serial, Microphone, Headphone, IR, Keyboard/Mouse, Expansion Bus, USB and Internal Modem. Tokin/Japan test report S1R011181 dated 01/19/01. Multimedia system tested with all available interface ports connected to suitable peripheral devices in accordance with ANSI C63.4-1992 to show compliance to FCC Part 15 Class B limits. Tests performed with 13.3" LCD, internal FDD, video output to CRT and LCD, communication speed 9600 bps and FDD/HDD R/W. Worst case reported emission safety margin was 12.3 dB conducted @ 4.271 MHz and 6.3 dB radiated @ 65.13 MHz. Wireless Notebook authorized under DoC2001-20.
PCPD-01-F003 [DoC2001-03A]	02/19/01	Notebook DVD-ROM Ambit LAN Module T90L026.01	CF-28 CF-VDD281 CF-WEL281	Class II Change to add alternate DVD-ROM Drive and internal Ambit LAN Module. Kobe Test Site test data, with no date or reference report number, indicated test results were better than originally reported by Tokin test report. Worst case reported emission safety margin was 8.6 dB conducted @ 29.234 MHz and 16 dB radiated @ 49.8 MHz.
PCPD-01-F010 [DoC2001-03B]	06/12/01	Notebook CD-R/RW	CF-28 CF-VCW281	Class I Change to report alternate construction with added CD-R/RW Pack.
PCPD-01-F012 [DoC2001-03C]	07/18/01	Notebook GPS RX GPS ANT	CF-28 CN-GX0100A EBMGMD51R5VB	Class I Change to report optional Global Positioning System, which will be added to Notebook Computer by PCSC upon customer request. This GPS consists of MCI's GPS Module type CN-GX0100A, which receives at 1575.42 MHz; and Miyazaki Matsushita Antenna Module type EBMGMD51R5VB. Pursuant to §15.101(b), this RX is exempt from complying with technical provisions of Part 15B, except for general conditions in §15.5
PCPD-01-F025	12/10/01	Notebook 2 nd HDD Pack	CF-28 CF-VHD2830U	Class I Change to add optional 2 nd HDD Pack.
PCPD-01-F026 [DoC2001-03D]	12/11/01	Notebook AC Adaptor Port Replicator FDD I/F Cable CD-ROM SDD Pack Battery Pack	CF-28 Series CF-AA1639A CF-VEB272A CF-VCF271 CF-VCD271 CF-VFS271 CF-VZSU18	Class II Change to add alternate CPU, types P3-800, -866, -933, -1000. Tokin/Japan test report S1R01Y361 dated 12/06/01 Multimedia system tested with all available interface ports connected to suitable peripheral devices in accordance with ANSI C63.4 to show compliance to FCC Part 15 Class B limits. Tests performed internal LCD and external monitor and communication speed 9600 bps. Worst case reported emission safety margin was 14.4 dB conducted @ 4.389 MHz and 4.0 dB radiated @ 37.97 MHz.

APPENDIX B-2
PRODUCT HISTORY / CONFIDENTIAL
PANASONIC NOTEBOOK COMPUTER, MODEL CF-28 SERIES

Certificate Number: DoC2001-03J
Original Date: February 12, 2001

Fty Ref No.: ITPD-03-F005
Revised Date: March 17, 2003

ITPD-02-F004 [DoC2001-03E]	02/13/02	Notebook AC Adaptor DVD-ROM DVD-ROM & CD-R/RW	CF-28 Series CF-AA1639A CF-VDD283 CF-VDR281	Class I Change to add optional DVD-ROM Pack and DVD-ROM & CD-R/RW Pack.
ITPD-02-F007 [DoC2001-03F]	04/02/02	Notebook AC Adaptor Battery Pack Port Replicator CD-ROM Pack SDD Pack FDD I/F Cable	CF-28 Series CF-AA1653 CF-VZSU18 CF-VEB272A CF-VCD271 CF-VFS271 CF-VCF271	Class II Change to add alternate AC Adaptor Model CF-AA1653 with detachable 3-Pin AC Plug and permanently attached DC cable with ferrite core. Token/Japan test report S2b023121 dated 03/11/02. Multimedia system tested with all available interface ports connected to suitable peripheral devices in accordance with C63.4 to show compliance to FCC Part 15 Class B limits. Tests performed with internal LCD and external monitor and communication speed 9600 bps. Worst case emission margin was 9.9 dB conducted @ 0.619 MHz and 6.2 dB radiated @ 40.30 MHz.
ITPD-02-F009 [DoC2001-03G]	03/27/02	Notebook AC Adaptor Battery Pack CD-R/RW	CF-28 Series CF-AA1653 CF-VZSU18 CF-VCW282	Class I Change to add optional CD-R/RW Pack Model CF-VCW282.
		Notebook AC Adaptor	CF-28 Series CF-AA1653	567 pieces of Notebook Computer Model CF-28 was sold to WI State Police with no wireless devices installed. It was discovered this computer's spread spectrum bios was causing interference to police's licensed radio transceiver in the 466.2 MHz band. Also, it was been determined if spread spectrum of bios feature were turned-off, it would remove interference to police's transceiver operation, but would cause computer to go out of Class B compliance and into meeting Class A compliance. WI State Police agreed to countermeasure to turned-off spread spectrum of bios and accept with computer as operating as compliant under Verification to with Class A limits. FCC DoC logo is to be removed from computer and added Class A warning notice will be added to existing Operating Instructions.
ITPD-02-F023 [DoC2001-03H]	10/22/02	Notebook AC Adaptor DVD-ROM	CF-28 Series CF-AA1653 CF-VDD285	Class I Change to add optional DVD-ROM Pack Model CF-VDD285. MKE is manufacturer and responsible party of Class I Laser Product.
ITPD-02-F031 [DoC2001-03I]	12/27/02	Notebook AC Adaptor CD-ROM	CF-28 Series CF-AA1653 CF-VCD281	Class I Change to add optional CD-ROM Pack, Model CF-VCD281.
ITPD-03-F005 [DoC2001-03J]	02/25/03	Notebook AC Adaptor CD-R/RW DVD-ROM & CD-R/RW	CF-28 Series CF-AA1653 CF-VCW283 CF-VDR282	Class I Change to add optional CD-R/RW DVD-ROM & CD-R/RW, Models CF-VCW283 CF-VDR282.