

# Matsushita Electric Corporation of America

Product Safety & Compliance Division

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September 26, 2000  
KMTDKM4-00-U55  
731 Confirmation Number: EA98873

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

Subject: Original Application for 2.4 GHz Direct Sequence Spread Spectrum Transceiver  
Panasonic 2.4 GHz PC Wireless LAN Card, Model KX-HGC200  
FCC ID: ACJ96NKX-HGC200


Gentlemen:

Enclosed, find Matsushita Electric Industrial Co., Ltd.'s Application for Equipment Authorization dated September 11, 2000. This subject device in compliance with Part 15, Subpart C and in accordance with §15.247 of the FCC Rules

The subject device is a composite device with the 2.4 GHz transmitter portion being submitted for Certification with FCC ID and the Class B Peripheral Device portion to be authorized under DoC with FCC logo. The 2.4 GHz transmitter portion utilizes dynamic time division multiple and direct sequence spread spectrum (DSSS) circuitry. This device will initially operate on only one-of-three channels 1, 6 and 11 within the 2412 ~ 2466 MHz frequency band with 126 mW EIRP maximum rated RF output. The three channel selection is accomplished by either internal circuitry searching for vacant channel or by user selection to an exact channel. Depending upon future market demands, this product can be modified to allow up to eleven channels by only a software change, which we judge would have not influence upon filed test reports and could be treated as a Class I Permissive Change. The measured processing gain is based upon actual end-product circuitry and DSSS baseband processor chip set HFA3861B, which provides 11.2 dB overall processing gain. This product uses internal omni-directional type antenna and the enclosure's antenna jack connection is presently intended for RF power measurement purpose only. Note, if an external antenna were to be introduced in the future, it would be reported as a Class II Permissive Change. The maximum worst case measured body SAR was 0.2495 W/kg, which is well below maximum spatial peak safety limits of 1.6 W/kg allowed for body averaged over 1 kilogram. The SAR measurement distance was performed at 1.3 cm between the significant source of emission (antenna) and the phantom body due to the physically construction this device.

Should you have any questions, please contact the undersigned. Thank you for your attention in this matter.

Sincerely yours,

  
Richard Mullen  
Group Manager