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Product Safety & Compliance Division

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KM4-02-U31

731 Confirmation Number: 13EA466126

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

Subject: Original Application for Frequency Hopping Spread Spectrum Cordless Telephone System
Panasonic 5.8 GHz Cordless Telephone System, Model KX-TG5110 Series
FCC ID: ACJ96NKX-TG5110

Gentlemen:

Enclosed, find Matsushita Electric Industrial Co., Ltd.'s Application for Equipment Authorization dated December 19, 2002. This system is in compliance with Part 15, Subpart C and in accordance with §15.247 of the FCC Rules. This filing includes request for confidentiality for selected exhibits in accordance §0.459 as they contain proprietary, confidential, patent pending and custom designs, which would not be routinely made available for public inspection. Request for confidentiality includes Exhibits E, F and I, which provide Description of Circuitry, Schematic Diagrams and FHSS Description.

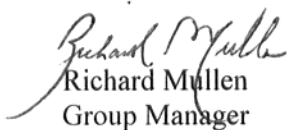
The subject device is a frequency hopping spread spectrum cordless telephone system with GFSK modulation and operation on 75 logical channels within the 5759.7 ~ 5838.2 MHz frequency band. Both the base and handset units have permanently attached dual type antennas. The maximum RF conducted output power for the base unit is 0.268 watts with 4 dBi antenna gain; and the handset unit is 0.170 watts with 2.15 dBi antenna gain.

This cordless telephone system was RF exposure evaluated with SAR test results: (1) handset with zero antenna spacing to ear had 0.35W/kg brain SAR; (2) handset in belt-clip at 2.2 cm antenna spacing had 0.79W/kg body SAR; and (3) base unit with zero antenna spacing to body had 0.43W/kg body SAR. From this acceptable SAR test results, we understand the User Manual is not required to advise the user about any minimum antenna spacing requirements between base unit and handset unit to users head or body. In spite of this, we elect to include the following type marking in the User Manual: "Caution: To comply with FCC RF exposure requirements, the base unit should be installed with its antenna located at 20 cm or more from persons body and handset should be carried with the specific belt-clip provided for the handset to ensure compliance. Other non-tested belt-clips or similar body-worn accessories may not comply and therefore, should be avoided."

The base unit will be TCB certified by CCL under ACTA ID: US: ACJWI01BKX-TG5110.

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

Sincerely yours,



Richard Mullen
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