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Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046 USA

Subject: Original Certification Application for Frequency Hopping Spread Spectrum Transmitter
Panasonic 5.8 GHz FHSS Cordless Telephone System, Model KX-TG5631 Family
FCC Certification for FCC ID: ACJ96NKX-TG5631

To Whom It May Concern:

Enclosed, find our original application for the subject transmitter. This product is in compliance with Part 15, Subpart C and Section 15.247. In accordance with provisions of Sections 0.457(d) and 0.459 of the Commission's Rules and Section 552(b)(4) of the Freedom of Information Act, we request permanent confidentiality for exhibits, which contains Description of Circuitry, Schematic Diagram, Block Diagram and FHSS Operation of Description and Overview of Frequency Hopping Algorithm. These exhibits contain proprietary, confidential and trade secrets material, which would not be routinely made available for public inspection. Also, in accordance with FCC Public Notice DA 04-1705, we request temporary confidentiality for exhibits, which contain External and Internal Photographs and the User Manual.


The subject product is cordless telephone system, which has mobile base unit and portable handset. The transceiver portion of this product uses frequency hopping spread spectrum transmitter with FSK modulation with operation within 5725 ~ 5850 MHz. The base and handset have a maximum peak conducted RF output of 0.102 watts and 0.076 watts. The base uses left and right permanently attached collinear antenna with nominal 3 dBi antenna gain and the handset uses permanently attached $5/8 \lambda$ pattern antenna with nominal 4 dBi antenna gain.

The handset unit is classified as portable and SAR test reports was generated on representative handset model KX-TGA560. The SAR test report was generated with maximum transmit power (EIRP) at 21.1 dBm (0.129 watts) with 20% duty cycle based on averaged and crest factor of 5. The worst-case handset SAR test results for head position was 0.395 W/Kg and for body position was 0.412 W/Kg.

The base unit is classified as mobile and the User Manual will contain the following type FCC RF Exposure Warning: "This product complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF exposure requirements the base unit must be installed and operated with its antenna located 20 cm or more between antenna and all person's body (excluding extremities of hands, wrist and feet). The handset unit may be carried and operated with only the specific provided belt-clip. Other non-tested belt-clips or similar body-worn accessories may not comply and must be avoided. The base and handset units must not be co-located or operated in conjunction with any other antenna or transmitter."

The telephone interface portion of this product's base was FCC Part 68 TCB certified by CCL under identification number US: ACJW401BKX-TG5631.

Sincerely yours,


Richard Mullen
Group Manager