

October 26, 2006
PCTP-06-F024
EA910079

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

Subject: Original Certification Application for Frequency Hopping Spread Spectrum Transmitter (DSS)
Panasonic 5.8 GHz FHSS Cordless Telephone System
Base Model KX-TG6051 and Handset Model KX-TGA600 Family
FCC Certification for FCC ID: ACJ96NKX-TG6051

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 Diagrams, Block Diagrams, FHSS Description and Antenna Construction. 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, Test Setup 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 5759.7 ~ 5838.2 MHz. The base and handset have a maximum peak conducted RF output of 0.0968 watts and 0.0670 watts. The base and handset use $5/8 \lambda$ pattern antenna with nominal 3 dBi and 4 dBi antenna gain.

The base unit is classified as mobile and its calculated MPE at 20 cm spacing is 0.03844 mW/cm^2 . The handset unit is classified as portable and SAR test reports was generated on representative handset model KX-TGA600. The SAR test report was generated with maximum transmit power 0.1072 watts (EIRP) with 20% duty cycle based on averaged and crest factor of 5. The worst-case measured handset SAR test results for head position was 0.090 W/Kg and body position was 0.639 W/Kg.

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 (8 inches) or more between antenna and all person's body (excluding extremities of hands, wrist and feet). This product must not be co-located or operated in conjunction with any other antenna or transmitter. For body-worn operation, the handset must be used only with a non-metallic accessory. Use of other accessories may not ensure compliance with FCC RF exposure requirements."

The telephone interface portion of the base will be FCC Part 68 TCB certified by CCL under identification number US: ACJW401BKX-TG56051.

Sincerely yours,

Richard Mullen

Richard Mullen
Group Manager
Product Safety & Compliance Division