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**Canada**

**Re: Letter of Explanation for Panasonic Headset Model KX-WH450 SAR Exemption**

FCC ID: ACJ9TAWX-CH450  
Product Type: 1.9 GHz UPCS Cordless Headset

To Whom It May Concern

**DECT 6.0 Cordless Headset SAR Exemption for TCB Certification under Part 15D**

This handset uses the DECT standard and operates with very low duty cycle.

**Operational Description**

The equipment is a DECT 6.0 Cordless Handset that operates in the frequency range of 1921.536 to 1928.448 MHz with 5 RF channels.

**RF Exposure Conditions**

The Headset is intended for use in the portable exposure condition and General Population / Uncontrolled exposure environment.

**Transmission Mode**

The headset uses DECT technology and transmits maximum one slot per 10ms DECT Frame. The transmitted slot is a DECT Full slot (max. 416 $\mu$ s). The headset transmits maximum two slots per 10ms period, i.e. the duty cycle is 8.33 %.

## RF Output Power

TX Frequency Range: 1921.536 – 1928.448 MHz  
Maximum Peak Output Power: 0.0955 Watts  
Maximum Duty Factor: 1/12 = 8.33 %

Maximum source-based time-averaged output power: 8 mW

Max. power of channel: 8 mW  
Min. separation distance: 5 mm  
Max. frequency: 1.93 GHz

[(Pwr/Dist)\*vFreq.] = 2.2

The result of the above SAR threshold calculation demonstrates that the result is less than the 1-g numeric threshold of 3 and the 10-g numeric threshold of 7.5.

**Conclusion: The above analysis shows that the evaluated device qualifies for exemption from SAR testing.**



Frode Sveinsen

Chief Engineer

Nemko AS

Kjeller, 05-Mar-2015