

Nemko Canada, Inc.
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Canada



Re: Letter of Explanation for GN Netcom Model WHB004HS SAR Exemption

FCC ID: WHB004HS
Product Type: 1.9 GHz UPCS Cordless Handset

To Whom It May Concern

UPCS DECT 6.0 Cordless Handset SAR Exemption for FCC TCB Certification under Part 15D

This handset operate a very low Output Power of 5 mW Peak (maximum of both radiated and conducted is 5 mW or less). For FCC TCB Certification SAR testing has been excluded since the maximum peak output power is $< 60/f$ mW.

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.

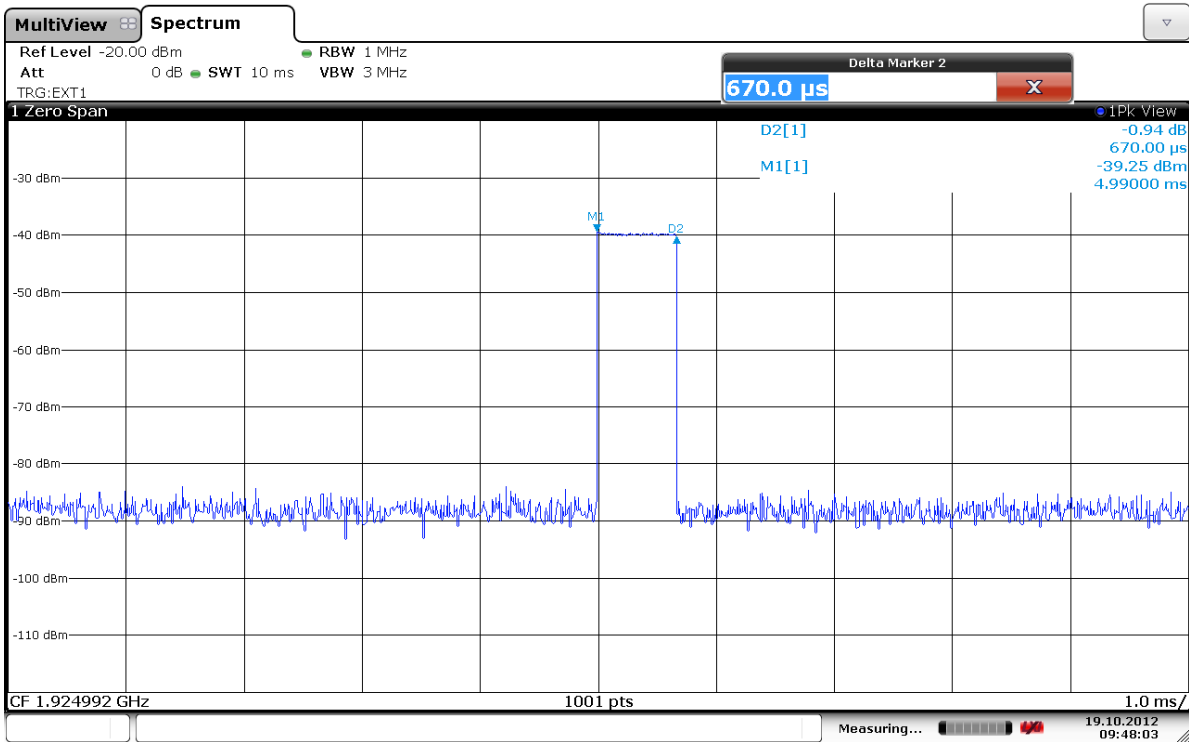
RF Exposure Conditions

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

Transmission Mode

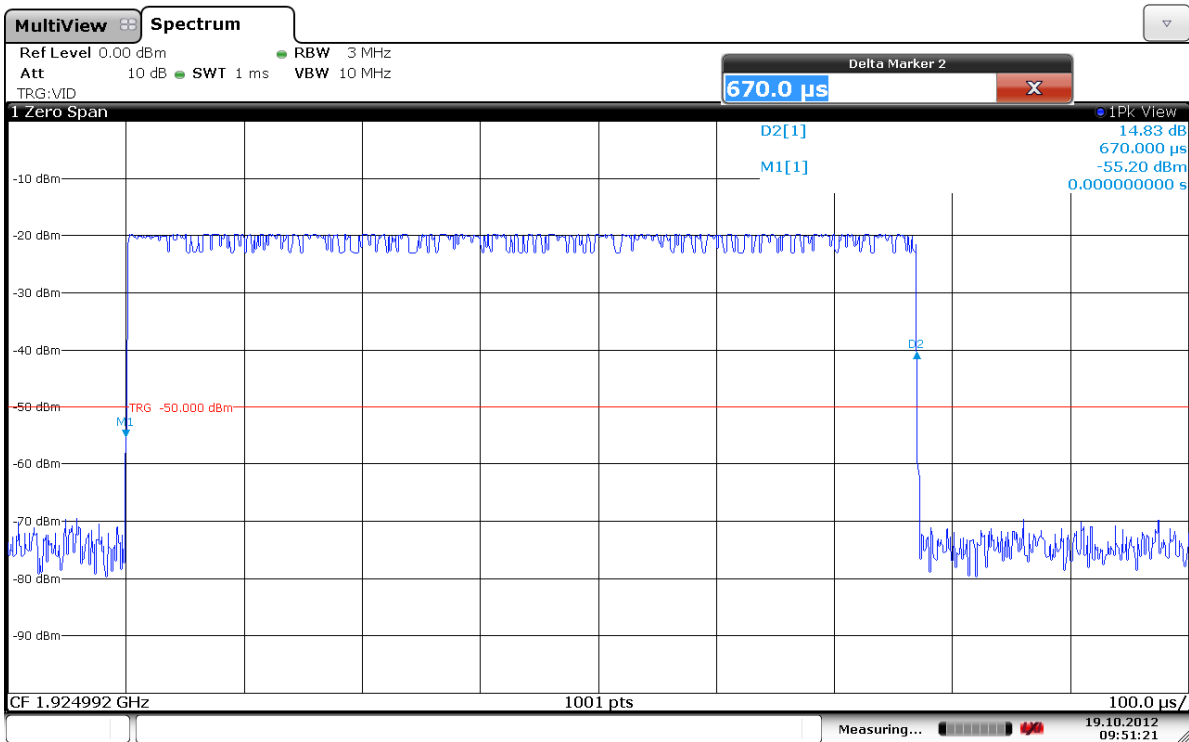
The handset uses DECT technology and transmits maximum one slot per 10ms DECT Frame. The transmitted slot is either a normal slot (400 μ s) or a long slot (670 μ s) depending on the speech codec in use. The handset transmits maximum one slot per 10ms period, i.e. the duty cycle is less then 7%.

Duty Cycle



Date: 19.OCT.2012 09:48:03

Above plot shows DECT Frame with Handset Long Slot



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Close-up of Handset Long-Slot

RF Output Power

TX Frequency Range:	1921.536 – 1928.448 MHz
Maximum Peak Output Power:	0.0049 Watts (Radiated) 0.0046 Watts (Conducted)
Maximum Duty Factor:	less than 7 %
Maximum source-based time-averaged output power:	less than 0.35 mW
60 / f (GHz) mW:	31.2 mW

A handwritten signature in blue ink that reads 'Frode Sveinsen'.

Frode Sveinsen

Chief Engineer

Nemko AS

Kjeller, 19-Oct-2012