



# Microhard Systems Inc.

Leaders in Wireless Telecom

#17, 2135-32nd Ave N.E.  
Calgary, Alberta T2E 6Z3  
Tel: (403) 248-0028  
Fax: (403) 248-2762

Website: <http://www.microhardcorp.com>

June 1, 2009

## FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road  
Columbia, MD 21046  
U.S.A.

**Re:** Extended Frequency  
**Applicant:** Microhard Systems Inc.  
**Product:** 400-480MHz OEM Narrowband Modem  
**Model:** L400  
**FCC ID:** NS909P29

Dear Sir/Madam,

Microhard understands the following Part 90 spectrum, and would like the FCC to certify the entire 406.1 to 480MHz spectrum to include the Part 90 extended frequencies. This would be done to facilitate the requirements of agencies covered under NTIA spectrum usage. Government agencies complying with the NTIA instead of the FCC must purchase their equipment from private industry manufactures that are governed under FCC rules. The conflict in spectrum allocation detracts from the options available to the government agencies for COTs commercial off the shelf equipment which meets their required specifications.

### Part 90 frequencies

406.1 - 410 MHz  
410 - 420 MHz  
420 - 450 MHz (not for mobile use)  
450 - 454 MHz  
456 - 460 MHz  
460 - 462.5375 MHz  
462.7375 - 467.5375 MHz  
467.7375 - 480 MHz

### Part 90 extended frequencies

454 - 455 MHz Part 22, Part 80  
455 - 456 MHz Part 74  
462.5375 - 462.7375 MHz Part 95  
467.5375 - 467.7375 MHz Part 95

Sincerely,

Hany Shenouda  
Director of Engineering  
Microhard Systems Inc.