



To: Federal Communications Commission (OET)  
7435 Oakland Mills Road  
Columbia, MD 21046 CC

From: Nextwave Wireless  
3611 Valley Centre Drive  
San Diego, CA 92130

Subject: Equipment Authorization for FCC ID: WKH-BMX-SPT

To Whom It May Concern:

This application for equipment authorization is for a portable device that is to provide wireless internet access in the frequency band 2483.5 – 2495 MHz which was formerly dedicated to the Globalstar satellite phone service. Nextwave is a maker of WiMax semiconductor chipsets which are used for wireless internet access in the “WiMax” frequency bands, typically between 2.3 GHz to 2.7 GHz or 3.3 GHz to 3.8 GHz. Availability of the frequency spectrum in the 2.4835 GHz to 2.495 GHz utilizing Globalstar’s Ancillary Terrestrial Component (ATC) authority has resulted in a combined effort between Nextwave Wireless, Open Range Communications, and Axonn Global Data Solutions. Open Range Communications plans to deploy the ATC network enabling wireless internet access in rural areas. Axonn manufactures a personal satellite tracker and rescue signal sending device using the Globalstar satellite network. Nextwave has integrated a WiMax chipset into an Axonn “SPOT” (satellite personal tracking) device, making the device a dual-use (a requirement for this spectrum) satellite personal tracker *and* WiMax wireless internet access modem. This device demonstrates that an ATC consumer product is complete and conforms to the Globalstar License Modification Order for ATC (File No. SAT-MOD-20080516-00106), issued October 31, 2008, allowing use of WiMax TDD devices in the ATC network.

The device for which certification is a new dual-use device including a WiMax transceiver in addition to the Globalstar transmitter of the Axonn SPOT device. The Axonn SPOT was previously certified under FCC ID: L2V-PT1. The two transmitters will not operate simultaneously. For WiMax use a special dual connector USB cable is required to connect this device to a personal computer due to the higher DC power requirements of the Nextwave WiMax chipset, expected to be lower in a future chipset, for this reason the dual-USB cable is permanently connected to the device classifying the WiMAX operation as a mobile device. The SPOT transmitter is however considered portable. RF Exposure reports for each transmitter are included in this application.

WiMax devices fall under 47 CFR Part 27, but this frequency falls under Part 25 ATC, so the application is for a Part 25 device. The test report submitted for the WiMAX device covers the technical requirements of Part 27 for WiMAX devices as well as the

applicable ATC rules from the October 31<sup>st</sup> Order. A better understanding of the frequency use is gained by reading this document, FCC order 08-98A1, found at [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/FCC-08-98A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-08-98A1.pdf)

Further we hereby attest to the fact that the device is also subject to the Class B Computer Peripheral requirements and is authorized under the Declaration of Conformity to comply with the FCC Part 15B Class B limits.

Sincerely,

Dan Laramie  
Nextwave Wireless Inc.  
858-480-0540