



**SPOTWAVE**

coverage made simple

February 16, 2006

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

Subject: Description of CU Model N° for the Spotcell 2500Xe System.

Dear Sir/Madam:

The Spotcell 2500Xe is dual band adaptive repeater in the PCS 1900MHz band and in the 800MHz Cellular band for in-building RF signal enhancements.

The system can be used in two modes:

Mode 1: Spotcell 2500Xe DU connected to the Spotcell 2500Xe CU.

Description: The Spotcell 2500Xe CU has active components. RF signals received from the DU via the coax cable are amplified by the CU in the downlink and RF signals received by the CU from wireless devices are amplified in the uplink.

Mode 2: Spotcell 2500Xe DU connected to the Spotcell 250Xe/250He CU.

Description: The Spotcell 250Xe/250He CU has **NO** active components. It consists of only a wide band antenna and bias-T circuitry to insert DC voltage to power up the DU.

250Xe CU is a marketing reference used by the sales personnel when the 250Xe/250He CU is used for the PCS 1900MHz and Cellular 800MHz bands. 250He CU is a marketing reference used by sales personnel when the CU is used only in the PCS 1900MHz band.

Summary CU Model N° :

- 2500Xe CU has active RF components and is used in both the PCS 1900MHz and Cellular 800MHz bands.
- 250Xe CU has **NO** RF components and is used in both the PCS 1900MHz and Cellular 800MHz bands. It is basically a passive antenna.
- 250He CU has **NO** RF components and is used in the PCS 1900MHz band only. It is basically a passive antenna.

Spotwave Wireless Inc.

1 Hines Road, Suite 204, Ottawa ON K2K 3C7 | Canada

Tel: (613) 591-1662 | Fax: (613) 591-8107 | [www.spotwave.com](http://www.spotwave.com)



Yours truly,

Steve Allen  
Director, Product Development

/yb

Encl. 1

Spotwave Wireless Inc.

1 Hines Road, Suite 204, Ottawa ON, K2K 3C7 Canada | Tel: (613) 591-1662 | Fax:  
(613) 591-8107 | [www.spotwave.com](http://www.spotwave.com)