

## **Exhibit A - Technical Report**

CI Wireless Inc.

EKO-19

FCC ID: NUW002EKO19

### **Applicant Name and Address**

The **CI Wireless Inc. EKO-19 PCS extender FCC ID: NUW002EKO19** covered under this application was designed, manufactured and assembled by CI Wireless, Inc. Their full name and mailing address is given below.

#### **CI WIRELESS, INC.**

1211 Ira E. Woods Ave./Hwy. 26

Grapevine, Texas 76051

### **Model Name**

The model name for the system covered under this application is: **EKO-19**. The EUT is comprised of a Hub unit and an associated Microcell unit. The **Hub/Microcell** model numbers will be:

For band A: EKO-1.9 MAX-XXXXXXX /.EKO-1.9 HAX-XXXXXXX.

For band B: EKO-1.9 MBX-XXXXXXX /.EKO-1.9 HAX-XXXXXXX.

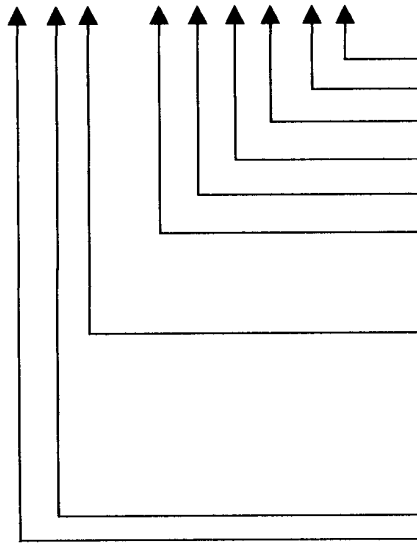
For band D: EKO-1.9 MDX-XXXXXXX /.EKO-1.9 HAX-XXXXXXX.

The exact model number for each EKO-19 is based on installed options. The options, however, do not have an impact on certification of the equipment. The index for model number generation is shown below:

## Model Number Identification

### Model Number Identification

Eko-1.9 X X X - X X X X X X



#### Option Designators (Include only quipped options)

Combiner 0 2 4

Wave Division Multiplex

Heater Option

Crossband Coupler Option

DC Standard/AC Power Option

Duplexer Option

#### Standard Nomenclature

Designator Number of Channels

1 Channelized One Channel

2 Channelized Two Channels

3 Channelized Three Channels

X Band Select

A thru F Band of Operation Designator

H - Hub Unit, M - Microcell (remote) Unit

## **Exhibit B - Expository Statement**

CI Wireless, Inc.

EKO-19

### **Description of Equipment**

The **CI Wireless Inc., EKO-19 PCS Extender/Enhancer** is comprised of a Hub unit and a Microcell unit. Detailed descriptions of each unit are given below:

#### **Hub Unit**

The Hub unit provides the hardware interface to the base station and the fiber optic cables that will transport the RF signals to the Microcell Units. The Hub will support up to 4 Microcell Units by installing additional Fiber Optic Transceivers. Each of these Microcell Units will be individually alarmed and controlled. The optical path to each of the Microcell Units may be up to 20 kilometers in length.

#### **Microcell Unit**

The Microcell Unit provides all of the electronic hardware to interface to the fiber optic cable and the required amplifiers to process the up link and down link RF signals. The up link and down link signals are duplexed to a single radiating antenna via a coaxial cable. Access to alarms and controls for the hub and other Microcell Units is available via the control module.

The product manual contains the following pertinent information

Sections 4.1 through 5.11:	Function of each active circuit device.
Sections 9.5 through 9.6.1: instructions	Tune-up procedure, see Set up system
Appendix B:	Model number nomenclature.

The range of operating power values are as follows:

CDMA	1RF Carrier	*2 watts
	2 RF Carriers	1 watt/channel
	3 RF Carriers	.5 watts/channel
GSM	1 RF Carrier	*2 watts
	2 RF Carriers	1 watt/channel
	3 RF Carriers	.5 watts/channel
NADC	1 RF Carrier	*2 watts
	2 RF Carriers	.5 watts/channel
	4 RF Carriers	250 mw/channel
	8 RF Carriers	100 mw/channel

\* Denotes maximum power ratings