

**WLCN-CA FLASH CUT CROWN CASTLE SITE**

LICENSED DIRECTIONAL ANTENNA

DIGITAL SYSTEM

Latitude: 33-01-24 N

Longitude: 080-07-23 W

Channel: 18

Frequency: 497.0 MHz

ERP: 15.00 kW

Antenna HAAT: 82.15 m

Antenna AMSL Height: 97.2 m

Antenna AGL Height: 77.7 m

Site Elevation AMSL: 19.5 m

Horiz. Pattern: Directional

**WLCN-CA LIC SITE LIC ANTENNA**

ANALOG SYSTEM

BLTTL19970718JU

Latitude: 32-49-01 N

Longitude: 079-50-06 W

Channel: 18+

Frequency: 497.5 MHz

ERP: 37.80 kW

Antenna HAAT: 147.0 m

Antenna AMSL Height: 147.0 m

Antenna AGL Height: 142.0 m

Site Elevation AMSL: 5.0 m

Horiz. Pattern: Directional

**DIGITAL FLASH CUT COVERAGE MAP**

WLCN-CA CHANNEL 18

DIGITAL FLASH CUT AT CROWN CASTLE SITE  
USING LICENSED DIRECTIONAL ANTENNA SYSTEM

FIGURE 1

**FCC 51 DBU DIGITAL  
SERVICE CONTOUR****FCC 74 DBU ANALOG  
SERVICE CONTOUR**

WLCN-CA LIC SITE

**DIGITAL SERVICE CONTOUR**

Total Population Within Contour: 516,667

Total Housing Units Within Contour: 222,016

Total Area Within Contour: 2818.94 sq. km

**ANALOG SERVICE CONTOUR**

Total Population Within Contour: 268,780

Total Housing Units Within Contour: 127,901

Total Area Within Contour: 793.20 sq. km

Scale 1:1,000,000

0 20 40 60 km

Population Based On US Census Estimates 2005

Mullaney  
Engineering, Inc.  
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