



815 Connecticut Avenue, N.W., Suite 610  
Washington, D.C. 20006

8 October 2009

**WT Docket No. 06-136**

Office of the Secretary  
Federal Communications Commission  
The Portals  
445 Twelfth Street, S.W.  
12th Street Lobby, TW-A325  
Washington, DC 20554

RE: Post-Transition Notification - Clearwire Corporation  
Transition of the 2500-2690 MHz Band for BRS and EBS  
Transition Area: BTA Number 392: St. George, UT

Dear Ms. Dortch:

Clearwire Corporation ("Clearwire"), the designated Proponent for the market, hereby notifies the Commission, pursuant to Section 27.1235 of its Rules, that it has completed the Transition for BTA Number 392: St. George, UT.

As required by Section 21.1235, attached hereto are the following:

- **Exhibit 1** which contains a list of the licensees that have transitioned to the new band plan;  
and
- **Exhibit 2** listing each station in the MBS including
  - the station coordinates,
  - antenna make and model,
  - the horizontal and vertical pattern of the antenna,
  - the EIRP of the main lobe,
  - antenna orientation,
  - height of the antenna center of radiation,
  - transmitter output power, and
  - the line and combiner losses.

As required by Section Section 27.1235(c), a copy of the subject Post-Transition Notification is being served on all parties to the transition of this market as listed in **Exhibit 1**.

If you have any questions regarding this matter please contact Brandon Bullis, Director of Spectrum Development, at (202) 351-5021 or the undersigned at (202) 330-4011.

Sincerely,



Nadja Sodos-Wallace

cc: Joel Taubenblatt, Chief, Broadband Division, WTB  
John Schauble, Deputy Chief, Broadband Division, WTB  
Consuela Kearney, Industry Analyst, Broadband Division, WTB

**Exhibit 1**  
**List of Facilities That Have Been Transitioned**

The authorizations listed below have been transitioned by Clearwire to the frequencies assigned to them under §27.5(i)(2). In the case of authorizations for BRS channels 1 and/or 2 (identified by "M1" and "M2"), the Proponent has no responsibility for transitioning facilities operating on these channels. The post-transition frequency assignments for BRS channels 1 and 2 are being reserved for future accommodation of services licensed for these channels.

**BTA #392: St. George, UT**

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B392, American Wireless, Inc. DBA Sky-View Technologies	Channels: M1M2AE1E2E3E4F1F2F3F4 H1H2H3
WMI363, American Wireless, Inc. DBA Sky-View Technologies	Channels: F1F2F3F4
WMI367, American Wireless, Inc. DBA Sky-View Technologies	Channels: E1E2E3E4
WMI946, American Wireless, Inc. DBA Sky-View Technologies	Channels: M1
WMX673, American Wireless, Inc. DBA Sky-View Technologies	Channels: C1C2C3C4
WMX717, American Wireless, Inc. DBA Sky-View Technologies	Channels: A1A2A3A4
WNC742, Utah State University Extension Service	Channels: G1G2G3G4
WNC746, Community Educational Channel	Channels: D1D2D3D4
WNC817, Tuacahn Amphitheater and Center for the Arts	Channels: A1A2A3A4
WNC818, Dixie College	Channels: C1C2C3C4
WNC935, Washington County School District	Channels: B1B2B3B4
WNTJ366, American Wireless, Inc. DBA Sky-View Technologies	Channels: H1H2H3

## Exhibit 2

### List of Required Technical Parameters for Stations In The MBS

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## Clearwire

### BTA #392: St. George, UT

#### **B392, American Wireless, Inc. DBA Sky-View Technologies**

*Post-Transition MBS Parameters:*

MBS Channel E4: 2608.0 - 2614.0 MHz

MBS Channel F4: 2602.0 - 2608.0 MHz

*This licensee is not currently operating in the Mid-Band Segment.*

#### **WMI363, American Wireless, Inc. DBA Sky-View Technologies**

*Post-Transition MBS Parameters:*

MBS Channel F4: 2602.0 - 2608.0 MHz

Transmitting Site# 1: Webb Hill

Coordinates: 37- 3-48.0, 113-34-26.0

Elevation: 3143.0 feet ( 958.0 meters)

Antenna # 1: Make/Model: Andrew: HMD16HO, Gain: 14.0 dBi

Polarity: H, Beamwidth: 360.0 deg., Orientation: 0.0 deg., Beamtilt: 1.0 deg.

Channel(s): F4, EIRP: 28.0 dBw, TPO: 50 W, System Loss: 3.0 dB

Antenna Height AGL: 100.0 feet ( 30.5 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

Transmitting Site# 2: Toquerville

Coordinates: 37-17-22.0, 113-16-33.0

Elevation: 5229.6 feet ( 1594.0 meters)

Antenna # 1: Make/Model: C&E: 995-16/180V, Gain: 10.0 dBi

Polarity: V, Beamwidth: 180.0 deg., Orientation: 195.0 deg., Beamtilt: 2.0 deg.

Channel(s): F4, EIRP: 4.5 dBw, TPO: 0.5 W, System Loss: 2.5 dB

Antenna Height AGL: 80.1 feet ( 24.4 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

**Exhibit 2**

List of Required Technical Parameters for Stations In The MBS

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**Clearwire**

**BTA #392: St. George, UT**

**WMI367, American Wireless, Inc. DBA Sky-View Technologies**

*Post-Transition MBS Parameters:*

MBS Channel E4: 2608.0 - 2614.0 MHz

Transmitting Site# 1: Webb Hill

Coordinates: 37- 3-48.0, 113-34-26.0

Elevation: 3143.0 feet ( 958.0 meters)

Antenna # 1: Make/Model: Andrew: HMD16HO, Gain: 14.0 dBi

Polarity: H, Beamwidth: 360.0 deg., Orientation: 0.0 deg., Beamtilt: 1.0 deg.

Channel(s): E4, EIRP: 28.0 dBw, TPO: 50 W, System Loss: 3.0 dB

Antenna Height AGL: 100.0 feet ( 30.5 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

Transmitting Site# 2: Toquerville

Coordinates: 37-17-22.0, 113-16-33.0

Elevation: 5229.6 feet ( 1594.0 meters)

Antenna # 1: Make/Model: C&E: 995-16/180V, Gain: 10.0 dBi

Polarity: V, Beamwidth: 180.0 deg., Orientation: 195.0 deg., Beamtilt: 2.0 deg.

Channel(s): E4, EIRP: 4.5 dBw, TPO: 0.5 W, System Loss: 2.5 dB

Antenna Height AGL: 80.1 feet ( 24.4 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

**WMI946, American Wireless, Inc. DBA Sky-View Technologies**

*Post-Transition MBS Parameters:*

This license does not include MBS channels.

**WMX673, American Wireless, Inc. DBA Sky-View Technologies**

*Post-Transition MBS Parameters:*

MBS Channel C4: 2584.0 - 2590.0 MHz

*This licensee is not currently operating in the Mid-Band Segment.*

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**Clearwire**

**BTA #392: St. George, UT**

**WMX717, American Wireless, Inc. DBA Sky-View Technologies**

*Post-Transition MBS Parameters:*

MBS Channel A4: 2572.0 - 2578.0 MHz

*This licensee is not currently operating in the Mid-Band Segment.*

**WNC742, Utah State University Extension Service**

*Post-Transition MBS Parameters:*

MBS Channel G4: 2596.0 - 2602.0 MHz

Transmitting Site# 1: Webb Hill

Coordinates: 37- 3-48.0, 113-34-26.0

Elevation: 3143.0 feet ( 958.0 meters)

Antenna # 1: Make/Model: Andrew: HMD16HO, Gain: 14.0 dBi

Polarity: H, Beamwidth: 360.0 deg., Orientation: 0.0 deg., Beamtilt: 1.0 deg.

Channel(s): G4, EIRP: 28.0 dBw, TPO: 50 W, System Loss: 3.0 dB

Antenna Height AGL: 100.0 feet ( 30.5 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

Transmitting Site# 2: Toquerville

Coordinates: 37-17-22.0, 113-16-33.0

Elevation: 5229.6 feet ( 1594.0 meters)

Antenna # 1: Make/Model: C&E: 995-16/180V, Gain: 10.0 dBi

Polarity: V, Beamwidth: 180.0 deg., Orientation: 195.0 deg., Beamtilt: 2.0 deg.

Channel(s): G4, EIRP: 4.5 dBw, TPO: 0.5 W, System Loss: 2.5 dB

Antenna Height AGL: 80.1 feet ( 24.4 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

## Exhibit 2

### List of Required Technical Parameters for Stations In The MBS

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## Clearwire

### BTA #392: St. George, UT

#### WNC746, Community Educational Channel

*Post-Transition MBS Parameters:*

MBS Channel D4: 2590.0 - 2596.0 MHz

Transmitting Site# 1: Webb Hill

Coordinates: 37- 3-48.0, 113-34-26.0

Elevation: 3143.0 feet ( 958.0 meters)

Antenna # 1: Make/Model: Andrew: HMD16HO, Gain: 14.0 dBi

Polarity: H, Beamwidth: 360.0 deg., Orientation: 0.0 deg., Beamtilt: 1.0 deg.

Channel(s): D4, EIRP: 28.0 dBw, TPO: 50 W, System Loss: 3.0 dB

Antenna Height AGL: 100.0 feet ( 30.5 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

Transmitting Site# 2: Toquerville

Coordinates: 37-17-22.0, 113-16-33.0

Elevation: 5229.6 feet ( 1594.0 meters)

Antenna # 1: Make/Model: C&E: 995-16/180V, Gain: 10.0 dBi

Polarity: V, Beamwidth: 180.0 deg., Orientation: 195.0 deg., Beamtilt: 2.0 deg.

Channel(s): D4, EIRP: 4.5 dBw, TPO: 0.5 W, System Loss: 2.5 dB

Antenna Height AGL: 80.1 feet ( 24.4 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

## Exhibit 2

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## Clearwire

### BTA #392: St. George, UT

#### WNC817, Tuacahn Amphitheater and Center for the Arts

##### Post-Transition MBS Parameters:

MBS Channel A4: 2572.0 - 2578.0 MHz

Transmitting Site# 1: Webb Hill

Coordinates: 37- 3-48.0, 113-34-26.0

Elevation: 3143.0 feet ( 958.0 meters)

Antenna # 1: Make/Model: Andrew: HMD16HO, Gain: 14.0 dBi

Polarity: H, Beamwidth: 360.0 deg., Orientation: 0.0 deg., Beamtilt: 1.0 deg.

Channel(s): A4, EIRP: 28.0 dBw, TPO: 50 W, System Loss: 3.0 dB

Antenna Height AGL: 100.0 feet ( 30.5 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

Transmitting Site# 2: Toquerville

Coordinates: 37-17-22.0, 113-16-33.0

Elevation: 5229.6 feet ( 1594.0 meters)

Antenna # 1: Make/Model: C&E: 995-16/180V, Gain: 10.0 dBi

Polarity: V, Beamwidth: 180.0 deg., Orientation: 195.0 deg., Beamtilt: 2.0 deg.

Channel(s): A4, EIRP: 4.5 dBw, TPO: 0.5 W, System Loss: 2.5 dB

Antenna Height AGL: 80.1 feet ( 24.4 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

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## Clearwire

### BTA #392: St. George, UT

#### WNC818, Dixie College

##### Post-Transition MBS Parameters:

MBS Channel C4: 2584.0 - 2590.0 MHz

Transmitting Site# 1: Webb Hill

Coordinates: 37- 3-48.0, 113-34-26.0

Elevation: 3143.0 feet ( 958.0 meters)

Antenna # 1: Make/Model: Andrew: HMD16HO, Gain: 14.0 dBi

Polarity: H, Beamwidth: 360.0 deg., Orientation: 0.0 deg., Beamtilt: 1.0 deg.

Channel(s): C4, EIRP: 28.0 dBw, TPO: 50 W, System Loss: 3.0 dB

Antenna Height AGL: 100.0 feet ( 30.5 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

Transmitting Site# 2: Toquerville

Coordinates: 37-17-22.0, 113-16-33.0

Elevation: 5229.6 feet ( 1594.0 meters)

Antenna # 1: Make/Model: C&E: 995-16/180V, Gain: 10.0 dBi

Polarity: V, Beamwidth: 180.0 deg., Orientation: 195.0 deg., Beamtilt: 2.0 deg.

Channel(s): C4, EIRP: 4.5 dBw, TPO: 0.5 W, System Loss: 2.5 dB

Antenna Height AGL: 80.1 feet ( 24.4 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

## Exhibit 2

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## Clearwire

### BTA #392: St. George, UT

#### **WNC935, Washington County School District**

##### *Post-Transition MBS Parameters:*

MBS Channel B4: 2578.0 - 2584.0 MHz

Transmitting Site# 1: Webb Hill

Coordinates: 37- 3-48.0, 113-34-26.0

Elevation: 3143.0 feet ( 958.0 meters)

Antenna # 1: Make/Model: Andrew: HMD16HO, Gain: 14.0 dBi

Polarity: H, Beamwidth: 360.0 deg., Orientation: 0.0 deg., Beamtilt: 1.0 deg.

Channel(s): B4, EIRP: 28.0 dBw, TPO: 50 W, System Loss: 3.0 dB

Antenna Height AGL: 100.0 feet ( 30.5 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

Transmitting Site# 2: Toquerville

Coordinates: 37-17-22.0, 113-16-33.0

Elevation: 5229.6 feet ( 1594.0 meters)

Antenna # 1: Make/Model: C&E: 995-16/180V, Gain: 10.0 dBi

Polarity: V, Beamwidth: 180.0 deg., Orientation: 195.0 deg., Beamtilt: 2.0 deg.

Channel(s): B4, EIRP: 4.5 dBw, TPO: 0.5 W, System Loss: 2.5 dB

Antenna Height AGL: 80.1 feet ( 24.4 meters)

Modulation, Antenna # 1: Digital Only. Emissions Designator(s): 6M00D7W

#### **WNTJ366, American Wireless, Inc. DBA Sky-View Technologies**

##### *Post-Transition MBS Parameters:*

This license does not include MBS channels.

### C&E 995-16/180V Antenna Information

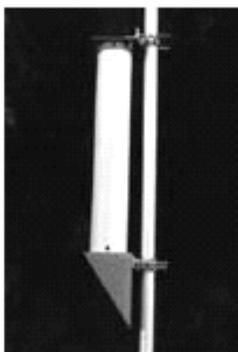
Data provided by the Manufacturer

[http://www.cefilter.com/products/display\\_product.asp?ProdID=151&CatID=2#](http://www.cefilter.com/products/display_product.asp?ProdID=151&CatID=2#)

#### SECTOR

**995-16/180V**

180.0° Az, 16.0° EI, Vertical



[View large image](#)

#### ELECTRICAL

##### SPECIFICATIONS:

Frequency Range:	2485-2690MHz
Gain:	10.0dBi
VSWR:	1.5:1 maximum
Front-to-Back Ratio:	15dB
Polarization:	V
Power Rating:	150 watts
H-Plane Beamwidth(-3dB):	180°
E-Plane Beamwidth(-3dB):	16°
Electrical Downtilt:	Factory adjusted to 0,2 or 4°
Cross-Polarization Discrimination:	20dB minimum
Impedance:	50ohms nominal
Termination:	Type N femal (7/16 jack optional)

#### MECHANICAL

##### SPECIFICATIONS:

Overall Length:	42 inches (1067 mm)
Radome Diameter:	6 inches (152 mm)
Weight Including Clamps:	16 lbs.(7.3 kg)
Rated Wind Velocity:	125 mph(200 km/hr)
Horizontal Thrust at Rated Wind:	71 lbs.(32.3 kg)
Mounting:	Mounts to a 1.75 - 4.0 inches O.D. (44.5 - 102 mm) pipe using the two TMC-102 clamps supplied.

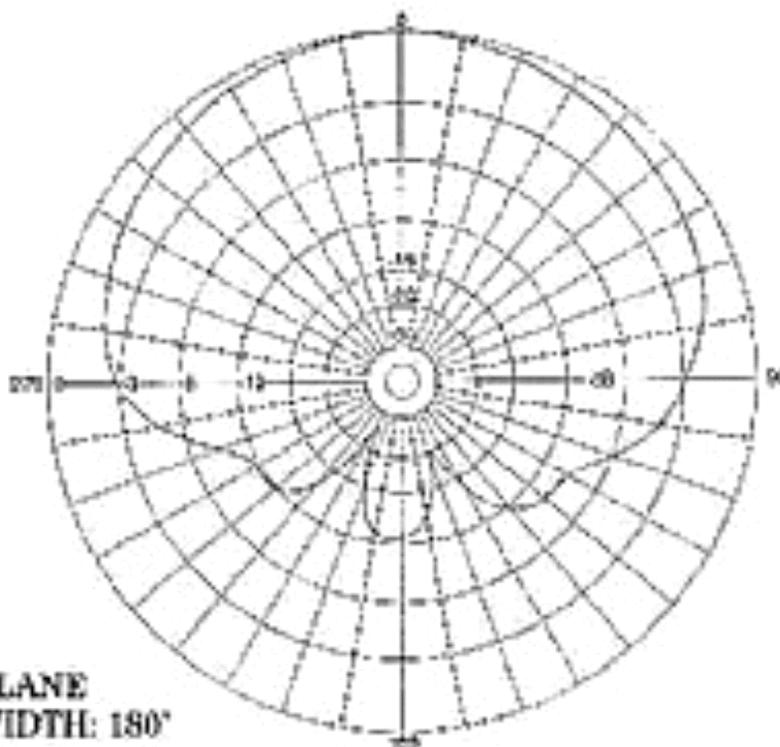
#### MATERIALS:

Radiating Elements:	Stainless steel
Reflectors:	Stainless steel
Radome:	White fiberglass
Base:	Irridited aluminum
Clamps:	Hot dip galvanized steel

C&E 995-16/180V Antenna Information

Data provided by the Manufacturer

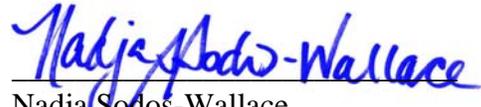
[http://www.cefilter.com/products/display\\_product.asp?ProdID=151&CatID=2#](http://www.cefilter.com/products/display_product.asp?ProdID=151&CatID=2#)



**AZIMUTH PLANE**  
**3dB BEAMWIDTH: 180°**

## Certification

Pursuant to Section 27.1235 of the Commission's Rules, Clearwire Corporation certifies that it has completed the transition of the St. George, UT Basic Trading Area, BTA #392.



Nadja Sodos-Wallace

Regulatory Counsel and Assistant Secretary