

Justification for Extension

Clearwire Spectrum Holdings III, LLC ("CSH"), the licensee of Experimental Special Temporary Authority WE9XJA in Los Angeles, California hereby requests a brief extension of time, until December 30, 2010 to continue the experimentation and development that the FCC previously authorized under WE9XJA. That authorization currently expires on October 16, 2010, but CSH has determined that additional time is necessary in order to complete the experiment and meet the initial goals as set forth in the initial application for WE9XJA (File Number 0149-EX-ST-2010). As described therein:

- a. The complete program of research and experimentation proposed including description of equipment and theory of operation

The radio product consists of the following:

Huawei model DBS3900: tower top radio unit

The purpose of the experimentation is to continue to validate the ability of the equipment to operate satisfactorily in the presence of collocated equipment operating on other frequencies, specifically equipment licensed to Sprint in the 1900 & 800 MHz bands. By "satisfactory operation" we mean that the equipment will neither cause degradation to the operation of the 1900 & 800 MHz equipment nor shall its functions be harmed by emissions from the 1900 & 800 MHz equipment collocated at the test sites. Ten sites were chosen, and continue to be used for this testing which are representative of the field environments wherein these products are proposed to be jointly deployed. Different RF distribution arrangements are being tested at each of the locations to validate satisfactory performance under all anticipated deployment scenarios.

System Operation

Clearwire's Remote Radio Head (RRH) units are designed to support a wireless broadband access network system optimized for mobility with data throughput speeds exceeding 1 Mbps. It is based on IEEE 802.16e specifications and designed for both business and residential users. The system consists of three main components:

1. A baseband unit (BBU) that resides at the base of the tower and conditions data from an IP network for transmission via the tower mounted radio heads (RRH.) This BBU also receives baseband data from the RRH and conditions it before sending it to the IP network.
2. The tower mounted radio heads that convert the baseband data from the BBU to RF in the 2496 to 2690 MHz band for transmission to remote consumer devices. These same radio heads receive RF data in the same frequency range from the

remote consumer devices and convert it to baseband which they send down the tower to the BBU.

3. A subscriber modem is installed at the end user's computer and provides wireless connection to the base station.

The base stations are a full functioning WiMAX base station designed for tower top mounting. Three units will be deployed at each location and configured to illuminate a 120° sector. The locations will be within coverage range of one another to allow traffic to be "handed-over" between sectors during testing.

The subscriber modem is built on the USB form factor and designed to easily interface with the end-user's computer. It consists of a transceiver and WiMAX chipset. It can be used for both outdoor and indoor usage.

The air-interface between the base station and the subscriber modem is IEEE 802.16 compliant. The modulation used is orthogonal frequency division multiplexing (OFDM). The signal BW is 10 MHz and the OFDM segments the BW into subcarriers. Each subcarrier is independently modulated using QPSK, 16QAM or 64QAM based on the measured RF channel quality.

The system is based on time division duplexing (TDD) and the downlink/uplink split is configurable in the system.

b. Specific objectives to be accomplished

Clearwire will continue to use the experimentation to:

1. Determine technical requirements necessary to facilitate development of RAN hardware for mobile communications sites.
2. Validate ability of collocated RAN hardware to operate in harsh, multi-band environment.
3. Ascertain the performance of WiMAX technology under conditions that closely resemble that of a real world operational mobile network.

c. How the program has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art or is along a line not already investigated

This experimentation will continue to allow Clearwire to identify any potential co-site interoperability issues related to shared installations with Sprint wireless services. WiMAX RF equipment will be sharing antenna platforms with Sprint. Knowledge gained through this testing will allow for improvements in efficiency of operations where structures can be reasonably collocated.

Please note that the previously obtained consent letters from potentially impacted 2.5 GHz licensees provide CSH with consent until December 30, 2010. For the convenience of the Commission, those letters are attached hereto.



Nadja S. Sodos-Wallace
Senior Regulatory Counsel, Assistant Secretary
1250 Eye Street, NW
Suite 901
Washington, DC 20005
(202)330-4011
www.clearwire.com

California State University, Los Angeles
5151 State University Drive
Los Angeles, CA 90032
Attention: Steven Garcia

Re: Consent to Temporary Use of EBS Spectrum in
Los Angeles, California in Advance of Commercial Launch

Dear Steven:

California State University, Los Angeles ("Licensee") is the license of EBS Station WHR463 in Los Angeles, California. That Station is leased, pursuant to a De-Facto Transfer Lease to NSAC, LLC, a wholly-owned subsidiary of Clearwire Corporation ("Clearwire"). Clearwire would like to temporarily use Channels A1 and A2 (the "Spectrum") from April 30, 2010 through December 30, 2010 pursuant to an Application for Experimental Authority to be filed with the Federal Communications Commission ("FCC") by another wholly-owned subsidiary of Clearwire, Clearwire Spectrum Holdings III, LLC

Through this use, Clearwire intends to validate the features and quantitatively measure performance of the 4G Radio Access Network infrastructure in a field and lab environment. It also intends to ascertain performance of WiMAX and 4G technology under various interference environs, as well as varying channel and loading conditions. Clearwire believes that this testing will ensure a better and more robust WiMAX and 4G service, thus, ensuring a better customer service, including with respect to educational services. Clearwire will also collaborate with Sprint on portions of the testing, and may provide Sprint certain independent rights to conduct testing. Although Clearwire is presently requesting your consent to the entire testing plan, to the extent that Sprint conducts independent testing, we will provide you with additional information regarding that process.

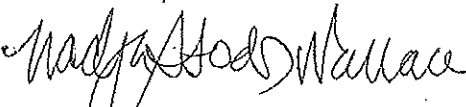
By its signature below, License consents to Clearwire's use of the Spectrum until December 30, 2010 under the terms and conditions set forth in this letter. Clearwire agrees to take all necessary steps to cause no interference to any current operations of EBS Station WHR463. There will be no commercial use of the spectrum pursuant to this experimental application. Licensee believes that its consent to this trial will benefit it and other EBS licensees. The parties acknowledge that this letter will be attached to the application for Experimental Authority to be filed by Clearwire with the FCC's Office of Engineering and Technology.



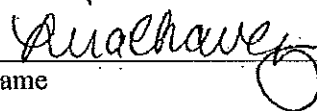
Nadja S. Sodos-Wallace
Senior Regulatory Counsel, Assistant Secretary
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Suite 901
Washington, DC 20005
(202) 330-4011
www.clearwire.com

If there are any further questions or would like to learn more about the trials, please contact Paul McCarthy at 847-993-9631 or paul.mccarthy@clearwire.com or the undersigned at (202) 330-4011 or at nadja.sodoswallace@clearwire.com

Sincerely,


Nadja S. Sodos-Wallace

Agreed to:
CALIFORNIA STATE UNIVERSITY, LOS ANGELES


Name

Interim Vice President for Administration and Chief Financial Officer
Title

March 22, 2010
Date



Nedja S. Spode-Wallace
Senior Regulatory Counsel, Assistant Secretary
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Pasadena Unified School District
351 South Hudson Avenue
Pasadena, California 91109
Attn Beth T. Leyden

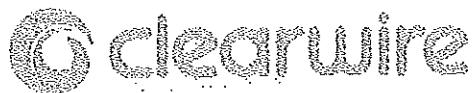
Re: Consent to Temporary Use of EBS Spectrum in
Los Angeles, California in Advance of Commercial Launch

Dear Beth:

Pasadena Unified School District ("Licensee") is the licensee of EBS Station WND632 in Los Angeles, California. That Station is leased, pursuant to a De Facto Transfer Lease to NSAC, LLC, a wholly-owned subsidiary of Clearwire Corporation ("Clearwire"). Clearwire would like to temporarily use Channels C1, C2 and C3 (the "Spectrum") from April 30, 2010 through December 30, 2010 pursuant to an Application for Experimental Authority to be filed with the Federal Communications Commission ("FCC") by another wholly-owned subsidiary of Clearwire, Clearwire Spectrum Holdings III, LLC.

Through this use, Clearwire intends to validate the features and quantitatively measure performance of the 4G Radio Access Network infrastructure in a field and lab environment. It also intends to ascertain performance of WiMAX and 4G technology under various interference environs, as well as varying channel and loading conditions. Clearwire believes that this testing will ensure a better and more robust WiMAX and 4G service, thus, ensuring a better customer service, including with respect to educational services. Clearwire will also collaborate with Sprint on portions of the testing, and may provide Sprint certain independent rights to conduct testing. Although Clearwire is presently requesting your consent to the entire testing plan, to the extent that Sprint conducts independent testing, we will provide you with additional information regarding that process.

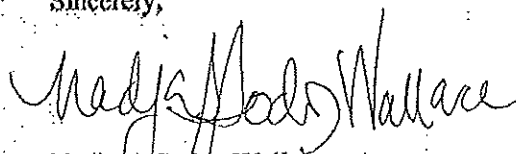
By its signature below, Licensee consents to Clearwire's use of the Spectrum until December 30, 2010 under the terms and conditions set forth in this letter. Clearwire agrees to take all necessary steps to cause no interference to any current operations of EBS Station WND632. There will be no commercial use of the spectrum pursuant to this experimental application. Licensee believes that its consent to this trial will benefit it and other EBS licensees. The parties acknowledge that this letter will be attached to the application for Experimental Authority to be filed by Clearwire with the FCC's Office of Engineering and Technology.



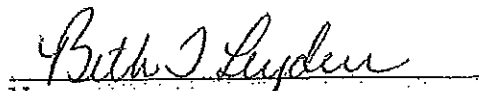
Nadja S. Sodos-Wallace
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If there are any further questions or would like to learn more about the trials, please contact Paul McCarthy at 847-993-9631 or paul.mccarthy@clearwire.com or the undersigned at (202) 330-4011 or at nadja.sodoswallace@clearwire.com

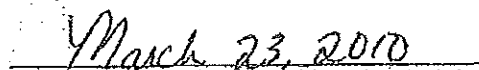
Sincerely,

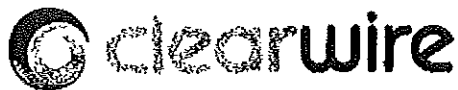

Nadja S. Sodos-Wallace

Agreed to:
PASADENA UNIFIED SCHOOL DISTRICT


Name


Title


Date



Nadja S. Sodos-Wallace
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March 12, 2010

Archdiocese of Los Angeles Education & Welfare Corporation
3424 Wilshire Boulevard
Los Angeles, California 90010
Attn David G. Moore

Re: Consent to Temporary Use of EBS Spectrum in
Los Angeles, California in Advance of Commercial Launch

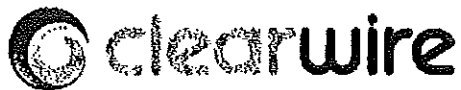
Dear Mr. Moore:

The Archdiocese of Los Angeles Education & Welfare Corporation ("Licensee") is the licensee of Educational Broadband Service ("EBS") station KSW92 in Los Angeles, California (the "Station"). The Station is leased, pursuant to a Long Term *De Facto* Transfer Lease Agreement (the "Agreement"), to Clearwire Spectrum Holdings II, LLC, a wholly-owned subsidiary of Clearwire Corporation ("CSH II"). CSH II would like to temporarily permit another wholly-owned subsidiary of Clearwire Corporation, Clearwire Spectrum Holdings III, LLC ("CSH III") to use channels D3 and D4 associated with the Station (the "Spectrum") from April 30, 2010 through December 30, 2010 pursuant to an Application for Experimental Authority to be filed by CSH III with the Federal Communications Commission ("FCC").

The purpose of the application is to permit CSH III to validate the features and quantitatively measure performance of the 4G Radio Access Network infrastructure in a field and lab environment. It also intends to ascertain performance of WiMAX and 4G technology under various interference environs, as well as varying channel and loading conditions. We believe that this testing will ensure a better and more robust WiMAX and 4G service, thus, ensuring better commercial and educational use of the Spectrum.

By its signature below, Licensee consents to CSH III's use of the Spectrum for the purposes described in this letter subject to the following conditions: (1) CSH III will provide Licensee with a copy of the Application for Experimental Authority promptly after it is filed with the FCC; (2) CSH III will ensure that its use of the Spectrum is in compliance with all applicable FCC rules and policies; (3) CSH III will ensure that its use of the Spectrum does not cause interference to Licensee or any third party; (4) there shall be no commercial use of the Spectrum; and (5) if there is any conflict or inconsistency between the terms of this letter and the Agreement, the terms of the Agreement shall prevail.

Licensee acknowledges that this letter will be attached to the application for Experimental Authority to be filed by CSH III with the FCC's Office of Engineering and Technology.



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If there are any further questions or would like to learn more about the trials, please contact Paul McCarthy at 847-993-9631 or paul.mccarthy@clearwire.com or the undersigned at (202) 330-4011 or at nadja.sodoswallace@clearwire.com.

Sincerely,

Nadja S. Sodos-Wallace
On behalf of Clearwire Spectrum Holdings II, LLC

Agreed to:

ARCHDIOCESE OF LOS ANGELES EDUCATION & WELFARE CORPORATION

Sister Mary Elizabeth Galt
Second Vice President

3-23-10
Date

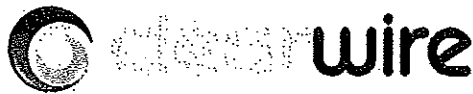
CLEARWIRE SPECTRUM HOLDINGS III, LLC

Name

Senior Regulatory Counsel, Assistant Secy

Title

3/11/10
Date



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California State Polytechnic University, Pomona
3801 W Temple Ave, T6-6
Pomona, CA 91768
Attention I & It Division

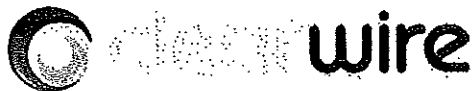
Re: Consent to Temporary Use of EBS Spectrum in
Los Angeles, California in Advance of Commercial Launch

To Whom It May Concern:

California State Polytechnic University, Pomona ("Licensee") is the licensee of EBS Station WHR505 in Los Angeles, California. That Station is leased, pursuant to a De Facto Transfer Lease to NSAC, LLC, a wholly-owned subsidiary of Clearwire Corporation ("Clearwire"). Clearwire would like to temporarily use Channels A2 and A3 (the "Spectrum") from April 30, 2010 through December 30, 2010 pursuant to an Application for Experimental Authority to be filed with the Federal Communications Commission ("FCC") by another wholly-owned subsidiary of Clearwire, Clearwire Spectrum Holdings III, LLC.

Through this use, Clearwire intends to validate the features and quantitatively measure performance of the 4G Radio Access Network infrastructure in a field and lab environment. It also intends to ascertain performance of WiMAX and 4G technology under various interference environs, as well as varying channel and loading conditions. Clearwire believes that this testing will ensure a better and more robust WiMAX and 4G service, thus, ensuring a better customer service, including with respect to educational services. Clearwire will also collaborate with Sprint on portions of the testing, and may provide Sprint certain independent rights to conduct testing. Although Clearwire is presently requesting your consent to the entire testing plan, to the extent that Sprint conducts independent testing, we will provide you with additional information regarding that process.

By its signature below, Licensee consents to Clearwire's use of the Spectrum until December 30, 2010 under the terms and conditions set forth in this letter. Clearwire agrees to take all necessary steps to cause no interference to any current operations of EBS Station WHR505. There will be no commercial use of the spectrum pursuant to this experimental application. Licensee believes that its consent to this trial will benefit it and other EBS licensees. The parties acknowledge that this letter will be attached to the application for Experimental Authority to be filed by Clearwire with the FCC's Office of Engineering and Technology.



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If there are any further questions or would like to learn more about the trials, please contact Paul McCarthy at 847-993-9631 or paul.mccarthy@clearwire.com or the undersigned at (202) 330-4011 or at nadja.sodoswallace@clearwire.com

Sincerely,

A handwritten signature in cursive script that reads 'Nadja S. Sodos-Wallace'.

Nadja S. Sodos-Wallace

Agreed to:

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

A handwritten signature in cursive script that reads 'Stephanie N. Doda'.

Name

STEPHANIE N. DODA
CHIEF INFORMATION OFFICER

Title

3/17/10

Date



Nadja S. Sodos-Wallace
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www.clearwire.com

April 1, 2010

University Of Southern California
3650 McClintock Ave., OHE 108, MC-1455
Los Angeles, CA 90089
Attn Mr. Binh Tran

Re: Consent to Temporary Use of EBS Spectrum in
Los Angeles, California in Advance of Commercial Launch

Dear Binh:

The University of Southern California ("Licensee") is the licensee of EBS Stations KWE33 and WLX482 in Los Angeles, California. Those Stations are leased, pursuant to De Facto Transfer Leases to NSAC, LLC, a wholly-owned subsidiary of Clearwire Corporation ("Clearwire"). Clearwire would like to temporarily use Channels B1, B2, B3 and B4 (KWE33 and D1 and D2 (WLX482) (the "Spectrum") from April 30, 2010 through December 30, 2010, pursuant to an Application for Experimental Authority to be filed with the Federal Communications Commission ("FCC") by another wholly-owned subsidiary of Clearwire, Clearwire Spectrum Holdings III, LLC

Through this use, Clearwire intends to validate the features and quantitatively measure performance of its 4G Radio Access Network infrastructure in a field and lab environment. It also intends to ascertain performance of WiMAX and 4G technology under various interference environs, as well as varying channel and loading conditions. Clearwire believes that this testing will ensure a better and more robust WiMAX and 4G service, thus, ensuring a better customer service, including with respect to educational services. Clearwire will also collaborate with Sprint on portions of the testing, and may provide Sprint certain independent rights to conduct testing, subject to the prior notification and approval of Licensee. Although Clearwire is presently requesting your consent to the entire testing plan, to the extent that Sprint conducts independent testing, we will provide you with additional information—in advance of that process.

By its signature below, Licensee consents to Clearwire's use of the Spectrum until December 30, 2010 under the terms and conditions set forth in this letter. Clearwire agrees to take all necessary steps to cause no interference to any current operations of EBS Stations KWE33 and WLX482, or to any other licensed communications facility. In the event of such interference, Clearwire will immediately terminate its testing until all such interference is rectified to Licensee's reasonable satisfaction. There will be no commercial use of the spectrum pursuant to this experimental application. Licensee believes that its consent to this trial will benefit it and other EBS licensees. The parties acknowledge that this letter will be attached to the application for Experimental Authority to be filed by Clearwire with the FCC's Office of Engineering and Technology.



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Sincerely,

A handwritten signature in cursive script that reads 'Nadja S. Sodos-Wallace'.

Nadja S. Sodos-Wallace

Agreed to:
UNIVERSITY OF SOUTHERN CALIFORNIA

A handwritten signature in cursive script that reads 'Todd R. Dickey'.

Name

Todd R. Dickey
Senior Vice President,
Administration

Title

3/31/10

Date