

# EDUCATIONAL BROADBAND SERVICE SPECTRUM INFORMATION MEMORANDUM:

TEMPLE & WACO, TEXAS  
OCTOBER 2015



820 Great Cumberland Road  
McLean, VA 22102

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## **INTRODUCTION**

Select Spectrum, on behalf of The Source for Learning, has prepared this Spectrum Information Memorandum "SIM". The Source for Learning holds two FCC Educational Broadband Service "EBS" spectrum licenses that are available for lease. This document provides a brief description of the opportunity along with relevant information. More information can be found on the FCC's Universal Licensing System<sup>1</sup> and Title 47 of the Code of Federal Regulations (CFR)<sup>2</sup>. Any interested party may also contact Select Spectrum and request more detailed information about The Source for Learning's spectrum licenses, uses or the planned Spectrum Lease Auction and subsequent leasing process.

## **PROCESS TIMING**

All bidders must sign a Bidder Agreement by October 22, 2015. All bids must be submitted electronically on a Standard Bid Form by 11:00 PM EST on Thursday, November 5, 2015. Should it become necessary to extend either of these dates, Select Spectrum will post notices on its website auction information page <http://selectspectrum.com/SLA.html>.

## **SPECTRUM LICENSE(S) AVAILABLE FOR LEASE**

The Source for Learning offering of its call signs, WLX486 and WLX490, for lease<sup>3</sup> presents an excellent opportunity for the following reasons:

- The Source for Learning is offering two geographically adjacent licenses that provide up to 22.5MHz overall capacity each and are compatible with Mobile "4G" technologies including WiMAX<sup>4</sup> and LTE<sup>5</sup> as well as with fixed wireless point-to-multipoint, point-to-point and video transmission systems.
- All regulatory and substantial service requirements have been met. An entity may lease the spectrum now for current or future use without any immediate requirement to build a network. WLX486 is valid until February 2022, while WLX 490 is valid until April 2022 when they may be easily renewed provided that their use remains consistent with FCC regulations.
- This EBS B Group license (WLX490) directly overlaps the Temple College EBS A Group license (WLX581) which is also available at Auction. Attachment 1 shows that a Bidder could achieve a total of 33 MHz contiguous + 12 MHz contiguous = 45 MHz total by

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<sup>1</sup> <http://wireless.fcc.gov/uls/index.htm?job=home>

<sup>2</sup> [http://www.ecfr.gov/cgi-bin/text-idx?sid=64f63e21c14d853c79afa96fd333ff3e&c=ecfr&tpl=/ecfrbrowse/Title47/47cfrv1\\_02.tpl](http://www.ecfr.gov/cgi-bin/text-idx?sid=64f63e21c14d853c79afa96fd333ff3e&c=ecfr&tpl=/ecfrbrowse/Title47/47cfrv1_02.tpl)

<sup>3</sup> The proposed lease must meet all FCC requirements including a maximum term not to exceed 30 years and the requirement that five percent of the capacity of the license must be reserved for educational use.

<sup>4</sup> WiMAX is the common name for Worldwide Interoperability for Microwave Access as governed by the WiMAX forum <http://wimaxforum.org>.

<sup>5</sup> LTE stands for Long Term Evolution and is a 4<sup>th</sup> generation standard developed by 3GPP for the mobile wireless industry including companies such as AT&T, Verizon, T-Mobile and Sprint.

leasing both the A and B groups in the Temple area. Such control would allow, for example, four 10 MHz carriers to be deployed from each tower inside the licensed area.

Channel, Population, Market Name and MHz POP information for the Licenses is in the table below<sup>6</sup>.

Call Sign	Market (City / State)	MHz Avail.	POPs	Est. MHz POPs	Channels
WLX486	Waco, TX	22.5	299,436	6,737,310	B1, B2, B3, B4
WLX490	Temple, TX	22.5	472,714	10,636,065	B1, B2, B3, B4
<b>Total</b>		<b>22.5</b>	<b>772,150</b>	<b>17,373,375</b>	

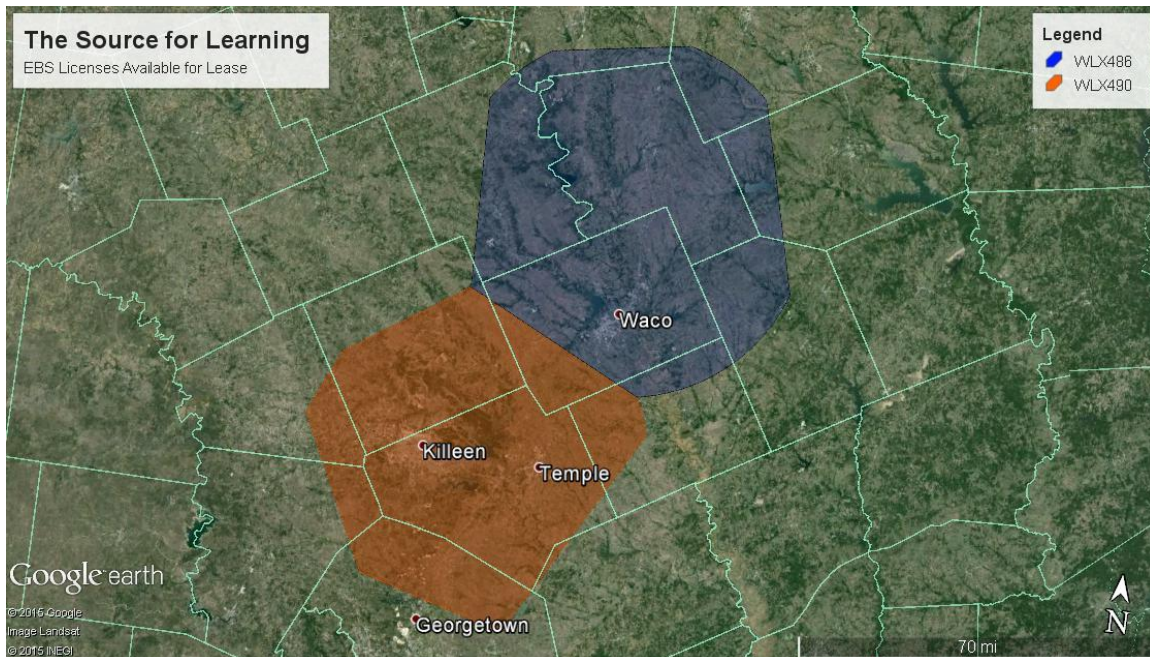
### **BASIC INFORMATION ABOUT THE TEMPLE & WACO, TEXAS AREA**

According to the US Census, Temple experienced more than a 20% population increase from 2000 to 2010, increasing from 54,514 in 2000 to 66,102 in 2010. This was largely due to the robust economy in Temple, which is primarily driven by Scott & White Memorial Hospital. The area's central location and proximity to major cities has also attracted distribution centers and telemarketing firms. Military personnel from Fort Hood, which is approximately 30 miles west of Temple, support the economy as well.

Waco, Texas is the midway point between Austin and Dallas and based on the 2010 US census had a population of 124,805, making it the 22<sup>nd</sup> most populated city in Texas. Two key sectors, education and health care along with manufacturing are the primary influences for Waco's economy<sup>7</sup>. Baylor University and the Waco Independent School District employ more than 5,000 people. Manufacturing is a growing industry for Waco, driven by the aerospace and defense sectors. In 2013, the median household income was \$32,650.

<sup>6</sup> Select Spectrum has prepared this document and believes the information presented to be reliable, but each interested party bears its own responsibility for verifying and evaluating all relevant information about the spectrum licenses. Neither Select Spectrum nor the School Board of Broward County makes any warranty about the information presented herein.

<sup>7</sup> <http://wacochamber.com/economic-development/key-industries/overview/>



## **ADDITIONAL INFORMATION ABOUT THE LICENSE AND LICENSE HOLDERS OBJECTIVES**

- There is not a current lease in effect.
- The license holder has indicated that there is not a Right of First Refusal (“ROFR”) in effect which would allow the prior lessee the option to match a new offer.
- The license holder seeks to maximize
  - total financial lease net present value
  - total payments over the term of the lease
  - financial capability of its lessee

## **BID PROCESS DESCRIPTION**

Approved Bidders will first download the Standard Spectrum Lease Auction Bid Form from <http://selectspectrum.com/SLA.html>. All required entries are marked with an asterisk on the Form. Other responses are optional. Bidders may submit more than one bid for each lease or license, for example one lease bid might be heavily weighted toward an upfront payment while another might show significant a lower upfront payment with increases in monthly royalties during the term of the lease.

A Frequently Asked Question Document about the process is also available at <http://selectspectrum.com/SLA.html>

**CONTACT FOR QUESTIONS OR ADDITIONAL INFORMATION**

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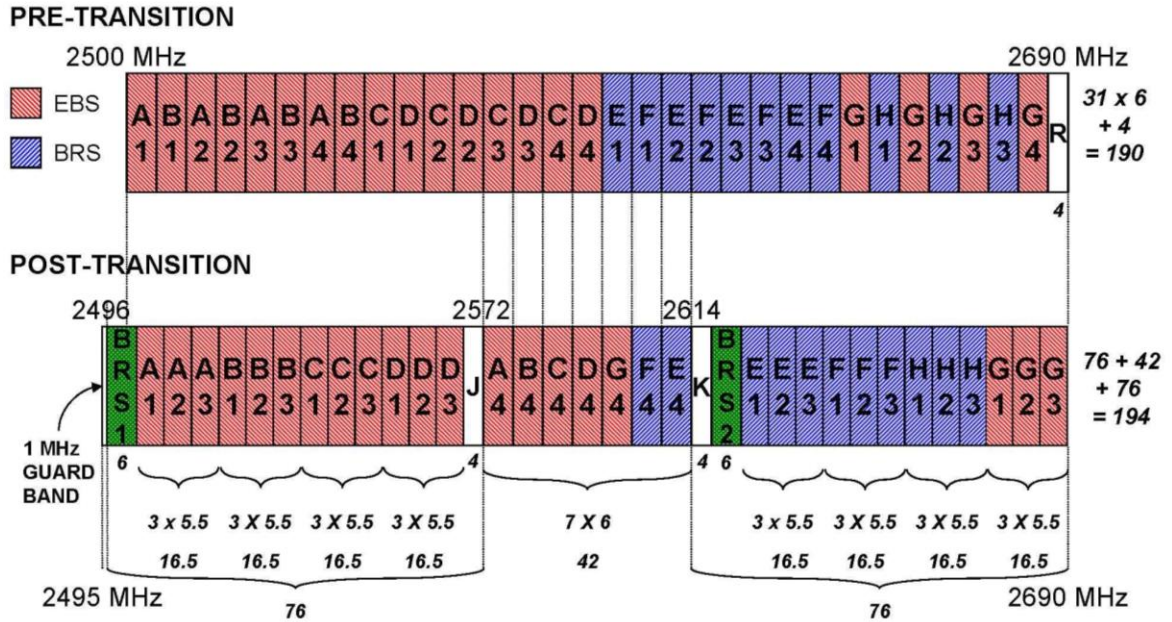
443 310 2324

<http://selectspectrum.com/home.html>



**Attachment 1 – FCC 2.5 GHz Band Plan**

**BRS-EBS BAND PLANS: PRE-TRANSITION AT 2500–2690 MHz  
& POST-TRANSITION AT 2495–2690 MHz**



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Note the A and B groups are adjacent, so a combination of A and B groups provides:

- 33 MHz contiguous from 2502 MHz to 2535 MHz.
- 12 MHz contiguous from 2572 MHz to 2584 MHz.
- A total of 45 MHz.