

<u>FAA Study Number</u>	<u>Registration No.</u>	<u>File Number</u>	<u>FRN:</u>	<u>Individual Name</u>	<u>Phone Number</u>
<u>ET Name</u>		<u>Latitude</u>	<u>Longitude</u>		
<u>City, State</u>	<u>Tip - AGL</u>	<u>Structure - AGL</u>	<u>Elevation</u>		<u>Structure Type</u>
<u>Tip - AMSL</u>	<u>Date of FAA Determination</u>	<u>FAA Circular #</u>	<u>FAA EMI Flag</u>		<u>Current/Archive</u>
<u>Date FCC Issued</u>		<u>Content Indicator</u>	<u>App Purpose</u>	<u>Status</u>	<u>Construct Date</u>
<u>Painting & Lighting</u>					
97-AGL-4352-OE	1035301	A0820196	0014350276		
O SpectraSite Communications, LLC. through American Towers, LLC.					(770)308-1990
NEW HOPE, MN		N 45° 01' 24.0"	W 93° 22' 54.0"		
		NAD-27 45° 01' 24.1"	93° 22' 53.2"		
365.8 m / 1,200 ft	95.1 m / 312 ft	94.2 m / 309 ft	270.7 m / 888 ft		3TA1
01/16/2013	10/03/1997	70/7460-1J	N		Current
FAA Chapte 3, 4, 5, 13		REG	Ownership	Constructed	11/21/1961
Array Center: N 45° 1' 25.0" W 93° 22' 59.0"					
Structure Address:	TWR 1 7980 36TH AVENUE NORTH		NEW HOPE	MN	
Owner Address:	10 Presidential Way		Woburn	MA 01801-	

**New AM-FM Translator - Ch. 285 (104.9 MHz)
Facility ID: 200135**

This page provides the technical details associated with proposed site. This is also the existing #1 tower of the proposed primary, KFXN **AM-690** 0.5 kW-DA using 3 towers and of KQGO-242C3

The translator antenna will be side mounted on the existing registered tower 3TA1 - ASR: 1035301 which has a Tip height of 95.1 m (312') AGL or 365.8 m (1,200') AMSL.

The 2 bay Full-Wave FM antenna is an **EPA Type 1** will have a center of radiation will be at 70.0 m (230') AGL or at 341 m (1,119') AMSL. The ERP will be 0.25 kW-DA.

The attached FM Translator Overlap Study, **Fig 2**, indicates that one 1st Adjacent station has the potential of contour overlap being Caused To WWVX-286A. However, **Fig 2A** demonstrates that using the Directional Antenna Pattern (**Fig 2B**) this proposal does Not Cause interference since no overlap results.

Fig 3 illustrates the translator 60 dBu is within the larger of 25 miles or the WWGP AM 2.0 mV/m contour.

Fig 4 is an RF Exposure plot that demonstrates that at 2 m AGL, the proposed power density is less well less than 1% of the uncontrolled limit.

Proposal is Categorically Excluded from further analysis.
AM is surrounded by a Locked Fence with RF Warning Signs.



**Figure 1 - Proposed Engineering
New AM-FM Translator - Ch. 285**

KFXN AM-690 Class D - Minneapolis, MN - November 2017