

Engineering Statement

in support of

FCC Form 350

December, 2016

K268DA

Memphis, TN

licensed to:

First Ventures Capital Partners, Inc.

prepared by:

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Table of Contents:

Narrative Statement

Page 2

System power calculations

Page 3

Narrative Statement

Overview: First Ventures Capital Partners, Inc, licensee of K269EN, Monticello, Arkansas, holds Construction Permit # BPFT-20160129ADF, which authorizes it to move the channel from 269 (101.7 MHz) to 268 (101.5 MHz), move the city of license to Memphis, TN, change the callsign to K268DA, and move the location to the WUMY transmitter site in West Memphis, AR. The new facility has been completed and this Engineering Statement is being filed in support of FCC Form 350, application for license to cover for K268DA.

Description of installation: The one-bay translator antenna is side-mounted on Tower 2 of the WUMY directional array at 68 meters AGL, and was installed, along with the needed parasitic element, according to the instructions sent by its manufacturer so that the directional pattern specified in the Construction Permit would be generated. Its coax cable crosses the tower's base insulator using a Kintronic Labs isocoupler. The translator antenna installation is in accordance with the terms of the construction permit in all respects.

Special operating condition 1: First Ventures Capital Partners, Inc, agrees to rebroadcast the programming of the primary station identified in the CP (WUMY) for the specified period of four years of on-air operations, and to abide by the other associated stipulations in condition 1.

Special operating condition 2: Measurements of base impedance for the WUMY array have been made, and it was determined that the antenna did change the tower's base impedance enough to require a new moment method model and proof. This proof has been completed, new operating parameters have been calculated and established for WUMY, and an application for new parameters for WUMY is being filed concurrent with the instant application. This fulfills the requirements of special condition 2.

Special operating condition 3: First Ventures Capital Partners, Inc, will wait to commence program test operations until the instant application has been filed, thus fulfilling this condition.

Special operating condition 4: First Ventures Capital Partners, Inc, agrees, in coordination with other site users, to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF fields in excess of FCC guidelines.

Conclusions: The translator installation on the WUMY array has been competently completed, and the special operating conditions on the CP have been complied with. The instant application has been carefully prepared in all particulars and should be granted.

Respectfully Submitted,



George Michael Patton
Michael Patton & Associates
December 9, 2016

Translator installation Technical Data

<u>Parameter/item:</u>	<u>Value:</u>
Antenna Height (AGL):	68 meters
Antenna Make and Model:	Propagation Systems PSIFMLE-1A
Antenna Polarization:	Circular
Antenna power gain:	0.59
Coax type:	Commscope AVA5-50
Coax length:	91 meters
Coax loss:	-1.03 dB (0.789)
Iso-coupler and connector losses:	-0.3 dB (0.933)
Transmitter power output:	576 Watts
Effective Radiated Power: (TPO x coax loss x coupler/connector loss x antenna gain) (576 x 0.789 x 0.933 x 0.59)	250 Watts