

BENJAMIN F. DAWSON III, PE  
THOMAS M. ECKELS, PE  
STEPHEN S. LOCKWOOD, PE  
DAVID J. PINION, PE  
ERIK C. SWANSON, PE

THOMAS S. GORTON, PE  
MICHAEL H. MEHIGAN, PE

HATFIELD & DAWSON  
CONSULTING ELECTRICAL ENGINEERS  
9500 GREENWOOD AVE. N.  
SEATTLE, WASHINGTON 98103

TELEPHONE (206) 783-9151  
FACSIMILE (206) 789-9834  
E-MAIL [hatdaw@hatdaw.com](mailto:hatdaw@hatdaw.com)

JAMES B. HATFIELD, PE  
CONSULTANT

MAURY L. HATFIELD, PE  
(1942-2009)  
PAUL W. LEONARD, PE  
(1925-2011)

## **MULTIPLE OWNERSHIP SERVICE CONTOUR ANALYSIS**

**Prepared for**  
**Texarkana Radio Center Licenses, LLC**  
**Jo-Al Broadcasting, Inc.**  
**July 2016**

The attached analysis of compliance with the radio multiple ownership rules was prepared in accordance with the Rules and Regulations of the Federal Communications Commission, in connection with applications for transfer of control of Texarkana Radio Center Licenses, LLC. ("TRCL") and Jo-Al Broadcasting, Inc. ("Jo-Al"). These entities are under common ownership.

TRCL and Jo-Al are the licensees of several radio broadcast stations licensed in the vicinity of Texarkana:

<b>Texarkana</b>	
KCMC 940 kHz Texarkana TX	Texarkana Radio Center Licenses
KTFS 740 kHz Texarkana TX	Texarkana Radio Center Licenses
KTTY 286A New Boston TX	Texarkana Radio Center Licenses
KBYB 269C2 Hope AR	Texarkana Radio Center Licenses
KTFS-FM 296A Texarkana AR	Texarkana Radio Center Licenses
KTOY 284A Texarkana AR	Jo-Al Broadcasting

### **Rated Market Study**

These stations operate within the Nielsen-rated Texarkana market. In order to qualify for common ownership of this 2AM/4FM cluster, there must be at least 15 stations in the relevant "market". The applicant has determined that BIA reports that the market contains at least 22 radio stations, which is more than sufficient to satisfy the requirements of the Commission's local radio ownership rules.

## **Unrated Market Study**

As can be seen on the attached overview map, the community of license for KBYB (Hope, Arkansas) is located outside of the two counties (Bowie County, TX and Miller County, AR) which comprise the Nielsen-rated Texarkana market. Therefore an additional study has been performed in order to demonstrate compliance with the Commission's interim rules for unrated markets. This study excludes KTTY from the cluster being studied, since that station does not have principal community contour overlap with KBYB.

Analysis has been made consistent with the Commission's interim rules for unrated markets. The 70 dBu contours of FM stations were determined from the technical data contained in the most recent edition of the FCC FM Database. The listed antenna height above average terrain was used together with topographic data obtained from the digitized 30 second or 3 second database. The 5 mV/m daytime contours of AM stations were determined from the technical data contained in the most recent edition of the FCC AM Database. The listed antenna parameter information was used together with a digitized version of the FCC M-3 or Region II ground conductivity database.

The service contours were plotted using correct map projection mathematics. Those stations whose transmitter sites are within the respective principal community service contours of the stations proposed to be commonly owned have only the sites rather than their contours shown. All contours and enclosed transmitter site locations have been labeled.

In counting stations providing service to the "market" defined by each of the discrete clusters formed in unrated markets, stations whose transmitter sites are located in excess of 92 km from the perimeter of the common overlap area have been excluded, as have other stations to be commonly-owned but which are not a part of the discrete cluster being studied.

### **Cluster A: KCMC(AM), KTFS(AM), KBYB(FM), KTOY(FM), KTFS-FM**

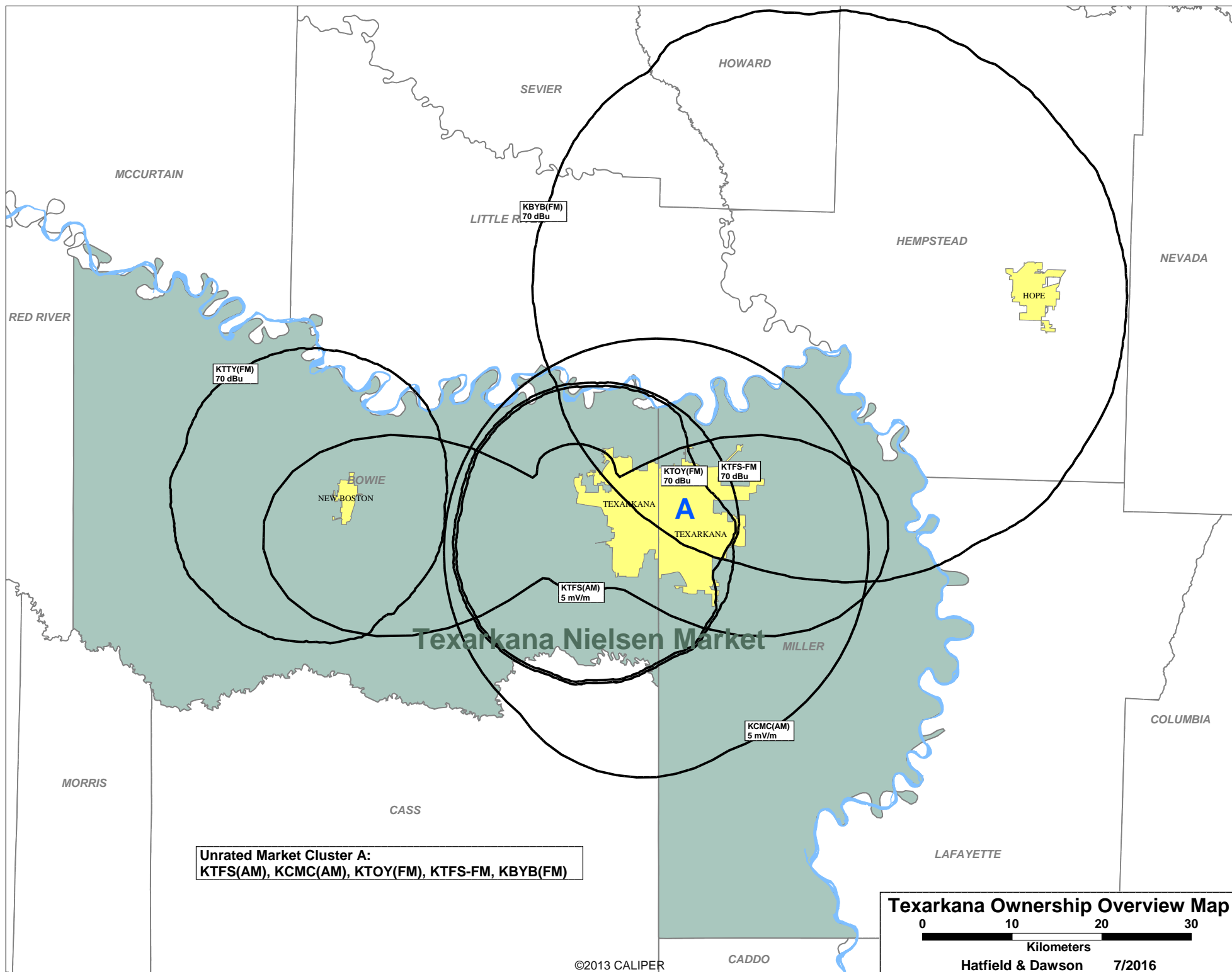
This exhibit evidences at least the minimum number of stations necessary to demonstrate compliance with the rules concerning radio multiple ownership in unrated markets. In order to qualify for common ownership of this 2AM/3FM cluster, there must be at least 10 stations in the

relevant “market”. This study demonstrates that there are at least 23 stations in the relevant market.

July 15, 2016

A handwritten signature in black ink, appearing to read "Erik C. Swanson". The signature is fluid and cursive, with the first name "Erik" and last name "Swanson" clearly distinguishable.

Erik C. Swanson



# Stations in the Market

KBHC LIC 1260 NASHVILLE  
 KBYB LIC 269C2 HOPE  
 KCMC LIC 940 TEXARKANA  
 KEWL LIC 236C3 NEW BOSTON  
 KHTA LIC 223C3 WAKE VILLAGE  
 KKLT LIC 207C2 TEXARKANA  
 KGTK LIC 1400 TEXARKANA  
 KKYR LIC 273C1 TEXARKANA  
 KLBW LIC 1530 NEW BOSTON  
 KMJI LIC 227C3 ASHDOWN  
 KNLL LIC 213C1 NASHVILLE  
 KNRB LIC 261C2 ATLANTA  
 KOSY LIC 790 TEXARKANA  
 KPGG LIC 280A ASHDOWN  
 KPOS LIC 282A FOUKE  
 KPWW LIC 240C3 HOOKS  
 KTFS-FM LIC 296A TEXARKANA  
 KTFS LIC 740 TEXARKANA  
 KTOY LIC 284A TEXARKANA  
 KTRG LIC 231A HOOKS  
 KTXK LIC 218C1 TEXARKANA  
 KXAR LIC 1490 HOPE  
 KYGL LIC 292C2 TEXARKANA

