

STEPHEN S. LOCKWOOD, PE, PMP

THOMAS M. ECKELS, PE  
THOMAS S. GORTON, PE

JAMES B. HATFIELD, PE  
BENJAMIN F. DAWSON III, PE  
ERIK C. SWANSON, PE, PMP  
DAVID J. PINION, PE  
STEPHEN PUMPLE, M.Eng, MBA, PMP  
CONSULTANTS

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

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

## MULTIPLE OWNERSHIP SERVICE CONTOUR ANALYSIS

Prepared for  
Cochise Media Licenses, LLC  
August 2022

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 an application for modification of FM station KPSA-FM to be licensed at Mescal, Arizona.

### Unrated Market

Mescal is located in Cochise County, and is not located within any Nielsen rated market. Analysis has been made consistent with the Commission's interim rules for unrated markets, taking into account all attributable stations in the area. As depicted on the attached overview map, the only attributable stations with which KPSA-FM has principal community contour overlap are:

KCDQ(FM)	237CØ	Tombstone	(CP)
KKYZ	269C1	Huachuca City	(CP)
KXZK	283C3	Vail	(CP)

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 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. A list of all stations considered is included with this statement.

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.

This exhibit evidences at least the minimum number of stations necessary to demonstrate compliance with the rules concerning radio multiple ownership in unrated markets for each of the discrete clusters studied. There is one cluster formed.

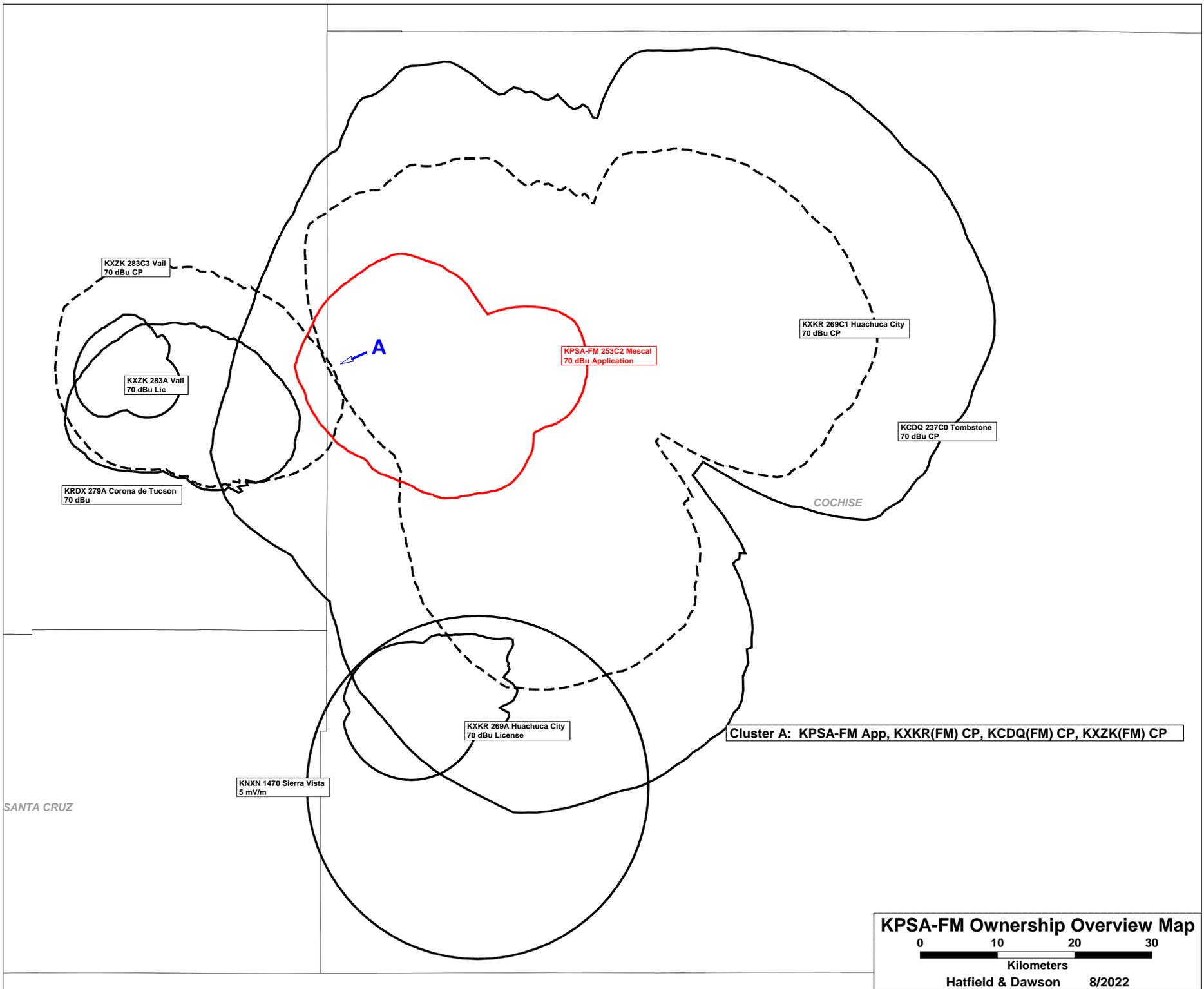
**Cluster A: KPSA-FM App, KKYZ(FM) CP, KCDQ(FM) CP, KXZK(FM) CP**

In order to qualify for common ownership of this 0AM/4FM cluster, there must be at least 15 stations in the relevant “market”. This study demonstrates that there are at least 20 stations in the relevant market. (In fact there are numerous other stations in the relevant market.)

August 2, 2022

A handwritten signature in black ink, appearing to read "Erik C. Swanson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Erik C. Swanson



**Cluster A: KPSA-FM App, KXKR(FM) CP, KCDQ(FM) CP, KXZK(FM) CP**

**KPSA-FM Ownership Overview Map**

0 10 20 30  
 Kilometers  
 Hatfield & Dawson 8/2022

