

KJZZ (FM) CHANNEL 218C, FACILITY ID 40095  
KBAQ (FM) CHANNEL 208C1, FACILITY ID 40096  
License Modification Application to Correct Coordinates  
Phoenix, AZ

December, 2018

**TECHNICAL STATEMENT**

This Technical Statement and attached exhibits were prepared on behalf of Maricopa County Community College District/ Arizona State University, Licensee of FM radio stations KJZZ, Channel 218C and KBAQ, Channel 208C1 in support of a minor license modification to reflect the correct coordinates for the two collocated above referenced stations. Because the modification is less than 3 seconds latitude and/or longitude it is appropriate to make the modification on a form 302.

A recent survey verified the correct coordinates as reflected in Antenna Structure Registration 1298920 (Attached as Exhibit A). A calculation to verify conversion of the ASR NAD83 coordinates to NAD27 (Exhibit B) revealed that there is a one second error in the latitude on the license for both KJZZ and KBAQ.

The licensed and actual coordinates are as follow:

ASR 1298920  
NAD83

33° 19' 57.4" N Latitude    112° 03' 55.2" W Longitude

NAD27 (NADCON Conversion from ASR)

33° 19' 57.2" N Latitude    112° 03' 52.7" W Longitude

NAD27 (from KJZZ, KBAQ Current License)

33° 19' 58" N Latitude    112° 03' 53" W Longitude

The difference is 0.8 seconds Latitude and 0.3 seconds Longitude.

## EXHIBIT A

### Registration 1298920

✦ [Map Registration](#)

#### Registration Detail

|             |          |             |            |
|-------------|----------|-------------|------------|
| Reg Number  | 1298920  | Status      | Granted    |
| File Number | A1100136 | Constructed | 09/01/2017 |
| EMI         | No       | Dismantled  |            |
| NEPA        |          |             |            |

#### Antenna Structure

|  |                            |                            |  |
|--|----------------------------|----------------------------|--|
| Structure Type                         | LTOWER - Lattice Tower     |                            |  |
| <b>Location</b> (in NAD83 Coordinates) |                            |                            |  |
| Lat/Long                               | 33-19-57.4 N 112-03-55.2 W | Address                    | Road B, Off of TV Road, South Mountain |
| City, State                            | Phoenix , AZ               |                            |  |
| Zip                                    | 85048                      | County                     | MARICOPA                               |
| Center of AM Array                     |                            | Position of Tower in Array |  |

#### Heights (meters)

|  |   |
|--|---|
| Elevation of Site Above Mean Sea Level | Overall Height Above Ground (AGL)             |
| 797.0                                  | 74.1  |
| Overall Height Above Mean Sea Level    | Overall Height Above Ground w/o Appurtenances |
| 871.1                                  | 74.1  |

#### Painting and Lighting Specifications

FCC Paragraphs 1, 3, 11, 21

#### FAA Notification

|           |               |                |            |
|-----------|---------------|----------------|------------|
| FAA Study | 86-AWP-834-OE | FAA Issue Date | 09/08/1986 |
|-----------|---------------|----------------|------------|

#### Owner & Contact Information

|     |            |                   |   |
|-----|------------|-------------------|---|
| FRN | 0007919947 | Owner Entity Type | Other - Maricopa Community College District |
|-----|------------|-------------------|---|

#### Owner

Maricopa Community College District KJZZ FM KBAQ FM  
2323 West 14th Street  
Tempe , AZ 85281

P: (480)774-8227  
F:  
E: [engineering@rioradio.org](mailto:engineering@rioradio.org)

#### Contact

Hogan , Ralph  
2323 W 14th Street  
Tempe , AZ 85281

P: (480)774-8227  
F:  
E: [engineering@rioradio.org](mailto:engineering@rioradio.org)

#### Last Action Status

|         |              |          |            |
|---------|--------------|----------|------------|
| Status  | Granted      | Received | 03/22/2018 |
| Purpose | Modification | Entered  | 03/22/2018 |
| Mode    | Interactive  |          |            |

#### Related Applications

|            |                              |
|------------|------------------------------|
| 03/22/2018 | A1100136 - Modification (MD) |
| 03/22/2018 | A1100135 - Notification (NT) |
| 04/01/2016 | A1003452 - Replacement (RE)  |

#### Comments

##### Comments

None

#### History

| Date       | Event                 |
|------------|-----------------------|
| 03/24/2018 | Registration Printed  |
| 03/23/2018 | Modification Received |

EXHIBIT B

## Output from NADCON for station

North American Datum Conversion

NAD 83 to NAD 27

NADCON Program Version 2.11

=====

Transformation #: 1      Region: Conus

|                               | Latitude       | Longitude        |
|-------------------------------|----------------|------------------|
| NAD 27 datum values:          | 33 19 57.23252 | 112 03 52.67220  |
| NAD 83 datum values:          | 33 19 57.40000 | 112 03 55.20000  |
| NAD 27 - NAD 83 shift values: | -0.16748       | -2.52780(secs.)  |
|                               | -5.160         | -65.372 (meters) |
| Magnitude of total shift:     |                | 65.576(meters)   |



[NGS HOME PAGE](#)