**EXHIBIT 2**
**TECHNICAL CERTIFICATION**
**RE: THE BROADCAST FACILITY**

The Applicant seeks to update the directional antenna specifications for K09ZX-D. A detailed *TVStudy* analysis was performed to re-evaluate the authorized technical parameters based on the new directional antenna pattern, which is nearly the same as the authorized pattern, and the results indicate no interference check failures were found.[1] A copy of the analysis summary is attached as Figure 1. Therefore, the proposed facility remains in full compliance with 47 C.F.R. Sections 74.709, 74.793(e), 74.793(f), 74.793(g) and 74.793(h).

Respectfully submitted,

Scott Turpie
Sr. Technical Consultant
**LOHNES & CULVER, LLC**
P.O. Box 16343
Alexandria, VA 22302
(301) 776-4488

June 1, 2021

List of Attachments
Figure 1 – TVStudy Analysis Summary

[1] *TVStudy* Program - Version 2.2.5 was utilized to evaluate this proposal based on the default Interference Check template normally used for application processing. The following analysis settings were used: cell size = 1.0 km; profile point spacing = 1.0 km.

LOHNES & CULVER
A Limited Liability Company
TELECOMMUNICATIONS CONSULTING

P.O. Box 16343 Alexandria, VA 22302
Office: 301-776-4488
Fax: 301-776-4499

# FIGURE 1
# TVStudy Analysis Summary
*VERSION 2.2.5.*

Study created: 2021.06.01 11:34:53

Study build station data: LMS TV 2021-06-01

Proposal: K31LZ D9 LD APP CAMP VERDE, AZ
File number: KO9ZX-D CP-MOD20210601
Facility ID: 69920
Station data: User record
Record ID: 690
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

| IX | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Yes | KAET | D8 | DT | LIC | PHOENIX, AZ | BLANK0000143455 | 127.6 km |
| No | KWSJ-LD | D9 | LD | CP | SNOWFLAKE, AZ | BDCCDVL20061026AEX | 169.9 |
| No | KGUN-TV | D9 | DT | LIC | TUCSON, AZ | BLANK0000001462 | 252.4 |
| No | KECY-TV | D9 | DT | LIC | EL CENTRO, CA | BLCDT20090723AAO | 315.2 |
| No | KO9EP-D | D9 | LD | LIC | GRANTS, ETC., NM | BLANK0000118136 | 369.7 |
| No | KO9EP-D | N9 | TX | LIC | GRANTS, ETC., NM | BLTTV526 | 369.6 |
| No | KVVU-TV | D9 | DT | LIC | HENDERSON, NV | BLANK0000142740 | 331.8 |
| No | KO9CJ-D | D9 | LD | LIC | CEDAR CITY, UT | BLDTV20101008AAO | 367.2 |
| No | KO9SU-D | D9 | LD | LIC | HILDALE, ETC. (AZ), UT | BLANK0000146008 | 288.9 |
| No | KO9SU-D | N9 | TX | LIC | HILDALE, ETC. (AZ), UT | BLTTV19821118IE | 291.3 |
| No | K50GD-D | D9 | LD | LIC | LONG VALLEY JUNCTION, UT | BLANK0000059942 | 342.4 |
| No | KO9CD | N9 | TX | LIC | ROCKVILLE, UT | BLTTV19800303IJ | 315.6 |
| No | KMYU | D9 | DT | CP | ST. GEORGE, UT | BLANK0000035745 | 326.5 |
| No | KMYU | D9 | DT | LIC | ST. GEORGE, UT | BLCDT20021031ABG | 326.5 |
| No | KO9KP | N9 | TX | LIC | TOQUERVILLE, UT | BLTTV3949 | 337.8 |
| Yes | KSAZ-TV | D10 | DT | LIC | PHOENIX, AZ | BLANK0000106827 | 127.5 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D9
Mask: Simple
Latitude: 34 28 12.40 N (NAD83)
Longitude: 111 52 25.20 W
Height AMSL: 1974.9 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m



Peak ERP: 0.165 kW
Antenna: KAT DRV-1-1 0.0 deg
Elev Pattrn: Generic

48.0 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---|---|---|---|
| 0.0 deg | 0.165 kW | 969.6 m | 63.4 km |
| 45.0 | 0.050 | 943.5 | 53.9 |
| 90.0 | 0.000 | 936.1 | 9.4 |
| 135.0 | 0.003 | 874.0 | 29.7 |
| 180.0 | 0.000 | 380.5 | 5.5 |
| 225.0 | 0.002 | 537.0 | 23.1 |
| 270.0 | 0.000 | 508.7 | 7.5 |
| 315.0 | 0.045 | 441.4 | 39.3 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 699 m

Distance to Canadian border: 1614.7 km

Distance to Mexican border: 300.5 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 147.3 degrees Distance: 389.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 41.0 degrees Distance: 857.8 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Proposal causes no interference to BLANK0000143455 LIC
Proposal causes no interference to BLANK0000106827 LIC

---- Below is IX received by proposal KO9ZX-D CP-MOD20210601 ----

Proposal receives 0.75% interference from scenario 1
No IX check failures found.