

**Class A TV Station KAZT-CA • Channel 27 • Phoenix, Arizona
Waiver Request: Section 73.6011**

OET-69 Interference Study for Proposed KAZT-CA Operation

Interference analysis
tvixstudy 2.4b3

Station parameters:

| | --Modified----- | --Original----- |
|--------------------|-------------------------------|-------------------------------|
| Station: | N27+A KAZT-CA APP | N27+A KAZT-CA APP |
| City: | PHOENIX, AZ | PHOENIX, AZ |
| Coordinates: | N 33-20-01.8 W 112-03-40.5 | N 33-20-01.8 W 112-03-40.5 |
| Height AMSL: | 840.4 m | 840.4 m |
| Maximum ERP: | 150 kW | 130 kW |
| Azimuth pattern: | AND-43083_ALP16L5- | AND-43083_ALP16L5- |
| Orientation: | 0.0 | 0.0 |
| Elevation pattern: | alp24.epat | OET-69 generic |
| Electrical tilt: | 1.50 | |
| Service level: | 73.0 dBu | 73.0 dBu |

| Protected station | Base Pop | IX Change | %Base | Unique IX |
|-----------------------------|----------|-----------|-------|-----------|
| N27- KUAS-TV APP TUCSON, AZ | 635,546 | 3,341 | 0.5 | 0 |

| Interfering station | Total IX | Unique IX |
|--------------------------------|----------|-----------|
| N27+A KAZT-CA APP* PHOENIX, AZ | 0 | 0 |
| D19 KTTU-TV CP TUCSON, AZ | 3,341 | 2,595 |
| D23 KVOA CP TUCSON, AZ | 0 | 0 |
| D25 KMSBDT alot TUCSON, AZ | 4 | 0 |
| D27 KFPH CP FLAGSTAFF, AZ | 0 | 0 |
| D28 KUAS-TV CP TUCSON, AZ | 0 | 0 |
| D30 KUAT-TV CP TUCSON, AZ | 0 | 0 |
| D35 KGUN CP TUCSON, AZ | 0 | 0 |
| D42 KHRR CP TUCSON, AZ | 742 | 0 |

| Protected station | Base Pop | IX Change | %Base | Unique IX |
|-----------------------------|----------|-----------|-------|-----------|
| N27- KUAS-TV LIC TUCSON, AZ | 631,809 | 4,893 | 0.8 | 0 |

| Interfering station | Total IX | Unique IX |
|--------------------------------|----------|-----------|
| N27+A KAZT-CA APP* PHOENIX, AZ | 0 | 0 |
| D19 KTTU-TV CP TUCSON, AZ | 4,279 | 1,475 |
| D23 KVOA CP TUCSON, AZ | 0 | 0 |
| D25 KMSBDT alot TUCSON, AZ | 0 | 0 |
| D27 KFPH CP FLAGSTAFF, AZ | 0 | 0 |
| D28 KUAS-TV CP TUCSON, AZ | 0 | 0 |
| D30 KUAT-TV CP TUCSON, AZ | 1,521 | 0 |
| D35 KGUN CP TUCSON, AZ | 0 | 0 |
| D42 KHRR CP TUCSON, AZ | 3,418 | 614 |

Note: The results of the OET-69 algorithm are dependent on the use of computer databases, including terrain, population, and FCC engineering records. FCC Rules Section 0.434(e) specifically disclaims the accuracy of its databases, recommending the use of primary data sources (i.e., paper documents), which is not practical for DTV interference analyses. Further, while Hammett & Edison, Inc. endeavors to follow official releases and established precedents on the matter, FCC policy on DTV analysis methods is constantly changing. Thus, the results of OET-69 interference and coverage studies are subject to change and may differ from FCC results.

