

**Exhibit to KZZP Application for  
Minor Change  
Phoenix, Arizona  
Facility ID: 47742**

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This exhibit presents the technical details of a change in antenna location to a new tower which is to be located on the same telecommunications site (South Mountain Phoenix) as the existing facility. The distance of this relocation is approximately 90 meters along a bearing of 110°T from the presently licensed location. No change in principal community, class, or channel is proposed.

**Antenna Location**

The proposed antenna for KZZP is to be mounted 78 meters above ground on the tower identified by antenna structure registration number 1308803.

**Spacing Compliance**

Attached as Figure 1 is a spacing study from the proposed antenna location indicating compliance with the Commission's Section 73.207. Station KAJM has elected spacing in accordance with 73.215, this short move decreases the spacing to each facility by an immaterial 10 meter distance.

**Beam Tilt**

This application includes -0.75° beam tilt. Attached as Figure 2 is the proposed vertical plane relative field pattern. Maximum radiated power is to be 100 kilowatts, with 95.6 kilowatts toward the horizon.

**Radio Frequency Radiation Study and Statement**

Upon completion of construction and during the equipment test period, we will make proper radiofrequency electromagnetic (RF) field strength measurements throughout the transmitter site area to determine if there are any areas that exceed the FCC guidelines for human exposure to RF fields. If necessary, appropriate marking, barriers and or fences will be erected at such distances and in such a manner as to prevent the exposure of humans to RF fields in excess of the FCC Guidelines (OET Bulletin No. 65, Edition 97-01, August 1997).

## **Figures and Attachments**

### Figure 1 - Antenna Location Spacing Study

REFERENCE	CLASS = C Int = C					DISPLAY DATES	
33 20 03.70 N.	Current Spacings to 3rd Adj.					DATA	09-21-20
112 03 41.20 W.	Channel 284 - 104.7 MHz					SEARCH	09-21-20
Call	Channel	Location	Azi	Dist	FCC	Margin	
KZZP_	LIC 284C	Mesa	AZ 82.6	0.09	289.5	-289.4	
KAJM	LIC-N 282C	Camp Verde	AZ 345.0	102.88	104.5	-1.6	
AL7133	VAC 285A	Sells	AZ 174.5	167.69	164.5	3.2	
KWCX-FM	CP -N 285A	Tanque Verde	AZ 132.2	168.80	164.5	4.3	
KHOV-FM	LIC 286C1	Wickenburg	AZ 326.3	114.78	104.5	10.3	
KXZK	CP 283A	Vail	AZ 138.6	194.32	164.5	29.8	
KXZK	APP 283A	Vail	AZ 138.6	194.32	164.5	29.8	
KXZK	RSV-A 283A	Vail	AZ 139.4	197.36	164.5	32.9	
KCEC-FM	LIC 283C2	Wellton	AZ 251.5	225.04	187.5	37.5	
XHCNEFM	USE 284B	Cananea	SO 147.2	309.53	270.0	39.5	
XHCNEFM	LIC-D 284B	Cananea	SO 147.2	309.53	270.0	39.5	
KZXQ	CP 283C3	Lake Of The Woods	AZ 63.1	218.76	175.5	43.3	
KZXQ	RSV-A 283C3	Lake Of The Woods	AZ 63.1	218.76	175.5	43.3	
KZLZ	LIC-D 287C3	Casas Adobes	AZ 143.6	149.39	95.5	53.9	
KZLZ	CP -Z 287C3	Casas Adobes	AZ 143.6	149.39	95.5	53.9	
KFLT-FM	LIC 281A	Tucson	AZ 139.7	151.49	94.5	57.0	
KZUL-FM	LIC-N 283C3	Lake Havasu City	AZ 305.1	238.98	175.5	63.5	
KWCX-FM	LIC-D 285C2	Willcox	AZ 117.8	261.15	187.5	73.7	
KRDE	LIC-Z 231C1	San Carlos	AZ 91.9	114.16	40.5	73.7	
R11245	VAC 282C1	Sonoita	SO 202.5	176.55	102.0	74.6	
XHMCFM	LIC-D 285B	Mexicali	BN 257.3	327.34	215.0	112.3	
R18164	VAC 285B	Mexicali	BN 257.3	327.37	215.0	112.4	
R14926	VAC 231A	Salome	AZ 290.7	148.16	28.5	119.7	

Reference station has protected zone issue: Mexico

RSV-R = reserved - needs protection, RSV-A = allocation

% = Station Fails minimum 73.215 spacings

All separation margins include rounding

Figure 2 - Vertical Plane Relative Field

