

**April 2017
KCDX(FM) Channel 276C
Florence, AZ
Allocation Study**

The attached spacing study shows that the proposed operation meets the domestic co-channel and adjacent channel spacing requirements for Class C stations as prescribed in §73.207 of the Commission's Rules.

Proposed Operation's Mexican Short-Spacings

The proposed allotment site is short-spaced to the Mexican allotment on Channel 276B at Cananea. Channel 276C is already coordinated with Mexico at this exact location for use by KCDX. According to the FCC Consolidated Database System, this assignment was:

Accepted on channel 276C by Mexico in 11/15/2006 letter as a restricted allotment limited to 1.889kW ERP and 549.9m HAAT or the equivalent along the 162.4 degree azimuth to protect channel 276B in Cananea, SO.

The instant proposal is limited to 1.875 kilowatts along the 162.4 degree azimuth towards Cananea. Therefore, the instant proposal is believed to be in full compliance with the existing coordination, and referral of the instant proposal to Mexico is not believed to be necessary.

```

=====
SEARCH PARAMETERS                               FM Database Date: 170411
Channel: 276C 103.1 MHz                        Page 1
Latitude: 32 46 44
Longitude: 110 57 46
Safety Zone: 32 km
Job Title: KCDX 276C FLORENCE

```

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K223CI CP MOD	TUCSON AZ	BMPFT-51019AAE	223D 92.5	0.150 0.0	32-14-57 111-06-59	193.8	60.49 0.00	0 TRANS
KNIX-FM LIC	PHOENIX AZ	BMLH-870814KA	273C 102.5	100.000 494.0	33-19-58 112-03-53	301.3	119.86 14.86	105 CLEAR
KWAK-LP CP	SAN XAVIER AZ	BNPL-31113BMM	273L1 102.5	0.050 0.9	32-05-53 111-01-35	184.5	75.73 0.00	0 LPFM
K274AQ LIC	TUCSON AZ	BLFT-981006TA	274D 102.7	0.050 85.0	32-15-30 110-58-12	180.7	57.73 0.00	0 TRANS
K274CB LIC	WILLCOX AZ	BLFT-50408ACJ	274D 102.7	0.050 62.0	32-16-01 109-50-00	118.0	120.35 0.00	0 TRANS
KXCD CP	AJO AZ	BNPH-10630ADV	275A 102.9	0.200 21.0	32-23-16 112-52-27	256.9	184.63 19.63	165 CLEAR
K275CN CP MOD	ORO VALLEY AZ	BMPFT-60128BDY	275D 102.9	0.020 1661.0	32-26-29 110-46-55	155.7	41.10 0.00	0 TRANS
K246CH CP	PHOENIX AZ	BPFT-60129AVI	275D 102.9	0.080 358.0	33-29-33 111-38-23	321.7	101.26 0.00	0 TRANS
K275CP LIC	PHOENIX AZ	BLFT-61216AAG	275D 102.9	0.085 320.0	33-35-39 112-05-08	311.3	138.34 0.00	0 TRANS
K275CP CP	PHOENIX AZ	BPFT-70201ADT	275D 102.9	0.150 320.0	33-35-39 112-05-08	311.3	138.34 0.00	0 TRANS
KDIF-LP LIC	PHOENIX AZ	BLL-70227ABY	275L1 102.9	0.100 -22.0	33-23-19 112-02-42	304.2	121.58 0.00	0 LPFM
KQST LIC	SEDONA AZ	BLH-60307BHN	275C 102.9	100.000 451.0	34-58-05 111-30-29	348.5	248.00 7.00	241 CLOSE
	CANANEA SO	-	276B 103.1	0.000 0.0	30-58-57 110-18-01	162.4	208.82 -61.18	270 SHORT
KCDX LIC	FLORENCE AZ	BLH-990702KE	276C1 103.1	2.700 932.0	33-17-55 110-50-28	11.1 SS	58.75 -211.25	270 SHORT

```

=====
SEARCH PARAMETERS                               FM Database Date: 170411
Channel: 276C      103.1 MHz                      Page 2
Latitude: 32 46 44
Longitude: 110 57 46
Safety Zone: 32 km
Job Title: KCDX 276C FLORENCE

```

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K276GI CP MOD	HUACHUCA CITY AZ	BMPFT-70324AAZ	276D 103.1	0.001 81.0	DA 31-38-15 110-20-07	154.9	139.71 0.00	0 TRANS
K276FQ LIC	RANCHO VISTA AZ	BLFT-50730ABX	276D 103.1	0.140 92.0	34-32-34 112-28-06	325.0	240.36 0.00	0 TRANS
KSCW-LP LIC	SUN CITY WEST AZ	BLL-70117ABY	276L1 103.1	0.100 -1.2	33-39-50 112-21-23	307.6	162.82 0.00	0 LPFM
K277CW CP	BENSON AZ	BNPFT-30325AIF	277D 103.3	0.050 127.0	31-57-14 110-18-27	146.0	110.33 0.00	0 TRANS
K277BX LIC	STAR VALLEY AZ	BLFT-61013AAO	277D 103.3	0.250 316.0	34-15-13 111-18-39	349.0	166.73 0.00	0 TRANS
K277CV CP MOD	TUCSON AZ	BMPFT-70223ACB	277D 103.3	0.001 49.0	DA 32-15-03 110-55-37	176.7	58.65 0.00	0 TRANS
KRDX RSV	CORONA DE TUCSON AZ	-	279A 103.7	0.000 0.0	31-56-00 110-46-48	169.6	95.33 0.33	95 CLOSE
KRDX CP	CORONA DE TUCSON AZ	BPH-70601BRS	279A 103.7	0.910 145.0	DA 31-55-39 110-37-57	161.8	99.40 4.40	95 CLOSE
KXZK LIC	VAIL AZ	BLH-80912AAW	279A 103.7	0.790 145.0	DA 31-55-39 110-37-57	161.8	99.40 4.40	95 CLOSE

===== END OF FM SPACING STUDY FOR CHANNEL 276 =====