

## EXHIBIT 15 (Rev. A)

### Skywave Interference Considerations

#### Statement

The proposed operation of KTIE would not cause interference to any existing station operating during nighttime hours on 590 kHz, 580 kHz and 600 kHz, as shown by the data presented in this Exhibit.

An analysis of the existing stations operating during nighttime hours on 590 kHz, 580 kHz and 600 kHz shows that consideration of the Class B stations listed below in the determination of allowable values of radiation will result in adequate protection to all other stations operating on these frequencies during nighttime hours:

KQNT, Spokane, Washington (590 kHz)  
KSUB, Cedar City, Utah (590 kHz)  
KTHO, South Lake Tahoe, California (590 kHz)  
XEHQ1, Hermosillo, Sonora, Mexico (590 kHz)  
KMJ, Fresno, California (580 kHz)  
KOGO, San Diego, California (600 kHz)

Table A of this Exhibit contains data employed for the computation of the existing RSS nighttime limits of the proposed operation of KTIE and each of the Class B stations listed above. Table B of this Exhibit contains data for the computation of the values of allowable radiation from the proposed site toward the Class B facilities.

The present nighttime operation of KTIE is a contributor to the 50% RSS nighttime limit for KSUB, as shown in Table A of this Exhibit. The values of allowable nighttime radiation toward KSUB shown in Table B of this Exhibit reflect a 10 percent reduction in radiation toward KSUB.

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EXHIBIT 15 (Rev. A) (continued)

Skywave Interference Considerations

TABLE A

Existing Nighttime Interference-Free Limits

To	Station	Limit (mV/m)	
Proposed operation	KSUB (590 kHz)	7.65	50% RSS = 7.65
	KID (590 kHz)	2.98	
	KQNT (590 kHz)	2.78	
	KUGN (590 kHz)	2.17	25% RSS = 8.93
KQNT (590 kHz)	CKBD (600 kHz)	1.94	
	KOMJ (590 kHz)	1.42	50% RSS = 2.40
	KIDO (580 kHz)	1.10	
	Present KTIE (590 kHz)	0.93	
	CKXR (580 kHz)	0.82	
	KLBJ (590 kHz)	0.75	25% RSS = 3.01
KSUB (590 kHz)	KID (590 kHz)	5.46	
	Present KTIE (590 kHz)	4.71	
	KQNT (590 kHz)	4.16	50% RSS = 8.32
	KTHO (590 kHz)	3.20	
	KCSJ (590 kHz)	3.19	
	KOMJ (590 kHz)	2.70	25% RSS = 9.85
KTHO (590 kHz)	KSUB (590 kHz)	6.49	
	KID (590 kHz)	6.30	
	KUGN (590 kHz)	6.00	50% RSS = 10.85
	KQNT (590 kHz)	5.37	
	Present KTIE (590 kHz)	4.55	25% RSS = 12.94
XEHQ1 (590 kHz)	XEE (590 kHz)	5.40	
	XECJU (590 kHz)	3.40	50% RSS = 6.38

EXHIBIT 15 (Rev. A) (continued)

Skywave Interference Considerations

TABLE A (continued)

Existing Nighttime Interference-Free Limits

To	Station	Limit (mV/m)	
KMJ (580 kHz)	WIBW (580 kHz)	2.59	
	KLAC (570 kHz)	1.50	50% RSS = 2.99
	KRFE (580 kHz)	1.02	
	KJMJ (580 kHz)	0.98	
	CKUA (580 kHz)	0.91	
	Present KTIE (590 kHz)	0.898	25% RSS = 3.55
KOGO (600 kHz)	KAVL (610 kHz)	4.28	50% RSS = 4.28
	KSJB (600 kHz)	2.12	
	WMT (600 kHz)	1.80	
	XERJ (600 kHz)	1.59	
	WREC (600 kHz)	1.57	
	HJHJ (600 kHz)	1.47	25% RSS = 5.76

## EXHIBIT 15 (Rev. A) (continued)

## Skywave Interference Considerations

TABLE B

## Allowable Radiation from Proposed Site

Station	Frequency	Geographical Coordinates	Distance (km)	True Azimuth	Vertical Angles	Allowable Limit (mV/m)	Allowable Radiation (mV/m)	Proposed Radiation (mV/m)
KQNT	590 kHz	N 47° 36' 55" W 117° 14' 57"	1506	0.1°	2.1° - 5.6°	0.93	226.4	205.9
KSUB	590 kHz	N 37° 41' 55" W 113° 10' 44"	548	41.4°	13.5° - 22.3°	4.71	195.9 <u>/1</u>	194.4
KSUB near point	590 kHz	N 37° 25' 30" W 113° 25' 15"	511	42.1°	14.6° - 23.9°	4.71	196.0 <u>/1</u>	192.5
KTHO	590 kHz	N 38° 55' 00" W 119° 57' 46"	589	336.9°	12.4° - 20.8°	4.55	231.2	207.4
XEHQ1	590 kHz	N 29° 03' 35" W 110° 54' 35"	822	130.9°	11.3°	3.18	190.1	182.5
XEHQ1 near point	590 kHz	N 29° 13' 32" W 111° 05' 55"	796	130.9°	11.7°	3.18	183.9	182.1
KMJ	580 kHz	N 36° 39' 33" W 119° 20' 47"	342	327.7°	22.0° - 34.1°	0.898	239.5	221.6
KMJ near point	580 kHz	N 35° 39' 40" W 119° 32' 45"	271	311.4°	27.4° - 40.8°	0.898	241.1	237.5
KOGO	600 kHz	N 32° 43' 17" W 117° 04' 11"	152	171.9°	43.1° - 57.2°	1.44	211.1	206.1

/1 Allowable radiation value reflects 10% reduction of present KTIE nighttime radiation.