

**TABLE 2 (Page 1 of 2)**

**Nighttime Allocation Study**

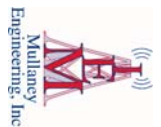
**Night Allocation Protection Report**

Call: KWES.P (C) Freq: 1450 kHz RUIDOSO, NM, US Lat: 33-19-34 N Lng: 105-40-14 W  
Power: 0.91 kW Hours: N Theo RMS: 306.10 mV/m @ 1km @ 1kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	100.8	0	0	0.0	0.0	0.0	0.0

Prot. Station Call Letters	Ct	St	City	Azi (deg)	Ang Low (deg)	Ang High (deg)	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Prop KWES (mV/m)	Margin (mV/m)
XEARE.O (C)/O	MX	CH	OJINAGA	164.46	22.69	22.69	134.83	6.944	257.51	<b>257.41</b>	0.10
50% = 14.729, 25% = 23.362; KOBE.L (C)=7.96 KBEN.L (C)=7.30 KSNY.L (C)=7.21 KMBL.L (C)=6.94 KWES.P (C)=6.94 XEGU.O (C)/A=6.73 KDAP.L (C)=6.70 KLMX.L (C)=6.47 KSEL.L (C)=6.43 KRZY.L (C)=6.08 XEZC.O (C)/A=6.06 KWFM.L (C)=5.81											
XE0053.P (C)/A	MX	CH	CD.DELICIAS	177.74	17.34	17.34	114.68	6.703	292.28	<b>271.38</b>	20.90
50% = 14.424, 25% = 22.262; XEGU.O (C)/A=7.80 KOBE.L (C)=7.49 KBEN.L (C)=6.80 KDAP.L (C)=6.70 XEZC.O (C)/A=6.63 KSNY.L (C)=6.23 KWES.P (C)=6.22 KMBL.L (C)=6.14 KWFM.L (C)=5.79 XEIE.O (C)/A=5.76 XEJM.O (C)/A=5.57 KSEL.L (C)=5.53											
XEDJ.O (C)/O	MX	SO	MAGDALENA	240.50	16.93	16.93	113.15	7.478	330.45	<b>272.29</b>	58.16
50% = 16.664, 25% = 22.833; KDAP.L (C)=9.15 KWFM.L (C)=8.89 KOBE.L (C)=7.67 KVSL.L (C)=7.48 KNOT.L (C)=6.93 XEGU.O (C)/A=6.83 KWES.P (C)=6.16 KRZY.L (C)=6.15 KGAM.L (C)=6.08 KFSD.L (C)=6.03											
XEDJ1.P (C)/O	MX	SO	MAGDALENA	240.50	16.93	16.93	113.15	7.478	330.45	<b>272.29</b>	58.16
50% = 16.664, 25% = 22.833; KDAP.L (C)=9.15 KWFM.L (C)=8.89 KOBE.L (C)=7.67 KVSL.L (C)=7.48 KNOT.L (C)=6.93 XEGU.O (C)/A=6.83 KWES.P (C)=6.16 KRZY.L (C)=6.15 KGAM.L (C)=6.08 KFSD.L (C)=6.03											
XEGU.O (C)/A	MX	SI	EL FUERTE	201.27	11.31	11.31	83.90	5.847	348.42	<b>283.02</b>	65.40
50% = 12.476, 25% = 17.262; KDAP.L (C)=6.54 KOBE.L (C)=6.41 XEZC.O (C)/A=6.13 KWFM.L (C)=5.85 XETD.O (C)/A=5.51 XEYZ.O (C)/A=4.98 KWES.P (C)=4.75 XEIE.O (C)/A=4.68 KVSL.L (C)=4.65 KBEN.L (C)=4.59											
XE.P (C)/O	MX	SO	HERMOSILLO	228.19	13.96	13.96	100.02	7.168	358.34	<b>278.33</b>	80.01
50% = 15.511, 25% = 20.837; KDAP.L (C)=8.26 XEGU.O (C)/A=7.81 KWFM.L (C)=7.75 KOBE.L (C)=7.17 KVSL.L (C)=6.49 KNOT.L (C)=5.96 KWES.P (C)=5.57 KFSD.L (C)=5.41 KGAM.L (C)=5.36 KRZY.L (C)=5.18											
XEPE.O (C)/O	MX	SO	EMPALME	221.16	12.01	12.01	88.20	6.708	380.24	<b>281.89</b>	98.35
50% = 14.901, 25% = 18.78; XEGU.O (C)/A=8.54 KDAP.L (C)=7.46 KWFM.L (C)=6.96 KOBE.L (C)=6.71 KVSL.L (C)=5.77 KNOT.L (C)=5.17 KWES.P (C)=4.97 KFSD.L (C)=4.84 KGAM.L (C)=4.74											

AM BROADCAST STATION KWES  
RUIDOSO, NEW MEXICO  
NOVEMBER 2008



**TABLE 2 (Page 2 of 2)**

**Nighttime Allocation Study**

Station Information:

Call: KWES.C (C) Freq: 1450 kHz RUIDOSO, NM, US Lat: 33-19-34 N Lng: 105-40-14 W  
 Power: 0.86 kW Hours: N Theo RMS: 316.60 mV/m @ 1km @ 1kW  
 Standard: FCC Rules (1992 Skywave Propagation Model) [ 10% ]

Contributors:

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta Min Max (deg) (deg)		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit (mV/m)	(%)	RSS Limit (mV/m)
KRZY.L	(1450	ALBUQUERQUE	NM	US	219.0	156.2	32.8	47.0	239.89	278.38	13.356	100.0	13.356
KOBE.L	(1450	LAS CRUCES	NM	US	155.4	42.6	42.5	56.6	185.75	339.82	12.624	94.5	18.378
KSEL.L	(1450	PORTALES	NM	US	237.6	246.6	30.7	44.6	234.58	261.53	12.270	66.8	22.098
KLMX.L	(1450	CLAYTON	NM	US	413.9	213.8	18.2	29.1	310.95	152.44	9.480	42.9	24.045
KVSL.L	(1450	SHOW LOW	AZ	US	412.5	102.6	18.3	29.1	282.69	153.20	8.662	36.0	25.558
KDAP.L	(1450	DOUGLAS	AZ	US	425.3	58.0	17.7	28.4	281.73	147.68	8.321	32.6	26.878
KSNY.L	(1450	SNYDER	TX	US	445.8	279.9	16.9	27.2	295.72	140.03	8.282	30.8	28.125
KGIW.L	(1450	ALAMOSA	CO	US	461.3	177.9	16.3	26.3	286.36	133.92	7.670	27.3	29.152
KWFM.L	(1450	TUCSON	AZ	US	508.8	74.4	14.6	24.0	287.99	119.32	6.873	23.6	29.951
XE0053.P	1450	CD.DELICIAS	CH	MX	568.5	357.9	12.9	21.5	294.33	104.35	6.143	20.5	30.575
KAVP.L	(1450	COLONA	CO	US	591.0	161.6	12.4	20.7	286.63	97.20	5.572	18.2	31.078
KWHW.L	(1450	ALTUS	OK	US	601.5	257.9	12.1	20.3	272.52	95.68	5.215	16.8	31.513
KSIW.L	(1450	WOODWARD	OK	US	667.4	240.7	10.7	18.2	313.14	82.48	5.165	16.4	31.934
KYNN.C	(1450	CAMERON	AZ	US	597.8	116.5	12.2	20.4	266.18	96.59	5.142	16.1	32.345
KMBL.L	(1450	JUNCTION	TX	US	640.3	301.0	11.2	19.0	286.86	88.65	5.086	15.7	32.742
KNOT.L	(1450	PRESCOTT	AZ	US	639.4	100.3	11.2	19.0	282.72	88.50	5.004	15.3	33.122

AM BROADCAST STATION KWES  
 RUIDOSO, NEW MEXICO  
 NOVEMBER 2008

