

TABLE 1 (Page 1 of 2)
Nighttime Allocation Study Summary

Night Allocation Protection Report

Call: KIGS **Freq: 620 kHz** **HANFORD, CA, US** **Lat: 36-19-34.80 N** **Lng: 119-33-58.70 W**
Power: 1.0 kW Hours: N Theo RMS: 292.90 mV/m @ 1km @ 1.0 kW # of Augmentations: 2

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	68.0	0	0	0.0	0.0	0.0	0.0
2	0.870	137.0	100.0	51.0	68.0	0	0	0.0	0.0	0.0	0.0

Augmentations:

#	Azimuth (deg)	Radiation (mV/m@1km)	Span (deg)
1	115.50	72.90	20.0
2	346.50	74.60	20.0

Call Letters	Ct	St	City	Azi (deg)	Ang Low (deg)	Ang High (deg)	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
KEAR.L (B)	US	CA	SAN FRANCISCO	305.79	25.31	38.30	217.24	1.078	248.18	248.10	0.08
50% = 2.321, 25% = 3.443; CJAT.P (B)/A=1.38 KILT.L (B)=1.37 KOGO.L (B)=1.26 KCSP.L (B)=1.15 KAVL.L (B)=1.08 KIGS.L (B)=1.08 {KIGS.P (B)=1.08} KNML.L (B)=1.04 KRTA.L (B)=1.00 KPOJ.L (B)=0.86											
KTAR.L (B)	US	AZ	PHOENIX	112.45	9.03	15.77	69.74	0.981	70.30	68.35	1.95
50% = 3.137, 25% = 4.0; XENK.O (B)/A=2.15 XEBU.P (B)/A=1.77 CKCK.O (B)/A=1.45 KHOW.L (B)=1.25 KMKI.L (B)=1.18 KAVL.L (B)=1.08 KMNS.L (B)=1.04 YVNO.O (A)-A=0.98 [[KIGS.P (B)=0.95 KIGS.L (B)=0.67]]											
NEW.A (B)	US	NV	HENDERSON	93.36	18.47	29.37	154.73	3.675	118.74	116.22	2.52
50% = 12.724, 25% = 13.708; KTAR.L (B)=12.72 KIGS.L (B)=3.67 {KIGS.P (B)=3.60} XESS.P (B)/A=3.54											
NEW.A (B)	US	NV	BOULDER CITY	96.59	18.12	28.90	151.48	3.626	119.68	102.85	16.83
50% = 14.504, 25% = 14.504; KTAR.L (B)=14.50 [[KIGS.L (B)=3.18 KIGS.P (B)=3.12]]											
KPOJ.L (B)	US	OR	PORTLAND	346.97	5.51	10.56	39.80	1.221	153.35	74.06	79.28
50% = 4.231, 25% = 4.939; KONA.L (B)=3.71 KFXD.L (B)=2.03 KRTA.L (B)=1.65 KMKI.L (B)=1.51 KWAL.L (B)=1.22 [[KIGS.P (B)=0.59 KIGS.L (B)=0.44]]											

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Call Letters	Ct St City	Azi (deg)	Ang Low (deg)	Ang High (deg)	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
KWAL.L (B)	US ID WALLACE	12.16	3.55	7.71	26.75	1.440	269.13	155.25	113.88
50% = 4.513, 25% = 5.759; KPOJ.L (B)=4.51 KMKI.L (B)=1.92 CKCK.O (B)/A=1.88 KTAR.L (B)=1.85 KFXD.L (B)=1.46 [[KIGS.P (B)=0.83 KIGS.L (B)=0.83]]									
XESS.P (B)/A	MX BN ENSENADA	151.29	19.31	19.31	122.20	10.991	449.71	237.67	212.04
50% = 21.981, 25% = 22.736*; KTAR.L (B)=21.98 KIGS.L (B)=5.81 {KIGS.P (B)=5.81}									
KHNU.L (B)	US HI HILO	251.77	0.00	0.00	5.77	0.840	728.08	471.73	256.35
50% = 1.633, 25% = 1.895; KPOJ.L (B)=1.40 KTAR.L (B)=0.84 XESS.P (B)/A=0.79 KIGS.L (B)=0.54 {KIGS.P (B)=0.54}									
KPLY.L (B)	US NV RENO	356.19	20.87	32.62	176.93	1.236	349.32	55.56	293.77
50% = 4.224, 25% = 4.944; KFI.L (A)=4.22 NEW630.P (B)/A=1.71 XEFB.O (B)/A=1.36 KSLR.L (B)=1.35 [[KIGS.P (B)=0.20 KIGS.L (B)=0.20]]									
KIDD.L (B)	US CA MONTEREY	282.15	34.78	49.09	292.88	3.715	634.23	294.43	339.80
50% = 13.562, 25% = 14.86; KPLY.L (B)=13.56 KFI.L (A)=6.07 [[KIGS.L (B)=3.18 KIGS.P (B)=3.12]]									
WTMJ.L (B)	US WI MILWAUKEE	65.46	0.00	0.00	5.42	0.754	694.56	232.15	462.41
50% = 2.103, 25% = 3.014; CFCO.P (B)/A=1.38 YVNO.O (A)-A=1.25 JBC.O (B)-A=0.99 XENK.O (B)/A=0.97 KTAR.L (B)=0.94 KCSP.L (B)=0.93 KJSL.L (B)=0.84 WRJZ.L (B)=0.80 HJEL.O (A)-A=0.79 [[KIGS.L (B)=0.25 KIGS.P (B)=0.25]]									
KMKI.L (B)	US TX PLANO	92.51	0.00	1.62	12.33	1.536	622.93	143.88	479.05
50% = 4.871, 25% = 6.258; KILT.L (B)=3.64 XENK.O (B)/A=3.24 WRJZ.L (B)=1.92 WTUV.L (B)=1.83 YVNO.O (A)-A=1.81 KMNS.L (B)=1.66 JBC.O (B)-A=1.54 [[KIGS.L (B)=0.36 KIGS.P (B)=0.36]]									
CKCK.O (B)/A	CA SK REGINA	32.88	1.15	1.15	11.04	1.568	709.79	225.03	484.75
50% = 3.457, 25% = 3.919*; WTMJ.L (B)=2.52 KMKI.L (B)=1.77 KTAR.L (B)=1.57 KPOJ.L (B)=1.55 WVMT.L (B)=1.00 [[KIGS.L (B)=0.50 KIGS.P (B)=0.50]]									
KAVL.L (B)	US CA LANCASTER	144.67	32.73	46.91	276.91	3.692	666.63	170.93	495.70
50% = 14.288, 25% = 14.767; KEAR.L (B)=14.29 KVNU (B)=3.73 [[KIGS.L (B)=0.95 KIGS.P (B)=0.95]]									

* Station protected to 50% RSS. 25% RSS value provided for informational purposes only.

