

TABLE 3 (Page 1 of 7)

Detailed Tabulation of Night Limit Calculations

Nighttime limits to KMYX TAFT CA US N Lat 35 08 48 W Long 119 28 21 Date 22-MAY-02 MEI LMT2 Page 1										
File No./arn - 1310 kHz FCC Rules (10%) IFRB Serial No.										
Comments: All radiations are in mV/m at 1 km CORRECTED SITE COORDINATES AND CORRECTED RADIATOR HEIGHT										
	XEC1 T	KMYX A	XEC T	KCTC S	KXAM A	KTCK A	KLIX S	KEIN T		
Limit from										
IFRB Serial #	Objection		Objection							
Prefix/Freq	# 237/1310	BL /1310	# 232/1310	BL /1320	BL /1310	BL /1310	BL /1310	BL /1310		
arn	Proposal		Operatin	790816AB		010110AB	811211AG			
Distance (km)	369.4	391.6	369.4	429.3	726.5	2085.6	934	1530.5		
Bearing	322.9	138.6	322.9	156.8	287.3	283	209.9	208.9		
Radiation on Gnd	304	283	152	920.1	150.1	791.9	207.2	413.6		
Lower Angle	20.5	19.3	20.5	17.6	9.6	0	6.7	1.9		
Upper Angle	32.1	30.5	32.1	28.1	16.6	1.8	12.2	5.4		
Max Rad	276.8	258.9	138.4	761.8	149.4	791.9	211.4	412.4		
Skywave Field	172	162	172	146	74.4	13.1	48.9	19.3		
Limit	9.54459	8.41481	4.77214	2.22781	2.22277	2.06968	2.06544	1.59372		
Running RSS	-----	8.4148	-----	8.7047	8.9840					
		50% RSS			25% RSS					

TABLE 3 (Page 2 of 7)

Detailed Tabulation of Night Limit Calculations

Nighttime limits to KBTK CORRALES NM US N Lat 35 12 00 W Long 106 35 59 Date 22-MAY-02 MEI LMT2 Page 1											
File No./arn BL-850620AB 1310 kHz FCC Rules (10%) IFRB Serial No.											
Comments: All radiations are in mV/m at 1 km											
Limit from	KFKA A	KTCK A	KXAM A	XEFH T	XEC1 T	XERU1 T	XERU T	KXTN A	KLIX S	KMYX T	
IFRB Serial #				Objection	Objection	Objection	Objection			Proposal	
Prefix/Freq	BL /1310	BL /1310	BL /1310	# 250/1310	# 237/1310	# 239/1310	# 233/1310	BL /1310	BL /1310	# 1/1310	
arn		010110AB		Operatin	Proposal	Proposal	Operatin		811211AG		
Distance (km)	597.2	923.8	519	512.9	1006.6	736.5	728.7	1007.1	1057.4	1169.1	
Bearing	196.5	288.4	66.4	31.3	69.9	356.5	356.3	311.8	138.1	86	
Radiation on Gnd	539.6	728.7	221.8	147.8	304	151.8	148.5	216.7	248.7	43.8	
Lower Angle	12.2	6.8	14.3	14.5	5.9	9.4	9.5	5.9	5.4	4.4	
Upper Angle	20.5	12.4	23.5	23.8	11.1	16.3	16.5	11.1	10.3	8.9	
Max Rad	513.8	687.7	215	141	301.7	148.8	145.6	215.2	244.9	43.6	
Skywave Field	93.9	51.5	116	118	46	73.3	74.4	46	39	35.8	
Limit	9.64969	7.08701	4.99615	3.33095	2.77284	2.18067	2.1653	1.98136	1.91014	0.31197	
Running RSS	9.6497	11.9726	12.9732	-----	-----	-----	-----				
		50% RSS	25% RSS								
Nighttime limits to KEIN GREAT FALLS MT US N Lat 47 31 20 W Long 111 23 18 Date 22-MAY-02 MEI LMT2 Page 1											
File No./arn BL- 1310 kHz FCC Rules (10%) IFRB Serial No.											
Comments: All radiations are in mV/m at 1 km											
Limit from	WIBA A	CHQM S	KFNZ A	KMKY A	KOKX A	KBTK S	XEC1 T	KLER S	KXAM A	KLIX S	KMYX T
IFRB Serial #		Accepted					Objection				Proposal
Prefix/Freq	BL /1310	# 390/1320	BL /1320	BL /1310	BL /1310	BL /1310	# 237/1310	BL /1300	BL /1310	BL /1310	# 1/1310
arn	900425AC	Operatin				850620AB	Proposal	850411AB		811211AG	
Distance (km)	1783.6	879.3	766	1397.5	1782.4	1426.3	1734.2	385.9	1566.1	600	1530.5
Bearing	294	97.6	3	36	303.1	345.3	14.3	70.7	1.2	21.9	23.5
Radiation on Gnd	830.1	1719.2	1146.5	279.7	494.3	244.9	304	389.1	248.3	25.3	43.8
Lower Angle	0.6	7.3	8.9	2.7	0.6	2.5	0.8	19.6	1.7	12.1	1.9
Upper Angle	3.6	13.2	15.6	6.5	3.6	6.3	3.9	30.9	5.1	20.4	5.4
Max Rad	829.9	1703.5	1113.4	279.3	494.2	244.3	304	335.2	248.2	54.7	43.8
Skywave Field	9.2	38.4	57.2	21.8	10.5	21	16	143	18.7	81.8	19.3
Limit	1.52726	1.30941	1.2744	1.21969	1.03704	1.02845	0.97049	0.95823	0.92751	0.89525	0.16918
Running RSS	1.5273	2.0118	2.3815	2.6757	2.8696	3.0483	-----	3.1954	3.3273	3.4456	
				50% RSS						25% RSS	

TABLE 3 (Page 3 of 7)

Detailed Tabulation of Night Limit Calculations

Nighttime limits to KFKA GREELEY CO US N Lat 40 21 56 W Long 104 43 56 Date 22-MAY-02 MEI LMT2 Page 1											
File No./arn BL- 1310 kHz FCC Rules (10%) IFRB Serial No.											
Comments: All radiations are in mV/m at 1 km											
Limit from	KBTK S	KLIX S	KEIN T	KOKX A	KDLS A	KTCK A	WTLC A	KXAM A	XEC1 T	KUBL T	KMYX T
IFRB Serial #									Objection		Proposal
Prefix/Freq	BL /1310	BL /1310	BL /1310	BL /1310	BL /1310	BL /1310	BL /1310	BL /1310	# 237/1310	BL /1300	# 1/1310
arn	850620AB	811211AG				010110AB			Proposal		
Distance (km)	597.2	838.3	956.8	1132.2	910.1	1077.8	1578.2	995.1	1400.7	172.8	1417.3
Bearing	15.4	103.6	143.8	274.3	263.2	322.2	278.6	37.3	48	2.3	61.5
Radiation on Gnd	217.4	316.6	413.6	472.6	301	345.8	706	247.2	304	309	43.8
Lower Angle	12.2	7.9	6.4	4.7	6.9	5.2	1.7	6	2.7	39.4	2.6
Upper Angle	20.5	14	11.9	9.4	12.7	10.1	5	11.3	6.5	53.7	6.4
Max Rad	205.1	324.5	399.9	467.9	294.5	335.9	703.7	245.5	303.5	214.2	43.7
Skywave Field	93.9	53	38.5	31.3	44.8	38.6	16.7	44.6	25.7	326	24.4
Limit	3.85292	3.44155	3.08036	2.92614	2.6372	2.59137	2.35481	2.19075	1.55933	1.39839	0.21369
Running RSS	3.8529	5.1661	6.0147	6.6887	7.1898	7.6425	7.9971	8.2917	-----		
			50% RSS					25% RSS			
Nighttime limits to KLIX TWIN FALLS ID US N Lat 42 33 06 W Long 114 22 03 Date 22-MAY-02 MEI LMT2 Page 1											
File No./arn BL-811211AG 1310 kHz FCC Rules (10%) IFRB Serial No.											
Comments: All radiations are in mV/m at 1 km											
Limit from	KEIN T	KMKY A	KFKA A	XEC1 T	KXAM A	KNPT S	KBTK S	KMYX T			
IFRB Serial #				Objection				Proposed			
Prefix/Freq	BL /1310	BL /1310	BL /1310	# 237/1310	BL /1310	BL /1310	BL /1310	# 1/1310			
arn				Proposal		851209AH	850620AB				
Distance (km)	600	855.2	838.3	1139.3	1036.9	807.8	1057.4	934			
Bearing	204	49.6	290	11.1	348.4	103.2	322.9	26.7			
Radiation on Gnd	413.6	282.7	301.9	304	234.9	161.7	214	43.8			
Lower Angle	12.1	7.6	7.9	4.6	5.6	8.3	5.4	6.7			
Upper Angle	20.4	13.7	14	9.3	10.6	14.7	10.3	12.2			
Max Rad	366.2	278.2	287.7	302.6	233.4	156.3	211.6	43.4			
Skywave Field	81.8	54.9	53	36.2	41.5	55.4	39	48.9			
Limit	5.99015	3.05541	3.05142	2.19165	1.93706	1.73244	1.65031	0.42356			
Running RSS	5.9902	6.7244	7.3844	-----	7.6342						
		50% RSS			25% RSS						

TABLE 3 (Page 4 of 7)

Detailed Tabulation of Night Limit Calculations

Nighttime limits to KMYX OAKLAND CA US N Lat 37 49 27 W Long 122 19 10 Date 22-MAY-02 MEI LMT2 Page 1										
File No./arn BL- 1310 kHz FCC Rules (10%) IFRB Serial No.										
Comments: All radiations are in mV/m at 1 km										
Limit from	KCTC S	XEC1 T	XEC T	KEIN T	KYNO A	KTCK A	KXAM A	KMYX T	KNPT S	KPTL A
IFRB Serial #		Objection	Objection					Proposed		
Prefix/Freq	BL /1320	# 237/1310	# 232/1310	BL /1310	BL /1300	BL /1310	BL /1310	# 1/1310	BL /1310	BL /1300
arn	790816AB	Proposal	Operatin			010110AB			851209AH	
Distance (km)	131.2	761	761	1397.5	255.7	2355.6	1064.5	391.6	769.1	270.5
Bearing	221.5	322.3	322.3	223.5	298	290.5	300.2	320.3	169	237.3
Radiation on Gnd	1306.4	304	152	413.6	383	703.8	161.6	43.8	101.7	333.4
Lower Angle	47.4	9	9	2.7	28.8	0	5.3	19.3	8.9	27.4
Upper Angle	60.9	15.7	15.7	6.5	42.5	0.5	10.2	30.5	15.5	40.8
Max Rad	581.8	298.6	149.3	411.1	296.9	703.8	161.2	40.1	99.8	266.7
Skywave Field	372	69.6	69.6	21.8	247	9.94	41.7	162	64.5	236
Limit	4.33109	4.1567	2.07828	1.79567	1.46776	1.39863	1.34364	1.30428	1.28755	1.25743
Running RSS	4.3311	-----	-----	4.6886	4.9130	5.1082	5.2820			
	50% RSS						25% RSS			
Nighttime limits to KNPT NEWPORT OR US N Lat 44 37 40 W Long 123 59 15 Date 22-MAY-02 MEI LMT2 Page 1										
File No./arn BL-851209AH 1310 kHz FCC Rules (10%) IFRB Serial No.										
Comments: All radiations are in mV/m at 1 km										
Limit from	KLIX S	KMKY A	KEIN T	-----	KKOL S	KKOL S	CHLW S	KKOL S	KMYX T	
IFRB Serial #						12298			Proposed	
Prefix/Freq	BL /1310	BL /1310	BL /1310	BL /1300	BP /1300	# 285/1310	BPI /1300	# 1/1310		
arn	811211AG				011130AA	Operatin	970825AC			
Distance (km)	807.8	769.1	1022.3	352.3	336.8	1388.6	355.1	1121.8		
Bearing	289.9	350.1	256.3	201.6	203.7	226.6	199.1	341.4		
Radiation on Gnd	478.3	321.3	413.6	1027.1	549.5	573.1	554.8	43.8		
Lower Angle	8.3	8.9	5.7	21.4	22.4	2.8	21.3	4.8		
Upper Angle	14.7	15.5	10.8	33.4	34.6	6.6	33.1	9.5		
Max Rad	464.5	315.7	402.7	770.8	685.2	572.6	473.2	43.6		
Skywave Field	55.4	64.5	33.3	170	179	14.8	168	36.1		
Limit	5.14895	4.07172	2.67888	2.61901	2.45416	1.69157	1.59241	0.31479		
Running RSS	5.149	6.5644	7.0900	7.5583	-----					
		50% RSS		25% RSS						

TABLE 3 (Page 5 of 7)

Detailed Tabulation of Night Limit Calculations

Nighttime limits to KSDT HEMET CA US N Lat 33 44 59 W Long 116 59 53 Date 22-MAY-02 MEI LMT2 Page 1											
File No./arn BL-900912AH 1320 kHz FCC Rules (10%) IFRB Serial No.											
Comments: All radiations are in mV/m at 1 km											
Limit from	KKSM A	KFNZ A	KYHN A	KCTC S	KXYZ A	XECMO S	XESY T	KWKW A	XESR T	KMYX T	
IFRB Serial #						<i>Objection</i>	<i>Accepted</i>		<i>Accepted</i>	<i>Proposed</i>	
Prefix/Freq	BL /1320	BL /1320	BL /1320	BL /1320	BL /1320	# 335/1320	# 341/1320	BL /1330	# 331/1320	# 1/1310	
arn			2816	790816AB	961008AB	Operatin	Proposal		Operatin		
Distance (km)	68.6	888.1	2076.1	674.5	2107.6	2379.1	665	127.9	844.7	274.9	
Bearing	27.3	212	271.5	143.5	287.9	315.4	302.9	103.2	328.8	123.7	
Radiation on Gnd	40.9	382.5	1367.2	233	1094.4	928.4	136.6	770.3	152.9	43.8	
Lower Angle	64.4	7.2	0	10.5	0	0	10.7	48.1	7.8	27	
Upper Angle	73.8	13.1	1.9	18	1.7	0.4	18.3	61.6	13.9	40.4	
Max Rad	64.5	366.8	1367.2	203.9	1094.4	928.4	133.2	265	150.8	36.9	
Skywave Field	425	53.9	12.9	82	13.5	13	84.5	367	63.2	230	
Limit	5.47711	3.95396	3.51621	3.34148	2.94736	2.42118	2.25102	1.94762	1.90714	0.16994	
Running RSS	5.4771	6.7552	7.6155	8.3163	8.8231	-----	9.1057				
			50% RSS				25% RSS				
Nighttime limits to KXAM MESA AZ US N Lat 33 26 23 W Long 111 50 09 Date 22-MAY-02 MEI LMT2 Page 1											
File No./arn BL- 1310 kHz FCC Rules (10%) IFRB Serial No.											
Comments: All radiations are in mV/m at 1 km											
Limit from	XEC1 T	XEFH T	KTCK A	XEC T	KFKA A	KBTk S	KMKY A	XERU1 T	KLIX S	XELPZ T	KMYX T
IFRB Serial #	<i>Objection</i>	<i>Objection</i>		<i>Objection</i>				<i>Objection</i>		<i>Accepted</i>	<i>Proposed</i>
Prefix/Freq	# 237/1310	# 250/1310	BL /1310	# 232/1310	BL /1310	BL /1310	BL /1310	# 239/1310	BL /1310	# 238/1310	# 1/1310
arn	Proposal	Operatin	010110AB	Operatin		850620AB		Proposal	811211AG	Proposal	
Distance (km)	494.2	322	1385.8	494.2	995.1	519	1064.5	767.1	1036.9	1041.7	726.5
Bearing	76.7	318.4	276.4	76.7	221.5	249.3	114.1	316.1	166.9	352.3	103
Radiation on Gnd	304	147.8	863.9	152	295.6	105.1	283.1	151.8	262.3	216.2	43.8
Lower Angle	15.1	23.4	2.8	15.1	6	14.3	5.3	8.9	5.6	5.5	9.6
Upper Angle	24.7	35.8	6.7	24.7	11.3	23.5	10.2	15.6	10.6	10.6	16.6
Max Rad	289	130.7	855.3	144.5	294.2	101	281.3	149.1	251.8	214.8	42.9
Skywave Field	124	198	27.3	124	44.6	116	41.7	70.2	41.5	48	74.4
Limit	7.14284	5.17943	4.67173	3.5713	2.62542	2.34693	2.34444	2.09285	2.0894	2.06098	0.63795
Running RSS	-----	-----	4.6717	-----	5.3589	5.8503	6.3026	-----	6.6399	6.9524	
					50% RSS					25% RSS	

TABLE 3 (Page 6 of 7)

Detailed Tabulation of Night Limit Calculations

Nighttime limits to KYNO FRESNO CA US N Lat 36 46 14 W Long 119 45 00 Date 22-MAY-02 MEI LMT2 Page 1										
File No./arn BL- 1300 kHz FCC Rules (10%) IFRB Serial No.										
Comments: All radiations are in mV/m at 1 km										
Limit from	KKOL S	KAZN A	KPTL A	KROP T	KROP T	KKOL S	KAPL S	KKOL S	KLER S	KMYX T
IFRB Serial #										<i>Proposed</i>
Prefix/Freq	BL /1300	BL /1300	BL /1300	BL /1300	BP /1300	BP /1300	BL /1300	BPI /1300	BL /1300	# 1/1310
arn					000208AB	011130AA	821115BA	970825AC	850411AB	
Distance (km)	1221.2	327.2	266.4	567.5	568.6	1201.5	667.6	1231.2	1117.6	182.3
Bearing	169	332.9	180.4	318.3	318.5	169.1	155.9	168.4	196.3	352.2
Radiation on Gnd	1004.4	144	124.4	225.3	225.3	675.2	250.7	463.3	376.3	43.8
Lower Angle	4	23	27.8	13	12.9	4.1	10.7	3.9	4.8	37.9
Upper Angle	8.3	35.4	41.3	21.6	21.5	8.5	18.2	8.2	9.5	52.2
Max Rad	994.4	130.1	103.5	215.4	215.5	669.2	194.9	460.8	372.6	31.2
Skywave Field	29.2	196	239	104	104	30.2	81	28.8	34.2	314
Limit	5.8162	5.10428	4.94714	4.47266	4.46447	4.03826	3.15723	2.65439	2.54607	0.19551
Running RSS	5.8162	7.7383	9.1845	10.2157	-----	-----	10.6925	-----		
			50% RSS				25% RSS			

TABLE 3 (Page 7 of 7)

Detailed Tabulation of Night Limit Calculations

Nighttime limits to XEC TIJUANA BN MX N Lat 32 31 15 W Long 117 01 16 Date 22-MAY-02 MEI LMT2 Page 1										
File No./arn -Operatin 1310 kHz Mexican (10%) IFRB Serial No.										
Comments: All radiations are in mV/m at 1 km										
Limit from	KMKY A	KXAM A	XEFH T	KLIX S	KTCK A	KMYX T				
IFRB Serial #						<i>Proposed</i>				
Prefix/Freq	BL /1310	BL /1310	# 250/1310	BL /1310	BL /1310	# 1/1310				
arn			Operatin	811211AG	010110AB					
Distance (km)	761	494.2	719.6	1139.3	1875.8	369.4				
Bearing	139.2	259.5	282.9	192.7	274	141.5				
Radiation on Gnd	282.8	153.2	147.8	250.1	886.8	43.8				
Lower Angle	12.4	20.1	13.3	7	1.6	26.6				
Upper Angle	12.4	20.1	13.3	7	1.6	26.6				
Max Rad	272.6	149.1	142	252.3	883.9	37.1				
Skywave Field	90.7	125	96.1	50.8	12.7	150				
Limit	4.94372	3.7283	2.73074	2.56128	2.2511	1.11397				
Running RSS	4.9437	6.192								
		50% RSS								
Nighttime limits to XEFH AGUA PRIETA SO MX N Lat 31 17 35 W Long 109 32 02 Date 22-MAY-02 MEI LMT2 Page 1										
File No./arn -Operatin 1310 kHz Mexican (10%) IFRB Serial No.										
Comments: All radiations are in mV/m at 1 km										
Limit from	KTCK A	KXAM A	XEC1 T	KFKA A	KBTK S	KMYX T				
IFRB Serial #			<i>Objection</i>			<i>Proposed</i>				
Prefix/Freq	BL /1310	BL /1310	# 237/1310	BL /1310	BL /1310	# 1/1310				
arn	010110AB		Proposal		850620AB					
Distance (km)	1199.2	322	719.6	1097.1	512.9	1018.2				
Bearing	264.6	137.2	98.9	204.7	212.9	112.1				
Radiation on Gnd	965	234	304	492.7	210.7	43.8				
Lower Angle	6.4	30	13.3	7.4	19.3	8.4				
Upper Angle	6.4	30	13.3	7.4	19.3	8.4				
Max Rad	914.7	199	292.3	484.5	177.2	43.1				
Skywave Field	45.8	164	96.1	54.8	122	62				
Limit	8.38015	6.54253	5.61875	5.31327	4.33277	0.53437				
Running RSS	8.3802	10.6317	-----							
		50% RSS								