

R. Morgan Burrow, P.E. & Associates, P.C., Berkeley Springs, WV 25411
Detailed Limit Study from WVBE, Roanoke, Virginia.
PSSA and Cuban stations excluded from RSS calculations
Run made 30 May 2006

Nighttime limits to CHAGUANAS TR TD N Lat 10 31 00 W Long 61 24 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081001714
Comments: All radiations are in mV/m at 1 km

Limit from	YVSE	T	HJKL	T		T	WEXS	T	HCMJ1	T	
IFRB Serial #	081001517		081003193		081031126				081003628		
Prefix/Freq	# 186/ 610		# 173/ 610		# 164/ 610		BL / 610		# 176/ 610		
arn	Operatin		Operatin		Proposal		930712AA		Operatin		
Distance (km)	854.4		1542.6		1540.2		970.5		2232.7		
Bearing	86.2		64.0		355.0		148.5		57.3		
Radiation on Gnd	2188.1		1694.9		895.0		285.0		2189.1		
Lower Angle	10.7		3.6		3.6		9.0		0.0		
Upper Angle	10.7		3.6		3.6		9.0		0.0		
Max Rad	2132.8		1690.4		892.5		280.9		2189.1		
Skywave Field	32.1		9.67		9.71		26.8		3.05		
Limit	13.68351		3.26832		1.73371		1.50275		1.33392		

Running RSS 13.6835

Nighttime limits to IRANDUBA BR S Lat 3 17 00 W Long 60 11 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Proposal 610 kHz Region 2 (50%) IFRB Serial No. 081031126
 Comments: All radiations are in mV/m at 1 km

Limit from	T	ZYI425 T	YVSE T	HJKL T	HCMJ1 T	CP 63 T	ZYI544 T	ZYL-268 S
IFRB Serial #	081001714	081010450	081001517	081003193	081003628	081000374	081031121	081010066
Prefix/Freq	# 184/ 610	# 169/ 610	# 186/ 610	# 173/ 610	# 176/ 610	# 172/ 610	# 168/ 610	# 167/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	1540.2	1080.5	1791.9	1773.9	2064.6	1707.0	1240.6	2563.6
Bearing	174.9	331.5	145.7	119.4	99.9	31.4	294.6	314.3
Radiation on Gnd	2188.1	688.0	2188.1	1694.9	2189.1	818.8	278.8	2151.1
Lower Angle	3.6	7.6	2.1	2.2	0.6	2.6	6.0	0.0
Upper Angle	3.6	7.6	2.1	2.2	0.6	2.6	6.0	0.0
Max Rad	2181.8	679.4	2186.0	1693.2	2188.9	817.6	276.8	2151.1
Skywave Field	9.71	22.5	5.88	6.08	3.79	6.89	17.1	2.11
Limit	4.23844	3.05672	2.57270	2.05765	1.65901	1.12616	0.94405	0.90816
Running RSS	4.2384	5.2257						

Nighttime limits to 4VJS DELMAS HA N Lat 18 33 00 W Long 72 19 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081000912
 Comments: All radiations are in mV/m at 1 km

Limit from	YVSE	T		T	HIJR	T	HJKL	T	HOHM	T	WIOD	A	WEXS	T	TIRPT	T	HRLP	T	HCMJ1	T
IFRB Serial #	081001517		081001714		081006000		081003193		081001090						081001968		081001817		081003628	
Prefix/Freq	# 186/ 610		# 184/ 610		# 175/ 610		# 173/ 610		# 181/ 610		BL / 610		BL / 610		# 174/ 610		# 179/ 610		# 176/ 610	
arn	Operatin		Operatin		Operatin		Operatin		Operatin				930712AA		Operatin		Operatin		Operatin	
Distance (km)	997.5		1474.8		200.5		1562.6		1312.9		1143.8		666.9		1585.4		1667.1		2187.8	
Bearing	340.7		308.5		243.3		6.8		35.4		133.6		276.1		51.6		70.6		17.7	
Radiation on Gnd	2188.1		2188.1		309.5		1694.9		978.6		686.2		285.0		978.6		978.6		2189.1	
Lower Angle	8.6		4.1		43.2		3.5		5.3		6.9		14.5		3.3		2.8		0.1	
Upper Angle	8.6		4.1		43.2		3.5		5.3		6.9		14.5		3.3		2.8		0.1	
Max Rad	2152.3		2179.9		201.9		1690.7		972.4		679.8		274.4		976.2		976.9		2189.1	
Skywave Field	25.6		11.0		91.9		9.28		15.0		20.1		41.1		8.84		7.46		3.23	
Limit	11.03641		4.80305		3.71072		3.13756		2.90958		2.73834		2.25624		1.72591		1.45717		1.41401	

Running RSS 11.0364

Limit from	YSS	T
IFRB Serial #	081001340	
Prefix/Freq	# 183/ 610	
arn	Operatin	
Distance (km)	1768.3	
Bearing	69.7	
Radiation on Gnd	978.6	
Lower Angle	2.2	
Upper Angle	2.2	
Max Rad	977.5	
Skywave Field	6.14	
Limit	1.19981	

Nighttime limits to CD61 BASE TENIENT HL CI S Lat 62 00 00 W Long 57 30 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Proposal 610 kHz Region 2 (50%) IFRB Serial No. 089006073
Comments: All radiations are in mV/m at 1 km

Limit from	CX4	T	
IFRB Serial #	081001413		
Prefix/Freq	# 185/ 610		
arn	Operatin		
Distance (km)	3030.9		
Bearing	181.3		
Radiation on Gnd	2188.1		
Lower Angle	0.0		
Upper Angle	0.0		
Max Rad	2188.1		
Skywave Field	1.40		
Limit	0.61193		
Running RSS	0.6119		

Nighttime limits to CFLO MONT-LAURIER QC CA N Lat 46 33 00 W Long 75 30 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Proposal 610 kHz Canadian (10%) IFRB Serial No. 12053
Comments: All radiations are in mV/m at 1 km

Limit from	CHNC S	CHNC A	WIP A	CKTB A	WTVN A	WSNG A	WGIR A	WTFX A	KDAL A	KCSP T
IFRB Serial #	000012054	12054		000012052						
Prefix/Freq	# 207/ 610	# 208/ 610	BL / 610	# 206/ 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610
arn	Operatin	Proposal	861110AE	Operatin	791010AJ		810805AD		980420KB	
Distance (km)	789.7	789.7	743.8	486.0	957.2	567.4	504.9	846.8	1270.9	1766.9
Bearing	261.9	261.9	357.7	35.2	36.7	340.7	322.5	14.3	84.8	55.4
Radiation on Gnd	923.6	923.6	788.2	726.5	816.4	414.4	292.5	285.6	491.4	690.9
Lower Angle	11.9	11.9	12.8	20.4	9.2	17.4	19.6	10.8	5.7	2.2
Upper Angle	11.9	11.9	12.8	20.4	9.2	17.4	19.6	10.8	5.7	2.2
Max Rad	882.6	882.6	787.0	571.8	821.7	364.9	219.0	281.0	488.8	690.2
Skywave Field	87.6	87.6	93.3	127.	68.6	115.	124.	81.5	40.6	15.5
Limit	15.46678	15.46659	14.68329	14.51526	11.27705	8.41965	5.43116	4.57851	3.96717	2.13304
Running RSS	15.4668	21.8732	26.3446	30.0787						

Nighttime limits to CFLO MONT-LAURIER QC CA N Lat 46 32 41 W Long 75 27 11 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Canadian (10%) IFRB Serial No. 12053
 Comments: All radiations are in mV/m at 1 km

Limit from	CHNC S	CHNC A	WIP A	CKTB A	WTVN A	WSNG A	WGIR A	WTFX A	KDAL A	KCSP T
IFRB Serial #	000012054	12054		000012052						
Prefix/Freq	# 207/ 610	# 208/ 610	BL / 610	# 206/ 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610
arn	Operatin	Proposal	861110AE	Operatin	791010AJ		810805AD		980420KB	
Distance (km)	786.4	786.4	743.1	487.7	959.2	565.6	502.1	847.2	1274.5	1770.0
Bearing	261.7	261.7	358.0	35.6	36.9	341.0	322.8	14.5	84.8	55.4
Radiation on Gnd	922.9	922.8	782.2	714.7	808.4	412.9	294.5	285.2	491.3	690.9
Lower Angle	11.9	11.9	12.8	20.3	9.1	17.4	19.7	10.8	5.7	2.2
Upper Angle	11.9	11.9	12.8	20.3	9.1	17.4	19.7	10.8	5.7	2.2
Max Rad	881.8	881.8	781.5	563.5	813.8	363.6	220.0	280.5	488.8	690.2
Skywave Field	88.0	88.0	93.4	127.	68.4	116.	124.	81.4	40.3	15.4
Limit	15.52201	15.52183	14.59485	14.27270	11.13487	8.40542	5.47504	4.56754	3.94047	2.12120
Running RSS	15.5220	21.9513	26.3604	29.9763						

Nighttime limits to CFLO MONT-LAURIER QC CA N Lat 46 32 41 W Long 75 27 11 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Proposal 610 kHz Canadian (10%) IFRB Serial No. 000012053
 Comments: All radiations are in mV/m at 1 km

Limit from	CHNC S	CHNC A	WIP A	CKTB A	WTVN A	WSNG A	WGIR A	WTFX A	KDAL A	KCSP T
IFRB Serial #	000012054	12054		000012052						
Prefix/Freq	# 207/ 610	# 208/ 610	BL / 610	# 206/ 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610
arn	Operatin	Proposal	861110AE	Operatin	791010AJ		810805AD		980420KB	
Distance (km)	786.4	786.4	743.1	487.7	959.2	565.6	502.1	847.2	1274.5	1770.0
Bearing	261.7	261.7	358.0	35.6	36.9	341.0	322.8	14.5	84.8	55.4
Radiation on Gnd	922.9	922.8	782.2	714.7	808.4	412.9	294.5	285.2	491.3	690.9
Lower Angle	11.9	11.9	12.8	20.3	9.1	17.4	19.7	10.8	5.7	2.2
Upper Angle	11.9	11.9	12.8	20.3	9.1	17.4	19.7	10.8	5.7	2.2
Max Rad	881.8	881.8	781.5	563.5	813.8	363.6	220.0	280.5	488.8	690.2
Skywave Field	88.0	88.0	93.4	127.	68.4	116.	124.	81.4	40.3	15.4
Limit	15.52201	15.52183	14.59485	14.27270	11.13487	8.40542	5.47504	4.56754	3.94047	2.12120
Running RSS	15.5220	21.9513	26.3604	29.9763						

Nighttime limits to CHNC NEW CARLISLE QC CA N Lat 48 01 19 W Long 65 14 52 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Proposal 610 kHz Canadian (10%) IFRB Serial No. 12054
 Comments: All radiations are in mV/m at 1 km

Limit from	WIP	A	WTVN	A	KDAL	A	CFLO	A	CKTB	A	WGIR	A	WTFX	A
IFRB Serial #							12053		000012052					
Prefix/Freq	BL / 610		BL / 610		BL / 610		# 198/ 610		# 206/ 610		BL / 610		BL / 610	
arn	861110AE		791010AJ		980420KB		Proposal		Operatin		810805AD			
Distance (km)	1200.5		1677.5		2022.4		789.7		1215.1		738.1		1429.2	
Bearing	37.7		51.5		76.0		74.3		58.1		38.9		42.4	
Radiation on Gnd	284.8		338.8		587.6		68.2		125.9		55.2		148.1	
Lower Angle	6.4		2.7		0.8		11.9		6.2		12.9		4.4	
Upper Angle	6.4		2.7		0.8		11.9		6.2		12.9		4.4	
Max Rad	284.5		339.9		587.5		67.0		123.0		51.7		147.0	
Skywave Field	45.9		18.3		10.1		87.6		44.8		94.1		30.2	
Limit	2.61297		1.24704		1.18499		1.17494		1.10201		0.97330		0.88753	

Running RSS 2.6130

Nighttime limits to CHNC NEW CARLISLE QC CA N Lat 48 01 19 W Long 65 14 52 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Canadian (10%) IFRB Serial No. 000012054
 Comments: All radiations are in mV/m at 1 km

Limit from	WIP	A	WTVN	A	KDAL	A	CFLO	A	CKTB	A	WGIR	A	WTFX	A
IFRB Serial #							12053		000012052					
Prefix/Freq	BL / 610		BL / 610		BL / 610		# 198/ 610		# 206/ 610		BL / 610		BL / 610	
arn	861110AE		791010AJ		980420KB		Proposal		Operatin		810805AD			
Distance (km)	1200.5		1677.5		2022.4		789.7		1215.1		738.1		1429.2	
Bearing	37.7		51.5		76.0		74.3		58.1		38.9		42.4	
Radiation on Gnd	284.8		338.8		587.6		68.2		125.9		55.2		148.1	
Lower Angle	6.4		2.7		0.8		11.9		6.2		12.9		4.4	
Upper Angle	6.4		2.7		0.8		11.9		6.2		12.9		4.4	
Max Rad	284.5		339.9		587.5		67.0		123.0		51.7		147.0	
Skywave Field	45.9		18.3		10.1		87.6		44.8		94.1		30.2	
Limit	2.61297		1.24704		1.18499		1.17494		1.10201		0.97330		0.88753	

Running RSS 2.6130

[illegible]

Nighttime limits to CHTM THOMPSON MB CA N Lat 55 42 08 W Long 97 52 54 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Canadian (10%) IFRB Serial No. 000012050
 Comments: All radiations are in mV/m at 1 km

Limit from	KDAL	A	KOJM	A	CKYL	T	CKTB	A	CHNL	S	KNML	A	KNML	A	KCSP	T	WTVN	A	WIP	A
IFRB Serial #							000012052													
Prefix/Freq	BL / 610		BL / 610		# 199/ 610		# 206/ 610		# 200/ 610		BL / 610		BP / 610		BL / 610		BL / 610		BL / 610	
arn	980420KB				Operatin		Operatin		Operatin				000629EY				791010AJ		861110AE	
Distance (km)	1073.8		1124.8		1199.0		1942.0		1585.7		2393.8		2393.7		1874.3		2072.7		2426.3	
Bearing	340.5		40.9		84.5		323.0		60.6		13.6		13.6		353.7		333.0		324.1	
Radiation on Gnd	1124.4		525.7		454.0		1235.7		449.0		1479.6		1471.1		690.9		881.3		1316.8	
Lower Angle	7.7		7.1		6.4		1.3		3.3		0.0		0.0		1.6		0.6		0.0	
Upper Angle	7.7		7.1		6.4		1.3		3.3		0.0		0.0		1.6		0.6		0.0	
Max Rad	1108.1		519.0		453.4		1234.7		446.8		1479.6		1471.1		690.5		881.3		1316.8	
Skywave Field	57.1		52.4		46.0		11.4		22.2		6.44		6.44		12.8		9.41		6.21	
Limit	12.65008		5.43882		4.17507		2.82347		1.98301		1.90605		1.89528		1.77149		1.65933		1.63422	

Running RSS 12.6501

Limit from	CJAT	S	CJAT	T	KVNU	S	KVNU	S	CFLO	A	CHNC	S	CHNC	A	CFLO	S	CFLO	T
IFRB Serial #	000012049		12049						12053		000012054		12054		12053		000012053	
Prefix/Freq	# 201/ 610		# 202/ 610		BP / 610		BL / 610		# 198/ 610		# 207/ 610		# 208/ 610		# 197/ 610		# 196/ 610	
arn	Operatin		Proposal		040309CL		820602AJ		Proposal		Operatin		Proposal		Operatin		Proposal	
Distance (km)	1525.4		1525.4		1862.0		1862.0		1851.1		2370.9		2370.9		1854.2		1854.2	
Bearing	53.8		53.8		28.3		28.3		311.5		303.3		303.3		311.5		311.5	
Radiation on Gnd	295.9		281.6		494.7		494.7		481.8		976.3		976.3		481.8		458.7	
Lower Angle	3.7		3.7		1.7		1.7		1.7		0.0		0.0		1.7		1.7	
Upper Angle	3.7		3.7		1.7		1.7		1.7		0.0		0.0		1.7		1.7	
Max Rad	295.2		280.9		494.4		494.4		481.5		976.3		976.3		481.5		458.4	
Skywave Field	25.1		25.1		13.1		13.1		13.3		6.57		6.57		13.3		13.3	
Limit	1.48210		1.41063		1.29480		1.29480		1.28447		1.28382		1.28381		1.27780		1.21666	

Nighttime limits to CJAT TRAIL BC CA N Lat 49 06 48 W Long 117 44 19 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Proposal 610 kHz Canadian (10%) IFRB Serial No. 12049
Comments: All radiations are in mV/m at 1 km

Limit from	KEAR	T	KOJM	A	KDAL	A	KRTA	A	CKYL	T	KONA	A	CHTM	T	KVNU	S	KVNU	S	KCSP	T
IFRB Serial #													000012050							
Prefix/Freq	BL / 610		BL / 610		BL / 610		BL / 610		# 199/ 610		BL / 610		# 203/ 610		BP / 610		BL / 610		BL / 610	
arn	900730AE				980420KB		841018AF		Operatin				Operatin		040309CL		820602AJ			
Distance (km)	1304.5		594.6		1913.9		843.1		786.3		341.7		1525.4		942.3		942.3		2150.0	
Bearing	14.8		278.8		287.4		25.8		183.0		16.5		249.6		333.3		333.3		309.1	
Radiation on Gnd	630.6		109.0		897.3		119.8		99.8		62.8		314.0		110.8		110.8		690.9	
Lower Angle	5.4		16.5		1.4		10.9		11.9		28.5		3.7		9.4		9.4		0.2	
Upper Angle	5.4		16.5		1.4		10.9		11.9		28.5		3.7		9.4		9.4		0.2	
Max Rad	626.2		107.2		896.9		118.0		96.7		52.8		313.2		102.0		102.0		690.9	
Skywave Field	38.2		112.		12.0		81.8		88.0		159.		25.1		70.2		70.2		8.51	
Limit	4.77946		2.40299		2.15168		1.93158		1.70155		1.67493		1.57267		1.43306		1.43306		1.17607	
Running RSS	4.7795		5.3495																	

Limit from	CHNL	S	CKRW	T	KAVL	S	KNML	A	KNML	A
IFRB Serial #			000120551							
Prefix/Freq	# 200/ 610		# 209/ 610		BL / 610		BL / 610		BP / 610	
arn	Operatin		Operatin		970612AA				000629EY	
Distance (km)	249.0		1683.8		1602.2		1808.5		1808.5	
Bearing	132.3		132.1		1.2		333.3		333.3	
Radiation on Gnd	66.7		273.6		215.2		295.3		294.5	
Lower Angle	37.0		2.7		3.2		2.0		2.0	
Upper Angle	37.0		2.7		3.2		2.0		2.0	
Max Rad	30.0		273.2		213.7		295.5		294.7	
Skywave Field	195.		18.1		21.4		14.4		14.4	
Limit	1.17102		0.98986		0.91565		0.84860		0.84619	

Nighttime limits to CJAT TRAIL BC CA N Lat 49 06 48 W Long 117 44 19 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Canadian (10%) IFRB Serial No. 000012049
 Comments: All radiations are in mV/m at 1 km

Limit from	KEAR	T	KOJM	A	KDAL	A	KRTA	A	CKYL	T	KONA	A	CHTM	T	KVNU	S	KVNU	S	KCSP	T
IFRB Serial #													000012050							
Prefix/Freq	BL / 610		BL / 610		BL / 610		BL / 610		# 199/ 610		BL / 610		# 203/ 610		BP / 610		BL / 610		BL / 610	
arn	900730AE				980420KB		841018AF		Operatin				Operatin		040309CL		820602AJ			
Distance (km)	1304.5		594.6		1913.9		843.1		786.3		341.7		1525.4		942.3		942.3		2150.0	
Bearing	14.8		278.8		287.4		25.8		183.0		16.5		249.6		333.3		333.3		309.1	
Radiation on Gnd	630.6		109.0		897.3		119.8		99.8		62.8		314.0		110.8		110.8		690.9	
Lower Angle	5.4		16.5		1.4		10.9		11.9		28.5		3.7		9.4		9.4		0.2	
Upper Angle	5.4		16.5		1.4		10.9		11.9		28.5		3.7		9.4		9.4		0.2	
Max Rad	626.2		107.2		896.9		118.0		96.7		52.8		313.2		102.0		102.0		690.9	
Skywave Field	38.2		112.		12.0		81.8		88.0		159.		25.1		70.2		70.2		8.51	
Limit	4.77946		2.40299		2.15168		1.93158		1.70155		1.67493		1.57267		1.43306		1.43306		1.17607	
Running RSS	4.7795		5.3495																	

Limit from	CHNL	S	CKRW	T	KAVL	S	KNML	A	KNML	A
IFRB Serial #			000120551							
Prefix/Freq	# 200/ 610		# 209/ 610		BL / 610		BL / 610		BP / 610	
arn	Operatin		Operatin		970612AA				000629EY	
Distance (km)	249.0		1683.8		1602.2		1808.5		1808.5	
Bearing	132.3		132.1		1.2		333.3		333.3	
Radiation on Gnd	66.7		273.6		215.2		295.3		294.5	
Lower Angle	37.0		2.7		3.2		2.0		2.0	
Upper Angle	37.0		2.7		3.2		2.0		2.0	
Max Rad	30.0		273.2		213.7		295.5		294.7	
Skywave Field	195.		18.1		21.4		14.4		14.4	
Limit	1.17102		0.98986		0.91565		0.84860		0.84619	

Nighttime limits to CKRW WHITEHORSE YT CA N Lat 60 41 33 W Long 134 58 09 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Canadian (10%) IFRB Serial No. 000120551
Comments: All radiations are in mV/m at 1 km

Limit from	CKYL	T	CHNL	S	KONA	A	KRTA	A	CJAT	S
IFRB Serial #									000012049	
Prefix/Freq	# 199/ 610		# 200/ 610		BL / 610		BL / 610		# 201/ 610	
arn	Operatin		Operatin				841018AF		Operatin	
Distance (km)	1145.6		1441.3		1916.3		2194.7		1683.8	
Bearing	303.3		326.4		333.1		342.2		326.3	
Radiation on Gnd	1264.2		1043.9		922.2		956.7		295.9	
Lower Angle	6.9		4.3		1.4		0.0		2.7	
Upper Angle	6.9		4.3		1.4		0.0		2.7	
Max Rad	1256.8		1039.1		921.5		956.7		295.5	
Skywave Field	50.4		29.5		11.9		8.04		18.1	
Limit	12.67382		6.13049		2.20184		1.53861		1.07063	

Running RSS 12.6738

Nighttime limits to CKTB ST. CATHARINES ON CA N Lat 43 02 12 W Long 79 10 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Canadian (10%) IFRB Serial No. 000012052
Comments: All radiations are in mV/m at 1 km

Limit from	WIP	A	WTVN	A	WTFX	A	WSNG	A	CHNC	A	CHNC	S	CFLO	S	CFLO	A	CFLO	T	KCSP	T
IFRB Serial #									12054		000012054		12053		12053		000012053			
Prefix/Freq	BL / 610		BL / 610		BL / 610		BL / 610		# 208/ 610		# 207/ 610		# 197/ 610		# 198/ 610		# 196/ 610		BL / 610	
arn	861110AE		791010AJ						Proposal		Operatin		Operatin		Proposal		Proposal			
Distance (km)	488.2		473.6		434.1		521.7		1215.1		1215.1		487.7		486.0		487.7		1370.7	
Bearing	317.5		40.8		349.8		287.9		248.0		248.0		218.2		217.8		218.2		65.9	
Radiation on Gnd	1321.9		644.9		321.1		356.5		830.0		764.7		223.7		221.2		212.8		690.9	
Lower Angle	20.3		21.0		22.8		19.0		6.2		6.2		20.3		20.4		20.3		4.9	
Upper Angle	20.3		21.0		22.8		19.0		6.2		6.2		20.3		20.4		20.3		4.9	
Max Rad	1222.1		689.3		306.8		305.2		818.1		752.8		207.2		204.9		197.1		687.1	
Skywave Field	127.		129.		136.		122.		44.8		44.8		127.		127.		127.		33.7	
Limit	30.93669		17.77068		8.35043		7.41830		7.32681		6.74174		5.24930		5.20191		4.99382		4.63686	
Running RSS	30.9367		35.6774																	

Limit from	WGIR	A	WVBE-P	S
IFRB Serial #				
Prefix/Freq	BL / 610		# 1/ 610	
arn	810805AD			
Distance (km)	624.5		641.8	
Bearing	272.8		6.4	
Radiation on Gnd	198.3		173.2	
Lower Angle	15.6		15.2	
Upper Angle	15.6		15.2	
Max Rad	191.5		160.5	
Skywave Field	108.		106.	
Limit	4.15287		3.41390	

Nighttime limits to CKXJ GRAND BANK NF CA N Lat 47 05 45 W Long 55 47 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Proposal 610 kHz Canadian (10%) IFRB Serial No. 12051
Comments: All radiations are in mV/m at 1 km

Limit from	CHNC A	CHNC S	WGIR A	WIP A
IFRB Serial #	12054	000012054		
Prefix/Freq	# 208/ 610	# 207/ 610	BL / 610	BL / 610
arn	Proposal	Operatin	810805AD	861110AE
Distance (km)	717.1	717.1	1310.8	1747.8
Bearing	94.7	94.7	64.3	56.3
Radiation on Gnd	231.1	231.1	204.3	282.6
Lower Angle	13.3	13.3	5.4	2.3
Upper Angle	13.3	13.3	5.4	2.3
Max Rad	252.0	252.0	203.3	282.3
Skywave Field	96.9	96.9	37.7	16.0
Limit	4.88513	4.88423	1.53411	0.90317
Running RSS	4.8851	6.9080		

Nighttime limits to CKXJ GRAND BANK NF CA N Lat 47 05 45 W Long 55 47 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Canadian (10%) IFRB Serial No. 000012051
Comments: All radiations are in mV/m at 1 km

Limit from	CHNC A	CHNC S	WGIR A	WIP A
IFRB Serial #	12054	000012054		
Prefix/Freq	# 208/ 610	# 207/ 610	BL / 610	BL / 610
arn	Proposal	Operatin	810805AD	861110AE
Distance (km)	717.1	717.1	1310.8	1747.8
Bearing	94.7	94.7	64.3	56.3
Radiation on Gnd	231.1	231.1	204.3	282.6
Lower Angle	13.3	13.3	5.4	2.3
Upper Angle	13.3	13.3	5.4	2.3
Max Rad	252.0	252.0	203.3	282.3
Skywave Field	96.9	96.9	37.7	16.0
Limit	4.88513	4.88423	1.53411	0.90317
Running RSS	4.8851	6.9080		

Nighttime limits to CP 63 LA PAZ BL S Lat 16 30 00 W Long 68 08 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081000374
 Comments: All radiations are in mV/m at 1 km

Limit from	ZYI425 T	HCMJ1 T	ZP 30 T	T	CX4 T	HJKL T
IFRB Serial #	081010450	081003628	081001762	081031126	081001413	081003193
Prefix/Freq	# 169/ 610	# 176/ 610	# 182/ 610	# 164/ 610	# 185/ 610	# 173/ 610
arn	Operatin	Operatin	Operatin	Proposal	Operatin	Operatin
Distance (km)	1451.0	2142.1	1066.8	1707.0	2348.3	2434.9
Bearing	247.7	148.5	306.0	210.1	326.8	164.6
Radiation on Gnd	688.0	2189.1	309.5	895.0	2188.1	1694.9
Lower Angle	4.2	0.3	7.8	2.6	0.0	0.0
Upper Angle	4.2	0.3	7.8	2.6	0.0	0.0
Max Rad	685.3	2189.0	305.5	893.7	2188.1	1694.9
Skywave Field	11.5	3.42	23.0	6.89	2.67	2.44
Limit	1.58004	1.49826	1.40323	1.23098	1.16903	0.82876

Running RSS 1.5800 2.1775 2.5904

Nighttime limits to CX4 MONTEVIDEO UY S Lat 34 45 00 W Long 56 15 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081001413
 Comments: All radiations are in mV/m at 1 km

This is a class A station so its skywave service area must be protected.

It is not protected on an RSS basis at its antenna site.

Nonetheless, we will do the RSS study at its site.

Limit from	ZP 30 T	CP 63 T
IFRB Serial #	081001762	081000374
Prefix/Freq	# 182/ 610	# 172/ 610
arn	Operatin	Operatin
Distance (km)	1429.1	2348.3
Bearing	165.8	152.0
Radiation on Gnd	309.5	818.8
Lower Angle	4.4	0.0
Upper Angle	4.4	0.0
Max Rad	308.2	818.8
Skywave Field	12.0	2.67
Limit	0.74097	0.43745
Running RSS	0.7410	0.8605

Nighttime limits to HCMJ1 QUITO 2 EC S Lat 0 10 00 W Long 78 30 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081003628
 Comments: All radiations are in mV/m at 1 km

This is a class A station so its skywave service area must be protected.

It is not protected on an RSS basis at its antenna site.

Nonetheless, we will do the RSS study at its site.

Limit from	HJKL T	HOHM T	YVSE T	TIRPT T	T	HRLP T
IFRB Serial #	081003193	081001090	081001517	081001968	081001714	081001817
Prefix/Freq	# 173/ 610	# 181/ 610	# 186/ 610	# 174/ 610	# 184/ 610	# 179/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	723.4	1027.2	1536.6	1282.3	2232.7	1851.5
Bearing	223.0	173.7	222.6	151.0	238.9	148.0
Radiation on Gnd	1694.9	978.6	2188.1	978.6	2188.1	978.6
Lower Angle	13.2	8.2	3.6	5.6	0.0	1.7
Upper Angle	13.2	8.2	3.6	5.6	0.0	1.7
Max Rad	1635.2	964.0	2181.8	971.7	2188.1	977.9
Skywave Field	38.2	24.4	9.78	15.8	3.05	5.31
Limit	12.50519	4.71228	4.26817	3.07476	1.33336	1.03785

Running RSS 12.5052

Nighttime limits to HIJR SANTIAGO 1 DR N Lat 19 22 00 W Long 70 37 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz NARBA (10%) IFRB Serial No. 081006000
Comments: All radiations are in mV/m at 1 km

Limit from	YVSE T	T	4VJS T	WEXS T	HJKL T	WIOD A	HOHM T	HCMJ1 T	TIRPT T	HRLP T
IFRB Serial #	081001517	081001714	081000912		081003193		081001090	081003628	081001968	081001817
Prefix/Freq	# 186/ 610	# 184/ 610	# 180/ 610	BL / 610	# 173/ 610	BL / 610	# 181/ 610	# 176/ 610	# 174/ 610	# 179/ 610
arn	Operatin	Operatin	Operatin	930712AA	Operatin		Operatin	Operatin	Operatin	Operatin
Distance (km)	1041.4	1394.9	200.5	506.6	1683.8	1214.9	1496.1	2335.7	1784.0	1863.7
Bearing	351.8	315.9	62.8	288.0	12.6	124.4	38.8	21.2	52.5	69.3
Radiation on Gnd	2188.1	2188.1	195.7	285.0	1694.9	641.1	978.6	2189.1	978.6	978.6
Lower Angle	5.8	3.0	35.1	14.6	1.2	4.4	2.3	0.0	0.7	0.4
Upper Angle	10.2	6.4	51.2	24.2	4.1	8.2	5.5	0.0	3.4	2.8
Max Rad	2171.7	2183.7	148.1	274.2	1694.4	638.8	977.4	2189.1	978.5	978.5
Skywave Field	54.6	29.9	267.	128.	17.6	40.8	25.0	6.89	14.8	12.9
Limit	23.71175	13.05770	7.90379	7.00729	5.97923	5.21614	4.88785	3.01612	2.89241	2.53153
Running RSS	23.7118	27.0694								

Nighttime limits to HJKL BOGOTA 3 CO N Lat 4 36 00 W Long 74 04 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081003193
 Comments: All radiations are in mV/m at 1 km

This is a class A station so its skywave service area must be protected.

It is not protected on an RSS basis at its antenna site.

Nonetheless, we will do the RSS study at its site.

Limit from	HCMJ1 T	YVSE T	HOHM T	T	TIRPT T	HRLP T
IFRB Serial #	081003628	081001517	081001090	081001714	081001968	081001817
Prefix/Freq	# 176/ 610	# 186/ 610	# 181/ 610	# 184/ 610	# 174/ 610	# 179/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	723.4	813.4	775.5	1542.6	1252.6	1785.8
Bearing	42.8	221.6	128.9	245.7	117.6	124.9
Radiation on Gnd	2189.1	2188.1	978.6	2188.1	978.6	978.6
Lower Angle	13.2	11.4	12.1	3.6	5.9	2.1
Upper Angle	13.2	11.4	12.1	3.6	5.9	2.1
Max Rad	2105.4	2125.5	947.0	2181.8	971.0	977.6
Skywave Field	38.2	33.8	35.6	9.67	16.7	5.95
Limit	16.10115	14.37792	6.73514	4.21841	3.24300	1.16314
Running RSS	16.1011	21.5864				

Nighttime limits to HOHM RPC PM N Lat 9 01 06 W Long 79 30 15 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081001090
Comments: All radiations are in mV/m at 1 km

Limit from	HJKL T	HCMJ1 T	YVSE T	TIRPT T	HRLP T	YSS T	TGGA T	T	HRLP 4 T
IFRB Serial #	081003193	081003628	081001517	081001968	081001817	081001340	081000822	081001714	081001816
Prefix/Freq	# 173/ 610	# 176/ 610	# 186/ 610	# 174/ 610	# 179/ 610	# 183/ 610	# 177/ 610	# 184/ 610	# 178/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Proposal
Distance (km)	775.5	1027.2	1136.0	510.9	1011.6	1060.7	1359.5	1990.3	1192.8
Bearing	309.6	353.8	264.8	101.3	122.9	117.7	116.0	266.8	121.4
Radiation on Gnd	1694.9	2189.1	2188.1	978.6	978.6	978.6	692.0	2188.1	309.5
Lower Angle	12.1	8.2	7.0	19.4	8.4	7.8	5.0	1.0	6.4
Upper Angle	12.1	8.2	7.0	19.4	8.4	7.8	5.0	1.0	6.4
Max Rad	1644.6	2156.4	2164.3	899.4	963.2	965.3	688.1	2187.7	306.7
Skywave Field	35.6	24.4	20.4	49.0	25.1	23.2	13.7	4.21	18.5
Limit	11.69596	10.54140	8.84390	8.81589	4.82897	4.47550	1.88835	1.84004	1.13609
Running RSS	11.6960	15.7454	18.0591						

Nighttime limits to HRLP TEGUCIGALPA HO N Lat 14 04 00 W Long 87 14 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081001817
Comments: All radiations are in mV/m at 1 km

Limit from	YSS T	TIRPT T	TGGA T	HOHM T	HRLP 4 T	HCMJ1 T	HJKL T	WIOD A	YVSE T	XEKZ T
IFRB Serial #	081001340	081001968	081000822	081001090	081001816	081003628	081003193		081001517	
Prefix/Freq	# 183/ 610	# 174/ 610	# 177/ 610	# 181/ 610	# 178/ 610	# 176/ 610	# 173/ 610	BL / 610	# 186/ 610	# 189/ 610
arn	Operatin	Operatin	Operatin	Operatin	Proposal	Operatin	Operatin		Operatin	Operatin
Distance (km)	103.3	572.7	369.5	1011.6	182.5	1851.5	1785.8	1503.5	2008.7	895.1
Bearing	58.5	323.4	99.1	304.4	115.0	329.1	307.0	210.7	284.5	105.5
Radiation on Gnd	978.6	978.6	692.0	978.6	309.5	2189.1	1694.9	945.5	2188.1	290.5
Lower Angle	61.4	17.2	26.6	8.4	46.0	1.7	2.1	3.9	0.9	10.1
Upper Angle	61.4	17.2	26.6	8.4	46.0	1.7	2.1	3.9	0.9	10.1
Max Rad	389.4	915.8	590.3	963.2	190.1	2187.6	1693.4	942.6	2187.7	283.9
Skywave Field	174.	45.7	60.1	25.1	100.	5.31	5.95	10.4	4.09	30.1
Limit	13.56994	8.36427	7.09076	4.82897	3.80840	2.32168	2.01478	1.96610	1.78992	1.71044
Running RSS	13.5699	15.9406								

Limit from	KILT A
IFRB Serial #	
Prefix/Freq	BL / 610
arn	
Distance (km)	1952.5
Bearing	152.7
Radiation on Gnd	1517.8
Lower Angle	1.2
Upper Angle	1.2
Max Rad	1517.0
Skywave Field	4.47
Limit	1.35680

Nighttime limits to HRLP 4 S ROSA COPAN HO N Lat 14 46 00 W Long 88 46 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Proposal 610 kHz Region 2 (50%) IFRB Serial No. 081001816
Comments: All radiations are in mV/m at 1 km

Limit from	YSS T	HRLP T	TGGA T	TIRPT T	HOHM T	XEKZ T	WIOD A	HCMJ1 T	KILT A	HJKL T
IFRB Serial #	081001340	081001817	081000822	081001968	081001090			081003628		081003193
Prefix/Freq	# 183/ 610	# 179/ 610	# 177/ 610	# 174/ 610	# 181/ 610	# 189/ 610	BL / 610	# 176/ 610	BL / 610	# 173/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin		Operatin		Operatin
Distance (km)	152.6	182.5	199.7	739.7	1192.8	714.7	1523.4	2007.7	1817.2	1966.0
Bearing	329.7	295.4	85.0	316.9	303.3	103.5	217.7	326.2	156.5	306.1
Radiation on Gnd	978.6	978.6	692.0	978.6	978.6	290.5	947.0	2189.1	1539.2	1694.9
Lower Angle	51.1	46.0	43.4	12.8	6.4	13.4	3.7	0.9	1.9	1.1
Upper Angle	51.1	46.0	43.4	12.8	6.4	13.4	3.7	0.9	1.9	1.1
Max Rad	531.9	601.1	449.5	943.3	969.6	279.1	944.3	2188.7	1537.0	1694.5
Skywave Field	116.	100.	92.2	37.4	18.5	38.7	10.0	4.10	5.63	4.37
Limit	12.31231	12.04128	8.29009	7.04814	3.59207	2.16089	1.89505	1.79327	1.73070	1.48255
Running RSS	12.3123	17.2217								

Nighttime limits to KARV RUSSELLVILLE AR US N Lat 35 17 56 W Long 93 09 09 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-800122AD 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KCSP	T	WEZN	A	WAGG	T	WREC	A	YVSE	T	WIOD	A	KILT	A	HRLP	T	HCMJ1	T	YSS	T
IFRB Serial #									081001517						081001817		081003628		081001340	
Prefix/Freq	BL / 610		BL / 610		BL / 610		BL / 600		# 186/ 610		BL / 610		BL / 610		# 179/ 610		# 176/ 610		# 183/ 610	
arn					4749		801205AC		Operatin						Operatin		Operatin		Operatin	
Distance (km)	430.1		609.7		609.7		285.7		3704.2		1625.7		635.0		2433.8		4225.8		2467.9	
Bearing	161.8		291.0		291.0		273.2		322.9		313.4		19.0		347.0		340.4		348.9	
Radiation on Gnd	690.9		296.3		276.7		859.4		2188.1		607.5		145.8		978.6		2189.1		978.6	
Lower Angle	17.5		11.9		11.9		26.1		0.0		1.4		11.3		0.0		0.0		0.0	
Upper Angle	28.1		20.0		20.0		39.3		0.0		4.7		19.2		0.1		0.0		0.0	
Max Rad	643.8		283.4		264.5		717.0		2188.1		607.3		143.8		978.6		2189.1		978.6	
Skywave Field	143.		92.8		92.8		224.		5.98		21.1		89.2		12.6		5.62		12.4	
Limit	18.40052		5.26026		4.90950		3.21421		2.61820		2.56509		2.56322		2.47227		2.46020		2.43448	
Running RSS	18.4005 %		19.1376		19.7573 %		20.0171		20.1876		20.3499		20.5107		20.6592		20.8051		20.9471	

Limit from	HJKL	T
IFRB Serial #	081003193	
Prefix/Freq	# 173/ 610	
arn	Operatin	
Distance (km)	3935.6	
Bearing	332.6	
Radiation on Gnd	1694.9	
Lower Angle	0.0	
Upper Angle	0.0	
Max Rad	1694.9	
Skywave Field	5.94	
Limit	2.01204	

Running RSS 21.0435

RSS 9.3% Exclusion 21.5850

Nighttime limits to KAVL LANCASTER CA US N Lat 34 42 22 W Long 118 10 36 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-970612AA 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KEAR	T	KVNU	S	KVNU	S	KOGO	A	XEGS	T	KTAR	A	KNML	A	KNML	A	KCSP	T
IFRB Serial #																		
Prefix/Freq	BL / 610		BP / 610		BL / 610		BL / 600		# 190/ 610		BL / 620		BL / 610		BP / 610		BL / 610	
arn	900730AE		040309CL		820602AJ				Proposal						000629EY			
Distance (km)	508.2		946.9		946.9		243.2		1379.9		584.6		1050.3		1050.4		2142.0	
Bearing	132.2		217.1		217.1		335.4		319.9		285.2		271.3		271.3		264.5	
Radiation on Gnd	630.6		390.8		390.8		600.4		354.5		902.2		205.1		204.0		690.9	
Lower Angle	14.7		6.5		6.5		30.1		2.8		12.5		5.4		5.4		0.0	
Upper Angle	24.0		12.0		12.0		43.9		6.7		20.9		10.4		10.4		1.5	
Max Rad	599.0		388.2		388.2		525.9		353.9		870.0		202.8		201.7		690.9	
Skywave Field	119.		48.1		48.1		254.		30.2		100.		42.6		42.6		11.2	
Limit	14.28763		3.73396		3.73396		2.67311		2.13891		1.73925		1.72716		1.71710		1.55100	

Running RSS	14.2876 %	14.7675	15.2322 %	15.4650	15.6122	15.7088	15.8035	15.8965	15.9720
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RSS 9.7% Exclusion 16.0326

Nighttime limits to KCOL WELLINGTON CO US N Lat 40 39 00 W Long 105 02 51 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-850919AC 600 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	KSJB	A	XE	T	WMT	S	KROD	A	KTBB	A	KOGO	A	KGEZ	A	WREC	A	KNML	A	KNML	A
IFRB Serial #																				
Prefix/Freq	BL / 600	# 124/ 600			BL / 600		BL / 600		BL / 600		BL / 600		BL / 600		BL / 600		BL / 610		BP / 610	
arn		Proposal					960306SV		830705AH				810915AD		801205AC				000629EY	
Distance (km)	853.4	1240.9			1136.4		978.5		1279.7		1385.5		1109.8		1449.0		640.5		640.3	
Bearing	218.8	24.0			266.6		6.7		319.5		47.1		135.4		299.2		12.3		12.3	
Radiation on Gnd	1118.8	966.1			1005.7		634.3		948.2		611.2		511.5		564.4		1486.3		1477.7	
Lower Angle	7.6	3.8			4.7		6.2		3.5		2.8		4.9		2.4		11.2		11.2	
Upper Angle	13.7	8.1			9.3		11.5		7.7		6.7		9.6		6.1		19.0		19.0	
Max Rad	1091.3	963.0			1001.8		623.6		945.3		608.8		509.4		563.7		1445.0		1436.9	
Skywave Field	45.7	31.9			29.8		46.1		28.9		26.1		29.1		21.9		85.1		85.1	
Limit	9.97672	6.13803			5.97959		5.74412		5.46919		3.17207		2.96525		2.46682		2.45977		2.44661	
Running RSS	9.9767	11.7137			13.1516 %		14.3513		15.3582 %		15.6823		15.9602		16.1497		16.3360		16.5181	

Limit from	CJWW	S	CJWW	S	CJWW	S	CKBD	S	HJHJ	T
IFRB Serial #	12046						000012040		081003191	
Prefix/Freq	# 99/ 600	# 100/ 600	# 98/ 600	# 126/ 600	# 108/ 600					
arn	Operatin	Proposal	Operatin	Operatin	Operatin					
Distance (km)	1281.1	1277.2	1277.2	1695.7	4893.8					
Bearing	173.4	173.3	173.3	117.2	326.6					
Radiation on Gnd	616.6	611.0	610.3	817.1	2188.1					
Lower Angle	3.5	3.6	3.6	1.0	0.0					
Upper Angle	7.7	7.7	7.7	4.2	0.0					
Max Rad	613.3	607.4	606.7	817.1	2188.1					
Skywave Field	19.0	19.1	19.1	12.6	3.34					
Limit	2.32853	2.32410	2.32133	2.05365	1.46382					
Running RSS	16.6815	16.8426	17.0018	17.1254	17.1878					
RSS	8.4% Exclusion	17.3690								

Nighttime limits to KCSP KANSAS CITY MO US N Lat 38 59 03 W Long 94 37 42 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WMT	S	YVSE	T	HCMJ1	T	WIP	A	HRLP	T	YSS	T	WIOD	A	HJKL	T		T	KMNS	A
IFRB Serial #			081001517		081003628				081001817		081001340				081003193		081001714			
Prefix/Freq	BL / 600	# 186/ 610		# 176/ 610		BL / 610	# 179/ 610	# 183/ 610		BL / 610	# 173/ 610	# 184/ 610		BL / 620						
arn		Operatin		Operatin		861110AE	Operatin	Operatin			Operatin	Operatin			850709AC					
Distance (km)	429.9		4083.7		4652.9		1675.6		2863.7		2897.1		1989.2		4348.5		4564.0		406.6	
Bearing	218.3		326.1		341.1		272.9		346.7		348.3		320.8		334.4		319.6		157.2	
Radiation on Gnd	983.6		2188.1		2189.1		592.5		978.6		978.6		577.0		1694.9		2188.1		498.0	
Lower Angle	17.5		0.0		0.0		1.1		0.0		0.0		0.0		0.0		0.0		18.6	
Upper Angle	28.1		0.0		0.0		4.3		0.0		0.0		2.4		0.0		0.0		29.5	
Max Rad	915.5		2188.1		2189.1		593.8		978.6		978.6		577.0		1694.9		2188.1		461.9	
Skywave Field	136.		4.55		4.39		14.6		8.78		8.69		14.1		4.56		3.48		146.	
Limit	2.49495		1.98981		1.92260		1.73379		1.71881		1.70124		1.63019		1.54635		1.52292		1.35218	
Running RSS	2.4950		3.1913		3.7257 %		4.1093		4.4543		4.7681		5.0391		5.2710		5.4866 %		5.6508	

Limit from	KMNS	A	TIRPT	T	TGGA	T	XEBX	T	HOHM	T	XEGS	T	KEAR	T	KDAL	A	KILT	A	XEEL	T
IFRB Serial #			081001968		081000822				081001090											
Prefix/Freq	BP / 620	# 174/ 610		# 177/ 610		# 187/ 610	# 181/ 610	# 190/ 610		BL / 610	BL / 610	BL / 610	# 195/ 610							
arn	060314CF	Operatin		Operatin		Operatin	Operatin	Proposal		900730AE	980420KB		Operatin							
Distance (km)	406.8		3394.4		2737.5		1374.0		3656.5		1978.5		2404.1		882.9		1010.6		1922.3	
Bearing	157.2		343.7		352.5		24.3		338.1		37.5		78.4		193.9		3.9		22.0	
Radiation on Gnd	497.8		978.6		692.0		218.8		978.6		354.5		630.6		108.5		97.7		264.5	
Lower Angle	18.6		0.0		0.0		2.9		0.0		0.0		0.0		7.3		5.8		0.0	
Upper Angle	29.5		0.0		0.0		6.8		0.0		2.4		0.3		13.1		11.0		2.7	
Max Rad	461.7		978.6		692.0		218.4		978.6		354.5		630.6		105.8		98.4		264.5	
Skywave Field	146.		6.84		9.52		27.3		5.97		14.9		8.29		42.9		44.2		16.0	
Limit	1.35073		1.33932		1.31822		1.19301		1.16815		1.05419		1.04583		0.90847		0.86858		0.84439	
Running RSS	5.8100		5.9624		6.1063		6.2218		6.3305		6.4177		6.5023		6.5655		6.6227		6.6763	

Limit from	CFLO A	CFLO S	WEZN A	WFNZ A	WFNZ A	KNML A	KNML A	CFLO T	ZYL-268 S	CX4 T
IFRB Serial #	12053	12053						000012053	081010066	081001413
Prefix/Freq	# 198/ 610	# 197/ 610	BL / 610	BL / 610	BP / 610	BP / 610	BL / 610	# 196/ 610	# 167/ 610	# 185/ 610
arn	Proposal	Operatin		14470	050113AD	000629EY		Proposal	Operatin	Operatin
Distance (km)	1766.9	1770.0	924.5	1282.8	1283.2	1154.0	1154.1	1770.0	8414.6	9098.0
Bearing	248.5	248.6	313.5	292.7	292.7	64.1	64.1	248.6	321.6	330.8
Radiation on Gnd	381.2	381.5	80.2	141.4	141.4	111.9	111.9	363.2	2237.9	2188.1
Lower Angle	0.7	0.7	6.8	3.5	3.5	4.5	4.5	0.7	0.0	0.0
Upper Angle	3.7	3.7	12.4	7.7	7.7	9.1	9.1	3.7	0.0	0.0
Max Rad	381.1	381.5	79.5	140.7	140.7	111.6	111.6	363.2	2237.9	2188.1
Skywave Field	10.4	10.4	48.8	27.2	27.1	34.1	34.1	10.4	1.67	1.67
Limit	0.79540	0.79302	0.77553	0.76432	0.76383	0.76072	0.76063	0.75497	0.74536	0.73302
Running RSS	6.7235	6.7701	6.8144	6.8571	6.8995	6.9414	6.9829	7.0236	7.0630	7.1010

Nighttime limits to KCSP KANSAS CITY MO US N Lat 38 59 03 W Long 94 37 42 Date 30-MAY-06 RMB&A LIM Page 2
File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WAGG	T
IFRB Serial #		
Prefix/Freq	BL / 610	
arn	4749	
Distance (km)	924.5	
Bearing	313.5	
Radiation on Gnd	75.7	
Lower Angle	6.8	
Upper Angle	12.4	
Max Rad	75.1	
Skywave Field	48.8	
Limit	0.73225	

Running RSS 7.1386

RSS 9.9% Exclusion 7.4057

Nighttime limits to KDAL DULUTH MN US N Lat 46 43 14 W Long 92 10 36 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-980420KB 610 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	KCSP	T	WIP	A	WTVN	A	CKTB	A	KNML	A	KNML	A	WTFX	A	CFLO	A	CFLO	S	WTMJ	A
IFRB Serial #							000012052								12053		12053			
Prefix/Freq	BL / 610		BL / 610		BL / 610		# 206/ 610		BL / 610		BP / 610		BL / 610		# 198/ 610		# 197/ 610		BL / 620	
arn			861110AE		791010AJ		Operatin				000629EY				Proposal		Operatin		950222AD	
Distance (km)	882.9		1572.5		1063.3		1102.1		1775.3		1775.2		1406.9		1270.9		1274.5		551.7	
Bearing	12.3		304.6		318.7		296.3		38.6		38.6		311.0		276.9		277.0		325.4	
Radiation on Gnd	690.9		1215.2		399.3		463.5		652.6		652.5		420.2		458.8		458.9		718.1	
Lower Angle	7.3		1.7		5.3		5.0		0.6		0.6		2.7		3.6		3.6		13.4	
Upper Angle	13.1		5.1		10.3		9.7		3.7		3.7		6.5		7.8		7.7		22.2	
Max Rad	682.5		1214.6		414.0		456.6		652.6		652.5		419.3		457.4		457.5		783.4	
Skywave Field	42.9		12.8		29.0		23.9		13.1		13.1		16.8		14.9		14.8		83.9	
Limit	5.86095		3.09891		2.39925		2.18373		1.71437		1.71429		1.40716		1.36168		1.35329		1.31534	
Running RSS	5.8610		6.6298 %		7.0506		7.3810 %		7.5775		7.7690		7.8954		8.0119		8.1254		8.2312	

Limit from	CFLO	T	YVSE	T	HCMJ1	T	WEZN	A	WAGG	T	WMT	S	KOJM	A	KSJB	A	CHTM	T		T
IFRB Serial #	000012053		081001517		081003628												000012050		081001714	
Prefix/Freq	# 196/ 610		# 186/ 610		# 176/ 610		BL / 610		BL / 610		BL / 600		BL / 610		BL / 600		# 203/ 610		# 184/ 610	
arn	Proposal		Operatin		Operatin				4749								Operatin		Operatin	
Distance (km)	1274.5		4613.0		5380.5		1537.1		1537.1		520.5		1321.8		497.5		1073.8		4958.9	
Bearing	277.0		336.2		347.5		344.6		344.6		354.7		92.4		88.9		156.0		330.0	
Radiation on Gnd	436.9		2188.1		2189.1		349.7		332.9		595.3		370.6		650.8		314.0		2188.1	
Lower Angle	3.6		0.0		0.0		1.9		1.9		14.3		3.2		15.0		5.2		0.0	
Upper Angle	7.7		0.0		0.0		5.4		5.4		23.5		7.3		24.5		10.1		0.0	
Max Rad	435.6		2188.1		2189.1		349.3		332.6		587.3		369.7		586.4		312.4		2188.1	
Skywave Field	14.8		2.87		2.78		17.3		17.3		93.6		14.6		91.3		17.1		2.37	
Limit	1.28851		1.25569		1.21694		1.21101		1.15282		1.09967		1.07962		1.07129		1.06679		1.03572	
Running RSS	8.3314		8.4255		8.5130		8.5987		8.6756		8.7450		8.8114		8.8763		8.9402		9.0000	

Limit from	HJKL	T	HRLP	T
IFRB Serial #	081003193		081001817	
Prefix/Freq	# 173/ 610		# 179/ 610	
arn	Operatin		Operatin	
Distance (km)	4996.1		3659.6	
Bearing	342.4		353.8	
Radiation on Gnd	1694.9		978.6	
Lower Angle	0.0		0.0	
Upper Angle	0.0		0.0	
Max Rad	1694.9		978.6	
Skywave Field	2.86		4.57	
Limit	0.96937		0.89437	
Running RSS	9.0520		9.0961	
RSS 9.5% Exclusion	9.3839			

Nighttime limits to KEAR SAN FRANCISCO CA US N Lat 37 50 58 W Long 122 17 44 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-900730AE 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	CJAT S	CJAT T	KOGO A	XEGS T	KCSP T	KNML A	KNML A	HCMJ1 T	KAVL S	KIGS A
IFRB Serial #	000012049	12049						081003628		
Prefix/Freq	# 201/ 610	# 202/ 610	BL / 600	# 190/ 610	BL / 610	BL / 610	BP / 610	# 176/ 610	BL / 610	BL / 620
arn	Operatin	Proposal		Proposal			000629EY	Operatin	970612AA	
Distance (km)	1304.5	1304.5	741.3	1888.1	2404.1	1431.0	1431.0	6156.8	508.2	295.4
Bearing	198.0	198.0	321.7	319.8	275.8	287.2	287.2	318.4	314.6	305.8
Radiation on Gnd	295.9	281.6	892.5	354.5	690.9	224.6	224.0	2189.1	32.7	290.0
Lower Angle	3.4	3.4	9.3	0.1	0.0	2.5	2.5	0.0	14.7	25.3
Upper Angle	7.4	7.4	16.2	3.0	0.3	6.2	6.2	0.0	24.0	38.3
Max Rad	295.3	281.0	876.1	354.5	690.9	223.8	223.2	2189.1	45.4	248.2
Skywave Field	24.6	24.6	72.2	17.1	8.29	25.0	25.0	2.50	119.	217.
Limit	1.45388	1.38378	1.26504	1.21214	1.14592	1.11802	1.11515	1.09635	1.08334	1.07830
Running RSS	1.4539	2.0071	2.3725	2.6642 %	2.9002	3.1083	3.3023	3.4795	3.6442	3.8004

Limit from	KRTA A	KPOJ S	YVSE T	YSS T	HRLP T	HJKL T	KONA A	XEGS T	KOJM A	KDAL A
IFRB Serial #			081001517	081001340	081001817	081003193				
Prefix/Freq	BL / 610	BL / 620	# 186/ 610	# 183/ 610	# 179/ 610	# 173/ 610	BL / 610	# 191/ 610	BL / 610	BL / 610
arn	841018AF	041029JU	Operatin	Operatin	Operatin	Operatin		Operatin		980420KB
Distance (km)	506.1	842.2	6108.4	4321.5	4346.8	6115.3	962.8	1884.4	1568.5	2646.2
Bearing	175.3	178.4	309.5	314.9	314.0	314.0	197.2	319.7	225.2	259.1
Radiation on Gnd	45.0	782.8	2188.1	978.6	978.6	1694.9	80.5	203.8	198.3	649.9
Lower Angle	14.7	7.8	0.0	0.0	0.0	0.0	6.3	0.1	1.7	0.0
Upper Angle	24.1	13.9	0.0	0.0	0.0	0.0	11.8	3.0	5.1	0.0
Max Rad	42.6	772.0	2188.1	978.6	978.6	1694.9	79.9	203.8	198.0	649.9
Skywave Field	118.	55.5	1.86	4.11	3.99	2.23	44.0	17.1	17.0	5.16
Limit	1.00241	0.85645	0.81345	0.80406	0.78158	0.75662	0.70347	0.69881	0.67148	0.67015
Running RSS	3.9304 %	4.0226	4.1041	4.1821	4.2545	4.3212	4.3781	4.4335	4.4841	4.5339

Limit from	KVNU	S	KVNU	S	TIRPT	T	TGGA	T	CHNL	S	XENVA	T	KTAR	A		T	XE	T	KILT	A
IFRB Serial #					081001968		081000822									081001714				
Prefix/Freq	BP / 610		BL / 610		# 174/ 610		# 177/ 610		# 200/ 610		# 193/ 610		BL / 620		# 184/ 610		# 124/ 600		BL / 610	
arn	040309CL		820602AJ		Operatin		Operatin		Operatin		Proposal				Operatin		Proposal			
Distance (km)	981.4		981.4		4913.5		4045.1		1431.8		1629.6		1048.3		6746.9		1313.4		2621.0	
Bearing	247.7		247.7		315.5		315.6		187.2		318.1		300.5		307.7		311.0		296.8	
Radiation on Gnd	74.0		74.0		978.6		692.0		150.7		140.6		698.1		2188.1		966.1		343.7	
Lower Angle	6.1		6.1		0.0		0.0		2.5		1.4		5.5		0.0		3.3		0.0	
Upper Angle	11.5		11.5		0.0		0.0		6.2		4.7		10.5		0.0		7.3		0.0	
Max Rad	75.0		75.0		978.6		692.0		150.4		140.5		693.8		2188.1		963.8		343.7	
Skywave Field	44.3		44.3		3.34		4.66		20.2		21.5		42.7		1.35		30.2		8.41	
Limit	0.66397		0.66397		0.65389		0.64530		0.60800		0.60431		0.59237		0.59030		0.58281		0.57828	
Running RSS	4.5823		4.6301		4.6761		4.7204		4.7594		4.7976		4.8340		4.8699		4.9047		4.9387	

Nighttime limits to KEAR SAN FRANCISCO CA US N Lat 37 50 58 W Long 122 17 44 Date 30-MAY-06 RMB&A LIM Page 2
 File No./arn BL-900730AE 610 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	XEEL	T	HOHM	T	CX4	T	XEBX	T
IFRB Serial #			081001090		081001413			
Prefix/Freq	# 195/ 610		# 181/ 610		# 185/ 610		# 187/ 610	
arn	Operatin		Operatin		Operatin		Operatin	
Distance (km)	2463.7		5342.3		10556.8		2257.4	
Bearing	315.9		313.8		313.6		304.8	
Radiation on Gnd	264.5		978.6		2188.1		218.8	
Lower Angle	0.0		0.0		0.0		0.0	
Upper Angle	0.0		0.0		0.0		0.9	
Max Rad	264.5		978.6		2188.1		218.8	
Skywave Field	10.8		2.78		1.23		11.8	
Limit	0.57232		0.54419		0.53826		0.51519	

Running RSS 4.9717 5.0014 5.0303 5.0566

RSS 9.8% Exclusion 5.2674

Nighttime limits to KGEZ KALISPELL MT US N Lat 48 09 40 W Long 114 16 51 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-810915AD 600 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	CKBD S	CJWW S	CJWW S	CJWW S	KQNT T	XE T	KSJB A	KTBB A
IFRB Serial #	000012040	12046						
Prefix/Freq	# 126/ 600	# 99/ 600	# 100/ 600	# 98/ 600	BL / 590	# 124/ 600	BL / 600	BL / 600
arn	Operatin	Operatin	Proposal	Operatin	931105AB	Proposal		830705AH
Distance (km)	650.7	691.6	687.1	687.1	229.5	1973.7	1177.3	2383.3
Bearing	96.6	233.5	233.7	233.7	73.6	352.8	283.0	323.4
Radiation on Gnd	891.6	472.2	467.1	466.2	678.4	966.1	408.3	916.2
Lower Angle	11.0	10.2	10.3	10.3	31.6	0.0	4.3	0.0
Upper Angle	18.7	17.5	17.6	17.6	45.6	2.4	8.8	0.3
Max Rad	867.2	449.5	443.4	442.4	544.7	966.1	405.1	916.2
Skywave Field	64.6	49.3	50.0	50.0	246.	12.6	20.4	7.52
Limit	11.21068	4.43395	4.43143	4.42191	2.67627	2.43577	1.65364	1.37745
Running RSS	11.2107 %	12.0557	12.8443	13.5842 %	13.8453	14.0579	14.1549	14.2217
RSS	9.6% Exclusion	14.3104						

Nighttime limits to KGTL HOMER AK US N Lat 59 41 03 W Long 151 37 51 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-810217AC 620 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	CJCI	T	KPOJ	S	KIAM	T	KIPA	S
IFRB Serial #								
Prefix/Freq	# 275/ 620		BL / 620		BL / 630		BLEX / 620	
arn	Proposal		041029JU		950508AB		910103AB	
Distance (km)	1859.2		2490.1		549.1		4455.2	
Bearing	302.0		319.9		195.1		3.4	
Radiation on Gnd	1388.3		1497.5		554.3		963.5	
Lower Angle	0.2		0.0		13.4		0.0	
Upper Angle	3.1		0.0		22.3		0.0	
Max Rad	1388.3		1497.5		516.0		963.5	
Skywave Field	4.55		3.47		63.2		3.18	
Limit	1.26414		1.04032		0.65180		0.61322	

Running RSS 1.2641 1.6372 % 1.7621 1.8658 %

RSS 0.0% Exclusion 2.0463

Nighttime limits to KIGS HANFORD CA US N Lat 36 19 37 W Long 119 33 58 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KTAR	A	KPOJ	S	KEAR	T	YNGR1	T	XEBU	T	KPLY	S	KMKI	A	HCCY1	T	XENK	T
IFRB Serial #							081000986								081003629			
Prefix/Freq		BL / 620	BL / 620		BL / 610		# 262/ 620		# 268/ 620		BL / 630		BL / 620		# 256/ 620		# 269/ 620	
arn			041029JU		900730AE		Operatin		Operatin		840305AM		951017AD		Operatin		Operatin	
Distance (km)		758.6	1042.0		295.4		4299.9		1517.4		361.8		2125.0		6137.2		2747.4	
Bearing		296.8	165.0		124.1		314.4		307.5		176.0		285.8		320.5		317.6	
Radiation on Gnd		758.5	529.0		630.6		2188.1		301.5		416.8		513.2		2189.0		621.4	
Lower Angle		9.0	5.5		25.3		0.0		2.0		20.9		0.0		0.0		0.0	
Upper Angle		15.8	10.6		38.3		0.0		5.5		32.6		1.6		0.0		0.0	
Max Rad		745.3	526.7		541.3		2188.1		301.2		385.4		513.2		2189.0		621.4	
Skywave Field		69.7	39.8		217.		4.38		24.1		177.		12.3		2.80		9.63	
Limit		10.39608	4.19239		2.35220		1.91868		1.45345		1.36412		1.26543		1.22386		1.19687	

Running RSS	10.3961 %	11.2096 %	11.4537	11.6133	11.7039	11.7831	11.8509	11.9139	11.9739
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RSS 10.0% Exclusion 12.0214

Nighttime limits to KILT HOUSTON TX US N Lat 29 55 04 W Long 95 25 33 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KCSP	T	XEBX	T	HRLP	T	YSS	T	WEZN	A	WIOD	A	WAGG	T	KARV	S	HCMJ1	T	TGGA	T
IFRB Serial #					081001817		081001340										081003628		081000822	
Prefix/Freq	BL / 610		# 187/ 610		# 179/ 610		# 183/ 610		BL / 610		BL / 610		BL / 610		BL / 610		# 176/ 610		# 177/ 610	
arn			Operatin		Operatin		Operatin						4749		800122AD		Operatin		Operatin	
Distance (km)	1010.6		601.0		1952.5		1967.8		900.8		1565.9		900.8		635.0		3794.8		1771.1	
Bearing	184.4		66.4		335.8		338.5		246.1		290.3		246.1		200.2		333.3		344.6	
Radiation on Gnd	690.9		218.8		978.6		978.6		345.6		730.1		310.6		192.6		2189.1		692.0	
Lower Angle	5.8		12.1		0.0		0.0		7.0		1.7		7.0		11.3		0.0		0.7	
Upper Angle	11.0		20.3		2.6		2.5		12.8		5.1		12.8		19.2		0.0		3.7	
Max Rad	685.6		211.7		978.6		978.6		344.8		729.7		310.2		184.1		2189.1		691.9	
Skywave Field	44.2		99.2		20.0		19.8		54.2		24.0		54.2		89.2		7.38		23.4	
Limit	6.05400		4.19827		3.90547		3.88292		3.74025		3.49563		3.36505		3.28302		3.23291		3.23210	
Running RSS	6.0540		7.3673		8.3384 %		9.1982		9.9295		10.5269		11.0516		11.5290		11.9737		12.4022	

Limit from	YVSE	T	TIRPT	T	HJKL	T	XEEL	T		T	KNML	A	KNML	A	XEGS	T	HOHM	T	XECV	T
IFRB Serial #	081001517		081001968		081003193				081001714								081001090			
Prefix/Freq	# 186/ 610		# 174/ 610		# 173/ 610		# 195/ 610		# 184/ 610		BL / 610		BP / 610		# 190/ 610		# 181/ 610		# 192/ 610	
arn	Operatin		Operatin		Operatin		Operatin		Operatin				000629EY		Proposal		Operatin		Operatin	
Distance (km)	3498.6		2513.5		3598.9		1053.1		4127.7		1196.5		1196.4		1373.6		2853.0		952.8	
Bearing	312.8		333.6		323.9		43.1		306.5		115.2		115.2		66.3		326.7		21.3	
Radiation on Gnd	2188.1		978.6		1694.9		264.5		2188.1		327.2		326.7		354.5		978.6		180.7	
Lower Angle	0.0		0.0		0.0		5.4		0.0		4.2		4.2		2.9		0.0		6.4	
Upper Angle	0.0		0.0		0.0		10.4		0.0		8.6		8.6		6.8		0.0		11.9	
Max Rad	2188.1		978.6		1694.9		263.1		2188.1		320.3		319.9		353.9		978.6		179.0	
Skywave Field	7.34		13.7		7.62		48.0		5.21		35.0		35.0		31.1		11.0		56.0	
Limit	3.21113		2.67389		2.58221		2.52278		2.28140		2.23895		2.23650		2.20403		2.15447		2.00646	
Running RSS	12.8112 %		13.0872		13.3396		13.5760		13.7664		13.9473		14.1254		14.2963		14.4578		14.5963	

Limit from	XEUF	T	XEKZ	T	XEJA	T	KMKI	A	WREC	A
IFRB Serial #										
Prefix/Freq	# 188/ 610	# 189/ 610	# 194/ 610				BL / 620		BL / 600	
arn	Operatin	Operatin	Operatin				951017AD		801205AC	
Distance (km)	1346.0	1507.5	1166.1				384.5		775.8	
Bearing	28.6	359.3	7.2				163.8		222.3	
Radiation on Gnd	259.8	290.5	200.9				663.6		1058.1	
Lower Angle	3.1	2.1	4.4				19.7		8.8	
Upper Angle	7.0	5.6	8.9				31.0		15.4	
Max Rad	259.3	290.2	199.9				514.3		1037.3	
Skywave Field	34.5	29.8	42.7				166.		67.2	
Limit	1.79075	1.72717	1.70615				1.70271		1.39495	

Running RSS 14.7058 14.8069 14.9048 15.0018 15.0665

RSS 9.1% Exclusion 15.3009

Nighttime limits to KIPA HILO HI US N Lat 19 51 02 W Long 155 05 07 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-980831AD 620 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	KIPA	S	KIPA	T	KPOJ	S
IFRB Serial #						
Prefix/Freq	BLEX / 620		BLEX / 620		BL / 620	
arn	910103AB		900117AD		041029JU	
Distance (km)	99.9		112.6		4114.7	
Bearing	82.6		33.3		237.1	
Radiation on Gnd	963.5		637.3		1574.9	
Lower Angle	55.0		51.7		0.0	
Upper Angle	67.1		64.5		0.0	
Max Rad	550.8		377.4		1574.9	
Skywave Field	459.		445.		4.45	
Limit	50.52699		33.59023		1.40236	

Running RSS 50.5270 60.6736 % 60.6898

RSS 2.3% Exclusion 60.7269

Nighttime limits to KIPA KALAOA HI US N Lat 19 44 12 W Long 156 01 56 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BLEX-910103AB 620 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	KIPA	T	KIPA	T	KPOJ	S
IFRB Serial #						
Prefix/Freq	BL / 620		BLEX / 620		BL / 620	
arn	980831AD		900117AD		041029JU	
Distance (km)	99.9		89.5		4187.0	
Bearing	262.9		335.4		238.2	
Radiation on Gnd	680.1		637.3		1581.2	
Lower Angle	55.0		57.9		0.0	
Upper Angle	67.1		69.3		0.0	
Max Rad	336.3		321.2		1581.2	
Skywave Field	459.		471.		4.32	
Limit	30.84476		30.22494		1.36514	

Running RSS 30.8448 43.1850 % 43.2066

RSS 3.2% Exclusion 43.2557

Nighttime limits to KIPA NAALEHU HI US N Lat 19 00 18 W Long 155 40 37 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BLEX-900117AD 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KIPA S	KIPA T	KPOJ S
IFRB Serial #			
Prefix/Freq	BLEX / 620	BL / 620	BL / 620
arn	910103AB	980831AD	041029JU
Distance (km)	89.5	112.6	4226.9
Bearing	155.3	213.5	237.0
Radiation on Gnd	963.5	680.1	1574.0
Lower Angle	57.9	51.7	0.0
Upper Angle	69.3	64.5	0.0
Max Rad	510.2	367.9	1574.0
Skywave Field	471.	445.	4.30
Limit	48.01688	32.74260	1.35443

Running RSS 48.0169 58.1180 % 58.1338

RSS 2.3% Exclusion 58.1716

Nighttime limits to KMKI PLANO TX US N Lat 33 14 34 W Long 96 32 29 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-951017AD 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YNGR1 T	XENK T	XEBU T	XEGH1 T	HCXY1 T	TGTQ T	WRJZ A	WTMT S	YVNO T	KMNS A
IFRB Serial #	081000986				081003629	081000823			081001518	
Prefix/Freq	# 262/ 620	# 269/ 620	# 268/ 620	# 282/ 620	# 256/ 620	# 257/ 620	BL / 620	BL / 620	# 267/ 620	BL / 620
arn	Operatin	Operatin	Operatin	Proposal	Operatin	Operatin	791210AE	870529AF	Operatin	850709AC
Distance (km)	2576.7	1563.3	1043.4	820.5	4526.3	2108.5	1200.8	1127.6	3605.6	1014.9
Bearing	336.9	8.8	58.6	10.5	337.5	347.0	259.0	243.3	318.6	180.5
Radiation on Gnd	2188.1	621.4	301.5	200.7	2189.0	692.0	298.7	256.7	1383.6	203.0
Lower Angle	0.0	1.7	5.5	8.1	0.0	0.0	4.1	4.7	0.0	5.8
Upper Angle	0.0	5.2	10.5	14.4	0.0	1.7	8.5	9.4	0.0	11.0
Max Rad	2188.1	621.0	299.5	197.7	2189.0	692.0	292.6	257.1	1383.6	202.5
Skywave Field	12.1	26.1	44.0	63.8	5.35	16.7	32.8	35.6	6.54	41.0
Limit	5.31703	3.24012	2.63738	2.52141	2.34235	2.31409	1.92229	1.83285	1.80949	1.66145
Running RSS	5.3170	6.2265 %	6.7620	7.2168	7.5874	7.9325 %	8.1621	8.3653	8.5588	8.7186

Limit from	KMNS A	JBC T	WJDX A	KTAR A	WDAE A	KJSL A	XECK1 T	XEOO1 T	WDAE A	HOQ 53 T
IFRB Serial #		081000947								081001091
Prefix/Freq	BP / 620	# 260/ 620	BL / 620	BL / 620	BL / 620	BL / 630	# 280/ 620	# 281/ 620	BP / 620	# 263/ 620
arn	060314CF	Operatin			911118AA		Proposal	Proposal	050110BG	Operatin
Distance (km)	1015.2	2541.8	601.0	1434.6	1461.1	835.5	1289.1	1541.4	1461.1	3110.1
Bearing	180.5	315.5	280.9	86.8	297.5	225.7	35.8	30.4	297.5	334.2
Radiation on Gnd	202.8	692.0	82.7	288.8	275.9	1230.2	207.1	261.5	267.6	692.0
Lower Angle	5.8	0.0	12.1	2.5	2.3	7.9	3.5	1.9	2.3	0.0
Upper Angle	11.0	0.0	20.3	6.2	6.0	14.1	7.6	5.3	6.0	0.0
Max Rad	202.3	692.0	77.8	288.5	275.3	1201.9	206.5	261.3	267.1	692.0
Skywave Field	41.0	11.1	95.9	25.7	25.4	57.8	33.5	26.1	25.4	9.10
Limit	1.65908	1.53591	1.49142	1.48144	1.39896	1.38851	1.38274	1.36414	1.35748	1.25985
Running RSS	8.8750	9.0069	9.1296	9.2490	9.3542	9.4567	9.5572	9.6541	9.7491	9.8301

Limit from	HJEL T	CKCK S	XEHGR T	XEWZ1 T	KCSP T	HRLP 17 T
IFRB Serial #	081003194	000120611				081001820
Prefix/Freq	# 254/ 620	# 279/ 620	# 273/ 620	# 272/ 620	BL / 610	# 259/ 620
arn	Operatin	Operatin	Operatin	Proposal		Proposal
Distance (km)	3901.8	2011.1	1738.7	1303.7	661.0	2151.0
Bearing	330.3	157.8	349.0	18.3	195.6	338.0
Radiation on Gnd	978.6	604.7	257.6	166.4	690.9	286.2
Lower Angle	0.0	0.0	0.8	3.4	10.8	0.0
Upper Angle	0.0	2.2	3.9	7.4	18.4	1.5
Max Rad	978.6	604.7	257.5	166.0	672.6	286.2
Skywave Field	6.37	9.68	22.2	33.6	81.9	15.9
Limit	1.24702	1.17069	1.14144	1.11604	1.10130	0.91028
Running RSS	9.9089	9.9778	10.0429	10.1047	10.1646	10.2053
RSS 8.8% Exclusion	10.3493					

Nighttime limits to KMNS SIOUX CITY IA US N Lat 42 22 15 W Long 96 27 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-850709AC 620 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	WTMJ	A	WRJZ	A	KMKI	A	YNGR1	T	CKCK	S	KTAR	A	WTMT	S	KCSP	T	HCXY1	T	WJDX	A
IFRB Serial #							081000986		000120611								081003629			
Prefix/Freq	BL / 620		BL / 620		BL / 620		# 262/ 620		# 279/ 620		BL / 620		BL / 620		BL / 610		# 256/ 620		BL / 620	
arn	950222AD		791210AE		951017AD		Operatin		Operatin				870529AF				Operatin			
Distance (km)	687.6		1295.8		1014.9		3505.6		1082.8		1680.1		1015.2		406.6		5442.4		1239.7	
Bearing	269.7		307.0		0.4		345.0		141.6		49.4		299.7		338.4		343.1		335.4	
Radiation on Gnd	442.3		956.5		494.8		2188.1		470.7		608.9		281.6		690.9		2189.0		237.5	
Lower Angle	10.3		3.4		5.8		0.0		5.1		1.1		5.8		18.6		0.0		3.8	
Upper Angle	17.6		7.5		11.0		0.0		10.0		4.3		11.0		29.5		0.0		8.1	
Max Rad	437.1		953.4		488.6		2188.1		465.7		608.6		279.3		637.9		2189.0		238.0	
Skywave Field	65.5		24.9		41.0		5.73		25.0		17.2		36.9		146.		3.22		29.2	
Limit	5.72255		4.74716		4.00868		2.50705		2.32947		2.09346		2.06296		1.86729		1.41171		1.39085	
Running RSS	5.7225		7.4353		8.4470 %		8.8112		9.1140 %		9.3513		9.5762		9.7565		9.8581		9.9557	

Limit from	XENK	T	YVNO	T	XEBU	T
IFRB Serial #			081001518			
Prefix/Freq	# 269/ 620		# 267/ 620		# 268/ 620	
arn	Operatin		Operatin		Operatin	
Distance (km)	2569.7		4303.7		1751.9	
Bearing	5.0		330.1		27.2	
Radiation on Gnd	621.4		1383.6		301.5	
Lower Angle	0.0		0.0		0.7	
Upper Angle	0.0		0.0		3.8	
Max Rad	621.4		1383.6		301.4	
Skywave Field	9.38		3.74		17.1	
Limit	1.16527		1.03553		1.03039	
Running RSS	10.0237		10.0771		10.1296	
RSS 10.0% Exclusion	10.3413					

Nighttime limits to KMNS SIOUX CITY IA US N Lat 42 22 25 W Long 96 26 53 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BP-060314CF 620 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	WTMJ	A	WRJZ	A	KMKI	A	YNGR1	T	CKCK	S	KTAR	A	WTMT	S	KCSP	T	HCXY1	T	WJDX	A
IFRB Serial #							081000986		000120611								081003629			
Prefix/Freq	BL / 620		BL / 620		BL / 620		# 262/ 620		# 279/ 620		BL / 620		BL / 620		BL / 610		# 256/ 620		BL / 620	
arn	950222AD		791210AE		951017AD		Operatin		Operatin				870529AF				Operatin			
Distance (km)	687.4		1295.9		1015.2		3505.8		1082.6		1680.4		1015.1		406.8		5442.6		1239.9	
Bearing	269.7		307.0		0.4		345.0		141.6		49.4		299.8		338.4		343.1		335.4	
Radiation on Gnd	442.4		956.3		494.6		2188.1		470.5		609.0		281.5		690.9		2189.0		237.4	
Lower Angle	10.3		3.4		5.8		0.0		5.1		1.1		5.8		18.6		0.0		3.8	
Upper Angle	17.6		7.5		11.0		0.0		10.0		4.3		11.0		29.5		0.0		8.1	
Max Rad	437.3		953.1		488.4		2188.1		465.5		608.6		279.2		637.9		2189.0		237.9	
Skywave Field	65.5		24.9		41.0		5.73		25.0		17.2		36.9		146.		3.22		29.2	
Limit	5.72666		4.74572		4.00488		2.50654		2.32920		2.09286		2.06235		1.86598		1.41152		1.38989	
Running RSS	5.7267		7.4375		8.4472 %		8.8113		9.1139 %		9.3511		9.5758		9.7560		9.8575		9.9550	

Limit from	XENK	T	YVNO	T	XEBU	T
IFRB Serial #			081001518			
Prefix/Freq	# 269/ 620		# 267/ 620		# 268/ 620	
arn	Operatin		Operatin		Operatin	
Distance (km)	2570.0		4303.9		1752.2	
Bearing	5.0		330.1		27.2	
Radiation on Gnd	621.4		1383.6		301.5	
Lower Angle	0.0		0.0		0.7	
Upper Angle	0.0		0.0		3.8	
Max Rad	621.4		1383.6		301.4	
Skywave Field	9.37		3.74		17.1	
Limit	1.16495		1.03539		1.02997	
Running RSS	10.0230		10.0763		10.1288	
RSS 10.0% Exclusion	10.3404					

Nighttime limits to KNML ALBUQUERQUE NM US N Lat 35 01 59 W Long 106 39 44 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BP-000629EY 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KCSP	T	KEAR	T	XEGS	T	KAVL	S	XEBX	T	KILT	A	KVNU	S	KVNU	S	HCMJ1	T	XEGS	T
IFRB Serial #																	081003628			
Prefix/Freq	BL / 610		BL / 610		# 190/ 610		BL / 610		# 187/ 610		BL / 610		BP / 610		BL / 610		# 176/ 610		# 191/ 610	
arn			900730AE		Proposal		970612AA		Operatin				040309CL		820602AJ		Operatin		Operatin	
Distance (km)	1154.0		1431.0		1070.5		1050.4		952.0		1196.4		869.4		869.4		4883.9		1066.5	
Bearing	251.4		97.9		9.0		84.7		328.1		301.3		146.4		146.4		326.1		9.0	
Radiation on Gnd	690.9		630.6		354.5		347.3		218.8		299.2		180.3		180.3		2189.1		203.8	
Lower Angle	4.5		2.5		5.2		5.4		6.5		4.2		7.4		7.4		0.0		5.3	
Upper Angle	9.1		6.2		10.2		10.4		11.9		8.6		13.4		13.4		0.0		10.2	
Max Rad	687.7		629.6		352.5		346.9		216.8		299.2		191.4		191.4		2189.1		202.5	
Skywave Field	34.1		25.0		43.8		42.6		50.5		35.0		53.9		53.9		4.26		44.0	
Limit	4.68753		3.14540		3.08691		2.95305		2.19126		2.09129		2.06255		2.06255		1.86657		1.78283	
Running RSS	4.6875		5.6450		6.4339 %		7.0793		7.4106		7.7001		7.9715		8.2340 %		8.4429		8.6291	

Limit from	YSS	T	HRLP	T	XE	T	XEEL	T	YVSE	T	KROD	A	XENVA	T	TGGA	T	HJKL	T	TIRPT	T
IFRB Serial #	081001340		081001817						081001517						081000822		081003193		081001968	
Prefix/Freq	# 183/ 610		# 179/ 610		# 124/ 600		# 195/ 610		# 186/ 610		BL / 600		# 193/ 610		# 177/ 610		# 173/ 610		# 174/ 610	
arn	Operatin		Operatin		Proposal		Operatin		Operatin		960306SV		Proposal		Operatin		Operatin		Operatin	
Distance (km)	3028.3		3036.0		639.5		1367.5		4694.3		347.5		893.7		2779.4		4759.1		3608.7	
Bearing	325.2		323.6		38.2		345.3		312.2		355.9		19.5		327.6		319.5		324.1	
Radiation on Gnd	978.6		978.6		966.1		264.5		2188.1		555.3		140.6		692.0		1694.9		978.6	
Lower Angle	0.0		0.0		11.2		2.9		0.0		21.7		7.1		0.0		0.0		0.0	
Upper Angle	0.0		0.0		19.0		6.8		0.0		33.7		13.0		0.0		0.0		0.0	
Max Rad	978.6		978.6		939.4		264.1		2188.1		436.5		139.2		692.0		1694.9		978.6	
Skywave Field	8.70		8.57		88.8		30.5		3.69		185.		56.0		10.1		4.09		6.59	
Limit	1.70316		1.67635		1.66832		1.61354		1.61271		1.61152		1.55806		1.39611		1.38491		1.28916	
Running RSS	8.7956		8.9539		9.1080		9.2498		9.3894		9.5267		9.6532		9.7537		9.8515		9.9355	

[illegible]

Nighttime limits to KNML ALBUQUERQUE NM US N Lat 35 01 56 W Long 106 39 48 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KCSP	T	KEAR	T	XEGS	T	KAVL	S	XEBX	T	KILT	A	KVNU	S	KVNU	S	HCMJ1	T	XEGS	T
IFRB Serial #																	081003628			
Prefix/Freq	BL / 610		BL / 610		# 190/ 610		BL / 610		# 187/ 610		BL / 610		BP / 610		BL / 610		# 176/ 610		# 191/ 610	
arn			900730AE		Proposal		970612AA		Operatin				040309CL		820602AJ		Operatin		Operatin	
Distance (km)	1154.1		1431.0		1070.4		1050.3		952.0		1196.5		869.5		869.5		4883.9		1066.4	
Bearing	251.4		97.9		9.0		84.7		328.1		301.3		146.4		146.4		326.1		9.0	
Radiation on Gnd	690.9		630.6		354.5		347.4		218.8		299.3		180.4		180.4		2189.1		203.8	
Lower Angle	4.5		2.5		5.2		5.4		6.5		4.2		7.4		7.4		0.0		5.3	
Upper Angle	9.1		6.2		10.2		10.4		11.9		8.6		13.4		13.4		0.0		10.2	
Max Rad	687.7		629.6		352.5		346.9		216.8		299.2		191.4		191.4		2189.1		202.5	
Skywave Field	34.1		25.0		43.8		42.6		50.5		35.0		53.9		53.9		4.26		44.0	
Limit	4.68668		3.14570		3.08743		2.95399		2.19132		2.09156		2.06311		2.06311		1.86659		1.78313	
Running RSS	4.6867		5.6445		6.4337 %		7.0795		7.4108		7.7003		7.9719		8.2346 %		8.4435		8.6297	

Limit from	YSS	T	HRLP	T	XE	T	XEEL	T	YVSE	T	KROD	A	XENVA	T	TGGA	T	HJKL	T	TIRPT	T
IFRB Serial #	081001340		081001817						081001517						081000822		081003193		081001968	
Prefix/Freq	# 183/ 610		# 179/ 610		# 124/ 600		# 195/ 610		# 186/ 610		BL / 600		# 193/ 610		# 177/ 610		# 173/ 610		# 174/ 610	
arn	Operatin		Operatin		Proposal		Operatin		Operatin		960306SV		Proposal		Operatin		Operatin		Operatin	
Distance (km)	3028.3		3036.0		639.4		1367.4		4694.4		347.4		893.6		2779.4		4759.1		3608.7	
Bearing	325.2		323.6		38.2		345.3		312.2		355.9		19.5		327.6		319.5		324.1	
Radiation on Gnd	978.6		978.6		966.1		264.5		2188.1		555.0		140.6		692.0		1694.9		978.6	
Lower Angle	0.0		0.0		11.2		2.9		0.0		21.7		7.1		0.0		0.0		0.0	
Upper Angle	0.0		0.0		19.0		6.8		0.0		33.7		13.0		0.0		0.0		0.0	
Max Rad	978.6		978.6		939.4		264.1		2188.1		436.3		139.2		692.0		1694.9		978.6	
Skywave Field	8.70		8.57		88.8		30.6		3.69		185.		56.0		10.1		4.09		6.59	
Limit	1.70318		1.67637		1.66880		1.61367		1.61270		1.61099		1.55839		1.39613		1.38492		1.28918	
Running RSS	8.7962		8.9545		9.1087		9.2505		9.3900		9.5272		9.6538		9.7543		9.8521		9.9361	

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Nighttime limits to KOGO SAN DIEGO CA US N Lat 32 43 17 W Long 117 04 11 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL- 600 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	XE	T	KAVL	S	KSJB	A	WMT	S
IFRB Serial #								
Prefix/Freq	# 124/ 600		BL / 610		BL / 600		BL / 600	
arn	Proposal		970612AA					
Distance (km)	620.9		243.2		2207.0		2469.7	
Bearing	294.0		154.8		231.3		253.5	
Radiation on Gnd	966.1		1058.7		1118.3		1110.4	
Lower Angle	11.6		30.1		0.0		0.0	
Upper Angle	19.6		43.9		1.2		0.0	
Max Rad	937.5		842.2		1118.3		1110.4	
Skywave Field	93.7		254.		9.48		8.10	
Limit	17.57519		4.28057		2.11994		1.79992	

Running RSS 17.5752 % 18.0890 18.2128 18.3015

RSS 9.6% Exclusion 18.6639

Nighttime limits to KOJM HAVRE MT US N Lat 48 34 48 W Long 109 38 54 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	CJAT S	KVNU S	KVNU S	CJAT T	KNML A	KNML A	KDAL A	KEAR T	KCSP T	CKYL T
IFRB Serial #	000012049			12049						
Prefix/Freq	# 201/ 610	BP / 610	BL / 610	# 202/ 610	BL / 610	BP / 610	BL / 610	BL / 610	BL / 610	# 199/ 610
arn	Operatin	040309CL	820602AJ	Proposal		000629EY	980420KB	900730AE		Operatin
Distance (km)	594.6	788.3	788.3	594.6	1526.1	1526.0	1321.8	1568.5	1604.7	986.1
Bearing	92.7	12.3	12.3	92.7	351.7	351.6	285.4	36.5	316.5	145.8
Radiation on Gnd	295.9	385.6	385.6	281.6	929.0	923.5	881.2	630.6	690.9	312.5
Lower Angle	12.3	8.6	8.6	12.3	1.9	1.9	3.2	1.7	1.5	6.1
Upper Angle	20.5	15.1	15.1	20.5	5.5	5.5	7.3	5.1	4.8	11.4
Max Rad	287.8	381.2	381.2	273.9	928.9	923.4	879.0	630.1	690.6	305.6
Skywave Field	71.0	52.2	52.2	71.0	18.1	18.1	14.6	17.0	13.6	21.1
Limit	4.08692	3.97656	3.97656	3.88986	3.35401	3.33437	2.56711	2.13683	1.87553	1.28711
Running RSS	4.0869	5.7023	6.9519	7.9662 %	8.6435	9.2643	9.6134 %	9.8480	10.0250	10.1073

Limit from	CHNL S	CJWW S	CJWW S	CJWW S	KONA A
IFRB Serial #				12046	
Prefix/Freq	# 200/ 610	# 100/ 600	# 98/ 600	# 99/ 600	BL / 610
arn	Operatin	Proposal	Operatin	Operatin	
Distance (km)	798.2	437.5	437.5	442.4	757.4
Bearing	102.6	208.5	208.5	208.6	65.9
Radiation on Gnd	152.3	670.2	669.5	674.8	96.3
Lower Angle	8.4	17.2	17.2	17.0	9.1
Upper Angle	14.9	27.7	27.7	27.4	15.8
Max Rad	149.4	585.0	584.4	594.2	94.6
Skywave Field	41.3	101.	101.	98.7	51.5
Limit	1.23421	1.17618	1.17484	1.17358	0.97418
Running RSS	10.1824	10.2501	10.3172	10.3837	10.4293

RSS 9.2% Exclusion 10.5848

Nighttime limits to KONA KENNEWICK-RICHLAND-P WA US N Lat 46 10 23 W Long 119 04 07 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	CJAT S	CJAT T	KEAR T	KVNU S	KVNU S	CHNL S	KRTA A	CKBD S	KAVL S
IFRB Serial #	000012049	12049						000012040	
Prefix/Freq	# 201/ 610	# 202/ 610	BL / 610	BP / 610	BL / 610	# 200/ 610	BL / 610	# 126/ 600	BL / 610
arn	Operatin	Proposal	900730AE	040309CL	820602AJ	Operatin	841018AF	Operatin	970612AA
Distance (km)	341.7	341.7	962.8	758.7	758.7	505.3	513.6	444.9	1277.1
Bearing	197.4	197.4	15.0	313.6	313.6	169.4	33.7	136.9	356.9
Radiation on Gnd	295.9	281.6	630.6	235.1	235.1	139.4	88.4	536.5	204.1
Lower Angle	22.1	22.1	6.3	9.0	9.0	14.8	14.5	16.9	3.6
Upper Angle	34.2	34.2	11.8	15.8	15.8	24.2	23.8	27.2	7.7
Max Rad	270.2	257.2	624.6	222.3	222.3	119.6	85.7	622.7	202.1
Skywave Field	167.	167.	44.0	59.5	59.5	97.8	108.	121.	28.2
Limit	9.00541	8.57118	5.49858	2.64769	2.64769	2.33813	1.85588	1.50486	1.13863

Running RSS 9.0054 12.4323 % 13.5940 % 13.8494 14.1003 14.2928 14.4128 14.4911 14.5358

RSS 7.8% Exclusion 14.5789

Nighttime limits to KPOJ PORTLAND OR US N Lat 45 25 20 W Long 122 33 57 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-041029JU 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KONA	A	KFXD	A	KRTA	A	KMKI	A	KWAL	A	KTAR	A	YNGR1	T	KCIS	S	KIPA	S	CKCK	S
IFRB Serial #													081000986						000120611	
Prefix/Freq	BL / 610		BL / 630		BL / 610		BL / 620		BL / 620		BL / 620		# 262/ 620		BL / 630		BLEX / 620		# 279/ 620	
arn			950504AD		841018AF		951017AD						Operatin		890828AB		910103AB		Operatin	
Distance (km)	283.6		538.2		337.8		2598.1		553.1		1604.9		5058.5		271.7		4187.0		1440.5	
Bearing	254.1		295.4		2.7		309.1		247.6		328.9		324.0		186.7		39.3		254.7	
Radiation on Gnd	1123.4		1107.4		525.3		1124.1		91.4		283.5		2188.1		242.8		963.5		283.1	
Lower Angle	26.3		13.8		22.3		0.0		13.3		1.5		0.0		27.3		0.0		2.5	
Upper Angle	39.5		22.7		34.5		0.0		22.1		4.8		0.0		40.7		0.0		6.2	
Max Rad	867.6		1010.9		448.6		1124.1		66.8		283.3		2188.1		201.2		963.5		282.7	
Skywave Field	214.		100.		184.		6.72		91.3		19.0		2.42		221.		4.32		14.3	
Limit	3.71250		2.02883		1.65025		1.51072		1.22057		1.07902		1.05906		0.88989		0.83186		0.80711	
Running RSS	3.7125		4.2307	%	4.5412		4.7859		4.9390	%	5.0555		5.1653		5.2414		5.3070		5.3680	

Limit from	HCCY1	T	KEAR	T	KIPA	T	XEBU	T	XENK	T	WRJZ	A
IFRB Serial #	081003629											
Prefix/Freq	# 256/ 620		BL / 610		BL / 620		# 268/ 620		# 269/ 620		BL / 620	
arn	Operatin		900730AE		980831AD		Operatin		Operatin		791210AE	
Distance (km)	6968.2		842.2		4114.7		2354.3		3612.1		3391.2	
Bearing	327.1		358.6		38.8		326.6		328.6		300.1	
Radiation on Gnd	2189.0		630.6		680.1		301.5		621.4		976.8	
Lower Angle	0.0		7.8		0.0		0.0		0.0		0.0	
Upper Angle	0.0		13.9		0.0		0.5		0.0		0.0	
Max Rad	2189.0		621.5		680.1		301.5		621.4		976.8	
Skywave Field	1.76		55.5		4.45		9.72		4.65		2.84	
Limit	0.76873		0.68950		0.60562		0.58598		0.57833		0.55478	
Running RSS	5.4228		5.4664		5.4999		5.5310		5.5611		5.5888	

RSS 9.8% Exclusion 5.6854

Nighttime limits to KROD EL PASO TX US N Lat 31 54 56 W Long 106 23 33 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-960306SV 600 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	XE	T	WREC	A	XEDN	T	WMT	S	XERJ	S	KSJB	A	KNML	A	KNML	A	XEHW1	T	KCOL	S
IFRB Serial #																				
Prefix/Freq	# 124/ 600		BL / 600		# 116/ 600		BL / 600		# 121/ 600		BL / 600		BL / 610		BP / 610		# 122/ 600		BL / 600	
arn	Proposal		801205AC		Operatin				Operatin						000629EY		Proposal		850919AC	
Distance (km)	462.7		1559.2		762.9		1730.6		962.4		1781.4		347.4		347.5		1007.3		978.5	
Bearing	70.2		261.1		338.8		234.1		360.0		204.3		175.8		175.8		357.8		187.5	
Radiation on Gnd	966.1		938.5		263.6		1133.1		295.4		1014.5		790.9		787.2		268.3		297.4	
Lower Angle	16.2		1.8		9.0		0.9		6.3		0.6		21.7		21.7		5.9		6.2	
Upper Angle	26.3		5.2		15.7		4.0		11.8		3.6		33.7		33.7		11.1		11.5	
Max Rad	911.0		937.6		258.9		1132.9		293.1		1014.3		772.0		768.7		266.5		295.6	
Skywave Field	134.		21.8		73.6		16.4		54.6		14.5		185.		185.		51.3		46.1	
Limit	24.45184		4.09384		3.81132		3.72594		3.20036		2.93633		2.85046		2.83764		2.73280		2.72295	
Running RSS	24.4518 %		24.7922		25.0834		25.3586		25.5598		25.7279		25.8853		26.0404		26.1834		26.3246	

Limit from	KOGO	A
IFRB Serial #		
Prefix/Freq	BL / 600	
arn		
Distance (km)	1006.8	
Bearing	92.2	
Radiation on Gnd	280.3	
Lower Angle	5.9	
Upper Angle	11.1	
Max Rad	275.8	
Skywave Field	46.5	
Limit	2.56556	

Running RSS 26.4493

RSS 9.5% Exclusion 26.9596

Running RSS	6.2972 %	6.9736	7.2904 %	7.4324	7.5566	7.6774	7.7957	7.9097	8.0220	8.1121
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Running RSS	8.1937	8.2700	8.3410	8.3937	8.4450	8.4845
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RSS	9.3% Exclusion	8.7852
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Nighttime limits to KTAR PHOENIX AZ US N Lat 33 28 44 W Long 112 00 06 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	XEBU	T	YNGR1	T	XENK	T	HCTX1	T	XEO01	T	CKCK	S	XECK1	T	TGTQ	T	KHOW	A	KMKI	A
IFRB Serial #			081000986				081003629				000120611				081000823					
Prefix/Freq	# 268/ 620		# 262/ 620		# 269/ 620		# 256/ 620		# 281/ 620		# 279/ 620		# 280/ 620		# 257/ 620		BL / 630		BL / 620	
arn	Operatin		Operatin		Operatin		Operatin		Proposal		Operatin		Proposal		Operatin		821123AE		951017AD	
Distance (km)	772.3		3548.9		2025.3		5409.1		1503.9		1967.8		1270.2		2923.4		953.5		1434.6	
Bearing	315.0		316.1		323.4		323.0		333.8		200.6		327.2		318.8		223.6		275.3	
Radiation on Gnd	301.5		2188.1		621.4		2189.0		261.5		669.0		207.1		692.0		1314.8		228.6	
Lower Angle	8.8		0.0		0.0		0.0		2.1		0.0		3.6		0.0		6.4		2.5	
Upper Angle	15.4		0.0		2.2		0.0		5.6		2.5		7.8		0.0		11.9		6.2	
Max Rad	296.4		2188.1		621.4		2189.0		261.2		669.0		206.5		692.0		1307.9		229.2	
Skywave Field	69.4		6.77		17.3		3.78		27.8		10.9		35.1		9.47		47.9		25.7	
Limit	4.11504		2.96282		2.14535		1.65536		1.45320		1.45241		1.44896		1.31117		1.25382		1.17691	
Running RSS	4.1150		5.0707 %		5.5058		5.7493		5.9301 %		6.1054		6.2750		6.4105		6.5320		6.6371	

Limit from	KAVL	S	KMNS	A	KMNS	A	YVNO	T	XEGH1	T	KWAL	A	KIPA	S	KPOJ	S	HJEL	T	XEWZ1	T
IFRB Serial #							081001518										081003194			
Prefix/Freq	BL / 610		BL / 620		BP / 620		# 267/ 620		# 282/ 620		BL / 620		BLEX / 620		BL / 620		# 254/ 620		# 272/ 620	
arn	970612AA		850709AC		060314CF		Operatin		Proposal				910103AB		041029JU		Operatin		Proposal	
Distance (km)	584.6		1680.1		1680.4		4857.5		1573.7		1595.5		4596.8		1604.9		4956.3		1660.8	
Bearing	101.8		239.1		239.1		308.3		305.2		166.4		61.4		142.2		316.5		321.6	
Radiation on Gnd	552.3		302.7		302.7		1383.6		200.7		236.4		963.5		212.8		978.6		166.4	
Lower Angle	12.5		1.1		1.1		0.0		1.7		1.6		0.0		1.5		0.0		1.2	
Upper Angle	20.9		4.3		4.3		0.0		5.1		4.9		0.0		4.8		0.0		4.4	
Max Rad	538.3		302.7		302.7		1383.6		200.5		237.0		963.5		212.8		978.6		166.3	
Skywave Field	100.		17.2		17.2		3.54		23.7		18.3		4.21		19.0		3.97		23.2	
Limit	1.07603		1.04125		1.04087		0.98049		0.95101		0.86600		0.81139		0.81022		0.77777		0.77218	
Running RSS	6.7238		6.8039		6.8831		6.9526		7.0173		7.0706		7.1170		7.1629		7.2050		7.2463	

Limit from	KFXD	A
IFRB Serial #		
Prefix/Freq	BL / 630	
arn	950504AD	
Distance (km)	1177.2	
Bearing	160.0	
Radiation on Gnd	1120.8	
Lower Angle	4.3	
Upper Angle	8.8	
Max Rad	1118.3	
Skywave Field	33.4	
Limit	0.74685	

Running RSS	7.2847
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RSS	9.9% Exclusion	7.5356
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Nighttime limits to KTBB TYLER TX US N Lat 32 16 18 W Long 95 12 23 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-830705AH 600 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

[illegible]

Nighttime limits to KVVU LOGAN UT US N Lat 41 40 30 W Long 111 56 06 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-820602AJ 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KEAR	T	KNML	A	KNML	A	KCSP	T	KAVL	S	KRTA	A	CJAT	S	KONA	A	CJAT	T	KOJM	A
IFRB Serial #													000012049				12049			
Prefix/Freq	BL / 610		BL / 610		BP / 610		BL / 610		BL / 610		BL / 610		# 201/ 610		BL / 610		# 202/ 610		BL / 610	
arn	900730AE				000629EY				970612AA		841018AF		Operatin				Proposal			
Distance (km)	981.4		869.5		869.4		1494.3		946.9		897.6		942.3		758.7		942.3		788.3	
Bearing	61.1		329.7		329.7		287.1		33.3		91.4		149.2		128.7		149.2		194.0	
Radiation on Gnd	630.6		317.5		317.4		690.9		265.4		255.2		295.9		203.2		281.6		208.2	
Lower Angle	6.1		7.4		7.4		2.1		6.5		7.1		6.6		9.0		6.6		8.6	
Upper Angle	11.5		13.4		13.4		5.7		12.0		12.9		12.1		15.8		12.1		15.1	
Max Rad	625.0		316.2		316.1		690.2		259.2		245.7		293.6		186.8		279.4		200.7	
Skywave Field	44.3		53.9		53.9		19.2		48.1		48.4		38.9		59.5		38.9		52.2	
Limit	5.53331		3.40823		3.40748		2.65283		2.49254		2.37698		2.28656		2.22412		2.17631		2.09371	
Running RSS	5.5333		6.4987		7.3379 %		7.8027		8.1911		8.5291		8.8302		9.1060 %		9.3625		9.5937	

Limit from	KDAL	A	XEGS	T	HCMJ1	T	YVSE	T
IFRB Serial #					081003628		081001517	
Prefix/Freq	BL / 610		# 190/ 610		# 176/ 610		# 186/ 610	
arn	980420KB		Proposal		Operatin		Operatin	
Distance (km)	1666.4		1822.3		5735.0		5442.2	
Bearing	257.5		350.8		328.3		317.8	
Radiation on Gnd	633.1		354.5		2189.1		2188.1	
Lower Angle	1.2		0.4		0.0		0.0	
Upper Angle	4.4		3.4		0.0		0.0	
Max Rad	632.9		354.5		2189.1		2188.1	
Skywave Field	12.1		17.2		2.70		2.21	
Limit	1.53368		1.21989		1.18401		0.96852	
Running RSS	9.7156		9.7918		9.8632		9.9106	

RSS 9.6% Exclusion 10.1084

Nighttime limits to KVVU LOGAN UT US N Lat 41 40 30 W Long 111 56 06 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BP-040309CL 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KEAR	T	KNML	A	KNML	A	KCSP	T	KAVL	S	KRTA	A	CJAT	S	KONA	A	CJAT	T	KOJM	A
IFRB Serial #													000012049				12049			
Prefix/Freq	BL / 610		BL / 610		BP / 610		BL / 610		BL / 610		BL / 610		# 201/ 610		BL / 610		# 202/ 610		BL / 610	
arn	900730AE				000629EY				970612AA		841018AF		Operatin				Proposal			
Distance (km)	981.4		869.5		869.4		1494.3		946.9		897.6		942.3		758.7		942.3		788.3	
Bearing	61.1		329.7		329.7		287.1		33.3		91.4		149.2		128.7		149.2		194.0	
Radiation on Gnd	630.6		317.5		317.4		690.9		265.4		255.2		295.9		203.2		281.6		208.2	
Lower Angle	6.1		7.4		7.4		2.1		6.5		7.1		6.6		9.0		6.6		8.6	
Upper Angle	11.5		13.4		13.4		5.7		12.0		12.9		12.1		15.8		12.1		15.1	
Max Rad	625.0		316.2		316.1		690.2		259.2		245.7		293.6		186.8		279.4		200.7	
Skywave Field	44.3		53.9		53.9		19.2		48.1		48.4		38.9		59.5		38.9		52.2	
Limit	5.53331		3.40823		3.40748		2.65283		2.49254		2.37698		2.28656		2.22412		2.17631		2.09371	
Running RSS	5.5333		6.4987		7.3379	%	7.8027		8.1911		8.5291		8.8302		9.1060	%	9.3625		9.5937	

Limit from	KDAL	A	XEGS	T	HCMJ1	T	YVSE	T
IFRB Serial #					081003628		081001517	
Prefix/Freq	BL / 610		# 190/ 610		# 176/ 610		# 186/ 610	
arn	980420KB		Proposal		Operatin		Operatin	
Distance (km)	1666.4		1822.3		5735.0		5442.2	
Bearing	257.5		350.8		328.3		317.8	
Radiation on Gnd	633.1		354.5		2189.1		2188.1	
Lower Angle	1.2		0.4		0.0		0.0	
Upper Angle	4.4		3.4		0.0		0.0	
Max Rad	632.9		354.5		2189.1		2188.1	
Skywave Field	12.1		17.2		2.70		2.21	
Limit	1.53368		1.21989		1.18401		0.96852	
Running RSS	9.7156		9.7918		9.8632		9.9106	

RSS 9.6% Exclusion 10.1084

Running RSS	4.5127 %	4.9040	5.2536	5.5702	5.7592 %	5.9260	6.0513	6.1626	6.2641	6.3189
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Running RSS	6.3697	6.4181	6.4626	6.5067	6.5465	6.5762
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RSS 9.3% Exclusion 6.6875

Nighttime limits to TGGA SENORIAL GT N Lat 14 37 00 W Long 90 37 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081000822
 Comments: All radiations are in mV/m at 1 km

This is a class A station so its skywave service area must be protected.

It is not protected on an RSS basis at its antenna site.

Nonetheless, we will do the RSS study at its site.

Limit from	YSS T	HRLP T	TIRPT T	HRLP 4 T	HOHM T	XEKZ T	KILT A	HCMJ1 T	WIOD A
IFRB Serial #	081001340	081001817	081001968	081001816	081001090			081003628	
Prefix/Freq	# 183/ 610	# 179/ 610	# 174/ 610	# 178/ 610	# 181/ 610	# 189/ 610	BL / 610	# 176/ 610	BL / 610
arn	Operatin	Operatin	Operatin	Proposal	Operatin	Operatin		Operatin	
Distance (km)	299.7	369.5	880.4	199.7	1359.5	531.1	1771.1	2115.9	1656.8
Bearing	292.9	279.9	306.8	265.4	298.3	110.8	162.8	321.5	223.1
Radiation on Gnd	978.6	978.6	978.6	309.5	978.6	290.5	1565.3	2189.1	941.1
Lower Angle	31.9	26.6	10.3	43.4	5.0	18.6	2.2	0.4	2.9
Upper Angle	31.9	26.6	10.3	43.4	5.0	18.6	2.2	0.4	2.9
Max Rad	777.8	834.7	955.6	201.0	973.1	268.8	1562.3	2189.0	939.4
Skywave Field	68.9	60.1	30.8	92.2	13.7	47.8	6.11	3.54	7.62
Limit	10.71491	10.02720	5.88872	3.70780	2.67036	2.57252	1.90814	1.54891	1.43080
Running RSS	10.7149	14.6749							

Nighttime limits to TIRPT S JOSE 5 CS N Lat 9 57 00 W Long 84 04 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081001968
 Comments: All radiations are in mV/m at 1 km

Limit from	HOHM T	HRLP T	YSS T	HCMJ1 T	HJKL T	TGGA T	YVSE T	HRLP 4 T	WIOD A
IFRB Serial #	081001090	081001817	081001340	081003628	081003193	081000822	081001517	081001816	
Prefix/Freq	# 181/ 610	# 179/ 610	# 183/ 610	# 176/ 610	# 173/ 610	# 177/ 610	# 186/ 610	# 178/ 610	BL / 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Proposal	
Distance (km)	510.9	572.7	592.5	1282.3	1252.6	880.4	1627.6	739.7	1815.1
Bearing	282.1	142.7	132.6	331.5	298.9	125.4	270.7	135.8	193.8
Radiation on Gnd	978.6	978.6	978.6	2189.1	1694.9	692.0	2188.1	309.5	902.8
Lower Angle	19.4	17.2	16.6	5.6	5.9	10.3	3.0	12.8	1.9
Upper Angle	19.4	17.2	16.6	5.6	5.9	10.3	3.0	12.8	1.9
Max Rad	899.4	915.8	920.0	2173.8	1682.8	675.8	2183.7	298.4	902.1
Skywave Field	49.0	45.7	44.7	15.8	16.7	30.8	8.09	37.4	5.65
Limit	8.81589	8.36427	8.22754	6.87826	5.62055	4.16422	3.53334	2.22918	1.01954
Running RSS	8.8159	12.1524	14.6756						

Nighttime limits to WAEL MAYAGUEZ PR US N Lat 18 10 39 W Long 67 10 15 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL- 600 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	YVQB T	HJHJ T	T	ZYH-287 T	ZYK-275 T	YVKL S	WCAO A
IFRB Serial #	081001516	081003191	081001800	081010063	081010062	081001515	
Prefix/Freq	# 113/ 600	# 108/ 600	# 112/ 600	# 104/ 600	# 103/ 600	# 62/ 590	BL / 600
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	890825AF
Distance (km)	923.1	1592.2	1893.3	2034.0	5626.4	853.9	2537.0
Bearing	340.2	30.6	317.5	359.7	340.2	358.5	155.9
Radiation on Gnd	2188.1	2188.1	978.6	978.6	4392.0	2347.2	1595.0
Lower Angle	6.8	1.6	0.1	0.0	0.0	7.6	0.0
Upper Angle	12.4	4.9	2.9	2.1	0.0	13.7	0.0
Max Rad	2165.6	2187.0	978.6	978.6	4392.0	2316.7	1595.0
Skywave Field	68.9	32.5	25.0	23.2	4.72	76.5	9.69
Limit	29.85920	14.21695	4.88924	4.54438	4.14565	3.54323	3.09198

Running RSS 29.8592 % 33.0710 % 33.4305 33.7380 33.9917 34.1759 34.3155

RSS 8.9% Exclusion 34.6326

Running RSS	6.6690	8.1878	9.2042 %	9.9055	10.5107	10.9624	11.3686	11.7585 %	12.0760	12.3565
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Running RSS	12.6072	12.8517	13.0731	13.2800	13.4821	13.6763	13.8675	14.0562	14.2338	14.3849
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Limit from	WFNZ	A	WFNZ	A	WIP	A	XEBX	T
IFRB Serial #								
Prefix/Freq	BL / 610		BP / 610		BL / 610		# 187/ 610	
arn	14470		050113AD		861110AE		Operatin	
Distance (km)	584.0		584.7		1263.9		1498.6	
Bearing	251.6		251.6		239.6		61.9	
Radiation on Gnd	90.8		90.8		293.1		218.8	
Lower Angle	12.5		12.5		3.6		2.1	
Upper Angle	20.9		20.9		7.9		5.7	
Max Rad	97.6		97.6		292.7		218.6	
Skywave Field	98.0		97.9		28.0		24.5	
Limit	1.91430		1.91139		1.63834		1.06942	

Running RSS 14.5118 14.6371 14.7285 14.7673

RSS 7.1% Exclusion 14.9576

Running RSS	7.1900	8.8132	9.9368 %	10.8182	11.4369	11.8563 %	12.1248	12.3398	12.5193	12.6836
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Running RSS	12.8211	12.9105	12.9957	13.0790	13.1567	13.2311	13.3050	13.3679
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RSS 9.6% Exclusion 13.4842

Nighttime limits to WCAO BALTIMORE MD US N Lat 39 25 47 W Long 76 45 42 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-890825AF 600 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	WIP	A	YVQB	T	HJHJ	T	WICC	A	WSJS	A	ZYK-275	T	WMT	S	WAEL	S	CFCH	S	CFCF	S
IFRB Serial #			081001516		081003191						081010062								000012045	
Prefix/Freq	BL / 610		# 113/ 600		# 108/ 600		BL / 600		BL / 600		# 103/ 600		BL / 600		BL / 600		# 130/ 600		# 131/ 600	
arn	861110AE		Operatin		Operatin						Operatin						Operatin		Operatin	
Distance (km)	149.3		3459.9		3729.4		360.6		485.2		8162.8		1277.4		2537.0		782.0		708.9	
Bearing	251.6		341.1		357.2		238.9		39.5		339.7		98.3		340.6		162.7		201.8	
Radiation on Gnd	312.9		2188.1		2188.1		67.2		66.5		4392.0		341.5		609.9		126.3		99.7	
Lower Angle	43.6		0.0		0.0		20.9		15.4		0.0		3.5		0.0		8.7		9.9	
Upper Angle	57.7		0.0		0.0		32.7		25.1		0.0		7.7		0.0		15.2		17.0	
Max Rad	485.0		2188.1		2188.1		61.3		83.3		4392.0		338.8		609.9		116.2		91.0	
Skywave Field	348.		6.27		5.98		166.		120.		2.02		23.2		9.69		50.3		60.1	
Limit	3.37962		2.74496		2.61502		2.03383		2.00063		1.77370		1.57048		1.18239		1.16875		1.09435	
Running RSS	3.3796		4.3539		5.0789 %		5.4710		5.8253		6.0893		6.2886 %		6.3988		6.5046		6.5961	

Limit from	TGRC	T	XE	T	ZYH-287	T		T	YSNK	T	XEZ	T
IFRB Serial #	081000821				081010063		081001800		081001339			
Prefix/Freq	# 109/ 600		# 124/ 600		# 104/ 600		# 112/ 600		# 111/ 600		# 125/ 600	
arn	Operatin		Proposal		Operatin		Operatin		Operatin		Operatin	
Distance (km)	3138.9		3247.5		4505.6		4317.8		3112.6		2386.8	
Bearing	24.3		63.0		348.5		333.0		20.8		27.9	
Radiation on Gnd	692.0		966.1		978.6		978.6		536.0		305.5	
Lower Angle	0.0		0.0		0.0		0.0		0.0		0.0	
Upper Angle	0.0		0.0		0.0		0.0		0.0		0.3	
Max Rad	692.0		966.1		978.6		978.6		536.0		305.5	
Skywave Field	7.10		4.66		4.58		4.40		7.31		10.6	
Limit	0.98286		0.89989		0.89603		0.86201		0.78368		0.64811	
Running RSS	6.6689		6.7293		6.7887		6.8432		6.8879		6.9184	

RSS 9.2% Exclusion 7.0219

Nighttime limits to WDAE ST. PETERSBURG FL US N Lat 27 52 37 W Long 82 35 26 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-911118AA 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YNGR1 T	JBC T	YVNO T	HCXY1 T	TGTQ T	HOQ 53 T	HJEL T	XENK T	HISD T	WIOD A
IFRB Serial #	081000986	081000947	081001518	081003629	081000823	081001091	081003194		081005010	
Prefix/Freq	# 262/ 620	# 260/ 620	# 267/ 620	# 256/ 620	# 257/ 620	# 263/ 620	# 254/ 620	# 269/ 620	# 255/ 620	BL / 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	
Distance (km)	1777.0	1214.6	2264.0	3563.1	1718.0	2154.1	2783.7	1924.8	1660.6	330.4
Bearing	10.7	335.8	330.7	354.3	31.0	359.5	347.4	57.5	311.2	313.6
Radiation on Gnd	2188.1	692.0	1383.6	2189.0	692.0	692.0	978.6	621.4	489.3	606.6
Lower Angle	0.6	4.0	0.0	0.0	0.9	0.0	0.0	0.0	1.2	22.8
Upper Angle	3.6	8.4	0.9	0.0	4.0	1.5	0.0	2.7	4.4	35.1
Max Rad	2188.0	690.0	1383.6	2189.0	691.9	692.0	978.6	621.4	489.1	551.6
Skywave Field	24.1	40.7	16.4	8.77	24.8	18.3	12.5	19.5	24.6	199.
Limit	10.54715	5.61144	4.53179	3.84148	3.42809	2.53428	2.44718	2.42193	2.41021	2.19407
Running RSS	10.5471	11.9470 %	12.7776	13.3426	13.7759 %	14.0071	14.2193	14.4241	14.6240	14.7877

Limit from	XEKX T	ABS T	HRLP 17 T	HRDP 5 T	XEHGR T
IFRB Serial #		081000959	081001820	081001819	
Prefix/Freq	# 271/ 620	# 240/ 620	# 259/ 620	# 258/ 620	# 273/ 620
arn	Proposal	Operatin	Proposal	Proposal	Operatin
Distance (km)	1077.9	2438.7	1485.2	1573.5	1534.5
Bearing	29.9	302.9	21.2	19.2	42.0
Radiation on Gnd	201.3	692.0	286.2	286.2	257.6
Lower Angle	5.2	0.0	2.2	1.7	1.9
Upper Angle	10.1	0.1	5.8	5.1	5.4
Max Rad	200.2	692.0	285.9	286.0	257.4
Skywave Field	48.0	13.0	30.9	28.5	28.6
Limit	1.92360	1.80088	1.76649	1.63084	1.47314
Running RSS	14.9123	15.0207	15.1242	15.2118	15.2830
RSS 9.5% Exclusion	15.5510				

Nighttime limits to WDAE ST. PETERSBURG FL US N Lat 27 52 37 W Long 82 35 25 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BP-050110BG 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YNGR1 T	JBC T	YVNO T	HCCY1 T	TGTQ T	HOQ 53 T	HJEL T	XENK T	HISD T	WIOD A
IFRB Serial #	081000986	081000947	081001518	081003629	081000823	081001091	081003194		081005010	
Prefix/Freq	# 262/ 620	# 260/ 620	# 267/ 620	# 256/ 620	# 257/ 620	# 263/ 620	# 254/ 620	# 269/ 620	# 255/ 620	BL / 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	
Distance (km)	1777.0	1214.6	2264.0	3563.1	1718.1	2154.1	2783.7	1924.9	1660.6	330.4
Bearing	10.7	335.8	330.7	354.3	31.0	359.5	347.4	57.5	311.2	313.6
Radiation on Gnd	2188.1	692.0	1383.6	2189.0	692.0	692.0	978.6	621.4	489.3	606.6
Lower Angle	0.6	4.0	0.0	0.0	0.9	0.0	0.0	0.0	1.2	22.8
Upper Angle	3.6	8.4	0.9	0.0	4.0	1.5	0.0	2.7	4.4	35.1
Max Rad	2188.0	690.0	1383.6	2189.0	691.9	692.0	978.6	621.4	489.1	551.6
Skywave Field	24.1	40.7	16.4	8.77	24.8	18.3	12.5	19.5	24.6	199.
Limit	10.54709	5.61152	4.53184	3.84149	3.42804	2.53428	2.44719	2.42187	2.41026	2.19415
Running RSS	10.5471	11.9470 %	12.7776	13.3426	13.7759 %	14.0071	14.2193	14.4240	14.6240	14.7877

Limit from	XEKX T	ABS T	HRLP 17 T	HRDP 5 T	XEHGR T
IFRB Serial #		081000959	081001820	081001819	
Prefix/Freq	# 271/ 620	# 240/ 620	# 259/ 620	# 258/ 620	# 273/ 620
arn	Proposal	Operatin	Proposal	Proposal	Operatin
Distance (km)	1078.0	2438.6	1485.3	1573.5	1534.5
Bearing	29.9	302.9	21.2	19.2	42.0
Radiation on Gnd	201.3	692.0	286.2	286.2	257.6
Lower Angle	5.2	0.0	2.2	1.7	1.9
Upper Angle	10.1	0.1	5.8	5.1	5.4
Max Rad	200.2	692.0	285.9	286.0	257.4
Skywave Field	48.0	13.0	30.9	28.5	28.6
Limit	1.92356	1.80091	1.76647	1.63082	1.47311
Running RSS	14.9123	15.0207	15.1242	15.2118	15.2830
RSS 9.5% Exclusion	15.5510				

Running RSS	11.7410	%	12.5656	13.3034	13.9652	%	14.3545	14.7008	15.0284	15.2542	15.4619	15.6580
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Running RSS	15.8283	15.9880	16.1461	16.2961	16.4418	16.5745	16.7062	16.8312	16.9275	17.0084
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RSS 9.7% Exclusion 17.0084

Nighttime limits to WEXS PATILLAS PR US N Lat 18 00 36 W Long 66 01 28 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-930712AA 610 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	YVSE	T	T	HJKL	T	HIJR	T	HCMJ1	T	HOHM	T	WDEL	S	TIRPT	T
IFRB Serial #	081001517	081001714	081003193	081006000	081003628	081001090	081001968								
Prefix/Freq	# 186/ 610	# 184/ 610	# 173/ 610	# 175/ 610	# 176/ 610	# 181/ 610	# 174/ 610								
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin								
Distance (km)	943.7	970.5	1728.5	506.6	2438.1	1765.5	2140.7								
Bearing	20.9	329.7	29.8	106.6	33.4	54.1	63.3								
Radiation on Gnd	2188.1	2188.1	1694.9	309.5	2189.1	978.6	978.6								
Lower Angle	6.5	6.2	0.9	14.7	0.0	0.7	0.0								
Upper Angle	12.1	11.6	4.0	24.1	0.1	3.7	1.5								
Max Rad	2167.6	2169.4	1694.6	294.9	2189.1	978.5	978.6								
Skywave Field	67.1	64.4	29.0	140.	17.4	27.2	19.9								
Limit	29.07468	27.95286	9.82416	8.23851	7.63081	5.32016	3.89396								

Running RSS	29.0747	40.3324 %	41.5116	42.3212	43.0037	43.3315	43.5702	43.7439
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RSS 8.8% Exclusion 44.0365

Running RSS	6.6690	8.1878	9.2042	%	9.9055	10.5107	10.9624	11.3686	11.7585	%	12.0760	12.3565
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Running RSS	12.6072	12.8517	13.0731	13.2800	13.4821	13.6763	13.8675	14.0562	14.2338	14.3849
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Limit from	WFNZ	A	WFNZ	A	WIP	A	XEBX	T
Prefix/Freq	BL / 610		BP / 610		BL / 610		# 187/ 610	
arn	14470		050113AD		861110AE		Operatin	
Distance (km)	584.0		584.7		1263.9		1498.6	
Bearing	251.6		251.6		239.6		61.9	
Radiation on Gnd	90.8		90.8		293.1		218.8	
Lower Angle	12.5		12.5		3.6		2.1	
Upper Angle	20.9		20.9		7.9		5.7	
Max Rad	97.6		97.6		292.7		218.6	
Skywave Field	98.0		97.9		28.0		24.5	
Limit	1.91430		1.91139		1.63834		1.06942	

Running RSS 14.5118 14.6371 14.7285 14.7673

RSS 7.1% Exclusion 14.9576

Nighttime limits to WFNZ CHARLOTTE NC US N Lat 35 17 53 W Long 80 53 40 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-14470 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WEZN	A	WAGG	T	WIP	A	WIOD	A	WTFX	A	YVSE	T	KCSP	T	WRJZ	A	T	WVBE	S
IFRB Serial #											081001517						081001714		
Prefix/Freq	BL / 610		BL / 610		BL / 610		BL / 610		BL / 610		# 186/ 610		BL / 610		BL / 620		# 184/ 610		BP / 610
arn			4749		861110AE						Operatin				791210AE		Operatin		040112BF
Distance (km)	584.0		584.0		719.0		1052.9		493.9		3041.5		1282.8		276.8		3387.4		235.6
Bearing	68.3		68.3		226.9		356.3		209.4		338.9		104.4		105.3		327.5		199.2
Radiation on Gnd	266.4		251.4		316.8		486.5		167.4		2188.1		690.9		359.2		2188.1		70.0
Lower Angle	12.5		12.5		9.7		5.4		15.1		0.0		3.5		26.8		0.0		30.9
Upper Angle	20.9		20.9		16.8		10.4		24.7		0.0		7.7		40.2		0.0		44.9
Max Rad	274.4		259.5		311.8		484.2		162.1		2188.1		689.0		729.2		2188.1		57.8
Skywave Field	98.0		98.0		68.9		42.9		118.		8.75		27.2		230.		7.03		264.
Limit	5.38102		5.08795		4.29689		4.15785		3.83601		3.83118		3.74325		3.35693		3.07707		3.04940
Running RSS	5.3810		7.4056		8.5619 %		9.5181		10.2620		10.9538		11.5758		12.0527		12.4393 %		12.8076

Limit from	WVBE	S	WVBE	A	WVBE-P	S	HCMJ1	T	HJKL	T	HRLP	T	YSS	T	TIRPT	T	KILT	A	HOHM	T
IFRB Serial #							081003628		081003193		081001817		081001340		081001968				081001090	
Prefix/Freq	BP / 610		BL / 610		# 1/ 610		# 176/ 610		# 173/ 610		# 179/ 610		# 183/ 610		# 174/ 610		BL / 610		# 181/ 610	
arn	040112BF						Operatin		Operatin		Operatin		Operatin		Operatin				Operatin	
Distance (km)	235.6		235.6		235.6		3950.8		3484.3		2444.2		2518.5		2836.5		1484.6		2925.2	
Bearing	199.2		199.2		199.2		356.6		349.2		13.9		15.3		6.0		62.5		357.4	
Radiation on Gnd	70.0		72.0		68.0		2189.1		1694.9		978.6		978.6		978.6		397.8		978.6	
Lower Angle	30.9		30.9		30.9		0.0		0.0		0.0		0.0		0.0		2.2		0.0	
Upper Angle	44.9		44.9		44.9		0.0		0.0		0.1		0.0		0.0		5.8		0.0	
Max Rad	57.8		57.0		55.6		2189.1		1694.9		978.6		978.6		978.6		397.6		978.6	
Skywave Field	264.		264.		264.		6.36		7.47		12.4		11.8		10.1		23.8		9.67	
Limit	3.04940		3.00669		2.93358		2.78432		2.53385		2.42133		2.31538		1.97852		1.89254		1.89219	
Running RSS	13.1656		13.5046		13.8195		14.0972		14.3231		14.5264		14.7097		14.8422		14.9624		15.0815	

Limit from	WSJS	A	WTVN	A	TGGA	T	KARV	S
IFRB Serial #					081000822			
Prefix/Freq	BL / 600		BL / 610		# 177/ 610		BL / 610	
arn			791010AJ		Operatin		800122AD	
Distance (km)	103.1		540.8		2495.9		1111.6	
Bearing	208.2		159.5		21.2		86.5	
Radiation on Gnd	436.7		106.7		692.0		207.2	
Lower Angle	54.1		13.7		0.0		4.9	
Upper Angle	66.4		22.6		0.0		9.6	
Max Rad	210.0		81.6		692.0		206.7	
Skywave Field	406.		104.		11.8		36.6	
Limit	1.70586		1.70360		1.63759		1.51239	

Running RSS	15.1777	15.2730	15.3606	15.4348
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RSS	9.7% Exclusion	15.6212
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Nighttime limits to WFNZ CHARLOTTE NC US N Lat 35 18 03 W Long 80 53 18 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BP-050113AD 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WEZN	A	WAGG	T	WIP	A	WIOD	A	WTFX	A	YVSE	T	KCSP	T	WRJZ	A	T	WVBE	S
IFRB Serial #											081001517						081001714		
Prefix/Freq	BL / 610		BL / 610		BL / 610		BL / 610		BL / 610		# 186/ 610		BL / 610		BL / 620		# 184/ 610		BP / 610
arn			4749		861110AE						Operatin				791210AE		Operatin		040112BF
Distance (km)	584.7		584.7		718.4		1053.1		493.4		3041.6		1283.2		277.2		3387.3		235.2
Bearing	68.2		68.2		226.9		356.4		209.4		338.9		104.3		105.2		327.5		199.1
Radiation on Gnd	266.4		251.4		316.8		486.5		167.5		2188.1		690.9		358.4		2188.1		69.8
Lower Angle	12.5		12.5		9.7		5.4		15.1		0.0		3.5		26.8		0.0		30.9
Upper Angle	20.9		20.9		16.8		10.4		24.7		0.0		7.7		40.1		0.0		44.9
Max Rad	274.4		259.5		311.7		484.1		162.2		2188.1		689.0		727.7		2188.1		57.8
Skywave Field	97.9		97.9		69.0		42.9		118.		8.75		27.1		230.		7.03		264.
Limit	5.37251		5.07994		4.30164		4.15584		3.84372		3.83092		3.74100		3.34480		3.07714		3.05325
Running RSS	5.3725		7.3939		8.5542 %		9.5102		10.2576		10.9497		11.5711		12.0448		12.4317 %		12.8011

Limit from	WVBE	S	WVBE	A	WVBE-P	S	HCMJ1	T	HJKL	T	HRLP	T	YSS	T	TIRPT	T	HOHM	T	KILT	A
IFRB Serial #							081003628		081003193		081001817		081001340		081001968		081001090			
Prefix/Freq	BP / 610		BL / 610		# 1/ 610		# 176/ 610		# 173/ 610		# 179/ 610		# 183/ 610		# 174/ 610		# 181/ 610		BL / 610	
arn	040112BF						Operatin		Operatin		Operatin		Operatin		Operatin		Operatin			
Distance (km)	235.2		235.2		235.2		3951.1		3484.5		2444.7		2519.0		2836.8		2925.5		1485.2	
Bearing	199.1		199.1		199.1		356.6		349.3		13.9		15.3		6.0		357.5		62.5	
Radiation on Gnd	69.8		72.1		67.9		2189.1		1694.9		978.6		978.6		978.6		978.6		397.8	
Lower Angle	30.9		30.9		30.9		0.0		0.0		0.0		0.0		0.0		0.0		2.2	
Upper Angle	44.9		44.9		44.9		0.0		0.0		0.1		0.0		0.0		0.0		5.8	
Max Rad	57.8		57.0		55.6		2189.1		1694.9		978.6		978.6		978.6		978.6		397.5	
Skywave Field	264.		264.		264.		6.36		7.47		12.4		11.8		10.1		9.67		23.8	
Limit	3.05325		3.01437		2.93900		2.78385		2.53350		2.42039		2.31448		1.97794		1.89177		1.89092	
Running RSS	13.1602		13.5010		13.8172		14.0949		14.3207		14.5238		14.7071		14.8395		14.9596		15.0786	

Limit from	WTVN	A	WSJS	A	TGGA	T	KARV	S
IFRB Serial #					081000822			
Prefix/Freq	BL / 610		BL / 600		# 177/ 610		BL / 610	
arn	791010AJ				Operatin		800122AD	
Distance (km)	540.7		102.6		2496.5		1112.1	
Bearing	159.5		208.0		21.2		86.4	
Radiation on Gnd	106.2		435.0		692.0		207.3	
Lower Angle	13.7		54.3		0.0		4.9	
Upper Angle	22.6		66.5		0.0		9.6	
Max Rad	81.3		207.9		692.0		206.7	
Skywave Field	104.		407.		11.8		36.6	
Limit	1.69754		1.69143		1.63688		1.51166	

Running RSS 15.1739 15.2679 15.3554 15.4296

RSS 9.7% Exclusion 15.6162

Running RSS	7.4969	%	7.9295	8.3363	8.6900	8.9849	%	9.2410	9.4470	9.6278	9.8051	9.9382
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Running RSS	10.0460	10.1430	10.2201	10.2854	10.3417	10.3974	10.4454
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RSS 9.5% Exclusion 10.5801

Nighttime limits to WHEN SYRACUSE NY US N Lat 43 05 34 W Long 76 11 17 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-990713DC 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WRJZ	A	WZON	S	WIP	A	WTMJ	A	WSNR	S	WSNR	S	YNGR1	T	WSNR	S	WMAL	A	WMAL	A
IFRB Serial #													081000986							
Prefix/Freq	BL / 620		BL / 620		BL / 610		BL / 620		BL / 620		BMP / 620		# 262/ 620		BMP / 620		BP / 630		BL / 630	
arn	791210AE				861110AE		950222AD		980427KB		011203AM		Operatin		040326LI		050218AV		850515AC	
Distance (km)	1025.6		622.8		369.8		967.5		307.7		292.6		3560.0		309.7		460.3		460.3	
Bearing	37.3		254.5		346.3		83.4		326.7		329.1		13.5		325.7		9.7		9.7	
Radiation on Gnd	417.7		247.4		1029.0		429.5		120.8		88.5		2188.1		78.4		867.4		867.4	
Lower Angle	5.7		11.6		20.4		6.3		24.4		25.5		0.0		24.2		16.3		16.3	
Upper Angle	10.8		19.6		32.0		11.7		37.1		38.6		0.0		36.9		26.4		26.4	
Max Rad	459.1		235.3		982.1		424.8		70.2		62.1		2188.1		57.6		836.3		836.3	
Skywave Field	36.5		68.6		157.		34.5		192.		202.		5.31		190.		120.		120.	
Limit	3.34763		3.23036		3.08580		2.92964		2.69076		2.50816		2.32433		2.19138		2.01016		2.01016	
Running RSS	3.3476		4.6521		5.5825		6.3045 %		6.8547		7.2992		7.6603		7.9676		8.2173 %		8.4596	

Limit from	WDNC	S	HCCY1	T	WPRO	A	YVNO	T	WDAE	A	WSNG	A	WDAE	A	WKHB	S	WVMT	A	WTMT	S
IFRB Serial #			081003629				081001518													
Prefix/Freq	BL / 620		# 256/ 620		BL / 630		# 267/ 620		BL / 620		BL / 610		BP / 620		BP / 620		BL / 620		BL / 620	
arn	030131KI		Operatin		801215AH		Operatin		911118AA				050110BG		010820AB		881229AE		870529AF	
Distance (km)	819.9		5244.4		425.2		3663.4		1786.8		297.1		1786.8		426.8		287.0		960.8	
Bearing	16.0		3.0		291.8		353.7		17.1		301.0		17.1		41.9		237.1		53.4	
Radiation on Gnd	163.8		2189.0		553.3		1383.6		419.6		422.1		407.0		56.2		34.0		150.8	
Lower Angle	8.1		0.0		17.7		0.0		0.6		25.2		0.6		17.7		26.0		6.4	
Upper Angle	14.4		0.0		28.4		0.0		3.6		38.1		3.6		28.3		39.1		11.8	
Max Rad	161.1		2189.0		562.9		1383.6		419.6		322.5		407.0		48.0		31.3		148.2	
Skywave Field	53.0		3.41		128.		5.18		15.5		197.		15.5		131.		197.		38.9	
Limit	1.70954		1.49091		1.44201		1.43435		1.30198		1.26856		1.26307		1.25493		1.23005		1.15447	
Running RSS	8.6306		8.7584		8.8763		8.9914		9.0852		9.1734		9.2599		9.3446		9.4252		9.4956	

Limit from	JBC	T	ABS	T
IFRB Serial #	081000947		081000959	
Prefix/Freq	# 260/ 620		# 240/ 620	
arn	Operatin		Operatin	
Distance (km)	2794.6		3187.6	
Bearing	2.3		337.8	
Radiation on Gnd	692.0		692.0	
Lower Angle	0.0		0.0	
Upper Angle	0.0		0.0	
Max Rad	692.0		692.0	
Skywave Field	7.71		5.94	
Limit	1.06701		0.82149	

Running RSS	9.5554	9.5906
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RSS	8.4% Exclusion	9.7841
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Running RSS	2.5441	3.4819	4.1915	4.7754 %	5.1269	5.4068	5.6415	5.8341 %	6.0077	6.1296
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Running RSS	6.2237	6.3122	6.3766	6.4312	6.4837	6.5290	6.5632	6.5921
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RSS 9.3% Exclusion 6.6431

Nighttime limits to WIOD MIAMI FL US N Lat 25 50 58 W Long 80 09 18 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YVSE T	HRLP T	T	YSS T	HCMJ1 T	HJKL T	TIRPT T	HOHM T	TGGA T	WDAE A
IFRB Serial #	081001517	081001817	081001714	081001340	081003628	081003193	081001968	081001090	081000822	
Prefix/Freq	# 186/ 610	# 179/ 610	# 184/ 610	# 183/ 610	# 176/ 610	# 173/ 610	# 174/ 610	# 181/ 610	# 177/ 610	BL / 620
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	911118AA
Distance (km)	2096.8	1503.5	2606.9	1593.4	2897.9	2449.9	1815.1	1872.5	1656.8	330.4
Bearing	328.1	28.3	313.3	30.0	356.6	345.3	12.6	358.0	39.5	132.5
Radiation on Gnd	2188.1	978.6	2188.1	978.6	2189.1	1694.9	978.6	978.6	692.0	915.7
Lower Angle	0.0	2.1	0.0	1.6	0.0	0.0	0.4	0.2	1.2	22.8
Upper Angle	1.8	5.6	0.0	4.9	0.0	0.0	3.4	3.0	4.5	35.1
Max Rad	2188.1	977.6	2188.1	978.0	2189.1	1694.9	978.5	978.6	691.8	830.1
Skywave Field	19.1	31.4	13.1	28.8	12.4	15.6	24.3	23.3	26.8	199.
Limit	8.34999	6.13301	5.73190	5.63556	5.40703	5.30292	4.75453	4.55708	3.71246	3.30199

Running RSS 8.3500 10.3603 11.8402 % 13.1130 14.1840 15.1429 15.8718 16.5130 % 16.9252 17.2443

Limit from	WDAE A	HIJR T	KCSP T	HRLP 4 T	4VJS T
IFRB Serial #		081006000		081001816	081000912
Prefix/Freq	BP / 620	# 175/ 610	BL / 610	# 178/ 610	# 180/ 610
arn	050110BG	Operatin		Proposal	Operatin
Distance (km)	330.4	1214.9	1989.2	1523.4	1143.8
Bearing	132.5	308.1	132.9	34.7	316.6
Radiation on Gnd	888.3	309.5	690.9	309.5	195.7
Lower Angle	22.8	4.0	0.0	2.0	4.6
Upper Angle	35.1	8.4	2.4	5.5	9.2
Max Rad	829.3	308.4	690.9	309.2	194.8
Skywave Field	199.	40.8	14.1	30.5	45.0
Limit	3.29903	2.51348	1.95196	1.88833	1.75394

Running RSS 17.5570 17.7360 17.8431 17.9427 18.0283

RSS 9.6% Exclusion 18.3175

Nighttime limits to WIP PHILADELPHIA PA US N Lat 39 51 56 W Long 75 06 43 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-861110AE 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YVSE T	T	HCMJ1 T	KCSP T	WGIR A	WIOD A	WCAO A	HJKL T	WTFX A	WHEN A
IFRB Serial #	081001517	081001714	081003628					081003193		
Prefix/Freq	# 186/ 610	# 184/ 610	# 176/ 610	BL / 610	BL / 610	BL / 610	BL / 600	# 173/ 610	BL / 610	BL / 620
arn	Operatin	Operatin	Operatin		810805AD		890825AF	Operatin		990713DC
Distance (km)	3360.5	3532.5	4464.1	1675.6	462.8	1627.2	149.3	3922.2	276.7	369.8
Bearing	351.0	339.8	4.0	80.5	222.1	15.5	70.5	358.6	73.5	165.6
Radiation on Gnd	2188.1	2188.1	2189.1	690.9	102.0	476.5	115.6	1694.9	44.3	530.1
Lower Angle	0.0	0.0	0.0	1.1	16.2	1.4	43.6	0.0	26.9	20.4
Upper Angle	0.0	0.0	0.0	4.3	26.3	4.7	57.7	0.0	40.2	32.0
Max Rad	2188.1	2188.1	2189.1	690.7	84.0	476.3	268.3	1694.9	33.1	466.9
Skywave Field	6.65	5.94	4.66	14.6	118.	20.0	348.	5.50	223.	157.
Limit	2.91025	2.60046	2.03993	2.01675	1.97871	1.90139	1.86971	1.86536	1.47552	1.46694
Running RSS	2.9102	3.9028	4.4038 %	4.8436	5.2322	5.5670	5.8726	6.1617 %	6.3359	6.5035

Limit from	CKTB A	HRLP T	YSS T	WVBE S	WVBE S	WVBE-P S	WEZN A	WSNG A	HOHM T	TIRPT T
IFRB Serial #	000012052	081001817	081001340						081001090	081001968
Prefix/Freq	# 206/ 610	# 179/ 610	# 183/ 610	BP / 610	BP / 610	# 1/ 610	BL / 610	BL / 610	# 181/ 610	# 174/ 610
arn	Operatin	Operatin	Operatin	040112BF	040112BF				Operatin	Operatin
Distance (km)	488.2	3102.4	3183.7	514.4	514.4	514.4	1263.9	272.6	3457.2	3441.9
Bearing	134.9	20.1	21.0	54.9	54.9	54.9	52.5	220.2	6.5	13.4
Radiation on Gnd	68.3	978.6	978.6	73.0	73.0	69.9	226.9	34.1	978.6	978.6
Lower Angle	15.3	0.0	0.0	14.5	14.5	14.5	3.6	27.2	0.0	0.0
Upper Angle	25.0	0.0	0.0	23.8	23.8	23.8	7.9	40.6	0.0	0.0
Max Rad	65.3	978.6	978.6	61.4	61.4	59.2	230.1	28.7	978.6	978.6
Skywave Field	110.	7.19	6.92	109.	109.	109.	28.0	222.	6.47	6.42
Limit	1.43288	1.40780	1.35366	1.34394	1.34394	1.29426	1.28814	1.27339	1.26690	1.25613
Running RSS	6.6595	6.8067	6.9400	7.0689	7.1955	7.3110	7.4236	7.5320	7.6378	7.7404

Limit from	WAGG	T	ZYL-268 S	WFNZ	A	WFNZ	A	WTVN	A	TGGA	T	CHNC	A	CHNC	S	WVMT	A	WVBE	A
IFRB Serial #			081010066							081000822		12054		000012054					
Prefix/Freq	BL / 610	#	167/ 610	BP / 610		BL / 610		BL / 610		#	177/ 610	#	208/ 610	#	207/ 610	BL / 620		BL / 610	
arn	4749		Operatin	050113AD		14470		791010AJ		Operatin		Proposal		Operatin		881229AE			
Distance (km)	1263.9		7400.3	718.4		719.0		670.9		3187.0		1200.5		1200.5		541.9		514.4	
Bearing	52.5		334.3	43.3		43.4		87.6		25.3		224.6		224.6		197.3		54.9	
Radiation on Gnd	215.9		2353.9	66.0		66.0		64.6		692.0		215.9		215.8		526.3		38.6	
Lower Angle	3.6		0.0	9.7		9.7		10.6		0.0		4.1		4.1		13.7		14.5	
Upper Angle	7.9		0.0	16.8		16.8		18.1		0.0		8.5		8.5		22.6		23.8	
Max Rad	218.9		2353.9	71.6		71.6		67.4		692.0		214.1		214.1		472.5		38.9	
Skywave Field	28.0		2.22	69.0		68.9		72.2		6.75		20.8		20.8		92.0		109.	
Limit	1.22549		1.04292	0.98744		0.98665		0.97274		0.93364		0.89188		0.89162		0.86939		0.85101	
Running RSS	7.8368		7.9059	7.9674		8.0282		8.0869		8.1406		8.1894		8.2378		8.2835		8.3271	

Nighttime limits to WIP PHILADELPHIA PA US N Lat 39 51 56 W Long 75 06 43 Date 30-MAY-06 RMB&A LIM Page 2
File No./arn BL-861110AE 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KARV	S	
IFRB Serial #			
Prefix/Freq	BL / 610		
arn	800122AD		
Distance (km)	1665.2		
Bearing	66.9		
Radiation on Gnd	259.0		
Lower Angle	1.2		
Upper Angle	4.4		
Max Rad	258.9		
Skywave Field	16.2		
Limit	0.84138		

Running RSS 8.3695

RSS 9.7% Exclusion 8.6346

Running RSS	6.6057	8.3216	9.3312	%	10.0830	10.6369	11.1358	11.5252	11.9017	%	12.2359	12.5323
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Running RSS	12.8078	13.0370	13.2383	13.3875	13.5169	13.6330	13.7222	13.8081	13.8782
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RSS 10.0% Exclusion 13.9448

Running RSS	10.9607	%	11.9111		12.3120	%	12.6313		12.9371		13.2264		13.4176		13.5876		13.7040		13.8157
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Running RSS	13.9208	14.0173	14.1079	14.1974	14.2773	14.3447
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RSS 9.5% Exclusion 14.5607

Nighttime limits to WMT CEDAR RAPIDS IA US N Lat 42 03 40 W Long 91 32 44 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 600 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	XE	T	KXSP	T	HJHJ	T	KCSP	T	YVQB	T	ZYK-275	T	WBWL	A	TGRC	T	KOGO	A	WSNL	S
IFRB Serial #					081003191				081001516		081010062				081000821					
Prefix/Freq	# 124/ 600		BL / 590		# 108/ 600		BL / 610		# 113/ 600		# 103/ 600		BL / 600		# 109/ 600		BL / 600		BMP / 600	
arn	Proposal				Operatin				Operatin		Operatin				Operatin				041202BN	
Distance (km)	2151.6		378.8		4344.3		429.9		4412.8		9017.6		1572.7		3088.4		2469.7		638.9	
Bearing	48.3		75.9		340.1		36.3		327.7		330.9		328.9		359.7		57.8		264.2	
Radiation on Gnd	966.1		698.1		2188.1		690.9		2188.1		4392.0		295.0		692.0		589.4		61.9	
Lower Angle	0.0		20.0		0.0		17.5		0.0		0.0		1.7		0.0		0.0		11.3	
Upper Angle	1.5		31.4		0.0		28.1		0.0		0.0		5.1		0.0		0.0		19.1	
Max Rad	966.1		633.8		2188.1		643.8		2188.1		4392.0		294.9		692.0		589.4		60.8	
Skywave Field	11.2		156.		4.18		136.		3.51		1.58		19.4		7.12		8.10		72.6	
Limit	2.15626		1.97693		1.82799		1.75438		1.53775		1.38815		1.14575		0.98535		0.95530		0.88176	
Running RSS	2.1563		2.9254		3.4495		3.8700 %		4.1643		4.3896		4.5367 %		4.6425		4.7397		4.8210	

Limit from	WSJS	A	KSJB	A	YSNK	T	WICC	A	CKBD	S	XEZ	T	XEDN	T	CFCH	S	KCOL	S	WREC	A
IFRB Serial #					081001339				000012040											
Prefix/Freq	BL / 600		BL / 600		# 111/ 600		BL / 600		# 126/ 600		# 125/ 600		# 116/ 600		# 130/ 600		BL / 600		BL / 600	
arn					Operatin				Operatin		Operatin		Operatin		Operatin		850919AC		801205AC	
Distance (km)	1168.5		776.0		3165.0		1528.3		2550.4		2353.0		2135.9		1065.8		1136.4		774.6	
Bearing	307.8		130.4		356.3		279.9		96.0		355.9		27.8		248.9		77.6		350.6	
Radiation on Gnd	137.5		78.9		536.0		240.7		886.6		305.5		263.6		118.9		105.4		57.3	
Lower Angle	4.4		8.8		0.0		1.9		0.0		0.0		0.0		5.3		4.7		8.8	
Upper Angle	8.9		15.4		0.0		5.4		0.0		0.5		1.6		10.2		9.3		15.4	
Max Rad	132.3		77.8		536.0		240.4		886.6		305.5		263.6		117.9		104.9		51.2	
Skywave Field	29.8		49.9		6.85		15.2		3.91		10.7		12.3		27.0		29.8		61.1	
Limit	0.78805		0.77674		0.73423		0.73306		0.69406		0.65400		0.64635		0.63750		0.62613		0.62558	
Running RSS	4.8850		4.9464		5.0006		5.0540		5.1015		5.1432		5.1837		5.2227		5.2601		5.2972	

Limit from	ZYH-287 T	WCAO	A
IFRB Serial #	081010063		
Prefix/Freq	# 104/ 600	BL / 600	
arn	Operatin	890825AF	
Distance (km)	5291.1	1277.4	
Bearing	335.4	288.0	
Radiation on Gnd	978.6	126.3	
Lower Angle	0.0	3.5	
Upper Angle	0.0	7.7	
Max Rad	978.6	126.0	
Skywave Field	3.11	23.2	
Limit	0.60802	0.58414	

Running RSS	5.3320	5.3639
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RSS 10.0% Exclusion	5.8506
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Nighttime limits to WREC MEMPHIS TN US N Lat 35 11 51 W Long 90 00 31 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-801205AC 600 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	HJHJ T	XE T	YVQB T	TGRC T	ZYK-275 T	XEZ T	YSNK T	KFNS A	KCSP T	WVLK A
IFRB Serial #	081003191		081001516	081000821	081010062		081001339			
Prefix/Freq	# 108/ 600	# 124/ 600	# 113/ 600	# 109/ 600	# 103/ 600	# 125/ 600	# 111/ 600	BL / 590	BL / 610	BL / 590
arn	Operatin	Proposal	Operatin	Operatin	Operatin	Operatin	Operatin	810128AD		
Distance (km)	3607.9	2021.8	3796.5	2329.2	8312.3	1583.1	2395.2	414.9	587.3	582.7
Bearing	336.4	69.8	320.7	3.1	327.9	358.5	358.2	179.0	134.4	237.9
Radiation on Gnd	2188.1	966.1	2188.1	692.0	4392.0	305.5	536.0	532.7	690.9	630.4
Lower Angle	0.0	0.0	0.0	0.0	0.0	1.6	0.0	18.2	12.4	12.6
Upper Angle	0.0	2.2	0.0	0.6	0.0	5.0	0.3	29.0	20.8	21.0
Max Rad	2188.1	966.1	2188.1	692.0	4392.0	305.3	536.0	465.9	666.8	614.3
Skywave Field	6.87	13.9	5.63	13.7	2.01	23.7	13.1	149.	95.0	96.1
Limit	3.00849	2.69366	2.46515	1.89160	1.76615	1.44492	1.40445	1.38712	1.26686	1.18010
Running RSS	3.0085	4.0382	4.7311 %	5.0953	5.3927	5.5829	5.7569 %	5.9216	6.0556	6.1695

Limit from	XEDN T	XECV1 T	XEOCH T	XEPAC T	WSNL S	ZYH-287 T	XEMN1 T	XERJ S	WMT S	KOGO A
IFRB Serial #						081010063				
Prefix/Freq	# 116/ 600	# 123/ 600	# 114/ 600	# 115/ 600	BMP / 600	# 104/ 600	# 133/ 600	# 121/ 600	BL / 600	BL / 600
arn	Operatin	Proposal	Operatin	Operatin	041202BN	Operatin	Proposal	Operatin		
Distance (km)	1675.6	1710.6	2043.9	1971.3	1008.7	4589.9	1439.2	2065.1	774.6	2502.9
Bearing	47.0	28.8	5.4	5.3	213.9	331.2	40.5	46.3	169.6	76.2
Radiation on Gnd	263.6	253.8	304.3	281.2	122.8	978.6	167.7	295.4	69.0	447.4
Lower Angle	1.1	1.0	0.0	0.0	5.8	0.0	2.5	0.0	8.8	0.0
Upper Angle	4.3	4.1	2.1	2.5	11.0	0.0	6.2	1.9	15.4	0.0
Max Rad	263.6	253.7	304.3	281.2	121.0	978.6	167.5	295.4	67.5	447.4
Skywave Field	20.4	20.7	16.5	17.3	38.8	4.71	26.3	14.7	61.1	9.00
Limit	1.07652	1.04980	1.00202	0.97481	0.94011	0.92215	0.88195	0.86820	0.82578	0.80510
Running RSS	6.2628	6.3501	6.4287	6.5022	6.5698	6.6342	6.6926	6.7486	6.7990	6.8465

Limit from	XEHW1	T	KARV	S	WSJS	A	XEMN	T	XETA	T	XEBB	T	KCOL	S	T	KXSP	T	WBWL	A
IFRB Serial #	# 122/ 600		BL / 610		BL / 600		# 120/ 600		# 119/ 600		# 117/ 600		BL / 600		# 112/ 600		BL / 590		BL / 600
Prefix/Freq	Proposal		800122AD				Operatin		Operatin		Operatin		850919AC		Operatin				
Distance (km)	2066.2		285.7		877.5		1439.2		2026.0		2265.5		1449.0		4833.8		857.6		943.6
Bearing	44.9		91.4		266.1		40.5		28.0		23.6		109.9		317.3		140.6		307.4
Radiation on Gnd	268.3		188.5		82.6		144.9		234.9		270.1		171.1		978.6		698.1		70.6
Lower Angle	0.0		26.1		7.3		2.5		0.0		0.0		2.4		0.0		7.6		6.5
Upper Angle	1.9		39.3		13.3		6.2		2.2		0.9		6.1		0.0		13.6		12.1
Max Rad	268.3		175.5		73.2		144.8		234.9		270.1		170.5		978.6		688.4		72.9
Skywave Field	14.8		224.		53.1		26.3		16.2		13.9		21.9		3.73		52.8		49.8
Limit	0.79344		0.78659		0.77769		0.76210		0.76064		0.75209		0.74608		0.72969		0.72658		0.72564
Running RSS	6.8923		6.9370		6.9805		7.0220		7.0631		7.1030		7.1421		7.1792		7.2159		7.2523

Nighttime limits to WREC MEMPHIS TN US N Lat 35 11 51 W Long 90 00 31 Date 30-MAY-06 RMB&A LIM Page 2
File No./arn BL-801205AC 600 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	XEBB1	T	
IFRB Serial #			
Prefix/Freq	# 132/ 600		
arn	Proposal		
Distance (km)	2263.0		
Bearing	23.6		
Radiation on Gnd	259.4		
Lower Angle	0.0		
Upper Angle	0.9		
Max Rad	259.4		
Skywave Field	13.9		
Limit	0.72340		

Running RSS 7.2883

RSS 9.5% Exclusion 7.6422

Nighttime limits to WRJZ KNOXVILLE TN US N Lat 35 59 24 W Long 83 50 15 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-791210AE 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YNGR1	T	WTMT	S	WDAE	A	HCCY1	T	YVNO	T	WDAE	A	WJDX	A	JBC	T	WDNC	S	KMKI	A
IFRB Serial #	081000986						081003629		081001518						081000947					
Prefix/Freq	# 262/ 620		BL / 620		BL / 620		# 256/ 620		# 267/ 620		BP / 620		BL / 620		# 260/ 620		BL / 620		BL / 620	
arn	Operatin		870529AF		911118AA		Operatin		Operatin		050110BG				Operatin		030131KI		951017AD	
Distance (km)	2653.2		306.9		909.6		4472.7		3106.5		909.6		708.5		2095.3		438.4		1200.8	
Bearing	4.2		146.9		352.9		354.1		338.3		352.9		53.8		344.1		270.8		71.7	
Radiation on Gnd	2188.1		99.2		218.8		2189.0		1383.6		212.3		133.1		692.0		75.0		259.8	
Lower Angle	0.0		24.4		6.9		0.0		0.0		6.9		9.9		0.0		17.2		4.1	
Upper Angle	0.0		37.2		12.7		0.0		0.0		12.7		17.0		1.8		27.6		8.5	
Max Rad	2188.1		81.3		217.1		2189.0		1383.6		211.3		144.2		692.0		67.0		255.9	
Skywave Field	10.9		207.		53.1		5.26		8.29		53.1		75.1		14.9		140.		32.8	
Limit	4.77726		3.36403		2.30491		2.30099		2.29294		2.24256		2.16742		2.05956		1.87267		1.68137	
Running RSS	4.7773		5.8428 %		6.2810		6.6892		7.0713		7.4184		7.7285		7.9983 %		8.2146		8.3849	

Limit from	TGTQ	T	WTMJ	A	WKHB	S	XENK	T	HJEL	T	HOQ 53	T	KMNS	A	KMNS	A	HISD	T	WMAL	A
IFRB Serial #	081000823								081003194		081001091						081005010			
Prefix/Freq	# 257/ 620		BL / 620		BP / 620		# 269/ 620		# 254/ 620		# 263/ 620		BP / 620		BL / 620		# 255/ 620		BP / 630	
arn	Operatin		950222AD		010820AB		Operatin		Operatin		Operatin		060314CF		850709AC		Operatin		050218AV	
Distance (km)	2473.0		830.4		599.2		2374.1		3687.8		3059.5		1295.9		1295.8		2376.2		679.4	
Bearing	16.6		152.7		218.4		35.7		349.3		357.5		119.0		119.0		327.7		242.4	
Radiation on Gnd	692.0		156.6		89.8		621.4		978.6		692.0		228.6		228.4		489.3		756.3	
Lower Angle	0.0		8.0		12.2		0.0		0.0		0.0		3.4		3.4		0.0		10.4	
Upper Angle	0.0		14.2		20.4		0.4		0.0		0.0		7.5		7.5		0.4		17.8	
Max Rad	692.0		153.8		87.0		621.4		978.6		692.0		232.9		232.7		489.3		745.6	
Skywave Field	11.9		53.0		89.5		11.9		6.78		8.92		24.9		24.9		11.6		75.3	
Limit	1.64774		1.63166		1.55702		1.47332		1.32729		1.23451		1.15941		1.15858		1.13711		1.12334	
Running RSS	8.5452		8.6996		8.8379		8.9598		9.0576		9.1413		9.2146		9.2871		9.3565		9.4237	

Limit from	WMAL	A	ABS	T	WZON	S
IFRB Serial #			081000959			
Prefix/Freq	BL / 630	#	240 / 620		BL / 620	
arn	850515AC		Operatin			
Distance (km)	679.4		3015.7		1604.7	
Bearing	242.4		318.3		237.5	
Radiation on Gnd	756.3		692.0		320.5	
Lower Angle	10.4		0.0		1.5	
Upper Angle	17.8		0.0		4.8	
Max Rad	745.6		692.0		320.2	
Skywave Field	75.3		7.53		14.8	
Limit	1.12334		1.04189		0.94822	

Running RSS	9.4904	9.5474	9.5944
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RSS	9.6% Exclusion	9.8311
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Nighttime limits to WSJS WINSTON-SALEM NC US N Lat 36 07 00 W Long 80 21 26 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 600 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	HJHJ	T	YVQB	T	WMT	S	WCAO	A	WREC	A	ZYK-275	T	WBWL	A	TGRC	T	WSNL	S	WSNL	A
IFRB Serial #	081003191		081001516								081010062				081000821					
Prefix/Freq	# 108/ 600		# 113/ 600		BL / 600		BL / 600		BL / 600		# 103/ 600		BL / 600		# 109/ 600		BMP / 600		BL / 600	
arn	Operatin		Operatin				890825AF		801205AC		Operatin				Operatin		041202BN			
Distance (km)	3403.6		3290.8		1168.5		485.2		877.5		7960.0		659.7		2663.4		811.6		808.6	
Bearing	351.1		333.0		120.8		221.7		80.5		335.5		11.0		22.3		157.3		158.6	
Radiation on Gnd	2188.1		2188.1		453.1		177.5		201.5		4392.0		105.5		692.0		131.4		127.7	
Lower Angle	0.0		0.0		4.4		15.4		7.3		0.0		10.8		0.0		8.2		8.3	
Upper Angle	0.0		0.0		8.9		25.1		13.3		0.0		18.4		0.0		14.6		14.6	
Max Rad	2188.1		2188.1		447.3		99.0		205.1		4392.0		103.6		692.0		127.8		124.3	
Skywave Field	7.55		7.36		29.8		120.		53.1		2.19		83.7		10.4		54.4		54.7	
Limit	3.30409		3.22228		2.66440		2.37687		2.17911		1.92153		1.73465		1.44258		1.38955		1.35900	
Running RSS	3.3041		4.6152		5.3291 %		5.8351		6.2287		6.5184		6.7453 %		6.8978		7.0364		7.1664	

Limit from	XE	T	WFNZ	A	WFNZ	A	WAEI	S	YSNK	T	WMBS	A	ZYH-287	T	XEZ	T		T	WICC	A
IFRB Serial #									081001339				081010063				081001800			
Prefix/Freq	# 124/ 600		BL / 610		BP / 610		BL / 600		# 111/ 600		BL / 590		# 104/ 600		# 125/ 600		# 112/ 600		BL / 600	
arn	Proposal		14470		050113AD				Operatin				Operatin		Operatin		Operatin			
Distance (km)	2899.3		103.1		102.6		2377.7		2647.3		419.6		4255.5		1906.5		4235.1		838.8	
Bearing	69.5		27.9		27.7		329.6		17.9		187.5		342.6		26.0		326.1		230.4	
Radiation on Gnd	966.1		68.9		68.8		513.5		536.0		410.6		978.6		305.5		978.6		92.2	
Lower Angle	0.0		54.1		54.3		0.0		0.0		18.0		0.0		0.0		0.0		7.8	
Upper Angle	0.0		66.4		66.5		0.4		0.0		28.7		0.0		2.8		0.0		14.0	
Max Rad	966.1		151.4		151.1		513.5		536.0		391.7		978.6		305.5		978.6		90.2	
Skywave Field	6.56		406.		407.		11.6		10.6		144.		5.40		16.7		4.86		52.5	
Limit	1.26699		1.22979		1.22955		1.19430		1.14080		1.12951		1.05716		1.02111		0.95200		0.94710	
Running RSS	7.2775		7.3807		7.4824		7.5771		7.6625		7.7453		7.8171		7.8836		7.9408		7.9971	

Limit from	CFCH	S	XEOCH	T
IFRB Serial #				
Prefix/Freq	# 130/ 600		# 114/ 600	
arn	Operatin		Operatin	
Distance (km)	1121.2		2429.3	
Bearing	184.1		26.2	
Radiation on Gnd	163.0		304.3	
Lower Angle	4.8		0.0	
Upper Angle	9.5		0.1	
Max Rad	159.1		304.3	
Skywave Field	29.0		11.7	
Limit	0.92205		0.71468	

Running RSS	8.0501	8.0818
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RSS	8.4% Exclusion	8.5408
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Nighttime limits to WSWG TORRINGTON CT US N Lat 41 45 28 W Long 73 03 06 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WIP	A	WGIR	A	YVSE	T	T	WVMT	A	CFLO	A
IFRB Serial #					081001517		081001714			12053	
Prefix/Freq	BL / 610		BL / 610		# 186/ 610		# 184/ 610		BL / 620	# 198/ 610	
arn	861110AE		810805AD		Operatin		Operatin		881229AE	Proposal	
Distance (km)	272.6		190.3		3539.8		3654.8		309.0	567.4	
Bearing	38.8		223.2		354.5		343.9		177.4	159.0	
Radiation on Gnd	284.0		89.8		2188.1		2188.1		766.0	124.3	
Lower Angle	27.2		36.7		0.0		0.0		24.3	13.0	
Upper Angle	40.6		51.0		0.0		0.0		37.0	21.6	
Max Rad	412.4		67.9		2188.1		2188.1		551.8	113.1	
Skywave Field	222.		291.		5.76		5.33		185.	79.2	
Limit	18.28008		3.94913		2.52231		2.33287		2.04105	1.79017	

Running RSS 18.2801 % 18.7018 18.8711 19.0148 19.1240 19.2076

RSS 9.2% Exclusion 19.4917

Nighttime limits to WSNL FLINT MI US N Lat 42 56 23 W Long 83 37 41 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL- 600 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	WTVN	A	WMT	S	WCAO	A	WSJS	A	WKZO	A	WREC	A	WICC	A	CFCH	S	HJHJ	T	YVQB	T
IFRB Serial #																	081003191		081001516	
Prefix/Freq	BL / 610		BL / 600		BL / 600		BL / 600		BL / 590		BL / 600		BL / 600		# 130/ 600		# 108/ 600		# 113/ 600	
arn	791010AJ				890825AF						801205AC				Operatin		Operatin		Operatin	
Distance (km)	345.2		656.1		694.2		808.6		171.2		1021.2		885.6		488.1		4205.2		4078.7	
Bearing	351.2		78.8		306.4		340.7		66.8		30.6		286.4		223.9		349.4		336.0	
Radiation on Gnd	1638.3		325.7		257.0		269.4		284.6		312.0		262.1		97.2		2188.1		2188.1	
Lower Angle	21.9		10.9		10.1		8.3		39.7		5.7		7.2		15.3		0.0		0.0	
Upper Angle	33.9		18.5		17.4		14.6		54.0		10.9		13.1		25.0		0.0		0.0	
Max Rad	1508.2		315.6		238.7		269.1		437.5		307.5		258.7		105.0		2188.1		2188.1	
Skywave Field	172.		69.5		65.7		54.7		313.		38.0		41.9		98.8		4.38		4.11	
Limit	5.18749		4.38906		3.13577		2.94136		2.73922		2.33626		2.16891		2.07426		1.91715		1.79726	
Running RSS	5.1875		6.7951 %		7.4838		8.0410		8.4948		8.8102 %		9.0733		9.3073		9.5027		9.6712	

Limit from	ZYK-275 T	KSJB	A	XE	T	WBWL	A	WIP	A	TGRC	T
IFRB Serial #	081010062									081000821	
Prefix/Freq	# 103/ 600	BL / 600		# 124/ 600		BL / 600		BL / 610		# 109/ 600	
arn	Operatin			Proposal				861110AE		Operatin	
Distance (km)	8762.5	1261.5		2780.2		1415.0		787.6		3270.8	
Bearing	336.4	104.5		52.8		353.8		298.5		11.6	
Radiation on Gnd	4392.0	352.9		966.1		258.3		1119.2		692.0	
Lower Angle	0.0	3.7		0.0		2.6		8.6		0.0	
Upper Angle	0.0	7.9		0.0		6.4		15.1		0.0	
Max Rad	4392.0	350.7		966.1		258.0		1108.0		692.0	
Skywave Field	1.67	18.8		6.21		23.1		52.9		6.13	
Limit	1.46777	1.31716		1.19987		1.19146		1.17234		0.84832	
Running RSS	9.7820	9.8702		9.9429		10.0140		10.0824		10.1180	

RSS 8.3% Exclusion 10.2123

Nighttime limits to WSNL FLINT MI US N Lat 42 54 27 W Long 83 50 07 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BMP-041202BN 600 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	WTVN	A	WMT	S	WKZO	A	WCAO	A	WSJS	A	WREC	A	WICC	A	CFCH	S	HJHJ	T	YVQB	T
IFRB Serial #																	081003191		081001516	
Prefix/Freq	BL / 610		BL / 600		BL / 590		BL / 600		BL / 600		BL / 600		BL / 600		# 130/ 600		# 108/ 600		# 113/ 600	
arn	791010AJ						890825AF				801205AC				Operatin		Operatin		Operatin	
Distance (km)	344.8		638.9		154.2		706.7		811.6		1008.7		901.7		502.0		4205.9		4084.9	
Bearing	348.3		78.9		65.7		305.4		339.5		30.0		286.0		225.1		349.2		335.7	
Radiation on Gnd	1538.7		324.5		308.8		243.8		257.9		312.8		260.9		102.1		2188.1		2188.1	
Lower Angle	21.9		11.3		42.7		9.9		8.2		5.8		7.0		14.9		0.0		0.0	
Upper Angle	33.9		19.1		56.8		17.1		14.6		11.0		12.8		24.3		0.0		0.0	
Max Rad	1429.5		313.6		447.5		227.0		258.3		308.0		257.7		108.0		2188.1		2188.1	
Skywave Field	172.		72.6		333.		63.9		54.4		38.8		40.6		94.9		4.38		4.10	
Limit	4.92506		4.55219		2.97638		2.90019		2.80884		2.39233		2.09499		2.04890		1.91783		1.79247	
Running RSS	4.9251		6.7066 %		7.3374		7.8898		8.3748		8.7098 %		8.9583		9.1896		9.3876		9.5572	

Limit from	ZYK-275 T	KSJB	A	WBWL	A	XE	T	WIP	A	TGRC	T
IFRB Serial #	081010062									081000821	
Prefix/Freq	# 103/ 600	BL / 600		BL / 600		# 124/ 600		BL / 610		# 109/ 600	
arn	Operatin					Proposal		861110AE		Operatin	
Distance (km)	8767.4	1247.8		1413.8		2763.2		801.9		3262.9	
Bearing	336.3	105.0		353.1		52.7		297.8		11.3	
Radiation on Gnd	4392.0	349.6		265.1		966.1		1106.7		692.0	
Lower Angle	0.0	3.8		2.6		0.0		8.4		0.0	
Upper Angle	0.0	8.0		6.4		0.0		14.8		0.0	
Max Rad	4392.0	347.4		264.7		966.1		1096.4		692.0	
Skywave Field	1.67	19.3		23.1		6.31		51.4		6.17	
Limit	1.46640	1.33737		1.22537		1.21841		1.12672		0.85349	
Running RSS	9.6690	9.7611		9.8377		9.9128		9.9767		10.0131	

RSS 8.5% Exclusion 10.1004

Nighttime limits to WSNR JERSEY CITY NJ US N Lat 40 50 52 W Long 74 20 22 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BMP-011203AM 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WHEN	A	WVMT	A	WZON	S	WSNR	S	WKHB	S	WRJZ	A	WIP	A	YNGR1	T	WDAE	A
IFRB Serial #															081000986			
Prefix/Freq	BL / 620		BL / 620		BL / 620		BMP / 620		BP / 620		BL / 620		BL / 610		# 262/ 620		BL / 620	
	990713DC		881229AE				040326LI		010820AB		791210AE		861110AE		Operatin		911118AA	
Distance (km)	292.6		419.9		632.9		25.8		457.0		987.1		127.3		3379.5		1626.9	
Bearing	147.9		193.0		227.6		279.1		80.4		54.0		30.7		17.5		25.4	
Radiation on Gnd	462.4		590.7		386.7		98.9		211.7		587.9		301.0		2188.1		536.0	
Lower Angle	25.5		18.0		11.4		79.8		16.4		6.1		48.2		0.0		1.4	
Upper Angle	38.6		28.7		19.3		83.8		26.6		11.4		61.7		0.0		4.7	
Max Rad	385.5		491.2		364.1		52.9		187.8		557.2		477.0		2188.1		535.8	
Skywave Field	202.		129.		70.5		464.		123.		40.4		372.		6.20		19.1	
Limit	15.57396		12.69835		5.13719		4.90963		4.61143		4.50772		3.54877		2.71158		2.05120	

Running RSS	15.5740	20.0947 %	20.7410 %	21.3141	21.8073	22.2683	22.5493	22.7117	22.8042
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RSS 9.0% Exclusion 22.8908

Nighttime limits to WSNR JERSEY CITY NJ US N Lat 40 47 53 W Long 74 06 24 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-980427KB 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

[illegible]

Nighttime limits to WSNR JERSEY CITY NJ US N Lat 40 48 42 W Long 74 02 13 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BMP-040326LI 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WHEN	A	WVMT	A	WZON	S	WRJZ	A	WKHB	S	WIP	A	YNGR1	T	WDAE	A
IFRB Serial #													081000986			
Prefix/Freq	BL / 620		BL / 620		BL / 620		BL / 620		BP / 620		BL / 610		# 262/ 620		BL / 620	
arn	990713DC		881229AE				791210AE		010820AB		861110AE		Operatin		911118AA	
Distance (km)	309.7		419.2		618.5		1007.3		481.9		139.2		3385.8		1636.4	
Bearing	144.2		189.4		225.6		54.9		81.2		40.5		17.9		26.3	
Radiation on Gnd	432.3		638.4		399.4		614.2		215.6		283.1		2188.1		547.9	
Lower Angle	24.2		18.0		11.7		5.9		15.5		45.6		0.0		1.3	
Upper Angle	36.9		28.7		19.7		11.1		25.3		59.5		0.0		4.6	
Max Rad	370.4		532.0		374.9		584.8		193.8		454.5		2188.1		547.7	
Skywave Field	190.		130.		73.2		39.1		114.		358.		6.17		18.9	
Limit	14.09489		13.78990		5.48991		4.57192		4.43106		3.25478		2.70235		2.07511	

Running RSS	14.0949	19.7187 %	20.4687 %	20.9731	21.4360	21.6817	21.8495	21.9478
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RSS 9.4% Exclusion 22.1276

Nighttime limits to WTFX WINCHESTER VA US N Lat 39 11 53 W Long 78 13 13 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 610 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WIP	A	YVSE	T	KCSP	T	WVBE	S	WVBE	S	WVBE-P	S	T	WVBE	A	WIOD	A
IFRB Serial #			081001517										081001714				
Prefix/Freq	BL / 610		# 186/ 610		BL / 610		BP / 610		BP / 610		# 1/ 610		# 184/ 610	BL / 610		BL / 610	
arn	861110AE		Operatin				040112BF		040112BF				Operatin				
Distance (km)	276.7		3356.6		1414.1		264.0		264.0		264.0		3597.8	264.0		1495.0	
Bearing	255.4		346.0		83.8		36.5		36.5		36.5		335.2	36.5		6.5	
Radiation on Gnd	338.5		2188.1		690.9		69.5		69.5		65.6		2188.1	59.4		479.1	
Lower Angle	26.9		0.0		2.6		28.0		28.0		28.0		0.0	28.0		2.1	
Upper Angle	40.2		0.0		6.4		41.5		41.5		41.5		0.0	41.5		5.7	
Max Rad	480.9		2188.1		689.8		57.6		57.6		54.1		2188.1	48.4		478.7	
Skywave Field	223.		6.75		20.9		236.		236.		236.		5.79	236.		23.4	
Limit	21.44191		2.95505		2.88146		2.72196		2.72196		2.55801		2.53569	2.28676		2.23937	

Running RSS	21.4419 %	21.6446	21.8355	22.0045	22.1723	22.3193	22.4629	22.5790	22.6898
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RSS 9.8% Exclusion 22.7959

Nighttime limits to WTMJ MILWAUKEE WI US N Lat 42 42 28 W Long 88 03 57 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-950222AD 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YNGR1 T	HCCY1 T	YVNO T	JBC T	XENK T	KTAR A	TGTQ T	KCSP T	KJSL A	WRJZ A
IFRB Serial #	081000986	081003629	081001518	081000947			081000823			
Prefix/Freq	# 262/ 620	# 256/ 620	# 267/ 620	# 260/ 620	# 269/ 620	BL / 620	# 257/ 620	BL / 610	BL / 630	BL / 620
arn	Operatin	Operatin	Operatin	Operatin	Operatin		Operatin			791210AE
Distance (km)	3398.2	5269.9	3936.4	2922.5	2793.3	2321.1	3116.6	689.6	480.8	830.4
Bearing	356.9	351.1	338.8	342.4	19.3	56.8	5.4	51.0	20.4	335.4
Radiation on Gnd	2188.1	2189.0	1383.6	692.0	621.4	540.0	692.0	690.9	418.3	76.6
Lower Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	15.6	8.0
Upper Angle	0.0	0.0	0.0	0.0	0.0	0.6	0.0	17.6	25.3	14.2
Max Rad	2188.1	2189.0	1383.6	692.0	621.4	540.0	692.0	674.5	359.5	75.5
Skywave Field	6.00	3.42	4.50	7.12	7.84	8.68	6.76	68.9	116.	53.0
Limit	2.62406	1.49595	1.24553	0.98559	0.97403	0.93768	0.93540	0.93006	0.83711	0.80117
Running RSS	2.6241	3.0205 %	3.2672	3.4127	3.5489	3.6707	3.7880 %	3.9005	3.9894	4.0690

Limit from	HJEL T	WDAE A	WJDX A	WZON S	WDAE A	HOQ 53 T	WVMT A	WLAP A	CKCK S	XEBU T
IFRB Serial #	081003194					081001091			000120611	
Prefix/Freq	# 254/ 620	BL / 620	BL / 620	BL / 620	BP / 620	# 263/ 620	BL / 620	BL / 630	# 279/ 620	# 268/ 620
arn	Operatin	911118AA			050110BG	Operatin	881229AE	810109AA	Operatin	Operatin
Distance (km)	4504.6	1721.1	1163.1	1562.0	1721.1	3842.9	1210.2	594.5	1518.4	2246.0
Bearing	347.0	344.8	8.6	268.1	344.8	352.7	265.5	330.1	117.5	41.3
Radiation on Gnd	978.6	222.8	116.0	304.7	216.1	692.0	162.3	407.1	282.9	301.5
Lower Angle	0.0	0.9	4.4	1.7	0.9	0.0	4.1	12.3	2.0	0.0
Upper Angle	0.0	4.0	9.0	5.2	4.0	0.0	8.4	20.6	5.5	1.0
Max Rad	978.6	222.7	115.0	304.5	216.0	692.0	161.1	384.3	282.6	301.5
Skywave Field	4.05	16.9	32.2	12.1	16.9	5.07	21.3	86.4	11.4	10.3
Limit	0.79240	0.75499	0.73964	0.73572	0.73228	0.70139	0.68466	0.66365	0.64268	0.62278
Running RSS	4.1455	4.2136	4.2781	4.3409	4.4022	4.4577	4.5100	4.5586	4.6036	4.6456

Limit from	WSNR	S	WTMT	S	KMKI	A	ABS	T	HISD	T	WHEN	A	WIP	A	OCY4A	T	WDNC	S	WKHB	S
IFRB Serial #							081000959		081005010						081001160					
Prefix/Freq	BMP / 620		BL / 620		BL / 620		# 240/ 620		# 255/ 620		BL / 620		BL / 610		# 266/ 620		BL / 620		BP / 620	
arn	040326LI		870529AF		951017AD		Operatin		Operatin		990713DC		861110AE		Operatin		030131KI		010820AB	
Distance (km)	1181.0		527.5		1286.5		3772.1		3187.6		967.5		1126.1		6323.3		1077.0		746.2	
Bearing	284.9		338.5		32.7		324.4		331.5		271.5		290.5		349.9		316.3		293.9	
Radiation on Gnd	126.1		30.9		107.8		692.0		489.3		80.2		964.4		978.6		80.6		47.9	
Lower Angle	4.3		14.1		3.5		0.0		0.0		6.3		4.7		0.0		5.2		9.2	
Upper Angle	8.8		23.2		7.6		0.0		0.0		11.7		9.4		0.0		10.1		16.1	
Max Rad	123.0		28.3		107.0		692.0		489.3		79.6		962.6		978.6		78.5		45.3	
Skywave Field	25.2		102.		26.8		4.14		5.84		34.5		28.4		2.72		33.9		58.2	
Limit	0.62021		0.58026		0.57291		0.57234		0.57182		0.54900		0.54647		0.53274		0.53162		0.52652	
Running RSS	4.6868		4.7226		4.7572		4.7915		4.8255		4.8566		4.8873		4.9162		4.9449		4.9729	

Nighttime limits to WTMJ MILWAUKEE WI US N Lat 42 42 28 W Long 88 03 57 Date 30-MAY-06 RMB&A LIM Page 2
File No./arn BL-950222AD 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	T	
IFRB Serial #	093003133	
Prefix/Freq	# 241/ 620	
arn	Proposal	
Distance (km)	5467.9	
Bearing	335.7	
Radiation on Gnd	898.6	
Lower Angle	0.0	
Upper Angle	0.0	
Max Rad	898.6	
Skywave Field	2.90	
Limit	0.52098	

Running RSS 5.0001

RSS 9.6% Exclusion 5.4452

Nighttime limits to WTMJ LOUISVILLE KY US N Lat 38 18 59 W Long 85 42 08 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-870529AF 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WRJZ	A	YNGR1	T	WTMJ	A	HCXY1	T	YVNO	T	WKHB	S	WDNC	S	KMKI	A	JBC	T	WJDX	A
IFRB Serial #			081000986				081003629		081001518								081000947			
Prefix/Freq	BL / 620		# 262/ 620		BL / 620		# 256/ 620		# 267/ 620		BP / 620		BL / 620		BL / 620		# 260/ 620		BL / 620	
arn	791210AE		Operatin		950222AD		Operatin		Operatin		010820AB		030131KI		951017AD		Operatin			
Distance (km)	306.9		2903.7		527.5		4752.8		3412.2		560.8		648.5		1127.6		2395.1		774.9	
Bearing	328.0		0.4		157.0		352.4		337.8		248.9		295.0		56.9		342.4		30.4	
Radiation on Gnd	216.8		2188.1		204.3		2189.0		1383.6		103.3		124.5		245.6		692.0		124.5	
Lower Angle	24.4		0.0		14.1		0.0		0.0		13.1		11.1		4.7		0.0		8.8	
Upper Angle	37.2		0.0		23.2		0.0		0.0		21.8		18.8		9.4		0.3		15.4	
Max Rad	152.3		2188.1		187.0		2189.0		1383.6		94.9		109.0		240.6		692.0		118.8	
Skywave Field	207.		8.89		102.		4.52		6.62		96.0		81.3		35.6		11.2		64.9	
Limit	6.30261		3.88899		3.83235		1.97886		1.83302		1.82253		1.77366		1.71523		1.54576		1.54300	
Running RSS	6.3026		7.4059		8.3387 %		8.5703		8.7641		8.9516		9.1256		9.2854		9.4132		9.5388	

Limit from	WDAE	A	WDAE	A	TGTQ	T	XENK	T	KMNS	A	KMNS	A	HJEL	T	HOQ 53	T
IFRB Serial #					081000823								081003194		081001091	
Prefix/Freq	BL / 620		BP / 620		# 257/ 620		# 269/ 620		BP / 620		BL / 620		# 254/ 620		# 263/ 620	
arn	911118AA		050110BG		Operatin		Operatin		060314CF		850709AC		Operatin		Operatin	
Distance (km)	1196.1		1196.1		2672.5		2470.8		1015.1		1015.2		3979.6		3331.1	
Bearing	346.8		346.8		11.3		28.7		112.8		112.8		347.7		354.8	
Radiation on Gnd	214.2		207.8		692.0		621.4		160.5		160.3		978.6		692.0	
Lower Angle	4.2		4.2		0.0		0.0		5.8		5.8		0.0		0.0	
Upper Angle	8.6		8.6		0.0		0.0		11.0		11.0		0.0		0.0	
Max Rad	212.8		206.7		692.0		621.4		172.8		172.6		978.6		692.0	
Skywave Field	33.9		33.9		9.93		10.6		36.9		36.9		5.64		7.32	
Limit	1.44202		1.40037		1.37407		1.31220		1.27631		1.27484		1.10423		1.01260	
Running RSS	9.6472		9.7483		9.8447		9.9318		10.0134		10.0943		10.1545		10.2048	

RSS 9.9% Exclusion 10.2740

Nighttime limits to WTVN COLUMBUS OH US N Lat 39 52 26 W Long 82 58 36 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn BL-791010AJ 610 kHz FCC Rules (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	WIP	A	KCSP	T	WTFX	A	WVBE	A	WEZN	A	WAGG	T	WRJZ	A	YVSE	T	WVBE-P	S	WVBE	S
IFRB Serial #															081001517					
Prefix/Freq	BL / 610		BL / 610		BL / 610		BL / 610		BL / 610		BL / 610		BL / 620		# 186/ 610		# 1/ 610		BP / 610	
arn	861110AE										4749		791210AE		Operatin				040112BF	
Distance (km)	670.9		1004.8		414.6		383.0		789.6		789.6		438.4		3579.3		383.0		383.0	
Bearing	272.6		80.7		281.9		319.2		25.0		25.0		9.7		339.9		319.2		319.2	
Radiation on Gnd	586.3		690.9		195.5		68.5		270.8		257.7		1109.6		2188.1		113.9		117.2	
Lower Angle	10.6		5.9		18.2		19.7		8.5		8.5		17.2		0.0		19.7		19.7	
Upper Angle	18.1		11.1		29.0		31.1		15.1		15.1		27.6		0.0		31.1		31.1	
Max Rad	607.1		685.4		169.9		107.3		275.4		262.1		1023.3		2188.1		73.3		70.0	
Skywave Field	72.2		38.6		143.		160.		61.4		61.4		137.		5.86		160.		160.	
Limit	8.76376		5.29456		4.84872		3.42785		3.38076		3.21764		2.80386		2.56427		2.34021		2.23578	
Running RSS	8.7638		10.2389	%	11.3290		11.8362		12.3096		12.7232	%	13.0284		13.2784		13.4830		13.6672	

Limit from	WVBE	S		T	WIOD	A	HCMJ1	T	WFNZ	A	WFNZ	A	KARV	S	CHNC	A	HJKL	T	CFLO	S
IFRB Serial #															12054		081003193		12053	
Prefix/Freq	BP / 610		# 184/ 610		BL / 610		# 176/ 610		BP / 610		BL / 610		BL / 610		# 208/ 610		# 173/ 610		# 197/ 610	
arn	040112BF		Operatin				Operatin		050113AD		14470		800122AD		Proposal		Operatin		Operatin	
Distance (km)	383.0		3896.3		1581.1		4474.8		540.7		540.8		1029.8		1677.5		4022.5		959.2	
Bearing	319.2		330.6		351.2		354.7		340.7		340.8		57.4		243.9		348.4		222.1	
Radiation on Gnd	117.2		2188.1		493.0		2189.1		80.2		80.1		243.0		890.6		1694.9		246.8	
Lower Angle	19.7		0.0		1.6		0.0		13.7		13.7		5.6		1.1		0.0		6.4	
Upper Angle	31.1		0.0		5.0		0.0		22.6		22.6		10.7		4.3		0.0		11.8	
Max Rad	70.0		2188.1		492.8		2189.1		91.1		91.1		241.7		890.3		1694.9		244.8	
Skywave Field	160.		4.83		21.1		4.66		104.		104.		39.3		10.1		5.24		34.3	
Limit	2.23578		2.11438		2.07838		2.03844		1.90385		1.90234		1.89978		1.79651		1.77717		1.68053	
Running RSS	13.8488		14.0093		14.1626		14.3086		14.4347		14.5595		14.6829		14.7924		14.8988		14.9933	

Limit from	CFLO	A	HRLP	T	CFLO	T	YSS	T	WGIR	A
IFRB Serial #	12053		081001817		000012053		081001340			
Prefix/Freq	# 198/ 610		# 179/ 610		# 196/ 610		# 183/ 610		BL / 610	
arn	Proposal		Operatin		Proposal		Operatin		810805AD	
Distance (km)	957.2		2899.1		959.2		2964.7		1018.8	
Bearing	221.8		7.4		222.1		8.7		253.8	
Radiation on Gnd	245.6		978.6		234.9		978.6		228.2	
Lower Angle	6.4		0.0		6.4		0.0		5.7	
Upper Angle	11.9		0.0		11.8		0.0		10.9	
Max Rad	243.6		978.6		233.0		978.6		226.7	
Skywave Field	34.4		8.30		34.3		8.05		33.6	
Limit	1.67806		1.62530		1.59905		1.57502		1.52162	

Running RSS 15.0869 15.1742 15.2582 15.3393 15.4146

RSS 9.7% Exclusion 15.7000

Running RSS	6.8428	9.3345	11.2853	%	12.5681	13.2799	13.7540	%	14.1520	14.5203	14.8459	15.1482
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Running RSS	15.3972	15.5891	15.7442	15.8676	15.9804	16.0911	16.1885	16.2728	16.3511
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RSS 9.7% Exclusion 16.4254

Limit from	WIP	A	WFNZ	A	WFNZ	A	WTFX	A	WTVN	A	KCSP	T	YVSE	T	WEZN	A	WAGG	T	WIOD	A
IFRB Serial #													081001517							
Prefix/Freq	BL / 610		BP / 610		BL / 610		BL / 610		BL / 610		BL / 610		# 186/ 610		BL / 610		BL / 610		BL / 610	
arn	861110AE		050113AD		14470				791010AJ				Operatin				4749			
Distance (km)	514.4		235.2		235.6		264.0		383.0		1287.6		3213.8		749.8		749.8		1273.5	
Bearing	237.9		18.6		18.7		217.6		137.3		93.8		342.0		53.7		53.7		0.5	
Radiation on Gnd	298.8		59.2		59.3		145.2		95.9		690.9		2188.1		228.2		217.1		482.8	
Lower Angle	14.5		30.9		30.9		28.0		19.7		3.5		0.0		9.2		9.2		3.6	
Upper Angle	23.8		44.9		44.9		41.5		31.1		7.6		0.0		16.0		16.0		7.8	
Max Rad	312.8		120.1		120.2		117.0		134.3		689.0		2188.1		239.7		228.0		481.7	
Skywave Field	109.		264.		264.		236.		160.		26.0		7.61		67.8		67.8		31.3	
Limit	6.84284		6.34887		6.34240		5.53151		4.28949		3.58014		3.33239		3.24999		3.09198		3.01094	
Running RSS	6.8428		9.3345		11.2853	%	12.5681		13.2799		13.7540	%	14.1520		14.5203		14.8459		15.1482	

Limit from	T	HCMJ1	T	HJKL	T	HRLP	T	YSS	T	CKTB	A	WSJS	A	TIRPT	T	HOHM	T
IFRB Serial #	081001714	081003628		081003193		081001817		081001340		000012052				081001968		081001090	
Prefix/Freq	# 184/ 610	# 176/ 610		# 173/ 610		# 179/ 610		# 183/ 610		# 206/ 610		BL / 600		# 174/ 610		# 181/ 610	
arn	Operatin	Operatin		Operatin		Operatin		Operatin		Operatin				Operatin		Operatin	
Distance (km)	3514.1	4168.9		3686.4		2679.7		2754.1		641.8		134.9		3067.8		3145.2	
Bearing	331.0	358.0		351.3		14.1		15.3		186.9		11.9		6.9		359.1	
Radiation on Gnd	2188.1	2189.1		1694.9		978.6		978.6		125.8		408.7		978.6		978.6	
Lower Angle	0.0	0.0		0.0		0.0		0.0		11.2		46.6		0.0		0.0	
Upper Angle	0.0	0.0		0.0		0.0		0.0		19.0		60.3		0.0		0.0	
Max Rad	2188.1	2189.1		1694.9		978.6		978.6		122.8		239.6		978.6		978.6	
Skywave Field	6.30	5.57		6.50		10.1		9.69		76.8		370.		8.45		8.17	
Limit	2.75817	2.43853		2.20462		1.97445		1.89552		1.88435		1.77357		1.65363		1.59889	
Running RSS	15.3972	15.5891		15.7442		15.8676		15.9804		16.0911		16.1885		16.2728		16.3511	

RSS 9.7% Exclusion 16.4254

Running RSS	6.8428	9.3345	11.2853	%	12.5681	13.2799	13.7540	%	14.1520	14.5203	14.8459	15.1482
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Running RSS	15.3972	15.5891	15.7442	15.8676	15.9804	16.0911	16.1885	16.2728	16.3511
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RSS 9.7% Exclusion 16.4254

Limit from	WIP	A	WFNZ	A	WFNZ	A	WTFX	A	WTVN	A	KCSP	T	YVSE	T	WEZN	A	WAGG	T	WIOD	A
IFRB Serial #													081001517							
Prefix/Freq	BL / 610		BP / 610		BL / 610		BL / 610		BL / 610		BL / 610		# 186/ 610		BL / 610		BL / 610		BL / 610	
arn	861110AE		050113AD		14470				791010AJ				Operatin				4749			
Distance (km)	514.4		235.2		235.6		264.0		383.0		1287.6		3213.8		749.8		749.8		1273.5	
Bearing	237.9		18.6		18.7		217.6		137.3		93.8		342.0		53.7		53.7		0.5	
Radiation on Gnd	298.8		59.2		59.3		145.2		95.9		690.9		2188.1		228.2		217.1		482.8	
Lower Angle	14.5		30.9		30.9		28.0		19.7		3.5		0.0		9.2		9.2		3.6	
Upper Angle	23.8		44.9		44.9		41.5		31.1		7.6		0.0		16.0		16.0		7.8	
Max Rad	312.8		120.1		120.2		117.0		134.3		689.0		2188.1		239.7		228.0		481.7	
Skywave Field	109.		264.		264.		236.		160.		26.0		7.61		67.8		67.8		31.3	
Limit	6.84284		6.34887		6.34240		5.53151		4.28949		3.58014		3.33239		3.24999		3.09198		3.01094	
Running RSS	6.8428		9.3345		11.2853	%	12.5681		13.2799		13.7540	%	14.1520		14.5203		14.8459		15.1482	

Limit from	T	HCMJ1	T	HJKL	T	HRLP	T	YSS	T	CTKB	A	WSJS	A	TIRPT	T	HOHM	T
IFRB Serial #	081001714	081003628		081003193		081001817		081001340		000012052				081001968		081001090	
Prefix/Freq	# 184/ 610	# 176/ 610		# 173/ 610		# 179/ 610		# 183/ 610		# 206/ 610		BL / 600		# 174/ 610		# 181/ 610	
arn	Operatin	Operatin		Operatin		Operatin		Operatin		Operatin				Operatin		Operatin	
Distance (km)	3514.1	4168.9		3686.4		2679.7		2754.1		641.8		134.9		3067.8		3145.2	
Bearing	331.0	358.0		351.3		14.1		15.3		186.9		11.9		6.9		359.1	
Radiation on Gnd	2188.1	2189.1		1694.9		978.6		978.6		125.8		408.7		978.6		978.6	
Lower Angle	0.0	0.0		0.0		0.0		0.0		11.2		46.6		0.0		0.0	
Upper Angle	0.0	0.0		0.0		0.0		0.0		19.0		60.3		0.0		0.0	
Max Rad	2188.1	2189.1		1694.9		978.6		978.6		122.8		239.6		978.6		978.6	
Skywave Field	6.30	5.57		6.50		10.1		9.69		76.8		370.		8.45		8.17	
Limit	2.75817	2.43853		2.20462		1.97445		1.89552		1.88435		1.77357		1.65363		1.59889	
Running RSS	15.3972	15.5891		15.7442		15.8676		15.9804		16.0911		16.1885		16.2728		16.3511	

RSS 9.7% Exclusion 16.4254

Nighttime limits to WVMT BURLINGTON VT US N Lat 44 32 04 W Long 73 13 15 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL-881229AE 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	WZON	S	WHEN	A	WPRO	A	WSNR	S	WSNR	S	WTMJ	A	WSNR	S	YNGR1	T	CHLT	A	WRJZ	A
IFRB Serial #															081000986		000012071			
Prefix/Freq	BL / 620		BL / 620		BL / 630		BMP / 620		BMP / 620		BL / 620		BL / 620		# 262/ 620		# 352/ 630		BL / 620	
arn			990713DC		801215AH		011203AM		040326LI		950222AD		980427KB		Operatin		Operatin		791210AE	
Distance (km)	352.1		287.0		343.3		419.9		419.2		1210.2		421.7		3793.0		136.7		1306.9	
Bearing	266.2		55.0		334.0		12.2		8.9		75.3		9.6		16.2		231.7		40.1	
Radiation on Gnd	290.3		90.6		1153.9		117.0		73.1		471.0		89.5		2188.1		168.7		359.5	
Lower Angle	21.4		26.0		22.0		18.0		18.0		4.1		17.9		0.0		46.2		3.3	
Upper Angle	33.4		39.1		34.1		28.7		28.7		8.4		28.6		0.0		59.9		7.4	
Max Rad	257.2		90.9		1037.8		100.2		80.3		468.1		76.5		2188.1		264.8		370.2	
Skywave Field	151.		197.		164.		129.		130.		21.3		129.		4.46		334.		22.6	
Limit	7.75598		3.57401		3.40168		2.58937		2.08137		1.98972		1.96958		1.95302		1.77060		1.67217	
Running RSS	7.7560 %		8.5398		9.1924		9.5501 %		9.7743		9.9748		10.1674		10.3532		10.5036		10.6358	

Limit from	HCXY1	T	CKOY	S	YVNO	T	WDAE	A	WDAE	A
IFRB Serial #	081003629				081001518					
Prefix/Freq	# 256/ 620		# 277/ 620		# 267/ 620		BL / 620		BP / 620	
arn	Operatin		Proposal		Operatin		911118AA		050110BG	
Distance (km)	5428.6		760.8		3798.8		2030.5		2030.5	
Bearing	5.6		121.8		357.8		21.7		21.7	
Radiation on Gnd	2189.0		157.0		1383.6		484.3		469.8	
Lower Angle	0.0		9.0		0.0		0.0		0.0	
Upper Angle	0.0		15.7		0.0		2.1		2.1	
Max Rad	2189.0		154.8		1383.6		484.3		469.8	
Skywave Field	3.08		41.8		4.64		11.7		11.7	
Limit	1.34714		1.29410		1.28428		1.13358		1.09966	
Running RSS	10.7208		10.7986		10.8747		10.9337		10.9888	
RSS	9.8% Exclusion		11.1694							

Nighttime limits to WZON BANGOR ME US N Lat 44 49 44 W Long 68 47 08 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn BL- 620 kHz FCC Rules (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YNGR1	T	HCCY1	T	YVNO	T	WRJZ	A	WSNR	S	WTMJ	A	WDAE	A	CHLT	A	WDAE	A	WSNR	S
IFRB Serial #	081000986		081003629		081001518										000012071					
Prefix/Freq	# 262/ 620		# 256/ 620		# 267/ 620		BL / 620		BL / 620		BL / 620		BL / 620		# 352/ 630		BP / 620		BMP / 620	
arn	Operatin		Operatin		Operatin		791210AE		980427KB		950222AD		911118AA		Operatin		050110BG		011203AM	
Distance (km)	3976.3		5526.2		3836.4		1604.7		623.6		1562.0		2246.8		247.6		2246.8		632.9	
Bearing	20.9		9.6		3.4		47.6		42.3		74.7		29.3		101.2		29.3		43.8	
Radiation on Gnd	2188.1		2189.0		1383.6		409.6		74.7		472.9		590.9		68.9		573.2		75.2	
Lower Angle	0.0		0.0		0.0		1.5		11.6		1.7		0.0		29.6		0.0		11.4	
Upper Angle	0.0		0.0		0.0		4.8		19.6		5.2		1.0		43.4		1.0		19.3	
Max Rad	2188.1		2189.0		1383.6		408.4		79.6		472.4		590.9		252.7		573.2		74.6	
Skywave Field	3.97		2.94		4.51		14.8		72.3		12.1		9.39		219.		9.39		70.5	
Limit	1.73859		1.28497		1.24742		1.20942		1.15055		1.14140		1.11011		1.10598		1.07692		1.05241	
Running RSS	1.7386		2.1619		2.4960 %		2.7736		3.0027		3.2123		3.3987		3.5742		3.7329		3.8784	

Limit from	WVMT	A	CFCY	S	WSNR	S	WPRO	A	WHEN	A	CFRP	S	JBC	T	ABS	T	HJEL	T	WDNC	S
IFRB Serial #											000120601		081000947		081000959		081003194			
Prefix/Freq	BL / 620		# 351/ 630		BMP / 620		BL / 630		BL / 620		# 278/ 620		# 260/ 620		# 240/ 620		# 254/ 620		BL / 620	
arn	881229AE		Operatin		040326LI		801215AH		990713DC		Proposal		Operatin		Operatin		Operatin		030131KI	
Distance (km)	352.1		463.0		618.5		396.8		622.8		424.3		3094.0		3145.3		4658.0		1301.0	
Bearing	83.1		252.1		42.0		30.3		69.4		176.8		13.4		349.5		8.3		38.2	
Radiation on Gnd	37.1		480.1		76.9		230.9		70.8		52.5		692.0		692.0		978.6		147.8	
Lower Angle	21.4		16.2		11.7		19.0		11.6		17.8		0.0		0.0		0.0		3.4	
Upper Angle	33.4		26.3		19.7		30.2		19.6		28.4		0.0		0.0		0.0		7.5	
Max Rad	34.8		492.8		66.7		357.6		69.2		39.6		692.0		692.0		978.6		147.2	
Skywave Field	151.		100.		73.2		136.		68.6		107.		6.06		5.95		3.57		22.4	
Limit	1.04921		0.98858		0.97681		0.97424		0.95043		0.84723		0.83887		0.82404		0.69860		0.65965	
Running RSS	4.0178 %		4.1376		4.2514		4.3616		4.4639		4.5436		4.6204		4.6933		4.7450		4.7907	

Limit from	HISD	T	T	RSL	T	HOQ 53	T
IFRB Serial #	081005010		093003133	081000960		081001091	
Prefix/Freq	# 255/ 620	# 241/ 620	# 261/ 620	# 263/ 620			
arn	Operatin	Proposal	Operatin	Operatin			
Distance (km)	2929.1	5127.3	3537.5	4246.3			
Bearing	1.8	354.3	349.4	15.7			
Radiation on Gnd	489.3	898.6	535.0	692.0			
Lower Angle	0.0	0.0	0.0	0.0			
Upper Angle	0.0	0.0	0.0	0.0			
Max Rad	489.3	898.6	535.0	692.0			
Skywave Field	6.72	3.23	4.96	3.83			
Limit	0.65786	0.58042	0.53060	0.52938			

Running RSS 4.8356 4.8703 4.8991 4.9277

RSS 10.0% Exclusion 5.2993

Nighttime limits to XEBX SABINAS CI MX N Lat 27 52 34 W Long 101 08 37 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Mexican (10%) IFRB Serial No.
 Comments: All radiations are in mV/m at 1 km

Limit from	XEGS	T	XEEL	T	KCSP	T	XEUF	T	XEGS	T	XECV	T	KILT	A	XEJA	T	KARV	S	XENVA	T
IFRB Serial #	# 190/ 610		# 195/ 610		BL / 610		# 188/ 610		# 191/ 610		# 192/ 610		BL / 610		# 194/ 610		BL / 610		# 193/ 610	
Prefix/Freq	arn	Proposal	Operatin				Operatin		Operatin		Operatin				Operatin		800122AD		Proposal	
Distance (km)	774.2		550.1		1374.0		945.0		773.5		690.9		601.0		1022.8		1118.9		865.7	
Bearing	68.7		18.1		207.9		5.6		69.0		342.2		249.2		336.1		224.7		85.1	
Radiation on Gnd	354.5		264.5		690.9		259.8		203.8		180.7		128.5		200.9		228.4		140.6	
Lower Angle	12.1		18.0		4.8		9.3		12.2		13.9		16.3		8.3		7.2		10.5	
Upper Angle	12.1		18.0		4.8		9.3		12.2		13.9		16.3		8.3		7.2		10.5	
Max Rad	344.0		248.7		687.3		255.4		197.2		173.2		123.6		197.4		226.8		137.6	
Skywave Field	89.1		117.		33.4		69.6		89.1		99.9		111.		61.5		52.7		78.8	
Limit	6.12607		5.81744		4.58752		3.55602		3.51648		3.46125		2.73911		2.43016		2.39149		2.16874	

Running RSS 6.1261 8.4482 9.6134

Limit from	KAVL	S	TGGA	T	WEZN	A	YSS	T	XEKZ	T	HRLP	T	WAGG	T	KNML	A	KNML	A	WIOD	A
IFRB Serial #			081000822				081001340				081001817									
Prefix/Freq	BL / 610		# 177/ 610		BL / 610		# 183/ 610		# 189/ 610		# 179/ 610		BL / 610		BP / 610		BL / 610		BL / 610	
arn	970612AA		Operatin				Operatin		Operatin		Operatin		4749		000629EY					
Distance (km)	1784.3		1831.7		1498.6		2089.0		1417.1		2104.0		1498.6		952.0		952.0		2091.3	
Bearing	110.5		325.3		249.2		321.6		335.6		319.1		249.2		145.2		145.2		280.9	
Radiation on Gnd	659.6		692.0		351.5		978.6		290.5		978.6		317.2		111.7		111.7		792.4	
Lower Angle	2.1		1.8		3.9		0.5		4.5		0.5		3.9		9.2		9.2		0.5	
Upper Angle	2.1		1.8		3.9		0.5		4.5		0.5		3.9		9.2		9.2		0.5	
Max Rad	659.1		691.5		351.1		978.5		289.2		978.5		317.0		110.5		110.4		792.4	
Skywave Field	14.9		13.7		26.3		9.16		30.8		8.98		26.3		68.9		68.9		9.13	
Limit	1.96552		1.89861		1.84844		1.79296		1.77853		1.75730		1.66880		1.52138		1.52110		1.44742	

Limit from	KEAR	T
IFRB Serial #		
Prefix/Freq	BL / 610	
arn	900730AE	
Distance (km)	2257.4	
Bearing	113.2	
Radiation on Gnd	630.6	
Lower Angle	0.0	
Upper Angle	0.0	
Max Rad	630.6	
Skywave Field	7.37	
Limit	0.93001	

Nighttime limits to XECV CD.VALLS SL MX N Lat 21 58 22 W Long 99 00 11 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Mexican (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KILT	A	XEEL	T	XEUF	T	TGGA	T	YSS	T	XEKZ	T	XEJA	T	HRLP	T	XEBX	T	XEGS	T
IFRB Serial #							081000822		081001340						081001817					
Prefix/Freq	BL / 610		# 195/ 610		# 188/ 610		# 177/ 610		# 183/ 610		# 189/ 610		# 194/ 610		# 179/ 610		# 187/ 610		# 190/ 610	
arn			Operatin		Operatin		Operatin		Operatin		Operatin		Operatin		Operatin		Operatin		Proposal	
Distance (km)	952.8		420.0		427.4		1204.6		1487.0		739.0		347.2		1522.3		690.9		1042.7	
Bearing	202.8		107.9		47.8		314.0		310.4		328.2		322.2		307.0		161.3		110.3	
Radiation on Gnd	1404.9		264.5		259.8		692.0		978.6		290.5		200.9		978.6		218.8		354.5	
Lower Angle	9.2		23.6		23.2		6.3		4.0		12.9		28.1		3.7		13.9		8.1	
Upper Angle	9.2		23.6		23.2		6.3		4.0		12.9		28.1		3.7		13.9		8.1	
Max Rad	1355.4		237.8		233.6		685.9		975.1		279.9		164.5		975.6		209.5		349.7	
Skywave Field	68.8		138.		137.		45.4		26.9		93.5		156.		25.1		99.9		59.6	
Limit	18.64257		6.58179		6.39098		6.22616		5.24760		5.23291		5.13499		4.90525		4.18636		4.16847	

Running RSS 18.6426

Limit from	XEGS	T	HRLP 4	T	WIOD	A	TIRPT	T
IFRB Serial #			081001816				081001968	
Prefix/Freq	# 191/ 610		# 178/ 610		BL / 610		# 174/ 610	
arn	Operatin		Proposal				Operatin	
Distance (km)	1044.9		1343.9		1961.6		2079.2	
Bearing	110.5		308.1		261.3		311.8	
Radiation on Gnd	203.8		309.5		875.3		978.6	
Lower Angle	8.0		5.1		1.2		0.6	
Upper Angle	8.0		5.1		1.2		0.6	
Max Rad	201.0		307.7		875.0		978.5	
Skywave Field	59.4		35.3		11.0		9.29	
Limit	2.38663		2.17358		1.92774		1.81719	

Nighttime limits to XEEL FRESNILLO ZA MX N Lat 23 10 58 W Long 102 52 46 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Mexican (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KILT	A	XEGS	T	XEUF	T	XEBX	T	XECV	T	XEGS	T	XEJA	T	XEKZ	T	TGGA	T	YSS	T
IFRB Serial #																	081000822		081001340	
Prefix/Freq	BL / 610		# 190/ 610		# 188/ 610		# 187/ 610		# 192/ 610		# 191/ 610		# 194/ 610		# 189/ 610		# 177/ 610		# 183/ 610	
arn			Proposal		Operatin		Operatin		Operatin		Operatin		Operatin		Operatin		Operatin		Operatin	
Distance (km)	1053.1		625.1		426.7		550.1		420.0		627.5		737.8		1102.0		1601.9		1891.6	
Bearing	226.4		113.5		348.9		198.8		289.4		113.9		304.6		314.7		308.3		306.5	
Radiation on Gnd	808.3		354.5		259.8		218.8		180.7		203.8		200.9		290.5		692.0		978.6	
Lower Angle	7.9		15.6		23.2		18.0		23.6		15.6		12.9		7.4		3.2		1.5	
Upper Angle	7.9		15.6		23.2		18.0		23.6		15.6		12.9		7.4		3.2		1.5	
Max Rad	782.7		337.1		233.6		203.3		159.9		193.2		192.6		287.0		690.4		978.1	
Skywave Field	58.6		108.		137.		117.		138.		108.		93.7		54.4		21.3		12.4	
Limit	9.17742		7.27073		6.39810		4.75599		4.42514		4.15480		3.60799		3.12173		2.94700		2.42563	
Running RSS	9.1774		11.7085		13.3426															

Limit from	HRLP	T	XENVA	T	KAVL	S	KNML	A	KNML	A	KCSP	T	WIOD	A
IFRB Serial #	081001817													
Prefix/Freq	# 179/ 610		# 193/ 610		BL / 610		BL / 610		BP / 610		BL / 610		BL / 610	
arn	Operatin		Proposal		970612AA				000629EY					
Distance (km)	1932.7		854.9		1959.3		1367.4		1367.5		1922.3		2314.8	
Bearing	303.9		122.5		126.8		163.5		163.5		206.4		267.5	
Radiation on Gnd	978.6		140.6		841.8		270.4		269.1		690.9		859.0	
Lower Angle	1.3		10.7		1.2		4.9		4.9		1.4		0.0	
Upper Angle	1.3		10.7		1.2		4.9		4.9		1.4		0.0	
Max Rad	978.2		137.5		841.6		273.0		271.6		690.6		859.0	
Skywave Field	11.6		80.1		11.1		33.8		33.8		11.8		6.88	
Limit	2.26205		2.20354		1.86092		1.84497		1.83574		1.62560		1.18248	

Nighttime limits to XEGS GUASAVE SI MX N Lat 25 32 02 W Long 108 29 12 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Proposal 610 kHz Mexican (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from IFRB Serial #	KNML A	KNML A	KAVL S	XEEL T	XENVA T	XEBX T	XEUF T	XECV T
Prefix/Freq arn	BL / 610	BP / 610	BL / 610	# 195/ 610	# 193/ 610	# 187/ 610	# 188/ 610	# 192/ 610
Distance (km)	1070.4	1070.5	1379.9	625.1	260.8	774.2	946.3	1042.7
Bearing	189.9	189.9	135.0	295.9	146.3	252.0	317.1	294.2
Radiation on Gnd	1374.9	1367.1	921.1	264.5	140.6	218.8	259.8	180.7
Lower Angle	7.7	7.7	4.8	15.6	35.7	12.1	9.3	8.1
Upper Angle	7.7	7.7	4.8	15.6	35.7	12.1	9.3	8.1
Max Rad	1357.9	1350.3	916.2	252.6	108.7	211.7	255.4	178.1
Skywave Field	57.1	57.1	33.0	108.	189.	89.1	69.5	59.6
Limit	15.50973	15.42048	6.04809	5.44759	4.10818	3.77068	3.54916	2.12260
Running RSS	15.5097	21.8710						

Nighttime limits to XEJA JALAPA VC MX N Lat 19 31 08 W Long 96 56 15 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Mexican (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KILT	A	TGGA	T	YSS	T	HRLP	T	XEKZ	T	XEUF	T	XEEL	T	XECV	T	HRLP 4	T	TIRPT	T
IFRB Serial #			081000822		081001340		081001817										081001816		081001968	
Prefix/Freq	BL / 610	# 177/ 610	# 183/ 610	# 179/ 610	# 189/ 610	# 188/ 610	# 195/ 610	# 192/ 610	# 178/ 610	# 174/ 610										
arn		Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin							Proposal	Operatin		
Distance (km)	1166.1	864.9	1153.9	1197.1	394.8	538.6	737.8	347.2	1015.9	1743.9										
Bearing	187.9	309.9	306.1	301.7	333.1	88.0	122.4	141.4	302.5	309.1										
Radiation on Gnd	1572.4	692.0	978.6	978.6	290.5	259.8	264.5	180.7	309.5	978.6										
Lower Angle	6.7	10.5	6.8	6.4	25.0	18.4	12.9	28.1	8.4	2.3										
Upper Angle	6.7	10.5	6.8	6.4	25.0	18.4	12.9	28.1	8.4	2.3										
Max Rad	1545.0	675.1	968.5	969.6	252.5	243.0	256.3	151.9	304.7	977.4										
Skywave Field	48.4	78.9	49.4	46.0	144.	119.	93.7	156.	62.2	16.0										
Limit	14.96777	10.65518	9.57843	8.91548	7.26753	5.76192	4.80083	4.74015	3.79192	3.13503										
Running RSS	14.9678	18.3730	20.7199																	

Limit from	XEBX	T	XEGS	T	WIOD	A	HCMJ1	T
IFRB Serial #							081003628	
Prefix/Freq	# 187/ 610	# 190/ 610	BL / 610	# 176/ 610				
arn	Operatin	Proposal		Operatin				
Distance (km)	1022.8	1360.6	1857.8	2971.3				
Bearing	154.4	117.1	251.2	318.5				
Radiation on Gnd	218.8	354.5	894.4	2189.1				
Lower Angle	8.3	4.9	1.7	0.0				
Upper Angle	8.3	4.9	1.7	0.0				
Max Rad	215.5	352.7	893.9	2189.1				
Skywave Field	61.5	34.2	13.1	3.66				
Limit	2.65190	2.41488	2.34687	1.60181				

Nighttime limits to XEKZ SANTO DOMINGO TEHUAN OA MX N Lat 16 21 36 W Long 95 13 54 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Mexican (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	YSS T	TGGA T	HRLP T	KILT A	TIRPT T	HRLP 4 T	XEJA T	XEUF T	XECV T	XEEL T
IFRB Serial #	081001340	081000822	081001817		081001968	081001816				
Prefix/Freq	# 183/ 610	# 177/ 610	# 179/ 610	BL / 610	# 174/ 610	# 178/ 610	# 194/ 610	# 188/ 610	# 192/ 610	# 195/ 610
arn	Operatin	Operatin	Operatin		Operatin	Proposal	Operatin	Operatin	Operatin	Operatin
Distance (km)	830.7	531.1	895.1	1507.5	1402.5	714.7	394.8	799.8	739.0	1102.0
Bearing	292.7	292.0	287.6	179.2	301.7	285.2	152.5	114.1	147.0	132.1
Radiation on Gnd	978.6	692.0	978.6	1607.0	978.6	309.5	200.9	259.8	180.7	264.5
Lower Angle	11.1	18.6	10.1	3.8	4.6	13.4	25.0	11.7	12.9	7.4
Upper Angle	11.1	18.6	10.1	3.8	4.6	13.4	25.0	11.7	12.9	7.4
Max Rad	952.0	640.4	956.5	1598.2	973.9	297.3	171.5	252.9	174.2	261.8
Skywave Field	82.7	120.	75.3	25.9	31.6	96.8	144.	86.0	93.5	54.4
Limit	15.75231	15.32043	14.40481	8.26971	6.16014	5.75575	4.93795	4.35079	3.25726	2.84790
Running RSS	15.7523	21.9739	26.2745							

Limit from	HOHM T
IFRB Serial #	081001090
Prefix/Freq	# 181/ 610
arn	Operatin
Distance (km)	1889.7
Bearing	297.2
Radiation on Gnd	978.6
Lower Angle	1.5
Upper Angle	1.5
Max Rad	978.1
Skywave Field	12.4
Limit	2.43347

Nighttime limits to XEUF URUAPAN MC MX N Lat 19 25 08 W Long 102 04 30 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Mexican (10%) IFRB Serial No.
Comments: All radiations are in mV/m at 1 km

Limit from	KILT	A	XEEL	T	TGGA	T	XEKZ	T	XEGS	T	XECV	T	XEJA	T	YSS	T	HRLP	T	XEBX	T
IFRB Serial #					081000822										081001340		081001817			
Prefix/Freq	BL / 610		# 195/ 610		# 177/ 610		# 189/ 610		# 190/ 610		# 192/ 610		# 194/ 610		# 183/ 610		# 179/ 610		# 187/ 610	
arn			Operatin		Operatin		Operatin		Proposal		Operatin		Operatin		Operatin		Operatin		Operatin	
Distance (km)	1346.0		426.7		1329.4		799.8		946.3		427.4		538.6		1628.8		1687.4		945.0	
Bearing	211.4		168.6		295.3		296.2		134.6		228.9		269.7		295.3		292.7		186.0	
Radiation on Gnd	1237.3		264.5		692.0		290.5		354.5		180.7		200.9		978.6		978.6		218.8	
Lower Angle	5.1		23.2		5.2		11.7		9.3		23.2		18.4		3.0		2.7		9.3	
Upper Angle	5.1		23.2		5.2		11.7		9.3		23.2		18.4		3.0		2.7		9.3	
Max Rad	1222.9		238.7		687.8		281.7		348.2		160.6		184.4		976.6		977.0		214.6	
Skywave Field	35.2		137.		36.3		86.0		69.5		137.		119.		20.2		17.9		69.6	
Limit	8.60563		6.53873		4.99015		4.84702		4.83919		4.39351		4.37238		3.94074		3.49700		2.98795	
Running RSS	8.6056		10.8080																	

Limit from	XEGS	T	HRLP 4	T	TIRPT	T	XENVA	T	KAVL	S	HCMJ1	T	WIOD	A	YVSE	T
IFRB Serial #			081001816		081001968						081003628				081001517	
Prefix/Freq	# 191/ 610		# 178/ 610		# 174/ 610		# 193/ 610		BL / 610		# 176/ 610		BL / 610		# 186/ 610	
arn	Operatin		Proposal		Operatin		Proposal		970612AA		Operatin				Operatin	
Distance (km)	949.8		1505.2		2201.6		1202.3		2323.7		3368.3		2356.6		3675.5	
Bearing	134.8		292.0		300.6		136.6		132.8		311.6		256.8		290.2	
Radiation on Gnd	203.8		309.5		978.6		140.6		901.2		2189.1		883.8		2188.1	
Lower Angle	9.3		3.9		0.0		6.3		0.0		0.0		0.0		0.0	
Upper Angle	9.3		3.9		0.0		6.3		0.0		0.0		0.0		0.0	
Max Rad	200.0		308.4		978.6		139.5		901.2		2189.1		883.8		2188.1	
Skywave Field	69.1		26.0		7.93		45.6		6.83		2.74		6.63		2.24	
Limit	2.76348		1.60326		1.55267		1.27137		1.23059		1.19818		1.17175		0.97847	

Nighttime limits to YSS MORAZAN ES N Lat 13 35 00 W Long 88 03 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081001340
 Comments: All radiations are in mV/m at 1 km

This is a class A station so its skywave service area must be protected.

It is not protected on an RSS basis at its antenna site.

Nonetheless, we will do the RSS study at its site.

Limit from	HRLP T	TIRPT T	TGGA T	HOHM T	HRLP 4 T	HCMJ1 T	XEKZ T	HJKL T	WIOD A	YVSE T
IFRB Serial #	081001817	081001968	081000822	081001090	081001816	081003628		081003193		081001517
Prefix/Freq	# 179/ 610	# 174/ 610	# 177/ 610	# 181/ 610	# 178/ 610	# 176/ 610	# 189/ 610	# 173/ 610	BL / 610	# 186/ 610
arn	Operatin	Operatin	Operatin	Operatin	Proposal	Operatin	Operatin	Operatin		Operatin
Distance (km)	103.3	592.5	299.7	1060.7	152.6	1855.6	830.7	1829.9	1593.4	2086.6
Bearing	238.7	313.4	112.2	299.4	149.5	325.8	110.9	304.0	212.6	282.5
Radiation on Gnd	978.6	978.6	692.0	978.6	309.5	2189.1	290.5	1694.9	947.2	2188.1
Lower Angle	61.4	16.6	31.9	7.8	51.1	1.7	11.1	1.8	3.3	0.5
Upper Angle	61.4	16.6	31.9	7.8	51.1	1.7	11.1	1.8	3.3	0.5
Max Rad	389.4	920.0	550.0	965.3	168.2	2187.6	282.6	1693.8	945.1	2188.0
Skywave Field	174.	44.7	68.9	23.2	116.	5.27	33.1	5.51	8.69	3.68
Limit	13.56994	8.22754	7.57708	4.47550	3.89412	2.30567	1.87045	1.86576	1.64281	1.60892

Running RSS 13.5699 15.8693

Limit from	KILT A
IFRB Serial #	
Prefix/Freq	BL / 610
arn	
Distance (km)	1967.8
Bearing	155.8
Radiation on Gnd	1536.7
Lower Angle	1.1
Upper Angle	1.1
Max Rad	1535.9
Skywave Field	4.36
Limit	1.33996

Nighttime limits to YVSE BARQUISIMETO VE N Lat 10 06 00 W Long 69 12 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081001517
 Comments: All radiations are in mV/m at 1 km

This is a class A station so its skywave service area must be protected.

It is not protected on an RSS basis at its antenna site.

Nonetheless, we will do the RSS study at its site.

Limit from	T	HJKL	T	HCMJ1	T	HOHM	T	TIRPT	T
IFRB Serial #	081001714	081003193	081003628	081001090	081001968				
Prefix/Freq	# 184/ 610	# 173/ 610	# 176/ 610	# 181/ 610	# 174/ 610				
arn	Operatin	Operatin	Operatin	Operatin	Operatin				
Distance (km)	854.4	813.4	1536.6	1136.0	1627.6				
Bearing	267.6	41.0	41.8	83.1	88.1				
Radiation on Gnd	2188.1	1694.9	2189.1	978.6	978.6				
Lower Angle	10.7	11.4	3.6	7.0	3.0				
Upper Angle	10.7	11.4	3.6	7.0	3.0				
Max Rad	2132.8	1650.2	2182.7	967.9	976.6				
Skywave Field	32.1	33.8	9.78	20.4	8.09				
Limit	13.68351	11.16285	4.26996	3.95511	1.58016				

Running RSS 13.6835 17.6592

Nighttime limits to ZP 30 FILADELPHIA PA S Lat 22 20 00 W Long 60 03 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081001762
Comments: All radiations are in mV/m at 1 km

This is a class A station so its skywave service area must be protected.

It is not protected on an RSS basis at its antenna site.

Nonetheless, we will do the RSS study at its site.

Limit from	CX4	T	CP 63	T	ZYI425	T	ZYL-268	S
IFRB Serial #	081001413		081000374		081010450		081010066	
Prefix/Freq	# 185/ 610		# 172/ 610		# 169/ 610		# 167/ 610	
arn	Operatin		Operatin		Operatin		Operatin	
Distance (km)	1429.1		1066.8		1259.5		1695.6	
Bearing	344.0		128.7		201.7		258.3	
Radiation on Gnd	2188.1		818.8		688.0		1127.0	
Lower Angle	4.4		7.8		5.8		2.6	
Upper Angle	4.4		7.8		5.8		2.6	
Max Rad	2178.7		807.7		683.0		1125.7	
Skywave Field	12.0		23.0		16.5		7.04	
Limit	5.23776		3.71042		2.25272		1.58551	
Running RSS	5.2378		6.4188					

Nighttime limits to ZYH249 MAL DEODORO BR S Lat 9 44 00 W Long 35 54 00 Date 30-MAY-06 RMB&A LIM Page 1
 File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081030194
 Comments: All radiations are in mV/m at 1 km

Limit from	ZYL-268 S	ZYI-899 T	ZYI-678 T	ZYH786 S
IFRB Serial #	081010066	081010070	081010069	081011504
Prefix/Freq	# 167/ 610	# 171/ 610	# 170/ 610	# 165/ 610
arn	Operatin	Operatin	Operatin	Operatin
Distance (km)	1425.6	921.1	418.0	1491.5
Bearing	38.1	124.5	142.3	62.3
Radiation on Gnd	2241.3	309.5	154.7	582.1
Lower Angle	4.4	9.7	23.7	4.0
Upper Angle	4.4	9.7	23.7	4.0
Max Rad	2230.3	303.2	139.3	579.6
Skywave Field	12.1	28.9	55.5	10.7
Limit	5.39878	1.75337	1.54691	1.23712

Running RSS 5.3988

Nighttime limits to ZYH786 LUZIANIA

File No./arn -Operatin 610 kHz Region 2

(50%) IFRB Serial No. 081011504

BR S Lat 16 16 00 W Long 47 56 00 Date 30-MAY-06 RMB&A LIM Page 1

Comments: All radiations are in mV/m at 1 km

Limit from	ZYL-268 S	ZYI425 T	ZYI544 T
IFRB Serial #	081010066	081010450	081031121
Prefix/Freq	# 167/ 610	# 169/ 610	# 168/ 610
arn	Operatin	Operatin	Operatin
Distance (km)	594.8	956.8	943.4
Bearing	313.4	121.8	166.2
Radiation on Gnd	2138.4	688.0	278.8
Lower Angle	16.5	9.2	9.3
Upper Angle	16.5	9.2	9.3
Max Rad	1996.5	675.4	274.0
Skywave Field	44.6	27.3	27.9
Limit	17.81120	3.69252	1.52986

Running RSS 17.8112

Nighttime limits to ZYI-678 SOUZA BR S Lat 6 46 00 W Long 38 14 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081010069
Comments: All radiations are in mV/m at 1 km

Limit from	ZYL-268 S	ZYH249 T	ZYI-899 T	ZYH786 S	ZYI544 T
IFRB Serial #	081010066	081030194	081010070	081011504	081031121
Prefix/Freq	# 167/ 610	# 166/ 610	# 171/ 610	# 165/ 610	# 168/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	1590.8	418.0	540.3	1493.1	1308.5
Bearing	23.3	321.9	110.5	46.1	84.6
Radiation on Gnd	2370.7	398.0	309.5	644.0	278.8
Lower Angle	3.3	23.7	18.3	3.9	5.4
Upper Angle	3.3	23.7	18.3	3.9	5.4
Max Rad	2364.1	351.9	287.6	641.3	277.2
Skywave Field	8.74	55.5	47.3	10.6	15.1
Limit	4.13170	3.90746	2.72233	1.36458	0.83595
Running RSS	4.1317	5.6868			

Nighttime limits to ZYI-899 TERESINA BR S Lat 5 05 00 W Long 42 49 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081010070
Comments: All radiations are in mV/m at 1 km

Limit from	ZYL-268 S	ZYH249 T	ZYH786 S	ZYI544 T	ZYI-678 T	ZYI425 T	T	T
IFRB Serial #	081010066	081030194	081011504	081031121	081010069	081010450	081031126	081001714
Prefix/Freq	# 167/ 610	# 166/ 610	# 165/ 610	# 168/ 610	# 170/ 610	# 169/ 610	# 164/ 610	# 184/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Proposal	Operatin
Distance (km)	1660.6	921.1	1362.8	861.8	540.3	1588.7	1935.9	2690.9
Bearing	4.1	303.6	24.7	68.1	290.0	62.8	96.5	129.3
Radiation on Gnd	2445.7	398.0	683.6	278.8	154.7	688.0	895.0	2188.1
Lower Angle	2.8	9.7	4.9	10.6	18.3	3.3	1.3	0.0
Upper Angle	2.8	9.7	4.9	10.6	18.3	3.3	1.3	0.0
Max Rad	2440.8	389.9	679.1	272.5	145.4	686.4	894.7	2188.1
Skywave Field	7.56	28.9	13.6	31.7	47.3	8.78	4.60	1.87
Limit	3.68890	2.25475	1.85177	1.72858	1.37598	1.20488	0.82292	0.81652
Running RSS	3.6889	4.3234						

Nighttime limits to ZYI425 SINOP BR S Lat 11 51 00 W Long 55 33 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081010450
Comments: All radiations are in mV/m at 1 km

Limit from	T	ZYL-268 S	ZYH786 S	ZYI544 T	CP 63 T	ZP 30 T	CX4 T	T
IFRB Serial #	081031126	081010066	081011504	081031121	081000374	081001762	081001413	081001714
Prefix/Freq	# 164/ 610	# 167/ 610	# 165/ 610	# 168/ 610	# 172/ 610	# 182/ 610	# 185/ 610	# 184/ 610
arn	Proposal	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	1080.5	1539.5	956.8	738.2	1451.0	1259.5	2547.0	2569.3
Bearing	152.1	304.2	299.9	234.5	70.8	23.0	1.8	165.3
Radiation on Gnd	895.0	2007.3	388.4	278.8	818.8	309.5	2188.1	2188.1
Lower Angle	7.6	3.6	9.2	12.9	4.2	5.8	0.0	0.0
Upper Angle	7.6	3.6	9.2	12.9	4.2	5.8	0.0	0.0
Max Rad	883.8	2000.9	380.6	269.6	815.6	307.3	2188.1	2188.1
Skywave Field	22.5	9.73	27.3	37.4	11.5	16.5	2.15	2.10
Limit	3.97635	3.89242	2.08102	2.01856	1.88030	1.01352	0.94038	0.91813
Running RSS	3.9763	5.5644						

Nighttime limits to ZYI544 REDENCAO BR S Lat 8 02 00 W Long 50 02 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081031121
Comments: All radiations are in mV/m at 1 km

Limit from	ZYL-268 S	ZYI425 T	ZYH786 S	T	ZYI-899 T	T
IFRB Serial #	081010066	081010450	081011504	081031126	081010070	081001714
Prefix/Freq	# 167/ 610	# 169/ 610	# 165/ 610	# 164/ 610	# 171/ 610	# 184/ 610
arn	Operatin	Operatin	Operatin	Proposal	Operatin	Operatin
Distance (km)	1484.4	738.2	943.4	1240.6	861.8	2415.7
Bearing	332.7	55.4	345.8	115.6	247.3	148.2
Radiation on Gnd	2341.5	688.0	637.4	895.0	309.5	2188.1
Lower Angle	4.0	12.9	9.3	6.0	10.6	0.0
Upper Angle	4.0	12.9	9.3	6.0	10.6	0.0
Max Rad	2331.9	663.4	622.4	888.0	302.0	2188.1
Skywave Field	10.8	37.4	27.9	17.1	31.7	2.50
Limit	5.04492	4.96755	3.47558	3.02879	1.91538	1.09496

Running RSS 5.0449 7.0801

Nighttime limits to ZYK-577 CATANDUVA BR S Lat 21 07 00 W Long 48 57 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081010064
Comments: All radiations are in mV/m at 1 km

Limit from	ZYL-268 S	CX4 T	ZYI425 T	ZYH786 S	ZYK-589 T	ZP 30 T
IFRB Serial #	081010066	081001413	081010450	081011504	081010065	081001762
Prefix/Freq	# 167/ 610	# 185/ 610	# 169/ 610	# 165/ 610	# 163/ 610	# 182/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	542.3	1675.4	1247.1	549.7	430.4	1154.1
Bearing	255.7	27.1	146.6	191.1	295.3	85.4
Radiation on Gnd	1074.9	2188.1	688.0	233.7	154.7	309.5
Lower Angle	18.2	2.7	5.9	18.0	23.0	6.8
Upper Angle	18.2	2.7	5.9	18.0	23.0	6.8
Max Rad	1019.2	2184.6	682.8	200.1	140.9	306.4
Skywave Field	47.2	7.33	16.9	46.8	54.5	19.8
Limit	9.62380	3.20453	2.30317	1.87231	1.53534	1.21179

Running RSS 9.6238

Nighttime limits to ZYK-589 GUARATINGUET BR S Lat 22 49 00 W Long 45 12 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081010065
Comments: All radiations are in mV/m at 1 km

Limit from	ZYL-268 S	CX4 T	ZYK-577 T	ZYI425 T	ZYH786 S
IFRB Serial #	081010066	081001413	081010064	081010450	081011504
Prefix/Freq	# 167/ 610	# 185/ 610	# 162/ 610	# 169/ 610	# 165/ 610
arn	Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	343.2	1706.1	430.4	1639.6	782.4
Bearing	203.2	41.9	116.7	139.4	159.0
Radiation on Gnd	422.0	2188.1	154.7	688.0	154.0
Lower Angle	28.4	2.6	23.0	3.0	12.0
Upper Angle	28.4	2.6	23.0	3.0	12.0
Max Rad	408.8	2184.8	140.2	686.6	144.0
Skywave Field	62.9	6.90	54.5	7.89	35.2
Limit	5.14519	3.01441	1.52717	1.08354	1.01486
Running RSS	5.1452	5.9632			

Nighttime limits to ZYL-268 NOVA LIMA 2 BR S Lat 19 59 00 W Long 43 53 00 Date 30-MAY-06 RMB&A LIM Page 1
File No./arn -Operatin 610 kHz Region 2 (50%) IFRB Serial No. 081010066
Comments: All radiations are in mV/m at 1 km

Limit from	CX4	T	ZYK-589 T	ZYK-577 T	ZYI425 T	ZYH786 S	ZYH249 T
IFRB Serial #	081001413		081010065	081010064	081010450	081011504	081030194
Prefix/Freq	# 185/ 610		# 163/ 610	# 162/ 610	# 169/ 610	# 165/ 610	# 166/ 610
arn	Operatin		Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	2042.1		343.2	542.3	1539.5	594.8	1425.6
Bearing	39.7		23.6	77.5	127.4	134.6	216.0
Radiation on Gnd	2188.1		154.7	154.7	688.0	121.5	398.0
Lower Angle	0.8		28.4	18.2	3.6	16.5	4.4
Upper Angle	0.8		28.4	18.2	3.6	16.5	4.4
Max Rad	2187.8		134.0	145.5	686.0	118.8	396.3
Skywave Field	3.91		62.9	47.2	9.73	44.6	12.1
Limit	1.71001		1.68636	1.37366	1.33458	1.05989	0.95935
Running RSS	1.7100		2.4017	2.7667			

CCCCC	L	AAA	SSSSS	SSSSS	IIIII		CCCCC	L	AAA	SSSSS	SSSSS	AAA						
C	C	L	A	A	S	S	S	S	I			A	A					
C		L	A	A	S		S		I			A	A					
C		L	AAAAAAA	SSSSS	SSSSS		I	-----	C		L	AAAAAAA	SSSSS	SSSSS	AAAAAAA			
C		L	A	A		S	S		I			A	A		A			
C	C	L	A	A	S	S	S	S	I			A	A	S	S	S	A	A
CCCCC	LLLLLLL	A	A	SSSSS	SSSSS		IIIII		CCCCC	LLLLLLL	A	A	SSSSS	SSSSS		A	A	

Stations on 610 kHz and 1st adjacent channels will be listed.

There are no Class I stations and no Class A stations on 600 kHz.

There are 7 Class I and/or Class A stations on 610 kHz. The skywave service areas must be protected. Nonetheless, we will do the RSS at the antenna site to give you a feel for the situation

	Freq	Call	File Number	Station Location	Domestic Class	Region 2 Class
1.	610	HJKL	Operatin	BOGOTA 3	CO	A
2.	610	HCMJ1	Operatin	QUITO 2	EC	A
3.	610	TGGA	Operatin	SENOIAL	GT	A
4.	610	ZP 30	Operatin	FILADELFIA	PA	A
5.	610	YSS	Operatin	MORAZAN	ES	A
6.	610	CX4	Operatin	MONTEVIDEO	UY	A
7.	610	YVSE	Operatin	BARQUISIMETO	VE	A

There are no Class I stations and no Class A stations on 620 kHz.

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Nighttime Limits From WVBE-P ROANOKE VA N Lat 37 18 11 W Long 80 02 33 Date 05302006 RMB&A Page 1

File No./ARN - IFRB Serial No. 610 kHz Standard Pattern

Comments: All radiations are in mV/m at 1 km PROP. NIGHT

Limit to	CKTB	C	WFNZ	0	WFNZ	0	WTFX	0	WAGG	0	WEZN	0	WTVN	0	WDNC	0	WEXS	0	WIP	0
Station Class	D:	/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	
Prefix/Freq	#	206/ 610	BP / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	BL / 610	
arn	Operatin		050113AD	14470				4749				791010AJ	030131KI	930712AA	861110AE					
Distance (km)		641.8	235.2	235.6	264.0	749.8	749.8	383.0	170.8	2543.9	514.4									
Mid-Point Lat		40.2	36.3	36.3	38.3	35.4	35.4	38.6	36.7	27.8	38.6									
Bearing		6.4	199.1	199.2	36.5	237.7	237.7	319.2	145.4	143.7	54.9									
Radiation on Gnd		1551.1	950.0	949.1	1353.7	847.8	847.8	1299.7	819.0	809.2	1088.8									
Lower Angle		15.2	30.9	30.9	28.0	9.2	9.2	19.7	39.7	0.0	14.5									
Upper Angle		15.2	44.9	44.9	41.5	16.0	16.0	31.1	54.1	0.0	23.8									
Max Rad		160.5	55.6	55.6	54.1	184.5	184.5	73.3	311.0	946.8	59.2									
Skywave Field		106.	264.	264.	236.	67.8	67.8	160.	329.	10.0	109.									
Limit		3.41390	2.93900	2.93358	2.55801	2.50167	2.50167	2.34021	2.04760	1.89923	1.29426									

Limit to	HIJR	N	CFLO	C	CFLO	C	CFLO	C	WIOD	0	KILT	0	KCSP	0	KARV	0	WRJZ	0	WSNG	0
Station Class	D: /R2:C		D: /R2:B		D: /R2:B		D: /R2:C		D:00/R2:B		D:00/R2:B		D:00/R2:B		D:00/R2:B		D:00/R2:B		D:00/R2:B	
Prefix/Freq	# 175/ 610		# 198/ 610		# 196/ 610		# 197/ 610		BL / 610		BL / 610		BL / 610		BL / 610		BL / 620		BL / 610	
arn	Operatin		Proposal		Proposal		Operatin								800122AD		791210AE			
Distance (km)	2194.1		1094.1		1094.9		1094.9		1273.5		1641.0		1287.6		1194.6		368.6		777.1	
Mid-Point Lat	28.4		41.9		41.9		41.9		31.6		33.8		38.4		36.5		36.7		39.6	
Bearing	152.8		18.6		18.8		18.8		180.5		244.5		282.8		263.2		247.8		48.3	
Radiation on Gnd	876.8		1506.7		1505.6		1505.6		1040.9		891.3		839.0		905.1		907.7		1193.3	
Lower Angle	0.0		7.5		7.5		7.5		3.6		1.3		3.5		4.2		20.5		8.7	
Upper Angle	0.8		7.5		7.5		7.5		7.8		4.6		7.6		8.6		32.1		15.3	
Max Rad	757.3		87.1		85.8		85.8		131.5		195.3		125.3		100.8		177.8		49.3	
Skywave Field	8.16		55.4		55.3		55.3		31.3		19.5		26.0		31.5		171.		57.8	
Limit	1.23595		0.96478		0.94837		0.94837		0.82168		0.76001		0.65092		0.63582		0.60650		0.56932	

Limit to	WKHB 0	WGIR 0	4VJS R	KDAL 0	WSJS 0	XEBX M	CHNC C	CHNC C	WTMT 0	WAEI 0
Station Class	D:00/R2:B	D:00/R2:B	D: /R2:C	D:00/R2:B	D:00/R2:B	D: /R2:B	D: /R2:B	D: /R2:B	D:00/R2:B	D:00/R2:B
Prefix/Freq	BP / 620	BL / 610	# 180/ 610	BL / 610	BL / 600	# 187/ 610	# 207/ 610	# 208/ 610	BL / 620	BL / 600
arn	010820AB	810805AD	Operatin	980420KB		Operatin	Operatin	Proposal	870529AF	
Distance (km)	333.3	964.9	2216.6	1446.2	134.9	2230.0	1692.4	1692.4	509.7	2469.2
Mid-Point Lat	38.8	40.2	28.0	42.2	36.7	33.0	42.9	42.9	37.8	27.9
Bearing	5.0	46.2	158.1	320.2	192.1	248.1	40.6	40.6	284.5	145.9
Radiation on Gnd	1553.4	1224.6	924.6	1313.0	1001.9	908.9	1303.1	1303.1	844.2	822.7
Lower Angle	22.6	6.3	0.0	2.4	46.6	0.0	2.6	2.6	14.6	0.0
Upper Angle	34.9	11.7	0.0	6.1	60.3	0.0	2.6	2.6	24.0	0.0
Max Rad	152.2	56.0	632.6	105.4	40.9	187.8	68.1	68.1	95.0	903.3
Skywave Field	186.	39.2	3.11	17.1	370.	7.64	17.8	17.8	113.	10.6
Limit	0.56683	0.43938	0.39369	0.35992	0.30274	0.28709	0.24242	0.24242	0.21423	0.19117

Limit to	KNML 0	KNML 0	XENVA M	KONA 0	CHNL C	KRTA 0	CKXJ C	CKXJ C	CHTM C	KEAR 0
Station Class	D:00/R2:B	D:00/R2:B	D: /R2:B	D:00/R2:B	D: /R2:B	D:00/R2:B	D: /R2:B	D: /R2:B	D: /R2:B	D:00/R2:B
Prefix/Freq	BP / 610	BL / 610	# 193/ 610	BL / 610	# 200/ 610	BL / 610	# 204/ 610	# 205/ 610	# 203/ 610	BL / 610
arn	000629EY		Proposal		Operatin	841018AF	Operatin	Proposal	Operatin	900730AE
Distance (km)	2394.6	2394.7	2994.2	3346.8	3489.2	3651.8	2262.0	2262.0	2443.5	3691.2
Mid-Point Lat	36.9	36.9	33.3	43.4	45.8	41.9	42.8	42.8	46.8	39.5
Bearing	272.0	272.0	257.4	299.6	308.2	292.5	53.6	53.6	332.5	284.2
Radiation on Gnd	860.5	860.6	921.9	1002.0	1137.0	906.1	1109.7	1109.7	1444.7	842.9
Lower Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Upper Angle	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Rad	61.7	61.7	139.1	194.5	178.5	180.8	58.2	58.2	68.7	137.1
Skywave Field	8.55	8.55	3.59	2.51	2.53	2.44	7.37	7.37	6.08	2.92
Limit	0.10557	0.10556	0.09993	0.09772	0.09031	0.08810	0.08567	0.08567	0.08346	0.08017

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Nighttime Limits From WVBE-P ROANOKE

VA N Lat 37 18 11 W Long 80 02 33 Date 05302006 RMB&A Page 3

File No./ARN - IFRB Serial No.

610 kHz

Standard Pattern

Comments: All radiations are in mV/m at 1 km

PROP. NIGHT

Limit to	KTBB 0	R	WSNR 0	WSNR 0	WSNR 0	ZYI-899 R	KMNS 0	KMNS 0	KAVL 0	HJKL R
Station Class	D:00/R2:B	D: /R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D: /R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D: /R2:A
Prefix/Freq	BL / 600	# 164/ 610	BMP / 620	BL / 620	BMP / 620	# 171/ 610	BP / 620	BL / 620	BL / 610	# 173/ 610
arn	830705AH	Proposal	011203AM	980427KB	040326LI	Operatin	060314CF	850709AC	970612AA	Operatin
Distance (km)	1491.1	4957.1	630.3	642.9	648.6	6086.8	1506.6	1506.7	3418.8	3686.4
Mid-Point Lat	35.0	17.3	39.1	39.1	39.1	16.9	40.1	40.1	37.6	21.0
Bearing	252.5	151.1	49.5	51.0	51.2	132.4	297.1	297.1	276.9	169.1
Radiation on Gnd	921.4	862.3	1173.3	1150.7	1147.6	794.9	964.6	964.4	841.3	1008.8
Lower Angle	2.2	0.0	11.4	11.2	11.0	0.0	2.1	2.1	0.0	0.0
Upper Angle	5.7	0.0	19.3	18.9	18.8	0.0	5.6	5.6	0.0	0.0
Max Rad	169.7	794.7	46.0	44.8	45.0	1110.5	191.2	191.1	85.6	366.3
Skywave Field	22.4	.475	81.0	78.7	77.6	.313	17.9	17.9	3.96	.888
Limit	0.07585	0.07547	0.07445	0.07050	0.06984	0.06960	0.06854	0.06854	0.06776	0.06504

Limit to	ZYI544 R	WBWL 0	ZYI-678 R	WICC 0	WHEN 0	CKYL C	ZYH249 R	KMKI 0	ZYI425 R	XEKZ M
Station Class	D: /R2:B	D:00/R2:B	D: /R2:C	D:00/R2:B	D:00/R2:B	D: /R2:B	D: /R2:B	D:00/R2:B	D: /R2:B	D: /R2:B
Prefix/Freq	# 168/ 610	BL / 600	# 170/ 610	BL / 600	BL / 620	# 199/ 610	# 166/ 610	BL / 620	# 169/ 610	# 189/ 610
arn	Operatin		Operatin		990713DC	Operatin	Operatin	951017AD	Operatin	Operatin
Distance (km)	5928.0	794.5	6542.3	730.9	721.9	3455.8	6960.3	1561.7	6033.6	2764.9
Mid-Point Lat	15.1	33.8	16.3	39.3	40.2	48.2	14.8	35.6	13.0	27.0
Bearing	141.9	192.0	129.3	52.0	25.7	319.4	129.4	258.1	150.0	216.7
Radiation on Gnd	800.8	1002.5	806.6	1135.3	1459.0	1302.6	806.4	920.8	853.1	807.3
Lower Angle	0.0	8.5	0.0	9.5	9.6	0.0	0.0	1.7	0.0	0.0
Upper Angle	0.0	14.9	0.0	16.5	16.7	0.0	0.0	5.2	0.0	0.0
Max Rad	979.0	50.0	1139.1	46.9	47.0	112.4	1138.8	135.0	818.9	57.5
Skywave Field	.330	63.5	.273	64.3	63.8	2.59	.242	20.3	.319	4.36
Limit	0.06464	0.06358	0.06209	0.06032	0.05994	0.05816	0.05522	0.05472	0.05222	0.05020

Limit to	ZYH786 R	WDAE 0	WDAE 0	WVMT 0	ZYL-268 R	HOHM R	ZYK-577 R	ZYK-589 R	KSJB 0	ZP 30 R
Station Class	D: /R2:B	D:00/R2:B	D:00/R2:B	D:00/R2:B	D: /R2:B	D: /R2:B	D: /R2:C	D: /R2:C	D:00/R2:B	D: /R2:A
Prefix/Freq	# 165/ 610	BL / 620	BP / 620	BL / 620	# 167/ 610	# 181/ 610	# 162/ 610	# 163/ 610	BL / 600	# 182/ 610
arn	Operatin	911118AA	050110BG	881229AE	Operatin	Operatin	Operatin	Operatin		Operatin
Distance (km)	6838.4	1074.7	1074.7	986.5	7409.4	3145.2	7265.5	7614.2	1861.4	6953.1
Mid-Point Lat	10.9	32.6	32.6	41.0	9.1	23.2	8.4	7.6	42.4	7.6
Bearing	144.5	193.5	193.5	33.3	142.8	178.9	148.0	145.5	310.5	159.1
Radiation on Gnd	813.9	992.6	992.6	1389.4	805.1	1040.6	837.1	820.0	1174.1	934.1
Lower Angle	0.0	5.2	5.2	6.1	0.0	0.0	0.0	0.0	0.2	0.0
Upper Angle	0.0	10.1	10.1	11.4	0.0	0.0	0.0	0.0	3.1	0.0
Max Rad	931.2	55.1	55.1	57.5	961.8	160.7	861.9	911.7	168.1	606.7
Skywave Field	.251	40.5	40.5	36.6	.216	1.28	.224	.206	10.1	.243
Limit	0.04667	0.04467	0.04466	0.04207	0.04156	0.04126	0.03860	0.03750	0.03384	0.02947

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 Nighttime Limits From WVBE-P ROANOKE VA N Lat 37 18 11 W Long 80 02 33 Date 05302006 RMB&A Page 4
 File No./ARN - IFRB Serial No. 610 kHz Standard Pattern
 Comments: All radiations are in mV/m at 1 km PROP. NIGHT

Limit to	KCOL 0	WZON 0	CP 63 R	HRLP 4 R	HCMJ1 R	CKRW C	HRLP R	YSS R	TGGA R	CX4 R
Station Class	D:00/R2:B	D:00/R2:B	D: /R2:B	D: /R2:C	D: /R2:A	D: /R2:B	D: /R2:B	D: /R2:A	D: /R2:A	D: /R2:A
Prefix/Freq	BL / 600	BL / 620	# 172/ 610	# 178/ 610	# 176/ 610	# 209/ 610	# 179/ 610	# 183/ 610	# 177/ 610	# 185/ 610
arn	850919AC		Operatin	Proposal	Operatin	Operatin	Operatin	Operatin	Operatin	Operatin
Distance (km)	2185.4	1259.0	6110.5	2649.6	4168.9	4582.7	2679.7	2754.1	2730.1	8379.5
Mid-Point Lat	39.7	41.2	10.5	26.1	18.6	52.1	25.7	25.5	26.1	1.3
Bearing	287.6	44.8	166.0	201.3	177.5	322.6	197.3	198.9	205.3	160.0
Radiation on Gnd	860.8	1244.2	989.5	930.5	1039.2	1342.5	964.5	951.7	894.2	941.5
Lower Angle	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Upper Angle	1.3	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Rad	158.0	60.3	438.6	68.2	186.6	89.7	65.6	67.8	61.8	586.1
Skywave Field	8.85	23.0	.311	1.94	.682	1.41	1.89	1.76	1.80	.174
Limit	0.02796	0.02774	0.02728	0.02644	0.02546	0.02522	0.02472	0.02387	0.02224	0.02037

Limit to	KROD 0
Station Class	D:00/R2:B
Prefix/Freq	BL / 600
arn	960306SV
Distance (km)	2475.6
Mid-Point Lat	35.3
Bearing	263.9
Radiation on Gnd	902.2
Lower Angle	0.0
Upper Angle	0.0
Max Rad	91.2
Skywave Field	8.59
Limit	0.01567