

Nighttime Skywave Limits Study
In Support of an Application to
Reduce Nighttime Power
WAUB 6 Auburn, NY
1590 kHz, 0.5 kW-U, DA
Facility ID No. 43791

To determine the relevant nighttime protections and maximum inverse distance field (IDF) toward each protected station for the above-captioned application, a Nighttime Skywave Limits Study was conducted on 1590 kHz and the two adjacent channels. The 25% and 50% exclusion RSS night limits for each domestic station were calculated using the 10% skywave formula given in 47 C.F.R. §73.190(c) and the procedures specified in §73.182(k)(2) and §73.182(k)(1), respectively. The licensed WAUB nighttime facility was not found to enter the 50% RSS night limit of any domestic station. As such, the "ratchet rule" contained in 47 C.F.R. §73.182(q) does not apply to the instant application.

50% RSS night limits were calculated for co-channel Mexican class B stations using the tables contained in the AM Agreement Between The United States and Mexico (1986). The required protection toward each Mexican class B station identified in the study was calculated using the procedure contained in Paragraph 4.9.2.3 of Annex 2 to the Agreement. No co-channel Mexican stations were identified as requiring protection lower than 500 mV/m by the proposed facility.

50% RSS night limits were calculated for co-channel Canadian class B stations using the tables contained in the Agreement Between the United States of America and the Government of Canada Relating to the AM Broadcasting Service in the Medium Frequency Band (1984). The required protection toward each Canadian class B station identified in the study was calculated using the procedure contained in Paragraph 4.7.2 of Annex 2 of the Agreement. No co-channel Canadian stations were identified as requiring protection lower than 500 mV/m by the proposed facility.

For each domestic class B station, a required protection was calculated (25% of the calculated 25% exclusion RSS night limit) along with the maximum and minimum vertical angles (θ_{max} and θ_{min}) using the 10% skywave formula in §73.190(c).

The existing daytime directional antenna pattern was then evaluated to determine if it would limit the IDF at the relevant azimuths and vertical angles to the maximum permissible values calculated. The directional parameters along with the maximum E(Ø,) are shown as follows:

Auburn Broadcasting Inc.
WAUB-P 42-54-34 N 76-36-09 W 0.500 kW

Twr. No.	Field	Phasing	Spacing	Azimuth	Height
1	1.000	0.0	0.0	0.0	90.0
2	1.955	-123.0	90.0	350.0	90.0
3	1.000	114.0	180.0	350.0	90.0
RMS 230.90 mV/m		(kilometer)		Q 10.00 mV/m	

Azi.	Max IDF	Low Ø	IDF	High Ø	IDF	Protection
90.8	66.0	18.1	50.8	28.9	48.1	WSMN-LB
97.0	738.2	16.8	30.5	27.0	30.8	WUNR-LB
105.5	50.7	17.0	13.0	27.4	14.2	WARV-LB
137.1	237.7	23.8	9.2	36.4	8.6	WWRL-LB
163.7	104.7	21.5	19.8	33.5	9.3	WPAV-LB
165.5	262.7	14.4	27.3	23.7	17.9	WJJK-LB
167.7	813.3	17.7	24.4	28.4	13.5	WRJE-LB
180.2	139.9	18.2	21.9	29.0	11.9	WFBR-LB
186.4	623.1	17.7	19.1	28.3	10.9	WLXE-LB
191.1	164.4	57.9	4.7	69.3	6.8	WEHH-LB
200.0	980.6	0.6	14.8	3.7	14.6	WRXB-LB
210.5	210.0	2.6	10.5	6.3	10.5	WALG-LB
216.5	154.7	7.2	11.4	13.1	11.2	WKTP-LB
230.3	323.3	3.3	10.5	7.3	10.4	WVNA-LB
244.3	45.2	16.5	34.4	26.6	34.3	WAKR-LB
249.3	339.9	7.5	52.3	13.5	51.7	WNTS-LB
262.2	559.8	0.0	117.3	2.7	117.1	KVGB-LB
263.7	418.2	10.1	122.7	17.3	116.7	WTVB-LB
264.6	727.9	12.5	125.9	20.9	117.2	WAAM-LB
267.6	587.4	6.9	147.1	12.6	142.8	WCGO-LB
271.9	851.4	2.6	175.2	6.4	173.5	KWBG-LB
273.9	641.2	4.7	186.6	9.4	183.0	WPVL-LB
286.6	527.8	51.3	109.6	64.2	61.4	WASB-AB
286.6	117.6	51.3	109.6	64.2	61.4	WASB-LB

It has thus been shown that the nighttime facility proposed herein meets all the requirements of 47 C.F.R. §73.182 with respect to nighttime skywave protection of co- and adjacent-channel stations.

Nighttime Skywave Limits Study
WAUB 6 Auburn, NY

Exhibit E-15
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Auburn Broadcasting Inc.
1580 kHz Domestic RSS Protection Limits 50% Exclusion
Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014

NEW	A B ()	A UT, PAYSON	39-55-33	111-45-23	BNP-20040126AKB		
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIM:17.129	RSS:17.13		1212 km	
50% Exclusion RSS 17.13 mV/m							
NEW	P(A)	1580 CA AB, EDMONTON	LIM:6.847	RSS:18.45		1508 km	
25% Exclusion RSS 18.45 mV/m Requires Protection of 3.296 mV/m							
KMIK	L(AA)	1580 US AZ, TEMPE	LIC. NEXT	LIM:3.284		719 km	
NEW	A B ()	L UT, TOOELE	40-32-36	112-18-33	BNP-20040126AQB		
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIM:15.544	RSS:15.54		1285 km	
50% Exclusion RSS 15.54 mV/m							
NEW	P(A)	1580 CA AB, EDMONTON	LIM:7.637	RSS:17.32		1437 km	
25% Exclusion RSS 17.32 mV/m Requires Protection of 3.816 mV/m							
KMIK	L(AA)	1580 US AZ, TEMPE	LIC. NEXT	LIM:3.315		789 km	
NEW	A B ()	C UT, SPANISH FORK	40-06-54	111-39-15	BNP-20040127AAV		
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIM:16.654	RSS:16.65		1233 km	
50% Exclusion RSS 16.65 mV/m							
NEW	P(A)	1580 CA AB, EDMONTON	LIM:6.939	RSS:18.04		1487 km	
25% Exclusion RSS 18.04 mV/m Requires Protection of 3.308 mV/m							
KMIK	L(AA)	1580 US AZ, TEMPE	LIC. NEXT	LIM:2.970		741 km	
NEW	A B ()	P MT, LOLO	46-48-04	114-05-11	BNP-20040130AQT		
NEW	P(A)	1580 CA AB, EDMONTON	LIM:23.889	RSS:23.89		741 km	
50% Exclusion RSS 23.89 mV/m							
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIM:6.635	RSS:24.79		1993 km	
25% Exclusion RSS 24.79 mV/m Requires Protection of 6.198 mV/m							
KGAL	L(A)	1580 US OR, LEBANON	LIC. NEXT	LIM:3.696		729 km	
NEW	A B ()	L UT, SPRINGVILLE	40-12-44	111-40-13	BNP-20040130BNE		
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIM:16.410	RSS:16.41		1244 km	
50% Exclusion RSS 16.41 mV/m							
NEW	P(A)	1580 CA AB, EDMONTON	LIM:7.023	RSS:17.85		1477 km	
25% Exclusion RSS 17.85 mV/m Requires Protection of 3.350 mV/m							
KKTS	L()	1580 US WY, EVANSVILLE	LIC. NEXT	LIM:2.947		537 km	
NEW	A B ()	L UT, WASHINGTON	37-06-45	113-29-50	BNP-20040130BSB		
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIM:26.028	RSS:26.03		928 km	
KMIK	L(AA)	1580 US AZ, TEMPE	LIM:19.809	RSS:32.71		434 km	
50% Exclusion RSS 32.71 mV/m							
25% Exclusion RSS 32.71 mV/m Requires Protection of 8.177 mV/m							
NEW	P(A)	1580 CA AB, EDMONTON	LIC. NEXT	LIM:5.694		1816 km	
WLIM	L B ()	L NY, PATCHOGUE	40-47-45	72-59-32	BL-20060809ALJ		
CKDO	O(A)	1580 CA ON, OSHAWA	LIM:22.488	RSS:22.49		585 km	
50% Exclusion RSS 22.49 mV/m							
25% Exclusion RSS 22.49 mV/m Requires Protection of 3.855 mV/m							
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIC. NEXT	LIM:1.764		3665 km	
WVKO	L B ()	L OH, COLUMBUS	40-03-42	82-56-41	BL-20070615ADX		
CKDO	O(A)	1580 CA ON, OSHAWA	LIM:26.522	RSS:26.52		547 km	
50% Exclusion RSS 26.52 mV/m							
WHLY	L(A)	1580 US IN, SOUTH BEND	LIM:10.123	RSS:28.39		325 km	
25% Exclusion RSS 28.39 mV/m Requires Protection of 7.097 mV/m							
WJFK	L()	1580 US MD, MORNINGSIDE	LIC. NEXT	LIM:3.899		536 km	
NEW	C B ()	L CA, RED BLUFF	40-10-15	122-15-51	BNP-20100426ADD		
KMIK	L(AA)	1580 US AZ, TEMPE	LIM:10.934	RSS:10.93		1190 km	
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIM:10.803	RSS:15.37		1610 km	
KGAL	L(A)	1580 US OR, LEBANON	LIM:9.793	RSS:18.23		492 km	
50% Exclusion RSS 18.23 mV/m							
NEW	P(A)	1580 CA AB, EDMONTON	LIM:8.955	RSS:20.31		1624 km	
25% Exclusion RSS 20.31 mV/m Requires Protection of 5.077 mV/m							
KBLA	L()	1580 US CA, SANTA MONICA	LIC. NEXT	LIM:3.681		764 km	
KKTS	L B ()	A WY, EVANSVILLE	42-52-54	106-17-13	BL-20120524AJR		
XEDM	P(A)	1580 MX SO, HERMOSILLO	LIM:10.445	RSS:10.44		1594 km	
50% Exclusion RSS 10.44 mV/m							
NEW	P(A)	1580 CA AB, EDMONTON	LIM:4.936	RSS:11.55		1283 km	
25% Exclusion RSS 11.55 mV/m Requires Protection of 2.888 mV/m							
XERF	O(A)	1570 MX CI, CD.ACUNA	LIC. NEXT	LIM:2.567		1576 km	

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1580 kHz Domestic RSS Protection Limits 50% Exclusion
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WSRF	L B () A FL, FORT LAUDERDALE	26-04-39	80-13-03	BMM-20120913ACL		
CKDO	O(A) 1580 CA ON, OSHAWA			LIM:3.970	RSS:3.97	1983 km
XEDM	P(A) 1580 MX SO, HERMOSILLO			LIM:3.748	RSS:5.46	3039 km
CMHQ	O() 1580 CU NO, SANTA CRUZ S			LIM:2.871	RSS:6.17	636 km
50% Exclusion RSS 6.17 mV/m						
YNR11	P() 1580 NU NO, RELOJ NACION			LIM:2.553	RSS:6.68	1582 km
ALLO	O() 1570 TK NO, GRAND TURK			LIM:2.436	RSS:7.11	1055 km
WEKO	L(AA) 1580 US PR, MOROVIS			LIM:2.249	RSS:7.45	1659 km
KXZZ	L() 1580 US LA, LAKE CHARLES			LIM:1.875	RSS:7.69	1354 km
25% Exclusion RSS 7.69 mV/m Requires Protection of 1.875 mV/m						
XERF	O(A) 1570 MX CI, CD.ACUNA			LIC. NEXT	LIM:1.859	2078 km
KBLA	L B () L CA, SANTA MONICA	34-05-08	118-15-24	BMM-20130719CZK		
XEDM	P(A) 1580 MX SO, HERMOSILLO			LIM:28.308	RSS:28.31	890 km
50% Exclusion RSS 28.31 mV/m						
KMIK	L(AA) 1580 US AZ, TEMPE			LIM:9.400	RSS:29.83	598 km
25% Exclusion RSS 29.83 mV/m Requires Protection of 7.457 mV/m						
NEW	P(A) 1580 CA AB, EDMONTON			LIC. NEXT	LIM:5.069	2188 km
WCCF	L B () P FL, PUNTA GORDA	26-53-37	82-03-03	BL-19980506KA		
WSRF	L() 1580 US FL, FORT LAUDERDALE			LIM:5.345	RSS:5.35	204 km
XEDM	P(A) 1580 MX SO, HERMOSILLO			LIM:4.227	RSS:6.81	2841 km
CKDO	O(A) 1580 CA ON, OSHAWA			LIM:4.207	RSS:8.01	1911 km
50% Exclusion RSS 8.01 mV/m						
YNR11	P() 1580 NU NO, RELOJ NACION			LIM:2.488	RSS:8.39	1601 km
KXZZ	L() 1580 US LA, LAKE CHARLES			LIM:2.462	RSS:8.74	1150 km
WIOL	L(AA) 1580 US GA, COLUMBUS			LIM:2.362	RSS:9.05	683 km
25% Exclusion RSS 9.05 mV/m Requires Protection of 2.263 mV/m						
XERF	O(A) 1570 MX CI, CD.ACUNA			LIC. NEXT	LIM:2.196	1879 km
WJFK	L B () O MD, MORNINGSIDE	38-52-09	76-53-47	BMM-20130918AJ0		
CKDO	O(A) 1580 CA ON, OSHAWA			LIM:25.373	RSS:25.37	578 km
50% Exclusion RSS 25.37 mV/m						
WLIM	L() 1580 US NY, PATCHOGUE			LIM:6.526	RSS:26.20	396 km
25% Exclusion RSS 26.20 mV/m Requires Protection of 6.526 mV/m						
CKDO	O(A) 1580 CA ON, OSHAWA			LIC. NEXT	LIM:4.628	578 km
KMIK	L B (AA) L AZ, TEMPE	33-27-22	111-50-01	BL-19870529AG		
XEDM	P(A) 1580 MX SO, HERMOSILLO			LIM:56.708	RSS:56.71	498 km
50% Exclusion RSS 56.71 mV/m						
25% Exclusion RSS 56.71 mV/m Requires Protection of 14.177 mV/m						
KBLA	L() 1580 US CA, SANTA MONICA			LIC. NEXT	LIM:9.902	598 km
WIOL	L B (AA) L GA, COLUMBUS	32-27-55	85-01-22	BL-19890525AC		
CKDO	O(A) 1580 CA ON, OSHAWA			LIM:6.950	RSS:6.95	1380 km
KXZZ	L() 1580 US LA, LAKE CHARLES			LIM:5.054	RSS:8.59	814 km
XEDM	P(A) 1580 MX SO, HERMOSILLO			LIM:4.952	RSS:9.92	2500 km
50% Exclusion RSS 9.92 mV/m						
XERF	O(A) 1570 MX CI, CD.ACUNA			LIM:2.825	RSS:10.31	1564 km
25% Exclusion RSS 10.31 mV/m Requires Protection of 2.578 mV/m						
WJFK	L() 1580 US MD, MORNINGSIDE			LIC. NEXT	LIM:2.239	1022 km
WHLY	L B (A) L IN, SOUTH BEND	41-41-09	86-09-53	BL-19880812AB		
CKDO	O(A) 1580 CA ON, OSHAWA			LIM:17.257	RSS:17.26	651 km
50% Exclusion RSS 17.26 mV/m						
25% Exclusion RSS 17.26 mV/m Requires Protection of 4.314 mV/m						
XEDM	P(A) 1580 MX SO, HERMOSILLO			LIC. NEXT	LIM:3.830	2636 km
KXZZ	L B () L LA, LAKE CHARLES	30-15-28	93-11-55	BL-		
XEDM	P(A) 1580 MX SO, HERMOSILLO			LIM:10.237	RSS:10.24	1719 km
XERF	O(A) 1570 MX CI, CD.ACUNA			LIM:8.380	RSS:13.23	762 km
50% Exclusion RSS 13.23 mV/m						
KMIK	L(AA) 1580 US AZ, TEMPE			LIM:4.868	RSS:14.10	1793 km
KWED	L(AA) 1580 US TX, SEGUIN			LIM:3.976	RSS:14.65	467 km
25% Exclusion RSS 14.65 mV/m Requires Protection of 3.662 mV/m						
CKDO	O(A) 1580 CA ON, OSHAWA			LIC. NEXT	LIM:3.615	1977 km

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KGAL	L B (A)	L OR, LEBANON	44-34-25	122-55-05	BL-19950815AB		
NEW	P(A)	1580 CA AB, EDMONTON		LIM:14.500	RSS:14.50	1209 km	
50% Exclusion RSS 14.50 mV/m							
XEDM	P(A)	1580 MX SO, HERMOSILLO		LIM:6.796	RSS:16.01	2024 km	
25% Exclusion RSS 16.01 mV/m Requires Protection of 4.003 mV/m							
KMIK	L(AA)	1580 US AZ, TEMPE		LIC. NEXT	LIM:3.883	1560 km	
KGAF	L B ()	L TX, GAINESVILLE	33-37-42	97-06-25	BL-19850812AD		
XEDM	P(A)	1580 MX SO, HERMOSILLO		LIM:13.808	RSS:13.81	1409 km	
XERF	O(A)	1570 MX CI, CD.ACUNA		LIM:10.996	RSS:17.65	604 km	
50% Exclusion RSS 17.65 mV/m							
KXZZ	L()	1580 US LA, LAKE CHARLES		LIM:7.665	RSS:19.24	526 km	
25% Exclusion RSS 19.24 mV/m Requires Protection of 4.811 mV/m							
KWED	L(AA)	1580 US TX, SEGUIN		LIC. NEXT	LIM:4.073	458 km	
KIRT	L B ()	L TX, MISSION	26-17-36	98-19-50	BL-		
XEDM	P(A)	1580 MX SO, HERMOSILLO		LIM:17.759	RSS:17.76	1279 km	
XERF	O(A)	1570 MX CI, CD.ACUNA		LIM:15.781	RSS:23.76	431 km	
50% Exclusion RSS 23.76 mV/m							
KMIK	L(AA)	1580 US AZ, TEMPE		LIM:8.156	RSS:25.12	1524 km	
25% Exclusion RSS 25.12 mV/m Requires Protection of 6.280 mV/m							
XE0050	P(A)	1580 MX CI, SALTILLO		LIC. NEXT	LIM:6.219	282 km	
KWED	L B (AA)	L TX, SEGUIN	29-34-48	97-59-05	BL-		
XERF	O(A)	1570 MX CI, CD.ACUNA		LIM:18.424	RSS:18.42	296 km	
XEDM	P(A)	1580 MX SO, HERMOSILLO		LIM:17.401	RSS:25.34	1258 km	
50% Exclusion RSS 25.34 mV/m							
KMIK	L(AA)	1580 US AZ, TEMPE		LIM:9.510	RSS:27.07	1380 km	
25% Exclusion RSS 27.07 mV/m Requires Protection of 6.767 mV/m							
KIRT	L()	1580 US TX, MISSION		LIC. NEXT	LIM:5.475	367 km	
WEKO	L B (AA)	L PR, MOROVIS	18-20-32	66-25-08	BL-19861002AF		
ALLOC	O()	1580 AC NO, JUDGE BAY		LIM:16.164	RSS:16.16	508 km	
HIWJ	O()	1580 DR NO, SAMANA		LIM:8.700	RSS:18.36	321 km	
50% Exclusion RSS 18.36 mV/m							
ALLOC	O()	1570 TK NO, GRAND TURK		LIM:6.274	RSS:19.40	605 km	
25% Exclusion RSS 19.40 mV/m Requires Protection of 4.850 mV/m							
HJQZ	O()	1580 CO NO, BARRANQUILLA		LIC. NEXT	LIM:2.871	1218 km	

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XEAGA O B (A) P AG, AGUASCALIENTES 21-52-43 102-18-04 -						
XE0067	O (A)	1590 MX GT,	IRAPUATO	LIM:8.933	RSS:8.93	166 km
XEIRG	P (A)	1590 MX GT,	POZO DE PARRAS	LIM:8.604	RSS:12.40	159 km
XEPNA	O (A)	1590 MX NA,	TEPIC	LIM:8.471	RSS:15.02	271 km
XE	P (A)	1590 MX MC,	APATZINGAN	LIM:7.930	RSS:16.98	310 km
50% Exclusion RSS 16.98 mV/m				Requires Protection of 6.159 mV/m		
XECSI	O (A)	1590 MX SI,	CULIACAN	LIC. NEXT	LIM:4.472	616 km
XEHC O B (O) P BN, ENSENADA 31-52-52 116-35-22 -						
KVTA	L ()	1590 US CA,	VENTURA	LIM:11.994	RSS:11.99	358 km
50% Exclusion RSS 11.99 mV/m				Requires Protection of 11.994 mV/m		
KEYX	O (A)	1590 MX BN,	MEXICALI	LIC. NEXT	LIM:5.142	126 km
XEYX O B (O) O BN, MEXICALI 32-37-40 115-34-48 -						
XEHC	O (A)	1590 MX BN,	ENSENADA	LIM:8.260	RSS:8.26	131 km
50% Exclusion RSS 8.26 mV/m				Requires Protection of 8.260 mV/m		
ALLOC	C ()	1590 US NV,	PARADISE	LIC. NEXT	LIM:3.454	375 km
XEBZ O B (O) P CH, CD.DELICIAS 28-11-21 105-26-59 -						
KELP	L ()	1590 US TX,	EL PASO	LIM:6.654	RSS:6.65	404 km
KDAV	L ()	1590 US TX,	LUBBOCK	LIM:5.957	RSS:8.93	689 km
KDAE	L ()	1590 US TX,	SINTON	LIM:5.748	RSS:10.62	783 km
XEPNA	O (A)	1590 MX NA,	TEPIC	LIM:5.393	RSS:11.91	744 km
50% Exclusion RSS 11.91 mV/m				Requires Protection of 5.393 mV/m		
XECSI	O (A)	1590 MX SI,	CULIACAN	LIC. NEXT	LIM:5.323	417 km
XEVOZ O B (O) P DF, IZTACALCO 19-24-04 99-04-56 -						
XE0067	O (A)	1590 MX GT,	IRAPUATO	LIM:7.963	RSS:7.96	276 km
XE	P (A)	1590 MX MC,	APATZINGAN	LIM:7.699	RSS:11.08	336 km
XEIRG	P (A)	1590 MX GT,	POZO DE PARRAS	LIM:7.663	RSS:13.47	281 km
50% Exclusion RSS 13.47 mV/m				Requires Protection of 7.663 mV/m		
XE	P (A)	1590 MX JA,	PIHUAMO	LIC. NEXT	LIM:6.676	452 km
XE0067 P B (O) P GT, IRAPUATO 20-38-00 101-20-42 -						
XE	P (A)	1590 MX MC,	APATZINGAN	LIM:9.054	RSS:9.05	197 km
XEPNA	O (A)	1590 MX NA,	TEPIC	LIM:7.641	RSS:11.85	382 km
XEAGA	O (A)	1590 MX AG,	AGUASCALIENTES	LIM:6.780	RSS:13.65	170 km
50% Exclusion RSS 13.65 mV/m				Requires Protection of 6.780 mV/m		
XE	P (A)	1590 MX SL,	MATEHUALA	LIC. NEXT	LIM:5.720	341 km
XE P B (A) P JA, PIHUAMO 19-15-00 103-23-00 -						
XE	P (A)	1590 MX MC,	APATZINGAN	LIM:10.574	RSS:10.57	120 km
XEPNA	O (A)	1590 MX NA,	TEPIC	LIM:8.283	RSS:13.43	296 km
XE0067	O (A)	1590 MX GT,	IRAPUATO	LIM:8.029	RSS:15.65	265 km
50% Exclusion RSS 15.65 mV/m				Requires Protection of 8.029 mV/m		
XEIRG	P (A)	1590 MX GT,	POZO DE PARRAS	LIC. NEXT	LIM:7.745	267 km
XE P B (A) P MC, APATZINGAN 19-04-54 102-15-31 -						
XE	P (A)	1590 MX JA,	PIHUAMO	LIM:9.907	RSS:9.91	120 km
XE0067	O (A)	1590 MX GT,	IRAPUATO	LIM:8.537	RSS:13.08	200 km
XEIRG	P (A)	1590 MX GT,	POZO DE PARRAS	LIM:8.199	RSS:15.44	205 km
50% Exclusion RSS 15.44 mV/m				Requires Protection of 8.199 mV/m		
XEPNA	O (A)	1590 MX NA,	TEPIC	LIC. NEXT	LIM:7.616	385 km
XEART P B (A) O ML, ZACATEPEC 18-39-12 99-11-38 -						
XE	P (A)	1590 MX MC,	APATZINGAN	LIM:7.786	RSS:7.79	326 km
XE0067	O (A)	1590 MX GT,	IRAPUATO	LIM:7.654	RSS:10.92	318 km
XEIRG	P (A)	1590 MX GT,	POZO DE PARRAS	LIM:7.367	RSS:13.17	324 km
XE	P (A)	1590 MX JA,	PIHUAMO	LIM:6.713	RSS:14.78	446 km
50% Exclusion RSS 14.78 mV/m				Requires Protection of 6.713 mV/m		
XEPNA	O (A)	1590 MX NA,	TEPIC	LIC. NEXT	LIM:5.864	675 km
XEPNA O B (A) P NA, TEPIC 21-30-47 104-53-42 -						
XE	P (A)	1590 MX JA,	PIHUAMO	LIM:7.806	RSS:7.81	296 km
XE0067	O (A)	1590 MX GT,	IRAPUATO	LIM:7.203	RSS:10.62	380 km
XEIRG	P (A)	1590 MX GT,	POZO DE PARRAS	LIM:7.009	RSS:12.73	376 km
50% Exclusion RSS 12.73 mV/m				Requires Protection of 7.009 mV/m		
XEAGA	O (A)	1590 MX AG,	AGUASCALIENTES	LIC. NEXT	LIM:6.105	271 km

Auburn Broadcasting Inc.
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Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014

XEACH	P B (A)	O NL, MONTERREY	25-40-58	100-12-09	-			
XE	P (A)	1590 MX SL, MATEHUALA	LIM:6.348	RSS:6.35	231 km			
KDAE	L ()	1590 US TX, SINTON	LIM:6.218	RSS:8.89	375 km			
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:6.073	RSS:10.76	569 km			
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:5.933	RSS:12.29	563 km			
50% Exclusion RSS 12.29 mV/m			Requires Protection of 5.933 mV/m					
XEPNA	O (A)	1590 MX NA, TEPIC	LIC. NEXT	LIM:5.918	666 km			
XECSI	O B (A)	O SI, CULIACAN	24-51-24	107-23-47	-			
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:7.138	RSS:7.14	451 km			
XE	P (A)	1590 MX JA, PIHUAMO	LIM:5.000	RSS:8.71	748 km			
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:4.875	RSS:9.99	775 km			
50% Exclusion RSS 9.99 mV/m			Requires Protection of 4.875 mV/m					
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIC. NEXT	LIM:4.779	769 km			
XE	P B (A)	P SL, MATEHUALA	23-38-24	100-38-51	-			
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:7.512	RSS:7.51	336 km			
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:7.322	RSS:10.49	330 km			
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:6.851	RSS:12.53	496 km			
XE	P (A)	1590 MX MC, APATZINGAN	LIM:6.308	RSS:14.03	534 km			
50% Exclusion RSS 14.03 mV/m			Requires Protection of 6.308 mV/m					
XEAGA	O (A)	1590 MX AG, AGUASCALIENTES	LIC. NEXT	LIM:6.159	259 km			
XE	P B (A)	P SO, CD.OBREGON	27-28-30	109-58-00	-			
XECSI	O (A)	1590 MX SI, CULIACAN	LIM:5.475	RSS:5.48	388 km			
KELP	L ()	1590 US TX, EL PASO	LIM:4.851	RSS:7.32	587 km			
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:4.810	RSS:8.76	838 km			
XEHC	O (A)	1590 MX BN, ENSENADA	LIM:4.648	RSS:9.91	807 km			
50% Exclusion RSS 9.91 mV/m			Requires Protection of 4.648 mV/m					
KDAV	L ()	1590 US TX, LUBBOCK	LIC. NEXT	LIM:3.672	1033 km			
XEMTS	P B (O)	O TA, CD.MADERO	22-14-30	97-50-10	-			
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:7.041	RSS:7.04	403 km			
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:6.837	RSS:9.81	402 km			
XE	P (A)	1590 MX MC, APATZINGAN	LIM:6.069	RSS:11.54	579 km			
50% Exclusion RSS 11.54 mV/m			Requires Protection of 5.518 mV/m					
XEPNA	O (A)	1590 MX NA, TEPIC	LIC. NEXT	LIM:5.476	733 km			
XENVA2	P B (A)	O TA, MATAMOROS	25-42-03	97-30-24	-			
KDAE	L ()	1590 US TX, SINTON	LIM:6.773	RSS:6.77	257 km			
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:5.464	RSS:8.70	683 km			
XE	P (A)	1590 MX SL, MATEHUALA	LIM:5.455	RSS:10.27	391 km			
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:5.340	RSS:11.58	679 km			
50% Exclusion RSS 11.58 mV/m			Requires Protection of 5.340 mV/m					
XEPNA	O (A)	1590 MX NA, TEPIC	LIC. NEXT	LIM:4.453	885 km			
XEPT	O B (A)	O VC, MISANTLA	19-56-02	96-50-24	-			
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:6.558	RSS:6.56	477 km			
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:6.352	RSS:9.13	480 km			
XE	P (A)	1590 MX MC, APATZINGAN	LIM:6.085	RSS:10.97	576 km			
50% Exclusion RSS 10.97 mV/m			Requires Protection of 5.383 mV/m					
KMIC	L ()	1590 US TX, HOUSTON	LIC. NEXT	LIM:5.005	1111 km			
XECP	O B (O)	P YC, VALLADOLID	20-41-24	88-12-23	-			
KMIC	L ()	1590 US TX, HOUSTON	LIM:15.124	RSS:15.12	1251 km			
50% Exclusion RSS 15.12 mV/m			Requires Protection of 15.124 mV/m					
TGXC	O ()	1590 GT NO, TRIUNFADORA	LIC. NEXT	LIM:5.634	735 km			
LRJ365	P C ()	P NO, RIO CUARTO	33-08-00	64-22-00	-			
CX159	O ()	1590 UY NO, COLONIA	LIM:2.592	RSS:2.59	617 km			
CB 159	O ()	1590 CI NO, SAN FELIPE	LIM:2.516	RSS:3.61	626 km			
LRK364	P ()	1590 AR NO, SUMAMPA	LIM:2.084	RSS:4.17	478 km			
50% Exclusion RSS 4.17 mV/m			Requires Protection of 2.084 mV/m					
LRI388	P ()	1590 AR NO, SALADILLO	LIC. NEXT	LIM:1.471	456 km			
LRI388	P C ()	P NO, SALADILLO	35-38-00	59-47-00	-			
CX159	O ()	1590 UY NO, COLONIA	LIM:3.291	RSS:3.29	206 km			
LRJ365	P ()	1590 AR NO, RIO CUARTO	LIM:2.081	RSS:3.89	456 km			
50% Exclusion RSS 3.89 mV/m			Requires Protection of 2.081 mV/m					
LRK364	P ()	1590 AR NO, SUMAMPA	LIC. NEXT	LIM:1.876	727 km			

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Auburn Broadcasting Inc. 1590 kHz RSS Protection Limits 50% Exclusion Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014						
LRK364 P C () P NO, SUMAMPA	29-22-00	63-29-00	-			
CX159 O () 1590 UY NO, COLONIA		LIM:2.201	RSS:2.20	770 km		
CB 159 O () 1590 CI NO, SAN FELIPE		LIM:2.180	RSS:3.10	754 km		
LRJ365 P () 1590 AR NO, RIO CUARTO		LIM:2.084	RSS:3.73	478 km		
50% Exclusion RSS 3.73 mV/m		Requires Protection of 2.084 mV/m				
LRI388 P () 1590 AR NO, SALADILLO		LIC. NEXT	LIM:1.327	727 km		
ALLOC P C () P NO, ALVARES MACH	22-05-00	51-28-00	-			
ALLOC P () 1590 BR NO, CABREUVA		LIM:1.921	RSS:1.92	454 km		
ZYJ290 O () 1590 BR NO, ANDIRA		LIM:1.819	RSS:2.65	172 km		
ZYJ224 O () 1590 BR NO, ARAUCARIA		LIM:1.579	RSS:3.08	348 km		
ALLOC P () 1590 BR NO, VARZEA D PAL		LIM:1.576	RSS:3.46	936 km		
50% Exclusion RSS 3.46 mV/m		Requires Protection of 1.576 mV/m				
ZYJ799 O () 1590 BR NO, PONTE SERRAD		LIC. NEXT	LIM:1.565	360 km		
ALLOC P C () P NO, ANASTACIO	20-33-00	55-47-00	-			
ZYI403 O () 1590 BR NO, ELDORADO		LIM:1.492	RSS:1.49	344 km		
ZYJ316 O () 1590 BR NO, FAXINAL		LIM:1.344	RSS:2.01	544 km		
ALLOC P () 1590 BR NO, ALVARES MACH		LIM:1.275	RSS:2.38	526 km		
ZYJ296 O () 1590 BR ES, CAP LEONIDAS		LIM:1.220	RSS:2.67	611 km		
50% Exclusion RSS 2.67 mV/m		Requires Protection of 1.220 mV/m				
ZYJ290 O () 1590 BR NO, ANDIRA		LIC. NEXT	LIM:1.172	695 km		
ZYJ290 O C () P NO, ANDIRA	23-02-00	50-14-00	-			
ALLOC P () 1590 BR NO, CABREUVA		LIM:2.162	RSS:2.16	320 km		
ZYJ316 O () 1590 BR NO, FAXINAL		LIM:1.860	RSS:2.85	155 km		
ZYJ224 O () 1590 BR NO, ARAUCARIA		LIM:1.805	RSS:3.38	182 km		
ALLOC P () 1590 BR NO, ALVARES MACH		LIM:1.720	RSS:3.79	172 km		
50% Exclusion RSS 3.79 mV/m		Requires Protection of 1.720 mV/m				
ZYJ799 O () 1590 BR NO, PONTE SERRAD		LIC. NEXT	LIM:1.647	299 km		
ALLOC P C () P NO, AQUIRAZ EUSE	-3-53-00	38-27-00	-			
ZYH620 O () 1590 BR NO, CASCABEL CE		LIM:1.777	RSS:1.78	195 km		
ZYH801 O () 1590 BR NO, CAMOCIM 1		LIM:1.659	RSS:2.43	290 km		
ZYH633 O () 1590 BR NO, CEDRO		LIM:1.554	RSS:2.89	369 km		
50% Exclusion RSS 2.89 mV/m		Requires Protection of 1.554 mV/m				
ZYI796 O () 1590 BR NO, BEZERROS		LIC. NEXT	LIM:1.174	693 km		
ZYJ224 O C () P NO, ARAUCARIA	25-35-00	49-24-00	-			
ALLOC P () 1590 BR NO, CABREUVA		LIM:2.192	RSS:2.19	301 km		
ZYJ290 O () 1590 BR NO, ANDIRA		LIM:1.805	RSS:2.84	182 km		
ZYJ801 O () 1590 BR NO, ITUPORANGA		LIM:1.713	RSS:3.32	243 km		
ZYJ799 O () 1590 BR NO, PONTE SERRAD		LIM:1.680	RSS:3.72	273 km		
50% Exclusion RSS 3.72 mV/m		Requires Protection of 1.680 mV/m				
ZYJ316 O () 1590 BR NO, FAXINAL		LIC. NEXT	LIM:1.617	331 km		
ZYK212 O C () P NO, BAGE	31-19-00	54-07-00	-			
CX159 O () 1590 UY NO, COLONIA		LIM:2.887	RSS:2.89	470 km		
CV 150 O () 1590 UY NO, LASCANO		LIM:1.908	RSS:3.46	181 km		
50% Exclusion RSS 3.46 mV/m		Requires Protection of 1.908 mV/m				
CV159 O () 1590 UY NO, CONSTITUCION		LIC. NEXT	LIM:1.603	357 km		
ZYI796 O C () P NO, BEZERROS	-8-16-00	35-44-00	-			
ZYH633 O () 1590 BR NO, CEDRO		LIM:1.446	RSS:1.45	450 km		
ZYH620 O () 1590 BR NO, CASCABEL CE		LIM:1.374	RSS:1.99	511 km		
ALLOC P () 1590 BR NO, AQUIRAZ EUSE		LIM:1.108	RSS:2.28	693 km		
50% Exclusion RSS 2.28 mV/m		Requires Protection of 1.103 mV/m				
ZYH801 O () 1590 BR NO, CAMOCIM 1		LIC. NEXT	LIM:0.855	932 km		
ALLOC P C () O NO, CABREUVA	23-19-00	47-08-00	-			
ALLOC P () 1590 BR NO, VARZEA D PAL		LIM:2.050	RSS:2.05	742 km		
ZYJ224 O () 1590 BR NO, ARAUCARIA		LIM:1.644	RSS:2.63	301 km		
ALLOC P () 1590 BR NO, RESENDE 1		LIM:1.640	RSS:3.10	305 km		
ZYJ290 O () 1590 BR NO, ANDIRA		LIM:1.622	RSS:3.50	320 km		
50% Exclusion RSS 3.50 mV/m		Requires Protection of 1.622 mV/m				
ALLOC P () 1590 BR NO, JOINVILLE		LIC. NEXT	LIM:1.581	377 km		

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ZYH801	O C ()	O NO, CAMOCIM 1	-2-55-00	40-51-00	-			
ALLOC	P ()	1590 BR NO, AQUIRAZ EUSE			LIM:1.566	RSS:1.57	290 km	
ZYH620	O ()	1590 BR NO, CASCAVEL CE			LIM:1.483	RSS:2.16	424 km	
ZYH633	O ()	1590 BR NO, CEDRO			LIM:1.366	RSS:2.55	519 km	
50% Exclusion RSS 2.55 mV/m			Requires Protection of 1.366 mV/m					
ZYI796	O ()	1590 BR NO, BEZERROS			LIC. NEXT	LIM:0.855	932 km	
ZYJ296	O C ()	O ES, CAP LEONIDAS	25-27-00	53-35-00	-			
ZYJ799	O ()	1590 BR NO, PONTE SERRAD			LIM:1.817	RSS:1.82	174 km	
ZYK281	O ()	1590 BR NO, PORTO LUCENA			LIM:1.738	RSS:2.51	229 km	
ZYI403	O ()	1590 BR NO, ELDORADO			LIM:1.585	RSS:2.97	268 km	
ZYJ316	O ()	1590 BR NO, FAXINAL			LIM:1.571	RSS:3.36	363 km	
50% Exclusion RSS 3.36 mV/m			Requires Protection of 1.571 mV/m					
ALLOC	P ()	1590 BR NO, CABREUVA			LIC. NEXT	LIM:1.571	689 km	
ALLOC	P C ()	P NO, CAPAO BONITO	24-00-00	48-21-00	-			
ALLOC	P ()	1590 BR NO, CABREUVA			LIM:2.382	RSS:2.38	192 km	
ZYJ224	O ()	1590 BR NO, ARAUCARIA			LIM:1.961	RSS:3.09	116 km	
ALLOC	P ()	1590 BR NO, JOINVILLE			LIM:1.820	RSS:3.58	195 km	
50% Exclusion RSS 3.58 mV/m			Requires Protection of 1.820 mV/m					
ZYJ290	O ()	1590 BR NO, ANDIRA			LIC. NEXT	LIM:1.744	224 km	
ZYH620	O C ()	P NO, CASCAVEL CE	-4-08-00	38-14-00	-			
ZYH633	O ()	1590 BR NO, CEDRO			LIM:1.782	RSS:1.78	193 km	
ALLOC	P ()	1590 BR NO, AQUIRAZ EUSE			LIM:1.678	RSS:2.45	195 km	
ZYH801	O ()	1590 BR NO, CAMOCIM 1			LIM:1.483	RSS:2.86	424 km	
50% Exclusion RSS 2.86 mV/m			Requires Protection of 1.483 mV/m					
ZYI796	O ()	1590 BR NO, BEZERROS			LIC. NEXT	LIM:1.374	511 km	
ZYH633	O C ()	O NO, CEDRO	-6-36-00	39-04-00	-			
ZYH620	O ()	1590 BR NO, CASCAVEL CE			LIM:1.782	RSS:1.78	193 km	
ALLOC	P ()	1590 BR NO, AQUIRAZ EUSE			LIM:1.467	RSS:2.31	369 km	
ZYI796	O ()	1590 BR NO, BEZERROS			LIM:1.446	RSS:2.72	450 km	
ZYH801	O ()	1590 BR NO, CAMOCIM 1			LIM:1.366	RSS:3.05	519 km	
50% Exclusion RSS 3.05 mV/m			Requires Protection of 1.366 mV/m					
ALLOC	P ()	1590 BR NO, JIQUIRICA			LIC. NEXT	LIM:0.949	819 km	
ZYJ485	O C ()	O NO, DUQ DE CAXIA	22-46-00	43-19-00	-			
ALLOC	P ()	1590 BR NO, VARZEA D PAL			LIM:2.469	RSS:2.47	558 km	
50% Exclusion RSS 2.47 mV/m			Requires Protection of 1.207 mV/m					
ZYJ224	O ()	1590 BR NO, ARAUCARIA			LIC. NEXT	LIM:1.142	717 km	
ZYI403	O C ()	O NO, ELDORADO	23-47-00	54-17-00	-			
ZYJ316	O ()	1590 BR NO, FAXINAL			LIM:1.653	RSS:1.65	305 km	
ALLOC	P ()	1590 BR NO, ALVARES MACH			LIM:1.559	RSS:2.27	293 km	
ZYJ296	O ()	1590 BR ES, CAP LEONIDAS			LIM:1.547	RSS:2.75	268 km	
ALLOC	P ()	1590 BR NO, IPORA D OEST			LIM:1.525	RSS:3.14	319 km	
50% Exclusion RSS 3.14 mV/m			Requires Protection of 1.525 mV/m					
ZYJ799	O ()	1590 BR NO, PONTE SERRAD			LIC. NEXT	LIM:1.514	399 km	
ZYJ316	O C ()	P NO, FAXINAL	23-59-00	51-20-00	-			
ALLOC	P ()	1590 BR NO, CABREUVA			LIM:1.948	RSS:1.95	439 km	
ZYJ290	O ()	1590 BR NO, ANDIRA			LIM:1.825	RSS:2.67	155 km	
ZYJ224	O ()	1590 BR NO, ARAUCARIA			LIM:1.605	RSS:3.11	331 km	
ALLOC	P ()	1590 BR NO, VARZEA D PAL			LIM:1.582	RSS:3.49	932 km	
50% Exclusion RSS 3.49 mV/m			Requires Protection of 1.582 mV/m					
ZYJ799	O ()	1590 BR NO, PONTE SERRAD			LIC. NEXT	LIM:1.575	351 km	
ALLOC	P C ()	P NO, IPORA D OEST	26-59-18	53-32-07	-			
ZYJ799	O ()	1590 BR NO, PONTE SERRAD			LIM:1.826	RSS:1.83	157 km	
ZYK281	O ()	1590 BR NO, PORTO LUCENA			LIM:1.777	RSS:2.55	195 km	
ALLOC	P ()	1590 BR NO, CABREUVA			LIM:1.553	RSS:2.98	700 km	
ZYI403	O ()	1590 BR NO, ELDORADO			LIM:1.526	RSS:3.35	319 km	
50% Exclusion RSS 3.35 mV/m			Requires Protection of 1.526 mV/m					
CX159	O ()	1590 UY NO, COLONIA			LIC. NEXT	LIM:1.522	1035 km	

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ALLOC P C () P NO, ITAPAGIPE	19-55-00	49-23-00	-	
ALLOC P () 1590 BR NO, VARZEA D PAL	LIM:2.529	RSS:2.53	528 km	
ZYJ316 O () 1590 BR NO, FAXINAL	LIM:1.412	RSS:2.90	482 km	
50% Exclusion RSS 2.90 mV/m	Requires Protection of 1.412 mV/m			
ALLOC P () 1590 BR NO, S CARLOS SP	LIC. NEXT	LIM:1.353	459 km	
ZYJ801 O C () O NO, ITUPORANGA	27-24-00	49-35-00	-	
ALLOC P () 1590 BR NO, JOINVILLE	LIM:1.989	RSS:1.99	124 km	
ZYJ224 O () 1590 BR NO, ARAUCARIA	LIM:1.713	RSS:2.63	243 km	
ZYJ799 O () 1590 BR NO, PONTE SERRAD	LIM:1.659	RSS:3.11	290 km	
50% Exclusion RSS 3.11 mV/m	Requires Protection of 1.659 mV/m			
ALLOC P () 1590 BR NO, CAPAO BONITO	LIC. NEXT	LIM:1.535	314 km	
ALLOC P C () O NO, JIQUIRICA	13-15-00	39-34-00	-	
ALLOC P () 1590 BR NO, VARZEA D PAL	LIM:2.192	RSS:2.19	688 km	
ZYI796 O () 1590 BR NO, BEZERROS	LIM:1.169	RSS:2.48	698 km	
50% Exclusion RSS 2.48 mV/m	Requires Protection of 1.169 mV/m			
ZYH633 O () 1590 BR NO, CEDRO	LIC. NEXT	LIM:1.006	819 km	
ALLOC P C () O NO, JOINVILLE	26-18-00	48-51-00	-	
ALLOC P () 1590 BR NO, CABREUVA	LIM:2.059	RSS:2.06	377 km	
ZYJ801 O () 1590 BR NO, ITUPORANGA	LIM:1.943	RSS:2.83	124 km	
ZYJ224 O () 1590 BR NO, ARAUCARIA	LIM:1.824	RSS:3.37	153 km	
50% Exclusion RSS 3.37 mV/m	Requires Protection of 1.824 mV/m			
ALLOC P () 1590 BR NO, CAPAO BONITO	LIC. NEXT	LIM:1.675	195 km	
ZYJ799 O C () O NO, PONTE SERRAD	26-52-00	51-59-00	-	
ALLOC P () 1590 BR NO, CABREUVA	LIM:1.759	RSS:1.76	563 km	
ZYJ224 O () 1590 BR NO, ARAUCARIA	LIM:1.680	RSS:2.43	273 km	
ZYJ801 O () 1590 BR NO, ITUPORANGA	LIM:1.659	RSS:2.94	290 km	
ALLOC P () 1590 BR NO, JOINVILLE	LIM:1.658	RSS:3.38	321 km	
50% Exclusion RSS 3.38 mV/m	Requires Protection of 1.658 mV/m			
ZYJ290 O () 1590 BR NO, ANDIRA	LIC. NEXT	LIM:1.647	299 km	
ZYK281 O C () A NO, PORTO LUCENA	27-51-00	55-01-00	-	
CX159 O () 1590 UY NO, COLONIA	LIM:1.953	RSS:1.95	865 km	
ALLOC P () 1590 BR NO, IPORA D OEST	LIM:1.670	RSS:2.57	195 km	
ZYJ799 O () 1590 BR NO, PONTE SERRAD	LIM:1.615	RSS:3.03	325 km	
LRK364 P () 1590 AR NO, SUMAMPA	LIM:1.578	RSS:3.42	880 km	
50% Exclusion RSS 3.42 mV/m	Requires Protection of 1.578 mV/m			
ZYJ296 O () 1590 BR ES, CAP LEONIDAS	LIC. NEXT	LIM:1.572	229 km	
ALLOC P C () P NO, PRAIA GRANDE	24-00-00	46-15-00	-	
ALLOC P () 1590 BR NO, CABREUVA	LIM:2.428	RSS:2.43	172 km	
ZYJ224 O () 1590 BR NO, ARAUCARIA	LIM:1.617	RSS:2.92	323 km	
ALLOC P () 1590 BR NO, RESENDE 1	LIM:1.608	RSS:3.33	330 km	
50% Exclusion RSS 3.33 mV/m	Requires Protection of 1.575 mV/m			
ZYJ290 O () 1590 BR NO, ANDIRA	LIC. NEXT	LIM:1.484	423 km	
ALLOC P C () L NO, RESENDE 1	22-28-00	44-27-00	-	
ALLOC P () 1590 BR NO, VARZEA D PAL	LIM:2.442	RSS:2.44	572 km	
ZYJ485 O () 1590 BR NO, DUQ DE CAXIA	LIM:1.948	RSS:3.12	122 km	
ALLOC P () 1590 BR NO, UBA 1	LIM:1.716	RSS:3.56	173 km	
50% Exclusion RSS 3.56 mV/m	Requires Protection of 1.322 mV/m			
ZYJ224 O () 1590 BR NO, ARAUCARIA	LIC. NEXT	LIM:1.283	599 km	
ALLOC P C () L NO, S CARLOS SP	22-02-00	47-54-00	-	
ALLOC P () 1590 BR NO, CABREUVA	LIM:2.629	RSS:2.63	112 km	
ZYJ290 O () 1590 BR NO, ANDIRA	LIM:1.688	RSS:3.12	264 km	
ALLOC P () 1590 BR NO, CAPAO BONITO	LIM:1.635	RSS:3.53	230 km	
50% Exclusion RSS 3.53 mV/m	Requires Protection of 1.635 mV/m			
ZYJ224 O () 1590 BR NO, ARAUCARIA	LIC. NEXT	LIM:1.632	312 km	
ALLOC P C () L NO, UBA 1	21-07-00	42-56-00	-	
ALLOC P () 1590 BR NO, VARZEA D PAL	LIM:2.518	RSS:2.52	533 km	
50% Exclusion RSS 2.52 mV/m	Requires Protection of 1.149 mV/m			
ZYJ485 O () 1590 BR NO, DUQ DE CAXIA	LIC. NEXT	LIM:1.126	56 km	

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Auburn Broadcasting Inc. 1590 kHz RSS Protection Limits 50% Exclusion Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014							
ALLOC P B () L NO, VARZEA D PAL	17-36-00	44-44-00	-				
ALLOC P () 1590 BR NO, CABREUVA		LIM:1.471	RSS:1.47	742 km			
ZYJ485 O () 1590 BR NO, DUQ DE CAXIA		LIM:1.326	RSS:1.98	558 km			
ALLOC P () 1590 BR NO, RESENDE 1		LIM:1.312	RSS:2.38	572 km			
50% Exclusion RSS 2.38 mV/m		Requires Protection of 0.897 mV/m					
ZYJ290 O () 1590 BR NO, ANDIRA		LIC. NEXT	LIM:0.857	930 km			
CP 155 O B () L NO, BERMEJO	22-42-00	64-22-00	-				
LRK364 P () 1590 AR NO, SUMAMPA		LIM:1.708	RSS:1.71	820 km			
CP 118 O () 1590 BL NO, VIACHA		LIM:1.180	RSS:2.08	694 km			
50% Exclusion RSS 2.08 mV/m		Requires Protection of 1.180 mV/m					
CB 159 O () 1590 CI NO, SAN FELIPE		LIC. NEXT	LIM:0.989	1271 km			
CP 118 O B () L NO, VIACHA	16-40-00	66-18-00	-				
OAZ4Z O () 1590 PE NO, AGRICULTURA		LIM:2.400	RSS:2.40	1227 km			
50% Exclusion RSS 2.40 mV/m		Requires Protection of 2.400 mV/m					
CP 155 O () 1590 BL NO, BERMEJO		LIC. NEXT	LIM:1.180	694 km			
CD 159 O C () A NO, PARRAL	36-15-00	71-40-00	-				
CB 159 O () 1590 CI NO, SAN FELIPE		LIM:2.767	RSS:2.77	512 km			
CD159 P () 1590 CI NO, VALDIVIA 5		LIM:2.384	RSS:3.65	306 km			
LRJ365 P () 1590 AR NO, RIO CUARTO		LIM:1.846	RSS:4.09	743 km			
50% Exclusion RSS 4.09 mV/m		Requires Protection of 1.846 mV/m					
CC 159 O () 1590 CI NO, RENGÓ		LIC. NEXT	LIM:1.768	248 km			
CC 159 O C () A NO, RENGÓ	34-23-00	70-52-00	-				
CB 159 O () 1590 CI NO, SAN FELIPE		LIM:3.478	RSS:3.48	267 km			
LRJ365 P () 1590 AR NO, RIO CUARTO		LIM:2.035	RSS:4.03	610 km			
50% Exclusion RSS 4.03 mV/m		Requires Protection of 2.035 mV/m					
CD159 P () 1590 CI NO, VALDIVIA 5		LIC. NEXT	LIM:1.901	552 km			
CB 159 O C () L NO, SAN FELIPE	32-47-00	70-43-00	-				
LRJ365 P () 1590 AR NO, RIO CUARTO		LIM:2.020	RSS:2.02	626 km			
LRK364 P () 1590 AR NO, SUMAMPA		LIM:1.826	RSS:2.72	754 km			
CC 159 O () 1590 CI NO, RENGÓ		LIM:1.745	RSS:3.23	267 km			
50% Exclusion RSS 3.23 mV/m		Requires Protection of 1.745 mV/m					
CD159 P () 1590 CI NO, VALDIVIA 5		LIC. NEXT	LIM:1.444	810 km			
CMNM O C () L NO, MANZANILLO	20-20-00	77-08-00	-				
WRXB L () 1590 US FL, ST. PETERSBURG B		LIM:1.766	RSS:1.77	997 km			
WG YA L () 1590 US PR, GUAYAMA		LIM:1.201	RSS:2.14	1184 km			
HIDA O () 1590 DR NO, SANTIAGO 6		LIM:1.195	RSS:2.45	682 km			
50% Exclusion RSS 2.45 mV/m		Requires Protection of 1.195 mV/m					
WG YA L () 1590 US PR, GUAYAMA		LIC. NEXT	LIM:1.189	1187 km			
HIDA O C () L NO, SANTIAGO 6	19-25-00	70-41-00	-				
WG YA L () 1590 US PR, GUAYAMA		LIM:2.854	RSS:2.85	505 km			
CMNM O () 1590 CU NO, MANZANILLO		LIM:1.582	RSS:3.26	682 km			
50% Exclusion RSS 3.26 mV/m		Requires Protection of 1.582 mV/m					
WRXB L () 1590 US FL, ST. PETERSBURG B		LIC. NEXT	LIM:0.892	1532 km			
HCAS2 O C () L NO, LIBERTAD	-2-13-16	80-52-00	-				
HCOT6 O () 1590 EC NO, PANAMERICANA		LIM:3.445	RSS:3.44	283 km			
OAZ4Z O () 1590 PE NO, AGRICULTURA		LIM:2.508	RSS:4.26	1201 km			
50% Exclusion RSS 4.26 mV/m		Requires Protection of 2.508 mV/m					
HJJQ O () 1590 CO NO, ZARZAL		LIC. NEXT	LIM:1.944	851 km			
HCOT6 O C () L NO, PANAMERICANA	-1-21-00	78-35-00	-				
HJJQ O () 1590 CO NO, ZARZAL		LIM:2.571	RSS:2.57	607 km			
HCAS2 O () 1590 EC NO, LIBERTAD		LIM:2.435	RSS:3.54	283 km			
OAZ4Z O () 1590 PE NO, AGRICULTURA		LIM:2.253	RSS:4.20	1263 km			
50% Exclusion RSS 4.20 mV/m		Requires Protection of 2.253 mV/m					
OCX4I O () 1590 PE NO, HUAYLLAY		LIC. NEXT	LIM:1.161	1177 km			
TGXC O B () L NO, TRIUNFADORA	14-34-00	90-49-00	-				
YNAW P () 1590 NU NO, RADIO COLINA		LIM:2.693	RSS:2.69	546 km			
XEART P (A) 1590 MX ML, ZACATEPEC		LIM:1.959	RSS:3.33	1001 km			
KMIC L () 1590 US TX, HOUSTON		LIM:1.720	RSS:3.75	1764 km			
50% Exclusion RSS 3.75 mV/m		Requires Protection of 1.720 mV/m					
XE0067 O (A) 1590 MX GT, IRAPUATO		LIC. NEXT	LIM:0.849	1306 km			

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YNAW	P C ()	L NO, RADIO COLINA	13-05-00	86-00-00	-			
TXGC	O ()	1590 GT NO, TRIUNFADORA		LIM:2.704		RSS:2.70		546 km
50% Exclusion		RSS 2.70 mV/m	Requires Protection of 2.704 mV/m					
KMIC	L ()	1590 US TX, HOUSTON		LIC. NEXT		LIM:1.246		2102 km
OAZ4Z	O C ()	L NO, AGRICULTURA	12-05-00	77-06-00	-			
OCX4I	O ()	1590 PE NO, HUAYLLAY		LIM:4.086		RSS:4.09		131 km
50% Exclusion		RSS 4.09 mV/m	Requires Protection of 4.086 mV/m					
HCOT6	O ()	1590 EC NO, PANAMERICANA		LIC. NEXT		LIM:1.006		1263 km
OCX4I	O C ()	A NO, HUAYLLAY	11-00-00	76-20-00	-			
OAZ4Z	O ()	1590 PE NO, AGRICULTURA		LIM:9.185		RSS:9.18		131 km
50% Exclusion		RSS 9.18 mV/m	Requires Protection of 9.185 mV/m					
HCOT6	O ()	1590 EC NO, PANAMERICANA		LIC. NEXT		LIM:1.166		1177 km
CX159	O B ()	A NO, COLONIA	34-27-00	57-47-00	-			
LRJ365	P ()	1590 AR NO, RIO CUARTO		LIM:2.029		RSS:2.03		617 km
LRK364	P ()	1590 AR NO, SUMAMPA		LIM:1.796		RSS:2.71		770 km
CV159	O ()	1590 UY NO, CONSTITUCION		LIM:1.710		RSS:3.20		290 km
50% Exclusion		RSS 3.20 mV/m	Requires Protection of 1.710 mV/m					
CV 150	O ()	1590 UY NO, LASCANO		LIC. NEXT		LIM:1.598		361 km
CV159	O C ()	L NO, CONSTITUCION	31-04-00	57-50-00	-			
CX159	O ()	1590 UY NO, COLONIA		LIM:3.247		RSS:3.25		290 km
LRK364	P ()	1590 AR NO, SUMAMPA		LIM:2.042		RSS:3.84		602 km
LRJ365	P ()	1590 AR NO, RIO CUARTO		LIM:1.991		RSS:4.32		653 km
50% Exclusion		RSS 4.32 mV/m	Requires Protection of 1.991 mV/m					
CV 150	O ()	1590 UY NO, LASCANO		LIC. NEXT		LIM:1.577		376 km
CV 150	O C ()	P NO, LASCANO	33-41-00	54-13-00	-			
CX159	O ()	1590 UY NO, COLONIA		LIM:3.123		RSS:3.12		361 km
ZYK212	O ()	1590 BR NO, BAGE		LIM:1.806		RSS:3.61		181 km
50% Exclusion		RSS 3.61 mV/m	Requires Protection of 1.806 mV/m					
CV159	O ()	1590 UY NO, CONSTITUCION		LIC. NEXT		LIM:1.577		376 km
CX159A	O C ()	O NO, PASO TOROS	32-47-00	56-29-00	-			
CX159	O ()	1590 UY NO, COLONIA		LIM:3.252		RSS:3.25		286 km
CV159	O ()	1590 UY NO, CONSTITUCION		LIM:2.053		RSS:3.85		133 km
50% Exclusion		RSS 3.85 mV/m	Requires Protection of 2.053 mV/m					
LRK364	P ()	1590 AR NO, SUMAMPA		LIC. NEXT		LIM:1.865		733 km
KELP	L B ()	L TX, EL PASO	31-44-38	106-23-45	BL-19960530AD			
XEDM	P (A)	1580 MX SO, HERMOSILLO		LIM:5.371		RSS:5.37		530 km
KDAV	L ()	1590 US TX, LUBBOCK		LIM:4.589		RSS:7.06		476 km
KMIK	L (AA)	1580 US AZ, TEMPE		LIM:3.873		RSS:8.06		544 km
50% Exclusion		RSS 8.06 mV/m						
XECSE	O (A)	1590 MX SI, CULIACAN		LIM:3.124		RSS:8.64		772 km
XE	P (A)	1590 MX SO, CD.OBREGON		LIM:3.053		RSS:9.16		587 km
XEHC	O (A)	1590 MX BN, ENSENADA		LIM:2.760		RSS:9.57		967 km
XEPNA	O (A)	1590 MX NA, TEPIC		LIM:2.564		RSS:9.91		1147 km
KDAE	L ()	1590 US TX, SINTON		LIM:2.525		RSS:10.23		954 km
25% Exclusion		RSS 10.23 mV/m	Requires Protection of 2.525 mV/m					
XE	P (A)	1590 MX SL, MATEHUALA		LIC. NEXT		LIM:2.001		1064 km
NEW	P AA(A)	L NT, YELLOWKNIFE	62-30-00	114-20-00	-			
KLFE	L (AA)	1590 US WA, SEATTLE		LIM:1.285		RSS:1.28		1727 km
	KVGB	CLASS-A 0.5 mV/m Contour						

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Auburn Broadcasting Inc.
1590 kHz RSS Protection Limits 50% Exclusion
Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014

KLIV	L B (A)	L CA, SAN JOSE	37-19-45 121-51-23	BL-			
XEHC	O (A)	1590 MX BN, ENSENADA	LIM:3.757	RSS:3.76		774 km	
KGST	L ()	1600 US CA, FRESNO	LIM:2.709	RSS:4.63		192 km	
50% Exclusion RSS 4.63 mV/m							
KVTA	L ()	1590 US CA, VENTURA	LIM:2.046	RSS:5.06		419 km	
XEYX	O (A)	1590 MX BN, MEXICALI	LIM:2.040	RSS:5.46		774 km	
KDAV	L ()	1590 US TX, LUBBOCK	LIM:1.862	RSS:5.77		1864 km	
KMIK	L(AA)	1580 US AZ, TEMPE	LIM:1.777	RSS:6.04		1005 km	
KBLA	L ()	1580 US CA, SANTA MONICA	LIM:1.699	RSS:6.27		485 km	
KELP	L ()	1590 US TX, EL PASO	LIM:1.689	RSS:6.49		1544 km	
KVGB	L ()	1590 US KS, GREAT BEND	LIM:1.665	RSS:6.70		2023 km	
25% Exclusion RSS 1.665 mV/m Requires Protection of 1.665 mV/m							
KUBA	L ()	1600 US CA, YUBA CITY	LIC. NEXT	LIM:1.585		198 km	
KVTA	L B ()	L CA, VENTURA	34-14-13 119-12-09	BL-19970312AB			
KBLA	L ()	1580 US CA, SANTA MONICA	LIM:8.869	RSS:8.87		89 km	
XEHC	O (A)	1590 MX BN, ENSENADA	LIM:8.864	RSS:12.54		357 km	
50% Exclusion RSS 12.54 mV/m							
XEYX	O (A)	1590 MX BN, MEXICALI	LIM:4.663	RSS:13.38		381 km	
KLIV	L(A)	1590 US CA, SAN JOSE	LIM:4.227	RSS:14.03		419 km	
25% Exclusion RSS 14.03 mV/m Requires Protection of 3.508 mV/m							
ALLOC	C ()	1590 US NV, PARADISE	LIC. NEXT	LIM:3.460		414 km	
WKTP	L B ()	L TN, JONESBOROUGH	36-19-54 82-28-27	BL-20000406AAW			
WNTS	L ()	1590 US IN, BEECH GROVE	LIM:3.701	RSS:3.70		494 km	
WFBR	L ()	1590 US MD, GLEN BURNIE	LIM:3.481	RSS:5.08		604 km	
50% Exclusion RSS 5.08 mV/m							
WAKR	L ()	1590 US OH, AKRON	LIM:1.789	RSS:5.39		528 km	
WIJK	L(AUU)	1590 US MD, OCEAN CITY	LIM:1.605	RSS:5.62		689 km	
WPWA	L ()	1590 US PA, CHESTER	LIM:1.441	RSS:5.80		729 km	
25% Exclusion RSS 5.80 mV/m Requires Protection of 1.441 mV/m							
WCGO	L ()	1590 US IL, EVANSTON	LIC. NEXT	LIM:1.374		777 km	
KDAV	L B ()	L TX, LUBBOCK	33-31-15 101-46-27	BL-20000222ACG			
KMIC	L ()	1590 US TX, HOUSTON	LIM:2.737	RSS:2.74		725 km	
KELP	L ()	1590 US TX, EL PASO	LIM:2.434	RSS:3.66		476 km	
XEDM	P (A)	1580 MX SO, HERMOSILLO	LIM:2.339	RSS:4.35		1003 km	
KVGB	L ()	1590 US KS, GREAT BEND	LIM:2.176	RSS:4.86		597 km	
50% Exclusion RSS 4.86 mV/m							
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:1.900	RSS:5.22		1370 km	
XE	P (A)	1590 MX SL, MATEHUALA	LIM:1.839	RSS:5.53		1104 km	
XECSE	O (A)	1590 MX SI, CULIACAN	LIM:1.823	RSS:5.83		1107 km	
XEACH	P (A)	1590 MX NL, MONTERREY	LIM:1.753	RSS:6.08		885 km	
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:1.678	RSS:6.31		1429 km	
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:1.646	RSS:6.52		1422 km	
25% Exclusion RSS 6.52 mV/m Requires Protection of 1.630 mV/m							
KRVA	L ()	1600 US TX, COCKRELL HILL	LIC. NEXT	LIM:1.561		479 km	
WPWA	L B ()	L PA, CHESTER	39-52-39 75-27-23	BML-20020708ABF			
WAKR	L ()	1590 US OH, AKRON	LIM:9.442	RSS:9.44		527 km	
50% Exclusion RSS 9.44 mV/m							
WIJK	L(AUU)	1590 US MD, OCEAN CITY	LIM:3.811	RSS:10.18		166 km	
WAUB	L(A)	1590 US NY, AUBURN	LIM:3.513	RSS:10.77		350 km	
CKDO	O(A)	1580 CA ON, OSHAWA	LIM:2.846	RSS:11.14		522 km	
25% Exclusion RSS 11.14 mV/m Requires Protection of 2.785 mV/m							
WFBR	L ()	1590 US MD, GLEN BURNIE	LIC. NEXT	LIM:2.392		127 km	
XEHC	O B (A)	L BN, ENSENADA	31-51-10 116-38-09	-			
KVTA	L ()	1590 US CA, VENTURA	LIM:12.712	RSS:12.71		357 km	
50% Exclusion RSS 12.71 mV/m Requires Protection of 12.712 mV/m							
XEYX	O (A)	1590 MX BN, MEXICALI	LIC. NEXT	LIM:5.079		131 km	
XEYX	O B (A)	L BN, MEXICALI	32-37-40 115-34-48	-			
XEHC	O (A)	1590 MX BN, ENSENADA	LIM:8.260	RSS:8.26		131 km	
50% Exclusion RSS 8.26 mV/m Requires Protection of 8.260 mV/m							
ALLOC	C ()	1590 US NV, PARADISE	LIC. NEXT	LIM:3.454		375 km	

Auburn Broadcasting Inc. 1590 kHz RSS Protection Limits 50% Exclusion Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014						
XE0067	O B (A)	L GT, IRAPUATO	20-40-28 101-20-51	-		
XE	P (A)	1590 MX MC, APATZINGAN	LIM:8.987	RSS:8.99	200 km	
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:7.651	RSS:11.80	380 km	
XEAGA	O (A)	1590 MX AG, AGUASCALIENTES	LIM:6.799	RSS:13.62	166 km	
50% Exclusion RSS 13.62 mV/m		Requires Protection of 6.799 mV/m				
XE	P (A)	1590 MX SL, MATEHUALA	LIC. NEXT	LIM:5.747	336 km	
NEW	A B ()	L TX, KERRVILLE	30-04-51	99-06-32 BNP-20040129AAO		
KDAV	L ()	1590 US TX, LUBBOCK	LIM:5.895	RSS:5.90	458 km	
KMIC	L ()	1590 US TX, HOUSTON	LIM:5.052	RSS:7.76	354 km	
KELP	L ()	1590 US TX, EL PASO	LIM:4.092	RSS:8.78	719 km	
50% Exclusion RSS 8.78 mV/m						
XEACH	P (A)	1590 MX NL, MONTERREY	LIM:3.715	RSS:9.53	501 km	
KDAE	L ()	1590 US TX, SINTON	LIM:3.597	RSS:10.19	279 km	
XE	P (A)	1590 MX SL, MATEHUALA	LIM:3.387	RSS:10.73	732 km	
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:2.702	RSS:11.07	1070 km	
25% Exclusion RSS 11.07 mV/m		Requires Protection of 2.702 mV/m				
XEPNA	O (A)	1590 MX NA, TEPIC	LIC. NEXT	LIM:2.698	1114 km	
XEIRG	P B (O)	L GT, POZO DE PARRAS	20-44-03 101-22-06	-		
XE	P (A)	1590 MX MC, APATZINGAN	LIM:8.950	RSS:8.95	205 km	
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:7.678	RSS:11.79	376 km	
XEAGA	O (A)	1590 MX AG, AGUASCALIENTES	LIM:6.822	RSS:13.62	159 km	
50% Exclusion RSS 13.62 mV/m		Requires Protection of 6.822 mV/m				
XE	P (A)	1590 MX SL, MATEHUALA	LIC. NEXT	LIM:5.784	330 km	
XEIRG	P B (A)	P GT, POZO DE PARRAS	20-44-03 101-22-06	-		
XE	P (A)	1590 MX MC, APATZINGAN	LIM:8.950	RSS:8.95	205 km	
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:7.678	RSS:11.79	376 km	
XEAGA	O (A)	1590 MX AG, AGUASCALIENTES	LIM:6.822	RSS:13.62	159 km	
50% Exclusion RSS 13.62 mV/m		Requires Protection of 6.822 mV/m				
XE	P (A)	1590 MX SL, MATEHUALA	LIC. NEXT	LIM:5.784	330 km	
NEW	A B ()	P TX, KERRVILLE	30-04-52	99-07-37 BNP-20041216ADZ		
KDAV	L ()	1590 US TX, LUBBOCK	LIM:5.897	RSS:5.90	457 km	
KMIC	L ()	1590 US TX, HOUSTON	LIM:5.012	RSS:7.74	355 km	
KELP	L ()	1590 US TX, EL PASO	LIM:4.110	RSS:8.76	717 km	
50% Exclusion RSS 8.76 mV/m						
XEACH	P (A)	1590 MX NL, MONTERREY	LIM:3.717	RSS:9.52	500 km	
KDAE	L ()	1590 US TX, SINTON	LIM:3.644	RSS:10.19	280 km	
XE	P (A)	1590 MX SL, MATEHUALA	LIM:3.389	RSS:10.74	732 km	
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:2.704	RSS:11.08	1069 km	
25% Exclusion RSS 11.08 mV/m		Requires Protection of 2.704 mV/m				
XEPNA	O (A)	1590 MX NA, TEPIC	LIC. NEXT	LIM:2.702	1113 km	
KMIC	L B ()	O TX, HOUSTON	29-50-38	95-26-51 BML-20080324AJL		
KDAV	L ()	1590 US TX, LUBBOCK	LIM:3.122	RSS:3.12	725 km	
KDAE	L ()	1590 US TX, SINTON	LIM:2.926	RSS:4.28	283 km	
WALG	L ()	1590 US GA, ALBANY	LIM:2.846	RSS:5.14	1097 km	
XE	P (A)	1590 MX SL, MATEHUALA	LIM:2.721	RSS:5.81	861 km	
50% Exclusion RSS 5.81 mV/m						
XEACH	P (A)	1590 MX NL, MONTERREY	LIM:2.691	RSS:6.41	658 km	
KVGB	L ()	1590 US KS, GREAT BEND	LIM:2.678	RSS:6.94	991 km	
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:2.337	RSS:7.33	1179 km	
XENVA2	P (A)	1590 MX TA, MATAMOROS	LIM:2.319	RSS:7.69	503 km	
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:2.289	RSS:8.02	1174 km	
WRXB	L ()	1590 US FL, ST. PETERSBURG B	LIM:2.180	RSS:8.31	1265 km	
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:2.078	RSS:8.57	1323 km	
25% Exclusion RSS 8.57 mV/m		Requires Protection of 2.078 mV/m				
WNTS	L ()	1590 US IN, BEECH GROVE	LIC. NEXT	LIM:2.060	1391 km	
ALLOC	C B ()	A NV, PARADISE	35-59-30	115-11-35 BNP-20051031ADY		
KVTA	L ()	1590 US CA, VENTURA	LIM:14.223	RSS:14.22	414 km	
50% Exclusion RSS 14.22 mV/m						
XEHC	O (A)	1590 MX BN, ENSENADA	LIM:6.760	RSS:15.75	479 km	
XEYX	O (A)	1590 MX BN, MEXICALI	LIM:4.736	RSS:16.44	376 km	
KMIK	L(AA)	1580 US AZ, TEMPE	LIM:4.544	RSS:17.06	417 km	
25% Exclusion RSS 17.06 mV/m		Requires Protection of 4.265 mV/m				
KELP	L ()	1590 US TX, EL PASO	LIC. NEXT	LIM:4.111	939 km	

Auburn Broadcasting Inc.						
1590 kHz RSS Protection Limits 50% Exclusion						
Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014						
XEFP	P B (O)	L ZA, JALPA	21-39-37	102-56-40	-	
XEPNA	O (A)	1590 MX NA, TEPIC	LIM:9.020	RSS:9.02		203 km
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:8.562	RSS:12.44		199 km
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:8.316	RSS:14.96		193 km
XE	P (A)	1590 MX MC, APATZINGAN	LIM:8.063	RSS:17.00		294 km
50% Exclusion RSS 17.00 mV/m			Requires Protection of 5.830 mV/m			
XEAGA	O (A)	1590 MX AG, AGUASCALIENTES	LIC. NEXT	LIM:5.505		71 km
WAUB	L B (A)	L NY, AUBURN	42-54-34	76-36-09	BMM-20120206ADW	
WAKR	L ()	1590 US OH, AKRON	LIM:15.068	RSS:15.07		456 km
WFBR	L ()	1590 US MD, GLEN BURNIE	LIM:11.303	RSS:18.84		415 km
50% Exclusion RSS 18.84 mV/m						
CKDO	O (A)	1580 CA ON, OSHAWA	LIM:5.374	RSS:19.59		205 km
25% Exclusion RSS 19.59 mV/m			Requires Protection of 4.897 mV/m			
WPWA	L ()	1590 US PA, CHESTER	LIC. NEXT	LIM:2.515		350 km
WGBW	L B ()	WI, DENMARK	44-18-50	87-47-16	BMM-20120803ABX	
WCGO	L ()	1590 US IL, EVANSTON	LIM:31.985	RSS:31.99		255 km
50% Exclusion RSS 31.99 mV/m						
WTVB	L ()	1590 US MI, COLDWATER	LIM:14.919	RSS:35.29		350 km
WAKR	L ()	1590 US OH, AKRON	LIM:11.745	RSS:37.20		630 km
25% Exclusion RSS 37.20 mV/m			Requires Protection of 9.299 mV/m			
WPVL	L ()	1590 US WI, PLATTEVILLE	LIC. NEXT	LIM:8.683		279 km
KTIL	L B ()	OR, NETARTS	45-27-25	123-52-19	BL-20130304ACS	
KLFE	L (AA)	1590 US WA, SEATTLE	LIM:6.352	RSS:6.35		265 km
50% Exclusion RSS 6.35 mV/m						
KLIV	L (A)	1590 US CA, SAN JOSE	LIM:3.116	RSS:7.07		919 km
KVGB	L ()	1590 US KS, GREAT BEND	LIM:1.919	RSS:7.33		2211 km
25% Exclusion RSS 7.33 mV/m			Requires Protection of 1.833 mV/m			
KGAL	L (A)	1580 US OR, LEBANON	LIC. NEXT	LIM:1.618		124 km
KLFE	A B ()	WA, SEATTLE	47-39-19	122-31-06	BP-20130919ADI	
KTIL	L ()	1590 US OR, NETARTS	LIM:4.332	RSS:4.33		265 km
NEW	P (A)	1580 CA AB, EDMONTON	LIM:2.223	RSS:4.87		916 km
50% Exclusion RSS 4.87 mV/m						
KLIV	L (A)	1590 US CA, SAN JOSE	LIM:2.167	RSS:5.33		1149 km
NEW	P (A)	1580 CA AB, EDMONTON	LIM:2.061	RSS:5.71		916 km
KVGB	L ()	1590 US KS, GREAT BEND	LIM:1.983	RSS:6.05		2179 km
25% Exclusion RSS 6.05 mV/m			Requires Protection of 1.512 mV/m			
ALLOC	C ()	1590 US NV, PARADISE	LIC. NEXT	LIM:1.344		1430 km
KDAE	L B ()	TX, SINTON	28-01-16	97-28-14	BML-20131113BUY	
KMIC	L ()	1590 US TX, HOUSTON	LIM:7.444	RSS:7.44		283 km
XEACH	P (A)	1590 MX NL, MONTERREY	LIM:4.997	RSS:8.97		376 km
XE	P (A)	1590 MX SL, MATEHUALA	LIM:4.578	RSS:10.07		582 km
50% Exclusion RSS 10.07 mV/m						
XENVA2	P (A)	1590 MX TA, MATAMOROS	LIM:4.063	RSS:10.86		258 km
KDAV	L ()	1590 US TX, LUBBOCK	LIM:3.980	RSS:11.56		737 km
KELP	L ()	1590 US TX, EL PASO	LIM:3.567	RSS:12.10		954 km
XE0067	O (A)	1590 MX GT, IRAPUATO	LIM:3.480	RSS:12.59		906 km
XEIRG	P (A)	1590 MX GT, POZO DE PARRAS	LIM:3.414	RSS:13.05		901 km
25% Exclusion RSS 13.05 mV/m			Requires Protection of 3.261 mV/m			
XEPNA	O (A)	1590 MX NA, TEPIC	LIC. NEXT	LIM:3.036		1041 km
WPVL	L B ()	WI, PLATTEVILLE	42-45-20	90-30-20	BMM-20131216EKD	
WTVB	L ()	1590 US MI, COLDWATER	LIM:7.330	RSS:7.33		462 km
WAKR	L ()	1590 US OH, AKRON	LIM:6.796	RSS:10.00		769 km
WCGO	L ()	1590 US IL, EVANSTON	LIM:6.298	RSS:11.82		244 km
50% Exclusion RSS 11.82 mV/m						
KWBG	L ()	1590 US IA, BOONE	LIM:4.788	RSS:12.75		289 km
KVGB	L ()	1590 US KS, GREAT BEND	LIM:3.637	RSS:13.26		856 km
25% Exclusion RSS 13.26 mV/m			Requires Protection of 3.314 mV/m			
WNTS	L ()	1590 US IN, BEECH GROVE	LIC. NEXT	LIM:3.204		499 km

Auburn Broadcasting Inc.
1590 kHz RSS Protection Limits 50% Exclusion
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WCGO	L B ()	IL, EVANSTON	42-01-18	87-42-41	BL-20140618ABP			
WNTS	L ()	1590 US IN, BEECH GROVE			LIM:11.211	RSS:11.21	288 km	
WAKR	L ()	1590 US OH, AKRON			LIM:10.640	RSS:15.46	528 km	
WTVB	L ()	1590 US MI, COLDWATER			LIM:9.869	RSS:18.34	224 km	
50% Exclusion RSS 18.34 mV/m								
25% Exclusion RSS 18.34 mV/m Requires Protection of 4.585 mV/m								
WVNA	L ()	1590 US AL, TUSCUMBIA			LIC. NEXT	LIM:3.603	808 km	
WGVA	L B ()	PR, GUAYAMA	17-57-13	66-06-51	BL-20140326AFG			
HIDA	O ()	1590 DR NO, SANTIAGO 6			LIM:4.106	RSS:4.11	508 km	
WKTP	L ()	1590 US TN, JONESBOROUGH			LIM:2.988	RSS:5.08	2598 km	
50% Exclusion RSS 5.08 mV/m								
ALLOE	O ()	1580 AC NO, JUDGE BAY			LIM:2.172	RSS:5.52	467 km	
CMNM	O ()	1590 CU NO, MANZANILLO			LIM:1.953	RSS:5.86	1187 km	
WRXB	L ()	1590 US FL, ST. PETERSBURG B			LIM:1.701	RSS:6.10	2013 km	
WARV	L(AAU)	1590 US RI, WARWICK			LIM:1.604	RSS:6.31	2692 km	
HJJQ	O ()	1590 CO NO, ZARZAL			LIM:1.588	RSS:6.50	1875 km	
25% Exclusion RSS 6.50 mV/m Requires Protection of 1.588 mV/m								
KMIC	L ()	1590 US TX, HOUSTON			LIC. NEXT	LIM:1.507	3249 km	
ALLOE	A B ()	NV, ENTERPRISE, NV	36-00-40	115-14-28	BMP-20140320AED			
KVTA	L ()	1590 US CA, VENTURA			LIM:14.399	RSS:14.40	411 km	
50% Exclusion RSS 14.40 mV/m								
XEHC	O (A)	1590 MX BN, ENSENADA			LIM:6.747	RSS:15.90	480 km	
XEYX	O (A)	1590 MX BN, MEXICALI			LIM:4.716	RSS:16.59	377 km	
KMIK	L(AA)	1580 US AZ, TEMPE			LIM:4.508	RSS:17.19	421 km	
25% Exclusion RSS 17.19 mV/m Requires Protection of 4.297 mV/m								
KELP	L ()	1590 US TX, EL PASO			LIC. NEXT	LIM:4.079	944 km	
KLFE	A B ()	WA, SEATTLE	47-39-19	122-31-06	BZ-20140214ABU			
KTIL	L ()	1590 US OR, NETARTS			LIM:4.332	RSS:4.33	265 km	
NEW	P(A)	1580 CA AB, EDMONTON			LIM:2.223	RSS:4.87	916 km	
50% Exclusion RSS 4.87 mV/m								
KLIV	L(A)	1590 US CA, SAN JOSE			LIM:2.167	RSS:5.33	1149 km	
NEW	P(A)	1580 CA AB, EDMONTON			LIM:2.061	RSS:5.71	916 km	
KVGB	L ()	1590 US KS, GREAT BEND			LIM:1.983	RSS:6.05	2179 km	
25% Exclusion RSS 6.05 mV/m Requires Protection of 1.512 mV/m								
ALLOE	C ()	1590 US NV, PARADISE			LIC. NEXT	LIM:1.344	1430 km	
WIJK	L B (AUU)	MD, OCEAN CITY	38-24-16	75-07-37	BL-19980608KB			
WPWA	L ()	1590 US PA, CHESTER			LIM:15.259	RSS:15.26	166 km	
WAKR	L ()	1590 US OH, AKRON			LIM:11.763	RSS:19.27	618 km	
50% Exclusion RSS 19.27 mV/m								
WFBR	L ()	1590 US MD, GLEN BURNIE			LIM:7.905	RSS:20.83	155 km	
WKTP	L ()	1590 US TN, JONESBOROUGH			LIM:6.436	RSS:21.80	689 km	
25% Exclusion RSS 21.80 mV/m Requires Protection of 5.449 mV/m								
WAUB	L(A)	1590 US NY, AUBURN			LIC. NEXT	LIM:2.697	516 km	
CD159	P C ()	NO, VALDIVIA 5	39-48-00	73-14-00	-			
CB 159	O ()	1590 CI NO, SAN FELIPE			LIM:2.035	RSS:2.03	810 km	
LRJ365	P ()	1590 AR NO, RIO CUARTO			LIM:1.357	RSS:2.45	997 km	
CC 159	O ()	1590 CI NO, RENO			LIM:1.344	RSS:2.79	552 km	
50% Exclusion RSS 2.79 mV/m Requires Protection of 1.344 mV/m								
CD 159	O ()	1590 CI NO, PARRAL			LIC. NEXT	LIM:1.067	306 km	
HJJQ	O C ()	NO, ZARZAL	4-12-00	76-05-00	-			
HCOT6	O ()	1590 EC NO, PANAMERICANA			LIM:2.571	RSS:2.57	607 km	
HCAS2	O ()	1590 EC NO, LIBERTAD			LIM:1.375	RSS:2.92	851 km	
50% Exclusion RSS 2.92 mV/m Requires Protection of 1.375 mV/m								
OAZ4Z	O ()	1590 PE NO, AGRICULTURA			LIC. NEXT	LIM:0.810	1795 km	

Nighttime Skywave Limits Study
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Auburn Broadcasting Inc.							
1590 kHz RSS Protection Limits 50% Exclusion							
Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014							
WVNA	L B ()	AL, TUSCUMBIA	34-45-24	87-41-10	BL-		
WAKR	L ()	1590 US OH, AKRON			LIM:2.928	RSS:2.93	882 km
WALG	L ()	1590 US GA, ALBANY			LIM:2.552	RSS:3.88	479 km
WCGO	L ()	1590 US IL, EVANSTON			LIM:2.044	RSS:4.39	808 km
50% Exclusion RSS 4.39 mV/m							
WNTS	L ()	1590 US IN, BEECH GROVE			LIM:1.948	RSS:4.80	572 km
WKTP	L ()	1590 US TN, JONESBOROUGH			LIM:1.916	RSS:5.17	503 km
WPVL	L ()	1590 US WI, PLATTEVILLE			LIM:1.910	RSS:5.51	922 km
KMIC	L ()	1590 US TX, HOUSTON			LIM:1.739	RSS:5.78	911 km
WFBR	L ()	1590 US MD, GLEN BURNIE			LIM:1.620	RSS:6.00	1098 km
KDAV	L ()	1590 US TX, LUBBOCK			LIM:1.569	RSS:6.20	1303 km
25% Exclusion RSS 6.20 mV/m Requires Protection of 1.551 mV/m							
WIOI	L(AA)	1580 US GA, COLUMBUS			LIC. NEXT	LIM:1.429	355 km
WRXB	L B ()	FL, ST. PETERSBURG B	27-44-03	82-41-08	BL-19841003AD		
WALG	L ()	1590 US GA, ALBANY			LIM:11.043	RSS:11.04	455 km
50% Exclusion RSS 11.04 mV/m							
KMIC	L ()	1590 US TX, HOUSTON			LIM:4.409	RSS:11.89	1265 km
WKTP	L ()	1590 US TN, JONESBOROUGH			LIM:3.592	RSS:12.42	956 km
25% Exclusion RSS 12.42 mV/m Requires Protection of 3.105 mV/m							
WHTY	L ()	1600 US FL, RIVIERA BEACH			LIC. NEXT	LIM:2.787	275 km
WALG	L B ()	GA, ALBANY	31-37-19	84-09-09	BL-		
WXVI	L ()	1600 US AL, MONTGOMERY			LIM:1.581	RSS:1.58	219 km
WFBR	L ()	1590 US MD, GLEN BURNIE			LIM:1.507	RSS:2.18	1081 km
CMNM	O ()	1590 CU NO, MANZANILLO			LIM:1.265	RSS:2.52	1437 km
50% Exclusion RSS 2.52 mV/m							
TGXC	O ()	1590 GT NO, TRIUNFADORA			LIM:1.132	RSS:2.77	2014 km
YNAW	P ()	1590 NU NO, RADIO COLINA			LIM:1.095	RSS:2.98	2070 km
KMIC	L ()	1590 US TX, HOUSTON			LIM:1.013	RSS:3.14	1097 km
WPVL	L ()	1590 US WI, PLATTEVILLE			LIM:0.993	RSS:3.30	1359 km
WNTS	L ()	1590 US IN, BEECH GROVE			LIM:0.992	RSS:3.44	919 km
WIOI	L(AA)	1580 US GA, COLUMBUS			LIM:0.973	RSS:3.58	125 km
WKTP	L ()	1590 US TN, JONESBOROUGH			LIM:0.972	RSS:3.71	546 km
WRXB	L ()	1590 US FL, ST. PETERSBURG B			LIM:0.935	RSS:3.82	455 km
25% Exclusion RSS 3.82 mV/m Requires Protection of 0.935 mV/m							
WCGO	L ()	1590 US IL, EVANSTON			LIC. NEXT	LIM:0.919	1199 km
WNTS	L B ()	IN, BEECH GROVE	39-44-21	86-05-26	BL-19791113AG		
WAKR	L ()	1590 US OH, AKRON			LIM:9.875	RSS:9.87	414 km
WCGO	L ()	1590 US IL, EVANSTON			LIM:5.195	RSS:11.16	288 km
50% Exclusion RSS 11.16 mV/m							
WVNA	L ()	1590 US AL, TUSCUMBIA			LIM:3.735	RSS:11.77	572 km
WKTP	L ()	1590 US TN, JONESBOROUGH			LIM:3.703	RSS:12.34	494 km
25% Exclusion RSS 12.34 mV/m Requires Protection of 3.084 mV/m							
WPVL	L ()	1590 US WI, PLATTEVILLE			LIC. NEXT	LIM:2.945	499 km
KWBG	L B ()	IA, BOONE	42-01-22	93-52-36	BL-		
KVGB	L ()	1590 US KS, GREAT BEND			LIM:9.194	RSS:9.19	587 km
50% Exclusion RSS 9.19 mV/m							
WAKR	L ()	1590 US OH, AKRON			LIM:3.945	RSS:10.00	1035 km
WPVL	L ()	1590 US WI, PLATTEVILLE			LIM:3.774	RSS:10.69	289 km
WCGO	L ()	1590 US IL, EVANSTON			LIM:3.163	RSS:11.15	509 km
WTVB	L ()	1590 US MI, COLDWATER			LIM:3.159	RSS:11.59	733 km
25% Exclusion RSS 11.59 mV/m Requires Protection of 2.897 mV/m							
KGYM	L ()	1600 US IA, CEDAR RAPIDS			LIC. NEXT	LIM:1.801	194 km
KVGB	L B ()	KS, GREAT BEND	38-18-50	98-47-35	BL-		
KDAV	L ()	1590 US TX, LUBBOCK			LIM:2.200	RSS:2.20	597 km
WAKR	L ()	1590 US OH, AKRON			LIM:1.926	RSS:2.92	1507 km
KVTA	L ()	1590 US CA, VENTURA			LIM:1.594	RSS:3.33	1880 km
50% Exclusion RSS 3.33 mV/m							
KLFE	L(AA)	1590 US WA, SEATTLE			LIM:1.508	RSS:3.66	2179 km
KWBG	L ()	1590 US IA, BOONE			LIM:1.444	RSS:3.93	587 km
KMIC	L ()	1590 US TX, HOUSTON			LIM:1.258	RSS:4.13	991 km
XEDM	P (A)	1580 MX SO, HERMOSILLO			LIM:1.172	RSS:4.29	1523 km
KGYM	L ()	1600 US IA, CEDAR RAPIDS			LIM:1.156	RSS:4.44	739 km
KATZ	L ()	1600 US MO, ST. LOUIS			LIM:1.136	RSS:4.59	759 km
25% Exclusion RSS 4.59 mV/m Requires Protection of 1.136 mV/m							
ALLOP	C ()	1590 US NV, PARADISE			LIC. NEXT	LIM:1.131	1474 km

Auburn Broadcasting Inc.
1590 kHz RSS Protection Limits 50% Exclusion
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WFBR	L B ()	MD, GLEN BURNIE	39-10-36	76-37-20	BL-19810914AK			
WAKR	L ()	1590 US OH, AKRON			LIM:15.408	RSS:15.41	463 km	
50% Exclusion RSS 15.41 mV/m								
25% Exclusion RSS 15.41 mV/m Requires Protection of 3.852 mV/m								
WIJK	L(AUU)	1590 US MD, OCEAN CITY			LIC. NEXT	LIM:3.551	155 km	
WTVB	L B ()	MI, COLDWATER	41-54-34	85-00-21	BL-			
WAKR	L ()	1590 US OH, AKRON			LIM:19.278	RSS:19.28	308 km	
50% Exclusion RSS 19.28 mV/m								
WNTS	L ()	1590 US IN, BEECH GROVE			LIM:7.647	RSS:20.74	258 km	
25% Exclusion RSS 20.74 mV/m Requires Protection of 5.185 mV/m								
WCGO	L ()	1590 US IL, EVANSTON			LIC. NEXT	LIM:2.443	224 km	
KGFK	L B ()	MN, EAST GRAND FORKS	47-52-41	97-00-24	BL-19800415AA			
KVGB	L ()	1590 US KS, GREAT BEND			LIM:7.460	RSS:7.46	1073 km	
KWBG	L ()	1590 US IA, BOONE			LIM:4.400	RSS:8.66	696 km	
50% Exclusion RSS 8.66 mV/m								
WPVL	L ()	1590 US WI, PLATTEVILLE			LIM:3.381	RSS:9.30	763 km	
KPNP	L(AUU)	1600 US MN, WATERTOWN			LIM:2.787	RSS:9.71	411 km	
WAKR	L ()	1590 US OH, AKRON			LIM:2.445	RSS:10.01	1443 km	
25% Exclusion RSS 10.01 mV/m Requires Protection of 2.445 mV/m								
WTVB	L ()	1590 US MI, COLDWATER			LIC. NEXT	LIM:2.254	1153 km	
WSMN	L B (AUU)	NH, NASHUA	42-44-40	71-29-52	BL-			
WARV	L(AAU)	1590 US RI, WARWICK			LIM:6.286	RSS:6.29	113 km	
50% Exclusion RSS 6.29 mV/m								
WAKR	L ()	1590 US OH, AKRON			LIM:2.388	RSS:6.72	850 km	
WPWA	L ()	1590 US PA, CHESTER			LIM:1.714	RSS:6.94	459 km	
25% Exclusion RSS 6.94 mV/m Requires Protection of 1.714 mV/m								
WUNR	L ()	1600 US MA, BROOKLINE			LIC. NEXT	LIM:1.687	57 km	
WASB	L B ()	NY, BROCKPORT	43-11-44	77-57-05	BL-19801113AA			
WAKR	L ()	1590 US OH, AKRON			LIM:27.013	RSS:27.01	380 km	
50% Exclusion RSS 27.01 mV/m								
WFBR	L ()	1590 US MD, GLEN BURNIE			LIM:10.768	RSS:29.08	460 km	
WAUB	L(A)	1590 US NY, AUBURN			LIM:8.822	RSS:30.39	114 km	
25% Exclusion RSS 30.39 mV/m Requires Protection of 7.597 mV/m								
CKDO	O(A)	1580 CA ON, OSHAWA			LIC. NEXT	LIM:4.701	100 km	
WAKR	L B ()	OH, AKRON	41-01-14	81-30-20	BL-			
CKDO	O(A)	1580 CA ON, OSHAWA			LIM:3.963	RSS:3.96	389 km	
50% Exclusion RSS 3.96 mV/m								
WKTP	L ()	1590 US TN, JONESBOROUGH			LIM:1.189	RSS:4.14	528 km	
WNTS	L ()	1590 US IN, BEECH GROVE			LIM:1.159	RSS:4.30	414 km	
25% Exclusion RSS 4.30 mV/m Requires Protection of 1.074 mV/m								
WFBR	L ()	1590 US MD, GLEN BURNIE			LIC. NEXT	LIM:0.944	463 km	
WARV	L B (AAU)	RI, WARWICK	41-43-40	71-27-46	BL-19870601AK			
WSMN	L(AUU)	1590 US NH, NASHUA			LIM:3.554	RSS:3.55	113 km	
WPWA	L ()	1590 US PA, CHESTER			LIM:2.959	RSS:4.62	394 km	
50% Exclusion RSS 4.62 mV/m								
CKDO	O(A)	1580 CA ON, OSHAWA			LIM:1.737	RSS:4.94	641 km	
25% Exclusion RSS 4.94 mV/m Requires Protection of 1.235 mV/m								
WFBR	L ()	1590 US MD, GLEN BURNIE			LIC. NEXT	LIM:1.201	520 km	
KLFE	L B (AA)	WA, SEATTLE	47-39-19	122-31-06	BL-19850315AD			
KTIL	L ()	1590 US OR, NETARTS			LIM:4.332	RSS:4.33	265 km	
NEW	P(A)	1580 CA AB, EDMONTON			LIM:2.223	RSS:4.87	916 km	
50% Exclusion RSS 4.87 mV/m								
KLIV	L(A)	1590 US CA, SAN JOSE			LIM:2.167	RSS:5.33	1149 km	
NEW	P(A)	1580 CA AB, EDMONTON			LIM:2.061	RSS:5.71	916 km	
KVGB	L ()	1590 US KS, GREAT BEND			LIM:1.983	RSS:6.05	2179 km	
25% Exclusion RSS 6.05 mV/m Requires Protection of 1.512 mV/m								
ALLOC	C ()	1590 US NV, PARADISE			LIC. NEXT	LIM:1.344	1430 km	

Auburn Broadcasting Inc.
1590 kHz RSS Protection Limits 50% Exclusion
Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014

WGYA	L B ()	PR, GUAYAMA	17-57-40	66-08-20	BL-		
HIDA	O ()	1590 DR NO, SANTIAGO	6		LIM:4.129	RSS:4.13	505 km
WKTP	L ()	1590 US TN, JONESBOROUGH			LIM:2.991	RSS:5.10	2596 km
50% Exclusion RSS 5.10 mV/m							
ALLO	O ()	1580 AC NO, JUDGE BAY			LIM:2.153	RSS:5.53	470 km
CMNM	O ()	1590 CU NO, MANZANILLO			LIM:1.960	RSS:5.87	1184 km
WRXB	L ()	1590 US FL, ST. PETERSBURG B			LIM:1.705	RSS:6.11	2010 km
WARV	L(AAU)	1590 US RI, WARWICK			LIM:1.604	RSS:6.32	2690 km
HJJQ	O ()	1590 CO NO, ZARZAL			LIM:1.589	RSS:6.52	1874 km
25% Exclusion RSS 6.52 mV/m Requires Protection of 1.589 mV/m							
KMIC	L ()	1590 US TX, HOUSTON			LIC. NEXT	LIM:1.510	3246 km

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Auburn Broadcasting Inc.
1600 kHz Domestic RSS Protection Limits 50% Exclusion
Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014

NEW	A B ()	HI, WAIPAHU	21-26-43	158-03-49	BNP-20000201ADT		
KAHZ	L()	1600 US CA, POMONA		LIM:1.032	RSS:1.03	4177	km
KGST	L()	1600 US CA, FRESNO		LIM:0.938	RSS:1.39	4049	km
KUBA	L()	1600 US CA, YUBA CITY		LIM:0.742	RSS:1.58	3971	km
50% Exclusion RSS 2.00 mV/m							
KVRI	L()	1600 US WA, BLAINE		LIC. NEXT	LIM:0.708	4363	km
WHTY	L B ()	FL, RIVIERA BEACH	26-44-55	80-07-58	BL-20001003AFD		
WKWF	L()	1600 US FL, KEY WEST		LIM:8.477	RSS:8.48	291	km
50% Exclusion RSS 8.48 mV/m							
WHIY	L()	1600 US AL, HUNTSVILLE		LIM:2.864	RSS:8.95	1086	km
YVJR	O()	1600 VE NO, BARQUISIMETO		LIM:2.777	RSS:9.37	2174	km
25% Exclusion RSS 9.37 mV/m Requires Protection of 2.342 mV/m							
YNR12	P()	1600 NU NO, RELOJ NACION		LIC. NEXT	LIM:1.974	1602	km
WLXE	L B ()	MD, ROCKVILLE	39-05-52	77-09-04	BML-20011221ABO		
WWRL	L()	1600 US NY, NEW YORK		LIM:4.389	RSS:4.39	324	km
WRJE	L()	1600 US DE, DOVER		LIM:3.299	RSS:5.49	138	km
50% Exclusion RSS 5.49 mV/m							
CHNR	A(A)	1600 CA ON, SIMCOE		LIM:2.337	RSS:5.97	483	km
WAKR	L()	1590 US OH, AKRON		LIM:1.749	RSS:6.22	428	km
WCMA	L()	1600 US PR, BAYAMON		LIM:1.663	RSS:6.44	2538	km
WEHH	L()	1600 US NY, ELMIRA HTS-HORSE		LIM:1.660	RSS:6.65	337	km
25% Exclusion RSS 6.65 mV/m Requires Protection of 1.660 mV/m							
WUNR	L()	1600 US MA, BROOKLINE		LIC. NEXT	LIM:1.411	615	km
KVRI	L B ()	WA, BLAINE	48-57-15	122-44-36	BL-20020114ABE		
NEW	P()	1600 CA AB, CALGARY		LIM:12.623	RSS:12.62	672	km
50% Exclusion RSS 12.62 mV/m							
KLFE	L(AA)	1590 US WA, SEATTLE		LIM:4.049	RSS:13.26	145	km
25% Exclusion RSS 13.26 mV/m Requires Protection of 3.314 mV/m							
KOPB	L()	1600 US OR, EUGENE		LIC. NEXT	LIM:2.504	546	km
KLGZ	L B ()	IA, ALGONA	43-04-05	94-18-16	BL-19990226DC		
KGYM	L()	1600 US IA, CEDAR RAPIDS		LIM:31.760	RSS:31.76	258	km
50% Exclusion RSS 31.76 mV/m							
25% Exclusion RSS 31.76 mV/m Requires Protection of 7.940 mV/m							
WRPN	L()	1600 US WI, RIPON		LIC. NEXT	LIM:4.672	448	km
WEHH	L B ()	NY, ELMIRA HTS-HORSE	42-07-11	76-48-37	BL-20030501ACS		
WLXE	L()	1600 US MD, ROCKVILLE		LIM:3.449	RSS:3.45	337	km
WWRL	L()	1600 US NY, NEW YORK		LIM:2.550	RSS:4.29	273	km
50% Exclusion RSS 4.29 mV/m							
CHNR	A(A)	1600 CA ON, SIMCOE		LIM:1.601	RSS:4.58	292	km
WUNR	L()	1600 US MA, BROOKLINE		LIM:1.476	RSS:4.81	463	km
WFBR	L()	1590 US MD, GLEN BURNIE		LIM:1.455	RSS:5.02	328	km
WCMA	L()	1600 US PR, BAYAMON		LIM:1.365	RSS:5.21	2827	km
WAAM	L()	1600 US MI, ANN ARBOR		LIM:1.335	RSS:5.38	567	km
25% Exclusion RSS 5.38 mV/m Requires Protection of 1.335 mV/m							
WRJE	L()	1600 US DE, DOVER		LIC. NEXT	LIM:1.235	345	km
KUBA	L B ()	CA, YUBA CITY	39-06-22	121-39-18	BL-20040106ABV		
KAHZ	L()	1600 US CA, POMONA		LIM:2.780	RSS:2.78	664	km
KOPB	L()	1600 US OR, EUGENE		LIM:2.259	RSS:3.58	562	km
KLIV	L(A)	1590 US CA, SAN JOSE		LIM:2.174	RSS:4.19	198	km
KGST	L()	1600 US CA, FRESNO		LIM:2.158	RSS:4.71	311	km
50% Exclusion RSS 4.71 mV/m							
KGYM	L()	1600 US IA, CEDAR RAPIDS		LIM:2.013	RSS:5.13	2552	km
KTUB	L(A)	1600 US UT, CENTERVILLE		LIM:1.352	RSS:5.30	852	km
25% Exclusion RSS 5.30 mV/m Requires Protection of 1.325 mV/m							
KRVA	L()	1600 US TX, COCKRELL HILL		LIC. NEXT	LIM:1.256	2346	km

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1600 kHz Domestic RSS Protection Limits 50% Exclusion
Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014

KAHZ A B () CA, YORBA LINDA 33-55-43 117-36-57 BMJ-20040130AAB							
KGym	L ()	1600 US IA,	CEDAR RAPIDS	LIM:2.191	RSS:2.19	2443 km	
KRVA	L ()	1600 US TX,	COCKRELL HILL	LIM:1.965	RSS:2.94	1943 km	
KATZ	L ()	1600 US MO,	ST. LOUIS	LIM:1.952	RSS:3.53	2512 km	
50% Exclusion RSS 3.53 mV/m							
KGST	L ()	1600 US CA,	FRESNO	LIM:1.725	RSS:3.93	369 km	
KVTA	L ()	1590 US CA,	VENTURA	LIM:1.659	RSS:4.27	150 km	
KOKE	L ()	1600 US TX,	PFLUGERVILLE	LIM:1.279	RSS:4.45	1928 km	
KTUB	L(A)	1600 US UT,	CENTERVILLE	LIM:1.224	RSS:4.62	923 km	
KEPN	L(A)	1600 US CO,	LAKEWOOD	LIM:1.206	RSS:4.77	1284 km	
25% Exclusion RSS 4.77 mV/m Requires Protection of 1.193 mV/m							
KXEW	L ()	1600 US AZ,	SOUTH TUCSON	LIC. NEXT	LIM:1.104	647 km	
NEW A B () HI, MAKAHA 21-27-03 158-10-47 BNP-20010604ABC							
KAHZ	L ()	1600 US CA,	POMONA	LIM:1.027	RSS:1.03	4188 km	
KGST	L ()	1600 US CA,	FRESNO	LIM:0.934	RSS:1.39	4059 km	
KUBA	L ()	1600 US CA,	YUBA CITY	LIM:0.739	RSS:1.57	3980 km	
50% Exclusion RSS 2.00 mV/m							
KVRI	L ()	1600 US WA,	BLAINE	LIC. NEXT	LIM:0.703	4370 km	
KGym L B () IA, CEDAR RAPIDS 41-58-15 91-32-01 BL-20061122AIS							
KLGS	L ()	1600 US IA,	ALGONA	LIM:1.526	RSS:1.53	258 km	
KATZ	L ()	1600 US MO,	ST. LOUIS	LIM:1.486	RSS:2.13	393 km	
WRPN	L ()	1600 US WI,	RIPON	LIM:1.425	RSS:2.56	300 km	
50% Exclusion RSS 2.56 mV/m							
KPNP	L(AUU)	1600 US MN,	WATERTOWN	LIM:1.075	RSS:2.78	375 km	
KGST	L ()	1600 US CA,	FRESNO	LIM:1.054	RSS:2.97	2491 km	
KXEW	L ()	1600 US AZ,	SOUTH TUCSON	LIM:0.971	RSS:3.13	2032 km	
WAAM	L ()	1600 US MI,	ANN ARBOR	LIM:0.913	RSS:3.26	648 km	
KOKE	L ()	1600 US TX,	PFLUGERVILLE	LIM:0.887	RSS:3.38	1400 km	
KLEB	L(A)	1600 US LA,	GOLDEN MEADOW	LIM:0.870	RSS:3.49	1403 km	
25% Exclusion RSS 3.49 mV/m Requires Protection of 0.870 mV/m							
KTUB	L(A)	1600 US UT,	CENTERVILLE	LIC. NEXT	LIM:0.811	1700 km	
WKWF L B () FL, KEY WEST 24-34-17 81-44-25 BL-20061228ABB							
WXVI	L ()	1600 US AL,	MONTGOMERY	LIM:3.125	RSS:3.13	976 km	
YVJR	O ()	1600 VE NO,	BARQUISIMETO	LIM:3.058	RSS:4.37	2080 km	
WHTY	L ()	1600 US FL,	RIVIERA BEACH	LIM:3.012	RSS:5.31	291 km	
XE	P (A)	1600 MX GR,	ACAPULCO	LIM:2.726	RSS:5.97	1284 km	
50% Exclusion RSS 5.97 mV/m							
YNR12	P ()	1600 NU NO,	RELOJ NACION	LIM:2.721	RSS:6.56	1315 km	
HRPC	P ()	1600 HO NO,	S LUIS	LIM:2.560	RSS:7.04	1253 km	
KOGT	L ()	1600 US TX,	ORANGE	LIM:2.465	RSS:7.46	1337 km	
HRXN	P ()	1600 HO NO,	TEGUCIGALPA	LIM:2.442	RSS:7.85	1302 km	
XE	P (A)	1600 MX TB,	VILLAHERMOSA	LIM:2.155	RSS:8.14	1369 km	
KLEB	L(A)	1600 US LA,	GOLDEN MEADOW	LIM:2.149	RSS:8.42	1000 km	
25% Exclusion RSS 8.42 mV/m Requires Protection of 2.105 mV/m							
XE0056	P (A)	1600 MX CS,	TUXTLA GUTIERREZ	LIC. NEXT	LIM:1.968	1463 km	
KRVA L B () TX, COCKRELL HILL 32-44-23 96-42-41 BL-20070131AKP							
KATZ	L ()	1600 US MO,	ST. LOUIS	LIM:8.009	RSS:8.01	886 km	
KOKE	L ()	1600 US TX,	PFLUGERVILLE	LIM:6.934	RSS:10.59	278 km	
50% Exclusion RSS 10.59 mV/m							
25% Exclusion RSS 10.59 mV/m Requires Protection of 2.648 mV/m							
WHTY	L ()	1600 US FL,	RIVIERA BEACH	LIC. NEXT	LIM:2.586	1731 km	
KXEW L B () AZ, SOUTH TUCSON 32-11-46 110-59-02 BL-20070214ACR							
KGST	L ()	1600 US CA,	FRESNO	LIM:8.217	RSS:8.22	953 km	
KAHZ	L ()	1600 US CA,	POMONA	LIM:5.611	RSS:9.95	660 km	
50% Exclusion RSS 9.95 mV/m							
KATZ	L ()	1600 US MO,	ST. LOUIS	LIM:4.806	RSS:11.05	2018 km	
KEPN	L(A)	1600 US CO,	LAKEWOOD	LIM:3.839	RSS:11.70	985 km	
KTUB	L(A)	1600 US UT,	CENTERVILLE	LIM:3.814	RSS:12.30	972 km	
KRVA	L ()	1600 US TX,	COCKRELL HILL	LIM:3.597	RSS:12.82	1339 km	
25% Exclusion RSS 12.82 mV/m Requires Protection of 3.205 mV/m							
KGym	L ()	1600 US IA,	CEDAR RAPIDS	LIC. NEXT	LIM:2.669	2032 km	

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KOPB	L B ()	OR, EUGENE	44-03-05	123-03-48	BML-20071130BID		
KGym	L ()	1600 US IA, CEDAR RAPIDS	LIM:1.699	RSS:1.70		2558 km	
KAHZ	L ()	1600 US CA, POMONA	LIM:1.221	RSS:2.09		1205 km	
KATZ	L ()	1600 US MO, ST. LOUIS	LIM:1.121	RSS:2.37		2799 km	
50% Exclusion RSS 2.37 mV/m							
KRVA	L ()	1600 US TX, COCKRELL HILL	LIM:0.824	RSS:2.51		2602 km	
KPNP	L(AU)	1600 US MN, WATERTOWN	LIM:0.805	RSS:2.64		2312 km	
KUBA	L ()	1600 US CA, YUBA CITY	LIM:0.804	RSS:2.76		562 km	
KVRI	L ()	1600 US WA, BLAINE	LIM:0.744	RSS:2.86		546 km	
KGST	L ()	1600 US CA, FRESNO	LIM:0.743	RSS:2.95		861 km	
25% Exclusion RSS 2.95 mV/m Requires Protection of 0.738 mV/m							
KOKE	L ()	1600 US TX, PFLUGERVILLE	LIC. NEXT	LIM:0.688		2708 km	
WUNR	L B ()	MA, BROOKLINE	42-17-20	71-11-21	BMM-20090211ADN		
WWRL	L ()	1600 US NY, NEW YORK	LIM:7.007	RSS:7.01		291 km	
50% Exclusion RSS 7.01 mV/m							
25% Exclusion RSS 7.01 mV/m Requires Protection of 1.752 mV/m							
WCMA	L ()	1600 US PR, BAYAMON	LIC. NEXT	LIM:1.662		2703 km	
WWRL	L B ()	NY, NEW YORK	40-47-44	74-03-18	BML-20090922AFC		
WCMA	L ()	1600 US PR, BAYAMON	LIM:1.706	RSS:1.71		2606 km	
WUNR	L ()	1600 US MA, BROOKLINE	LIM:1.665	RSS:2.38		291 km	
WRJE	L ()	1600 US DE, DOVER	LIM:1.555	RSS:2.85		221 km	
50% Exclusion RSS 2.85 mV/m							
WHTY	L ()	1600 US FL, RIVIERA BEACH	LIM:1.301	RSS:3.13		1659 km	
WLXE	L ()	1600 US MD, ROCKVILLE	LIM:1.016	RSS:3.29		324 km	
YVJR	O ()	1600 VE NO, BARQUISIMETO	LIM:0.969	RSS:3.43		3446 km	
WEHH	L ()	1600 US NY, ELMIRA HTS-HORSE	LIM:0.915	RSS:3.55		273 km	
25% Exclusion RSS 3.55 mV/m Requires Protection of 0.887 mV/m							
NEW	P ()	1600 CA ON, CORNWALL	LIC. NEXT	LIM:0.750		471 km	
KATZ	L B ()	MO, ST. LOUIS	38-37-02	90-04-58	BMM-20100513ALU		
KGym	L ()	1600 US IA, CEDAR RAPIDS	LIM:2.752	RSS:2.75		393 km	
WXVI	L ()	1600 US AL, MONTGOMERY	LIM:2.190	RSS:3.52		772 km	
50% Exclusion RSS 3.52 mV/m							
WHIY	L ()	1600 US AL, HUNTSVILLE	LIM:1.516	RSS:3.83		527 km	
KLEB	L(A)	1600 US LA, GOLDEN MEADOW	LIM:1.474	RSS:4.10		1025 km	
WRPN	L ()	1600 US WI, RIPON	LIM:1.389	RSS:4.33		587 km	
KOKE	L ()	1600 US TX, PFLUGERVILLE	LIM:1.295	RSS:4.52		1145 km	
KRVA	L ()	1600 US TX, COCKRELL HILL	LIM:1.169	RSS:4.67		886 km	
25% Exclusion RSS 4.67 mV/m Requires Protection of 1.168 mV/m							
KXEW	L ()	1600 US AZ, SOUTH TUCSON	LIC. NEXT	LIM:1.139		2018 km	
KAHZ	A B (A)	CA, YORBA LINDA	33-55-33	117-37-09	BMJ-20100504ALA		
KGym	L ()	1600 US IA, CEDAR RAPIDS	LIM:2.190	RSS:2.19		2444 km	
KRVA	L ()	1600 US TX, COCKRELL HILL	LIM:1.965	RSS:2.94		1943 km	
KATZ	L ()	1600 US MO, ST. LOUIS	LIM:1.952	RSS:3.53		2513 km	
50% Exclusion RSS 3.53 mV/m							
KGST	L ()	1600 US CA, FRESNO	LIM:1.723	RSS:3.93		369 km	
KVTA	L ()	1590 US CA, VENTURA	LIM:1.655	RSS:4.26		150 km	
KOKE	L ()	1600 US TX, PFLUGERVILLE	LIM:1.278	RSS:4.45		1928 km	
KTUB	L(A)	1600 US UT, CENTERVILLE	LIM:1.223	RSS:4.62		924 km	
KEPN	L(A)	1600 US CO, LAKEWOOD	LIM:1.206	RSS:4.77		1284 km	
25% Exclusion RSS 4.77 mV/m Requires Protection of 1.193 mV/m							
KXEW	L ()	1600 US AZ, SOUTH TUCSON	LIC. NEXT	LIM:1.104		647 km	
WASB	A B ()	NY, BROCKPORT	43-11-44	77-57-05	BP-20140124AME		
CHNR	A(A)	1600 CA ON, SIMCOE	LIM:12.617	RSS:12.62		195 km	
WEHH	L ()	1600 US NY, ELMIRA HTS-HORSE	LIM:7.600	RSS:14.73		152 km	
50% Exclusion RSS 14.73 mV/m							
WAAM	L ()	1600 US MI, ANN ARBOR	LIM:5.836	RSS:15.84		482 km	
25% Exclusion RSS 15.84 mV/m Requires Protection of 3.961 mV/m							
WAKR	L ()	1590 US OH, AKRON	LIC. NEXT	LIM:2.701		380 km	

Auburn Broadcasting Inc.						
1600 kHz Domestic RSS Protection Limits 50% Exclusion						
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KOKE	L B ()	TX, PFLUGERVILLE	30-20-44	97-32-46	BL-19990514DC	
KRVA	L ()	1600 US TX, COCKRELL HILL		LIM:5.866	RSS:5.87	278 km
KATZ	L ()	1600 US MO, ST. LOUIS		LIM:4.253	RSS:7.25	1145 km
WHTY	L ()	1600 US FL, RIVIERA BEACH		LIM:3.881	RSS:8.22	1745 km
50% Exclusion RSS 8.22 mV/m						
KGST	L ()	1600 US CA, FRESNO		LIM:2.621	RSS:8.63	2177 km
KXEW	L ()	1600 US AZ, SOUTH TUCSON		LIM:2.577	RSS:9.00	1293 km
XE	O (A)	1600 MX SL, SAN LUIS POTOSI		LIM:2.327	RSS:9.30	973 km
25% Exclusion RSS 9.30 mV/m Requires Protection of 2.325 mV/m						
XELZ	O (A)	1600 MX CI, TORREON		LIC. NEXT	LIM:2.053	789 km
WHIY	L B ()	AL, HUNTSVILLE	34-45-32	86-38-35	BL-	
WXVI	L ()	1600 US AL, MONTGOMERY		LIM:6.452	RSS:6.45	265 km
50% Exclusion RSS 6.45 mV/m						
KGYM	L ()	1600 US IA, CEDAR RAPIDS		LIM:1.931	RSS:6.74	908 km
KLEB	L (A)	1600 US LA, GOLDEN MEADOW		LIM:1.914	RSS:7.00	687 km
25% Exclusion RSS 7.00 mV/m Requires Protection of 1.750 mV/m						
KOKE	L ()	1600 US TX, PFLUGERVILLE		LIC. NEXT	LIM:1.653	1133 km
WXVI	L B ()	AL, MONTGOMERY	32-23-40	86-17-21	BL-19790601AA	
WKWF	L ()	1600 US FL, KEY WEST		LIM:2.109	RSS:2.11	976 km
WHIY	L ()	1600 US AL, HUNTSVILLE		LIM:1.951	RSS:2.87	265 km
KLEB	L (A)	1600 US LA, GOLDEN MEADOW		LIM:1.735	RSS:3.36	505 km
50% Exclusion RSS 3.36 mV/m						
XE	P (A)	1600 MX GR, ACAPULCO		LIM:1.483	RSS:3.67	1791 km
YVJR	O ()	1600 VE NO, BARQUISIMETO		LIM:1.440	RSS:3.94	3032 km
KGYM	L ()	1600 US IA, CEDAR RAPIDS		LIM:1.369	RSS:4.17	1161 km
KOKE	L ()	1600 US TX, PFLUGERVILLE		LIM:1.362	RSS:4.39	1092 km
XE	P (A)	1600 MX TB, VILLAHERMOSA		LIM:1.355	RSS:4.59	1734 km
KRVA	L ()	1600 US TX, COCKRELL HILL		LIM:1.252	RSS:4.76	977 km
XE0056	P (A)	1600 MX CS, TUXTLA GUTIERREZ		LIM:1.219	RSS:4.92	1867 km
25% Exclusion RSS 4.92 mV/m Requires Protection of 1.219 mV/m						
YNR12	P ()	1600 NU NO, RELOJ NACION		LIC. NEXT	LIM:1.204	2088 km
KGST	L B ()	CA, FRESNO	36-42-36	119-50-06	BL-19810507AC	
KAHZ	L ()	1600 US CA, POMONA		LIM:5.254	RSS:5.25	354 km
50% Exclusion RSS 5.25 mV/m						
KGYM	L ()	1600 US IA, CEDAR RAPIDS		LIM:2.131	RSS:5.67	2491 km
KRVA	L ()	1600 US TX, COCKRELL HILL		LIM:1.578	RSS:5.89	2153 km
25% Exclusion RSS 5.89 mV/m Requires Protection of 1.471 mV/m						
KOPB	L ()	1600 US OR, EUGENE		LIC. NEXT	LIM:1.417	861 km
KAHZ	L B ()	CA, POMONA	34-01-48	117-43-35	BL-19850228AH	
KGYM	L ()	1600 US IA, CEDAR RAPIDS		LIM:2.188	RSS:2.19	2447 km
KRVA	L ()	1600 US TX, COCKRELL HILL		LIM:1.947	RSS:2.93	1953 km
KATZ	L ()	1600 US MO, ST. LOUIS		LIM:1.897	RSS:3.49	2518 km
KVTA	L ()	1590 US CA, VENTURA		LIM:1.786	RSS:3.92	138 km
50% Exclusion RSS 3.92 mV/m						
KGST	L ()	1600 US CA, FRESNO		LIM:1.777	RSS:4.30	354 km
KOKE	L ()	1600 US TX, PFLUGERVILLE		LIM:1.270	RSS:4.49	1939 km
KEPN	L (A)	1600 US CO, LAKEWOOD		LIM:1.174	RSS:4.64	1286 km
KTUB	L (A)	1600 US UT, CENTERVILLE		LIM:1.172	RSS:4.78	919 km
25% Exclusion RSS 4.78 mV/m Requires Protection of 1.172 mV/m						
XEHC	O (A)	1590 MX BN, ENSENADA		LIC. NEXT	LIM:1.076	263 km
KEPN	L B (A)	CO, LAKEWOOD	39-39-20	105-04-28	BL-19840223AB	
KGYM	L ()	1600 US IA, CEDAR RAPIDS		LIM:8.184	RSS:8.18	1167 km
KTUB	L (A)	1600 US UT, CENTERVILLE		LIM:5.122	RSS:9.65	597 km
50% Exclusion RSS 9.65 mV/m						
KGST	L ()	1600 US CA, FRESNO		LIM:4.104	RSS:10.49	1329 km
KATZ	L ()	1600 US MO, ST. LOUIS		LIM:3.902	RSS:11.19	1296 km
KRVA	L ()	1600 US TX, COCKRELL HILL		LIM:3.883	RSS:11.85	1073 km
KOKE	L ()	1600 US TX, PFLUGERVILLE		LIM:3.103	RSS:12.25	1240 km
25% Exclusion RSS 12.25 mV/m Requires Protection of 3.062 mV/m						
KUBA	L ()	1600 US CA, YUBA CITY		LIC. NEXT	LIM:2.475	1424 km

Auburn Broadcasting Inc.							
1600 kHz Domestic RSS Protection Limits 50% Exclusion							
Contributors: Licensed/Operating determines limit. FCC DATABASE: 12/5/2014							
KLEB	L B (A)	LA, GOLDEN MEADOW	29-23-43	90-16-01	BL-19890518AG		
WXVI	L()	1600 US AL, MONTGOMERY		LIM:9.523	RSS:9.52	505 km	
WHTY	L()	1600 US FL, RIVIERA BEACH		LIM:8.544	RSS:12.79	1036 km	
KOGT	L()	1600 US TX, ORANGE		LIM:7.729	RSS:14.95	346 km	
50% Exclusion RSS 14.95 mV/m							
WHIY	L()	1600 US AL, HUNTSVILLE		LIM:6.086	RSS:16.14	687 km	
25% Exclusion RSS 16.14 mV/m Requires Protection of 4.035 mV/m							
KOKE	L()	1600 US TX, PFLUGERVILLE		LIC. NEXT	LIM:2.986	710 km	
WAAM	L B ()	MI, ANN ARBOR	42-11-32	83-41-09	BL-		
WAKR	L()	1590 US OH, AKRON		LIM:2.977	RSS:2.98	223 km	
CHHA	P(A)	1610 CA ON, TORONTO		LIM:2.293	RSS:3.76	389 km	
KGYM	L()	1600 US IA, CEDAR RAPIDS		LIM:1.981	RSS:4.25	648 km	
50% Exclusion RSS 4.25 mV/m							
CHNR	A(A)	1600 CA ON, SIMCOE		LIM:1.604	RSS:4.54	287 km	
WXVI	L()	1600 US AL, MONTGOMERY		LIM:1.353	RSS:4.74	1113 km	
25% Exclusion RSS 4.74 mV/m Requires Protection of 1.185 mV/m							
KATZ	L()	1600 US MO, ST. LOUIS		LIC. NEXT	LIM:1.161	671 km	
KPNP	L B (AUU)	MN, WATERTOWN	44-55-23	93-46-56	BL-19960408AC		
KGYM	L()	1600 US IA, CEDAR RAPIDS		LIM:33.937	RSS:33.94	375 km	
50% Exclusion RSS 33.94 mV/m							
WRPN	L()	1600 US WI, RIPON		LIM:16.647	RSS:37.80	411 km	
KLGZ	L()	1600 US IA, ALGONA		LIM:12.626	RSS:39.85	210 km	
25% Exclusion RSS 39.85 mV/m Requires Protection of 9.963 mV/m							
WAAM	L()	1600 US MI, ANN ARBOR		LIC. NEXT	LIM:2.971	868 km	
KOGT	L B ()	TX, ORANGE	30-08-25	93-45-11	BL-		
WHTY	L()	1600 US FL, RIVIERA BEACH		LIM:5.404	RSS:5.40	1383 km	
KOKE	L()	1600 US TX, PFLUGERVILLE		LIM:5.113	RSS:7.44	365 km	
KATZ	L()	1600 US MO, ST. LOUIS		LIM:4.538	RSS:8.71	1001 km	
50% Exclusion RSS 8.71 mV/m							
WHIY	L()	1600 US AL, HUNTSVILLE		LIM:4.209	RSS:9.68	841 km	
KRVA	L()	1600 US TX, COCKRELL HILL		LIM:3.101	RSS:10.16	403 km	
WXVI	L()	1600 US AL, MONTGOMERY		LIM:2.944	RSS:10.58	752 km	
KMIC	L()	1590 US TX, HOUSTON		LIM:2.753	RSS:10.93	166 km	
25% Exclusion RSS 10.93 mV/m Requires Protection of 2.733 mV/m							
KLEB	L(A)	1600 US LA, GOLDEN MEADOW		LIC. NEXT	LIM:2.721	346 km	
KTUB	L B (A)	UT, CENTERVILLE	40-54-08	111-55-40	BL-19851009AG		
KGST	L()	1600 US CA, FRESNO		LIM:9.352	RSS:9.35	828 km	
KUBA	L()	1600 US CA, YUBA CITY		LIM:5.937	RSS:11.08	852 km	
50% Exclusion RSS 11.08 mV/m							
KAHZ	L()	1600 US CA, POMONA		LIM:4.675	RSS:12.02	919 km	
KGYM	L()	1600 US IA, CEDAR RAPIDS		LIM:4.440	RSS:12.82	1700 km	
KEPN	L(A)	1600 US CO, LAKEWOOD		LIM:3.613	RSS:13.32	597 km	
25% Exclusion RSS 13.32 mV/m Requires Protection of 3.329 mV/m							
KOPB	L()	1600 US OR, EUGENE		LIC. NEXT	LIM:2.962	977 km	
WRPN	L B ()	WI, RIPON	43-49-01	88-50-49	BL-		
KGYM	L()	1600 US IA, CEDAR RAPIDS		LIM:13.103	RSS:13.10	300 km	
WAAM	L()	1600 US MI, ANN ARBOR		LIM:8.044	RSS:15.37	457 km	
50% Exclusion RSS 15.37 mV/m							
25% Exclusion RSS 15.37 mV/m Requires Protection of 3.844 mV/m							
KLGZ	L()	1600 US IA, ALGONA		LIC. NEXT	LIM:2.809	448 km	
WCMA	L B ()	PR, BAYAMON	18-21-38	66-09-30	BL-19800207AC		
YVJR	O()	1600 VE NO, BARQUISIMETO		LIM:9.709	RSS:9.71	980 km	
HIEG	O()	1600 DR NO, S DOMINGO 15		LIM:5.209	RSS:11.02	398 km	
50% Exclusion RSS 11.02 mV/m							
WHTY	L()	1600 US FL, RIVIERA BEACH		LIM:3.705	RSS:11.62	1709 km	
25% Exclusion RSS 11.62 mV/m Requires Protection of 2.906 mV/m							
WWRL	L()	1600 US NY, NEW YORK		LIC. NEXT	LIM:2.506	2606 km	

Nighttime Skywave Limits Study
WAUB ó Auburn, NY

Exhibit E-15
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Auburn Broadcasting Inc.
1600 kHz Domestic RSS Protection Limits 50% Exclusion
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WRJE	L B ()	DE, DOVER	39-10-11	75-33-13	BL-14484		
WLXE	L ()	1600 US MD, ROCKVILLE		LIM:6.695	RSS:6.69	138 km	
WWRL	L ()	1600 US NY, NEW YORK		LIM:5.536	RSS:8.69	221 km	
		50% Exclusion RSS 8.69 mV/m					
		25% Exclusion RSS 8.69 mV/m	Requires Protection of 2.172 mV/m				
WEHH	L ()	1600 US NY, ELMIRA HTS-HORSE LIC. NEXT		LIM:2.139		345 km	

Auburn Broadcasting Inc.
Maximum Nighttime Inverse Distance Fields
WAUB-P 42-54-34 76-36-09 1590 kHz

Call	Freq	km	azm	Req-Pro	θ-min	θ-max	Max IDF	Pat IDF
WSMN-LB	1590	416.6	90.8	1.714	18.12	28.89	66.0	50.8
WUNR-LB	1600	448.3	97.0	1.752	16.79	27.04	738.2	30.8
WARV-LB	1590	442.4	105.5	1.235	17.02	27.37	50.7	14.2
WWRL-LB	1600	315.8	137.1	0.887	23.79	36.40	237.7	9.2
WPWA-LB	1590	350.4	163.7	2.785	21.54	33.50	104.7	19.8*
WIJK-LB	1590	516.1	165.5	5.449	14.42	23.68	262.7	27.3
WRJE-LB	1600	425.0	167.7	2.172	17.75	28.38	813.3	24.4
WFBR-LB	1590	415.0	180.2	3.852	18.19	28.99	139.9	21.9
WLXE-LB	1600	426.3	186.4	1.660	17.69	28.31	623.1	19.1
WEHH-LB	1600	89.5	191.1	1.335	57.93	69.27	164.4	6.8
WRXB-LB	1590	1773.9	200.0	3.105	0.64	3.60	980.6	14.8
WALG-LB	1590	1420.2	210.5	0.935	2.59	6.40	210.0	10.5
WKTP-LB	1590	887.0	216.5	1.441	7.22	13.07	154.7	11.4
WVNA-LB	1590	1318.1	230.3	1.551	3.26	7.30	323.3	10.5
WAKR-LB	1590	456.4	244.3	1.074	16.47	26.60	45.2	34.4
WNTS-LB	1590	866.4	249.3	3.084	7.48	13.46	339.9	52.3
KVGB-LB	1590	1935.0	262.2	1.136	0.00	2.67	559.8	117.3
WTVB-LB	1590	698.4	263.7	5.185	10.07	17.31	418.2	122.7
WAAM-LB	1600	585.5	264.6	1.185	12.49	20.88	727.9	125.9
WCGO-LB	1590	915.8	267.6	4.585	6.87	12.56	587.4	147.1
KWBG-LB	1590	1417.7	271.9	2.897	2.60	6.37	851.4	175.2
WPVL-LB	1590	1132.4	273.9	3.314	4.69	9.36	641.2	186.6
WASB-LB	1590	114.1	286.6	7.597	51.32	64.21	117.6	109.6*
WASB-AB	1600	114.1	286.6	3.961	51.32	64.21	527.8	109.6

* Grandfathered - Existing Night Pattern