

**D.L. Markley & Associates, Inc.
Peoria, IL**

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Monday, January 15, 2001

Dataworld AM Night Permissible Radiation Study

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omissions in the information hereby provided, and shall not be liable
for any injuries or damages (including consequential) which might result
from use of the said information.

Job Title: KOTA

The metric system of units will be used.

Station: KOTA
Frequency: 1380 kHz
Coordinates: N 44° 01' 60.0" W 103° 11' 15.0"

The following codes apply to the permissible radiation values:

S	skywave contour protection
s	truncated skywave protection
G	groundwave contour protection
g	truncated groundwave protection
=	limited to present radiation value
-	10% radiation reduction calculated
F	foreign (protect 1/2 of 50% RSS or smallest contributor)

Note: Assumed antenna parameters used for WELR ROANOKE, AL 1360 kHz

Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for KAHZ FORT WORTH, TX 1360 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0;

Note: Assumed antenna parameters used for KAHZ HURST, TX 1360 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0;

Note: Assumed antenna parameters used for WWLG PIKESVILLE, MD 1370 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0; Tower #4 Type assumed as 0; Tower #5 Type assumed as 0; Tower #6 Type assumed as 0;

Note: Assumed antenna parameters used for WWLG PIKESVILLE, MD 1370 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0; Tower #4 Type assumed as 0; Tower #5 Type assumed as 0; Tower #6 Type assumed as 0;

Note: Assumed antenna parameters used for WWLG PIKESVILLE, MD 1370 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0; Tower #4 Type assumed as 0; Tower #5 Type assumed as 0; Tower #6 Type assumed as 0;

Note: Assumed antenna parameters used for WLTC GASTONIA, NC 1370 kHz

Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for KTKZ App SACRAMENTO, CA 1380 kHz

Assumed parameters: Tower #1 B assumed as 0; Tower #1 C assumed as 0; Tower #1 D assumed as 0; Tower #1 Type assumed as 0; Tower #1 Reference switch assumed as 0; Tower #2 B assumed as 0; Tower #2 C assumed as 0; Tower #2 D assumed as 0; Tower #2 Type assumed as 0; Tower #2 Reference switch assumed as 0; Tower #3 B assumed as 0; Tower #3 C assumed as 0; Tower #3 D assumed as 0; Tower #3 Type assumed as 0; Tower #3 Reference switch assumed as 0; Tower #4 B assumed as 0; Tower #4 C assumed as 0; Tower #4 D assumed as 0; Tower #4 Type assumed as 0; Tower #4 Reference switch assumed as 0;

Note: Assumed antenna parameters used for KTKZ App SACRAMENTO, CA 1380 kHz

Assumed parameters: Tower #1 B assumed as 0; Tower #1 C assumed as 0; Tower #1 D assumed as 0; Tower #1 Type assumed as 0; Tower #1 Reference switch assumed as 0; Tower #2 B assumed as 0; Tower #2 C assumed as 0; Tower #2 D assumed as 0; Tower #2 Type assumed as 0; Tower #2 Reference switch assumed as 0; Tower #3 B assumed as 0; Tower #3 C assumed as 0; Tower #3 D assumed as 0; Tower #3 Type assumed as 0; Tower #3 Reference switch assumed as 0; Tower #4 B assumed as 0; Tower #4 C assumed as 0; Tower #4 D assumed as 0; Tower #4 Type assumed as 0; Tower #4 Reference switch assumed as 0;

Note: Assumed antenna parameters used for KMUS MUSKOGEE, OK 1380 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0;

Note: Assumed antenna parameters used for KMUS MUSKOGEE, OK 1380 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0;

Note: Assumed antenna parameters used for KMUS SPERRY, OK 1380 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0; Tower #4 Type assumed as 0;

Note: Assumed antenna parameters used for KMUS SPERRY, OK 1380 kHz

Assumed parameters: Tower #1 B assumed as 0; Tower #1 C assumed as 0; Tower #1 D assumed as 0; Tower #1 Type assumed as 0; Tower #1 Reference switch assumed as 0; Tower #2 B assumed as 0; Tower #2 C assumed as 0; Tower #2 D assumed as 0; Tower #2 Type assumed as 0; Tower #2 Reference switch assumed as 0; Tower #3 B assumed as 0; Tower #3 C assumed as 0; Tower #3 D assumed as 0; Tower #3 Type assumed as 0; Tower #3 Reference switch assumed as 0; Tower #4 B assumed as 0; Tower #4 C assumed as 0; Tower #4 D assumed as 0; Tower #4 Type assumed as 0; Tower #4 Reference switch assumed as 0;

Note: Parameters for KOTA RAPID CITY, SD LIC will be used for existing interference

Note: Assumed antenna parameters used for KRKO EVERETT, WA 1380 kHz

Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0; Tower #4 Type assumed as 0;

Note: Assumed antenna parameters used for KJME DENVER, CO 1390 kHz

Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for NEW MANNING, MI 1390 kHz

Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for NEW MANNING, MI 1390 kHz

Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for KSLM Smv SALEM, OR 1390 kHz

Assumed parameters: Tower #1 B assumed as 0; Tower #1 C assumed as 0; Tower #1 D assumed as 0;

Note: Invalid RMS for XEOR1 Reynosa, Mx 1390 kHz; Power=1 kW (Non-D); RMS = 540.44; RMS/kW = 540.4

Will not be used as an interference contributor

- Note: Assumed antenna parameters used for WKPA LYNCHBURG, VA 1390 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for WKPA LYNCHBURG, VA 1390 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for NEW FALLS VILLAGE, CT 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for NEW MOULTRIE, GA 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for NEW MOULTRIE, GA 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for NEW MOULTRIE, GA 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for WGIL App GALESBURG, IL 1400 kHz
Assumed parameters: Tower #1 B assumed as 0; Tower #1 C assumed as 0; Tower #1 D assumed as 0;
- Note: Assumed antenna parameters used for KAOK App LAKE CHARLES, LA 1400 kHz
Assumed parameters: Tower #1 B assumed as 0; Tower #1 C assumed as 0; Tower #1 D assumed as 0;
- Note: Assumed antenna parameters used for NEW VEAZIE, ME 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for NEW VEAZIE, ME 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for WBTB PINE KNOLL SHORES, NC 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for KBDB SPARKS, NV 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for WPFM DARLINGTON, SC 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for NEW PAROWAN, UT 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for NEW PAROWAN, UT 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;
- Note: Assumed antenna parameters used for NEW PAROWAN, UT 1400 kHz
Assumed parameters: Tower #1 Type assumed as 0;

D.L. Markley & Associates, Inc.
Peoria, IL

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Dataworld AM Detailed Individual Night Limit for Study Site (Contributor Records)

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (%)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)						
KMUS	LIC	Muskogee	OK	1380	.500	1132.9	1150.4	141.5	326.5	40.0	49.6	4.7	9.4	225.6	221.2	32.09	1.419	100.0	1.419
WONO	LIC	Fort Wayne	IN	1380	5.000	1516.9	1530.0	96.6	288.8	42.9	53.1	2.0	5.5	454.3	453.2	15.52	1.407	99.1	1.998
KHEY	LIC	El Paso	TX	1380	.500	1392.9	1407.2	192.6	10.6	37.9	46.8	2.8	6.6	246.9	246.2	24.46	1.204	60.3	2.333
KXCA	LIC	Lawton	OK	1380	1.000	1128.4	1146.0	156.9	339.9	39.3	48.8	4.7	9.4	173.1	177.0	33.24	1.177	50.4	2.613
----- 50% Exclusion -----																			
KBWD	LIC	Brownwood	TX	1380	.500	1418.9	1432.9	163.5	346.1	37.9	47.3	2.6	6.4	220.8	220.4	23.29	1.027	39.3	2.808
KSRV	LIC	Ontario	OR	1380	1.000	1100.5	1118.5	274.9	85.3	44.2	52.3	5.0	9.8	146.3	155.9	30.10	.938	33.4	2.960
KTKZ	LIC	Sacramento	CA	1380	5.000	1617.5	1629.8	254.1	62.1	41.6	49.4	1.4	4.8	272.1	271.4	16.82	.913	30.9	3.098
KCIM	LIC	Carroll	IA	1380	1.000	709.7	737.4	105.3	291.0	43.1	52.7	9.9	17.0	73.8	71.8	62.78	.902	29.1	3.227
KLIZ	LIC	Brainerd	MN	1380	5.000	750.6	776.8	66.9	253.3	45.3	54.9	9.2	16.0	70.6	85.6	51.95	.889	27.6	3.347
WSCG	LIC	Greenville	MI	1380	.500	1444.2	1458.0	87.6	280.0	43.9	54.1	2.4	6.1	268.6	268.2	15.95	.856	25.6	3.454
----- 25% Exclusion -----																			
WPHM	LIC	Port Huron	MI	1380	5.000	1670.9	1682.8	87.2	281.6	43.9	54.2	1.2	4.4	352.3	352.1	11.64	.819	23.7	3.550
WTJK	LIC	South Beloit	IL	1380	5.000	1158.4	1175.6	93.8	283.5	43.5	53.4	4.5	9.0	154.6	156.6	25.77	.807	22.7	3.641
KSLG	LIC	St. Louis	MO	1380	1.000	1233.0	1249.1	114.0	302.6	41.6	51.5	3.9	8.2	160.8	157.9	25.41	.802	22.0	3.728
KXTL	LIC	Butte	MT	1370	5.000	773.5	798.9	289.8	103.1	45.1	53.5	8.8	15.4	719.7	704.5	52.78	.744	19.9	3.802
KRKO	LIC	Everett	WA	1380	5.000	1526.0	1539.0	293.1	99.4	46.4	54.0	1.9	5.5	241.8	242.3	14.30	.693	18.2	3.864
CKLC		Kingston	Cn	1380	10.000	2127.1	2136.5	80.1	278.9	44.9	55.5	.0	1.6	500.8	500.8	5.98	.599	15.5	3.911
KRRZ	LIC	Minot	ND	1390	1.000	488.2	527.6	17.2	198.6	46.1	55.3	15.3	25.0	313.8	296.2	100.68	.596	15.2	3.956
KFNI	LIC	Pleasanton	TX	1380	.165	1721.7	1733.2	164.6	347.4	36.5	46.0	.9	4.0	157.6	157.5	17.08	.538	13.6	3.992
XEAPM		Apatzingan	Mx	1380	1.000	2775.5	2782.7	177.9	358.4	31.6	40.9	.0	.0	305.5	305.5	8.06	.492	12.3	4.022
WFCL	LIC	Clintonville	WI	1380	1.800	1149.4	1166.6	82.0	272.1	44.5	54.5	4.5	9.1	95.7	95.3	24.50	.467	11.6	4.049
KXSS	LIC	Waite Park	MN	1390	1.000	723.6	750.7	73.5	259.8	44.9	54.5	9.6	16.6	416.8	412.2	56.37	.465	11.5	4.076
XEZZZ		Cd.hidalgo	Mx	1380	1.000	3410.2	3416.0	158.8	344.4	29.5	39.5	.0	.0	350.9	350.9	5.62	.394	9.7	4.095
KKSO	LIC	Des Moines	IA	1390	1.000	832.6	856.3	105.7	292.3	42.9	52.6	7.9	14.1	388.0	401.0	48.48	.389	9.5	4.113
HJEE		Tunja 2	Co	1380	5.000	5222.7	5226.5	137.3	330.7	25.3	36.2	.0	.0	692.0	692.0	2.72	.377	9.2	4.131
HJIO		Vde Conquist	Co	1380	5.000	5396.5	5400.2	139.0	331.8	24.3	35.2	.0	.0	692.0	692.0	2.67	.369	8.9	4.147
XEGW		Cd.victoria	Mx	1380	.150	2288.7	2297.4	169.4	351.7	33.9	43.4	.0	.8	157.5	157.5	10.87	.342	8.3	4.161
YVJD		Puerto Cabel	Ve	1380	5.000	5026.4	5030.4	127.1	324.3	28.4	39.5	.0	.0	692.0	692.0	2.46	.341	8.2	4.175
WELE	LIC	Ormond Beach	FL	1380	2.500	2551.0	2558.8	122.6	316.1	37.2	47.7	.0	.0	229.5	229.5	7.31	.336	8.0	4.189
KCRC	LIC	Enid	OK	1390	1.000	958.6	979.2	150.2	333.6	40.3	49.7	6.4	11.8	366.0	360.0	42.57	.306	7.3	4.200
KLGN	LIC	Logan	UT	1390	.500	750.4	776.6	253.1	67.2	43.0	51.4	9.2	16.0	256.1	252.9	60.15	.304	7.2	4.211
WRBQ	LIC	St. Petersburg	FL	1380	5.000	2566.1	2573.9	127.6	319.9	36.4	46.8	.0	.0	200.3	200.3	7.54	.302	7.2	4.222
KSOP	LIC	South Salt Lake	UT	1370	.500	806.3	830.7	245.8	59.9	42.5	50.9	8.3	14.7	280.8	273.8	54.48	.298	7.1	4.232

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Dataworld AM Detailed Individual Night Limit for Study Site (Contributor Records)

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (%)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)						
YVJC		Soledad	Ve	1380	5.000	5527.6	5531.3	124.2	323.1	27.5	38.7	.0	.0	692.0	692.0	2.09	.289	6.8	4.242
KIFO	LIC	Pearl City	HI	1380	6.200	5584.1	5587.7	261.8	49.9	35.8	39.9	.0	.0	761.9	761.9	1.89	.288	6.8	4.252
XEAK		Acambaro	Mx	1380	.250	2677.3	2684.8	174.4	355.7	32.0	41.4	.0	.0	163.9	163.9	8.50	.279	6.6	4.261
XEKV		Villahermosa	Mx	1380	.500	3051.8	3058.4	158.5	343.9	31.1	41.0	.0	.0	199.4	199.4	6.65	.265	6.2	4.269
TILX		Guanacaste	Cs	1380	1.000	4086.5	4091.4	149.9	338.5	27.6	38.0	.0	.0	309.5	309.5	4.19	.259	6.1	4.277
KLTX	LIC	Long Beach	CA	1390	3.600	1713.3	1724.9	233.9	44.4	39.2	47.2	.9	4.1	719.9	719.4	16.54	.238	5.6	4.284
WABH	LIC	Bath	NY	1380	.119	2100.1	2109.6	86.2	284.1	43.9	54.5	.0	1.8	171.9	171.9	6.84	.235	5.5	4.290
KUND	LIC	Grand Forks	ND	1370	.250	640.7	671.2	45.3	229.7	46.0	55.4	11.2	19.0	166.6	159.9	65.74	.210	4.9	4.295
CFDA		Victoriaville	Cn	1380	10.000	2442.5	2450.7	73.8	276.2	46.1	56.8	.0	.1	264.9	264.9	3.60	.191	4.4	4.300
WVBB	LIC	Richmond	VA	1380	5.000	2268.7	2277.5	99.4	296.4	41.5	52.1	.0	.9	132.9	132.9	7.03	.187	4.3	4.304
HJMM		Valledupar	Co	1380	1.000	4699.1	4703.4	133.1	327.7	28.1	39.1	.0	.0	309.5	309.5	2.94	.182	4.2	4.307
HJLM		Medellin 1	Co	1380	1.000	5005.1	5009.1	139.3	331.9	25.7	36.6	.0	.0	309.5	309.5	2.93	.182	4.2	4.311
KGNO	LIC	Dodge City	KS	1370	.230	744.1	770.5	158.6	340.6	40.9	50.2	9.3	16.1	143.9	141.3	63.26	.179	4.1	4.315
HJEJ		Palmira 2	Co	1380	1.000	5269.7	5273.5	142.2	333.8	24.1	34.9	.0	.0	309.5	309.5	2.85	.176	4.1	4.319
4VARH		Pt Au Prince	Ha	1380	.700	4033.8	4038.8	124.7	321.5	32.2	43.2	.0	.0	258.9	258.9	3.40	.176	4.1	4.322
HJLG		La Dorada 1	Co	1380	1.000	5141.8	5145.7	138.9	331.7	25.2	36.1	.0	.0	309.5	309.5	2.83	.175	4.0	4.326
HJID		Gigante	Co	1380	1.000	5395.5	5399.2	141.9	333.6	23.7	34.5	.0	.0	309.5	309.5	2.76	.171	3.9	4.329
YVTL		Caja Seca	Ve	1380	1.000	4970.8	4974.8	131.8	327.1	27.4	38.5	.0	.0	309.5	309.5	2.69	.166	3.8	4.332
WTJS	LIC	Jackson	TN	1390	1.000	1536.0	1549.0	122.5	311.7	40.1	50.1	1.9	5.4	456.1	455.8	17.96	.164	3.8	4.335
WOLA	LIC	Barranquitas	PR	1380	1.000	4474.8	4479.2	118.1	318.1	32.4	43.6	.0	.0	305.8	305.8	2.63	.161	3.7	4.338
WAOK	LIC	Atlanta	GA	1380	4.200	1973.6	1983.7	119.0	310.9	39.3	49.6	.0	2.4	70.4	70.4	11.24	.158	3.6	4.341
WTOB	LIC	Winston-salem	NC	1380	2.500	2124.2	2133.6	106.5	301.4	40.7	51.1	.0	1.6	88.8	88.8	8.75	.155	3.6	4.344
KDTH	LIC	Dubuque	IA	1370	5.000	1029.0	1048.3	95.3	283.9	43.4	53.3	5.6	10.7	236.9	235.7	32.35	.153	3.5	4.347
KSUM	LIC	Fairmont	MN	1370	1.000	699.2	727.3	90.7	276.7	43.9	53.5	10.1	17.3	131.8	109.9	62.26	.137	3.1	4.349
WHEW	CP	Franklin	TN	1380	.250	1651.0	1663.0	117.6	308.1	40.3	50.4	1.3	4.5	40.2	40.1	15.37	.123	2.8	4.351
WKJV	LIC	Asheville	NC	1380	1.000	1984.9	1995.0	111.1	304.4	40.3	50.6	.0	2.4	58.0	58.0	10.42	.121	2.8	4.352
KWRM	LIC	Corona	CA	1370	2.500	1673.1	1685.0	232.4	43.4	39.2	47.2	1.1	4.4	348.5	348.4	17.28	.120	2.8	4.354
WNNY	LIC	New York	NY	1380	5.000	2403.4	2411.7	88.4	288.3	43.4	54.1	.0	.3	114.6	114.6	5.18	.119	2.7	4.356
KTOM	LIC	Salinas	CA	1380	5.000	1756.3	1767.7	248.7	56.6	40.7	48.4	.7	3.8	36.4	36.6	14.99	.110	2.5	4.357
WOOM	LIC	Millington	TN	1380	1.000	1489.3	1502.6	126.1	314.6	39.9	49.8	2.2	5.8	26.9	27.9	19.29	.108	2.5	4.358
WGCL	LIC	Bloomington	IN	1370	.500	1474.4	1487.9	105.7	296.8	41.9	52.0	2.3	5.9	254.0	253.7	17.53	.089	2.0	4.359
KRNN	LIC	North Little Roc	AR	1380	2.500	1383.1	1397.5	133.6	320.6	39.6	49.4	2.8	6.7	18.5	18.4	22.56	.083	1.9	4.360
WMYF	LIC	Portsmouth	NH	1380	1.000	2596.4	2604.1	81.0	283.6	44.7	55.5	.0	.0	111.5	111.5	3.64	.081	1.9	4.361
WDEF	LIC	Chattanooga	TN	1370	5.000	1821.9	1832.8	117.2	308.6	39.9	50.1	.4	3.4	301.4	301.4	12.82	.077	1.8	4.361

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Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (%)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)						
KJCE	LIC	Rollingwood	TX	1370	.500	1602.3	1614.8	160.4	343.8	37.2	46.7	1.5	4.9	202.9	202.8	19.05	.077	1.8	4.362
WKJF	LIC	Cadillac	MI	1370	1.000	1415.8	1429.9	82.9	275.3	44.5	54.6	2.6	6.4	240.4	239.9	15.99	.077	1.8	4.363
KSLM	LIC	Salem	OR	1390	.690	1576.0	1588.6	280.8	86.8	44.9	52.5	1.7	5.1	258.0	257.8	14.87	.077	1.8	4.363
WFNW	LIC	Naugatuck	CT	1380	.500	2461.3	2469.4	86.0	286.7	43.8	54.5	.0	.0	79.0	79.0	4.67	.074	1.7	4.364
CFOK		Westlock	Cn	1370	10.000	1359.2	1373.8	329.1	141.0	49.2	57.4	3.0	6.9	269.7	272.4	13.54	.074	1.7	4.365
KVIN	LIC	Turlock	CA	1390	5.000	1637.1	1649.2	249.8	58.3	41.1	48.9	1.3	4.6	216.9	216.5	16.81	.073	1.7	4.365
DWAZI	LIC	Sussex	WI	1370	.500	1211.2	1227.6	89.8	280.2	43.8	53.8	4.0	8.4	150.1	150.1	23.13	.069	1.6	4.366
WSYB	LIC	Rutland	VT	1380	1.000	2409.5	2417.8	80.6	281.7	44.8	55.5	.0	.2	79.0	79.0	4.38	.069	1.6	4.366
KBBO	LIC	Yakima	WA	1390	.500	1376.4	1390.9	287.9	95.6	45.6	53.4	2.9	6.7	185.9	185.3	18.42	.068	1.6	4.367
KHOB	LIC	Hobbs	NM	1390	.500	1255.7	1271.5	180.0	360.0	38.4	47.5	3.7	7.9	116.1	115.6	28.74	.066	1.5	4.367
WSPD	LIC	Toledo	OH	1370	5.000	1621.3	1633.5	92.8	286.2	43.2	53.5	1.4	4.7	250.2	253.3	13.12	.066	1.5	4.368
KENN	LIC	Farmington	NM	1390	1.300	916.0	937.6	208.9	25.7	40.4	49.2	6.9	12.6	47.7	66.3	46.72	.062	1.4	4.368
WDCW	LIC	Syracuse	NY	1390	5.000	2166.1	2175.4	83.1	281.9	44.4	55.0	.0	1.4	512.8	512.8	6.04	.062	1.4	4.369
WCOA	LIC	Pensacola	FL	1370	5.000	2058.5	2068.2	131.9	321.6	37.5	47.7	.0	2.0	250.6	250.6	11.35	.057	1.3	4.369
WRIG	LIC	Schofield	WI	1390	5.000	1077.8	1096.2	80.3	269.8	44.7	54.5	5.2	10.1	101.4	101.2	27.58	.056	1.3	4.370
YVZC		Maracaibo 5	Ve	1390	10.000	4784.8	4788.9	131.2	326.6	28.2	39.2	.0	.0	978.6	978.6	2.79	.055	1.3	4.370
XEHAY		Huayacocotla	Mx	1370	1.000	2648.6	2656.1	169.0	351.6	32.3	41.9	.0	.0	305.5	305.5	8.58	.052	1.2	4.370
XEPJ		San Pedro Tlaque	Mx	1370	1.000	2601.2	2608.9	180.3	.2	32.3	41.6	.0	.0	292.4	292.4	8.96	.052	1.2	4.370
KPCO	LIC	Quincy	CA	1370	.500	1528.9	1541.9	258.8	66.9	42.3	50.1	1.9	5.4	137.5	137.3	18.13	.050	1.1	4.371
XE		Tehuacan	Mx	1390	1.000	2892.2	2899.1	167.4	350.5	31.3	40.9	.0	.0	305.5	305.5	7.42	.045	1.0	4.371
WKDR	LIC	Burlington	VT	1390	5.000	2373.6	2382.0	78.2	279.4	45.3	55.9	.0	.4	501.0	501.0	4.33	.043	1.0	4.371
KFRA	LIC	Franklin	LA	1390	.244	1883.2	1893.8	143.0	330.1	37.1	47.0	.1	3.0	151.0	151.0	13.92	.042	1.0	4.371
XEXO		Cd.mante	Mx	1390	.500	2401.5	2409.8	169.4	351.8	33.4	42.9	.0	.3	204.0	204.0	10.06	.041	0.9	4.372
HJFO		Manizales 6	Co	1390	5.000	5100.0	5103.9	140.0	332.3	25.2	36.1	.0	.0	692.0	692.0	2.89	.040	0.9	4.372
HJFY		Espinal	Co	1390	5.000	5232.9	5236.7	139.7	332.2	24.7	35.6	.0	.0	692.0	692.0	2.80	.039	0.9	4.372
YVJI		Ejido	Ve	1370	5.000	5044.6	5048.6	132.6	327.7	27.0	38.0	.0	.0	718.0	718.0	2.67	.038	0.9	4.372
XESX		Tuxtla Gutierrez	Mx	1390	1.000	3177.4	3183.6	159.5	344.7	30.5	40.4	.0	.0	304.3	304.3	6.24	.038	0.9	4.372
HJKX		Bogota 9	Co	1370	5.000	5272.7	5276.5	138.9	331.7	24.7	35.7	.0	.0	692.0	692.0	2.74	.038	0.9	4.372
WGCI	LIC	Chicago	IL	1390	5.000	1285.2	1300.7	96.1	286.7	43.1	53.2	3.5	7.6	86.9	85.5	21.41	.037	0.8	4.373
YVSV		Araure	Ve	1370	5.000	5076.2	5080.2	129.5	325.8	27.6	38.7	.0	.0	718.0	718.0	2.53	.036	0.8	4.373
KFRO	LIC	Longview	TX	1370	1.000	1478.7	1492.1	147.3	332.5	38.3	48.1	2.2	5.8	84.1	84.0	21.06	.035	0.8	4.373
XERPU		Durango	Mx	1370	.250	2227.9	2236.8	183.8	3.0	34.0	43.1	.0	1.1	151.1	151.1	11.53	.035	0.8	4.373
WLTH	LIC	Gary	IN	1370	.500	1321.0	1336.0	96.5	287.3	43.1	53.1	3.2	7.3	85.5	85.2	20.35	.035	0.8	4.373
CFLV		Valleyfield	Cn	1370	5.000	2288.7	2297.4	76.5	277.1	45.6	56.2	.0	.8	374.3	374.3	4.60	.034	0.8	4.373

D.L. Markley & Associates, Inc.
Peoria, IL

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Monday, January 15, 2001

Dataworld AM Detailed Individual Night Limit for Study Site (Contributor Records)

Title: KOTA

Frequency: 1380 kHz

Database: FCC

Latitude: N 44° 02' 00.0"

Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (%)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)						
TGAC		Vozdecolomba	Gt	1370	1.000	3437.1	3442.9	158.0	343.9	29.5	39.5	.0	.0	309.5	309.5	5.53	.034	0.8	4.373
HJEQ		Popayan	Co	1370	5.000	5659.5	5663.0	136.1	330.1	23.9	34.9	.0	.0	692.0	692.0	2.44	.034	0.8	4.374
YVZA		Caracas 9	Ve	1390	5.000	5094.3	5098.3	125.9	323.7	28.4	39.6	.0	.0	692.0	692.0	2.38	.033	0.8	4.374
YVLO		La Pascua	Ve	1370	5.000	5276.7	5280.5	126.1	323.9	27.8	39.0	.0	.0	718.0	718.0	2.28	.033	0.7	4.374
WROA	LIC	Gulfport	MS	1390	5.000	1953.0	1963.2	135.9	324.5	37.5	47.5	.0	2.6	128.9	128.9	12.69	.033	0.7	4.374
XERW		Leon	Mx	1390	.250	2550.6	2558.4	176.3	357.1	32.6	41.9	.0	.0	176.6	176.6	9.22	.033	0.7	4.374
HRBJ		La Paz	Ho	1370	1.000	3616.3	3621.9	151.2	339.1	29.4	39.6	.0	.0	309.5	309.5	4.95	.031	0.7	4.374
YNJD		Radio Patria	Nu	1370	1.200	3890.2	3895.4	149.1	337.8	28.5	38.9	.0	.0	339.0	339.0	4.43	.030	0.7	4.374
CJCY		Medicine Hat	Cn	1390	10.000	865.5	888.3	322.2	136.7	47.1	55.6	7.5	13.5	36.1	38.4	38.88	.030	0.7	4.374
WEED	LIC	Rocky Mount	NC	1390	2.500	2327.2	2335.8	104.0	300.5	40.7	51.3	.0	.6	208.4	208.4	7.09	.030	0.7	4.374
WTMC	LIC	Wilmington	DE	1380	1.000	2316.5	2325.1	92.1	290.7	42.7	53.4	.0	.7	24.2	24.3	6.02	.029	0.7	4.375
WXTC	LIC	Charleston	SC	1390	5.000	2360.4	2368.8	114.0	308.6	39.0	49.5	.0	.5	159.9	159.9	7.75	.025	0.6	4.375
HCJS1		Pimanpiro	Ec	1370	2.000	5491.8	5495.5	145.8	336.2	22.5	33.3	.0	.0	437.6	437.6	2.81	.025	0.6	4.375
ZYH-701		Caracarai	Br	1390	5.000	6315.3	6318.5	126.8	324.9	24.0	35.3	.0	.0	654.0	654.0	1.87	.025	0.6	4.375
KBEC	LIC	Waxahachie	TX	1390	.260	1402.6	1416.8	154.6	338.5	38.3	47.9	2.7	6.5	52.4	52.1	23.36	.024	0.6	4.375
XECTA		Cuautla	Mx	1390	.250	2834.6	2841.6	170.6	352.9	31.4	41.0	.0	.0	152.8	152.8	7.71	.024	0.5	4.375
WRSC	LIC	State College	PA	1390	1.000	2094.2	2103.8	91.1	288.3	43.1	53.7	.0	1.8	154.6	154.6	7.41	.023	0.5	4.375
CHPQ		Parksville	Cn	1370	1.000	1706.5	1718.2	297.5	102.0	47.2	54.6	1.0	4.1	105.8	105.8	10.72	.023	0.5	4.375
HOO 38		Radio Colosa	Pm	1370	1.000	4473.9	4478.4	147.1	336.8	26.4	37.0	.0	.0	309.5	309.5	3.65	.023	0.5	4.375
4VMM		Les Cayes	Ha	1370	1.000	3973.8	3978.8	126.9	322.8	31.9	42.8	.0	.0	309.5	309.5	3.57	.022	0.5	4.375
WDEA	LIC	Ellsworth	ME	1370	5.000	2744.3	2751.6	76.7	281.3	45.6	56.5	.0	.0	379.6	379.6	2.79	.021	0.5	4.375
WTAB	LIC	Tabor City	NC	1370	.109	2356.8	2365.3	109.5	305.0	39.7	50.3	.0	.5	141.3	141.3	7.40	.021	0.5	4.375
HJBO		Barranquilla	Co	1370	1.000	4582.9	4587.2	134.9	328.8	28.2	39.0	.0	.0	309.5	309.5	3.10	.019	0.4	4.375
HJNI		Sincelejo	Co	1370	1.000	4719.2	4723.4	136.9	330.2	27.3	38.1	.0	.0	309.5	309.5	3.07	.019	0.4	4.375
WXXI	LIC	Rochester	NY	1370	5.000	2057.7	2067.4	83.9	281.7	44.3	54.8	.0	2.0	136.7	136.7	6.92	.019	0.4	4.375
HJNU		Rionegro	Co	1370	1.000	5008.2	5012.2	139.0	331.7	25.7	36.6	.0	.0	309.5	309.5	2.92	.018	0.4	4.375
CHOO		Ajax	Cn	1390	10.000	1931.7	1942.0	82.2	279.1	44.6	55.0	.0	2.7	114.8	114.8	7.84	.018	0.4	4.375
HJZY		Bucaramanga	Co	1390	1.000	5035.6	5039.6	135.6	329.5	26.3	37.3	.0	.0	309.5	309.5	2.79	.017	0.4	4.375
WZHF	LIC	Arlington	VA	1390	5.000	2231.3	2240.3	95.8	293.2	42.2	52.8	.0	1.1	124.5	124.5	6.91	.017	0.4	4.376
HJBD		Cucuta 1	Co	1370	1.000	5083.3	5087.2	134.9	329.1	26.3	37.3	.0	.0	309.5	309.5	2.73	.017	0.4	4.376
WISA	LIC	Isabela	PR	1390	1.000	4397.2	4401.8	118.5	318.2	32.5	43.7	.0	.0	305.8	305.8	2.73	.017	0.4	4.376
CFVD		Ville Degelis	Cn	1370	1.000	2686.4	2693.9	69.4	274.6	47.1	57.9	.0	.0	342.4	342.4	2.37	.016	0.4	4.376
WIVV	LIC	Island Of Vieque	PR	1370	1.000	4540.6	4545.0	117.2	317.7	32.5	43.6	.0	.0	312.2	312.2	2.54	.016	0.4	4.376
KZSF	LIC	San Jose	CA	1370	5.000	1735.8	1747.3	251.1	58.8	41.1	48.8	.8	3.9	50.1	51.0	15.11	.015	0.4	4.376

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Peoria, IL

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Dataworld AM Detailed Individual Night Limit for Study Site (Contributor Records)

Title: KOTA

Frequency: 1380 kHz
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Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)		RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)						
HCIE1		Urcuqui	Ec	1390	.750	5475.8	5479.4	146.1	336.4	22.5	33.3	.0	.0	268.0	268.0	2.83	.015	0.3	4.376
WNIO	CP	Youngstown	OH	1390	4.200	1876.4	1887.0	92.7	288.1	43.0	53.5	.2	3.0	70.6	71.2	9.62	.014	0.3	4.376
WLAN	LIC	Lancaster	PA	1390	1.000	2249.9	2258.7	92.0	290.2	42.8	53.4	.0	1.0	101.0	101.0	6.41	.013	0.3	4.376
HCVE4		Esmeraldas	Ec	1390	.400	5405.4	5409.1	147.9	337.6	22.5	33.2	.0	.0	195.7	195.7	2.92	.011	0.3	4.376
WWCB	LIC	Corry	PA	1370	.500	1921.4	1931.8	88.8	284.9	43.6	54.0	.0	2.8	62.0	62.0	8.70	.011	0.2	4.376
WADA	LIC	Shelby	NC	1390	.500	2081.8	2091.3	110.3	304.3	40.2	50.6	.0	1.8	55.0	55.0	9.45	.010	0.2	4.376
WEGP	LIC	Presque Isle	ME	1390	5.000	2738.2	2745.5	71.4	276.8	46.7	57.6	.0	.0	202.7	202.7	2.38	.010	0.2	4.376
WFEA	LIC	Manchester	NH	1370	5.000	2547.0	2554.9	81.7	283.8	44.6	55.4	.0	.0	106.7	106.7	3.89	.008	0.2	4.376
KAST	LIC	Astoria	OR	1370	1.000	1633.9	1646.1	285.6	90.9	45.6	53.1	1.4	4.6	18.0	18.7	13.28	.005	0.1	4.376
WHMA	LIC	Anniston	AL	1390	1.000	1882.6	1893.2	121.7	312.7	39.2	49.4	.1	3.0	19.4	19.4	12.47	.005	0.1	4.376
WPLM	LIC	Plymouth	MA	1390	5.000	2634.2	2641.8	83.6	286.1	44.2	55.0	.0	.0	57.6	57.6	3.74	.004	0.1	4.376

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Peoria, IL

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Monday, January 15, 2001

Dataworld AM Detailed Individual Night Limit for Study Site (Non-Contributor Records)

Title: KOTA

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Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)					
KQKD	LIC	Redfield	SD	1380	.142	383.6	432.6	73.9	257.1	44.5	53.9	19.7	31.1	63.7	58.6	146.46	1.716	
KMUS	???	Muskogee	OK	1380	.500	1058.2	1077.0	142.2	326.9	40.2	49.8	5.4	10.3	225.8	220.0	35.89	1.579	
KUVR	LIC	Holdrege	NE	1380	.062	506.6	544.7	140.7	323.3	42.3	51.6	14.7	24.1	76.5	70.3	107.70	1.515	
KMUS	???	Muskogee	OK	1380	.500	1132.5	1150.0	141.4	326.5	40.0	49.6	4.7	9.4	225.6	221.1	32.11	1.420	
XECO		Iztacalco	Mx	1380	5.000	2765.2	2772.4	170.8	353.0	31.7	41.2	.0	.0	658.1	658.1	8.03	1.057	
XEKT1		Tecate	Mx	1380	1.000	1734.7	1746.2	227.1	38.6	38.5	46.6	.8	3.9	300.4	300.3	16.52	.992	
CKPC		Brantford	Cn	1380	25.000	1840.7	1851.5	85.4	281.3	44.1	54.5	.3	3.2	522.7	522.7	9.18	.959	
KSRV	???	Ontario	OR	1380	1.000	1100.5	1118.5	274.9	85.3	44.2	52.3	5.0	9.8	146.3	155.9	30.10	.938	
CMHY		Cent Brasil	Cu	1380	10.000	3388.6	3394.5	128.7	322.8	33.5	44.2	.0	.0	978.6	978.6	4.74	.927	
KTZK	APP	Sacramento	CA	1380	5.000	1617.4	1629.7	254.1	62.1	41.6	49.4	1.4	4.8	272.2	271.5	16.83	.914	
KCIM	SMV	Carroll	IA	1380	1.000	709.7	737.4	105.3	291.0	43.1	52.7	9.9	17.0	73.8	71.8	62.78	.902	
KTZK	APP	Sacramento	CA	1380	5.000	1650.6	1662.7	254.5	62.3	41.6	49.3	1.3	4.5	274.1	273.7	16.21	.887	
KTZK	LIC	Sacramento	CA	1380	5.000	1650.6	1662.7	254.5	62.3	41.6	49.3	1.3	4.5	274.1	273.7	16.21	.887	
KMUS	???	Sperry	OK	1380	.750	1058.2	1077.0	142.2	326.9	40.2	49.8	5.4	10.3	124.6	121.9	35.89	.875	
KMUS	???	Sperry	OK	1380	.250	1058.2	1077.0	142.2	326.9	40.2	49.8	5.4	10.3	124.6	121.8	35.89	.874	
YNRH1		R Revolucion	Nu	1380	10.000	3937.9	3943.0	148.9	337.7	28.3	38.7	.0	.0	978.6	978.6	4.36	.853	
KRKO	???	Everett	WA	1380	50.000	1516.9	1530.1	293.0	99.3	46.3	54.0	2.0	5.5	281.0	287.2	14.50	.833	
KSLG	LIC	St. Louis	MO	1380	1.000	1241.2	1257.2	115.1	303.7	41.5	51.4	3.8	8.1	156.4	154.1	25.24	.778	
KMUL	LIC	Muleshoe	TX	1380	.148	1090.9	1109.1	177.8	358.1	39.1	48.3	5.1	9.9	109.0	108.4	35.79	.776	
YSMM		San Salvador	Es	1380	5.000	3618.8	3624.3	154.2	341.2	29.1	39.2	.0	.0	692.0	692.0	5.05	.699	
XEPIC		Tepic	Mx	1380	1.000	2508.7	2516.7	184.1	3.2	32.8	41.9	.0	.0	305.5	305.5	9.53	.582	
XERS		Gomez Palacio	Mx	1380	.250	2055.2	2064.9	180.8	.6	34.8	44.0	.0	2.0	217.0	217.0	13.10	.568	
KAGE	LIC	Winona	MN	1380	.052	923.9	945.3	86.0	274.0	44.2	54.0	6.8	12.4	70.1	69.3	37.92	.526	
KAGE	SMV	Winona	MN	1380	.052	923.9	945.3	86.0	274.0	44.2	54.0	6.8	12.4	70.1	69.3	37.92	.526	
XETP1		Banderilla	Mx	1380	1.000	2781.3	2788.4	165.9	349.3	31.8	41.5	.0	.0	313.3	313.3	7.88	.494	
XEAPM		Apatzingan	Mx	1380	1.000	2773.6	2780.8	177.9	358.4	31.6	40.9	.0	.0	305.5	305.5	8.07	.493	
XEPAB		La Paz	Mx	1380	.500	2303.3	2311.9	198.7	14.7	34.1	42.8	.0	.7	214.9	214.9	10.92	.469	
KCNW	LIC	Fairway	KS	1380	.029	896.4	918.4	125.1	310.7	41.6	51.3	7.1	12.9	52.1	51.5	45.13	.465	
KXSS	???	Waite Pk, St. Cl	MN	1390	1.000	723.6	750.7	73.5	259.8	44.9	54.5	9.6	16.6	416.8	412.2	56.37	.465	
XE0015		San Luis Potosi	Mx	1380	.500	2441.1	2449.2	174.5	355.7	33.1	42.5	.0	.1	215.2	215.2	9.87	.425	
KRCM	LIC	Beaumont	TX	1380	.127	1748.5	1759.9	149.9	335.4	37.1	46.9	.8	3.8	124.5	124.4	16.10	.401	
CJWW		Saskatoon	Cn	1370	10.000	933.3	954.5	344.6	161.9	48.1	56.8	6.7	12.3	656.5	646.3	30.97	.400	
CKPC		Brantford	Cn	1380	10.000	1840.7	1851.5	85.4	281.3	44.1	54.5	.3	3.2	218.0	218.0	9.18	.400	
KCII	LIC	Washington	IA	1380	.025	985.1	1005.2	104.0	291.8	42.8	52.6	6.1	11.4	45.8	45.1	36.20	.327	

D.L. Markley & Associates, Inc.
Peoria, IL

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Monday, January 15, 2001

Dataworld AM Detailed Individual Night Limit for Study Site (Non-Contributor Records)

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)					
XEKT		Tecate	Mx	1380	.100	1734.7	1746.2	227.1	38.6	38.5	46.6	.8	3.9	95.0	95.0	16.52	.314	
XEVD		Cd.allende	Mx	1380	.100	1758.2	1769.6	172.4	353.8	36.2	45.5	.7	3.8	92.8	92.8	16.70	.310	
KLPZ	LIC	Parker	AZ	1380	.058	1454.6	1468.3	224.7	37.7	39.2	47.5	2.4	6.0	69.8	69.7	22.12	.308	
XEHF		Nogales	Mx	1370	5.000	1568.2	1580.9	208.2	23.5	37.7	46.3	1.7	5.1	711.2	710.7	20.09	.286	
KJJL	LIC	Cheyenne	WY	1370	.088	349.5	402.7	202.8	21.7	42.6	51.6	21.6	33.6	84.8	77.2	172.56	.267	
TGEB		Momostenango	Gt	1380	.500	3409.4	3415.2	157.3	343.3	29.7	39.7	.0	.0	218.8	218.8	5.57	.244	
KJME	LIC	Denver	CO	1390	.139	509.4	547.2	197.9	16.7	41.8	50.8	14.6	24.0	117.0	111.0	108.87	.242	
KJME	SMV	Denver	CO	1390	.139	509.4	547.2	197.9	16.7	41.8	50.8	14.6	24.0	117.0	111.0	108.87	.242	
KLTX	SMV	Long Beach	CA	1390	3.600	1713.3	1724.9	233.9	44.4	39.2	47.2	.9	4.1	719.9	719.4	16.54	.238	
KLBA	LIC	Albia	IA	1370	.128	919.7	941.2	107.8	294.9	42.6	52.4	6.8	12.5	285.2	282.3	41.28	.233	
WNLA	LIC	Indianola	MS	1380	.044	1596.5	1609.0	133.1	321.0	38.9	48.9	1.6	4.9	65.9	65.8	17.65	.232	
WNLA	LIC	Indianola	MS	1380	.044	1598.8	1611.3	133.1	321.0	38.9	48.9	1.5	4.9	65.9	65.8	17.61	.232	
KAWL	LIC	York	NE	1370	.176	580.3	613.8	125.8	309.5	42.5	51.9	12.6	21.1	131.0	121.7	87.91	.214	
WGUS	LIC	North Augusta	SC	1380	.070	2173.1	2182.3	115.4	308.9	39.2	49.7	.0	1.4	112.4	112.4	9.15	.206	
WGUS	SMV	North Augusta	SC	1380	.070	2173.1	2182.3	115.4	308.9	39.2	49.7	.0	1.4	112.4	112.4	9.15	.206	
WVSA	LIC	Vernon	AL	1380	.039	1725.6	1737.2	126.2	315.7	39.2	49.3	.9	4.0	68.0	68.0	14.93	.203	
HISC		Santiago 5	Dr	1380	1.000	4063.8	4068.7	121.7	319.5	32.8	43.8	.0	.0	309.5	309.5	3.24	.201	
WYSH	LIC	Clinton	TN	1380	.080	1837.9	1848.7	112.1	304.5	40.5	50.7	.3	3.3	79.8	79.8	12.14	.194	
CFDA		Victoriaville	Cn	1380	10.000	2442.5	2450.7	73.8	276.2	46.1	56.8	.0	.1	265.0	265.0	3.60	.191	
WRAB	LIC	Arab	AL	1380	.049	1793.8	1804.9	121.3	311.9	39.5	49.7	.5	3.5	66.3	66.3	13.55	.180	
XETP		Banderilla	Mx	1380	.130	2781.3	2788.4	165.9	349.3	31.8	41.5	.0	.0	110.8	110.8	7.88	.175	
WHEW	LIC	Franklin	TN	1380	.500	1650.8	1662.9	117.4	308.0	40.3	50.4	1.3	4.5	56.2	56.1	15.36	.172	
WMJR	LIC	Winchester	KY	1380	.040	1725.5	1737.1	106.3	298.8	41.4	51.7	.9	4.0	62.8	62.8	13.05	.164	
WMTA	LIC	Central City	KY	1380	.023	1543.9	1556.8	113.6	304.1	40.9	51.0	1.8	5.3	47.6	47.6	16.93	.161	
WLRV	LIC	Lebanon	VA	1380	.063	1943.2	1953.5	106.8	300.6	41.0	51.3	.0	2.6	76.8	76.8	10.42	.160	
WDLW	LIC	Lorain	OH	1380	.057	1737.2	1748.6	92.3	286.6	43.2	53.5	.8	3.9	70.7	70.7	11.29	.160	
WDLW	SMV	Lorain	OH	1380	.057	1737.2	1748.6	92.3	286.6	43.2	53.5	.8	3.9	70.7	70.7	11.29	.160	
KWJL	PRM	Lancaster	CA	1380	.011	1648.8	1660.9	236.2	46.6	39.6	47.6	1.3	4.5	44.7	44.7	17.50	.156	
KJAM	LIC	Madison	SD	1390	.062	480.8	520.8	88.2	272.4	44.1	53.5	15.6	25.3	70.2	66.9	109.70	.147	
XEOR1		Reynosa	Mx	1390	1.000	2056.0	2065.7	165.6	348.5	35.0	44.6	.0	2.0	540.4	540.4	12.84	.139	
WYSH	SMV	Clinton	TN	1380	.500	1837.9	1848.7	112.1	304.5	40.5	50.7	.3	3.3	55.1	55.1	12.14	.134	
WAGS	PRM	Bishopville	SC	1380	.067	2250.7	2259.5	111.2	305.8	39.7	50.2	.0	1.0	80.4	80.4	8.23	.132	
WWRF	SMV	Lake Worth	FL	1380	.103	2835.1	2842.1	125.4	319.0	35.9	46.4	.0	.0	95.6	95.6	6.23	.119	
WWRF	LIC	Lake Worth	FL	1380	.103	2835.1	2842.1	125.4	319.0	35.9	46.4	.0	.0	95.6	95.6	6.23	.119	

D.L. Markley & Associates, Inc.
Peoria, IL

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Monday, January 15, 2001

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Frequency: 1380 kHz
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Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)					
WNNY	SMV	New York	NY	1380	5.000	2403.4	2411.7	88.4	288.3	43.4	54.1	.0	.3	114.6	114.6	5.18	.119	
XEOBS1		Cd.obregon	Mx	1370	1.000	1935.5	1945.9	200.4	16.4	35.8	44.5	.0	2.7	399.4	399.4	14.43	.115	
KSLM	SMV	Salem	OR	1390	1.000	1576.4	1589.0	280.6	86.6	44.9	52.5	1.7	5.1	376.6	376.0	14.89	.112	
XETY1		Tecoman	Mx	1390	5.000	2793.2	2800.4	181.6	1.2	31.5	40.7	.0	.0	683.7	683.7	8.00	.109	
XENVA2		Cd.juarez	Mx	1370	.500	1397.0	1411.3	193.0	11.0	37.9	46.8	2.7	6.6	216.1	215.7	24.35	.105	
KNCK	LIC	Concordia	KS	1390	.054	674.0	703.1	135.6	319.2	41.8	51.3	10.5	18.0	72.6	70.6	71.49	.101	
XEOBS2		Cd.obregon	Mx	1370	5.000	1930.8	1941.2	200.2	16.3	35.8	44.5	.0	2.7	328.4	328.4	14.49	.095	
KRFO	LIC	Owatonna	MN	1390	.094	799.2	823.8	86.2	273.2	44.2	53.9	8.4	14.8	96.2	94.6	49.13	.093	
KRFO	SMV	Owatonna	MN	1390	.094	799.2	823.8	86.2	273.2	44.2	53.9	8.4	14.8	96.2	94.6	49.13	.093	
WTYM	LIC	Kittanning	PA	1380	.028	1967.7	1977.8	92.3	288.4	43.0	53.5	.0	2.5	53.1	53.1	8.65	.092	
WGCL	SMV	Bloomington	IN	1370	.500	1474.4	1487.9	105.7	296.8	41.9	52.0	2.3	5.9	254.0	253.7	17.53	.089	
XEOR		Reynosa	Mx	1390	1.000	2055.2	2064.9	165.6	348.5	35.0	44.6	.0	2.0	323.9	323.9	12.85	.083	
-2000013	???	Manning	MI	1390	1.000	1494.2	1507.5	77.3	270.6	45.1	55.3	2.1	5.7	305.8	305.5	13.49	.082	
-2000102	???	Manning	MI	1390	1.000	1494.2	1507.5	77.3	270.6	45.1	55.3	2.1	5.7	305.8	305.5	13.49	.082	
WMYF	MV	Portsmouth	NH	1380	1.000	2596.4	2604.1	81.0	283.6	44.7	55.5	.0	.0	111.5	111.5	3.64	.081	
XEV		Chihuahua	Mx	1390	.500	1733.1	1744.6	189.4	7.7	36.3	45.3	.8	3.9	229.9	229.8	17.28	.079	
KWJL	PRM	Lancaster	CA	1380	.062	1839.1	1850.0	141.1	328.4	37.4	47.3	.3	3.3	26.6	26.6	14.37	.076	
DKPOS	LIC	Post	TX	1370	.158	1211.2	1227.6	172.2	353.3	38.6	47.9	4.0	8.4	124.7	124.2	30.26	.075	
TGYZ		Radioistmani	Gt	1390	5.000	3479.5	3485.2	156.1	342.4	29.5	39.6	.0	.0	692.0	692.0	5.38	.074	
KVIN	SMV	Turlock	CA	1390	5.000	1637.1	1649.2	249.8	58.3	41.1	48.9	1.3	4.6	216.9	216.5	16.81	.073	
KJME	???	Denver	CO	1390	.115	493.4	532.4	198.0	16.8	41.9	50.9	15.1	24.7	32.7	30.9	113.53	.070	
HRVC		Tegucigalpa	Ho	1390	5.000	3636.9	3642.3	150.7	338.7	29.4	39.6	.0	.0	692.2	692.2	4.90	.068	
XERW1		Leon	Mx	1390	1.000	2550.6	2558.4	176.3	357.1	32.6	41.9	.0	.0	353.3	353.3	9.22	.065	
XE		Agua Prieta	Mx	1390	.250	1519.8	1532.9	203.7	19.7	37.7	46.4	2.0	5.5	152.0	151.9	21.20	.064	
CMHL		Camaguey	Cu	1390	5.000	3433.8	3439.6	129.1	323.2	33.3	44.0	.0	.0	692.0	692.0	4.65	.064	
KALN	LIC	Iola	KS	1370	.058	943.2	964.2	133.6	318.7	41.0	50.7	6.5	12.1	76.0	75.8	42.38	.064	
WHGT	PRM	Waynesboro	PA	1380	.020	2161.4	2170.7	93.9	291.1	42.6	53.2	.0	1.4	44.4	44.4	7.20	.064	
KWRT	LIC	Boonville	MO	1370	.084	1034.4	1053.6	119.6	306.5	41.6	51.4	5.6	10.7	88.6	88.0	35.12	.062	
WABH	SMV	Bath	NY	1380	.021	2099.0	2108.5	86.1	284.0	43.9	54.5	.0	1.8	44.3	44.3	6.84	.061	
XEJE		Dolores Hidalgo	Mx	1370	1.000	2550.8	2558.6	174.5	355.8	32.6	42.0	.0	.0	308.7	308.7	9.20	.057	
KJPW	LIC	Waynesville	MO	1390	.111	1154.5	1171.7	123.0	310.2	41.1	50.9	4.5	9.1	96.0	94.9	29.50	.056	
XEHG1		Mexicali	Mx	1370	.250	1656.9	1668.9	224.3	36.6	38.5	46.7	1.2	4.5	153.4	153.3	17.92	.055	
XE		Guamuchil	Mx	1390	.500	2109.5	2119.0	193.8	10.9	34.8	43.6	.0	1.7	216.0	216.0	12.60	.054	
WMLP	LIC	Milton	PA	1380	.018	2173.3	2182.5	89.8	287.7	43.3	53.9	.0	1.4	39.9	39.9	6.69	.053	

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Latitude: N 44° 02' 00.0"
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Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)					
KCNB	LIC	Holdenville	OK	1370	.074	1155.2	1172.3	147.5	331.8	39.6	49.2	4.5	9.1	84.9	84.5	31.50	.053	
XETL		Tuxpan	Mx	1390	1.000	2620.3	2627.9	166.5	349.6	32.5	42.1	.0	.0	304.4	304.4	8.69	.053	
XEMON		Monterrey	Mx	1370	.250	2059.2	2068.9	171.5	353.2	34.9	44.3	.0	2.0	200.6	200.6	12.94	.052	
XEPA1		Puebla	Mx	1370	1.000	2820.9	2828.0	169.0	351.6	31.5	41.1	.0	.0	328.7	328.7	7.75	.051	
XEPA1		Puebla	Mx	1370	1.000	2822.7	2829.8	169.1	351.7	31.5	41.1	.0	.0	328.7	328.7	7.74	.051	
XEQC		Puerto Peñasco	Mx	1390	.250	1677.4	1689.3	216.1	29.7	37.8	46.2	1.1	4.3	141.9	141.9	17.84	.051	
XESV1		Morelia	Mx	1370	1.000	2712.9	2720.3	175.5	356.5	31.9	41.2	.0	.0	303.3	303.3	8.34	.051	
YVTT		Cabudare	Ve	1390	10.000	4988.0	4992.1	128.8	325.3	28.1	39.2	.0	.0	978.6	978.6	2.56	.050	
XEZG		Ixmiquilpan	Mx	1390	1.000	2644.0	2651.6	170.8	352.9	32.3	41.8	.0	.0	285.8	285.8	8.63	.049	
WTMC	CP	Wilmington	DE	1380	.014	2325.5	2334.1	92.3	290.9	42.7	53.4	.0	.6	40.2	40.2	5.98	.048	
KZAR	LIC	Rogers	AR	1390	.049	1146.7	1164.0	135.2	321.0	40.3	50.0	4.6	9.2	77.7	77.0	30.98	.048	
KBEC	SMV	Waxahachie	TX	1390	.065	1402.7	1416.8	154.8	338.7	38.3	47.9	2.7	6.5	98.6	98.5	23.37	.046	
WCCN	CP	Neillsville	WI	1370	.042	1003.5	1023.2	82.2	271.0	44.5	54.3	5.9	11.1	71.2	70.2	31.99	.045	
WCCN	LIC	Neillsville	WI	1370	.042	1003.5	1023.2	82.2	271.0	44.5	54.3	5.9	11.1	71.2	70.2	31.99	.045	
XERUY1		Merida	Mx	1390	1.000	2863.7	2870.7	149.7	337.2	32.6	42.7	.0	.0	305.6	305.6	7.15	.044	
KULP	LIC	El Campo	TX	1390	.180	1758.4	1769.8	157.3	341.5	36.7	46.3	.7	3.8	132.5	132.4	16.27	.043	
KTMG	LIC	Deer Trail	CO	1370	.160	495.7	534.5	188.4	7.8	41.8	50.9	15.1	24.6	22.8	18.5	112.89	.042	
KDQN	PRM	De Queen	AR	1390	.086	1347.9	1362.6	142.6	328.2	39.1	48.8	3.1	7.0	83.5	83.2	24.22	.040	
XEA		Campeche	Mx	1370	1.000	2934.2	2941.0	152.5	339.3	32.1	42.1	.0	.0	290.2	290.2	6.94	.040	
KGEN	LIC	Tulare	CA	1370	.136	1622.3	1634.6	243.0	52.5	40.4	48.3	1.4	4.7	114.5	114.5	17.56	.040	
XEGNK1		Nuevo Laredo	Mx	1370	.250	1868.1	1878.7	168.7	350.8	35.8	45.2	.2	3.1	127.2	127.2	15.07	.038	
KAWW	PRM	Heber Springs	AR	1370	.071	1343.6	1358.4	131.2	318.4	39.9	49.7	3.1	7.1	81.5	81.3	23.49	.038	
YSJI		Usulután	Es	1390	1.500	3689.2	3694.6	153.1	340.5	28.9	39.1	.0	.0	379.0	379.0	4.89	.037	
CMCM		Jaruco	Cu	1390	1.000	3031.9	3038.5	133.5	325.5	34.0	44.5	.0	.0	309.5	309.5	5.94	.037	
CHLR		Moncton	Cn	1380	10.000	2992.8	2999.5	71.9	279.6	46.7	57.7	.0	.0	99.4	99.4	1.81	.036	
WFIW	LIC	Fairfield	IL	1390	.058	1390.2	1404.5	111.8	301.6	41.4	51.5	2.8	6.6	89.1	88.7	20.28	.036	
WLTH	SMV	Gary	IN	1370	.500	1321.0	1336.0	96.5	287.3	43.1	53.1	3.2	7.3	85.5	85.2	20.35	.035	
CFLV		Valleyfield	Cn	1370	5.000	2288.7	2297.4	76.5	277.1	45.6	56.2	.0	.8	374.3	374.3	4.60	.034	
WLTH	LIC	Gary	IN	1370	.500	1323.4	1338.4	96.6	287.4	43.1	53.1	3.2	7.2	84.4	84.2	20.30	.034	
WLTH	SMV	Gary	IN	1370	.500	1323.4	1338.4	96.6	287.4	43.1	53.1	3.2	7.2	84.4	84.2	20.30	.034	
KTPA	PRM	Prescott	AR	1370	.065	1416.8	1430.9	140.2	326.3	39.0	48.8	2.6	6.4	76.3	76.2	22.14	.034	
WNRI	LIC	Woonsocket	RI	1380	.018	2570.0	2577.8	83.9	285.8	44.1	54.9	.0	.0	42.1	42.1	4.01	.034	
HRST		S Pedro Sula	Ho	1370	1.000	3482.4	3488.2	151.0	338.8	30.0	40.2	.0	.0	309.5	309.5	5.22	.032	
KCRV	LIC	Caruthersville	MO	1370	.063	1436.5	1450.4	122.6	311.4	40.3	50.3	2.5	6.2	77.6	77.4	20.22	.031	

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Monday, January 15, 2001

Dataworld AM Detailed Individual Night Limit for Study Site (Non-Contributor Records)

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)					
HRTR		Danli	Ho	1370	1.000	3691.5	3696.9	149.5	337.9	29.3	39.6	.0	.0	309.5	309.5	4.76	.029	
WLLM	LIC	Lincoln	IL	1370	.035	1216.4	1232.7	106.1	295.4	42.3	52.3	4.0	8.4	57.2	57.0	25.08	.029	
WLLM	SMV	Lincoln	IL	1370	.035	1216.4	1232.7	106.1	295.4	42.3	52.3	4.0	8.4	57.2	57.0	25.08	.029	
CMHX		Nuevitas	Cu	1370	1.000	3452.1	3457.9	128.0	322.5	33.5	44.2	.0	.0	309.5	309.5	4.56	.028	
WZZB	LIC	Seymour	IN	1390	.074	1542.5	1555.4	105.4	296.9	41.8	52.0	1.9	5.3	85.4	85.3	16.06	.027	
WZZB	SMV	Seymour	IN	1390	.074	1542.5	1555.4	105.4	296.9	41.8	52.0	1.9	5.3	85.4	85.3	16.06	.027	
WMER	LIC	Meridian	MS	1390	.101	1809.4	1820.4	131.0	320.1	38.4	48.5	.5	3.4	95.6	95.6	14.11	.027	
KFIR	LIC	Sweet Home	OR	1370	.072	1554.6	1567.5	278.4	84.7	44.6	52.3	1.8	5.2	82.0	82.0	15.56	.026	
WXTC	SMV	Charleston	SC	1390	5.000	2360.5	2368.9	114.0	308.6	39.0	49.5	.0	.5	159.9	159.9	7.75	.025	
XENVA2		Matamoros	Mx	1370	.100	2101.7	2111.2	164.0	347.3	34.9	44.5	.0	1.7	96.6	96.6	12.36	.024	
WABD	LIC	Fort Campbell	KY	1370	.053	1563.8	1576.5	116.3	306.6	40.6	50.7	1.7	5.2	68.9	68.8	16.82	.023	
KWNC	LIC	Quincy	WA	1370	.039	1341.7	1356.5	291.5	99.5	46.0	53.8	3.1	7.1	61.4	61.3	18.89	.023	
WBLL	LIC	Bellefontaine	OH	1390	.081	1648.9	1661.0	97.6	290.7	42.6	52.9	1.3	4.5	87.5	87.4	13.24	.023	
WBLL	SMV	Bellefontaine	OH	1390	.081	1648.9	1661.0	97.6	290.7	42.6	52.9	1.3	4.5	87.5	87.4	13.24	.023	
XEJI		Santo Domingo Te	Mx	1390	.350	3170.3	3176.6	163.8	347.9	30.2	40.0	.0	.0	180.7	180.7	6.34	.023	
XETY		Tecoman	Mx	1390	.200	2793.2	2800.4	181.6	1.2	31.5	40.7	.0	.0	136.6	136.6	8.00	.022	
XERUY		Merida	Mx	1390	.250	2863.7	2870.7	149.7	337.2	32.6	42.7	.0	.0	152.8	152.8	7.15	.022	
WMPO	LIC	Middleport-pomer	OH	1390	.120	1838.4	1849.2	100.4	294.5	42.0	52.4	.3	3.3	98.7	98.7	10.92	.022	
S PIERRE		S Pierre	Sb	1370	20.000	3625.0	3630.5	68.2	282.6	47.9	59.1	.0	.0	1384.0	1384.0	.77	.021	
KCLN	CP	Clinton	IA	1390	.091	1079.4	1097.8	98.1	287.0	43.2	53.0	5.2	10.0	33.4	35.2	30.03	.021	
KCLN	LIC	Clinton	IA	1390	.091	1079.7	1098.1	98.1	287.0	43.2	53.0	5.2	10.0	33.4	35.2	30.01	.021	
XE		X-can	Mx	1370	.250	2949.4	2956.2	146.0	334.5	32.7	42.9	.0	.0	152.9	152.9	6.70	.020	
WDXE	LIC	Lawrenceburg	TN	1370	.044	1668.7	1680.6	120.4	310.6	39.9	50.0	1.2	4.4	65.8	65.8	15.33	.020	
WKIC	PRM	Hazard	KY	1390	.058	1840.7	1851.6	107.4	300.5	41.1	51.4	.3	3.2	84.5	84.5	11.64	.020	
WYXI	LIC	Athens	TN	1390	.062	1849.5	1860.2	114.7	306.7	40.1	50.4	.3	3.2	75.3	75.3	12.25	.018	
XEUAA		Aguascalientes	Mx	1370	.100	2454.1	2462.3	178.0	358.4	33.0	42.3	.0	.0	93.4	93.4	9.83	.018	
CHOO		Ajax	Cn	1390	10.000	1931.7	1942.0	82.2	279.1	44.6	55.0	.0	2.7	114.8	114.8	7.84	.018	
CFVD		Ville Degelis	Cn	1370	1.000	2687.0	2694.4	69.4	274.6	47.1	57.9	.0	.0	342.4	342.4	2.36	.016	
CFVD		Ville Degelis	Cn	1370	1.000	2687.0	2694.4	69.4	274.6	47.1	57.9	.0	.0	342.4	342.4	2.36	.016	
WMGO	LIC	Canton	MS	1370	.028	1706.0	1717.7	133.6	321.8	38.5	48.5	1.0	4.1	51.2	51.2	15.80	.016	
WLCM	LIC	Charlotte	MI	1390	.070	1488.3	1501.6	89.9	282.5	43.7	53.8	2.2	5.8	50.6	50.6	15.27	.015	
WLCM	SMV	Charlotte	MI	1390	.070	1488.3	1501.6	89.9	282.5	43.7	53.8	2.2	5.8	50.6	50.6	15.27	.015	
WGHN	PRM	Grand Haven	MI	1370	.022	1368.8	1383.4	88.7	280.5	43.8	53.9	2.9	6.8	41.8	41.8	17.97	.015	
WRGS	PRM	Rogersville	TN	1370	.040	1905.8	1916.2	109.4	302.6	40.7	51.0	.0	2.8	62.8	62.8	11.09	.014	

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Peoria, IL

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Dataworld AM Detailed Individual Night Limit for Study Site (Non-Contributor Records)

Title: KOTA

Frequency: 1380 kHz

Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS Limit (mV/m)
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)					
WMCT	PRM	Mountain City	TN	1390	.058	1992.2	2002.2	107.5	301.5	40.8	51.2	.0	2.3	67.9	67.9	10.01	.014	
WKLP	LIC	Keyser	WV	1390	.074	2066.1	2075.7	95.9	292.2	42.4	52.9	.0	1.9	83.2	83.2	8.16	.014	
WBYE	PRM	Calera	AL	1370	.023	1868.7	1879.4	125.1	315.4	38.8	49.0	.2	3.1	50.5	50.5	12.91	.013	
WLAN	SMV	Lancaster	PA	1390	1.000	2249.9	2258.7	92.0	290.2	42.8	53.4	.0	1.0	101.0	101.0	6.41	.013	
WGOH	LIC	Grayson	KY	1370	.021	1800.5	1811.6	103.7	297.1	41.6	51.9	.5	3.5	51.7	51.7	11.75	.012	
WAVP	PRM	Avon Park	FL	1390	.077	2659.4	2666.9	126.1	319.0	36.3	46.8	.0	.0	84.9	84.9	7.01	.012	
WHPB	PRM	Belton	SC	1390	.036	2064.5	2074.2	113.8	307.0	39.7	50.1	.0	1.9	57.7	57.7	9.92	.011	
WFDR	PRM	Manchester	GA	1370	.028	2030.2	2040.1	121.3	313.0	38.8	49.1	.0	2.1	52.5	52.5	10.87	.011	
WAXE	LIC	Vero Beach	FL	1370	.074	2732.7	2740.0	124.4	318.0	36.4	46.9	.0	.0	84.1	84.1	6.58	.011	
WLOP	LIC	Jesup	GA	1370	.035	2311.1	2319.8	119.5	312.7	38.3	48.7	.0	.7	65.0	65.0	8.49	.011	
WLLN	LIC	Lillington	NC	1370	.049	2284.7	2293.5	106.5	302.3	40.4	50.9	.0	.8	72.0	72.0	7.59	.011	
WAJD	LIC	Gainesville	FL	1390	.051	2438.3	2446.5	123.9	316.6	37.3	47.7	.0	.1	66.1	66.1	8.01	.011	
WAJD	SMV	Gainesville	FL	1390	.051	2438.3	2446.5	123.9	316.6	37.3	47.7	.0	.1	66.1	66.1	8.01	.011	
HIFA		Elias Pina	Dr	1370	.250	4046.9	4051.8	123.6	320.7	32.4	43.4	.0	.0	154.7	154.7	3.34	.010	
WOCA	LIC	Ocala	FL	1370	.033	2485.2	2493.3	124.5	317.3	37.1	47.5	.0	.0	65.5	65.5	7.78	.010	
WOCA	SMV	Ocala	FL	1370	.033	2485.2	2493.3	124.5	317.3	37.1	47.5	.0	.0	65.5	65.5	7.78	.010	
HISH		S Juan 2	Dr	1390	.250	4082.6	4087.5	123.1	320.5	32.4	43.4	.0	.0	154.7	154.7	3.27	.010	
WLTC	???	Gastonia	NC	1370	.030	2114.8	2124.2	109.9	304.1	40.2	50.6	.0	1.7	54.4	54.4	9.14	.010	
HISI		Barahona 2	Dr	1370	.250	4144.3	4149.1	123.6	320.9	32.1	43.1	.0	.0	154.7	154.7	3.21	.010	
WJRM	PRM	Troy	NC	1390	.035	2205.8	2214.8	107.9	303.0	40.3	50.8	.0	1.2	56.3	56.3	8.25	.009	
WKFD	LIC	Wickford	RI	1370	.130	2588.1	2595.8	84.9	286.8	43.9	54.7	.0	.0	113.6	113.6	4.03	.009	
WKPA	???	Lynchburg	VA	1390	.034	2145.1	2154.4	101.6	297.5	41.4	51.9	.0	1.5	55.3	55.3	8.11	.009	
WALK	LIC	East Patchogue	NY	1370	.102	2492.1	2500.1	87.9	288.5	43.4	54.1	.0	.0	94.6	94.6	4.70	.009	
WALK	SMV	East Patchogue	NY	1370	.102	2492.1	2500.1	87.9	288.5	43.4	54.1	.0	.0	94.6	94.6	4.70	.009	
WMJT	LIC	Moundsville	WV	1370	.020	1901.9	1912.4	96.2	291.3	42.5	52.9	.0	2.9	44.2	44.2	9.74	.009	
WPAZ	PRM	Pottstown	PA	1370	.052	2298.3	2307.0	90.9	289.6	43.0	53.6	.0	.7	71.6	71.6	6.00	.009	
WKMC	LIC	Roaring Spring	PA	1370	.038	2075.6	2085.2	92.8	289.6	42.9	53.4	.0	1.9	54.2	54.2	7.75	.008	
WKMC	SMV	Roaring Spring	PA	1370	.038	2075.6	2085.2	92.8	289.6	42.9	53.4	.0	1.9	54.2	54.2	7.75	.008	
WBTN	LIC	Bennington	VT	1370	.085	2408.8	2417.1	82.5	283.3	44.5	55.2	.0	.2	91.5	91.5	4.57	.008	
WNIO	LIC	Youngstown	OH	1390	5.000	1863.1	1873.8	92.2	287.5	43.1	53.5	.2	3.1	37.0	37.0	9.71	.007	
WNIO	LIC	Youngstown	OH	1390	5.000	1870.8	1881.5	92.5	287.8	43.1	53.5	.2	3.1	36.2	36.2	9.66	.007	
WRIV	LIC	Riverhead	NY	1390	.064	2512.8	2520.8	87.3	288.1	43.5	54.3	.0	.0	73.7	73.7	4.56	.007	
WEOK	LIC	Poughkeepsie	NY	1390	.106	2386.7	2395.0	85.9	286.1	43.8	54.5	.0	.3	43.2	43.2	5.02	.004	
WEOK	SMV	Poughkeepsie	NY	1390	.106	2386.7	2395.0	85.9	286.1	43.8	54.5	.0	.3	43.2	43.2	5.02	.004	

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Dataworld AM Detailed Individual Night Limit for Study Site (Non-Contributor Records)

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-----Azimuth-----		Mid-Pt Lat		----- Theta -----		Horiz. Rad. (mV/m)	Max. V-Rad. (mV/m)	S.W. Mult. (uV/m)	Night Limit (mV/m)	RSS	
								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)					(%)	Limit (mV/m)
WWLG	???	Pikesville	MD	1370	6.000	2240.8	2249.7	94.1	291.9	42.5	53.1	.0	1.0	29.9	29.9	6.68	.004		
WWLG	???	Pikesville	MD	1370	6.000	2273.1	2281.8	93.7	291.7	42.5	53.1	.0	.9	29.8	29.8	6.43	.004		
WWLG	???	Pikesville	MD	1370	6.000	2240.8	2249.7	94.1	291.9	42.5	53.1	.0	1.0	24.8	24.8	6.68	.003		
WKPA	???	Lynchburg	VA	1390	.034	2145.1	2154.4	101.6	297.5	41.4	51.9	.0	1.5	10.3	10.3	8.11	.002		

>> End of Detailed Night Limit Study <<

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Peoria, IL

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Monday, January 15, 2001

Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WBYE	PRM	Calera	AL	1370	.023	1868.7	1879.4	125.1	315.4	38.8	49.0	.2	3.1	12.91	9.243	9.736	2.434	9429.7	210.7	9219.0
WCOA=9.243; WDEF=3.059																				
KAWW	PRM	Heber Springs	AR	1370	.071	1343.6	1358.4	131.2	318.4	39.9	49.7	3.1	7.1	23.49	6.782	8.279	2.070	4405.9	216.6	4189.3
KFRO=4.468; WCOA=3.824; WSPD=3.378; WDEF=3.261; WLTH=2.587; KDTH=2.284																				
KTPA	PRM	Prescott	AR	1370	.065	1416.8	1430.9	140.2	326.3	39.0	48.8	2.6	6.4	22.14	7.177	8.066	2.017	4553.6	226.4	4327.2
KFRO=6.384; WCOA=3.279; KRNN=2.688; WSPD=2.517																				
KWRM	LIC	Corona	CA	1370	2.500	1673.1	1685.0	232.4	43.4	39.2	47.2	1.1	4.4	17.28	7.007	7.776	1.944	5626.1	236.4	5389.7
KPOP=5.169; KXTL=3.382; KZSF=3.307; KPCO=2.528; KSOP=2.232																				
KPCO	LIC	Quincy	CA	1370	.500	1528.9	1541.9	258.8	66.9	42.3	50.1	1.9	5.4	18.13	7.822	9.221	2.305	6358.5	183.0	6175.6
KXTL=6.078; KZSF=4.924; KSOP=3.728; KWRM=3.155																				
KZSF	LIC	San Jose	CA	1370	5.000	1735.8	1747.3	251.1	58.8	41.1	48.8	.8	3.9	15.11	5.863	6.493	1.623	5370.9	210.3	5160.6
KXTL=4.121; KPCO=3.010; KWRM=2.888; KSOP=2.790																				
KGEN	LIC	Tulare	CA	1370	.136	1622.3	1634.6	243.0	52.5	40.4	48.3	1.4	4.7	17.56	11.465	12.903	3.226	9184.2	218.5	8965.7
KZSF=9.051; KWRM=7.036; KPCO=4.189; KXTL=4.184																				
KTMG	LIC	Deer Trail	CO	1370	.160	495.7	534.5	188.4	7.8	41.8	50.9	15.1	24.6	112.89	7.958	7.958	1.989	881.1	380.7	500.4
KXTL=5.355; KSOP=4.170; KGNO=4.153																				
WOCA	LIC	Ocala	FL	1370	.033	2485.2	2493.3	124.5	317.3	37.1	47.5	.0	.0	7.78	31.662	35.251	8.813	9999.9	209.7	56409.8
WCOA=31.662; WDEF=15.497																				
WOCA	SMV	Ocala	FL	1370	.033	2485.2	2493.3	124.5	317.3	37.1	47.5	.0	.0	7.78	31.662	35.251	8.813	9999.9	209.7	56409.8
WCOA=31.662; WDEF=15.497																				
WCOA	LIC	Pensacola	FL	1370	5.000	2058.5	2068.2	131.9	321.6	37.5	47.7	.0	2.0	11.35	3.669	5.264	1.316	5795.2	217.9	5577.3
WAOK=3.669; XEHAY=1.586; WTAB=1.469; YVJI=1.447; HRBJ=1.397; YVSV=1.395; TGAC=1.376; YNJD=1.299																				

D.L. Markley & Associates, Inc.
Peoria, IL

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Monday, January 15, 2001

Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
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Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WAXE	LIC	Vero Beach	FL	1370	.074	2732.7	2740.0	124.4	318.0	36.4	46.9	.0	.0	6.58	23.764	23.764	5.941	9999.9	209.3	44920.6
WCOA=20.619; WDEF=11.816																				
WLOP	LIC	Jesup	GA	1370	.035	2311.1	2319.8	119.5	312.7	38.3	48.7	.0	.7	8.49	40.074	40.074	10.018	9999.9	194.5	58823.2
WDEF=30.595; WCOA=25.882																				
WFDR	PRM	Manchester	GA	1370	.028	2030.2	2040.1	121.3	313.0	38.8	49.1	.0	2.1	10.87	30.459	30.459	7.615	9999.9	201.1	34839.9
WDEF=25.599; WCOA=16.505																				
KLBA	LIC	Albia	IA	1370	.128	919.7	941.2	107.8	294.9	42.6	52.4	6.8	12.5	41.28	9.392	10.867	2.717	3291.1	118.9	3172.2
WLTH=6.092; WGCL=5.216; KDTH=4.887; KSUM=4.283; WSPD=3.399																				
KDTH	LIC	Dubuque	IA	1370	5.000	1029.0	1048.3	95.3	283.9	43.4	53.3	5.6	10.7	32.35	6.359	7.341	1.835	2836.3	195.0	2641.3
WSPD=5.252; DWAZI=3.586; KSLG=2.225; WLTH=2.160; KSUM=1.960																				
WLLM	LIC	Lincoln	IL	1370	.035	1216.4	1232.7	106.1	295.4	42.3	52.3	4.0	8.4	25.08	15.192	17.166	4.292	8554.7	111.5	8443.2
WLTH=11.157; WGCL=10.311; WSPD=6.602; DWAZI=4.507																				
WLLM	SMV	Lincoln	IL	1370	.035	1216.4	1232.7	106.1	295.4	42.3	52.3	4.0	8.4	25.08	15.192	17.166	4.292	8554.7	111.5	8443.2
WLTH=11.157; WGCL=10.311; WSPD=6.602; DWAZI=4.507																				
WGCL	LIC	Bloomington	IN	1370	.500	1474.4	1487.9	105.7	296.8	41.9	52.0	2.3	5.9	17.53	11.916	14.084	3.521	9999.9	110.6	9930.8
WSPD=11.916; DWAZI=5.035; WLTH=4.137; WCKY=3.729																				
WGCL	SMV	Bloomington	IN	1370	.500	1474.4	1487.9	105.7	296.8	41.9	52.0	2.3	5.9	17.53	11.916	14.084	3.521	9999.9	110.6	9930.8
WSPD=11.916; DWAZI=5.035; WLTH=4.137; WCKY=3.729																				
WLTH	LIC	Gary	IN	1370	.500	1323.4	1338.4	96.6	287.4	43.1	53.1	3.2	7.2	20.30	15.523	17.580	4.395	9999.9	174.1	10652.1
WSPD=15.523; DWAZI=6.304; WGCL=5.326																				
WLTH	LIC	Gary	IN	1370	.500	1321.0	1336.0	96.5	287.3	43.1	53.1	3.2	7.3	20.35	15.459	17.501	4.375	9999.9	176.3	10571.5
WSPD=15.459; DWAZI=6.222; WGCL=5.346																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WLTH	SMV	Gary	IN	1370	.500	1323.4	1338.4	96.6	287.4	43.1	53.1	3.2	7.2	20.30	15.523	17.580	4.395	9999.9	174.1	10652.1
WSPD=15.523; DWAZI=6.304; WGCL=5.326																				
WLTH	SMV	Gary	IN	1370	.500	1321.0	1336.0	96.5	287.3	43.1	53.1	3.2	7.3	20.35	15.459	17.501	4.375	9999.9	176.3	10571.5
WSPD=15.459; DWAZI=6.222; WGCL=5.346																				
KGNO	LIC	Dodge City	KS	1370	.230	744.1	770.5	158.6	340.6	40.9	50.2	9.3	16.1	63.26	4.394	6.171	1.543	1219.4	303.4	916.0
KXTL=3.054; KSUM=2.243; KJCE=2.224; KDTH=2.122; KSOP=2.066; WLTH=1.922; KSCJ=1.799; WGCL=1.752																				
KALN	LIC	Iola	KS	1370	.058	943.2	964.2	133.6	318.7	41.0	50.7	6.5	12.1	42.38	6.279	8.194	2.048	2416.5	214.9	2201.6
KGNO=4.025; WLTH=3.711; KSUM=3.074; WGCL=3.018; WDEF=2.933; KFRO=2.429; KXTL=2.026																				
WABD	LIC	Fort Campbell	KY	1370	.053	1563.8	1576.5	116.3	306.6	40.6	50.7	1.7	5.2	16.82	8.523	9.631	2.408	7158.6	178.5	6980.1
WDEF=5.536; WCOA=4.776; WSPD=4.379; WGCL=3.485; DWAZI=2.823																				
WGOH	LIC	Grayson	KY	1370	.021	1800.5	1811.6	103.7	297.1	41.6	51.9	.5	3.5	11.75	32.274	32.274	8.068	9999.9	107.5	34235.9
WSPD=27.756; WGCL=16.469																				
WWLG	???	Pikesville	MD	1370	6.000	2240.8	2249.7	94.1	291.9	42.5	53.1	.0	1.0	6.68	27.361	32.190	8.047	9999.9	220.6	60029.0
WXXI=27.361; WSPD=12.431; WWCB=11.532																				
WWLG	???	Pikesville	MD	1370	6.000	2240.8	2249.7	94.1	291.9	42.5	53.1	.0	1.0	6.68	27.361	32.190	8.047	9999.9	220.6	60029.0
WXXI=27.361; WSPD=12.431; WWCB=11.532																				
WWLG	???	Pikesville	MD	1370	6.000	2273.1	2281.8	93.7	291.7	42.5	53.1	.0	.9	6.43	28.340	32.218	8.055	9999.9	229.2	62397.1
WXXI=28.340; WSPD=11.079; WWCB=10.589																				
WDEA	LIC	Ellsworth	ME	1370	5.000	2744.3	2751.6	76.7	281.3	45.6	56.5	.0	.0	2.79	13.576	14.671	3.668	9999.9	649.7	65189.0
WFEA=13.576; CJVL=4.172; CFVD=3.676																				
WKJF	LIC	Cadillac	MI	1370	1.000	1415.8	1429.9	82.9	275.3	44.5	54.6	2.6	6.4	15.99	22.905	25.943	6.486	9999.9	483.2	19793.2
WSPD=22.905; WLTH=10.289; KDTH=6.521																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WGHN	PRM	Grand Haven	MI	1370	.022	1368.8	1383.4	88.7	280.5	43.8	53.9	2.9	6.8	17.97	24.805	24.805	6.201	9999.9	337.0	16912.7
WSPD=21.779; WLTH=11.872																				
KSUM	LIC	Fairmont	MN	1370	1.000	699.2	727.3	90.7	276.7	43.9	53.5	10.1	17.3	62.26	9.083	10.404	2.601	2088.7	279.0	1809.8
KDTH=9.083; KSCJ=3.133; DWAZI=2.833; KUND=2.811																				
KWRT	LIC	Boonville	MO	1370	.084	1034.4	1053.6	119.6	306.5	41.6	51.4	5.6	10.7	35.12	8.618	10.366	2.592	3689.9	191.6	3498.3
WLTH=6.213; WGCL=5.972; WDEF=3.692; KSUM=3.485; WSPD=2.722																				
KCRV	LIC	Caruthersville	MO	1370	.063	1436.5	1450.4	122.6	311.4	40.3	50.3	2.5	6.2	20.22	9.871	10.260	2.565	6344.2	204.5	6139.7
WDEF=7.086; WCOA=4.948; WSPD=4.769; KFRO=2.799																				
WMGO	LIC	Canton	MS	1370	.028	1706.0	1717.7	133.6	321.8	38.5	48.5	1.0	4.1	15.80	7.598	9.133	2.283	7224.3	218.9	7005.4
WCOA=7.598; WDEF=3.222; WOOM=2.792; KFRO=2.739																				
KXTL	LIC	Butte	MT	1370	5.000	773.5	798.9	289.8	103.1	45.1	53.5	8.8	15.4	52.78	1.753	2.512	.628	594.9	384.3	210.6
KWRM=1.199; KSOP=1.008; KSRV=.789; KKMO=.726; CHPQ=.708; KOHU=.694; KPCO=.681; KUND=.670; KRKK=.664; KGNO=.611																				
WLTC	???	Gastonia	NC	1370	.030	2114.8	2124.2	109.9	304.1	40.2	50.6	.0	1.7	9.14	33.663	36.971	9.243	9999.9	136.0	50433.5
WDEF=33.663; WSPD=15.286																				
WLLN	LIC	Lillington	NC	1370	.049	2284.7	2293.5	106.5	302.3	40.4	50.9	.0	.8	7.59	25.658	27.828	6.957	9999.9	114.4	45737.1
WDEF=21.322; WSPD=14.272; WXXI=7.639; WCOA=7.598																				
WTAB	LIC	Tabor City	NC	1370	.109	2356.8	2365.3	109.5	305.0	39.7	50.3	.0	.5	7.40	25.920	30.266	7.566	9999.9	132.8	51020.1
WDEF=25.920; WSPD=11.701; WCOA=10.356																				
KUND	LIC	Grand Forks	ND	1370	.250	640.7	671.2	45.3	229.7	46.0	55.4	11.2	19.0	65.74	12.695	12.695	3.174	2413.9	1270.5	1143.4
KSUM=9.597; KDTH=8.310																				
KAWL	LIC	York	NE	1370	.176	580.3	613.8	125.8	309.5	42.5	51.9	12.6	21.1	87.91	7.066	9.128	2.282	1298.0	197.0	1101.0
KSUM=4.162; KGNO=4.042; KDTH=4.033; KSCJ=3.445; KXTL=2.944; WGCL=2.754; WLTH=2.299																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WFEA	LIC	Manchester	NH	1370	5.000	2547.0	2554.9	81.7	283.8	44.6	55.4	.0	.0	3.89	4.303	5.263	1.316	9999.9	517.5	16383.4
WDRC=3.791; WXXI=2.037; WSPD=1.818; WDEA=1.717; WSYB=1.711																				
WALK	LIC	East Patchogue	NY	1370	.102	2492.1	2500.1	87.9	288.5	43.4	54.1	.0	.0	4.70	32.504	35.641	8.910	9999.9	359.5	94337.4
WFEA=32.504; WXXI=14.623																				
WALK	SMV	East Patchogue	NY	1370	.102	2492.1	2500.1	87.9	288.5	43.4	54.1	.0	.0	4.70	32.504	35.641	8.910	9999.9	359.5	94337.4
WFEA=32.504; WXXI=14.623																				
WXXI	LIC	Rochester	NY	1370	5.000	2057.7	2067.4	83.9	281.7	44.3	54.8	.0	2.0	6.92	4.836	5.330	1.333	9622.9	458.4	9164.5
WSPD=3.825; WFEA=2.958; WWCB=1.803; WPTT=1.333																				
WSPD	LIC	Toledo	OH	1370	5.000	1621.3	1633.5	92.8	286.2	43.2	53.5	1.4	4.7	13.12	2.757	3.728	.932	3553.4	247.2	3306.1
WKCY=2.757; WTAB=1.249; WCOA=1.233; WWCB=1.183; WLTH=.995; WXXI=.912																				
KCNB	LIC	Holdenville	OK	1370	.074	1155.2	1172.3	147.5	331.8	39.6	49.2	4.5	9.1	31.50	4.602	6.474	1.618	2568.8	249.7	2319.1
KGNO=3.723; KFRO=2.706; WLTH=2.271; KJCE=2.239; WCOA=1.916; KXTL=1.858; KSUM=1.853																				
KAST	LIC	Astoria	OR	1370	1.000	1633.9	1646.1	285.6	90.9	45.6	53.1	1.4	4.6	13.28	7.223	9.495	2.374	8934.1	299.8	8634.2
KXTL=6.366; KPCO=3.412; CHPQ=3.261; KUIK=3.082; KKMO=3.050; KZSF=2.925																				
KFIR	LIC	Sweet Home	OR	1370	.072	1554.6	1567.5	278.4	84.7	44.6	52.3	1.8	5.2	15.56	10.425	11.018	2.754	8851.0	158.4	8692.6
KXTL=7.309; KPCO=5.391; KAST=5.118; KZSF=3.567																				
WWCB	LIC	Corry	PA	1370	.500	1921.4	1931.8	88.8	284.9	43.6	54.0	.0	2.8	8.70	9.852	10.279	2.570	9999.9	337.7	14432.2
WSPD=7.485; WXXI=6.406; WPTT=2.934																				
WPAZ	PRM	Pottstown	PA	1370	.052	2298.3	2307.0	90.9	289.6	43.0	53.6	.0	.7	6.00	33.422	34.799	8.700	9999.9	288.9	72235.2
WXXI=33.422; WFEA=9.691																				
WKMC	LIC	Roaring Spring	PA	1370	.038	2075.6	2085.2	92.8	289.6	42.9	53.4	.0	1.9	7.75	31.388	31.388	7.847	9999.9	246.1	50377.1
WXXI=22.120; WSPD=16.395; WWCB=15.071																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WKMC	SMV	Roaring Spring	PA	1370	.038	2075.6	2085.2	92.8	289.6	42.9	53.4	.0	1.9	7.75	31.388	31.388	7.847	9999.9	246.1	50377.1
WXXI=22.120; WSPD=16.395; WWCB=15.071																				
WIVV	LIC	Island Of Vieque	PR	1370	1.000	4540.6	4545.0	117.2	317.7	32.5	43.6	.0	.0	2.54	13.538	14.690	3.673	9999.9	183.8	72164.7
YVLO=8.842; YVSV=8.008; YVJI=6.401; 4VMM=4.325; HJKX=3.718																				
WKFD	LIC	Wickford	RI	1370	.130	2588.1	2595.8	84.9	286.8	43.9	54.7	.0	.0	4.03	43.196	43.196	10.799	9999.9	434.1	133660.9
WFEA=43.196																				
WDEF	LIC	Chattanooga	TN	1370	5.000	1821.9	1832.8	117.2	308.6	39.9	50.1	.4	3.4	12.82	6.804	7.844	1.961	7646.4	183.5	7462.9
WCOA=4.322; WSPD=4.183; WCKY=3.180; WGCL=2.429; WTAB=2.304; DWAZI=2.006																				
WDXE	LIC	Lawrenceburg	TN	1370	.044	1668.7	1680.6	120.4	310.6	39.9	50.0	1.2	4.4	15.33	6.537	7.776	1.944	6339.9	197.6	6142.2
WCOA=6.537; WDEF=2.325; DWAZI=2.141; KFRO=2.036; WGCL=1.898																				
WRGS	PRM	Rogersville	TN	1370	.040	1905.8	1916.2	109.4	302.6	40.7	51.0	.0	2.8	11.09	18.425	20.133	5.033	9999.9	132.6	22556.3
WSPD=15.932; WGCL=9.255; WDEF=8.116																				
KFRO	LIC	Longview	TX	1370	1.000	1478.7	1492.1	147.3	332.5	38.3	48.1	2.2	5.8	21.06	4.164	6.070	1.518	3602.3	251.1	3351.2
WCOA=2.937; KAHZ=2.166; WSPD=2.004; XEHAY=1.919; KGNO=1.909; KJCE=1.895; KRNN=1.873; KXCA=1.679; XEPJ=1.505																				
DKPOS	LIC	Post	TX	1370	.158	1211.2	1227.6	172.2	353.3	38.6	47.9	4.0	8.4	30.26	8.955	9.501	2.375	3924.4	409.7	3514.7
KJCE=7.039; KFRO=5.536; KGNO=3.175																				
KJCE	LIC	Rollingwood	TX	1370	.500	1602.3	1614.8	160.4	343.8	37.2	46.7	1.5	4.9	19.05	15.557	15.557	3.889	9999.9	337.1	9872.9
KFRO=15.557																				
KSOP	LIC	South Salt Lake	UT	1370	.500	806.3	830.7	245.8	59.9	42.5	50.9	8.3	14.7	54.48	12.085	12.811	3.203	2939.3	210.3	2728.9
KXTL=12.085; KWRM=4.252																				
WBTN	LIC	Bennington	VT	1370	.085	2408.8	2417.1	82.5	283.3	44.5	55.2	.0	.2	4.57	21.320	21.320	5.330	9999.9	496.5	57782.6
WFEA=21.320																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
KWNC KXTL=11.729; KAST=8.642	LIC	Quincy	WA	1370	.039	1341.7	1356.5	291.5	99.5	46.0	53.8	3.1	7.1	18.89	14.569	14.569	3.642	9638.0	441.4	9196.6
WCCN KDTN=29.568; DWAZI=14.530; KSUM=9.386	CP	Neillsville	WI	1370	.042	1003.5	1023.2	82.2	271.0	44.5	54.3	5.9	11.1	31.99	29.568	34.256	8.564	9999.9	494.2	12892.7
WCCN KDTN=29.568; DWAZI=14.530; KSUM=9.386	LIC	Neillsville	WI	1370	.042	1003.5	1023.2	82.2	271.0	44.5	54.3	5.9	11.1	31.99	29.568	34.256	8.564	9999.9	494.2	12892.7
DWAZI WLTH=12.760; WSPD=10.361; KDTN=6.693	LIC	Sussex	WI	1370	.500	1211.2	1227.6	89.8	280.2	43.8	53.8	4.0	8.4	23.13	16.437	17.747	4.437	9591.8	310.4	9281.5
WMJT WSPD=37.629	LIC	Moundsville	WV	1370	.020	1901.9	1912.4	96.2	291.3	42.5	52.9	.0	2.9	9.74	37.629	37.629	9.407	9999.9	181.6	48105.4
KJJL KXTL=7.058; KSOP=5.035; KGNO=2.828	LIC	Cheyenne	WY	1370	.088	349.5	402.7	202.8	21.7	42.6	51.6	21.6	33.6	172.56	8.669	9.119	2.280	660.6	287.3	373.3
WRAB WHEW=7.793; WAOK=6.755; WKJV=3.727; WOOM=3.463; KRNN=3.457; KSLG=3.236; KXCA=3.125	LIC	Arab	AL	1380	.049	1793.8	1804.9	121.3	311.9	39.5	49.7	.5	3.5	13.55	10.313	12.823	3.206	1182.9	200.9	982.0
WVSA WOOM=12.252; WHEW=9.517; KRNN=6.684; WAOK=5.749; KSLG=5.582	LIC	Vernon	AL	1380	.039	1725.6	1737.2	126.2	315.7	39.2	49.3	.9	4.0	14.93	15.514	18.697	4.674	1564.9	212.5	1352.4
KRNN KMUS=9.307; WOOM=7.884; KXCA=7.262; WHEW=4.907	LIC	North Little Roc	AR	1380	2.500	1383.1	1397.5	133.6	320.6	39.6	49.4	2.8	6.7	22.56	14.195	15.020	3.755	832.1	218.3	613.8
KLPZ KTKZ=5.527; KSRV=3.553; KTOM=3.356; KHEY=3.203; KXCA=2.217	LIC	Parker	AZ	1380	.058	1454.6	1468.3	224.7	37.7	39.2	47.5	2.4	6.0	22.12	7.378	8.343	2.086	471.5	273.0	198.5
XEKT KTOM=4.572; KTKZ=3.293; KHEY=3.191; KSRV=3.187		Tecate	Mx	1380	.100	1734.7	1746.2	227.1	38.6	38.5	46.6	2.4	2.4	16.39	6.475	7.217	3.191	973.0F	259.6	713.4

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
XEKT1		Tecate	Mx	1380	1.000	1734.7	1746.2	227.1	38.6	38.5	46.6	2.4	2.4	16.39	6.475	7.217	3.191	973.0F	259.6	713.4
KTOM=4.572; KTKZ=3.293; KHEY=3.191; KSRV=3.187																				
XEPAB		La Paz	Mx	1380	.500	2303.3	2311.9	198.7	14.7	34.1	42.8	.0	.0	6.99	5.107	5.809	2.553	1825.5F	438.6	1386.9
XEAPM=3.804; KHEY=3.407; XEAK=1.805; XEGW=1.556; KBWD=1.411																				
KWJL	PRM	Lancaster	CA	1380	.062	1839.1	1850.0	141.1	328.4	37.4	47.3	.3	3.3	14.37	30.373	31.970	7.992	2781.0	229.4	2551.7
KRNN=26.046; WOOM=15.626; WAOK=9.977																				
KWJL	PRM	Lancaster	CA	1380	.011	1648.8	1660.9	236.2	46.6	39.6	47.6	1.3	4.5	17.50	7.271	7.699	1.925	549.9	226.3	323.6
KTOM=5.883; KTKZ=4.273; KSRV=2.530																				
KTKZ	APP	Sacramento	CA	1380	5.000	1650.6	1662.7	254.5	62.3	41.6	49.3	1.3	4.5	16.21	9.864	9.864	2.466	760.6	201.6	559.0
KTOM=9.864																				
KTKZ	APP	Sacramento	CA	1380	5.000	1617.4	1629.7	254.1	62.1	41.6	49.4	1.4	4.8	16.83	6.699	6.699	1.675	497.6	202.8	294.8
KTOM=6.699																				
KTKZ	LIC	Sacramento	CA	1380	5.000	1650.6	1662.7	254.5	62.3	41.6	49.3	1.3	4.5	16.21	9.864	9.864	2.466	760.6	201.6	559.0
KTOM=9.864																				
KTKZ	LIC	Sacramento	CA	1380	5.000	1617.5	1629.8	254.1	62.1	41.6	49.4	1.4	4.8	16.82	6.704	6.704	1.676	498.1	202.8	295.2
KTOM=6.704																				
KTOM	LIC	Salinas	CA	1380	5.000	1756.3	1767.7	248.7	56.6	40.7	48.4	.7	3.8	14.99	4.181	5.205	1.301	434.2	214.1	220.0
KVIN=4.181; KTKZ=1.790; KZSF=1.517; KLTX=1.458; KXCA=1.409																				
XEVD		Cd.allende	Mx	1380	.100	1758.2	1769.6	172.4	353.8	36.2	45.5	2.3	2.3	15.69	8.173	10.040	3.933	1253.1F	414.5	838.6
KBWD=5.385; KHEY=4.725; KXCA=3.933; XEAPM=3.630; KRNN=3.405; XEGW=3.038																				
HJID		Gigante	Co	1380	1.000	5395.5	5399.2	141.9	333.6	23.7	34.5	.0	.0	1.00	26.405	30.541	13.203	9999.9F	231.3	65669.1
HJIO=20.016; HJEE=17.222; HJEJ=10.467; HJLG=8.385; HJLM=7.460																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
HJLG		La Dorada	1 Co	1380	1.000	5141.8	5145.7	138.9	331.7	25.2	36.1	.0	.0	1.11	29.783	33.982	14.892	9999.9F	224.7	67120.9
HJEE=22.294; HJIO=19.749; HJLM=10.221; YVJD=9.464; HJEJ=8.583																				
HJLM		Medellin	1 Co	1380	1.000	5005.1	5009.1	139.3	331.9	25.7	36.6	.0	.0	1.17	26.354	31.148	13.177	9999.9F	225.4	56133.9
HJEE=19.754; HJIO=17.446; HJLG=11.129; YVJD=9.260; HJEJ=8.127																				
HJEJ		Palmira	2 Co	1380	1.000	5269.7	5273.5	142.2	333.8	24.1	34.9	.0	.0	1.05	25.807	30.338	12.903	9999.9F	232.3	61145.3
HJIO=19.069; HJEE=17.389; HJID=10.427; HJLG=8.916; HJLM=8.136																				
HJEE		Tunja	2 Co	1380	5.000	5222.7	5226.5	137.3	330.7	25.3	36.2	.0	.0	1.07	23.240	29.280	10.993	9999.9F	222.5	51113.8
HJIO=20.475; YVJD=10.993; HJLG=10.895; HJLM=8.867; HJEJ=7.785; HJID=7.703																				
HJMM		Valledupar	Co	1380	1.000	4699.1	4703.4	133.1	327.7	28.1	39.1	.0	.0	1.33	23.452	26.946	11.106	9999.9F	218.7	41407.9
YVJD=14.907; HJEE=14.297; HJIO=11.106; YVTL=8.578; YVJC=7.576; HJLM=6.717																				
HJIO		Vde Conquist	Co	1380	5.000	5396.5	5400.2	139.0	331.8	24.3	35.2	.0	.0	1.00	20.680	28.302	10.340	9999.9F	224.9	51406.6
HJEE=20.680; HJLG=9.359; HJID=9.032; HJEJ=8.599; YVJD=8.283; HJLM=7.851																				
XEZZZ		Cd.hidalgo	Mx	1380	1.000	3410.2	3416.0	158.8	344.4	29.5	39.5	.0	.0	2.67	8.060	8.869	3.850	7223.5F	325.9	6897.6
XEKV=5.243; TILX=4.760; WRBQ=3.850; XEAPM=2.925; WAOK=2.264																				
TILX		Guanacaste	Cs	1380	1.000	4086.5	4091.4	149.9	338.5	27.6	38.0	.0	.0	1.79	7.337	9.069	3.340	9330.2F	266.2	9064.0
XEZZZ=5.262; HJEE=3.871; HJIO=3.340; WRBQ=3.184; HJLM=2.819; HJEJ=2.306; HJLG=2.241																				
WFNW	LIC	Naugatuck	CT	1380	.500	2461.3	2469.4	86.0	286.7	43.8	54.5	.0	.0	4.67	6.894	7.783	1.946	2084.4	405.5	1678.9
WNNY=4.607; WSYB=3.688; WDCW=3.563; WFEA=2.900; WMYF=2.156																				
CMHY		Cent Brasil	Cu	1380	10.000	3388.6	3394.5	128.7	322.8	33.5	44.2	.0	.0	2.70	24.029	24.029	10.929	9999.9F	215.6	19996.1
WRBQ=21.399; WELE=10.929																				
WTMC	CP	Wilmington	DE	1380	.014	2325.5	2334.1	92.3	290.9	42.7	53.4	.0	.6	5.98	6.165	7.566	1.892	1582.0	258.4	1323.6
WNNY=5.410; WXXI=2.956; WVBB=2.777; WZHF=2.487; WSYB=2.312																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC	Slant	-- Azimuth --		Mid-Pt Lat		---- Theta----		S.W.	50%	25%	Req'd	Permis	Current	Margin
						Dist. (km)	Dist. (km)	To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)	Mult. (uV/m)	Limit (mV/m)	Limit (mV/m)	Prot. (mV/m)	Rad. (mV/m)	Rad. (mV/m)	
WTMC	LIC	Wilmington	DE	1380	1.000	2316.5	2325.1	92.1	290.7	42.7	53.4	.0	.7	6.02	6.182	8.115	2.029	1686.0	261.3	1424.7
WNNY=6.182; WXXI=3.030; WVBB=2.816; WSYB=2.407; WZHF=2.179																				
XECO		Iztacalco	Mx	1380	5.000	2765.2	2772.4	170.8	353.0	31.7	41.2	.0	.0	4.38	9.613	11.831	4.807	5482.0F	407.6	5074.4
XEAPM=8.164; XEZZZ=5.076; XEAK=4.750; XEKV=3.936; XEGW=3.084																				
HISC		Santiago 5	Dr	1380	1.000	4063.8	4068.7	121.7	319.5	32.8	43.8	.0	.0	1.81	14.999	15.631	6.831	9999.9F	202.3	18638.6
YVJD=8.220; 4VARH=7.766; WOLA=7.101; WRBQ=6.831; WELE=4.401																				
XERS		Gomez Palacio	Mx	1380	.250	2055.2	2064.9	180.8	.6	34.8	44.0	.7	.7	9.64	7.936	9.887	3.633	1884.1F	450.0	1434.1
XEAPM=5.598; KHEY=4.294; KBWD=3.633; XEAK=3.190; XEGW=3.083; KFNI=2.916; KXCA=2.569																				
YSMM		San Salvador	Es	1380	5.000	3618.8	3624.3	154.2	341.2	29.1	39.2	.0	.0	2.34	10.307	11.991	5.154	9999.9F	293.1	10741.2
XEZZZ=7.716; TILX=6.834; WRBQ=4.514; XEKV=4.144																				
WWRF	LIC	Lake Worth	FL	1380	.103	2835.1	2842.1	125.4	319.0	35.9	46.4	.0	.0	6.23	44.533	44.533	11.133	8932.8	211.3	8721.5
WRBQ=37.250; WELE=24.405																				
WWRF	SMV	Lake Worth	FL	1380	.103	2835.1	2842.1	125.4	319.0	35.9	46.4	.0	.0	6.23	44.533	44.533	11.133	8932.8	211.3	8721.5
WRBQ=37.249; WELE=24.407																				
WELE	LIC	Ormond Beach	FL	1380	2.500	2551.0	2558.8	122.6	316.1	37.2	47.7	.0	.0	7.31	20.611	22.551	5.638	3854.2	205.1	3649.1
WRBQ=15.923; WAOK=13.087; WVBB=6.708; WTOB=6.225																				
WRBQ	LIC	St. Petersburg	FL	1380	5.000	2566.1	2573.9	127.6	319.9	36.4	46.8	.0	.0	7.54	5.283	7.692	1.923	1274.6	214.5	1060.1
WVBB=4.379; WCOA=2.955; WAOK=2.549; KXCA=2.529; WROA=2.481; WOOM=2.081; KMUS=2.010; YVJD=1.960																				
WAOK	LIC	Atlanta	GA	1380	4.200	1973.6	1983.7	119.0	310.9	39.3	49.6	.0	2.4	11.24	6.700	8.950	2.237	995.5	192.2	803.2
WRBQ=4.395; WHEW=3.860; WDEF=3.268; WKJV=2.909; WTOB=2.720; WONO=2.659; KXCA=2.585; WELE=2.365																				
XEAK		Acambaro	Mx	1380	.250	2677.3	2684.8	174.4	355.7	32.0	41.4	.0	.0	4.74	9.289	10.991	4.644	4898.1F	426.3	4471.8
XEAPM=9.289; XEZZZ=3.880; XEKV=3.149; XEGW=3.090																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)	Mid-Pt Lat GC GMag (deg) (deg)	---- Theta ---- Min Max (deg) (deg)	S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
TGEB		Momostenango	Gt	1380	.500	3409.4	3415.2	157.3 343.3	29.7 39.7	.0 .0	2.67	9.732	10.078	4.430	8307.6F	314.8	7992.9
XEKV=5.220; TILX=5.107; XEZZZ=4.664; WRBQ=4.430; XEAPM=2.618																	
4VARH		Pt Au Prince	Ha	1380	.700	4033.8	4038.8	124.7 321.5	32.2 43.2	.0 .0	1.84	13.082	15.062	6.202	9999.9F	210.1	16609.0
YVJD=8.640; WRBQ=7.617; WOLA=6.202; HJMM=4.650; WELE=4.538; YVJC=3.675																	
KIFO	LIC	Pearl City	HI	1380	6.200	5584.1	5587.7	261.8 49.9	35.8 39.9	.0 .0	1.89	2.159	2.226	.557	1471.6	166.2	1305.3
KTKZ=1.727; KTOM=1.296; KRKO=.544																	
KCIM	LIC	Carroll	IA	1380	1.000	709.7	737.4	105.3 291.0	43.1 52.7	9.9 17.0	62.78	6.081	8.215	2.054	163.6	104.8	58.7
KSLG=4.723; KLIZ=3.831; WFCL=2.744; KKSO=2.613; WONO=2.597; KXCA=2.194; WSCG=2.139																	
KCIM	SMV	Carroll	IA	1380	1.000	709.7	737.4	105.3 291.0	43.1 52.7	9.9 17.0	62.78	6.081	8.215	2.054	163.6	104.8	58.7
KSLG=4.723; KLIZ=3.831; WFCL=2.744; KKSO=2.613; WONO=2.597; KXCA=2.194; WSCG=2.139																	
KCII	LIC	Washington	IA	1380	.025	985.1	1005.2	104.0 291.8	42.8 52.6	6.1 11.4	36.20	19.063	19.063	4.766	658.2	105.8	552.5
KSLG=19.063																	
WTJK	LIC	South Beloit	IL	1380	5.000	1158.4	1175.6	93.8 283.5	43.5 53.4	4.5 9.0	25.77	28.486	28.486	7.121	1381.7	224.8	1156.9
KSLG=20.558; WONO=19.718																	
WONO	LIC	Fort Wayne	IN	1380	5.000	1516.9	1530.0	96.6 288.8	42.9 53.1	2.0 5.5	15.52	6.748	9.227	2.307	743.2	175.0	568.2
WAOK=5.355; WSCG=4.106; WHEW=2.919; WSPD=2.630; WFCL=2.627; WTJK=2.479; WTOB=2.435; WPHM=2.277																	
KCNW	LIC	Fairway	KS	1380	.029	896.4	918.4	125.1 310.7	41.6 51.3	7.1 12.9	45.13	7.838	8.158	1.858	205.8=	205.8	0.0
KSLG=5.800; KCIM=3.796; KXCA=3.660; KBWD=2.262																	
WMTA	LIC	Central City	KY	1380	.023	1543.9	1556.8	113.6 304.1	40.9 51.0	1.8 5.3	16.93	7.137	8.410	2.103	620.9	161.8	459.1
WHEW=4.971; WAOK=3.676; WOOM=3.567; WONO=3.243; KRNN=3.045																	
WMJR	LIC	Winchester	KY	1380	.040	1725.5	1737.1	106.3 298.8	41.4 51.7	.9 4.0	13.05	11.163	11.871	2.968	1136.9	113.2	1023.7
WAOK=8.154; WONO=5.623; WHEW=5.149; WKJV=4.037																	

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
XEAPM		Apatzingan	Mx	1380	1.000	2775.5	2782.7	177.9	358.4	31.6	40.9	.0	.0	4.35	6.501	6.989	2.958	3403.4F	441.1	2962.3
XEAK=4.739; XEZZZ=3.325; XEGW=2.958; XEKV=2.565																				
XEAPM		Apatzingan	Mx	1380	1.000	2773.6	2780.8	177.9	358.4	31.6	40.9	.0	.0	4.35	6.503	6.990	2.961	3401.0F	441.1	2959.9
XEAK=4.742; XEZZZ=3.321; XEGW=2.961; XEKV=2.564																				
WSCG	LIC	Greenville	MI	1380	.500	1444.2	1458.0	87.6	280.0	43.9	54.1	2.4	6.1	15.95	48.434	48.434	12.108	3795.5	363.9	3431.6
WONO=48.434																				
WPHM	LIC	Port Huron	MI	1380	5.000	1670.9	1682.8	87.2	281.6	43.9	54.2	1.2	4.4	11.64	9.128	10.646	2.661	1143.5	374.2	769.3
WONO=7.792; WNIO=4.755; WSPD=3.853; WABH=2.875; WAOK=2.627																				
KLIZ	LIC	Brainerd	MN	1380	5.000	750.6	776.8	66.9	253.3	45.3	54.9	9.2	16.0	51.95	19.653	24.947	8.997	866.0=	866.0	0.0
WTJK=14.448; KCIM=13.323; KOTA=8.997; WONO=8.534; KSLG=6.526; WFCL=6.304																				
KAGE	LIC	Winona	MN	1380	.052	923.9	945.3	86.0	274.0	44.2	54.0	6.8	12.4	37.92	30.983	38.900	9.725	1282.4	396.7	885.7
WTJK=26.332; KCIM=16.327; KSLG=14.475; WONO=13.626; KLIZ=12.572																				
KAGE	SMV	Winona	MN	1380	.052	923.9	945.3	86.0	274.0	44.2	54.0	6.8	12.4	37.92	30.983	38.900	9.725	1282.4	396.7	885.7
WTJK=26.332; KCIM=16.327; KSLG=14.475; WONO=13.626; KLIZ=12.572																				
KSLG	LIC	St. Louis	MO	1380	1.000	1241.2	1257.2	115.1	303.7	41.5	51.4	3.8	8.1	25.24	2.647	3.904	.976	193.3	170.4	22.9
KBWD=1.678; WTJS=1.586; KMUS=1.295; WHEW=1.290; KXCA=1.124; WRBQ=1.089; WONO=1.082; WAOK=1.030; WTJK=.972; KCIM=.971																				
KSLG	LIC	St. Louis	MO	1380	1.000	1233.0	1249.1	114.0	302.6	41.6	51.5	3.9	8.2	25.41	2.513	3.856	.964	189.7	163.2	26.5
KBWD=1.622; WTJS=1.435; KMUS=1.275; WONO=1.173; WHEW=1.172; KXCA=1.158; WAOK=1.102; WRBQ=1.065; KCIM=1.044; WTJK=1.012																				
WNLA	LIC	Indianola	MS	1380	.044	1598.8	1611.3	133.1	321.0	38.9	48.9	1.5	4.9	17.61	40.885	40.885	10.221	2901.9	218.5	2683.4
WOOM=31.209; KRNN=26.413																				
WNLA	LIC	Indianola	MS	1380	.044	1596.5	1609.0	133.1	321.0	38.9	48.9	1.6	4.9	17.65	40.918	40.918	10.229	2897.1	218.5	2678.6
WOOM=31.161; KRNN=26.519																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult.	50% Limit	25% Limit	Req'd Prot.	Permis Rad.	Current Rad.	Margin
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)	(uV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)
XEPIC		Tepic	Mx	1380	1.000	2508.7	2516.7	184.1	3.2	32.8	41.9	.0	.0	5.63	7.752	9.435	3.876	3442.0F	457.0	2984.9
XEAPM=7.752; XEAK=3.820; XEGW=2.904; KHEY=2.428																				
CHLR		Moncton	Cn	1380	10.000	2992.8	2999.5	71.9	279.6	46.7	57.7	.0	.0	3.61	30.333	31.987	15.167	9999.9F	780.3	20208.5
CFDA=30.333; WMYF=10.151																				
WKJV	LIC	Asheville	NC	1380	1.000	1984.9	1995.0	111.1	304.4	40.3	50.6	.0	2.4	10.42	7.857	8.809	2.202	1056.5	144.6	912.0
WAOK=4.320; WVBB=3.884; WONO=3.859; WTOB=3.617; WDEF=3.091; WRBQ=2.514																				
WTOB	LIC	Winston-salem	NC	1380	2.500	2124.2	2133.6	106.5	301.4	40.7	51.1	.0	1.6	8.75	8.592	8.987	2.247	1284.4	114.4	1170.0
WKJV=6.435; WVBB=5.693; WAOK=2.638																				
KUVR	LIC	Holdrege	NE	1380	.062	506.6	544.7	140.7	323.3	42.3	51.6	14.7	24.1	107.70	6.362	6.894	3.982	184.8-	205.4	-20.5
KOTA=4.424; KMUS=3.436; KSLG=3.015; KBWD=2.015; KHEY=1.729																				
WMYF	LIC	Portsmouth	NH	1380	1.000	2596.4	2604.1	81.0	283.6	44.7	55.5	.0	.0	3.64	18.356	20.499	5.125	7037.3	535.6	6501.7
WSYB=18.356; WFNW=6.942; CFDA=5.924																				
WMYF	MV	Portsmouth	NH	1380	1.000	2596.4	2604.1	81.0	283.6	44.7	55.5	.0	.0	3.64	18.356	20.499	5.125	7037.3	535.6	6501.7
WSYB=18.356; WFNW=6.942; CFDA=5.924																				
YNRH1		R Revolucion	Nu	1380	10.000	3937.9	3943.0	148.9	337.7	28.3	38.7	.0	.0	1.94	11.242	12.473	5.621	9999.9F	260.4	14231.3
TILX=9.682; XEZZZ=5.714; WRBQ=4.196; HJEE=3.405																				
WABH	LIC	Bath	NY	1380	.119	2100.1	2109.6	86.2	284.1	43.9	54.5	.0	1.8	6.84	6.106	7.967	1.992	1456.6	401.2	1055.4
WNNY=4.080; CKLC=3.264; WSYB=3.160; WTMG=2.684; WXXI=2.359; WFNW=2.212; WDCW=2.109; WVBB=2.019																				
WABH	SMV	Bath	NY	1380	.021	2099.0	2108.5	86.1	284.0	43.9	54.5	.0	1.8	6.84	6.085	7.903	1.976	1444.4	402.8	1041.6
WNNY=4.042; CKLC=3.292; WSYB=3.138; WTMG=2.654; WXXI=2.272; WFNW=2.175; WDCW=2.120; WVBB=2.001																				
WNNY	LIC	New York	NY	1380	5.000	2403.4	2411.7	88.4	288.3	43.4	54.1	.0	.3	5.18	4.442	6.028	1.507	1455.6	347.0	1108.6
WDCW=3.292; WXXI=2.199; WLAN=2.015; WVBB=2.007; WZHF=1.928; WFEA=1.905; WSYB=1.682; WRSC=1.550																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WNNY	SMV	New York	NY	1380	5.000	2403.4	2411.7	88.4	288.3	43.4	54.1	.0	.3	5.18	4.442	6.028	1.507	1455.6	347.0	1108.6
WDCW=3.292; WXXI=2.199; WLAN=2.015; WVBB=2.007; WZHF=1.928; WFEA=1.905; WSYB=1.682; WRSC=1.550																				
WDLW	LIC	Lorain	OH	1380	.057	1737.2	1748.6	92.3	286.6	43.2	53.5	.8	3.9	11.29	7.487	9.046	2.261	1001.5	257.9	743.6
WONO=4.729; WVBB=4.308; WPHM=3.889; WAOK=2.783; WSCG=2.707; WFCL=2.352; WHEW=2.275																				
WDLW	SMV	Lorain	OH	1380	.057	1737.2	1748.6	92.3	286.6	43.2	53.5	.8	3.9	11.29	7.487	9.046	2.261	1001.5	257.9	743.6
WONO=4.729; WVBB=4.308; WPHM=3.889; WAOK=2.783; WSCG=2.707; WFCL=2.352; WHEW=2.275																				
KXCA	LIC	Lawton	OK	1380	1.000	1128.4	1146.0	156.9	339.9	39.3	48.8	4.7	9.4	33.24	7.680	9.366	2.038	306.6=	306.6	0.0
KBWD=7.680; KMUS=3.520; KHEY=3.046; KFNI=2.659																				
KMUS	???	Muskogee	OK	1380	.500	1132.5	1150.0	141.4	326.5	40.0	49.6	4.7	9.4	32.11	7.547	8.739	2.185	340.2	227.6	112.6
KXCA=6.103; KBWD=4.440; WOOM=2.894; WHEW=2.372; KCIM=2.326																				
KMUS	???	Muskogee	OK	1380	.500	1058.2	1077.0	142.2	326.9	40.2	49.8	5.4	10.3	35.89	7.840	8.654	2.163	301.4	228.9	72.6
KMUS=5.303; KBWD=4.288; KXCA=3.868; KCIM=2.659; WOOM=2.521																				
KMUS	LIC	Muskogee	OK	1380	.500	1132.9	1150.4	141.5	326.5	40.0	49.6	4.7	9.4	32.09	7.582	8.769	2.192	341.6	227.7	113.9
KXCA=6.141; KBWD=4.447; WOOM=2.894; WHEW=2.373; KCIM=2.323																				
KMUS	???	Sperry	OK	1380	.250	1058.2	1077.0	142.2	326.9	40.2	49.8	5.4	10.3	35.89	7.840	8.654	2.163	301.4	228.9	72.6
KMUS=5.303; KBWD=4.288; KXCA=3.868; KCIM=2.659; WOOM=2.521																				
KMUS	???	Sperry	OK	1380	.750	1058.2	1077.0	142.2	326.9	40.2	49.8	5.4	10.3	35.89	7.840	8.654	2.163	301.4	228.9	72.6
KMUS=5.303; KBWD=4.288; KXCA=3.868; KCIM=2.659; WOOM=2.521																				
CKPC		Brantford	Cn	1380	10.000	1840.7	1851.5	85.4	281.3	44.1	54.5	1.8	1.8	13.59	4.968	6.443	2.358	867.8F	419.6	448.1
KCIM=2.662; WAOK=2.501; WNNY=2.404; WONO=2.358; WHEW=2.354; WFCL=2.005; WMYF=1.960; WTJK=1.851																				
CKPC		Brantford	Cn	1380	25.000	1840.7	1851.5	85.4	281.3	44.1	54.5	1.8	1.8	13.59	4.968	6.443	2.358	867.8F	419.6	448.1
KCIM=2.662; WAOK=2.501; WNNY=2.404; WONO=2.358; WHEW=2.354; WFCL=2.005; WMYF=1.960; WTJK=1.851																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
CKLC		Kingston	Cn	1380	10.000	2127.1	2136.5	80.1	278.9	44.9	55.5	.3	.3	8.76	4.683	7.262	2.342	1336.2F	559.7	776.5
WSYB=3.440; WNNY=3.177; WTMC=2.319; WTJK=2.245; WVBB=2.121; WSCG=2.111; WPHM=2.106; WFNW=1.878; WMYF=1.862																				
KSRV	???	Ontario	OR	1380	1.000	1100.5	1118.5	274.9	85.3	44.2	52.3	5.0	9.8	30.10	2.986	3.232	.727	120.8=	120.8	0.0
KXTL=1.860; KRKO=1.792; KXCA=1.499; KHEY=.913; KTKZ=.835																				
KSRV	LIC	Ontario	OR	1380	1.000	1100.5	1118.5	274.9	85.3	44.2	52.3	5.0	9.8	30.10	2.987	3.233	.728	120.9=	120.9	0.0
KXTL=1.861; KRKO=1.793; KXCA=1.498; KHEY=.912; KTKZ=.836																				
WTYM	LIC	Kittanning	PA	1380	.028	1967.7	1977.8	92.3	288.4	43.0	53.5	.0	2.5	8.65	5.431	7.264	1.816	1050.1	256.7	793.4
WNNY=4.104; WTMC=2.555; WPHM=2.473; WVBB=2.420; WFNW=2.340; WSYB=2.166; WSPD=1.984; WHEW=1.821																				
WMLP	LIC	Milton	PA	1380	.018	2173.3	2182.5	89.8	287.7	43.3	53.9	.0	1.4	6.69	8.850	11.608	2.902	2170.3	314.3	1856.0
WNNY=7.634; WTMC=4.477; WXXI=4.082; WFNW=3.876; WVBB=3.612; WSYB=3.422																				
WHGT	PRM	Waynesboro	PA	1380	.020	2161.4	2170.7	93.9	291.1	42.6	53.2	.0	1.4	7.20	9.406	10.432	2.608	1811.1	224.9	1586.2
WNNY=7.788; WTMC=5.275; WVBB=4.512																				
WOLA	LIC	Barranquitas	PR	1380	1.000	4474.8	4479.2	118.1	318.1	32.4	43.6	.0	.0	2.63	12.348	15.006	3.752	7127.7	187.9	6939.8
YVJD=10.137; YVJC=7.050; 4VARH=5.354; WRBQ=5.071; HJEE=4.283																				
CFDA		Victoriaville	Cn	1380	10.000	2442.5	2450.7	73.8	276.2	46.1	56.8	.0	.0	6.09	17.004	18.853	8.502	6983.8F	727.2	6256.6
WMYF=12.040; WSYB=12.007; CKLC=6.443; WNNY=4.977																				
CFDA		Victoriaville	Cn	1380	10.000	2442.5	2450.7	73.8	276.2	46.1	56.8	.0	.0	6.09	17.004	18.853	8.502	6983.8F	727.2	6256.6
WMYF=12.040; WSYB=12.007; CKLC=6.443; WNNY=4.977																				
WNRI	LIC	Woonsocket	RI	1380	.018	2570.0	2577.8	83.9	285.8	44.1	54.9	.0	.0	4.01	16.161	19.066	4.767	5948.9	459.4	5489.4
WSYB=12.662; WNNY=10.041; WFNW=7.276; WMYF=7.030																				
WAGS	PRM	Bishopville	SC	1380	.067	2250.7	2259.5	111.2	305.8	39.7	50.2	.0	1.0	8.23	51.561	51.561	12.890	7834.8	145.1	7689.7
WTOB=35.410; WKJV=28.532; WAOK=24.302																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WGUS	LIC	North Augusta	SC	1380	.070	2173.1	2182.3	115.4	308.9	39.2	49.7	.0	1.4	9.15	31.703	33.470	8.368	4571.0	173.6	4397.3
WAOK=31.703; WKJV=10.733																				
WGUS	SMV	North Augusta	SC	1380	.070	2173.1	2182.3	115.4	308.9	39.2	49.7	.0	1.4	9.15	31.703	33.470	8.368	4571.0	173.6	4397.3
WAOK=31.703; WKJV=10.733																				
KOKD	LIC	Redfield	SD	1380	.142	383.6	432.6	73.9	257.1	44.5	53.9	19.7	31.1	146.46	17.091	20.466	15.382	525.1-	583.5	-58.3
KOTA=17.091; KLIZ=8.226; KCIM=7.685																				
XE0015		San Luis Potosi	Mx	1380	.500	2441.1	2449.2	174.5	355.7	33.1	42.5	.0	.0	6.10	9.125	10.757	4.562	3741.1F	426.8	3314.3
XEAPM=7.890; XEAK=4.584; KRNN=3.069; XEZZZ=2.997; XEKV=2.687; XEGW=2.616																				
XEGW		Cd.victoria	Mx	1380	.150	2288.7	2297.4	169.4	351.7	33.9	43.4	.0	.0	7.12	8.451	11.120	4.225	2967.9F	398.9	2569.0
XEAPM=6.362; KRNN=5.563; XEAK=3.877; KBWD=3.291; XEZZZ=3.026; KFNI=2.958; XEKV=2.909																				
XEKV		Villahermosa	Mx	1380	.500	3051.8	3058.4	158.5	343.9	31.1	41.0	.0	.0	3.45	9.429	11.704	4.714	6823.4F	323.6	6499.8
XEZZZ=7.704; WRBQ=5.435; XEAPM=3.925; WAOK=3.553; KRNN=3.264; TILX=3.066																				
WYSH	LIC	Clinton	TN	1380	.080	1837.9	1848.7	112.1	304.5	40.5	50.7	.3	3.3	12.14	8.716	10.518	2.629	1082.6	151.7	931.0
WKJV=5.623; WAOK=5.028; WONO=4.367; WHEW=3.520; WTOB=3.454; WVBB=3.216																				
WYSH	SMV	Clinton	TN	1380	.500	1837.9	1848.7	112.1	304.5	40.5	50.7	.3	3.3	12.14	8.716	10.518	2.629	1082.6	151.7	931.0
WKJV=5.623; WAOK=5.028; WONO=4.367; WHEW=3.520; WTOB=3.454; WVBB=3.216																				
WHEW	CP	Franklin	TN	1380	.250	1651.0	1663.0	117.6	308.1	40.3	50.4	1.3	4.5	15.37	5.606	7.610	1.903	618.9	185.6	433.4
KRNN=4.100; WKJV=2.803; KSLG=2.599; WTOB=2.262; WONO=2.239; KXCA=2.152; WRBQ=2.125; WVBB=1.927; KMUS=1.872																				
WHEW	LIC	Franklin	TN	1380	.500	1650.8	1662.9	117.4	308.0	40.3	50.4	1.3	4.5	15.36	5.507	7.521	1.880	612.2	184.6	427.6
KRNN=4.048; WKJV=2.794; KSLG=2.477; WONO=2.262; WTOB=2.258; KXCA=2.116; WRBQ=2.112; WVBB=1.935; KMUS=1.827																				
WOOM	LIC	Millington	TN	1380	1.000	1489.3	1502.6	126.1	314.6	39.9	49.8	2.2	5.8	19.29	13.699	16.358	4.089	1059.9	212.0	847.9
KRNN=11.426; WHEW=7.556; KSLG=6.604; KMUS=4.471; KXCA=4.039																				

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Monday, January 15, 2001

Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)	Mid-Pt Lat GC GMag (deg) (deg)	---- Theta ---- Min Max (deg) (deg)	S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
KRCM	LIC	Beaumont	TX	1380	.127	1748.5	1759.9	149.9 335.4	37.1 46.9	.8 3.8	16.10	23.010	26.405	6.601	2049.6	265.6	1784.0
KRNN=23.010; WOON=7.867; KXCA=7.380; KMUS=7.170																	
KBWD	LIC	Brownwood	TX	1380	.500	1418.9	1432.9	163.5 346.1	37.9 47.3	2.6 6.4	23.29	7.645	7.645	1.911	410.3	357.9	52.4
KXCA=5.034; KFNI=4.395; KHEY=3.713																	
KHEY	LIC	El Paso	TX	1380	.500	1392.9	1407.2	192.6 10.6	37.9 46.8	2.8 6.6	24.46	4.867	6.078	1.995	407.7-	453.0	-45.3
KBWD=3.378; KTKZ=2.714; KOTA=2.216; KFNI=1.939; XEAPM=1.836; KSRV=1.778; KXCA=1.721																	
KMUL	LIC	Muleshoe	TX	1380	.148	1090.9	1109.1	177.8 358.1	39.1 48.3	5.1 9.9	35.79	12.126	13.408	3.089	431.5=	431.5	0.0
KXCA=10.382; KHEY=6.267; KBWD=5.720																	
KFNI	LIC	Pleasanton	TX	1380	.165	1721.7	1733.2	164.6 347.4	36.5 46.0	.9 4.0	17.08	9.576	10.881	2.720	796.1	367.1	429.0
KBWD=7.966; KRNN=5.314; KHEY=3.088; XEGW=3.055; KMUS=2.797																	
WLRV	LIC	Lebanon	VA	1380	.063	1943.2	1953.5	106.8 300.6	41.0 51.3	.0 2.6	10.42	7.081	8.948	2.237	1073.0	115.6	957.4
WVBB=4.897; WONO=3.874; WAOK=3.339; WTOB=3.219; WHEW=2.997; WNNY=2.402; WKJV=2.194																	
WVBB	LIC	Richmond	VA	1380	5.000	2268.7	2277.5	99.4 296.4	41.5 52.1	.0 .9	7.03	3.685	5.458	1.365	971.0	134.2	836.8
WNNY=2.650; WTOB=1.830; WKJV=1.791; WAOK=1.647; WABH=1.627; WSPD=1.546; WXXI=1.538; WSYB=1.485; WRBQ=1.403; WONO=1.387																	
XETP		Banderilla	Mx	1380	.130	2781.3	2788.4	165.9 349.3	31.8 41.5	.0 .0	4.32	10.239	12.394	4.774	5519.9F	376.3	5143.6
XEAPM=6.604; XEZZZ=6.199; XEKV=4.774; XEAK=4.008; KRNN=3.764; XEGW=3.064; WAOK=3.026																	
XETP1		Banderilla	Mx	1380	1.000	2781.3	2788.4	165.9 349.3	31.8 41.5	.0 .0	4.32	10.239	12.394	4.774	5519.9F	376.3	5143.6
XEAPM=6.604; XEZZZ=6.199; XEKV=4.774; XEAK=4.008; KRNN=3.764; XEGW=3.064; WAOK=3.026																	
YVTL		Caja Seca	Ve	1380	1.000	4970.8	4974.8	131.8 327.1	27.4 38.5	.0 .0	1.19	26.952	30.495	12.848	9999.9F	217.9	53953.9
YVJD=17.733; HJEE=15.711; HJIO=12.848; YVJC=11.140; HJMM=8.913																	
YVJD		Puerto Cabel	Ve	1380	5.000	5026.4	5030.4	127.1 324.3	28.4 39.5	.0 .0	1.16	18.654	22.908	9.327	9999.9F	213.8	40031.7
YVJC=15.065; HJEE=11.002; HJIO=8.283; YVTL=7.922; HJMM=6.741																	

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
YVJC		Soledad	Ve	1380	5.000	5527.6	5531.3	124.2	323.1	27.5	38.7	.0	.0	.95	15.073	18.302	7.536	9999.9F	208.9	39302.4
YVJD=15.073; HJEE=7.031; HJIO=5.788; YVTL=4.982																				
WSYB	LIC	Rutland	VT	1380	1.000	2409.5	2417.8	80.6	281.7	44.8	55.5	.0	.2	4.38	7.438	9.377	2.344	2673.3	547.1	2126.2
WNNY=7.438; WFNW=3.104; CFDA=2.854; WFEA=2.750; WABH=2.692																				
KRKO	???	Everett	WA	1380	50.000	1516.9	1530.1	293.0	99.3	46.3	54.0	2.0	5.5	14.50	2.389	3.160	1.256	433.0-	481.1	-48.1
KAST=1.940; KOTA=1.395; KBBO=1.181; KTKZ=.878; KTOM=.860; KSLM=.830; KSRV=.826																				
KRKO	LIC	Everett	WA	1380	5.000	1526.0	1539.0	293.1	99.4	46.4	54.0	1.9	5.5	14.30	2.404	3.163	1.249	436.7-	485.2	-48.5
KAST=1.963; KOTA=1.387; KBBO=1.181; KTKZ=.868; KTOM=.854; KSLM=.822; KSRV=.820																				
WFCL	LIC	Clintonville	WI	1380	1.800	1149.4	1166.6	82.0	272.1	44.5	54.5	4.5	9.1	24.50	55.392	55.392	13.848	2826.1	502.8	2323.3
WTJK=47.816; WONO=27.961																				
WHMA	LIC	Anniston	AL	1390	1.000	1882.6	1893.2	121.7	312.7	39.2	49.4	.1	3.0	12.47	11.151	12.776	3.194	9999.9	202.3	12607.8
WTJS=11.151; WADA=3.831; WROA=3.509; WXTC=3.448																				
KDQN	PRM	De Queen	AR	1390	.086	1347.9	1362.6	142.6	328.2	39.1	48.8	3.1	7.0	24.22	6.725	8.754	2.189	4518.2	232.2	4286.0
KCRC=5.189; WTJS=4.278; KFRA=3.074; KBEC=3.042; KKSO=2.615; KHOB=2.422																				
KZAR	LIC	Rogers	AR	1390	.049	1146.7	1164.0	135.2	321.0	40.3	50.0	4.6	9.2	30.98	8.572	9.506	2.376	3836.1	218.2	3617.9
KCRC=7.433; KKSO=4.270; WTJS=3.008; KBEC=2.799																				
KLTX	LIC	Long Beach	CA	1390	3.600	1713.3	1724.9	233.9	44.4	39.2	47.2	.9	4.1	16.54	2.941	4.387	1.097	3315.5	231.8	3083.7
KCRC=2.143; KSLM=1.450; KKSO=1.399; KESQ=1.371; KENN=1.296; KHOB=1.227; KKZZ=1.192; KKJL=1.184; KBBO=1.172; KVBL=1.154																				
KLTX	SMV	Long Beach	CA	1390	3.600	1713.3	1724.9	233.9	44.4	39.2	47.2	.9	4.1	16.54	2.941	4.387	1.097	3315.5	231.8	3083.7
KCRC=2.143; KSLM=1.450; KKSO=1.399; KESQ=1.371; KENN=1.296; KHOB=1.227; KKZZ=1.192; KKJL=1.184; KBBO=1.172; KVBL=1.154																				
KVIN	LIC	Turlock	CA	1390	5.000	1637.1	1649.2	249.8	58.3	41.1	48.9	1.3	4.6	16.81	8.550	10.277	2.569	7640.6	212.4	7428.2
KLTX=8.550; KENN=4.117; KLGK=2.799; KSLM=2.781																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
KVIN	SMV	Turlock	CA	1390	5.000	1637.1	1649.2	249.8	58.3	41.1	48.9	1.3	4.6	16.81	8.550	10.277	2.569	7640.6	212.4	7428.2
KLTX=8.550; KENN=4.117; KLGW=2.799; KSLM=2.781																				
KJME	???	Denver	CO	1390	.115	493.4	532.4	198.0	16.8	41.9	50.9	15.1	24.7	113.53	12.624	15.009	3.752	1652.5	364.9	1287.6
KENN=9.212; KCRC=8.632; KKSO=6.059; KLTX=3.855; KXSS=3.786																				
KJME	LIC	Denver	CO	1390	.139	509.4	547.2	197.9	16.7	41.8	50.8	14.6	24.0	108.87	13.425	15.216	3.804	1747.0	370.1	1376.9
KENN=10.059; KCRC=8.890; KKSO=6.008; KLTX=3.901																				
KJME	SMV	Denver	CO	1390	.139	509.4	547.2	197.9	16.7	41.8	50.8	14.6	24.0	108.87	13.425	15.216	3.804	1747.0	370.1	1376.9
KENN=10.059; KCRC=8.890; KKSO=6.008; KLTX=3.901																				
WAVP	PRM	Avon Park	FL	1390	.077	2659.4	2666.9	126.1	319.0	36.3	46.8	.0	.0	7.01	20.777	21.809	5.452	9999.9	212.5	38699.3
WROA=20.777; WHMA=6.629																				
WAJD	LIC	Gainesville	FL	1390	.051	2438.3	2446.5	123.9	316.6	37.3	47.7	.0	.1	8.01	21.102	24.159	6.040	9999.9	208.4	37505.0
WROA=18.837; WHMA=9.510; WXTG=8.474; WADA=8.158																				
WAJD	SMV	Gainesville	FL	1390	.051	2438.3	2446.5	123.9	316.6	37.3	47.7	.0	.1	8.01	21.102	24.159	6.040	9999.9	208.4	37505.0
WROA=18.837; WHMA=9.510; WXTG=8.474; WADA=8.158																				
KCLN	CP	Clinton	IA	1390	.091	1079.4	1097.8	98.1	287.0	43.2	53.0	5.2	10.0	30.03	17.852	18.465	4.616	7686.3	149.1	7537.2
WGCI=17.852; WTJS=4.720																				
KCLN	LIC	Clinton	IA	1390	.091	1079.7	1098.1	98.1	287.0	43.2	53.0	5.2	10.0	30.01	17.876	18.488	4.622	7699.6	149.1	7550.5
WGCI=17.876; WTJS=4.717																				
KKSO	LIC	Des Moines	IA	1390	1.000	832.6	856.3	105.7	292.3	42.9	52.6	7.9	14.1	48.48	7.239	8.570	2.143	2209.9	107.6	2102.3
WTJS=6.321; WGCI=3.527; KCRC=2.881; KENN=2.870; KRRZ=2.126																				
WGCI	LIC	Chicago	IL	1390	5.000	1285.2	1300.7	96.1	286.7	43.1	53.2	3.5	7.6	21.41	3.211	4.824	1.206	2816.2	182.4	2633.8
WDCW=2.197; WTJS=1.715; WXTG=1.594; KENN=1.563; WONO=1.522; WHMA=1.399; KSLG=1.289; WADA=1.264; WRSC=1.225; KCRC=1.220																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WFIW	LIC	Fairfield	IL	1390	.058	1390.2	1404.5	111.8	301.6	41.4	51.5	2.8	6.6	20.28	8.218	8.484	2.121	5230.4	148.7	5081.7
WTJS=6.282; WGCI=5.299; KCRC=2.106																				
WZZB	LIC	Seymour	IN	1390	.074	1542.5	1555.4	105.4	296.9	41.8	52.0	1.9	5.3	16.06	9.985	10.719	2.680	8341.3	109.7	8231.6
WGCI=8.088; WTJS=5.855; WDCW=2.838; WHMA=2.676																				
WZZB	SMV	Seymour	IN	1390	.074	1542.5	1555.4	105.4	296.9	41.8	52.0	1.9	5.3	16.06	9.985	10.719	2.680	8341.3	109.7	8231.6
WGCI=8.088; WTJS=5.855; WDCW=2.838; WHMA=2.676																				
KNCK	LIC	Concordia	KS	1390	.054	674.0	703.1	135.6	319.2	41.8	51.3	10.5	18.0	71.49	13.403	15.378	3.844	2688.6	209.9	2478.8
KKSO=13.403; KCRC=5.442; KENN=5.215																				
WKIC	PRM	Hazard	KY	1390	.058	1840.7	1851.6	107.4	300.5	41.1	51.4	.3	3.2	11.64	12.255	14.693	3.673	9999.9	118.9	15665.1
WNIO=8.199; WTJS=6.713; WXTG=6.156; WADA=5.004; WRSC=4.719; WEED=4.288																				
KFRA	LIC	Franklin	LA	1390	.244	1883.2	1893.8	143.0	330.1	37.1	47.0	.1	3.0	13.92	6.388	7.807	1.952	7012.6	234.9	6777.7
WHMA=5.404; KBEC=3.407; KHOB=2.439; KRNN=2.402; WADA=2.103; XE=1.998																				
WPLM	LIC	Plymouth	MA	1390	5.000	2634.2	2641.8	83.6	286.1	44.2	55.0	.0	.0	3.74	25.902	31.309	7.827	9999.9	467.0	104222.7
WDCW=22.907; WZHF=12.090; WKDR=11.028; WLAN=10.430; WRSC=8.884																				
WEGP	LIC	Presque Isle	ME	1390	5.000	2738.2	2745.5	71.4	276.8	46.7	57.6	.0	.0	2.38	7.720	8.688	2.172	9999.9	791.5	44891.6
WDCW=5.460; CFDA=4.218; WKDR=3.464; CHOO=2.432; WRSC=2.271; WLAN=2.193																				
WLCM	LIC	Charlotte	MI	1390	.070	1488.3	1501.6	89.9	282.5	43.7	53.8	2.2	5.8	15.27	24.860	26.346	6.586	9999.9	310.1	21252.5
WGCI=24.860; WNIO=8.723																				
WLCM	SMV	Charlotte	MI	1390	.070	1488.3	1501.6	89.9	282.5	43.7	53.8	2.2	5.8	15.27	24.860	26.346	6.586	9999.9	310.1	21252.5
WGCI=24.860; WNIO=8.723																				
-2000013	???	Manning	MI	1390	1.000	1494.2	1507.5	77.3	270.6	45.1	55.3	2.1	5.7	13.49	39.633	39.633	9.908	9999.9	632.9	36079.0
WGCI=30.070; WNIO=25.817																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
-2000102	???	Manning	MI	1390	1.000	1494.2	1507.5	77.3	270.6	45.1	55.3	2.1	5.7	13.49	39.633	39.633	9.908	9999.9	632.9	36079.0
WGCI=30.070; WNIO=25.817																				
KRFO	LIC	Owatonna	MN	1390	.094	799.2	823.8	86.2	273.2	44.2	53.9	8.4	14.8	49.13	11.880	14.638	3.659	3723.9	385.9	3338.0
KKSO=11.880; WGCI=5.719; KXSS=5.265; WTJS=3.564																				
KRFO	SMV	Owatonna	MN	1390	.094	799.2	823.8	86.2	273.2	44.2	53.9	8.4	14.8	49.13	11.880	14.638	3.659	3723.9	385.9	3338.0
KKSO=11.880; WGCI=5.719; KXSS=5.265; WTJS=3.564																				
KXSS	LIC	Waite Park	MN	1390	1.000	723.6	750.7	73.5	259.8	44.9	54.5	9.6	16.6	56.37	8.214	9.786	2.447	2170.1	699.3	1470.9
WGCI=5.204; KKSO=4.881; KRRZ=4.071; WRIG=3.507; KLIZ=3.028; WTJS=2.615																				
KXSS	???	Waite Pk, St. Cl	MN	1390	1.000	723.6	750.7	73.5	259.8	44.9	54.5	9.6	16.6	56.37	8.214	9.786	2.447	2170.1	699.3	1470.9
WGCI=5.204; KKSO=4.881; KRRZ=4.071; WRIG=3.507; KLIZ=3.028; WTJS=2.615																				
KJPW	LIC	Waynesville	MO	1390	.111	1154.5	1171.7	123.0	310.2	41.1	50.9	4.5	9.1	29.50	13.629	14.204	3.551	6018.6	204.1	5814.5
WTJS=13.629; KCRC=4.000																				
WROA	LIC	Gulfport	MS	1390	5.000	1953.0	1963.2	135.9	324.5	37.5	47.5	.0	2.6	12.69	12.306	13.747	3.437	9999.9	220.8	13322.0
WHMA=10.865; WTJS=5.778; KFRA=4.922; WADA=3.649																				
WMER	LIC	Meridian	MS	1390	.101	1809.4	1820.4	131.0	320.1	38.4	48.5	.5	3.4	14.11	14.535	15.103	3.776	9999.9	217.4	13160.8
WTJS=11.637; WHMA=8.709; KFRA=4.103																				
WEED	LIC	Rocky Mount	NC	1390	2.500	2327.2	2335.8	104.0	300.5	40.7	51.3	.0	.6	7.09	14.629	16.455	4.114	9999.9	107.4	28909.3
WXTC=14.629; WDCW=4.547; WADA=4.484; WZHF=3.998																				
WADA	LIC	Shelby	NC	1390	.500	2081.8	2091.3	110.3	304.3	40.2	50.6	.0	1.8	9.45	14.911	14.911	3.728	9999.9	138.8	19580.3
WXTC=14.911																				
WJRM	PRM	Troy	NC	1390	.035	2205.8	2214.8	107.9	303.0	40.3	50.8	.0	1.2	8.25	11.062	12.587	3.147	9999.9	122.3	18938.4
WXTC=11.062; WTOB=3.561; WADA=3.516; WDCW=3.322																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

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Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth -- To From (deg) (deg)		Mid-Pt Lat GC GMag (deg) (deg)		---- Theta ---- Min Max (deg) (deg)		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
KRRZ	LIC	Minot	ND	1390	1.000	488.2	527.6	17.2	198.6	46.1	55.3	15.3	25.0	100.68	2.868	4.072	2.581	1281.8-	1424.2	-142.4
KOTA=2.868; KLTX=1.376; WTJS=1.332; WGCI=1.110; KQDJ=1.091; KLIZ=1.067; KBJM=1.062																				
KENN	LIC	Farmington	NM	1390	1.300	916.0	937.6	208.9	25.7	40.4	49.2	6.9	12.6	46.72	9.214	11.166	2.792	2987.3	369.8	2617.5
KCRC=6.752; KLTX=6.270; KHOB=4.311; KKSO=3.416; KLGN=3.087																				
KHOB	LIC	Hobbs	NM	1390	.500	1255.7	1271.5	180.0	360.0	38.4	47.5	3.7	7.9	28.75	9.673	10.805	2.701	4698.1	442.8	4255.3
KCRC=7.017; KENN=6.659; KBEC=4.038; KLTX=2.621																				
WEOK	LIC	Poughkeepsie	NY	1390	.106	2386.7	2395.0	85.9	286.1	43.8	54.5	.0	.3	5.02	37.374	42.516	10.629	9999.9	407.0	105411.9
WDCW=37.374; WRSC=14.629; WLAN=14.029																				
WEOK	SMV	Poughkeepsie	NY	1390	.106	2386.7	2395.0	85.9	286.1	43.8	54.5	.0	.3	5.02	37.374	42.516	10.629	9999.9	407.0	105411.9
WDCW=37.374; WRSC=14.629; WLAN=14.029																				
WRIV	LIC	Riverhead	NY	1390	.064	2512.8	2520.8	87.3	288.1	43.5	54.3	.0	.0	4.56	38.130	45.631	11.408	9999.9	374.3	124809.3
WDCW=31.984; WZHF=20.758; WLAN=18.075; WRSC=12.860; WKDR=11.671																				
WDCW	LIC	Syracuse	NY	1390	5.000	2166.1	2175.4	83.1	281.9	44.4	55.0	.0	1.4	6.04	3.471	5.034	1.259	9999.9	479.0	9947.9
CHOO=2.498; WRSC=2.410; WKDR=1.516; WTJS=1.483; WGCI=1.480; WICK=1.304; WDNV=1.298; WXTN=1.296; WZHF=1.241																				
WBLL	LIC	Bellefontaine	OH	1390	.081	1648.9	1661.0	97.6	290.7	42.6	52.9	1.3	4.5	13.24	9.872	11.374	2.844	9999.9	159.1	10580.1
WNIO=6.988; WGCI=6.973; WTJS=4.108; WDCW=3.878																				
WBLL	SMV	Bellefontaine	OH	1390	.081	1648.9	1661.0	97.6	290.7	42.6	52.9	1.3	4.5	13.24	9.872	11.374	2.844	9999.9	159.1	10580.1
WNIO=6.988; WGCI=6.973; WTJS=4.108; WDCW=3.878																				
WMPO	LIC	Middleport-pomer	OH	1390	.120	1838.4	1849.2	100.4	294.5	42.0	52.4	.3	3.3	10.92	18.556	19.905	4.976	9999.9	124.1	22655.7
WNIO=18.556; WRSC=5.341; WTJS=4.835																				
WNIO	CP	Youngstown	OH	1390	4.200	1876.4	1887.0	92.7	288.1	43.0	53.5	.2	3.0	9.62	6.596	8.767	2.192	9999.9	249.2	11138.4
WDCW=5.321; WRSC=3.899; WLAN=3.067; WTJS=3.014; WXTN=2.835; WGCI=2.614																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult.	50% Limit	25% Limit	Req'd Prot.	Permis Rad.	Current Rad.	Margin
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)	(uV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)
WNIO	LIC	Youngstown	OH	1390	5.000	1870.8	1881.5	92.5	287.8	43.1	53.5	.2	3.1	9.66	6.508	8.623	2.156	9999.9	253.9	10905.6
WDCW=5.237; WRSC=3.863; WTJS=2.982; WLAN=2.931; WXTC=2.791; WGCI=2.596																				
WNIO	LIC	Youngstown	OH	1390	5.000	1863.1	1873.8	92.2	287.5	43.1	53.5	.2	3.1	9.71	6.396	8.449	2.112	9999.9	259.9	10613.1
WDCW=5.121; WRSC=3.832; WTJS=2.942; WLAN=2.785; WXTC=2.731; WGCI=2.572																				
KCRC	LIC	Enid	OK	1390	1.000	958.6	979.2	150.2	333.6	40.3	49.7	6.4	11.8	42.57	3.035	4.605	1.151	1352.2	260.5	1091.7
KLTX=1.948; KBEC=1.788; KFRA=1.488; KWON=1.407; KHOB=1.388; KREF=1.380; KRRZ=1.332; KTMK=1.268; KENN=1.189; KEYE=1.180																				
KSLM	LIC	Salem	OR	1390	.690	1576.0	1588.6	280.8	86.8	44.9	52.5	1.7	5.1	14.87	2.716	3.615	.904	3039.3	199.9	2839.3
KLTX=1.980; KNND=1.329; KLCK=1.300; KEDO=1.226; KCRC=1.048; KENN=1.029; KITZ=1.019; KJDY=.998																				
KSLM	SMV	Salem	OR	1390	1.000	1576.4	1589.0	280.6	86.6	44.9	52.5	1.7	5.1	14.89	2.718	3.742	.935	3141.7	196.0	2945.8
KLTX=1.995; KNND=1.315; KLCK=1.295; KEDO=1.249; KCRC=1.053; KENN=1.048; KITZ=1.011; KJDY=1.001; KVIN=.908																				
WLAN	LIC	Lancaster	PA	1390	1.000	2249.9	2258.7	92.0	290.2	42.8	53.4	.0	1.0	6.41	15.073	16.959	4.240	9999.9	264.0	32816.3
WDCW=13.325; WRSC=7.046; WZHF=6.330; WNIO=4.510																				
WLAN	SMV	Lancaster	PA	1390	1.000	2249.9	2258.7	92.0	290.2	42.8	53.4	.0	1.0	6.41	15.073	16.959	4.240	9999.9	264.0	32816.3
WDCW=13.325; WRSC=7.046; WZHF=6.330; WNIO=4.510																				
WRSC	LIC	State College	PA	1390	1.000	2094.2	2103.8	91.1	288.3	43.1	53.7	.0	1.8	7.41	9.552	11.062	2.766	9999.9	284.5	18373.3
WDCW=8.052; WLAN=5.137; WNIO=4.580; WZHF=3.188																				
WISA	LIC	Isabela	PR	1390	1.000	4397.2	4401.8	118.5	318.2	32.5	43.7	.0	.0	2.73	15.431	16.102	4.025	9999.9	190.1	73611.9
YVZC=11.898; YVZA=9.827; WXTC=4.598																				
WHPB	PRM	Belton	SC	1390	.036	2064.5	2074.2	113.8	307.0	39.7	50.1	.0	1.9	9.92	14.388	14.388	3.597	9999.9	163.2	17972.3
WXTC=14.388																				
WXTC	LIC	Charleston	SC	1390	5.000	2360.4	2368.8	114.0	308.6	39.0	49.5	.0	.5	7.75	4.912	6.387	1.597	9999.9	164.6	10141.5
WAOK=3.297; WTOB=2.755; WDCW=2.381; YVZC=2.342; WKJV=2.150; WEED=1.857; WADA=1.762																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC	Slant	-- Azimuth --		Mid-Pt Lat		---- Theta----		S.W.	50%	25%	Req'd	Permis	Current	Margin
						Dist. (km)	Dist. (km)	To	From	GC	GMag	Min	Max	Mult.	Limit	Limit	Prot.	Rad.	Rad.	
WXTC	SMV	Charleston	SC	1390	5.000	2360.5	2368.9	114.0	308.6	39.0	49.5	.0	.5	7.75	4.912	6.387	1.597	9999.9	164.6	10142.2
WAOK=3.296; WTOB=2.756; WDCW=2.381; YVZC=2.343; WKJV=2.150; WEED=1.858; WADA=1.760																				
KJAM	LIC	Madison	SD	1390	.062	480.8	520.8	88.2	272.4	44.1	53.5	15.6	25.3	109.70	20.647	21.723	5.431	2475.4	309.0	2166.4
KXSS=20.647; KKSO=6.755																				
WYXI	LIC	Athens	TN	1390	.062	1849.5	1860.2	114.7	306.7	40.1	50.4	.3	3.2	12.25	8.882	10.399	2.600	9999.9	169.2	10442.2
WADA=5.322; WTJS=5.164; WXTC=4.888; WNIO=4.298; WRSC=3.284																				
WTJS	LIC	Jackson	TN	1390	1.000	1536.0	1549.0	122.5	311.7	40.1	50.1	1.9	5.4	17.96	4.706	6.161	1.540	4287.0	204.3	4082.7
KCRC=3.008; WGCI=2.808; WROA=2.284; KFRA=2.258; WADA=2.125; WXTC=1.770; WDCW=1.748																				
WMCT	PRM	Mountain City	TN	1390	.058	1992.2	2002.2	107.5	301.5	40.8	51.2	.0	2.3	10.01	11.043	14.947	3.737	9999.9	120.0	18544.8
WXTC=9.445; WADA=5.723; WNIO=5.345; WRSC=5.058; WEED=4.917; WTJS=4.808																				
KULP	LIC	El Campo	TX	1390	.180	1758.4	1769.8	157.3	341.5	36.7	46.3	.7	3.8	16.27	8.566	10.398	2.599	7989.0	314.7	7674.3
KBEC=7.104; KHOB=4.787; KFRA=3.560; XEXO=3.023; XE=2.545; KENN=2.539																				
KBEC	LIC	Waxahachie	TX	1390	.260	1402.6	1416.8	154.6	338.5	38.3	47.9	2.7	6.5	23.36	7.087	9.432	2.358	5048.0	294.0	4754.0
KHOB=5.096; KCRC=4.925; KENN=3.424; WROA=3.312; WTJS=2.837; KFRA=2.828																				
KBEC	SMV	Waxahachie	TX	1390	.065	1402.7	1416.8	154.8	338.7	38.3	47.9	2.7	6.5	23.37	7.150	9.476	2.369	5069.3	295.8	4773.5
KHOB=5.175; KCRC=4.934; KENN=3.459; WROA=3.309; WTJS=2.808; KFRA=2.807																				
KLGN	LIC	Logan	UT	1390	.500	750.4	776.6	253.1	67.2	43.0	51.4	9.2	16.0	60.15	6.509	8.209	2.052	1705.9	197.8	1508.1
KLTX=5.623; KCRC=3.279; KBBO=2.460; CJCY=2.368; KKSO=2.228; KSLM=2.065; KVIN=2.033																				
WZHF	LIC	Arlington	VA	1390	5.000	2231.3	2240.3	95.8	293.2	42.2	52.8	.0	1.1	6.91	10.084	11.797	2.949	9999.9	188.7	21147.7
WDCW=7.970; WRSC=6.178; WNIO=4.620; WXTC=4.017																				
WKPA	???	Lynchburg	VA	1390	.034	2145.1	2154.4	101.6	297.5	41.4	51.9	.0	1.5	8.11	7.243	10.059	2.515	9999.9	114.6	15396.4
WDCW=4.699; WRSC=4.162; WLAN=3.614; WXTC=3.392; WNIO=3.293; WTJS=3.282; WZHF=2.874; WADA=2.711																				

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Dataworld AM Night Permissible Radiation Study

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		---- Theta ----		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
WKPA	???	Lynchburg	VA	1390	.034	2145.1	2154.4	101.6	297.5	41.4	51.9	.0	1.5	8.11	7.243	10.059	2.515	9999.9	114.6	15396.4
WDCW=4.699; WRSC=4.162; WLAN=3.614; WXTC=3.392; WNIO=3.293; WTJS=3.282; WZHF=2.874; WADA=2.711																				
WKDR	LIC	Burlington	VT	1390	5.000	2373.6	2382.0	78.2	279.4	45.3	55.9	.0	.4	4.33	16.834	17.414	4.353	9999.9	609.8	49647.6
WDCW=16.834; WRSC=4.455																				
KBBO	LIC	Yakima	WA	1390	.500	1376.4	1390.9	287.9	95.6	45.6	53.4	2.9	6.7	18.42	9.764	9.764	2.441	6625.2	351.6	6273.6
KSLM=9.764																				
WRIG	LIC	Schofield	WI	1390	5.000	1077.8	1096.2	80.3	269.8	44.7	54.5	5.2	10.1	27.58	35.282	35.282	8.821	9999.9	546.3	15444.7
WGCI=35.282																				
WKLP	LIC	Keyser	WV	1390	.074	2066.1	2075.7	95.9	292.2	42.4	52.9	.0	1.9	8.16	16.561	18.107	4.527	9999.9	186.4	27562.3
WNIO=14.786; WRSC=7.459; WDCW=5.715; WLAN=4.573																				

>> End of AM Night Permissible Radiation Study <<

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Permissible Radiation Limit Summary

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Azimuth	Call	City	St	T-Min (deg)	T-Max (deg)	Rad. (mV/m)	Azimuth	Call	City	St	T-Min (deg)	T-Max (deg)	Rad. (mV/m)
17	KRRZ	Minot	ND	15.3	25.0	1281.8	112	WYSH	Clinton	TN	.3	3.3	1082.6
45	KUND	Grand Forks	ND	11.2	19.0	2413.9	114	KSLG	St. Louis	MO	3.9	8.2	189.7
67	KLIZ	Brainerd	MN	9.2	16.0	866.0	115	KSLG	St. Louis	MO	3.8	8.1	193.3
73	KXSS	Waite Park	MN	9.6	16.6	2170.1	117	WHEW	Franklin	TN	1.3	4.5	612.2
	KXSS	Waite Pk, St. Cloud	MN	9.6	16.6	2170.1		WDEF	Chattanooga	TN	.4	3.4	7646.4
74	CFDA	Victoriaville	Cn	.0	.0	6983.8	118	WHEW	Franklin	TN	1.3	4.5	618.9
	CFDA	Victoriaville	Cn	.0	.0	6983.8		WOLA	Barranquitas	PR	.0	.0	7127.7
80	CKLC	Kingston	Cn	.3	.3	1336.2	119	WAOK	Atlanta	GA	.0	2.4	995.5
81	WSYB	Rutland	VT	.0	.2	2673.3	122	WTJS	Jackson	TN	1.9	5.4	4287.0
	WMYF	Portsmouth	NH	.0	.0	7037.3	123	WELE	Ormond Beach	FL	.0	.0	3854.2
	WMYF	Portsmouth	NH	.0	.0	7037.3	126	WOOM	Millington	TN	2.2	5.8	1059.9
82	WFCL	Clintonville	WI	4.5	9.1	2826.1	128	WRBQ	St. Petersburg	FL	.0	.0	1274.6
84	WXXI	Rochester	NY	.0	2.0	9622.9	132	WCOA	Pensacola	FL	.0	2.0	5795.2
85	CKPC	Brantford	Cn	1.8	1.8	867.8	134	KRNN	North Little Rock	AR	2.8	6.7	832.1
	CKPC	Brantford	Cn	1.8	1.8	867.8	141	KMUS	Muskogee	OK	4.7	9.4	340.2
86	WABH	Bath	NY	.0	1.8	1456.6		KMUS	Muskogee	OK	4.7	9.4	341.6
	WFNW	Naugatuck	CT	.0	.0	2084.4	142	KMUS	Muskogee	OK	5.4	10.3	301.4
87	WPHM	Port Huron	MI	1.2	4.4	1143.5		KMUS	Sperry	OK	5.4	10.3	301.4
88	WNNY	New York	NY	.0	.3	1455.6		KMUS	Sperry	OK	5.4	10.3	301.4
	WNNY	New York	NY	.0	.3	1455.6	143	KFRA	Franklin	LA	.1	3.0	7012.6
	WSCG	Greenville	MI	2.4	6.1	3795.5	147	KFRO	Longview	TX	2.2	5.8	3602.3
90	DWAZI	Sussex	WI	4.0	8.4	9591.8	150	KCRC	Enid	OK	6.4	11.8	1352.2
91	KSUM	Fairmont	MN	10.1	17.3	2088.7		TILX	Guanacaste	Cs	.0	.0	9330.2
92	WTMC	Wilmington	DE	.0	.7	1686.0	155	KBEC	Waxahachie	TX	2.7	6.5	5048.0
93	WSPD	Toledo	OH	1.4	4.7	3553.4	157	KXCA	Lawton	OK	4.7	9.4	306.6
94	WTJK	South Beloit	IL	4.5	9.0	1381.7		TGEB	Momostenango	Gt	.0	.0	8307.6
95	KDTH	Dubuque	IA	5.6	10.7	2836.3	159	KGNO	Dodge City	KS	9.3	16.1	1219.4
96	WGCI	Chicago	IL	3.5	7.6	2816.2		XEKV	Villahermosa	Mx	.0	.0	6823.4
97	WONO	Fort Wayne	IN	2.0	5.5	743.2		XEZZZ	Cd.hidalgo	Mx	.0	.0	7223.5
99	WVBB	Richmond	VA	.0	.9	971.0	164	KBWD	Brownwood	TX	2.6	6.4	410.3
105	KCIM	Carroll	IA	9.9	17.0	163.6	165	KFNI	Pleasanton	TX	.9	4.0	796.1
	KCIM	Carroll	IA	9.9	17.0	163.6	166	XETP1	Banderilla	Mx	.0	.0	5519.9
106	KKSO	Des Moines	IA	7.9	14.1	2209.9	169	XEGW	Cd.victoria	Mx	.0	.0	2967.9
107	WTOB	Winston-salem	NC	.0	1.6	1284.4	171	XECO	Iztacalco	Mx	.0	.0	5482.0
111	WKJV	Asheville	NC	.0	2.4	1056.5	174	XEAK	Acambaro	Mx	.0	.0	4898.1

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Permissible Radiation Limit Summary

Title: KOTA

Frequency: 1380 kHz
Database: FCC

Latitude: N 44° 02' 00.0"
Longitude: W 103° 11' 15.0"

Azimuth	Call	City	St	T-Min (deg)	T-Max (deg)	Rad. (mV/m)	Azimuth	Call	City	St	T-Min (deg)	T-Max (deg)	Rad. (mV/m)
175	XE0015	San Luis Potosi	Mx	.0	.0	3741.1	>> End of Permissible Radiation Limit Summary <<						
178	XEAPM	Apatzingan	Mx	.0	.0	3401.0							
	XEAPM	Apatzingan	Mx	.0	.0	3403.4							
180	KHOB	Hobbs	NM	3.7	7.9	4698.1							
181	XERS	Gomez Palacio	Mx	.7	.7	1884.1							
184	XEPIC	Tepic	Mx	.0	.0	3442.0							
193	KHEY	El Paso	TX	2.8	6.6	407.7							
199	XEPAB	La Paz	Mx	.0	.0	1825.5							
209	KENN	Farmington	NM	6.9	12.6	2987.3							
227	XEKT1	Tecate	Mx	2.4	2.4	973.0							
232	KWRM	Corona	CA	1.1	4.4	5626.1							
234	KLTX	Long Beach	CA	.9	4.1	3315.5							
	KLTX	Long Beach	CA	.9	4.1	3315.5							
246	KSOP	South Salt Lake	UT	8.3	14.7	2939.3							
249	KTOM	Salinas	CA	.7	3.8	434.2							
250	KVIN	Turlock	CA	1.3	4.6	7640.6							
	KVIN	Turlock	CA	1.3	4.6	7640.6							
251	KZSF	San Jose	CA	.8	3.9	5370.9							
253	KLGN	Logan	UT	9.2	16.0	1705.9							
254	KTZK	Sacramento	CA	1.4	4.8	497.6							
	KTZK	Sacramento	CA	1.4	4.8	498.1							
	KTZK	Sacramento	CA	1.3	4.5	760.6							
	KTZK	Sacramento	CA	1.3	4.5	760.6							
259	KPCO	Quincy	CA	1.9	5.4	6358.5							
262	KIFO	Pearl City	HI	.0	.0	1471.6							
275	KSRV	Ontario	OR	5.0	9.8	120.8							
	KSRV	Ontario	OR	5.0	9.8	120.9							
281	KSLM	Salem	OR	1.7	5.1	3039.3							
	KSLM	Salem	OR	1.7	5.1	3141.7							
286	KAST	Astoria	OR	1.4	4.6	8934.1							
288	KBBO	Yakima	WA	2.9	6.7	6625.2							
290	KXTL	Butte	MT	8.8	15.4	594.9							
293	KRKO	Everett	WA	2.0	5.5	433.0							
	KRKO	Everett	WA	1.9	5.5	436.7							