

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

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from use of the said information.

Job Title: WVBE

The metric system of units will be used.

Station: WVBE
Frequency: 610 kHz
Coordinates: N 37° 18' 11.0" W 80° 02' 33.0"

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 KTIE CP SAN BERNARDINO, CA 590 kHz

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

Note: Database value of 53.03 for Q used in place of calculated value 70.71068 for CJCL TORONTO, ON 590 kHz

Note: Assumed antenna parameters used for CKRS JONQUIERE, QC 590 kHz

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

Note: Assumed antenna parameters used for WWLX CP LAWRENCEBURG, TN 590 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 CKCL TRURO, NS 600 kHz
Assumed parameters: Tower #1 C assumed as 0; Tower #1 D assumed as 0; Tower #2 C assumed as 0; Tower #2 D assumed as 0;

Note: Assumed antenna parameters used for WSOM Lic SALEM, OH 600 kHz
Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0;

Note: Database value of 3.02 for Q used in place of calculated value 10 for KERB Prm KERMIT, TX 600 kHz

Note: Assumed antenna parameters used for KNML CP ALBUQUERQUE, NM 610 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 KNML CP ALBUQUERQUE, NM 610 kHz
Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0;

Note: Parameters for WVBE ROANOKE, VA LIC will be used for existing interference

Note: Database value of 23.238 for Q used in place of calculated value 22.36068 for WDAE Lic ST. PETERSBURG, FL 620 kHz

Note: Assumed antenna parameters used for WDNC Lic DURHAM, NC 620 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 WSNR CP JERSEY CITY, NJ 620 kHz
Assumed parameters: Tower #1 C assumed as 0; Tower #1 D assumed as 0; Tower #2 C assumed as 0; Tower #2 D assumed as 0; Tower #3 C assumed as 0; Tower #3 D assumed as 0; Tower #4 C assumed as 0; Tower #4 D assumed as 0;

Note: Assumed antenna parameters used for KPOJ CP PORTLAND, OR 620 kHz
Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0;

Note: Assumed antenna parameters used for WKHB App IRWIN, PA 620 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 WKHB Lic IRWIN, PA 620 kHz
Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for WGCV Lic CAYCE, SC 620 kHz
Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for WAVU App ALBERTVILLE, AL 630 kHz
Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for WBMQ CP SAVANNAH, GA 630 kHz
Assumed parameters: Tower #1 Type assumed as 0;

Note: Assumed antenna parameters used for WMFD Lic WILMINGTON, NC 630 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 CFCO CHATHAM, ON 630 kHz
Assumed parameters: Tower #1 B assumed as 0; Tower #1 C assumed as 0; Tower #1 D assumed as 0; Tower #2 B assumed as 0; Tower #2 C assumed as 0; Tower #2 D assumed as 0; Tower #3 B assumed as 0; Tower #3 C assumed as 0; Tower #3 D assumed as 0; Tower #4 B assumed as 0; Tower #4 C assumed as 0; Tower #4 D assumed as 0; Tower #5 B assumed as 0; Tower #5 C assumed as 0; Tower #5 D assumed as 0;

Note: Assumed antenna parameters used for WDGY CP HUDSON, WI 630 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 WDGY Lic HUDSON, WI 630 kHz
Assumed parameters: Tower #1 Type assumed as 0; Tower #2 Type assumed as 0; Tower #3 Type assumed as 0;

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

Title: WVBE

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Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)						
WIP	LIC	Philadelphia	PA	610	5.000	514.4	552.0	54.9	237.9	38.6	50.0	14.5	23.8	298.8	313.0	109.38	6.846	100.0	6.846
WFNZ	LIC	Charlotte	NC	610	1.000	235.6	309.1	199.2	18.7	36.3	47.5	30.9	44.9	59.3	120.1	263.88	6.337	92.6	9.329
WTFX	LIC	Winchester	VA	610	.500	264.0	331.2	36.5	217.6	38.3	49.5	28.0	41.5	145.2	117.0	236.43	5.531	59.3	10.846
----- 50% Exclusion -----																			
WTVN	CP	Columbus	OH	610	50.000	353.9	406.5	316.5	134.7	38.4	49.6	21.3	33.2	116.3	116.7	175.24	4.091	37.7	11.591
KCSP	LIC	Kansas City	MO	610	5.000	1287.6	1303.0	282.8	93.8	38.4	49.2	3.5	7.6	690.9	689.0	25.98	3.580	30.9	12.132
WEZN	LIC	Birmingham	AL	610	1.000	749.8	776.0	237.7	53.7	35.4	46.5	9.2	16.0	228.2	239.7	67.79	3.250	26.8	12.559
----- 25% Exclusion -----																			
WIOD	LIC	Miami	FL	610	5.000	1273.5	1289.1	180.5	.5	31.6	42.8	3.6	7.8	482.8	481.7	31.25	3.011	24.0	12.915
CHAGUANA		Chaguanas Tr			Td	610	50.000	3514.1	3519.8	143.2	331.0	24.2	35.7	.0	.0	2188.2	2188.2	6.30	2.758
	21.4	13.206																	
CKTB		St. Catharines	Cn	610	5.000	641.8	672.2	6.4	186.9	40.2	51.4	11.2	19.0	125.8	122.8	76.75	1.884	14.3	13.340
WSJS	LIC	Winston-salem	NC	600	5.000	134.9	241.2	192.1	11.9	36.7	47.9	46.6	60.3	408.7	239.8	370.16	1.775	13.3	13.458
WRJZ	LIC	Knoxville	TN	620	5.000	368.6	419.4	247.8	65.5	36.7	47.8	20.5	32.1	823.7	457.4	170.59	1.561	11.6	13.548
KARV	LIC	Russellville	AR	610	.500	1194.6	1211.2	263.2	75.4	36.5	47.3	4.2	8.6	248.1	247.3	31.53	1.560	11.5	13.638
KILT	LIC	Houston	TX	610	5.000	1641.0	1653.1	244.5	55.9	33.8	44.6	1.3	4.6	344.8	344.7	19.46	1.342	9.8	13.703
CHNC		New Carlisle	Cn	610	5.000	1692.4	1704.2	40.6	230.7	42.9	54.4	1.0	4.2	353.7	353.5	11.18	.790	5.8	13.726
WDNC	LIC	Durham	NC	620	1.000	170.8	263.0	145.4	326.0	36.7	47.9	39.7	54.1	66.3	114.4	329.18	.753	5.5	13.747
CFLO		Mont-laurier	Cn	610	1.000	1094.9	1113.0	18.8	201.8	41.9	53.3	5.0	9.8	122.2	122.0	28.89	.705	5.1	13.765
WGIR	LIC	Manchester	NH	610	1.000	964.9	985.4	46.2	231.7	40.2	51.6	6.3	11.7	79.6	81.2	39.25	.637	4.6	13.780
WEXS	LIC	Patillas	PR	610	1.000	2543.9	2551.8	143.7	330.3	27.8	39.3	.0	.0	285.0	285.0	10.03	.572	4.1	13.791
KDAL	LIC	Duluth	MN	610	5.000	1446.2	1460.0	320.2	132.0	42.2	53.1	2.4	6.1	159.3	159.1	17.07	.543	3.9	13.802
4VJS		Delmas	Ha	610	.400	2216.6	2225.6	158.1	341.7	28.0	39.4	.0	1.2	195.7	195.7	12.88	.504	3.7	13.811
XEBX		Sabinas	Mx	610	.500	2230.0	2239.0	248.1	56.6	33.0	43.5	.0	1.1	218.8	218.8	11.37	.498	3.6	13.820
XEEL		Fresnillo	Mx	610	1.000	2685.1	2692.6	240.7	49.0	30.7	41.2	.0	.0	264.5	264.5	8.52	.451	3.3	13.828
XEUF		Uruapan	Mx	610	1.000	2918.2	2925.0	233.1	42.4	28.8	39.3	.0	.0	259.8	259.8	7.74	.402	2.9	13.834
XEJA		Jalapa	Mx	610	.500	2567.7	2575.5	224.3	36.1	28.7	39.4	.0	.0	200.9	200.9	9.83	.395	2.9	13.839
WTMT	LIC	Louisville	KY	620	.500	509.7	547.5	284.5	101.0	37.8	48.9	14.6	24.0	173.6	170.6	112.78	.385	2.8	13.844
KFRC	LIC	San Francisco	CA	610	5.000	3691.2	3696.6	284.2	77.6	39.5	48.9	.0	.0	630.6	630.6	2.92	.369	2.7	13.849
XECV		Cd.valles	Mx	610	.500	2493.0	2501.0	232.2	42.7	30.0	40.6	.0	.0	180.7	180.7	9.97	.360	2.6	13.854
WCAO	LIC	Baltimore	MD	600	5.000	371.0	421.5	49.4	231.4	38.4	49.7	20.4	31.9	172.0	101.1	165.91	.336	2.4	13.858
HJHJ		Barranquilla	Co	600	50.000	3620.0	3625.5	170.2	352.2	21.2	32.6	.0	.0	2188.2	2188.2	6.68	.292	2.1	13.861
WDAE	LIC	St. Petersburg	FL	620	5.000	1074.7	1093.1	193.5	12.2	32.6	43.8	5.2	10.1	351.9	351.6	40.55	.285	2.1	13.864
XEGS		Guasave	Mx	610	.500	2981.6	2988.3	252.3	57.1	32.2	42.4	.0	.0	203.8	203.8	6.67	.272	2.0	13.867
WMT	LIC	Cedar Rapids	IA	600	5.000	1116.0	1133.8	301.9	114.5	39.8	50.7	4.8	9.6	435.2	428.5	31.53	.270	1.9	13.869

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Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)						
WHEN	LIC	Syracuse	NY	620	1.000	721.9	749.1	25.7	208.2	40.2	51.5	9.6	16.7	188.1	188.0	63.75	.240	1.7	13.872
WSNG	LIC	Torrington	CT	610	.500	777.1	802.5	48.3	232.7	39.6	51.0	8.7	15.3	20.6	20.3	57.76	.234	1.7	13.874
YVNO		Cabimas	Ve	620	20.000	3112.0	3118.4	161.8	345.4	23.9	35.3	.0	.0	1383.7	1383.7	8.07	.223	1.6	13.875
KOJM	LIC	Havre	MT	610	1.000	2692.6	2700.0	307.2	106.7	43.9	54.1	.0	.0	284.6	284.6	3.90	.222	1.6	13.877
WSNR	CP	Jersey City	NJ	620	5.000	630.3	661.3	49.5	233.1	39.1	50.5	11.4	19.3	137.1	133.9	80.97	.217	1.6	13.879
KNML	CP	Albuquerque	NM	610	5.000	2394.3	2402.6	272.0	76.1	36.9	47.2	.0	.3	119.4	119.4	8.56	.204	1.5	13.880
CHTM		Thompson	Cn	610	1.000	2443.5	2451.6	332.5	139.4	46.8	57.6	.0	.1	314.0	314.0	3.22	.202	1.5	13.882
KAVL	LIC	Lancaster	CA	610	4.000	3418.8	3424.6	276.9	73.9	37.6	47.2	.0	.0	246.1	246.1	3.96	.195	1.4	13.883
JBC		Spur Tree	Jm	620	5.000	2161.7	2170.9	172.9	354.0	27.6	39.0	.0	1.4	692.0	692.0	13.71	.190	1.4	13.884
WZON	LIC	Bangor	ME	620	5.000	1259.0	1274.8	44.8	232.3	41.2	52.6	3.7	7.9	355.4	353.2	23.02	.163	1.2	13.885
WREC	LIC	Memphis	TN	600	5.000	923.2	944.6	258.3	72.4	36.4	47.3	6.8	12.4	165.2	167.8	48.39	.162	1.2	13.886
WSNL	LIC	Flint	MI	600	.500	696.7	724.9	335.2	152.9	40.1	51.3	10.1	17.4	123.3	118.5	67.94	.161	1.2	13.887
KVNU	LIC	Logan	UT	610	1.000	2763.0	2770.2	290.1	89.5	40.6	50.6	.0	.0	142.2	142.2	5.06	.144	1.0	13.888
WVMT	LIC	Burlington	VT	620	5.000	986.5	1006.6	33.3	217.8	41.0	52.3	6.1	11.4	200.4	195.6	36.60	.143	1.0	13.889
WBWL	LIC	Jacksonville	FL	600	5.000	794.5	819.3	192.0	11.0	33.8	45.0	8.5	14.9	105.5	104.3	63.54	.133	1.0	13.889
CJAT		Trail	Cn	610	1.000	3282.5	3288.6	305.7	99.2	44.8	54.6	.0	.0	281.6	281.6	2.22	.125	0.9	13.890
KONA	LIC	Kennewick-richla	WA	610	5.000	3346.8	3352.8	299.6	93.0	43.4	53.1	.0	.0	247.5	247.5	2.51	.124	0.9	13.890
HJEL		Cali 17	Co	620	10.000	3830.0	3835.2	173.9	355.2	20.2	31.5	.0	.0	978.6	978.6	6.22	.122	0.9	13.891
WJDX	LIC	Jackson	MS	620	1.000	1074.6	1093.0	242.4	56.6	34.9	45.9	5.2	10.1	146.2	150.3	39.02	.117	0.8	13.892
WAEL	LIC	Mayaguez	PR	600	5.000	2469.2	2477.3	145.9	332.0	27.9	39.4	.0	.0	534.1	534.1	10.58	.113	0.8	13.892
ABS		Antigua Bc	Ac	620	5.000	2863.7	2870.7	136.5	325.1	27.5	39.0	.0	.0	692.0	692.0	8.12	.112	0.8	13.892
CFCH		North Bay	Cn	600	5.000	988.0	1008.0	2.6	183.0	41.7	53.0	6.1	11.4	164.1	157.9	35.37	.112	0.8	13.893
XENK		Guadalupe Del Mo	Mx	620	5.000	2717.9	2725.2	228.0	38.8	28.7	39.3	.0	.0	621.4	621.4	8.87	.110	0.8	13.893
KMKI	LIC	Plano	TX	620	4.500	1561.7	1574.5	258.1	68.5	35.6	46.3	1.7	5.2	269.5	268.7	20.27	.109	0.8	13.894
KRTA	LIC	Medford	OR	610	5.000	3651.8	3657.3	292.5	84.3	41.9	51.3	.0	.0	209.0	209.0	2.44	.102	0.7	13.894
WICC	LIC	Bridgeport	CT	600	.500	730.9	757.7	52.0	236.3	39.3	50.7	9.5	16.5	71.7	69.9	64.27	.090	0.6	13.894
XEZ		Merida	Mx	600	1.000	2034.8	2044.7	209.4	24.7	29.2	40.2	.0	2.1	305.5	305.5	14.60	.089	0.6	13.895
PARAMARI		Paramaribo	Ns	600	10.000	4391.7	4396.2	138.8	328.2	21.6	33.1	.0	.0	978.6	978.6	4.50	.088	0.6	13.895
WTMJ	LIC	Milwaukee	WI	620	10.000	909.2	930.9	313.9	128.7	40.1	51.1	6.9	12.7	89.0	88.5	44.38	.079	0.6	13.895
RSL		Radio St Luc	St	620	2.000	3232.9	3239.1	139.2	327.6	25.8	37.3	.0	.0	535.0	535.0	6.92	.074	0.5	13.895
XEOCH		Ocoingo	Mx	600	1.000	2556.7	2564.6	210.8	25.2	27.2	38.1	.0	.0	304.3	304.3	10.44	.064	0.5	13.896
CKYL		Peace River	Cn	610	10.000	3455.8	3461.6	319.4	111.5	48.2	58.2	.0	.0	283.7	283.7	1.09	.062	0.4	13.896
XEPAC		Palenque	Mx	600	1.000	2486.2	2494.2	211.2	25.6	27.6	38.4	.0	.0	281.2	281.2	10.85	.061	0.4	13.896
CHNL		Kamloops	Cn	610	5.000	3489.2	3494.9	308.2	99.4	45.8	55.5	.0	.0	168.2	168.2	1.66	.056	0.4	13.896
XEHGR		Villahermosa	Mx	620	1.000	2497.7	2505.7	213.9	27.8	27.8	38.6	.0	.0	257.6	257.6	10.68	.055	0.4	13.896

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								To (deg)	From (deg)	GC (deg)	GeoMag (deg)	Min (deg)	Max (deg)					
CKXJ		Grand Bank	Cn	610	10.000	2262.0	2270.9	53.6	250.0	42.8	54.3	.0	.9	45.0	45.0	5.81	.052	0.4
CFCF		Montreal	Cn	600	5.000	1042.9	1061.9	28.4	212.6	41.4	52.8	5.5	10.5	77.0	75.3	32.48	.049	0.4
KOGO	LIC	San Diego	CA	600	5.000	3388.1	3394.0	272.6	70.8	36.5	46.1	.0	.0	500.6	500.6	4.30	.043	0.3
KTAR	LIC	Phoenix	AZ	620	5.000	2913.6	2920.5	271.3	72.4	36.5	46.4	.0	.0	362.3	362.3	5.88	.043	0.3
XEBB		Acapulco	Mx	600	1.000	2991.9	2998.6	225.7	36.5	27.4	38.0	.0	.0	270.1	270.1	7.82	.042	0.3
KMNS	LIC	Sioux City	IA	620	1.000	1506.7	1519.9	297.1	106.5	40.1	50.9	2.1	5.6	111.8	115.3	17.93	.041	0.3
XERJ		Mazatlan	Mx	600	1.000	2956.5	2963.3	245.6	52.1	30.9	41.2	.0	.0	281.2	281.2	7.05	.040	0.3
XEKX		Felipe Carrillo	Mx	620	.250	2119.8	2129.2	203.7	19.8	28.5	39.5	.0	1.6	142.3	142.3	13.89	.040	0.3
XETA		Zitacuaro	Mx	600	1.000	2797.7	2804.9	230.4	40.5	28.7	39.3	.0	.0	234.9	234.9	8.38	.039	0.3
XEMN		Monterrey	Mx	600	.250	2301.1	2309.8	241.8	51.1	31.9	42.5	.0	.7	145.0	145.0	11.05	.032	0.2
KSJB	LIC	Jamestown	ND	600	5.000	1861.4	1872.1	310.5	117.9	42.4	53.1	.2	3.1	140.7	140.7	10.06	.028	0.2
CKBD		Vancouver	Cn	600	10.000	3664.1	3669.5	305.0	94.6	45.3	54.8	.0	.0	871.7	871.7	1.59	.028	0.2
CKCK		Regina	Cn	620	10.000	2427.5	2435.7	314.4	117.2	44.5	54.9	.0	.1	282.5	282.5	4.61	.026	0.2
CJWW		Saskatoon	Cn	600	8.000	2652.3	2659.9	316.8	117.7	45.5	55.8	.0	.0	367.6	367.6	3.31	.024	0.2
KCOL	LIC	Wellington	CO	600	.500	2185.4	2194.5	287.6	91.7	39.6	50.0	.0	1.3	135.4	135.4	8.85	.024	0.2
KWAL	LIC	Wallace	ID	620	1.000	3129.0	3135.3	302.8	98.0	43.8	53.7	.0	.0	322.7	322.7	2.79	.018	0.1
KPOJ	CP	Portland	OR	620	10.000	3616.3	3621.8	298.1	89.2	43.4	52.9	.0	.0	410.1	410.1	2.12	.017	0.1
KROD	LIC	El Paso	TX	600	5.000	2475.6	2483.7	263.9	68.7	35.3	45.6	.0	.0	98.6	98.6	8.59	.017	0.1
CKCL		Truro	Cn	600	1.000	1652.5	1664.6	51.9	243.0	41.6	53.1	1.3	4.5	62.1	62.1	12.95	.016	0.1
CKRW		Whitehorse	Cn	610	1.000	4582.7	4587.0	322.6	98.9	52.1	60.0	.0	.0	273.6	273.6	.28	.015	0.1
KIGS	LIC	Hanford	CA	620	1.000	3493.7	3499.4	280.5	76.2	38.5	48.1	.0	.0	208.1	208.1	3.55	.015	0.1
CKCM		Grand Falls	Cn	620	10.000	2349.1	2357.6	48.8	245.7	43.8	55.3	.0	.5	130.4	130.4	4.81	.013	0.1
KTBB	LIC	Tyler	TX	600	2.500	1491.1	1504.5	252.5	63.8	35.0	45.8	2.2	5.7	23.9	25.5	22.35	.011	0.1
KIPA	LIC	Nazalehu	HI	620	5.000	7495.9	7498.6	277.3	56.6	34.1	40.5	.0	.0	637.3	637.3	.89	.011	0.1
CBNA		St. Anthony	Cn	600	10.000	2473.2	2481.3	43.0	240.3	45.0	56.5	.0	.0	146.3	146.3	3.64	.011	0.1
KGEZ	LIC	Kalispell	MT	600	1.000	3013.9	3020.5	304.6	100.8	44.0	54.0	.0	.0	159.8	159.8	2.98	.010	0.1
CJCI		Prince George	Cn	620	10.000	3719.4	3724.8	313.5	102.0	47.6	57.2	.0	.0	114.3	114.3	1.04	.002	0.0
KGTL	LIC	Homer	AK	620	5.000	5499.0	5502.6	320.9	83.3	54.0	60.0	.0	.0	683.7	683.7	.14	.002	0.0
KUAM	LIC	Agana	GU	612	10.000	12683.4	12685.0	311.4	37.9	50.4	53.0	.0	.0	931.3	931.3	.03	.001	0.0

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

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

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)					
WTVN	LIC	Columbus	OH	610	5.000	383.0	432.1	319.2	137.3	38.6	49.8	19.7	31.1	95.9	134.3	159.71	4.289	
YVSE		Barquisimeto	Ve	610	50.000	3213.8	3220.0	157.5	342.0	23.8	35.2	.0	.0	2188.2	2188.2	7.61	3.333	
WPLO	LIC	Grayson	GA	610	.225	514.4	551.9	224.8	42.5	35.6	46.8	14.5	23.8	133.6	128.7	114.61	2.951	
HJKL		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	1695.0	1695.0	6.38	2.161	
HRLP		Tegucigalpa	Ho	610	10.000	2679.7	2687.2	197.3	14.1	25.7	36.8	.0	.0	978.6	978.6	10.09	1.975	
YSS		Morazan	Es	610	10.000	2754.1	2761.4	198.9	15.3	25.5	36.5	.0	.0	978.6	978.6	9.69	1.896	
WCEH	LIC	Hawkinsville	GA	610	.126	638.8	669.4	210.1	28.1	34.8	46.0	11.3	19.1	101.1	98.7	86.16	1.701	
HOHM		Rpc	Pm	610	10.000	3145.2	3151.5	178.9	359.1	23.2	34.4	.0	.0	978.6	978.6	8.17	1.599	
TIRPT		S Jose 5	Cs	610	10.000	3159.8	3166.1	188.4	6.7	23.2	34.4	.0	.0	978.6	978.6	8.11	1.588	
WRUS	LIC	Russellville	KY	610	.059	612.3	644.1	267.3	83.2	37.1	48.2	11.8	19.9	81.3	77.5	88.62	1.374	
TGGA		Senorial	Gt	610	5.000	2730.1	2737.4	205.3	20.6	26.1	37.0	.0	.0	692.0	692.0	9.67	1.338	
CMKA		San German	Cu	600	150.000	1897.2	1907.7	167.4	349.3	29.0	40.3	.1	2.9	3790.1	3790.1	16.51	1.251	
CMGA		Trinidad 1	Cu	610	1.000	1725.5	1737.0	179.8	359.8	29.5	40.8	.9	4.0	309.5	309.5	19.32	1.196	
CMJA		Mayari Arrib	Cu	610	1.000	1928.1	1938.5	165.6	347.8	28.9	40.2	.0	2.7	309.5	309.5	16.06	.994	
WWTJ	PRM	Pensacola	FL	610	.142	1011.5	1031.1	223.2	39.2	33.9	45.0	5.8	11.0	112.8	112.0	43.81	.981	
CHNC		New Carlisle	Cn	610	5.000	1692.4	1704.2	40.6	230.7	42.9	54.4	1.0	4.2	418.1	417.9	11.18	.934	
HIJR		Santiago 1	Dr	610	1.000	2194.1	2203.2	152.8	337.3	28.4	39.8	.0	1.3	309.5	309.5	12.88	.797	
CFLO		Mont-laurier	Cn	610	1.000	1094.1	1112.2	18.6	201.6	41.9	53.3	5.0	9.8	128.3	128.1	28.92	.741	
CMDA		Colon 1	Cu	620	30.000	1623.9	1636.1	183.2	2.8	30.0	41.2	1.4	4.7	1695.0	1694.2	21.30	.722	
CFLO		Mont-laurier	Cn	610	1.000	1094.9	1113.0	18.8	201.8	41.9	53.3	5.0	9.8	122.2	122.0	28.89	.705	
HRLP 4		S Rosa Copan	Ho	610	1.000	2649.6	2657.1	201.3	17.4	26.1	37.1	.0	.0	309.5	309.5	10.18	.630	
XEKZ		Santo Domingo Te	Mx	610	1.000	2764.9	2772.1	216.7	29.7	27.0	37.8	.0	.0	290.5	290.5	9.14	.531	
WKHB	APP	Irwin	PA	620	.250	333.3	388.7	5.0	185.2	38.8	50.0	22.6	34.9	138.5	117.0	186.27	.436	
YNGR1		Voz Nicaragu	Nu	620	50.000	2851.6	2858.6	193.4	10.8	24.8	35.9	.0	.0	2188.2	2188.2	9.30	.407	
WVAR	PRM	Richwood	WV	600	.055	112.2	229.3	336.9	156.6	37.8	49.0	51.8	64.6	66.1	38.9	395.56	.308	
WGCV	LIC	Cayce	SC	620	.126	382.5	431.7	193.9	13.4	35.6	46.9	19.8	31.1	100.1	92.6	164.77	.305	
YVQB		Cumana 1	Ve	600	50.000	3386.5	3392.4	148.1	334.7	24.0	35.5	.0	.0	2188.2	2188.2	6.81	.298	
WKYH	LIC	Paintsville	KY	600	.043	247.7	318.4	283.4	101.7	37.6	48.7	29.6	43.4	58.4	49.8	251.63	.251	
WHEN	LIC	Syracuse	NY	620	1.000	721.8	749.0	25.7	208.2	40.2	51.5	9.6	16.7	188.2	188.1	63.77	.240	
KSKE	LIC	Vail	CO	610	.217	2302.1	2310.8	284.5	87.9	39.2	49.5	.0	.7	131.4	131.4	8.19	.215	
WKHB	LIC	Irwin	PA	620	.050	333.3	388.7	5.0	185.2	38.8	50.0	22.6	34.9	64.2	57.2	186.27	.213	
KNML	LIC	Albuquerque	NM	610	5.000	2394.7	2403.0	272.0	76.1	36.9	47.2	.0	.3	120.1	120.1	8.55	.205	
KNML	CP	Albuquerque	NM	610	5.000	2394.6	2402.9	272.0	76.1	36.9	47.2	.0	.3	119.4	119.4	8.55	.204	
WWNR	LIC	Beckley	WV	620	.025	116.7	231.5	295.9	115.1	37.5	48.7	50.7	63.7	44.9	24.6	390.71	.192	
KCSR	LIC	Chadron	NE	610	.118	2041.6	2051.4	294.7	99.8	40.6	51.1	.0	2.1	98.4	98.4	9.53	.188	

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

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

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)					
XENVA		Cd.obregon	Mx	610	.250	2994.2	3000.9	257.4	61.1	33.3	43.4	.0	.0	140.6	140.6	6.38	.179	
WSNR	LIC	Jersey City	NJ	620	7.600	642.9	673.3	51.0	234.7	39.1	50.4	11.2	18.9	117.3	109.3	78.66	.172	
WTRP	LIC	La Grange	GA	620	.127	653.9	683.8	225.3	42.4	35.2	46.3	10.9	18.6	100.5	98.2	82.99	.163	
TGTQ		Occidental	Gt	620	5.000	2743.0	2750.3	207.4	22.3	26.2	37.1	.0	.0	692.0	692.0	9.55	.132	
CMAA		Bahia Honda	Cu	600	1.000	1627.2	1639.4	191.5	9.9	30.1	41.3	1.4	4.7	309.5	309.4	21.21	.131	
WZNN	LIC	Lexington	AL	620	.099	706.6	734.4	250.7	66.4	36.2	47.2	9.9	17.1	90.1	88.5	73.15	.129	
TGRC		Campesina	Gt	600	5.000	2793.7	2800.9	206.6	21.6	25.9	36.8	.0	.0	692.0	692.0	9.33	.129	
CJAT		Trail	Cn	610	1.000	3282.5	3288.6	305.7	99.2	44.8	54.6	.0	.0	281.6	281.6	2.22	.125	
WFRM	LIC	Coudersport	PA	600	.046	524.8	561.6	18.8	200.1	39.5	50.8	14.2	23.3	60.5	58.2	104.51	.122	
WCVP	LIC	Murphy	NC	600	.020	433.4	477.3	236.2	53.8	36.2	47.3	17.4	27.9	46.7	42.7	141.62	.121	
XE		Magdalena	Mx	600	10.000	2937.4	2944.2	264.5	66.9	34.9	45.0	.0	.0	966.2	966.2	6.21	.120	
HISD		S Domingo 12	Dr	620	2.500	2311.5	2320.2	152.0	336.8	28.0	39.4	.0	.7	489.3	489.3	11.91	.117	
HOQ 53		Kw Continent	Pm	620	5.000	3266.6	3272.7	184.8	3.8	22.7	33.9	.0	.0	692.0	692.0	7.77	.107	
YSNK		San Salvador	Es	600	3.000	2780.3	2787.4	201.5	17.4	25.6	36.6	.0	.0	536.0	536.0	9.51	.102	
CMKF		Moa	Cu	620	1.000	1914.3	1924.7	163.7	346.2	29.0	40.4	.0	2.8	286.2	286.2	16.23	.093	
WSOM	LIC	Salem	OH	600	.045	399.5	446.8	349.2	168.7	39.1	50.3	18.9	30.0	23.1	26.3	150.66	.079	
HRLP 17		S Pedro Sula	Ho	620	1.000	2548.2	2556.0	200.1	16.5	26.5	37.5	.0	.0	286.2	286.2	10.77	.062	
HRDP 5		La Esperanza	Ho	620	1.000	2640.2	2647.8	199.0	15.5	26.0	37.0	.0	.0	286.2	286.2	10.27	.059	
XEKX		Felipe Carrillo	Mx	620	.500	2119.8	2129.2	203.7	19.8	28.5	39.5	.0	1.6	201.3	201.3	13.89	.056	
CKXJ		Grand Bank	Cn	610	10.000	2262.0	2270.9	53.6	250.0	42.8	54.3	.0	.9	45.0	45.0	5.81	.052	
XEGH1		Rio Bravo	Mx	620	.500	2118.2	2127.7	238.8	49.2	32.0	42.6	.0	1.7	200.7	200.7	12.86	.052	
XECV1		Cd.valles	Mx	600	1.000	2493.0	2501.0	232.2	42.7	30.0	40.6	.0	.0	253.8	253.8	9.97	.051	
XEBU		Chihuahua	Mx	620	1.000	2602.7	2610.4	256.1	61.7	33.7	44.0	.0	.0	301.5	301.5	8.29	.050	
XEDN		Gomez Palacio	Mx	600	1.000	2567.3	2575.1	246.1	53.7	32.0	42.4	.0	.0	263.7	263.7	8.98	.047	
XEBB1		Acapulco	Mx	600	1.000	2990.2	2996.8	225.8	36.5	27.4	38.0	.0	.0	259.4	259.4	7.82	.041	
XEHW1		Rosario	Mx	600	1.000	2951.2	2958.0	244.4	51.1	30.7	41.0	.0	.0	268.3	268.3	7.11	.038	
XEOO1		Tepic	Mx	620	1.000	2962.7	2969.4	240.6	48.2	30.0	40.3	.0	.0	261.5	261.5	7.20	.038	
XEMN1		Monterrey	Mx	600	.500	2301.1	2309.8	241.8	51.1	31.9	42.5	.0	.7	167.7	167.7	11.05	.037	
CKOY		Timmins	Cn	620	5.000	1243.8	1259.8	355.4	174.5	42.9	54.1	3.8	8.1	88.2	85.5	21.55	.037	
XECK1		Durango	Mx	620	.500	2760.2	2767.4	244.8	52.0	31.3	41.6	.0	.0	207.1	207.1	7.97	.033	
WFST	LIC	Caribou	ME	600	.127	1451.0	1464.7	39.0	227.1	42.3	53.7	2.4	6.1	100.9	100.8	16.27	.033	
WVOG	PRM	New Orleans	LA	600	.031	1241.2	1257.2	231.8	46.2	33.7	44.7	3.8	8.1	49.6	49.4	31.52	.031	
WCHT	LIC	Escanaba	MI	600	.134	1114.8	1132.6	330.2	145.5	41.6	52.7	4.8	9.6	54.4	53.7	28.87	.031	
-2000020	APP	New Brockton	AL	600	.480	848.2	871.4	221.1	37.8	34.4	45.5	7.7	13.8	22.8	26.8	57.19	.031	
KERB	PRM	Kermit	TX	600	.091	2193.6	2202.7	260.8	67.5	35.1	45.5	.0	1.3	138.1	138.1	10.96	.030	

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

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

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)					
XEWZ1		Soledad Diez Gut	Mx	620	.500	2614.4	2622.1	235.8	45.3	30.1	40.7	.0	.0	166.4	166.4	9.09	.030	
XEKZX		Sayula	Mx	600	.500	2984.3	2991.0	236.1	44.6	29.1	39.5	.0	.0	197.4	197.4	7.33	.029	
CJWW		Saskatoon	Cn	600	8.000	2652.3	2659.9	316.8	117.7	45.5	55.8	.0	.0	367.6	367.6	3.31	.024	
CJWW		Saskatoon	Cn	600	10.000	2652.1	2659.7	316.9	117.8	45.5	55.9	.0	.0	368.2	368.2	3.30	.024	
XECK		Durango	Mx	620	.200	2760.2	2767.4	244.8	52.0	31.3	41.6	.0	.0	131.0	131.0	7.97	.021	
XEOO		Tepic	Mx	620	.250	2962.7	2969.4	240.6	48.2	30.0	40.3	.0	.0	130.7	130.7	7.20	.019	
KIPA	LIC	Kalaoa	HI	620	10.000	7482.3	7485.0	278.1	56.8	34.5	40.9	.0	.0	963.5	963.5	.88	.017	
KPOJ	LIC	Portland	OR	620	5.000	3616.3	3621.8	298.1	89.2	43.4	52.9	.0	.0	382.5	382.5	2.12	.016	
CKCL		Truro	Cn	600	1.000	1653.2	1665.3	51.9	243.0	41.6	53.1	1.2	4.5	62.1	62.1	12.94	.016	
XEMZA		Manzanillo	Mx	600	.130	3109.1	3115.5	235.9	44.2	28.7	39.1	.0	.0	108.1	108.1	6.91	.015	
KIPA	LIC	Hilo	HI	620	5.000	7392.5	7395.2	277.7	56.9	34.4	40.9	.0	.0	680.1	680.1	.90	.012	
CFRP		Forestville	Cn	620	1.000	1540.3	1553.2	31.6	219.1	43.1	54.5	1.9	5.3	43.4	43.9	13.50	.012	
KJOL	PRM	Grand Junction	CO	620	.079	2495.7	2503.7	283.5	85.6	39.1	49.3	.0	.0	81.4	81.4	6.97	.011	
KVNA	LIC	Flagstaff	AZ	600	.048	2827.1	2834.2	274.9	75.9	37.3	47.3	.0	.0	62.9	62.9	5.98	.008	
KMJC	LIC	Mount Shasta	CA	620	.029	3627.1	3632.6	290.5	82.9	41.3	50.7	.0	.0	46.2	46.2	2.62	.002	
CFCT		Tuktoyaktuk	Cn	600	1.000	4740.9	4745.2	335.6	110.4	55.9	60.0	.0	.0	289.7	289.7	.25	.001	

>> End of Detailed Night Limit Study <<

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
-2000020	APP	New Brockton	AL	600	.480	848.2	871.4	221.1 37.8	34.4 45.5	7.7 13.8	57.19	16.980	19.117	4.779	4178.0	76.9	4101.1
WREC=16.980; WSJS=5.256; KTBB=5.125; WBWL=4.819																	
KVNA	LIC	Flagstaff	AZ	600	.048	2827.1	2834.2	274.9 75.9	37.3 47.3	.0 .0	5.98	10.616	11.584	2.896	9999.9	81.0	24123.9
KOGO=10.616; KSJB=3.427; KROD=3.120																	
KOGO	LIC	San Diego	CA	600	5.000	3388.1	3394.0	272.6 70.8	36.5 46.1	.0 .0	4.30	4.283	5.762	1.440	9999.9	89.9	16668.0
KAVL=4.283; KSJB=2.120; WMT=1.800; XERJ=1.593; WREC=1.570; HJHJ=1.455																	
KCOL	LIC	Wellington	CO	600	.500	2185.4	2194.5	287.6 91.7	39.6 50.0	.0 1.3	8.85	11.629	14.077	3.519	9999.9	71.1	19815.1
KSJB=9.974; WMT=5.980; KROD=5.745; KTBB=5.469																	
WICC	LIC	Bridgeport	CT	600	.500	730.9	757.7	52.0 236.3	39.3 50.7	9.5 16.5	64.27	4.012	5.142	1.285	1000.0	46.4	953.7
WCAO=2.380; WIP=2.344; HJHJ=2.222; WEZE=1.866; CFCF=1.611; WSNL=1.487; WSJS=1.432																	
WBWL	LIC	Jacksonville	FL	600	5.000	794.5	819.3	192.0 11.0	33.8 45.0	8.5 14.9	63.54	8.685	10.829	2.707	2130.3	72.5	2057.8
WREC=7.189; HJHJ=4.873; WSJS=4.277; WDWD=3.714; KTBB=3.125																	
WMT	LIC	Cedar Rapids	IA	600	5.000	1116.0	1133.8	301.9 114.5	39.8 50.7	4.8 9.6	31.53	3.191	3.523	.881	1396.4	97.9	1298.5
KOMJ=1.978; HJHJ=1.788; KCSP=1.754; WBWL=1.146; KOGO=.955																	
WKYH	LIC	Paintsville	KY	600	.043	247.7	318.4	283.4 101.7	37.6 48.7	29.6 43.4	251.63	8.860	9.744	2.436	484.1	115.5	368.5
WSJS=6.242; WTVN=4.779; WMT=4.087; WBWL=2.983; HJHJ=2.748																	
WVOG	PRM	New Orleans	LA	600	.031	1241.2	1257.2	231.8 46.2	33.7 44.7	3.8 8.1	31.52	26.102	26.102	6.525	9999.9	149.2	10200.7
WREC=20.199; KTBB=16.532																	
WCAO	LIC	Baltimore	MD	600	5.000	371.0	421.5	49.4 231.4	38.4 49.7	20.4 31.9	165.91	4.234	5.342	1.335	402.4	51.2	351.2
WIP=3.393; HJHJ=2.533; WICC=2.033; WSJS=2.001; WMT=1.570																	
WFST	LIC	Caribou	ME	600	.127	1451.0	1464.7	39.0 227.1	42.3 53.7	2.4 6.1	16.27	12.298	12.808	3.202	9839.8	59.3	9780.5
CFCF=12.298; CKCL=3.578																	

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
WCHT	LIC	Escanaba	MI	600	.134	1114.8	1132.6	330.2	145.5	41.6	52.7	4.8	9.6	28.87	12.227	14.145	3.536	6124.2	107.3	6016.9
WMT=12.227; WSNL=6.025; KSJB=3.779																				
WSNL	LIC	Flint	MI	600	.500	696.7	724.9	335.2	152.9	40.1	51.3	10.1	17.4	67.94	17.792	17.792	4.448	3273.4	136.6	3136.8
WTVN=17.792																				
KGEZ	LIC	Kalispell	MT	600	1.000	3013.9	3020.5	304.6	100.8	44.0	54.0	.0	.0	2.98	11.211	12.055	3.014	9999.9	96.1	50541.4
CKBD=11.211; CJWW=4.432																				
WCVP	LIC	Murphy	NC	600	.020	433.4	477.3	236.2	53.8	36.2	47.3	17.4	27.9	141.62	11.795	12.661	3.165	1117.5	154.9	962.7
WSJS=7.142; WREC=6.683; WBWL=6.592; HJHJ=3.298; WMT=3.212																				
WSJS	LIC	Winston-salem	NC	600	5.000	134.9	241.2	192.1	11.9	36.7	47.9	46.6	60.3	370.16	4.783	5.535	1.384	186.9	48.2	138.7
HJHJ=3.187; WMT=2.665; WCAO=2.371; WREC=2.179; WBWL=1.735																				
KSJB	LIC	Jamestown	ND	600	5.000	1861.4	1872.1	310.5	117.9	42.4	53.1	.2	3.1	10.06	6.298	6.974	1.744	8662.7	92.0	8570.6
WMT=6.298; KCOL=2.996																				
WSOM	LIC	Salem	OH	600	.045	399.5	446.8	349.2	168.7	39.1	50.3	18.9	30.0	150.66	8.372	10.431	2.608	865.4	173.9	691.5
WSJS=8.372; WTVN=3.531; WCAO=3.355; WICC=2.767; WMT=2.708																				
WFRM	LIC	Coudersport	PA	600	.046	524.8	561.6	18.8	200.1	39.5	50.8	14.2	23.3	104.51	12.813	15.948	3.987	1907.5	73.1	1834.4
WCAO=12.813; WICC=6.221; WSJS=5.667; WIP=4.398																				
WAEL	LIC	Mayaguez	PR	600	5.000	2469.2	2477.3	145.9	332.0	27.9	39.4	.0	.0	10.58	13.274	14.065	3.516	9999.9	531.1	16084.0
HJHJ=13.274; PARAMARI=4.650																				
WREC	LIC	Memphis	TN	600	5.000	923.2	944.6	258.3	72.4	36.4	47.3	6.8	12.4	48.39	2.918	4.066	1.016	1050.3	160.0	890.3
HJHJ=2.918; XEZ=1.445; KFNS=1.387; KCSP=1.267; WVLK=1.180; XEOCH=1.002																				
KROD	LIC	El Paso	TX	600	5.000	2475.6	2483.7	263.9	68.7	35.3	45.6	.0	.0	8.59	6.318	8.677	2.169	9999.9	132.8	12491.6
WREC=4.094; WMT=3.726; XERJ=3.046; KSJB=2.936; KNML=2.846; KCOL=2.723; KOGO=2.566; HJHJ=2.157																				

Dataworld, Inc.
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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
KERB	PRM	Kermit	TX	600	.091	2193.6	2202.7	260.8	67.5	35.1	45.5	.0	1.3	10.96	12.053	12.837	3.209	9999.9	148.0	14498.7
KROD=10.499; WREC=5.920; WMT=4.416																				
KTBB	LIC	Tyler	TX	600	2.500	1491.1	1504.5	252.5	63.8	35.0	45.8	2.2	5.7	22.35	19.822	19.822	4.955	9999.9	179.7	10905.7
WREC=19.822																				
WVAR	PRM	Richwood	WV	600	.055	112.2	229.3	336.9	156.6	37.8	49.0	51.8	64.6	395.56	17.601	18.328	4.582	579.2	98.8	480.3
WSJS=17.601; WCAO=5.108																				
CKYL		Peace River	Cn	610	10.000	3455.8	3461.6	319.4	111.5	48.2	58.2	.0	.0	2.59	7.258	8.564	3.629	7007.9F	68.5	6939.3
KOJM=5.417; CJAT=4.830; CHTM=2.870; CKRW=2.733; KDAL=2.229																				
WEZN	LIC	Birmingham	AL	610	1.000	749.8	776.0	237.7	53.7	35.4	46.5	9.2	16.0	67.79	9.205	10.230	2.557	188.6	171.5	17.1
KCSP=6.670; WIOD=4.751; KILT=4.204; KARV=3.515; CHAGUANA=2.751																				
KARV	LIC	Russellville	AR	610	.500	1194.6	1211.2	263.2	75.4	36.5	47.3	4.2	8.6	31.53	18.396	19.133	4.783	758.6	138.2	620.3
KCSP=18.396; WEZN=5.260																				
CHNL		Kamloops	Cn	610	5.000	3489.2	3494.9	308.2	99.4	45.8	55.5	.0	.0	2.53	14.466	16.247	7.233	9999.9F	93.3	14173.4
KONA=11.718; CJAT=8.484; CKYL=5.530; KRTA=4.912																				
CJAT		Trail	Cn	610	1.000	3282.5	3288.6	305.7	99.2	44.8	54.6	.0	.0	2.91	5.351	6.581	2.500	4291.9F	94.5	4197.4
KFRC=4.782; KOJM=2.403; KDAL=2.151; KRTA=1.931; CKYL=1.875; KONA=1.675																				
CJAT		Trail	Cn	610	1.000	3282.5	3288.6	305.7	99.2	44.8	54.6	.0	.0	2.91	5.351	6.581	2.500	4291.9F	94.5	4197.4
KFRC=4.782; KOJM=2.403; KDAL=2.151; KRTA=1.931; CKYL=1.875; KONA=1.675																				
KAVL	LIC	Lancaster	CA	610	4.000	3418.8	3424.6	276.9	73.9	37.6	47.2	.0	.0	3.96	14.291	14.771	3.693	4666.8	75.0	4591.9
KFRC=14.291; KVNU=3.734																				
KFRC	LIC	San Francisco	CA	610	5.000	3691.2	3696.6	284.2	77.6	39.5	48.9	.0	.0	2.92	2.464	3.186	.796	1361.8	67.9	1293.9
CJAT=1.384; KOGO=1.265; KCSP=1.146; KNML=1.115; KAVL=1.086; KIGS=1.078; KRTA=1.002; KPOJ=.857																				

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Bethesda, MD

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

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Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
XEBX		Sabinas	Mx	610	.500	2230.0	2239.0	248.1	56.6	33.0	43.5	.0	.0	7.68	7.443	10.016	3.722	2421.9F	187.9	2234.0
XEEL=5.846; KCSP=4.607; XEUF=3.574; XEGS=3.534; XECV=3.476; KILT=2.752																				
HJKL-000		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-001		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	1.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-002		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	2.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-003		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	3.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-004		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	4.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-005		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	5.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-006		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	6.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-007		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	7.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-008		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	8.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-009		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	9.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-010		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	10.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-011		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	11.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-012		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	12.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-013		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	13.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-014		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	14.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-015		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	15.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-016		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	16.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-017		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	17.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-018		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	18.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-019		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	19.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-020		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	20.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-021		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	21.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-022		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	22.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-023		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	23.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-024		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	24.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-025		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	25.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-026		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	26.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-027		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	27.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-028		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	28.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-029		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	29.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-030		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	30.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-031		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	31.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat		--- Theta ---		S.W. Mult.	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)							
HJKL-032		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	32.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-033		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	33.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-034		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	34.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-035		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	35.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-036		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	36.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-037		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	37.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-038		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	38.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-039		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	39.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-040		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	40.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-041		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	41.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-042		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	42.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-043		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	43.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-044		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	44.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-045		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	45.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-046		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	46.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-047		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	47.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-048		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	48.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-049		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	49.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-050		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	50.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-051		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	51.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-052		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	52.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-053		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	53.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-054		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	54.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-055		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	55.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-056		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	56.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-057		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	57.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-058		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	58.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-059		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	59.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-060		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	60.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-061		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	61.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-062		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	62.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-063		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	63.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-064		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	64.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-065		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	65.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-066		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	66.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)	
HJKL-067		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	67.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-068		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	68.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-069		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	69.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-070		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	70.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-071		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	71.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-072		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	72.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-073		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	73.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-074		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	74.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-075		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	75.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-076		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	76.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-077		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	77.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-078		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	78.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-079		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	79.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-080		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	80.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-081		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	81.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-082		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	82.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-083		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	83.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-084		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	84.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-085		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	85.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-086		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	86.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-087		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	87.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-088		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	88.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-089		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	89.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-090		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	90.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-091		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	91.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-092		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	92.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-093		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	93.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-094		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	94.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-095		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	95.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-096		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	96.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-097		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	97.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-098		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	98.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-099		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	99.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-100		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	100.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-101		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	101.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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.	
						(km)	(km)	(deg)	(deg)	(deg)	(deg)	(deg)	(deg)	(uV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	
HJKL-102		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	102.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-103		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	103.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-104		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	104.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-105		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	105.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-106		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	106.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-107		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	107.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-108		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	108.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-109		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	109.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-110		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	110.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-111		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	111.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-112		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	112.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-113		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	113.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-114		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	114.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-115		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	115.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-116		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	116.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-117		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	117.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-118		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	118.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-119		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	119.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-120		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	120.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-121		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	121.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-122		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	122.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-123		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	123.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-124		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	124.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-125		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	125.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-126		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	126.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-127		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	127.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-128		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	128.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-129		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	129.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-130		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	130.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-131		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	131.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-132		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	132.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-133		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	133.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-134		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	134.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-135		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	135.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-136		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	136.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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.	
						(km)	(km)	(deg)	(deg)	(deg)	(deg)	(deg)	(deg)	(uV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)
HJKL-137		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	137.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-138		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	138.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-139		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	139.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-140		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	140.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-141		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	141.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-142		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	142.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-143		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	143.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-144		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	144.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-145		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	145.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-146		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	146.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-147		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	147.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-148		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	148.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-149		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	149.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-150		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	150.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-151		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	151.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-152		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	152.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-153		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	153.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-154		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	154.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-155		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	155.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-156		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	156.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-157		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	157.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-158		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	158.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-159		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	159.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-160		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	160.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-161		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	161.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-162		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	162.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-163		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	163.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-164		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	164.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-165		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	165.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-166		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	166.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-167		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	167.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-168		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	168.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-169		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	169.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-170		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	170.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-171		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	171.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)							
HJKL-172		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	172.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-173		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	173.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-174		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	174.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-175		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	175.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-176		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	176.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-177		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	177.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-178		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	178.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-179		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	179.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-180		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	180.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-181		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	181.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-182		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	182.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-183		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	183.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-184		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	184.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-185		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	185.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-186		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	186.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-187		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	187.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-188		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	188.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-189		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	189.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-190		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	190.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-191		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	191.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-192		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	192.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-193		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	193.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-194		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	194.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-195		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	195.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-196		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	196.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-197		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	197.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-198		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	198.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-199		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	199.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-200		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	200.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-201		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	201.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-202		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	202.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-203		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	203.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-204		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	204.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-205		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	205.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-206		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	206.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)	
HJKL-207		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	207.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-208		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	208.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-209		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	209.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-210		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	210.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-211		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	211.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-212		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	212.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-213		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	213.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-214		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	214.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-215		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	215.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-216		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	216.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-217		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	217.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-218		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	218.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-219		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	219.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-220		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	220.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-221		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	221.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-222		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	222.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-223		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	223.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-224		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	224.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-225		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	225.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-226		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	226.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-227		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	227.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-228		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	228.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-229		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	229.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-230		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	230.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-231		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	231.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-232		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	232.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-233		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	233.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-234		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	234.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-235		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	235.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-236		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	236.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-237		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	237.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-238		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	238.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-239		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	239.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-240		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	240.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-241		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	241.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

Page 19
Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)							
HJKL-242		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	242.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-243		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	243.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-244		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	244.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-245		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	245.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-246		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	246.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-247		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	247.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-248		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	248.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-249		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	249.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-250		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	250.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-251		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	251.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-252		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	252.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-253		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	253.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-254		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	254.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-255		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	255.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-256		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	256.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-257		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	257.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-258		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	258.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-259		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	259.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-260		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	260.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-261		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	261.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-262		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	262.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-263		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	263.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-264		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	264.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-265		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	265.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-266		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	266.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-267		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	267.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-268		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	268.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-269		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	269.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-270		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	270.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-271		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	271.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-272		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	272.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-273		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	273.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-274		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	274.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-275		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	275.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-276		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	276.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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.	
						(km)	(km)	(deg)	(deg)	(deg)	(deg)	(deg)	(deg)	(uV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	
HJKL-277		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	277.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-278		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	278.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-279		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	279.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-280		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	280.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-281		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	281.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-282		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	282.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-283		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	283.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-284		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	284.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-285		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	285.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-286		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	286.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-287		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	287.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-288		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	288.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-289		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	289.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-290		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	290.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-291		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	291.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-292		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	292.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-293		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	293.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-294		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	294.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-295		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	295.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-296		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	296.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-297		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	297.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-298		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	298.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-299		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	299.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-300		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	300.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-301		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	301.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-302		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	302.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-303		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	303.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-304		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	304.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-305		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	305.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-306		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	306.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-307		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	307.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-308		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	308.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-309		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	309.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-310		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	310.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-311		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	311.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)	
HJKL-312		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	312.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-313		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	313.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-314		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	314.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-315		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	315.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-316		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	316.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-317		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	317.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-318		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	318.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-319		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	319.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-320		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	320.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-321		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	321.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-322		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	322.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-323		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	323.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-324		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	324.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-325		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	325.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-326		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	326.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-327		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	327.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-328		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	328.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-329		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	329.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-330		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	330.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-331		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	331.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-332		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	332.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-333		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	333.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-334		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	334.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-335		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	335.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-336		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	336.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-337		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	337.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-338		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	338.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-339		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	339.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-340		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	340.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-341		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	341.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-342		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	342.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-343		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	343.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-344		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	344.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-345		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	345.0	.0	1.250	2886.9S	183.5	2703.3
HJKL-346		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	346.0	.0	1.250	2886.9S	183.5	2703.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)		
HJKL-347		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	347.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-348		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	348.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-349		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	349.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-350		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	350.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-351		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	351.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-352		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	352.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-353		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	353.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-354		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	354.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-355		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	355.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-356		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	356.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-357		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	357.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-358		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	358.0	.0	1.250	2886.9S	183.5	2703.3		
HJKL-359		Bogota 3	Co	610	30.000	3741.4	3746.7	169.2	351.4	20.7	32.1	.0	.0	2.16	359.0	.0	1.250	2886.9S	183.5	2703.3		
LIC		Vail	CO	610	.217	2302.1	2310.8	284.5	87.9	39.2	49.5	.0	.7	8.19	30.434	30.434	7.609	4647.4	68.1	4579.3		
KNML=30.434																						
TIRPT		S Jose 5	Cs	610	10.000	3159.8	3166.1	188.4	6.7	23.2	34.4	.0	.0	3.18	3.342	3.677	2.500	3930.4F	64.2	3866.2		
CHAGUANA=2.524; WIOD=2.190; KILT=1.534																						
WSNG	LIC	Torrington	CT	610	.500	777.1	802.5	48.3	232.7	39.6	51.0	8.7	15.3	57.76	18.361	18.361	4.590	397.3	54.8	342.5		
WIP=18.361																						
CMJA		Mayari Arrib	Cu	610	1.000	1928.1	1938.5	165.6	347.8	28.9	40.2	1.3	1.3	11.71	12.704	14.762	4.000	1708.3F	237.4	1470.9		
WIOD=12.704; CHAGUANA=5.677; 4VJS=4.930																						
CMGA		Trinidad 1	Cu	610	1.000	1725.5	1737.0	179.8	359.8	29.5	40.8	2.4	2.4	16.69	20.468	20.468	4.000	1198.6F	60.4	1138.2		
WIOD=20.468																						
HIJR		Santiago 1	Dr	610	1.000	2194.1	2203.2	152.8	337.3	28.4	39.8	.0	.0	8.05	14.033	17.533	10.000	6210.6F	435.9	5774.7		
CHAGUANA=14.033; WEXS=6.580; 4VJS=5.887; WIOD=5.703																						
YSS-000		Morazan	Es	610	10.000	2715.0	2722.4	199.1	15.5	25.7	36.7	.0	.0	4.58	.0	40.5	6.503	7106.0g	72.1	7033.9		
YSS-001		Morazan	Es	610	10.000	2716.0	2723.4	199.1	15.5	25.7	36.7	.0	.0	4.57	1.0	39.3	6.916	7563.5g	72.1	7491.5		
YSS-002		Morazan	Es	610	10.000	2716.9	2724.2	199.0	15.5	25.7	36.7	.0	.0	4.57	2.0	38.3	7.298	7987.1g	72.1	7915.0		
YSS-003		Morazan	Es	610	10.000	2717.6	2724.9	199.0	15.5	25.7	36.7	.0	.0	4.57	3.0	37.4	7.636	8362.7g	72.1	8290.7		
www.dataworld.com																			P.O. Box 30730, Bethesda, MD, 20824-0730		(800) 368-5754	

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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YSS-004		Morazan	Es	610	10.000	2718.3	2725.6	199.0	15.5	25.7	36.7	.0	.0	4.56	4.0	36.5	7.996	8761.7g	72.1	8689.6
YSS-005		Morazan	Es	610	10.000	2719.0	2726.4	199.0	15.5	25.7	36.7	.0	.0	4.56	5.0	35.7	8.376	9183.9g	72.1	9111.9
YSS-006		Morazan	Es	610	10.000	2719.8	2727.1	199.0	15.5	25.7	36.7	.0	.0	4.56	6.0	34.8	8.784	9637.6g	72.1	9565.5
YSS-012		Morazan	Es	610	10.000	2719.8	2727.2	198.9	15.4	25.6	36.7	.0	.0	4.56	12.0	34.3	9.033	9911.5g	72.1	9839.4
YSS-013		Morazan	Es	610	10.000	2719.4	2726.7	198.9	15.4	25.6	36.7	.0	.0	4.56	13.0	34.7	8.821	9675.2g	72.1	9603.1
YSS-014		Morazan	Es	610	10.000	2718.9	2726.3	198.9	15.4	25.6	36.7	.0	.0	4.56	14.0	35.2	8.616	9447.3g	72.1	9375.2
YSS-015		Morazan	Es	610	10.000	2718.5	2725.9	198.9	15.4	25.7	36.7	.0	.0	4.56	15.0	35.6	8.419	9227.4g	72.1	9155.3
YSS-016		Morazan	Es	610	10.000	2718.1	2725.4	198.8	15.3	25.7	36.7	.0	.0	4.56	16.0	36.0	8.228	9015.3g	72.1	8943.2
YSS-017		Morazan	Es	610	10.000	2717.8	2725.1	198.8	15.3	25.7	36.7	.0	.0	4.56	17.0	36.4	8.080	8850.8g	72.1	8778.7
YSS-018		Morazan	Es	610	10.000	2717.7	2725.0	198.8	15.3	25.7	36.7	.0	.0	4.57	18.0	36.5	8.019	8782.8g	72.1	8710.7
YSS-019		Morazan	Es	610	10.000	2717.5	2724.9	198.8	15.3	25.7	36.7	.0	.0	4.57	19.0	36.7	7.949	8704.6g	72.1	8632.5
YSS-020		Morazan	Es	610	10.000	2717.3	2724.6	198.8	15.3	25.7	36.7	.0	.0	4.57	20.0	36.9	7.834	8577.6g	72.1	8505.5
YSS-021		Morazan	Es	610	10.000	2717.1	2724.4	198.8	15.3	25.7	36.7	.0	.0	4.57	21.0	37.2	7.720	8451.0g	72.1	8378.9
YSS-022		Morazan	Es	610	10.000	2716.9	2724.2	198.8	15.3	25.7	36.7	.0	.0	4.57	22.0	37.5	7.608	8327.2g	72.1	8255.1
YSS-023		Morazan	Es	610	10.000	2716.7	2724.0	198.7	15.3	25.7	36.7	.0	.0	4.57	23.0	37.8	7.499	8206.2g	72.1	8134.1
YSS-024		Morazan	Es	610	10.000	2716.4	2723.8	198.7	15.3	25.7	36.7	.0	.0	4.57	24.0	38.1	7.361	8053.4g	72.2	7981.3
YSS-025		Morazan	Es	610	10.000	2716.0	2723.3	198.7	15.2	25.7	36.7	.0	.0	4.57	25.0	38.7	7.138	7805.9g	72.2	7733.7
YSS-026		Morazan	Es	610	10.000	2715.6	2723.0	198.7	15.2	25.7	36.7	.0	.0	4.57	26.0	39.1	6.979	7630.3g	72.2	7558.1
YSS-027		Morazan	Es	610	10.000	2715.4	2722.7	198.7	15.2	25.7	36.7	.0	.0	4.57	27.0	39.6	6.832	7467.9g	72.2	7395.8
YSS-028		Morazan	Es	610	10.000	2715.1	2722.5	198.7	15.2	25.7	36.7	.0	.0	4.58	28.0	40.0	6.687	7307.7g	72.2	7235.5
YSS-029		Morazan	Es	610	10.000	2714.9	2722.2	198.6	15.2	25.7	36.7	.0	.0	4.58	29.0	40.4	6.546	7152.7g	72.2	7080.5
YSS-030		Morazan	Es	610	10.000	2714.6	2722.0	198.6	15.2	25.7	36.7	.0	.0	4.58	30.0	40.8	6.410	7002.5g	72.2	6930.3
YSS-031		Morazan	Es	610	10.000	2714.4	2721.8	198.6	15.2	25.7	36.7	.0	.0	4.58	31.0	41.3	6.278	6857.1g	72.2	6784.9
YSS-032		Morazan	Es	610	10.000	2714.2	2721.6	198.6	15.1	25.7	36.7	.0	.0	4.58	32.0	41.7	6.150	6716.2g	72.2	6644.0
YSS-033		Morazan	Es	610	10.000	2714.0	2721.4	198.6	15.1	25.7	36.7	.0	.0	4.58	33.0	42.1	6.026	6579.7g	72.2	6507.5
YSS-034		Morazan	Es	610	10.000	2713.9	2721.2	198.6	15.1	25.7	36.7	.0	.0	4.58	34.0	42.5	5.904	6444.8g	72.2	6372.6
YSS-035		Morazan	Es	610	10.000	2713.7	2721.1	198.5	15.1	25.7	36.7	.0	.0	4.58	35.0	42.9	5.784	6313.6g	72.2	6241.4
YSS-036		Morazan	Es	610	10.000	2713.6	2720.9	198.5	15.1	25.7	36.7	.0	.0	4.58	36.0	43.4	5.668	6186.4g	72.2	6114.2
YSS-037		Morazan	Es	610	10.000	2713.5	2720.8	198.5	15.1	25.7	36.7	.0	.0	4.58	37.0	43.8	5.556	6063.0g	72.2	5990.8
YSS-038		Morazan	Es	610	10.000	2713.5	2720.8	198.5	15.1	25.6	36.7	.0	.0	4.58	38.0	44.1	5.476	5976.0g	72.2	5903.7
YSS-039		Morazan	Es	610	10.000	2713.7	2721.0	198.5	15.0	25.6	36.7	.0	.0	4.58	39.0	44.2	5.447	5945.8g	72.2	5873.6
YSS-040		Morazan	Es	610	10.000	2713.9	2721.3	198.5	15.0	25.6	36.7	.0	.0	4.58	40.0	44.3	5.419	5915.9g	72.2	5843.7
YSS-041		Morazan	Es	610	10.000	2714.1	2721.5	198.4	15.0	25.6	36.7	.0	.0	4.58	41.0	44.4	5.391	5886.4g	72.3	5814.1
YSS-042		Morazan	Es	610	10.000	2714.4	2721.7	198.4	15.0	25.6	36.7	.0	.0	4.58	42.0	44.5	5.363	5857.1g	72.3	5784.8
YSS-043		Morazan	Es	610	10.000	2714.6	2722.0	198.4	15.0	25.6	36.7	.0	.0	4.58	43.0	44.6	5.335	5828.1g	72.3	5755.9

Dataworld, Inc.
Bethesda, MD

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)	
YSS-044		Morazan	Es	610	10.000	2714.9	2722.3	198.4	15.0	25.6	36.7	.0	.0	4.58	44.0	44.8	5.308	5799.4g	72.3	5727.2
YSS-045		Morazan	Es	610	10.000	2715.2	2722.6	198.4	15.0	25.6	36.7	.0	.0	4.57	45.0	44.9	5.280	5771.0g	72.3	5698.8
YSS-046		Morazan	Es	610	10.000	2715.5	2722.9	198.4	15.0	25.6	36.7	.0	.0	4.57	46.0	45.0	5.253	5743.0g	72.3	5670.7
YSS-047		Morazan	Es	610	10.000	2715.9	2723.3	198.3	14.9	25.6	36.7	.0	.0	4.57	47.0	44.9	5.261	5753.6g	72.3	5681.3
YSS-048		Morazan	Es	610	10.000	2716.4	2723.8	198.3	14.9	25.6	36.7	.0	.0	4.57	48.0	44.9	5.269	5764.3g	72.3	5692.0
YSS-049		Morazan	Es	610	10.000	2716.9	2724.2	198.3	14.9	25.6	36.7	.0	.0	4.57	49.0	44.9	5.277	5775.1g	72.3	5702.8
YSS-050		Morazan	Es	610	10.000	2717.3	2724.7	198.3	14.9	25.6	36.7	.0	.0	4.57	50.0	44.8	5.284	5786.0g	72.3	5713.7
YSS-051		Morazan	Es	610	10.000	2717.8	2725.2	198.3	14.9	25.6	36.7	.0	.0	4.56	51.0	44.8	5.292	5797.0g	72.3	5724.7
YSS-052		Morazan	Es	610	10.000	2718.2	2725.5	198.3	14.9	25.6	36.7	.0	.0	4.56	52.0	45.0	5.256	5759.5g	72.3	5687.1
YSS-053		Morazan	Es	610	10.000	2718.4	2725.8	198.3	14.9	25.6	36.7	.0	.0	4.56	53.0	45.2	5.194	5692.0g	72.3	5619.6
YSS-054		Morazan	Es	610	10.000	2718.7	2726.1	198.2	14.9	25.6	36.7	.0	.0	4.56	54.0	45.5	5.132	5625.7g	72.3	5553.4
YSS-055		Morazan	Es	610	10.000	2718.8	2726.2	198.2	14.8	25.6	36.7	.0	.0	4.56	55.0	46.0	5.000	5481.3g	72.3	5409.0
YSS-056		Morazan	Es	610	10.000	2719.2	2726.6	198.2	14.8	25.6	36.7	.0	.0	4.56	56.0	46.2	4.974	5454.8g	72.3	5382.5
YSS-057		Morazan	Es	610	10.000	2720.4	2727.8	198.2	14.8	25.6	36.6	.0	.0	4.55	57.0	45.3	5.173	5678.6g	72.3	5606.2
YSS-058		Morazan	Es	610	10.000	2721.6	2728.9	198.2	14.8	25.6	36.6	.0	.0	4.55	58.0	44.5	5.381	5912.7g	72.3	5840.4
YSS-059		Morazan	Es	610	10.000	2722.7	2730.1	198.2	14.8	25.6	36.6	.0	.0	4.55	59.0	43.6	5.601	6161.2g	72.3	6088.9
YSS-060		Morazan	Es	610	10.000	2723.9	2731.2	198.2	14.8	25.6	36.6	.0	.0	4.54	60.0	42.8	5.836	6425.2g	72.3	6352.9
YSS-061		Morazan	Es	610	10.000	2725.0	2732.3	198.2	14.8	25.6	36.6	.0	.0	4.54	61.0	41.9	6.083	6703.9g	72.3	6631.6
YSS-062		Morazan	Es	610	10.000	2726.1	2733.4	198.2	14.8	25.6	36.6	.0	.0	4.53	62.0	41.0	6.342	6996.0g	72.3	6923.7
YSS-063		Morazan	Es	610	10.000	2727.2	2734.5	198.2	14.8	25.6	36.6	.0	.0	4.53	63.0	40.2	6.618	7307.1g	72.3	7234.8
YSS-064		Morazan	Es	610	10.000	2728.3	2735.6	198.2	14.8	25.6	36.6	.0	.0	4.52	64.0	39.3	6.911	7637.4g	72.3	7565.0
YSS-065		Morazan	Es	610	10.000	2729.2	2736.5	198.2	14.8	25.6	36.6	.0	.0	4.52	65.0	38.7	7.133	7889.4g	72.3	7817.1
YSS-066		Morazan	Es	610	10.000	2729.9	2737.2	198.2	14.8	25.6	36.6	.0	.0	4.52	66.0	38.4	7.258	8032.3g	72.3	7959.9
YSS-067		Morazan	Es	610	10.000	2730.7	2738.0	198.2	14.8	25.6	36.6	.0	.0	4.51	67.0	38.0	7.386	8178.9g	72.3	8106.6
YSS-068		Morazan	Es	610	10.000	2731.4	2738.7	198.2	14.8	25.6	36.6	.0	.0	4.51	68.0	37.7	7.517	8329.5g	72.3	8257.2
YSS-069		Morazan	Es	610	10.000	2732.1	2739.4	198.2	14.8	25.6	36.6	.0	.0	4.51	69.0	37.4	7.652	8484.2g	72.3	8411.9
YSS-070		Morazan	Es	610	10.000	2732.8	2740.1	198.2	14.8	25.5	36.6	.0	.0	4.51	70.0	37.0	7.790	8643.1g	72.3	8570.8
YSS-071		Morazan	Es	610	10.000	2733.6	2740.9	198.2	14.8	25.5	36.6	.0	.0	4.50	71.0	36.7	7.931	8804.3g	72.3	8732.0
YSS-072		Morazan	Es	610	10.000	2734.3	2741.6	198.2	14.8	25.5	36.6	.0	.0	4.50	72.0	36.4	8.073	8968.4g	72.3	8896.0
YSS-073		Morazan	Es	610	10.000	2735.0	2742.3	198.2	14.8	25.5	36.6	.0	.0	4.50	73.0	36.0	8.220	9136.9g	72.3	9064.6
YSS-074		Morazan	Es	610	10.000	2735.7	2743.0	198.2	14.8	25.5	36.6	.0	.0	4.50	74.0	35.7	8.371	9310.2g	72.3	9237.9
YSS-075		Morazan	Es	610	10.000	2736.4	2743.7	198.2	14.8	25.5	36.6	.0	.0	4.49	75.0	35.4	8.526	9488.4g	72.3	9416.1
YSS-076		Morazan	Es	610	10.000	2737.1	2744.4	198.2	14.8	25.5	36.6	.0	.0	4.49	76.0	35.0	8.686	9671.6g	72.3	9599.3
YSS-077		Morazan	Es	610	10.000	2737.8	2745.1	198.2	14.8	25.5	36.6	.0	.0	4.49	77.0	34.7	8.850	9860.1g	72.3	9787.8
YSS-104		Morazan	Es	610	10.000	2753.5	2760.7	198.1	14.7	25.5	36.5	.0	.0	4.43	104.0	37.4	7.658	8647.0g	72.4	8574.6

Dataworld, Inc.
Bethesda, MD

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
YSS-105		Morazan	Es	610	10.000	2754.1	2761.4	198.0 14.7	25.4 36.5	.0 .0	4.43	105.0	37.7	7.532	8509.0g	72.4	8436.6
YSS-106		Morazan	Es	610	10.000	2754.8	2762.0	198.0 14.7	25.4 36.5	.0 .0	4.42	106.0	38.0	7.408	8374.5g	72.4	8302.1
YSS-107		Morazan	Es	610	10.000	2755.5	2762.7	198.0 14.7	25.4 36.5	.0 .0	4.42	107.0	38.3	7.288	8243.2g	72.4	8170.8
YSS-108		Morazan	Es	610	10.000	2756.1	2763.4	198.0 14.7	25.4 36.5	.0 .0	4.42	108.0	38.4	7.250	8205.2g	72.4	8132.8
YSS-109		Morazan	Es	610	10.000	2756.8	2764.1	198.0 14.7	25.4 36.5	.0 .0	4.42	109.0	38.4	7.241	8200.0g	72.4	8127.6
YSS-110		Morazan	Es	610	10.000	2757.4	2764.7	198.0 14.7	25.4 36.5	.0 .0	4.41	110.0	38.1	7.382	8363.7g	72.4	8291.3
YSS-111		Morazan	Es	610	10.000	2758.1	2765.3	198.1 14.7	25.4 36.5	.0 .0	4.41	111.0	37.7	7.527	8532.2g	72.4	8459.8
YSS-112		Morazan	Es	610	10.000	2758.7	2765.9	198.1 14.7	25.4 36.5	.0 .0	4.41	112.0	37.3	7.676	8705.6g	72.4	8633.2
YSS-113		Morazan	Es	610	10.000	2759.3	2766.5	198.1 14.7	25.4 36.5	.0 .0	4.41	113.0	36.9	7.829	8884.2g	72.4	8811.8
YSS-114		Morazan	Es	610	10.000	2759.8	2767.1	198.1 14.7	25.4 36.5	.0 .0	4.40	114.0	36.6	7.984	9064.5g	72.4	8992.1
YSS-115		Morazan	Es	610	10.000	2760.4	2767.6	198.1 14.7	25.4 36.5	.0 .0	4.40	115.0	36.2	8.143	9249.6g	72.4	9177.2
YSS-116		Morazan	Es	610	10.000	2761.0	2768.2	198.1 14.7	25.4 36.5	.0 .0	4.40	116.0	35.9	8.298	9430.1g	72.4	9357.8
YSS-117		Morazan	Es	610	10.000	2761.5	2768.7	198.1 14.7	25.4 36.5	.0 .0	4.40	117.0	35.5	8.439	9594.8g	72.4	9522.4
YSS-118		Morazan	Es	610	10.000	2762.0	2769.3	198.1 14.7	25.4 36.5	.0 .0	4.40	118.0	35.2	8.584	9763.6g	72.4	9691.2
YSS-119		Morazan	Es	610	10.000	2762.6	2769.8	198.1 14.7	25.4 36.5	.0 .0	4.39	119.0	34.9	8.732	9936.8g	72.4	9864.4
YSS-139		Morazan	Es	610	10.000	2774.7	2781.9	198.2 14.8	25.4 36.4	.0 .0	4.35	139.0	36.9	7.868	9046.3g	72.3	8974.0
YSS-139		Morazan	Es	610	10.000	2778.3	2785.5	198.1 14.7	25.3 36.4	.0 .0	4.34	139.0	43.3	5.689	6560.9g	72.4	6488.5
YSS-140		Morazan	Es	610	10.000	2774.5	2781.7	198.2 14.8	25.4 36.4	.0 .0	4.35	140.0	35.6	8.402	9658.2g	72.3	9585.9
YSS-140		Morazan	Es	610	10.000	2779.2	2786.4	198.1 14.7	25.3 36.4	.0 .0	4.33	140.0	43.7	5.567	6425.2g	72.4	6352.8
YSS-141		Morazan	Es	610	10.000	2780.1	2787.3	198.1 14.7	25.3 36.4	.0 .0	4.33	141.0	44.2	5.449	6293.8g	72.4	6221.4
YSS-142		Morazan	Es	610	10.000	2781.0	2788.2	198.1 14.7	25.3 36.4	.0 .0	4.33	142.0	44.6	5.335	6166.4g	72.4	6094.0
YSS-143		Morazan	Es	610	10.000	2781.8	2789.0	198.1 14.7	25.3 36.4	.0 .0	4.32	143.0	44.9	5.260	6083.8g	72.4	6011.4
YSS-144		Morazan	Es	610	10.000	2782.4	2789.6	198.1 14.7	25.3 36.4	.0 .0	4.32	144.0	45.0	5.245	6070.8g	72.4	5998.5
YSS-145		Morazan	Es	610	10.000	2783.1	2790.2	198.1 14.7	25.3 36.4	.0 .0	4.32	145.0	45.1	5.231	6057.9g	72.4	5985.5
YSS-146		Morazan	Es	610	10.000	2783.7	2790.9	198.1 14.7	25.3 36.4	.0 .0	4.32	146.0	45.1	5.217	6044.9g	72.4	5972.5
YSS-147		Morazan	Es	610	10.000	2784.3	2791.5	198.1 14.7	25.3 36.4	.0 .0	4.31	147.0	45.2	5.203	6031.9g	72.4	5959.6
YSS-148		Morazan	Es	610	10.000	2785.0	2792.1	198.1 14.7	25.3 36.4	.0 .0	4.31	148.0	45.2	5.189	6019.0g	72.4	5946.6
YSS-149		Morazan	Es	610	10.000	2785.7	2792.9	198.2 14.8	25.3 36.4	.0 .0	4.31	149.0	45.5	5.130	5953.8g	72.4	5881.5
YSS-150		Morazan	Es	610	10.000	2786.6	2793.7	198.2 14.8	25.3 36.4	.0 .0	4.30	150.0	45.9	5.028	5839.4g	72.4	5767.0
YSS-151		Morazan	Es	610	10.000	2787.4	2794.6	198.2 14.8	25.3 36.4	.0 .0	4.30	151.0	46.4	4.927	5727.1g	72.4	5654.7
YSS-152		Morazan	Es	610	10.000	2788.3	2795.5	198.2 14.8	25.3 36.3	.0 .0	4.30	152.0	46.8	4.830	5618.0g	72.3	5545.6
YSS-153		Morazan	Es	610	10.000	2789.2	2796.4	198.2 14.8	25.3 36.3	.0 .0	4.30	153.0	47.2	4.735	5512.0g	72.3	5439.7
YSS-154		Morazan	Es	610	10.000	2790.1	2797.2	198.2 14.8	25.3 36.3	.0 .0	4.29	154.0	47.7	4.643	5407.1g	72.3	5334.8
YSS-155		Morazan	Es	610	10.000	2790.9	2798.1	198.2 14.8	25.3 36.3	.0 .0	4.29	155.0	48.1	4.554	5307.2g	72.3	5234.9
YSS-156		Morazan	Es	610	10.000	2791.8	2799.0	198.2 14.8	25.3 36.3	.0 .0	4.29	156.0	48.6	4.467	5210.0g	72.3	5137.7

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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	
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
YSS-157		Morazan	Es	610	10.000	2792.7	2799.8	198.2	14.8	25.3	36.3	.0	.0	4.28	157.0	49.0	4.383	5115.5g	72.3	5043.2
YSS-158		Morazan	Es	610	10.000	2793.6	2800.7	198.2	14.8	25.3	36.3	.0	.0	4.28	158.0	49.4	4.300	5022.5g	72.3	4950.2
YSS-159		Morazan	Es	610	10.000	2794.4	2801.6	198.2	14.8	25.3	36.3	.0	.0	4.28	159.0	49.9	4.218	4931.1g	72.3	4858.7
YSS-160		Morazan	Es	610	10.000	2795.3	2802.4	198.2	14.8	25.3	36.3	.0	.0	4.27	160.0	50.3	4.139	4842.1g	72.3	4769.8
YSS-161		Morazan	Es	610	10.000	2796.1	2803.3	198.2	14.8	25.3	36.3	.0	.0	4.27	161.0	50.7	4.062	4755.5g	72.3	4683.2
YSS-162		Morazan	Es	610	10.000	2797.0	2804.1	198.3	14.8	25.3	36.3	.0	.0	4.27	162.0	51.2	3.987	4671.2g	72.3	4598.8
YSS-163		Morazan	Es	610	10.000	2797.4	2804.5	198.3	14.8	25.3	36.3	.0	.0	4.27	163.0	51.0	4.011	4701.6g	72.3	4629.3
YSS-164		Morazan	Es	610	10.000	2797.6	2804.7	198.3	14.9	25.3	36.3	.0	.0	4.27	164.0	50.8	4.055	4753.7g	72.3	4681.4
YSS-165		Morazan	Es	610	10.000	2797.8	2805.0	198.3	14.9	25.3	36.3	.0	.0	4.26	165.0	50.5	4.099	4806.6g	72.3	4734.3
YSS-166		Morazan	Es	610	10.000	2798.0	2805.2	198.3	14.9	25.3	36.3	.0	.0	4.26	166.0	50.3	4.144	4860.3g	72.3	4788.0
YSS-167		Morazan	Es	610	10.000	2798.2	2805.4	198.4	14.9	25.3	36.3	.0	.0	4.26	167.0	50.0	4.190	4914.8g	72.3	4842.5
YSS-168		Morazan	Es	610	10.000	2798.4	2805.5	198.4	14.9	25.3	36.3	.0	.0	4.26	168.0	49.8	4.237	4970.1g	72.3	4897.8
YSS-169		Morazan	Es	610	10.000	2798.6	2805.7	198.4	14.9	25.3	36.3	.0	.0	4.26	169.0	49.5	4.284	5026.2g	72.3	4954.0
YSS-170		Morazan	Es	610	10.000	2798.7	2805.8	198.4	14.9	25.3	36.3	.0	.0	4.26	170.0	49.2	4.336	5087.8g	72.3	5015.6
YSS-171		Morazan	Es	610	10.000	2798.8	2805.9	198.4	15.0	25.3	36.3	.0	.0	4.26	171.0	48.9	4.395	5158.1g	72.3	5085.8
YSS-172		Morazan	Es	610	10.000	2798.8	2805.9	198.4	15.0	25.3	36.3	.0	.0	4.26	172.0	48.6	4.456	5229.5g	72.2	5157.3
YSS-173		Morazan	Es	610	10.000	2798.8	2806.0	198.5	15.0	25.3	36.3	.0	.0	4.26	173.0	48.3	4.518	5302.3g	72.2	5230.1
YSS-174		Morazan	Es	610	10.000	2798.9	2806.0	198.5	15.0	25.3	36.3	.0	.0	4.26	174.0	48.0	4.581	5376.6g	72.2	5304.3
YSS-175		Morazan	Es	610	10.000	2798.8	2806.0	198.5	15.0	25.3	36.3	.0	.0	4.26	175.0	47.7	4.646	5452.2g	72.2	5380.0
YSS-176		Morazan	Es	610	10.000	2798.8	2806.0	198.5	15.0	25.3	36.3	.0	.0	4.26	176.0	47.4	4.712	5529.4g	72.2	5457.2
YSS-177		Morazan	Es	610	10.000	2798.8	2805.9	198.5	15.1	25.3	36.3	.0	.0	4.26	177.0	47.0	4.779	5608.1g	72.2	5535.9
YSS-178		Morazan	Es	610	10.000	2798.7	2805.9	198.6	15.1	25.3	36.3	.0	.0	4.26	178.0	46.7	4.847	5688.4g	72.2	5616.2
YSS-179		Morazan	Es	610	10.000	2798.7	2805.9	198.6	15.1	25.3	36.3	.0	.0	4.26	179.0	46.5	4.907	5757.7g	72.2	5685.5
YSS-180		Morazan	Es	610	10.000	2798.9	2806.1	198.6	15.1	25.3	36.3	.0	.0	4.26	180.0	46.5	4.904	5755.8g	72.2	5683.6
YSS-181		Morazan	Es	610	10.000	2799.2	2806.3	198.6	15.1	25.3	36.3	.0	.0	4.26	181.0	46.5	4.901	5753.7g	72.2	5681.5
YSS-182		Morazan	Es	610	10.000	2799.4	2806.5	198.6	15.1	25.3	36.3	.0	.0	4.26	182.0	46.5	4.898	5751.6g	72.2	5679.4
YSS-183		Morazan	Es	610	10.000	2799.6	2806.7	198.6	15.1	25.3	36.3	.0	.0	4.26	183.0	46.5	4.896	5749.4g	72.2	5677.2
YSS-184		Morazan	Es	610	10.000	2799.7	2806.9	198.7	15.2	25.3	36.3	.0	.0	4.26	184.0	46.5	4.893	5747.2g	72.2	5675.0
YSS-185		Morazan	Es	610	10.000	2799.9	2807.0	198.7	15.2	25.3	36.3	.0	.0	4.26	185.0	46.5	4.890	5744.8g	72.2	5672.7
YSS-186		Morazan	Es	610	10.000	2800.1	2807.2	198.7	15.2	25.3	36.3	.0	.0	4.26	186.0	46.6	4.880	5734.0g	72.2	5661.9
YSS-187		Morazan	Es	610	10.000	2800.3	2807.4	198.7	15.2	25.3	36.3	.0	.0	4.25	187.0	46.7	4.860	5711.1g	72.2	5639.0
YSS-188		Morazan	Es	610	10.000	2800.5	2807.7	198.7	15.2	25.3	36.3	.0	.0	4.25	188.0	46.8	4.833	5679.9g	72.2	5607.8
YSS-189		Morazan	Es	610	10.000	2800.9	2808.0	198.7	15.2	25.3	36.3	.0	.0	4.25	189.0	47.1	4.772	5610.7g	72.1	5538.6
YSS-190		Morazan	Es	610	10.000	2801.3	2808.4	198.8	15.2	25.3	36.3	.0	.0	4.25	190.0	47.3	4.713	5542.7g	72.1	5470.6
YSS-191		Morazan	Es	610	10.000	2801.6	2808.7	198.8	15.2	25.3	36.3	.0	.0	4.25	191.0	47.6	4.655	5476.4g	72.1	5404.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
YSS-192		Morazan	Es	610	10.000	2801.9	2809.1	198.8	15.3	25.3	36.3	.0	.0	4.25	192.0	47.9	4.598	5411.2g	72.1	5339.1
YSS-193		Morazan	Es	610	10.000	2802.2	2809.4	198.8	15.3	25.3	36.3	.0	.0	4.25	193.0	48.2	4.542	5347.1g	72.1	5275.0
YSS-194		Morazan	Es	610	10.000	2802.5	2809.7	198.8	15.3	25.3	36.3	.0	.0	4.25	194.0	48.5	4.488	5284.1g	72.1	5212.0
YSS-195		Morazan	Es	610	10.000	2802.8	2810.0	198.8	15.3	25.3	36.3	.0	.0	4.25	195.0	48.7	4.434	5222.1g	72.1	5150.0
YSS-196		Morazan	Es	610	10.000	2803.1	2810.2	198.9	15.3	25.3	36.3	.0	.0	4.24	196.0	49.0	4.381	5161.1g	72.1	5089.0
YSS-197		Morazan	Es	610	10.000	2803.4	2810.5	198.9	15.3	25.3	36.3	.0	.0	4.24	197.0	49.3	4.329	5100.7g	72.1	5028.6
YSS-198		Morazan	Es	610	10.000	2803.6	2810.7	198.9	15.3	25.3	36.3	.0	.0	4.24	198.0	49.6	4.277	5040.4g	72.1	4968.3
YSS-199		Morazan	Es	610	10.000	2803.9	2811.0	198.9	15.4	25.3	36.3	.0	.0	4.24	199.0	49.9	4.218	4972.2g	72.1	4900.1
YSS-200		Morazan	Es	610	10.000	2804.2	2811.3	198.9	15.4	25.3	36.3	.0	.0	4.24	200.0	50.3	4.149	4892.6g	72.1	4820.5
YSS-201		Morazan	Es	610	10.000	2804.5	2811.6	199.0	15.4	25.3	36.3	.0	.0	4.24	201.0	50.6	4.082	4814.9g	72.1	4742.8
YSS-202		Morazan	Es	610	10.000	2804.9	2812.0	199.0	15.4	25.3	36.3	.0	.0	4.24	202.0	51.1	3.999	4718.2g	72.1	4646.1
YSS-203		Morazan	Es	610	10.000	2805.3	2812.4	199.0	15.4	25.3	36.3	.0	.0	4.24	203.0	51.6	3.912	4616.9g	72.1	4544.8
YSS-204		Morazan	Es	610	10.000	2805.7	2812.8	199.0	15.4	25.3	36.3	.0	.0	4.23	204.0	52.2	3.827	4518.7g	72.1	4446.6
YSS-205		Morazan	Es	610	10.000	2806.0	2813.2	199.0	15.5	25.3	36.3	.0	.0	4.23	205.0	52.7	3.745	4423.5g	72.1	4351.4
YSS-206		Morazan	Es	610	10.000	2806.4	2813.5	199.1	15.5	25.3	36.3	.0	.0	4.23	206.0	53.2	3.664	4329.5g	72.1	4257.5
YSS-207		Morazan	Es	610	10.000	2806.7	2813.9	199.1	15.5	25.3	36.3	.0	.0	4.23	207.0	53.7	3.586	4238.3g	72.1	4166.2
YSS-208		Morazan	Es	610	10.000	2807.1	2814.2	199.1	15.5	25.3	36.3	.0	.0	4.23	208.0	54.2	3.510	4149.8g	72.0	4077.7
YSS-209		Morazan	Es	610	10.000	2807.4	2814.5	199.1	15.5	25.3	36.3	.0	.0	4.23	209.0	54.8	3.437	4063.8g	72.0	3991.8
YSS-210		Morazan	Es	610	10.000	2807.6	2814.7	199.1	15.5	25.3	36.3	.0	.0	4.23	210.0	55.3	3.365	3980.4g	72.0	3908.4
YSS-211		Morazan	Es	610	10.000	2807.9	2815.0	199.2	15.6	25.3	36.3	.0	.0	4.23	211.0	55.8	3.296	3899.4g	72.0	3827.4
YSS-212		Morazan	Es	610	10.000	2808.1	2815.2	199.2	15.6	25.3	36.3	.0	.0	4.23	212.0	56.3	3.229	3820.5g	72.0	3748.4
YSS-213		Morazan	Es	610	10.000	2808.3	2815.4	199.2	15.6	25.3	36.3	.0	.0	4.22	213.0	56.9	3.162	3742.6g	72.0	3670.6
YSS-214		Morazan	Es	610	10.000	2808.5	2815.6	199.2	15.6	25.3	36.3	.0	.0	4.22	214.0	57.4	3.098	3666.9g	72.0	3594.9
YSS-215		Morazan	Es	610	10.000	2808.7	2815.8	199.3	15.6	25.3	36.3	.0	.0	4.22	215.0	57.9	3.035	3593.4g	72.0	3521.3
YSS-216		Morazan	Es	610	10.000	2808.8	2816.0	199.3	15.7	25.3	36.3	.0	.0	4.22	216.0	58.4	2.974	3521.9g	72.0	3449.9
YSS-217		Morazan	Es	610	10.000	2809.1	2816.2	199.3	15.7	25.3	36.3	.0	.0	4.22	217.0	59.1	2.901	3435.7g	72.0	3363.7
YSS-218		Morazan	Es	610	10.000	2809.8	2816.9	199.3	15.7	25.3	36.3	.0	.0	4.22	218.0	60.3	2.770	3282.7g	72.0	3210.7
YSS-219		Morazan	Es	610	10.000	2810.6	2817.7	199.4	15.7	25.3	36.3	.0	.0	4.22	219.0	61.5	2.646	3138.1g	72.0	3066.1
YSS-220		Morazan	Es	610	10.000	2811.2	2818.3	199.4	15.7	25.3	36.3	.0	.0	4.21	220.0	62.8	2.529	3001.2g	72.0	2929.2
YSS-221		Morazan	Es	610	10.000	2811.9	2819.0	199.4	15.8	25.3	36.3	.0	.0	4.21	221.0	64.0	2.420	2872.7g	72.0	2800.7
YSS-222		Morazan	Es	610	10.000	2812.5	2819.6	199.5	15.8	25.3	36.3	.0	.0	4.21	222.0	65.2	2.317	2751.9g	72.0	2680.0
YSS-223		Morazan	Es	610	10.000	2812.8	2819.9	199.5	15.8	25.3	36.3	.0	.0	4.21	223.0	66.1	2.241	2662.8g	72.0	2590.9
YSS-224		Morazan	Es	610	10.000	2812.6	2819.7	199.5	15.8	25.3	36.3	.0	.0	4.21	224.0	66.5	2.212	2628.4g	72.0	2556.4
YSS-225		Morazan	Es	610	10.000	2812.4	2819.5	199.6	15.9	25.3	36.3	.0	.0	4.21	225.0	66.9	2.184	2594.5g	71.9	2522.5
YSS-226		Morazan	Es	610	10.000	2812.1	2819.2	199.6	15.9	25.3	36.3	.0	.0	4.21	226.0	67.2	2.157	2561.2g	71.9	2489.2

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth --		Mid-Pt Lat GC GMag (deg) (deg)	--- Theta ---		S.W. Mult. (uV/m)	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current	
								To (deg)	From (deg)		Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
YSS-227		Morazan	Es	610	10.000	2811.9	2819.0	199.6	15.9	25.3	36.3	.0	.0	4.21	227.0	67.6	2.130	2528.4g	71.9 2456.5
YSS-228		Morazan	Es	610	10.000	2811.5	2818.7	199.6	15.9	25.3	36.3	.0	.0	4.21	228.0	68.0	2.103	2496.2g	71.9 2424.3
YSS-229		Morazan	Es	610	10.000	2811.2	2818.3	199.7	15.9	25.3	36.3	.0	.0	4.21	229.0	68.3	2.077	2464.5g	71.9 2392.6
YSS-230		Morazan	Es	610	10.000	2811.3	2818.4	199.7	16.0	25.3	36.3	.0	.0	4.21	230.0	69.2	2.017	2392.8g	71.9 2320.9
YSS-231		Morazan	Es	610	10.000	2811.6	2818.7	199.7	16.0	25.3	36.3	.0	.0	4.21	231.0	70.4	1.936	2298.1g	71.9 2226.2
YSS-232		Morazan	Es	610	10.000	2811.9	2819.0	199.8	16.0	25.3	36.3	.0	.0	4.21	232.0	71.6	1.859	2207.6g	71.9 2135.7
YSS-233		Morazan	Es	610	10.000	2812.1	2819.2	199.8	16.1	25.3	36.3	.0	.0	4.21	233.0	72.9	1.787	2122.0g	71.9 2050.1
YSS-234		Morazan	Es	610	10.000	2812.3	2819.4	199.8	16.1	25.3	36.3	.0	.0	4.21	234.0	74.1	1.718	2041.0g	71.9 1969.1
YSS-235		Morazan	Es	610	10.000	2812.4	2819.6	199.9	16.1	25.3	36.3	.0	.0	4.21	235.0	75.3	1.653	1964.1g	71.9 1892.2
YSS-236		Morazan	Es	610	10.000	2812.6	2819.7	199.9	16.1	25.3	36.3	.0	.0	4.21	236.0	76.5	1.591	1890.4g	71.9 1818.6
YSS-237		Morazan	Es	610	10.000	2812.6	2819.7	199.9	16.2	25.3	36.3	.0	.0	4.21	237.0	77.7	1.532	1820.6g	71.9 1748.7
YSS-238		Morazan	Es	610	10.000	2812.6	2819.7	200.0	16.2	25.3	36.3	.0	.0	4.21	238.0	78.9	1.477	1754.3g	71.9 1682.4
YSS-239		Morazan	Es	610	10.000	2812.6	2819.7	200.0	16.2	25.3	36.3	.0	.0	4.21	239.0	80.2	1.424	1691.3g	71.9 1619.4
YSS-240		Morazan	Es	610	10.000	2813.0	2820.1	200.1	16.3	25.3	36.3	.0	.0	4.21	240.0	82.0	1.347	1600.4g	71.9 1528.6
YSS-241		Morazan	Es	610	10.000	2813.4	2820.5	200.1	16.3	25.3	36.3	.0	.0	4.21	241.0	83.9	1.275	1515.4g	71.8 1443.6
YSS-242		Morazan	Es	610	10.000	2813.6	2820.7	200.2	16.4	25.3	36.3	.0	.0	4.20	242.0	85.8	1.208	1436.6g	71.8 1364.8
YSS-243		Morazan	Es	610	10.000	2813.9	2821.0	200.2	16.4	25.3	36.3	.0	.0	4.20	243.0	87.7	1.146	1363.4g	71.8 1291.5
YSS-244		Morazan	Es	610	10.000	2814.0	2821.1	200.3	16.4	25.3	36.3	.0	.0	4.20	244.0	89.6	1.088	1294.6g	71.8 1222.8
YSS-245		Morazan	Es	610	10.000	2813.8	2820.9	200.3	16.5	25.3	36.3	.0	.0	4.20	245.0	90.9	1.049	1247.4g	71.8 1175.6
YSS-246		Morazan	Es	610	10.000	2813.4	2820.5	200.4	16.5	25.3	36.3	.0	.0	4.21	246.0	92.2	1.013	1204.6g	71.8 1132.8
YSS-247		Morazan	Es	610	10.000	2813.0	2820.1	200.4	16.5	25.3	36.4	.0	.0	4.21	247.0	93.5	.979	1163.8g	71.8 1092.0
YSS-248		Morazan	Es	610	10.000	2812.6	2819.7	200.4	16.6	25.3	36.4	.0	.0	4.21	248.0	94.8	.947	1125.0g	71.8 1053.2
YSS-249		Morazan	Es	610	10.000	2811.8	2818.9	200.5	16.6	25.4	36.4	.0	.0	4.21	249.0	95.8	.925	1098.0g	71.8 1026.2
YSS-250		Morazan	Es	610	10.000	2810.4	2817.5	200.5	16.6	25.4	36.4	.0	.0	4.22	250.0	95.6	.929	1101.7g	71.8 1029.9
YSS-251		Morazan	Es	610	10.000	2809.7	2816.8	200.5	16.7	25.4	36.4	.0	.0	4.22	251.0	96.6	.905	1072.5g	71.8 1000.8
YSS-252		Morazan	Es	610	10.000	2809.4	2816.5	200.6	16.7	25.4	36.4	.0	.0	4.22	252.0	98.5	.864	1023.4g	71.8 951.6
YSS-253		Morazan	Es	610	10.000	2809.0	2816.1	200.6	16.7	25.4	36.4	.0	.0	4.22	253.0	100.4	.825	977.2g	71.8 905.4
YSS-254		Morazan	Es	610	10.000	2808.6	2815.7	200.7	16.8	25.4	36.4	.0	.0	4.22	254.0	102.3	.788	933.2g	71.8 861.4
YSS-255		Morazan	Es	610	10.000	2808.0	2815.2	200.7	16.8	25.4	36.4	.0	.0	4.23	255.0	104.1	.754	891.8g	71.7 820.1
YSS-256		Morazan	Es	610	10.000	2807.7	2814.8	200.8	16.9	25.4	36.4	.0	.0	4.23	256.0	106.5	.713	843.4g	71.7 771.6
YSS-257		Morazan	Es	610	10.000	2807.4	2814.5	200.9	16.9	25.4	36.4	.0	.0	4.23	257.0	109.0	.673	796.3g	71.7 724.6
YSS-258		Morazan	Es	610	10.000	2806.9	2814.1	200.9	17.0	25.4	36.4	.0	.0	4.23	258.0	111.5	.670	792.2s	71.7 720.5
YSS-259		Morazan	Es	610	10.000	2806.4	2813.5	201.0	17.0	25.4	36.4	.0	.0	4.23	259.0	114.0	.667	788.5s	71.7 716.8
YSS-260		Morazan	Es	610	10.000	2805.8	2812.9	201.1	17.1	25.4	36.4	.0	.0	4.23	260.0	116.5	.664	784.4s	71.7 712.7
YSS-261		Morazan	Es	610	10.000	2805.3	2812.5	201.2	17.2	25.4	36.4	.0	.0	4.24	261.0	119.6	.660	778.9s	71.7 707.3

Dataworld, Inc.
Bethesda, MD

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)							
YSS-262		Morazan	Es	610	10.000	2804.6	2811.7	201.2	17.2	25.4	36.4	.0	.0	4.24	262.0	122.1	.656	773.7s	71.7	702.0
YSS-263		Morazan	Es	610	10.000	2803.8	2811.0	201.3	17.3	25.4	36.4	.0	.0	4.24	263.0	125.0	.651	767.5s	71.6	695.8
YSS-264		Morazan	Es	610	10.000	2803.3	2810.4	201.4	17.4	25.5	36.4	.0	.0	4.24	264.0	128.6	.646	761.4s	71.6	689.8
YSS-265		Morazan	Es	610	10.000	2803.1	2810.2	201.5	17.4	25.5	36.5	.0	.0	4.24	265.0	133.4	.639	752.8s	71.6	681.2
YSS-266		Morazan	Es	610	10.000	2804.3	2811.4	201.7	17.6	25.5	36.5	.0	.0	4.24	266.0	142.5	.626	738.3s	71.6	666.8
YSS-267		Morazan	Es	610	10.000	2807.8	2814.9	202.0	17.9	25.5	36.5	.0	.0	4.23	267.0	158.6	.612	724.1s	71.5	652.7
YSS-268		Morazan	Es	610	10.000	2809.8	2816.9	202.3	18.1	25.5	36.5	.0	.0	4.22	268.0	171.9	.602	713.3s	71.3	641.9
YSS-269		Morazan	Es	610	10.000	2813.6	2820.7	202.7	18.4	25.5	36.5	.0	.0	4.21	269.0	191.5	.591	703.1s	71.1	631.9
YSS-270		Morazan	Es	610	10.000	2810.7	2817.8	202.8	18.5	25.5	36.5	.0	.0	4.22	270.0	192.3	.591	700.8s	71.1	629.6
YSS-271		Morazan	Es	610	10.000	2808.1	2815.3	202.8	18.5	25.5	36.5	.0	.0	4.23	271.0	194.4	.590	697.8s	71.1	626.7
YSS-272		Morazan	Es	610	10.000	2806.4	2813.6	203.0	18.6	25.6	36.5	.0	.0	4.23	272.0	199.6	.587	693.9s	71.0	622.9
YSS-273		Morazan	Es	610	10.000	2805.3	2812.4	203.1	18.8	25.6	36.5	.0	.0	4.24	273.0	207.4	.583	688.1s	70.9	617.2
YSS-274		Morazan	Es	610	10.000	2803.5	2810.6	203.3	18.9	25.6	36.6	.0	.0	4.24	274.0	213.8	.580	683.0s	70.8	612.3
YSS-275		Morazan	Es	610	10.000	2801.9	2809.0	203.5	19.0	25.6	36.6	.0	.0	4.25	275.0	221.9	.574	676.1s	70.6	605.4
YSS-276		Morazan	Es	610	10.000	2798.5	2805.6	203.5	19.1	25.6	36.6	.0	.0	4.26	276.0	223.3	.573	672.4s	70.6	601.9
YSS-277		Morazan	Es	610	10.000	2794.7	2801.8	203.5	19.1	25.6	36.6	.0	.0	4.28	277.0	223.5	.573	670.1s	70.6	599.6
YSS-278		Morazan	Es	610	10.000	2790.7	2797.9	203.5	19.1	25.7	36.6	.0	.0	4.29	278.0	222.6	.573	668.2s	70.6	597.6
YSS-279		Morazan	Es	610	10.000	2786.6	2793.7	203.5	19.1	25.7	36.6	.0	.0	4.30	279.0	220.8	.575	668.1s	70.6	597.5
YSS-280		Morazan	Es	610	10.000	2782.4	2789.5	203.5	19.1	25.7	36.7	.0	.0	4.32	280.0	218.3	.577	667.6s	70.6	597.0
YSS-281		Morazan	Es	610	10.000	2778.2	2785.4	203.4	19.0	25.7	36.7	.0	.0	4.34	281.0	215.7	.578	667.1s	70.6	596.5
YSS-282		Morazan	Es	610	10.000	2774.1	2781.3	203.4	19.0	25.7	36.7	.0	.0	4.35	282.0	212.8	.580	666.7s	70.7	596.0
YSS-283		Morazan	Es	610	10.000	2770.1	2777.3	203.3	19.0	25.7	36.7	.0	.0	4.37	283.0	209.9	.582	666.2s	70.7	595.5
YSS-284		Morazan	Es	610	10.000	2766.2	2773.4	203.3	18.9	25.7	36.7	.0	.0	4.38	284.0	207.0	.583	665.7s	70.8	594.9
YSS-285		Morazan	Es	610	10.000	2762.3	2769.6	203.2	18.9	25.8	36.7	.0	.0	4.39	285.0	203.7	.585	665.2s	70.8	594.4
YSS-286		Morazan	Es	610	10.000	2758.0	2765.3	202.9	18.6	25.8	36.7	.0	.0	4.41	286.0	189.8	.592	671.3s	71.0	600.2
YSS-287		Morazan	Es	610	10.000	2754.8	2762.0	203.0	18.7	25.8	36.7	.0	.0	4.42	287.0	190.9	.592	668.8s	71.0	597.7
YSS-288		Morazan	Es	610	10.000	2751.4	2758.7	202.9	18.7	25.8	36.8	.0	.0	4.44	288.0	190.6	.592	667.0s	71.0	596.0
YSS-289		Morazan	Es	610	10.000	2748.1	2755.4	202.9	18.6	25.8	36.8	.0	.0	4.45	289.0	190.1	.592	665.4s	71.0	594.4
YSS-290		Morazan	Es	610	10.000	2744.8	2752.1	202.9	18.6	25.8	36.8	.0	.0	4.46	290.0	188.9	.593	664.2s	71.0	593.2
YSS-291		Morazan	Es	610	10.000	2741.6	2748.8	202.9	18.6	25.8	36.8	.0	.0	4.47	291.0	187.2	.593	663.3s	71.1	592.2
YSS-292		Morazan	Es	610	10.000	2738.4	2745.7	202.8	18.6	25.8	36.8	.0	.0	4.49	292.0	185.0	.595	662.9s	71.1	591.8
YSS-293		Morazan	Es	610	10.000	2735.6	2742.9	202.7	18.5	25.8	36.8	.0	.0	4.50	293.0	179.0	.597	664.3s	71.2	593.2
YSS-294		Morazan	Es	610	10.000	2732.8	2740.1	202.6	18.4	25.8	36.8	.0	.0	4.51	294.0	176.2	.598	663.9s	71.2	592.7
YSS-295		Morazan	Es	610	10.000	2729.8	2737.1	202.6	18.4	25.8	36.8	.0	.0	4.52	295.0	175.0	.599	662.6s	71.2	591.4
YSS-296		Morazan	Es	610	10.000	2726.4	2733.7	202.6	18.4	25.9	36.9	.0	.0	4.53	296.0	178.1	.598	659.5s	71.2	588.4

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)	
YSS-297		Morazan	Es	610	10.000	2722.2	2729.6	202.8	18.6	25.9	36.9	.0	.0	4.55	297.0	185.9	.594	653.2s	71.1	582.1
YSS-298		Morazan	Es	610	10.000	2718.8	2726.2	202.8	18.6	25.9	36.9	.0	.0	4.56	298.0	187.3	.593	650.5s	71.1	579.4
YSS-299		Morazan	Es	610	10.000	2715.4	2722.8	202.8	18.6	25.9	36.9	.0	.0	4.57	299.0	188.1	.593	648.2s	71.1	577.1
YSS-300		Morazan	Es	610	10.000	2712.4	2719.8	202.8	18.6	25.9	36.9	.0	.0	4.59	300.0	186.9	.594	647.1s	71.1	576.0
YSS-301		Morazan	Es	610	10.000	2710.3	2717.7	202.7	18.5	25.9	36.9	.0	.0	4.59	301.0	181.8	.596	648.9s	71.2	577.7
YSS-302		Morazan	Es	610	10.000	2708.7	2716.1	202.5	18.3	25.9	36.9	.0	.0	4.60	302.0	175.5	.599	650.6s	71.2	579.4
YSS-303		Morazan	Es	610	10.000	2706.5	2713.9	202.4	18.3	25.9	36.9	.0	.0	4.61	303.0	172.4	.601	652.5s	71.3	581.2
YSS-304		Morazan	Es	610	10.000	2704.4	2711.8	202.4	18.2	25.9	36.9	.0	.0	4.62	304.0	169.3	.604	654.4s	71.3	583.1
YSS-304		Morazan	Es	610	10.000	2704.8	2712.1	202.3	18.2	25.9	36.9	.0	.0	4.62	304.0	167.9	.606	655.9s	71.3	584.6
YSS-304		Morazan	Es	610	10.000	2705.9	2713.3	202.2	18.1	25.9	36.9	.0	.0	4.61	304.0	163.6	.609	660.4s	71.4	589.0
YSS-304		Morazan	Es	610	10.000	2736.3	2743.6	200.0	16.3	25.6	36.7	.0	.0	4.49	304.0	57.3	3.104	3454.3g	71.9	3382.5
YSS-304		Morazan	Es	610	10.000	2737.2	2744.5	200.0	16.2	25.6	36.7	.0	.0	4.49	304.0	54.2	3.518	3918.1g	71.9	3846.3
YSS-305		Morazan	Es	610	10.000	2705.6	2713.0	202.0	18.0	25.9	36.9	.0	.0	4.61	305.0	155.2	.614	665.3s	71.4	593.8
YSS-305		Morazan	Es	610	10.000	2716.1	2723.5	201.3	17.3	25.8	36.8	.0	.0	4.57	305.0	119.3	.660	722.2s	71.6	650.6
YSS-305		Morazan	Es	610	10.000	2716.3	2723.6	201.3	17.3	25.8	36.8	.0	.0	4.57	305.0	118.9	.661	723.0s	71.6	651.3
YSS-305		Morazan	Es	610	10.000	2721.1	2728.5	201.0	17.1	25.8	36.8	.0	.0	4.55	305.0	102.8	.779	855.6g	71.7	783.9
YSS-305		Morazan	Es	610	10.000	2722.1	2729.4	200.9	17.0	25.8	36.8	.0	.0	4.55	305.0	99.7	.840	923.3g	71.7	851.6
YSS-305		Morazan	Es	610	10.000	2735.0	2742.3	200.0	16.3	25.7	36.7	.0	.0	4.50	305.0	58.4	2.974	3305.7g	71.9	3233.9
YSS-305		Morazan	Es	610	10.000	2736.5	2743.8	199.9	16.2	25.6	36.7	.0	.0	4.49	305.0	53.6	3.599	4005.1g	71.9	3933.3
YSS-306		Morazan	Es	610	10.000	2707.4	2714.8	201.7	17.7	25.9	36.9	.0	.0	4.61	306.0	140.9	.628	681.9s	71.5	610.3
YSS-306		Morazan	Es	610	10.000	2713.5	2720.8	201.3	17.4	25.8	36.8	.0	.0	4.58	306.0	121.4	.657	717.0s	71.6	645.4
YSS-306		Morazan	Es	610	10.000	2714.8	2722.1	201.2	17.3	25.8	36.8	.0	.0	4.58	306.0	117.4	.663	724.3s	71.7	652.7
YSS-306		Morazan	Es	610	10.000	2718.6	2726.0	201.0	17.1	25.8	36.8	.0	.0	4.56	306.0	105.2	.735	805.9g	71.7	734.2
YSS-306		Morazan	Es	610	10.000	2720.5	2727.8	200.9	17.0	25.8	36.8	.0	.0	4.55	306.0	99.4	.844	927.1g	71.7	855.4
YSS-306		Morazan	Es	610	10.000	2724.4	2731.7	200.6	16.8	25.7	36.7	.0	.0	4.54	306.0	87.4	1.154	1271.5g	71.8	1199.7
YSS-306		Morazan	Es	610	10.000	2725.3	2732.7	200.6	16.7	25.7	36.7	.0	.0	4.54	306.0	84.6	1.252	1379.9g	71.8	1308.1
YSS-306		Morazan	Es	610	10.000	2733.6	2740.9	200.1	16.3	25.7	36.7	.0	.0	4.50	306.0	59.5	2.852	3166.0g	71.9	3094.1
YSS-306		Morazan	Es	610	10.000	2735.8	2743.1	199.9	16.2	25.6	36.7	.0	.0	4.50	306.0	53.1	3.682	4095.1g	71.9	4023.2
YSS-307		Morazan	Es	610	10.000	2705.9	2713.2	201.7	17.6	25.9	36.9	.0	.0	4.61	307.0	138.4	.631	684.2s	71.6	612.6
YSS-307		Morazan	Es	610	10.000	2709.9	2717.3	201.4	17.4	25.9	36.9	.0	.0	4.60	307.0	126.1	.650	706.8s	71.6	635.2
YSS-307		Morazan	Es	610	10.000	2713.6	2721.0	201.2	17.2	25.8	36.8	.0	.0	4.58	307.0	114.9	.666	727.2s	71.7	655.5
YSS-307		Morazan	Es	610	10.000	2715.2	2722.5	201.1	17.2	25.8	36.8	.0	.0	4.57	307.0	110.4	.671	733.5s	71.7	661.9
YSS-307		Morazan	Es	610	10.000	2718.9	2726.3	200.9	17.0	25.8	36.8	.0	.0	4.56	307.0	99.3	.848	929.2g	71.7	857.5
YSS-307		Morazan	Es	610	10.000	2722.3	2729.6	200.7	16.8	25.7	36.8	.0	.0	4.55	307.0	89.5	1.092	1200.5g	71.8	1128.8
YSS-307		Morazan	Es	610	10.000	2725.6	2732.9	200.5	16.7	25.7	36.7	.0	.0	4.53	307.0	79.8	1.438	1585.6g	71.8	1513.8

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
YSS-307		Morazan	Es	610	10.000	2732.3	2739.6	200.1 16.3	25.7 36.7	.0 .0	4.51	307.0	60.6	2.736	3034.4g	71.9	2962.5
YSS-307		Morazan	Es	610	10.000	2735.1	2742.4	199.9 16.2	25.6 36.7	.0 .0	4.50	307.0	52.5	3.767	4187.6g	71.9	4115.7
YSS-308		Morazan	Es	610	10.000	2704.5	2711.8	201.6 17.6	25.9 36.9	.0 .0	4.62	308.0	135.9	.635	687.4s	71.6	615.9
YSS-308		Morazan	Es	610	10.000	2705.8	2713.2	201.5 17.5	25.9 36.9	.0 .0	4.61	308.0	132.0	.641	695.2s	71.6	623.6
YSS-308		Morazan	Es	610	10.000	2717.3	2724.7	200.8 17.0	25.8 36.8	.0 .0	4.57	308.0	99.1	.851	931.4g	71.7	859.7
YSS-308		Morazan	Es	610	10.000	2720.1	2727.4	200.7 16.8	25.8 36.8	.0 .0	4.56	308.0	91.5	1.034	1134.9g	71.8	1063.1
YSS-308		Morazan	Es	610	10.000	2725.1	2732.4	200.4 16.6	25.7 36.7	.0 .0	4.54	308.0	77.6	1.540	1697.7g	71.8	1625.9
YSS-308		Morazan	Es	610	10.000	2731.0	2738.3	200.1 16.3	25.7 36.7	.0 .0	4.51	308.0	61.5	2.648	2932.7g	71.8	2860.9
YSS-308		Morazan	Es	610	10.000	2734.5	2741.8	199.9 16.2	25.6 36.7	.0 .0	4.50	308.0	52.0	3.848	4275.6g	71.9	4203.7
YSS-309		Morazan	Es	610	10.000	2716.3	2723.7	200.8 16.9	25.8 36.8	.0 .0	4.57	309.0	97.5	.885	968.1g	71.7	896.4
YSS-309		Morazan	Es	610	10.000	2716.5	2723.8	200.8 16.9	25.8 36.8	.0 .0	4.57	309.0	97.1	.895	978.9g	71.7	907.2
YSS-309		Morazan	Es	610	10.000	2724.9	2732.2	200.3 16.6	25.7 36.7	.0 .0	4.54	309.0	74.8	1.681	1852.3g	71.8	1780.5
YSS-309		Morazan	Es	610	10.000	2729.7	2737.0	200.1 16.4	25.7 36.7	.0 .0	4.52	309.0	62.3	2.573	2847.4g	71.8	2775.6
YSS-309		Morazan	Es	610	10.000	2733.8	2741.1	199.9 16.2	25.6 36.7	.0 .0	4.50	309.0	51.6	3.913	4344.4g	71.9	4272.6
YSS-310		Morazan	Es	610	10.000	2724.8	2732.1	200.3 16.5	25.7 36.7	.0 .0	4.54	310.0	72.0	1.838	2025.7g	71.8	1953.9
YSS-310		Morazan	Es	610	10.000	2728.4	2735.7	200.1 16.4	25.7 36.7	.0 .0	4.52	310.0	63.0	2.502	2765.5g	71.8	2693.6
YSS-310		Morazan	Es	610	10.000	2733.1	2740.4	199.9 16.2	25.6 36.7	.0 .0	4.51	310.0	51.2	3.979	4415.0g	71.9	4343.2
YSS-311		Morazan	Es	610	10.000	2724.8	2732.1	200.2 16.4	25.7 36.7	.0 .0	4.54	311.0	69.2	2.017	2222.4g	71.8	2150.6
YSS-311		Morazan	Es	610	10.000	2727.0	2734.4	200.1 16.4	25.7 36.7	.0 .0	4.53	311.0	63.8	2.434	2686.8g	71.8	2615.0
YSS-311		Morazan	Es	610	10.000	2732.4	2739.8	199.8 16.2	25.7 36.7	.0 .0	4.51	311.0	50.8	4.046	4487.5g	71.9	4415.6
YSS-312		Morazan	Es	610	10.000	2724.9	2732.2	200.1 16.4	25.7 36.7	.0 .0	4.54	312.0	66.4	2.219	2445.9g	71.8	2374.0
YSS-312		Morazan	Es	610	10.000	2725.1	2732.4	200.1 16.4	25.7 36.7	.0 .0	4.54	312.0	65.9	2.258	2488.7g	71.8	2416.9
YSS-312		Morazan	Es	610	10.000	2732.0	2739.3	199.8 16.1	25.7 36.7	.0 .0	4.51	312.0	49.9	4.205	4661.9g	71.9	4590.0
YSS-313		Morazan	Es	610	10.000	2731.7	2739.0	199.8 16.1	25.7 36.7	.0 .0	4.51	313.0	48.9	4.406	4883.6g	71.9	4811.7
YSS-314		Morazan	Es	610	10.000	2732.3	2739.6	199.7 16.1	25.6 36.7	.0 .0	4.51	314.0	46.0	5.015	5562.2g	71.9	5490.2
YSS-315		Morazan	Es	610	10.000	2731.9	2739.2	199.7 16.0	25.6 36.7	.0 .0	4.51	315.0	45.5	5.137	5695.1g	71.9	5623.2
YSS-316		Morazan	Es	610	10.000	2731.2	2738.5	199.7 16.0	25.6 36.7	.0 .0	4.51	316.0	45.4	5.158	5715.1g	71.9	5643.2
YSS-317		Morazan	Es	610	10.000	2730.6	2738.0	199.7 16.0	25.6 36.7	.0 .0	4.52	317.0	45.2	5.204	5762.7g	71.9	5690.8
YSS-318		Morazan	Es	610	10.000	2730.1	2737.4	199.7 16.0	25.7 36.7	.0 .0	4.52	318.0	45.0	5.250	5811.0g	71.9	5739.1
YSS-319		Morazan	Es	610	10.000	2729.5	2736.8	199.7 16.0	25.7 36.7	.0 .0	4.52	319.0	44.8	5.297	5860.0g	71.9	5788.0
YSS-320		Morazan	Es	610	10.000	2729.0	2736.3	199.6 16.0	25.7 36.7	.0 .0	4.52	320.0	44.6	5.357	5924.0g	71.9	5852.1
YSS-321		Morazan	Es	610	10.000	2728.5	2735.8	199.6 16.0	25.7 36.7	.0 .0	4.52	321.0	44.3	5.429	6001.1g	71.9	5929.2
YSS-322		Morazan	Es	610	10.000	2728.1	2735.4	199.6 16.0	25.7 36.7	.0 .0	4.53	322.0	44.0	5.502	6079.8g	71.9	6007.9
YSS-323		Morazan	Es	610	10.000	2727.6	2734.9	199.6 16.0	25.7 36.7	.0 .0	4.53	323.0	43.7	5.577	6160.1g	71.9	6088.2
YSS-324		Morazan	Es	610	10.000	2727.2	2734.5	199.6 15.9	25.7 36.7	.0 .0	4.53	324.0	43.4	5.653	6242.2g	71.9	6170.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
YSS-325		Morazan	Es	610	10.000	2726.8	2734.1	199.6	15.9	25.7	36.7	.0	.0	4.53	325.0	43.1	5.731	6326.0g	71.9	6254.1
YSS-326		Morazan	Es	610	10.000	2726.4	2733.7	199.6	15.9	25.7	36.7	.0	.0	4.53	326.0	42.8	5.811	6411.6g	71.9	6339.7
YSS-327		Morazan	Es	610	10.000	2726.0	2733.3	199.5	15.9	25.7	36.7	.0	.0	4.53	327.0	42.6	5.892	6499.1g	71.9	6427.1
YSS-328		Morazan	Es	610	10.000	2725.5	2732.8	199.5	15.9	25.7	36.7	.0	.0	4.53	328.0	42.5	5.920	6527.4g	71.9	6455.4
YSS-329		Morazan	Es	610	10.000	2724.7	2732.0	199.5	15.9	25.7	36.7	.0	.0	4.54	329.0	42.8	5.814	6405.9g	72.0	6333.9
YSS-330		Morazan	Es	610	10.000	2723.9	2731.2	199.5	15.9	25.7	36.7	.0	.0	4.54	330.0	43.2	5.711	6287.6g	72.0	6215.7
YSS-331		Morazan	Es	610	10.000	2723.1	2730.4	199.5	15.9	25.7	36.7	.0	.0	4.54	331.0	43.6	5.610	6172.5g	72.0	6100.6
YSS-332		Morazan	Es	610	10.000	2722.3	2729.6	199.5	15.9	25.7	36.7	.0	.0	4.55	332.0	43.9	5.512	6060.4g	72.0	5988.5
YSS-333		Morazan	Es	610	10.000	2721.5	2728.8	199.5	15.9	25.7	36.7	.0	.0	4.55	333.0	44.3	5.416	5951.3g	72.0	5879.3
YSS-334		Morazan	Es	610	10.000	2720.7	2728.0	199.5	15.9	25.7	36.7	.0	.0	4.55	334.0	44.7	5.310	5831.0g	72.0	5759.1
YSS-335		Morazan	Es	610	10.000	2719.8	2727.2	199.5	15.9	25.7	36.7	.0	.0	4.56	335.0	45.2	5.203	5708.5g	72.0	5636.6
YSS-336		Morazan	Es	610	10.000	2719.0	2726.3	199.5	15.9	25.7	36.7	.0	.0	4.56	336.0	45.6	5.098	5589.7g	72.0	5517.7
YSS-337		Morazan	Es	610	10.000	2718.1	2725.5	199.5	15.9	25.7	36.7	.0	.0	4.56	337.0	46.1	4.994	5472.1g	72.0	5400.2
YSS-338		Morazan	Es	610	10.000	2717.3	2724.6	199.5	15.9	25.7	36.7	.0	.0	4.57	338.0	46.5	4.894	5357.8g	72.0	5285.8
YSS-339		Morazan	Es	610	10.000	2716.4	2723.8	199.5	15.8	25.7	36.7	.0	.0	4.57	339.0	47.0	4.796	5246.8g	72.0	5174.9
YSS-340		Morazan	Es	610	10.000	2715.6	2722.9	199.5	15.8	25.7	36.7	.0	.0	4.57	340.0	47.4	4.701	5139.2g	72.0	5067.2
YSS-341		Morazan	Es	610	10.000	2715.1	2722.4	199.4	15.8	25.7	36.7	.0	.0	4.58	341.0	47.4	4.696	5131.8g	72.0	5059.8
YSS-342		Morazan	Es	610	10.000	2715.1	2722.4	199.4	15.8	25.7	36.7	.0	.0	4.58	342.0	46.9	4.817	5264.0g	72.0	5192.0
YSS-343		Morazan	Es	610	10.000	2715.1	2722.4	199.4	15.8	25.7	36.7	.0	.0	4.58	343.0	46.3	4.943	5401.4g	72.0	5329.4
YSS-344		Morazan	Es	610	10.000	2715.1	2722.5	199.4	15.8	25.7	36.7	.0	.0	4.58	344.0	45.7	5.073	5544.3g	72.0	5472.3
YSS-345		Morazan	Es	610	10.000	2715.0	2722.3	199.4	15.8	25.7	36.7	.0	.0	4.58	345.0	45.4	5.145	5621.6g	72.0	5549.6
YSS-346		Morazan	Es	610	10.000	2714.5	2721.9	199.3	15.8	25.7	36.7	.0	.0	4.58	346.0	45.5	5.122	5594.7g	72.0	5522.7
YSS-347		Morazan	Es	610	10.000	2714.0	2721.4	199.3	15.7	25.7	36.7	.0	.0	4.58	347.0	45.6	5.100	5568.0g	72.0	5496.0
YSS-348		Morazan	Es	610	10.000	2713.6	2720.9	199.3	15.7	25.7	36.7	.0	.0	4.58	348.0	45.7	5.077	5541.4g	72.0	5469.4
YSS-349		Morazan	Es	610	10.000	2713.1	2720.5	199.3	15.7	25.7	36.7	.0	.0	4.58	349.0	45.8	5.055	5514.6g	72.0	5442.6
YSS-350		Morazan	Es	610	10.000	2712.7	2720.0	199.3	15.7	25.7	36.7	.0	.0	4.58	350.0	45.9	5.032	5488.0g	72.0	5416.0
YSS-351		Morazan	Es	610	10.000	2712.6	2720.0	199.3	15.7	25.7	36.7	.0	.0	4.58	351.0	45.6	5.101	5562.2g	72.0	5490.2
YSS-352		Morazan	Es	610	10.000	2712.7	2720.0	199.2	15.7	25.7	36.7	.0	.0	4.58	352.0	45.2	5.203	5674.8g	72.0	5602.8
YSS-353		Morazan	Es	610	10.000	2712.8	2720.1	199.2	15.7	25.7	36.7	.0	.0	4.58	353.0	44.7	5.310	5791.0g	72.0	5719.0
YSS-354		Morazan	Es	610	10.000	2712.9	2720.2	199.2	15.6	25.7	36.7	.0	.0	4.58	354.0	44.3	5.419	5910.8g	72.0	5838.7
YSS-355		Morazan	Es	610	10.000	2713.0	2720.4	199.2	15.6	25.7	36.7	.0	.0	4.58	355.0	43.9	5.532	6034.3g	72.0	5962.3
YSS-356		Morazan	Es	610	10.000	2713.2	2720.5	199.2	15.6	25.7	36.7	.0	.0	4.58	356.0	43.4	5.648	6161.9g	72.0	6089.8
YSS-357		Morazan	Es	610	10.000	2713.3	2720.7	199.1	15.6	25.7	36.7	.0	.0	4.58	357.0	43.0	5.768	6293.5g	72.0	6221.5
YSS-358		Morazan	Es	610	10.000	2713.5	2720.9	199.1	15.6	25.7	36.7	.0	.0	4.58	358.0	42.6	5.891	6429.4g	72.0	6357.4
YSS-359		Morazan	Es	610	10.000	2714.1	2721.4	199.1	15.6	25.7	36.7	.0	.0	4.58	359.0	41.8	6.124	6686.9g	72.0	6614.9

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

Call	Auth	City	St	Freq (kHz)	Power (kW)	GC Dist. (km)	Slant Dist. (km)	-- Azimuth ---		Mid-Pt Lat		--- Theta ----		S.W. Mult.	50% Limit (mV/m)	25% Limit (mV/m)	Req'd Prot. (mV/m)	Permis Rad. (mV/m)	Current Rad. (mV/m)	Margin (mV/m)
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)							
	LIC	Miami	FL	610	5.000	1273.5	1289.1	180.5	.5	31.6	42.8	3.6	7.8	31.25	6.615	7.117	1.779	284.7	56.0	228.7
CHAGUANA=5.732; WDAE=3.302; KCSP=1.952; 4VJS=1.754																				
WWTJ	PRM	Pensacola	FL	610	.142	1011.5	1031.1	223.2	39.2	33.9	45.0	5.8	11.0	43.81	15.364	17.796	4.449	507.8	92.6	415.2
WEZN=13.436; WIOD=7.451; KILT=6.098; KCSP=4.773; KARV=4.547																				
WPLO	LIC	Grayson	GA	610	.225	514.4	551.9	224.8	42.5	35.6	46.8	14.5	23.8	114.61	13.939	16.816	4.204	183.4	97.1	86.3
WEZN=13.939; WIOD=5.020; KCSP=4.966; WTVN=4.447; WFNZ=4.339																				
WCEH	LIC	Hawkinsville	GA	610	.126	638.8	669.4	210.1	28.1	34.8	46.0	11.3	19.1	86.16	13.223	14.954	3.739	217.0	45.9	171.1
WEZN=11.245; WIOD=6.958; WTVN=4.334; KCSP=4.092; KILT=3.639																				
TGGA-000		Senorial	Gt	610	5.000	2615.4	2623.0	206.3	21.5	26.6	37.6	.0	.0	5.04	.0	122.9	.500	495.6G	66.0	429.6
TGGA-001		Senorial	Gt	610	5.000	2614.6	2622.3	206.2	21.4	26.6	37.6	.0	.0	5.05	1.0	122.9	.500	495.2G	66.2	429.1
TGGA-002		Senorial	Gt	610	5.000	2613.9	2621.5	206.2	21.4	26.6	37.6	.0	.0	5.05	2.0	122.9	.500	494.9G	66.3	428.6
TGGA-003		Senorial	Gt	610	5.000	2613.2	2620.8	206.1	21.3	26.6	37.6	.0	.0	5.06	3.0	122.9	.500	494.5G	66.4	428.1
TGGA-004		Senorial	Gt	610	5.000	2612.5	2620.2	206.1	21.3	26.6	37.6	.0	.0	5.06	4.0	122.9	.500	494.2G	66.5	427.7
TGGA-005		Senorial	Gt	610	5.000	2611.9	2619.6	206.0	21.3	26.6	37.6	.0	.0	5.06	5.0	122.9	.500	493.9G	66.6	427.3
TGGA-006		Senorial	Gt	610	5.000	2611.3	2619.0	206.0	21.2	26.6	37.6	.0	.0	5.06	6.0	122.9	.500	493.6G	66.7	426.9
TGGA-007		Senorial	Gt	610	5.000	2610.8	2618.5	205.9	21.2	26.6	37.6	.0	.0	5.07	7.0	122.9	.500	493.3G	66.8	426.5
TGGA-008		Senorial	Gt	610	5.000	2610.3	2617.9	205.9	21.2	26.6	37.6	.0	.0	5.07	8.0	122.9	.500	493.1G	66.9	426.1
TGGA-009		Senorial	Gt	610	5.000	2609.8	2617.5	205.9	21.1	26.6	37.6	.0	.0	5.07	9.0	122.9	.500	492.9G	67.0	425.8
TGGA-010		Senorial	Gt	610	5.000	2609.4	2617.1	205.8	21.1	26.6	37.5	.0	.0	5.07	10.0	122.9	.500	492.6G	67.1	425.5
TGGA-011		Senorial	Gt	610	5.000	2609.0	2616.7	205.8	21.0	26.6	37.5	.0	.0	5.08	11.0	122.9	.500	492.4G	67.2	425.2
TGGA-012		Senorial	Gt	610	5.000	2608.7	2616.3	205.7	21.0	26.6	37.5	.0	.0	5.08	12.0	122.9	.500	492.3G	67.4	424.9
TGGA-013		Senorial	Gt	610	5.000	2608.3	2616.0	205.7	21.0	26.6	37.5	.0	.0	5.08	13.0	122.9	.500	492.1G	67.5	424.7
TGGA-014		Senorial	Gt	610	5.000	2608.1	2615.7	205.6	20.9	26.6	37.5	.0	.0	5.08	14.0	122.9	.500	492.0G	67.6	424.4
TGGA-015		Senorial	Gt	610	5.000	2607.8	2615.5	205.6	20.9	26.6	37.5	.0	.0	5.08	15.0	122.9	.500	491.9G	67.7	424.2
TGGA-016		Senorial	Gt	610	5.000	2607.6	2615.3	205.5	20.8	26.6	37.5	.0	.0	5.08	16.0	122.9	.500	491.8G	67.7	424.0
TGGA-017		Senorial	Gt	610	5.000	2607.5	2615.1	205.5	20.8	26.6	37.5	.0	.0	5.08	17.0	122.9	.500	491.7G	67.8	423.8
TGGA-018		Senorial	Gt	610	5.000	2607.4	2615.0	205.4	20.8	26.6	37.5	.0	.0	5.09	18.0	122.9	.500	491.6G	67.9	423.7
TGGA-019		Senorial	Gt	610	5.000	2607.3	2614.9	205.4	20.7	26.6	37.5	.0	.0	5.09	19.0	122.9	.500	491.6G	68.0	423.6
TGGA-020		Senorial	Gt	610	5.000	2607.2	2614.9	205.3	20.7	26.6	37.5	.0	.0	5.09	20.0	122.9	.500	491.6G	68.1	423.4
TGGA-021		Senorial	Gt	610	5.000	2607.2	2614.9	205.3	20.7	26.6	37.5	.0	.0	5.09	21.0	122.9	.500	491.6G	68.2	423.4
TGGA-022		Senorial	Gt	610	5.000	2607.3	2614.9	205.2	20.6	26.6	37.5	.0	.0	5.09	22.0	122.9	.500	491.6G	68.3	423.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
TGGA-023		Senorial	Gt	610	5.000	2607.3	2615.0	205.2	20.6	26.6	37.5	.0	.0	5.09	23.0	122.9	.500	491.6G	68.4	423.2
TGGA-024		Senorial	Gt	610	5.000	2607.5	2615.1	205.1	20.5	26.6	37.5	.0	.0	5.08	24.0	122.9	.500	491.7G	68.5	423.2
TGGA-025		Senorial	Gt	610	5.000	2607.6	2615.3	205.1	20.5	26.5	37.5	.0	.0	5.08	25.0	122.9	.500	491.8G	68.6	423.2
TGGA-026		Senorial	Gt	610	5.000	2607.8	2615.5	205.0	20.5	26.5	37.5	.0	.0	5.08	26.0	122.9	.500	491.9G	68.6	423.2
TGGA-027		Senorial	Gt	610	5.000	2608.0	2615.7	205.0	20.4	26.5	37.5	.0	.0	5.08	27.0	122.9	.500	492.0G	68.7	423.2
TGGA-028		Senorial	Gt	610	5.000	2608.3	2616.0	204.9	20.4	26.5	37.5	.0	.0	5.08	28.0	122.9	.500	492.1G	68.8	423.3
TGGA-029		Senorial	Gt	610	5.000	2608.6	2616.3	204.9	20.3	26.5	37.5	.0	.0	5.08	29.0	122.9	.500	492.3G	68.9	423.4
TGGA-030		Senorial	Gt	610	5.000	2609.0	2616.6	204.8	20.3	26.5	37.5	.0	.0	5.08	30.0	122.9	.500	492.4G	69.0	423.5
TGGA-031		Senorial	Gt	610	5.000	2609.3	2617.0	204.8	20.3	26.5	37.5	.0	.0	5.07	31.0	122.9	.500	492.6G	69.0	423.6
TGGA-032		Senorial	Gt	610	5.000	2609.8	2617.4	204.7	20.2	26.5	37.5	.0	.0	5.07	32.0	122.9	.500	492.8G	69.1	423.7
TGGA-033		Senorial	Gt	610	5.000	2610.2	2617.9	204.7	20.2	26.5	37.5	.0	.0	5.07	33.0	122.9	.500	493.1G	69.2	423.9
TGGA-034		Senorial	Gt	610	5.000	2610.7	2618.4	204.7	20.1	26.5	37.5	.0	.0	5.07	34.0	122.9	.500	493.3G	69.3	424.0
TGGA-035		Senorial	Gt	610	5.000	2611.3	2618.9	204.6	20.1	26.5	37.5	.0	.0	5.07	35.0	122.9	.500	493.6G	69.3	424.2
TGGA-036		Senorial	Gt	610	5.000	2611.9	2619.5	204.6	20.1	26.5	37.5	.0	.0	5.06	36.0	122.9	.500	493.9G	69.4	424.5
TGGA-037		Senorial	Gt	610	5.000	2612.5	2620.1	204.5	20.0	26.5	37.5	.0	.0	5.06	37.0	122.9	.500	494.2G	69.5	424.7
TGGA-038		Senorial	Gt	610	5.000	2613.1	2620.8	204.5	20.0	26.5	37.4	.0	.0	5.06	38.0	122.9	.500	494.5G	69.5	425.0
TGGA-039		Senorial	Gt	610	5.000	2613.8	2621.4	204.4	20.0	26.5	37.4	.0	.0	5.05	39.0	122.9	.500	494.8G	69.6	425.2
TGGA-040		Senorial	Gt	610	5.000	2614.5	2622.2	204.4	19.9	26.5	37.4	.0	.0	5.05	40.0	122.9	.500	495.2G	69.6	425.5
TGGA-041		Senorial	Gt	610	5.000	2615.3	2622.9	204.3	19.9	26.5	37.4	.0	.0	5.04	41.0	122.9	.500	495.6G	69.7	425.9
TGGA-042		Senorial	Gt	610	5.000	2616.1	2623.7	204.3	19.8	26.5	37.4	.0	.0	5.04	42.0	122.9	.500	496.0G	69.8	426.2
TGGA-043		Senorial	Gt	610	5.000	2616.9	2624.6	204.2	19.8	26.4	37.4	.0	.0	5.04	43.0	122.9	.500	496.4G	69.8	426.6
TGGA-044		Senorial	Gt	610	5.000	2617.8	2625.4	204.2	19.8	26.4	37.4	.0	.0	5.03	44.0	122.9	.500	496.8G	69.9	426.9
TGGA-045		Senorial	Gt	610	5.000	2618.7	2626.3	204.2	19.7	26.4	37.4	.0	.0	5.03	45.0	122.9	.500	497.2G	69.9	427.3
TGGA-046		Senorial	Gt	610	5.000	2619.6	2627.3	204.1	19.7	26.4	37.4	.0	.0	5.02	46.0	122.9	.500	497.7G	70.0	427.7
TGGA-047		Senorial	Gt	610	5.000	2620.6	2628.2	204.1	19.7	26.4	37.4	.0	.0	5.02	47.0	122.9	.500	498.2G	70.0	428.2
TGGA-048		Senorial	Gt	610	5.000	2621.6	2629.2	204.0	19.6	26.4	37.4	.0	.0	5.01	48.0	122.9	.500	498.7G	70.1	428.6
TGGA-049		Senorial	Gt	610	5.000	2622.7	2630.3	204.0	19.6	26.4	37.4	.0	.0	5.01	49.0	122.9	.500	499.2G	70.1	429.1
TGGA-050		Senorial	Gt	610	5.000	2623.7	2631.4	203.9	19.6	26.4	37.4	.0	.0	5.00	50.0	122.9	.500	499.8G	70.2	429.6
TGGA-051		Senorial	Gt	610	5.000	2624.9	2632.5	203.9	19.5	26.4	37.4	.0	.0	5.00	51.0	122.9	.500	500.3G	70.2	430.1
TGGA-052		Senorial	Gt	610	5.000	2626.0	2633.6	203.9	19.5	26.4	37.4	.0	.0	4.99	52.0	122.9	.500	500.9G	70.3	430.6
TGGA-053		Senorial	Gt	610	5.000	2627.2	2634.8	203.8	19.4	26.4	37.3	.0	.0	4.99	53.0	122.9	.500	501.5G	70.3	431.2
TGGA-054		Senorial	Gt	610	5.000	2628.4	2636.0	203.8	19.4	26.4	37.3	.0	.0	4.98	54.0	122.9	.500	502.1G	70.3	431.8
TGGA-055		Senorial	Gt	610	5.000	2629.6	2637.2	203.7	19.4	26.4	37.3	.0	.0	4.97	55.0	122.9	.500	502.7G	70.4	432.3
TGGA-056		Senorial	Gt	610	5.000	2630.9	2638.5	203.7	19.4	26.3	37.3	.0	.0	4.97	56.0	122.9	.500	503.4G	70.4	432.9
TGGA-057		Senorial	Gt	610	5.000	2632.2	2639.8	203.7	19.3	26.3	37.3	.0	.0	4.96	57.0	122.9	.500	504.0G	70.4	433.6

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
TGGA-058		Senorial	Gt	610	5.000	2633.5	2641.1	203.6	19.3	26.3	37.3	.0	.0	4.95	58.0	122.9	.500	504.7G	70.5	434.2
TGGA-059		Senorial	Gt	610	5.000	2634.9	2642.5	203.6	19.3	26.3	37.3	.0	.0	4.95	59.0	122.9	.500	505.4G	70.5	434.9
TGGA-060		Senorial	Gt	610	5.000	2636.3	2643.9	203.5	19.2	26.3	37.3	.0	.0	4.94	60.0	122.9	.500	506.1G	70.6	435.5
TGGA-061		Senorial	Gt	610	5.000	2637.7	2645.3	203.5	19.2	26.3	37.3	.0	.0	4.93	61.0	122.9	.500	506.8G	70.6	436.2
TGGA-062		Senorial	Gt	610	5.000	2639.2	2646.7	203.5	19.2	26.3	37.3	.0	.0	4.93	62.0	122.9	.500	507.5G	70.6	436.9
TGGA-063		Senorial	Gt	610	5.000	2640.6	2648.2	203.4	19.1	26.3	37.3	.0	.0	4.92	63.0	122.9	.500	508.3G	70.6	437.7
TGGA-064		Senorial	Gt	610	5.000	2642.1	2649.7	203.4	19.1	26.3	37.3	.0	.0	4.91	64.0	122.9	.500	509.1G	70.7	438.4
TGGA-065		Senorial	Gt	610	5.000	2643.7	2651.2	203.4	19.1	26.3	37.3	.0	.0	4.90	65.0	122.9	.500	509.8G	70.7	439.1
TGGA-066		Senorial	Gt	610	5.000	2645.2	2652.8	203.3	19.1	26.3	37.2	.0	.0	4.90	66.0	122.9	.500	510.6G	70.7	439.9
TGGA-067		Senorial	Gt	610	5.000	2646.8	2654.4	203.3	19.0	26.3	37.2	.0	.0	4.89	67.0	122.9	.500	511.5G	70.8	440.7
TGGA-068		Senorial	Gt	610	5.000	2648.4	2656.0	203.3	19.0	26.2	37.2	.0	.0	4.88	68.0	122.9	.500	512.3G	70.8	441.5
TGGA-069		Senorial	Gt	610	5.000	2650.1	2657.6	203.2	19.0	26.2	37.2	.0	.0	4.87	69.0	122.9	.500	513.1G	70.8	442.3
TGGA-070		Senorial	Gt	610	5.000	2651.7	2659.3	203.2	18.9	26.2	37.2	.0	.0	4.86	70.0	122.9	.500	514.0G	70.8	443.2
TGGA-071		Senorial	Gt	610	5.000	2653.4	2660.9	203.2	18.9	26.2	37.2	.0	.0	4.86	71.0	122.9	.500	514.8G	70.8	444.0
TGGA-072		Senorial	Gt	610	5.000	2655.1	2662.7	203.2	18.9	26.2	37.2	.0	.0	4.85	72.0	122.9	.500	515.7G	70.9	444.9
TGGA-073		Senorial	Gt	610	5.000	2656.9	2664.4	203.1	18.9	26.2	37.2	.0	.0	4.84	73.0	122.9	.500	516.6G	70.9	445.7
TGGA-074		Senorial	Gt	610	5.000	2658.6	2666.1	203.1	18.8	26.2	37.2	.0	.0	4.83	74.0	122.9	.500	517.5G	70.9	446.6
TGGA-075		Senorial	Gt	610	5.000	2660.4	2667.9	203.1	18.8	26.2	37.2	.0	.0	4.82	75.0	122.9	.500	518.5G	70.9	447.5
TGGA-076		Senorial	Gt	610	5.000	2662.2	2669.7	203.1	18.8	26.2	37.2	.0	.0	4.81	76.0	122.9	.500	519.4G	70.9	448.4
TGGA-077		Senorial	Gt	610	5.000	2664.0	2671.5	203.0	18.8	26.2	37.1	.0	.0	4.80	77.0	122.9	.500	520.3G	71.0	449.4
TGGA-078		Senorial	Gt	610	5.000	2665.8	2673.3	203.0	18.8	26.1	37.1	.0	.0	4.80	78.0	122.9	.500	521.3G	71.0	450.3
TGGA-079		Senorial	Gt	610	5.000	2667.7	2675.2	203.0	18.7	26.1	37.1	.0	.0	4.79	79.0	122.9	.500	522.3G	71.0	451.3
TGGA-080		Senorial	Gt	610	5.000	2669.6	2677.1	203.0	18.7	26.1	37.1	.0	.0	4.78	80.0	122.9	.500	523.2G	71.0	452.2
TGGA-081		Senorial	Gt	610	5.000	2671.5	2679.0	202.9	18.7	26.1	37.1	.0	.0	4.77	81.0	122.9	.500	524.2G	71.0	453.2
TGGA-082		Senorial	Gt	610	5.000	2673.4	2680.9	202.9	18.7	26.1	37.1	.0	.0	4.76	82.0	122.9	.500	525.2G	71.0	454.2
TGGA-083		Senorial	Gt	610	5.000	2675.3	2682.8	202.9	18.7	26.1	37.1	.0	.0	4.75	83.0	122.9	.500	526.3G	71.0	455.2
TGGA-084		Senorial	Gt	610	5.000	2677.3	2684.7	202.9	18.6	26.1	37.1	.0	.0	4.74	84.0	122.9	.500	527.3G	71.1	456.2
TGGA-085		Senorial	Gt	610	5.000	2679.2	2686.7	202.9	18.6	26.1	37.1	.0	.0	4.73	85.0	122.9	.500	528.3G	71.1	457.3
TGGA-086		Senorial	Gt	610	5.000	2681.2	2688.6	202.8	18.6	26.1	37.1	.0	.0	4.72	86.0	122.9	.500	529.4G	71.1	458.3
TGGA-087		Senorial	Gt	610	5.000	2683.2	2690.6	202.8	18.6	26.1	37.0	.0	.0	4.71	87.0	122.9	.500	530.4G	71.1	459.3
TGGA-088		Senorial	Gt	610	5.000	2685.2	2692.6	202.8	18.6	26.1	37.0	.0	.0	4.70	88.0	122.9	.500	531.5G	71.1	460.4
TGGA-089		Senorial	Gt	610	5.000	2687.2	2694.6	202.8	18.6	26.0	37.0	.0	.0	4.69	89.0	122.9	.500	532.6G	71.1	461.5
TGGA-090		Senorial	Gt	610	5.000	2689.2	2696.7	202.8	18.6	26.0	37.0	.0	.0	4.68	90.0	122.9	.500	533.7G	71.1	462.5
TGGA-091		Senorial	Gt	610	5.000	2691.3	2698.7	202.8	18.5	26.0	37.0	.0	.0	4.67	91.0	122.9	.500	535.4G	71.1	464.3
TGGA-092		Senorial	Gt	610	5.000	2693.3	2700.8	202.7	18.5	26.0	37.0	.0	.0	4.66	92.0	122.9	.500	536.4G	71.1	465.2

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)	
TGGA-093		Senorial	Gt	610	5.000	2695.4	2702.8	202.7	18.5	26.0	37.0	.0	.0	4.65	93.0	122.9	.500	537.3G	71.1	466.2
TGGA-094		Senorial	Gt	610	5.000	2697.5	2704.9	202.7	18.5	26.0	37.0	.0	.0	4.64	94.0	122.9	.500	538.3G	71.1	467.1
TGGA-095		Senorial	Gt	610	5.000	2699.6	2707.0	202.7	18.5	26.0	37.0	.0	.0	4.64	95.0	122.9	.500	539.2G	71.2	468.1
TGGA-096		Senorial	Gt	610	5.000	2701.6	2709.0	202.7	18.5	26.0	37.0	.0	.0	4.63	96.0	122.9	.500	540.2G	71.2	469.0
TGGA-097		Senorial	Gt	610	5.000	2703.7	2711.1	202.7	18.5	26.0	37.0	.0	.0	4.62	97.0	122.9	.500	541.2G	71.2	470.0
TGGA-098		Senorial	Gt	610	5.000	2705.9	2713.2	202.7	18.5	26.0	36.9	.0	.0	4.61	98.0	122.9	.500	542.1G	71.2	471.0
TGGA-099		Senorial	Gt	610	5.000	2708.0	2715.3	202.7	18.5	25.9	36.9	.0	.0	4.60	99.0	122.9	.500	543.1G	71.2	471.9
TGGA-100		Senorial	Gt	610	5.000	2710.1	2717.5	202.7	18.4	25.9	36.9	.0	.0	4.59	100.0	122.9	.500	544.1G	71.2	472.9
TGGA-108		Senorial	Gt	610	5.000	2727.2	2734.5	202.6	18.4	25.9	36.8	.0	.0	4.53	108.0	122.9	.500	552.1G	71.2	480.9
TGGA-109		Senorial	Gt	610	5.000	2729.3	2736.6	202.6	18.4	25.9	36.8	.0	.0	4.52	109.0	122.9	.500	553.1G	71.2	481.9
TGGA-110		Senorial	Gt	610	5.000	2731.5	2738.8	202.6	18.4	25.8	36.8	.0	.0	4.51	110.0	122.9	.500	554.1G	71.2	482.9
TGGA-126		Senorial	Gt	610	5.000	2759.6	2766.8	203.1	18.8	25.8	36.7	.0	.0	4.41	126.0	104.4	.529	601.0g	70.9	530.1
TGGA-127		Senorial	Gt	610	5.000	2760.8	2768.1	203.2	18.8	25.8	36.7	.0	.0	4.40	127.0	102.8	.550	625.2g	70.9	554.4
TGGA-128		Senorial	Gt	610	5.000	2762.2	2769.4	203.2	18.9	25.8	36.7	.0	.0	4.40	128.0	101.9	.563	640.0g	70.8	569.2
TGGA-129		Senorial	Gt	610	5.000	2763.6	2770.8	203.2	18.9	25.8	36.7	.0	.0	4.39	129.0	101.0	.575	655.1g	70.8	584.3
TGGA-130		Senorial	Gt	610	5.000	2765.2	2772.4	203.3	18.9	25.7	36.7	.0	.0	4.38	130.0	100.8	.578	658.9g	70.8	588.1
TGGA-131		Senorial	Gt	610	5.000	2766.7	2773.9	203.3	18.9	25.7	36.7	.0	.0	4.38	131.0	100.6	.580	662.8g	70.8	592.0
TGGA-132		Senorial	Gt	610	5.000	2768.3	2775.5	203.3	18.9	25.7	36.7	.0	.0	4.37	132.0	100.4	.583	666.7g	70.8	595.9
TGGA-133		Senorial	Gt	610	5.000	2769.8	2777.0	203.3	18.9	25.7	36.7	.0	.0	4.37	133.0	100.2	.586	670.6g	70.7	599.8
TGGA-134		Senorial	Gt	610	5.000	2771.3	2778.5	203.3	18.9	25.7	36.7	.0	.0	4.36	134.0	100.0	.588	674.5g	70.7	603.7
TGGA-135		Senorial	Gt	610	5.000	2772.8	2780.0	203.4	19.0	25.7	36.7	.0	.0	4.36	135.0	99.9	.591	678.4g	70.7	607.6
TGGA-136		Senorial	Gt	610	5.000	2774.3	2781.5	203.4	19.0	25.7	36.7	.0	.0	4.35	136.0	99.7	.594	682.3g	70.7	611.6
TGGA-137		Senorial	Gt	610	5.000	2775.7	2782.9	203.4	19.0	25.7	36.7	.0	.0	4.34	137.0	99.5	.596	686.2g	70.7	615.5
TGGA-138		Senorial	Gt	610	5.000	2777.2	2784.3	203.4	19.0	25.7	36.7	.0	.0	4.34	138.0	99.3	.599	690.1g	70.7	619.4
TGGA-139		Senorial	Gt	610	5.000	2778.6	2785.8	203.4	19.0	25.7	36.7	.0	.0	4.33	139.0	99.1	.602	694.0g	70.6	623.4
TGGA-140		Senorial	Gt	610	5.000	2780.1	2787.3	203.5	19.0	25.7	36.7	.0	.0	4.33	140.0	99.2	.601	693.8g	70.6	623.2
TGGA-141		Senorial	Gt	610	5.000	2781.7	2788.9	203.5	19.0	25.7	36.7	.0	.0	4.32	141.0	99.5	.596	689.5g	70.6	618.8
TGGA-142		Senorial	Gt	610	5.000	2783.4	2790.5	203.5	19.1	25.7	36.7	.0	.0	4.32	142.0	99.8	.592	685.2g	70.6	614.5
TGGA-143		Senorial	Gt	610	5.000	2785.0	2792.2	203.5	19.1	25.7	36.7	.0	.0	4.31	143.0	100.1	.587	680.9g	70.6	610.3
TGGA-144		Senorial	Gt	610	5.000	2786.6	2793.8	203.5	19.1	25.7	36.6	.0	.0	4.30	144.0	100.5	.582	676.5g	70.6	606.0
TGGA-145		Senorial	Gt	610	5.000	2788.2	2795.4	203.5	19.1	25.7	36.6	.0	.0	4.30	145.0	100.8	.578	672.3g	70.6	601.7
TGGA-146		Senorial	Gt	610	5.000	2790.2	2797.3	203.5	19.1	25.7	36.6	.0	.0	4.29	146.0	101.6	.566	659.2g	70.6	588.6
TGGA-147		Senorial	Gt	610	5.000	2792.4	2799.5	203.5	19.1	25.7	36.6	.0	.0	4.28	147.0	102.9	.548	639.9g	70.6	569.3
TGGA-148		Senorial	Gt	610	5.000	2794.7	2801.8	203.5	19.1	25.6	36.6	.0	.0	4.28	148.0	104.4	.530	619.4g	70.6	548.9
TGGA-149		Senorial	Gt	610	5.000	2797.6	2804.8	203.5	19.1	25.6	36.6	.0	.0	4.26	149.0	106.7	.501	587.8g	70.6	517.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)	
TGGA-153		Senorial	Gt	610	5.000	2802.2	2809.3	203.7	19.2	25.6	36.6	.0	.0	4.25	153.0	105.3	.518	610.1g	70.5	539.6
TGGA-154		Senorial	Gt	610	5.000	2801.9	2809.1	203.7	19.2	25.6	36.6	.0	.0	4.25	154.0	103.1	.546	642.5g	70.4	572.1
TGGA-155		Senorial	Gt	610	5.000	2801.6	2808.7	203.8	19.3	25.6	36.6	.0	.0	4.25	155.0	100.9	.576	677.5g	70.3	607.1
TGGA-156		Senorial	Gt	610	5.000	2801.4	2808.5	203.8	19.3	25.6	36.6	.0	.0	4.25	156.0	98.9	.605	711.4g	70.3	641.1
TGGA-157		Senorial	Gt	610	5.000	2801.3	2808.5	203.9	19.4	25.6	36.6	.0	.0	4.25	157.0	97.3	.630	740.6g	70.2	670.4
TGGA-158		Senorial	Gt	610	5.000	2801.2	2808.4	203.9	19.4	25.6	36.6	.0	.0	4.25	158.0	95.7	.656	771.6g	70.2	701.4
TGGA-159		Senorial	Gt	610	5.000	2801.1	2808.2	204.0	19.4	25.7	36.6	.0	.0	4.25	159.0	94.0	.684	804.3g	70.1	734.2
TGGA-160		Senorial	Gt	610	5.000	2800.9	2808.0	204.0	19.5	25.7	36.6	.0	.0	4.25	160.0	92.4	.714	839.2g	70.1	769.1
TGGA-161		Senorial	Gt	610	5.000	2800.6	2807.7	204.1	19.5	25.7	36.6	.0	.0	4.25	161.0	90.8	.745	876.2g	70.0	806.2
TGGA-162		Senorial	Gt	610	5.000	2800.5	2807.6	204.1	19.6	25.7	36.6	.0	.0	4.25	162.0	89.4	.774	909.7g	70.0	839.8
TGGA-163		Senorial	Gt	610	5.000	2800.4	2807.5	204.2	19.6	25.7	36.6	.0	.0	4.25	163.0	88.1	.801	941.9g	69.9	872.0
TGGA-164		Senorial	Gt	610	5.000	2800.3	2807.4	204.2	19.6	25.7	36.6	.0	.0	4.25	164.0	86.8	.830	975.6g	69.9	905.7
TGGA-165		Senorial	Gt	610	5.000	2800.1	2807.2	204.2	19.7	25.7	36.6	.0	.0	4.26	165.0	85.6	.860	1010.6g	69.8	940.8
TGGA-166		Senorial	Gt	610	5.000	2800.1	2807.3	204.3	19.7	25.7	36.6	.0	.0	4.26	166.0	84.6	.884	1038.8g	69.8	969.0
TGGA-167		Senorial	Gt	610	5.000	2800.1	2807.3	204.3	19.7	25.7	36.6	.0	.0	4.26	167.0	83.6	.909	1068.1g	69.7	998.4
TGGA-168		Senorial	Gt	610	5.000	2800.1	2807.2	204.4	19.7	25.7	36.6	.0	.0	4.26	168.0	82.7	.935	1098.6g	69.7	1028.9
TGGA-169		Senorial	Gt	610	5.000	2800.1	2807.3	204.4	19.8	25.7	36.6	.0	.0	4.26	169.0	81.8	.958	1125.5g	69.6	1055.9
TGGA-170		Senorial	Gt	610	5.000	2800.2	2807.3	204.4	19.8	25.7	36.6	.0	.0	4.26	170.0	81.1	.979	1150.8g	69.6	1081.2
TGGA-171		Senorial	Gt	610	5.000	2800.3	2807.5	204.5	19.8	25.7	36.6	.0	.0	4.25	171.0	80.5	.997	1172.0g	69.5	1102.4
TGGA-172		Senorial	Gt	610	5.000	2800.6	2807.7	204.5	19.9	25.7	36.6	.0	.0	4.25	172.0	80.0	1.013	1190.2g	69.5	1120.7
TGGA-173		Senorial	Gt	610	5.000	2800.7	2807.9	204.5	19.9	25.7	36.6	.0	.0	4.25	173.0	79.5	1.028	1208.8g	69.4	1139.4
TGGA-174		Senorial	Gt	610	5.000	2800.9	2808.0	204.5	19.9	25.7	36.6	.0	.0	4.25	174.0	78.9	1.044	1227.8g	69.4	1158.4
TGGA-175		Senorial	Gt	610	5.000	2801.0	2808.2	204.6	19.9	25.7	36.7	.0	.0	4.25	175.0	78.4	1.061	1247.2g	69.4	1177.8
TGGA-176		Senorial	Gt	610	5.000	2801.1	2808.3	204.6	20.0	25.7	36.7	.0	.0	4.25	176.0	77.9	1.077	1267.0g	69.3	1197.7
TGGA-177		Senorial	Gt	610	5.000	2801.2	2808.3	204.6	20.0	25.7	36.7	.0	.0	4.25	177.0	77.4	1.094	1287.2g	69.3	1217.9
TGGA-178		Senorial	Gt	610	5.000	2801.3	2808.4	204.7	20.0	25.7	36.7	.0	.0	4.25	178.0	76.9	1.111	1306.2g	69.2	1237.0
TGGA-179		Senorial	Gt	610	5.000	2801.5	2808.6	204.7	20.0	25.7	36.7	.0	.0	4.25	179.0	76.6	1.121	1318.6g	69.2	1249.4
TGGA-180		Senorial	Gt	610	5.000	2801.7	2808.9	204.7	20.0	25.7	36.7	.0	.0	4.25	180.0	76.4	1.129	1328.7g	69.1	1259.5
TGGA-181		Senorial	Gt	610	5.000	2802.1	2809.2	204.8	20.1	25.7	36.7	.0	.0	4.25	181.0	76.3	1.133	1333.1g	69.1	1264.0
TGGA-182		Senorial	Gt	610	5.000	2802.6	2809.7	204.8	20.1	25.7	36.7	.0	.0	4.25	182.0	76.4	1.129	1329.6g	69.1	1260.6
TGGA-183		Senorial	Gt	610	5.000	2803.1	2810.2	204.8	20.1	25.7	36.7	.0	.0	4.24	183.0	76.5	1.126	1326.2g	69.0	1257.2
TGGA-184		Senorial	Gt	610	5.000	2803.6	2810.7	204.8	20.1	25.7	36.7	.0	.0	4.24	184.0	76.6	1.122	1322.7g	69.0	1253.8
TGGA-185		Senorial	Gt	610	5.000	2804.1	2811.2	204.9	20.2	25.7	36.7	.0	.0	4.24	185.0	76.8	1.117	1316.8g	68.9	1247.8
TGGA-186		Senorial	Gt	610	5.000	2804.7	2811.8	204.9	20.2	25.7	36.7	.0	.0	4.24	186.0	77.0	1.108	1307.4g	68.9	1238.5
TGGA-187		Senorial	Gt	610	5.000	2805.2	2812.3	204.9	20.2	25.7	36.7	.0	.0	4.24	187.0	77.2	1.100	1298.2g	68.8	1229.3

Dataworld, Inc.
Bethesda, MD

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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	
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
TGGA-188		Senorial	Gt	610	5.000	2805.8	2812.9	204.9	20.2	25.7	36.7	.0	.0	4.23	188.0	77.5	1.092	1289.0g	68.8	1220.2
TGGA-189		Senorial	Gt	610	5.000	2806.3	2813.4	205.0	20.2	25.7	36.7	.0	.0	4.23	189.0	77.7	1.083	1279.9g	68.8	1211.1
TGGA-190		Senorial	Gt	610	5.000	2806.8	2813.9	205.0	20.3	25.7	36.7	.0	.0	4.23	190.0	78.0	1.075	1270.9g	68.7	1202.1
TGGA-191		Senorial	Gt	610	5.000	2807.3	2814.4	205.0	20.3	25.7	36.7	.0	.0	4.23	191.0	78.2	1.067	1261.9g	68.7	1193.2
TGGA-192		Senorial	Gt	610	5.000	2807.7	2814.8	205.0	20.3	25.7	36.7	.0	.0	4.23	192.0	78.5	1.059	1253.0g	68.6	1184.4
TGGA-193		Senorial	Gt	610	5.000	2808.3	2815.4	205.1	20.3	25.7	36.7	.0	.0	4.22	193.0	78.9	1.046	1238.2g	68.6	1169.7
TGGA-194		Senorial	Gt	610	5.000	2808.9	2816.0	205.1	20.3	25.7	36.7	.0	.0	4.22	194.0	79.4	1.031	1221.0g	68.5	1152.5
TGGA-195		Senorial	Gt	610	5.000	2809.6	2816.7	205.1	20.4	25.7	36.7	.0	.0	4.22	195.0	79.8	1.016	1204.1g	68.5	1135.6
TGGA-196		Senorial	Gt	610	5.000	2810.2	2817.3	205.2	20.4	25.7	36.6	.0	.0	4.22	196.0	80.3	1.002	1187.5g	68.4	1119.1
TGGA-197		Senorial	Gt	610	5.000	2810.7	2817.8	205.2	20.4	25.7	36.6	.0	.0	4.22	197.0	80.8	.987	1171.2g	68.4	1102.9
TGGA-198		Senorial	Gt	610	5.000	2811.3	2818.4	205.2	20.4	25.7	36.6	.0	.0	4.21	198.0	81.3	.974	1155.2g	68.3	1086.9
TGGA-199		Senorial	Gt	610	5.000	2811.8	2818.9	205.2	20.5	25.7	36.6	.0	.0	4.21	199.0	81.8	.960	1139.3g	68.3	1071.1
TGGA-200		Senorial	Gt	610	5.000	2812.3	2819.4	205.3	20.5	25.7	36.6	.0	.0	4.21	200.0	82.3	.946	1123.8g	68.2	1055.5
TGGA-201		Senorial	Gt	610	5.000	2812.9	2820.0	205.3	20.5	25.7	36.6	.0	.0	4.21	201.0	82.8	.932	1107.5g	68.1	1039.3
TGGA-202		Senorial	Gt	610	5.000	2813.6	2820.7	205.3	20.5	25.7	36.6	.0	.0	4.21	202.0	83.5	.912	1084.5g	68.1	1016.5
TGGA-203		Senorial	Gt	610	5.000	2814.3	2821.4	205.4	20.6	25.7	36.6	.0	.0	4.20	203.0	84.3	.893	1062.3g	68.0	994.2
TGGA-204		Senorial	Gt	610	5.000	2814.9	2822.0	205.4	20.6	25.7	36.6	.0	.0	4.20	204.0	85.0	.874	1040.6g	68.0	972.7
TGGA-205		Senorial	Gt	610	5.000	2815.7	2822.8	205.4	20.6	25.7	36.6	.0	.0	4.20	205.0	85.8	.854	1017.2g	67.9	949.3
TGGA-206		Senorial	Gt	610	5.000	2816.4	2823.5	205.5	20.6	25.7	36.6	.0	.0	4.19	206.0	86.7	.833	992.7g	67.8	924.9
TGGA-207		Senorial	Gt	610	5.000	2817.2	2824.3	205.5	20.7	25.7	36.6	.0	.0	4.19	207.0	87.6	.812	969.0g	67.8	901.2
TGGA-208		Senorial	Gt	610	5.000	2817.9	2825.0	205.5	20.7	25.7	36.6	.0	.0	4.19	208.0	88.5	.792	945.9g	67.7	878.1
TGGA-209		Senorial	Gt	610	5.000	2818.6	2825.6	205.6	20.7	25.7	36.6	.0	.0	4.19	209.0	89.4	.773	923.3g	67.6	855.7
TGGA-210		Senorial	Gt	610	5.000	2819.3	2826.3	205.6	20.7	25.7	36.6	.0	.0	4.18	210.0	90.4	.754	900.5g	67.6	833.0
TGGA-211		Senorial	Gt	610	5.000	2819.9	2827.0	205.6	20.8	25.7	36.6	.0	.0	4.18	211.0	91.3	.735	878.5g	67.5	811.1
TGGA-212		Senorial	Gt	610	5.000	2820.5	2827.6	205.7	20.8	25.7	36.6	.0	.0	4.18	212.0	92.2	.717	857.3g	67.4	789.9
TGGA-213		Senorial	Gt	610	5.000	2821.1	2828.2	205.7	20.8	25.7	36.6	.0	.0	4.18	213.0	93.1	.700	837.6g	67.3	770.2
TGGA-214		Senorial	Gt	610	5.000	2821.6	2828.6	205.8	20.9	25.7	36.6	.0	.0	4.18	214.0	94.0	.685	820.2g	67.3	752.9
TGGA-215		Senorial	Gt	610	5.000	2822.0	2829.1	205.8	20.9	25.7	36.6	.0	.0	4.17	215.0	94.9	.669	801.9g	67.2	734.7
TGGA-216		Senorial	Gt	610	5.000	2822.5	2829.6	205.8	20.9	25.7	36.6	.0	.0	4.17	216.0	95.8	.654	783.8g	67.1	716.7
TGGA-217		Senorial	Gt	610	5.000	2822.9	2830.0	205.9	21.0	25.7	36.6	.0	.0	4.17	217.0	96.7	.639	766.3g	67.0	699.3
TGGA-218		Senorial	Gt	610	5.000	2823.3	2830.4	205.9	21.0	25.7	36.6	.0	.0	4.17	218.0	97.6	.625	749.4g	66.9	682.4
TGGA-219		Senorial	Gt	610	5.000	2823.7	2830.8	205.9	21.0	25.7	36.6	.0	.0	4.17	219.0	98.5	.611	732.9g	66.8	666.1
TGGA-220		Senorial	Gt	610	5.000	2824.0	2831.1	206.0	21.0	25.7	36.6	.0	.0	4.17	220.0	99.4	.597	716.9g	66.7	650.2
TGGA-221		Senorial	Gt	610	5.000	2824.3	2831.4	206.0	21.1	25.7	36.6	.0	.0	4.17	221.0	100.3	.584	701.3g	66.6	634.7
TGGA-222		Senorial	Gt	610	5.000	2824.5	2831.6	206.1	21.1	25.7	36.7	.0	.0	4.16	222.0	101.2	.571	686.0g	66.5	619.5

Dataworld, Inc.
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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

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Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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.	
						(km)	(km)	(deg)	(deg)	(deg)	(deg)	(deg)	(deg)	(uV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	
TGGA-223		Senorial	Gt	610	5.000	2824.8	2831.8	206.1	21.1	25.7	36.7	.0	.0	4.16	223.0	102.2	.559	671.2g	66.4	604.7
TGGA-224		Senorial	Gt	610	5.000	2824.9	2832.0	206.2	21.2	25.7	36.7	.0	.0	4.16	224.0	103.1	.547	656.7g	66.3	590.4
TGGA-225		Senorial	Gt	610	5.000	2825.1	2832.1	206.2	21.2	25.7	36.7	.0	.0	4.16	225.0	104.0	.535	642.4g	66.2	576.2
TGGA-226		Senorial	Gt	610	5.000	2825.3	2832.4	206.2	21.2	25.7	36.7	.0	.0	4.16	226.0	105.1	.521	626.0g	66.1	559.9
TGGA-227		Senorial	Gt	610	5.000	2825.6	2832.6	206.3	21.3	25.7	36.7	.0	.0	4.16	227.0	106.2	.508	610.2g	66.0	544.2
TGGA-242		Senorial	Gt	610	5.000	2823.3	2830.4	207.0	21.9	25.8	36.7	.0	.0	4.17	242.0	122.9	.500	599.7G	63.7	535.9
TGGA-243		Senorial	Gt	610	5.000	2821.9	2829.0	207.0	21.9	25.8	36.7	.0	.0	4.17	243.0	122.9	.500	598.9G	63.6	535.3
TGGA-244		Senorial	Gt	610	5.000	2820.5	2827.6	207.1	21.9	25.8	36.7	.0	.0	4.18	244.0	122.9	.500	598.2G	63.5	534.7
TGGA-245		Senorial	Gt	610	5.000	2819.0	2826.1	207.1	21.9	25.8	36.7	.0	.0	4.18	245.0	122.9	.500	597.4G	63.3	534.1
TGGA-246		Senorial	Gt	610	5.000	2817.6	2824.7	207.1	22.0	25.8	36.8	.0	.0	4.19	246.0	122.9	.500	596.6G	63.2	533.4
TGGA-247		Senorial	Gt	610	5.000	2816.1	2823.2	207.2	22.0	25.9	36.8	.0	.0	4.20	247.0	122.9	.500	595.8G	63.1	532.8
TGGA-248		Senorial	Gt	610	5.000	2814.6	2821.6	207.2	22.0	25.9	36.8	.0	.0	4.20	248.0	122.9	.500	595.0G	63.0	532.1
TGGA-249		Senorial	Gt	610	5.000	2813.0	2820.1	207.2	22.1	25.9	36.8	.0	.0	4.21	249.0	122.9	.500	594.2G	62.8	531.4
TGGA-250		Senorial	Gt	610	5.000	2811.4	2818.5	207.3	22.1	25.9	36.8	.0	.0	4.21	250.0	122.9	.500	593.4G	62.7	530.7
TGGA-251		Senorial	Gt	610	5.000	2809.8	2816.9	207.3	22.1	25.9	36.8	.0	.0	4.22	251.0	122.9	.500	592.6G	62.6	530.0
TGGA-252		Senorial	Gt	610	5.000	2808.2	2815.3	207.3	22.1	25.9	36.8	.0	.0	4.23	252.0	122.9	.500	591.7G	62.5	529.2
TGGA-253		Senorial	Gt	610	5.000	2806.6	2813.7	207.3	22.2	25.9	36.8	.0	.0	4.23	253.0	122.9	.500	590.8G	62.3	528.5
TGGA-254		Senorial	Gt	610	5.000	2804.9	2812.0	207.4	22.2	25.9	36.8	.0	.0	4.24	254.0	122.9	.500	590.0G	62.2	527.7
TGGA-255		Senorial	Gt	610	5.000	2803.2	2810.3	207.4	22.2	25.9	36.8	.0	.0	4.24	255.0	122.9	.500	589.1G	62.1	527.0
TGGA-256		Senorial	Gt	610	5.000	2801.5	2808.6	207.4	22.2	25.9	36.8	.0	.0	4.25	256.0	122.9	.500	588.2G	62.0	526.2
TGGA-257		Senorial	Gt	610	5.000	2799.8	2806.9	207.5	22.2	26.0	36.9	.0	.0	4.26	257.0	122.9	.500	587.3G	61.9	525.4
TGGA-258		Senorial	Gt	610	5.000	2798.0	2805.1	207.5	22.3	26.0	36.9	.0	.0	4.26	258.0	122.9	.500	586.4G	61.8	524.6
TGGA-259		Senorial	Gt	610	5.000	2796.2	2803.4	207.5	22.3	26.0	36.9	.0	.0	4.27	259.0	122.9	.500	585.4G	61.7	523.8
TGGA-260		Senorial	Gt	610	5.000	2794.4	2801.6	207.5	22.3	26.0	36.9	.0	.0	4.28	260.0	122.9	.500	584.5G	61.5	523.0
TGGA-261		Senorial	Gt	610	5.000	2792.6	2799.8	207.6	22.3	26.0	36.9	.0	.0	4.28	261.0	122.9	.500	583.6G	61.4	522.1
TGGA-262		Senorial	Gt	610	5.000	2790.8	2797.9	207.6	22.4	26.0	36.9	.0	.0	4.29	262.0	122.9	.500	582.6G	61.3	521.3
TGGA-263		Senorial	Gt	610	5.000	2788.9	2796.1	207.6	22.4	26.0	36.9	.0	.0	4.30	263.0	122.9	.500	581.9G	61.2	520.7
TGGA-264		Senorial	Gt	610	5.000	2787.1	2794.2	207.6	22.4	26.0	36.9	.0	.0	4.30	264.0	122.9	.500	581.0G	61.1	519.8
TGGA-265		Senorial	Gt	610	5.000	2785.2	2792.3	207.7	22.4	26.0	36.9	.0	.0	4.31	265.0	122.9	.500	580.0G	61.0	519.0
TGGA-266		Senorial	Gt	610	5.000	2783.3	2790.4	207.7	22.4	26.0	36.9	.0	.0	4.32	266.0	122.9	.500	579.1G	60.9	518.2
TGGA-267		Senorial	Gt	610	5.000	2781.3	2788.5	207.7	22.5	26.0	37.0	.0	.0	4.32	267.0	122.9	.500	578.1G	60.8	517.3
TGGA-268		Senorial	Gt	610	5.000	2779.4	2786.6	207.7	22.5	26.1	37.0	.0	.0	4.33	268.0	122.9	.500	577.2G	60.8	516.4
TGGA-269		Senorial	Gt	610	5.000	2777.4	2784.6	207.7	22.5	26.1	37.0	.0	.0	4.34	269.0	122.9	.500	576.2G	60.7	515.6
TGGA-270		Senorial	Gt	610	5.000	2775.5	2782.7	207.7	22.5	26.1	37.0	.0	.0	4.35	270.0	122.9	.500	575.3G	60.6	514.7
TGGA-271		Senorial	Gt	610	5.000	2773.5	2780.7	207.8	22.5	26.1	37.0	.0	.0	4.35	271.0	122.9	.500	574.3G	60.5	513.8

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Bethesda, MD

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)							
TGGA-272		Senorial	Gt	610	5.000	2771.5	2778.7	207.8	22.5	26.1	37.0	.0	.0	4.36	272.0	122.9	.500	573.3G	60.4	512.9
TGGA-273		Senorial	Gt	610	5.000	2769.5	2776.7	207.8	22.5	26.1	37.0	.0	.0	4.37	273.0	122.9	.500	572.3G	60.4	512.0
TGGA-274		Senorial	Gt	610	5.000	2767.5	2774.7	207.8	22.6	26.1	37.0	.0	.0	4.38	274.0	122.9	.500	571.3G	60.3	511.1
TGGA-275		Senorial	Gt	610	5.000	2765.4	2772.6	207.8	22.6	26.1	37.0	.0	.0	4.38	275.0	122.9	.500	570.4G	60.2	510.1
TGGA-276		Senorial	Gt	610	5.000	2763.4	2770.6	207.8	22.6	26.1	37.0	.0	.0	4.39	276.0	122.9	.500	569.4G	60.1	509.2
TGGA-277		Senorial	Gt	610	5.000	2761.3	2768.6	207.9	22.6	26.1	37.0	.0	.0	4.40	277.0	122.9	.500	568.4G	60.1	508.3
TGGA-278		Senorial	Gt	610	5.000	2759.3	2766.5	207.9	22.6	26.2	37.1	.0	.0	4.41	278.0	122.9	.500	567.4G	60.0	507.3
TGGA-279		Senorial	Gt	610	5.000	2757.2	2764.4	207.9	22.6	26.2	37.1	.0	.0	4.41	279.0	122.9	.500	566.4G	60.0	506.4
TGGA-280		Senorial	Gt	610	5.000	2755.1	2762.3	207.9	22.6	26.2	37.1	.0	.0	4.42	280.0	122.9	.500	565.4G	59.9	505.4
TGGA-281		Senorial	Gt	610	5.000	2753.0	2760.3	207.9	22.6	26.2	37.1	.0	.0	4.43	281.0	122.9	.500	564.4G	59.9	504.5
TGGA-282		Senorial	Gt	610	5.000	2750.9	2758.2	207.9	22.7	26.2	37.1	.0	.0	4.44	282.0	122.9	.500	563.3G	59.8	503.5
TGGA-283		Senorial	Gt	610	5.000	2748.8	2756.1	207.9	22.7	26.2	37.1	.0	.0	4.45	283.0	122.9	.500	562.3G	59.8	502.5
TGGA-284		Senorial	Gt	610	5.000	2746.7	2753.9	207.9	22.7	26.2	37.1	.0	.0	4.45	284.0	122.9	.500	561.3G	59.7	501.6
TGGA-285		Senorial	Gt	610	5.000	2744.6	2751.8	207.9	22.7	26.2	37.1	.0	.0	4.46	285.0	122.9	.500	560.3G	59.7	500.6
TGGA-286		Senorial	Gt	610	5.000	2742.4	2749.7	207.9	22.7	26.2	37.1	.0	.0	4.47	286.0	122.9	.500	559.3G	59.7	499.6
TGGA-287		Senorial	Gt	610	5.000	2740.3	2747.6	207.9	22.7	26.2	37.1	.0	.0	4.48	287.0	122.9	.500	558.3G	59.7	498.6
TGGA-288		Senorial	Gt	610	5.000	2738.2	2745.5	207.9	22.7	26.2	37.2	.0	.0	4.49	288.0	122.9	.500	557.3G	59.6	497.6
TGGA-289		Senorial	Gt	610	5.000	2736.0	2743.3	207.9	22.7	26.3	37.2	.0	.0	4.49	289.0	122.9	.500	556.2G	59.6	496.6
TGGA-290		Senorial	Gt	610	5.000	2733.9	2741.2	208.0	22.7	26.3	37.2	.0	.0	4.50	290.0	122.9	.500	555.2G	59.6	495.6
TGGA-291		Senorial	Gt	610	5.000	2731.7	2739.1	208.0	22.7	26.3	37.2	.0	.0	4.51	291.0	122.9	.500	554.2G	59.6	494.6
TGGA-292		Senorial	Gt	610	5.000	2729.6	2736.9	208.0	22.7	26.3	37.2	.0	.0	4.52	292.0	122.9	.500	553.2G	59.6	493.6
TGGA-293		Senorial	Gt	610	5.000	2727.5	2734.8	208.0	22.7	26.3	37.2	.0	.0	4.53	293.0	122.9	.500	552.2G	59.6	492.6
TGGA-294		Senorial	Gt	610	5.000	2725.3	2732.6	208.0	22.7	26.3	37.2	.0	.0	4.54	294.0	122.9	.500	551.2G	59.6	491.6
TGGA-295		Senorial	Gt	610	5.000	2723.2	2730.5	208.0	22.7	26.3	37.2	.0	.0	4.54	295.0	122.9	.500	550.2G	59.6	490.6
TGGA-296		Senorial	Gt	610	5.000	2721.0	2728.4	208.0	22.7	26.3	37.2	.0	.0	4.55	296.0	122.9	.500	549.2G	59.6	489.6
TGGA-297		Senorial	Gt	610	5.000	2718.9	2726.2	207.9	22.7	26.3	37.2	.0	.0	4.56	297.0	122.9	.500	548.2G	59.6	488.6
TGGA-298		Senorial	Gt	610	5.000	2716.7	2724.1	207.9	22.7	26.3	37.2	.0	.0	4.57	298.0	122.9	.500	547.2G	59.6	487.5
TGGA-299		Senorial	Gt	610	5.000	2714.6	2722.0	207.9	22.7	26.3	37.3	.0	.0	4.58	299.0	122.9	.500	546.2G	59.7	486.5
TGGA-300		Senorial	Gt	610	5.000	2712.5	2719.8	207.9	22.7	26.3	37.3	.0	.0	4.59	300.0	122.9	.500	545.2G	59.7	485.5
TGGA-301		Senorial	Gt	610	5.000	2710.4	2717.7	207.9	22.7	26.4	37.3	.0	.0	4.59	301.0	122.9	.500	544.2G	59.7	484.5
TGGA-302		Senorial	Gt	610	5.000	2708.2	2715.6	207.9	22.7	26.4	37.3	.0	.0	4.60	302.0	122.9	.500	543.2G	59.8	483.5
TGGA-303		Senorial	Gt	610	5.000	2706.1	2713.5	207.9	22.7	26.4	37.3	.0	.0	4.61	303.0	122.9	.500	542.3G	59.8	482.5
TGGA-304		Senorial	Gt	610	5.000	2704.0	2711.4	207.9	22.7	26.4	37.3	.0	.0	4.62	304.0	122.9	.500	541.3G	59.8	481.5
TGGA-305		Senorial	Gt	610	5.000	2701.9	2709.3	207.9	22.7	26.4	37.3	.0	.0	4.63	305.0	122.9	.500	540.3G	59.9	480.4
TGGA-306		Senorial	Gt	610	5.000	2699.8	2707.2	207.9	22.7	26.4	37.3	.0	.0	4.64	306.0	122.9	.500	539.4G	59.9	479.4

Dataworld, Inc.
Bethesda, MD

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)	
TGGA-307		Senorial	Gt	610	5.000	2697.7	2705.1	207.9	22.7	26.4	37.3	.0	.0	4.64	307.0	122.9	.500	538.4G	60.0	478.4
TGGA-308		Senorial	Gt	610	5.000	2695.7	2703.1	207.9	22.7	26.4	37.3	.0	.0	4.65	308.0	122.9	.500	537.4G	60.0	477.4
TGGA-309		Senorial	Gt	610	5.000	2693.6	2701.0	207.9	22.7	26.4	37.3	.0	.0	4.66	309.0	122.9	.500	536.5G	60.1	476.4
TGGA-310		Senorial	Gt	610	5.000	2691.5	2699.0	207.8	22.7	26.4	37.3	.0	.0	4.67	310.0	122.9	.500	535.6G	60.2	475.4
TGGA-311		Senorial	Gt	610	5.000	2689.5	2696.9	207.8	22.6	26.4	37.3	.0	.0	4.68	311.0	122.9	.500	533.8G	60.2	473.6
TGGA-312		Senorial	Gt	610	5.000	2687.5	2694.9	207.8	22.6	26.4	37.4	.0	.0	4.69	312.0	122.9	.500	532.7G	60.3	472.4
TGGA-313		Senorial	Gt	610	5.000	2685.4	2692.9	207.8	22.6	26.4	37.4	.0	.0	4.70	313.0	122.9	.500	531.6G	60.4	471.3
TGGA-314		Senorial	Gt	610	5.000	2683.4	2690.9	207.8	22.6	26.5	37.4	.0	.0	4.71	314.0	122.9	.500	530.6G	60.5	470.1
TGGA-315		Senorial	Gt	610	5.000	2681.5	2688.9	207.8	22.6	26.5	37.4	.0	.0	4.72	315.0	122.9	.500	529.5G	60.5	469.0
TGGA-316		Senorial	Gt	610	5.000	2679.5	2686.9	207.7	22.6	26.5	37.4	.0	.0	4.73	316.0	122.9	.500	528.5G	60.6	467.8
TGGA-317		Senorial	Gt	610	5.000	2677.5	2685.0	207.7	22.6	26.5	37.4	.0	.0	4.74	317.0	122.9	.500	527.4G	60.7	466.7
TGGA-318		Senorial	Gt	610	5.000	2675.6	2683.0	207.7	22.6	26.5	37.4	.0	.0	4.75	318.0	122.9	.500	526.4G	60.8	465.6
TGGA-319		Senorial	Gt	610	5.000	2673.6	2681.1	207.7	22.5	26.5	37.4	.0	.0	4.76	319.0	122.9	.500	525.4G	60.9	464.5
TGGA-320		Senorial	Gt	610	5.000	2671.7	2679.2	207.7	22.5	26.5	37.4	.0	.0	4.77	320.0	122.9	.500	524.4G	61.0	463.4
TGGA-321		Senorial	Gt	610	5.000	2669.8	2677.3	207.6	22.5	26.5	37.4	.0	.0	4.78	321.0	122.9	.500	523.4G	61.1	462.3
TGGA-322		Senorial	Gt	610	5.000	2667.9	2675.4	207.6	22.5	26.5	37.4	.0	.0	4.79	322.0	122.9	.500	522.4G	61.2	461.2
TGGA-323		Senorial	Gt	610	5.000	2666.1	2673.6	207.6	22.5	26.5	37.4	.0	.0	4.79	323.0	122.9	.500	521.4G	61.3	460.1
TGGA-324		Senorial	Gt	610	5.000	2664.2	2671.7	207.6	22.5	26.5	37.4	.0	.0	4.80	324.0	122.9	.500	520.5G	61.4	459.0
TGGA-325		Senorial	Gt	610	5.000	2662.4	2669.9	207.5	22.4	26.5	37.4	.0	.0	4.81	325.0	122.9	.500	519.5G	61.5	458.0
TGGA-326		Senorial	Gt	610	5.000	2660.6	2668.1	207.5	22.4	26.5	37.4	.0	.0	4.82	326.0	122.9	.500	518.6G	61.6	456.9
TGGA-327		Senorial	Gt	610	5.000	2658.8	2666.4	207.5	22.4	26.5	37.5	.0	.0	4.83	327.0	122.9	.500	517.6G	61.8	455.9
TGGA-328		Senorial	Gt	610	5.000	2657.1	2664.6	207.5	22.4	26.5	37.5	.0	.0	4.84	328.0	122.9	.500	516.7G	61.9	454.9
TGGA-329		Senorial	Gt	610	5.000	2655.3	2662.9	207.4	22.4	26.5	37.5	.0	.0	4.85	329.0	122.9	.500	515.8G	62.0	453.9
TGGA-330		Senorial	Gt	610	5.000	2653.6	2661.2	207.4	22.3	26.5	37.5	.0	.0	4.85	330.0	122.9	.500	515.0G	62.1	452.8
TGGA-331		Senorial	Gt	610	5.000	2651.9	2659.5	207.4	22.3	26.5	37.5	.0	.0	4.86	331.0	122.9	.500	514.1G	62.2	451.9
TGGA-332		Senorial	Gt	610	5.000	2650.3	2657.8	207.3	22.3	26.6	37.5	.0	.0	4.87	332.0	122.9	.500	513.2G	62.4	450.9
TGGA-333		Senorial	Gt	610	5.000	2648.6	2656.2	207.3	22.3	26.6	37.5	.0	.0	4.88	333.0	122.9	.500	512.4G	62.5	449.9
TGGA-334		Senorial	Gt	610	5.000	2647.0	2654.6	207.3	22.2	26.6	37.5	.0	.0	4.89	334.0	122.9	.500	511.6G	62.6	448.9
TGGA-335		Senorial	Gt	610	5.000	2645.4	2653.0	207.3	22.2	26.6	37.5	.0	.0	4.89	335.0	122.9	.500	510.7G	62.7	448.0
TGGA-336		Senorial	Gt	610	5.000	2643.9	2651.4	207.2	22.2	26.6	37.5	.0	.0	4.90	336.0	122.9	.500	509.9G	62.9	447.1
TGGA-337		Senorial	Gt	610	5.000	2642.3	2649.9	207.2	22.2	26.6	37.5	.0	.0	4.91	337.0	122.9	.500	509.2G	63.0	446.1
TGGA-338		Senorial	Gt	610	5.000	2640.8	2648.4	207.2	22.1	26.6	37.5	.0	.0	4.92	338.0	122.9	.500	508.4G	63.1	445.2
TGGA-339		Senorial	Gt	610	5.000	2639.3	2646.9	207.1	22.1	26.6	37.5	.0	.0	4.92	339.0	122.9	.500	507.6G	63.3	444.4
TGGA-340		Senorial	Gt	610	5.000	2637.9	2645.5	207.1	22.1	26.6	37.5	.0	.0	4.93	340.0	122.9	.500	506.9G	63.4	443.5
TGGA-341		Senorial	Gt	610	5.000	2636.5	2644.0	207.0	22.1	26.6	37.5	.0	.0	4.94	341.0	122.9	.500	506.2G	63.5	442.6

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
TGGA-342		Senorial	Gt	610	5.000	2635.1	2642.6	207.0 22.0	26.6 37.5	.0 .0	4.95	342.0	122.9	.500	505.5G	63.7	441.8
TGGA-343		Senorial	Gt	610	5.000	2633.7	2641.3	207.0 22.0	26.6 37.5	.0 .0	4.95	343.0	122.9	.500	504.8G	63.8	441.0
TGGA-344		Senorial	Gt	610	5.000	2632.4	2639.9	206.9 22.0	26.6 37.5	.0 .0	4.96	344.0	122.9	.500	504.1G	64.0	440.1
TGGA-345		Senorial	Gt	610	5.000	2631.1	2638.6	206.9 21.9	26.6 37.5	.0 .0	4.97	345.0	122.9	.500	503.4G	64.1	439.3
TGGA-346		Senorial	Gt	610	5.000	2629.8	2637.4	206.9 21.9	26.6 37.5	.0 .0	4.97	346.0	122.9	.500	502.8G	64.2	438.6
TGGA-347		Senorial	Gt	610	5.000	2628.5	2636.1	206.8 21.9	26.6 37.5	.0 .0	4.98	347.0	122.9	.500	502.2G	64.4	437.8
TGGA-348		Senorial	Gt	610	5.000	2627.3	2634.9	206.8 21.9	26.6 37.5	.0 .0	4.98	348.0	122.9	.500	501.6G	64.5	437.1
TGGA-349		Senorial	Gt	610	5.000	2626.1	2633.7	206.7 21.8	26.6 37.5	.0 .0	4.99	349.0	122.9	.500	501.0G	64.6	436.3
TGGA-350		Senorial	Gt	610	5.000	2625.0	2632.6	206.7 21.8	26.6 37.5	.0 .0	5.00	350.0	122.9	.500	500.4G	64.8	435.6
TGGA-351		Senorial	Gt	610	5.000	2623.9	2631.5	206.7 21.8	26.6 37.5	.0 .0	5.00	351.0	122.9	.500	499.8G	64.9	434.9
TGGA-352		Senorial	Gt	610	5.000	2622.8	2630.4	206.6 21.7	26.6 37.5	.0 .0	5.01	352.0	122.9	.500	499.3G	65.0	434.3
TGGA-353		Senorial	Gt	610	5.000	2621.8	2629.4	206.6 21.7	26.6 37.5	.0 .0	5.01	353.0	122.9	.500	498.8G	65.2	433.6
TGGA-354		Senorial	Gt	610	5.000	2620.7	2628.4	206.5 21.7	26.6 37.5	.0 .0	5.02	354.0	122.9	.500	498.3G	65.3	433.0
TGGA-355		Senorial	Gt	610	5.000	2619.8	2627.4	206.5 21.6	26.6 37.6	.0 .0	5.02	355.0	122.9	.500	497.8G	65.4	432.4
TGGA-356		Senorial	Gt	610	5.000	2618.8	2626.4	206.4 21.6	26.6 37.6	.0 .0	5.03	356.0	122.9	.500	497.3G	65.6	431.8
TGGA-357		Senorial	Gt	610	5.000	2617.9	2625.5	206.4 21.6	26.6 37.6	.0 .0	5.03	357.0	122.9	.500	496.9G	65.7	431.2
TGGA-358		Senorial	Gt	610	5.000	2617.0	2624.7	206.4 21.5	26.6 37.6	.0 .0	5.04	358.0	122.9	.500	496.4G	65.8	430.6
TGGA-359		Senorial	Gt	610	5.000	2616.2	2623.8	206.3 21.5	26.6 37.6	.0 .0	5.04	359.0	122.9	.500	496.0G	65.9	430.1
		Delmas	Ha	610	.400	2216.6	2225.6	158.1 341.7	28.0 39.4	.0 .0	7.82	13.885	14.996	10.000	6395.2F	355.1	

6040.0

CHAGUANA=12.062; WIOD=6.877; WEXS=5.665

HRLP 4 S Rosa Copan Ho 610 1.000 2649.6 2657.1 201.3 17.4 26.1 37.1 .0 .0 4.87 6.450 6.906 4.000 4103.0F 71.6
4031.4
WIOD=4.761; KILT=4.351; XEJA=2.467

HRLP Tegucigalpa Ho 610 10.000 2679.7 2687.2 197.3 14.1 25.7 36.8 .0 .0 4.73 6.000 6.531 3.000 3171.7F 72.7
3099.0
WIOD=4.937; KILT=3.410; XEJA=1.837; CHAGUANA=1.810

WRUS LIC Russellville KY 610 .059 612.3 644.1 267.3 83.2 37.1 48.2 11.8 19.9 88.62 14.951 17.266 4.316 243.5 129.2
114.4
WEZN=11.577; KCSP=9.461; WTVN=7.173; KARV=4.808

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
CHTM		Thompson	Cn	610	1.000	2443.5	2451.6	332.5 139.4	46.8 57.6	.0 .0	6.08	12.651	14.929	6.326	5202.1F	114.3	
	5087.8																
	KDAL=12.651; KOJM=5.439; CKYL=4.395; WTVN=3.731																
XEUF		Uruapan	Mx	610	1.000	2918.2	2925.0	233.1 42.4	28.8 39.3	.0 .0	3.84	10.858	12.518	5.429	7071.8F	156.9	
	6914.9																
	KILT=8.646; XEEL=6.568; XECV=4.415; XEJA=4.394																
KDAL	LIC	Duluth	MN	610	5.000	1446.2	1460.0	320.2 132.0	42.2 53.1	2.4 6.1	17.07	6.636	7.380	1.845	540.3	69.9	
	470.5																
	KCSP=5.862; WIP=3.112; WTVN=2.376; CKTB=2.184																
KCSP	LIC	Kansas City	MO	610	5.000	1287.6	1303.0	282.8 93.8	38.4 49.2	3.5 7.6	25.98	3.451	4.310	1.077	207.4	67.3	
	140.1																
	WMT=2.494; WIP=1.741; WIOD=1.630; CHAGUANA=1.523; KMNS=1.352; XEBX=1.193; KFRC=1.046																
KOJM	LIC	Havre	MT	610	1.000	2692.6	2700.0	307.2 106.7	43.9 54.1	.0 .0	3.90	6.485	7.532	1.883	2412.0	93.4	
	2318.7																
	KVNU=3.977; CJAT=3.891; KNML=3.333; KDAL=2.567; KFRC=2.137; KCSP=1.876																
WFNZ	LIC	Charlotte	NC	610	1.000	235.6	309.1	199.2 18.7	36.3 47.5	30.9 44.9	263.88	8.045	11.101	3.007	57.0=	57.0	
	0.0																
	WEZN=5.381; WIP=4.299; WIOD=4.158; WTFX=3.835; KCSP=3.743; WRJZ=3.356; CHAGUANA=3.077; WVBE=3.007																
KCSR	LIC	Chadron	NE	610	.118	2041.6	2051.4	294.7 99.8	40.6 51.1	.0 2.1	9.53	14.977	14.977	3.744	1964.6	85.8	
	1878.9																
	KNML=13.120; KCSP=7.224																
CKXJ		Grand Bank	Cn	610	10.000	2262.0	2270.9	53.6 250.0	42.8 54.3	.0 .0	7.37	4.887	5.122	2.500	1696.1F	41.7	
	1654.5																
	CHNC=4.887; WGIR=1.535																

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Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
CKXJ		Grand Bank	Cn	610	10.000	2262.0	2270.9	53.6 250.0	42.8 54.3	.0 .0	7.37	4.887	5.122	2.500	1696.1F	41.7	
		1654.5															
		CHNC=4.887; WGIR=1.535															
WGIR	LIC	Manchester	NH	610	1.000	964.9	985.4	46.2 231.7	40.2 51.6	6.3 11.7	39.25	7.523	8.243	2.061	262.5	59.1	
		203.4															
		WIP=7.523; CFLO=2.585; CHAGUANA=2.161															
KNML	CP	Albuquerque	NM	610	5.000	2394.3	2402.6	272.0 76.1	36.9 47.2	.0 .3	8.56	6.371	7.350	1.837	1073.7	92.4	
		981.3															
		KCSP=4.689; KFRC=3.144; KAVL=2.952; XEBX=2.192; KILT=2.092; KVNU=2.061															
KNML	CP	Albuquerque	NM	610	5.000	2394.6	2402.9	272.0 76.1	36.9 47.2	.0 .3	8.55	6.371	7.350	1.837	1074.0	92.4	
		981.6															
		KCSP=4.687; KFRC=3.145; KAVL=2.953; XEBX=2.192; KILT=2.091; KVNU=2.063															
KNML	LIC	Albuquerque	NM	610	5.000	2394.7	2403.0	272.0 76.1	36.9 47.2	.0 .3	8.55	6.371	7.350	1.837	1074.1	92.4	
		981.7															
		KCSP=4.687; KFRC=3.146; KAVL=2.954; XEBX=2.192; KILT=2.092; KVNU=2.063															
XEKZ		Santo Domingo Te	Mx	610	1.000	2764.9	2772.1	216.7 29.7	27.0 37.8	.0 .0	4.39	9.676	11.474	4.838	5516.2F	48.6	
		5467.6															
		KILT=8.306; XEJA=4.963; XEUF=4.372; XECV=3.274; XEEL=2.863															
WTVN	CP	Columbus	OH	610	50.000	353.9	406.5	316.5 134.7	38.4 49.6	21.3 33.2	175.24	9.775	11.969	3.818	108.9=	108.9	
		0.0															
		WIP=8.240; KCSP=5.259; WVBE=3.818; WEZN=3.502; WTFX=3.327; WRJZ=3.131															
WTVN	LIC	Columbus	OH	610	5.000	383.0	432.1	319.2 137.3	38.6 49.8	19.7 31.1	159.71	10.270	12.335	3.427	107.3=	107.3	
		0.0															
		WIP=8.800; KCSP=5.295; WTFX=4.848; WVBE=3.427; WEZN=3.381															

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

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Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
CKTB		St. Catharines	Cn	610	5.000	641.8	672.2	6.4	186.9	40.2	51.4	15.2	15.2	106.30	35.710	35.710	17.617	828.7F	147.5	
681.2 WIP=31.062; WTVN=17.617																				
KRTA	LIC	Medford	OR	610	5.000	3651.8	3657.3	292.5	84.3	41.9	51.3	.0	.0	2.44	14.098	15.719	3.930	8065.9	78.0	
7987.9 KFRC=14.098; KONA=6.953																				
WIP	LIC	Philadelphia	PA	610	5.000	514.4	552.0	54.9	237.9	38.6	50.0	14.5	23.8	109.38	3.839	5.480	1.370	62.6	38.9	
23.7 CHAGUANA=2.601; KCSP=2.017; WGIR=1.977; WIOD=1.901; WCAO=1.869; WTFX=1.477; WHEN=1.466; CKTB=1.433; WTVN=1.340																				
HOHM		Rpc	Pm	610	10.000	3145.2	3151.5	178.9	359.1	23.2	34.4	.0	.0	3.22	4.623	5.325	2.500	3886.3F	66.7	
3819.7 CHAGUANA=4.623; WIOD=2.202; 4VJS=1.462																				
WEXS	LIC	Patillas	PR	610	1.000	2543.9	2551.8	143.7	330.3	27.8	39.3	.0	.0	10.03	27.950	27.950	6.988	3483.5	559.6	
2923.9 CHAGUANA=27.950																				
CFLO		Mont-laurier	Cn	610	1.000	1094.9	1113.0	18.8	201.8	41.9	53.3	7.5	7.5	55.31	25.670	29.127	12.835	1160.2F	77.7	
1082.5 CHNC=15.519; WIP=14.656; CKTB=14.259; WTVN=10.901; WSNG=8.400																				
CFLO		Mont-laurier	Cn	610	1.000	1094.9	1113.0	18.8	201.8	41.9	53.3	7.5	7.5	55.31	25.670	29.127	4.000	361.6F	77.7	
283.9 CHNC=15.519; WIP=14.656; CKTB=14.259; WTVN=10.901; WSNG=8.400																				
CFLO		Mont-laurier	Cn	610	1.000	1094.1	1112.2	18.6	201.6	41.9	53.3	7.5	7.5	55.38	25.833	29.425	12.916	1166.2F	79.0	
1087.2 CHNC=15.471; WIP=14.745; CKTB=14.510; WTVN=11.294; WSNG=8.422																				

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

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Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
CHNC		New Carlisle	Cn	610	5.000	1692.4	1704.2	40.6	230.7	42.9	54.4	2.6	2.6	17.79	2.624	3.590	2.500	702.7F	60.7	
642.0 WIP=2.624; WTVN=1.285; KDAL=1.185; CKTB=1.102; WGIR=.973; WTFX=.887																				
CHNC		New Carlisle	Cn	610	5.000	1692.4	1704.2	40.6	230.7	42.9	54.4	2.6	2.6	17.79	2.624	3.590	2.500	702.7F	60.7	
642.0 WIP=2.624; WTVN=1.285; KDAL=1.185; CKTB=1.102; WGIR=.973; WTFX=.887																				
XEGS		Guasave	Mx	610	.500	2981.6	2988.3	252.3	57.1	32.2	42.4	.0	.0	3.65	15.613	17.633	7.806	9999.9F	180.3	
10522.2 KNML=15.613; KAVL=6.112; XEEL=5.459																				
XECV		Cd.valles	Mx	610	.500	2493.0	2501.0	232.2	42.7	30.0	40.6	.0	.0	5.72	18.733	20.879	9.366	8182.4F	152.0	
8030.4 KILT=18.733; XEEL=6.615; XEUF=6.422																				
XENVA		Cd.obregon	Mx	610	.250	2994.2	3000.9	257.4	61.1	33.3	43.4	.0	.0	3.61	21.673	23.641	10.836	9999.9F	163.1	
14848.9 KNML=21.673; KAVL=9.445																				
CHAGUANA			Chaguanas Tr	Td	610	50.000	3514.1	3519.8	143.2	331.0	24.2	35.7	.0	.0	2.50	3.775	3.926	6.500		
9999.9F 565.7 12458.9 WEXS=3.775; 4VJS=1.079																				
KILT	LIC	Houston	TX	610	5.000	1641.0	1653.1	244.5	55.9	33.8	44.6	1.3	4.6	19.46	8.262	9.880	2.470	634.6	188.9	
445.7 KCSP=6.054; XEBX=4.198; WEZN=3.740; WIOD=3.496; KARV=3.282; XEEL=2.523																				
KVNU	LIC	Logan	UT	610	1.000	2763.0	2770.2	290.1	89.5	40.6	50.6	.0	.0	5.06	6.496	8.413	2.103	2080.1	74.5	
2005.5 KFRC=5.533; KNML=3.404; KCSP=2.653; KAVL=2.492; KRTA=2.377; KONA=2.223; CJAT=2.177																				

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

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Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
WTFX	LIC	Winchester	VA	610	.500	264.0	331.2	36.5	217.6	38.3	49.5	28.0	41.5	236.43	21.529	21.529	5.382	113.8	48.4	
65.5 WIP=21.529																				
XEJA		Jalapa	Mx	610	.500	2567.7	2575.5	224.3	36.1	28.7	39.4	.0	.0	5.30	15.038	17.481	7.519	7097.4F	101.4	
6996.0 KILT=15.038; XEUF=5.791; XEEL=4.824; XECV=4.759																				
YVSE-000		Barquisimeto	Ve	610	50.000	3064.3	3070.8	156.5	341.1	24.5	36.0	.0	.0	3.42	.0	157.6	2.143	3131.2g	378.9	2752.3
YVSE-001		Barquisimeto	Ve	610	50.000	3066.0	3072.5	156.5	341.1	24.5	36.0	.0	.0	3.42	1.0	156.8	2.172	3177.4g	379.6	2797.9
YVSE-002		Barquisimeto	Ve	610	50.000	3067.7	3074.2	156.4	341.1	24.5	35.9	.0	.0	3.41	2.0	156.0	2.200	3222.5g	380.2	2842.3
YVSE-003		Barquisimeto	Ve	610	50.000	3069.5	3076.0	156.4	341.0	24.5	35.9	.0	.0	3.41	3.0	155.1	2.227	3266.4g	380.9	2885.5
YVSE-004		Barquisimeto	Ve	610	50.000	3071.2	3077.7	156.3	341.0	24.5	35.9	.0	.0	3.40	4.0	154.4	2.251	3306.6g	381.6	2925.1
YVSE-005		Barquisimeto	Ve	610	50.000	3072.5	3079.0	156.3	341.0	24.5	35.9	.0	.0	3.40	5.0	154.1	2.269	3336.4g	382.3	2954.1
YVSE-006		Barquisimeto	Ve	610	50.000	3073.9	3080.4	156.3	340.9	24.5	35.9	.0	.0	3.40	6.0	153.8	2.286	3364.6g	383.0	2981.7
YVSE-007		Barquisimeto	Ve	610	50.000	3075.3	3081.8	156.2	340.9	24.5	35.9	.0	.0	3.39	7.0	153.6	2.302	3391.5g	383.7	3007.8
YVSE-008		Barquisimeto	Ve	610	50.000	3076.7	3083.2	156.2	340.9	24.5	35.9	.0	.0	3.39	8.0	153.3	2.317	3417.8g	384.3	3033.5
YVSE-009		Barquisimeto	Ve	610	50.000	3078.2	3084.7	156.1	340.8	24.5	35.9	.0	.0	3.39	9.0	153.0	2.331	3442.3g	385.0	3057.3
YVSE-010		Barquisimeto	Ve	610	50.000	3079.8	3086.3	156.1	340.8	24.5	35.9	.0	.0	3.38	10.0	152.7	2.344	3465.1g	385.7	3079.4
YVSE-011		Barquisimeto	Ve	610	50.000	3080.8	3087.3	156.0	340.8	24.5	35.9	.0	.0	3.38	11.0	153.1	2.306	3411.7g	386.4	3025.3
YVSE-012		Barquisimeto	Ve	610	50.000	3081.7	3088.2	156.0	340.7	24.5	35.9	.0	.0	3.38	12.0	153.5	2.238	3313.5g	387.2	2926.3
YVSE-013		Barquisimeto	Ve	610	50.000	3082.8	3089.2	155.9	340.7	24.5	35.9	.0	.0	3.37	13.0	154.0	2.164	3207.2g	387.9	2819.3
YVSE-014		Barquisimeto	Ve	610	50.000	3083.8	3090.3	155.9	340.6	24.5	35.9	.0	.0	3.37	14.0	154.5	2.017	2991.6g	388.7	2602.9
YVSE-015		Barquisimeto	Ve	610	50.000	3085.3	3091.8	155.8	340.6	24.5	35.9	.0	.0	3.37	15.0	154.5	1.896	2815.4g	389.3	2426.1
YVSE-016		Barquisimeto	Ve	610	50.000	3087.2	3093.7	155.8	340.6	24.5	35.9	.0	.0	3.36	16.0	154.1	1.831	2722.4g	389.9	2332.5
YVSE-017		Barquisimeto	Ve	610	50.000	3089.2	3095.6	155.8	340.5	24.5	35.9	.0	.0	3.36	17.0	153.6	1.782	2653.2g	390.5	2262.7
YVSE-018		Barquisimeto	Ve	610	50.000	3091.1	3097.6	155.7	340.5	24.5	35.9	.0	.0	3.35	18.0	153.2	1.795	2676.5g	391.0	2285.5
YVSE-019		Barquisimeto	Ve	610	50.000	3093.1	3099.6	155.7	340.5	24.5	35.9	.0	.0	3.35	19.0	152.7	1.807	2698.4g	391.6	2306.9
YVSE-020		Barquisimeto	Ve	610	50.000	3095.2	3101.6	155.7	340.5	24.4	35.9	.0	.0	3.34	20.0	152.3	1.818	2718.7g	392.1	2326.6
YVSE-021		Barquisimeto	Ve	610	50.000	3097.2	3103.7	155.6	340.4	24.4	35.9	.0	.0	3.34	21.0	151.8	1.827	2737.2g	392.6	2344.6
YVSE-022		Barquisimeto	Ve	610	50.000	3099.3	3105.7	155.6	340.4	24.4	35.9	.0	.0	3.33	22.0	151.4	1.835	2753.5g	393.1	2360.4
YVSE-023		Barquisimeto	Ve	610	50.000	3101.4	3107.9	155.6	340.4	24.4	35.9	.0	.0	3.33	23.0	150.9	1.842	2768.6g	393.6	2375.0
YVSE-024		Barquisimeto	Ve	610	50.000	3104.0	3110.4	155.5	340.4	24.4	35.9	.0	.0	3.32	24.0	149.9	1.853	2789.8g	393.9	2395.9
YVSE-025		Barquisimeto	Ve	610	50.000	3106.5	3112.9	155.5	340.4	24.4	35.9	.0	.0	3.31	25.0	148.8	1.862	2809.4g	394.3	2415.1
YVSE-026		Barquisimeto	Ve	610	50.000	3109.1	3115.5	155.5	340.3	24.4	35.9	.0	.0	3.31	26.0	147.8	1.870	2827.0g	394.6	2432.4

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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.	
						(km)	(km)	(deg)	(deg)	(deg)	(deg)	(deg)	(deg)	(uV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	(mV/m)	
YVSE-027		Barquisimeto	Ve	610	50.000	3110.9	3117.4	155.5	340.3	24.4	35.9	.0	.0	3.30	27.0	147.8	1.867	2826.9g	395.1	2431.8
YVSE-028		Barquisimeto	Ve	610	50.000	3112.7	3119.1	155.4	340.3	24.4	35.9	.0	.0	3.30	28.0	148.1	1.861	2820.6g	395.7	2424.9
YVSE-029		Barquisimeto	Ve	610	50.000	3114.5	3120.9	155.4	340.3	24.4	35.8	.0	.0	3.29	29.0	148.3	1.853	2813.8g	396.3	2417.6
YVSE-030		Barquisimeto	Ve	610	50.000	3116.5	3122.9	155.4	340.2	24.4	35.8	.0	.0	3.29	30.0	148.2	1.848	2809.5g	396.7	2412.7
YVSE-031		Barquisimeto	Ve	610	50.000	3118.6	3125.0	155.3	340.2	24.4	35.8	.0	.0	3.28	31.0	148.1	1.842	2805.0g	397.2	2407.8
YVSE-032		Barquisimeto	Ve	610	50.000	3120.7	3127.1	155.3	340.2	24.4	35.8	.0	.0	3.28	32.0	147.9	1.835	2798.7g	397.6	2401.1
YVSE-033		Barquisimeto	Ve	610	50.000	3122.8	3129.2	155.3	340.2	24.4	35.8	.0	.0	3.27	33.0	147.7	1.972	3013.7g	398.0	2615.6
YVSE-034		Barquisimeto	Ve	610	50.000	3125.0	3131.4	155.3	340.2	24.4	35.8	.0	.0	3.27	34.0	147.6	2.294	3511.0g	398.4	3112.6
YVSE-035		Barquisimeto	Ve	610	50.000	3127.2	3133.6	155.2	340.1	24.4	35.8	.0	.0	3.26	35.0	147.4	2.291	3513.0g	398.8	3114.2
YVSE-036		Barquisimeto	Ve	610	50.000	3129.5	3135.9	155.2	340.1	24.3	35.8	.0	.0	3.26	36.0	147.0	2.288	3514.3g	399.2	3115.2
YVSE-037		Barquisimeto	Ve	610	50.000	3132.1	3138.5	155.2	340.1	24.3	35.8	.0	.0	3.25	37.0	146.3	2.286	3517.5g	399.4	3118.1
YVSE-038		Barquisimeto	Ve	610	50.000	3134.7	3141.1	155.2	340.1	24.3	35.8	.0	.0	3.24	38.0	145.3	2.284	3521.8g	399.6	3122.2
YVSE-039		Barquisimeto	Ve	610	50.000	3137.4	3143.8	155.2	340.1	24.3	35.8	.0	.0	3.24	39.0	144.3	2.277	3518.5g	399.7	3118.8
YVSE-040		Barquisimeto	Ve	610	50.000	3140.1	3146.4	155.2	340.1	24.3	35.8	.0	.0	3.23	40.0	143.4	2.267	3510.2g	399.8	3110.4
YVSE-041		Barquisimeto	Ve	610	50.000	3142.7	3149.1	155.2	340.1	24.3	35.8	.0	.0	3.22	41.0	142.4	2.254	3496.9g	399.9	3097.0
YVSE-042		Barquisimeto	Ve	610	50.000	3145.3	3151.7	155.1	340.1	24.3	35.7	.0	.0	3.22	42.0	141.4	2.236	3475.9g	400.0	3075.8
YVSE-043		Barquisimeto	Ve	610	50.000	3147.7	3154.1	155.1	340.1	24.3	35.7	.0	.0	3.21	43.0	141.0	2.211	3444.1g	400.3	3043.9
YVSE-044		Barquisimeto	Ve	610	50.000	3150.1	3156.4	155.1	340.1	24.3	35.7	.0	.0	3.20	44.0	140.6	2.183	3406.4g	400.5	3005.9
YVSE-045		Barquisimeto	Ve	610	50.000	3152.5	3158.8	155.1	340.1	24.3	35.7	.0	.0	3.20	45.0	140.2	2.150	3361.3g	400.7	2960.6
YVSE-046		Barquisimeto	Ve	610	50.000	3154.9	3161.2	155.1	340.0	24.2	35.7	.0	.0	3.19	46.0	139.8	2.115	3312.6g	400.9	2911.7
YVSE-047		Barquisimeto	Ve	610	50.000	3157.3	3163.6	155.1	340.0	24.2	35.7	.0	.0	3.19	47.0	139.4	2.076	3257.2g	401.0	2856.2
YVSE-048		Barquisimeto	Ve	610	50.000	3159.7	3166.0	155.1	340.0	24.2	35.7	.0	.0	3.18	48.0	139.0	2.034	3197.8g	401.2	2796.6
YVSE-049		Barquisimeto	Ve	610	50.000	3162.1	3168.4	155.1	340.0	24.2	35.7	.0	.0	3.17	49.0	138.6	1.988	3131.5g	401.3	2730.1
YVSE-050		Barquisimeto	Ve	610	50.000	3164.5	3170.8	155.1	340.0	24.2	35.7	.0	.0	3.17	50.0	138.2	1.938	3057.9g	401.5	2656.5
YVSE-051		Barquisimeto	Ve	610	50.000	3166.9	3173.2	155.0	340.0	24.2	35.7	.0	.0	3.16	51.0	137.8	1.884	2978.2g	401.6	2576.6
YVSE-052		Barquisimeto	Ve	610	50.000	3169.7	3176.0	155.1	340.0	24.2	35.7	.0	.0	3.16	52.0	136.1	1.841	2917.2g	401.4	2515.8
YVSE-053		Barquisimeto	Ve	610	50.000	3176.4	3182.7	155.3	340.2	24.1	35.6	.0	.0	3.14	53.0	120.9	1.944	3095.8g	397.4	2698.4
YVSE-054		Barquisimeto	Ve	610	50.000	3178.5	3184.8	155.3	340.2	24.1	35.6	.0	.0	3.13	54.0	120.4	1.881	3000.5g	397.4	2603.1
YVSE-055		Barquisimeto	Ve	610	50.000	3180.7	3187.0	155.3	340.2	24.1	35.6	.0	.0	3.13	55.0	120.0	1.868	2983.7g	397.4	2586.3
YVSE-056		Barquisimeto	Ve	610	50.000	3182.8	3189.1	155.3	340.2	24.1	35.6	.0	.0	3.12	56.0	119.5	1.869	2991.8g	397.5	2594.3
YVSE-057		Barquisimeto	Ve	610	50.000	3185.0	3191.2	155.3	340.2	24.1	35.6	.0	.0	3.12	57.0	119.0	1.871	2998.7g	397.5	2601.2
YVSE-058		Barquisimeto	Ve	610	50.000	3187.1	3193.4	155.3	340.2	24.1	35.6	.0	.0	3.11	58.0	118.5	1.871	3004.3g	397.5	2606.8
YVSE-059		Barquisimeto	Ve	610	50.000	3189.2	3195.5	155.3	340.2	24.1	35.5	.0	.0	3.11	59.0	118.0	1.871	3009.1g	397.4	2611.6
YVSE-060		Barquisimeto	Ve	610	50.000	3191.2	3197.5	155.3	340.2	24.1	35.5	.0	.0	3.10	60.0	118.2	1.854	2989.0g	397.6	2591.4
YVSE-061		Barquisimeto	Ve	610	50.000	3193.2	3199.5	155.3	340.2	24.1	35.5	.0	.0	3.10	61.0	118.4	1.836	2964.0g	397.8	2566.2

Dataworld, Inc.
Bethesda, MD

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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	
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
YVSE-062		Barquisimeto	Ve	610	50.000	3195.2	3201.5	155.3	340.2	24.1	35.5	.0	.0	3.09	62.0	118.6	1.817	2937.7g	397.9	2539.8
YVSE-063		Barquisimeto	Ve	610	50.000	3197.2	3203.5	155.3	340.2	24.1	35.5	.0	.0	3.09	63.0	118.8	1.798	2910.5g	398.0	2512.5
YVSE-064		Barquisimeto	Ve	610	50.000	3199.2	3205.5	155.3	340.2	24.0	35.5	.0	.0	3.08	64.0	119.4	1.779	2883.9g	398.3	2485.6
YVSE-065		Barquisimeto	Ve	610	50.000	3201.2	3207.5	155.2	340.2	24.0	35.5	.0	.0	3.08	65.0	120.3	1.758	2854.0g	398.6	2455.4
YVSE-066		Barquisimeto	Ve	610	50.000	3203.3	3209.5	155.2	340.2	24.0	35.5	.0	.0	3.08	66.0	121.1	1.725	2803.9g	398.9	2405.0
YVSE-067		Barquisimeto	Ve	610	50.000	3205.3	3211.6	155.2	340.2	24.0	35.5	.0	.0	3.07	67.0	121.9	1.669	2717.4g	399.1	2318.2
YVSE-068		Barquisimeto	Ve	610	50.000	3207.4	3213.7	155.2	340.2	24.0	35.5	.0	.0	3.07	68.0	122.7	1.615	2633.3g	399.4	2233.9
YVSE-069		Barquisimeto	Ve	610	50.000	3209.6	3215.8	155.2	340.1	24.0	35.5	.0	.0	3.06	69.0	124.2	1.546	2523.1g	399.8	2123.3
YVSE-070		Barquisimeto	Ve	610	50.000	3211.7	3217.9	155.1	340.1	24.0	35.5	.0	.0	3.06	70.0	126.1	1.470	2403.0g	400.4	2002.7
YVSE-070		Barquisimeto	Ve	610	50.000	3211.7	3217.9	155.1	340.1	24.0	35.5	.0	.0	3.06	70.0	127.0	1.453	2375.6g	400.6	1975.0
YVSE-070		Barquisimeto	Ve	610	50.000	3211.7	3218.0	155.0	340.0	24.0	35.5	.0	.0	3.06	70.0	134.2	1.426	2331.0s	402.7	1928.3
YVSE-071		Barquisimeto	Ve	610	50.000	3214.2	3220.4	154.9	339.9	24.0	35.5	.0	.0	3.05	71.0	139.6	1.408	2305.9s	404.2	1901.8
YVSE-072		Barquisimeto	Ve	610	50.000	3216.8	3223.0	154.8	339.8	24.0	35.5	.0	.0	3.05	72.0	143.9	1.396	2290.2s	405.4	1884.9
YVSE-073		Barquisimeto	Ve	610	50.000	3219.5	3225.7	154.7	339.8	24.0	35.5	.0	.0	3.04	73.0	146.9	1.387	2279.0s	406.2	1872.8
YVSE-074		Barquisimeto	Ve	610	50.000	3222.7	3228.9	154.6	339.7	24.0	35.5	.0	.0	3.04	74.0	155.4	1.372	2260.4s	408.5	1851.9
YVSE-075		Barquisimeto	Ve	610	50.000	3228.7	3234.9	154.0	339.2	24.0	35.5	.0	.0	3.02	75.0	187.8	1.326	2193.9s	417.5	1776.4
YVSE-076		Barquisimeto	Ve	610	50.000	3234.0	3240.2	153.7	339.0	24.0	35.5	.0	.0	3.01	76.0	204.1	1.307	2170.0s	421.9	1748.1
YVSE-077		Barquisimeto	Ve	610	50.000	3244.3	3250.5	152.9	338.4	24.1	35.6	.0	.0	2.99	77.0	248.9	1.250	2090.1S	434.0	1656.1
YVSE-078		Barquisimeto	Ve	610	50.000	3248.6	3254.7	152.9	338.4	24.1	35.5	.0	.0	2.98	78.0	248.9	1.250	2096.3S	433.8	1662.5
YVSE-079		Barquisimeto	Ve	610	50.000	3252.9	3259.0	152.9	338.4	24.0	35.5	.0	.0	2.97	79.0	248.9	1.250	2102.5S	433.6	1668.9
YVSE-080		Barquisimeto	Ve	610	50.000	3257.1	3263.2	152.9	338.4	24.0	35.5	.0	.0	2.96	80.0	248.9	1.250	2108.7S	433.4	1675.3
YVSE-081		Barquisimeto	Ve	610	50.000	3261.3	3267.5	153.0	338.4	24.0	35.5	.0	.0	2.96	81.0	248.9	1.250	2114.9S	433.1	1681.8
YVSE-082		Barquisimeto	Ve	610	50.000	3265.6	3271.7	153.0	338.4	24.0	35.5	.0	.0	2.95	82.0	248.9	1.250	2121.1S	432.8	1688.2
YVSE-083		Barquisimeto	Ve	610	50.000	3269.8	3275.9	153.0	338.5	24.0	35.4	.0	.0	2.94	83.0	248.9	1.250	2127.2S	432.5	1694.7
YVSE-084		Barquisimeto	Ve	610	50.000	3274.0	3280.1	153.0	338.5	24.0	35.4	.0	.0	2.93	84.0	248.9	1.250	2133.4S	432.2	1701.2
YVSE-085		Barquisimeto	Ve	610	50.000	3278.1	3284.2	153.0	338.5	23.9	35.4	.0	.0	2.92	85.0	248.9	1.250	2139.5S	431.9	1707.7
YVSE-086		Barquisimeto	Ve	610	50.000	3282.3	3288.4	153.1	338.5	23.9	35.4	.0	.0	2.91	86.0	248.9	1.250	2145.7S	431.5	1714.1
YVSE-087		Barquisimeto	Ve	610	50.000	3286.4	3292.5	153.1	338.5	23.9	35.4	.0	.0	2.90	87.0	248.9	1.250	2151.8S	431.2	1720.6
YVSE-088		Barquisimeto	Ve	610	50.000	3290.5	3296.6	153.1	338.6	23.9	35.3	.0	.0	2.90	88.0	248.9	1.250	2157.6S	430.8	1726.9
YVSE-089		Barquisimeto	Ve	610	50.000	3294.6	3300.6	153.1	338.6	23.9	35.3	.0	.0	2.89	89.0	248.9	1.250	2163.8S	430.4	1733.5
YVSE-090		Barquisimeto	Ve	610	50.000	3298.6	3304.7	153.2	338.6	23.8	35.3	.0	.0	2.88	90.0	248.9	1.250	2170.0S	429.9	1740.1
YVSE-091		Barquisimeto	Ve	610	50.000	3302.6	3308.7	153.2	338.6	23.8	35.3	.0	.0	2.87	91.0	248.9	1.250	2176.1S	429.5	1746.6
YVSE-092		Barquisimeto	Ve	610	50.000	3306.6	3312.7	153.2	338.7	23.8	35.3	.0	.0	2.86	92.0	248.9	1.250	2182.2S	429.0	1753.2
YVSE-093		Barquisimeto	Ve	610	50.000	3310.6	3316.6	153.3	338.7	23.8	35.2	.0	.0	2.86	93.0	248.9	1.250	2188.3S	428.5	1759.8
YVSE-094		Barquisimeto	Ve	610	50.000	3314.5	3320.5	153.3	338.7	23.8	35.2	.0	.0	2.85	94.0	248.9	1.250	2194.4S	428.0	1766.3

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
YVSE-095		Barquisimeto	Ve	610	50.000	3318.4	3324.4	153.3	338.8	23.7	35.2	.0	.0	2.84	95.0	248.9	1.250	2200.4S	427.5	1772.9
YVSE-096		Barquisimeto	Ve	610	50.000	3322.3	3328.3	153.4	338.8	23.7	35.2	.0	.0	2.83	96.0	248.9	1.250	2206.3S	427.0	1779.4
YVSE-097		Barquisimeto	Ve	610	50.000	3326.1	3332.1	153.4	338.8	23.7	35.2	.0	.0	2.83	97.0	248.9	1.250	2212.3S	426.4	1785.9
YVSE-098		Barquisimeto	Ve	610	50.000	3329.9	3335.9	153.4	338.8	23.7	35.1	.0	.0	2.82	98.0	248.9	1.250	2218.2S	425.9	1792.3
YVSE-099		Barquisimeto	Ve	610	50.000	3333.7	3339.7	153.5	338.9	23.7	35.1	.0	.0	2.81	99.0	248.9	1.250	2224.1S	425.3	1798.8
YVSE-100		Barquisimeto	Ve	610	50.000	3337.4	3343.4	153.5	338.9	23.6	35.1	.0	.0	2.80	100.0	248.9	1.250	2229.9S	424.7	1805.2
YVSE-101		Barquisimeto	Ve	610	50.000	3341.1	3347.1	153.6	338.9	23.6	35.1	.0	.0	2.80	101.0	248.9	1.250	2235.7S	424.0	1811.6
YVSE-102		Barquisimeto	Ve	610	50.000	3344.7	3350.7	153.6	339.0	23.6	35.1	.0	.0	2.79	102.0	248.9	1.250	2241.4S	423.4	1818.0
YVSE-103		Barquisimeto	Ve	610	50.000	3348.3	3354.3	153.6	339.0	23.6	35.1	.0	.0	2.78	103.0	248.9	1.250	2247.1S	422.8	1824.3
YVSE-104		Barquisimeto	Ve	610	50.000	3351.9	3357.8	153.7	339.1	23.6	35.0	.0	.0	2.77	104.0	248.9	1.250	2252.7S	422.1	1830.6
YVSE-105		Barquisimeto	Ve	610	50.000	3355.4	3361.4	153.7	339.1	23.5	35.0	.0	.0	2.77	105.0	248.9	1.250	2258.3S	421.4	1836.9
YVSE-106		Barquisimeto	Ve	610	50.000	3358.9	3364.8	153.8	339.1	23.5	35.0	.0	.0	2.76	106.0	248.9	1.250	2263.8S	420.7	1843.1
YVSE-107		Barquisimeto	Ve	610	50.000	3362.3	3368.3	153.8	339.2	23.5	35.0	.0	.0	2.75	107.0	248.9	1.250	2269.3S	420.0	1849.3
YVSE-108		Barquisimeto	Ve	610	50.000	3365.7	3371.7	153.9	339.2	23.5	35.0	.0	.0	2.75	108.0	248.9	1.250	2274.7S	419.3	1855.4
YVSE-109		Barquisimeto	Ve	610	50.000	3369.1	3375.0	153.9	339.2	23.5	34.9	.0	.0	2.74	109.0	248.9	1.250	2280.0S	418.5	1861.5
YVSE-110		Barquisimeto	Ve	610	50.000	3372.4	3378.3	154.0	339.3	23.4	34.9	.0	.0	2.73	110.0	248.9	1.250	2285.3S	417.8	1867.6
YVSE-111		Barquisimeto	Ve	610	50.000	3375.6	3381.5	154.0	339.3	23.4	34.9	.0	.0	2.73	111.0	248.9	1.250	2290.6S	417.0	1873.6
YVSE-112		Barquisimeto	Ve	610	50.000	3378.8	3384.7	154.1	339.4	23.4	34.9	.0	.0	2.72	112.0	248.9	1.250	2295.7S	416.2	1879.5
YVSE-113		Barquisimeto	Ve	610	50.000	3382.0	3387.9	154.1	339.4	23.4	34.9	.0	.0	2.72	113.0	248.9	1.250	2300.8S	415.4	1885.4
YVSE-114		Barquisimeto	Ve	610	50.000	3385.1	3391.0	154.2	339.5	23.4	34.8	.0	.0	2.71	114.0	248.9	1.250	2305.8S	414.6	1891.2
YVSE-115		Barquisimeto	Ve	610	50.000	3388.1	3394.0	154.2	339.5	23.4	34.8	.0	.0	2.70	115.0	248.9	1.250	2310.8S	413.8	1897.0
YVSE-116		Barquisimeto	Ve	610	50.000	3391.1	3397.0	154.3	339.6	23.3	34.8	.0	.0	2.70	116.0	248.9	1.250	2317.1S	412.9	1904.2
YVSE-117		Barquisimeto	Ve	610	50.000	3394.1	3400.0	154.4	339.6	23.3	34.8	.0	.0	2.69	117.0	248.9	1.250	2321.4S	412.1	1909.3
YVSE-118		Barquisimeto	Ve	610	50.000	3397.0	3402.8	154.4	339.6	23.3	34.8	.0	.0	2.69	118.0	248.9	1.250	2325.6S	411.2	1914.5
YVSE-119		Barquisimeto	Ve	610	50.000	3399.8	3405.7	154.5	339.7	23.3	34.8	.0	.0	2.68	119.0	248.9	1.250	2329.8S	410.3	1919.5
YVSE-120		Barquisimeto	Ve	610	50.000	3402.6	3408.5	154.5	339.7	23.3	34.7	.0	.0	2.68	120.0	248.9	1.250	2333.9S	409.4	1924.5
YVSE-121		Barquisimeto	Ve	610	50.000	3405.3	3411.2	154.6	339.8	23.2	34.7	.0	.0	2.67	121.0	248.9	1.250	2338.0S	408.5	1929.5
YVSE-122		Barquisimeto	Ve	610	50.000	3408.0	3413.9	154.7	339.8	23.2	34.7	.0	.0	2.67	122.0	248.9	1.250	2341.9S	407.6	1934.4
YVSE-123		Barquisimeto	Ve	610	50.000	3410.6	3416.5	154.7	339.9	23.2	34.7	.0	.0	2.66	123.0	248.9	1.250	2345.8S	406.7	1939.2
YVSE-124		Barquisimeto	Ve	610	50.000	3413.2	3419.0	154.8	339.9	23.2	34.7	.0	.0	2.66	124.0	248.9	1.250	2349.6S	405.7	1943.9
YVSE-125		Barquisimeto	Ve	610	50.000	3415.7	3421.5	154.8	340.0	23.2	34.7	.0	.0	2.66	125.0	248.9	1.250	2353.4S	404.8	1948.6
YVSE-126		Barquisimeto	Ve	610	50.000	3418.1	3424.0	154.9	340.0	23.2	34.6	.0	.0	2.65	126.0	248.9	1.250	2357.0S	403.8	1953.2
YVSE-127		Barquisimeto	Ve	610	50.000	3420.5	3426.3	155.0	340.1	23.1	34.6	.0	.0	2.65	127.0	248.9	1.250	2360.6S	402.8	1957.7
YVSE-128		Barquisimeto	Ve	610	50.000	3422.8	3428.6	155.0	340.1	23.1	34.6	.0	.0	2.64	128.0	248.9	1.250	2364.0S	401.8	1962.2
YVSE-129		Barquisimeto	Ve	610	50.000	3425.1	3430.9	155.1	340.2	23.1	34.6	.0	.0	2.64	129.0	248.9	1.250	2367.4S	400.9	1966.6

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)							
YVSE-130		Barquisimeto	Ve	610	50.000	3427.3	3433.1	155.2	340.2	23.1	34.6	.0	.0	2.64	130.0	248.9	1.250	2370.7S	399.8	1970.9
YVSE-131		Barquisimeto	Ve	610	50.000	3429.4	3435.2	155.2	340.3	23.1	34.6	.0	.0	2.63	131.0	248.9	1.250	2373.9S	398.8	1975.1
YVSE-132		Barquisimeto	Ve	610	50.000	3431.5	3437.3	155.3	340.4	23.1	34.5	.0	.0	2.63	132.0	248.9	1.250	2377.0S	397.8	1979.2
YVSE-133		Barquisimeto	Ve	610	50.000	3433.5	3439.3	155.4	340.4	23.1	34.5	.0	.0	2.63	133.0	248.9	1.250	2380.1S	396.8	1983.3
YVSE-134		Barquisimeto	Ve	610	50.000	3435.4	3441.3	155.4	340.5	23.0	34.5	.0	.0	2.62	134.0	248.9	1.250	2383.0S	395.7	1987.3
YVSE-135		Barquisimeto	Ve	610	50.000	3437.3	3443.1	155.5	340.5	23.0	34.5	.0	.0	2.62	135.0	248.9	1.250	2385.9S	394.7	1991.2
YVSE-136		Barquisimeto	Ve	610	50.000	3439.2	3445.0	155.6	340.6	23.0	34.5	.0	.0	2.62	136.0	248.9	1.250	2388.6S	393.6	1995.0
YVSE-137		Barquisimeto	Ve	610	50.000	3440.9	3446.7	155.6	340.6	23.0	34.5	.0	.0	2.61	137.0	248.9	1.250	2391.3S	392.6	1998.7
YVSE-138		Barquisimeto	Ve	610	50.000	3442.6	3448.4	155.7	340.7	23.0	34.5	.0	.0	2.61	138.0	248.9	1.250	2393.8S	391.5	2002.3
YVSE-139		Barquisimeto	Ve	610	50.000	3444.2	3450.0	155.8	340.7	23.0	34.4	.0	.0	2.61	139.0	248.9	1.250	2396.3S	390.4	2005.9
YVSE-140		Barquisimeto	Ve	610	50.000	3445.8	3451.6	155.8	340.8	23.0	34.4	.0	.0	2.61	140.0	248.9	1.250	2398.7S	389.3	2009.3
YVSE-141		Barquisimeto	Ve	610	50.000	3447.3	3453.1	155.9	340.8	22.9	34.4	.0	.0	2.60	141.0	248.9	1.250	2400.9S	388.2	2012.7
YVSE-142		Barquisimeto	Ve	610	50.000	3448.7	3454.5	156.0	340.9	22.9	34.4	.0	.0	2.60	142.0	248.9	1.250	2403.1S	387.1	2016.0
YVSE-143		Barquisimeto	Ve	610	50.000	3450.1	3455.8	156.1	341.0	22.9	34.4	.0	.0	2.60	143.0	248.9	1.250	2405.2S	386.0	2019.2
YVSE-144		Barquisimeto	Ve	610	50.000	3451.3	3457.1	156.1	341.0	22.9	34.4	.0	.0	2.60	144.0	248.9	1.250	2407.1S	384.9	2022.2
YVSE-145		Barquisimeto	Ve	610	50.000	3452.6	3458.4	156.2	341.1	22.9	34.4	.0	.0	2.59	145.0	248.9	1.250	2409.0S	383.8	2025.2
YVSE-146		Barquisimeto	Ve	610	50.000	3453.7	3459.5	156.3	341.1	22.9	34.3	.0	.0	2.59	146.0	248.9	1.250	2410.8S	382.7	2028.1
YVSE-147		Barquisimeto	Ve	610	50.000	3454.8	3460.6	156.4	341.2	22.9	34.3	.0	.0	2.59	147.0	248.9	1.250	2412.4S	381.5	2030.9
YVSE-148		Barquisimeto	Ve	610	50.000	3455.8	3461.6	156.4	341.3	22.9	34.3	.0	.0	2.59	148.0	248.9	1.250	2414.0S	380.4	2033.6
YVSE-149		Barquisimeto	Ve	610	50.000	3456.8	3462.5	156.5	341.3	22.9	34.3	.0	.0	2.59	149.0	248.9	1.250	2415.4S	379.2	2036.2
YVSE-150		Barquisimeto	Ve	610	50.000	3457.6	3463.4	156.6	341.4	22.8	34.3	.0	.0	2.59	150.0	248.9	1.250	2416.8S	378.1	2038.7
YVSE-151		Barquisimeto	Ve	610	50.000	3458.5	3464.2	156.6	341.4	22.8	34.3	.0	.0	2.58	151.0	248.9	1.250	2418.0S	377.0	2041.0
YVSE-152		Barquisimeto	Ve	610	50.000	3459.2	3465.0	156.7	341.5	22.8	34.3	.0	.0	2.58	152.0	248.9	1.250	2419.1S	375.8	2043.3
YVSE-153		Barquisimeto	Ve	610	50.000	3459.9	3465.6	156.8	341.5	22.8	34.3	.0	.0	2.58	153.0	248.9	1.250	2420.1S	374.6	2045.5
YVSE-154		Barquisimeto	Ve	610	50.000	3460.5	3466.2	156.9	341.6	22.8	34.3	.0	.0	2.58	154.0	248.9	1.250	2421.1S	373.5	2047.6
YVSE-155		Barquisimeto	Ve	610	50.000	3461.0	3466.8	156.9	341.7	22.8	34.3	.0	.0	2.58	155.0	248.9	1.250	2421.9S	372.3	2049.6
YVSE-156		Barquisimeto	Ve	610	50.000	3461.4	3467.2	157.0	341.7	22.8	34.2	.0	.0	2.58	156.0	248.9	1.250	2422.6S	371.2	2051.4
YVSE-157		Barquisimeto	Ve	610	50.000	3461.8	3467.6	157.1	341.8	22.8	34.2	.0	.0	2.58	157.0	248.9	1.250	2423.2S	370.0	2053.2
YVSE-158		Barquisimeto	Ve	610	50.000	3462.1	3467.9	157.2	341.8	22.8	34.2	.0	.0	2.58	158.0	248.9	1.250	2423.7S	368.8	2054.8
YVSE-159		Barquisimeto	Ve	610	50.000	3462.4	3468.2	157.2	341.9	22.8	34.2	.0	.0	2.58	159.0	248.9	1.250	2424.0S	367.6	2056.4
YVSE-160		Barquisimeto	Ve	610	50.000	3462.6	3468.3	157.3	342.0	22.8	34.2	.0	.0	2.58	160.0	248.9	1.250	2424.3S	366.5	2057.8
YVSE-161		Barquisimeto	Ve	610	50.000	3462.7	3468.4	157.4	342.0	22.7	34.2	.0	.0	2.58	161.0	248.9	1.250	2424.5S	365.3	2059.2
YVSE-162		Barquisimeto	Ve	610	50.000	3462.7	3468.5	157.5	342.1	22.7	34.2	.0	.0	2.58	162.0	248.9	1.250	2424.5S	364.1	2060.4
YVSE-163		Barquisimeto	Ve	610	50.000	3462.7	3468.4	157.6	342.1	22.7	34.2	.0	.0	2.58	163.0	248.9	1.250	2424.4S	363.0	2061.5
YVSE-164		Barquisimeto	Ve	610	50.000	3462.6	3468.3	157.6	342.2	22.7	34.2	.0	.0	2.58	164.0	248.9	1.250	2424.3S	361.8	2062.5

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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	
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
YVSE-165		Barquisimeto	Ve	610	50.000	3462.4	3468.1	157.7	342.3	22.7	34.2	.0	.0	2.58	165.0	248.9	1.250	2424.0S	360.6	2063.4
YVSE-166		Barquisimeto	Ve	610	50.000	3462.1	3467.9	157.8	342.3	22.7	34.2	.0	.0	2.58	166.0	248.9	1.250	2423.6S	359.4	2064.2
YVSE-167		Barquisimeto	Ve	610	50.000	3461.8	3467.6	157.9	342.4	22.7	34.2	.0	.0	2.58	167.0	248.9	1.250	2423.1S	358.3	2064.9
YVSE-168		Barquisimeto	Ve	610	50.000	3461.4	3467.2	157.9	342.4	22.7	34.2	.0	.0	2.58	168.0	248.9	1.250	2422.5S	357.1	2065.5
YVSE-169		Barquisimeto	Ve	610	50.000	3461.0	3466.7	158.0	342.5	22.7	34.2	.0	.0	2.58	169.0	248.9	1.250	2421.8S	355.9	2065.9
YVSE-170		Barquisimeto	Ve	610	50.000	3460.4	3466.2	158.1	342.6	22.7	34.2	.0	.0	2.58	170.0	248.9	1.250	2421.0S	354.7	2066.3
YVSE-171		Barquisimeto	Ve	610	50.000	3459.8	3465.6	158.2	342.6	22.7	34.1	.0	.0	2.58	171.0	248.9	1.250	2420.1S	353.6	2066.5
YVSE-172		Barquisimeto	Ve	610	50.000	3459.1	3464.9	158.2	342.7	22.7	34.1	.0	.0	2.58	172.0	248.9	1.250	2419.1S	352.4	2066.6
YVSE-173		Barquisimeto	Ve	610	50.000	3458.4	3464.2	158.3	342.7	22.7	34.1	.0	.0	2.58	173.0	248.9	1.250	2417.9S	351.2	2066.7
YVSE-174		Barquisimeto	Ve	610	50.000	3457.6	3463.4	158.4	342.8	22.7	34.1	.0	.0	2.59	174.0	248.9	1.250	2416.7S	350.1	2066.6
YVSE-175		Barquisimeto	Ve	610	50.000	3456.7	3462.5	158.4	342.8	22.7	34.1	.0	.0	2.59	175.0	248.9	1.250	2415.3S	348.9	2066.4
YVSE-176		Barquisimeto	Ve	610	50.000	3455.8	3461.5	158.5	342.9	22.7	34.1	.0	.0	2.59	176.0	248.9	1.250	2413.9S	347.8	2066.1
YVSE-177		Barquisimeto	Ve	610	50.000	3454.7	3460.5	158.6	343.0	22.7	34.1	.0	.0	2.59	177.0	248.9	1.250	2412.3S	346.6	2065.7
YVSE-178		Barquisimeto	Ve	610	50.000	3453.6	3459.4	158.7	343.0	22.7	34.1	.0	.0	2.59	178.0	248.9	1.250	2410.6S	345.5	2065.2
YVSE-179		Barquisimeto	Ve	610	50.000	3452.5	3458.3	158.7	343.1	22.7	34.1	.0	.0	2.59	179.0	248.9	1.250	2408.9S	344.3	2064.5
YVSE-180		Barquisimeto	Ve	610	50.000	3451.3	3457.1	158.8	343.1	22.7	34.1	.0	.0	2.60	180.0	248.9	1.250	2407.0S	343.2	2063.8
YVSE-181		Barquisimeto	Ve	610	50.000	3450.0	3455.8	158.9	343.2	22.7	34.1	.0	.0	2.60	181.0	248.9	1.250	2405.0S	342.1	2063.0
YVSE-182		Barquisimeto	Ve	610	50.000	3448.6	3454.4	159.0	343.2	22.7	34.1	.0	.0	2.60	182.0	248.9	1.250	2403.0S	340.9	2062.0
YVSE-183		Barquisimeto	Ve	610	50.000	3447.2	3453.0	159.0	343.3	22.7	34.1	.0	.0	2.60	183.0	248.9	1.250	2400.8S	339.8	2061.0
YVSE-184		Barquisimeto	Ve	610	50.000	3445.7	3451.5	159.1	343.4	22.7	34.1	.0	.0	2.61	184.0	248.9	1.250	2398.5S	338.7	2059.8
YVSE-185		Barquisimeto	Ve	610	50.000	3444.1	3449.9	159.2	343.4	22.7	34.1	.0	.0	2.61	185.0	248.9	1.250	2396.1S	337.6	2058.6
YVSE-186		Barquisimeto	Ve	610	50.000	3442.5	3448.3	159.2	343.5	22.7	34.1	.0	.0	2.61	186.0	248.9	1.250	2393.7S	336.5	2057.2
YVSE-187		Barquisimeto	Ve	610	50.000	3440.8	3446.6	159.3	343.5	22.7	34.1	.0	.0	2.61	187.0	248.9	1.250	2391.1S	335.4	2055.7
YVSE-188		Barquisimeto	Ve	610	50.000	3439.0	3444.8	159.4	343.6	22.7	34.1	.0	.0	2.62	188.0	248.9	1.250	2388.4S	334.3	2054.1
YVSE-189		Barquisimeto	Ve	610	50.000	3437.2	3443.0	159.5	343.6	22.7	34.1	.0	.0	2.62	189.0	248.9	1.250	2385.7S	333.2	2052.5
YVSE-190		Barquisimeto	Ve	610	50.000	3435.3	3441.1	159.5	343.7	22.7	34.1	.0	.0	2.62	190.0	248.9	1.250	2382.8S	332.2	2050.7
YVSE-191		Barquisimeto	Ve	610	50.000	3433.4	3439.2	159.6	343.7	22.7	34.1	.0	.0	2.63	191.0	248.9	1.250	2379.9S	331.1	2048.8
YVSE-192		Barquisimeto	Ve	610	50.000	3431.4	3437.2	159.7	343.8	22.7	34.1	.0	.0	2.63	192.0	248.9	1.250	2376.9S	330.0	2046.8
YVSE-193		Barquisimeto	Ve	610	50.000	3429.3	3435.1	159.7	343.8	22.7	34.1	.0	.0	2.63	193.0	248.9	1.250	2373.7S	329.0	2044.7
YVSE-194		Barquisimeto	Ve	610	50.000	3427.1	3433.0	159.8	343.9	22.7	34.1	.0	.0	2.64	194.0	248.9	1.250	2370.5S	327.9	2042.6
YVSE-195		Barquisimeto	Ve	610	50.000	3424.9	3430.8	159.9	343.9	22.7	34.1	.0	.0	2.64	195.0	248.9	1.250	2367.2S	326.9	2040.3
YVSE-196		Barquisimeto	Ve	610	50.000	3422.7	3428.5	159.9	344.0	22.7	34.1	.0	.0	2.64	196.0	248.9	1.250	2363.8S	325.9	2037.9
YVSE-197		Barquisimeto	Ve	610	50.000	3420.3	3426.2	160.0	344.0	22.7	34.2	.0	.0	2.65	197.0	248.9	1.250	2360.3S	324.9	2035.5
YVSE-198		Barquisimeto	Ve	610	50.000	3417.9	3423.8	160.0	344.1	22.7	34.2	.0	.0	2.65	198.0	248.9	1.250	2356.8S	323.9	2032.9
YVSE-199		Barquisimeto	Ve	610	50.000	3415.5	3421.4	160.1	344.1	22.7	34.2	.0	.0	2.66	199.0	248.9	1.250	2353.1S	322.9	2030.2

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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	
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
YVSE-200		Barquisimeto	Ve	610	50.000	3413.0	3418.9	160.2	344.2	22.7	34.2	.0	.0	2.66	200.0	248.9	1.250	2349.4S	321.9	2027.5
YVSE-201		Barquisimeto	Ve	610	50.000	3410.4	3416.3	160.2	344.2	22.7	34.2	.0	.0	2.66	201.0	248.9	1.250	2345.6S	320.9	2024.6
YVSE-202		Barquisimeto	Ve	610	50.000	3407.8	3413.7	160.3	344.3	22.7	34.2	.0	.0	2.67	202.0	248.9	1.250	2341.7S	320.0	2021.7
YVSE-203		Barquisimeto	Ve	610	50.000	3405.1	3411.0	160.4	344.3	22.7	34.2	.0	.0	2.67	203.0	248.9	1.250	2337.7S	319.0	2018.7
YVSE-204		Barquisimeto	Ve	610	50.000	3402.4	3408.3	160.4	344.4	22.8	34.2	.0	.0	2.68	204.0	248.9	1.250	2333.7S	318.1	2015.6
YVSE-205		Barquisimeto	Ve	610	50.000	3399.6	3405.5	160.5	344.4	22.8	34.2	.0	.0	2.68	205.0	248.9	1.250	2329.6S	317.2	2012.4
YVSE-206		Barquisimeto	Ve	610	50.000	3396.8	3402.7	160.5	344.5	22.8	34.2	.0	.0	2.69	206.0	248.9	1.250	2325.4S	316.3	2009.1
YVSE-207		Barquisimeto	Ve	610	50.000	3393.9	3399.8	160.6	344.5	22.8	34.2	.0	.0	2.69	207.0	248.9	1.250	2321.1S	315.4	2005.8
YVSE-208		Barquisimeto	Ve	610	50.000	3390.9	3396.8	160.6	344.6	22.8	34.2	.0	.0	2.70	208.0	248.9	1.250	2316.8S	314.5	2002.3
YVSE-209		Barquisimeto	Ve	610	50.000	3387.9	3393.8	160.7	344.6	22.8	34.2	.0	.0	2.71	209.0	248.9	1.250	2310.4S	313.6	1996.8
YVSE-210		Barquisimeto	Ve	610	50.000	3384.9	3390.8	160.8	344.6	22.8	34.2	.0	.0	2.71	210.0	248.9	1.250	2305.5S	312.7	1992.8
YVSE-211		Barquisimeto	Ve	610	50.000	3381.8	3387.7	160.8	344.7	22.8	34.3	.0	.0	2.72	211.0	248.9	1.250	2300.5S	311.9	1988.6
YVSE-212		Barquisimeto	Ve	610	50.000	3378.6	3384.5	160.9	344.7	22.8	34.3	.0	.0	2.72	212.0	248.9	1.250	2295.4S	311.1	1984.3
YVSE-213		Barquisimeto	Ve	610	50.000	3375.4	3381.3	160.9	344.8	22.8	34.3	.0	.0	2.73	213.0	248.9	1.250	2290.2S	310.2	1980.0
YVSE-214		Barquisimeto	Ve	610	50.000	3372.1	3378.1	161.0	344.8	22.8	34.3	.0	.0	2.74	214.0	248.9	1.250	2285.0S	309.4	1975.6
YVSE-215		Barquisimeto	Ve	610	50.000	3368.8	3374.8	161.0	344.8	22.9	34.3	.0	.0	2.74	215.0	248.9	1.250	2279.7S	308.7	1971.1
YVSE-216		Barquisimeto	Ve	610	50.000	3365.5	3371.4	161.1	344.9	22.9	34.3	.0	.0	2.75	216.0	248.9	1.250	2274.3S	307.9	1966.5
YVSE-217		Barquisimeto	Ve	610	50.000	3362.1	3368.0	161.1	344.9	22.9	34.3	.0	.0	2.75	217.0	248.9	1.250	2268.9S	307.1	1961.8
YVSE-218		Barquisimeto	Ve	610	50.000	3358.7	3364.6	161.2	345.0	22.9	34.3	.0	.0	2.76	218.0	248.9	1.250	2263.5S	306.4	1957.1
YVSE-219		Barquisimeto	Ve	610	50.000	3355.2	3361.1	161.2	345.0	22.9	34.3	.0	.0	2.77	219.0	248.9	1.250	2257.9S	305.6	1952.3
YVSE-220		Barquisimeto	Ve	610	50.000	3351.7	3357.6	161.3	345.0	22.9	34.3	.0	.0	2.77	220.0	248.9	1.250	2252.4S	304.9	1947.4
YVSE-221		Barquisimeto	Ve	610	50.000	3348.1	3354.1	161.3	345.1	22.9	34.4	.0	.0	2.78	221.0	248.9	1.250	2246.7S	304.2	1942.5
YVSE-222		Barquisimeto	Ve	610	50.000	3344.5	3350.5	161.3	345.1	22.9	34.4	.0	.0	2.79	222.0	248.9	1.250	2241.0S	303.6	1937.5
YVSE-223		Barquisimeto	Ve	610	50.000	3340.8	3346.8	161.4	345.1	22.9	34.4	.0	.0	2.80	223.0	248.9	1.250	2235.3S	302.9	1932.4
YVSE-224		Barquisimeto	Ve	610	50.000	3337.1	3343.1	161.4	345.2	23.0	34.4	.0	.0	2.80	224.0	248.9	1.250	2229.5S	302.2	1927.3
YVSE-225		Barquisimeto	Ve	610	50.000	3333.4	3339.4	161.5	345.2	23.0	34.4	.0	.0	2.81	225.0	248.9	1.250	2223.7S	301.6	1922.1
YVSE-226		Barquisimeto	Ve	610	50.000	3329.7	3335.7	161.5	345.2	23.0	34.4	.0	.0	2.82	226.0	248.9	1.250	2217.8S	301.0	1916.8
YVSE-227		Barquisimeto	Ve	610	50.000	3325.9	3331.9	161.5	345.2	23.0	34.4	.0	.0	2.83	227.0	248.9	1.250	2211.9S	300.4	1911.5
YVSE-228		Barquisimeto	Ve	610	50.000	3322.0	3328.0	161.6	345.3	23.0	34.4	.0	.0	2.83	228.0	248.9	1.250	2206.0S	299.8	1906.1
YVSE-229		Barquisimeto	Ve	610	50.000	3318.2	3324.2	161.6	345.3	23.0	34.5	.0	.0	2.84	229.0	248.9	1.250	2200.0S	299.3	1900.7
YVSE-230		Barquisimeto	Ve	610	50.000	3314.3	3320.3	161.7	345.3	23.0	34.5	.0	.0	2.85	230.0	248.9	1.250	2194.0S	298.7	1895.2
YVSE-231		Barquisimeto	Ve	610	50.000	3310.3	3316.4	161.7	345.4	23.1	34.5	.0	.0	2.86	231.0	248.9	1.250	2187.9S	298.2	1889.7
YVSE-232		Barquisimeto	Ve	610	50.000	3306.4	3312.4	161.7	345.4	23.1	34.5	.0	.0	2.86	232.0	248.9	1.250	2181.8S	297.7	1884.1
YVSE-233		Barquisimeto	Ve	610	50.000	3302.4	3308.4	161.7	345.4	23.1	34.5	.0	.0	2.87	233.0	248.9	1.250	2175.7S	297.2	1878.5
YVSE-234		Barquisimeto	Ve	610	50.000	3298.4	3304.4	161.8	345.4	23.1	34.5	.0	.0	2.88	234.0	248.9	1.250	2169.6S	296.7	1872.8

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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	
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
YVSE-235		Barquisimeto	Ve	610	50.000	3294.3	3300.4	161.8	345.4	23.1	34.5	.0	.0	2.89	235.0	248.9	1.250	2163.4S	296.3	1867.1
YVSE-236		Barquisimeto	Ve	610	50.000	3290.2	3296.3	161.8	345.5	23.1	34.6	.0	.0	2.90	236.0	248.9	1.250	2157.2S	295.9	1861.4
YVSE-237		Barquisimeto	Ve	610	50.000	3286.1	3292.2	161.9	345.5	23.2	34.6	.0	.0	2.91	237.0	248.9	1.250	2151.4S	295.5	1855.9
YVSE-238		Barquisimeto	Ve	610	50.000	3282.0	3288.1	161.9	345.5	23.2	34.6	.0	.0	2.91	238.0	248.9	1.250	2145.3S	295.1	1850.2
YVSE-239		Barquisimeto	Ve	610	50.000	3277.9	3284.0	161.9	345.5	23.2	34.6	.0	.0	2.92	239.0	248.9	1.250	2139.1S	294.7	1844.4
YVSE-240		Barquisimeto	Ve	610	50.000	3273.7	3279.8	161.9	345.5	23.2	34.6	.0	.0	2.93	240.0	248.9	1.250	2133.0S	294.4	1838.6
YVSE-241		Barquisimeto	Ve	610	50.000	3269.5	3275.6	162.0	345.6	23.2	34.6	.0	.0	2.94	241.0	248.9	1.250	2126.8S	294.0	1832.8
YVSE-242		Barquisimeto	Ve	610	50.000	3265.3	3271.4	162.0	345.6	23.2	34.7	.0	.0	2.95	242.0	248.9	1.250	2120.7S	293.7	1826.9
YVSE-243		Barquisimeto	Ve	610	50.000	3261.1	3267.2	162.0	345.6	23.3	34.7	.0	.0	2.96	243.0	248.9	1.250	2114.5S	293.4	1821.1
YVSE-244		Barquisimeto	Ve	610	50.000	3256.8	3263.0	162.0	345.6	23.3	34.7	.0	.0	2.96	244.0	248.9	1.250	2108.3S	293.2	1815.1
YVSE-245		Barquisimeto	Ve	610	50.000	3252.4	3258.6	162.0	345.6	23.3	34.7	.0	.0	2.97	245.0	248.0	1.253	2107.1s	293.2	1813.9
YVSE-246		Barquisimeto	Ve	610	50.000	3247.1	3253.3	161.9	345.5	23.3	34.7	.0	.0	2.98	246.0	242.0	1.258	2108.2s	294.6	1813.5
YVSE-247		Barquisimeto	Ve	610	50.000	3241.8	3248.0	161.8	345.4	23.3	34.8	.0	.0	3.00	247.0	234.7	1.268	2117.2s	296.5	1820.7
YVSE-248		Barquisimeto	Ve	610	50.000	3235.8	3241.9	161.5	345.2	23.4	34.8	.0	.0	3.01	248.0	219.6	1.288	2141.2s	300.7	1840.5
YVSE-249		Barquisimeto	Ve	610	50.000	3232.0	3238.2	161.5	345.2	23.4	34.8	.0	.0	3.02	249.0	219.7	1.288	2135.4s	300.5	1834.8
YVSE-250		Barquisimeto	Ve	610	50.000	3228.1	3234.3	161.5	345.2	23.4	34.9	.0	.0	3.02	250.0	219.0	1.289	2131.3s	300.6	1830.7
YVSE-251		Barquisimeto	Ve	610	50.000	3224.2	3230.4	161.5	345.2	23.4	34.9	.0	.0	3.03	251.0	218.1	1.290	2127.6s	300.8	1826.8
YVSE-252		Barquisimeto	Ve	610	50.000	3220.4	3226.6	161.5	345.2	23.5	34.9	.0	.0	3.04	252.0	217.3	1.291	2123.8s	300.9	1822.9
YVSE-253		Barquisimeto	Ve	610	50.000	3216.6	3222.8	161.5	345.2	23.5	34.9	.0	.0	3.05	253.0	216.5	1.292	2120.1s	301.1	1819.0
YVSE-254		Barquisimeto	Ve	610	50.000	3212.7	3219.0	161.5	345.1	23.5	34.9	.0	.0	3.06	254.0	214.9	1.295	2118.0s	301.5	1816.5
YVSE-255		Barquisimeto	Ve	610	50.000	3209.0	3215.2	161.4	345.1	23.5	34.9	.0	.0	3.06	255.0	212.0	1.298	2118.5s	302.4	1816.1
YVSE-256		Barquisimeto	Ve	610	50.000	3205.3	3211.5	161.4	345.1	23.5	35.0	.0	.0	3.07	256.0	210.1	1.303	2120.6g	302.9	1817.7
YVSE-257		Barquisimeto	Ve	610	50.000	3201.7	3207.9	161.4	345.1	23.6	35.0	.0	.0	3.08	257.0	208.8	1.314	2134.0g	303.3	1830.7
YVSE-258		Barquisimeto	Ve	610	50.000	3198.1	3204.3	161.3	345.0	23.6	35.0	.0	.0	3.09	258.0	207.7	1.324	2144.0g	303.7	1840.3
YVSE-259		Barquisimeto	Ve	610	50.000	3194.5	3200.7	161.3	345.0	23.6	35.0	.0	.0	3.10	259.0	207.5	1.317	2128.1g	303.8	1824.3
YVSE-260		Barquisimeto	Ve	610	50.000	3190.9	3197.1	161.3	345.0	23.6	35.0	.0	.0	3.10	260.0	207.4	1.310	2111.5g	303.9	1807.5
YVSE-261		Barquisimeto	Ve	610	50.000	3187.3	3193.5	161.3	345.0	23.6	35.0	.0	.0	3.11	261.0	207.2	1.304	2093.7s	304.1	1789.7
YVSE-262		Barquisimeto	Ve	610	50.000	3183.7	3190.0	161.3	345.0	23.6	35.1	.0	.0	3.12	262.0	207.1	1.304	2088.2s	304.2	1784.0
YVSE-263		Barquisimeto	Ve	610	50.000	3180.0	3186.3	161.3	345.0	23.6	35.1	.0	.0	3.13	263.0	207.8	1.303	2081.1s	304.1	1777.0
YVSE-264		Barquisimeto	Ve	610	50.000	3176.2	3182.5	161.3	345.0	23.7	35.1	.0	.0	3.14	264.0	209.5	1.301	2071.8s	303.8	1768.1
YVSE-265		Barquisimeto	Ve	610	50.000	3171.9	3178.2	161.4	345.1	23.7	35.1	.0	.0	3.15	265.0	213.5	1.296	2057.4s	302.8	1754.6
YVSE-266		Barquisimeto	Ve	610	50.000	3167.0	3173.3	161.5	345.2	23.7	35.1	.0	.0	3.16	266.0	220.2	1.287	2035.0s	301.1	1734.0
YVSE-267		Barquisimeto	Ve	610	50.000	3162.7	3169.0	161.5	345.2	23.7	35.1	.0	.0	3.17	267.0	222.9	1.282	2020.1s	300.5	1719.6
YVSE-268		Barquisimeto	Ve	610	50.000	3158.6	3165.0	161.5	345.2	23.7	35.1	.0	.0	3.18	268.0	224.0	1.281	2012.0s	300.4	1711.6
YVSE-269		Barquisimeto	Ve	610	50.000	3154.6	3160.9	161.5	345.2	23.7	35.2	.0	.0	3.19	269.0	225.1	1.280	2003.8s	300.3	1703.5

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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	
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
YVSE-270		Barquisimeto	Ve	610	50.000	3150.5	3156.8	161.6	345.2	23.8	35.2	.0	.0	3.20	270.0	226.3	1.278	1995.6s	300.3	1695.3
YVSE-271		Barquisimeto	Ve	610	50.000	3146.4	3152.7	161.6	345.2	23.8	35.2	.0	.0	3.21	271.0	227.4	1.277	1987.3s	300.3	1687.1
YVSE-272		Barquisimeto	Ve	610	50.000	3141.5	3147.9	161.6	345.2	23.8	35.2	.0	.0	3.23	272.0	231.1	1.273	1973.2s	299.5	1673.6
YVSE-273		Barquisimeto	Ve	610	50.000	3136.1	3142.5	161.7	345.3	23.8	35.2	.0	.0	3.24	273.0	236.1	1.267	1955.3s	298.5	1656.8
YVSE-274		Barquisimeto	Ve	610	50.000	3131.3	3137.7	161.7	345.3	23.8	35.3	.0	.0	3.25	274.0	239.0	1.263	1942.0s	298.0	1644.0
YVSE-275		Barquisimeto	Ve	610	50.000	3126.5	3132.9	161.7	345.3	23.9	35.3	.0	.0	3.26	275.0	241.5	1.259	1929.4s	297.7	1631.7
YVSE-276		Barquisimeto	Ve	610	50.000	3121.5	3127.9	161.7	345.3	23.9	35.3	.0	.0	3.28	276.0	244.5	1.255	1915.1s	297.3	1617.8
YVSE-277		Barquisimeto	Ve	610	50.000	3115.9	3122.4	161.8	345.4	23.9	35.3	.0	.0	3.29	277.0	248.9	1.250	1899.9S	296.5	1603.3
YVSE-278		Barquisimeto	Ve	610	50.000	3111.9	3118.3	161.8	345.3	23.9	35.3	.0	.0	3.30	278.0	248.9	1.250	1894.0S	297.0	1597.0
YVSE-279		Barquisimeto	Ve	610	50.000	3107.9	3114.3	161.7	345.3	23.9	35.4	.0	.0	3.31	279.0	248.9	1.250	1888.1S	297.5	1590.6
YVSE-280		Barquisimeto	Ve	610	50.000	3103.9	3110.4	161.7	345.3	24.0	35.4	.0	.0	3.32	280.0	248.9	1.250	1882.3S	298.0	1584.3
YVSE-281		Barquisimeto	Ve	610	50.000	3100.0	3106.4	161.7	345.3	24.0	35.4	.0	.0	3.33	281.0	248.9	1.250	1876.6S	298.6	1578.0
YVSE-282		Barquisimeto	Ve	610	50.000	3096.1	3102.5	161.6	345.2	24.0	35.4	.0	.0	3.34	282.0	248.9	1.250	1871.0S	299.2	1571.8
YVSE-283		Barquisimeto	Ve	610	50.000	3092.2	3098.7	161.6	345.2	24.0	35.4	.0	.0	3.35	283.0	248.9	1.250	1865.4S	299.8	1565.6
YVSE-284		Barquisimeto	Ve	610	50.000	3088.4	3094.8	161.5	345.2	24.0	35.5	.0	.0	3.36	284.0	248.9	1.250	1860.1S	300.4	1559.8
YVSE-285		Barquisimeto	Ve	610	50.000	3084.6	3091.1	161.5	345.1	24.0	35.5	.0	.0	3.37	285.0	248.9	1.250	1854.8S	301.0	1553.8
YVSE-286		Barquisimeto	Ve	610	50.000	3080.8	3087.3	161.5	345.1	24.1	35.5	.0	.0	3.38	286.0	248.9	1.250	1849.5S	301.7	1547.8
YVSE-287		Barquisimeto	Ve	610	50.000	3077.1	3083.6	161.4	345.1	24.1	35.5	.0	.0	3.39	287.0	248.9	1.250	1844.3S	302.3	1541.9
YVSE-288		Barquisimeto	Ve	610	50.000	3073.4	3079.9	161.4	345.0	24.1	35.5	.0	.0	3.40	288.0	248.9	1.250	1839.1S	303.0	1536.1
YVSE-289		Barquisimeto	Ve	610	50.000	3069.8	3076.3	161.3	345.0	24.1	35.5	.0	.0	3.41	289.0	248.9	1.250	1834.0S	303.8	1530.3
YVSE-290		Barquisimeto	Ve	610	50.000	3066.2	3072.7	161.3	344.9	24.1	35.6	.0	.0	3.42	290.0	248.9	1.250	1829.0S	304.5	1524.5
YVSE-291		Barquisimeto	Ve	610	50.000	3062.6	3069.2	161.2	344.9	24.2	35.6	.0	.0	3.43	291.0	248.9	1.250	1824.1S	305.3	1518.8
YVSE-292		Barquisimeto	Ve	610	50.000	3059.1	3065.7	161.2	344.9	24.2	35.6	.0	.0	3.44	292.0	248.9	1.250	1819.2S	306.1	1513.2
YVSE-293		Barquisimeto	Ve	610	50.000	3055.7	3062.2	161.1	344.8	24.2	35.6	.0	.0	3.44	293.0	248.9	1.250	1814.5S	306.9	1507.6
YVSE-294		Barquisimeto	Ve	610	50.000	3053.7	3060.2	161.0	344.7	24.2	35.6	.0	.0	3.45	294.0	246.7	1.251	1813.6s	308.2	1505.4
YVSE-295		Barquisimeto	Ve	610	50.000	3052.8	3059.4	160.9	344.7	24.2	35.6	.0	.0	3.45	295.0	242.8	1.257	1820.9s	310.0	1510.9
YVSE-296		Barquisimeto	Ve	610	50.000	3052.1	3058.6	160.8	344.6	24.2	35.7	.0	.0	3.45	296.0	239.1	1.263	1827.6s	311.7	1515.9
YVSE-297		Barquisimeto	Ve	610	50.000	3051.1	3057.7	160.7	344.5	24.2	35.7	.0	.0	3.46	297.0	235.8	1.267	1832.7s	313.3	1519.4
YVSE-298		Barquisimeto	Ve	610	50.000	3050.3	3056.9	160.6	344.4	24.3	35.7	.0	.0	3.46	298.0	232.6	1.271	1837.6s	314.8	1522.8
YVSE-299		Barquisimeto	Ve	610	50.000	3049.3	3055.8	160.5	344.3	24.3	35.7	.0	.0	3.46	299.0	229.9	1.274	1840.9s	316.3	1524.6
YVSE-300		Barquisimeto	Ve	610	50.000	3047.8	3054.3	160.5	344.3	24.3	35.7	.0	.0	3.47	300.0	228.0	1.277	1842.0s	317.6	1524.4
YVSE-301		Barquisimeto	Ve	610	50.000	3046.5	3053.1	160.4	344.2	24.3	35.7	.0	.0	3.47	301.0	225.9	1.279	1843.6s	318.9	1524.7
YVSE-302		Barquisimeto	Ve	610	50.000	3045.4	3052.0	160.3	344.1	24.3	35.7	.0	.0	3.47	302.0	223.7	1.281	1845.3s	320.2	1525.1
YVSE-303		Barquisimeto	Ve	610	50.000	3044.6	3051.1	160.2	344.1	24.3	35.7	.0	.0	3.47	303.0	221.4	1.285	1850.2s	321.6	1528.6
YVSE-304		Barquisimeto	Ve	610	50.000	3043.9	3050.5	160.1	344.0	24.3	35.7	.0	.0	3.48	304.0	218.9	1.289	1854.5s	323.0	1531.5

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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	
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)						Rad. (mV/m)	Margin (mV/m)
YVSE-305		Barquisimeto	Ve	610	50.000	3043.5	3050.1	160.0	343.9	24.3	35.8	.0	.0	3.48	305.0	216.3	1.293	1859.3s	324.4	1534.9
YVSE-306		Barquisimeto	Ve	610	50.000	3043.8	3050.4	159.9	343.8	24.3	35.8	.0	.0	3.48	306.0	212.9	1.297	1866.1s	325.9	1540.2
YVSE-307		Barquisimeto	Ve	610	50.000	3044.3	3050.8	159.8	343.8	24.3	35.8	.0	.0	3.47	307.0	209.5	1.301	1872.6s	327.5	1545.2
YVSE-308		Barquisimeto	Ve	610	50.000	3045.2	3051.7	159.7	343.7	24.3	35.8	.0	.0	3.47	308.0	205.7	1.305	1879.8s	329.0	1550.8
YVSE-309		Barquisimeto	Ve	610	50.000	3046.5	3053.1	159.6	343.6	24.3	35.8	.0	.0	3.47	309.0	201.5	1.309	1887.7s	330.7	1557.0
YVSE-310		Barquisimeto	Ve	610	50.000	3047.8	3054.4	159.5	343.5	24.3	35.8	.0	.0	3.47	310.0	197.6	1.314	1896.5s	332.2	1564.2
YVSE-311		Barquisimeto	Ve	610	50.000	3048.9	3055.4	159.4	343.4	24.3	35.8	.0	.0	3.46	311.0	194.1	1.319	1904.7s	333.7	1571.0
YVSE-312		Barquisimeto	Ve	610	50.000	3049.2	3055.7	159.3	343.4	24.4	35.8	.0	.0	3.46	312.0	191.6	1.322	1909.6s	335.0	1574.6
YVSE-313		Barquisimeto	Ve	610	50.000	3047.9	3054.5	159.3	343.3	24.4	35.8	.0	.0	3.46	313.0	191.1	1.323	1908.7s	335.9	1572.8
YVSE-314		Barquisimeto	Ve	610	50.000	3047.1	3053.6	159.2	343.3	24.4	35.8	.0	.0	3.47	314.0	190.1	1.324	1909.0s	337.0	1572.0
YVSE-315		Barquisimeto	Ve	610	50.000	3047.3	3053.9	159.1	343.2	24.4	35.8	.0	.0	3.47	315.0	188.0	1.326	1912.8s	338.2	1574.6
YVSE-316		Barquisimeto	Ve	610	50.000	3046.9	3053.5	159.1	343.2	24.4	35.8	.0	.0	3.47	316.0	186.7	1.327	1914.0s	339.2	1574.8
YVSE-317		Barquisimeto	Ve	610	50.000	3046.6	3053.2	159.0	343.1	24.4	35.8	.0	.0	3.47	317.0	185.4	1.329	1916.0s	340.3	1575.7
YVSE-318		Barquisimeto	Ve	610	50.000	3046.3	3052.9	158.9	343.0	24.4	35.8	.0	.0	3.47	318.0	184.2	1.333	1920.8g	341.3	1579.4
YVSE-319		Barquisimeto	Ve	610	50.000	3046.4	3052.9	158.9	343.0	24.4	35.8	.0	.0	3.47	319.0	182.7	1.355	1952.8g	342.4	1610.4
YVSE-320		Barquisimeto	Ve	610	50.000	3046.5	3053.1	158.8	342.9	24.4	35.8	.0	.0	3.47	320.0	181.1	1.378	1986.9g	343.5	1643.4
YVSE-321		Barquisimeto	Ve	610	50.000	3046.6	3053.2	158.7	342.9	24.4	35.8	.0	.0	3.47	321.0	179.7	1.400	2018.6g	344.6	1674.1
YVSE-322		Barquisimeto	Ve	610	50.000	3045.6	3052.2	158.7	342.8	24.4	35.9	.0	.0	3.47	322.0	179.5	1.400	2016.5g	345.5	1671.0
YVSE-323		Barquisimeto	Ve	610	50.000	3044.6	3051.2	158.6	342.8	24.4	35.9	.0	.0	3.47	323.0	179.4	1.399	2014.0g	346.4	1667.7
YVSE-324		Barquisimeto	Ve	610	50.000	3043.7	3050.3	158.6	342.7	24.4	35.9	.0	.0	3.48	324.0	179.3	1.398	2011.2g	347.3	1663.9
YVSE-325		Barquisimeto	Ve	610	50.000	3042.9	3049.5	158.5	342.7	24.4	35.9	.0	.0	3.48	325.0	179.1	1.397	2008.0g	348.2	1659.8
YVSE-326		Barquisimeto	Ve	610	50.000	3041.7	3048.2	158.4	342.6	24.4	35.9	.0	.0	3.48	326.0	179.4	1.387	1992.5g	349.1	1643.4
YVSE-327		Barquisimeto	Ve	610	50.000	3041.3	3047.8	158.4	342.6	24.5	35.9	.0	.0	3.48	327.0	178.9	1.391	1997.7g	350.1	1647.7
YVSE-327		Barquisimeto	Ve	610	50.000	3021.0	3027.6	158.5	342.7	24.5	36.0	.0	.0	3.54	327.0	200.0	1.311	1853.3s	348.3	1505.0
YVSE-327		Barquisimeto	Ve	610	50.000	3015.5	3022.2	158.5	342.7	24.6	36.0	.0	.0	3.55	327.0	205.7	1.305	1838.1s	347.8	1490.3
YVSE-328		Barquisimeto	Ve	610	50.000	3041.5	3048.1	158.3	342.5	24.5	35.9	.0	.0	3.48	328.0	177.8	1.405	2018.3g	351.1	1667.2
YVSE-328		Barquisimeto	Ve	610	50.000	3022.0	3028.6	158.4	342.6	24.5	36.0	.0	.0	3.53	328.0	198.0	1.314	1858.7s	349.5	1509.2
YVSE-328		Barquisimeto	Ve	610	50.000	3007.4	3014.0	158.5	342.7	24.6	36.0	.0	.0	3.57	328.0	213.1	1.297	1814.8s	348.3	1466.5
YVSE-329		Barquisimeto	Ve	610	50.000	3039.3	3045.8	158.3	342.5	24.5	35.9	.0	.0	3.49	329.0	179.4	1.374	1970.1g	351.9	1618.2
YVSE-329		Barquisimeto	Ve	610	50.000	3022.0	3028.6	158.3	342.6	24.5	36.0	.0	.0	3.53	329.0	197.1	1.315	1860.5s	350.6	1509.9
YVSE-329		Barquisimeto	Ve	610	50.000	2989.0	2995.7	158.5	342.7	24.7	36.1	.0	.0	3.63	329.0	231.1	1.273	1755.5s	348.1	1407.4
YVSE-330		Barquisimeto	Ve	610	50.000	3035.9	3042.5	158.2	342.5	24.5	35.9	.0	.0	3.50	330.0	182.1	1.333	1905.7s	352.6	1553.1
YVSE-330		Barquisimeto	Ve	610	50.000	3022.1	3028.7	158.3	342.5	24.5	36.0	.0	.0	3.53	330.0	196.2	1.316	1862.4s	351.7	1510.7
YVSE-330		Barquisimeto	Ve	610	50.000	2983.8	2990.5	158.4	342.6	24.7	36.1	.0	.0	3.64	330.0	235.4	1.267	1740.8s	349.0	1391.8
YVSE-331		Barquisimeto	Ve	610	50.000	3037.2	3043.8	158.1	342.4	24.5	35.9	.0	.0	3.49	331.0	180.1	1.352	1934.8g	353.7	1581.1

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz

Database: FCC

Latitude: N 37° 18' 11.0"

Longitude: W 80° 02' 33.0"

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)
								To (deg)	From (deg)	GC (deg)	GMag (deg)	Min (deg)	Max (deg)							
YVSE-331		Barquisimeto	Ve	610	50.000	3022.3	3028.9	158.2	342.4	24.5	36.0	.0	.0	3.53	331.0	195.3	1.317	1864.3s	352.8	1511.6
YVSE-331		Barquisimeto	Ve	610	50.000	2979.8	2986.5	158.4	342.6	24.7	36.2	.0	.0	3.65	331.0	238.7	1.263	1729.1s	350.0	1379.0
YVSE-332		Barquisimeto	Ve	610	50.000	3042.2	3048.8	158.1	342.3	24.5	35.9	.0	.0	3.48	332.0	174.4	1.443	2073.5g	355.0	1718.6
YVSE-332		Barquisimeto	Ve	610	50.000	3022.5	3029.1	158.1	342.4	24.6	36.0	.0	.0	3.53	332.0	194.4	1.319	1866.3s	353.8	1512.5
YVSE-332		Barquisimeto	Ve	610	50.000	2976.1	2982.8	158.3	342.5	24.7	36.2	.0	.0	3.66	332.0	241.6	1.259	1718.3s	351.1	1367.1
YVSE-333		Barquisimeto	Ve	610	50.000	3049.3	3055.8	158.0	342.3	24.5	35.9	.0	.0	3.46	333.0	166.6	1.586	2291.0g	356.3	1934.7
YVSE-333		Barquisimeto	Ve	610	50.000	3022.8	3029.4	158.1	342.3	24.6	36.0	.0	.0	3.53	333.0	193.5	1.320	1868.4s	354.9	1513.5
YVSE-333		Barquisimeto	Ve	610	50.000	2972.6	2979.3	158.2	342.4	24.8	36.2	.0	.0	3.67	333.0	244.4	1.255	1707.9s	352.3	1355.6
YVSE-334		Barquisimeto	Ve	610	50.000	3051.4	3057.9	157.9	342.2	24.4	35.9	.0	.0	3.46	334.0	164.1	1.652	2390.6g	357.3	2033.4
YVSE-334		Barquisimeto	Ve	610	50.000	3022.8	3029.4	158.0	342.3	24.6	36.0	.0	.0	3.53	334.0	192.9	1.320	1869.5s	356.0	1513.5
YVSE-334		Barquisimeto	Ve	610	50.000	2969.3	2976.0	158.2	342.4	24.8	36.2	.0	.0	3.68	334.0	247.0	1.251	1697.8s	353.5	1344.4
YVSE-335		Barquisimeto	Ve	610	50.000	3052.4	3059.0	157.9	342.2	24.4	35.9	.0	.0	3.45	335.0	162.6	1.699	2459.9g	358.2	2101.7
YVSE-335		Barquisimeto	Ve	610	50.000	3022.9	3029.5	157.9	342.2	24.6	36.0	.0	.0	3.53	335.0	192.4	1.321	1870.5s	357.0	1513.5
YVSE-335		Barquisimeto	Ve	610	50.000	2967.6	2974.4	158.1	342.3	24.8	36.2	.0	.0	3.69	335.0	248.1	1.253	1698.2s	354.8	1343.4
YVSE-336		Barquisimeto	Ve	610	50.000	3053.1	3059.7	157.8	342.1	24.4	35.9	.0	.0	3.45	336.0	161.6	1.727	2502.3g	359.1	2143.2
YVSE-336		Barquisimeto	Ve	610	50.000	3023.1	3029.7	157.9	342.2	24.6	36.0	.0	.0	3.53	336.0	191.8	1.322	1871.7s	358.1	1513.7
YVSE-336		Barquisimeto	Ve	610	50.000	2966.7	2973.5	158.0	342.2	24.8	36.2	.0	.0	3.69	336.0	248.5	1.251	1695.0s	356.1	1338.9
YVSE-337		Barquisimeto	Ve	610	50.000	2965.9	2972.6	157.9	342.2	24.8	36.3	.0	.0	3.69	337.0	248.9	1.250	1692.2S	357.4	1334.7
YVSE-338		Barquisimeto	Ve	610	50.000	2965.5	2972.3	157.8	342.1	24.8	36.3	.0	.0	3.69	338.0	248.9	1.250	1691.7S	358.8	1332.9
YVSE-339		Barquisimeto	Ve	610	50.000	2965.3	2972.0	157.7	342.0	24.8	36.3	.0	.0	3.70	339.0	248.9	1.250	1691.3S	360.1	1331.1
YVSE-340		Barquisimeto	Ve	610	50.000	2967.2	2973.9	157.6	342.0	24.8	36.3	.0	.0	3.69	340.0	246.8	1.251	1695.5s	361.5	1334.0
YVSE-341		Barquisimeto	Ve	610	50.000	2971.4	2978.1	157.6	341.9	24.8	36.3	.0	.0	3.68	341.0	242.4	1.258	1710.1s	362.9	1347.3
YVSE-342		Barquisimeto	Ve	610	50.000	2986.5	2993.1	157.5	341.8	24.8	36.2	.0	.0	3.63	342.0	227.3	1.330	1830.9g	364.2	1466.7
YVSE-342		Barquisimeto	Ve	610	50.000	3001.5	3008.2	157.5	341.9	24.7	36.1	.0	.0	3.59	342.0	212.3	1.430	1991.6g	364.2	1627.4
YVSE-342		Barquisimeto	Ve	610	50.000	3045.8	3052.3	157.5	341.9	24.5	36.0	.0	.0	3.47	342.0	168.0	1.765	2542.5g	364.2	2178.3
YVSE-343		Barquisimeto	Ve	610	50.000	3053.7	3060.3	157.4	341.8	24.5	35.9	.0	.0	3.45	343.0	160.1	1.850	2680.9g	365.0	2315.8
YVSE-344		Barquisimeto	Ve	610	50.000	3056.5	3063.0	157.4	341.8	24.5	35.9	.0	.0	3.44	344.0	157.4	1.919	2787.6g	365.9	2421.8
YVSE-345		Barquisimeto	Ve	610	50.000	3056.4	3063.0	157.3	341.8	24.5	35.9	.0	.0	3.44	345.0	157.6	1.926	2796.7g	366.7	2430.1
YVSE-346		Barquisimeto	Ve	610	50.000	3055.1	3061.6	157.3	341.7	24.5	35.9	.0	.0	3.45	346.0	159.1	1.923	2790.1g	367.6	2422.6
YVSE-347		Barquisimeto	Ve	610	50.000	3054.4	3060.9	157.2	341.7	24.5	35.9	.0	.0	3.45	347.0	160.1	1.932	2802.3g	368.4	2433.9
YVSE-348		Barquisimeto	Ve	610	50.000	3054.8	3061.4	157.1	341.6	24.5	35.9	.0	.0	3.45	348.0	159.9	1.952	2831.0g	369.3	2461.7
YVSE-349		Barquisimeto	Ve	610	50.000	3056.1	3062.6	157.1	341.6	24.5	35.9	.0	.0	3.44	349.0	158.9	1.978	2872.6g	370.1	2502.5
YVSE-350		Barquisimeto	Ve	610	50.000	3057.4	3064.0	157.0	341.5	24.5	35.9	.0	.0	3.44	350.0	158.0	2.005	2913.8g	370.8	2543.0
YVSE-351		Barquisimeto	Ve	610	50.000	3059.2	3065.7	157.0	341.5	24.5	35.9	.0	.0	3.44	351.0	156.7	2.032	2957.7g	371.6	2586.1
YVSE-352		Barquisimeto	Ve	610	50.000	3060.3	3066.8	156.9	341.5	24.5	35.9	.0	.0	3.43	352.0	156.0	2.053	2990.1g	372.4	2617.7

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
YVSE-353		Barquisimeto	Ve	610	50.000	3060.9	3067.4	156.9	341.4	24.5	35.9	.0	.0	3.43	353.0	155.9	2.066	3010.5g	373.2	2637.3
YVSE-354		Barquisimeto	Ve	610	50.000	3060.9	3067.5	156.8	341.4	24.5	35.9	.0	.0	3.43	354.0	156.5	2.072	3019.3g	374.0	2645.3
YVSE-355		Barquisimeto	Ve	610	50.000	3060.3	3066.8	156.8	341.3	24.5	35.9	.0	.0	3.43	355.0	157.7	2.069	3013.6g	374.9	2638.7
YVSE-356		Barquisimeto	Ve	610	50.000	3059.9	3066.4	156.7	341.3	24.5	36.0	.0	.0	3.43	356.0	158.8	2.066	3009.3g	375.8	2633.5
YVSE-357		Barquisimeto	Ve	610	50.000	3059.6	3066.1	156.7	341.2	24.5	36.0	.0	.0	3.43	357.0	160.0	2.063	3003.2g	376.7	2626.5
YVSE-358		Barquisimeto	Ve	610	50.000	3061.0	3067.5	156.6	341.2	24.5	36.0	.0	.0	3.43	358.0	159.3	2.083	3035.3g	377.4	2657.9
YVSE-359		Barquisimeto	Ve	610	50.000	3062.6	3069.1	156.6	341.2	24.5	36.0	.0	.0	3.43	359.0	158.4	2.113	3083.8g	378.2	2705.6
	LIC	Kennewick-richla	WA	610	5.000	3346.8	3352.8	299.6	93.0	43.4	53.1	.0	.0	2.51	10.185	10.523	2.631	5235.9	101.1	5134.8
CJAT=8.574; KFRC=5.498; KVNU=2.647																				
CKRW		Whitehorse	Cn	610	1.000	4582.7	4587.0	322.6	98.9	52.1	60.0	.0	.0	1.41	13.299	14.644	6.650	9999.9F	73.5	23561.8
CKYL=13.299; CHNL=6.129																				
XEEL		Fresnillo	Mx	610	1.000	2685.1	2692.6	240.7	49.0	30.7	41.2	.0	.0	4.70	11.235	14.122	5.618	5971.1F	184.2	5786.8
KILT=9.215; XEUF=6.427; XEBX=4.780; XECV=4.447; XEGS=4.175; XEJA=3.626																				
KUAM	LIC	Agana	GU	612	10.000	12683.4	12685.0	311.4	37.9	50.4	39.5	.0	.0	.23	.070	.091	.023	5060.0	90.5	4969.5
KIPA=.047; KPOJ=.039; KRTA=.034; CHNL=.028; KONA=.028; CJCI=.027; KGTL=.025; CKYL=.023																				
KGTL	LIC	Homer	AK	620	5.000	5499.0	5502.6	320.9	83.3	54.0	60.0	.0	.0	.14	1.687	1.808	.452	9999.9	70.2	157838.6
CJCI=1.328; KPOJ=1.040; KIAM=.651																				
WZNN	LIC	Lexington	AL	620	.099	706.6	734.4	250.7	66.4	36.2	47.2	9.9	17.1	73.15	21.318	23.305	5.826	3982.8	181.4	3801.4
WRJZ=21.318; WTMT=9.417																				
KTAR	LIC	Phoenix	AZ	620	5.000	2913.6	2920.5	271.3	72.4	36.5	46.4	.0	.0	5.88	2.591	3.580	.895	7612.0	95.7	7516.3
XENK=2.145; CKCK=1.452; KHOW=1.230; KMKI=1.177; KAVL=1.076; KMNS=1.041; YVNO=.981																				
KIGS	LIC	Hanford	CA	620	1.000	3493.7	3499.4	280.5	76.2	38.5	48.1	.0	.0	3.55	10.395	11.208	2.802	9999.9	68.5	39371.4
KTAR=10.395; KPOJ=4.192																				
KMJC	LIC	Mount Shasta	CA	620	.029	3627.1	3632.6	290.5	82.9	41.3	50.7	.0	.0	2.62	18.555	18.555	4.639	9999.9	75.0	88563.1
KPOJ=18.555																				

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
KJOL	PRM	Grand Junction	CO	620	.079	2495.7	2503.7	283.5	85.6	39.1	49.3	.0	.0	6.97	12.892	12.892	3.223	9999.9	67.6	23046.7
KTAR=11.227; KMKI=6.337																				
WDAE	LIC	St. Petersburg	FL	620	5.000	1074.7	1093.1	193.5	12.2	32.6	43.8	5.2	10.1	40.55	7.213	8.269	2.067	2548.9	73.7	2475.2
JBC=5.611; YVNO=4.532; XENK=2.422; HJEL=2.380; WIOD=2.194																				
WTRP	LIC	La Grange	GA	620	.127	653.9	683.8	225.3	42.4	35.2	46.3	10.9	18.6	82.99	30.526	30.526	7.632	4597.9	103.8	4494.0
WRJZ=30.526																				
KIPA	LIC	Hilo	HI	620	5.000	7392.5	7395.2	277.7	56.9	34.4	40.9	.0	.0	.90	1.633	1.775	.444	9999.9	72.9	24497.1
KPOJ=1.402; KTAR=.837; KIGS=.544; KGTL=.435																				
KIPA	LIC	Kalaoa	HI	620	10.000	7482.3	7485.0	278.1	56.8	34.5	40.9	.0	.0	.88	1.586	1.725	.431	9999.9	72.0	24567.7
KPOJ=1.365; KTAR=.807; KIGS=.522; KGTL=.435																				
KIPA	LIC	Naalehu	HI	620	5.000	7495.9	7498.6	277.3	56.6	34.1	40.5	.0	.0	.89	1.580	1.719	.430	9999.9	73.9	23950.0
KPOJ=1.354; KTAR=.813; KIGS=.526; KGTL=.427																				
KMNS	LIC	Sioux City	IA	620	1.000	1506.7	1519.9	297.1	106.5	40.1	50.9	2.1	5.6	17.93	8.447	8.763	2.191	6109.2	95.1	6014.1
WTMJ=5.723; WRJZ=4.747; KMKI=4.008; CKCK=2.329																				
KWAL	LIC	Wallace	ID	620	1.000	3129.0	3135.3	302.8	98.0	43.8	53.7	.0	.0	2.79	4.510	5.945	1.486	9999.9	99.0	26500.5
KPOJ=4.510; KMKI=1.919; CKCK=1.885; KTAR=1.851; CJCI=1.485; KFXD=1.463																				
WTMT	LIC	Louisville	KY	620	.500	509.7	547.5	284.5	101.0	37.8	48.9	14.6	24.0	112.78	7.372	7.372	1.843	817.1	82.8	734.2
WRJZ=6.297; WTMJ=3.834																				
WZON	LIC	Bangor	ME	620	5.000	1259.0	1274.8	44.8	232.3	41.2	52.6	3.7	7.9	23.02	2.357	3.437	.859	1866.7	61.1	1805.6
YVNO=1.247; WRJZ=1.209; WTMJ=1.141; WDAE=1.110; CHLT=1.106; WSNR=1.052; WVMT=1.049; CFCY=.989; WPRO=.974; WHEN=.950																				
WJDX	LIC	Jackson	MS	620	1.000	1074.6	1093.0	242.4	56.6	34.9	45.9	5.2	10.1	39.02	7.623	9.612	2.403	3079.2	185.8	2893.3
WRJZ=5.069; KMKI=4.221; WTMT=3.821; WDAE=3.387; KMNS=2.970; XENK=2.840; YVNO=2.434																				

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
WDNC WRJZ=11.751; WDAE=4.369; WHEN=3.321	LIC	Durham	NC	620	1.000	170.8	263.0	145.4 326.0	36.7 47.9	39.7 54.1	329.18	11.751	12.969	3.242	492.5	163.6	328.9
WSNR WHEN=15.568; WVMT=12.707; WZON=5.138	CP	Jersey City	NJ	620	5.000	630.3	661.3	49.5 233.1	39.1 50.5	11.4 19.3	80.97	20.095	20.742	5.185	3202.0	51.9	3150.1
WSNR WHEN=14.424; WVMT=13.500; WZON=5.401	LIC	Jersey City	NJ	620	7.600	642.9	673.3	51.0 234.7	39.1 50.4	11.2 18.9	78.66	19.756	20.481	5.120	3254.7	48.6	3206.1
WHEN WRJZ=3.349; WZON=3.229; WIP=3.099; WTMJ=2.930; WSNR=2.506; WMAL=2.011	LIC	Syracuse	NY	620	1.000	721.8	749.0	25.7 208.2	40.2 51.5	9.6 16.7	63.77	6.312	7.082	1.771	1388.3	37.1	1351.2
WHEN WRJZ=3.348; WZON=3.230; WIP=3.098; WTMJ=2.930; WSNR=2.507; WMAL=2.010	LIC	Syracuse	NY	620	1.000	721.9	749.1	25.7 208.2	40.2 51.5	9.6 16.7	63.75	6.311	7.082	1.770	1388.5	37.1	1351.4
KPOJ KONA=3.715; KFXD=2.030; KRTA=1.650; KMKI=1.511; KWAL=1.218	CP	Portland	OR	620	10.000	3616.3	3621.8	298.1 89.2	43.4 52.9	.0 .0	2.12	4.234	4.941	1.235	9999.9	98.7	29090.0
KPOJ KONA=3.715; KFXD=2.030; KRTA=1.650; KMKI=1.511; KWAL=1.218	LIC	Portland	OR	620	5.000	3616.3	3621.8	298.1 89.2	43.4 52.9	.0 .0	2.12	4.234	4.941	1.235	9999.9	98.7	29090.0
WKHB WRJZ=10.958; WDNC=4.662	APP	Irwin	PA	620	.250	333.3	388.7	5.0 185.2	38.8 50.0	22.6 34.9	186.27	10.958	11.908	2.977	799.1	139.8	659.3
WKHB WRJZ=10.958; WDNC=4.662	LIC	Irwin	PA	620	.050	333.3	388.7	5.0 185.2	38.8 50.0	22.6 34.9	186.27	10.958	11.908	2.977	799.1	139.8	659.3
WGCV WRJZ=39.121	LIC	Cayce	SC	620	.126	382.5	431.7	193.9 13.4	35.6 46.9	19.8 31.1	164.77	39.121	39.121	9.780	2967.8	69.1	2898.7
WRJZ WTMT=3.362; WDAE=2.305; YVNO=2.293; WJDX=2.168; JBC=2.060; WDNC=1.873; KMKI=1.681; WTMJ=1.632	LIC	Knoxville	TN	620	5.000	368.6	419.4	247.8 65.5	36.7 47.8	20.5 32.1	170.59	4.677	6.310	1.577	462.4	172.8	289.6

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Dataworld AM Night Permissible Radiation Study

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
KMKI	LIC	Plano	TX	620	4.500	1561.7	1574.5	258.1	68.5	35.6	46.3	1.7	5.2	20.27	3.767	5.685	1.421	3505.4	160.2	3345.2
XENK=3.240; WRJZ=1.922; WTMT=1.833; YVNO=1.810; KMNS=1.661; JBC=1.536; WJDX=1.491; KTAR=1.481; WDAE=1.399																				
WVMT	LIC	Burlington	VT	620	5.000	986.5	1006.6	33.3	217.8	41.0	52.3	6.1	11.4	36.60	7.753	9.548	2.387	3260.9	57.4	3203.5
WZON=7.753; WHEN=3.574; WPRO=3.403; WSNR=2.591																				
WTMJ	LIC	Milwaukee	WI	620	10.000	909.2	930.9	313.9	128.7	40.1	51.1	6.9	12.7	44.38	2.086	2.971	.743	836.9	81.0	755.9
YVNO=1.246; JBC=.986; XENK=.974; KTAR=.938; KCSP=.930; KJSL=.837; WRJZ=.801; HJEL=.782; WDAE=.755; WJDX=.740; WZON=.736																				
WWNR	LIC	Beckley	WV	620	.025	116.7	231.5	295.9	115.1	37.5	48.7	50.7	63.7	390.71	23.946	23.946	5.986	766.1	106.8	659.3
WRJZ=23.946																				

>> End of AM Night Permissible Radiation Study <<

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Monday, December 15, 2003

Permissible Radiation Limit Summary

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

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)
5	WKHB	Irwin	PA	22.6	34.9	799.1	169	HJKL-000	Bogota 3	Co	.0	.0	2886.9
6	CKTB	St. Catharines	Cn	15.2	15.2	828.7	179	HOHM	Rpc	Pm	.0	.0	3886.3
19	CFLO	Mont-laurier	Cn	7.5	7.5	361.6	180	CMGA	Trinidad 1	Cu	2.4	2.4	1198.6
	CFLO	Mont-laurier	Cn	7.5	7.5	1160.2	181	WIOD	Miami	FL	3.6	7.8	284.7
	CFLO	Mont-laurier	Cn	7.5	7.5	1166.2	188	TIRPT	S Jose 5	Cs	.0	.0	3930.4
26	WHEN	Syracuse	NY	9.6	16.7	1388.3	192	WSJS	Winston-salem	NC	46.6	60.3	186.9
	WHEN	Syracuse	NY	9.6	16.7	1388.5		WBWL	Jacksonville	FL	8.5	14.9	2130.3
33	WVMT	Burlington	VT	6.1	11.4	3260.9	194	WDAE	St. Petersburg	FL	5.2	10.1	2548.9
36	WTFX	Winchester	VA	28.0	41.5	113.8	197	HRLP	Tegucigalpa	Ho	.0	.0	3171.7
41	CHNC	New Carlisle	Cn	2.6	2.6	702.7	198	YSS-162	Morazan	Es	.0	.0	4671.2
	CHNC	New Carlisle	Cn	2.6	2.6	702.7	199	WFNZ	Charlotte	NC	30.9	44.9	57.0
45	WZON	Bangor	ME	3.7	7.9	1866.7		YSS-222	Morazan	Es	.0	.0	2751.9
46	WGIR	Manchester	NH	6.3	11.7	262.5	200	YSS-249	Morazan	Es	.0	.0	1098.0
48	WSNG	Torrington	CT	8.7	15.3	397.3	201	YSS-307	Morazan	Es	.0	.0	706.8
49	WCAO	Baltimore	MD	20.4	31.9	402.4		HRLP 4	S Rosa Copan	Ho	.0	.0	4103.0
50	WSNR	Jersey City	NJ	11.4	19.3	3202.0	202	YSS-303	Morazan	Es	.0	.0	652.5
51	WSNR	Jersey City	NJ	11.2	18.9	3254.7	203	TGGA-062	Senorial	Gt	.0	.0	507.5
52	WICC	Bridgeport	CT	9.5	16.5	1000.0		YSS-300	Morazan	Es	.0	.0	647.1
54	CKXJ	Grand Bank	Cn	.0	.0	1696.1	204	TGGA-038	Senorial	Gt	.0	.0	494.5
	CKXJ	Grand Bank	Cn	.0	.0	1696.1		YSS-279	Morazan	Es	.0	.0	668.1
55	WIP	Philadelphia	PA	14.5	23.8	62.6	205	TGGA-021	Senorial	Gt	.0	.0	491.6
144	WEXS	Patillas	PR	.0	.0	3483.5	206	TGGA-016	Senorial	Gt	.0	.0	491.8
145	WDNC	Durham	NC	39.7	54.1	492.5	207	TGGA-354	Senorial	Gt	.0	.0	498.3
153	YVSE-077	Barquisimeto	Ve	.0	.0	2090.1	208	TGGA-326	Senorial	Gt	.0	.0	518.6
	HIJR	Santiago 1	Dr	.0	.0	6210.6	217	XEKZ	Santo Domingo Tehuan	Mx	.0	.0	5516.2
154	YVSE-076	Barquisimeto	Ve	.0	.0	2170.0	221	-2000020	New Brockton	AL	7.7	13.8	4178.0
155	YVSE-074	Barquisimeto	Ve	.0	.0	2260.4	224	XEJA	Jalapa	Mx	.0	.0	7097.4
156	YVSE-136	Barquisimeto	Ve	.0	.0	2388.6	232	XECV	Cd.valles	Mx	.0	.0	8182.4
157	YVSE-342	Barquisimeto	Ve	.0	.0	1830.9	233	XEUF	Uruapan	Mx	.0	.0	7071.8
158	YVSE-339	Barquisimeto	Ve	.0	.0	1691.3	238	WEZN	Birmingham	AL	9.2	16.0	188.6
	4VJS	Delmas	Ha	.0	.0	6395.2	241	XEEL	Fresnillo	Mx	.0	.0	5971.1
159	YVSE-329	Barquisimeto	Ve	.0	.0	1755.5	242	WJDX	Jackson	MS	5.2	10.1	3079.2
160	YVSE-300	Barquisimeto	Ve	.0	.0	1842.0	244	KILT	Houston	TX	1.3	4.6	634.6
161	YVSE-294	Barquisimeto	Ve	.0	.0	1813.6	248	WRJZ	Knoxville	TN	20.5	32.1	462.4
162	YVSE-285	Barquisimeto	Ve	.0	.0	1854.8		XEBX	Sabinas	Mx	.0	.0	2421.9
166	CMJA	Mayari Arrib	Cu	1.3	1.3	1708.3							

Dataworld, Inc.
Bethesda, MD

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Monday, December 15, 2003

Permissible Radiation Limit Summary

Title: WVBE

Frequency: 610 kHz
Database: FCC

Latitude: N 37° 18' 11.0"
Longitude: W 80° 02' 33.0"

Azimuth	Call	City	St	T-Min (deg)	T-Max (deg)	Rad. (mV/m)
258	WREC	Memphis	TN	6.8	12.4	1050.3
	KMKI	Plano	TX	1.7	5.2	3505.4
263	KARV	Russellville	AR	4.2	8.6	758.6
271	KTAR	Phoenix	AZ	.0	.0	7612.0
272	KNML	Albuquerque	NM	.0	.3	1073.7
	KNML	Albuquerque	NM	.0	.3	1074.0
	KNML	Albuquerque	NM	.0	.3	1074.1
277	KAVL	Lancaster	CA	.0	.0	4666.8
283	KCSP	Kansas City	MO	3.5	7.6	207.4
284	WTMT	Louisville	KY	14.6	24.0	817.1
	KFRC	San Francisco	CA	.0	.0	1361.8
290	KVNU	Logan	UT	.0	.0	2080.1
292	KRTA	Medford	OR	.0	.0	8065.9
297	KMNS	Sioux City	IA	2.1	5.6	6109.2
300	KONA	Kennewick-richland-p	WA	.0	.0	5235.9
302	WMT	Cedar Rapids	IA	4.8	9.6	1396.4
306	CJAT	Trail	Cn	.0	.0	4291.9
	CJAT	Trail	Cn	.0	.0	4291.9
307	KOJM	Havre	MT	.0	.0	2412.0
311	KUAM	Agana	GU	.0	.0	5060.0
	KSJB	Jamestown	ND	.2	3.1	8662.7
314	WTMJ	Milwaukee	WI	6.9	12.7	836.9
316	WTVN	Columbus	OH	21.3	33.2	108.9
319	WTVN	Columbus	OH	19.7	31.1	107.3
	CKYL	Peace River	Cn	.0	.0	7007.9
320	KDAL	Duluth	MN	2.4	6.1	540.3
333	CHTM	Thompson	Cn	.0	.0	5202.1
335	WSNL	Flint	MI	10.1	17.4	3273.4

Azimuth	Call	City	St	T-Min (deg)	T-Max (deg)	Rad. (mV/m)
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>> End of Permissible Radiation Limit Summary <<