



**STATEMENT OF JOHN E. HIDLE, P.E.  
IN SUPPORT OF A REQUEST FOR  
SPECIAL TEMPORARY AUTHORIZATION  
WLS-TV - CHICAGO, ILLINOIS  
DTV - CH. 44 - 1000 kW - 437 m HAAT**

Prepared for: WLS TELEVISION, INC.

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, License No. 7418, and in the State of New York, License No. 63418.

**GENERAL**

This office has been authorized by WLS TELEVISION, INC., permittee of WLS-TV, channel 44, Chicago, Illinois, to prepare this statement and associated exhibits in support of a request for a Special Temporary Authorization (STA).

By way of background, WLS-TV operated its former NTSC analog facilities on channel 7 at the Willis Tower (formerly known as the Sears Tower), and effectuated the transition to its authorized post-transition digital operation on channel 7 at the Willis Tower in June 2009. After the transition to digital operation on channel 7, WLS-TV received thousands of complaints from over-the-air viewers with reception problems. To improve its post-transition digital service, WLS-TV petitioned the Commission for a Rulemaking to substitute UHF channel 44 for VHF channel 7 for use at Chicago, Illinois. The FCC

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granted the petition, and channel 44 was allotted for use by WLS-TV in Chicago. See RM-11553, MB Docket 09-146 (which became effective on September 22, 2009, the date the final rule was published in the Federal Register). Accordingly, WLS-TV applied for, and the Commission granted, an application for a construction permit for operation on channel 44 at the Willis Tower. (See FCC File No. BPCDT-20091001ACI which authorizes an Effective Radiated Power (ERP) of 473.3 kW, and an omni-directional antenna located at a center line height of 515 meters Height Above Average Terrain (HAAT).) On March 31, 2011, WLS-TV filed an application requesting modification of that construction permit at the Willis Tower by increasing the ERP to 1000 kW, and substituting a directional antenna with its radiation center line positioned at a HAAT of 518 meters. The FCC granted that application on August 16, 2011 and issued BMPCDT-20110331ABW.

While WLS-TV is in the process of constructing its authorized permanent channel 44 facilities at the Willis Tower, WLS-TV had been operating using temporary channel 44 facilities located at the John Hancock Building, pursuant to STA, BDSTA-20100319AFB, extended by BEDSTA-20101008AAN, request to further extension via pending BEDSTA-20110407AAB. The channel 44 Hancock STA authorized WLS-TV to operate on channel 44 with an ERP of 1000 kW and a HAAT of 437 meters. That STA was dismissed on September 12, 2011.

**OPERATION AT WILLIS TOWER PURSUANT TO BDSTA-20110826ACW**

As part of WLS-TV's phased transition, the permittee took delivery of, and installed WLS-TV's new authorized transmitter at the Willis Tower. To improve its interim service on channel 44 pending the installation of its new authorized channel 44 antenna, WLS-TV began operating temporarily at the Willis Tower on channel 44 on August 15, 2011 pursuant to Section 73.1615 of the FCC's rules (Channel 44 Willis Interim Operation), and requested STA to continue that operation during the remaining transition to its final permanent authorized antenna. BDSTA-20110826ACW was granted on September 7, 2011.

Through the Channel 44 Willis STA Operation, the permittee has now improved its current service to the viewing public from the Willis Tower by the interim use of its authorized new transmitter and the existing RFS model PHP-24C directional antenna. The interim facility is operating at Willis Tower, with an ERP of 908 kW and a HAAT of 475 meters.

**INSTANT REQUEST FOR STA**

As the implementation process continues toward final installation of WLS-TV's main antenna at Willis Tower, there may be brief periods of time when WLS-TV must shut down temporarily into Channel 44 Willis Interim Operation. During these temporary shutdown periods, WLS-TV requests permission to operate temporarily using its former STA facility on channel 44 at the John Hancock building as a "back-up facility" in order

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to maintain its continuity of broadcast operations. Therefore, grant of the instant request is in the public interest because it will permit WLS-TV to continue its service to its viewers during brief periods of time when the implementation process requires shut down of WLS-TV's STA facility at Willis Tower. Additionally, the instant request is in the public interest because it will permit WLS-TV to continue serving its viewers if the Channel 44 Willis Interim Operations are ever temporarily discontinued for reasons unrelated to the implementation process.

**ALLOCATION AND PROTECTION CONSIDERATIONS**

The permittee has employed the Commission's application processing software to confirm that the proposed ERP of 1000 kW is predicted to cause no new interference in excess of 0.5% to any other authorized television facility. See Appendix A.

**RADIO FREQUENCY IMPACT & OCCUPATIONAL SAFETY**

Access to the roof area of the John Hancock Building is completely restricted, and controlled continuously by security personnel, and is allowed only to authorized persons. As a tenant, WLS-TV is subject to the John Hancock Building RF Safety program. The program's RF Safety Procedures ensure that each broadcasting facility is compliant with requirements to operate with reduced power or to cease operation as required by the location of the work.

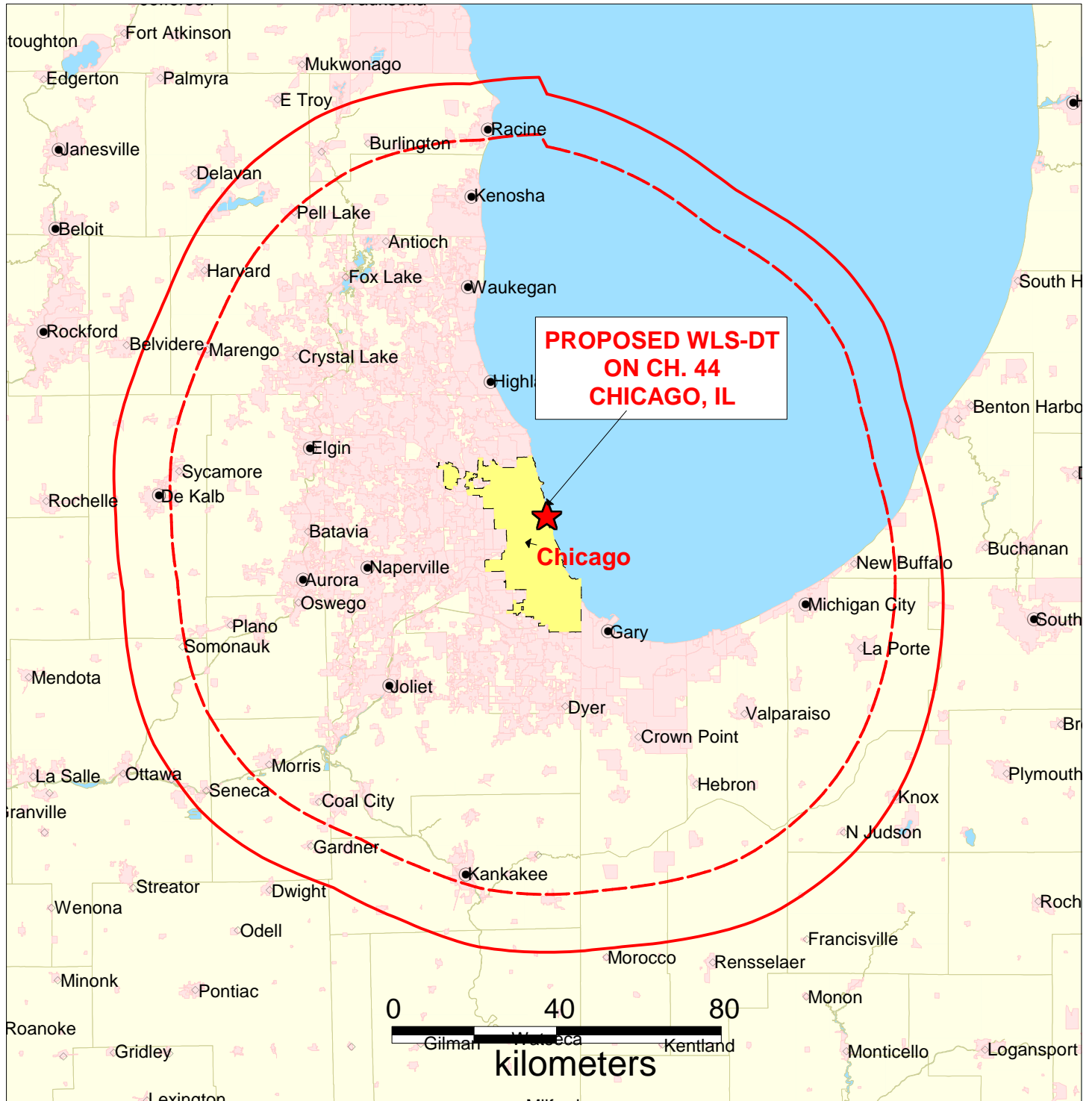
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**SUMMARY**

It is submitted that, because of the complicated CP implementation process, the STA, as proposed herein, is essential to the continuity of service to the viewing public during brief periods in which the WLS-TV's STA facility at Willis Tower must be shut down. This statement and the attached exhibits were prepared by me and are believed to be true and correct to the best of my knowledge and belief.

DATED: November 7, 2011





## PREDICTED COVERAGE CONTOURS

Predicted Noise Limited Coverage Contour

PROPOSED WLS-DT Ch 44, Chicago, IL

1000kW, 437m HAAT

618.2m RCAMSL, D-ANT

— Predicted Noise Limited Coverage Contour  
F(50,90) 41 dBu

- - - Predicted Noise Limited Coverage Contour  
F(50,90) 48 dBu

Exhibit 2  
WLS Television, Inc.  
November 2011

**ENGINEERING EXHIBIT**

**WLS TELEVISION, INC.,  
ENGINEERING EXHIBIT IN SUPPORT OF  
APPLICATION FOR SPECIAL TEMPORARY AUTHORITY  
CHANNEL 44 – 1000 KW (DA-MAX) – 437 METERS HAAT**

**CHICAGO, ILLINOIS**

Sheets 1 and 2	Elevation Pattern Plot
Sheet 3	Elevation Pattern Tabulation
Sheet 4	Azimuth Pattern Plot
Sheet 5	Azimuth Pattern Tabulation



Proposal Number

Revision

Date

**10 Nov 2009**

Call Letters

Channel

**44**

Location

Customer

Antenna Type

**TUF-C4-12/48U-2BR****ELEVATION PATTERN**

RMS Gain at Main Lobe

**22.0 (13.41 dB)**

Beam Tilt

**1.00 Degrees**

RMS Gain at Horizontal

**6.7 (8.26 dB)**

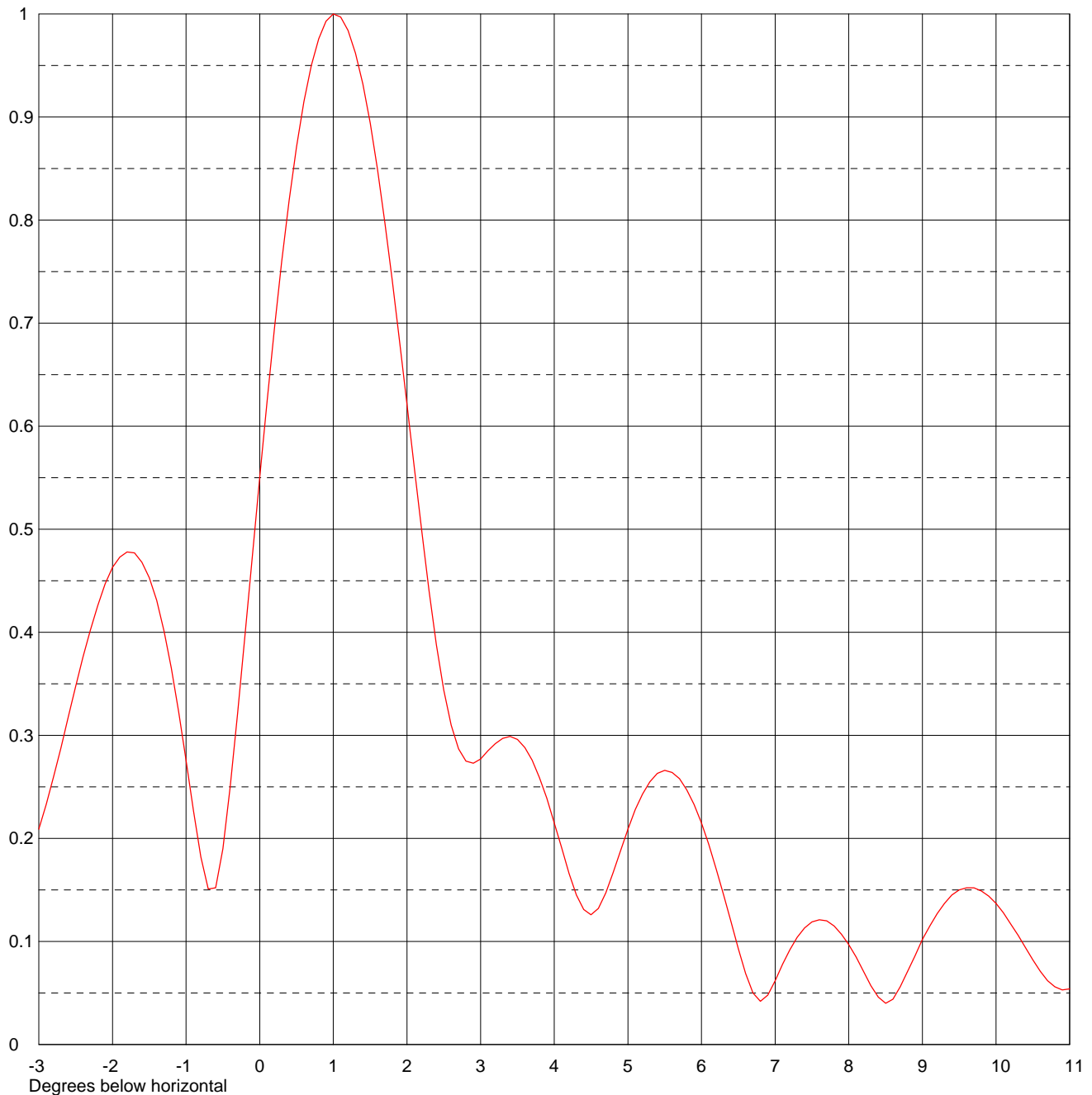
Frequency

**653.00 MHz**

Calculated / Measured

**Calculated**

Drawing #

**12U22010-6530**

Remarks:





Proposal Number

Revision

Date

**10 Nov 2009**

Call Letters

Channel

**44**

Location

Customer

Antenna Type

**TUF-C4-12/48U-2BR****ELEVATION PATTERN**

RMS Gain at Main Lobe

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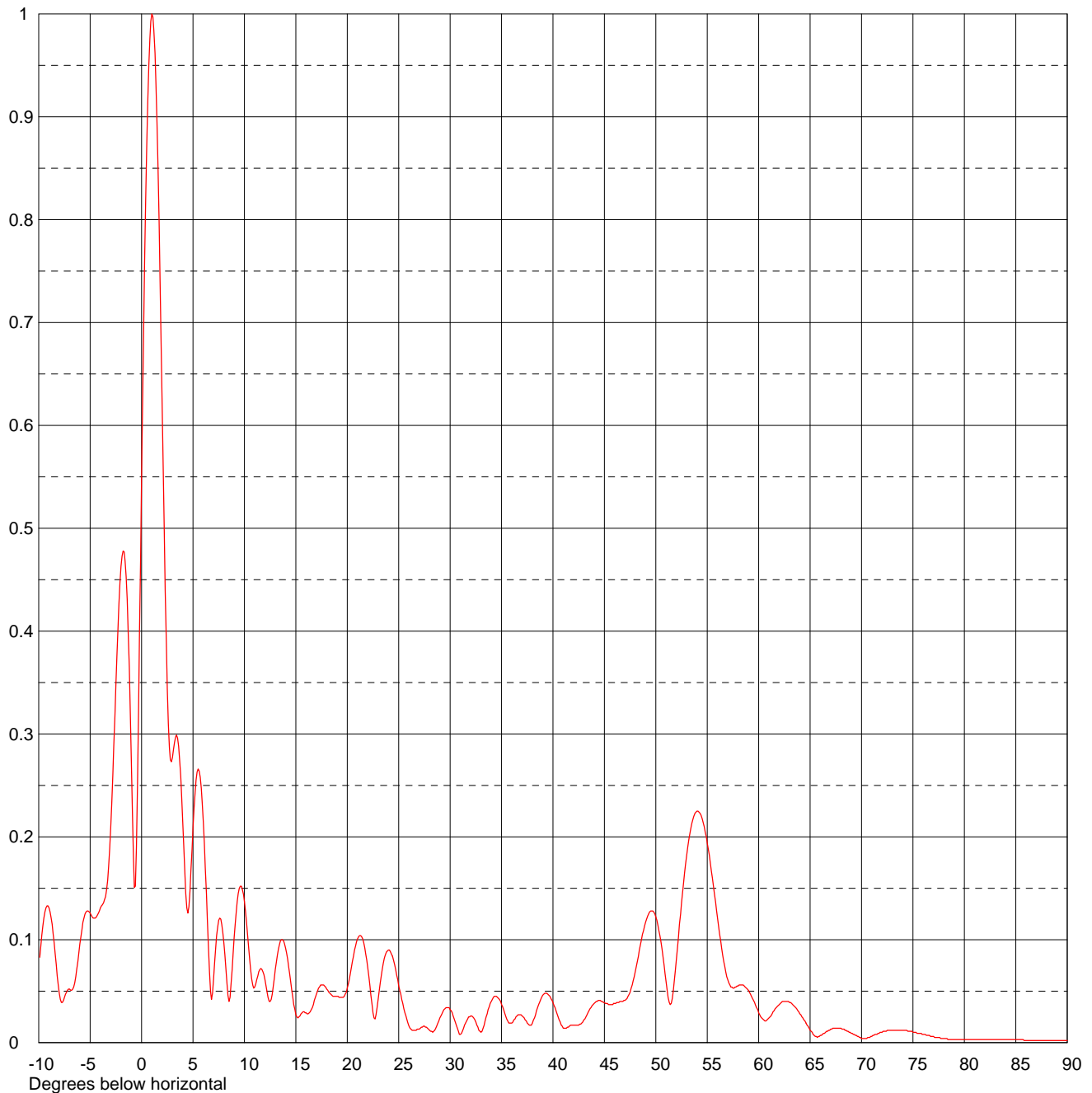
Frequency

**653.00 MHz**

Calculated / Measured

**Calculated**

Drawing #

**12U22010-6530-90**

Remarks:



Proposal Number

Revision

Date

**10 Nov 2009**

Call Letters

Channel **44**

Location

Customer

Antenna Type **TUF-C4-12/48U-2BR**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **12U22010-6530-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.072	2.4	0.388	10.6	0.071	30.5	0.020	51.0	0.059	71.5	0.008
-9.5	0.121	2.6	0.310	10.8	0.056	31.0	0.008	51.5	0.038	72.0	0.010
-9.0	0.131	2.8	0.275	11.0	0.054	31.5	0.019	52.0	0.081	72.5	0.012
-8.5	0.097	3.0	0.277	11.5	0.071	32.0	0.026	52.5	0.136	73.0	0.012
-8.0	0.048	3.2	0.292	12.0	0.061	32.5	0.020	53.0	0.182	73.5	0.012
-7.5	0.044	3.4	0.299	12.5	0.040	33.0	0.010	53.5	0.213	74.0	0.012
-7.0	0.052	3.6	0.288	13.0	0.071	33.5	0.025	54.0	0.225	74.5	0.011
-6.5	0.058	3.8	0.259	13.5	0.099	34.0	0.040	54.5	0.218	75.0	0.010
-6.0	0.096	4.0	0.215	14.0	0.092	34.5	0.045	55.0	0.194	75.5	0.009
-5.5	0.125	4.2	0.166	14.5	0.059	35.0	0.037	55.5	0.160	76.0	0.008
-5.0	0.126	4.4	0.131	15.0	0.027	35.5	0.023	56.0	0.121	76.5	0.007
-4.5	0.121	4.6	0.132	15.5	0.028	36.0	0.019	56.5	0.085	77.0	0.006
-4.0	0.131	4.8	0.167	16.0	0.029	36.5	0.026	57.0	0.061	77.5	0.005
-3.5	0.142	5.0	0.209	16.5	0.032	37.0	0.026	57.5	0.053	78.0	0.004
-3.0	0.209	5.2	0.243	17.0	0.047	37.5	0.019	58.0	0.055	78.5	0.003
-2.8	0.260	5.4	0.263	17.5	0.056	38.0	0.019	58.5	0.056	79.0	0.003
-2.6	0.318	5.6	0.264	18.0	0.052	38.5	0.034	59.0	0.051	79.5	0.003
-2.4	0.376	5.8	0.247	18.5	0.046	39.0	0.046	59.5	0.041	80.0	0.003
-2.2	0.426	6.0	0.215	19.0	0.045	39.5	0.047	60.0	0.029	80.5	0.003
-2.0	0.463	6.2	0.170	19.5	0.044	40.0	0.039	60.5	0.022	81.0	0.003
-1.8	0.478	6.4	0.119	20.0	0.053	40.5	0.025	61.0	0.024	81.5	0.003
-1.6	0.468	6.6	0.069	20.5	0.079	41.0	0.014	61.5	0.031	82.0	0.003
-1.4	0.431	6.8	0.042	21.0	0.101	41.5	0.015	62.0	0.037	82.5	0.003
-1.2	0.365	7.0	0.062	21.5	0.101	42.0	0.017	62.5	0.040	83.0	0.003
-1.0	0.276	7.2	0.092	22.0	0.072	42.5	0.017	63.0	0.039	83.5	0.003
-0.8	0.182	7.4	0.113	22.5	0.029	43.0	0.022	63.5	0.035	84.0	0.003
-0.6	0.152	7.6	0.121	23.0	0.042	43.5	0.031	64.0	0.028	84.5	0.003
-0.4	0.250	7.8	0.115	23.5	0.077	44.0	0.038	64.5	0.021	85.0	0.003
-0.2	0.397	8.0	0.097	24.0	0.090	44.5	0.041	65.0	0.012	85.5	0.003
0.0	0.551	8.2	0.071	24.5	0.080	45.0	0.039	65.5	0.006	86.0	0.002
0.2	0.695	8.4	0.046	25.0	0.055	45.5	0.037	66.0	0.007	86.5	0.002
0.4	0.819	8.6	0.044	25.5	0.033	46.0	0.038	66.5	0.010	87.0	0.002
0.6	0.915	8.8	0.071	26.0	0.016	46.5	0.040	67.0	0.013	87.5	0.002
0.8	0.976	9.0	0.102	26.5	0.012	47.0	0.041	67.5	0.014	88.0	0.002
1.0	1.000	9.2	0.127	27.0	0.013	47.5	0.049	68.0	0.014	88.5	0.002
1.2	0.984	9.4	0.145	27.5	0.016	48.0	0.069	68.5	0.012	89.0	0.002
1.4	0.932	9.6	0.152	28.0	0.012	48.5	0.095	69.0	0.009	89.5	0.002
1.6	0.849	9.8	0.149	28.5	0.012	49.0	0.117	69.5	0.007	90.0	0.002
1.8	0.742	10.0	0.137	29.0	0.024	49.5	0.128	70.0	0.004		
2.0	0.621	10.2	0.117	29.5	0.033	50.0	0.122	70.5	0.004		
2.2	0.498	10.4	0.094	30.0	0.032	50.5	0.098	71.0	0.006		

Remarks:

## AZIMUTH PATTERN

Gain

**1.85 (2.67 dB)**

Frequency

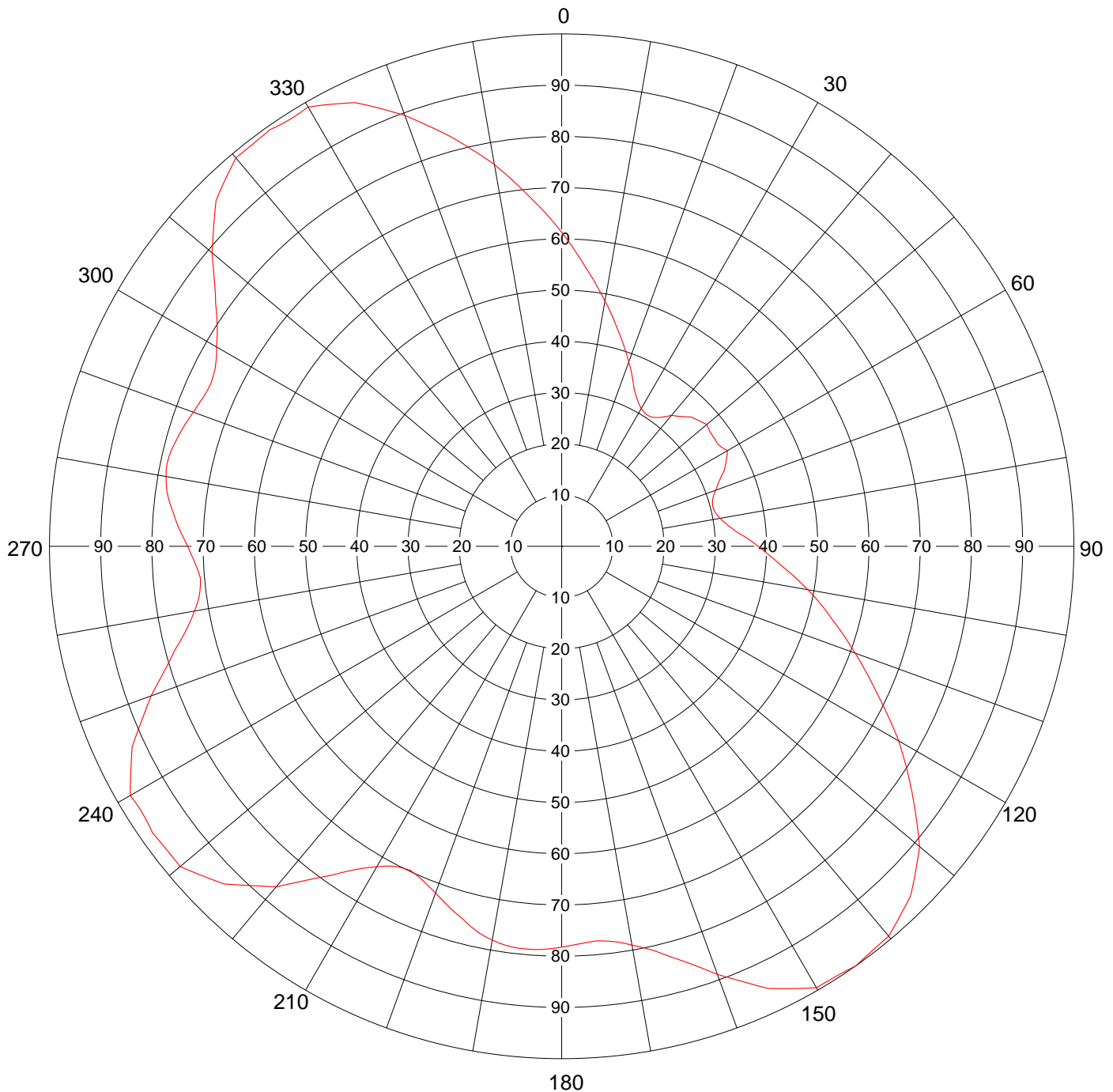
**653 MHz**

Calculated / Measured

**Calculated**

Drawing #

**TUF-C4-6530**



Remarks:



Proposal Number

Revision

Date

**10 Nov 2009**

Call Letters

Channel

**44**

Location

Customer

Antenna Type

**TUF-C4**

## TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #

**TUF-C4-6530**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.613	45	0.357	90	0.384	135	0.964	180	0.782	225	0.932	270	0.730	315	0.954
1	0.599	46	0.359	91	0.393	136	0.969	181	0.785	226	0.940	271	0.737	316	0.961
2	0.586	47	0.362	92	0.402	137	0.975	182	0.786	227	0.948	272	0.744	317	0.968
3	0.572	48	0.364	93	0.411	138	0.981	183	0.788	228	0.956	273	0.750	318	0.975
4	0.558	49	0.367	94	0.421	139	0.987	184	0.789	229	0.964	274	0.756	319	0.982
5	0.545	50	0.370	95	0.430	140	0.993	185	0.789	230	0.972	275	0.761	320	0.989
6	0.533	51	0.368	96	0.442	141	0.994	186	0.789	231	0.972	276	0.768	321	0.989
7	0.521	52	0.366	97	0.453	142	0.995	187	0.788	232	0.972	277	0.774	322	0.990
8	0.509	53	0.365	98	0.465	143	0.996	188	0.786	233	0.973	278	0.778	323	0.990
9	0.498	54	0.365	99	0.476	144	0.998	189	0.784	234	0.974	279	0.782	324	0.991
10	0.486	55	0.365	100	0.488	145	1.000	190	0.780	235	0.975	280	0.784	325	0.993
11	0.475	56	0.364	101	0.500	146	0.998	191	0.777	236	0.972	281	0.786	326	0.990
12	0.464	57	0.365	102	0.512	147	0.996	192	0.772	237	0.970	282	0.787	327	0.988
13	0.453	58	0.366	103	0.523	148	0.995	193	0.766	238	0.970	283	0.786	328	0.988
14	0.442	59	0.369	104	0.534	149	0.995	194	0.759	239	0.971	284	0.785	329	0.988
15	0.432	60	0.374	105	0.545	150	0.995	195	0.752	240	0.973	285	0.782	330	0.990
16	0.422	61	0.369	106	0.558	151	0.986	196	0.746	241	0.963	286	0.779	331	0.983
17	0.412	62	0.364	107	0.571	152	0.978	197	0.740	242	0.953	287	0.776	332	0.976
18	0.402	63	0.359	108	0.584	153	0.969	198	0.733	243	0.944	288	0.773	333	0.969
19	0.393	64	0.355	109	0.596	154	0.960	199	0.727	244	0.934	289	0.769	334	0.962
20	0.383	65	0.350	110	0.610	155	0.952	200	0.720	245	0.925	290	0.765	335	0.956
21	0.374	66	0.343	111	0.623	156	0.939	201	0.714	246	0.910	291	0.762	336	0.943
22	0.364	67	0.336	112	0.637	157	0.925	202	0.709	247	0.895	292	0.759	337	0.931
23	0.355	68	0.330	113	0.651	158	0.913	203	0.704	248	0.880	293	0.757	338	0.919
24	0.345	69	0.325	114	0.665	159	0.901	204	0.701	249	0.866	294	0.755	339	0.907
25	0.336	70	0.320	115	0.680	160	0.889	205	0.698	250	0.853	295	0.755	340	0.895
26	0.330	71	0.315	116	0.695	161	0.875	206	0.700	251	0.837	296	0.757	341	0.881
27	0.324	72	0.311	117	0.711	162	0.863	207	0.702	252	0.821	297	0.760	342	0.867
28	0.319	73	0.308	118	0.727	163	0.851	208	0.707	253	0.807	298	0.765	343	0.853
29	0.314	74	0.306	119	0.743	164	0.840	209	0.714	254	0.794	299	0.770	344	0.839
30	0.311	75	0.305	120	0.760	165	0.830	210	0.722	255	0.782	300	0.778	345	0.826
31	0.308	76	0.305	121	0.774	166	0.820	211	0.731	256	0.768	301	0.785	346	0.812
32	0.307	77	0.306	122	0.789	167	0.811	212	0.742	257	0.756	302	0.793	347	0.798
33	0.306	78	0.308	123	0.804	168	0.803	213	0.754	258	0.745	303	0.802	348	0.784
34	0.306	79	0.311	124	0.819	169	0.796	214	0.768	259	0.736	304	0.813	349	0.770
35	0.308	80	0.314	125	0.835	170	0.791	215	0.784	260	0.728	305	0.824	350	0.757
36	0.311	81	0.318	126	0.850	171	0.785	216	0.798	261	0.721	306	0.836	351	0.741
37	0.315	82	0.323	127	0.865	172	0.780	217	0.814	262	0.715	307	0.848	352	0.726
38	0.320	83	0.328	128	0.881	173	0.777	218	0.831	263	0.711	308	0.862	353	0.711
39	0.326	84	0.334	129	0.896	174	0.774	219	0.849	264	0.709	309	0.876	354	0.696
40	0.334	85	0.340	130	0.912	175	0.773	220	0.867	265	0.708	310	0.891	355	0.682
41	0.337	86	0.349	131	0.922	176	0.774	221	0.879	266	0.711	311	0.903	356	0.668
42	0.341	87	0.358	132	0.932	177	0.776	222	0.892	267	0.715	312	0.915	357	0.654
43	0.346	88	0.366	133	0.943	178	0.778	223	0.905	268	0.720	313	0.928	358	0.641
44	0.351	89	0.375	134	0.953	179	0.780	224	0.918	269	0.725	314	0.941	359	0.627

Remarks:



**WLS-TV - APPENDIX A  
LONGLEY-RICE INTERFERENCE ANALYSIS  
NOVEMBER 2011**

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
Census data selected 2000  
Data Base Selected  
./data/tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 11-07-2011 Time: 14:23:59

Record Selected for Analysis

WLS-TV BDSTA -NEWWLS44STA CHICAGO IL US  
Channel 44 ERP 1000.0 kW HAAT 437.0 m RCAMSL 618.2 m  
Latitude 041-53-56 Longitude 0087-37-23  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make CDB Model 00000000990009 Beam tilt N Ref Azimuth 0.0  
Last update 00000000 Cutoff date 20110907 Docket  
Comments  
Applicant WLS TELEVISION, INC.

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) does not meet maximum height/power limits  
Channel 44 ERP = 1000.00 HAAT = 437.

Site number 1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	375.769	442.2	100.2
45.0	123.904	442.2	91.1
90.0	147.456	442.2	92.4
135.0	907.256	442.2	109.0
180.0	611.524	437.9	104.6
225.0	845.480	437.1	107.8
270.0	532.900	431.9	102.7
315.0	883.600	432.6	107.8

Evaluation toward Class A Stations from site # 01

Station inside contour of Class A station  
WOCH-CA 41 CHICAGO IL BPTTA 20050127ALO

Station inside contour of Class A station  
WOCH-CA 41 CHICAGO IL BLTTA 20060103ACT

Station inside contour of Class A station

WLS-TV - Appendix A  
Page 2

WMEU-CA 48 CHICAGO IL BSTA 20110404AGH

Station inside contour of Class A station

WMEU-CA 48 CHICAGO IL BMPTTA 20110317ABS

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WLS-TV 44 CHICAGO IL BDSTA NEWWLS44STA Site # 01

and station

SHORT TO: WLS-TV 44 CHICAGO IL DTVPLN DTVP1568  
041-52-44 0087-38-10

Req. separation 196.3 Actual separation 2.5 Short 193.8 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 368.4km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

\*\*\*\*\*

Start of Interference Analysis

Channel	Call	City/State	ARN
44	WLS-TV	CHICAGO IL	BDSTA NEWWLS44STA

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WSPY-LP	PLANO IL	83.1	LIC	BLTTL	19900514IR
41	WOCH-CA	CHICAGO IL	0.0	APP	BPTTA	20050127ALO
41	WOCH-CA	CHICAGO IL	0.0	LIC	BLTTA	20060103ACT
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA	20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA	20000714AAU
43	WCPX-TV	CHICAGO IL	1.1	APP	BPCDT	20080619AIL



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41 WOCH-CA CHICAGO IL BPTTA -20050127ALO

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	134.3	LIC	BLCDDT	-20091106AEL
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDDT	-20101104AAA
38	WGBO-DT	JOLIET IL	0.0	LIC	BLCDDT	-20100709AJT
40	WESV-LD	CHICAGO IL	2.5	LIC	BLDTL	-20101213AGJ
41	KGCW	BURLINGTON IA	278.3	LIC	BLCDDT	-20081120ABD
41	WICD	CHAMPAIGN IL	204.8	LIC	BLCDDT	-20050620AAO
41	WIFR	FREEDPORT IL	135.1	CP MOD	BMPCDDT	-20081110ADQ
41	WIFR	FREEDPORT IL	135.1	LIC	BLCDDT	-20041012AIQ
41	WIFR-DR	FREEDPORT IL	135.1	APP	BPRM	-20080620AOH
41	WIFR	FREEDPORT IL	135.1	CP MOD	BMPCDDT	-20050103AFQ
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDDT	-20081222AAS
41	WHIO-TV	DAYTON OH	372.1	CP	BPCDDT	-20080619ACK
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDDT	-20040614AEY
41	WGBA-TV	GREEN BAY WI	274.9	CP MOD	BMPCDDT	-20080620AEI
41	WGBA-TV	GREEN BAY WI	274.9	LIC	BLCDDT	-20080813ADO
41	NEW	LACROSSE WI	388.0	LIC	BPRM	-20001013ADO
42	WNDU-TV	SOUTH BEND IN	121.4	CP MOD	BMPCDDT	-20110809AAO
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDDT	-20060717AAG
43	WCPX-TV	CHICAGO IL	1.1	APP	BPCDDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	2.5	LIC	BLCDDT	-20010226ABH
44	WLS-TV	CHICAGO IL	0.0	APP	BDSTA	-NEWWLS44STA
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	CP	BPCDDT	-20080620AMW
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDDT	-20060109ABG
48	WBME-TV	RACINE WI	137.1	LIC	BLCDDT	-20090807ACD
44	WLS-TV	CHICAGO IL	2.5	PLN	DTVPLN	-DTVPL1568

Proposal causes no interference

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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WOCH-CA	CHICAGO IL	BLTTA	-20060103ACT

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	134.3	LIC	BLCDDT	-20091106AEL
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDDT	-20101104AAA
38	WGBO-DT	JOLIET IL	0.0	LIC	BLCDDT	-20100709AJT
40	WESV-LD	CHICAGO IL	2.5	LIC	BLDTL	-20101213AGJ
41	KGCW	BURLINGTON IA	278.3	LIC	BLCDDT	-20081120ABD
41	WICD	CHAMPAIGN IL	204.8	LIC	BLCDDT	-20050620AAO
41	WIFR	FREEDPORT IL	135.1	CP MOD	BMPCDDT	-20081110ADQ
41	WIFR	FREEDPORT IL	135.1	LIC	BLCDDT	-20041012AIQ

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41	WIFR-DR	FREEDPORT IL	135.1	APP	BPRM	-20080620AOH
41	WIFR	FREEDPORT IL	135.1	CP MOD	BMPCDT	-20050103AFQ
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20081222AAS
41	WHIO-TV	DAYTON OH	372.1	CP	BPCDT	-20080619ACK
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WGBA-TV	GREEN BAY WI	274.9	CP MOD	BMPCDT	-20080620AEI
41	WGBA-TV	GREEN BAY WI	274.9	LIC	BLCDT	-20080813ADO
41	NEW	LACROSSE WI	388.0	LIC	BPRM	-20001013ADO
42	WNDU-TV	SOUTH BEND IN	121.4	CP MOD	BMPCDT	-20110809AAO
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT	-20060717AAG
43	WCPX-TV	CHICAGO IL	1.1	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
44	WLS-TV	CHICAGO IL	0.0	APP	BDSTA	-NEWWLS44STA
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	CP	BPCDT	-20080620AMW
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT	-20060109ABG
48	WBME-TV	RACINE WI	137.1	LIC	BLCDT	-20090807ACD
44	WLS-TV	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1568

Proposal causes no interference

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### Analysis of Interference to Affected Station 4

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WMLW-CA	MILWAUKEE WI	BLTTA	-20021002AAA

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	3.6	LIC	BLCDT	-20091106AEL
34	WISN-TV	MILWAUKEE WI	0.2	LIC	BLCDT	-20101104AAA
38	WGBD-DT	JOLIET IL	137.1	LIC	BLCDT	-20100709AJT
39	WFRV-DT	GREEN BAY WI	135.9	LIC	BPRM	-20010806ACL
39	WFRV-TV	GREEN BAY WI	135.9	LIC	BLCDT	-20051004ABD
40	WPXE-TV	KENOSHA WI	2.8	LIC	BLCDT	-20040206AAT
41	KGCW	BURLINGTON IA	323.3	LIC	BLCDT	-20081120ABD
41	WICD	CHAMPAIGN IL	338.1	LIC	BLCDT	-20050620AAO
41	WIFR	FREEDPORT IL	135.9	CP MOD	BMPCDT	-20081110ADQ
41	WIFR	FREEDPORT IL	135.9	LIC	BLCDT	-20041012AIQ
41	WIFR-DR	FREEDPORT IL	135.9	APP	BPRM	-20080620AOH
41	WIFR	FREEDPORT IL	135.9	CP MOD	BMPCDT	-20050103AFQ
41	WXYZ-TV	DETROIT MI	388.3	LIC	BLCDT	-20081222AAS
41	WGBA-TV	GREEN BAY WI	138.6	CP MOD	BMPCDT	-20080620AEI
41	WGBA-TV	GREEN BAY WI	138.6	LIC	BLCDT	-20080813ADO
41	NEW	LACROSSE WI	295.0	LIC	BPRM	-20001013ADO
43	WCPX-TV	CHICAGO IL	137.3	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	139.1	LIC	BLCDT	-20010226ABH
43	WWSR-TV	MAYVILLE WI	60.2	APP	BPCDT	-20080618ATT
43	WWSR-TV	MAYVILLE WI	60.2	LIC	BLCDT	-20050825AEW
44	WLS-TV	CHICAGO IL	137.1	APP	BDSTA	-NEWWLS44STA

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45	WSNS-TV	CHICAGO IL	139.1	LIC	BLCDDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	139.1	CP	BPCDDT	-20080620AMW
48	WBME-TV	RACINE WI	0.0	LIC	BLCDDT	-20090807ACD
49	WMSN-DR	MADISON WI	130.4	APP	BPRM	-20080620AOW
49	WMSN-TV	MADISON WI	130.4	LIC	BLCDDT	-20101223ABD
44	WLS-TV	CHICAGO IL	139.1	PLN	DTVPLN	-DTVP1568

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 5

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WMLW-CA	MILWAUKEE WI	BSTA	-20000714AAU

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	3.6	LIC	BLCDDT	-20091106AEL
34	WISN-TV	MILWAUKEE WI	0.2	LIC	BLCDDT	-20101104AAA
38	WGBO-DT	JOLIET IL	137.1	LIC	BLCDDT	-20100709AJT
39	WFRV-DT	GREEN BAY WI	135.9	LIC	BPRM	-20010806ACL
39	WFRV-TV	GREEN BAY WI	135.9	LIC	BLCDDT	-20051004ABD
40	WPXE-TV	KENOSHA WI	2.8	LIC	BLCDDT	-20040206AAT
41	KGCW	BURLINGTON IA	323.3	LIC	BLCDDT	-20081120ABD
41	WICD	CHAMPAIGN IL	338.1	LIC	BLCDDT	-20050620AAO
41	WIFR	FREEDPORT IL	135.9	CP MOD	BMPCDDT	-20081110ADQ
41	WIFR	FREEDPORT IL	135.9	LIC	BLCDDT	-20041012AIQ
41	WIFR-DR	FREEDPORT IL	135.9	APP	BPRM	-20080620AOH
41	WIFR	FREEDPORT IL	135.9	CP MOD	BMPCDDT	-20050103AFQ
41	WXYZ-TV	DETROIT MI	388.3	LIC	BLCDDT	-20081222AAS
41	WGBA-TV	GREEN BAY WI	138.6	CP MOD	BMPCDDT	-20080620AEI
41	WGBA-TV	GREEN BAY WI	138.6	LIC	BLCDDT	-20080813ADO
41	NEW	LACROSSE WI	295.0	LIC	BPRM	-20001013ADO
43	WCPX-TV	CHICAGO IL	137.3	APP	BPCDDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	139.1	LIC	BLCDDT	-20010226ABH
43	WWSR-TV	MAYVILLE WI	60.2	APP	BPCDDT	-20080618ATT
43	WWSR-TV	MAYVILLE WI	60.2	LIC	BLCDDT	-20050825AEW
44	WLS-TV	CHICAGO IL	137.1	APP	BDSTA	-NEWWLS44STA
45	WSNS-TV	CHICAGO IL	139.1	LIC	BLCDDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	139.1	CP	BPCDDT	-20080620AMW
48	WBME-TV	RACINE WI	0.0	LIC	BLCDDT	-20090807ACD
49	WMSN-DR	MADISON WI	130.4	APP	BPRM	-20080620AOW
49	WMSN-TV	MADISON WI	130.4	LIC	BLCDDT	-20101223ABD
44	WLS-TV	CHICAGO IL	139.1	PLN	DTVPLN	-DTVP1568

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 6

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WCPX-TV	CHICAGO IL	BPCDT	-20080619AIL

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	133.9	LIC	BLCDT	-20070404ABY
42	WNDU-TV	SOUTH BEND IN	122.3	CP MOD	BMPCDT	-20110809AAO
42	WNDU-TV	SOUTH BEND IN	122.3	LIC	BLCDT	-20060717AAG
43	KFXB-TV	DUBUQUE IA	255.3	LIC	BLCDT	-20090528AEV
43	WTVS	DETROIT MI	372.7	LIC	BLEDT	-20091014ACH
43	WWSR-TV	MAYVILLE WI	186.1	APP	BPCDT	-20080618ATT
43	WWSR-TV	MAYVILLE WI	186.1	LIC	BLCDT	-20050825AEW
44	WLS-TV	CHICAGO IL	1.1	APP	BDSTA	-NEWWLS44STA
44	WZPX-TV	BATTLE CREEK MI	228.5	LIC	BLCDT	-20020510AAG
44	WLS-TV	CHICAGO IL	1.9	PLN	DTVPLN	-DTVP1568

Total scenarios = 4

Result key: 1  
 Scenario 1 Affected station 6  
 Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

HAAT 510.0 m, ATV ERP 222.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9329572	27351.1
not affected by terrain losses	9329361	27339.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	46437	879.3
lost to ATV IX only	46437	879.3
lost to all IX	46437	879.3

Potential Interfering Stations Included in above Scenario 1

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BMPCDT	20110809AAO	CP
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC

### After Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP

HAAT 510.0 m, ATV ERP 222.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9329572	27351.1

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not affected by terrain losses	9329361	27339.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	49302	907.4
lost to ATV IX only	49302	907.4
lost to all IX	49302	907.4

Potential Interfering Stations Included in above Scenario 1

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BMPCDT	20110809AAO	CP
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0309%

Result key: 2  
 Scenario 2 Affected station 6  
 Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP  
 HAAT 510.0 m, ATV ERP 222.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9329572	27351.1
not affected by terrain losses	9329361	27339.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	44851	795.0
lost to ATV IX only	44851	795.0
lost to all IX	44851	795.0

Potential Interfering Stations Included in above Scenario 2

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC

After Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP  
 HAAT 510.0 m, ATV ERP 222.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9329572	27351.1
not affected by terrain losses	9329361	27339.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	47716	823.1
lost to ATV IX only	47716	823.1
lost to all IX	47716	823.1

Potential Interfering Stations Included in above Scenario 2

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC

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43A WI MAYVILLE	BLCDT	20050825AEW	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0309%

Result key: 3  
Scenario 3 Affected station 6  
Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP  
HAAT 510.0 m, ATV ERP 222.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9329572	27351.1
not affected by terrain losses	9329361	27339.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	81265	1148.3
lost to ATV IX only	81265	1148.3
lost to all IX	81265	1148.3

Potential Interfering Stations Included in above Scenario 3

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BMPCDT	20110809AAO	CP
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP

### After Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP  
HAAT 510.0 m, ATV ERP 222.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9329572	27351.1
not affected by terrain losses	9329361	27339.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	83326	1172.4
lost to ATV IX only	83326	1172.4
lost to all IX	83326	1172.4

Potential Interfering Stations Included in above Scenario 3

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BMPCDT	20110809AAO	CP
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0223%

Result key: 4  
Scenario 4 Affected station 6  
Before Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP  
HAAT 510.0 m, ATV ERP 222.0 kW

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	POPULATION	AREA (sq km)
within Noise Limited Contour	9329572	27351.1
not affected by terrain losses	9329361	27339.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	79679	1064.0
lost to ATV IX only	79679	1064.0
lost to all IX	79679	1064.0

Potential Interfering Stations Included in above Scenario 4

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP

After Analysis

Results for: 43A IL CHICAGO BPCDT 20080619AIL APP  
HAAT 510.0 m, ATV ERP 222.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9329572	27351.1
not affected by terrain losses	9329361	27339.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	81740	1088.1
lost to ATV IX only	81740	1088.1
lost to all IX	81740	1088.1

Potential Interfering Stations Included in above Scenario 4

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0223%

Worst case new IX 0.0309% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WCPX-TV	CHICAGO IL	BLCDT	-20010226ABH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	134.5	LIC	BLCDT	-20070404ABY
42	WNDU-TV	SOUTH BEND IN	121.8	CP MOD	BMPCDT	-20110809AAO

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42	WNDU-TV	SOUTH BEND IN	121.9	LIC	BLCDT	-20060717AAG
43	KFXB-TV	DUBUQUE IA	255.8	LIC	BLCDT	-20090528AEV
43	WTVS	DETROIT MI	373.0	LIC	BLEDT	-20091014ACH
43	WWRS-TV	MAYVILLE WI	187.8	APP	BPCDT	-20080618ATT
43	WWRS-TV	MAYVILLE WI	187.8	LIC	BLCDT	-20050825AEW
44	WLS-TV	CHICAGO IL	2.5	APP	BDSTA	-NEWWLS44STA
44	WLS-TV	CHICAGO IL	0.0	PLN	DTVPLN	-DTVP1568

Total scenarios = 4

Result key: 5  
 Scenario 1 Affected station 7  
 Before Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC

HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	43680	799.2
lost to ATV IX only	43680	799.2
lost to all IX	43680	799.2

Potential Interfering Stations Included in above Scenario 1

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BMPCDT	20110809AAO	CP
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC

After Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC

HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	58900	835.4
lost to ATV IX only	58900	835.4
lost to all IX	58900	835.4

Potential Interfering Stations Included in above Scenario 1

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BMPCDT	20110809AAO	CP
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.1644%

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Result key: 6  
Scenario 2 Affected station 7  
Before Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	36987	718.9
lost to ATV IX only	36987	718.9
lost to all IX	36987	718.9

Potential Interfering Stations Included in above Scenario 2

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC

### After Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52207	755.0
lost to ATV IX only	52207	755.0
lost to all IX	52207	755.0

Potential Interfering Stations Included in above Scenario 2

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.1643%

Result key: 7  
Scenario 3 Affected station 7  
Before Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	73647	1104.4



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lost to ATV IX only	73647	1104.4
lost to all IX	73647	1104.4

Potential Interfering Stations Included in above Scenario 3

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BMPCDT	20110809AAO	CP
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP

After Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	86714	1132.6
lost to ATV IX only	86714	1132.6
lost to all IX	86714	1132.6

Potential Interfering Stations Included in above Scenario 3

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BMPCDT	20110809AAO	CP
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.1416%

Result key: 8  
Scenario 4 Affected station 7  
Before Analysis

Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC  
HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	66954	1024.1
lost to ATV IX only	66954	1024.1
lost to all IX	66954	1024.1

Potential Interfering Stations Included in above Scenario 4

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP

After Analysis

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Results for: 43A IL CHICAGO BLCDT 20010226ABH LIC

HAAT 510.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9300482	26824.1
not affected by terrain losses	9300264	26812.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	80021	1052.2
lost to ATV IX only	80021	1052.2
lost to all IX	80021	1052.2

Potential Interfering Stations Included in above Scenario 4

42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20060717AAG	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.1415%

Worst case new IX 0.1644% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WWRN-TV	MAYVILLE WI	BPCDT	-20080618ATT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	138.1	LIC	BLCDT	-20070404ABY
42	WPNE-TV	GREEN BAY WI	116.0	LIC	BMLEDT	-20040818AAP
43	KFXB-TV	DUBUQUE IA	198.4	LIC	BLCDT	-20090528AEV
43	WCPX-TV	CHICAGO IL	186.1	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	187.8	LIC	BLCDT	-20010226ABH
44	WLS-TV	CHICAGO IL	186.1	APP	BDSTA	-NEWWLS44STA
44	WLS-TV	CHICAGO IL	187.8	PLN	DTVPLN	-DTVP1568

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WWRN-TV	MAYVILLE WI	BLCDT	-20050825AEW

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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	138.1	LIC	BLCDT	-20070404ABY
42	WPNE-TV	GREEN BAY WI	116.0	LIC	BMLEDT	-20040818AAP
43	KFXB-TV	DUBUQUE IA	198.4	LIC	BLCDT	-20090528AEV
43	WCPX-TV	CHICAGO IL	186.1	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	187.8	LIC	BLCDT	-20010226ABH
44	WLS-TV	CHICAGO IL	186.1	APP	BDSTA	-NEWWLS44STA
44	WLS-TV	CHICAGO IL	187.8	PLN	DTVPLN	-DTVP1568

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	WRSP-TV	SPRINGFIELD IL	BLCDT	-20050317ADQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	KTVI	ST LOUIS MO	161.6	LIC	BLCDT	-20040903AAY
44	WLS-TV	CHICAGO IL	279.2	APP	BDSTA	-NEWWLS44STA
44	WDTI	INDIANAPOLIS IN	276.7	CP	BPEDT	-20080617AEQ
44	WDTI	INDIANAPOLIS IN	276.7	LIC	BLEDT	-20080519ABT
44	WKON	OWENTON KY	423.8	LIC	BLEDT	-20011121ABI
44	KYTV	SPRINGFIELD MO	421.4	LIC	BLCDT	-20020213AAA
44	WLS-TV	CHICAGO IL	276.8	PLN	DTVPLN	-DTVP1568

Total scenarios = 1

Result key: 9  
Scenario 1 Affected station 10  
Before Analysis

Results for: 44A IL SPRINGFIELD BLCDT 20050317ADQ LIC

HAAT 415.0 m, ATV ERP 335.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	883288	29105.0
not affected by terrain losses	882088	29069.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	449	20.0
lost to ATV IX only	449	20.0
lost to all IX	449	20.0

Potential Interfering Stations Included in above Scenario 1

43A MO ST LOUIS BLCDT 20040903AAY LIC

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After Analysis

Results for: 44A IL SPRINGFIELD BLCDT 20050317ADQ LIC  
HAAT 415.0 m, ATV ERP 335.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	883288	29105.0
not affected by terrain losses	882088	29069.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3788	68.0
lost to ATV IX only	3788	68.0
lost to all IX	3788	68.0

Potential Interfering Stations Included in above Scenario 1

43A MO ST LOUIS	BLCDT	20040903AAY	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.3787%

Worst case new IX 0.3787% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
44	WRSP-TV	SPRINGFIELD IL	BPCDT -20080620AGF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
43	KTVI	ST LOUIS MO	161.6	LIC	BLCDT -20040903AAY
44	WLS-TV	CHICAGO IL	279.2	APP	BDSTA -NEWWLS44STA
44	WDTI	INDIANAPOLIS IN	276.7	CP	BPEDT -20080617AEQ
44	WDTI	INDIANAPOLIS IN	276.7	LIC	BLEDT -20080519ABT
44	WKON	OWENTON KY	423.8	LIC	BLEDT -20011121ABI
44	KYTV	SPRINGFIELD MO	421.4	LIC	BLCDT -20020213AAA
44	WLS-TV	CHICAGO IL	276.8	PLN	DTVPLN -DTPV1568

Total scenarios = 1

Result key: 10  
Scenario 1 Affected station 11  
Before Analysis

Results for: 44A IL SPRINGFIELD BPCDT 20080620AGF CP  
HAAT 415.0 m, ATV ERP 750.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1101646	33556.4
not affected by terrain losses	1098559	33452.5

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lost to NTSC IX	0	0.0
lost to additional IX by ATV	3319	148.0
lost to ATV IX only	3319	148.0
lost to all IX	3319	148.0

Potential Interfering Stations Included in above Scenario 1

43A MO ST LOUIS	BLCDT	20040903AAY	LIC
44A IN INDIANAPOLIS	BPEDT	20080617AEQ	CP

After Analysis

Results for: 44A IL SPRINGFIELD BPCDT 20080620AGF CP  
HAAT 415.0 m, ATV ERP 750.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1101646	33556.4
not affected by terrain losses	1098559	33452.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7442	283.9
lost to ATV IX only	7442	283.9
lost to all IX	7442	283.9

Potential Interfering Stations Included in above Scenario 1

43A MO ST LOUIS	BLCDT	20040903AAY	LIC
44A IN INDIANAPOLIS	BPEDT	20080617AEQ	CP
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.3764%

Worst case new IX 0.3764% Scenario 1

#####

Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	WDTI	INDIANAPOLIS IN	BPEDT	-20080617AEQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	252.6	APP	BDSTA	-NEWWLS44STA
44	WRSP-TV	SPRINGFIELD IL	276.7	LIC	BLCDT	-20050317ADQ
44	WRSP-TV	SPRINGFIELD IL	276.7	CP	BPCDT	-20080620AGF
44	WTSF	ASHLAND KY	366.5	LIC	BLCDT	-20080512AEM
44	WKON	OWENTON KY	193.9	LIC	BLEDT	-20011121ABI
44	WZPX-TV	BATTLE CREEK MI	323.8	LIC	BLCDT	-20020510AAG
44	WWJ-TV	DETROIT MI	380.7	LIC	BLCDT	-20100419AAS
44	WTLW	LIMA OH	196.7	LIC	BLCDT	-20081209AAB
44	WJFB	LEBANON TN	416.1	LIC	BLCDT	-20070813ABW

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44	WJFB	LEBANON TN	406.8	CP	BPCDT	-20080619AAQ
45	WXIN	INDIANAPOLIS IN	0.7	LIC	BLCDT	-20090921ACE
45	WXIN	INDIANAPOLIS IN	0.7	CP	BPCDT	-20101208AAS
44	WLS-TV	CHICAGO IL	251.2	PLN	DTVPLN	-DTVP1568

Total scenarios = 4

Result key: 11  
 Scenario 1 Affected station 12  
 Before Analysis

Results for: 44A IN INDIANAPOLIS BPEDT 20080617AEQ CP  
 HAAT 293.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2514247	26078.9
not affected by terrain losses	2499683	25871.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9914	251.6
lost to ATV IX only	9914	251.6
lost to all IX	9914	251.6

Potential Interfering Stations Included in above Scenario 1

44A IL SPRINGFIELD	BLCDT	20050317ADQ	LIC
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC

After Analysis

Results for: 44A IN INDIANAPOLIS BPEDT 20080617AEQ CP  
 HAAT 293.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2514247	26078.9
not affected by terrain losses	2499683	25871.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16368	347.4
lost to ATV IX only	16368	347.4
lost to all IX	16368	347.4

Potential Interfering Stations Included in above Scenario 1

44A IL SPRINGFIELD	BLCDT	20050317ADQ	LIC
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.2592%

Result key: 12  
 Scenario 2 Affected station 12  
 Before Analysis

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Results for: 44A IN INDIANAPOLIS BPEDT 20080617AEQ CP  
HAAT 293.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2514247	26078.9
not affected by terrain losses	2499683	25871.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10278	263.5
lost to ATV IX only	10278	263.5
lost to all IX	10278	263.5

Potential Interfering Stations Included in above Scenario 2

44A IL SPRINGFIELD	BLCDT	20050317ADQ	LIC
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP

## After Analysis

Results for: 44A IN INDIANAPOLIS BPEDT 20080617AEQ CP  
HAAT 293.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2514247	26078.9
not affected by terrain losses	2499683	25871.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16732	359.4
lost to ATV IX only	16732	359.4
lost to all IX	16732	359.4

Potential Interfering Stations Included in above Scenario 2

44A IL SPRINGFIELD	BLCDT	20050317ADQ	LIC
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.2593%

Result key: 13  
Scenario 3 Affected station 12  
Before Analysis

Results for: 44A IN INDIANAPOLIS BPEDT 20080617AEQ CP  
HAAT 293.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2514247	26078.9
not affected by terrain losses	2499683	25871.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12499	407.3
lost to ATV IX only	12499	407.3
lost to all IX	12499	407.3

Potential Interfering Stations Included in above Scenario 3

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44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC

### After Analysis

Results for: 44A IN INDIANAPOLIS      BPEDT      20080617AEQ    CP  
 HAAT 293.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2514247	26078.9
not affected by terrain losses	2499683	25871.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18833	499.1
lost to ATV IX only	18833	499.1
lost to all IX	18833	499.1

Potential Interfering Stations Included in above Scenario      3

44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.2547%

Result key: 14  
 Scenario 4 Affected station 12  
 Before Analysis

Results for: 44A IN INDIANAPOLIS      BPEDT      20080617AEQ    CP  
 HAAT 293.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2514247	26078.9
not affected by terrain losses	2499683	25871.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12863	419.3
lost to ATV IX only	12863	419.3
lost to all IX	12863	419.3

Potential Interfering Stations Included in above Scenario      4

44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP

### After Analysis

Results for: 44A IN INDIANAPOLIS      BPEDT      20080617AEQ    CP  
 HAAT 293.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2514247	26078.9



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not affected by terrain losses	2499683	25871.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19197	511.1
lost to ATV IX only	19197	511.1
lost to all IX	19197	511.1

Potential Interfering Stations Included in above Scenario 4

44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.2547%

Worst case new IX 0.2593% Scenario 2

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## Analysis of Interference to Affected Station 13

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	WDTI	INDIANAPOLIS IN	BLEDT	-20080519ABT

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	252.6	APP	BDSTA	-NEWWLS44STA
44	WRSP-TV	SPRINGFIELD IL	276.7	LIC	BLCDDT	-20050317ADQ
44	WRSP-TV	SPRINGFIELD IL	276.7	CP	BPCDT	-20080620AGF
44	WTSF	ASHLAND KY	366.5	LIC	BLCDDT	-20080512AEM
44	WKON	OWENTON KY	193.9	LIC	BLEDT	-20011121ABI
44	WZPX-TV	BATTLE CREEK MI	323.8	LIC	BLCDDT	-20020510AAG
44	WWJ-TV	DETROIT MI	380.7	LIC	BLCDDT	-20100419AAS
44	WTLW	LIMA OH	196.7	LIC	BLCDDT	-20081209AAB
44	WJFB	LEBANON TN	416.1	LIC	BLCDDT	-20070813ABW
44	WJFB	LEBANON TN	406.8	CP	BPCDT	-20080619AAQ
45	WXIN	INDIANAPOLIS IN	0.7	LIC	BLCDDT	-20090921ACE
45	WXIN	INDIANAPOLIS IN	0.7	CP	BPCDT	-20101208AAS
44	WLS-TV	CHICAGO IL	251.2	PLN	DTVPLN	-DTVPL1568

Total scenarios = 4

Result key: 15  
 Scenario 1 Affected station 13  
 Before Analysis

Results for: 44A IN INDIANAPOLIS BLEDT 20080519ABT LIC  
 HAAT 293.0 m, ATV ERP 28.0 kW

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	POPULATION	AREA (sq km)
within Noise Limited Contour	1858633	15433.7
not affected by terrain losses	1858176	15397.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17279	223.7
lost to ATV IX only	17279	223.7
lost to all IX	17279	223.7

Potential Interfering Stations Included in above Scenario 1

44A IL SPRINGFIELD	BLCDT	20050317ADQ	LIC
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC

## After Analysis

Results for: 44A IN INDIANAPOLIS BLEDT 20080519ABT LIC

HAAT 293.0 m, ATV ERP 28.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1858633	15433.7
not affected by terrain losses	1858176	15397.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19482	303.6
lost to ATV IX only	19482	303.6
lost to all IX	19482	303.6

Potential Interfering Stations Included in above Scenario 1

44A IL SPRINGFIELD	BLCDT	20050317ADQ	LIC
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.1197%

Result key: 16

Scenario 2 Affected station 13

Before Analysis

Results for: 44A IN INDIANAPOLIS BLEDT 20080519ABT LIC

HAAT 293.0 m, ATV ERP 28.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1858633	15433.7
not affected by terrain losses	1858176	15397.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20523	307.6
lost to ATV IX only	20523	307.6
lost to all IX	20523	307.6

Potential Interfering Stations Included in above Scenario 2

44A IL SPRINGFIELD	BLCDT	20050317ADQ	LIC
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44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP

After Analysis

Results for: 44A IN INDIANAPOLIS                      BLEDT              20080519ABT    LIC  
HAAT 293.0 m, ATV ERP 28.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1858633	15433.7
not affected by terrain losses	1858176	15397.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	22726	387.4
lost to ATV IX only	22726	387.4
lost to all IX	22726	387.4

Potential Interfering Stations Included in above Scenario              2

44A IL SPRINGFIELD	BLCDT	20050317ADQ	LIC
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.1199%

Result key: 17  
Scenario 3 Affected station 13  
Before Analysis

Results for: 44A IN INDIANAPOLIS                      BLEDT              20080519ABT    LIC  
HAAT 293.0 m, ATV ERP 28.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1858633	15433.7
not affected by terrain losses	1858176	15397.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17760	243.6
lost to ATV IX only	17760	243.6
lost to all IX	17760	243.6

Potential Interfering Stations Included in above Scenario              3

44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC

After Analysis

Results for: 44A IN INDIANAPOLIS                      BLEDT              20080519ABT    LIC  
HAAT 293.0 m, ATV ERP 28.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1858633	15433.7
not affected by terrain losses	1858176	15397.8

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lost to NTSC IX	0	0.0
lost to additional IX by ATV	19963	323.5
lost to ATV IX only	19963	323.5
lost to all IX	19963	323.5

Potential Interfering Stations Included in above Scenario 3

44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.1197%

Result key: 18  
 Scenario 4 Affected station 13  
 Before Analysis

Results for: 44A IN INDIANAPOLIS BLEDT 20080519ABT LIC  
 HAAT 293.0 m, ATV ERP 28.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1858633	15433.7
not affected by terrain losses	1858176	15397.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21004	327.5
lost to ATV IX only	21004	327.5
lost to all IX	21004	327.5

Potential Interfering Stations Included in above Scenario 4

44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP

After Analysis

Results for: 44A IN INDIANAPOLIS BLEDT 20080519ABT LIC  
 HAAT 293.0 m, ATV ERP 28.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1858633	15433.7
not affected by terrain losses	1858176	15397.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	23207	407.4
lost to ATV IX only	23207	407.4
lost to all IX	23207	407.4

Potential Interfering Stations Included in above Scenario 4

44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A KY OWENTON	BLEDT	20011121ABI	LIC
44A OH LIMA	BLCDT	20081209AAB	LIC
45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP

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44A IL CHICAGO BDSTA NEWWLS44STA APP

Percent new IX = 0.1199%

Worst case new IX 0.1199% Scenario 4

#####

Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	WZPX-TV	BATTLE CREEK MI	BLCDT	-20020510AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	WCPX-TV	CHICAGO IL	228.5	APP	BPCDT	-20080619AIL
43	WTVS	DETROIT MI	157.1	LIC	BLEDT	-20091014ACH
44	WLS-TV	CHICAGO IL	227.4	APP	BDSTA	-NEWWLS44STA
44	WDTI	INDIANAPOLIS IN	323.8	CP	BPEDT	-20080617AEQ
44	WDTI	INDIANAPOLIS IN	323.8	LIC	BLEDT	-20080519ABT
44	WWJ-TV	DETROIT MI	157.1	LIC	BLCDT	-20100419AAS
44	WTLW	LIMA OH	225.2	LIC	BLCDT	-20081209AAB
45	WDIV-TV	DETROIT MI	153.8	APP	BPCDT	-20090324ABD
45	WDIV-TV	DETROIT MI	153.8	LIC	BLCDT	-20090624ABW
45	WLLA	KALAMAZOO MI	34.6	LIC	BLCDT	-20070529AEA
44	WLS-TV	CHICAGO IL	229.3	PLN	DTVPLN	-DTVP1568

Total scenarios = 1

Result key: 19  
Scenario 1 Affected station 14  
Before Analysis

Results for: 44A MI BATTLE CREEK BLCDT 20020510AAG LIC

HAAT 305.0 m, ATV ERP 212.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2003614	21515.3
not affected by terrain losses	2003503	21507.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	108950	1567.2
lost to ATV IX only	108950	1567.2
lost to all IX	108950	1567.2

Potential Interfering Stations Included in above Scenario 1

44A MI DETROIT	BLCDT	20100419AAS	LIC
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC

After Analysis

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Results for: 44A MI BATTLE CREEK BLCDT 20020510AAG LIC  
HAAT 305.0 m, ATV ERP 212.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2003614	21515.3
not affected by terrain losses	2003503	21507.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	108982	1571.2
lost to ATV IX only	108982	1571.2
lost to all IX	108982	1571.2

Potential Interfering Stations Included in above Scenario 1

44A MI DETROIT	BLCDT	20100419AAS	LIC
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0017%

Worst case new IX 0.0017% Scenario 1

#####

#### Analysis of Interference to Affected Station 15

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	WWJ-TV	DETROIT MI	BLCDT	-20100419AAS

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	WTVS	DETROIT MI	0.0	LIC	BLEDT	-20091014ACH
44	WLS-TV	CHICAGO IL	371.6	APP	BDSTA	-NEWWLS44STA
44	WDTI	INDIANAPOLIS IN	380.7	CP	BPEDT	-20080617AEQ
44	WDTI	INDIANAPOLIS IN	380.7	LIC	BLEDT	-20080519ABT
44	WZPX-TV	BATTLE CREEK MI	157.1	LIC	BLCDT	-20020510AAG
44	WTLW	LIMA OH	205.2	LIC	BLCDT	-20081209AAB
45	WDIV-TV	DETROIT MI	4.7	APP	BPCDT	-20090324ABD
45	WDIV-TV	DETROIT MI	4.7	LIC	BLCDT	-20090624ABW
45	WLLA	KALAMAZOO MI	187.7	LIC	BLCDT	-20070529AEA
44	WLS-TV	CHICAGO IL	373.1	PLN	DTVPLN	-DTVP1568

Proposal causes no interference

#####

#### Analysis of Interference to Affected Station 16

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	WTLW	LIMA OH	BLCDT	-20081209AAB

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## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	WTVS	DETROIT MI	205.2	LIC	BLEDT	-20091014ACH
44	WLS-TV	CHICAGO IL	313.6	APP	BDSTA	-NEWWLS44STA
44	WDTI	INDIANAPOLIS IN	196.7	CP	BPEDT	-20080617AEQ
44	WDTI	INDIANAPOLIS IN	196.7	LIC	BLEDT	-20080519ABT
44	WTSF	ASHLAND KY	301.8	LIC	BLCDT	-20080512AEM
44	WKON	OWENTON KY	254.5	LIC	BLEDT	-20011121ABI
44	WZPX-TV	BATTLE CREEK MI	225.2	LIC	BLCDT	-20020510AAG
44	WWJ-TV	DETROIT MI	205.2	LIC	BLCDT	-20100419AAS
45	WXIN	INDIANAPOLIS IN	196.7	LIC	BLCDT	-20090921ACE
45	WXIN	INDIANAPOLIS IN	196.7	CP	BPCDT	-20101208AAS
45	WDIV-TV	DETROIT MI	207.7	APP	BPCDT	-20090324ABD
45	WDIV-TV	DETROIT MI	207.7	LIC	BLCDT	-20090624ABW
45	WLLA	KALAMAZOO MI	226.5	LIC	BLCDT	-20070529AEA
44	WLS-TV	CHICAGO IL	313.8	PLN	DTVPLN	-DTVP1568

Proposal causes no interference

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## Analysis of Interference to Affected Station 17

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	WSNS-TV	CHICAGO IL	BLCDT	-20010612AIB

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	2.5	APP	BDSTA	-NEWWLS44STA
45	WXIN	INDIANAPOLIS IN	251.9	LIC	BLCDT	-20090921ACE
45	WXIN	INDIANAPOLIS IN	251.9	CP	BPCDT	-20101208AAS
45	WDIV-TV	DETROIT MI	371.0	APP	BPCDT	-20090324ABD
45	WDIV-TV	DETROIT MI	371.0	LIC	BLCDT	-20090624ABW
45	WLLA	KALAMAZOO MI	194.8	LIC	BLCDT	-20070529AEA
46	WTVP	PEORIA IL	213.1	LIC	BLEDT	-20040105ACV
46	WHME-TV	SOUTH BEND IN	126.4	CP	BPCDT	-20090716AAZ
46	WHME-DR	SOUTH BEND IN	126.4	APP	BPRM	-20080619AET
46	WDJT-TV	MILWAUKEE WI	139.1	LIC	BLCDT	-20050722ABL
44	WLS-TV	CHICAGO IL	0.0	PLN	DTVPLN	-DTVP1568

Total scenarios = 6

Result key: 20  
 Scenario 1 Affected station 17  
 Before Analysis

Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC  
 HAAT 472.0 m, ATV ERP 467.0 kW  
 POPULATION AREA (sq km)

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within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	53123	758.2
lost to ATV IX only	53123	758.2
lost to all IX	53123	758.2

Potential Interfering Stations Included in above Scenario 1

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

## After Analysis

Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC

HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55109	778.2
lost to ATV IX only	55109	778.2
lost to all IX	55109	778.2

Potential Interfering Stations Included in above Scenario 1

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0212%

Result key: 21

Scenario 2 Affected station 17

## Before Analysis

Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC

HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	53123	758.2
lost to ATV IX only	53123	758.2
lost to all IX	53123	758.2

Potential Interfering Stations Included in above Scenario 2

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC



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After Analysis

Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC  
HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55109	778.2
lost to ATV IX only	55109	778.2
lost to all IX	55109	778.2

Potential Interfering Stations Included in above Scenario 2

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0212%

Result key: 22  
Scenario 3 Affected station 17  
Before Analysis

Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC  
HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	53123	758.2
lost to ATV IX only	53123	758.2
lost to all IX	53123	758.2

Potential Interfering Stations Included in above Scenario 3

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A IN SOUTH BEND	BPRM	20080619AET	APP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

After Analysis

Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC  
HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55109	778.2
lost to ATV IX only	55109	778.2
lost to all IX	55109	778.2

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Potential Interfering Stations Included in above Scenario 3

45A IN INDIANAPOLIS	BLCDDT	20090921ACE	LIC
46A IN SOUTH BEND	BPCDDT	20090716AAZ	CP
46A IN SOUTH BEND	BPRM	20080619AET	APP
46A WI MILWAUKEE	BLCDDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0212%

Result key: 23  
Scenario 4 Affected station 17  
Before Analysis

Results for: 45A IL CHICAGO BLCDDT 20010612AIB LIC  
HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	53123	758.2
lost to ATV IX only	53123	758.2
lost to all IX	53123	758.2

Potential Interfering Stations Included in above Scenario 4

45A IN INDIANAPOLIS	BLCDDT	20090921ACE	LIC
46A IN SOUTH BEND	BPCDDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDDT	20050722ABL	LIC

After Analysis

Results for: 45A IL CHICAGO BLCDDT 20010612AIB LIC  
HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55109	778.2
lost to ATV IX only	55109	778.2
lost to all IX	55109	778.2

Potential Interfering Stations Included in above Scenario 4

45A IN INDIANAPOLIS	BLCDDT	20090921ACE	LIC
46A IN SOUTH BEND	BPCDDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0212%

Result key: 24  
Scenario 5 Affected station 17  
Before Analysis

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Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC

HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	53123	758.2
lost to ATV IX only	53123	758.2
lost to all IX	53123	758.2

Potential Interfering Stations Included in above Scenario 5

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A IN SOUTH BEND	BPRM	20080619AET	APP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

After Analysis

Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC

HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55109	778.2
lost to ATV IX only	55109	778.2
lost to all IX	55109	778.2

Potential Interfering Stations Included in above Scenario 5

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A IN SOUTH BEND	BPRM	20080619AET	APP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0212%

Result key: 25

Scenario 6 Affected station 17

Before Analysis

Results for: 45A IL CHICAGO BLCDT 20010612AIB LIC

HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	53123	758.2
lost to ATV IX only	53123	758.2
lost to all IX	53123	758.2

Potential Interfering Stations Included in above Scenario 6

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45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

After Analysis

Results for: 45A IL CHICAGO                      BLCDT              20010612AIB    LIC  
HAAT 472.0 m, ATV ERP 467.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9417710	28926.9
not affected by terrain losses	9417608	28914.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55109	778.2
lost to ATV IX only	55109	778.2
lost to all IX	55109	778.2

Potential Interfering Stations Included in above Scenario              6

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX =        0.0212%

Worst case new IX        0.0212% Scenario              1

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	WSNS-TV	CHICAGO IL	BPCDT	-20080620AMW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	WLS-TV	CHICAGO IL	2.5	APP	BDSTA	-NEWWLS44STA
45	WXIN	INDIANAPOLIS IN	251.9	LIC	BLCDT	-20090921ACE
45	WXIN	INDIANAPOLIS IN	251.9	CP	BPCDT	-20101208AAS
45	WDIV-TV	DETROIT MI	371.0	APP	BPCDT	-20090324ABD
45	WDIV-TV	DETROIT MI	371.0	LIC	BLCDT	-20090624ABW
45	WLLA	KALAMAZOO MI	194.8	LIC	BLCDT	-20070529AEA
46	WTVP	PEORIA IL	213.1	LIC	BLEDT	-20040105ACV
46	WHME-TV	SOUTH BEND IN	126.4	CP	BPCDT	-20090716AAZ
46	WHME-DR	SOUTH BEND IN	126.4	APP	BPRM	-20080619AET
46	WDJT-TV	MILWAUKEE WI	139.1	LIC	BLCDT	-20050722ABL
44	WLS-TV	CHICAGO IL	0.0	PLN	DTVPLN	-DTVP1568

Total scenarios =        6

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Result key: 26  
Scenario 1 Affected station 18  
Before Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59957	938.7
lost to ATV IX only	59957	938.7
lost to all IX	59957	938.7

Potential Interfering Stations Included in above Scenario 1

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

### After Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61012	942.7
lost to ATV IX only	61012	942.7
lost to all IX	61012	942.7

Potential Interfering Stations Included in above Scenario 1

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0112%

Result key: 27  
Scenario 2 Affected station 18  
Before Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59957	938.7

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lost to ATV IX only	59957	938.7
lost to all IX	59957	938.7

Potential Interfering Stations Included in above Scenario 2

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

After Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61012	942.7
lost to ATV IX only	61012	942.7
lost to all IX	61012	942.7

Potential Interfering Stations Included in above Scenario 2

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0112%

Result key: 28  
Scenario 3 Affected station 18  
Before Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	60155	942.7
lost to ATV IX only	60155	942.7
lost to all IX	60155	942.7

Potential Interfering Stations Included in above Scenario 3

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A IN SOUTH BEND	BPRM	20080619AET	APP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

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After Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61210	946.7
lost to ATV IX only	61210	946.7
lost to all IX	61210	946.7

Potential Interfering Stations Included in above Scenario 3

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A IN SOUTH BEND	BPRM	20080619AET	APP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0112%

Result key: 29  
Scenario 4 Affected station 18  
Before Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59957	938.7
lost to ATV IX only	59957	938.7
lost to all IX	59957	938.7

Potential Interfering Stations Included in above Scenario 4

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

After Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61012	942.7
lost to ATV IX only	61012	942.7

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lost to all IX 61012 942.7

Potential Interfering Stations Included in above Scenario 4

45A IN INDIANAPOLIS	BLCDT	20090921ACE	LIC
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0112%

Result key: 30  
Scenario 5 Affected station 18  
Before Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	60155	942.7
lost to ATV IX only	60155	942.7
lost to all IX	60155	942.7

Potential Interfering Stations Included in above Scenario 5

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A IN SOUTH BEND	BPRM	20080619AET	APP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

After Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61210	946.7
lost to ATV IX only	61210	946.7
lost to all IX	61210	946.7

Potential Interfering Stations Included in above Scenario 5

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A IN SOUTH BEND	BPRM	20080619AET	APP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP



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Percent new IX = 0.0112%

Result key: 31  
Scenario 6 Affected station 18  
Before Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59957	938.7
lost to ATV IX only	59957	938.7
lost to all IX	59957	938.7

Potential Interfering Stations Included in above Scenario 6

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC

After Analysis

Results for: 45A IL CHICAGO BPCDT 20080620AMW CP  
HAAT 472.0 m, ATV ERP 665.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9481680	30787.1
not affected by terrain losses	9481286	30763.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61012	942.7
lost to ATV IX only	61012	942.7
lost to all IX	61012	942.7

Potential Interfering Stations Included in above Scenario 6

45A IN INDIANAPOLIS	BPCDT	20101208AAS	CP
45A MI KALAMAZOO	BLCDT	20070529AEA	LIC
46A IN SOUTH BEND	BPCDT	20090716AAZ	CP
46A WI MILWAUKEE	BLCDT	20050722ABL	LIC
44A IL CHICAGO	BDSTA	NEWWLS44STA	APP

Percent new IX = 0.0112%

Worst case new IX 0.0112% Scenario 3

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Analysis of Interference to Affected Station 19

Analysis of current record

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Channel	Call	City/State	Application Ref. No.
45	WLLA	KALAMAZOO MI	BLCDT -20070529AEA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	WLS-TV	CHICAGO IL	192.9	APP	BDSTA -NEWWLS44STA
44	WZPX-TV	BATTLE CREEK MI	34.6	LIC	BLCDT -20020510AAG
44	WWJ-TV	DETROIT MI	187.7	LIC	BLCDT -20100419AAS
44	WTLW	LIMA OH	226.5	LIC	BLCDT -20081209AAB
45	WSNS-TV	CHICAGO IL	194.8	LIC	BLCDT -20010612AIB
45	WSNS-TV	CHICAGO IL	194.8	CP	BPCDT -20080620AMW
45	WXIN	INDIANAPOLIS IN	303.8	LIC	BLCDT -20090921ACE
45	WXIN	INDIANAPOLIS IN	303.8	CP	BPCDT -20101208AAS
45	WDIV-TV	DETROIT MI	184.8	APP	BPCDT -20090324ABD
45	WDIV-TV	DETROIT MI	184.8	LIC	BLCDT -20090624ABW
45	WFUP	VANDERBILT MI	295.1	LIC	BLCDT -20091217ACW
45	WNEO	ALLIANCE OH	419.7	LIC	BLEDT -20090129AAN
46	WHME-TV	SOUTH BEND IN	122.3	CP	BPCDT -20090716AAZ
46	WHME-DR	SOUTH BEND IN	122.3	APP	BPRM -20080619AET
46	WBSF	BAY CITY MI	165.5	LIC	BLCDT -20090622AFF
46	WUPW	TOLEDO OH	194.3	CP	BPCDT -20080619AJB
46	WUPW	TOLEDO OH	194.3	LIC	BLCDT -20030411AAF
46	WDJT-TV	MILWAUKEE WI	210.4	LIC	BLCDT -20050722ABL
44	WLS-TV	CHICAGO IL	194.8	PLN	DTVPLN -DTVP1568

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	WMEU-CA	BLUE ISLAND IL	BLTTA -20041008AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WIFR	FREEPORT IL	137.8	CP MOD	BMPCDT -20081110ADQ
41	WIFR	FREEPORT IL	137.8	LIC	BLCDT -20041012AIQ
41	WIFR-DR	FREEPORT IL	137.8	APP	BPRM -20080620AOH
41	WIFR	FREEPORT IL	137.8	CP MOD	BMPCDT -20050103AFQ
44	WLS-TV	CHICAGO IL	44.6	APP	BDSTA -NEWWLS44STA
45	WSNS-TV	CHICAGO IL	42.2	LIC	BLCDT -20010612AIB
45	WSNS-TV	CHICAGO IL	42.2	CP	BPCDT -20080620AMW
46	WHME-TV	SOUTH BEND IN	141.0	CP	BPCDT -20090716AAZ
46	WHME-DR	SOUTH BEND IN	141.0	APP	BPRM -20080619AET
47	WTTW	CHICAGO IL	42.2	LIC	BLEDT -20020408ABK
48	WCIA	CHAMPAIGN IL	166.7	LIC	BLCDT -20070612ABY
48	WTTV	BLOOMINGTON IN	277.2	LIC	BLCDT -20060630ACD

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48	WTTV-DR	BLOOMINGTON IN	277.2	LIC	BPRM	-20030820AEO
48	WTTV	BLOOMINGTON IN	277.2	CP	BPCDT	-20100324AAF
48	WHME-TV	SOUTH BEND IN	141.0	LIC	BLCDDT	-20060109ABG
48	WAQP	SAGINAW MI	363.9	LIC	BLCDDT	-20060824ADS
48	WXOW	LA CROSSE WI	382.1	LIC	BLCDDT	-20090622ACY
48	WXOW-DR	LA CROSSE WI	382.1	APP	BPRM	-20080620AOE
48	WBME-TV	RACINE WI	175.2	LIC	BLCDDT	-20090807ACD
50	WXFT-DT	AURORA IL	42.2	LIC	BLCDDT	-20101116BHE
51	WPWR-TV	GARY IN	42.2	LIC	BLCDDT	-20050425ACE
44	WLS-TV	CHICAGO IL	42.2	PLN	DTVPLN	-DTVP1568

Proposal causes no interference

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## Analysis of Interference to Affected Station 21

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WMEU-CA	CHICAGO IL	BSTA	-20110404AGH

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WPXE-TV	KENOSHA WI	137.0	LIC	BLCDDT	-20040206AAT
41	WIFR	FREEDPORT IL	134.8	CP MOD	BMPCDDT	-20081110ADQ
41	WIFR	FREEDPORT IL	134.8	LIC	BLCDDT	-20041012AIQ
41	WIFR-DR	FREEDPORT IL	134.8	APP	BPRM	-20080620AOH
41	WIFR	FREEDPORT IL	134.8	CP MOD	BMPCDDT	-20050103AFQ
44	WLS-TV	CHICAGO IL	2.5	APP	BDSTA	-NEWWLS44STA
45	WSNS-TV	CHICAGO IL	0.0	LIC	BLCDDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	0.0	CP	BPCDDT	-20080620AMW
46	WHME-TV	SOUTH BEND IN	126.4	CP	BPCDDT	-20090716AAZ
46	WHME-DR	SOUTH BEND IN	126.4	APP	BPRM	-20080619AET
46	WDJT-TV	MILWAUKEE WI	139.1	LIC	BLCDDT	-20050722ABL
47	WTTW	CHICAGO IL	0.0	LIC	BLEDT	-20020408ABK
48	WCIA	CHAMPAIGN IL	208.6	LIC	BLCDDT	-20070612ABY
48	WTTV	BLOOMINGTON IN	302.0	LIC	BLCDDT	-20060630ACD
48	WTTV-DR	BLOOMINGTON IN	302.0	LIC	BPRM	-20030820AEO
48	WTTV	BLOOMINGTON IN	302.0	CP	BPCDDT	-20100324AAF
48	WHME-TV	SOUTH BEND IN	126.4	LIC	BLCDDT	-20060109ABG
48	WAQP	SAGINAW MI	329.1	LIC	BLCDDT	-20060824ADS
48	WXOW	LA CROSSE WI	371.9	LIC	BLCDDT	-20090622ACY
48	WXOW-DR	LA CROSSE WI	371.9	APP	BPRM	-20080620AOE
48	WBME-TV	RACINE WI	139.1	LIC	BLCDDT	-20090807ACD
49	WOCH-CA	CHICAGO IL	2.5	CP MOD	BMPDDT	-20100409AAK
50	WXFT-DT	AURORA IL	0.0	LIC	BLCDDT	-20101116BHE
51	WPWR-TV	GARY IN	0.0	LIC	BLCDDT	-20050425ACE
44	WLS-TV	CHICAGO IL	0.0	PLN	DTVPLN	-DTVP1568

Proposal causes no interference

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WMEU-CA	CHICAGO IL	BMPTTA	-20110317ABS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WPXE-TV	KENOSHA WI	137.0	LIC	BLCDT	-20040206AAT
41	WIFR	FREEPOR IL	134.8	CP MOD	BMPCDT	-20081110ADQ
41	WIFR	FREEPOR IL	134.8	LIC	BLCDT	-20041012AIQ
41	WIFR-DR	FREEPOR IL	134.8	APP	BPRM	-20080620AOH
41	WIFR	FREEPOR IL	134.8	CP MOD	BMPCDT	-20050103AFQ
44	WLS-TV	CHICAGO IL	2.5	APP	BDSTA	-NEWWLS44STA
45	WSNS-TV	CHICAGO IL	0.0	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	0.0	CP	BPCDT	-20080620AMW
46	WHME-TV	SOUTH BEND IN	126.4	CP	BPCDT	-20090716AAZ
46	WHME-DR	SOUTH BEND IN	126.4	APP	BPRM	-20080619AET
46	WDJT-TV	MILWAUKEE WI	139.1	LIC	BLCDT	-20050722ABL
47	WTTW	CHICAGO IL	0.0	LIC	BLEDT	-20020408ABK
48	WCIA	CHAMPAIGN IL	208.6	LIC	BLCDT	-20070612ABY
48	WTTV	BLOOMINGTON IN	302.0	LIC	BLCDT	-20060630ACD
48	WTTV-DR	BLOOMINGTON IN	302.0	LIC	BPRM	-20030820AEO
48	WTTV	BLOOMINGTON IN	302.0	CP	BPCDT	-20100324AAF
48	WHME-TV	SOUTH BEND IN	126.4	LIC	BLCDT	-20060109ABG
48	WAQP	SAGINAW MI	329.1	LIC	BLCDT	-20060824ADS
48	WXOW	LA CROSSE WI	371.9	LIC	BLCDT	-20090622ACY
48	WXOW-DR	LA CROSSE WI	371.9	APP	BPRM	-20080620AOE
48	WBME-TV	RACINE WI	139.1	LIC	BLCDT	-20090807ACD
49	WOCH-CA	CHICAGO IL	2.5	CP MOD	BMPDTA	-20100409AAK
50	WXFT-DT	AURORA IL	0.0	LIC	BLCDT	-20101116BHE
51	WPWR-TV	GARY IN	0.0	LIC	BLCDT	-20050425ACE
44	WLS-TV	CHICAGO IL	0.0	PLN	DTVPLN	-DTVPL1568

Proposal causes no interference

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	WLS-TV	CHICAGO IL	BDSTA	-NEWWLS44STA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	WCPX-TV	CHICAGO IL	1.1	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
43	WWRS-TV	MAYVILLE WI	186.1	APP	BPCDT	-20080618ATT
43	WWRS-TV	MAYVILLE WI	186.1	LIC	BLCDT	-20050825AEW

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44	WRSP-TV	SPRINGFIELD IL	279.2	LIC	BLCDT	-20050317ADQ
44	WRSP-TV	SPRINGFIELD IL	279.2	CP	BPCDT	-20080620AGF
44	WDTI	INDIANAPOLIS IN	252.6	CP	BPEDT	-20080617AEQ
44	WDTI	INDIANAPOLIS IN	252.6	LIC	BLEDT	-20080519ABT
44	WZPX-TV	BATTLE CREEK MI	227.4	LIC	BLCDT	-20020510AAG
44	WWJ-TV	DETROIT MI	371.6	LIC	BLCDT	-20100419AAS
44	WTLW	LIMA OH	313.6	LIC	BLCDT	-20081209AAB
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	CP	BPCDT	-20080620AMW
45	WLLA	KALAMAZOO MI	192.9	LIC	BLCDT	-20070529AEA

Total scenarios = 2

Result key: 32  
 Scenario 1 Affected station 23  
 Before Analysis

Results for: 44A IL CHICAGO BDSTA NEWWLS44STA APP  
 HAAT 437.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9528788	32035.9
not affected by terrain losses	9524875	31983.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18511	349.1
lost to ATV IX only	18511	349.1
lost to all IX	18511	349.1

Potential Interfering Stations Included in above Scenario 1

43A IL CHICAGO	BLCDT	20010226ABH	LIC
44A IL SPRINGFIELD	BPCDT	20080620AGF	CP
44A IN INDIANAPOLIS	BPEDT	20080617AEQ	CP
44A MI BATTLE CREEK	BLCDT	20020510AAG	LIC
45A IL CHICAGO	BLCDT	20010612AIB	LIC

Result key: 33  
 Scenario 2 Affected station 23  
 Before Analysis

Results for: 44A IL CHICAGO BDSTA NEWWLS44STA APP  
 HAAT 437.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9528788	32035.9
not affected by terrain losses	9524875	31983.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18913	357.2
lost to ATV IX only	18913	357.2
lost to all IX	18913	357.2

Potential Interfering Stations Included in above Scenario 2

43A IL CHICAGO	BLCDT	20010226ABH	LIC
44A IL SPRINGFIELD	BPCDT	20080620AGF	CP

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44A IN INDIANAPOLIS	BPEDT	20080617AEQ	CP
44A MI BATTLE CREEK	BLCDT	20020510AAG	LIC
45A IL CHICAGO	BPCDT	20080620AMW	CP

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