

**STATEMENT OF JOHN E. HIDLE, JR.
IN SUPPORT OF
AN APPLICATION TO AMEND A PENDING
APPLICATION FOR CONSTRUCTION PERMIT
BPCDT- 19991101ACJ
WUTV-DT - BUFFALO, NEW YORK
DT - CH. 14 – 1000 kW – 311.5 M HAAT**

Prepared for: WUTV LICENSEE, LLC.

MARCH, 2004

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Prepared for: WUTV LICENSEE, LLC.

I am an 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.

GENERAL

This office has been authorized by WUTV Licensee, LLC, Applicant for a Construction Permit for WUTV-DT, channel 14, Buffalo, New York, to prepare this statement, FCC Form 301, Sections III and III-D, and the associated exhibits in support of an Amendment to Application for DTV Construction Permit. The original proposal as reflected in the current Application for DTV Construction Permit, file number BPCDT-19991101ACJ, was to maximize the facilities of WUTV-DT at the existing tower site of the licensed WUTV analog facility located at 43° 01' 32" N latitude, 78° 55' 43" W longitude. However, the initial application has never been granted due to interference concerns regarding a co-channel

Canadian television Allotment in Barry's Bay, Ontario, Canada.

Therefore, in sum, it is proposed herein to further directionalize the signal of the WUTV-DT transmission facilities to provide protection to Canadian television equivalent to that of the WUTV-DT allotment, and to reduce the requested WUTV-DT Height Above Average Terrain (HAAT) from 329.0 meters to 311.5 meters.

PROPOSED DIRECTIONAL ANTENNA

The applicant intends to utilize a new directional transmitting antenna, a Dielectric TFU-16DSB-E (C), that will be side-mounted on the existing structure now occupied by the WUTV analog facilities at 43° 01' 32" N latitude, 78° 55' 43" W longitude. (NAD 27 datum). A Vertical Plan Antenna Sketch, showing the stacking configuration on top of the proposed support structure, is provided as Exhibit 1. The antenna manufacturer's horizontal plane radiation pattern is shown in Exhibit 2, and tabulated in exhibits 3A and 3B. The antenna manufacturer's vertical plane radiation pattern, illustrating the proposed antenna's radiation characteristics above and below the horizontal plane, is shown in Exhibit 4A and 4B, and tabulated in Exhibit 5.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours of the WUTV-DT facility proposed herein were calculated in accordance with the method described in Section 73.684 of the Rules, utilizing

the appropriate F(50,90) propagation curves (47 CFR Section 73.699), power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site, the antenna site elevation and coordinates were determined from the National Geophysical Data Center Thirty Second Point Database (TPG-0050) as prescribed in the FCC Rules. The predicted principal community (48 dBu) contour completely encompasses the principal community of license, shown in Exhibit 6, as required by FCC Rules. The predicted 41 dBu protected coverage contour is also shown in Exhibit 6.

ALLOCATION CONSIDERATIONS

Full Service Television Considerations

An interference study was performed, using the Commission's application analysis program, "TV-Process," to ensure that the proposed WUTV-DT facility is in compliance with the Commission's *de minimis* interference requirements in regard to full service NTSC and DTV stations. TV-Process indicated no unacceptable interference to the authorized or requested facility of any full service NTSC or DTV station.

Class A Television Allocation Considerations

As required in Section 73.613 of the FCC's Rules, as established in the Report and Order establishing Class A Television Service, released April 4, 2000, a study of interference contour overlap was performed, based on the WUTV-DT facility proposed

herein, to establish compliance with the protection requirements contained therein. The protection requirement is based upon a showing that a proposal for a new or modified facility does not create prohibited contour overlap as defined by the FCC Rules. However, a DTV station is allowed contour overlap to a Class A television station that already exists based upon the requested facility of the DTV station filed on or before December 31, 1999, or before April 30, 2000, based upon a letter of intent to maximize filed on or before December 31, 1999. A full service digital television station must provide protection of at least -14 dB based on an F(50,10) interference contour as calculated according to the method in 47 CFR §73.699, to the protected 74 dBu F(50,50) contour of an upper first adjacent channel UHF Class A Television station. Further, where the site of a full service DTV station is located inside the protected coverage area of a Class A Television station, that Class A station is eligible for displacement relief.

Results of the contour overlap study indicated that both the allotment and instant proposal for WUTV-DT channel 14 is located inside the protected contour of WBNF-CA channel 15, Buffalo, New York. Therefore, WBNF-CA is now and has always been displaced, and may be entitled to displacement relief according to the Rules. The contour overlap study further indicates no prohibited contour overlap of the protected service areas of any other LPTV stations which have obtained Class A status. Therefore, the instant proposal for WUTV-DT is in compliance with the FCC's protection requirements in regards to Class A Television.

Canadian Television Allocation Considerations

WUTV-DT's initial Application for Construction Permit has not been granted due to concerns from Industry Canada, as noted in its letter to the FCC dated April 3, 2003. Specifically, the letter notes new interference in excess of 2% to co-channel digital television allotment in Barry's Bay, Ontario. Additionally we noted contour overlap with a first adjacent channel digital television allotment in Hamilton, Ontario. As shown in Exhibits 7-9, the instant proposed facility reduces overall contour overlap to areas over land, as compared to contour overlap predicted to exist based on the WUTV-DT allotment. Industry Canada has accepted overlap based on the allotments of the stations in the Digital Table of Allotments as set forth in "Appendix B" of the Second Memorandum Opinion and Order on Reconsideration of the Fifth and Sixth Report and Orders adopted November 24, 1998, pursuant to negotiations with the U.S. Government regarding the transition to digital television in the United States and the resulting "Letter of Understanding." As a checklist application would be grantable in the case of WUTV-DT, an application to maximize facilities that does not cause contour overlap in excess of the checklist application should therefore also be acceptable.

BLANKETING AND INTERMODULATION INTERFERENCE

A number of broadcast and non-broadcast facilities are located within 10 km of the proposed WUTV-DT transmitter/antenna site. The applicant recognizes its responsibility to remedy complaints of interference created by this proposal in accordance with applicable Rules.

ENVIRONMENTAL CONSIDERATIONS

RADIO FREQUENCY IMPACT

Effective October 15, 1997, the FCC adopted guidelines and procedures for evaluating environmental effects of radio frequency (RF) emissions. The guidelines are generally based on recommendations by the National Council on Radiation Protection and Measurements (NCRP) in NCRP Report No. 86 (1986), and by the American National Standards Institute and the Institute of Electrical and Electronic Engineers, LLC (IEEE) in ANSI/IEEE C95.1-1992 (IEEE C95.1-1991). The guidelines provide a maximum permissible exposure (MPE) level for occupational or “controlled” situations that apply in cases that affect the general public. The FCC Office of Engineering and Technology’s technical bulletin No. 65 entitled, “Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields” (Edition 97-01, August 1997), provides assistance in the determination of whether FCC-regulated transmitting facilities, operations or devices comply with guideline limits for human exposure to radio frequency electromagnetic fields as adopted by the Commission in 1996. Bulletin No. 65 contains the technical information necessary to evaluate compliance with the FCC’s policies and guidelines.

The FCC’s Maximum Permitted Exposure (MPE) level for “uncontrolled” environments is 0.2 milliwatts per centimeter squared (mW/cm^2) when applied to broadcast facilities operating between 30 MHz and 300 MHz, and for broadcast facilities operating

between 300 MHz and 1500 MHz, primarily UHF DT stations, is derived from the formula, $(\text{frequency}/1500)$. The MPE level for “controlled” environments is 1.0 milliwatts per centimeter squared (mW/cm^2) for operations between 30 MHz and 300 MHz, and for broadcast stations operating between 300 MHz and 1500 MHz in a “controlled” environment is derived from the formula, $(\text{frequency}/300)$.

The predicted emissions of WUTV-DT channel 14 must be considered, along with the predicted emissions from other proposed and existing stations at the current site. For WUTV-DT, which will operate on channel 14 (473 MHz), the MPE level for “uncontrolled” environments is $0.335 \text{ mW}/\text{cm}^2$, and for “controlled” environments is $1.675 \text{ mW}/\text{cm}^2$.

The proposed WUTV-DT facility, channel 14, will operate with a maximum ERP of 1000 kW from a horizontally polarized directional transmitting antenna with a centerline height of 312.0 meters above ground level (AGL). Considering a very conservative vertical plane relative field factor of 0.3, the WUTV-DT facility produces a predicted power density at two meters above ground level of $0.03128 \text{ mW}/\text{cm}^2$, which is 9.92% of the FCC guideline value for “uncontrolled” environments, and 1.996% of the FCC guideline value for “controlled” environments.

As shown in Appendix A, the total predicted percentage of the MPE value at WUTV’s site, considering the cumulative predicted radiation of all of the stations which are located at the site, is only 24.74% of the limit for “uncontrolled” environments, and 4.95% of the limit for

"controlled" environments. The site is therefore in compliance with the FCC's Maximum Permitted Exposure guidelines.

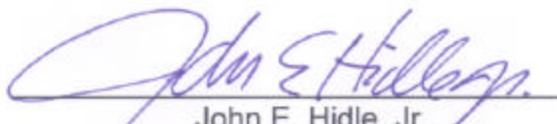
OCCUPATIONAL SAFETY

The permittee of WUTV-DT is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WUTV-DT antenna. The applicant is committed to reducing power and/or ceasing operation during times of service or maintenance of the transmission systems, when necessary, to ensure protection to personnel. In light of the above, the proposed modification of the WUTV-DT facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

SUMMARY

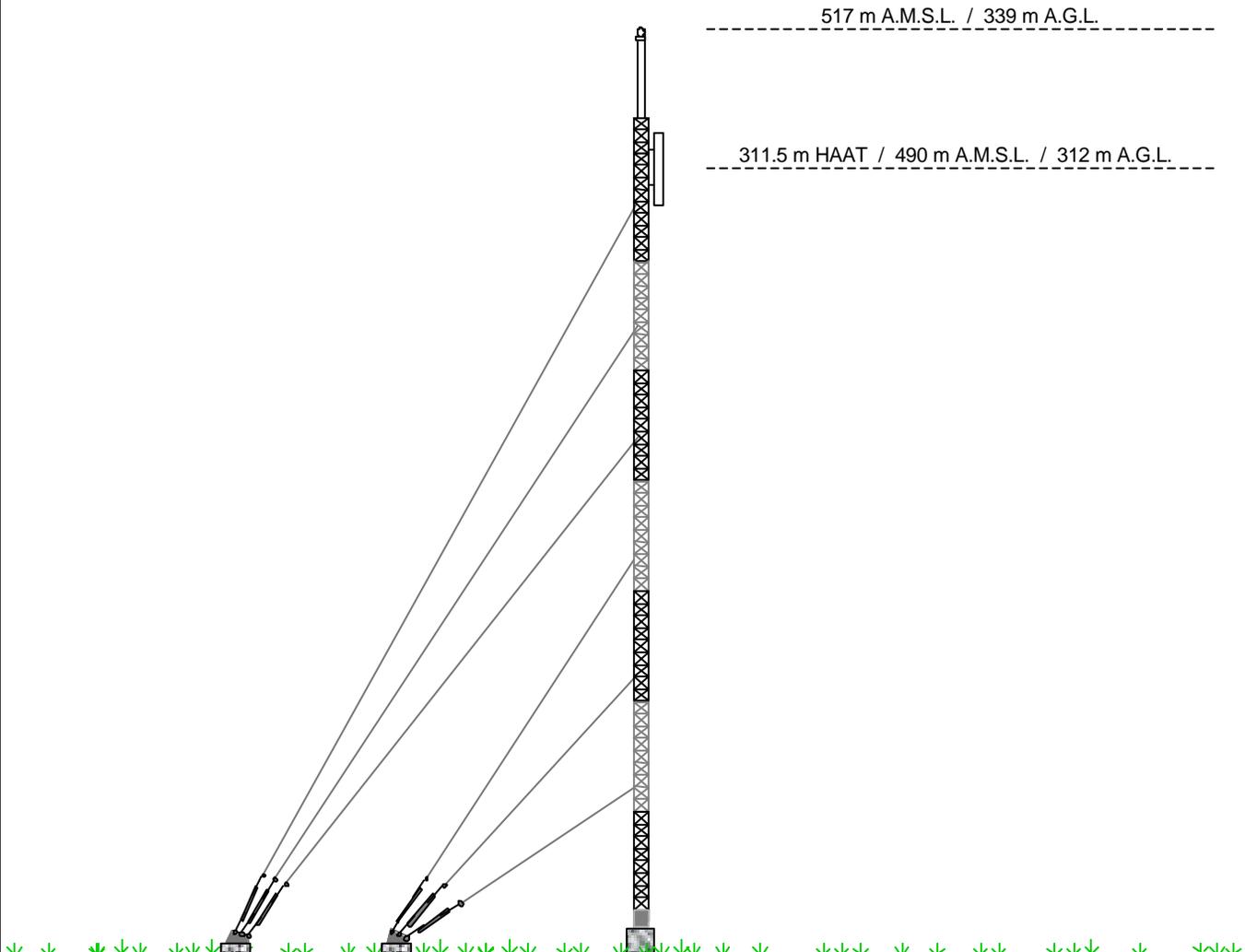
It is submitted that the proposal described herein complies with the Rules and Regulations of the Federal Communications Commission. This statement, FCC Form 301, Sections III and III-D, and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

Dated: March 15, 2004


John E. Hidle, Jr.

COORDINATES NAD-27
NORTH LATITUDE: 43° 01' 32"
WEST LONGITUDE: 78° 55' 43"

TOWER REG. # 1019110



AVERAGE TERRAIN = 178 m A.M.S.L.

VERTICAL PLAN ANTENNA SKETCH
WUTV-DT - BUFFALO, NEW YORK
311.5 m HAAT - 1000 kW ERP
MARCH, 2004

CARL T. JONES
CORPORATION

NOTE : NOT DRAWN TO SCALE

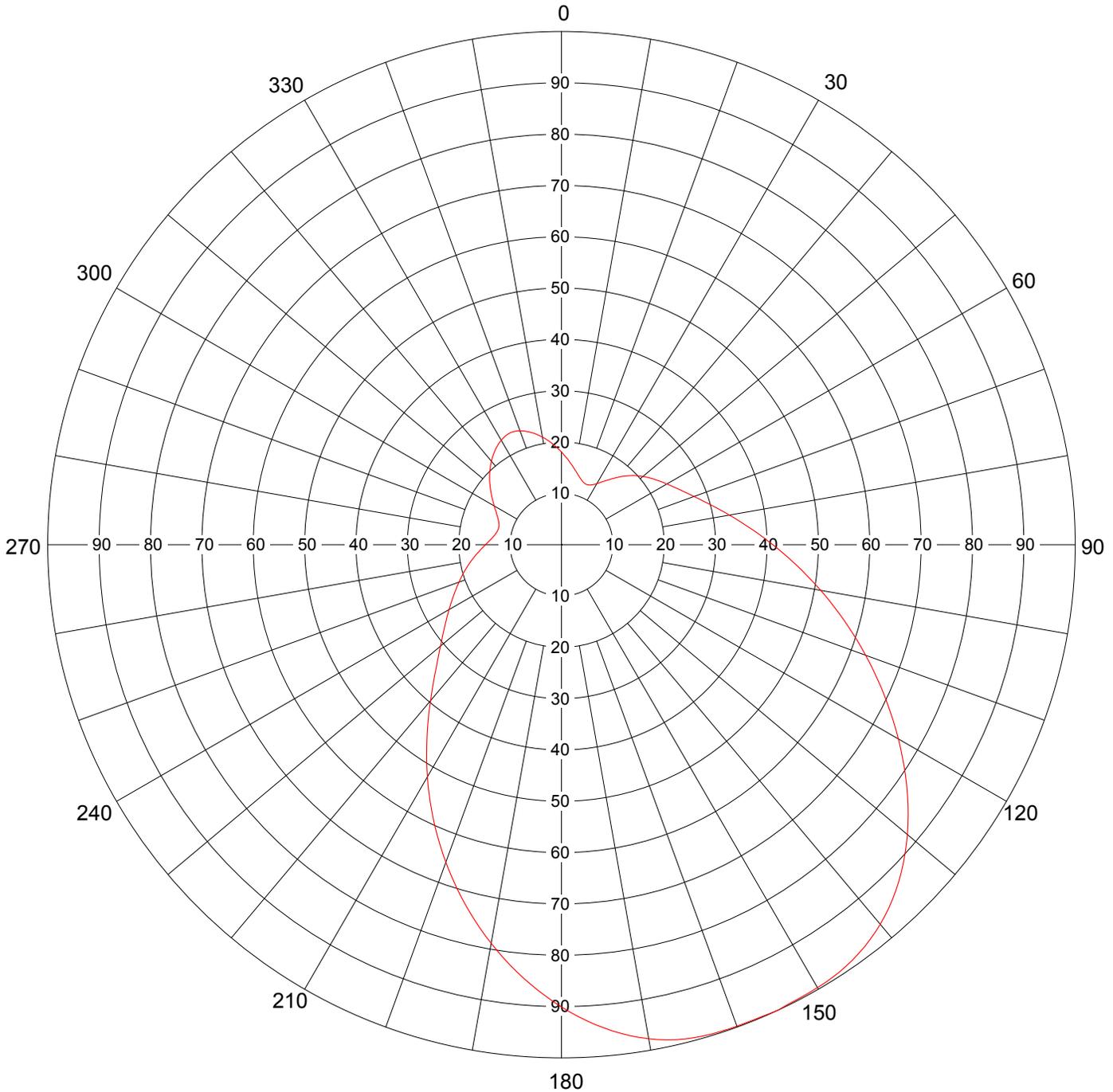


Exhibit No.
2

Date **08 Oct 2003**
Call Letters **WUTV-DT** Channel **14**
Location **Buffalo, NY**
Customer **WUTV Licensee, LLC**
Antenna Type **TFU-16DSB-E (C)**

AZIMUTH PATTERN

RMS Gain at Main Lobe **3.90 (5.91 dB)** Frequency **473 MHz**
Calculated / Measured **Calculated** Drawing # **DSB-E**



Remarks:



Exhibit No.
3A

Date **08 Oct 2003**
 Call Letters **WUTV-DT** Channel **14**
 Location **Buffalo, NY**
 Customer **WUTV Licensee, LLC**
 Antenna Type **TFU-16DSB-E (C)**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **DSB-E**

Angle	Field														
0	0.181	45	0.190	90	0.411	135	0.928	180	0.901	225	0.346	270	0.148	315	0.198
1	0.177	46	0.194	91	0.420	136	0.937	181	0.891	226	0.338	271	0.146	316	0.201
2	0.174	47	0.197	92	0.430	137	0.945	182	0.880	227	0.330	272	0.143	317	0.204
3	0.171	48	0.201	93	0.439	138	0.952	183	0.870	228	0.322	273	0.141	318	0.207
4	0.167	49	0.204	94	0.449	139	0.959	184	0.859	229	0.315	274	0.139	319	0.210
5	0.164	50	0.207	95	0.459	140	0.965	185	0.848	230	0.308	275	0.137	320	0.212
6	0.161	51	0.210	96	0.469	141	0.971	186	0.836	231	0.301	276	0.135	321	0.215
7	0.158	52	0.213	97	0.480	142	0.976	187	0.825	232	0.295	277	0.133	322	0.218
8	0.155	53	0.216	98	0.490	143	0.980	188	0.813	233	0.289	278	0.132	323	0.220
9	0.152	54	0.219	99	0.501	144	0.984	189	0.801	234	0.283	279	0.130	324	0.223
10	0.149	55	0.222	100	0.512	145	0.988	190	0.789	235	0.277	280	0.129	325	0.225
11	0.146	56	0.225	101	0.523	146	0.991	191	0.776	236	0.272	281	0.128	326	0.227
12	0.143	57	0.228	102	0.535	147	0.993	192	0.764	237	0.267	282	0.128	327	0.229
13	0.141	58	0.231	103	0.546	148	0.995	193	0.751	238	0.262	283	0.127	328	0.231
14	0.138	59	0.234	104	0.558	149	0.996	194	0.738	239	0.257	284	0.127	329	0.233
15	0.136	60	0.237	105	0.570	150	0.996	195	0.725	240	0.253	285	0.127	330	0.235
16	0.134	61	0.240	106	0.581	151	0.997	196	0.712	241	0.248	286	0.127	331	0.236
17	0.132	62	0.243	107	0.593	152	0.997	197	0.699	242	0.244	287	0.127	332	0.238
18	0.131	63	0.247	108	0.606	153	0.998	198	0.685	243	0.240	288	0.128	333	0.239
19	0.129	64	0.250	109	0.618	154	0.998	199	0.672	244	0.235	289	0.129	334	0.239
20	0.128	65	0.254	110	0.630	155	1.000	200	0.659	245	0.231	290	0.130	335	0.240
21	0.128	66	0.258	111	0.643	156	0.999	201	0.645	246	0.227	291	0.131	336	0.240
22	0.127	67	0.262	112	0.655	157	0.999	202	0.631	247	0.223	292	0.133	337	0.239
23	0.127	68	0.266	113	0.668	158	0.999	203	0.618	248	0.220	293	0.135	338	0.239
24	0.127	69	0.270	114	0.680	159	0.999	204	0.604	249	0.216	294	0.137	339	0.238
25	0.128	70	0.275	115	0.693	160	0.998	205	0.590	250	0.212	295	0.139	340	0.236
26	0.129	71	0.279	116	0.706	161	0.998	206	0.577	251	0.209	296	0.141	341	0.235
27	0.131	72	0.284	117	0.719	162	0.998	207	0.563	252	0.205	297	0.143	342	0.233
28	0.133	73	0.289	118	0.731	163	0.997	208	0.549	253	0.202	298	0.146	343	0.231
29	0.135	74	0.295	119	0.744	164	0.996	209	0.536	254	0.198	299	0.149	344	0.229
30	0.137	75	0.301	120	0.757	165	0.995	210	0.522	255	0.195	300	0.151	345	0.226
31	0.140	76	0.306	121	0.770	166	0.993	211	0.509	256	0.191	301	0.154	346	0.224
32	0.143	77	0.312	122	0.783	167	0.990	212	0.495	257	0.188	302	0.157	347	0.221
33	0.146	78	0.319	123	0.795	168	0.986	213	0.482	258	0.185	303	0.160	348	0.219
34	0.149	79	0.325	124	0.808	169	0.982	214	0.469	259	0.181	304	0.163	349	0.216
35	0.153	80	0.332	125	0.820	170	0.978	215	0.457	260	0.178	305	0.166	350	0.213
36	0.156	81	0.339	126	0.833	171	0.972	216	0.444	261	0.175	306	0.169	351	0.210
37	0.160	82	0.346	127	0.845	172	0.966	217	0.432	262	0.172	307	0.172	352	0.207
38	0.164	83	0.354	128	0.856	173	0.960	218	0.420	263	0.168	308	0.175	353	0.204
39	0.168	84	0.361	129	0.868	174	0.953	219	0.408	264	0.165	309	0.179	354	0.200
40	0.172	85	0.369	130	0.879	175	0.945	220	0.397	265	0.162	310	0.182	355	0.197
41	0.175	86	0.377	131	0.890	176	0.937	221	0.386	266	0.159	311	0.185	356	0.194
42	0.179	87	0.385	132	0.900	177	0.929	222	0.375	267	0.156	312	0.188	357	0.191
43	0.183	88	0.394	133	0.910	178	0.920	223	0.365	268	0.153	313	0.191	358	0.187
44	0.187	89	0.402	134	0.919	179	0.910	224	0.356	269	0.151	314	0.194	359	0.184

Remarks:



Exhibit No. 3B

Date **08 Oct 2003**
 Call Letters **WUTV-DT** Channel **14**
 Location **Buffalo, NY**
 Customer **WUTV Licensee, LLC**
 Antenna Type **TFU-16DSB-E (C)**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **DSB-E**

Angle	Field	ERP (kW)	ERP (dBk)
0	0.181	32.8	15.15
10	0.149	22.2	13.46
20	0.128	16.4	12.14
30	0.137	18.8	12.73
40	0.172	29.6	14.71
50	0.207	42.8	16.32
60	0.237	56.2	17.49
70	0.275	75.6	18.79
80	0.332	110.2	20.42
90	0.411	168.9	22.28
100	0.512	262.1	24.19
110	0.630	396.9	25.99
120	0.757	573.0	27.58
130	0.879	772.6	28.88
140	0.965	931.2	29.69
150	0.996	992.0	29.97
160	0.998	996.0	29.98
170	0.978	956.5	29.81
180	0.901	811.8	29.09
190	0.789	622.5	27.94
200	0.659	434.3	26.38
210	0.522	272.5	24.35
220	0.397	157.6	21.98
230	0.308	94.9	19.77
240	0.253	64.0	18.06
250	0.212	44.9	16.53
260	0.178	31.7	15.01
270	0.148	21.9	13.41
280	0.129	16.6	12.21
290	0.130	16.9	12.28
300	0.151	22.8	13.58
310	0.182	33.1	15.20
320	0.212	44.9	16.53
330	0.235	55.2	17.42
340	0.236	55.7	17.46
350	0.213	45.4	16.57

Maxima

Angle	Field	ERP (kW)	ERP (dBk)
155	1.000	1000.0	30.00
336	0.240	57.6	17.60

Minima

Angle	Field	ERP (kW)	ERP (dBk)
23	0.127	16.1	12.08
285	0.127	16.1	12.08

Remarks:

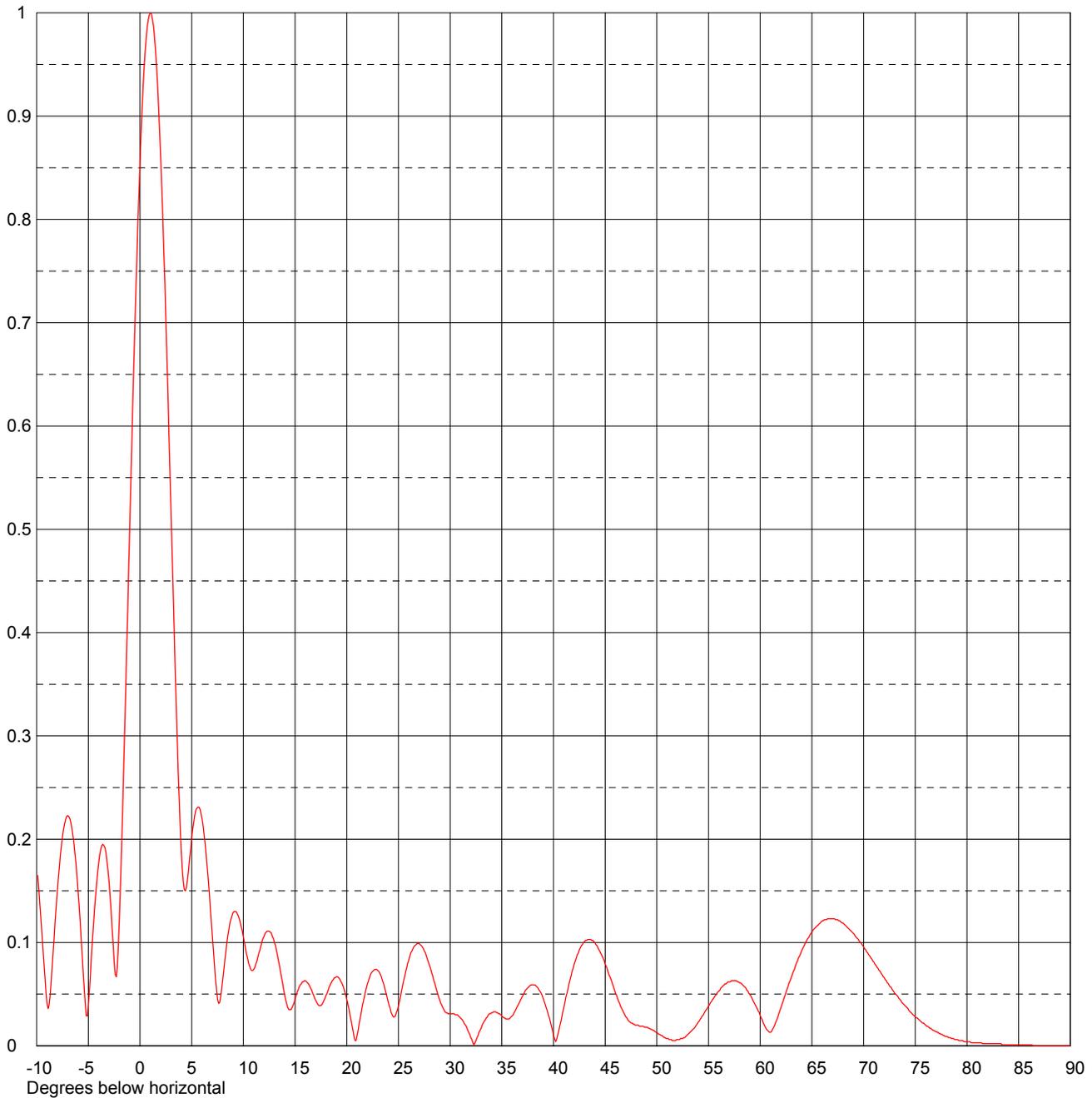


Exhibit No.
4A

Date **08 Oct 2003**
Call Letters **WUTV-DT** Channel **14**
Location **Buffalo, NY**
Customer **WUTV Licensee, LLC**
Antenna Type **TFU-16DSB-E (C)**

ELEVATION PATTERN

RMS Gain at Main Lobe	16.0 (12.04 dB)	Beam Tilt	1.00 Degrees
RMS Gain at Horizontal	11.8 (10.72 dB)	Frequency	473.00 MHz
Calculated / Measured	Calculated	Drawing #	16B160100-90



Remarks:

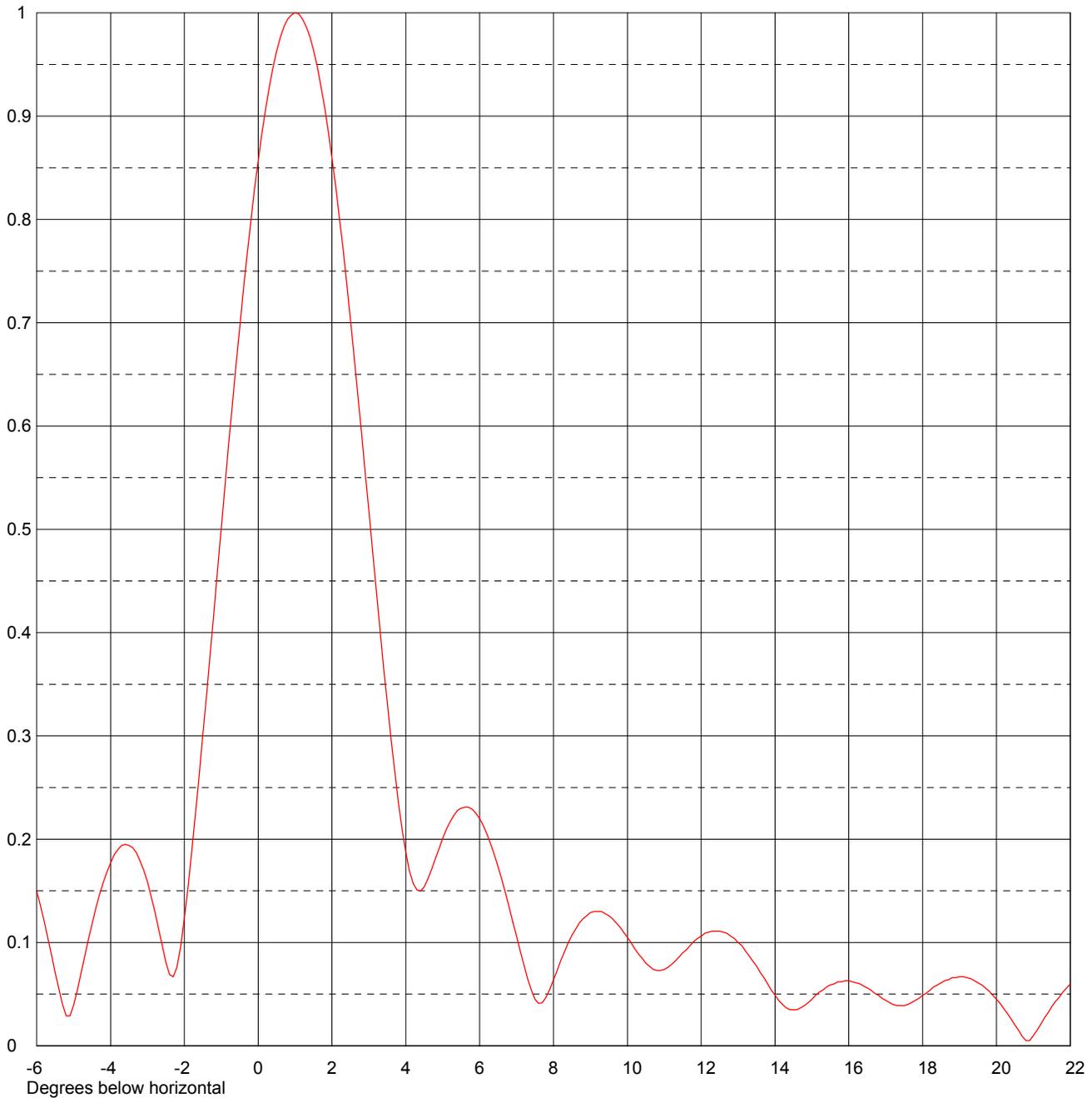


Exhibit No.
4B

Date	08 Oct 2003		
Call Letters	WUTV-DT	Channel	14
Location	Buffalo, NY		
Customer	WUTV Licensee, LLC		
Antenna Type	TFU-16DSB-E (C)		

ELEVATION PATTERN

RMS Gain at Main Lobe	16.0 (12.04 dB)	Beam Tilt	1.00 Degrees
RMS Gain at Horizontal	11.8 (10.72 dB)	Frequency	473.00 MHz
Calculated / Measured	Calculated	Drawing #	16B160100



Remarks:



Exhibit No. 5

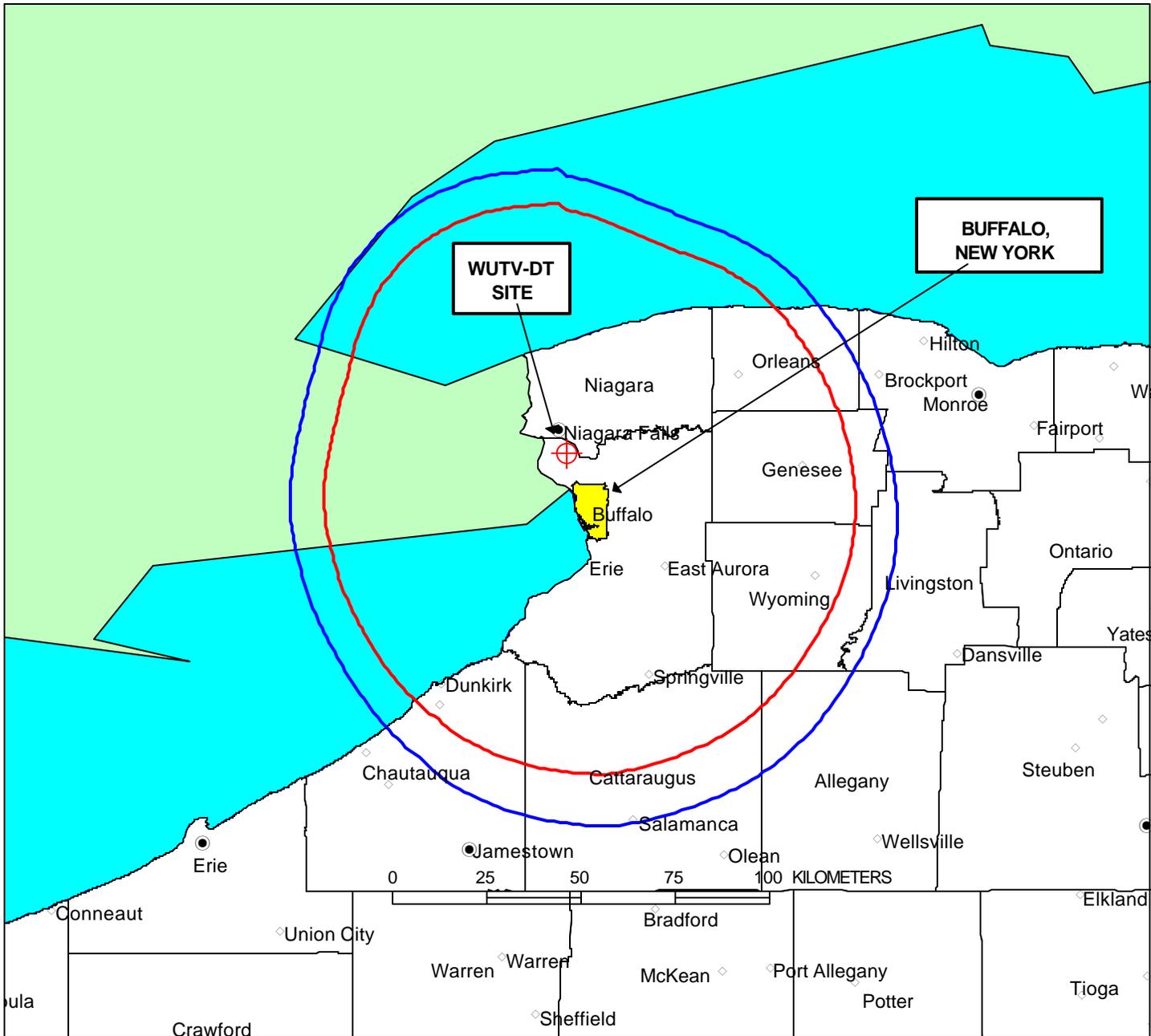
Date	08 Oct 2003	
Call Letters	WUTV-DT	Channel 14
Location	Buffalo, NY	
Customer	WUTV Licensee, LLC	
Antenna Type	TFU-16DSB-E (C)	

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **16B160100**

Angle	Field										
-10.0	0.177	2.4	0.738	10.6	0.077	30.5	0.030	51.0	0.007	71.5	0.073
-9.5	0.110	2.6	0.667	10.8	0.073	31.0	0.027	51.5	0.005	72.0	0.066
-9.0	0.041	2.8	0.593	11.0	0.074	31.5	0.020	52.0	0.006	72.5	0.058
-8.5	0.077	3.0	0.517	11.5	0.090	32.0	0.008	52.5	0.007	73.0	0.051
-8.0	0.150	3.2	0.441	12.0	0.106	32.5	0.005	53.0	0.011	73.5	0.045
-7.5	0.203	3.4	0.366	12.5	0.111	33.0	0.017	53.5	0.016	74.0	0.039
-7.0	0.223	3.6	0.297	13.0	0.100	33.5	0.027	54.0	0.023	74.5	0.033
-6.5	0.204	3.8	0.235	13.5	0.077	34.0	0.032	54.5	0.030	75.0	0.028
-6.0	0.150	4.0	0.187	14.0	0.049	34.5	0.032	55.0	0.038	75.5	0.024
-5.5	0.071	4.2	0.157	14.5	0.035	35.0	0.029	55.5	0.046	76.0	0.020
-5.0	0.039	4.4	0.150	15.0	0.045	35.5	0.026	56.0	0.053	76.5	0.017
-4.5	0.118	4.6	0.162	15.5	0.059	36.0	0.029	56.5	0.059	77.0	0.014
-4.0	0.177	4.8	0.181	16.0	0.063	36.5	0.038	57.0	0.062	77.5	0.011
-3.5	0.194	5.0	0.201	16.5	0.056	37.0	0.048	57.5	0.063	78.0	0.009
-3.0	0.159	5.2	0.217	17.0	0.044	37.5	0.056	58.0	0.061	78.5	0.007
-2.8	0.130	5.4	0.228	17.5	0.039	38.0	0.059	58.5	0.057	79.0	0.006
-2.6	0.097	5.6	0.231	18.0	0.049	38.5	0.056	59.0	0.050	79.5	0.005
-2.4	0.069	5.8	0.229	18.5	0.061	39.0	0.046	59.5	0.040	80.0	0.004
-2.2	0.076	6.0	0.220	19.0	0.067	39.5	0.030	60.0	0.029	80.5	0.003
-2.0	0.123	6.2	0.205	19.5	0.061	40.0	0.010	60.5	0.018	81.0	0.003
-1.8	0.188	6.4	0.185	20.0	0.045	40.5	0.014	61.0	0.013	81.5	0.002
-1.6	0.261	6.6	0.161	20.5	0.020	41.0	0.037	61.5	0.023	82.0	0.002
-1.4	0.339	6.8	0.134	21.0	0.010	41.5	0.060	62.0	0.037	82.5	0.002
-1.2	0.420	7.0	0.106	21.5	0.038	42.0	0.079	62.5	0.052	83.0	0.002
-1.0	0.501	7.2	0.078	22.0	0.060	42.5	0.093	63.0	0.066	83.5	0.001
-0.8	0.582	7.4	0.054	22.5	0.072	43.0	0.101	63.5	0.080	84.0	0.001
-0.6	0.659	7.6	0.041	23.0	0.073	43.5	0.103	64.0	0.092	84.5	0.001
-0.4	0.732	7.8	0.047	23.5	0.062	44.0	0.100	64.5	0.102	85.0	0.001
-0.2	0.798	8.0	0.064	24.0	0.043	44.5	0.091	65.0	0.110	85.5	0.001
0.0	0.857	8.2	0.083	24.5	0.028	45.0	0.079	65.5	0.116	86.0	0.001
0.2	0.907	8.4	0.100	25.0	0.039	45.5	0.066	66.0	0.121	86.5	0.000
0.4	0.947	8.6	0.113	25.5	0.063	46.0	0.051	66.5	0.123	87.0	0.000
0.6	0.976	8.8	0.123	26.0	0.083	46.5	0.038	67.0	0.123	87.5	0.000
0.8	0.994	9.0	0.129	26.5	0.096	47.0	0.028	67.5	0.122	88.0	0.000
1.0	1.000	9.2	0.130	27.0	0.099	47.5	0.022	68.0	0.119	88.5	0.000
1.2	0.994	9.4	0.128	27.5	0.092	48.0	0.020	68.5	0.114	89.0	0.000
1.4	0.977	9.6	0.123	28.0	0.078	48.5	0.019	69.0	0.109	89.5	0.000
1.6	0.948	9.8	0.115	28.5	0.061	49.0	0.018	69.5	0.103	90.0	0.000
1.8	0.909	10.0	0.105	29.0	0.044	49.5	0.016	70.0	0.096		
2.0	0.860	10.2	0.094	29.5	0.033	50.0	0.013	70.5	0.088		
2.2	0.802	10.4	0.085	30.0	0.031	50.5	0.010	71.0	0.081		

Remarks:



PREDICTED COVERAGE CONTOURS

WUTV-DT, BUFFALO, NEW YORK

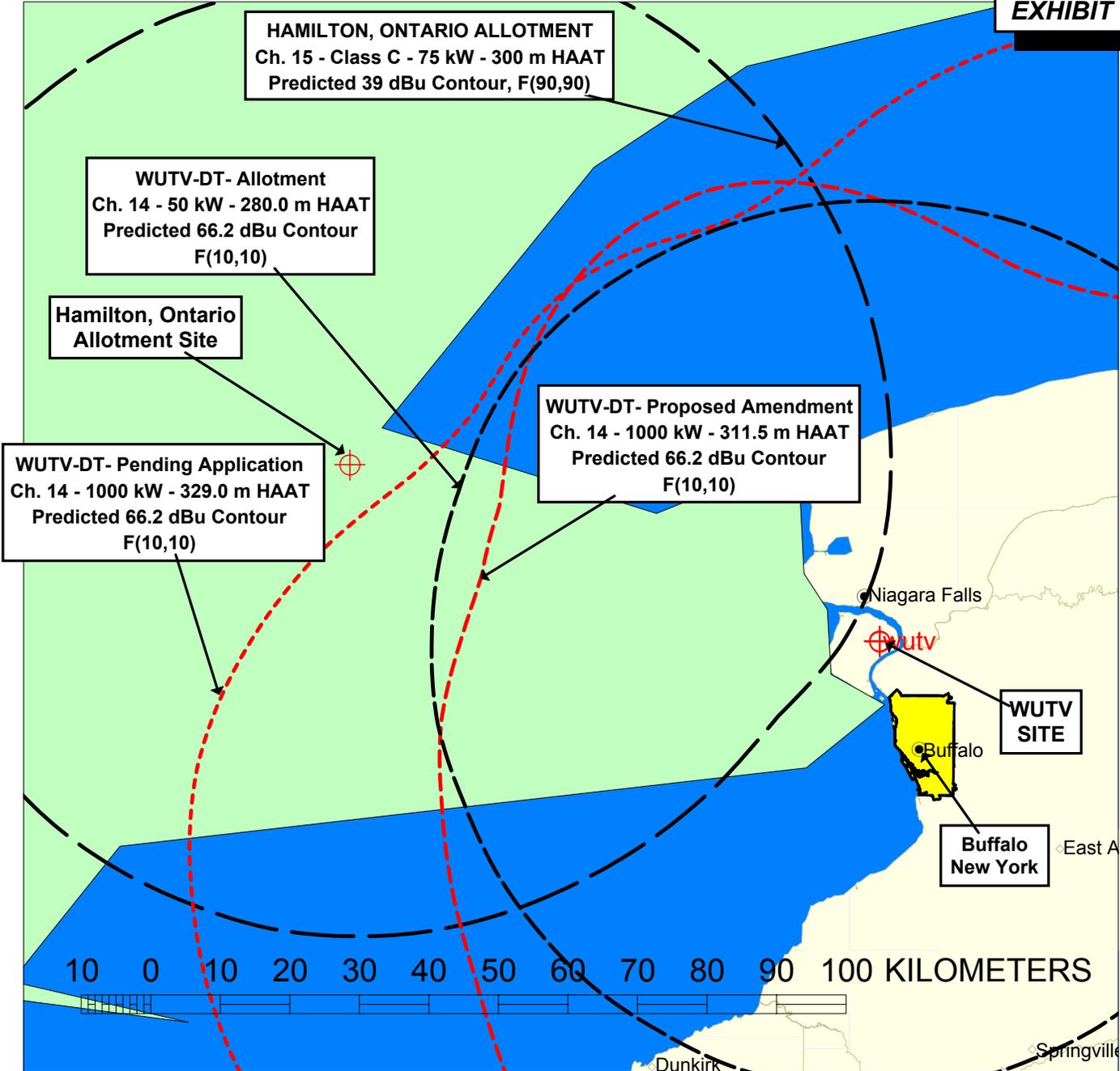
CH. 14, 1000.0 kW - 490.0 m HAAT

March, 2004

 Predicted Principal Community Contour
F(50,90) - 48 dBu

 Predicted Grade "B" Contour
F(50,90) - 41 dBu

CARL T. JONES
CORPORATION



PREDICTED COVERAGE and INTERFERENCE CONTOURS

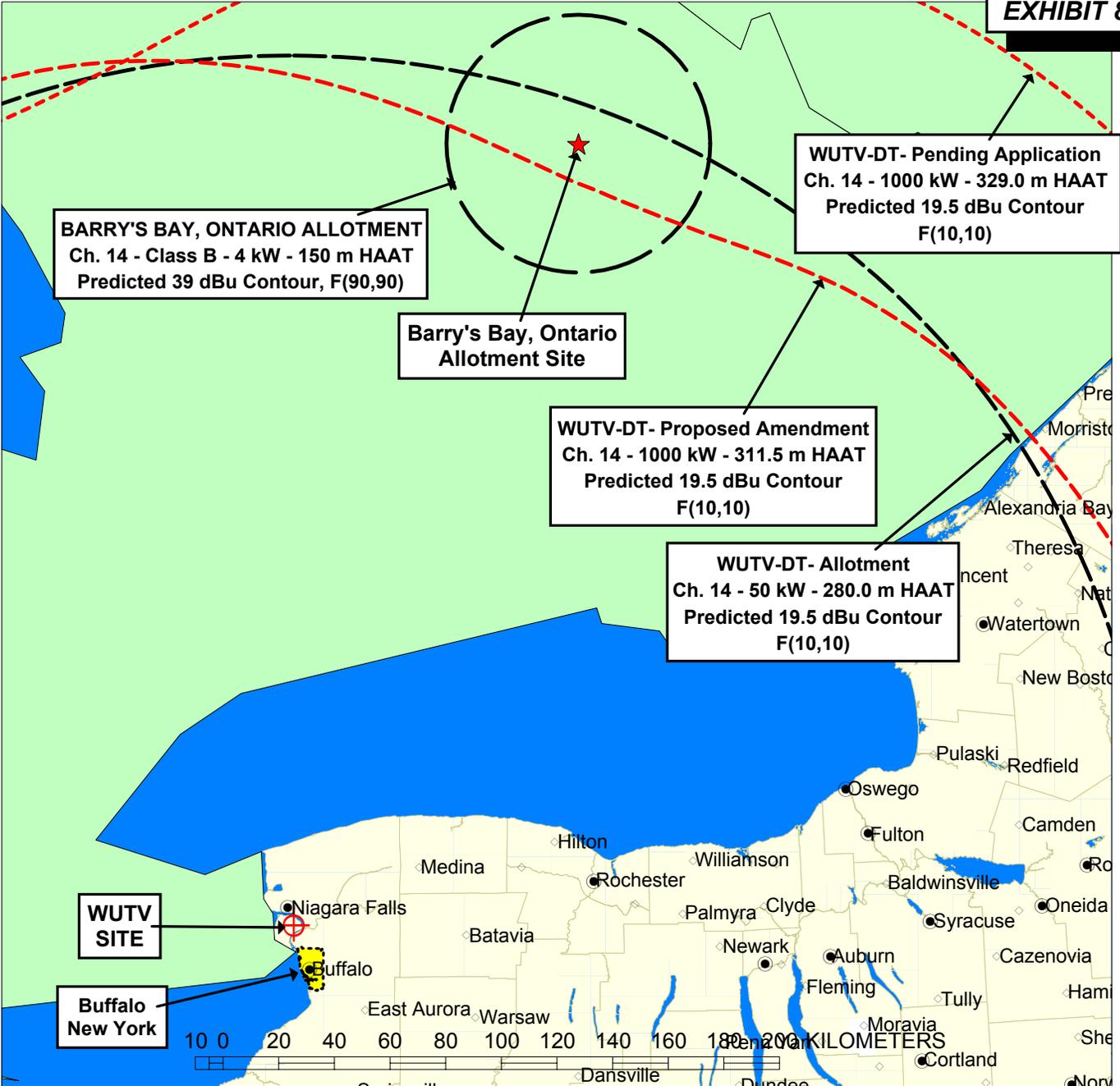
**WUTV-DT - BUFFALO, NEW YORK
DTV CHANNEL 14 - 1000 kW - 311.5 m HAAT**

WUTV-DT - Proposed Amendment
 Ch. 14 - 1000 kW - 311.5 m HAAT
 66.2 dBu Interference Contour
 Predicted F(10,10)

Hamilton, Ontario DTV Allotment
 Ch. 15 - 75 kW - 300 m HAAT
 Protected 39 dBu Contour
 Predicted F(90,90)

WUTV-DT - Allotment
 Ch. 14 - 50 kW - 280 m HAAT
 66.2 dBu Interference Contour
 Predicted F(10,10)

WUTV-DT - Pending Application
 Ch. 14 - 1000 kW - 329.0 m HAAT
 66.2 dBu Interference Contour
 Predicted F(10,10)



PREDICTED COVERAGE and INTERFERENCE CONTOURS

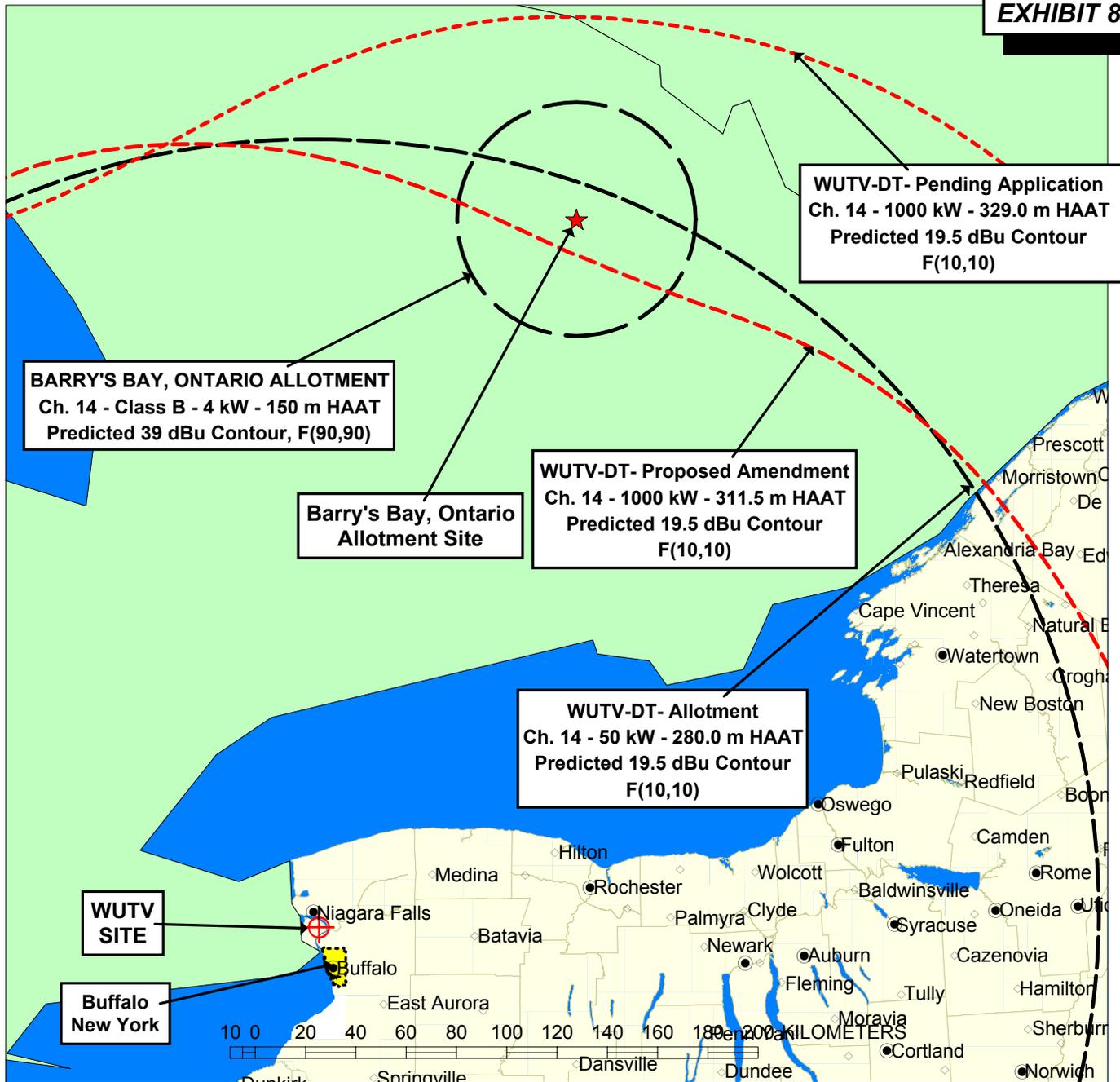
**WUTV-DT - BUFFALO, NEW YORK
DTV CHANNEL 14 - 1000 kW - 311.5 m HAAT**

WUTV-DT - Proposed Amendment
 Ch. 14 - 1000 kW - 311.5 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)

Barry's Bay, Ontario DTV Allotment
 Ch. 14 - 4 kW - 150 m HAAT
 Protected 39 dBu Contour
 Predicted F(90,90)

WUTV-DT - Allotment
 Ch. 14 - 50 kW - 280 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)

WUTV-DT - Pending Application
 Ch. 14 - 1000 kW - 329.0 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)



PREDICTED COVERAGE and INTERFERENCE CONTOURS

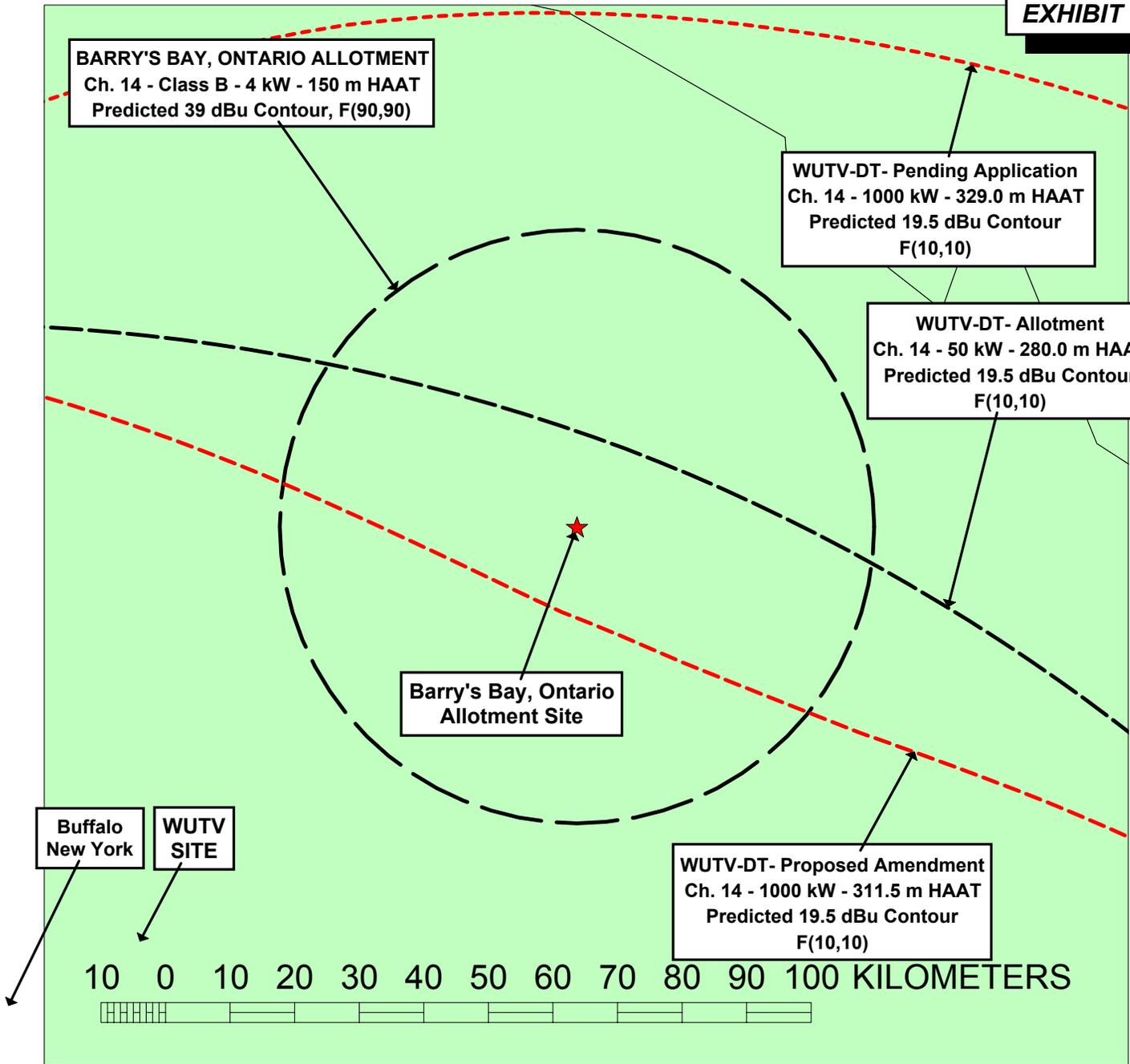
**WUTV-DT - BUFFALO, NEW YORK
DTV CHANNEL 14 - 1000 kW - 311.5 m HAAT**

WUTV-DT - Proposed Amendment
 Ch. 14 - 1000 kW - 311.5 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)

Barry's Bay, Ontario DTV Allotment
 Ch. 14 - 4 kW - 150 m HAAT
 Protected 39 dBu Contour
 Predicted F(90,90)

WUTV-DT - Allotment
 Ch. 14 - 50 kW - 280 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)

WUTV-DT - Pending Application
 Ch. 14 - 1000 kW - 329.0 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)



PREDICTED COVERAGE and INTERFERENCE CONTOURS

**WUTV-DT - BUFFALO, NEW YORK
DTV CHANNEL 14 - 1000 kW - 311.5 m HAAT**

WUTV-DT - Proposed Amendment
 Ch. 14 - 1000 kW - 311.5 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)

Barry's Bay, Ontario DTV Allotment
 Ch. 14 - 4 kW - 150 m HAAT
 Protected 39 dBu Contour
 Predicted F(90,90)

WUTV-DT - Allotment
 Ch. 14 - 50 kW - 280 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)

WUTV-DT - Pending Application
 Ch. 14 - 1000 kW - 329.0 m HAAT
 19.5 dBu Interference Contour
 Predicted F(10,10)

**SUMMARY OF RADIOFREQUENCY
RADIATION STUDY**
WUTV-DT, BUFFALO, NEW YORK
CHANNEL 14, 1000 kW ERP, 311.5 m HAAT
MARCH, 2004

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLARIZATION</u>	<u>ANTENNA HEIGHT ** mAGL</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>PREDICTED POWER DENSITY (mW/cm²)</u>	<u>FCC UNCONTROLLED LIMIT (mW/cm²)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WUTV(TV)	TV	29	563	H	328	3980.000	0.300	0.05562	0.375	14.82%
WUTV-DT	DT	14	473	H	310	1000.000	0.300	0.03128	0.315	9.92%

TOTAL PERCENTAGE OF ANSI VALUE= 24.74%

*** The antenna heights indicated above are 2 meters less than the actual antenna heights so that the predicted power densities consider the 2 meter human height allowance.*