



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
POST-TRANSITION CONSTRUCTION PERMIT
WLWC - NEW BEDFORD, MASSACHUSETTS
CH. 22 - 425 kW - 221.6 meters HAAT**

Prepared for: WLWC LICENSEE, LLC

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 WLWC LICENSEE, LLC, the proposed licensee of WLWC, channel 22, New Bedford, Massachusetts, to prepare this statement, FCC Form 301, Section III-D, and the associated exhibits in support of an application for a post-transition construction permit. It is proposed herein to increase WLWC's antenna center line Height Above Average Terrain (HAAT) from 203 meters to 221.6 meters, and to increase its Effective Radiated Power (ERP) from 350 kW to 425 kW. No other changes are proposed.

PROPOSED POST-TRANSITION FACILITY

WLWC is currently licensed (BLCDDT-20050802ACS) to operate with an ERP of 350 kW with a directional antenna positioned at a center line HAAT of 203 meters. It is herein proposed to place the existing antenna 18.6 meters higher on the tower structure, at a HAAT of 221.6 meters, and to increase WLWC's ERP to 425 kW. The existing antenna

is a horizontally polarized Dielectric model TFU-24DSC-R S180. The antenna's horizontal azimuth pattern is shown exhibit 1 and tabulated in exhibit 2. The manufacturer's vertical plane elevation pattern is shown in exhibits 3 and 4, and is tabulated in exhibit 5.

DTV ALLOCATION CONSIDERATIONS

The applicant herein requests that the Commission use a distance increment of 1.0 km, with a cell size of 1.0 km in its analysis of this application. An interference analysis was performed utilizing the Commission's revised application processing and interference analysis software, **based on a 1.0 km distance increment and a 1.0 km cell size**, to determine compliance with the post-transition limitations contained in §73.616 of the Commission's rules. The results indicate that the instant proposal to increase WLWC's ERP from 350 kW to 425 kW, and increase its HAAT from 203 meters to 221.6 meters, is predicted to cause no unacceptable level (0.5%) of new interference to the populations served by any DTV station, expansion construction permit or any other pending application for construction permit to maximize DTV facilities. See analysis results in Appendix B.

The study also indicates that WLWC is located 363.4 kilometers from the nearest point on the Canadian-United States common border. This distance exceeds the distance of 360 kilometers set forth in the 2008 exchange of letters between the FCC and Industry Canada. Since the distance to WLWC's site exceeds the Canadian coordination distance of 360 kilometers, it is submitted that no coordination with Industry Canada is required. The fact that WLWC's channel 22 allotment does not appear in Table B, United States Plan of Allotments and Primary Assignments, in the 2008 exchange of letters is a further indication that no coordination of this proposal with Canada is required.

Class A Television Allocation Considerations

As required in Section 73.613 of the FCC's Rules, the interference contour overlap analysis, which is provided by the Commission's application processing and interference analysis software, was considered, based on the proposed WLWC facility, to establish compliance with the protection requirements contained therein. The study results indicate that WLWC's antenna site is clear of any spacing violations with, and exhibits no contour overlap with, any Class A LPTV station.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours 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, Figure 9), 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, was determined using the National Geophysical Data Center Thirty Second Point Database (TPG-0050) as prescribed in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data. Exhibit 6 contains the predicted DTV Noise Limited (41 dBu) contour and the predicted principal community (48 dBu) contour. The predicted 48 dBu contour entirely encompasses the principal community, New Bedford, Massachusetts.

BLANKETING AND INTERMODULATION INTERFERENCE

There are no other broadcast facilities co-located with WLWC at its site, and FCC database records indicate that there are no other AM, FM or TV broadcast facilities located within 10 kilometers of WLWC's site. There could be some non-broadcast technical

facilities located within 10 km of the authorized WLWC transmitter/antenna site. In any event, the applicant recognizes its responsibility to remedy complaints of interference which might result from this proposal in accordance with applicable Rules.

RADIO FREQUENCY IMPACT

Effective October 15, 1997 the FCC adopted new 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 establish maximum permissible exposure (MPE) levels for both occupational or "controlled" environments, as well as for "uncontrolled" environments such that apply in cases that could 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" (DA 04-319, February 6, 2004), 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 provides the technical data required to evaluate compliance with the FCC's policies and guidelines.

The FCC's Maximum Permitted Exposure (MPE) level established 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 TV stations, is derived from the formula, $(\text{frequency (MHz)}/1500)$. The MPE level established for occupational, or "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 is derived from the formula, $(\text{frequency (MHz)}/300)$.

The predicted emissions of WLWC operating on channel 22 must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WLWC, which operates on television Channel 22 (518-524 MHz), the MPE is 0.347 milliwatts per centimeter squared (mW/cm^2) in an "uncontrolled" environment and 1.735 mW/cm^2 in a "controlled" environment. The proposed WLWC facility will operate with a maximum ERP of 425 kW from an horizontally polarized directional transmitting antenna with a centerline height of 217.6 meters above ground level (AGL). Considering a very conservative antenna vertical plane relative field factor of 0.15, the WLWC facility is predicted to produce a power density at two meters above ground level of 0.00687 mW/cm^2 , which is 1.98% of the FCC guideline value for an "uncontrolled" environment, and 0.40% of the FCC's guideline value for "controlled" environments (see Appendix A).

There are no other full-service DTV or LPTV stations, and no FM radio stations that are located at the site, or within the relevant proximity of 315 meters. The total percentage of the ANSI value at the proposed site is contributed by WLWC alone. Therefore, the total radiation within the relevant proximity is 1.98% of the limit for "uncontrolled" environments, and 0.40% of the limit for "controlled" environments. There are no AM stations located within 3.2 kilometers of the proposed site.

OCCUPATIONAL SAFETY

The applicant is committed to the protection of station personnel and/or tower contractors working on the tower support structure, or in the vicinity of the proposed WLWC antenna. The applicant is committed to reducing power and/or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure the proper protection of persons who might be required to perform their assigned tasks in this "controlled" environment.

SUMMARY

It is submitted that the instant application for post-transition expansion construction permit for WLWC seeking to increase its ERP from 350 kW to 425 kW, and its HAAT from 203 meters to 221.6 meters, as described herein complies with the Rules, Regulations and Policies of the Federal Communications Commission. This statement, FCC Form 301, Section 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: November 10, 2011



John E. Hidle, P.E.





Exhibit No.
ONE

Date
Call Letters
Location
Customer
Antenna Type

08 Nov 2011
WLWC Channel **22**
New Bedford, MA
WLWC Licensee, LLC
TFU-24DSC-R S180

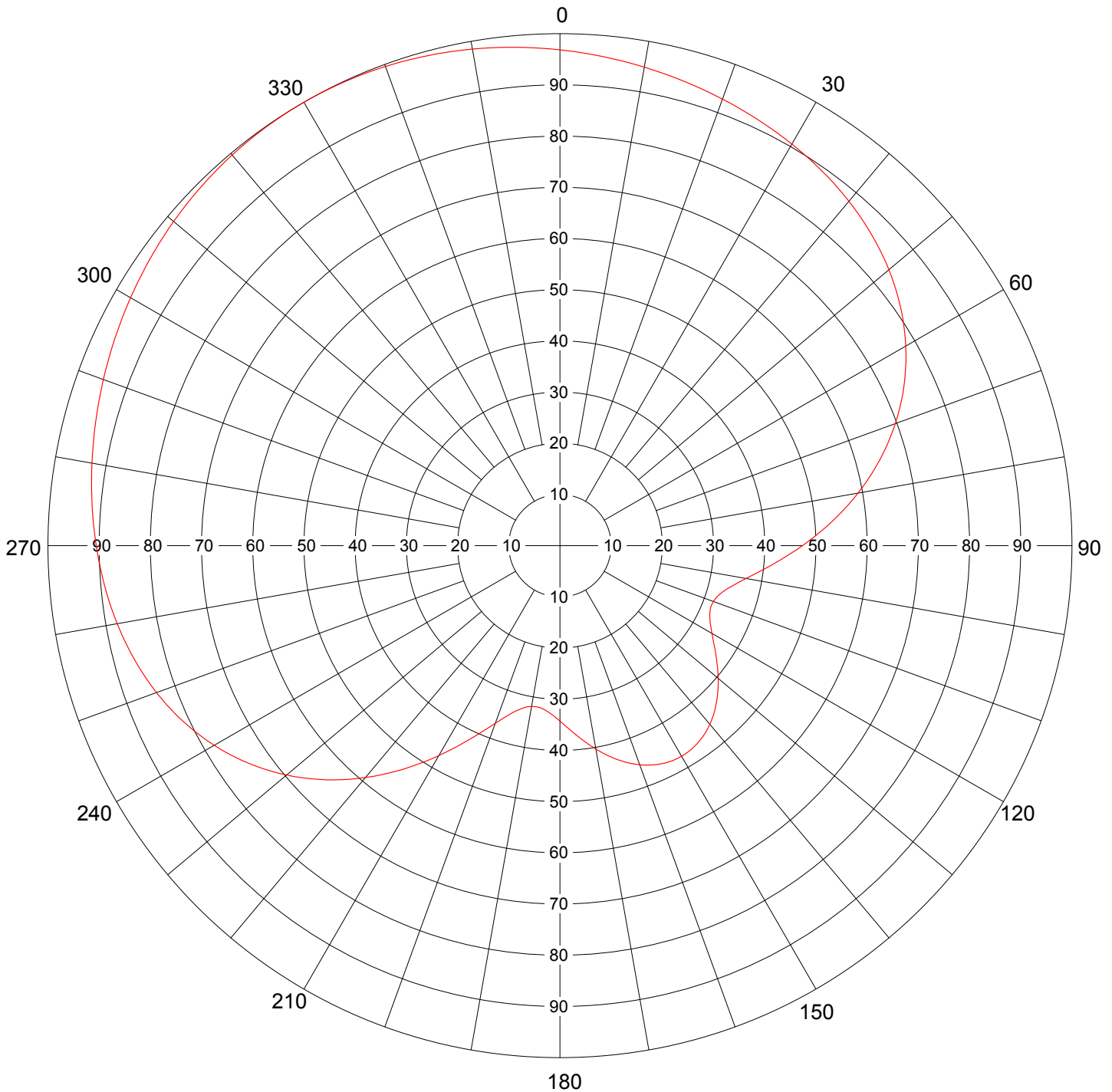
AZIMUTH PATTERN

Gain
Calculated / Measured

1.80 (2.55 dB)
Calculated

Frequency
Drawing #

521 MHz
TFU-S180



Remarks:



Date **08 Nov 2011**
 Call Letters **WLWC** Channel **22**
 Location **New Bedford, MA**
 Customer **WLWC Licensee, LLC**
 Antenna Type **TFU-24DSC-R S180**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **TFU-S180**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.968	45	0.860	90	0.474	135	0.432	180	0.343	225	0.647	270	0.906	315	0.991
1	0.967	46	0.856	91	0.462	136	0.438	181	0.338	226	0.657	271	0.908	316	0.992
2	0.965	47	0.852	92	0.450	137	0.442	182	0.333	227	0.667	272	0.910	317	0.993
3	0.963	48	0.848	93	0.439	138	0.447	183	0.329	228	0.677	273	0.913	318	0.994
4	0.961	49	0.843	94	0.428	139	0.451	184	0.326	229	0.687	274	0.915	319	0.995
5	0.959	50	0.839	95	0.417	140	0.455	185	0.323	230	0.697	275	0.917	320	0.996
6	0.957	51	0.834	96	0.407	141	0.459	186	0.320	231	0.706	276	0.920	321	0.997
7	0.955	52	0.829	97	0.397	142	0.462	187	0.319	232	0.715	277	0.922	322	0.997
8	0.953	53	0.823	98	0.387	143	0.465	188	0.318	233	0.724	278	0.924	323	0.998
9	0.951	54	0.818	99	0.378	144	0.468	189	0.318	234	0.733	279	0.926	324	0.999
10	0.949	55	0.812	100	0.369	145	0.470	190	0.319	235	0.741	280	0.928	325	0.999
11	0.947	56	0.806	101	0.361	146	0.472	191	0.320	236	0.750	281	0.930	326	0.999
12	0.945	57	0.800	102	0.353	147	0.473	192	0.323	237	0.758	282	0.932	327	1.000
13	0.943	58	0.793	103	0.346	148	0.474	193	0.326	238	0.765	283	0.934	328	1.000
14	0.941	59	0.787	104	0.340	149	0.475	194	0.330	239	0.773	284	0.937	329	1.000
15	0.939	60	0.780	105	0.335	150	0.475	195	0.335	240	0.780	285	0.939	330	1.000
16	0.937	61	0.773	106	0.330	151	0.475	196	0.340	241	0.787	286	0.941	331	1.000
17	0.934	62	0.765	107	0.326	152	0.474	197	0.346	242	0.793	287	0.943	332	1.000
18	0.932	63	0.758	108	0.323	153	0.473	198	0.353	243	0.800	288	0.945	333	1.000
19	0.930	64	0.750	109	0.320	154	0.472	199	0.361	244	0.806	289	0.947	334	0.999
20	0.928	65	0.741	110	0.319	155	0.470	200	0.369	245	0.812	290	0.949	335	0.999
21	0.926	66	0.733	111	0.318	156	0.468	201	0.378	246	0.818	291	0.951	336	0.999
22	0.924	67	0.724	112	0.318	157	0.465	202	0.387	247	0.823	292	0.953	337	0.998
23	0.922	68	0.715	113	0.319	158	0.462	203	0.397	248	0.829	293	0.955	338	0.997
24	0.920	69	0.706	114	0.320	159	0.459	204	0.407	249	0.834	294	0.957	339	0.997
25	0.917	70	0.697	115	0.323	160	0.455	205	0.417	250	0.839	295	0.959	340	0.996
26	0.915	71	0.687	116	0.326	161	0.451	206	0.428	251	0.843	296	0.961	341	0.995
27	0.913	72	0.677	117	0.329	162	0.447	207	0.439	252	0.848	297	0.963	342	0.994
28	0.910	73	0.667	118	0.333	163	0.442	208	0.450	253	0.852	298	0.965	343	0.993
29	0.908	74	0.657	119	0.338	164	0.438	209	0.462	254	0.856	299	0.967	344	0.992
30	0.906	75	0.647	120	0.343	165	0.432	210	0.474	255	0.860	300	0.968	345	0.991
31	0.903	76	0.636	121	0.348	166	0.427	211	0.485	256	0.864	301	0.970	346	0.990
32	0.901	77	0.625	122	0.354	167	0.421	212	0.497	257	0.868	302	0.972	347	0.989
33	0.898	78	0.614	123	0.359	168	0.416	213	0.509	258	0.871	303	0.974	348	0.988
34	0.896	79	0.603	124	0.366	169	0.410	214	0.521	259	0.875	304	0.976	349	0.986
35	0.893	80	0.591	125	0.372	170	0.403	215	0.533	260	0.878	305	0.977	350	0.985
36	0.890	81	0.580	126	0.378	171	0.397	216	0.545	261	0.881	306	0.979	351	0.983
37	0.887	82	0.568	127	0.384	172	0.391	217	0.556	262	0.884	307	0.980	352	0.982
38	0.884	83	0.556	128	0.391	173	0.384	218	0.568	263	0.887	308	0.982	353	0.980
39	0.881	84	0.545	129	0.397	174	0.378	219	0.580	264	0.890	309	0.983	354	0.979
40	0.878	85	0.533	130	0.403	175	0.372	220	0.591	265	0.893	310	0.985	355	0.977
41	0.875	86	0.521	131	0.410	176	0.366	221	0.603	266	0.896	311	0.986	356	0.976
42	0.871	87	0.509	132	0.416	177	0.359	222	0.614	267	0.898	312	0.988	357	0.974
43	0.868	88	0.497	133	0.421	178	0.354	223	0.625	268	0.901	313	0.989	358	0.972
44	0.864	89	0.485	134	0.427	179	0.348	224	0.636	269	0.903	314	0.990	359	0.970

Remarks:



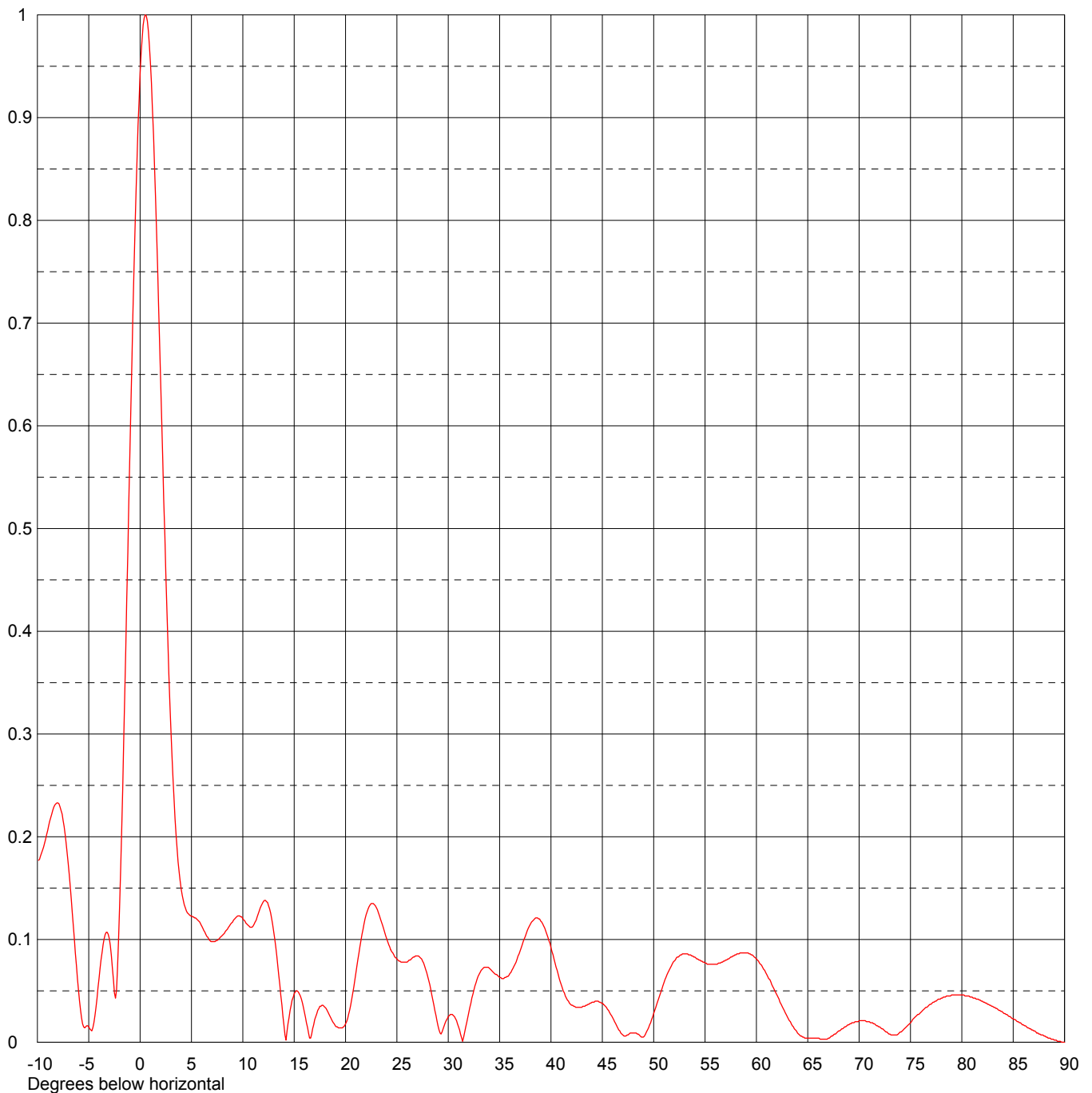
Exhibit No.
THREE

Date
Call Letters
Location
Customer
Antenna Type

08 Nov 2011
WLWC Channel **22**
New Bedford, MA
WLWC Licensee, LLC
TFU-24DSC-R S180

ELEVATION PATTERN

RMS Gain at Main Lobe	19.5 (12.90 dB)	Beam Tilt	0.50 Degrees
RMS Gain at Horizontal	17.3 (12.38 dB)	Frequency	521.00 MHz
Calculated / Measured	Calculated	Drawing #	24Q195050-90



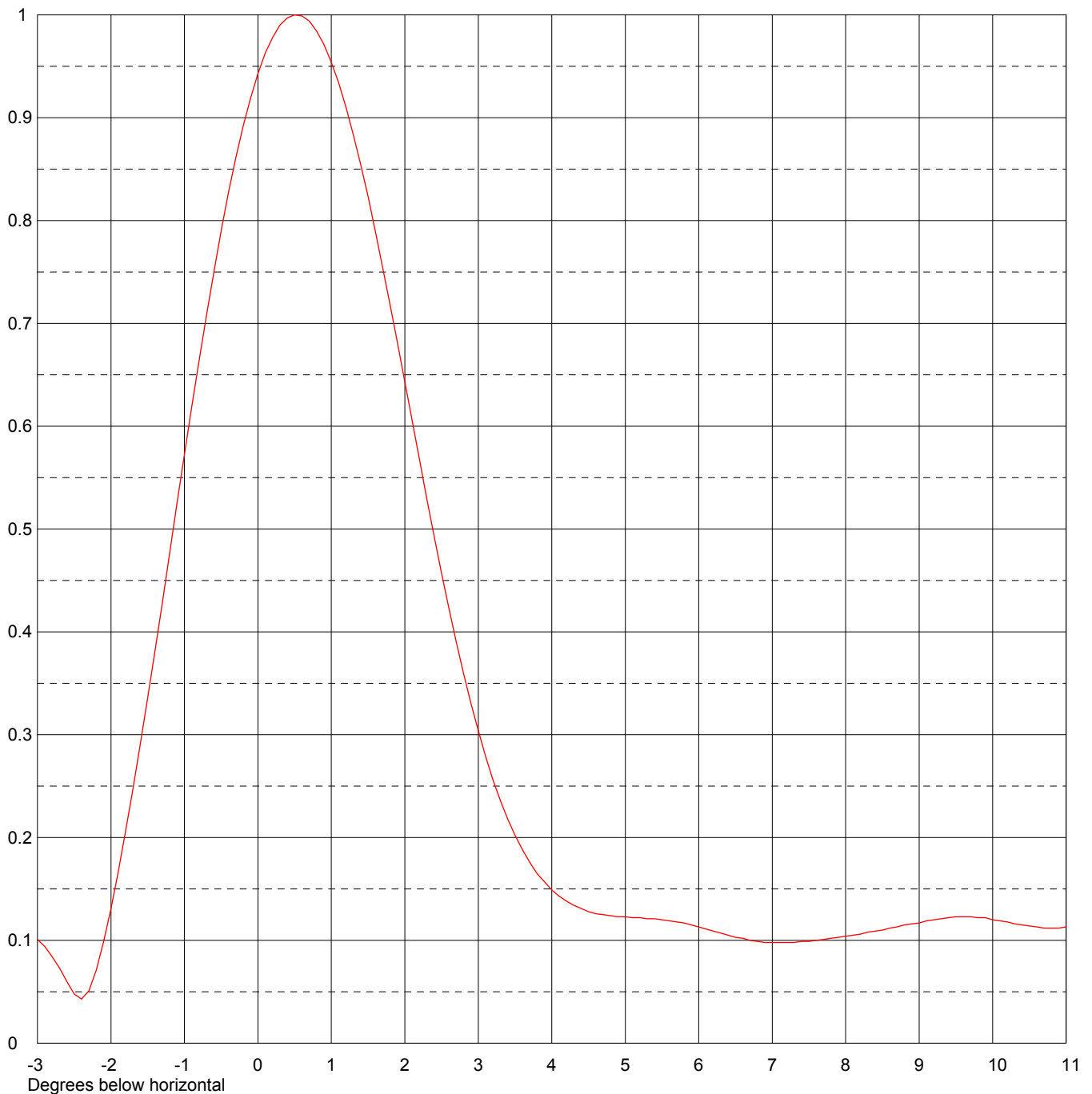
Remarks:



Date	08 Nov 2011	Channel	22
Call Letters	WLWC		
Location	New Bedford, MA		
Customer	WLWC Licensee, LLC		
Antenna Type	TFU-24DSC-R S180		

ELEVATION PATTERN

RMS Gain at Main Lobe	19.5 (12.90 dB)	Beam Tilt	0.50 Degrees
RMS Gain at Horizontal	17.3 (12.38 dB)	Frequency	521.00 MHz
Calculated / Measured	Calculated	Drawing #	24Q195050



Remarks:



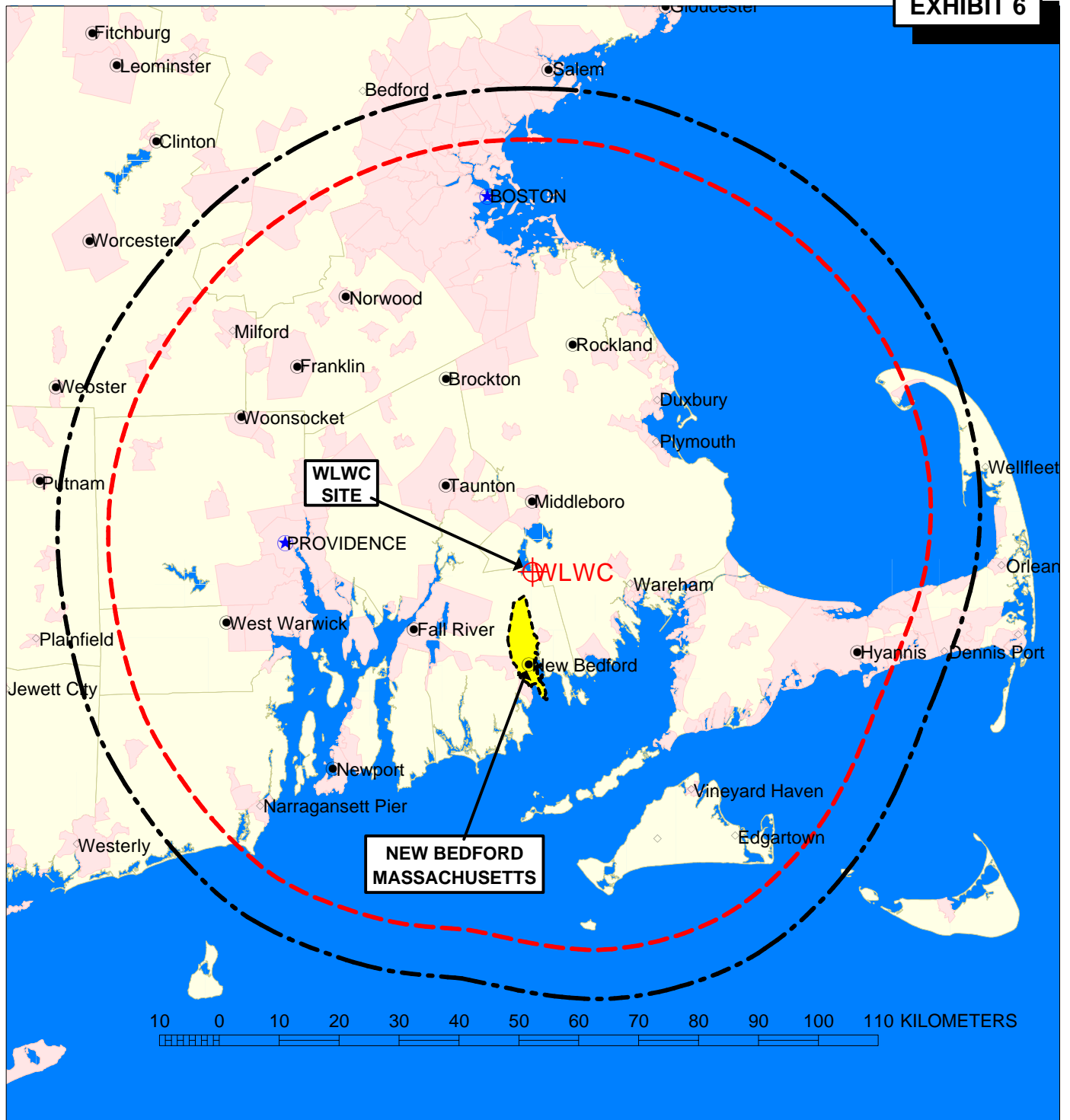
Date **08 Nov 2011**
 Call Letters **WLWC** Channel **22**
 Location **New Bedford, MA**
 Customer **WLWC Licensee, LLC**
 Antenna Type **TFU-24DSC-R S180**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **24Q195050**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.175	2.4	0.493	10.6	0.113	30.5	0.026	51.0	0.058	71.5	0.018
-9.5	0.187	2.6	0.423	10.8	0.112	31.0	0.015	51.5	0.070	72.0	0.015
-9.0	0.206	2.8	0.359	11.0	0.113	31.5	0.005	52.0	0.079	72.5	0.011
-8.5	0.226	3.0	0.304	11.5	0.125	32.0	0.029	52.5	0.084	73.0	0.008
-8.0	0.233	3.2	0.256	12.0	0.137	32.5	0.051	53.0	0.086	73.5	0.007
-7.5	0.216	3.4	0.218	12.5	0.133	33.0	0.066	53.5	0.085	74.0	0.010
-7.0	0.174	3.6	0.188	13.0	0.108	33.5	0.073	54.0	0.083	74.5	0.014
-6.5	0.113	3.8	0.165	13.5	0.065	34.0	0.072	54.5	0.080	75.0	0.019
-6.0	0.051	4.0	0.149	14.0	0.017	34.5	0.067	55.0	0.077	75.5	0.025
-5.5	0.015	4.2	0.138	14.5	0.024	35.0	0.063	55.5	0.076	76.0	0.029
-5.0	0.015	4.4	0.131	15.0	0.047	35.5	0.063	56.0	0.076	76.5	0.034
-4.5	0.019	4.6	0.126	15.5	0.047	36.0	0.067	56.5	0.077	77.0	0.037
-4.0	0.062	4.8	0.124	16.0	0.029	36.5	0.076	57.0	0.080	77.5	0.040
-3.5	0.101	5.0	0.123	16.5	0.004	37.0	0.089	57.5	0.083	78.0	0.043
-3.0	0.101	5.2	0.122	17.0	0.022	37.5	0.103	58.0	0.085	78.5	0.045
-2.8	0.084	5.4	0.121	17.5	0.035	38.0	0.115	58.5	0.087	79.0	0.046
-2.6	0.060	5.6	0.119	18.0	0.034	38.5	0.121	59.0	0.087	79.5	0.046
-2.4	0.043	5.8	0.117	18.5	0.025	39.0	0.118	59.5	0.085	80.0	0.046
-2.2	0.071	6.0	0.113	19.0	0.016	39.5	0.108	60.0	0.081	80.5	0.045
-2.0	0.131	6.2	0.109	19.5	0.014	40.0	0.092	60.5	0.075	81.0	0.044
-1.8	0.206	6.4	0.105	20.0	0.018	40.5	0.073	61.0	0.066	81.5	0.042
-1.6	0.291	6.6	0.102	20.5	0.036	41.0	0.056	61.5	0.056	82.0	0.040
-1.4	0.382	6.8	0.099	21.0	0.067	41.5	0.043	62.0	0.046	82.5	0.037
-1.2	0.477	7.0	0.098	21.5	0.099	42.0	0.036	62.5	0.035	83.0	0.035
-1.0	0.572	7.2	0.098	22.0	0.124	42.5	0.034	63.0	0.025	83.5	0.032
-0.8	0.664	7.4	0.099	22.5	0.135	43.0	0.034	63.5	0.016	84.0	0.029
-0.6	0.750	7.6	0.100	23.0	0.131	43.5	0.036	64.0	0.009	84.5	0.026
-0.4	0.827	7.8	0.102	23.5	0.117	44.0	0.039	64.5	0.005	85.0	0.023
-0.2	0.892	8.0	0.104	24.0	0.101	44.5	0.040	65.0	0.004	85.5	0.020
0.0	0.943	8.2	0.106	24.5	0.088	45.0	0.038	65.5	0.004	86.0	0.017
0.2	0.978	8.4	0.109	25.0	0.081	45.5	0.032	66.0	0.004	86.5	0.014
0.4	0.997	8.6	0.112	25.5	0.078	46.0	0.024	66.5	0.003	87.0	0.011
0.6	0.999	8.8	0.115	26.0	0.078	46.5	0.014	67.0	0.004	87.5	0.008
0.8	0.984	9.0	0.117	26.5	0.082	47.0	0.007	67.5	0.007	88.0	0.006
1.0	0.954	9.2	0.120	27.0	0.084	47.5	0.007	68.0	0.011	88.5	0.004
1.2	0.910	9.4	0.122	27.5	0.079	48.0	0.009	68.5	0.014	89.0	0.002
1.4	0.854	9.6	0.123	28.0	0.064	48.5	0.008	69.0	0.017	89.5	0.001
1.6	0.789	9.8	0.122	28.5	0.041	49.0	0.005	69.5	0.019	90.0	0.000
1.8	0.718	10.0	0.120	29.0	0.016	49.5	0.014	70.0	0.021		
2.0	0.643	10.2	0.118	29.5	0.013	50.0	0.028	70.5	0.021		
2.2	0.567	10.4	0.115	30.0	0.025	50.5	0.043	71.0	0.020		

Remarks:



PREDICTED COVERAGE CONTOURS

WLWC, NEW BEDFORD, MASSACHUSETTS

DTV - CH. 22 - 425 kW - 221.6 m HAAT

Predicted Principal Community Contour

F(50,90) - 48 dBu

Area = 14,270 sq km

Population = 4,091,490

NOVEMBER 2011



Predicted Noise Limited Contour

F(50,90) - 41 dBu

Area = 18,397 sq km

Population = 4,756,585

**SUMMARY OF RADIOFREQUENCY
RADIATION STUDY**

WLWC, NEW BEDFORD, MASSACHUSETTS
CHANNEL 22, 425 kW ERP, 221.6 m HAAT
NOVEMBER, 2011

<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>
WLWC	DT	22	521	H	215.6	425.000	0.150	0.00687	0.347	1.98%

TOTAL PERCENTAGE OF ANSI VALUE= 1.98%

*** 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.*

This evaluation includes facilities collocated at the site, and facilities located within 315 meters.





WLWC - APPENDIX B LONGLEY-RICE INTERFERENCE ANALYSIS

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: 10-04-2011 Time: 16:01:30

Record Selected for Analysis

WLWC BPCDT -NEWWLWCDT22 NEW BEDFORD MA US
Channel 22 ERP 426 kW HAAT 221. m RCAMSL 248.1 m
Latitude 041-46-39 Longitude 0070-55-41
Status APP Zone 1 Border C Site number: 01
Dir Antenna Make CDB Model 00000000087697 Beam tilt N Ref Azimuth 0.0
Last update 00000000 Cutoff date 20081112 Docket
Comments
Applicant PROVIDENCE TV LICENSEE CORP.

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	399.172	226.5	79.8	
45.0	313.971	221.2	78.1	
90.0	95.712	229.4	72.6	
135.0	78.401	228.5	71.5	
180.0	50.118	228.5	69.2	
225.0	176.678	207.0	74.0	
270.0	349.676	213.9	78.2	
315.0	417.944	221.4	79.7	

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WLWC 22 NEW BEDFORD MA BPCDT NEWWLWCDT22 Site # 01
and station

SHORT TO: WSBE-TV 21 PROVIDENCE RI BLEDT 20050307ACR
041-51-54 0071-17-15
Req. separation => 24.0 <= 110.0 Actual separation 31.4 Short 78.6(7.4) km

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SHORT TO: WGBY-TV 22 SPRINGFIELD MA BLEDT 20090612ACH
042-14-29 0072-38-56
Req. separation 196.3 Actual separation 151.6 Short 44.7 km

SHORT TO: WLWC 22 NEW BEDFORD MA DTVPLN DTVP0789
041-46-39 0070-55-41
Req. separation 196.3 Actual separation 0.0 Short 196.3 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 = 363.4km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN	
22	WLWC	NEW BEDFORD MA	BPCDT	NEWWLWCDT22

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WSBE-TV	PROVIDENCE RI	31.3	LIC	BLEDT	20050307ACR
22	WGBY-TV	SPRINGFIELD MA	151.2	LIC	BLEDT	20090612ACH
22	WNJS	CAMDEN NJ	400.7	CP	BPEDT	20080620ALH
22	WNJS	CAMDEN NJ	400.7	LIC	BLEDT	20070611AAY
22	WCAX-TV	BURLINGTON VT	341.6	LIC	BLCDT	20090220ABA
22	WCAX-TV	BURLINGTON VT	341.6	APP	BMPCDT	20080616ADK
23	WFTY-DT	SMITHTOWN NY	195.7	CP	BPCDT	20080613ACJ
23	WFTY-DT	SMITHTOWN NY	195.7	LIC	BLCDT	20030113ABS

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WSBE-TV	PROVIDENCE RI	BLEDT	-20050307ACR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WCCT-TV	WATERBURY CT	129.3	APP	BMPCDT	-20080620AHG
20	WCCT-TV	WATERBURY CT	129.3	LIC	BLCDT	-20090911ABK
20	WCVB-TV	BOSTON MA	49.7	LIC	BLCDT	-20020102AAH
21	WLIW	GARDEN CITY NY	216.7	APP	BMPEDT	-20080620AID

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21	WLIW	GARDEN CITY NY	216.7	LIC	BLEDT	-20090612AEP
21	WWTI	WATERTOWN NY	424.8	LIC	BLCDDT	-20040128AFQ
22	WLWC	NEW BEDFORD MA	31.3	APP	BPCDDT	-NEWWLWCDT22
22	WGBY-TV	SPRINGFIELD MA	119.9	LIC	BLEDT	-20090612ACH
22	WLWC	NEW BEDFORD MA	31.3	PLN	DTVPLN	-DTVP0789

Total scenarios = 4

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for: 21A RI PROVIDENCE BLEDT 20050307ACR LIC
HAAT 268.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4489574	13945.8
not affected by terrain losses	4442632	13757.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1526460	2531.2
lost to ATV IX only	1526460	2531.2
lost to all IX	1526460	2531.2

Potential Interfering Stations Included in above Scenario 1

20A CT WATERBURY	BLCDDT	20090911ABK	LIC
20A MA BOSTON	BLCDDT	20020102AAH	LIC
21A NY GARDEN CITY	BLEDT	20090612AEP	LIC
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 21A RI PROVIDENCE BLEDT 20050307ACR LIC
HAAT 268.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4489574	13945.8
not affected by terrain losses	4442632	13757.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1532806	2671.9
lost to ATV IX only	1532806	2671.9
lost to all IX	1532806	2671.9

Potential Interfering Stations Included in above Scenario 1

20A CT WATERBURY	BLCDDT	20090911ABK	LIC
20A MA BOSTON	BLCDDT	20020102AAH	LIC
21A NY GARDEN CITY	BLEDT	20090612AEP	LIC
22A MA NEW BEDFORD	BPCDDT	NEWWLWCDT22	APP

Percent new IX = 0.2176%

Result key: 2
Scenario 2 Affected station 1
Before Analysis

Results for: 21A RI PROVIDENCE BLEDT 20050307ACR LIC
HAAT 268.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4489574	13945.8
not affected by terrain losses	4442632	13757.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1543035	2636.7
lost to ATV IX only	1543035	2636.7

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lost to all IX 1543035 2636.7

Potential Interfering Stations Included in above Scenario 2

20A CT WATERBURY	BMPCDT	20080620AHG	APP
20A MA BOSTON	BLCDDT	20020102AAH	LIC
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 21A RI PROVIDENCE BLEDT 20050307ACR LIC

HAAT 268.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4489574	13945.8
not affected by terrain losses	4442632	13757.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1549381	2777.4
lost to ATV IX only	1549381	2777.4
lost to all IX	1549381	2777.4

Potential Interfering Stations Included in above Scenario 2

20A CT WATERBURY	BMPCDT	20080620AHG	APP
20A MA BOSTON	BLCDDT	20020102AAH	LIC
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
22A MA NEW BEDFORD	BPCDDT	NEWWLWCDT22	APP

Percent new IX = 0.2189%

Result key: 3
Scenario 3 Affected station 1
Before Analysis

Results for: 21A RI PROVIDENCE BLEDT 20050307ACR LIC

HAAT 268.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4489574	13945.8
not affected by terrain losses	4442632	13757.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1526553	2533.1
lost to ATV IX only	1526553	2533.1
lost to all IX	1526553	2533.1

Potential Interfering Stations Included in above Scenario 3

20A CT WATERBURY	BMPCDT	20080620AHG	APP
20A MA BOSTON	BLCDDT	20020102AAH	LIC
21A NY GARDEN CITY	BLEDT	20090612AEP	LIC
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 21A RI PROVIDENCE BLEDT 20050307ACR LIC

HAAT 268.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4489574	13945.8
not affected by terrain losses	4442632	13757.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1532899	2673.8
lost to ATV IX only	1532899	2673.8
lost to all IX	1532899	2673.8

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Potential Interfering Stations Included in above Scenario 3

20A CT WATERBURY	BMPCDT	20080620AHG	APP
20A MA BOSTON	BLCDT	20020102AAH	LIC
21A NY GARDEN CITY	BLEDT	20090612AEP	LIC
22A MA NEW BEDFORD	BPCDT	NEWWLWCDT22	APP

Percent new IX = 0.2176%

Result key: 4
Scenario 4 Affected station 1
Before Analysis

Results for: 21A RI PROVIDENCE BLEDT 20050307ACR LIC
HAAT 268.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4489574	13945.8
not affected by terrain losses	4442632	13757.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1543031	2635.7
lost to ATV IX only	1543031	2635.7
lost to all IX	1543031	2635.7

Potential Interfering Stations Included in above Scenario 4

20A CT WATERBURY	BLCDT	20090911ABK	LIC
20A MA BOSTON	BLCDT	20020102AAH	LIC
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 21A RI PROVIDENCE BLEDT 20050307ACR LIC
HAAT 268.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4489574	13945.8
not affected by terrain losses	4442632	13757.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1549377	2776.5
lost to ATV IX only	1549377	2776.5
lost to all IX	1549377	2776.5

Potential Interfering Stations Included in above Scenario 4

20A CT WATERBURY	BLCDT	20090911ABK	LIC
20A MA BOSTON	BLCDT	20020102AAH	LIC
21A NY GARDEN CITY	BMPEDT	20080620AID	APP
22A MA NEW BEDFORD	BPCDT	NEWWLWCDT22	APP

Percent new IX = 0.2189%

Worst case new IX 0.2189% Scenario 2

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WGBY-TV	SPRINGFIELD MA	BLEDT -20090612ACH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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21	WLIW	GARDEN CITY NY	174.8	APP	BMPEDT	-20080620AID
21	WLIW	GARDEN CITY NY	174.8	LIC	BLEDT	-20090612AEP
21	WSBE-TV	PROVIDENCE RI	119.9	LIC	BLEDT	-20050307ACR
22	WLWC	NEW BEDFORD MA	151.2	APP	BPCDT	-NEWWLWCDT22
22	WNJS	CAMDEN NJ	334.6	CP	BPEDT	-20080620ALH
22	WNJS	CAMDEN NJ	334.6	LIC	BLEDT	-20070611AAY
22	WCAX-TV	BURLINGTON VT	254.2	LIC	BLCDT	-20090220ABA
22	WCAX-TV	BURLINGTON VT	254.2	APP	BMPCDT	-20080616ADK
23	WFTY-DT	SMITHTOWN NY	152.4	CP	BPCDT	-20080613ACJ
23	WFTY-DT	SMITHTOWN NY	152.4	LIC	BLCDT	-20030113ABS
22	WLWC	NEW BEDFORD MA	151.2	PLN	DTVPLN	-DTVP0789

Total scenarios = 4

Result key: 5
Scenario 1 Affected station 2
Before Analysis

Results for: 22A MA SPRINGFIELD BLEDT 20090612ACH LIC
HAAT 306.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2651341	18640.3
not affected by terrain losses	2313625	16404.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	226595	2081.3
lost to ATV IX only	226595	2081.3
lost to all IX	226595	2081.3

Potential Interfering Stations Included in above Scenario 1

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A NJ CAMDEN	BPEDT	20080620ALH	CP
22A VT BURLINGTON	BLCDT	20090220ABA	LIC
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 22A MA SPRINGFIELD BLEDT 20090612ACH LIC
HAAT 306.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2651341	18640.3
not affected by terrain losses	2313625	16404.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	236995	2231.3
lost to ATV IX only	236995	2231.3
lost to all IX	236995	2231.3

Potential Interfering Stations Included in above Scenario 1

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A NJ CAMDEN	BPEDT	20080620ALH	CP
22A VT BURLINGTON	BLCDT	20090220ABA	LIC
22A MA NEW BEDFORD	BPCDT	NEWWLWCDT22	APP

Percent new IX = 0.4983%

Result key: 6
Scenario 2 Affected station 2
Before Analysis

Results for: 22A MA SPRINGFIELD BLEDT 20090612ACH LIC
HAAT 306.0 m, ATV ERP 50.0 kW

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	POPULATION	AREA (sq km)
within Noise Limited Contour	2651341	18640.3
not affected by terrain losses	2313625	16404.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	225957	2070.4
lost to ATV IX only	225957	2070.4
lost to all IX	225957	2070.4

Potential Interfering Stations Included in above Scenario 2

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A NJ CAMDEN	BLEDT	20070611AAY	LIC
22A VT BURLINGTON	BLCDDT	20090220ABA	LIC
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 22A MA SPRINGFIELD BLEDT 20090612ACH LIC
HAAT 306.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2651341	18640.3
not affected by terrain losses	2313625	16404.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	236357	2220.4
lost to ATV IX only	236357	2220.4
lost to all IX	236357	2220.4

Potential Interfering Stations Included in above Scenario 2

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A NJ CAMDEN	BLEDT	20070611AAY	LIC
22A VT BURLINGTON	BLCDDT	20090220ABA	LIC
22A MA NEW BEDFORD	BPCDDT	NEWWLWCDT22	APP

Percent new IX = 0.4982%

Result key: 7
Scenario 3 Affected station 2
Before Analysis

Results for: 22A MA SPRINGFIELD BLEDT 20090612ACH LIC
HAAT 306.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2651341	18640.3
not affected by terrain losses	2313625	16404.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	229625	2108.1
lost to ATV IX only	229625	2108.1
lost to all IX	229625	2108.1

Potential Interfering Stations Included in above Scenario 3

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A NJ CAMDEN	BPEDT	20080620ALH	CP
22A VT BURLINGTON	BMPDDT	20080616ADK	APP
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 22A MA SPRINGFIELD BLEDT 20090612ACH LIC
HAAT 306.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2651341	18640.3

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not affected by terrain losses	2313625	16404.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	239770	2257.1
lost to ATV IX only	239770	2257.1
lost to all IX	239770	2257.1

Potential Interfering Stations Included in above Scenario 3

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A NJ CAMDEN	BPEDT	20080620ALH	CP
22A VT BURLINGTON	BMPCDT	20080616ADK	APP
22A MA NEW BEDFORD	BPCDT	NEWWLWCDT22	APP

Percent new IX = 0.4868%

Result key: 8
Scenario 4 Affected station 2
Before Analysis

Results for: 22A MA SPRINGFIELD BLEDT 20090612ACH LIC
HAAT 306.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2651341	18640.3
not affected by terrain losses	2313625	16404.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	228987	2097.2
lost to ATV IX only	228987	2097.2
lost to all IX	228987	2097.2

Potential Interfering Stations Included in above Scenario 4

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A NJ CAMDEN	BLEDT	20070611AAY	LIC
22A VT BURLINGTON	BMPCDT	20080616ADK	APP
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 22A MA SPRINGFIELD BLEDT 20090612ACH LIC
HAAT 306.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2651341	18640.3
not affected by terrain losses	2313625	16404.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	239132	2246.2
lost to ATV IX only	239132	2246.2
lost to all IX	239132	2246.2

Potential Interfering Stations Included in above Scenario 4

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A NJ CAMDEN	BLEDT	20070611AAY	LIC
22A VT BURLINGTON	BMPCDT	20080616ADK	APP
22A MA NEW BEDFORD	BPCDT	NEWWLWCDT22	APP

Percent new IX = 0.4867%

Worst case new IX 0.4983% Scenario 1

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Analysis of Interference to Affected Station 3

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Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WNJS	CAMDEN NJ	BPEDT	-20080620ALH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WBOC-TV	SALISBURY MD	152.5	LIC	BLCDDT	-20090618ABK
21	WLIW	GARDEN CITY NY	166.8	APP	BMPEDT	-20080620AID
21	WLIW	GARDEN CITY NY	166.8	LIC	BLEDT	-20090612AEP
21	WHP-TV	HARRISBURG PA	185.5	LIC	BLCDDT	-20090615ADL
21	WHP-TV	HARRISBURG PA	185.5	CP	BPCDDT	-20100325ABG
22	WLWC	NEW BEDFORD MA	400.7	APP	BPCDDT	-NEWWLWCDT22
22	WGBY-TV	SPRINGFIELD MA	334.6	LIC	BLEDT	-20090612ACH
22	WRIC-TV	PETERSBURG VA	343.5	LIC	BLCDDT	-20090209ABZ
23	WFTY-DT	SMITHTOWN NY	205.8	CP	BPCDDT	-20080613ACJ
23	WFTY-DT	SMITHTOWN NY	205.8	LIC	BLCDDT	-20030113ABS
23	WLYH-TV	LANCASTER PA	150.2	LIC	BLCDDT	-20040922AAC
22	WLWC	NEW BEDFORD MA	400.7	PLN	DTVPLN	-DTVP0789

Proposal causes no interference

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WNJS	CAMDEN NJ	BLEDT	-20070611AAY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WBOC-TV	SALISBURY MD	152.5	LIC	BLCDDT	-20090618ABK
21	WLIW	GARDEN CITY NY	166.8	APP	BMPEDT	-20080620AID
21	WLIW	GARDEN CITY NY	166.8	LIC	BLEDT	-20090612AEP
21	WHP-TV	HARRISBURG PA	185.5	LIC	BLCDDT	-20090615ADL
21	WHP-TV	HARRISBURG PA	185.5	CP	BPCDDT	-20100325ABG
22	WLWC	NEW BEDFORD MA	400.7	APP	BPCDDT	-NEWWLWCDT22
22	WGBY-TV	SPRINGFIELD MA	334.6	LIC	BLEDT	-20090612ACH
22	WRIC-TV	PETERSBURG VA	343.5	LIC	BLCDDT	-20090209ABZ
23	WFTY-DT	SMITHTOWN NY	205.8	CP	BPCDDT	-20080613ACJ
23	WFTY-DT	SMITHTOWN NY	205.8	LIC	BLCDDT	-20030113ABS
23	WLYH-TV	LANCASTER PA	150.2	LIC	BLCDDT	-20040922AAC
22	WLWC	NEW BEDFORD MA	400.7	PLN	DTVPLN	-DTVP0789

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WCAX-TV	BURLINGTON VT	BLCDDT	-20090220ABA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WLWC	NEW BEDFORD MA	341.6	APP	BPCDDT	-NEWWLWCDT22
22	WGBY-TV	SPRINGFIELD MA	254.2	LIC	BLEDT	-20090612ACH
23	WPFO	WATERVILLE ME	226.8	LIC	BLCDDT	-20090612ABJ
23	WNPI-DT	NORWOOD NY	161.9	LIC	BLEDT	-20050715ABZ
23	WNPI-DT	NORWOOD NY	161.9	APP	BPEDT	-20080619ABH
22	WLWC	NEW BEDFORD MA	341.6	PLN	DTVPLN	-DTVP0789

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Total scenarios = 2

Result key: 9
Scenario 1 Affected station 5
Before Analysis

Results for: 22A VT BURLINGTON BLC DT 20090220ABA LIC
HAAT 845.0 m, ATV ERP 443.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	760033	50204.5
not affected by terrain losses	631549	43412.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2243	204.4
lost to ATV IX only	2243	204.4
lost to all IX	2243	204.4

Potential Interfering Stations Included in above Scenario 1

22A MA SPRINGFIELD	BLED T	20090612ACH	LIC
23A NY NORWOOD	BLED T	20050715ABZ	LIC
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

After Analysis

Results for: 22A VT BURLINGTON BLC DT 20090220ABA LIC
HAAT 845.0 m, ATV ERP 443.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	760033	50204.5
not affected by terrain losses	631549	43412.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2319	212.2
lost to ATV IX only	2319	212.2
lost to all IX	2319	212.2

Potential Interfering Stations Included in above Scenario 1

22A MA SPRINGFIELD	BLED T	20090612ACH	LIC
23A NY NORWOOD	BLED T	20050715ABZ	LIC
22A MA NEW BEDFORD	BPCDT	NEWWLWCDT22	APP

Percent new IX = 0.0121%

Result key: 10
Scenario 2 Affected station 5
Before Analysis

Results for: 22A VT BURLINGTON BLC DT 20090220ABA LIC
HAAT 845.0 m, ATV ERP 443.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	760033	50204.5
not affected by terrain losses	631549	43412.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2249	222.0
lost to ATV IX only	2249	222.0
lost to all IX	2249	222.0

Potential Interfering Stations Included in above Scenario 2

22A MA SPRINGFIELD	BLED T	20090612ACH	LIC
23A NY NORWOOD	BPED T	20080619ABH	APP
22A MA NEW BEDFORD	DTVPLN	DTVP0789	PLN

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After Analysis

Results for: 22A VT BURLINGTON BLC DT 20090220ABA LIC
HAAT 845.0 m, ATV ERP 443.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	760033	50204.5
not affected by terrain losses	631549	43412.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2325	229.8
lost to ATV IX only	2325	229.8
lost to all IX	2325	229.8

Potential Interfering Stations Included in above Scenario 2
22A MA SPRINGFIELD BLEDT 20090612ACH LIC
23A NY NORWOOD BPEDT 20080619ABH APP
22A MA NEW BEDFORD BPCDT NEWWLWCDT22 APP

Percent new IX = 0.0121%

Worst case new IX 0.0121% Scenario 2

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WCAX-TV	BURLINGTON VT	BMPCDT -20080616ADK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WLWC	NEW BEDFORD MA	341.6	APP	BPCDT -NEWWLWCDT22
22	WGBY-TV	SPRINGFIELD MA	254.2	LIC	BLEDT -20090612ACH
23	WPFO	WATERVILLE ME	226.8	LIC	BLC DT -20090612ABJ
23	WNPI-DT	NORWOOD NY	161.9	LIC	BLEDT -20050715ABZ
23	WNPI-DT	NORWOOD NY	161.9	APP	BPEDT -20080619ABH
22	WLWC	NEW BEDFORD MA	341.6	PLN	DTVPLN -DTPV0789

Total scenarios = 2

Result key: 11
Scenario 1 Affected station 6
Before Analysis

Results for: 22A VT BURLINGTON BMPCDT 20080616ADK APP
HAAT 845.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	774615	52072.2
not affected by terrain losses	644218	45003.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2248	229.8
lost to ATV IX only	2248	229.8
lost to all IX	2248	229.8

Potential Interfering Stations Included in above Scenario 1
22A MA SPRINGFIELD BLEDT 20090612ACH LIC
23A NY NORWOOD BLEDT 20050715ABZ LIC
22A MA NEW BEDFORD DTVPLN DTVP0789 PLN

After Analysis

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Results for: 22A VT BURLINGTON BMPCDT 20080616ADK APP
HAAT 845.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	774615	52072.2
not affected by terrain losses	644218	45003.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2567	245.5
lost to ATV IX only	2567	245.5
lost to all IX	2567	245.5

Potential Interfering Stations Included in above Scenario 1
22A MA SPRINGFIELD BLEDT 20090612ACH LIC
23A NY NORWOOD BLEDT 20050715ABZ LIC
22A MA NEW BEDFORD BPCDT NEWWLWCDT22 APP

Percent new IX = 0.0497%

Result key: 12
Scenario 2 Affected station 6
Before Analysis

Results for: 22A VT BURLINGTON BMPCDT 20080616ADK APP
HAAT 845.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	774615	52072.2
not affected by terrain losses	644218	45003.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2248	245.5
lost to ATV IX only	2248	245.5
lost to all IX	2248	245.5

Potential Interfering Stations Included in above Scenario 2
22A MA SPRINGFIELD BLEDT 20090612ACH LIC
23A NY NORWOOD BPEDT 20080619ABH APP
22A MA NEW BEDFORD DTVPLN DTVP0789 PLN

After Analysis

Results for: 22A VT BURLINGTON BMPCDT 20080616ADK APP
HAAT 845.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	774615	52072.2
not affected by terrain losses	644218	45003.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2567	261.1
lost to ATV IX only	2567	261.1
lost to all IX	2567	261.1

Potential Interfering Stations Included in above Scenario 2
22A MA SPRINGFIELD BLEDT 20090612ACH LIC
23A NY NORWOOD BPEDT 20080619ABH APP
22A MA NEW BEDFORD BPCDT NEWWLWCDT22 APP

Percent new IX = 0.0497%

Worst case new IX 0.0497% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WFTY-DT	SMITHTOWN NY	BPCDT -20080613ACJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WLWC	NEW BEDFORD MA	195.7	APP	BPCDT -NEWWLWCDT22
22	WGBY-TV	SPRINGFIELD MA	152.4	LIC	BLEDT -20090612ACH
22	WNJS	CAMDEN NJ	205.8	CP	BPEDT -20080620ALH
22	WNJS	CAMDEN NJ	205.8	LIC	BLEDT -20070611AAY
23	WLYH-TV	LANCASTER PA	304.4	LIC	BLCDT -20040922AAC
24	WNYE-TV	NEW YORK NY	88.2	LIC	BLEDT -20071228ABM
24	WNYE-TV	NEW YORK NY	88.2	CP MOD	BMPEDT -20070124AAX
22	WLWC	NEW BEDFORD MA	195.7	PLN	DTVPLN -DTVP0789

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WFTY-DT	SMITHTOWN NY	BLCDT -20030113ABS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WLWC	NEW BEDFORD MA	195.7	APP	BPCDT -NEWWLWCDT22
22	WGBY-TV	SPRINGFIELD MA	152.4	LIC	BLEDT -20090612ACH
22	WNJS	CAMDEN NJ	205.8	CP	BPEDT -20080620ALH
22	WNJS	CAMDEN NJ	205.8	LIC	BLEDT -20070611AAY
23	WLYH-TV	LANCASTER PA	304.4	LIC	BLCDT -20040922AAC
24	WNYE-TV	NEW YORK NY	88.2	LIC	BLEDT -20071228ABM
24	WNYE-TV	NEW YORK NY	88.2	CP MOD	BMPEDT -20070124AAX
22	WLWC	NEW BEDFORD MA	195.7	PLN	DTVPLN -DTVP0789

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.
22	WLWC	NEW BEDFORD MA	BPCDT -NEWWLWCDT22

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WSBE-TV	PROVIDENCE RI	31.3	LIC	BLEDT -20050307ACR
22	WGBY-TV	SPRINGFIELD MA	151.2	LIC	BLEDT -20090612ACH
22	WNJS	CAMDEN NJ	400.7	CP	BPEDT -20080620ALH
22	WNJS	CAMDEN NJ	400.7	LIC	BLEDT -20070611AAY
22	WCAX-TV	BURLINGTON VT	341.6	LIC	BLCDT -20090220ABA
22	WCAX-TV	BURLINGTON VT	341.6	APP	BMPEDT -20080616ADK
23	WFTY-DT	SMITHTOWN NY	195.7	CP	BPCDT -20080613ACJ
23	WFTY-DT	SMITHTOWN NY	195.7	LIC	BLCDT -20030113ABS

Total scenarios = 2

Result key: 13

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Scenario 1 Affected station 9
Before Analysis

Results for: 22A MA NEW BEDFORD BPCDT NEWWLWCDT22 APP
HAAT 221.0 m, ATV ERP 426.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4849581	18756.8
not affected by terrain losses	4812902	18636.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	56317	239.5
lost to ATV IX only	56317	239.5
lost to all IX	56317	239.5

Potential Interfering Stations Included in above Scenario 1

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A MA SPRINGFIELD	BLEDT	20090612ACH	LIC
22A VT BURLINGTON	BLCDT	20090220ABA	LIC

Result key: 14
Scenario 2 Affected station 9
Before Analysis

Results for: 22A MA NEW BEDFORD BPCDT NEWWLWCDT22 APP
HAAT 221.0 m, ATV ERP 426.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4849581	18756.8
not affected by terrain losses	4812902	18636.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	56905	244.4
lost to ATV IX only	56905	244.4
lost to all IX	56905	244.4

Potential Interfering Stations Included in above Scenario 2

21A RI PROVIDENCE	BLEDT	20050307ACR	LIC
22A MA SPRINGFIELD	BLEDT	20090612ACH	LIC
22A VT BURLINGTON	BMPCDT	20080616ADK	APP

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