

TECHNICAL EXHIBIT  
APPLICATION FOR MODIFICATION OF  
DTV CONSTRUCTION PERMIT  
STATION WTNH-DT  
FACILITY ID: 74109  
NEW HAVEN, CONNECTICUT  
CH 10 20.5 KW (MAX-DA) 342 M

Technical Narrative

This Technical Exhibit supports an application for modification of construction permit for the digital operation of station WTNH-DT on DTV channel 10 at New Haven, Connecticut. Specifically, this application will modify the WTNH-DT authorized construction permit (BMPCDT-19990422KE) by changing the antenna system from non-directional to directional. No other changes are proposed.

Station WTNH-DT is currently authorized for operation on channel 10 with a non-directional effective radiated power (ERP) of 20.5 kilowatts and an antenna height above average terrain (HAAT) of 342 meters. It is proposed to operate with the same ERP and HAAT, but to employ a Dielectric THP-C4SP-2/8-1-R directional antenna, instead of the currently authorized non-directional antenna.

A sketch of the antenna and pertinent elevations are included as Figure 1. The FCC antenna registration number for the existing tower is 1043980. Figure 2 provides a graph for the proposed Dielectric THP-C4SP-2/8-1-R directional antenna. A tabulation of both the horizontal and vertical antenna patterns are included.

Response to Paragraph 11 - NTSC/DTV Allocation Considerations

Figure 3 is a DTV channel 10 separation study toward other NTSC and DTV allotments based on a 32 kilometer "buffer". Although the separation requirements are only applicable to new DTV allotments, they can be used as an

indication of which stations have the potential of receiving interference from the proposed channel 10 DTV operation.

An interference analysis has been conducted using the procedures outlined in the FCC's OET-69 bulletin, which demonstrates that the proposal complies with the interference protection provisions of Section 73.623(c)(2).<sup>1</sup> Interference calculations for the proposed WTNH-DT operation are summarized below with respect to all authorized NTSC, DTV, and Class A facilities.

Protected Station	Facility	Ch.	City	State	FCC Service Population	Proposed Interference Population*	
WMUR-TV	LIC	9	MANCHESTER	NH	--	NONE	
WWOR-TV	LIC	9	SECAUCUS	NJ	18,292,565	0	0.00%
WCBB	LIC	10	AUGUSTA	ME	--	NONE	--
WTEN	LIC	10	ALBANY	NY	1,461,487	6,615	0.45%
WHTM-TV	CP	10	HARRISBURG	PA	--	NONE	--
WHTM-TV	LIC	10	HARRISBURG	PA	2,434,501	0	0.00%
WCAU	LIC	10	PHILADELPHIA	PA	8,601,044	13,481	0.16%
WCAU	CP	10	PHILADELPHIA	PA	8,588,481	26,295	0.31%
WJAR	LIC	10	PROVIDENCE	RI	6,350,135	20,337	0.32%
WWLP-DT	PLN	11	SPRINGFIELD	MA	2,128,233	10,330	0.49%
WWLP	APP	11	SPRINGFIELD	MA	2,128,233	7,911	0.37%
WPIX	LIC	11	NEW YORK	NY	18,299,991	25,219	0.14%

\*Considers interference "masking" from other NTSC and DTV assignments.

From the above, it is apparent that the proposed WTNH-DT operation on channel 10 complies with the FCC's interference standards towards all authorized NTSC and DTV assignments.

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<sup>1</sup> The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed. An Alpha based processor computer system was employed. The results have been found to be in very close agreement with the results of the FCC implementation of OET Bulletin No. 69.

Class A Allocation Considerations

A study has been conducted which indicates that the WTNH-DT proposal will not be involved in any prohibited contour overlap to any Class A stations.

Response to Paragraph 12 - City Coverage

Figure 4 is a map showing the DTV predicted coverage contours. The map provides the predicted 36 dBu F(50,90) noise-limited contour and 43 dBu F(50,90) city grade contour. The New Haven city limits were derived from information contained in the 2000 U.S. Census for Connecticut. As indicated, all of New Haven is located within the proposed 43 dBu contour. The distances to the predicted contours were determined in accordance with the provisions of Section 73.625, except the proposed HAAT was calculated based on 36 evenly spaced radials rather than eight. The average elevations from 3.2 to 16.1 kilometers from the transmitter site, were obtained from the NGDC 30-second terrain database and were used for determining the distances to coverage contours.

US-Canadian LOU Compliance

The proposed site is 399 kilometers from the closest point of the Canadian Border, or 1 kilometer within the US/Canadian border area. However, it is noted that the proposed WTNH-DT operation will not be increasing ERP in any direction from the original construction permit, and therefore, it is believed that coordination will not be necessary. If coordination is necessary, it is respectfully requested.

Objectionable Interference

There are no known authorized full service AM stations within 5 kilometers (3 miles) of the proposed

transmitter site. Figure 5 provides a tabulation of all known authorized full service FM and TV stations within 16 kilometers (10 miles) of the proposed site. Although no adverse electromagnetic impact is expected, the applicant recognizes its responsibility to correct problems, which are a result of its proposed operation.

The proposed site is more than 2500 kilometers from the closest point of the Mexican border. The closest FCC monitoring station is at Canandaigua, New York located 392 kilometers to the west-northwest. The National Radio Quiet Zone (VA/WV) is 528 kilometers to the west-southwest. The Table Mountain Radio Quiet Zone (CO) is more than 2700 kilometers to the west. The closest radio astronomy site conducting research on TV channel 37 is at Hancock, New Hampshire located 186 kilometers to the east-northeast. All these separations are considered sufficient to avoid interference from the proposed operation.

Response to Paragraph 13 - Environmental Protection Act

The proposed facility has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields<sup>2</sup>. The power density at the base of the tower was calculated using the appropriate procedures contained in the Bulletin.

The proposed WTNH-DT antenna will be top-mounted on the existing WTNH tower below the current WTNH-TV analog antenna system. The antenna center of radiation is located 244 meters above ground level. The calculated power density at 2 meters above ground level (AGL) was calculated using the appropriate equation contained in the Bulletin. The vertical relative field pattern and tabulation for the proposed antenna

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<sup>2</sup> OET Bulletin 65, Second Edition 97-01, August, 1997.

are shown in Figure 2. The maximum vertical relative field value towards the tower base (-50 to -90 elevation) is 0.382. Therefore, using a "worst-case" vertical relative field value of 0.4, the calculated power density at 2 meters above the ground is 0.0019 milliwatts per square centimeter (mW/cm<sup>2</sup>), which is less than 1% of the Commission's recommended limit of 0.2 mW/cm<sup>2</sup> for channel 10, applicable to uncontrolled exposure areas. Therefore, the proposed WTNH-DT facility will comply with the FCC's RF emission rules.

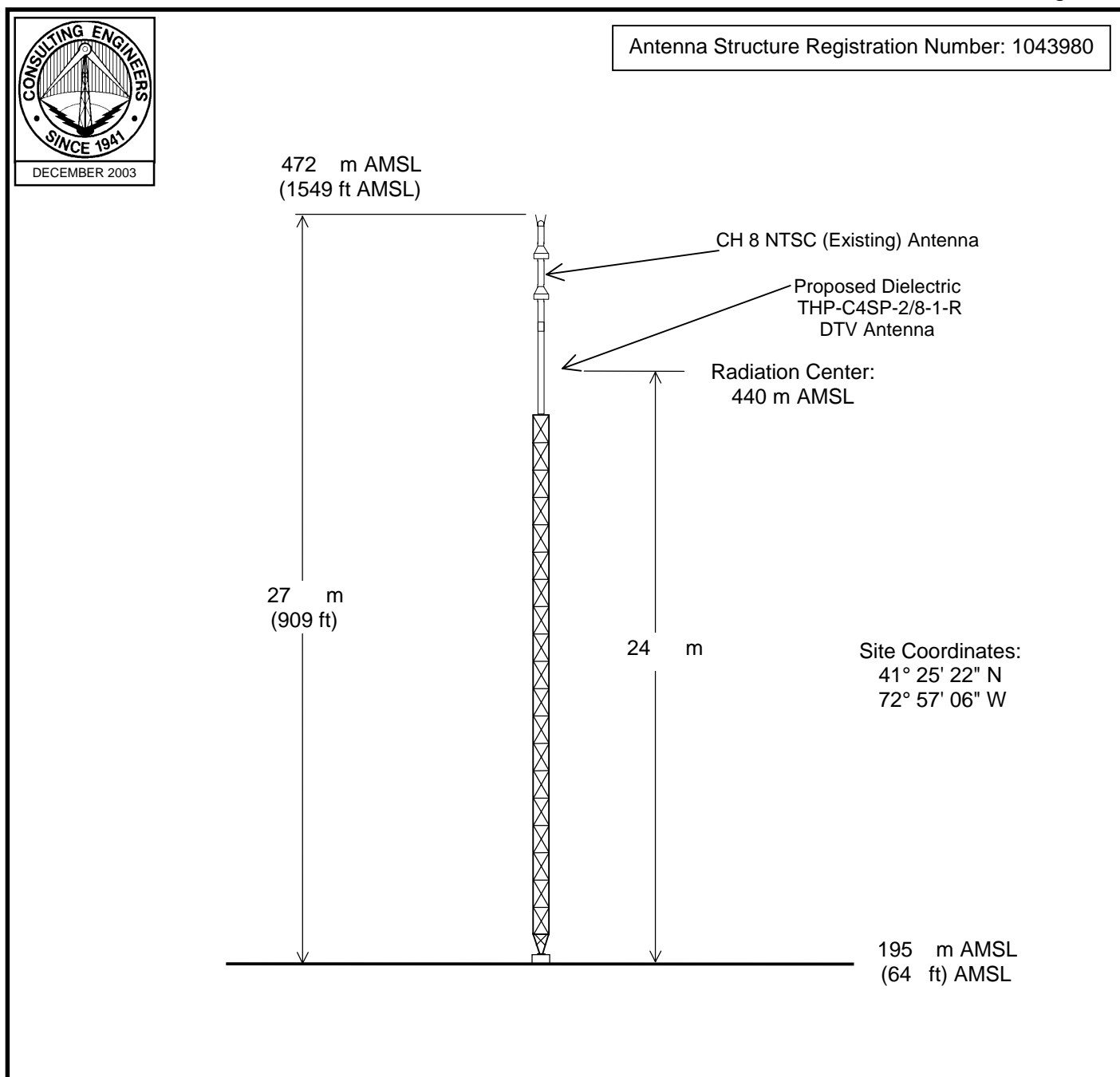
Access to the tower site will be restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency electromagnetic fields will not exceed the FCC guidelines.

It is noted that this technical exhibit only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be provided to the FCC by the tower owner as part of the tower registration process.

W. Jeffrey Reynolds

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201 Fletcher Avenue  
Sarasota, Florida 34237-6019  
(941) 329-6000  
JEFF@DLR.COM

December 19, 2003



## **PROPOSED ANTENNA AND SUPPORTING STRUCTURE**

STATION WTNH-DT  
NEW HAVEN, CONNECTICUT  
CH 10    20.5 KW    342 M

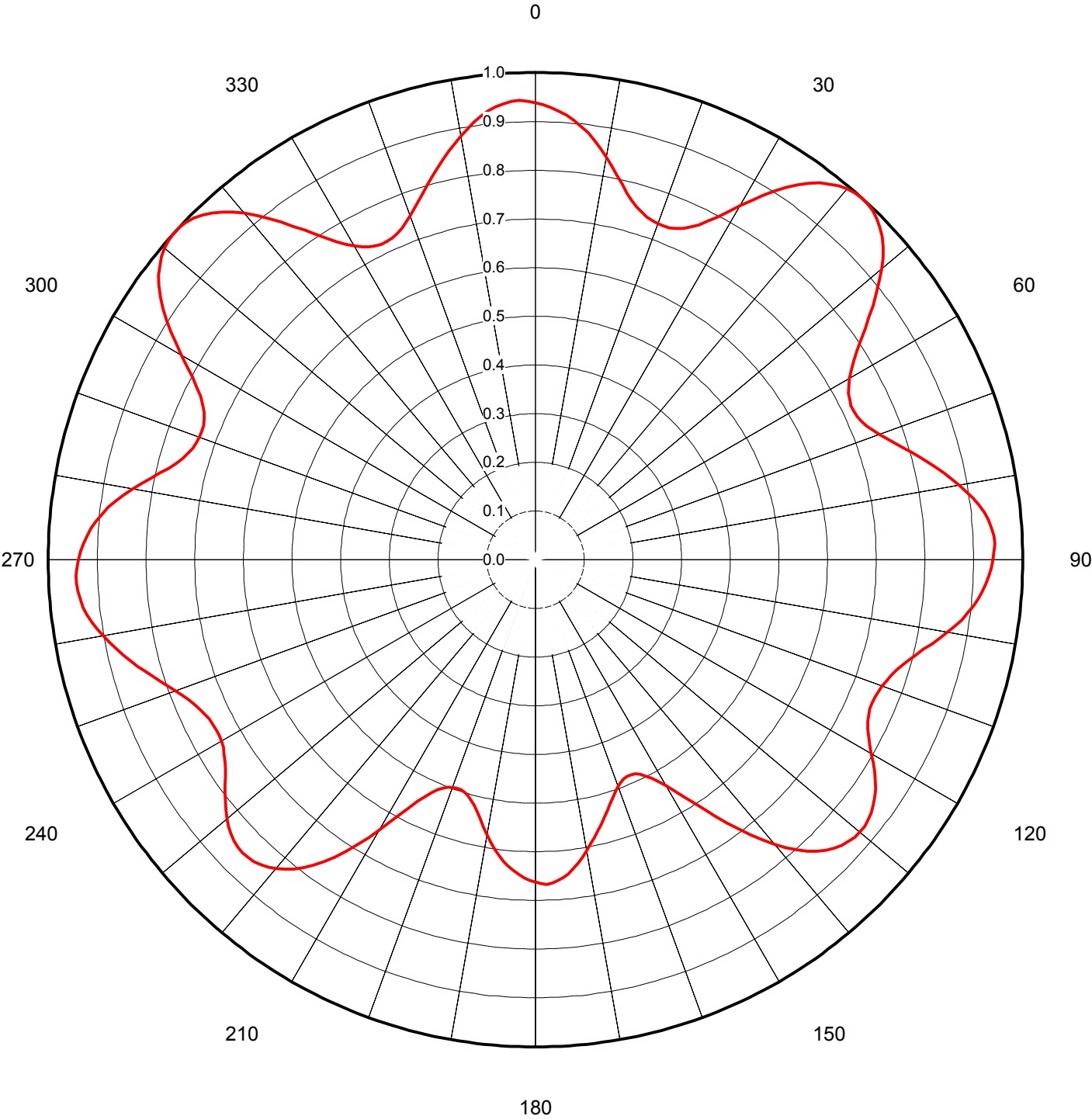
du Treil, Lundin & Rackley, Inc. Sarasota, Florida



Proposal Number	<b>DCA-10411</b>		
Date	<b>11-Dec-03</b>		
Call Letters	<b>WTNH-DT</b>	Channel	<b>10</b>
Location	<b>New Haven, CT</b>		
Customer	<b>Lin Television</b>		
Antenna Type	<b>THP-C4SP-2/8-1-R</b>		

**AZIMUTH PATTERN**

Gain	<b>1.60</b>	<b>( 2.04 dB)</b>	Frequency	<b>195.00 MHz</b>
Calculated / Measured	<b>Calculated</b>		Drawing #	<b>THP-C4SP-1950</b>





Proposal Number **DCA-10411**  
 Date **11-Dec-03**  
 Call Letters **WTNH-DT** Channel **10**  
 Location **New Haven, CT**  
 Customer **Lin Television**  
 Antenna Type **THP-C4SP-2/8-1-R**

## TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **THP-C4SP-1950**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.938	45	0.991	90	0.939	135	0.843	180	0.662	225	0.850	270	0.938	315	0.992
1	0.934	46	0.983	91	0.936	136	0.832	181	0.658	226	0.849	271	0.934	316	0.984
2	0.929	47	0.973	92	0.931	137	0.818	182	0.654	227	0.846	272	0.929	317	0.974
3	0.922	48	0.960	93	0.926	138	0.802	183	0.648	228	0.841	273	0.922	318	0.961
4	0.914	49	0.945	94	0.920	139	0.783	184	0.641	229	0.835	274	0.914	319	0.946
5	0.905	50	0.928	95	0.912	140	0.763	185	0.632	230	0.827	275	0.905	320	0.928
6	0.894	51	0.908	96	0.904	141	0.741	186	0.623	231	0.818	276	0.894	321	0.909
7	0.882	52	0.888	97	0.894	142	0.717	187	0.612	232	0.808	277	0.882	322	0.889
8	0.869	53	0.867	98	0.883	143	0.692	188	0.600	233	0.797	278	0.869	323	0.868
9	0.854	54	0.846	99	0.871	144	0.667	189	0.587	234	0.787	279	0.854	324	0.846
10	0.839	55	0.825	100	0.859	145	0.642	190	0.573	235	0.777	280	0.839	325	0.826
11	0.822	56	0.806	101	0.845	146	0.618	191	0.559	236	0.768	281	0.822	326	0.806
12	0.806	57	0.787	102	0.831	147	0.595	192	0.545	237	0.760	282	0.806	327	0.787
13	0.791	58	0.771	103	0.818	148	0.573	193	0.532	238	0.753	283	0.791	328	0.770
14	0.776	59	0.756	104	0.805	149	0.552	194	0.520	239	0.747	284	0.776	329	0.755
15	0.764	60	0.745	105	0.794	150	0.535	195	0.510	240	0.744	285	0.764	330	0.744
16	0.754	61	0.735	106	0.784	151	0.521	196	0.503	241	0.742	286	0.754	331	0.734
17	0.746	62	0.728	107	0.775	152	0.508	197	0.499	242	0.742	287	0.746	332	0.727
18	0.740	63	0.723	108	0.768	153	0.498	198	0.496	243	0.743	288	0.740	333	0.723
19	0.736	64	0.721	109	0.762	154	0.491	199	0.496	244	0.745	289	0.736	334	0.720
20	0.734	65	0.721	110	0.758	155	0.486	200	0.497	245	0.749	290	0.734	335	0.720
21	0.734	66	0.723	111	0.754	156	0.483	201	0.501	246	0.754	291	0.734	336	0.722
22	0.735	67	0.727	112	0.752	157	0.483	202	0.506	247	0.760	292	0.735	337	0.727
23	0.739	68	0.733	113	0.751	158	0.485	203	0.513	248	0.768	293	0.739	338	0.733
24	0.745	69	0.741	114	0.752	159	0.490	204	0.523	249	0.777	294	0.745	339	0.741
25	0.753	70	0.751	115	0.754	160	0.496	205	0.536	250	0.787	295	0.753	340	0.751
26	0.765	71	0.762	116	0.759	161	0.504	206	0.552	251	0.798	296	0.765	341	0.762
27	0.780	72	0.775	117	0.766	162	0.513	207	0.570	252	0.809	297	0.780	342	0.774
28	0.797	73	0.788	118	0.774	163	0.524	208	0.592	253	0.821	298	0.797	343	0.788
29	0.817	74	0.801	119	0.785	164	0.535	209	0.615	254	0.833	299	0.817	344	0.801
30	0.838	75	0.815	120	0.796	165	0.546	210	0.640	255	0.845	300	0.838	345	0.815
31	0.861	76	0.829	121	0.808	166	0.558	211	0.665	256	0.857	301	0.861	346	0.829
32	0.882	77	0.843	122	0.820	167	0.570	212	0.690	257	0.868	302	0.882	347	0.843
33	0.903	78	0.856	123	0.832	168	0.582	213	0.714	258	0.879	303	0.903	348	0.856
34	0.923	79	0.870	124	0.842	169	0.594	214	0.736	259	0.890	304	0.922	349	0.870
35	0.940	80	0.883	125	0.850	170	0.606	215	0.756	260	0.900	305	0.940	350	0.883
36	0.955	81	0.895	126	0.858	171	0.618	216	0.775	261	0.910	306	0.955	351	0.895
37	0.968	82	0.907	127	0.863	172	0.629	217	0.791	262	0.920	307	0.968	352	0.907
38	0.979	83	0.918	128	0.867	173	0.639	218	0.805	263	0.927	308	0.979	353	0.918
39	0.988	84	0.926	129	0.869	174	0.648	219	0.817	264	0.934	309	0.988	354	0.926
40	0.994	85	0.933	130	0.870	175	0.655	220	0.828	265	0.938	310	0.994	355	0.933
41	0.998	86	0.938	131	0.868	176	0.660	221	0.836	266	0.941	311	0.998	356	0.938
42	1.000	87	0.942	132	0.865	177	0.665	222	0.842	267	0.943	312	1.000	357	0.942
43	0.999	88	0.944	133	0.860	178	0.667	223	0.847	268	0.944	313	1.000	358	0.944
44	0.996	89	0.941	134	0.852	179	0.664	224	0.849	269	0.941	314	0.997	359	0.941



Proposal Number **DCA-10411**  
Date **11-Dec-03**  
Call Letters **WTNH-DT**  
Location **New Haven, CT**  
Customer **Lin Television**  
Antenna Type **THP-C4SP-2/8-1-R**

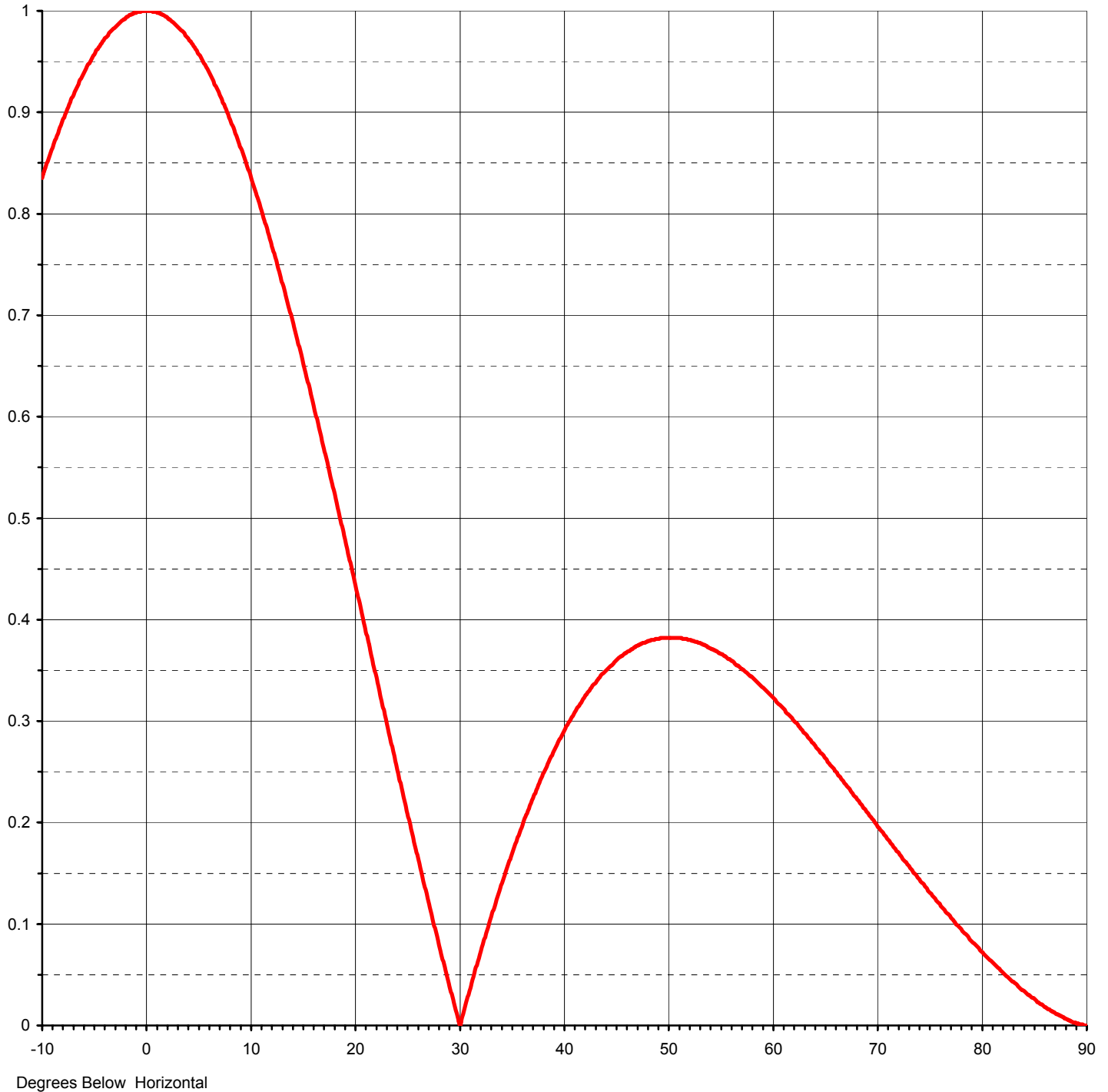
Figure 2  
Sheet 3 of 4

Channel **10**

## ELEVATION PATTERN

RMS Gain at Main Lobe **2.10 ( 3.22 dB )**  
RMS Gain at Horizontal **2.10 ( 3.22 dB )**  
Calculated / Measured **Calculated**

Beam Tilt **0.00 deg**  
Frequency **195.00 MHz**  
Drawing # **02H021000-90**





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 Call Letters **WTNH-DT** Channel **10**  
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 Customer **Lin Television**  
 Antenna Type **THP-C4SP-2/8-1-R**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **02H021000-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.835	2.4	0.990	10.6	0.820	30.5	0.015	51.0	0.382	71.5	0.176
-9.5	0.851	2.6	0.988	10.8	0.813	31.0	0.034	51.5	0.381	72.0	0.170
-9.0	0.865	2.8	0.986	11.0	0.806	31.5	0.052	52.0	0.380	72.5	0.163
-8.5	0.879	3.0	0.984	11.5	0.789	32.0	0.070	52.5	0.379	73.0	0.157
-8.0	0.893	3.2	0.982	12.0	0.772	32.5	0.087	53.0	0.377	73.5	0.150
-7.5	0.905	3.4	0.980	12.5	0.754	33.0	0.104	53.5	0.375	74.0	0.144
-7.0	0.917	3.6	0.978	13.0	0.735	33.5	0.120	54.0	0.372	74.5	0.137
-6.5	0.928	3.8	0.975	13.5	0.716	34.0	0.136	54.5	0.370	75.0	0.131
-6.0	0.939	4.0	0.973	14.0	0.697	34.5	0.152	55.0	0.367	75.5	0.125
-5.5	0.948	4.2	0.970	14.5	0.677	35.0	0.167	55.5	0.364	76.0	0.118
-5.0	0.957	4.4	0.967	15.0	0.657	35.5	0.181	56.0	0.360	76.5	0.112
-4.5	0.965	4.6	0.964	15.5	0.636	36.0	0.195	56.5	0.356	77.0	0.106
-4.0	0.973	4.8	0.961	16.0	0.615	36.5	0.209	57.0	0.352	77.5	0.100
-3.5	0.979	5.0	0.957	16.5	0.594	37.0	0.222	57.5	0.348	78.0	0.095
-3.0	0.984	5.2	0.954	17.0	0.572	37.5	0.234	58.0	0.344	78.5	0.089
-2.8	0.986	5.4	0.950	17.5	0.550	38.0	0.246	58.5	0.339	79.0	0.083
-2.6	0.988	5.6	0.947	18.0	0.528	38.5	0.258	59.0	0.334	79.5	0.078
-2.4	0.990	5.8	0.943	18.5	0.506	39.0	0.269	59.5	0.329	80.0	0.072
-2.2	0.992	6.0	0.939	19.0	0.483	39.5	0.279	60.0	0.324	80.5	0.067
-2.0	0.993	6.2	0.935	19.5	0.461	40.0	0.289	60.5	0.318	81.0	0.062
-1.8	0.994	6.4	0.931	20.0	0.438	40.5	0.298	61.0	0.313	81.5	0.057
-1.6	0.996	6.6	0.926	20.5	0.416	41.0	0.307	61.5	0.307	82.0	0.052
-1.4	0.997	6.8	0.922	21.0	0.393	41.5	0.315	62.0	0.301	82.5	0.047
-1.2	0.998	7.0	0.917	21.5	0.370	42.0	0.323	62.5	0.295	83.0	0.043
-1.0	0.998	7.2	0.913	22.0	0.347	42.5	0.330	63.0	0.289	83.5	0.038
-0.8	0.999	7.4	0.908	22.5	0.324	43.0	0.337	63.5	0.283	84.0	0.034
-0.6	0.999	7.6	0.903	23.0	0.302	43.5	0.343	64.0	0.277	84.5	0.030
-0.4	1.000	7.8	0.898	23.5	0.279	44.0	0.349	64.5	0.269	85.0	0.026
-0.2	1.000	8.0	0.893	24.0	0.257	44.5	0.354	65.0	0.263	85.5	0.022
0.0	1.000	8.2	0.887	24.5	0.234	45.0	0.359	65.5	0.256	86.0	0.018
0.2	1.000	8.4	0.882	25.0	0.212	45.5	0.364	66.0	0.250	86.5	0.015
0.4	1.000	8.6	0.877	25.5	0.190	46.0	0.367	66.5	0.243	87.0	0.012
0.6	0.999	8.8	0.871	26.0	0.168	46.5	0.371	67.0	0.237	87.5	0.009
0.8	0.999	9.0	0.865	26.5	0.147	47.0	0.374	67.5	0.230	88.0	0.007
1.0	0.998	9.2	0.860	27.0	0.125	47.5	0.376	68.0	0.223	88.5	0.004
1.2	0.998	9.4	0.854	27.5	0.104	48.0	0.378	68.5	0.217	89.0	0.002
1.4	0.997	9.6	0.848	28.0	0.084	48.5	0.380	69.0	0.210	89.5	0.001
1.6	0.996	9.8	0.845	28.5	0.063	49.0	0.381	69.5	0.203	90.0	0.000
1.8	0.994	10.0	0.839	29.0	0.043	49.5	0.382	70.0	0.196		
2.0	0.993	10.2	0.832	29.5	0.023	50.0	0.382	70.5	0.190		
2.2	0.992	10.4	0.826	30.0	0.004	50.5	0.382	71.0	0.183		

Figure 3

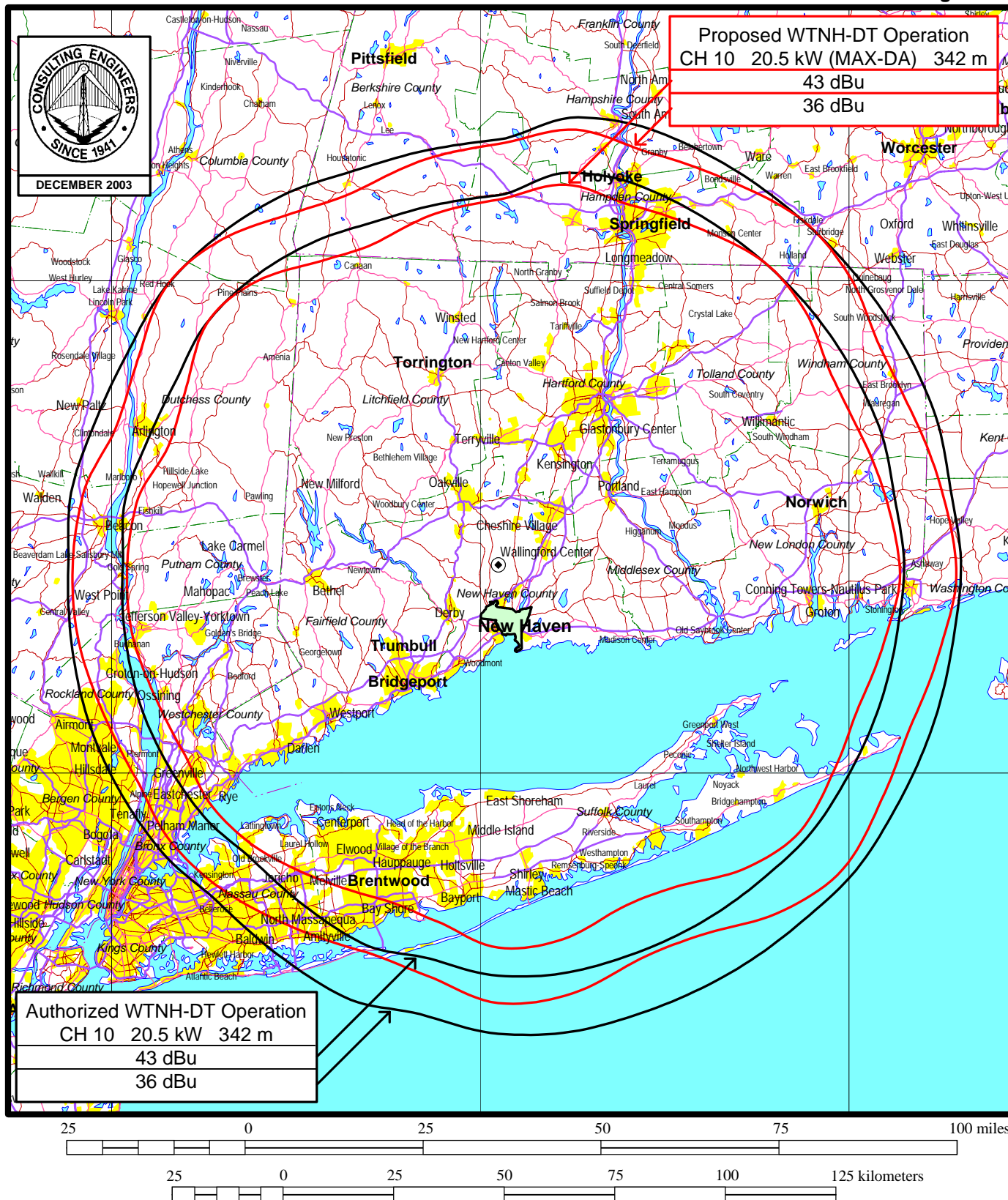
CDBS TV/DTV SEPARATION STUDY

Job Title: WTNH-DT  
 Channel: 10  
 Class: EX  
 Type: DT

Separation Buffer: 32 km  
 Coordinates: 41-25-22 072-57-06  
 Zone: I

Call Id	City St	Status	File Num	Channel Zone	ERP HAAT	DA Id	Latitude Longitude	Bear	Dist. (km)	Req. min	max
WWOR-T 74197	SECAUCUS NJ	LIC C	BLCT 19810514KF	9(+) I	61.700 500		40-42-43 074-00-49	228.8	119.2 5.84	9.0 Short	125.0
WTNH 74109	NEW HAVEN CT	LIC C	BLCDT 19990416KI	10( ) I	7.900 342	D 19114	41-25-22 072-57-06	103.9	0.0 244.60	244.6 Short	244.6
WTNH 74109	NEW HAVEN CT	LIC C	BMPCD 19990422KE	10( ) I	20.500 342	N 41360	41-25-22 072-57-06	103.9	0.0 244.60	244.6 Short	244.6
DWTNH	NEW HAVEN CT	DTV		10( ) I	8.600 363	D	41-25-23 072-57-06	8.0	0.0 244.57	244.6 Short	244.6
WJAR 50780	PROVIDENCE RI	LIC C	BLCT 2395	10(+) I	316.000 305	N	41-51-54 071-17-15	69.9	147.1 97.51	244.6 Short	244.6
WTEN 74422	ALBANY NY	LIC C	BLCT 1285	10(-) I	316.000 305	D 19228	42-38-15 073-59-54	327.7	160.4 84.23	244.6 Short	244.6
WCAU 63153	PHILADELPHI PA	LIC C	BLCT 2139	10(Z) I	191.000 354	N	40-02-36 075-14-12	232.2	246.4 1.82	244.6 Close	244.6
WCAU 63153	PHILADELPHI PA	CP C	BPCT 20020910AA	10(Z) I	137.000 392	N 44418	40-02-30 075-14-11	232.2	246.5 1.92	244.6 Close	244.6
WWLP 6868	SPRINGFIELD MA	CP C	BPCDT 19991029AD	11( ) I	1.950 268	D 29290	42-05-05 072-42-14	15.5	76.4 33.65	20.0 Short	110.0
WWLP 6868	SPRINGFIELD MA	APP C	BMPCD 20010926AB	11( ) I	6.000 268	N 41258	42-05-05 072-42-14	15.5	76.4 33.65	20.0 Short	110.0
DWWLP	SPRINGFIELD MA	DTV		11( ) I	3.200 268	D	42-05-05 072-42-14	15.5	76.4 33.65	20.0 Short	110.0
WPIX 73881	NEW YORK NY	LIC C	BLCT 19810826KH	11(+) I	58.900 506	N	40-42-43 074-00-49	228.8	119.2 5.84	9.0 Short	125.0

Figure 4



## FCC PREDICTED COVERAGE CONTOURS

DTV STATION TNH-DT  
 NEW HAVEN, CONNECTICUT  
 CH 10 20.5 KW (MAX-DA) 342 M

du Treil, Lundin & Rackley, Inc., Sarasota, Florida

**du Treil, Lundin, and Rackley**

WTNH CP MOD - FMs within 16km

Coordinates: 41-25-22 072-57-06 Frequency Range: -

Range: 16

**CDBS FM Inquiry List**

Rec Type	Fac Id	Call	Status	Chan	Svc Class	Class	City	St	DA	Latitude	Longitude	ERP (kW)	HAAT (m)	RCAMSL (m)	Bear	Dist. (km)
C	46968	WPLR	LIC	256	FM	B	NEW HAVEN	CT	N	41-25-22	072-57-06	15.000	276.0	375.0	0.0	0.0
C	11930	WKCI-F	LIC	267	FM	B	HAMDEN	CT	N	41-26-01	072-56-45	12.000	279.0	379.0	22.0	1.3
C	54311	WQAQ	LIC	251	FM	D	HAMDEN	CT	N	41-25-10	072-53-41	0.016	-25.0	61.0	94.4	4.8
C	74322	WYBC-F	LIC	232	FM	A	NEW HAVEN	CT	D	41-20-59	072-58-23	3.000	144.0	215.0	192.4	8.3
C	10861	WWEB	LIC	210	FM	D	WALLINGFORD	CT		41-27-34	072-48-48	0.015	-5.0	78.0	70.5	12.3
C	69070	WNHU	LIC	204	FM	A	WEST HAVEN	CT	N	41-17-29	072-57-40	1.700	49.0	79.0	183.1	14.6
C	43530	WRXC	LIC	211	FM	A	SHELTON	CT	N	41-21-43	073-06-48	0.045	147.0	262.0	243.4	15.1

***du Treil, Lundin, and Rackley***

***WTNH CP MOD - Full Service NTSCs within 16 km***

***Coordinates: 41-25-22 072-57-06***

***Channel Range: -***

***Range: 16***

***CDBS Tv Inquiry List***

<b><i>Rec Type</i></b>	<b><i>Facility Id</i></b>	<b><i>Call</i></b>	<b><i>Status</i></b>	<b><i>Chan</i></b>	<b><i>Svc Class</i></b>	<b><i>Class</i></b>	<b><i>City</i></b>	<b><i>St</i></b>	<b><i>DA</i></b>	<b><i>Latitude</i></b>	<b><i>Longitude</i></b>	<b><i>ERP (kW)</i></b>	<b><i>HAAT (m)</i></b>	<b><i>RCAMSL (m)</i></b>	<b><i>Bearing</i></b>	<b><i>Dist. (km)</i></b>
C	74109	WTNH	LIC	8	TV		NEW HAVEN	CT	N	41-25-22	072-57-06	174.000	364	460	0	0
C	33081	WCTX	LIC	59	TV		NEW HAVEN	CT	N	41-25-23	072-57-06	5000.00	314	413	8.910	0.03
C	13595	WEDY	LIC	65	TV		NEW HAVEN	CT	N	41-19-42	072-54-25	7.940	82	133	160.4	11.14
C	14050	WTXX	LIC	20	TV		WATERBURY	CT		41-31-04	073-01-07	2240.00	366	522	332.1	11.94
C	70493	WSAH	LIC	43	TV		BRIDGEPORT	CT	D	41-21-43	073-06-48	2290.00	156	272	243.4	15.11