

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
DTV CONSTRUCTION PERMIT
FCC FILE NO. BPCDT-19991018AAQ
STATION WANE-DT
FACILITY ID 39270
FORT WAYNE, INDIANA
CH 31 1000 KW 242 M

Technical Narrative

This Technical Exhibit supports an application for modification of the construction permit for WANE-DT at Fort Wayne, Indiana. Station WANE-DT is presently authorized by outstanding construction permit (BPCDT-19991018AAQ, Facility ID 39270) to operate on DTV channel 4 with a directional antenna maximum effective radiated power (ERP) of 1.5 kilowatts (kW) and a antenna radiation center height above average terrain (HAAT) of 243 meters. By means of this instant application it is proposed to modify the WANE-DT construction permit to specify operation on DTV channel 31 at Fort Wayne. In MB Docket No.01-302 (RM-10333, adopted September 4, 2002, released September 10, 2002), the FCC substituted channel 31 for WANE-DT's assigned DTV channel 4. The FCC assigned a non-directional ERP of 82 kW and an HAAT of 253 meters for the DTV allotment.

Specifically, WANE-DT proposes to operate on DTV channel 31 from its existing tower located at N41°05'38", W85°10'48". The antenna structure registration number is 1027622. It is proposed to operate with a directional DTV antenna system maximum ERP of 1000 kW and an HAAT of 242 meters. A Dielectric type TFU-30DSC-R 4C160 directional antenna will be side-mounted at the 235 meter level on the existing tower. Figure 1 provides the horizontal and vertical plane radiation patterns for the proposed Dielectric type TFU-30DSC-R 4C160, horizontally polarized, directional antenna system.

Response to Paragraph 11 - NTSC/DTV Allocation Considerations

Figure 2 is the separation study for DTV channel 31 from the proposed WANE-DT site. The study has been used to determine the assignments requiring interference studies using the procedures outlined in the FCC's OET-69 bulletin.

Interference calculations for the proposed WANE-DT DTV operation are summarized below.

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).¹ Interference calculations for the proposed WANE-DT DTV operation are summarized below. It is noted that the summary only includes stations with which interference (masked or unmasked) is calculated.

Protected NTSC/DTV Station	FCC Service Population	Current Interference	Proposed <i>Unique</i> Interference Population*
WSBT-DT DTV Ch. 30 (Allotment) South Bend, IN	1,377,803	0.0%	27,494 (1.99%)
WFLD-DT, DTV Ch. 31 (Application) Chicago, IL	8,331,164	0.0%	1,217 (0.02%)
WFLD-DT, DTV Ch. 31 (Allotment) Chicago, IL	8,331,164	0.0%	490 (0.01%)
WFLD-DT, DTV Ch. 31 (License) Chicago, IL	8,331,164	0.0%	7,043 (0.09%)
WPXD, NTSC Ch. 31 (License) Ann Arbor, MI	4,387,239	4.1%	44,515 (1.02%)
WKRC-DT, DTV Ch. 31 (Allotment) Cincinnati, OH	2,799,587	8.1%	15,963 (0.57%)
WJW-DT, DTV Ch. 31 (CP) Cleveland, OH	3,938,258	0.0%	175 (0.00%)
WJW-DT, DTV Ch. 31 (Allotment) Cleveland, OH	3,938,258	0.0%	180 (0.01%)
WNDY-DT, DTV Ch. 32, (CP) Marion, IN	1,848,599	0.0%	21,794 (1.18%)
WNDY-DT, DTV Ch. 32, (Allotment) Marion, IN	1,848,599	0.0%	846 (0.05%)

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

¹ 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. A Sun 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.

From the above, it is apparent that the proposed WANE-DT DTV operation on channel 31 complies with the FCC's 2%/10% interference standard towards all authorized NTSC (analog) and DTV assignments.

Class A Allocation Considerations

A study has been conducted which indicates that the WANE-DT proposal will not create prohibited interference to other existing, authorized or proposed Class A stations with the exceptions of the licensed (BLTTL-19950223IJ) and authorized (CP, BPTTL-20001128AAV) operations of WKOG-LP on channel 31 at Indianapolis, IN. However, based on the provisions of the OET-69 Bulletin as permitted by FCC rules [Section 73.623(5)(iii)] it is believed that WANE-DT's proposed operation complies with the FCC's interference criteria towards these stations. Specifically, calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 2 square kilometer grid. The results of the OET Bulletin No. 69 are summarized below and, as indicated, the proposal complies with the FCC's 0.5% interference threshold.

Protected Class A Station	FCC Service Population	Proposed Interference Population
WKOG-LP, NTSC Ch. 31 (License) Indianapolis, IN	625,392	0(0.0%)
WKOG-LP, NTSC Ch. 31 (CP) Indianapolis, IN	557,229	0 (0.0%)

Response to Paragraph 12 - City Coverage

Figure 3 is a map showing the predicted 41 dBu and 4848 dBu, F(50,90), coverage contours. The Fort Wayne city limits were derived from information contained in the 2000 U.S. Census for Indiana. As indicated, all of Fort Wayne is located within the proposed 48 dBu contour. The distances to the predicted contours were determined in accordance with the provisions of Section 73.625. 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 transmitter site is located 195.1 kilometers from the closest point of the Canadian border, or 204.9 kilometers within the US/Canadian border area. Hence, coordination of the proposed WANE-DT operation on channel 31 with Canada will be necessary. It is noted that the proposed WANE-DT operation complies with the requirements of the distance tables in Appendix 2 of the Letter of Understanding (LOU) between the FCC and Industry Canada.²

Objectionable Interference

There are no known authorized full service AM stations within 5 kilometers (3 miles) of the proposed transmitter site. Figure 4 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 existing site is more than 1929 kilometers from the closest point of the Mexican border. The closest FCC monitoring station is located at Allegan, MI more than 179 kilometers to the northwest. The closest point of the National Radio Quiet Zone (VA/WV) is more than 447 kilometers to the east-southeast. The closest point of the Table Mountain Radio Quiet Zone (CO) is more than 1691 kilometers to the west. The closest radio astronomy site operating on TV channel 37 is at North Liberty, Iowa, located more than 538 kilometers to the west. It is believed that these separations are sufficient to not be a concern for coordination purposes.

Response to Paragraph 13 - Environmental Protection Act

The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level

² See Letter of "Understanding Between the Federal Communications Commission of the United States of American and Industry Canada Related to the Use of the 54-72 MHz, 76-88 MHz, 174-216 MHz and 470-806 MHz Bands for the Digital Television Broadcasting Service Along the Common Border".

to workers and the general public. The radiation center for the proposed DTV antenna is located 235 meters above ground level. The maximum DTV ERP is 1000 kW (horizontal polarization). As shown on Sheet 4 of Figure 1, the vertical plane relative field values for the proposed antenna do not exceed 0.1 towards the tower base (-60° to -90° elevation). Therefore, presuming a "worst case" vertical plane relative field value of 0.1 for angles towards the tower base, the calculated power density at a point 2 meters above ground level is 0.0062 mW/cm^2 . This is 1.6% of the FCC's recommended limit of 0.3816 mW/cm^2 for TV channel 31 for an "uncontrolled" environment. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with warning signs. Furthermore, as this is a multi-user site, an agreement will be in effect with the other stations in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing or scheduling work when the stations are at reduced power or shut down.

If there are questions concerning the technical portion of this application, please contact the office of the undersigned.

W. Jeffrey Reynolds

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(941) 329-6000
JEFF@DLR.COM

October 1, 2002



Proposal Number		Revision	
Date	24 Sep 2002		
Call Letters	WANE-DT	Channel	31
Location	Ft. Wayne, IN		
Customer			
Antenna Type	TFU-30DSC-R 4C160		

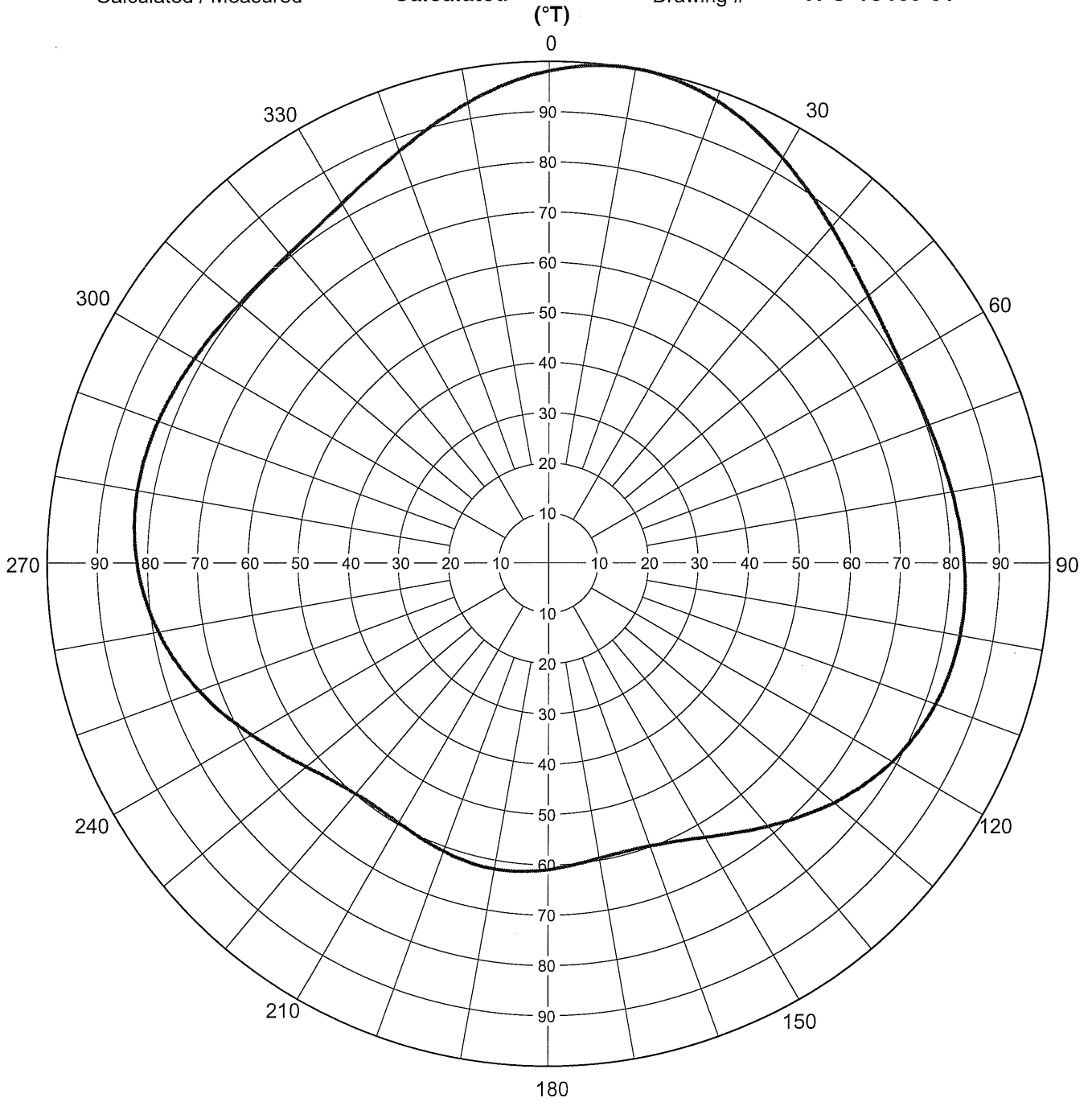
AZIMUTH PATTERN

RMS Gain at Main Lobe
Calculated / Measured

1.60 (2.04 dB)
Calculated

Frequency
Drawing #

575 MHz
TFU-4C160-31



Remarks:

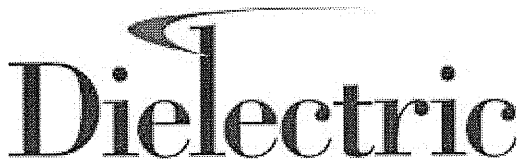


Figure 1
Sheet 2 of 5

Proposal Number
Date **24 Sep 2002**
Call Letters **WANE-DT** Channel **31**
Location **Ft. Wayne, IN**
Customer
Antenna Type **TFU-30DSC-R 4C160**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **TFU-4C160-31**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.981	45	0.849	90	0.829	135	0.713	180	0.610	225	0.611	270	0.821	315	0.803
1	0.984	46	0.844	91	0.830	136	0.707	181	0.611	226	0.614	271	0.823	316	0.803
2	0.988	47	0.840	92	0.831	137	0.701	182	0.613	227	0.618	272	0.825	317	0.804
3	0.990	48	0.836	93	0.832	138	0.695	183	0.614	228	0.621	273	0.827	318	0.804
4	0.993	49	0.832	94	0.832	139	0.689	184	0.615	229	0.626	274	0.828	319	0.805
5	0.995	50	0.828	95	0.833	140	0.683	185	0.616	230	0.630	275	0.829	320	0.806
6	0.997	51	0.825	96	0.833	141	0.677	186	0.616	231	0.635	276	0.831	321	0.807
7	0.998	52	0.822	97	0.833	142	0.672	187	0.617	232	0.639	277	0.831	322	0.809
8	0.999	53	0.819	98	0.833	143	0.666	188	0.618	233	0.644	278	0.832	323	0.810
9	1.000	54	0.817	99	0.833	144	0.660	189	0.618	234	0.649	279	0.833	324	0.812
10	1.000	55	0.814	100	0.833	145	0.655	190	0.618	235	0.655	280	0.833	325	0.814
11	1.000	56	0.812	101	0.833	146	0.649	191	0.618	236	0.660	281	0.833	326	0.817
12	0.999	57	0.810	102	0.832	147	0.644	192	0.618	237	0.666	282	0.833	327	0.819
13	0.998	58	0.809	103	0.831	148	0.639	193	0.617	238	0.672	283	0.833	328	0.822
14	0.997	59	0.807	104	0.831	149	0.635	194	0.616	239	0.677	284	0.833	329	0.825
15	0.995	60	0.806	105	0.829	150	0.630	195	0.616	240	0.683	285	0.833	330	0.828
16	0.993	61	0.805	106	0.828	151	0.626	196	0.615	241	0.689	286	0.832	331	0.832
17	0.990	62	0.804	107	0.827	152	0.621	197	0.614	242	0.695	287	0.832	332	0.836
18	0.988	63	0.804	108	0.825	153	0.618	198	0.613	243	0.701	288	0.831	333	0.840
19	0.984	64	0.803	109	0.823	154	0.614	199	0.611	244	0.707	289	0.830	334	0.844
20	0.981	65	0.803	110	0.821	155	0.611	200	0.610	245	0.713	290	0.829	335	0.849
21	0.977	66	0.803	111	0.819	156	0.608	201	0.608	246	0.718	291	0.828	336	0.853
22	0.973	67	0.804	112	0.816	157	0.605	202	0.607	247	0.724	292	0.827	337	0.858
23	0.968	68	0.804	113	0.814	158	0.602	203	0.605	248	0.730	293	0.826	338	0.863
24	0.964	69	0.804	114	0.811	159	0.600	204	0.604	249	0.736	294	0.824	339	0.869
25	0.959	70	0.805	115	0.808	160	0.599	205	0.602	250	0.741	295	0.823	340	0.874
26	0.954	71	0.806	116	0.805	161	0.597	206	0.601	251	0.747	296	0.822	341	0.880
27	0.949	72	0.807	117	0.801	162	0.596	207	0.600	252	0.752	297	0.820	342	0.885
28	0.943	73	0.808	118	0.798	163	0.595	208	0.598	253	0.757	298	0.819	343	0.891
29	0.938	74	0.809	119	0.794	164	0.594	209	0.597	254	0.762	299	0.818	344	0.897
30	0.932	75	0.810	120	0.790	165	0.594	210	0.596	255	0.767	300	0.816	345	0.903
31	0.926	76	0.811	121	0.786	166	0.594	211	0.595	256	0.772	301	0.815	346	0.909
32	0.920	77	0.812	122	0.781	167	0.594	212	0.595	257	0.777	302	0.814	347	0.914
33	0.914	78	0.814	123	0.777	168	0.595	213	0.594	258	0.781	303	0.812	348	0.920
34	0.909	79	0.815	124	0.772	169	0.595	214	0.594	259	0.786	304	0.811	349	0.926
35	0.903	80	0.816	125	0.767	170	0.596	215	0.594	260	0.790	305	0.810	350	0.932
36	0.897	81	0.818	126	0.762	171	0.597	216	0.594	261	0.794	306	0.809	351	0.938
37	0.891	82	0.819	127	0.757	172	0.598	217	0.595	262	0.798	307	0.808	352	0.943
38	0.885	83	0.820	128	0.752	173	0.600	218	0.596	263	0.801	308	0.807	353	0.949
39	0.880	84	0.822	129	0.747	174	0.601	219	0.597	264	0.805	309	0.806	354	0.954
40	0.874	85	0.823	130	0.741	175	0.602	220	0.599	265	0.808	310	0.805	355	0.959
41	0.869	86	0.824	131	0.736	176	0.604	221	0.600	266	0.811	311	0.804	356	0.964
42	0.863	87	0.826	132	0.730	177	0.605	222	0.602	267	0.814	312	0.804	357	0.968
43	0.858	88	0.827	133	0.724	178	0.607	223	0.605	268	0.816	313	0.804	358	0.973
44	0.853	89	0.828	134	0.718	179	0.608	224	0.608	269	0.819	314	0.803	359	0.977

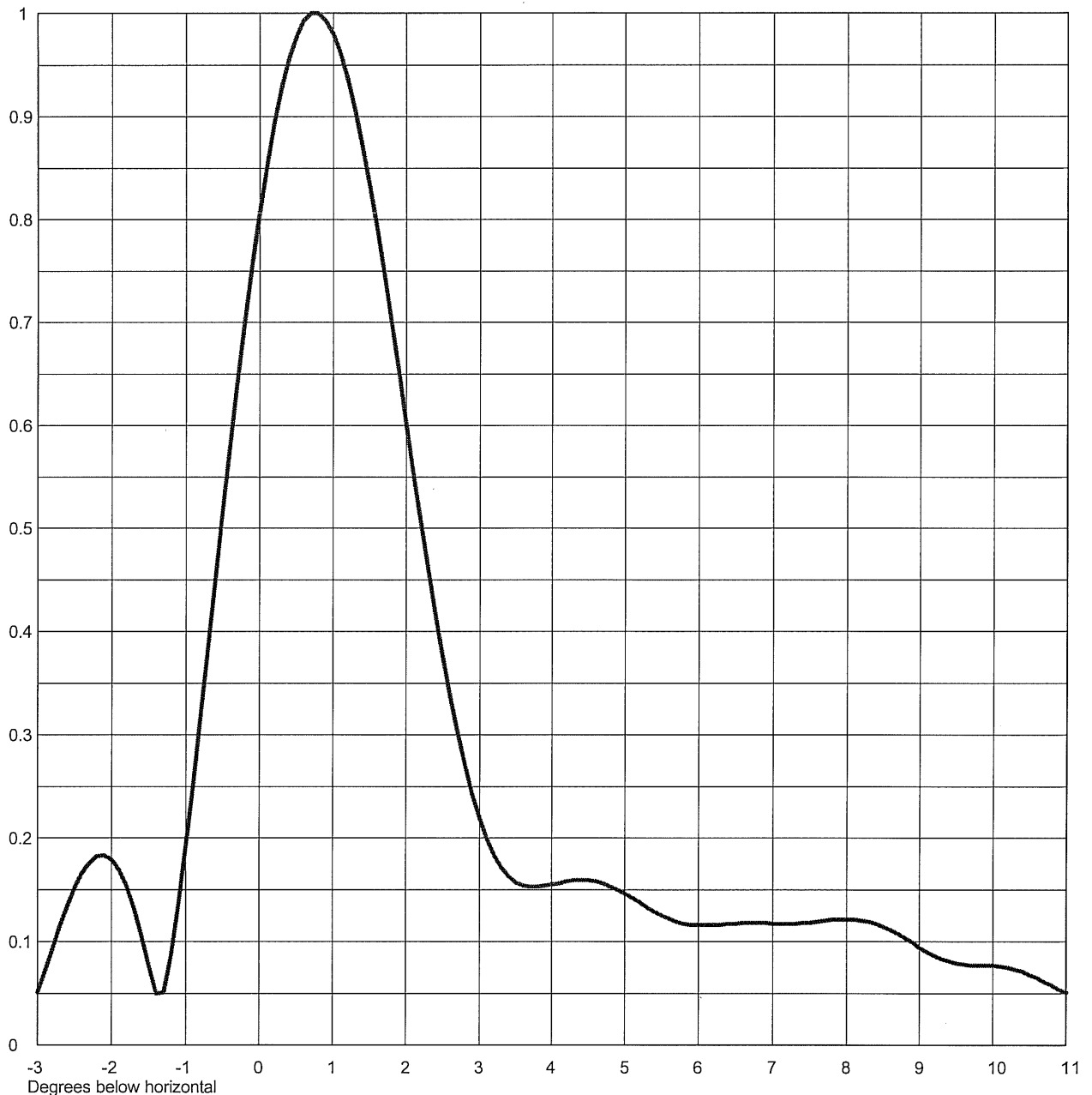
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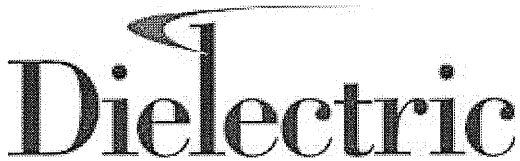
Proposal Number		Revision
Date	01 Oct 2002	
Call Letters	WANE-DT	Channel 31
Location	Ft. Wayne, IN	
Customer		
Antenna Type	TFU-30DSC-R 4C160	

ELEVATION PATTERN

RMS Gain at Main Lobe	25.5 (14.07 dB)	Beam Tilt	0.75 Degrees
RMS Gain at Horizontal	16.6 (12.20 dB)	Frequency	575.00 MHz
Calculated / Measured	Calculated	Drawing #	30Q255075



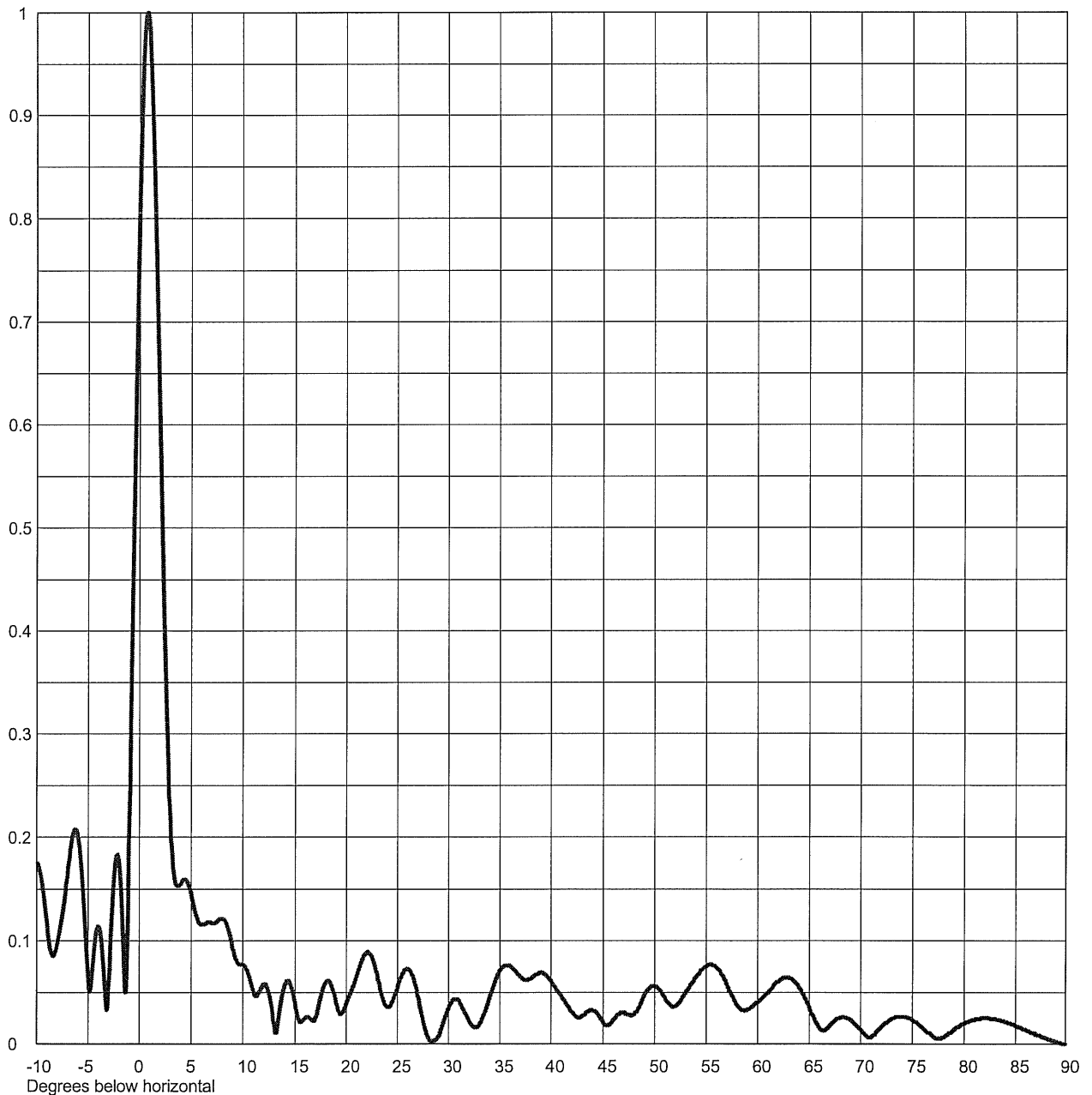
Remarks:



Proposal Number		Revision	
Date	01 Oct 2002		
Call Letters	WANE-DT	Channel	31
Location	Ft. Wayne, IN		
Customer			
Antenna Type	TFU-30DSC-R 4C160		

ELEVATION PATTERN

RMS Gain at Main Lobe	25.5 (14.07 dB)	Beam Tilt	0.75 Degrees
RMS Gain at Horizontal	16.6 (12.20 dB)	Frequency	575.00 MHz
Calculated / Measured	Calculated	Drawing #	30Q255075



Remarks:



Proposal Number
Date 01 Oct 2002
Call Letters WANE-DT
Location Ft. Wayne, IN
Customer
Antenna Type TFU-30DSC-R 4C160

Revision
Channel 31

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # 30Q255075

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.176	2.4	0.416	10.6	0.065	30.5	0.043	51.0	0.044	71.5	0.010
-9.5	0.157	2.6	0.336	10.8	0.058	31.0	0.042	51.5	0.038	72.0	0.016
-9.0	0.116	2.8	0.270	11.0	0.051	31.5	0.033	52.0	0.037	72.5	0.020
-8.5	0.086	3.0	0.219	11.5	0.049	32.0	0.023	52.5	0.042	73.0	0.024
-8.0	0.097	3.2	0.183	12.0	0.058	32.5	0.016	53.0	0.049	73.5	0.026
-7.5	0.125	3.4	0.163	12.5	0.047	33.0	0.018	53.5	0.057	74.0	0.026
-7.0	0.163	3.6	0.154	13.0	0.017	33.5	0.029	54.0	0.064	74.5	0.025
-6.5	0.200	3.8	0.153	13.5	0.030	34.0	0.044	54.5	0.071	75.0	0.023
-6.0	0.202	4.0	0.155	14.0	0.057	34.5	0.059	55.0	0.075	75.5	0.020
-5.5	0.149	4.2	0.158	14.5	0.059	35.0	0.071	55.5	0.077	76.0	0.016
-5.0	0.065	4.4	0.159	15.0	0.040	35.5	0.076	56.0	0.074	76.5	0.011
-4.5	0.078	4.6	0.158	15.5	0.021	36.0	0.076	56.5	0.067	77.0	0.007
-4.0	0.114	4.8	0.153	16.0	0.025	36.5	0.071	57.0	0.058	77.5	0.005
-3.5	0.075	5.0	0.146	16.5	0.024	37.0	0.065	57.5	0.047	78.0	0.006
-3.0	0.051	5.2	0.138	17.0	0.025	37.5	0.062	58.0	0.038	78.5	0.010
-2.8	0.093	5.4	0.129	17.5	0.045	38.0	0.063	58.5	0.033	79.0	0.014
-2.6	0.134	5.6	0.122	18.0	0.060	38.5	0.067	59.0	0.033	79.5	0.017
-2.4	0.166	5.8	0.117	18.5	0.057	39.0	0.069	59.5	0.036	80.0	0.020
-2.2	0.182	6.0	0.116	19.0	0.040	39.5	0.067	60.0	0.040	80.5	0.022
-2.0	0.179	6.2	0.116	19.5	0.029	40.0	0.061	60.5	0.045	81.0	0.023
-1.8	0.154	6.4	0.117	20.0	0.039	40.5	0.053	61.0	0.050	81.5	0.024
-1.6	0.106	6.6	0.118	20.5	0.052	41.0	0.046	61.5	0.055	82.0	0.025
-1.4	0.050	6.8	0.118	21.0	0.066	41.5	0.039	62.0	0.060	82.5	0.024
-1.2	0.087	7.0	0.117	21.5	0.080	42.0	0.031	62.5	0.064	83.0	0.024
-1.0	0.193	7.2	0.117	22.0	0.088	42.5	0.026	63.0	0.064	83.5	0.023
-0.8	0.316	7.4	0.118	22.5	0.084	43.0	0.027	63.5	0.061	84.0	0.021
-0.6	0.447	7.6	0.119	23.0	0.067	43.5	0.031	64.0	0.055	84.5	0.020
-0.4	0.577	7.8	0.121	23.5	0.046	44.0	0.033	64.5	0.046	85.0	0.018
-0.2	0.699	8.0	0.121	24.0	0.036	44.5	0.029	65.0	0.036	85.5	0.016
0.0	0.807	8.2	0.120	24.5	0.041	45.0	0.021	65.5	0.025	86.0	0.014
0.2	0.894	8.4	0.117	25.0	0.054	45.5	0.018	66.0	0.016	86.5	0.011
0.4	0.957	8.6	0.111	25.5	0.067	46.0	0.023	66.5	0.013	87.0	0.009
0.6	0.993	8.8	0.103	26.0	0.073	46.5	0.029	67.0	0.017	87.5	0.007
0.8	1.000	9.0	0.094	26.5	0.066	47.0	0.030	67.5	0.022	88.0	0.005
1.0	0.980	9.2	0.086	27.0	0.047	47.5	0.028	68.0	0.025	88.5	0.003
1.2	0.936	9.4	0.081	27.5	0.025	48.0	0.029	68.5	0.025	89.0	0.002
1.4	0.870	9.6	0.078	28.0	0.007	48.5	0.036	69.0	0.023	89.5	0.001
1.6	0.789	9.8	0.077	28.5	0.003	49.0	0.047	69.5	0.019	90.0	0.000
1.8	0.697	10.0	0.077	29.0	0.006	49.5	0.054	70.0	0.014		
2.0	0.601	10.2	0.075	29.5	0.020	50.0	0.056	70.5	0.008		
2.2	0.506	10.4	0.071	30.0	0.034	50.5	0.052	71.0	0.006		

Remarks:

DTV to NTSC Separation Study

Job Title : Proposed WANE-DT, Ch. 31, Fort Wayne, IN Separation Buffer 32 km
Zone : 1 FCC TV DB Date : 09/24/02
Channel 31 (572-578 MHz) Coordinates : 41-05-38 85-10-48

Call Status	City St	FCC File No.	Channel Zone	ERP(kW) HAAT(m)	Latitude Longitude	Bear. True	Dist. (km)	Req. (km)
WNDU-T LIC	SOUTH BEND IN BLCT	-19990216	16(o) I	5000 326	41-36-20 86-12-46	303.8	103.45 22.95	24.1/80.5 CLEAR
WNDY-T LIC	MARION IN BLCT	-19990430	23(o) I	5000 DA 294	40-08-57 85-56-15	211.6	122.95 42.45	24.1/80.5 CLEAR
WBGU-T LIC	BOWLING GREEN OH BLET	-19860808	*27(+) I	1000 320	41-08-13 83-54-23	87.0	107.09 26.59	24.1/80.5 CLEAR
WSJV LIC	ELKHART IN BLCT	-19991223	28(+) I	5000 DA 335	41-36-58 86-11-38	304.8	102.78 22.28	24.1/80.5 CLEAR
WTTK LIC	KOKOMO IN BLCT	-19880523	29(-) I	3090 DA 236	40-20-20 85-57-15	218.1	106.35 25.85	24.1/80.5 CLEAR
WTTK CP	KOKOMO IN BPCT	-19960621	29(-) I	5000 DA 236	40-20-20 85-57-15	218.1	106.35 25.85	24.1/80.5 CLEAR
WPXD LIC	ANN ARBOR MI BLCT	-20001005	31(+) I	2880 329	42-22-25 84-04-10	32.6	169.54 -47.76	217.3 SHORT
WKJG-T LIC	FORT WAYNE IN BLCT	-19800410	33(-) I	589 235	41-05-40 85-10-36	77.5	0.30 23.80	24.1/80.5 CLEAR
WNIT LIC	SOUTH BEND IN BLET	-19910307	*34(-) I	1380 246	41-36-59 86-11-43	304.8	102.90 22.40	24.1/80.5 CLEAR
WLIO LIC	LIMA OH BLCT	-19890519	35(-) I	661 165	40-44-54 84-07-55	113.2	96.28 15.78	24.1/80.5 CLOSE
WFWA LIC	FORT WAYNE IN BLET	-19920131	*39(-) I	1380 223	41-06-13 85-11-28	319.3	1.44 22.66	24.1/80.5 CLEAR
WHME-T LIC	SOUTH BEND IN BLCT	-2590	46(o) I	1120 305	41-35-43 86-09-38	304.6	99.19 18.69	24.1/80.5 CLEAR

** End of TV Separation Study for Channel 31 **

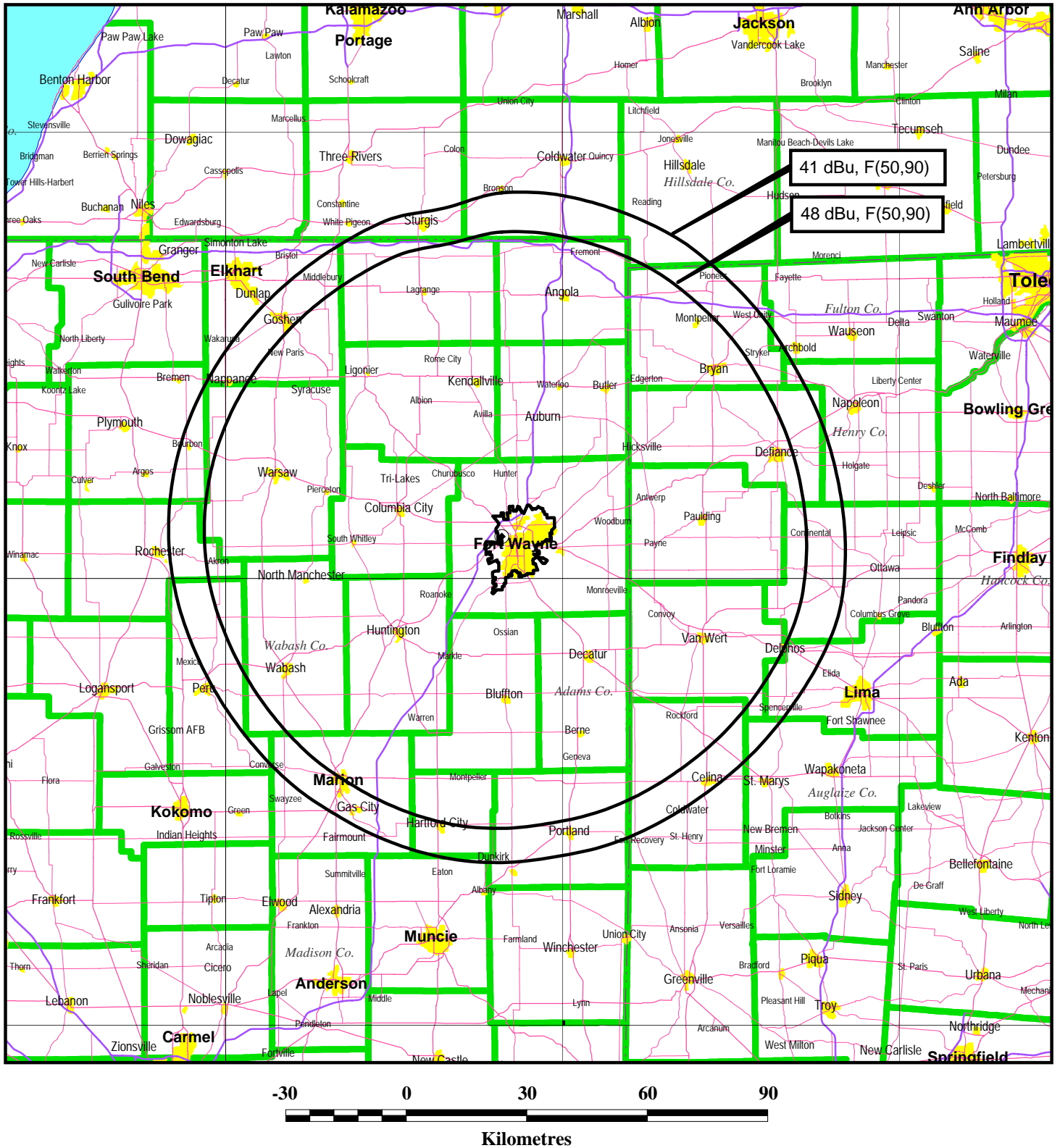
DTV to DTV Separation Study

Job Title : Proposed WANE-DT, Ch. 31, Fort Wayne, IN Separation Buffer 32 km
Zone : 1 FCC DTV DB Date: 09/24/02
Channel 31 (572-578 MHz) Coordinates : 41-05-38 85-10-48

Call	City	Channel	ERP(kW)	Latitude	Bear.	Dist.	Req.
Status	St	FCC File No.	Zone	HAAT(m)	Longitude	True (km)	(km)
DWSBTTV	SOUTH BEND	30	242.3	41-37-00	304.2	104.41	24.0/110.0
DTVALT	IN	I	325	86-13-01		-5.59	SHORT
WSBT-DT	SOUTH BEND	30	400	41-37-00	304.2	104.41	24.0/110.0
CP MOD	IN BPCDT-20000705	I	239	86-13-01		-5.59	SHORT
DWANE-T	FORT WAYNE	31	82	41-05-38	0.0	0.00	
DTVALT	IN		253	85-10-48			
DWFLD	CHICAGO	31	218	41-53-56	294.6	222.73	196.3
DTVALT	IL	I	430	87-37-23		26.43	CLEAR
WFLD-DT	CHICAGO	31	690 DA	41-52-44	293.9	222.89	196.3
APP	IL BPCDT -20010604	I	475	87-38-10		26.59	CLEAR
WFLD-DT	CHICAGO	31	200 DA	41-52-44	293.9	222.89	196.3
LIC	IL BLCDT -19990728	I	475	87-38-10		26.59	CLEAR
DWKRCTV	CINCINNATI	31	839.3	39-06-58	165.1	227.10	196.3
DTVALT	OH	I	305	84-30-05		30.80	CLEAR
WKRC-DT	CINCINNATI	31	800	39-06-59	165.1	227.10	196.3
LIC	OH BLCDT -20010214	I	278	84-30-07		30.80	CLEAR
DWNDYTV	MARION	32	260.9	40-08-57	211.6	122.94	24.0/110.0
DTVALT	IN	I	295	85-56-15		12.94	CLOSE
WNDY-DT	MARION	32	1000 DA	40-08-57	211.6	122.94	24.0/110.0
CP	IN BPCDT -19991029	I	271	85-56-15		12.94	CLOSE

** End of DTV Separation Study for Channel 31 **

Figure 3



PREDICTED COVERAGE CONTOURS
DTV STATION WANE-DT
FORT WAYNE, INDIANA
CH 31 1000 KW (MAX-DA) 242 M

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

du Treil, Lundin, and Rackley**Figure 4, Sheet 1 of 2****Proposed WANE-DT Ch. 31, Fort Wayne, IN****Coordinates: 410538****851048****Frequency Range: -****Range: 16**

Date: 10/1/2002

CDBS FM Inquiry List

Page: 1

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	53745	WBNI-F	LIC	206	FM	B	FORT WAYNE	IN	D	41-06-13	085-10-44	34.000	184.0	429.0	5.0	1.1
C	22287	WNHT	LIC	242	FM	B1	CHURUBUSCO	IN	N	41-06-13	085-10-44	6.700	169.0	414.0	5.0	1.1
C	59132	WAJI	LIC	236	FM	B	FORT WAYNE	IN	N	41-06-13	085-11-28	39.000	207.0	453.0	319.3	1.4
C	64658	WBCL	LIC	212	FM	B	FORT WAYNE	IN		41-06-13	085-11-46	50.000	140.0	391.0	308.7	1.7
C	18662	WFWI	LIC	222	FM	A	FORT WAYNE	IN	N	41-06-25	085-11-46	2.700	147.0	398.0	317.1	2.0
C	56765	WXKE	LIC	280	FM	A	FORT WAYNE	IN	N	41-06-32	085-09-55	3.000	100.0	347.0	36.5	2.1
C	28467	WLAB	CP	202	FM	B1	FORT WAYNE	IN	D	41-06-33	085-11-42	2.400	215.0	462.0	323.5	2.1
C	51726	WMEE	LIC	247	FM	B	FORT WAYNE	IN	N	41-06-42	085-11-43	26.000	210.0	457.0	327.1	2.4
C	28467	WLAB	LIC	202	FM	B1	FORT WAYNE	IN	D	41-05-58	085-08-43	7.000	104.0	349.0	78.0	3.0
C	59134	WLDE	LIC	269	FM	A	FORT WAYNE	IN		41-05-02	085-04-39	3.000	100.0	341.0	97.3	8.7
C	1065	WJFX	LIC	300	FM	A	NEW HAVEN	IN	D	41-01-26	085-03-51	3.200	138.0	376.0	128.7	12.5
C	22106	WBTU	CP	227	FM	B1	KENDALLVILLE	IN	N	41-12-49	085-12-04	18.500	117.0	375.0	352.4	13.4
C	61430	WCYT	APP	216	FM	A	LAFAYETTE	IN		40-58-51	085-16-48	0.720	69.0	311.0	213.7	15.1
C	61430	WCYT	LIC	216	FM	A	LAFAYETTE	IN	D	40-58-51	085-16-48	0.125	69.0	311.0	213.7	15.1
C	46434	WCKZ	LIC	231	FM	A	ROANOKE	IN	D	40-58-51	085-16-48	6.000	100.0	342.0	213.7	15.1
C	29204	WSHI	LIC	292	FM	A	COLUMBIA CITY	IN	N	41-06-25	085-21-34	1.950	124.0	379.0	275.6	15.1

du Treil, Lundin, and Rackley

Figure 4, Sheet 2 of 2

Proposed WANE-DT Ch. 31, Fort Wayne, IN

Coordinates: 410538 851048

Channel Range: -

Range: 16

Date: 10/1/2002

CDBS Tv Inquiry List

Page: 1

Rec Type	Facility Id	Call	Status	Chan	Svc Class	Class	City	St	DA	Latitude	Longitude	ERP (kW)	HAAT (m)	RCAMSL (m)	Bearing	Dist. (km)
C	39270	WANE-T	LIC	15	TV		FORT WAYNE	IN	N	41-05-38	085-10-48	2450.00	252	492	0	0
C	39270	WANE-T	APP	15	TV		FORT WAYNE	IN	D	41-05-38	085-10-48	437.000	253	493	0	0
C	13960	WKJG-T	LIC	33	TV		FORT WAYNE	IN		41-05-40	085-10-36	589.000	235	479	77.53	0.29
C	73905	WPTA	LIC	21	TV		FORT WAYNE	IN		41-06-08	085-11-04	562.000	226	475	338.0	1
C	73905	WPTA	CP	21	TV		FORT WAYNE	IN	N	41-06-07.9	085-11-04.9	562.000	224.4	470	336.9	1
C	22108	WFWA	LIC	39	TV		FORT WAYNE	IN	N	41-06-13	085-11-28	1380.00	223	468	319.2	1.43
C	25040	WFFT-T	LIC	55	TV		FT. WAYNE	IN	N	41-06-33	085-11-42	603.000	232	488	323.5	2.11
C	67485	W45AG	LIC	45	CA		FORT WAYNE	IN	D	41-05-58	085-08-43	5.800		357	78.00	2.98