

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
DTV CONSTRUCTION PERMIT
STATION WFTT-DT
FACILITY ID 60559
TAMPA, FLORIDA
CH 47 1000 KW (MAX-DA) 317 M

Technical Narrative

This Technical Exhibit supports an application for modification of the construction permit for WFTT-DT at Tampa, Florida. Station WFTT-DT is presently authorized by outstanding construction permit (BPCDT-19980806KH, Facility ID 60559) to operate on DTV channel 47 with a directional antenna maximum effective radiated power (ERP) of 1000 kilowatts and a antenna radiation center height above average terrain (HAAT) of 443 meters. By means of the application it is proposed to modify the WFTT-DT construction permit to change to a directional antenna system, decrease the HAAT, and slightly modify the transmitter site coordinates based on tower registration data. No other changes are proposed.

Specifically, WFTT-DT proposes to operate on DTV channel 47 from its authorized tower located at N $27^{\circ}50'32''$, W $82^{\circ}15'45''$. The antenna structure registration number is 1028292. It is proposed to operate with a directional DTV antenna system maximum ERP of 1000 kW and an HAAT of 317 meters.

Figure 1 is a sketch of the proposed antenna and supporting structure. Figure 2 provides the horizontal and vertical plane radiation patterns for the proposed Andrew (AND) model ATW30HS4-ESC1-47S, elliptically polarized, directional antenna system.

Response to Paragraph 11 - NTSC/DTV Allocation Considerations

Figure 3 is the separation study for DTV channel 47 from the proposed WFTT-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.

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 WFTT-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 Unique Interference Population*
WLCB-DT DTV Ch. 46 (Construction Permit) Leesburg, FL	1,425,859	0.0%	1,128 (0.1%)
WTEV-TV, NTSC Ch. 47 (License) Jacksonville, FL	1,019,251	0.1%	2,288 (0.2%)
WOPX-TV, NTSC Ch. 48 (Construction Permit) Melbourne, FL	2,116,888	0.0%	39,372 (1.9%)
WOPX-DT, DTV Ch. 48 (Allotment) Melbourne, FL	2,116,888	0.0%	475 (0.0%)

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

From the above, it is apparent that the proposed WFTT-DT DTV operation on channel 47 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 WFTT-DT proposal will not create prohibited interference to other existing, authorized or proposed Class A stations with the exceptions of W48AY on channel 48, Oldsmar, Florida (BLTTL-19950515IB). However, based on the provisions of the OET-69 Bulletin as permitted by FCC rules [Section 73.623(5)(iii)] it is believed that WFTT-DT's proposed operation complies with the FCC's interference criteria towards W48AY. Specifically, calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 1 square kilometer

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 1 km was employed. An Alpha based processor computer system was employed. The results have been found to be

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
W48AY, NTSC Ch. 48 (License) Oldsmar, FL	516,539	0 (0.0%)

Response to Paragraph 12 - City Coverage

Figure 4 is a map showing the predicted 41 dBu and 48 dBu, F(50,90), coverage contours. The Tampa city limits were derived from information contained in the 2000 U.S. Census for Florida. As indicated, all of Tampa 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.

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 1537 kilometers from the closest point of the Canadian border. The proposed transmitter site is located more than 838 kilometers from the closest point of the Mexican border. The closest FCC monitoring station is located at Vero Beach, Florida, more than 162 kilometers to the east. The closest point of the

National Radio Quiet Zone (VA/WV) is more than 1086 kilometers to the north. The closest point of the Table Mountain Radio Quiet Zone (CO) is more than 2507 kilometers to the northwest. The closest radio astronomy site operating on TV channel 37 is at Green Bank, West Virginia located more than 1198 kilometers to the north. 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 to workers and the general public. The radiation center for the proposed DTV antenna is located 315 meters above ground level. The maximum DTV ERP is 1000 kW (horizontal polarization) and 250 kW (vertical polarization). A "worst-case" vertical plane relative field value of 0.05 (for angles below 60 degrees downward) is assumed for the antenna's downward radiation (see Sheet 3 of Figure 2). Presuming a greater than expected vertical plane relative field value of 0.05 for angles towards the tower base (-60° to -90° elevation, see Sheet 3 of Figure 2), the calculated power density at a point 2 meters above ground level is 0.0011 mW/cm². This is 0.25% of the FCC's recommended limit of 0.44 mW/cm² for TV channel 47 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.

du Treil, Lundin & Rackley, Inc.

Consulting Engineers

Tampa, Florida

Page 5

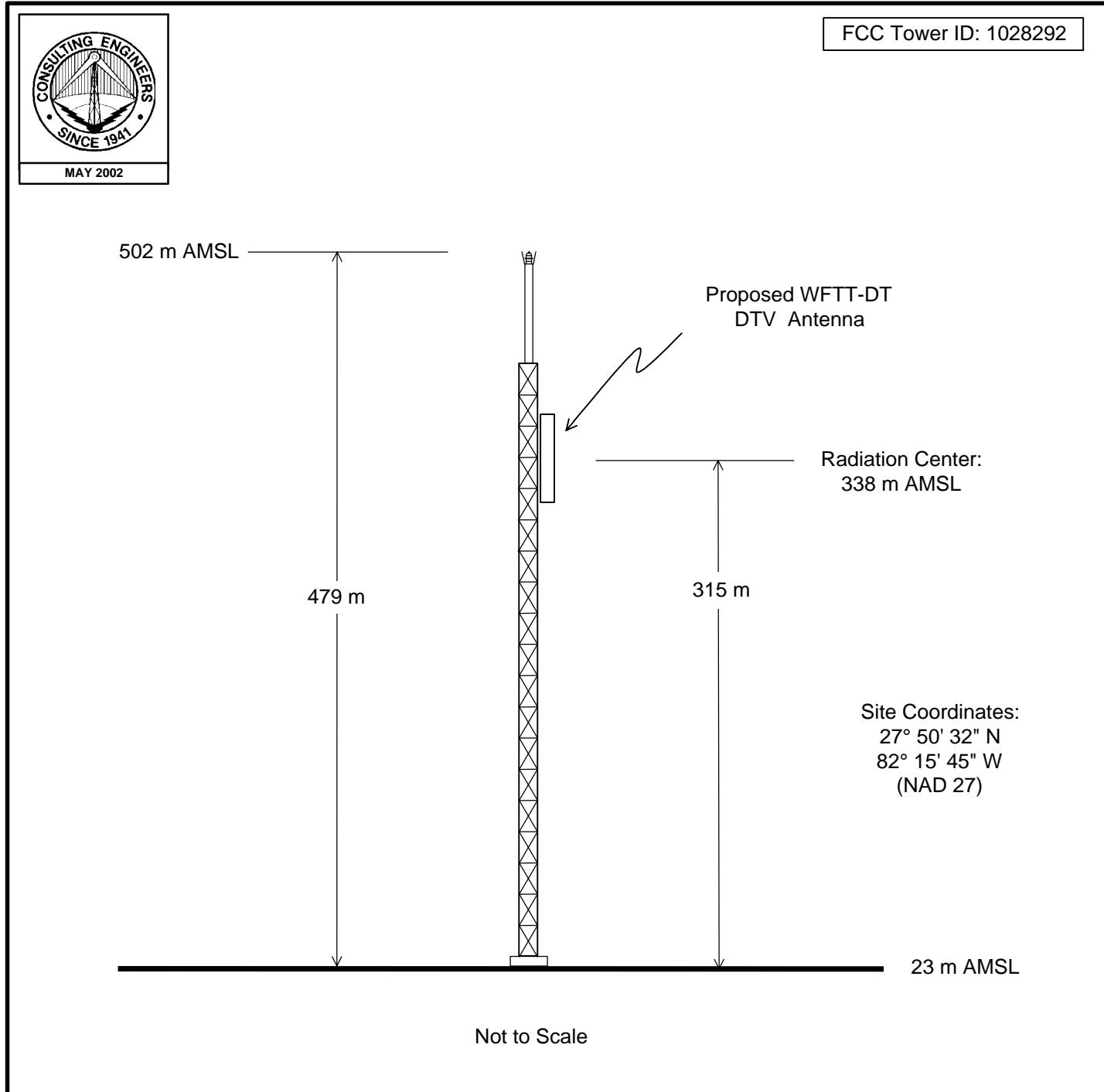
If there are questions concerning the technical portion of this application, please contact the office of the undersigned.

W. Jeffrey Reynolds

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237-6019
(941) 329-6000
JEFF@DLR.COM

May 20, 2002

Figure 1



PROPOSED ANTENNA AND SUPPORTING STRUCTURE

DTV STATION WFTT-DT

TAMPA, FLORIDA

CH 47 1000 KW (MAX-DA) 317 M

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

Figure 2
Sheet 1 of 4

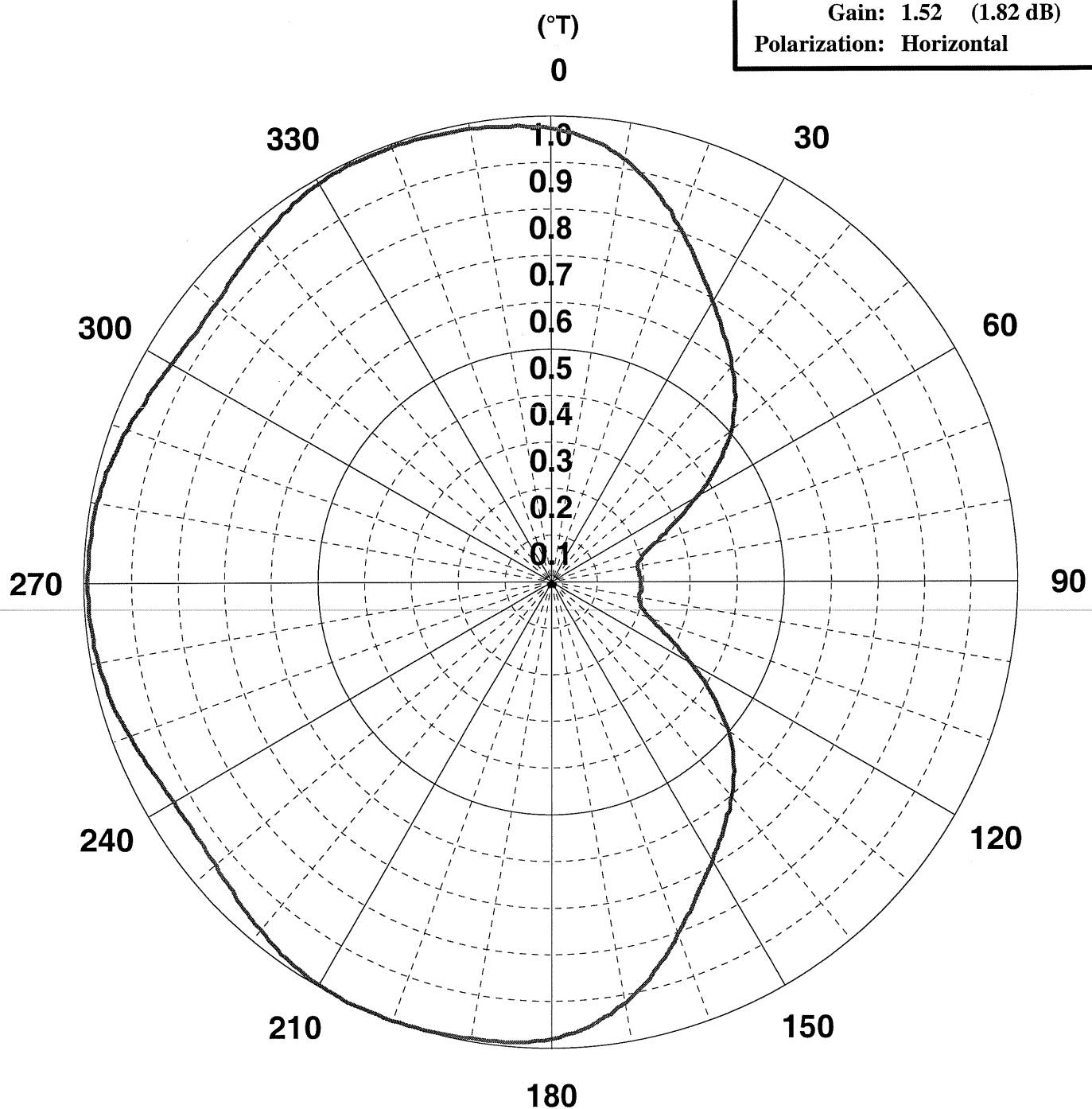

ANDREW

Channel: 47

Type: ATW-C1

Gain: 1.52 (1.82 dB)

Polarization: Horizontal



ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

Company:
Site:
Proposal Number:

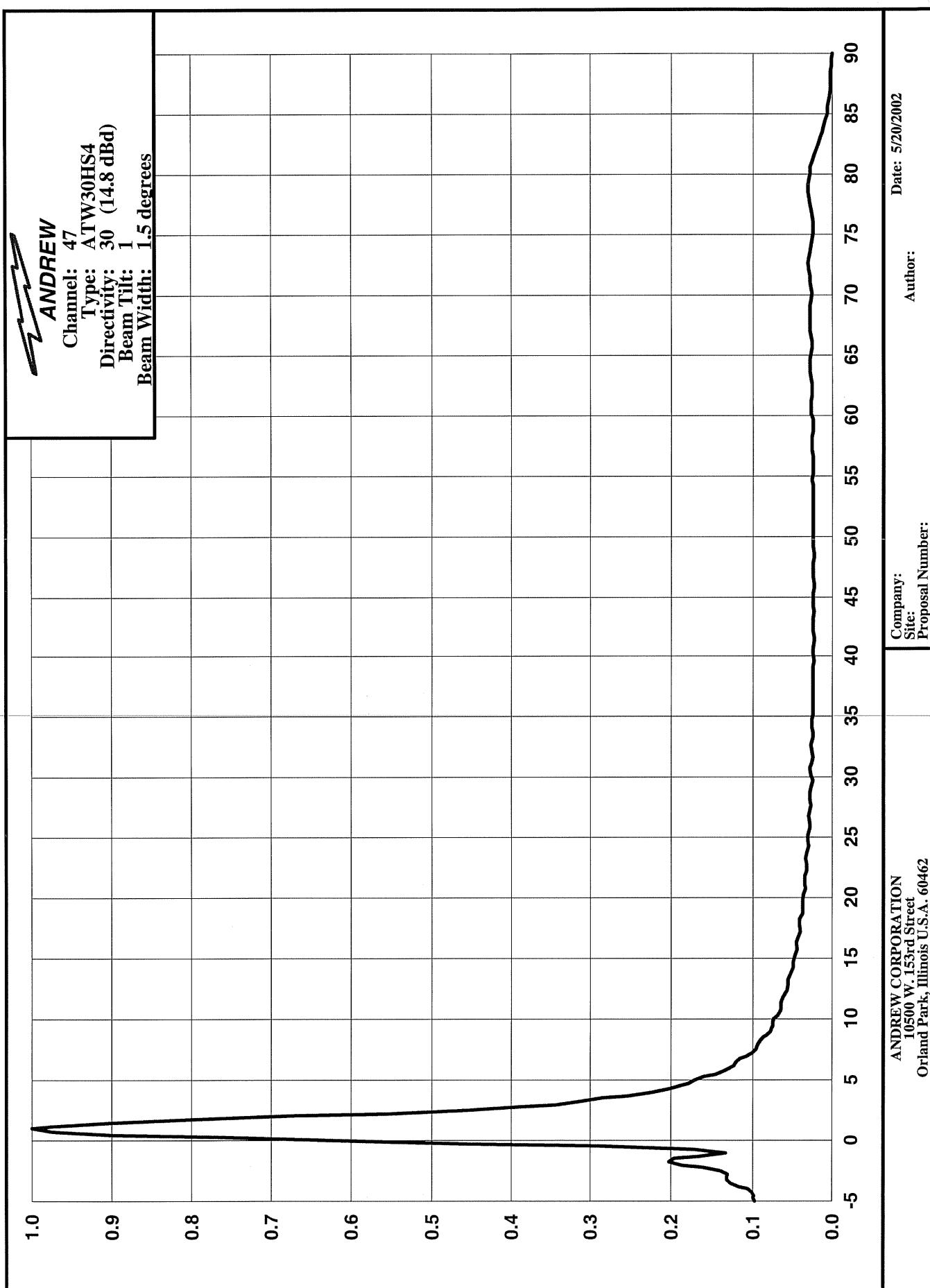
Date: 5/20/2002
Author:



Figure 2
Sheet 2 of 4

Angle	Amp	dB	Angle	Amp	dB	Angle	Amp	dB	Angle	Amp	dB	Angle	Amp	dB
0	0.974	-0.23	72	0.219	-13.19	144	0.637	-3.92	216	0.984	-0.14	288	0.971	-0.26
1	0.971	-0.26	73	0.212	-13.47	145	0.645	-3.81	217	0.981	-0.17	289	0.968	-0.28
2	0.968	-0.28	74	0.206	-13.72	146	0.654	-3.69	218	0.978	-0.19	290	0.966	-0.30
3	0.964	-0.32	75	0.202	-13.89	147	0.663	-3.57	219	0.975	-0.22	291	0.963	-0.33
4	0.960	-0.35	76	0.198	-14.07	148	0.672	-3.45	220	0.972	-0.25	292	0.960	-0.35
5	0.955	-0.40	77	0.195	-14.20	149	0.682	-3.32	221	0.968	-0.28	293	0.957	-0.38
6	0.950	-0.45	78	0.192	-14.33	150	0.691	-3.21	222	0.965	-0.31	294	0.954	-0.41
7	0.944	-0.50	79	0.191	-14.38	151	0.701	-3.09	223	0.962	-0.34	295	0.951	-0.44
8	0.937	-0.57	80	0.190	-14.42	152	0.711	-2.96	224	0.959	-0.36	296	0.948	-0.46
9	0.929	-0.64	81	0.190	-14.42	153	0.721	-2.84	225	0.955	-0.40	297	0.946	-0.48
10	0.921	-0.71	82	0.190	-14.42	154	0.732	-2.71	226	0.952	-0.43	298	0.943	-0.51
11	0.912	-0.80	83	0.191	-14.38	155	0.744	-2.57	227	0.949	-0.45	299	0.941	-0.53
12	0.903	-0.89	84	0.191	-14.38	156	0.755	-2.44	228	0.946	-0.48	300	0.938	-0.56
13	0.893	-0.98	85	0.192	-14.33	157	0.767	-2.30	229	0.943	-0.51	301	0.937	-0.57
14	0.882	-1.09	86	0.192	-14.33	158	0.778	-2.18	230	0.941	-0.53	302	0.935	-0.58
15	0.871	-1.20	87	0.193	-14.29	159	0.790	-2.05	231	0.939	-0.55	303	0.934	-0.59
16	0.860	-1.31	88	0.194	-14.24	160	0.803	-1.91	232	0.938	-0.56	304	0.933	-0.60
17	0.848	-1.43	89	0.195	-14.20	161	0.815	-1.78	233	0.936	-0.57	305	0.932	-0.61
18	0.836	-1.56	90	0.195	-14.20	162	0.827	-1.65	234	0.935	-0.58	306	0.932	-0.61
19	0.823	-1.69	91	0.195	-14.20	163	0.839	-1.52	235	0.934	-0.59	307	0.933	-0.60
20	0.811	-1.82	92	0.195	-14.20	164	0.852	-1.39	236	0.934	-0.59	308	0.933	-0.60
21	0.799	-1.95	93	0.195	-14.20	165	0.863	-1.28	237	0.935	-0.58	309	0.934	-0.59
22	0.787	-2.08	94	0.195	-14.20	166	0.875	-1.16	238	0.935	-0.58	310	0.935	-0.58
23	0.775	-2.21	95	0.194	-14.24	167	0.886	-1.05	239	0.936	-0.57	311	0.937	-0.57
24	0.762	-2.36	96	0.194	-14.24	168	0.897	-0.94	240	0.937	-0.57	312	0.939	-0.55
25	0.750	-2.50	97	0.194	-14.24	169	0.907	-0.85	241	0.939	-0.55	313	0.942	-0.52
26	0.738	-2.64	98	0.193	-14.29	170	0.917	-0.75	242	0.941	-0.53	314	0.944	-0.50
27	0.727	-2.77	99	0.193	-14.29	171	0.926	-0.67	243	0.943	-0.51	315	0.947	-0.47
28	0.716	-2.90	100	0.193	-14.29	172	0.935	-0.58	244	0.945	-0.49	316	0.950	-0.45
29	0.706	-3.02	101	0.194	-14.24	173	0.942	-0.52	245	0.948	-0.46	317	0.953	-0.42
30	0.695	-3.16	102	0.195	-14.20	174	0.950	-0.45	246	0.951	-0.44	318	0.956	-0.39
31	0.685	-3.29	103	0.197	-14.11	175	0.956	-0.39	247	0.954	-0.41	319	0.960	-0.35
32	0.675	-3.41	104	0.198	-14.07	176	0.962	-0.34	248	0.957	-0.38	320	0.963	-0.33
33	0.666	-3.53	105	0.201	-13.94	177	0.967	-0.29	249	0.960	-0.35	321	0.966	-0.30
34	0.656	-3.66	106	0.205	-13.76	178	0.972	-0.25	250	0.963	-0.33	322	0.969	-0.27
35	0.647	-3.78	107	0.210	-13.56	179	0.976	-0.21	251	0.966	-0.30	323	0.972	-0.25
36	0.638	-3.90	108	0.215	-13.35	180	0.979	-0.18	252	0.968	-0.28	324	0.975	-0.22
37	0.629	-4.03	109	0.221	-13.11	181	0.982	-0.16	253	0.971	-0.26	325	0.978	-0.19
38	0.621	-4.14	110	0.228	-12.84	182	0.985	-0.13	254	0.974	-0.23	326	0.981	-0.17
39	0.612	-4.26	111	0.237	-12.51	183	0.987	-0.11	255	0.976	-0.21	327	0.983	-0.15
40	0.604	-4.38	112	0.246	-12.18	184	0.988	-0.10	256	0.978	-0.19	328	0.985	-0.13
41	0.595	-4.51	113	0.257	-11.80	185	0.989	-0.10	257	0.980	-0.18	329	0.987	-0.11
42	0.587	-4.63	114	0.267	-11.47	186	0.991	-0.08	258	0.982	-0.16	330	0.989	-0.10
43	0.577	-4.78	115	0.279	-11.09	187	0.991	-0.08	259	0.984	-0.14	331	0.990	-0.09
44	0.568	-4.91	116	0.291	-10.72	188	0.992	-0.07	260	0.985	-0.13	332	0.992	-0.07
45	0.559	-5.05	117	0.305	-10.31	189	0.992	-0.07	261	0.987	-0.11	333	0.993	-0.06
46	0.549	-5.21	118	0.318	-9.95	190	0.993	-0.06	262	0.988	-0.10	334	0.994	-0.05
47	0.538	-5.38	119	0.333	-9.55	191	0.994	-0.05	263	0.989	-0.10	335	0.994	-0.05
48	0.527	-5.56	120	0.348	-9.17	192	0.995	-0.04	264	0.990	-0.09	336	0.994	-0.05
49	0.515	-5.76	121	0.363	-8.80	193	0.995	-0.04	265	0.991	-0.08	337	0.994	-0.05
50	0.504	-5.95	122	0.378	-8.45	194	0.996	-0.03	266	0.991	-0.08	338	0.994	-0.05
51	0.492	-6.16	123	0.393	-8.11	195	0.996	-0.03	267	0.991	-0.08	339	0.994	-0.05
52	0.479	-6.39	124	0.408	-7.79	196	0.997	-0.03	268	0.991	-0.08	340	0.994	-0.05
53	0.465	-6.65	125	0.423	-7.47	197	0.998	-0.02	269	0.992	-0.07	341	0.994	-0.05
54	0.452	-6.90	126	0.438	-7.17	198	0.998	-0.02	270	0.992	-0.07	342	0.993	-0.06
55	0.437	-7.19	127	0.452	-6.90	199	0.999	-0.01	271	0.992	-0.07	343	0.992	-0.07
56	0.423	-7.47	128	0.467	-6.61	200	0.999	-0.01	272	0.992	-0.07	344	0.991	-0.08
57	0.408	-7.79	129	0.481	-6.36	201	1.000	0.00	273	0.992	-0.07	345	0.991	-0.08
58	0.393	-8.11	130	0.495	-6.11	202	1.000	0.00	274	0.991	-0.08	346	0.990	-0.09
59	0.378	-8.45	131	0.508	-5.88	203	1.000	0.00	275	0.991	-0.08	347	0.989	-0.10
60	0.363	-8.80	132	0.520	-5.68	204	1.000	0.00	276	0.990	-0.09	348	0.988	-0.10
61	0.348	-9.17	133	0.531	-5.50	205	1.000	0.00	277	0.990	-0.09	349	0.988	-0.10
62	0.333	-9.55	134	0.543	-5.30	206	1.000	0.00	278	0.989	-0.10	350	0.987	-0.11
63	0.319	-9.92	135	0.553	-5.15	207	0.999	-0.01	279	0.988	-0.10	351	0.986	-0.12
64	0.305	-10.31	136	0.564	-4.97	208	0.998	-0.02	280	0.987	-0.11	352	0.985	-0.13
65	0.292	-10.69	137	0.574	-4.82	209	0.997	-0.03	281	0.986	-0.12	353	0.984	-0.14
66	0.279	-11.09	138	0.584	-4.67	210	0.996	-0.03	282	0.984	-0.14	354	0.983	-0.15
67	0.267	-11.47	139	0.593	-4.54	211	0.995	-0.04	283	0.982	-0.16	355	0.982	-0.16
68	0.255	-11.87	140	0.602	-4.41	212	0.993	-0.06	284	0.981	-0.17	356	0.981	-0.17
69	0.245	-12.22	141	0.611	-4.28	213	0.991	-0.08	285	0.978	-0.19	357	0.979	-0.18
70	0.235	-12.58	142	0.620	-4.15	214	0.989	-0.10	286	0.976	-0.21	358	0.978	-0.19
71	0.227	-12.88	143	0.628	-4.04	215	0.986	-0.12	287	0.974	-0.23	359	0.976	-0.21

Figure 2
Sheet 3 of 4



Angle	Amp	dB									
-5.00	0.097	-20.26	9.00	0.078	-22.16	36.00	0.025	-32.04	63.50	0.028	-31.06
-4.75	0.099	-20.09	9.25	0.076	-22.38	36.50	0.025	-32.16	64.00	0.028	-31.06
-4.50	0.098	-20.18	9.50	0.075	-22.50	37.00	0.024	-32.40	64.50	0.028	-31.11
-4.25	0.100	-20.00	9.75	0.075	-22.50	37.50	0.024	-32.28	65.00	0.027	-31.42
-4.00	0.106	-19.49	10.00	0.073	-22.73	38.00	0.025	-32.04	65.50	0.026	-31.70
-3.75	0.116	-18.71	10.50	0.065	-23.74	38.50	0.025	-32.15	66.00	0.026	-31.65
-3.50	0.126	-17.99	11.00	0.064	-23.94	39.00	0.024	-32.51	66.50	0.027	-31.33
-3.25	0.131	-17.65	11.50	0.060	-24.50	39.50	0.023	-32.65	67.00	0.028	-31.01
-3.00	0.131	-17.65	12.00	0.057	-24.96	40.00	0.024	-32.40	67.50	0.029	-30.75
-2.75	0.130	-17.72	12.50	0.056	-25.11	40.50	0.024	-32.51	68.00	0.029	-30.75
-2.50	0.139	-17.14	13.00	0.053	-25.50	41.00	0.023	-32.77	68.50	0.029	-30.79
-2.25	0.161	-15.86	13.50	0.050	-26.01	41.50	0.023	-32.65	69.00	0.028	-31.10
-2.00	0.186	-14.61	14.00	0.049	-26.20	42.00	0.024	-32.29	69.50	0.027	-31.41
-1.75	0.202	-13.89	14.50	0.048	-26.45	42.50	0.025	-32.15	70.00	0.026	-31.66
-1.50	0.196	-14.15	15.00	0.045	-26.92	43.00	0.024	-32.50	70.50	0.027	-31.33
-1.25	0.166	-15.60	15.50	0.044	-27.04	43.50	0.023	-32.66	71.00	0.028	-31.02
-1.00	0.133	-17.52	16.00	0.044	-27.12	44.00	0.024	-32.40	71.50	0.029	-30.72
-0.75	0.171	-15.34	16.50	0.042	-27.61	44.50	0.024	-32.40	72.00	0.030	-30.42
-0.50	0.294	-10.63	17.00	0.040	-27.86	45.00	0.024	-32.50	72.50	0.031	-30.20
-0.25	0.453	-6.88	17.50	0.041	-27.74	45.50	0.023	-32.77	73.00	0.030	-30.49
0.00	0.621	-4.14	18.00	0.040	-28.04	46.00	0.023	-32.66	73.50	0.029	-30.81
0.25	0.774	-2.23	18.50	0.038	-28.51	46.50	0.024	-32.30	74.00	0.027	-31.41
0.50	0.897	-0.94	19.00	0.037	-28.53	47.00	0.025	-32.14	74.50	0.026	-31.77
0.75	0.974	-0.23	19.50	0.037	-28.61	47.50	0.024	-32.49	75.00	0.024	-32.40
1.00	1.000	0.00	20.00	0.035	-29.09	48.00	0.023	-32.77	75.50	0.024	-32.36
1.25	0.974	-0.23	20.50	0.034	-29.26	48.50	0.023	-32.67	76.00	0.025	-32.01
1.50	0.901	-0.91	21.00	0.035	-29.12	49.00	0.024	-32.30	76.50	0.026	-31.67
1.75	0.796	-1.98	21.50	0.034	-29.44	49.50	0.025	-32.13	77.00	0.027	-31.32
2.00	0.675	-3.41	22.00	0.032	-29.90	50.00	0.024	-32.40	77.50	0.029	-30.73
2.25	0.556	-5.10	22.50	0.032	-29.78	50.50	0.024	-32.40	78.00	0.030	-30.44
2.50	0.457	-6.80	23.00	0.033	-29.74	51.00	0.024	-32.31	78.50	0.031	-30.17
2.75	0.388	-8.22	23.50	0.031	-30.13	51.50	0.025	-32.04	79.00	0.031	-30.19
3.00	0.344	-9.27	24.00	0.030	-30.34	52.00	0.025	-32.04	79.50	0.030	-30.48
3.25	0.313	-10.09	24.50	0.031	-30.17	52.50	0.025	-32.12	80.00	0.029	-30.77
3.50	0.285	-10.90	25.00	0.030	-30.40	53.00	0.024	-32.40	80.50	0.028	-31.09
3.75	0.254	-11.90	25.50	0.029	-30.75	53.50	0.024	-32.31	81.00	0.026	-31.76
4.00	0.225	-12.96	26.00	0.029	-30.63	54.00	0.025	-31.96	81.50	0.023	-32.81
4.25	0.202	-13.89	26.50	0.030	-30.57	54.50	0.026	-31.78	82.00	0.021	-33.62
4.50	0.187	-14.56	27.00	0.028	-30.99	55.00	0.025	-32.12	82.50	0.018	-34.94
4.75	0.178	-14.99	27.50	0.027	-31.25	55.50	0.024	-32.40	83.00	0.016	-35.99
5.00	0.170	-15.39	28.00	0.028	-30.94	56.00	0.024	-32.32	83.50	0.013	-37.78
5.25	0.159	-15.97	28.50	0.028	-30.99	56.50	0.025	-31.97	84.00	0.011	-39.23
5.50	0.146	-16.71	29.00	0.026	-31.62	57.00	0.026	-31.70	84.50	0.009	-40.98
5.75	0.135	-17.39	29.50	0.026	-31.78	57.50	0.026	-31.70	85.00	0.007	-43.14
6.00	0.127	-17.92	30.00	0.027	-31.25	58.00	0.026	-31.77	85.50	0.006	-44.48
6.25	0.123	-18.20	30.50	0.027	-31.29	58.50	0.025	-32.04	86.00	0.005	-46.06
6.50	0.120	-18.42	31.00	0.026	-31.82	59.00	0.025	-32.04	86.50	0.004	-48.01
6.75	0.115	-18.79	31.50	0.025	-31.91	59.50	0.025	-31.91	87.00	0.003	-50.46
7.00	0.108	-19.33	32.00	0.026	-31.58	60.00	0.027	-31.37	87.50	0.003	-50.50
7.25	0.101	-19.91	32.50	0.026	-31.61	60.50	0.027	-31.37	88.00	0.002	-53.98
7.50	0.096	-20.35	33.00	0.025	-32.17	61.00	0.027	-31.43	88.50	0.002	-54.02
7.75	0.094	-20.54	33.50	0.025	-32.14	61.50	0.026	-31.70	89.00	0.001	-60.00
8.00	0.093	-20.63	34.00	0.026	-31.70	62.00	0.026	-31.70	89.50	0.001	-60.03
8.25	0.090	-20.92	34.50	0.026	-31.82	62.50	0.026	-31.64	90.00	0.000	---
8.50	0.087	-21.21	35.00	0.025	-32.04	63.00	0.027	-31.32			
8.75	0.082	-21.72	35.50	0.025	-32.04	63.50	0.028	-31.06			

Figure 3

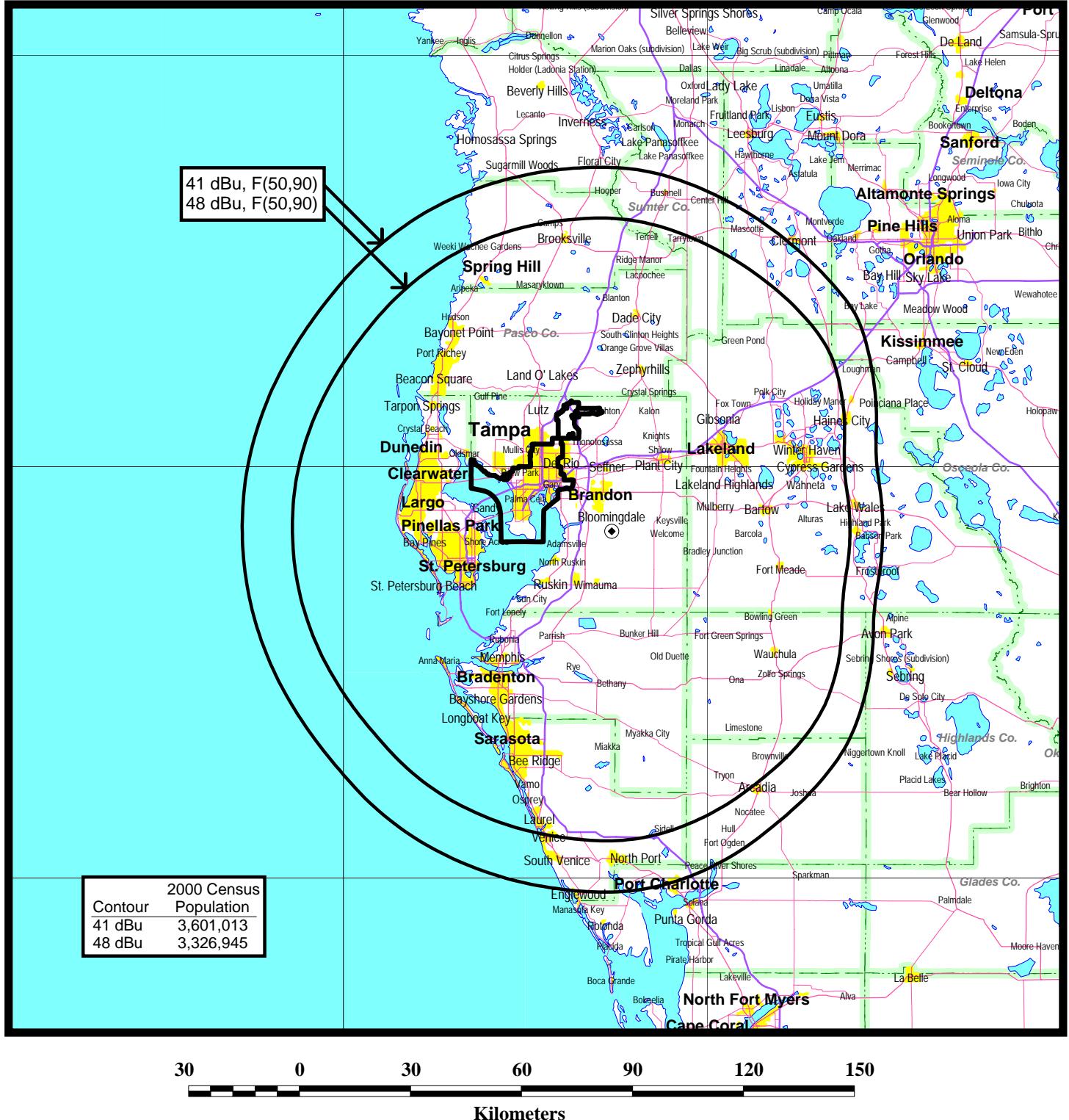
CDBS TV/DTV SEPARATION STUDY

Job Title: Proposed WFTT-DT
 Channel: 47
 Class:
 Type: DT

Separation Buffer: 50 km
 Coordinates: 27-50-32 82-15-45
 Zone: III

Call Id	City St	Status	File Num	Channel Zone	ERP HAAT	DA Id	Latitude	Bear	Dist. (km)	Req. min	Req. max
Longitude											
WMOR-T 53819	LAKELAND FL	LIC C	19860909LBIII	BLCT 32(Z)	3020.000 271	D 24009	27-50-15 081-56-53	90.9	31.0 6.88	24.1 Short	96.6
WWSB 61251	SARASOTA FL	LIC C	19790920KIIII	BLCT 40(Z)	2880.000 235	D 20678	27-33-27 082-21-59	197.9	33.2 9.07	24.1 Short	96.6
WWSB 61251	SARASOTA FL	CP C	19991012AAIII	BPCT 40(Z)	2880.000 235	D 28328	27-33-21 082-21-49	197.4	33.3 9.16	24.1 Short	96.6
WOTF 5802	MELBOURNE FL	LIC C	19980422KGIII	BLCT 43(+)	2290.000 303	D 24134	28-18-22 080-54-45	68.4	142.3 45.71	24.1 Clear	96.6
WTG 74112	ST. PETERSB FL	LIC C	19990415KIIII	BLCT 44(+)	5000.000 454	N 28264	27-49-46 082-15-59	195.0	1.5 22.63	24.1 Clear	96.6
WLCB-T 9881	LEESBURG FL	CP C	20000717AAIII	BMPET 45(-)	1200.000 141	D 33830	28-40-48 081-49-16	24.8	102.4 5.85	24.1 Close	96.6
WLCB-T 9881	LEESBURG FL	LIC C	20001212AAIII	BLET 45(-)	1200.000 141	D 33830	28-40-48 081-49-16	24.8	102.4 5.85	24.1 Close	96.6
WLCB-T 9881	LEESBURG FL	APP C	20010808ABIII	BPET 45(-)	5000.000 514	D 40778	28-35-12 081-04-58	54.1	142.2 45.59	24.1 Clear	96.6
DWLGBT	LEESBURG FL	DTV		46()	133.000 138	D	28-51-35 081-46-27	22.8	122.5 12.50	24.0 Close	110.0
WTVK 61504	NAPLES FL	CP C	19991123AGIII	BPCT 46(Z)	5000.000 456	D 33431	26-47-08 081-47-40	158.4	125.9 19.92	12.0 Clear	106.0
WLCB-T 9881	LEESBURG FL	CP C	20000428ACIII	BPEDT 46()	1000.000 496	D 40822	28-35-12 081-04-58	54.1	142.2 32.19	24.0 Clear	110.0
WFTT 60559	TAMPA FL	CP C	19980806KHIII	BPCDT 47()	200.000 443	N 36743	27-50-32 082-15-46	269.9	0.0		
DWBHST	TAMPA FL	DTV		47()	149.300 445	D	27-50-32 082-15-46	270.0	0.0		
WTEV-T 35576	JACKSONVILLE FL	LIC C	19881116KGIII	BLCT 47(-)	5000.000 299	D 19246	30-16-34 081-33-58	13.9	278.1 33.55	244.6 Clear	244.6
W48AY 2130	OLDSMAR FL	LIC C	19950515IB	BLTTL 48(+)	41.700 24176	D	28-02-21 082-39-21	299.6	44.4 32.44	0.0 Class A	0.0
DWIRB	MELBOURNE FL	DTV		48()	170.800 472	D	28-05-37 081-07-28	75.7	115.4 5.39	24.0 Close	110.0
WOPX 67602	MELBOURNE FL	CP C	19990507KHIII	BPCDT 48()	1000.000 456	D 37045	28-05-37 081-07-28	75.7	115.4 5.39	24.0 Close	110.0
WRXY-T 71580	TICE FL	LIC C	19950208KEIII	BLCT 49(Z)	3470.000 145	D 24151	26-47-08 081-47-41	158.4	125.9 29.31	24.1 Clear	96.6
WFTT 60559	TAMPA FL	LIC C	19880616KHIII	BLCT 50(Z)	4170.000 445	N 082-15-46	27-50-32 082-15-46	269.9	0.0 24.07	24.1 Clear	96.6
WFTT 60559	TAMPA FL	CP C	19960710KGIII	BPCT 50(Z)	5000.000 445	N 082-15-46	27-50-32 082-15-46	269.9	0.0 24.07	24.1 Clear	96.6
WRMD-L 74559	TAMPA FL	CP C	20001116AC	BPTTL 51(+)	14.900 17717	D	27-56-50 082-27-35	301.1	22.6 1.46	0.0 Class A	0.0

Figure 4



PREDICTED COVERAGE CONTOURS

**DTV STATION WFTT-DT
TAMPA, FLORIDA
CH 47 1000 KW(MAX-DA) 317 M**

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

du Treil, Lundin, and Rackley

Figure 5, Sheet 1 of 3

Coordinates: 275032 0821545 Frequency Range: - Range: 16

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	29732	WFLZ-F	USE	227	FA	C	TAMPA	FL		27-50-32	082-15-46	0			269.9	0.0	
C	29732	WFLZ-F	LIC	227	FM	C	TAMPA	FL		27-50-32	082-15-46	100	414.0	434.0	269.9	0.0	
C	23078	WMTX	USE	264	FA	C	TAMPA	FL		27-50-32	082-15-46	0			269.9	0.0	
C	23078	WMTX	LIC	264	FM	C	TAMPA	FL	N	27-50-32	082-15-46	100	414.0	434.0	269.9	0.0	
C	63984	WTBT	LIC	278	FM	C	BRADENTON	FL	N	27-50-32	082-15-46	100	414.0	434.0	269.9	0.0	
C	69122	WUSF	LIC	209	FM	C1	TAMPA	FL	N	27-50-53	082-15-48	72	287.0	307.0	352.5	0.7	
C	122584	None	APP	211	FX	D	RIVERVIEW	FL	N	27-49-48	082-16-58	3.7999965.0	81.6		235.7	2.4	
C	74200	WWRM	CP	235	FS	C	TAMPA	FL	N	27-49-10	082-15-39	100	363.0	384.0	176.4	2.5	
C	74200	WWRM	LIC	235	FM	C	TAMPA	FL	N	27-49-10	082-15-39	100	470.0	490.5	176.4	2.5	
C	66013	WPOI	LIC	268	FM	C	ST.	FL	N	27-49-10	082-15-39	100	470.0	490.5	176.4	2.5	
C	66013	WPOI	CP	268	FS	C	ST.	FL	N	27-49-10	082-15-39	100	339.0	360.0	176.4	2.5	
C	5373	WBVM	LIC	213	FM	C1	TAMPA	FL	D	27-49-09	082-14-26	100	292.0	315.0	139.9	3.4	
C	74200	WWRM	USE	235	FA	C	TAMPA	FL		27-49-09	082-14-26	0			139.9	3.4	
C	74200	WWRM	LIC	235	FS	C	TAMPA	FL	N	27-49-08	082-14-26	100	342.0	364.0	140.3	3.4	
C	47459	WMNF	LIC	203	FM	C1	TAMPA	FL		27-49-04	082-14-31	70	158.0	178.0	143.4	3.4	
C	134688	NEW	APP	243	FL	L1	BLOOMINGDALE	FL		27-49-38	082-11-22	0			0.0	103.1	7.4
C	63984	WTBT	USE	278	FA	C	BRADENTON	FL		27-49-20	082-21-50	0			257.4	10.2	
C	86293	W244BE	LIC	244	FX	D	BRANDON	FL	N	27-56-20	082-16-31	7.9999944.0	60.0	353.3	10.8		
C	134322	NEW	APP	243	FL	L1	GIBSONTON	FL		27-50-34	082-22-49	0			270.3	11.6	
C	134707	NEW	APP	243	FL	L1	GIBSONTON	FL		27-49-57	082-22-49	0			264.7	11.7	
C	133255	NEW	APP	243	FL	L1	TAMPA	FL		27-50-22	082-22-56	0			268.5	11.8	
C	133255	NEW	APP	243	FL	L1	TAMPA	FL		27-50-22	082-22-56	0			268.5	11.8	
C	134771	NEW	APP	243	FL	L1	TAMPA	FL		27-50-24	082-23-05	0.0958830.3	37.0	268.9	12.0		
C	135008	NEW	APP	243	FL	L1	EAST TAMPA	FL		27-50-39	082-23-09	0			271.1	12.2	
C	135496	NEW	APP	243	FL	L1	YBOR CITY	FL		27-50-45	082-23-09	0			271.9	12.2	
C	135144	NEW	APP	243	FL	L1	WIMAUMA	FL		27-42-44	082-17-56	0			193.9	14.9	

du Treil, Lundin, and Rackley

Figure 5, Sheet 2 of 3

Coordinates: 275032 0821545 Channel Range: 2-100

Range: 16

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	64592	WFLA-T	CP	7	DT		TAMPA	FL	N	27-50-32	082-15-45	35.000	465	486	95.66	0
C	64592	WFLA-T	LIC	7	DT		TAMPA	FL	N	27-50-32	082-15-45	19.000	475	496	95.66	0
C	64588	WFTS-T	CP	29	DT		TAMPA	FL	N	27-50-32	082-15-45	500.000	476	496	95.66	0
C	60559	WFTT	CP	47	DT		TAMPA	FL	N	27-50-32	082-15-46	200.000	443	464	269.9	0.03
C	4108	WTTA	CP	57	DT		ST.	FL	N	27-50-32	082-15-46	1000.00	438	458	269.9	0.03
C	4108	WTTA	CP	38	TV		ST.	FL	N	27-50-32	082-15-46	5000.00	438	458	269.9	0.03
C	64588	WFTS-T	CP	28	TV		TAMPA	FL	N	27-50-32	082-15-46	3980.00	471	492	269.9	0.03
C	64592	WFLA-T	LIC	8	TV		TAMPA	FL	N	27-50-32	082-15-46	316.000	471	491	269.9	0.03
C	64588	WFTS-T	LIC	28	TV		TAMPA	FL	N	27-50-32	082-15-46	2630.00	471	492	269.9	0.03
C	60559	WFTT	LIC	50	TV		TAMPA	FL	N	27-50-32	082-15-46	4170.00	445	464	269.9	0.03
C	4108	WTTA	LIC	38	TV		ST.	FL	N	27-50-32	082-15-46	1410.00	438	458	269.9	0.03
C	60559	WFTT	CP	50	TV		TAMPA	FL	N	27-50-32	082-15-46	5000.00	445	464	269.9	0.03
C	21808	WEDU	CP	54	DT		TAMPA	FL	N	27-50-52	082-15-48	1000.00	453	473	352.1	0.62
C	69338	WUSF-T	CP	34	DT		TAMPA	FL	N	27-50-52	082-15-48	475.000	453	475	352.1	0.62
C	74112	WTOG	CP	59	DT		ST	FL	N	27-50-52	082-15-48	600.000	452	473	352.1	0.62
C	21808	WEDU	CP	3	TV		TAMPA	FL	N	27-50-52	082-15-48	79.400	470	491	352.1	0.62
C	69338	WUSF-T	LIC	16	TV		TAMPA	FL	D	27-50-53	082-15-48	1620.00	308	326	352.5	0.65
C	9027	WTAM-L	CP	30	TX		TAMPA	FL	C	27-50-56	082-15-48	15.000		228	353.4	0.74
C	21808	WEDU	LIC	3	TV		TAMPA	FL	N	27-49-48	082-15-59	100.000	473	491	195.6	1.41
C	74112	WTOG	LIC	44	TV		ST.	FL	N	27-49-46	082-15-59	5000.00	454	474	195.0	1.47
C	53819	WMOR-T	APP	19	DT		LAKELAND	FL	N	27-49-10	082-15-39	1000.00	458	479	176.4	2.53
C	6601	WXPX	CP	42	DT		BRADENTON	FL	N	27-49-10	082-15-39	210.000	476	495	176.4	2.53
C	16788	WVEA-T	CP	25	DT		VENICE	FL	D	27-49-10	082-15-39	750.000	472	493	176.4	2.53
C	53819	WMOR-T	APP	19	DT		TAMPA	FL	N	27-49-10	082-15-39	1000.00	458	479	176.4	2.53
C	53819	WMOR-T	CP	19	DT		TAMPA	FL	N	27-49-10	082-15-39	1000.00	439	458	176.4	2.53
C	11125	WCLF	CP	21	DT		CLEARWATER	FL	D	27-49-10	082-15-39	1000.00	409	427	176.4	2.53

CDBS Tv Inquiry List

Figure 5, Sheet 3 of 3

Rec	Facility Type	Id	Call	Status	Chan	Svc Class	Class	City	St	DA	Latitude	Longitude	ERP (kW)	HAAT (m)	RCAMSL (m)	Bearing	Dist. (km)
C	6601		WXPX	APP	42	TV		BRADENTON	FL	N	27-49-10	082-15-39	2240.00	476	495	176.4	2.53
C	6601		WXPX	APP	42	TV		BRADENTON	FL	N	27-49-10	082-15-39	2240.00	476	495	176.4	2.53
C	16788		WVEA-T	CP	62	TV		VENICE	FL	N	27-49-10	082-15-39	5000.00	476	495	176.4	2.53
C	11125		WCLF	LIC	22	TV		CLEARWATER	FL	D	27-49-10	082-15-39	5000.00	409	428	176.4	2.53
C	68014		W68CF	CP	68	TX		TAMPA	FL	D	27-49-10	082-15-38	7.500		212	175.8	2.53
C	68014		W68CF	LIC	68	TX		TAMPA	FL	D	27-49-10	082-15-38	7.500		201	175.8	2.53
C	68014		W68CF	CP	56	TX		TAMPA	FL	D	27-49-10	082-15-38	65.000		212	175.8	2.53
C	9027		WTAM-L	APP	30	CA		TAMPA	FL	D	27-49-09.7	082-15-38.7	144.600		389	176.2	2.54
C	68569		WTVT	CP	12	DT		TAMPA	FL	D	27-49-08	082-14-26	72.300	436	460	140.2	3.37
C	68569		WTVT	LIC	12	DT		TAMPA	FL	D	27-49-08	082-14-26	17.500	436	460	140.2	3.37
C	68569		WTVT	LIC	13	TV		TAMPA	FL	N	27-49-08	082-14-26	316.000	433	454	140.2	3.37
C	54948		WSVT-L	CP	18	CA		TAMPA	FL	D	27-46-32	082-22-10	28.300		132	234.8	12.87