

FIGURE 42**PROPOSED OPERATIONAL SPECIFICATIONS AND ANTENNA DETAILS**

The operating specifications for the proposed KSBN-DT system are shown on page 2 of this exhibit. The proposed antenna will be side-mounted on the present KSBN-TV tower. The existing KSBN-TV NTSC antenna will be lowered on the tower to allow for placement of the DTV antenna. An application to relocate the KSBN-TV NTSC antenna is being filed separately. As shown on page 2, the existing tower is a registered antenna structure. No changes are proposed which would alter the overall height of the structure.

The proposed KSBN-DT antenna will be an Andrew Model ALP24M3-HSOC-39. The horizontally polarized antenna will employ 0.75° of electrical beam tilt. The omnioïd pattern will be oriented with the major lobe at 60° True with a maximum effective radiated power (ERP) of 35 kW at 114 meters height above average terrain (HAAT). A polar plot of the proposed horizontal plane pattern is shown in Figure 42.1 using relative field values. A similar plot using effective radiated power (in dBk) is shown in Figure 42.2. The tabulation supporting both of these plots is found on page 3 of this figure.

The plot and tabulation of the vertical plane pattern supplied by the antenna manufacturer has been included as Figures 42.3 and 42.4, respectively. Information supplied by the manufacturer references the low power model of antenna, however the pattern information is consistent with the proposed medium power antenna.

FIGURE 42**PROPOSED DTV OPERATING SPECIFICATIONS****Applicant:** WORD OF GOD FELLOWSHIP, INC.□□**City of License:** Springdale, Washington County, AR **Call:** KSBN-DT**Frequency:** 620-626 MHz**Channel:** 39**ERP:** 35 kW Max**HAAT:** 114 meters**Beam Tilt:** 0.75°**Transmitter Location:** 3556 Liberty Street, Tontitown.**County:** Washington**State:** AR**Site Coordinates:** NL 36° 11' 07"; WL 94° 17' 49"**Site Elevation:** 393.2 meters AMSL**Proposed Operation:** UHF Full Service Digital Television**Proposed Antenna:** Andrew Model ALP24M3-HSOC-39 (Major Lobe at 60° True)
Side Mounted, Slotted Cylinder Construction**Effective Radiated Power:** 35 kW Maximum Horizontal - Directional**Height of Antenna Radiation Center Above:**

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
Horizontal	114 meters	489 meters	96 meters
Vertical	Does Not Apply	Does Not Apply	Does Not Apply

Overall Height of Supporting Structure Above Ground: 139.9 meters**Overall Height of Supporting Structure Above Mean Sea Level:** 533.1 meters**Antenna Structure Registration Number:** 1037671

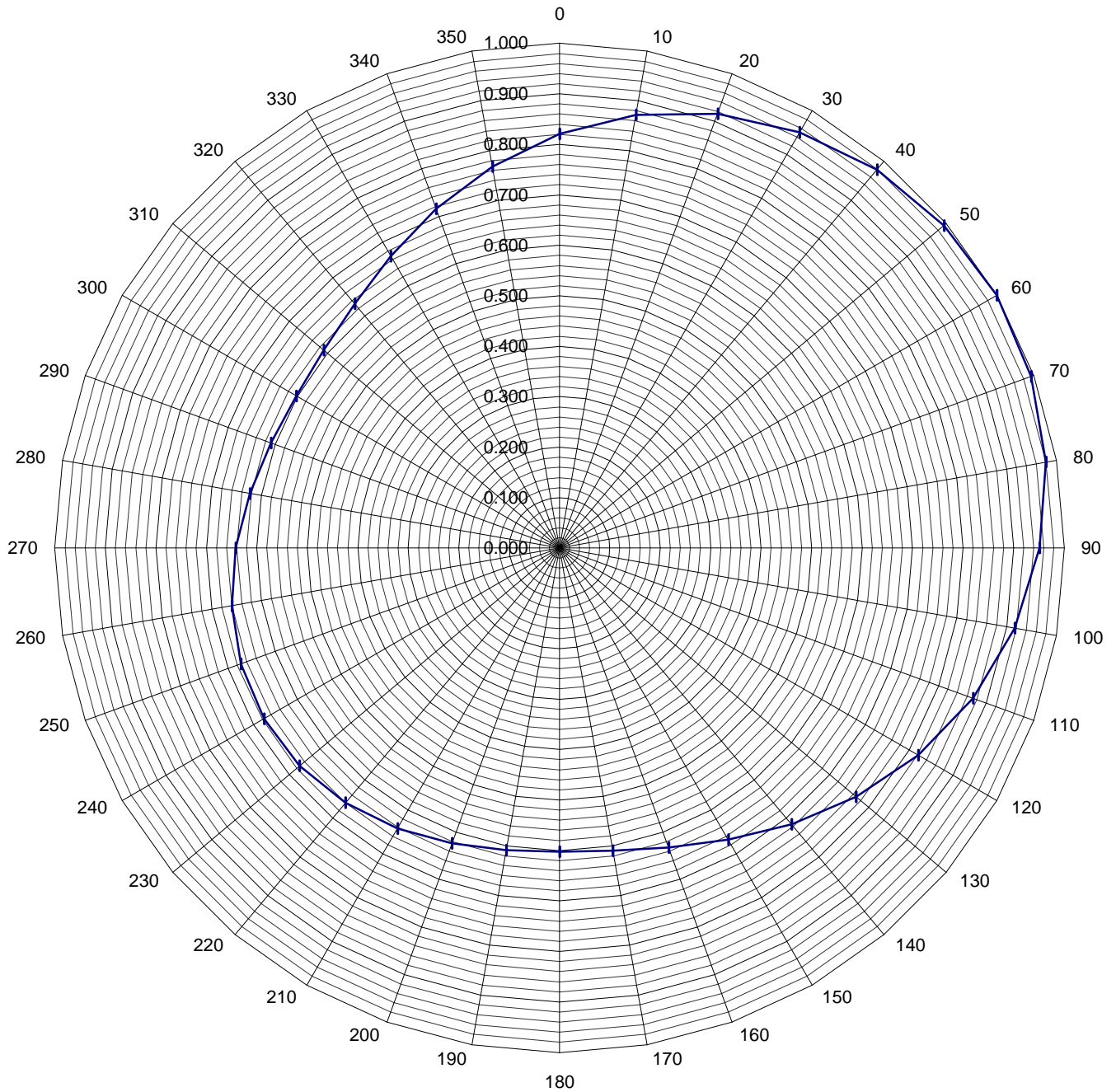
Site Elevation and Structure Heights Taken from Registration Data
 All other heights "rounded" to nearest meter for Section III-D of Form 301

FIGURE 42**HORIZONTAL PLANE DIRECTIONAL ANTENNA TABULATION****PATTERN AZIMUTH: 0° = 0° True**

Azimuth	Field	dBk	Azimuth	Field	dBk
0°	0.820	13.7	180°	0.602	11.0
10°	0.871	14.2	190°	0.608	11.1
20°	0.915	14.6	200°	0.623	11.3
30°	0.951	15.0	210°	0.642	11.6
40°	0.978	15.2	220°	0.659	11.8
50°	0.994	15.3	230°	0.672	11.9
60°	1.000	15.4	240°	0.676	12.0
70°	0.994	15.3	250°	0.672	11.9
80°	0.978	15.2	260°	0.659	11.8
90°	0.951	15.0	270°	0.642	11.6
100°	0.915	14.6	280°	0.623	11.3
110°	0.871	14.2	290°	0.608	11.1
120°	0.820	13.7	300°	0.602	11.0
130°	0.767	13.1	310°	0.609	11.1
140°	0.715	12.5	320°	0.631	11.4
150°	0.668	11.9	330°	0.668	11.9
160°	0.631	11.4	340°	0.715	12.5
170°	0.609	11.1	350°	0.767	13.1

FIGURE 42.1

Composite Pattern in Relative Field



Call Sign: KSBN-DT

Channel: 39

Max ERP: 35 kW

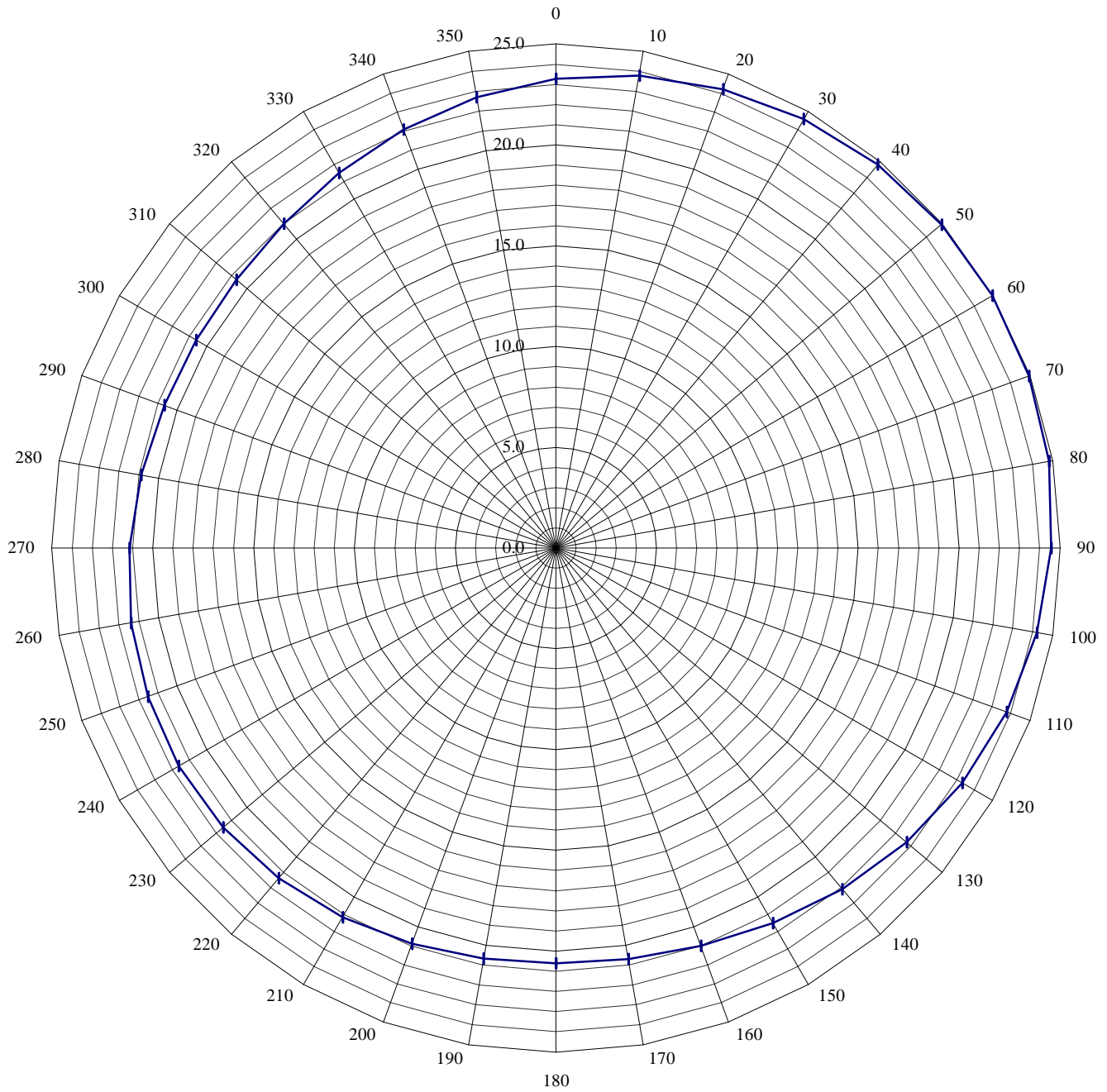
Antenna Make: Andrew Corp.

Model: ALP24M3-HSOC-39

Licensee: WORD OF GOD FELLOWSHIP, INC. Springdale, AR

FIGURE 42.2

Composite Pattern in dBk



Call Sign: KSBN-DT

Channel: 39

Max ERP: 35 kW

Antenna Make: Andrew Corp.

Model: ALP24M3-HSOC-39

Licensee: WORD OF GOD FELLOWSHIP, INC. Springdale, AR

Exhibit: 42.3



ANDREW

Type: ALP24L3

Directivity: Numeric dBd

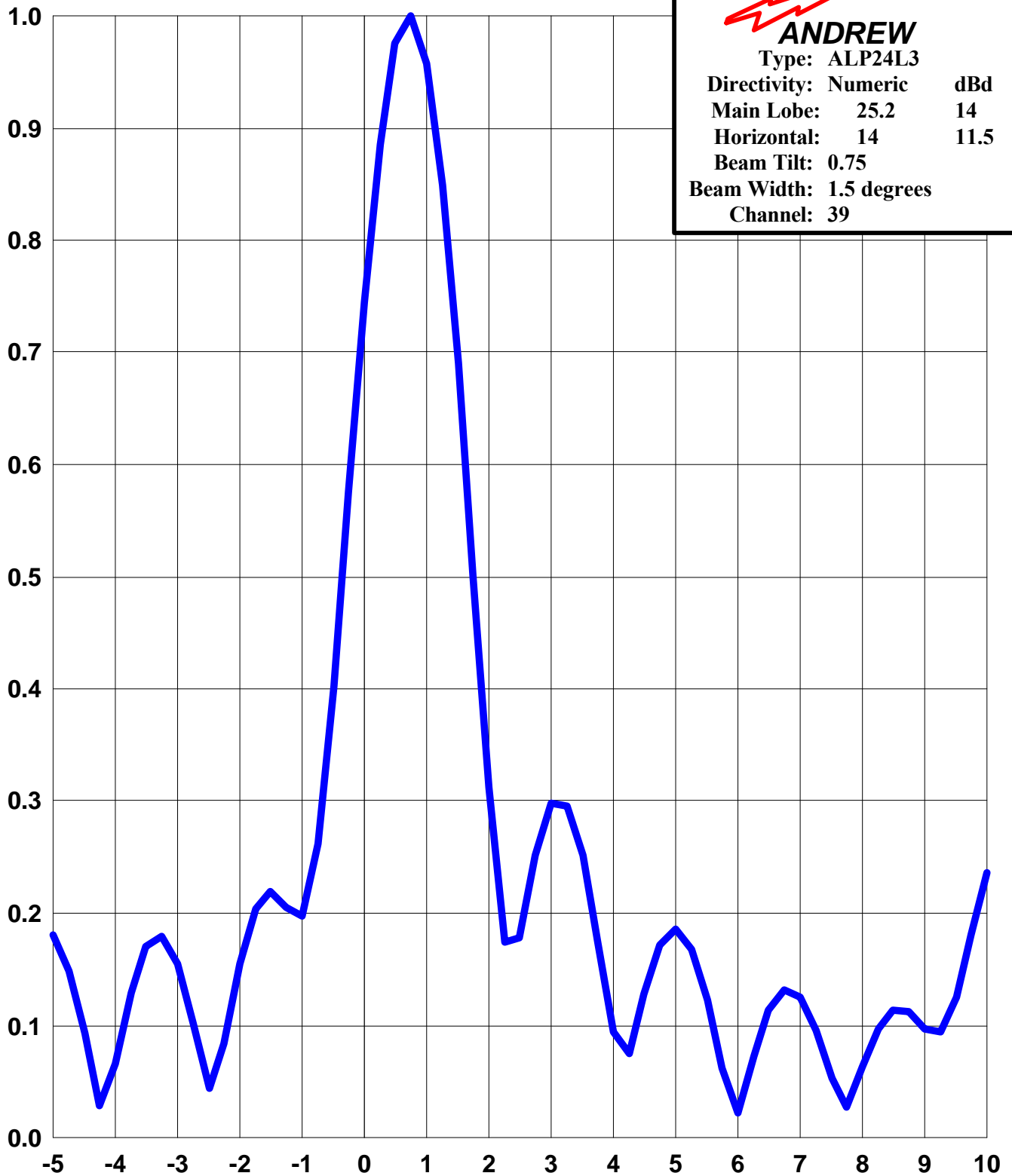
Main Lobe: 25.2 14

Horizontal: 14 11.5

Beam Tilt: 0.75

Beam Width: 1.5 degrees

Channel: 39



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

Site: KSBN-DT
Proposal Number: 35 kW



Type:ALP24L3 Beam Tilt: 0.75 deg
Directivity: 25.2 (14 dB) Chan: 39

Exhibit: 40.4

Angle	Amp	dB	Angle	Amp	dB	Angle	Amp	dB	Angle	Amp	dB
-5.00	0.180	-14.89	9.00	0.097	-20.26	36.00	0.057	-24.88	63.50	0.277	-11.15
-4.75	0.149	-16.54	9.25	0.094	-20.54	36.50	0.044	-27.13	64.00	0.284	-10.93
-4.50	0.093	-20.63	9.50	0.125	-18.06	37.00	0.018	-34.89	64.50	0.276	-11.18
-4.25	0.029	-30.75	9.75	0.180	-14.89	37.50	0.026	-31.70	65.00	0.254	-11.90
-4.00	0.066	-23.61	10.00	0.236	-12.54	38.00	0.043	-27.33	65.50	0.220	-13.15
-3.75	0.129	-17.79	10.50	0.314	-10.06	38.50	0.042	-27.54	66.00	0.179	-14.94
-3.50	0.170	-15.39	11.00	0.301	-10.43	39.00	0.024	-32.40	66.50	0.134	-17.46
-3.25	0.179	-14.94	11.50	0.214	-13.39	39.50	0.006	-44.44	67.00	0.091	-20.82
-3.00	0.155	-16.19	12.00	0.104	-19.66	40.00	0.027	-31.37	67.50	0.057	-24.88
-2.75	0.101	-19.91	12.50	0.029	-30.75	40.50	0.037	-28.64	68.00	0.045	-26.94
-2.50	0.044	-27.13	13.00	0.031	-30.17	41.00	0.031	-30.17	68.50	0.056	-25.04
-2.25	0.084	-21.51	13.50	0.025	-32.04	41.50	0.013	-37.72	69.00	0.071	-22.97
-2.00	0.155	-16.19	14.00	0.008	-41.94	42.00	0.014	-37.08	69.50	0.081	-21.83
-1.75	0.204	-13.81	14.50	0.001	-60.00	42.50	0.030	-30.46	70.00	0.085	-21.41
-1.50	0.220	-13.15	15.00	0.007	-43.10	43.00	0.034	-29.37	70.50	0.082	-21.72
-1.25	0.205	-13.76	15.50	0.015	-36.48	43.50	0.028	-31.06	71.00	0.074	-22.62
-1.00	0.197	-14.11	16.00	0.011	-39.17	44.00	0.031	-30.17	71.50	0.062	-24.15
-0.75	0.262	-11.63	16.50	0.008	-41.94	44.50	0.052	-25.68	72.00	0.047	-26.56
-0.50	0.402	-7.92	17.00	0.028	-31.06	45.00	0.072	-22.85	72.50	0.033	-29.63
-0.25	0.575	-4.81	17.50	0.031	-30.17	45.50	0.081	-21.83	73.00	0.022	-33.15
0.00	0.745	-2.56	18.00	0.013	-37.72	46.00	0.077	-22.27	73.50	0.018	-34.89
0.25	0.885	-1.06	18.50	0.027	-31.37	46.50	0.061	-24.29	74.00	0.023	-32.77
0.50	0.975	-0.22	19.00	0.050	-26.02	47.00	0.040	-27.96	74.50	0.030	-30.46
0.75	1.000	0.00	19.50	0.048	-26.38	47.50	0.020	-33.98	75.00	0.036	-28.87
1.00	0.957	-0.38	20.00	0.070	-23.10	48.00	0.006	-44.44	75.50	0.041	-27.74
1.25	0.849	-1.42	20.50	0.146	-16.71	48.50	0.001	-60.00	76.00	0.043	-27.33
1.50	0.690	-3.22	21.00	0.221	-13.11	49.00	0.003	-50.46	76.50	0.043	-27.33
1.75	0.501	-6.00	21.50	0.253	-11.94	49.50	0.009	-40.92	77.00	0.041	-27.74
2.00	0.312	-10.12	22.00	0.225	-12.96	50.00	0.014	-37.08	77.50	0.038	-28.40
2.25	0.174	-15.19	22.50	0.149	-16.54	50.50	0.014	-37.08	78.00	0.034	-29.37
2.50	0.178	-14.99	23.00	0.062	-24.15	51.00	0.009	-40.92	78.50	0.029	-30.75
2.75	0.252	-11.97	23.50	0.046	-26.74	51.50	0.007	-43.10	79.00	0.024	-32.40
3.00	0.298	-10.52	24.00	0.070	-23.10	52.00	0.017	-35.39	79.50	0.019	-34.42
3.25	0.296	-10.57	24.50	0.058	-24.73	52.50	0.026	-31.70	80.00	0.014	-37.08
3.50	0.251	-12.01	25.00	0.026	-31.70	53.00	0.028	-31.06	80.50	0.010	-40.00
3.75	0.175	-15.14	25.50	0.020	-33.98	53.50	0.024	-32.40	81.00	0.006	-44.44
4.00	0.094	-20.54	26.00	0.034	-29.37	54.00	0.012	-38.42	81.50	0.004	-47.96
4.25	0.075	-22.50	26.50	0.029	-30.75	54.50	0.007	-43.10	82.00	0.003	-50.46
4.50	0.128	-17.86	27.00	0.011	-39.17	55.00	0.023	-32.77	82.50	0.005	-46.02
4.75	0.172	-15.29	27.50	0.008	-41.94	55.50	0.035	-29.12	83.00	0.006	-44.44
5.00	0.186	-14.61	28.00	0.015	-36.48	56.00	0.039	-28.18	83.50	0.008	-41.94
5.25	0.168	-15.49	28.50	0.011	-39.17	56.50	0.034	-29.37	84.00	0.008	-41.94
5.50	0.123	-18.20	29.00	0.003	-50.46	57.00	0.020	-33.98	84.50	0.009	-40.92
5.75	0.062	-24.15	29.50	0.002	-53.98	57.50	0.010	-40.00	85.00	0.009	-40.92
6.00	0.022	-33.15	30.00	0.001	-60.00	58.00	0.027	-31.37	85.50	0.009	-40.92
6.25	0.072	-22.85	30.50	0.004	-47.96	58.50	0.045	-26.94	86.00	0.008	-41.94
6.50	0.114	-18.86	31.00	0.008	-41.94	59.00	0.055	-25.19	86.50	0.008	-41.94
6.75	0.132	-17.59	31.50	0.023	-32.77	59.50	0.056	-25.04	87.00	0.007	-43.10
7.00	0.125	-18.06	32.00	0.052	-25.68	60.00	0.052	-25.68	87.50	0.006	-44.44
7.25	0.096	-20.35	32.50	0.085	-21.41	60.50	0.058	-24.73	88.00	0.005	-46.02
7.50	0.053	-25.51	33.00	0.108	-19.33	61.00	0.086	-21.31	88.50	0.004	-47.96
7.75	0.027	-31.37	33.50	0.110	-19.17	61.50	0.129	-17.79	89.00	0.002	-53.98
8.00	0.063	-24.01	34.00	0.087	-21.21	62.00	0.177	-15.04	89.50	0.001	-60.00
8.25	0.097	-20.26	34.50	0.047	-26.56	62.50	0.221	-13.11	90.00	0.000	---
8.50	0.114	-18.86	35.00	0.027	-31.37	63.00	0.255	-11.87			
8.75	0.112	-19.02	35.50	0.049	-26.20	63.50	0.277	-11.15			

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

Company: Word of God Fellowship, Inc Date: 08/08/2001
Site: KSBN-DT
Proposal Number: 35 kW