

New TV Station • Channel 51 • Bend, Oregon

Proposed Elevation Plane Pattern
(to 11° below horizontal)

Dielectric

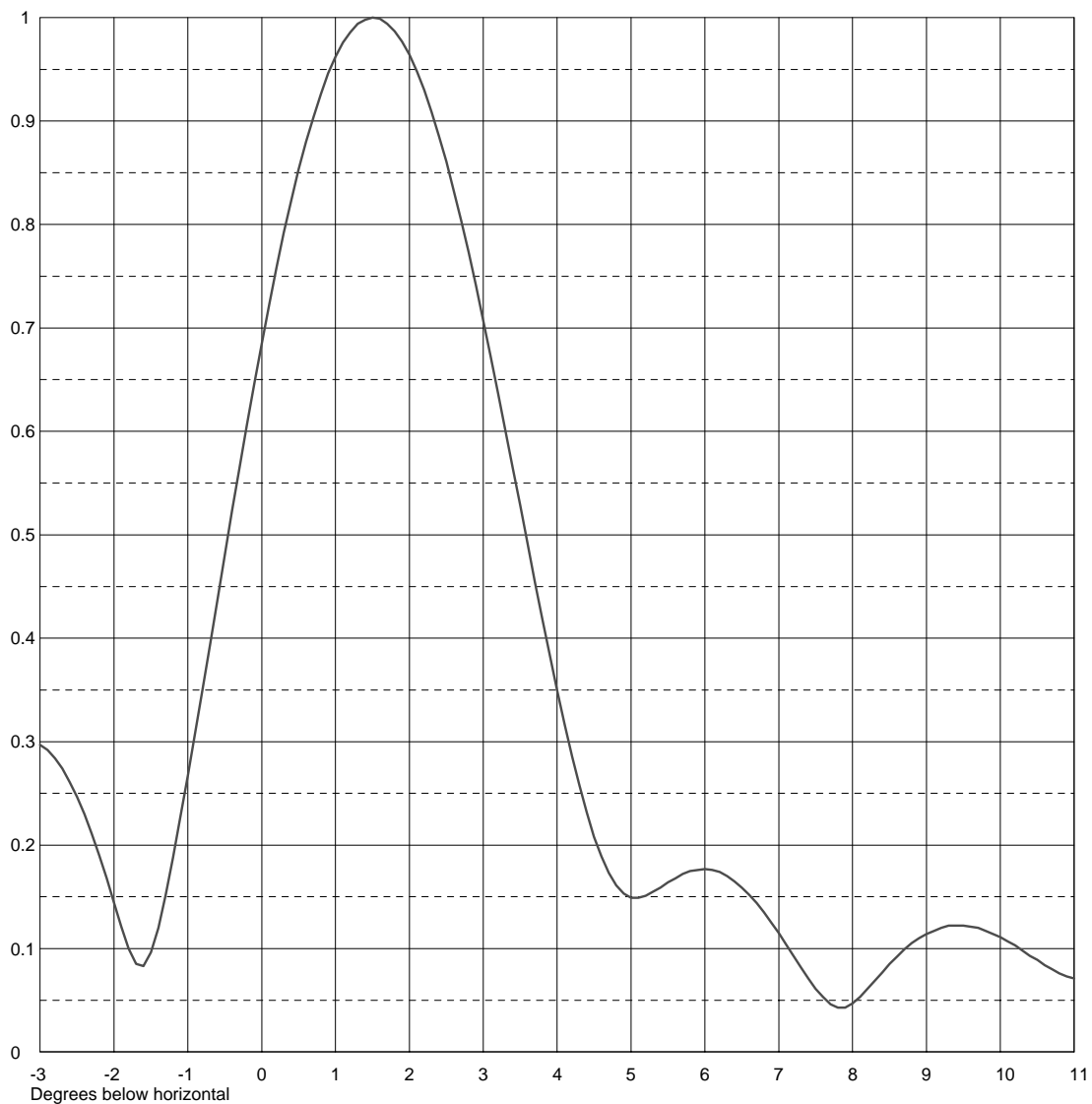
Date **17 Apr 2006**
Call Letters
Location **Bend, Oregon**
Customer
Antenna Type **TFU-16DSB-M**

Exhibit No.

Channel **51**

ELEVATION PATTERN

RMS Gain at Main Lobe	15.5 (11.90 dB)	Beam Tilt	1.50 Degrees
RMS Gain at Horizontal	7.3 (8.63 dB)	Frequency	695.00 MHz
Calculated / Measured	Calculated	Drawing #	16B155150



Although the FCC Rules request submission of the elevation plane patterns in dBk, it has been Commission policy not to require this duplicative information, and it is not included here. These patterns can, of course, be provided upon request.



HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

060417
Exhibit 31A

New TV Station • Channel 51 • Bend, Oregon

Proposed Elevation Plane Pattern
(to 90° below horizontal)

Exhibit No.

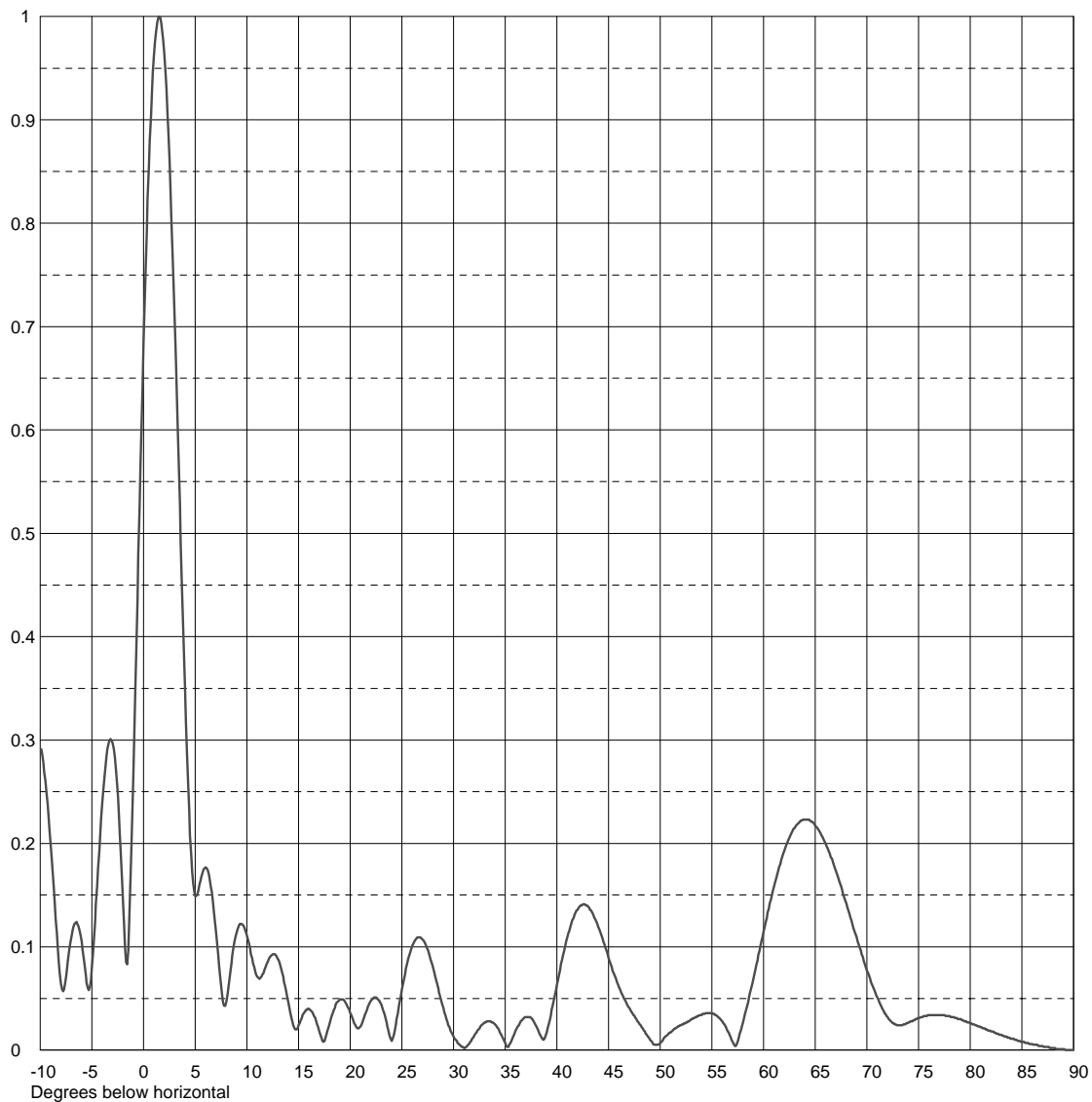
Dielectric

Date **17 Apr 2006**
Call Letters
Location **Bend, Oregon**
Customer
Antenna Type **TFU-16DSB-M**

Channel **51**

ELEVATION PATTERN

RMS Gain at Main Lobe	15.5 (11.90 dB)	Beam Tilt	1.50 Degrees
RMS Gain at Horizontal	7.3 (8.63 dB)	Frequency	695.00 MHz
Calculated / Measured	Calculated	Drawing #	16B155150-90



Although the FCC Rules request submission of the elevation plane patterns in dBk, it has been Commission policy not to require this duplicative information, and it is not included here. These patterns can, of course, be provided upon request.



HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

060417
Exhibit 31B

New TV Station • Channel 51 • Bend, Oregon

Proposed Elevation Plane Pattern Relative Field Tabulation

Exhibit No.



Date **17 Apr 2006**
 Call Letters **Channel 51**
 Location **Bend, Oregon**
 Customer
 Antenna Type **TFU-16DSB-M**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **16B155150-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.296	2.4	0.886	10.6	0.084	30.5	0.006	51.0	0.017	71.5	0.040
-9.5	0.260	2.6	0.833	10.8	0.076	31.0	0.002	51.5	0.021	72.0	0.032
-9.0	0.200	2.8	0.773	11.0	0.071	31.5	0.006	52.0	0.024	72.5	0.026
-8.5	0.127	3.0	0.707	11.5	0.073	32.0	0.014	52.5	0.027	73.0	0.024
-8.0	0.064	3.2	0.637	12.0	0.085	32.5	0.021	53.0	0.030	73.5	0.025
-7.5	0.072	3.4	0.564	12.5	0.093	33.0	0.027	53.5	0.032	74.0	0.027
-7.0	0.109	3.6	0.491	13.0	0.088	33.5	0.028	54.0	0.034	74.5	0.029
-6.5	0.124	3.8	0.419	13.5	0.071	34.0	0.025	54.5	0.036	75.0	0.031
-6.0	0.105	4.0	0.350	14.0	0.046	34.5	0.017	55.0	0.036	75.5	0.033
-5.5	0.065	4.2	0.286	14.5	0.024	35.0	0.007	55.5	0.033	76.0	0.034
-5.0	0.080	4.4	0.232	15.0	0.024	35.5	0.007	56.0	0.028	76.5	0.034
-4.5	0.159	4.6	0.189	15.5	0.036	36.0	0.019	56.5	0.019	77.0	0.034
-4.0	0.239	4.8	0.161	16.0	0.040	36.5	0.028	57.0	0.008	77.5	0.034
-3.5	0.291	5.0	0.149	16.5	0.033	37.0	0.032	57.5	0.009	78.0	0.033
-3.0	0.297	5.2	0.151	17.0	0.018	37.5	0.031	58.0	0.027	78.5	0.031
-2.8	0.284	5.4	0.159	17.5	0.009	38.0	0.023	58.5	0.047	79.0	0.030
-2.6	0.261	5.6	0.168	18.0	0.026	38.5	0.012	59.0	0.069	79.5	0.028
-2.4	0.230	5.8	0.175	18.5	0.041	39.0	0.017	59.5	0.092	80.0	0.026
-2.2	0.190	6.0	0.177	19.0	0.049	39.5	0.039	60.0	0.115	80.5	0.024
-2.0	0.144	6.2	0.174	19.5	0.047	40.0	0.063	60.5	0.137	81.0	0.022
-1.8	0.100	6.4	0.165	20.0	0.036	40.5	0.088	61.0	0.158	81.5	0.020
-1.6	0.083	6.6	0.152	20.5	0.024	41.0	0.109	61.5	0.177	82.0	0.018
-1.4	0.120	6.8	0.135	21.0	0.023	41.5	0.126	62.0	0.193	82.5	0.016
-1.2	0.188	7.0	0.115	21.5	0.036	42.0	0.136	62.5	0.206	83.0	0.015
-1.0	0.267	7.2	0.093	22.0	0.048	42.5	0.141	63.0	0.215	83.5	0.013
-0.8	0.351	7.4	0.071	22.5	0.051	43.0	0.139	63.5	0.221	84.0	0.011
-0.6	0.437	7.6	0.053	23.0	0.044	43.5	0.131	64.0	0.223	84.5	0.010
-0.4	0.523	7.8	0.043	23.5	0.027	44.0	0.119	64.5	0.222	85.0	0.008
-0.2	0.606	8.0	0.047	24.0	0.009	44.5	0.105	65.0	0.217	85.5	0.007
0.0	0.685	8.2	0.061	24.5	0.030	45.0	0.089	65.5	0.210	86.0	0.006
0.2	0.758	8.4	0.077	25.0	0.059	45.5	0.074	66.0	0.200	86.5	0.005
0.4	0.823	8.6	0.092	25.5	0.084	46.0	0.061	66.5	0.187	87.0	0.004
0.6	0.880	8.8	0.105	26.0	0.101	46.5	0.050	67.0	0.173	87.5	0.003
0.8	0.926	9.0	0.114	26.5	0.109	47.0	0.041	67.5	0.158	88.0	0.002
1.0	0.962	9.2	0.120	27.0	0.107	47.5	0.033	68.0	0.142	88.5	0.001
1.2	0.986	9.4	0.122	27.5	0.097	48.0	0.025	68.5	0.125	89.0	0.001
1.4	0.998	9.6	0.121	28.0	0.080	48.5	0.018	69.0	0.109	89.5	0.000
1.6	0.999	9.8	0.117	28.5	0.060	49.0	0.010	69.5	0.093	90.0	0.000
1.8	0.987	10.0	0.111	29.0	0.041	49.5	0.005	70.0	0.077		
2.0	0.964	10.2	0.103	29.5	0.024	50.0	0.007	70.5	0.063		
2.2	0.930	10.4	0.093	30.0	0.013	50.5	0.013	71.0	0.051		



HAMMETT & EDISON, INC.
 CONSULTING ENGINEERS
 SAN FRANCISCO

060417
 Exhibit 31C