

Exhibit 40 - Statement A  
**NATURE OF THE PROPOSAL - PROPOSED ANTENNA SYSTEM**  
prepared for  
**Lincoln Broadcasting Company**  
KTSF-DT (AUX) San Francisco, California  
DTV Ch. 27 220 kW 400 m

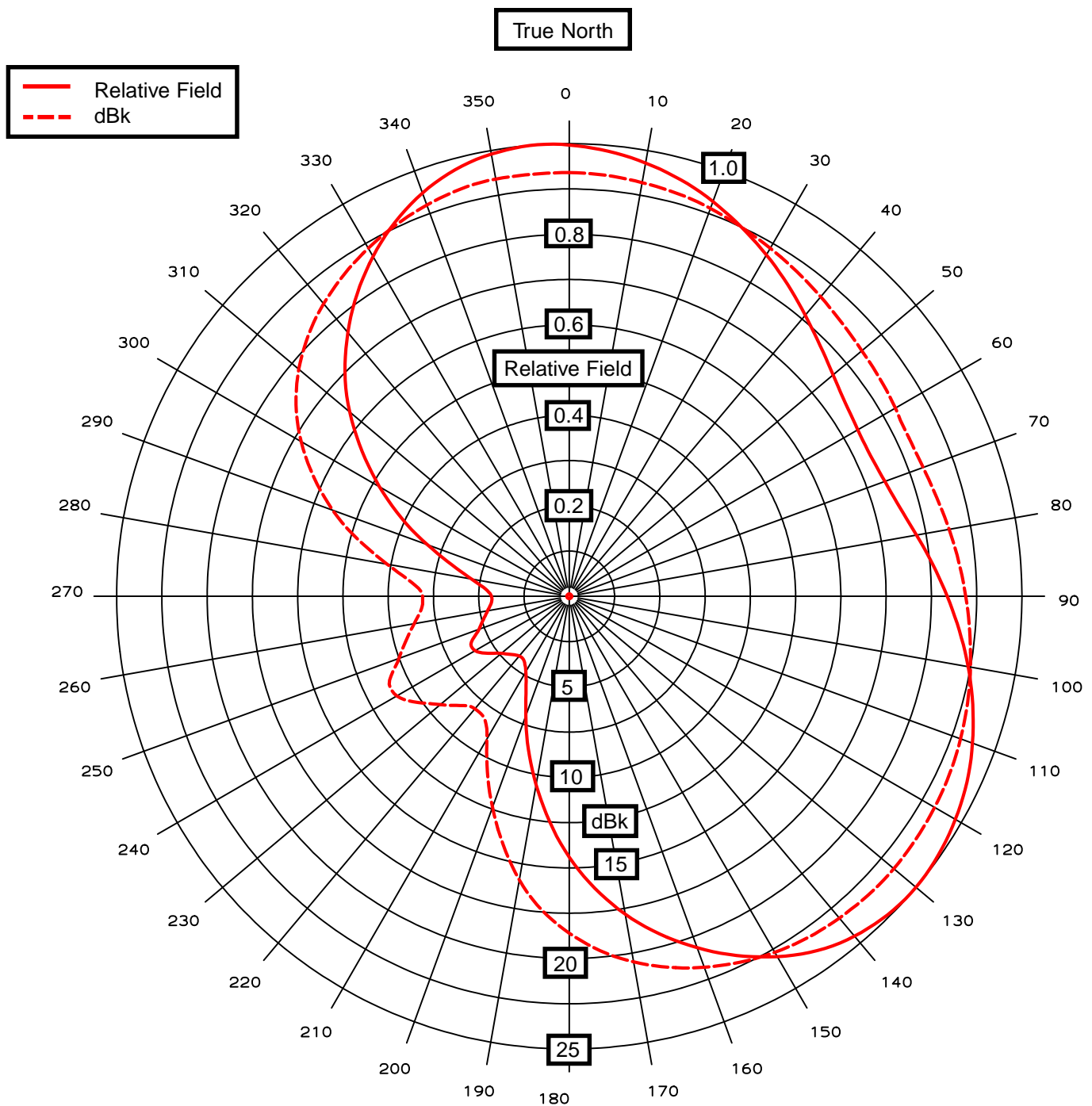
*Lincoln Broadcasting Company* ("*Lincoln*") is the licensee of full-power commercial television station KTSF(TV), NTSC Channel 26, San Francisco, California. *Lincoln* is authorized by the FCC in a construction permit (BMPCDT-20000428AAT) to construct the companion DTV facility for KTSF on Channel 27. Site related and unforeseen equipment issues still delay implementation of the authorized KTSF-DT facility. In the interim, *Lincoln* has requested and received authorization to commence DTV operations from an interim facility located approximately 0.1 kilometers from the authorized KTSF-DT site pursuant to a Special Temporary Authority ("STA") (see BSTADT-20010710ABQ). Now *Lincoln* desires to authorize the KTSF-DT STA facility as an auxiliary antenna facility for KTSF-DT. Accordingly, the instant application has been prepared in support of *Lincoln's* request for a new regularly licensed auxiliary antenna DTV facility for KTSF-DT.

The KTSF construction permit authorizes construction of the KTSF-DT facility on the same tower as the existing KTSF(TV) NTSC facility, which is located at the developed communications site atop Mt. San Bruno. KTSF-DT is authorized to operate with an effective radiated power ("ERP") of 500 kilowatts at 421 meters height above average terrain ("HAAT") using a directional antenna. The site for the proposed KTSF-DT auxiliary antenna facility is located approximately 100 meters from the authorized KTSF-DT site at an existing tower having the Antenna Structure Registration number 1205149.

The proposed auxiliary antenna facility will employ an Andrew ALP24M3-HSPR-27 DTV antenna, which involves a horizontally polarized "peanut" shaped

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directional azimuthal radiation pattern. The antenna will be oriented such that the pattern is rotated 63° clockwise from True North. Further, the maxima for the azimuthal pattern's main lobes will occur between 356° to 357° True and at 130° True. The antenna horizontal plane relative field pattern is provided in **Exhibit 40 - Figure 1**. The antenna vertical plane (elevation) pattern is provided in the attached **Exhibit 40 - Figure 2** and a tabulation of the data is provided in **Attachment 1**.

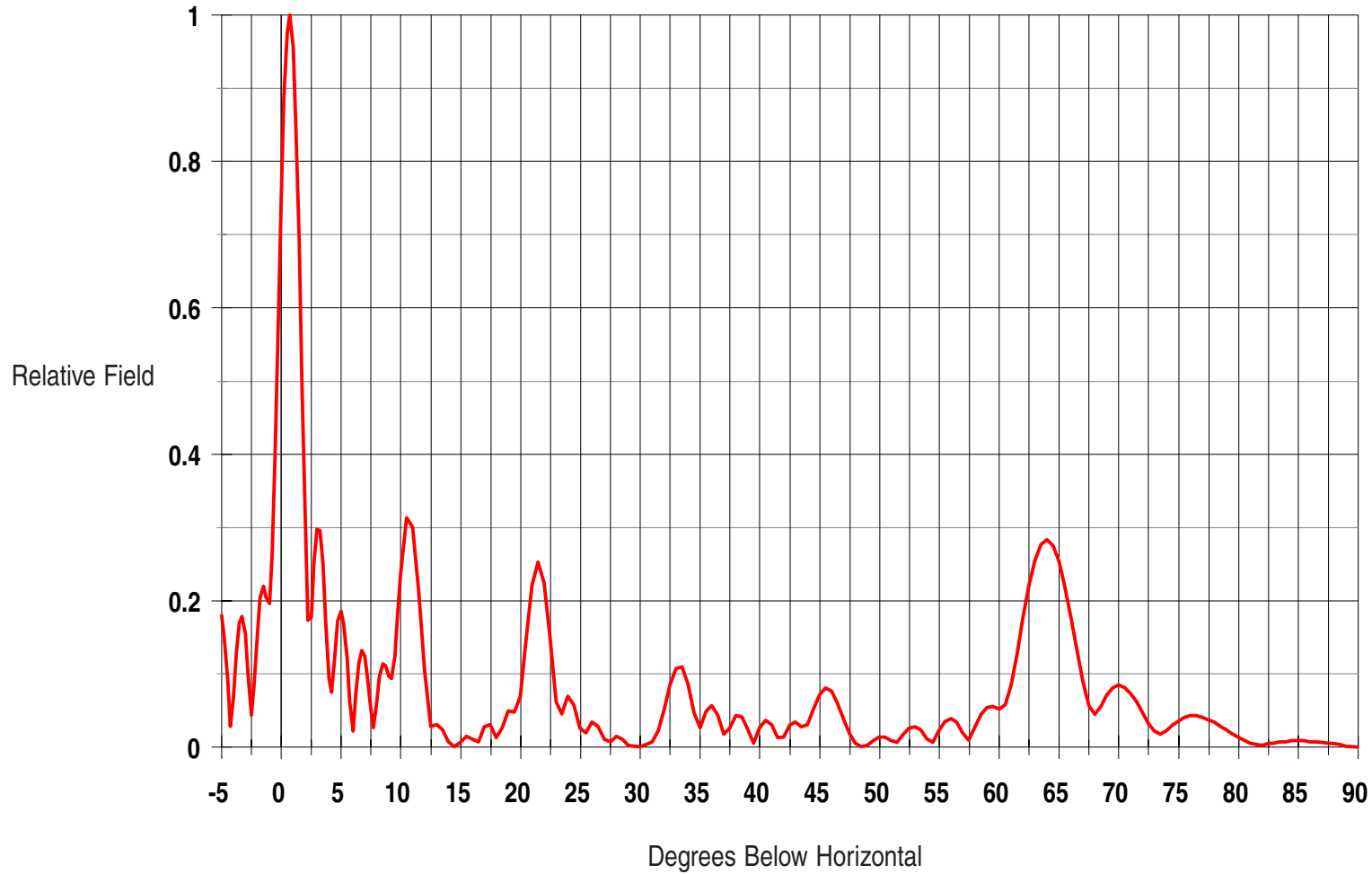


**EXHIBIT 40 - FIGURE 1**  
**HORIZONTAL PLANE RADIATION PATTERN**

prepared April 2002 for  
**Lincoln Broadcasting Company**  
 KTSF-DT (AUX) San Francisco, California  
 Ch. 27 220 kW 400 m

Cavell, Mertz & Davis, Inc.  
 Manassas, Virginia

Exhibit 40 - Figure 2  
**ANTENNA VERTICAL PLANE (ELEVATION) PATTERN**  
prepared for  
**Lincoln Broadcasting Company**  
KTSF-DT (AUX) San Francisco, California  
Ch. 27 220 kW 400 m



## Attachment I



Type: ALP24M3 Beam Tilt: 0.75 deg  
Directivity: 25.2 (14 dB) Chan: 27

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			

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**Company: Lincoln Broadcasting**  
**Site: KTSF-DT Aux**  
**Proposal Number:**

**Date: 07/09/2001**

**Author:**