APPENDIX

MEXICAN ALLOCATION CONSIDERATIONS

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MEXICAN ALLOCATION CONSIDERATIONS

EXPLANATORY STATEMENT

This Appendix to the application for modification of the outstanding construction permit (CP) for KDOC-DT demonstrates that the proposed KDOC-DT operation will not result in increased radiation toward the Mexican DTV reservation allotment at Tijuana, BC, Channel 32, compared with that already sanctioned in the outstanding construction permit. It is axiomatic that no increased interference to the Tijuana allotment will occur if the instant proposal is granted.

Figure A compares the important parameters for the authorized and proposed KDOC-DT facilities. The significant difference is in the antenna that is now proposed to be employed. The new antenna will consist of an array of three tiers of panels with a different electrical beam for each tier in order to accommodate to the service and protection requirements in the various panel directions. With respect to the Mexican allotment, the antenna has been configured to suppress radiation toward the common border so that the proposed radiation will not exceed that already authorized.

Figure B depicts the locations of the KDOC-DT and Tijuana transmitters. The Memorandum of Understanding (MOU) includes a less than 275 kilometer distance from the common border for the touchstone for mutual notification of facility proposals and modifications. A ray from KDOC-DT to the Mexican border that corresponds to the 275 kilometer notification distance is shown. The bearing from KDOC-DT to this point on the Mexican border is 129° True. The distance from the Tijuana, Channel 32, allotment site is 118 kilometers. This distance is greater than can be expected for service from a

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Explanatory Statement

UHF DTV station. Nevertheless, the studies prepared for KDOC-DT demonstrate no

increased radiation at the common boundary anywhere from 129° True westward to the

Pacific Ocean.

The map of Figure C shows the initial study point (Point A) on the Mexican

border and additional study points along the border at 5° azimuthal intervals beginning

with 135° True and extending to 155° True. Geographic coordinates were determined for

the study points to assist in the ensuing calculations.

The depression angles from the KDOC-DT radiation center to the identified

boundary points have been calculated using the formula given in the FCC, Office of the

Chief Engineer, Research Division, Report No. R-6410, entitled, "Elevation and

Depression Angle Tables". The publication date is September 15, 1964. The calculation

results are included in Figure D. The depression angles vary from 0.9° to 1.3° below the

horizontal plane. The terrain elevations for the study locations were obtained from the

U. S. Geological Survey 3-arcsecond terrain elevation database.

Figure E consists of a series of azimuthal patterns for the proposed KDOC-DT

operation at 0.1° vertical increments covering the 0.9°-1.3° range of depression angles to

the Mexican border. Each pattern has been normalized to be consistent with normal

practice, and the maximum effective radiated power associated with each pattern is

indicated. The patterns were created from the data included in the 28 sheet tabulation of

Figure 3 that is part of this Engineering Exhibit. Figure F is the tabular listing of the data

for the Figure E patterns.

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Explanatory Statement

        The graphs of Figure G compare the authorized, i.e., CP, vertical radiation

patterns with the proposed radiation patterns. Each graph shows the horizontal plane and

the depression angle below the horizontal plane to the previously identified study point.

In each instance, the radiation proposed is less than the CP level to the Mexican border.

The proposed radiation exceeds the authorized radiation only within U.S. territory. Figure

H is the tabulation of data used to prepare the graphs of Figure G. Figures I, J, and K are

copies of the azimuth pattern, vertical plane pattern, and tabulation of vertical plane data,

respectively, for the authorized KDOC-DT operation. This material was used to prepare

the vertical plane graphs for the CP operation as depicted in Figure G. The material is

presented for convenience in reviewing the work effort.

FIGURE A

SUMMARY OF AUTHORIZED CP AND PROPOSED KDOC-DT PARAMETERS

	Authorized Construction Permit (CP)	Proposed
Site Coordinates: (N. Lat./W. Long.)	34° 13' 37" 118° 03' 58"	34° 13' 35" 118° 03' 58"
Channel	32	32
Maximum Effective Radiated Power (ERP)	200 kW	1000 kW
Antenna Radiation Center: AMSL (meters) AAT (meters)	1847 960	1827 938
Antenna Type	slotted coaxial	custom panel
Antenna Electrical Beam Tilt	1°	Min. 1.5°@ 310° T. Max. 2.8°@ 150° T.
Antenna Mechanical Tilt	none	none

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San Bernardino

Los Angeles

PROPOSED
KDOC-DT, CH 32

34° 13' 35" N. LAT.
118° 03' 58" W. LONG.

275 KM (COORDINATION NOTIFICATION DISTANCE)

Riverside

San Diego

Imperial

129° TRUE

TIJUANA, BC, CH. 32
ALLOTMENT REFERENCE

32° 30' 05" N. LAT.
117° 02' 23" W. LONG.

118 KM

BORDER PT. A

32° 38' 35" N. LAT.
115° 47' 13" W. LONG.

N32°00'00.00"
W118°00'00.00"

KILOMETERS

-25   0   50

TIJUANA, BC, CH. 32
ALLOTMENT PROTECTION GEOMETRY

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT, ANAHEIM, CALIFORNIA
CH. 32   1000 KW AVG. (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer

FIGURE C

FEBRUARY 2002

KDOCDT

Los Angeles

Orange

San Diego

Imperial

POINT	COORDINATES	FROM KDOC-DT	
	(N, LAT./W. LONG.)	AZIMUTH (DEG. T.)	DIST. (KM)
A	32° 38' 35" 115° 47' 13"	129	275
B	32° 36' 40" 116° 10' 00"	135	252
C	32° 35' 18" 116° 26' 47"	140	236
D	32° 34' 15" 116° 41' 50"	145	224
E	32° 33' 12" 116° 55' 27"	150	214
F	32° 32' 10" 117° 07' 59"	155	207

N32°00'00.00"
W118°00'00.00"

KILOMETERS

-25   0   50

TIJUANA, BC, CH. 32
ALLOTMENT PROTECTION STUDY POINTS

GOLDEN ORANGE BROADCASTING CO., INC.
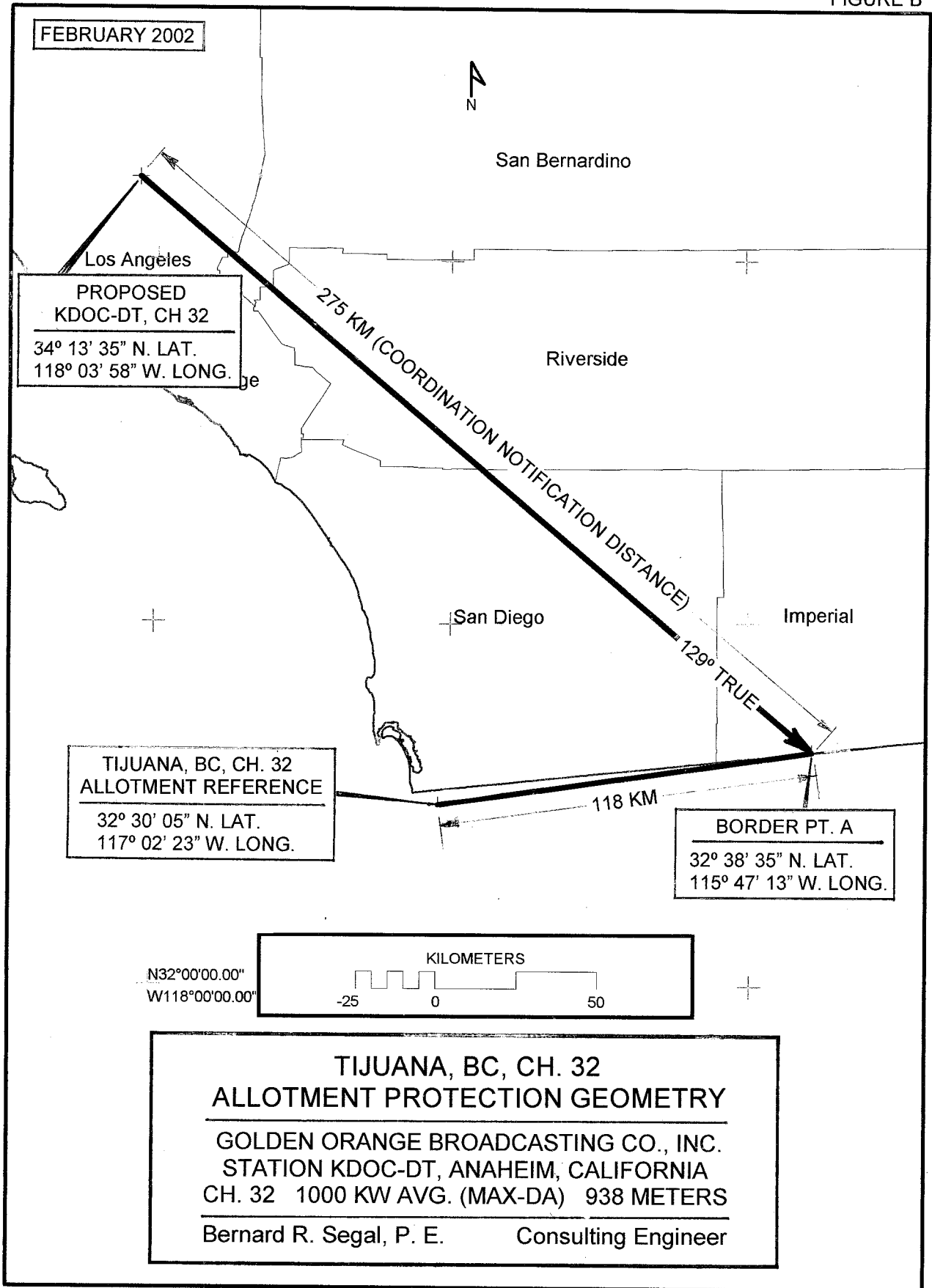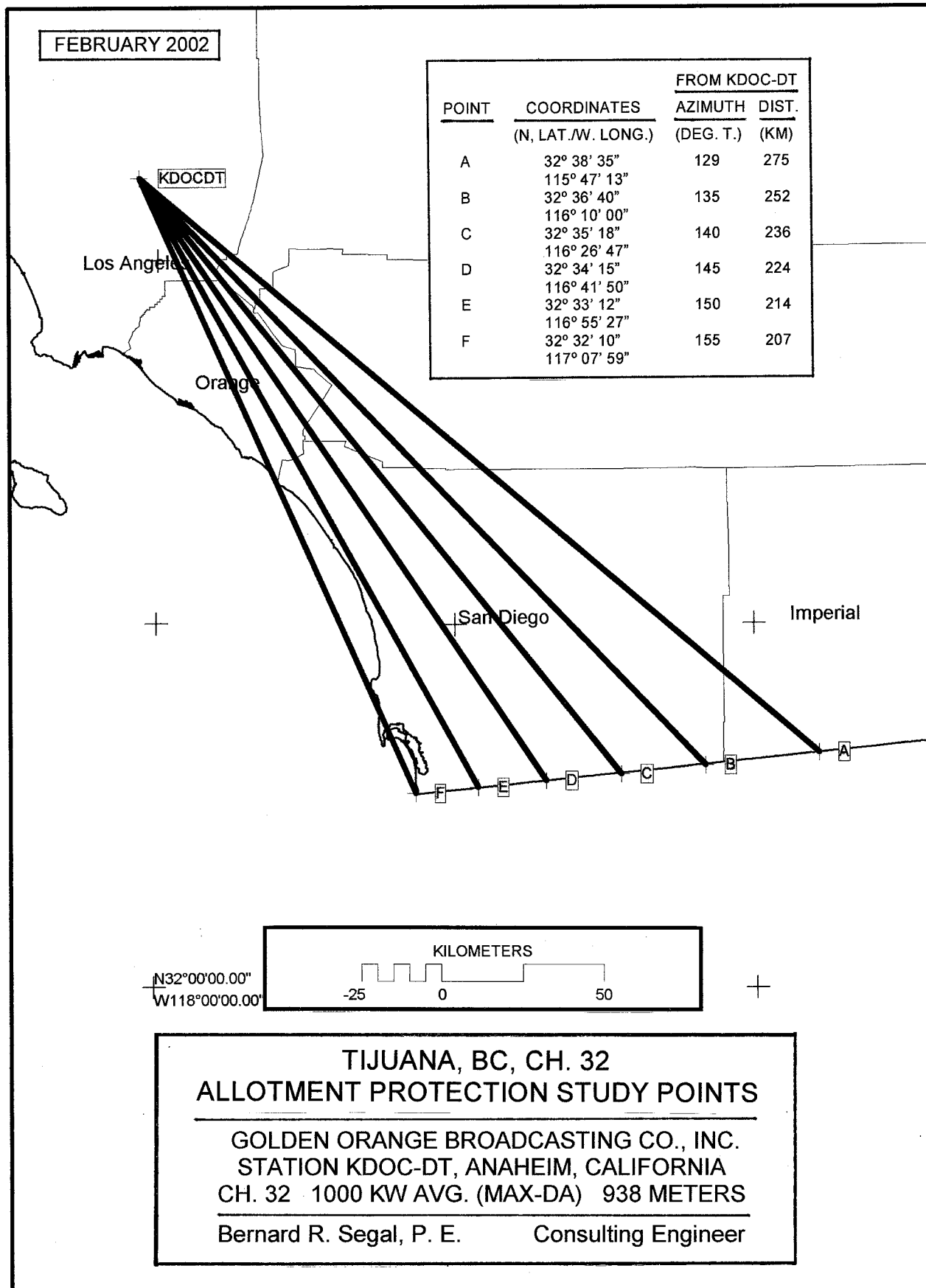STATION KDOC-DT, ANAHEIM, CALIFORNIA
CH. 32   1000 KW AVG. (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer

FIGURE D

DEPRESSION ANGLES TO TIJUANA, CH. 32, ALLOTMENT PROTECTION STUDY POINTS

POINT	GEOGRAPHIC COORDINATES	FROM KDOC-DT AZIMUTH	DISTANCE	ELEVATION AT POINT	POINT HEIGHT DIFFERENTIAL	DEPRESSION ANGLE
	(N. L./ W. L.)	(DEG. T)	(KM)	(mAMSL)	(meters)	(degrees)
A	32° 38' 35" 115° 47' 13"	129	275	73.2	-1663.9	1.3
B	32° 36' 40" 116° 10' 00"	135	252	871.1	-865.9	1.1
C	32° 35' 18" 116° 26' 47"	140	236	976.0	-761.1	1.0
D	32° 34' 15" 116° 55' 27"	145	224	1018.0	-719.0	0.9
E	32° 33' 12" 116° 55' 27"	150	214	166.1	-1570.9	1.2
F	32° 32' 10" 117° 07' 59	155	207	0.0	-1737.1	1.2

Notes: The formula used for determining the depression angles is the one given in the FCC, Office of the Chief Engineer, Research Division, Report No. R-6410, entitled, "Elevation and Depression Angle Tables" The publication date is September 15, 1964. The formula is given in English units using a 4/3 earth's radius of 5280 miles. The metric values given in the above tabulation were converted from the English values, thereby resulting in some small rounding errors. The KDOC-DT antenna radiation center height used is 1737.1 meters (5699 feet) above mean sea level.
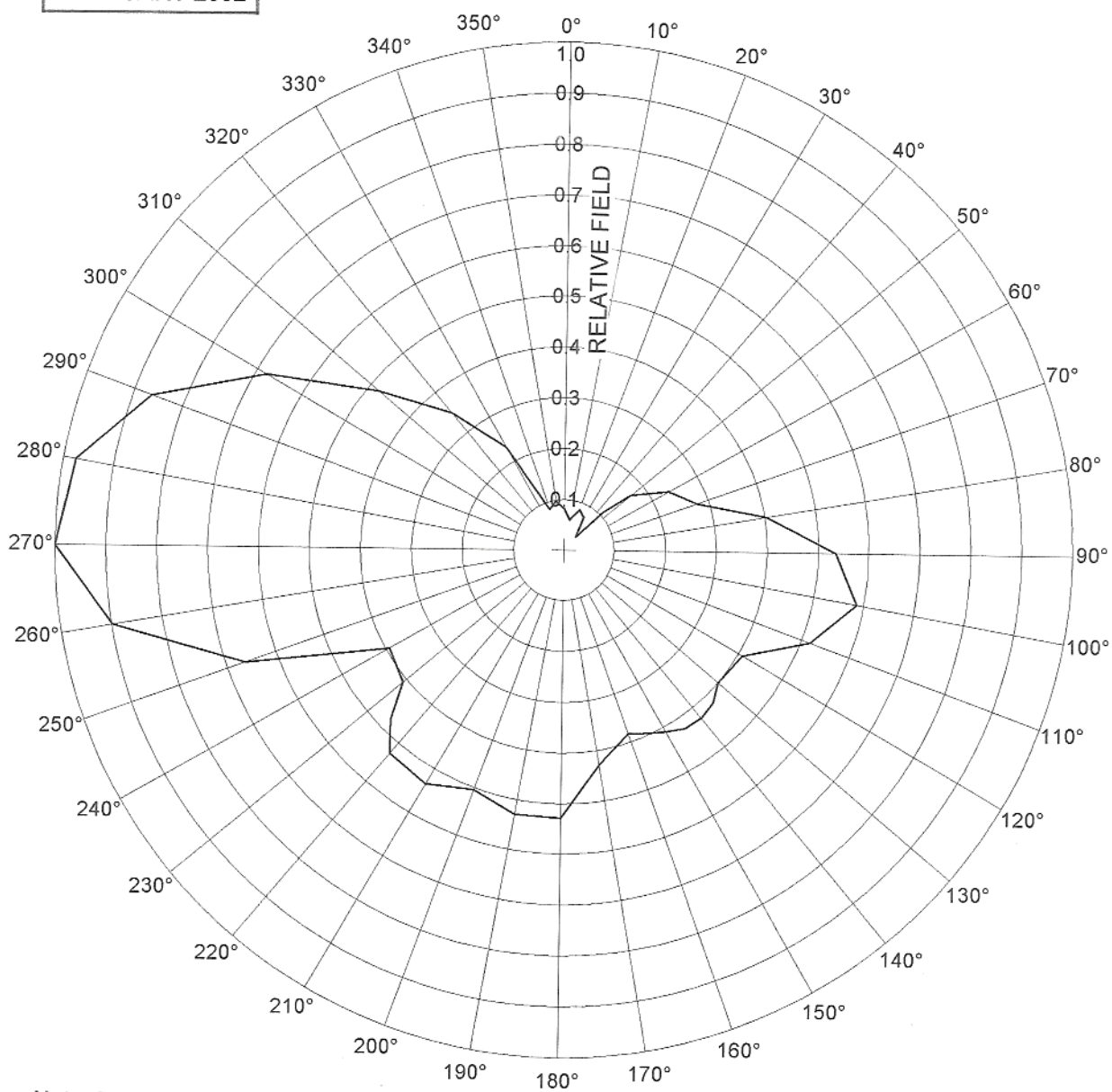
FEBRUARY 2002
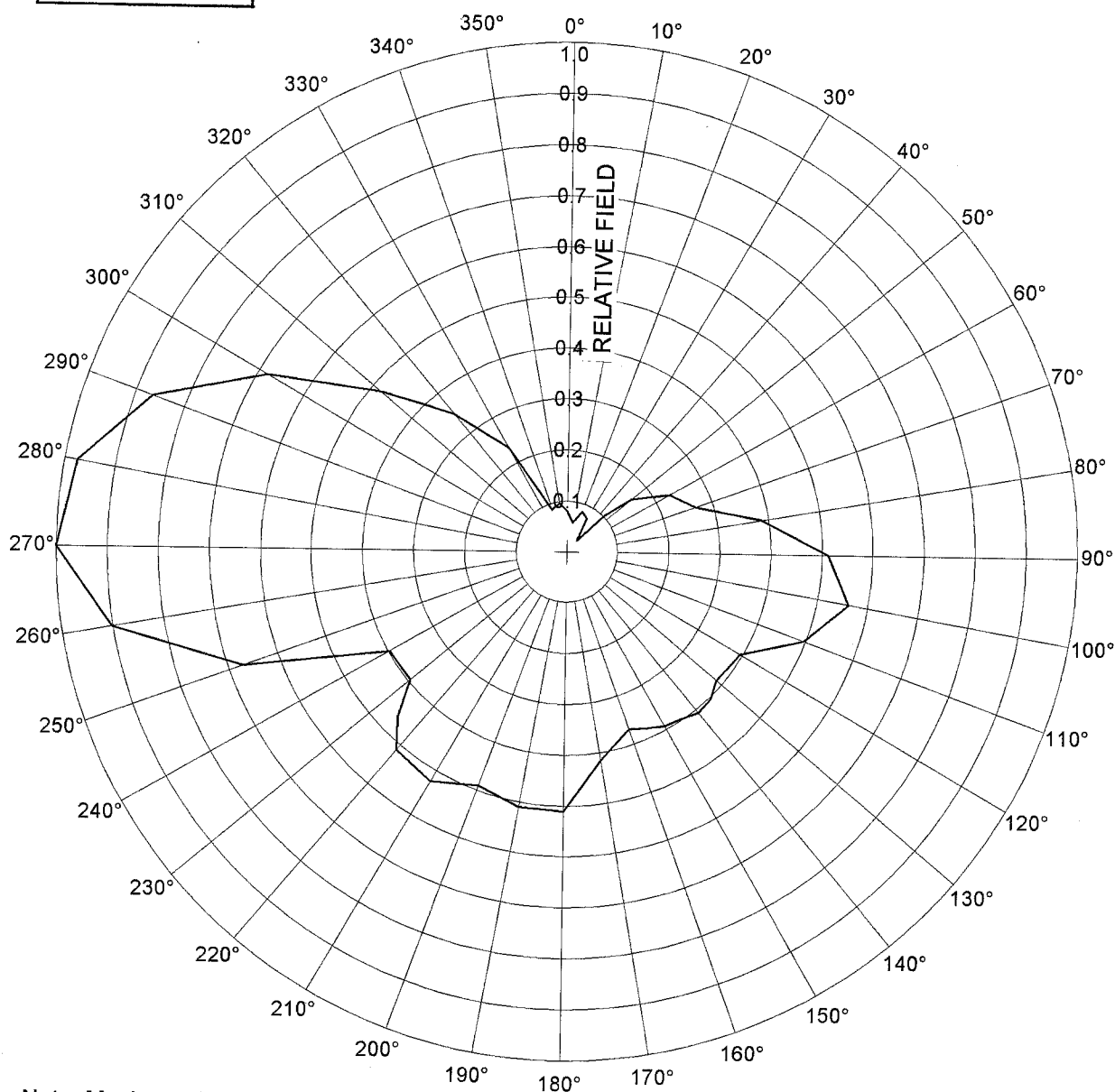
Note: Maximum ERP = 778 KW

PROPOSED AZIMUTH PATTERN AT
0.9º DEPRESSION ANGLE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT   ANAHEIM, CALIFORNIA
CH.32   1000 KW (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer

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RELATIVE FIELD

Note: Maximum ERP = 826 KW

PROPOSED AZIMUTH PATTERN AT
1.0° DEPRESSION ANGLE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT   ANAHEIM, CALIFORNIA
CH.32   1000 KW (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer

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Note: Maximum ERP = 870 KW

PROPOSED AZIMUTH PATTERN AT
1.1º DEPRESSION ANGLE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT   ANAHEIM, CALIFORNIA
CH.32   1000 KW (MAX-DA)   938 METERS

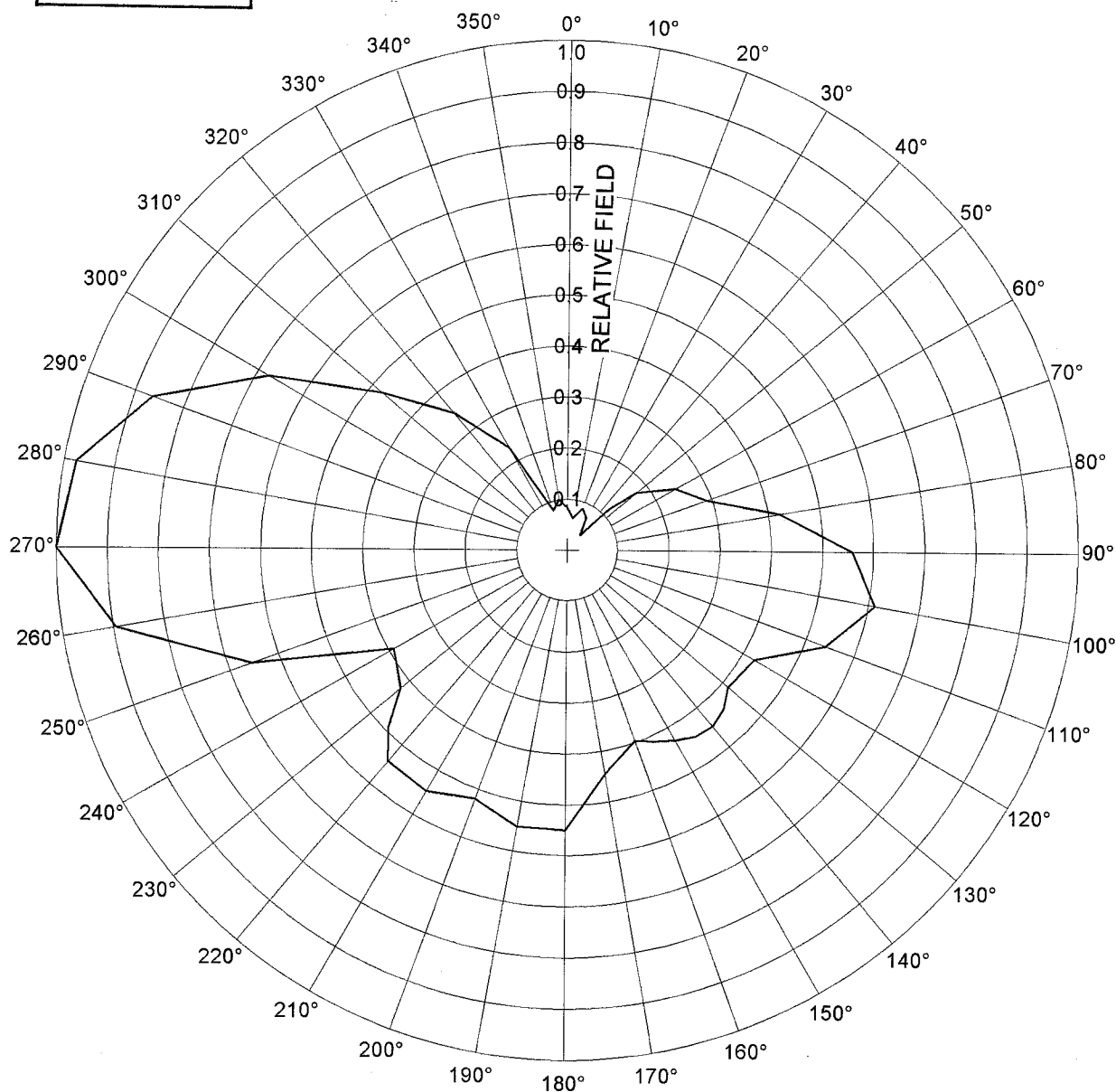Bernard R. Segal, P. E.   Consulting Engineer

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Note: Maximum ERP = 907 KW

PROPOSED AZIMUTH PATTERN AT
1.2° DEPRESSION ANGLE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT   ANAHEIM, CALIFORNIA
CH.32   1000 KW (MAX-DA)   938 METERS

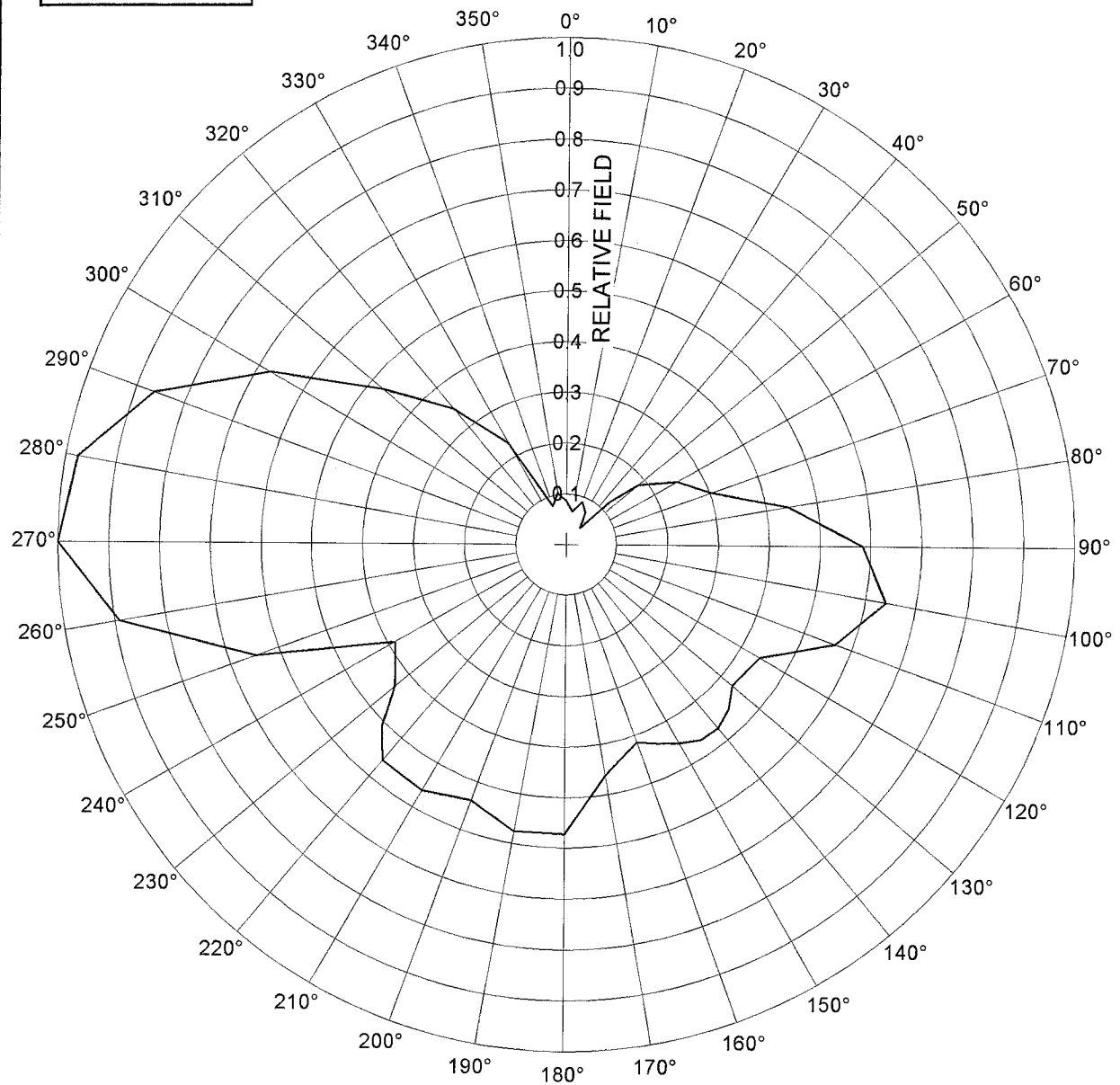Bernard R. Segal, P. E.   Consulting Engineer

FEBRUARY 2002

RELATIVE FIELD

Note: Maximum ERP = 939 KW

PROPOSED AZIMUTH PATTERN AT
1.3º DEPRESSION ANGLE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT   ANAHEIM, CALIFORNIA
CH.32   1000 KW (MAX-DA)   938 METERS

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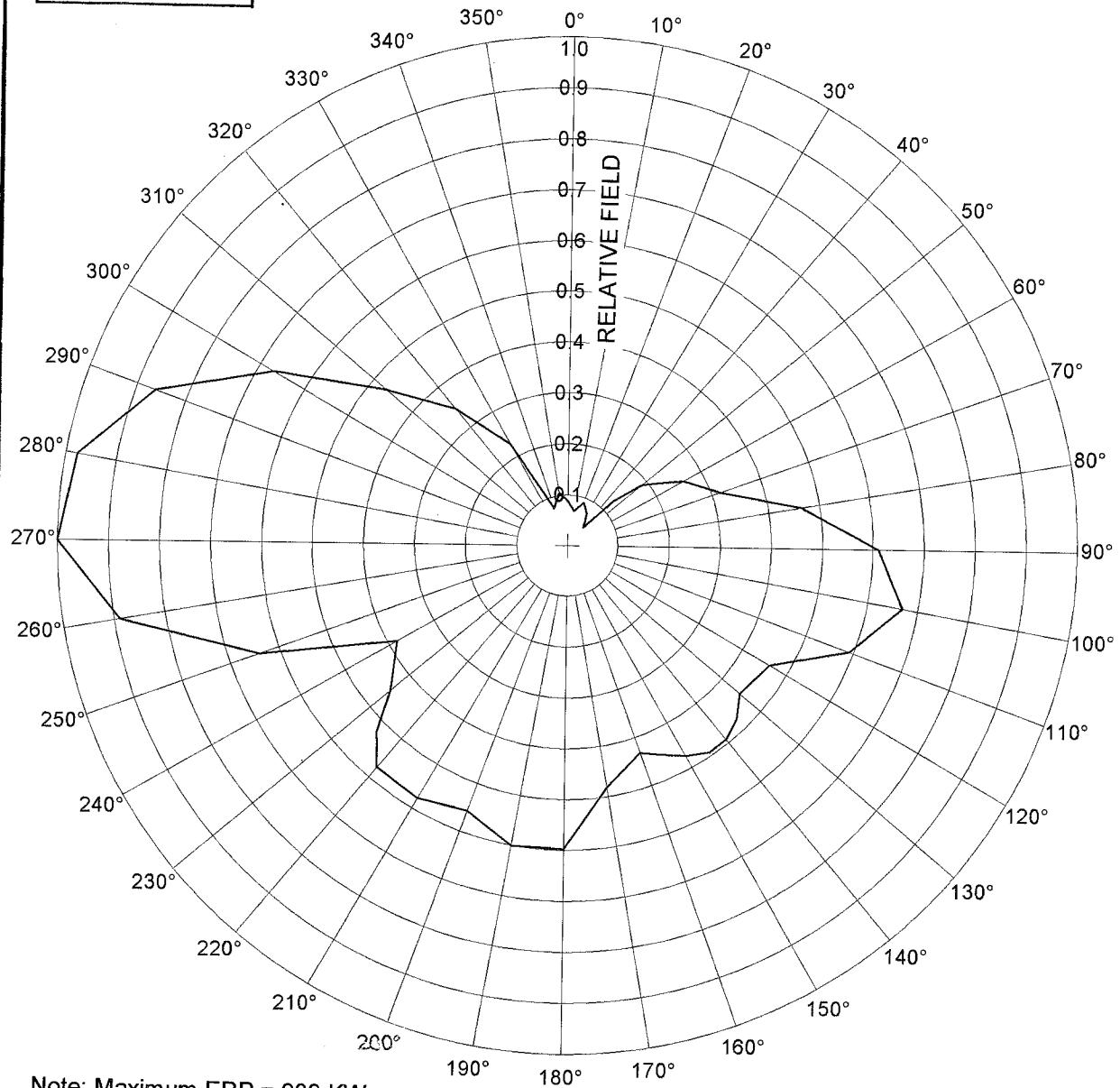
Tabulation of Data for KDOC-DT Azimuth Patterns

Depression Angle (Degrees Below the Horizontal Plane)

Azimuth (Deg. T.)	0.9 Relative Field*	0.9 Figure E Normalized Value	1.0 Relative Field*	1.0 Figure E Normalized Value	1.1 Relative Field*	1.1 Figure E Normalized Value	1.2 Relative Field*	1.2 Figure E Normalized Value
0	0.0699	0.0792	0.0734	0.0807	0.0771	0.0827	0.0807	0.0847
10	0.0522	0.0592	0.0558	0.0614	0.0595	0.0638	0.0632	0.0664
20	0.0737	0.0835	0.0774	0.0851	0.0810	0.0869	0.0845	0.0887
30	0.0668	0.0757	0.0679	0.0747	0.0689	0.0739	0.0699	0.0734
40	0.0261	0.0296	0.0309	0.0340	0.0358	0.0384	0.0408	0.0428
45	0.0892	0.1011	0.0971	0.1068	0.1050	0.1126	0.1128	0.1184
50	0.1441	0.1633	0.1541	0.1695	0.1641	0.1760	0.1739	0.1826
60	0.2024	0.2294	0.2143	0.2357	0.2265	0.2429	0.2388	0.2507
70	0.2349	0.2662	0.2519	0.2771	0.2696	0.2891	0.2879	0.3023
80	0.3395	0.3848	0.3660	0.4026	0.3933	0.4218	0.4212	0.4422
90	0.4513	0.5115	0.4852	0.5337	0.5199	0.5575	0.5551	0.5828
100	0.4950	0.5610	0.5319	0.5851	0.5698	0.6110	0.6082	0.6385
110	0.4369	0.4952	0.4694	0.5163	0.5031	0.5395	0.5375	0.5643
120	0.3478	0.3942	0.3710	0.4081	0.3951	0.4237	0.4200	0.4409
130	0.3409	0.3864	0.3631	0.3994	0.3857	0.4136	0.4087	0.4291
135	0.3556	0.4030	0.3811	0.4192	0.4072	0.4367	0.4337	0.4553
140	0.3597	0.4077	0.3878	0.4266	0.4167	0.4469	0.4462	0.4685
145	0.3500	0.3967	0.3850	0.4235	0.4130	0.4429	0.4450	0.4672
150	0.3455	0.3916	0.3719	0.4091	0.3997	0.4286	0.4286	0.4500
155	0.3353	0.3800	0.3592	0.3951	0.3843	0.4121	0.4106	0.4311
160	0.3253	0.3687	0.3470	0.3817	0.3699	0.3967	0.3938	0.4134
170	0.3656	0.4144	0.3894	0.4283	0.4143	0.4443	0.4399	0.4618
180	0.4495	0.5095	0.4801	0.5281	0.5120	0.5491	0.5446	0.5718
190	0.4494	0.5094	0.4805	0.5285	0.5130	0.5501	0.5466	0.5739
200	0.4323	0.4900	0.4576	0.5034	0.4841	0.5191	0.5116	0.5371
210	0.4615	0.5231	0.4858	0.5344	0.5102	0.5471	0.5347	0.5614
220	0.4518	0.5121	0.4787	0.5266	0.5051	0.5417	0.5309	0.5574
225	0.4064	0.4606	0.4328	0.4761	0.4585	0.4917	0.4834	0.5075
230	0.3489	0.3954	0.3718	0.4090	0.3939	0.4224	0.4152	0.4359
240	0.3505	0.3973	0.3578	0.3936	0.3635	0.3898	0.3677	0.3860
250	0.5927	0.6718	0.6033	0.6636	0.6112	0.6554	0.6165	0.6472
260	0.7956	0.9017	0.8166	0.8983	0.8345	0.8949	0.8492	0.8915
270	0.8823	1.0000	0.9091	1.0000	0.9325	1.0000	0.9525	1.0000
280	0.8596	0.9743	0.8863	0.9749	0.9097	0.9755	0.9298	0.9762
290	0.7642	0.8661	0.7867	0.8654	0.8061	0.8645	0.8227	0.8637
300	0.6017	0.6820	0.6171	0.6788	0.6301	0.6757	0.6408	0.6728

Tabulation of Data for KDOC-DT Azimuth Patterns

Depression Angle (Degrees Below the Horizontal Plane)

	0.9		1.0		1.1		1.2	
		Figure E		Figure E		Figure E		Figure E
Azimuth	Relative	Normalized	Relative	Normalized	Relative	Normalized	Relative	Normalized
(Deg. T.)	Field*	Value	Field*	Value	Field*	Value	Field*	Value
310	0.4258	0.4826	0.4358	0.4794	0.4440	0.4761	0.4505	0.4730
315	0.3567	0.4043	0.3659	0.4025	0.3736	0.4006	0.3800	0.3990
320	0.3082	0.3493	0.3171	0.3488	0.3248	0.3483	0.3313	0.3478
330	0.2067	0.2343	0.2115	0.2326	0.2156	0.2312	0.2190	0.2299
340	0.0775	0.0878	0.0777	0.0855	0.0774	0.0830	0.0767	0.0805
350	0.0851	0.0965	0.0895	0.0984	0.0938	0.1006	0.0978	0.1027

*The relative field values in this column are referenced to a maximum effective radiated power of 1000 kW. The maximum effective radiated power reference for each Figure E normalized pattern is obtained by squaring the relative field column value at 270° True and multiplying the result by 1000 kW.

Tabulation of Data for KDOC-DT Azimuth Patterns

Depression Angle
(Degrees Below the Horizontal Plane)

Azimuth (Deg. T.)	1.3	
	Relative Field*	Figure E Normalized Value
0	0.0844	0.0871
10	0.0668	0.0689
20	0.0879	0.0907
30	0.0707	0.0730
40	0.0458	0.0473
45	0.1205	0.1244
50	0.1836	0.1895
60	0.2512	0.2592
70	0.3066	0.3164
80	0.4491	0.4635
90	0.5903	0.6092
100	0.6468	0.6675
110	0.5723	0.5906
120	0.4452	0.4594
130	0.4316	0.4454
135	0.4601	0.4748
140	0.4759	0.4911
145	0.4770	0.4923
150	0.4581	0.4728
155	0.4375	0.4515
160	0.4183	0.4317
170	0.4659	0.4808
180	0.5777	0.5962
190	0.5807	0.5993
200	0.5395	0.5568
210	0.5589	0.5768
220	0.5558	0.5736
225	0.5073	0.5235
230	0.4355	0.4494
240	0.3705	0.3824
250	0.6191	0.6389
260	0.8606	0.8881
270	0.9690	1.0000
280	0.9464	0.9767
290	0.8361	0.8628

Tabulation of Data for KDOC-DT Azimuth Patterns

Depression Angle
(Degrees Below the Horizontal Plane)
1.3

Azimuth (Deg. T.)	Relative Field*	Figure E Normalized Value
300	0.6489	0.6697
310	0.4552	0.4698
315	0.3849	0.3972
320	0.3366	0.3474
330	0.2216	0.2287
340	0.0755	0.0779
350	0.1016	0.1049

*The relative field values in this column are referenced to a maximum effective radiated power of 1000 kW. The maximum effective radiated power reference for each Figure E normalized pattern is obtained by squaring the relative field column value at 270° True and multiplying the result by 1000 kW.
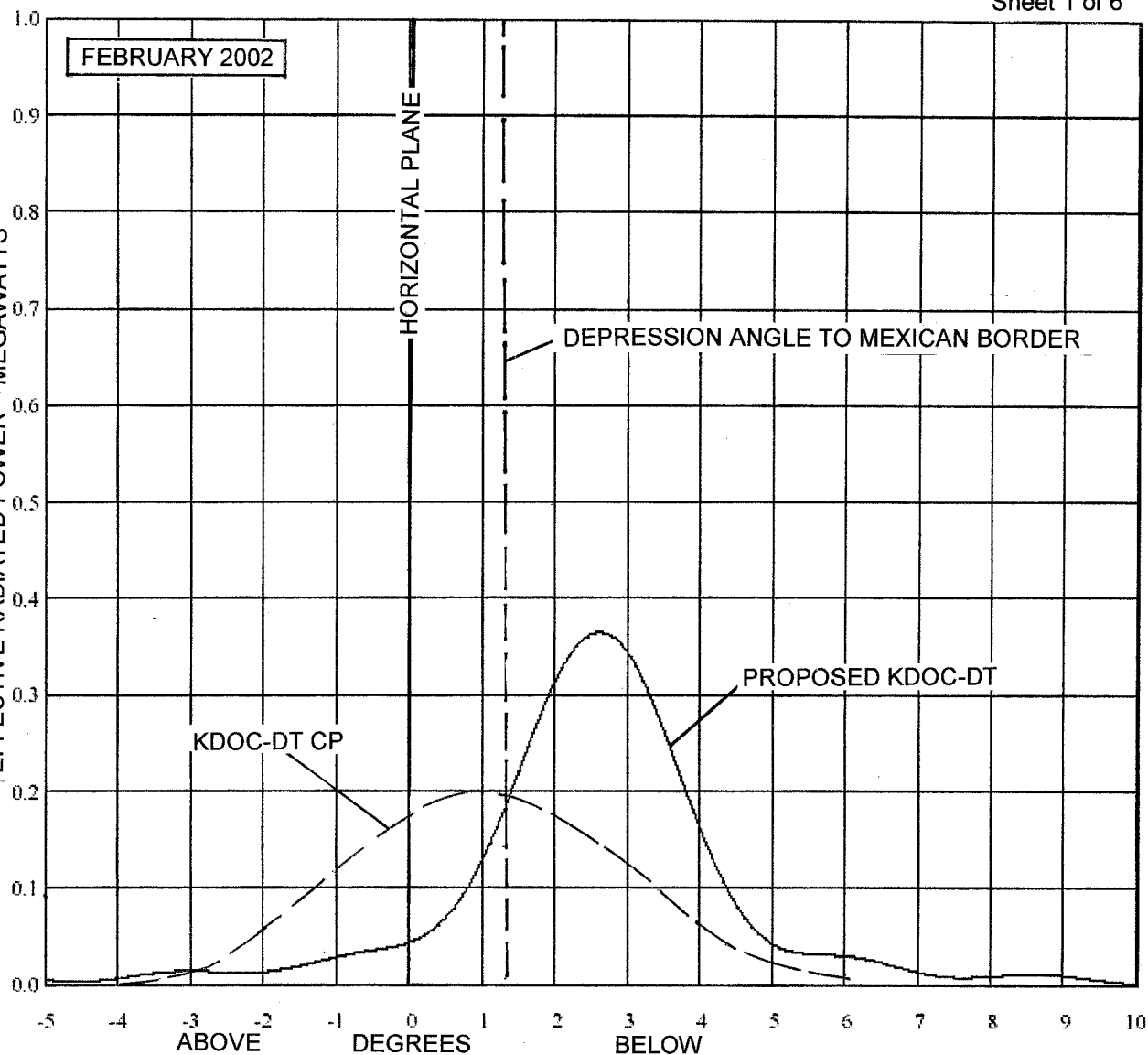
CP AND PROPOSED KDOC-DT VERTICAL
PLANE RADIATION PATTERNS AT 129° TRUE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT, ANAHEIM, CALIFORNIA
CH. 32   1000 KW AVG. (MAX-DA)   938 METERS

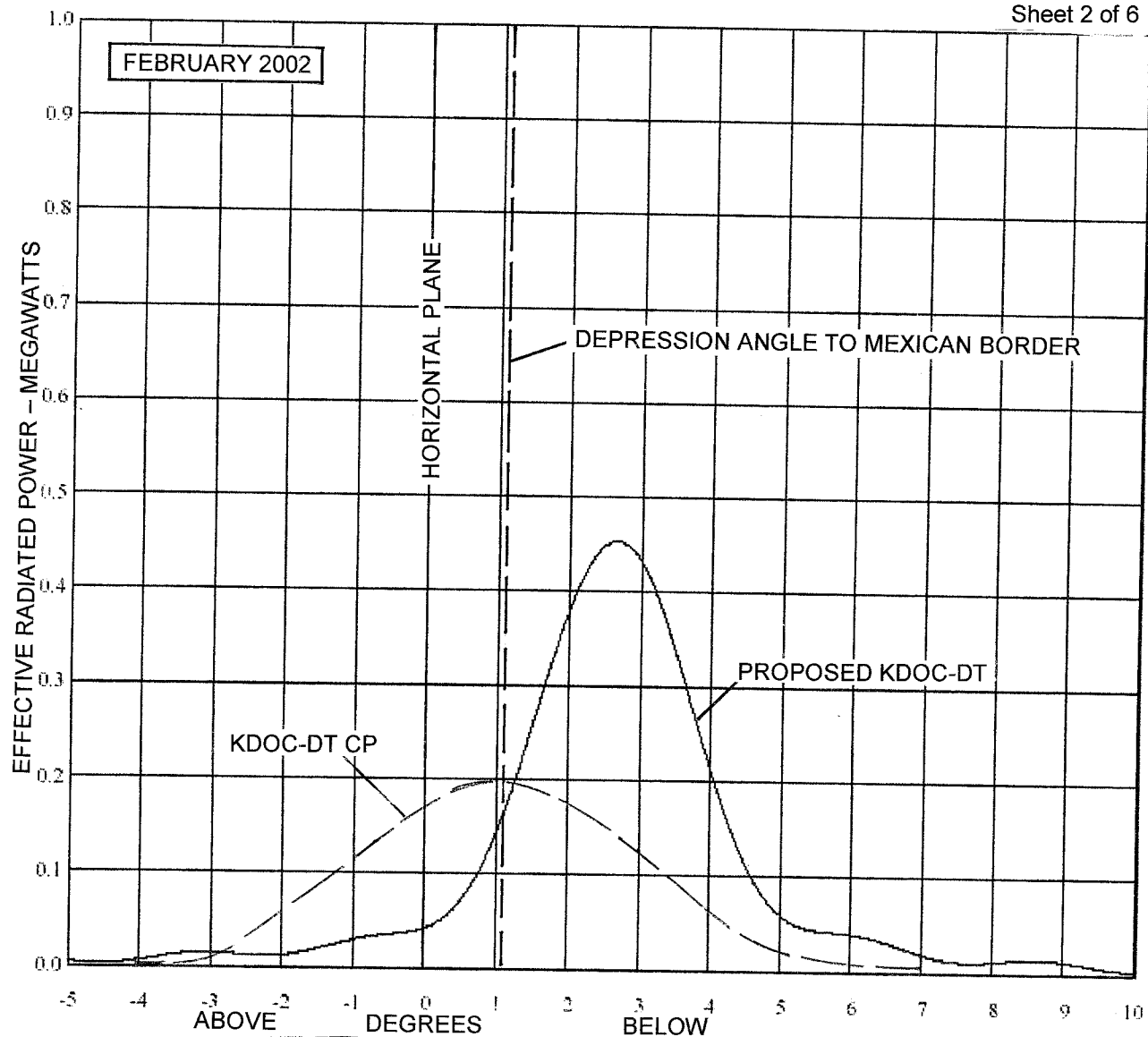Bernard R. Segal, P. E.   Consulting Engineer

CP AND PROPOSED KDOC-DT VERTICAL
PLANE RADIATION PATTERNS AT 135° TRUE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT, ANAHEIM, CALIFORNIA
CH. 32   1000 KW AVG. (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer

CP AND PROPOSED KDOC-DT VERTICAL
PLANE RADIATION PATTERNS AT 140° TRUE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT, ANAHEIM, CALIFORNIA
CH. 32   1000 KW AVG. (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer
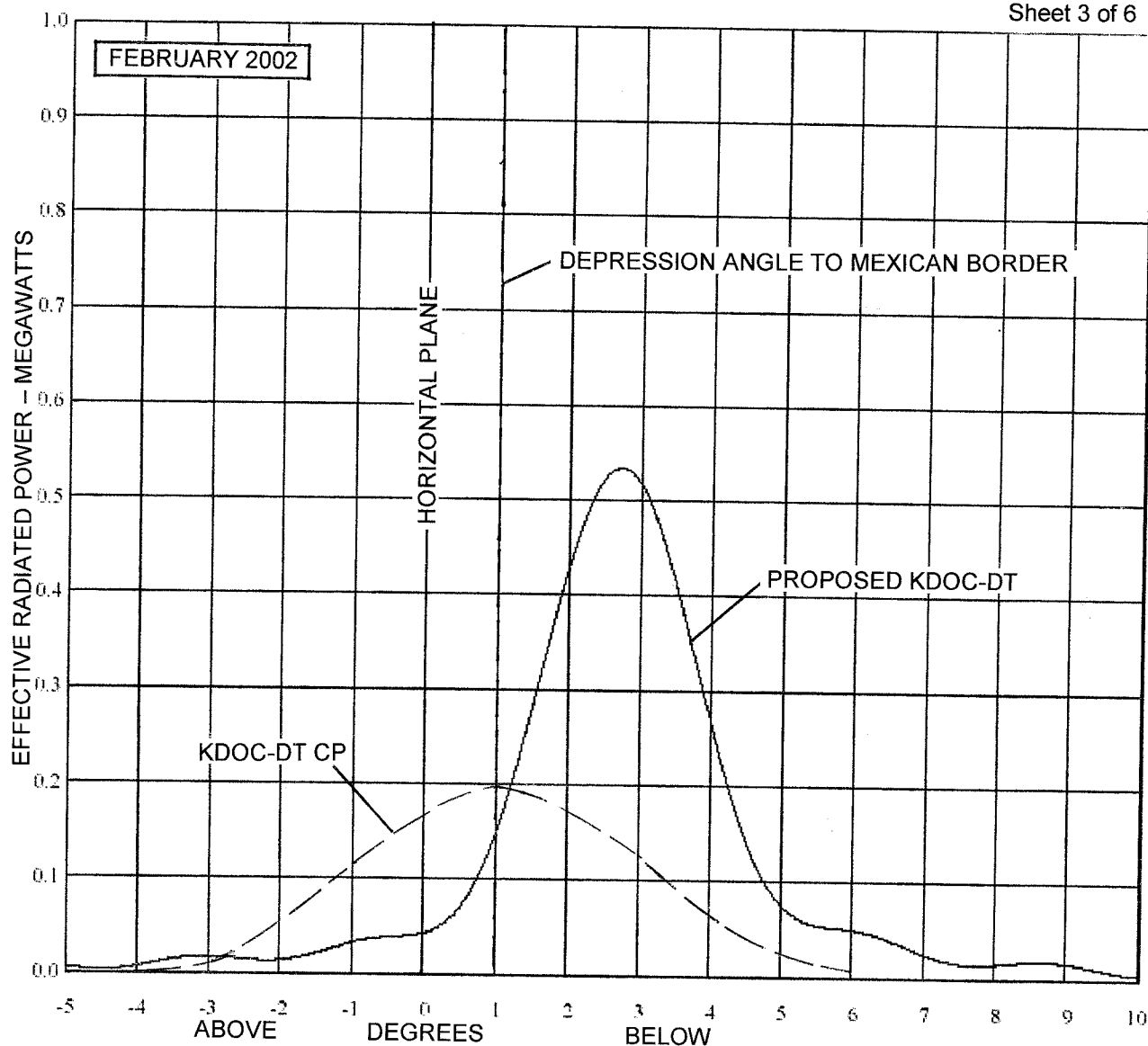
CP AND PROPOSED KDOC-DT VERTICAL
PLANE RADIATION PATTERNS AT 145° TRUE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT, ANAHEIM, CALIFORNIA
CH. 32   1000 KW AVG. (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer

CP AND PROPOSED KDOC-DT VERTICAL
PLANE RADIATION PATTERNS AT 150° TRUE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT, ANAHEIM, CALIFORNIA
CH. 32   1000 KW AVG. (MAX-DA)   938 METERS

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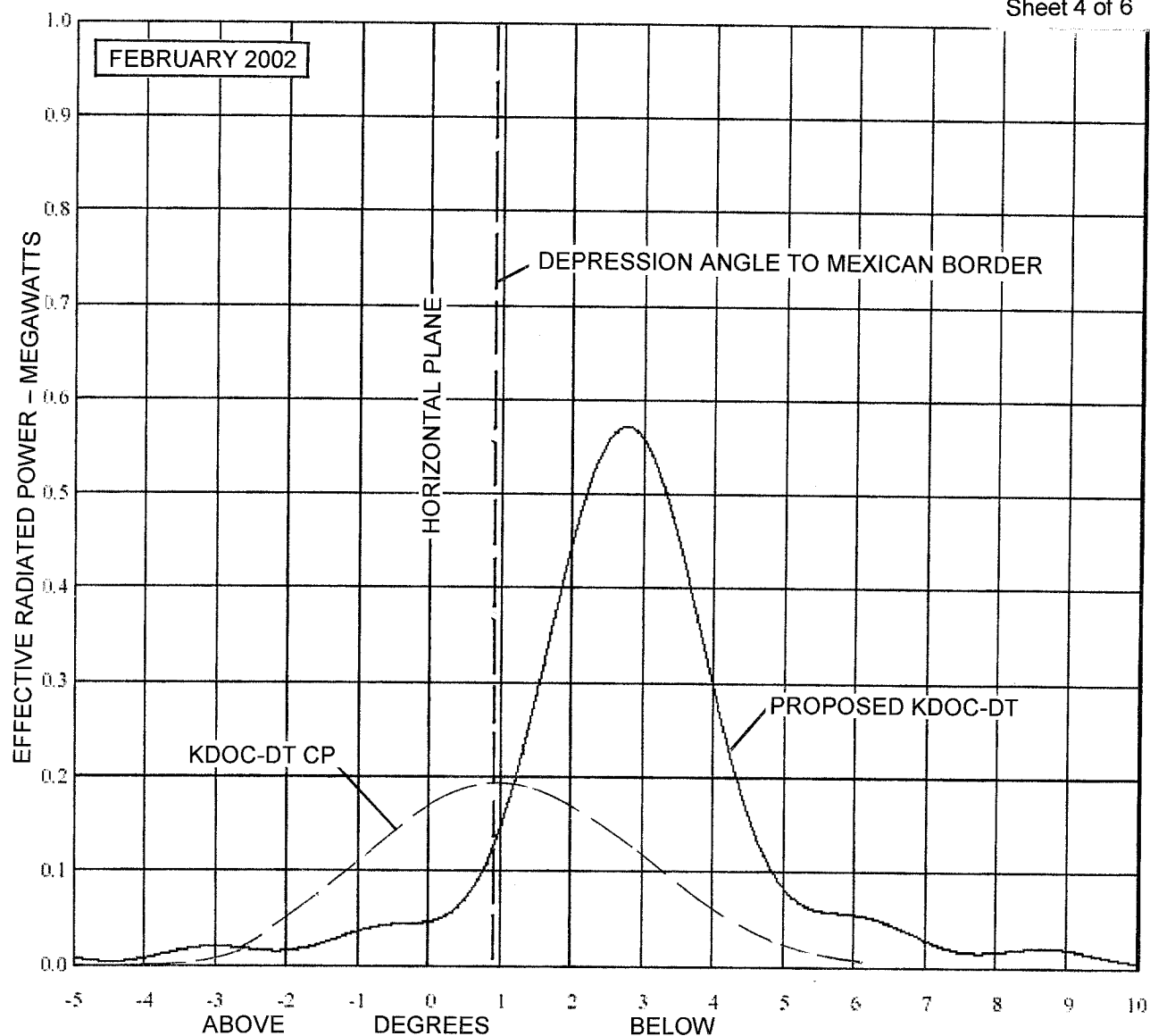
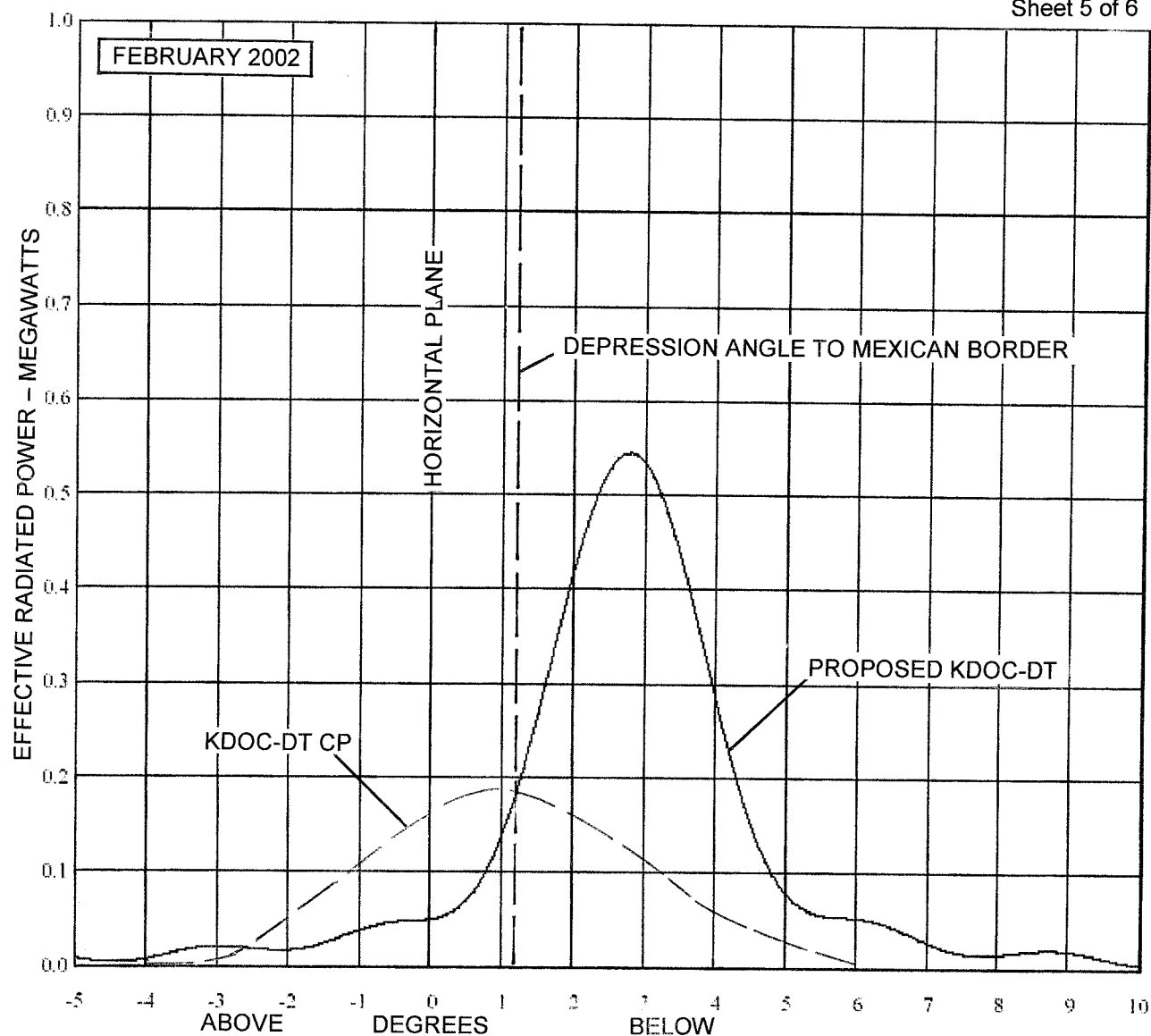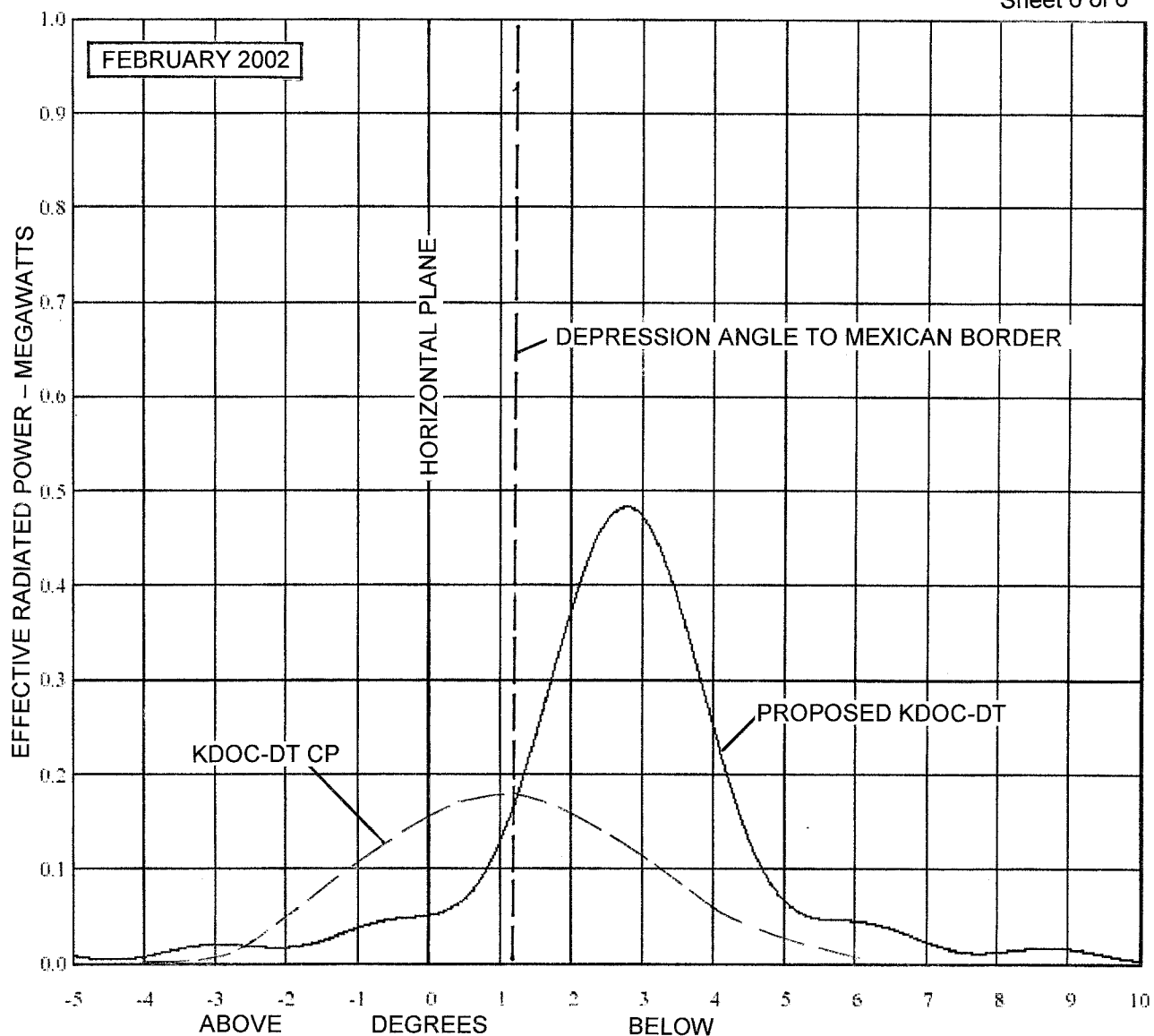CP AND PROPOSED KDOC-DT VERTICAL
PLANE RADIATION PATTERNS AT 155° TRUE

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT, ANAHEIM, CALIFORNIA
CH. 32   1000 KW AVG. (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer

FIGURE H

TABULATION OF DATA FOR KDOC-DT CP AND PROPOSED VERTICAL PLANE RADIATION PATTERNS

Depression Angle (Degrees)	129° T. ERP CP (MW)	PROP. (MW)	135° T. ERP CP (MW)	PROP. (MW)	140° T. ERP CP (MW)	PROP. (MW)	145° T. ERP CP (MW)	PROP. (MW)	150° T. ERP CP (MW)	PROP. (MW)	155° T. ERP CP (MW)	PROP. (MW)
-4.0	0.003	0.007	0.003	0.007	0.003	0.008	0.003	0.008	0.003	0.008	0.003	0.009
-3.5		0.012		0.013		0.015		0.016		0.017		0.016
-3.0	0.010	0.014	0.010	0.015	0.010	0.018	0.010	0.020	0.009	0.022	0.009	0.021
-2.5		0.013		0.013		0.015		0.018		0.019		0.019
-2.0	0.057	0.013	0.057	0.013	0.056	0.014	0.054	0.016	0.053	0.018	0.051	0.018
-1.5		0.020		0.020		0.022		0.024		0.025		0.025
-1.0	0.117	0.029	0.117	0.030	0.114	0.033	0.111	0.037	0.108	0.039	0.106	0.038
-0.5		0.036		0.036		0.039		0.044		0.048		0.047
0.0	0.176	0.044	0.176	0.043	0.172	0.044	0.168	0.047	0.163	0.050	0.159	0.051
0.5		0.070		0.072		0.070		0.070		0.069		0.069
0.9		0.114		0.126		0.129		0.126		0.119		0.112
1.0	0.200	0.129	0.200	0.145	0.195	0.150	0.191	0.147	0.185	0.138	0.181	0.129
1.1		0.146		0.166		0.174		0.171		0.160		0.148
1.2		0.163		0.188		0.199		0.197		0.184		0.169
1.3		0.182		0.186		0.212		0.225		0.226		0.191
1.5		0.221		0.262		0.285		0.287		0.268		0.242
2.0	0.179	0.314	0.179	0.383	0.175	0.434	0.171	0.448	0.166	0.422	0.162	0.376
2.5		0.364		0.451		0.526		0.557		0.529		0.469
3.0	0.125	0.343	0.125	0.431	0.122	0.516	0.119	0.557	0.116	0.533	0.113	0.472
3.5		0 261		0.334		0.409		0.373		0.432		0.381
4.0	0.067	0.160	0.067	0.209	.0.065	0.262	0.064	0.291	0.062	0.281	0.060	0.246
5.0	0.026	0.042	0.026	0.058	0.025	0.074	0.025	0.082	0.024	0.077	0.023	0.066
6.0	0.009	0.030	0.009	0.040	0.009	0.050	0.009	0.055	0.008	0.053	0.008	0.046
7.0		0.014		0.019		0.025		0.028		0.027		0.023
8.0		0.010		0.013		0.016		0.017		0.015		0.013
9.0		0.010		0.013		0.017		0.019		0.018		0.016
10.0		0.002		0.003		0.005		0.005		0.005		0.004

FIGURE I

Dielectric

Gain   **1.70**   **(2.30 dB)**
Calculated / Measured   **Calculated**

Frequency   **581.00 MHz**
Drawing #   **C170**

Dielectric

			FIGURE J
Proposal Number	DCA-8048		
Date	5-Oct-98		
Call Letters	KDOC-DT	Channel	32
Location	Ahaheim, CA		
Customer			
Antenna Type	TFU-10DSC-R C170		

ELEVATION PATTERN

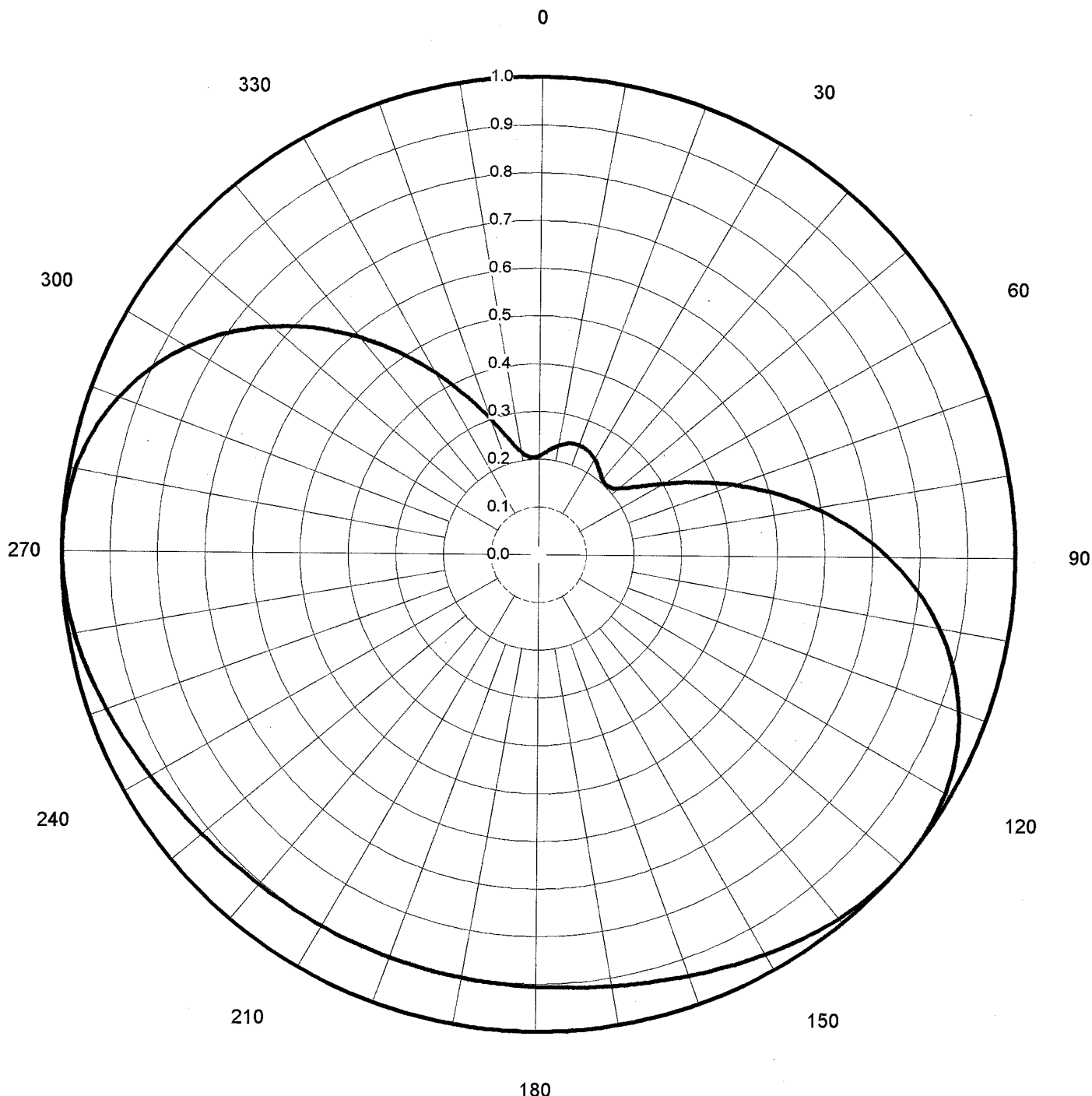|					
RMS Gain at Main Lobe	9.50	(9.78 dB)	Beam Tilt	1.00 deg	
RMS Gain at Horizontal	8.40	(9.24 dB)	Frequency	581.00 MHz	
Calculated / Measured	Calculated		Drawing #	10Q095100	

KDOC-DT VERTICAL PLANE PATTERN FOR CH. 32, 200 KW (MAX-DA), 960 METERS, CP (RELATIVE FIELD)

GOLDEN ORANGE BROADCASTING CO., INC.
STATION KDOC-DT   ANAHEIM, CALIFORNIA
CH. 32   1000 KW (MAX-DA)   938 METERS

Bernard R. Segal, P. E.   Consulting Engineer.

Degrees Below Horizontal

Dielectric

TABULATION OF VERTICAL PLANE DATA FOR KDOC-DT, CH. 32, 200 KW (MAX-DA), 960 METERS, CP
GOLDEN ORANGE BROADCASTING CO., INC. STATION KDOC-DT ANAHEIM, CALIFORNIA CH. 32 1000 KW (MAX-DA) 938 METERS
Bernard R. Segal, P. E. Consulting Engineer

Elevation Pattern Drawing #　**10Q095100**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.251	2.4	0.893	10.6	0.071	30.5	0.171	51.0	0.075	71.5	0.042
-9.5	0.296	2.6	0.862	10.8	0.064	31.0	0.171	51.5	0.076	72.0	0.048
-9.0	0.344	2.8	0.828	11.0	0.060	31.5	0.167	52.0	0.077	72.5	0.053
-8.5	0.392	3.0	0.791	11.5	0.067	32.0	0.159	52.5	0.078	73.0	0.058
-8.0	0.432	3.2	0.752	12.0	0.084	32.5	0.147	53.0	0.080	73.5	0.062
-7.5	0.461	3.4	0.710	12.5	0.101	33.0	0.133	53.5	0.083	74.0	0.065
-7.0	0.473	3.6	0.668	13.0	0.112	33.5	0.117	54.0	0.086	74.5	0.067
-6.5	0.466	3.8	0.624	13.5	0.115	34.0	0.100	54.5	0.091	75.0	0.069
-6.0	0.436	4.0	0.579	14.0	0.110	34.5	0.085	55.0	0.098	75.5	0.070
-5.5	0.383	4.2	0.535	14.5	0.100	35.0	0.071	55.5	0.105	76.0	0.070
-5.0	0.307	4.4	0.490	15.0	0.089	35.5	0.059	56.0	0.113	76.5	0.070
-4.5	0.212	4.6	0.446	15.5	0.083	36.0	0.050	56.5	0.121	77.0	0.070
-4.0	0.114	4.8	0.404	16.0	0.087	36.5	0.043	57.0	0.130	77.5	0.068
-3.5	0.106	5.0	0.364	16.5	0.101	37.0	0.038	57.5	0.138	78.0	0.067
-3.0	0.224	5.2	0.326	17.0	0.119	37.5	0.034	58.0	0.145	78.5	0.065
-2.8	0.280	5.4	0.291	17.5	0.136	38.0	0.032	58.5	0.151	79.0	0.063
-2.6	0.337	5.6	0.259	18.0	0.150	38.5	0.034	59.0	0.156	79.5	0.060
-2.4	0.395	5.8	0.232	18.5	0.157	39.0	0.040	59.5	0.160	80.0	0.057
-2.2	0.452	6.0	0.211	19.0	0.157	39.5	0.050	60.0	0.162	80.5	0.054
-2.0	0.509	6.2	0.194	19.5	0.150	40.0	0.062	60.5	0.162	81.0	0.051
-1.8	0.564	6.4	0.183	20.0	0.137	40.5	0.075	61.0	0.161	81.5	0.048
-1.6	0.618	6.6	0.177	20.5	0.118	41.0	0.087	61.5	0.158	82.0	0.044
-1.4	0.669	6.8	0.174	21.0	0.096	41.5	0.099	62.0	0.153	82.5	0.041
-1.2	0.718	7.0	0.175	21.5	0.071	42.0	0.110	62.5	0.147	83.0	0.037
-1.0	0.764	7.2	0.177	22.0	0.046	42.5	0.118	63.0	0.140	83.5	0.034
-0.8	0.807	7.4	0.180	22.5	0.023	43.0	0.124	63.5	0.132	84.0	0.030
-0.6	0.846	7.6	0.183	23.0	0.005	43.5	0.128	64.0	0.122	84.5	0.027
-0.4	0.881	7.8	0.184	23.5	0.013	44.0	0.128	64.5	0.112	85.0	0.023
-0.2	0.911	8.0	0.185	24.0	0.022	44.5	0.127	65.0	0.101	85.5	0.020
0.0	0.938	8.2	0.183	24.5	0.026	45.0	0.122	65.5	0.090	86.0	0.017
0.2	0.960	8.4	0.180	25.0	0.026	45.5	0.116	66.0	0.078	86.5	0.014
0.4	0.977	8.6	0.175	25.5	0.022	46.0	0.109	66.5	0.067	87.0	0.011
0.6	0.990	8.8	0.169	26.0	0.024	46.5	0.101	67.0	0.055	87.5	0.008
0.8	0.997	9.0	0.161	26.5	0.036	47.0	0.093	67.5	0.044	88.0	0.006
1.0	1.000	9.2	0.151	27.0	0.054	47.5	0.085	68.0	0.034	88.5	0.004
1.2	0.998	9.4	0.141	27.5	0.076	48.0	0.079	68.5	0.025	89.0	0.002
1.4	0.991	9.6	0.129	28.0	0.099	48.5	0.075	69.0	0.019	89.5	0.001
1.6	0.980	9.8	0.117	28.5	0.120	49.0	0.072	69.5	0.019	90.0	0.000
1.8	0.964	10.0	0.104	29.0	0.139	49.5	0.072	70.0	0.023		
2.0	0.945	10.2	0.092	29.5	0.154	50.0	0.072	70.5	0.029		
2.2	0.921	10.4	0.081	30.0	0.165	50.5	0.073	71.0	0.036		