

ENGINEERING EXHIBIT

“Maximization” Application to Modify Post-Transition Digital Television Station Construction Permit

prepared for

CBS Broadcasting Inc.
KCBS-DT Los Angeles, CA
Facility ID 9628
Ch. 43 1000 kW 951 m

CBS Broadcasting Inc. (“*CBS*”) is the licensee of television station KCBS-TV, analog Channel 2 and digital Channel 60, Los Angeles, CA. A Construction Permit (“CP”, BPCDT-20080409AAB) authorizes construction of the KCBS-DT post-transition digital facility on Channel 43, as established in Appendix B of the Seventh Report and Order in MB Docket 87-278. *CBS* herein seeks to modify the CP to expand the KCBS-DT post-transition Channel 43 digital facility. The instant application is intended to be filed by June 20, 2008 in response to the FCC’s lifting of the August 3, 2004 “freeze” concerning expansion in service area.¹

The current CP authorizes operation with an effective radiated power (“ERP”) of 540 kW at 951 meters antenna height above average terrain (“HAAT”), with a directional antenna. An increase in ERP to 1000 kW is proposed herein. No other changes are proposed.

The proposed digital Channel 43 operation will employ the existing directional antenna system licensed for the present KCAL-DT (Ch. 43, Los Angeles, CA).² The antenna is a horizontally polarized Harris model TAD-16UDA-8/64. The antenna employs 1.70 degrees of electrical beam tilt, 1.0 degree of mechanical beamtilt at an azimuth of 217 degrees True, and is directional in the horizontal plane. The antenna’s horizontal plane pattern, expressed in terms of

¹Public Notice “*Commission Lifts the Freeze On the Filing of Maximization Applications and Petitions for Digital Channel Substitutions, Effective Immediately*” DA 08-1213, released May 30, 2008.

² The antenna HAAT was recalculated for the instant proposal using USGS 3 arc-second terrain data, however the antenna height AMSL of 1844 meters matches KCBS-DT Appendix B data and the KCAL-DT licensed value.

relative field³ without consideration of the mechanical beamtilt, is supplied as **Figure 1**. **Figure 1A** depicts the horizontal plane relative field pattern with the introduction of the mechanical beamtilt, as determined towards the radio horizon along each azimuth and scaled per the Commission's policies.

Table 1 presents a tabulation of the horizontal plane relative field pattern, to supplement the relative field data within the Form 301 Section III-D "Tech Box" (item 10e). **Table 1** includes pertinent terrain elevation data and provides the derivation of the relative field pattern towards the radio horizon. Digitized USGS 3 arc-second terrain data was employed. **Figure 2** graphically presents the theoretical vertical plane (elevation) pattern for the antenna system. Along each azimuth (considering the mechanical beamtilt), radiation at any angle above horizontal elevations does not exceed the maximum radiation realized at horizontal or below.

The antenna is situated on an existing antenna supporting structure, having FCC Antenna Structure Registration ("ASR") number 1007719. No change to the overall structure height and no tower work are required to carry out this proposal.

A map is supplied as **Figure 3**, which depicts the standard predicted coverage contours. This map includes the location of Los Angeles, KCBS-DT's principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 48 dBμ contour.

The proposed KCBS-DT facility's predicted service population provides a 101.8 percent match of the Appendix B facility, as detailed in the table below.

Post-Transition Population Summary		
Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	16,082,271	16,345,475
Not affected by terrain losses	14,892,979	15,232,140
Lost to all interference	77,071	142,903
Net DTV Service	14,815,908	15,089,237
Match of Appendix B	---	101.84%

³ These patterns are supplied in terms of relative field. In recent years, FCC Staff have not required pattern data in dBk format however such patterns are available upon request.

A detailed interference study per OET Bulletin 69⁴ shows that the proposal complies with the 0.5 percent limit of new interference caused to the Appendix B facilities and current post-transition authorizations of pertinent nearby stations. The interference study output report is provided as **Table 2**.

Protection requirements towards authorized Class A stations are also satisfied, except with respect to the licensed KBOP-CA facility (BLTTA-20041008ABL, Facility ID 11371, Ch. 43, San Diego, CA). However, no new interference would be caused to the KBOP-CA Construction Permit facility (BPTTA-20050725ADK), as shown in **Table 2**. A license application (BLTTA-20080421ABQ), certifying that construction has been completed, has recently been filed to cover the KBOP-CA Construction Permit facility. Once the license application for the new KBOP-CA facility is granted, protection to KBOP-CA's currently licensed parameters will no longer be required (the protected, licensed parameters will become those of the current Construction Permit). If necessary, FCC processing of the instant application can be considered to be contingent upon the grant of the new KBOP-CA license, which would not experience additional interference from the proposal (see **Table 2**).

The proposed 1000 kW ERP exceeds the maximum allowed for the proposed antenna HAAT of 951 meters currently permitted by §73.622(f)(6)(i). Section 73.622(f)(5) permits the maximum ERP to be exceeded in order to provide the same geographic coverage area as the largest station within the same market. The total area within the proposed KCBS-DT 41 dBμ contour is 49,865 square kilometers, which does not exceed the Appendix B coverage contour area of KNBC-DT (53,084 sq. km, Ch. 36, Los Angeles, CA) as shown in **Figure 4**. Thus, the 1000 kW ERP specified herein is in compliance with §73.622(f)(5) of the Commission's Rules.

⁴FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). The implementation of OET-69 for this study followed the guidelines of OET-69 as specified therein. A standard cell size of 2 km was employed. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission's implementation of OET-69 show excellent correlation.

The nearest FCC monitoring station is 511 km distant at Livermore, CA. This exceeds by a large margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with “quiet” zones specified in §73.1030(a) and (b). There are no AM stations within 3.2 kilometers of the site, based on information contained within the Commission’s database. The site location is within the Mexican coordination zone (207 km to the Mexico border), thus further international coordination may be necessary beyond that to establish Appendix B parameters.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposal will involve use of an existing transmitting antenna. The use of existing transmitting locations has been characterized as being environmentally preferable by the Commission, according to Note 1 of §1.1306 of the FCC Rules. No tower construction or change in structure height is proposed. Therefore, it is believed that this application may be categorically excluded from environmental processing pursuant to §1.1306 of the Commission’s rules.

The transmitting location is on Mount Wilson overlooking the Los Angeles metropolitan area. There are numerous other transmitting facilities at this site area situated on various antenna supporting structures, each within a fenced compound with RF exposure warning signs. *CBS* participates in a radiofrequency (“RF”) electromagnetic field exposure safety program, along with other broadcasters and FCC licensees that utilize the Mount Wilson site area. Following construction of the proposed facility, *CBS* will conduct RF exposure measurements (and/or detailed calculations) to evaluate the level of RF exposure resulting from the KCBS-DT facility. As necessary, based on these results and considering all emitters, appropriate exposure abatement procedures will be established and followed, in order to comply with the Commission’s exposure limits. Such abatement procedures may involve the restriction of access to certain areas and/or facility modifications to reduce RF levels.

Considering the post-construction measurement and an appropriate abatement program, the general public and workers will not be exposed to RF levels attributable to the proposal in excess of the Commission’s guidelines. RF exposure warning signs will continue to be posted. With respect

to worker safety, authorized personnel will be trained and/or supervised as necessary for access to any “controlled” areas. CBS will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

Certification

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.

Joseph M. Davis, P.E.
June 9, 2008

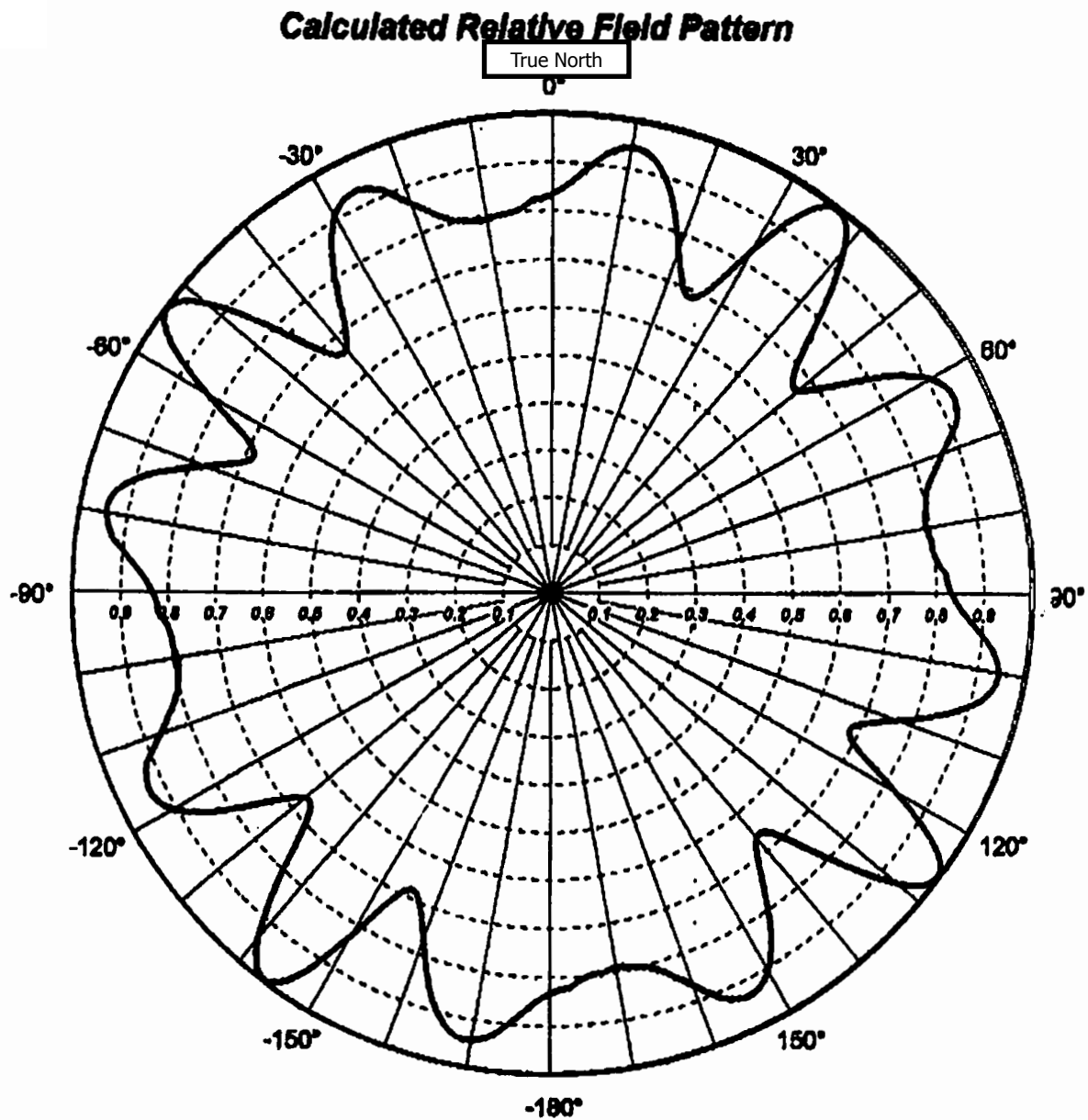
Chesapeake RF Consultants, LLC
11993 Kahns Road
Manassas, VA 20112
703-650-9600

List of Attachments

Figure 1, 1A	Antenna Horizontal Plane Pattern
Figure 2	Antenna Vertical Plane (Elevation) Pattern
Table 1	Antenna Pattern and Elevation Data
Figure 3	Proposed Coverage Contours
Figure 4	Largest Station in Market
Table 2	OET Bulletin 69 Interference Study
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

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Figure 1
Antenna Horizontal Plane Main Beam Radiation Pattern
(No Consideration of Mechanical Beamtilt)



Harris Model No.: TAD-16UDA-8/84

Harris Pattern No.: KCALRA02

Figure 1A
Antenna Horizontal Plane Radiation Pattern
Towards Radio Horizon
Considering Mechanical Beamtilt
(1.0 Degree at 217 Degrees True)

AZIMUTH PATTERN - RELATIVE FIELD

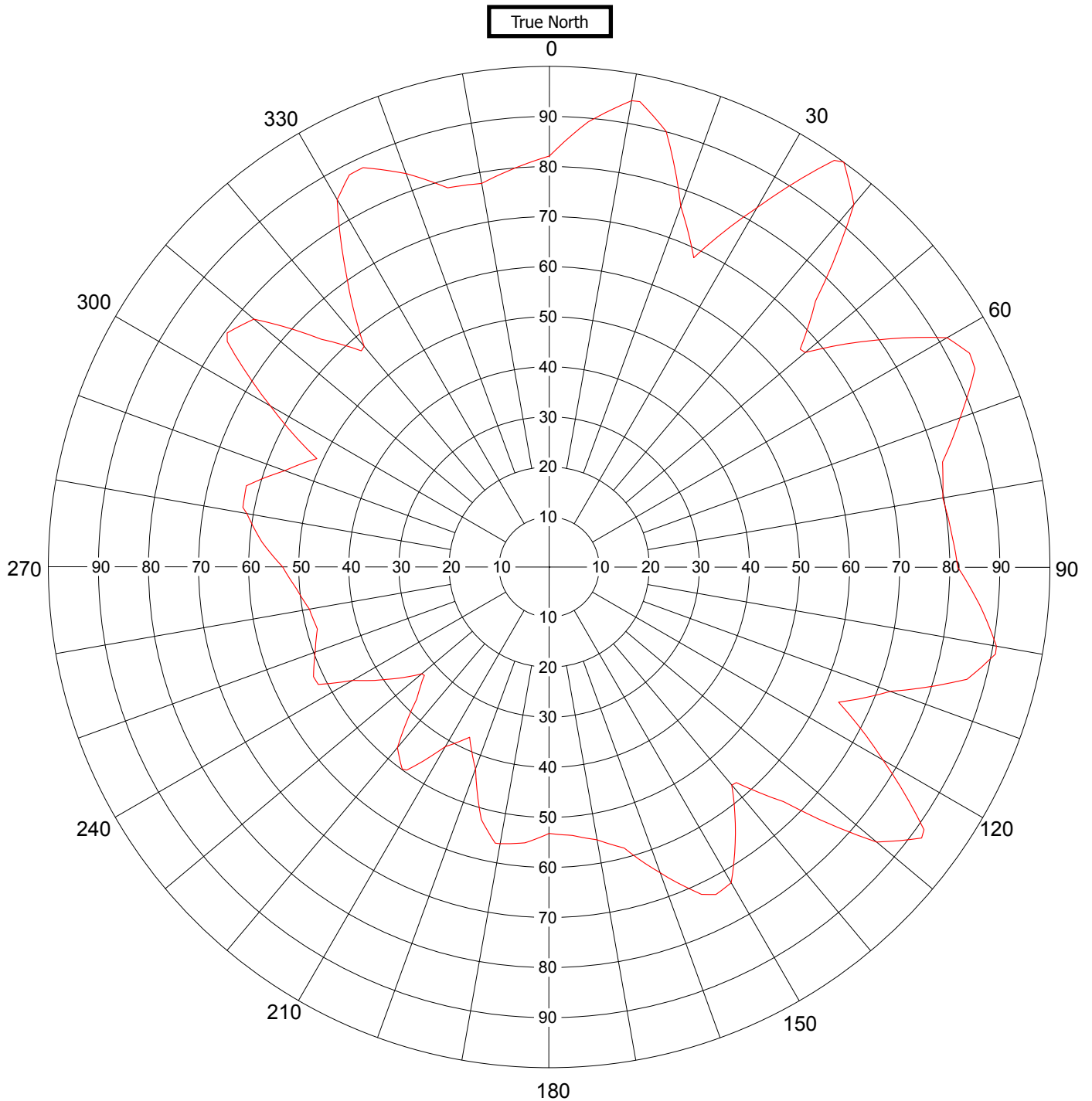
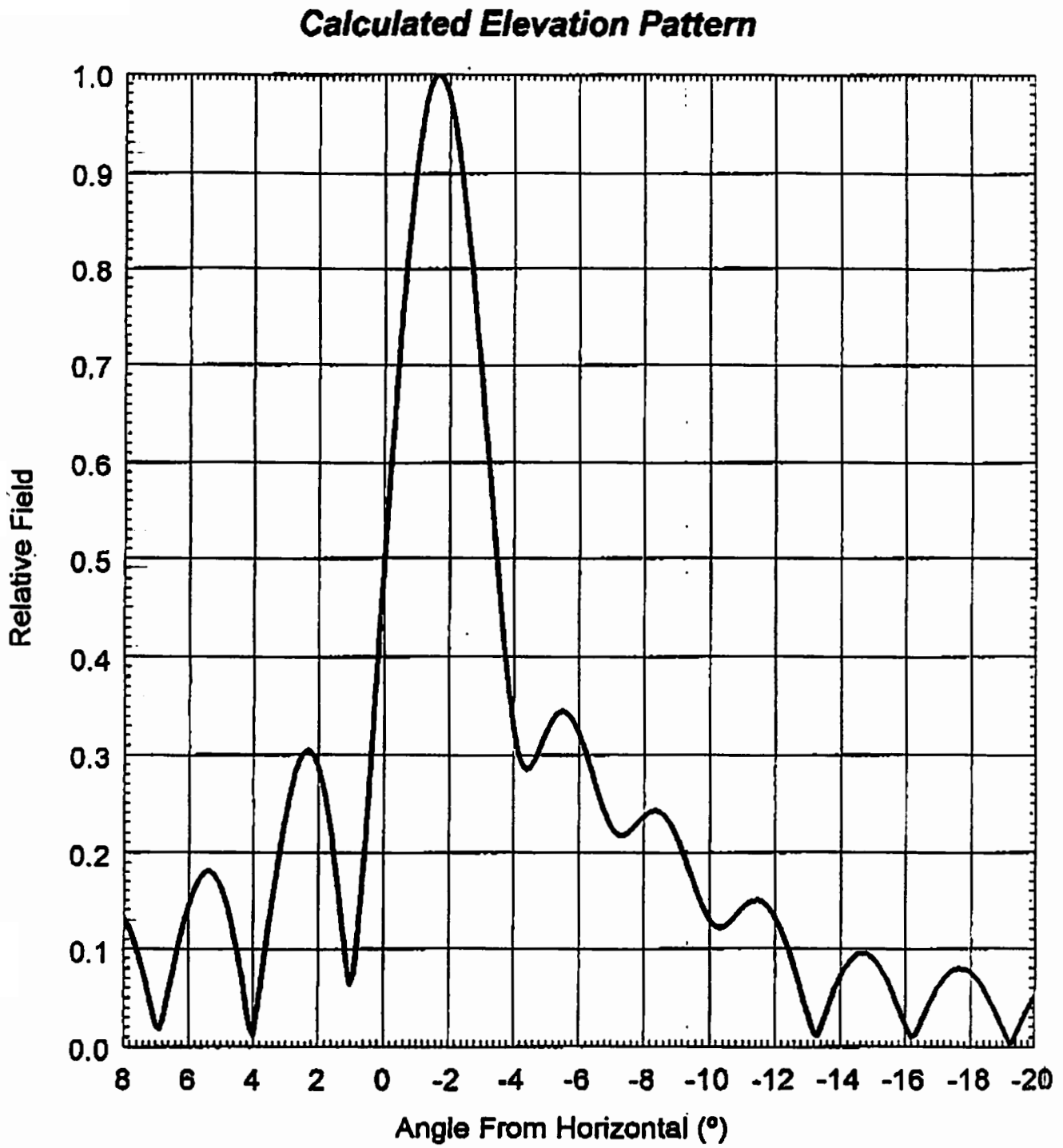


Figure 2
Antenna Vertical (Elevation) Plane Pattern



Harris Model No.: TAD-16UDA-8/64

Harris Pattern No.: KCALRE02

Table 1
Antenna Pattern and Elevation Data
prepared for
KCBS-DT CBS Broadcasting Inc.

Azimuth (°T)	Average Elevation (meters)	Effective Height (meters)	Antenna Horizontal Plane Relative Field Before Beamtilt ¹	FCC Depression Angle (°) (degrees)	Mechanical Tilt (degrees)	Effective Tilt (degrees)	Vertical Plane Relative Field at ∠	Composite Relative Field	Normalized Relative Field ²
0	1425.4	418.6	0.833	0.57	-0.80	0.90	0.972	0.810	0.822
5	1311.6	532.4	0.894	0.64	-0.85	0.85	0.985	0.880	0.893
10	1313.4	530.6	0.945	0.64	-0.89	0.81	0.987	0.933	0.946
11	1343.5	500.5	0.946	0.62	-0.90	0.80	0.987	0.933	0.947
15	1419.7	424.3	0.902	0.57	-0.93	0.77	0.985	0.889	0.901
20	1480.5	363.5	0.768	0.53	-0.96	0.74	0.985	0.756	0.767
25	1517.2	326.8	0.683	0.50	-0.98	0.72	0.984	0.672	0.682
30	1508.0	336.0	0.829	0.51	-0.99	0.71	0.986	0.817	0.829
35	1510.1	333.9	0.992	0.51	-1.00	0.70	0.986	0.978	0.992
36	max	1513.2	330.8	1.000	-1.00	0.70	0.986	0.986	1.000
40	1455.2	388.8	0.943	0.55	-1.00	0.70	0.989	0.932	0.945
45	1444.8	399.2	0.750	0.55	-0.99	0.71	0.989	0.742	0.752
49	1418.0	426.0	0.662	0.57	-0.98	0.72	0.989	0.655	0.664
50	1407.8	436.2	0.665	0.58	-0.97	0.73	0.989	0.658	0.667
55	1289.8	554.2	0.784	0.65	-0.95	0.75	0.993	0.779	0.790
60	1156.3	687.7	0.908	0.73	-0.92	0.78	0.996	0.904	0.917
63	1136.4	707.6	0.933	0.74	-0.90	0.80	0.995	0.928	0.942
65	1078.3	765.7	0.929	0.77	-0.88	0.82	0.996	0.925	0.938
70	1046.1	797.9	0.866	0.78	-0.84	0.86	0.994	0.861	0.873
75	915.6	928.4	0.806	0.84	-0.79	0.91	0.995	0.802	0.813
80	831.1	1012.9	0.792	0.88	-0.73	0.97	0.994	0.787	0.798
85	913.1	930.9	0.805	0.85	-0.67	1.03	0.987	0.794	0.806
90	1147.0	697.0	0.833	0.73	-0.60	1.10	0.966	0.805	0.816
95	1151.3	692.7	0.894	0.73	-0.53	1.17	0.952	0.851	0.863
100	1060.9	783.1	0.945	0.78	-0.45	1.25	0.947	0.895	0.908
101	1046.8	797.2	0.946	0.78	-0.44	1.26	0.947	0.895	0.908
105	932.5	911.5	0.902	0.84	-0.37	1.33	0.945	0.852	0.864
110	908.9	935.1	0.768	0.85	-0.29	1.41	0.930	0.715	0.725
115	849.0	995.0	0.683	0.87	-0.21	1.49	0.921	0.629	0.638
120	711.7	1132.3	0.829	0.93	-0.12	1.58	0.916	0.759	0.770
125	589.0	1255.0	0.992	0.98	-0.03	1.67	0.909	0.902	0.914
126	max	566.6	1277.4	1.000	-0.02	1.68	0.907	0.907	0.920
130	486.3	1357.7	0.943	1.02	0.05	1.75	0.892	0.842	0.854
135	431.8	1412.2	0.750	1.04	0.14	1.84	0.871	0.653	0.662
139	400.7	1443.3	0.662	1.05	0.21	1.91	0.849	0.562	0.570
140	394.9	1449.1	0.665	1.05	0.22	1.92	0.842	0.560	0.568
145	373.6	1470.4	0.784	1.06	0.31	2.01	0.816	0.640	0.649
150	337.7	1506.3	0.908	1.08	0.39	2.09	0.791	0.718	0.728

¹ Depicted in **Figure 1**

² Depicted in **Figure 1A** and reported in FCC Form 301 Tech Box

Table 1
KCBS-DT CBS Broadcasting Inc.
 (page 2 of 3)



Azimuth (°T)	Average Elevation (meters)	Effective Height (meters)	Antenna Horizontal Plane Relative Field Before Beamtilt ¹	FCC Depression Angle (°) (degrees)	Mechanical Tilt (degrees)	Effective Tilt (degrees)	Vertical Plane Relative Field at ∠	Composite Relative Field	Normalized Relative Field ²
153	313.9	1530.1	0.933	1.08	0.44	2.14	0.776	0.724	0.734
155	299.0	1545.0	0.929	1.09	0.47	2.17	0.765	0.711	0.721
160	295.4	1548.6	0.866	1.09	0.54	2.24	0.740	0.641	0.650
165	312.6	1531.4	0.806	1.08	0.62	2.32	0.711	0.573	0.581
170	313.6	1530.4	0.792	1.08	0.68	2.38	0.689	0.546	0.554
175	314.5	1529.5	0.805	1.08	0.74	2.44	0.659	0.531	0.538
180	302.6	1541.4	0.833	1.09	0.80	2.50	0.630	0.525	0.532
185	297.4	1546.6	0.894	1.09	0.85	2.55	0.610	0.546	0.553
190	294.8	1549.2	0.945	1.09	0.89	2.59	0.586	0.553	0.561
191	295.5	1548.5	0.946	1.09	0.90	2.60	0.586	0.554	0.562
195	302.1	1541.9	0.902	1.09	0.93	2.63	0.571	0.515	0.522
200	309.6	1534.4	0.768	1.09	0.96	2.66	0.551	0.423	0.429
205	311.7	1532.3	0.683	1.08	0.98	2.68	0.541	0.370	0.375
210	325.2	1518.8	0.829	1.08	0.99	2.69	0.492	0.408	0.414
215	340.7	1503.3	0.992	1.07	1.00	2.70	0.492	0.488	0.495
216	max	340.0	1504.0	1.000	1.07	1.00	2.70	0.492	0.499
220	331.2	1512.8	0.943	1.08	1.00	2.70	0.492	0.464	0.471
225	352.2	1491.8	0.750	1.07	0.99	2.69	0.492	0.369	0.374
229	389.2	1454.8	0.662	1.06	0.98	2.68	0.492	0.326	0.330
230	398.6	1445.4	0.665	1.05	0.97	2.67	0.492	0.327	0.332
235	458.7	1385.3	0.784	1.03	0.95	2.65	0.492	0.386	0.391
240	487.3	1356.7	0.908	1.02	0.92	2.62	0.492	0.447	0.453
243	500.3	1343.7	0.933	1.02	0.90	2.60	0.546	0.510	0.517
245	519.1	1324.9	0.929	1.01	0.88	2.58	0.551	0.512	0.519
250	548.5	1295.5	0.866	1.00	0.84	2.54	0.566	0.490	0.497
255	579.1	1264.9	0.806	0.99	0.79	2.49	0.586	0.472	0.479
260	638.1	1205.9	0.792	0.96	0.73	2.43	0.605	0.479	0.486
265	712.6	1131.4	0.805	0.93	0.67	2.37	0.620	0.499	0.506
270	823.0	1021.0	0.833	0.89	0.60	2.30	0.630	0.525	0.532
275	961.2	882.8	0.894	0.82	0.53	2.23	0.635	0.568	0.576
280	1083.3	760.7	0.945	0.76	0.45	2.15	0.640	0.605	0.614
281	1086.7	757.3	0.946	0.76	0.44	2.14	0.650	0.615	0.623
285	1068.6	775.4	0.902	0.77	0.37	2.07	0.684	0.617	0.626
290	1036.7	807.3	0.768	0.79	0.29	1.99	0.722	0.554	0.562
295	1108.2	735.8	0.683	0.75	0.21	1.91	0.740	0.505	0.512
300	1127.7	716.3	0.829	0.74	0.12	1.82	0.765	0.634	0.643
305	1222.9	621.1	0.992	0.69	0.03	1.73	0.780	0.774	0.785
306	max	1232.0	612.0	1.000	0.69	0.02	0.783	0.783	0.794
310	1258.1	585.9	0.943	0.67	-0.05	1.65	0.805	0.759	0.770
315	1217.8	626.2	0.750	0.69	-0.14	1.56	0.845	0.634	0.643
319	1291.7	552.3	0.662	0.65	-0.21	1.49	0.852	0.564	0.572
320	1320.0	524.0	0.665	0.63	-0.22	1.48	0.852	0.567	0.575
325	1319.8	524.2	0.784	0.63	-0.31	1.39	0.885	0.694	0.704
330	1232.8	611.2	0.908	0.68	-0.39	1.31	0.920	0.835	0.847
333	1228.0	616.0	0.933	0.69	-0.44	1.26	0.929	0.866	0.879

Table 1
KCBS-DT CBS Broadcasting Inc.
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Azimuth (°T)	Average Elevation (meters)	Effective Height (meters)	Antenna	FCC	Mechanical Tilt (degrees)	Effective Tilt (degrees)	Vertical Plane Relative Field at ∠	Composite Relative Field	Normalized Relative Field ²
			Horizontal Plane Relative Field Before Beamtilt ¹	Depression Angle (∠) (degrees)					
335	1232.2	611.8	0.929	0.69	-0.47	1.23	0.934	0.868	0.880
340	1194.8	649.2	0.866	0.71	-0.54	1.16	0.952	0.824	0.836
345	1234.6	609.4	0.806	0.68	-0.62	1.08	0.959	0.773	0.784
350	1271.4	572.6	0.792	0.66	-0.68	1.02	0.968	0.767	0.778
355	1345.2	498.8	0.805	0.62	-0.74	0.96	0.972	0.782	0.793
Radiation Center Height AMSL			1844.0	m					
Eight-Radial Average Terrain AMSL			893.1	m					
Radiation Center Height AAT			950.9	m					
Effective Radiated Power (AVG)			1000	kW			30.0	dBk	

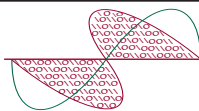
Beamtilt details

1.7 degrees electrical tilt and 1.0 degree mechanical tilt at 217° True

Effective Tilt = (Electrical Tilt)° + [(Maximum Mechanical Tilt)Cosφ]° = (1.7)° + (1.0*Cos(217-Azimuth))°

Where φ = 0° at azimuth towards mechanical tilt

Maximum radiation of 1000 kW occurs at 36, 126, 216, and 306 degrees True (horizontal plane relative field = 1.000)



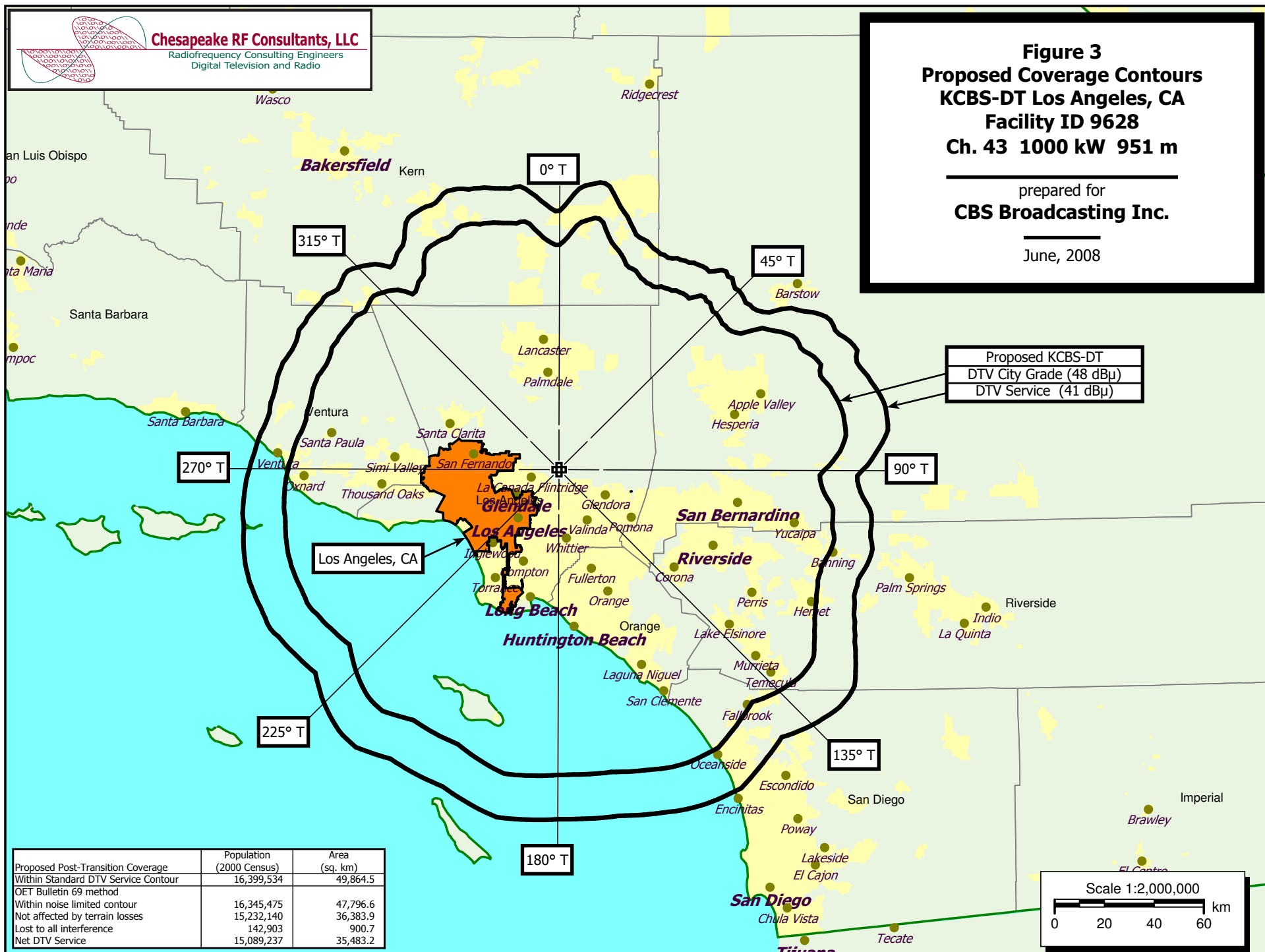
Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 3
Proposed Coverage Contours
KCBS-DT Los Angeles, CA
Facility ID 9628
Ch. 43 1000 kW 951 m

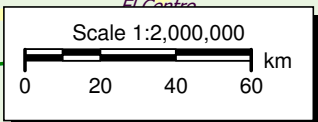
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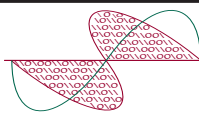
June, 2008

Proposed KCBS-DT
DTV City Grade (48 dBμ)
DTV Service (41 dBμ)



Proposed Post-Transition Coverage	Population (2000 Census)	Area (sq. km)
Within Standard DTV Service Contour	16,399,534	49,864.5
OET Bulletin 69 method		
Within noise limited contour	16,345,475	47,796.6
Not affected by terrain losses	15,232,140	36,383.9
Lost to all interference	142,903	900.7
Net DTV Service	15,089,237	35,483.2





Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 4
Largest Station in Market
KCBS-DT Los Angeles, CA
Facility ID 9628
Ch. 43 1000 kW 951 m

prepared for
CBS Broadcasting Inc.

June, 2008

KNBC-DT Ch. 36 Los Angeles, CA
Appendix B
DTV Service Contour 41 dBμ F(50,90)
Area: 53,084 sq. km

Proposed KCBS-DT
DTV Service Contour 41 dBμ F(50,90)
Area: 49,865 sq. km

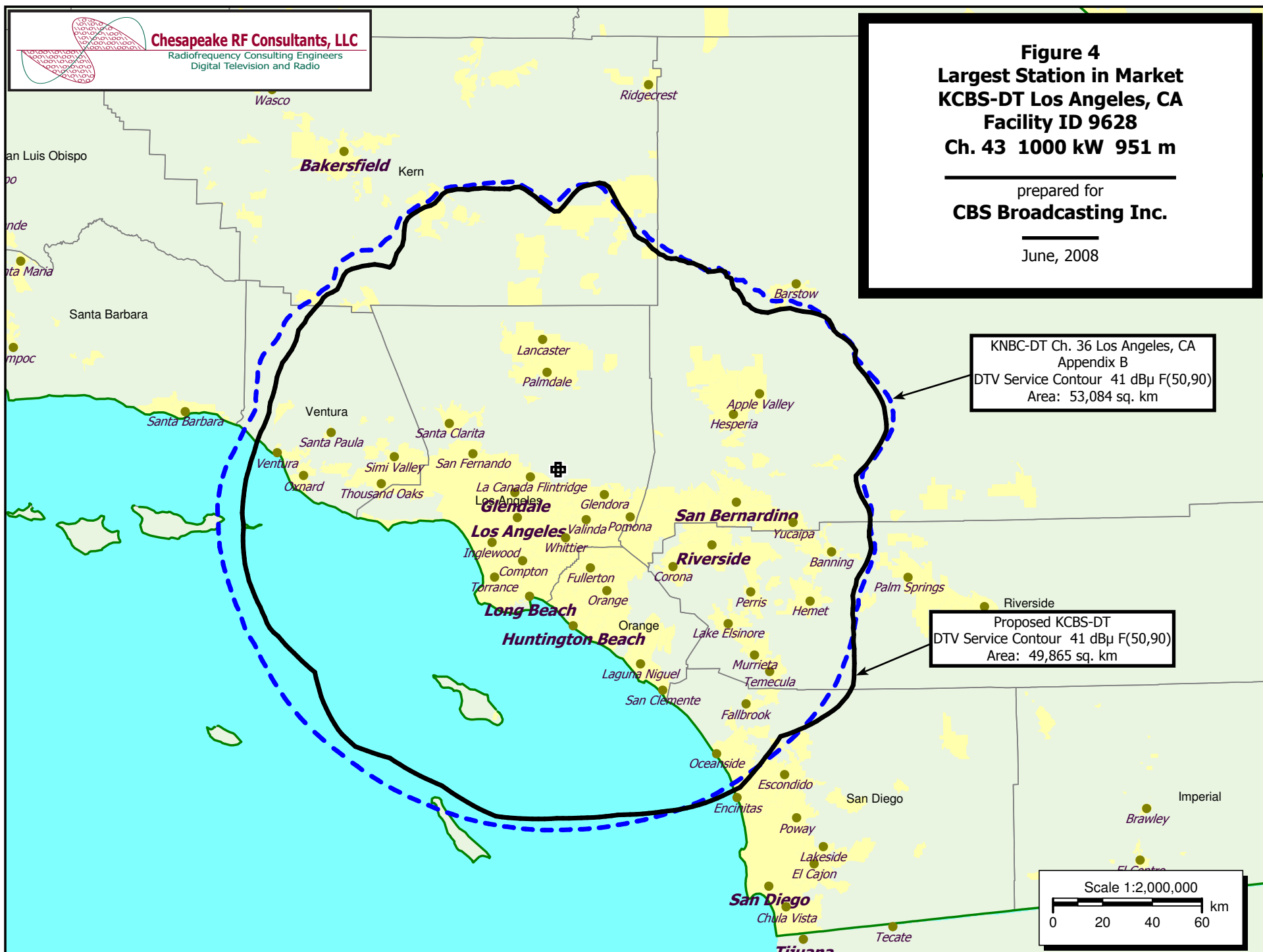
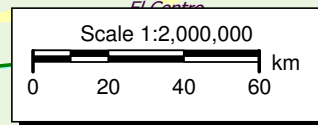


Table 2 KCBS-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 1 of 16)

TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-05-2008 Time: 09:12:46

Record Selected for Analysis

KCBS-DT USERRECORD-01 LOS ANGELES CA US
Channel 43 ERP 1000. kW HAAT 953. m RCAMSL 01844 m
Latitude 034-13-38 Longitude 0118-04-00
Status APP Zone 2 Border
Dir Antenna Make CDB Model 00000000085934 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits
Channel 43 ERP = 1000.00 HAAT = 953.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	675.684	426.9	104.6
45.0	649.636	408.8	102.7
90.0	665.856	678.0	120.6
135.0	458.996	1414.4	143.3
180.0	252.313	1540.0	139.3
225.0	144.131	1496.1	131.8
270.0	270.424	1033.4	124.3
315.0	452.256	626.9	114.4

Evaluation toward Class A Stations

Contour overlap to Class A station
KBOP-CA 43 SAN DIEGO CA BPTTA 20050725ADK

Contour overlap to Class A station
KBOP-CA 43 SAN DIEGO CA BLTTA 20041008ABL

Contour overlap to Class A station
KSKT-CA 43 SAN MARCOS CA BLTT 19941201JC

Contour overlap to Class A station
KSKJ-CA 45 VAN NUYS CA BPTTA 20050714ACI

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Table 2 KCBS-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 2 of 16)

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is within the Mexican coordination distance
Distance to border = 207.5km

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
43	KCBS-DT	LOS ANGELES CA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	KWHY-TV	LOS ANGELES CA	1.6	LIC	BLCDT	-20060629AFB
42	KWHY-TV	LOS ANGELES CA	1.6	PLN	DTVPLN	-DTVPI491
42	KESQ-TV	PALM SPRINGS CA	155.6	PLN	DTVPLN	-DTVPI492
42	KESQ-TV	PALM SPRINGS CA	155.6	APP	BPCDT	-20080222ACV
43	KGMC	CLOVIS CA	300.8	PLN	DTVPLN	-DTVPI527
43	KGMC	CLOVIS CA	300.8	CP	BPCDT	-20080313ACH
43	KBOP-CA	SAN DIEGO CA	199.8	CP	BPTTA	-20050725ADK
43	KBOP-CA	SAN DIEGO CA	199.8	LIC	BLTTA	-20041008ABL
43	KSKT-CA	SAN MARCOS CA	169.2	LIC	BLTT	-19941201JC
43	K43FO	LAS VEGAS NV	341.6	LIC	BLTTA	-20040511ABI
44	KHIZ	BARSTOW CA	83.2	CP	BPCDT	-20080403ABK
44	KHIZ	BARSTOW CA	83.2	PLN	DTVPLN	-DTVPI565
44	KHIZ	BARSTOW CA	83.2	LIC	BLCDT	-20070620ADR
45	KSKJ-CA	VAN NUYS CA	37.7	APP	BPTTA	-20050714ACI
45	KSKJ-CA	VAN NUYS CA	37.7	APP	BSTA	-20050801CEA
45	KSKJ-CA	VAN NUYS CA	37.7	APP	BSTA	-20050714ACK

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	KWHY-TV	LOS ANGELES CA	BLCDT	-20060629AFB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KLCS	LOS ANGELES CA	1.2	APP	BPEDT	-20080326AJE
41	KLCS	LOS ANGELES CA	1.2	PLN	DTVPLN	-DTVPI462
41	KLCS	LOS ANGELES CA	1.2	LIC	BLEDT	-20030507AAS
42	KESQ-TV	PALM SPRINGS CA	154.8	PLN	DTVPLN	-DTVPI492
42	KESQ-TV	PALM SPRINGS CA	154.8	APP	BPCDT	-20080222ACV
43	KCBS-TV	LOS ANGELES CA	1.6	PLN	DTVPLN	-DTVPI528
43	KCBS-DT	LOS ANGELES CA	1.6	APP	USERRECORD-01	

Total scenarios = 6

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 16)

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for: 42A CA LOS ANGELES BLCDT 20060629AFB LIC
HAAT 892.0 m, ATV ERP 486.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	15909535	35090.5
not affected by terrain losses	14589215	25100.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	161612	436.4
lost to ATV IX only	161612	436.4
lost to all IX	161612	436.4

Potential Interfering Stations Included in above Scenario 1

41A CA LOS ANGELES	DTVPLN	DTVP1462	PLN
42A CA PALM SPRINGS	DTVPLN	DTVP1492	PLN
43A CA LOS ANGELES	DTVPLN	DTVP1528	PLN

After Analysis

Results for: 42A CA LOS ANGELES BLCDT 20060629AFB LIC
HAAT 892.0 m, ATV ERP 486.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	15909535	35090.5
not affected by terrain losses	14589215	25100.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	190257	484.5
lost to ATV IX only	190257	484.5
lost to all IX	190257	484.5

Potential Interfering Stations Included in above Scenario 1

41A CA LOS ANGELES	DTVPLN	DTVP1462	PLN
42A CA PALM SPRINGS	DTVPLN	DTVP1492	PLN
43A CA LOS ANGELES	USERRECORD01		APP

Percent new IX = 0.1985%

Worst case new IX 0.1985% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	KWHY-TV	LOS ANGELES CA	DTVPLN -DTVP1491

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KLCS	LOS ANGELES CA	1.2	APP	BPEDT -20080326AJE
41	KLCS	LOS ANGELES CA	1.2	PLN	DTVPLN -DTVP1462
41	KLCS	LOS ANGELES CA	1.2	LIC	BLEDT -20030507AAS
42	KESQ-TV	PALM SPRINGS CA	154.8	PLN	DTVPLN -DTVP1492
42	KESQ-TV	PALM SPRINGS CA	154.8	APP	BPCDT -20080222ACV

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 16)

43	KCBS-TV	LOS ANGELES CA	1.6	PLN	DTVPLN -DTVP1528
43	KCBS-DT	LOS ANGELES CA	1.6	APP	USERRECORD-01

Total scenarios = 6

Result key: 7
Scenario 1 Affected station 2
Before Analysis

Results for: 42A CA LOS ANGELES DTVPLN DTVP1491 PLN
HAAT 892.0 m, ATV ERP 486.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	15907306	35034.3
not affected by terrain losses	14583514	25164.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	206654	440.4
lost to ATV IX only	206654	440.4
lost to all IX	206654	440.4

Potential Interfering Stations Included in above Scenario 1

41A CA LOS ANGELES	DTVPLN	DTVP1462	PLN
42A CA PALM SPRINGS	DTVPLN	DTVP1492	PLN
43A CA LOS ANGELES	DTVPLN	DTVP1528	PLN

After Analysis

Results for: 42A CA LOS ANGELES DTVPLN DTVP1491 PLN
HAAT 892.0 m, ATV ERP 486.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	15907306	35034.3
not affected by terrain losses	14583514	25164.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	230599	480.5
lost to ATV IX only	230599	480.5
lost to all IX	230599	480.5

Potential Interfering Stations Included in above Scenario 1

41A CA LOS ANGELES	DTVPLN	DTVP1462	PLN
42A CA PALM SPRINGS	DTVPLN	DTVP1492	PLN
43A CA LOS ANGELES	USERRECORD01		APP

Percent new IX = 0.1666%

Worst case new IX 0.1666% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	KESQ-TV	PALM SPRINGS CA	DTVPLN -DTVP1492

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KLCS	LOS ANGELES CA	155.2	APP	BPEDT -20080326AJE

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 16)

41	KLCS	LOS ANGELES CA	155.2	PLN	DTVPLN	-DTVP1462
41	KLCS	LOS ANGELES CA	155.2	LIC	BLEDT	-20030507AAS
42	KWHY-TV	LOS ANGELES CA	154.8	LIC	BLCDT	-20060629AFB
42	KWHY-TV	LOS ANGELES CA	154.8	PLN	DTVPLN	-DTVP1491
43	KCBS-TV	LOS ANGELES CA	155.6	PLN	DTVPLN	-DTVP1528
43	KCBS-DT	LOS ANGELES CA	155.6	APP	USERRECORD-01	

Total scenarios = 6

Result key: 13
Scenario 1 Affected station 3
Before Analysis

Results for: 42A CA PALM SPRINGS	DTVPLN	DTVP1492	PLN
HAAT 219.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	647410	12794.3	
not affected by terrain losses	389639	7480.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	17204	144.7	
lost to ATV IX only	17204	144.7	
lost to all IX	17204	144.7	

Potential Interfering Stations Included in above Scenario 1

41A CA LOS ANGELES	DTVPLN	DTVP1462	PLN
42A CA LOS ANGELES	BLCDT	20060629AFB	LIC
43A CA LOS ANGELES	DTVPLN	DTVP1528	PLN

After Analysis

Results for: 42A CA PALM SPRINGS	DTVPLN	DTVP1492	PLN
HAAT 219.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	647410	12794.3	
not affected by terrain losses	389639	7480.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	17204	144.7	
lost to ATV IX only	17204	144.7	
lost to all IX	17204	144.7	

Potential Interfering Stations Included in above Scenario 1

41A CA LOS ANGELES	DTVPLN	DTVP1462	PLN
42A CA LOS ANGELES	BLCDT	20060629AFB	LIC
43A CA LOS ANGELES	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record					
Channel	Call	City/State	Application	Ref. No.	
42	KESQ-TV	PALM SPRINGS CA	BPCDT	-20080222ACV	

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 16)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KLCS	LOS ANGELES CA	155.2	APP	BPEDT	-20080326AJE
41	KLCS	LOS ANGELES CA	155.2	PLN	DTVPLN	-DTVP1462
41	KLCS	LOS ANGELES CA	155.2	LIC	BLEDT	-20030507AAS
42	KWHY-TV	LOS ANGELES CA	154.8	LIC	BLCDT	-20060629AFB
42	KWHY-TV	LOS ANGELES CA	154.8	PLN	DTVPLN	-DTVP1491
43	KCBS-TV	LOS ANGELES CA	155.6	PLN	DTVPLN	-DTVP1528
43	KCBS-DT	LOS ANGELES CA	155.6	APP	USERRECORD-01	

Total scenarios = 6

Result key: 19
Scenario 1 Affected station 4
Before Analysis

Results for: 42A CA PALM SPRINGS	BPCDT	20080222ACV	APP
HAAT 227.0 m, ATV ERP 42.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	634763	12629.3	
not affected by terrain losses	382692	7379.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	15251	152.7	
lost to ATV IX only	15251	152.7	
lost to all IX	15251	152.7	

Potential Interfering Stations Included in above Scenario 1

41A CA LOS ANGELES	DTVPLN	DTVP1462	PLN
42A CA LOS ANGELES	BLCDT	20060629AFB	LIC
43A CA LOS ANGELES	DTVPLN	DTVP1528	PLN

After Analysis

Results for: 42A CA PALM SPRINGS	BPCDT	20080222ACV	APP
HAAT 227.0 m, ATV ERP 42.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	634763	12629.3	
not affected by terrain losses	382692	7379.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	15251	152.7	
lost to ATV IX only	15251	152.7	
lost to all IX	15251	152.7	

Potential Interfering Stations Included in above Scenario 1

41A CA LOS ANGELES	DTVPLN	DTVP1462	PLN
42A CA LOS ANGELES	BLCDT	20060629AFB	LIC
43A CA LOS ANGELES	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 5

Table 2 KCBS-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 7 of 16)

Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	KGMC	CLOVIS CA	DTVPLN -DTV1527

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
43	KHSL-TV	CHICO CA	415.1	CP	BPCDT -20070124AKD
43	KHSL-TV	CHICO CA	415.1	PLN	DTVPLN -DTV1526
43	KHSL-TV	CHICO CA	415.1	LIC	BLCDT -20060315AEZ
43	KCBS-TV	LOS ANGELES CA	300.8	PLN	DTVPLN -DTV1528
43	KCSM-TV	SAN MATEO CA	302.0	LIC	BLEDT -20030822AFZ
43	KCSM-TV	SAN MATEO CA	302.0	PLN	DTVPLN -DTV1529
43	KCBS-DT	LOS ANGELES CA	300.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	KGMC	CLOVIS CA	BPCDT -20080313ACH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
43	KHSL-TV	CHICO CA	415.1	CP	BPCDT -20070124AKD
43	KHSL-TV	CHICO CA	415.1	PLN	DTVPLN -DTV1526
43	KHSL-TV	CHICO CA	415.1	LIC	BLCDT -20060315AEZ
43	KCBS-TV	LOS ANGELES CA	300.8	PLN	DTVPLN -DTV1528
43	KCSM-TV	SAN MATEO CA	302.0	LIC	BLEDT -20030822AFZ
43	KCSM-TV	SAN MATEO CA	302.0	PLN	DTVPLN -DTV1529
43	KCBS-DT	LOS ANGELES CA	300.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	KBOP-CA	SAN DIEGO CA	BPTTA -20050725ADK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
36	KMIR-TV	PALM SPRINGS CA	138.2	LIC	BMLCT -20061017ABE
40	KNSD	SAN DIEGO CA	0.1	LIC	BLCDT -20040805AAL
40	KNSD	SAN DIEGO CA	0.1	PLN	DTVPLN -DTV1428
40	KNSD	SAN DIEGO CA	0.1	CP MOD	BMPCDT -20041029AHV
43	NEW	BRAWLEY CA	137.8	ADD	BPRM -20000717ACQ
43	KCBS-TV	LOS ANGELES CA	199.8	CP	BPCDT -20080409AAB
43	KCBS-TV	LOS ANGELES CA	199.8	PLN	DTVPLN -DTV1528
43	KSKT-CA	SAN MARCOS CA	34.9	LIC	BLTT -19941201JC
46	KMIR-TV	PALM SPRINGS CA	138.2	LIC	BLCDT -20021007ABN
46	KMIR-TV	PALM SPRINGS CA	138.2	PLN	DTVPLN -DTV1637
43	KCBS-DT	LOS ANGELES CA	199.8	APP	USERRECORD-01

Table 2 KCBS-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 8 of 16)

Total scenarios = 3

Result key: 25

Scenario 1 Affected station 7
Before Analysis

Results for: 43N CA SAN DIEGO	BPTTA	20050725ADK	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	199217	124.5	
not affected by terrain losses	199217	124.5	
lost to NTSC IX	31	4.0	
lost to additional IX by ATV	14875	12.0	
lost to all IX	14906	16.1	

Potential Interfering Stations Included in above Scenario 1

43N CA SAN MARCOS	BLTT	19941201JC	LIC
40A CA SAN DIEGO	BLCDT	20040805AAL	LIC
43A CA LOS ANGELES	DTVPLN	DTV1528	PLN

After Analysis

Results for: 43N CA SAN DIEGO	BPTTA	20050725ADK	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	199217	124.5	
not affected by terrain losses	199217	124.5	
lost to NTSC IX	31	4.0	
lost to additional IX by ATV	14875	20.1	
lost to all IX	14906	24.1	

Potential Interfering Stations Included in above Scenario 1

43N CA SAN MARCOS	BLTT	19941201JC	LIC
40A CA SAN DIEGO	BLCDT	20040805AAL	LIC
43A CA LOS ANGELES	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	KBOP-CA	SAN DIEGO CA	BLTTA -20041008ABL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
36	KMIR-TV	PALM SPRINGS CA	138.0	LIC	BMLCT -20061017ABE
40	KNSD	SAN DIEGO CA	0.2	LIC	BLCDT -20040805AAL
40	KNSD	SAN DIEGO CA	0.2	PLN	DTVPLN -DTV1428
40	KNSD	SAN DIEGO CA	0.2	CP MOD	BMPCDT -20041029AHV
43	NEW	BRAWLEY CA	137.6	ADD	BPRM -20000717ACQ
43	KCBS-TV	LOS ANGELES CA	199.8	CP	BPCDT -20080409AAB
43	KCBS-TV	LOS ANGELES CA	199.8	PLN	DTVPLN -DTV1528

Table 2 KCBS-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 9 of 16)

43	KSKT-CA	SAN MARCOS CA	34.8	LIC	BLTT	-19941201JC
46	KMIR-TV	PALM SPRINGS CA	138.0	LIC	BLCDT	-20021007ABN
46	KMIR-TV	PALM SPRINGS CA	138.0	PLN	DTVPLN	-DTV1637
43	KCBS-DT	LOS ANGELES CA	199.8	APP	USERRECORD-01	

Total scenarios = 1

Result key: 28
Scenario 1 Affected station 8
Before Analysis

Results for: 43N CA SAN DIEGO	BLTTA	20041008ABL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	667777	442.0	
not affected by terrain losses	667777	438.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	153817	112.5	
lost to all IX	153817	112.5	

Potential Interfering Stations Included in above Scenario 1

43A CA LOS ANGELES DTVPLN DTVP1528 PLN

After Analysis

Results for: 43N CA SAN DIEGO	BLTTA	20041008ABL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	667777	442.0	
not affected by terrain losses	667777	438.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	228043	164.7	
lost to all IX	228043	164.7	

Potential Interfering Stations Included in above Scenario 1

43A CA LOS ANGELES USERRECORD01 APP

The following station failed the de minimis interference criteria.

43D CA LOS ANGELES USERRECORD01
ERP 1000.00 kW HAAT 953.0 m RCAMSL 1844.0 m
Antenna CDB 00000000085934

Due to interference to the following station and scenario: 1
43N CA SAN DIEGO BLTTA 20041008ABL
ERP 4.67 kW HAAT 708.0 m RCAMSL 776.0 m
Antenna CDB 00000000017793

Percent new DTV interference from proposal: 34.1496 BLTTA 20041008ABL

Worst case new IX 11.1154% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record			
Channel	Call	City/State	Application Ref. No.
43	KSKT-CA	SAN MARCOS CA	BLTT -19941201JC

Table 2 KCBS-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 10 of 16)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
36	KMIR-TV	PALM SPRINGS CA	107.5	LIC	BMLCT -20061017ABE
40	KNSD	SAN DIEGO CA	34.9	LIC	BLCDT -20040805AAL
40	KNSD	SAN DIEGO CA	34.9	PLN	DTVPLN -DTV1428
40	KNSD	SAN DIEGO CA	34.9	CP MOD	BMPCDT -20041029AHV
42	KESQ-TV	PALM SPRINGS CA	107.4	LIC	BLCT -20050727AHL
42	KESQ-TV	PALM SPRINGS CA	107.4	PLN	DTVPLN -DTV1492
42	KESQ-TV	PALM SPRINGS CA	107.4	APP	BPCDT -20080222ACV
43	NEW	YUMA AZ	199.7	APP	BNFTTL -20000831BKF
43	NEW	BRAWLEY CA	134.1	ADD	BPRM -20000717ACQ
43	KCBS-TV	LOS ANGELES CA	169.2	CP	BPCDT -20080409AAB
43	KCBS-TV	LOS ANGELES CA	169.2	PLN	DTVPLN -DTV1528
43	KDUO-LP	PALM DESERT CA	107.4	LIC	BLTTL -20071210ABX
43	KBOP-CA	SAN DIEGO CA	34.9	CP	BPTTA -20050725ADK
43	KBOP-CA	SAN DIEGO CA	34.8	LIC	BLTTA -20041008ABL
46	KMIR-TV	PALM SPRINGS CA	107.5	LIC	BLCDT -20021007ABN
46	KMIR-TV	PALM SPRINGS CA	107.5	PLN	DTVPLN -DTV1637
43	KCBS-DT	LOS ANGELES CA	169.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record			
Channel	Call	City/State	Application Ref. No.
43	K43FO	LAS VEGAS NV	BLTTA -20040511ABI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	KBRL	PARADISE NV	0.1	LIC	BLCDT -20060705ABB
40	KBRL	PARADISE NV	0.0	PLN	DTVPLN -DTV1447
42	K42AA	PAHRUMP NV	44.8	LIC	BLTT -1944
43	K43GU	DOLAN SPRINGS AZ	82.6	LIC	BLTT -20040521AAS
43	NEW	BRAWLEY CA	328.9	ADD	BPRM -20000717ACQ
43	KGMC	CLOVIS CA	391.4	PLN	DTVPLN -DTV1527
43	KGMC	CLOVIS CA	391.4	CP	BPCDT -20080313ACH
43	KGMC	CLOVIS CA	391.3	CP	BPCT -20030214ABD
43	KCBS-TV	LOS ANGELES CA	341.6	CP	BPCDT -20080409AAB
43	KCBS-TV	LOS ANGELES CA	341.6	PLN	DTVPLN -DTV1528
43	K43CC	SANTA CLARA UT	161.9	LIC	BLTT -19890224JS
44	K44AA	PAHRUMP NV	44.8	CP	BPTT -20051104ACN
43	KCBS-DT	LOS ANGELES CA	341.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record			
Channel	Call	City/State	Application Ref. No.
44	KHIZ	BARSTOW CA	BPCDT -20080403ABK

Stations Potentially Affecting This Station

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 11 of 16)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	KCBS-TV	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP1528
45	KUVI-TV	BAKERSFIELD CA	161.3	PLN	DTVPLN	-DTVP1603
45	KUVI-TV	BAKERSFIELD CA	161.3	CP	BPCDT	-20080328AIU
45	KRCA	RIVERSIDE CA	83.5	PLN	DTVPLN	-DTVP1604
43	KCBS-DT	LOS ANGELES CA	83.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 29
Scenario 1 Affected station 11
Before Analysis

Results for: 44A CA BARSTOW BPCDT 20080403ABK CP
HAAT 597.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12606657	38653.9
not affected by terrain losses	1621186	24082.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	648	112.9
lost to ATV IX only	648	112.9
lost to all IX	648	112.9

Potential Interfering Stations Included in above Scenario 1

45A CA RIVERSIDE	DTVPLN	DTVP1604	PLN
43A CA LOS ANGELES	DTVPLN	DTVP1528	PLN

After Analysis

Results for: 44A CA BARSTOW BPCDT 20080403ABK CP
HAAT 597.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12606657	38653.9
not affected by terrain losses	1621186	24082.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	648	117.0
lost to ATV IX only	648	117.0
lost to all IX	648	117.0

Potential Interfering Stations Included in above Scenario 1

45A CA RIVERSIDE	DTVPLN	DTVP1604	PLN
43A CA LOS ANGELES	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	KHIZ	BARSTOW CA	DTVPLN	-DTVP1565

Stations Potentially Affecting This Station

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 12 of 16)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	KCBS-TV	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP1528
45	KUVI-TV	BAKERSFIELD CA	161.3	PLN	DTVPLN	-DTVP1603
45	KUVI-TV	BAKERSFIELD CA	161.3	CP	BPCDT	-20080328AIU
45	KRCA	RIVERSIDE CA	83.5	PLN	DTVPLN	-DTVP1604
43	KCBS-DT	LOS ANGELES CA	83.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 30
Scenario 1 Affected station 12
Before Analysis

Results for: 44A CA BARSTOW DTVPLN DTVP1565 PLN
HAAT 596.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12648904	44569.2
not affected by terrain losses	1578790	27587.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	548	108.8
lost to ATV IX only	548	108.8
lost to all IX	548	108.8

Potential Interfering Stations Included in above Scenario 1

45A CA RIVERSIDE	DTVPLN	DTVP1604	PLN
43A CA LOS ANGELES	DTVPLN	DTVP1528	PLN

After Analysis

Results for: 44A CA BARSTOW DTVPLN DTVP1565 PLN
HAAT 596.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12648904	44569.2
not affected by terrain losses	1578790	27587.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	548	124.9
lost to ATV IX only	548	124.9
lost to all IX	548	124.9

Potential Interfering Stations Included in above Scenario 1

45A CA RIVERSIDE	DTVPLN	DTVP1604	PLN
43A CA LOS ANGELES	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	KHIZ	BARSTOW CA	BLCDT	-20070620ADR

Stations Potentially Affecting This Station

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 13 of 16)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	KCBS-TV	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP1528
45	KUVI-TV	BAKERSFIELD CA	161.3	PLN	DTVPLN	-DTVP1603
45	KUVI-TV	BAKERSFIELD CA	161.3	CP	BPCDT	-20080328AIU
45	KRCA	RIVERSIDE CA	83.5	PLN	DTVPLN	-DTVP1604
43	KCBS-DT	LOS ANGELES CA	83.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 31
Scenario 1 Affected station 13
Before Analysis

Results for: 44A CA BARSTOW BLCDDT 20070620ADR LIC
HAAT 596.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12648904	44569.2
not affected by terrain losses	1578790	27587.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	548	108.8
lost to ATV IX only	548	108.8
lost to all IX	548	108.8

Potential Interfering Stations Included in above Scenario 1

45A CA RIVERSIDE	DTVPLN	DTVP1604	PLN
43A CA LOS ANGELES	DTVPLN	DTVP1528	PLN

After Analysis

Results for: 44A CA BARSTOW BLCDDT 20070620ADR LIC
HAAT 596.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	12648904	44569.2
not affected by terrain losses	1578790	27587.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	548	124.9
lost to ATV IX only	548	124.9
lost to all IX	548	124.9

Potential Interfering Stations Included in above Scenario 1

45A CA RIVERSIDE	DTVPLN	DTVP1604	PLN
43A CA LOS ANGELES	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	KSKJ-CA	VAN NUYS CA	BPTTA	-20050714ACI

Stations Potentially Affecting This Station

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 14 of 16)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KPXN	SAN BERNARDINO CA	38.5	LIC	BLCDDT	-20050623AAG
38	KPXN	SAN BERNARDINO CA	38.5	PLN	DTVPLN	-DTVP1357
38	KPMR	SANTA BARBARA CA	139.1	LIC	BMLCT	-20051228ACS
41	KLCS	LOS ANGELES CA	38.2	APP	BPEDT	-20080326AJE
41	KLCS	LOS ANGELES CA	38.2	PLN	DTVPLN	-DTVP1462
41	KLCS	LOS ANGELES CA	38.2	LIC	BLEDT	-20030507AAS
42	KWHY-TV	LOS ANGELES CA	38.5	LIC	BLCDDT	-20060629AFB
42	KWHY-TV	LOS ANGELES CA	38.5	PLN	DTVPLN	-DTVP1491
43	KCBS-TV	LOS ANGELES CA	37.7	CP	BPCDDT	-20080409AAB
43	KCBS-TV	LOS ANGELES CA	37.7	PLN	DTVPLN	-DTVP1528
44	KHIZ	BARSTOW CA	114.5	CP	BPCDDT	-20080403ABK
44	KHIZ	BARSTOW CA	114.5	PLN	DTVPLN	-DTVP1565
44	KHIZ	BARSTOW CA	114.5	LIC	BLCDDT	-20070620ADR
44	KXLA	RANCHO PALOS VERDES CA	37.8	CP MOD	BMFCT	-20031128AAV
45	KUVI-TV	BAKERSFIELD CA	130.7	LIC	BLCT	-19881229KFF
45	KUVI-TV	BAKERSFIELD CA	130.7	PLN	DTVPLN	-DTVP1603
45	KUVI-TV	BAKERSFIELD CA	130.7	CP	BPCDDT	-20080328AIU
45	KHTV-LP	INLAND EMPIRE CA	38.5	APP	BP TTL	-20021016AAZ
45	KRMV-LP	MORENO VALLEY CA	155.0	LIC	BL TTL	-20070130AJO
45	KLAU-LP	REDLANDS CA	37.8	APP	BP TTL	-20020528AAZ
45	K45GQ	RIDGECREST CA	151.1	CP	BP TT	-20041216AAT
45	KRCA	RIVERSIDE CA	38.5	PLN	DTVPLN	-DTVP1604
45	K45DU	VENTURA CA	79.6	LIC	BL TT	-19960124JFF
45	NEW	NORTH LAS VEGAS NV	372.0	ADD	BPRM	-19960725AAJ
46	KFTR-TV	ONTARIO CA	37.8	LIC	BLCT	-20050217AAG
47	KAZA-TV	AVALON CA	37.8	LIC	BLCDDT	-20051223AAZ
47	KAZA-TV	AVALON CA	37.8	PLN	DTVPLN	-DTVP1667
48	KOCE-TV	HUNTINGTON BEACH CA	37.8	LIC	BLEDT	-20041117ADG
48	KOCE-TV	HUNTINGTON BEACH CA	37.8	PLN	DTVPLN	-DTVP1697
49	KJLA	VENTURA CA	37.8	LIC	BLCDDT	-20041117AAB
49	KJLA	VENTURA CA	37.8	PLN	DTVPLN	-DTVP1731
43	KCBS-DT	LOS ANGELES CA	37.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	KSKJ-CA	VAN NUYS CA	BSTA	-20050801CEA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KPXN	SAN BERNARDINO CA	38.5	LIC	BLCDDT	-20050623AAG
38	KPXN	SAN BERNARDINO CA	38.5	PLN	DTVPLN	-DTVP1357
38	KPMR	SANTA BARBARA CA	139.1	LIC	BMLCT	-20051228ACS
41	KLCS	LOS ANGELES CA	38.2	APP	BPEDT	-20080326AJE
41	KLCS	LOS ANGELES CA	38.2	PLN	DTVPLN	-DTVP1462
41	KLCS	LOS ANGELES CA	38.2	LIC	BLEDT	-20030507AAS
42	KWHY-TV	LOS ANGELES CA	38.5	LIC	BLCDDT	-20060629AFB
42	KWHY-TV	LOS ANGELES CA	38.5	PLN	DTVPLN	-DTVP1491
43	KCBS-TV	LOS ANGELES CA	37.7	CP	BPCDDT	-20080409AAB
43	KCBS-TV	LOS ANGELES CA	37.7	PLN	DTVPLN	-DTVP1528
44	KHIZ	BARSTOW CA	114.5	CP	BPCDDT	-20080403ABK
44	KHIZ	BARSTOW CA	114.5	PLN	DTVPLN	-DTVP1565
44	KHIZ	BARSTOW CA	114.5	LIC	BLCDDT	-20070620ADR

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 15 of 16)

44	KXLA	RANCHO PALOS VERDES CA	37.8	CP MOD	BMPCT	-20031128AAV
45	KUVI-TV	BAKERSFIELD CA	130.7	LIC	BLCT	-19881229KF
45	KUVI-TV	BAKERSFIELD CA	130.7	PLN	DTVPLN	-DTVPI603
45	KUVI-TV	BAKERSFIELD CA	130.7	CP	BPCDT	-20080328AIU
45	KHTV-LP	INLAND EMPIRE CA	38.5	APP	BPTTL	-20021016AAZ
45	KRMV-LP	MORENO VALLEY CA	155.0	LIC	BLTTL	-20070130AJJO
45	KLAU-LP	REDLANDS CA	37.8	APP	BPTTL	-20020528AAZ
45	K45GQ	RIDGECREST CA	151.1	CP	BPTT	-20041216AAT
45	KRCA	RIVERSIDE CA	38.5	PLN	DTVPLN	-DTVPI604
45	K45DU	VENTURA CA	79.6	LIC	BLTT	-19960124JF
45	NEW	NORTH LAS VEGAS NV	372.0	ADD	BPRM	-19960725AAJ
46	KFTR-TV	ONTARIO CA	37.8	LIC	BLCT	-20050217AAG
47	KAZA-TV	AVALON CA	37.8	LIC	BLCDT	-20051223AAZ
47	KAZA-TV	AVALON CA	37.8	PLN	DTVPLN	-DTVPI667
48	KOCE-TV	HUNTINGTON BEACH CA	37.8	LIC	BLEDT	-20041117ADG
48	KOCE-TV	HUNTINGTON BEACH CA	37.8	PLN	DTVPLN	-DTVPI697
49	KJLA	VENTURA CA	37.8	LIC	BLCDT	-20041117AAB
49	KJLA	VENTURA CA	37.8	PLN	DTVPLN	-DTVPI731
43	KCBS-DT	LOS ANGELES CA	37.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	KSKJ-CA	VAN NUYS CA	BSTA -20050714ACK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KPXN	SAN BERNARDINO CA	38.5	LIC	BLCDT -20050623AAG
38	KPXN	SAN BERNARDINO CA	38.5	PLN	DTVPLN -DTVPI357
38	KPMR	SANTA BARBARA CA	139.1	LIC	BMLCT -20051228BACS
41	KLCS	LOS ANGELES CA	38.2	APP	BPEDT -20080326AJE
41	KLCS	LOS ANGELES CA	38.2	PLN	DTVPLN -DTVPI462
41	KLCS	LOS ANGELES CA	38.2	LIC	BLEDT -20030507AAS
42	KWHY-TV	LOS ANGELES CA	38.5	LIC	BLCDT -20060629AFB
42	KWHY-TV	LOS ANGELES CA	38.5	PLN	DTVPLN -DTVPI491
43	KCBS-TV	LOS ANGELES CA	37.7	CP	BPCDT -20080409AAB
43	KCBS-TV	LOS ANGELES CA	37.7	PLN	DTVPLN -DTVPI528
44	KHIZ	BARSTOW CA	114.5	CP	BPCDT -20080403ABK
44	KHIZ	BARSTOW CA	114.5	PLN	DTVPLN -DTVPI565
44	KHIZ	BARSTOW CA	114.5	LIC	BLCDT -20070620ADR
44	KXLA	RANCHO PALOS VERDES CA	37.8	CP MOD	BMPCT -20031128AAV
45	KUVI-TV	BAKERSFIELD CA	130.7	LIC	BLCT -19881229KF
45	KUVI-TV	BAKERSFIELD CA	130.7	PLN	DTVPLN -DTVPI603
45	KUVI-TV	BAKERSFIELD CA	130.7	CP	BPCDT -20080328AIU
45	KHTV-LP	INLAND EMPIRE CA	38.5	APP	BPTTL -20021016AAZ
45	KRMV-LP	MORENO VALLEY CA	155.0	LIC	BLTTL -20070130AJJO
45	KLAU-LP	REDLANDS CA	37.8	APP	BPTTL -20020528AAZ
45	K45GQ	RIDGECREST CA	151.1	CP	BPTT -20041216AAT
45	KRCA	RIVERSIDE CA	38.5	PLN	DTVPLN -DTVPI604
45	K45DU	VENTURA CA	79.6	LIC	BLTT -19960124JF
45	NEW	NORTH LAS VEGAS NV	372.0	ADD	BPRM -19960725AAJ
46	KFTR-TV	ONTARIO CA	37.8	LIC	BLCT -20050217AAG
47	KAZA-TV	AVALON CA	37.8	LIC	BLCDT -20051223AAZ
47	KAZA-TV	AVALON CA	37.8	PLN	DTVPLN -DTVPI667
48	KOCE-TV	HUNTINGTON BEACH CA	37.8	LIC	BLEDT -20041117ADG

Table 2 KCBS-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 16 of 16)

48	KOCE-TV	HUNTINGTON BEACH CA	37.8	PLN	DTVPLN	-DTVPI697
49	KJLA	VENTURA CA	37.8	LIC	BLCDT	-20041117AAB
49	KJLA	VENTURA CA	37.8	PLN	DTVPLN	-DTVPI731
43	KCBS-DT	LOS ANGELES CA	37.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	KCBS-DT	LOS ANGELES CA	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	KWHY-TV	LOS ANGELES CA	1.6	LIC	BLCDT -20060629AFB
42	KWHY-TV	LOS ANGELES CA	1.6	PLN	DTVPLN -DTVPI491
42	KESQ-TV	PALM SPRINGS CA	155.6	PLN	DTVPLN -DTVPI492
42	KESQ-TV	PALM SPRINGS CA	155.6	APP	BPCDT -20080222ACV
43	KGMC	CLOVIS CA	300.8	PLN	DTVPLN -DTVPI527
43	KGMC	CLOVIS CA	300.8	CP	BPCDT -20080313ACH
44	KHIZ	BARSTOW CA	83.2	CP	BPCDT -20080403ABK
44	KHIZ	BARSTOW CA	83.2	PLN	DTVPLN -DTVPI565
44	KHIZ	BARSTOW CA	83.2	LIC	BLCDT -20070620ADR

Total scenarios = 6

Result key: 36

Scenario 5 Affected station 17
Before Analysis

Results for: 43A CA LOS ANGELES USERRECORD01 APP

HAAT	953.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	16345475	47796.6	
not affected by terrain losses	15232140	36383.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	142903	900.7	
lost to ATV IX only	142903	900.7	
lost to all IX	142903	900.7	

Potential Interfering Stations Included in above Scenario 5

42A CA LOS ANGELES	DTVPLN	DTVPI491	PLN
44A CA BARSTOW	DTVPLN	DTVPI565	PLN

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

SECTION III-D - DTV Engineering**Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.**

Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction permit application to change pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.

1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:

(a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622.	<input checked="" type="radio"/> Yes <input type="radio"/> No
(b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input type="radio"/> No
(c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input type="radio"/> No
(d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B").	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
(e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B.	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. Applicant must submit the Exhibit called for in Item 13.	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.	<input checked="" type="radio"/> Yes <input type="radio"/> No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable.	<input checked="" type="radio"/> Yes <input type="radio"/> No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	<input checked="" type="radio"/> Yes <input type="radio"/> No

SECTION III-D - DTV Engineering**TECHNICAL SPECIFICATIONS**

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1.	Channel Number: DTV 43 Analog TV, if any 2
2.	Zone: <input type="radio"/> I <input checked="" type="radio"/> II <input type="radio"/> III
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 34 Minutes 13 Seconds 38 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 118 Minutes 4 Seconds 0 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1007719 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 1741 meters
6.	Overall Tower Height Above Ground Level: 141.4 meters
7.	Height of Radiation Center Above Ground Level: 103 meters
8.	Height of Radiation Center Above Average Terrain : 950.9 meters

9.	Maximum Effective Radiated Power (average power):	1000 kW																																																																																																
10.	<div>Antenna Specifications:</div> <div>a. Manufacturer HAR Model TAD-16UDA-8/64</div> <div>b. Electrical Beam Tilt: 1.7 degrees <input type="checkbox"/> Not Applicable</div> <div>c. Mechanical Beam Tilt: 1 degrees toward azimuth 217 degrees True <input type="checkbox"/> Not Applicable Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 42]</div> <div>d. Polarization: <input checked="" type="radio"/> Horizontal <input type="radio"/> Circular <input type="radio"/> Elliptical</div> <div>e. Directional Antenna Relative Field Values: <input type="checkbox"/> Not applicable (Nondirectional)</div> <div>[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.] [Relative Field Values]</div> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"><div style="text-align: center;">10e. Directional Antenna Relative Field Values [Fill in this subform for a composite directional (not off-the-shelf) antenna, only.]</div><div style="border: 1px solid black; padding: 5px;"><div>e. Directional Antenna Relative Field Values:</div><div>Rotation (Degrees): 0 <input checked="" type="checkbox"/> No Rotation</div><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"><thead><tr><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th><th>Degrees</th><th>Value</th></tr></thead><tbody><tr><td>0</td><td>0.822</td><td>10</td><td>0.946</td><td>20</td><td>0.767</td><td>30</td><td>0.829</td><td>40</td><td>0.945</td><td>50</td><td>0.667</td></tr><tr><td>60</td><td>0.917</td><td>70</td><td>0.873</td><td>80</td><td>0.798</td><td>90</td><td>0.816</td><td>100</td><td>0.908</td><td>110</td><td>0.725</td></tr><tr><td>120</td><td>0.77</td><td>130</td><td>0.854</td><td>140</td><td>0.568</td><td>150</td><td>0.728</td><td>160</td><td>0.65</td><td>170</td><td>0.554</td></tr><tr><td>180</td><td>0.532</td><td>190</td><td>0.561</td><td>200</td><td>0.429</td><td>210</td><td>0.414</td><td>220</td><td>0.471</td><td>230</td><td>0.332</td></tr><tr><td>240</td><td>0.453</td><td>250</td><td>0.497</td><td>260</td><td>0.486</td><td>270</td><td>0.532</td><td>280</td><td>0.614</td><td>290</td><td>0.562</td></tr><tr><td>300</td><td>0.643</td><td>310</td><td>0.77</td><td>320</td><td>0.575</td><td>330</td><td>0.847</td><td>340</td><td>0.836</td><td>350</td><td>0.778</td></tr><tr><td>Additional Azimuths</td><td></td><td>36</td><td>1</td><td>126</td><td>0.92</td><td>216</td><td>0.499</td><td>306</td><td>0.794</td><td></td><td></td></tr></tbody></table><div style="text-align: center; margin-top: 5px;">Relative Field Polar Plot</div></div></div> <div>If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. Exhibit required. [Exhibit 43]</div>		Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	0	0.822	10	0.946	20	0.767	30	0.829	40	0.945	50	0.667	60	0.917	70	0.873	80	0.798	90	0.816	100	0.908	110	0.725	120	0.77	130	0.854	140	0.568	150	0.728	160	0.65	170	0.554	180	0.532	190	0.561	200	0.429	210	0.414	220	0.471	230	0.332	240	0.453	250	0.497	260	0.486	270	0.532	280	0.614	290	0.562	300	0.643	310	0.77	320	0.575	330	0.847	340	0.836	350	0.778	Additional Azimuths		36	1	126	0.92	216	0.499	306	0.794		
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11.	Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if Certification Checklist Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616? If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.	<input checked="" type="radio"/> Yes <input type="radio"/> No [Exhibit 44]																																																																																																
12.	If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if Certification Checklist item 3 is answered "No.")	[Exhibit 45]																																																																																																
13.	Environmental Protection Act. Submit in an Exhibit the following: If Certification Checklist Item 2 is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site. By checking "Yes" to Certification Checklist Item 2, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines. If Certification Checklist Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.	[Exhibit 46]																																																																																																
PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.																																																																																																		

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JOSEPH M. DAVIS, P.E.	Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature	Date 6/9/2008	
Mailing Address CHESAPEAKE RF CONSULTANTS, LLC 11993 KAHNS ROAD		
City MANASSAS	State or Country (if foreign address) VA	Zip Code 20112 -
Telephone Number (include area code) 7036509600	E-Mail Address (if available) JOSEPH.DAVIS@RF-CONSULTANTS.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Any specified rotation has already been applied to the plotted pattern.

Field strength values shown on a rotated pattern may differ from the listed values because intermediate azimuths are interpolated between entered azimuths.

