

ENGINEERING EXHIBIT

Digital Class A Television Station Application for Minor Modification of Licensed Facility prepared for

Delta Media Corporation
KDCG-CD Opelousas, LA
Facility ID 349
Ch. 22 15 kW Directional

Delta Media Corporation (“Delta”) is the licensee of Class A television station KDCG-CD, Channel 22, Facility ID 349, Opelousas LA. KDCG-CD is licensed to operate (file# BLDTA-20140813AAQ) with 15 kW effective radiated power (“ERP”) and uses a directional antenna. *Delta* herein seeks a minor modification Construction Permit to utilize a different directional antenna, increase antenna height by 1.5 meters, and change to elliptical polarization. No change in the site location is proposed.

The proposed KDCG-CD facility will employ a replacement antenna system to be side-mounted on the tower structure associated with FCC Antenna Structure Registration number 1251823. No change to the overall structure height will result.

The proposed antenna is an elliptically polarized directional Dielectric model TLP-16B/VP having elliptical polarization (17 percent vertical power). The ERP is 15 kW using a “stringent” out of channel emission mask. The maximum horizontally polarized ERP is 15 kW and the maximum vertically polarized ERP is 2.55 kW. The vertically polarized component will not exceed the horizontally polarized component at any azimuth. A plot of the directional antenna’s azimuthal pattern is supplied in Figure 1.

Figure 2 depicts the 51 dB μ coverage contours of the proposed and licensed¹ facilities. The use of the same site and corresponding service area overlap demonstrate compliance with §73.3572 for a minor change.

¹As noted on Figure 2, the FCC LMS license record for the existing KDCG-CD indicates nondirectional

Interference study per OET Bulletin 69² shows that the proposal complies with the FCC's interference protection requirements toward all digital television, television translator, LPTV, and Class A stations. The results, summarized in Table 1, show that any new interference does not exceed the FCC's interference limits (0.5 percent to full power and Class A stations, and 2.0 percent to secondary stations) to any facility.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the FCC's OET Bulletin Number 65. Based on OET-65 equation (10), and considering 20 percent antenna relative field in downward elevations (pattern data shows less than 20 percent relative field at angles 10 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $0.3 \mu\text{W}/\text{cm}^2$, which is 0.1 percent of the general population/uncontrolled maximum permitted exposure limit. This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant 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. This

operation. However, the underlying Construction Permit (BPDTA-20110824ABC) and its application specified a directional antenna, and a substitute directional antenna was specified in the subsequent license application (BLDTA-20140813AAQ). It would appear that the as-built antenna information did not get completely updated in the database license record. The antenna pattern proposed herein closely matches that which was authorized in BPDTA-20110824ABC for KDCG-CD, resulting in a 51 dBμ contour that is nearly the same as the existing, actual KDCG-CD facility.

²FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). This analysis employed the FCC's current "TVStudy" software with the default application processing template settings, 1 km cell size, and 1 km terrain increment. Comparisons of various results of this computer program (run on a Mac processor) to the FCC's implementation of TVStudy show excellent correlation.

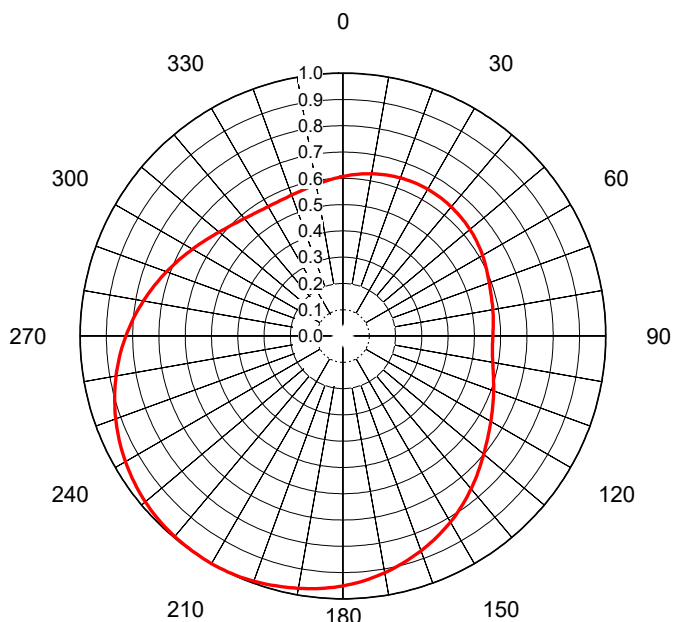
exhibit is limited to the evaluation of exposure to RF electromagnetic field. No increase in structure height is proposed.

List of Attachments

Figure 1	Antenna Azimuthal Pattern
Figure 2	Coverage Contour Comparison
Table 1	TVStudy Analysis of Proposal
Form 2100	Saved Version of Engineering Sections from FCC Form at Time of Upload

Chesapeake RF Consultants, LLC

Joseph M. Davis, P.E.	February 12, 2021	
207 Old Dominion Road	Yorktown, VA 23692	703-650-9600



AZIMUTH PATTERN Horizontal Polarization

Proposal No. **C-71664**
Date **8-Feb-21**
Call Letters **KDCG-CD**
Channel **22**
Frequency **521 MHz**
Antenna Type **TLP-16B/VP**
Gain **1.76 (2.45dB)**
Calculated

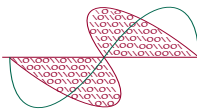
Pattern Number **TLP-B-22 Hpol**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.607	36	0.644	72	0.589	108	0.603	144	0.783	180	0.951	216	0.998	252	0.912	288	0.726
1	0.609	37	0.643	73	0.587	109	0.607	145	0.789	181	0.954	217	0.998	253	0.908	289	0.720
2	0.611	38	0.643	74	0.586	110	0.610	146	0.795	182	0.956	218	0.997	254	0.904	290	0.714
3	0.614	39	0.642	75	0.584	111	0.614	147	0.801	183	0.959	219	0.996	255	0.899	291	0.709
4	0.616	40	0.641	76	0.583	112	0.618	148	0.806	184	0.962	220	0.996	256	0.895	292	0.703
5	0.618	41	0.640	77	0.582	113	0.622	149	0.812	185	0.964	221	0.995	257	0.890	293	0.698
6	0.619	42	0.640	78	0.581	114	0.625	150	0.817	186	0.966	222	0.994	258	0.886	294	0.692
7	0.621	43	0.639	79	0.580	115	0.629	151	0.823	187	0.968	223	0.993	259	0.881	295	0.687
8	0.623	44	0.638	80	0.579	116	0.633	152	0.828	188	0.971	224	0.992	260	0.876	296	0.682
9	0.625	45	0.637	81	0.578	117	0.637	153	0.834	189	0.973	225	0.990	261	0.872	297	0.676
10	0.627	46	0.636	82	0.577	118	0.641	154	0.839	190	0.975	226	0.989	262	0.867	298	0.671
11	0.628	47	0.634	83	0.576	119	0.646	155	0.844	191	0.977	227	0.987	263	0.862	299	0.666
12	0.630	48	0.633	84	0.575	120	0.650	156	0.849	192	0.979	228	0.985	264	0.857	300	0.661
13	0.632	49	0.632	85	0.574	121	0.654	157	0.854	193	0.980	229	0.983	265	0.852	301	0.656
14	0.633	50	0.631	86	0.573	122	0.659	158	0.859	194	0.982	230	0.981	266	0.847	302	0.651
15	0.634	51	0.629	87	0.572	123	0.663	159	0.864	195	0.984	231	0.979	267	0.842	303	0.646
16	0.636	52	0.628	88	0.572	124	0.668	160	0.869	196	0.986	232	0.977	268	0.836	304	0.641
17	0.637	53	0.626	89	0.571	125	0.673	161	0.874	197	0.988	233	0.975	269	0.831	305	0.637
18	0.638	54	0.625	90	0.570	126	0.678	162	0.879	198	0.990	234	0.972	270	0.826	306	0.632
19	0.639	55	0.623	91	0.570	127	0.683	163	0.883	199	0.991	235	0.970	271	0.820	307	0.628
20	0.640	56	0.621	92	0.570	128	0.688	164	0.888	200	0.993	236	0.967	272	0.815	308	0.624
21	0.641	57	0.619	93	0.570	129	0.694	165	0.893	201	0.994	237	0.964	273	0.810	309	0.619
22	0.642	58	0.618	94	0.570	130	0.699	166	0.897	202	0.995	238	0.961	274	0.804	310	0.615
23	0.643	59	0.616	95	0.571	131	0.705	167	0.902	203	0.996	239	0.958	275	0.799	311	0.612
24	0.643	60	0.613	96	0.572	132	0.711	168	0.906	204	0.997	240	0.955	276	0.793	312	0.608
25	0.644	61	0.611	97	0.573	133	0.716	169	0.910	205	0.998	241	0.952	277	0.787	313	0.604
26	0.644	62	0.609	98	0.575	134	0.722	170	0.914	206	0.999	242	0.949	278	0.782	314	0.601
27	0.645	63	0.607	99	0.577	135	0.728	171	0.919	207	0.999	243	0.946	279	0.776	315	0.597
28	0.645	64	0.605	100	0.579	136	0.734	172	0.923	208	0.999	244	0.942	280	0.771	316	0.594
29	0.645	65	0.602	101	0.581	137	0.740	173	0.927	209	1.000	245	0.939	281	0.765	317	0.591
30	0.645	66	0.600	102	0.584	138	0.747	174	0.930	210	1.000	246	0.935	282	0.759	318	0.589
31	0.645	67	0.598	103	0.587	139	0.753	175	0.934	211	1.000	247	0.932	283	0.754	319	0.586
32	0.645	68	0.596	104	0.590	140	0.759	176	0.938	212	0.999	248	0.928	284	0.748	320	0.583
33	0.645	69	0.594	105	0.593	141	0.765	177	0.941	213	0.999	249	0.924	285	0.742	321	0.581
34	0.645	70	0.592	106	0.596	142	0.771	178	0.944	214	0.999	250	0.920	286	0.737	322	0.579
35	0.644	71	0.590	107	0.600	143	0.777	179	0.948	215	0.998	251	0.916	287	0.731	323	0.577

Figure 1
Antenna Azimuthal Pattern
KDCG-CD Opelousas, LA
Facility ID 349
Ch. 22 15 kW Directional

prepared for
Delta Media Corporation

February, 2021



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

Figure 2
Coverage Contour Comparison
KDCG-CD Opelousas, LA
Facility ID 349
Ch. 22 15 kW Directional

prepared for
Delta Media Corporation

February, 2021

Existing KDCG-CD
51 dBu Contour
Current LMS Record
Nondirectional Antenna Pattern
BLDTA-20140813AAQ
Underlying CP Authorization
Directional Antenna - As Built
BPDTA-20110824ABC (red dashed)

Proposed KDCG-CD
15 kW ERP Directional
51 dBu Contour (blue)

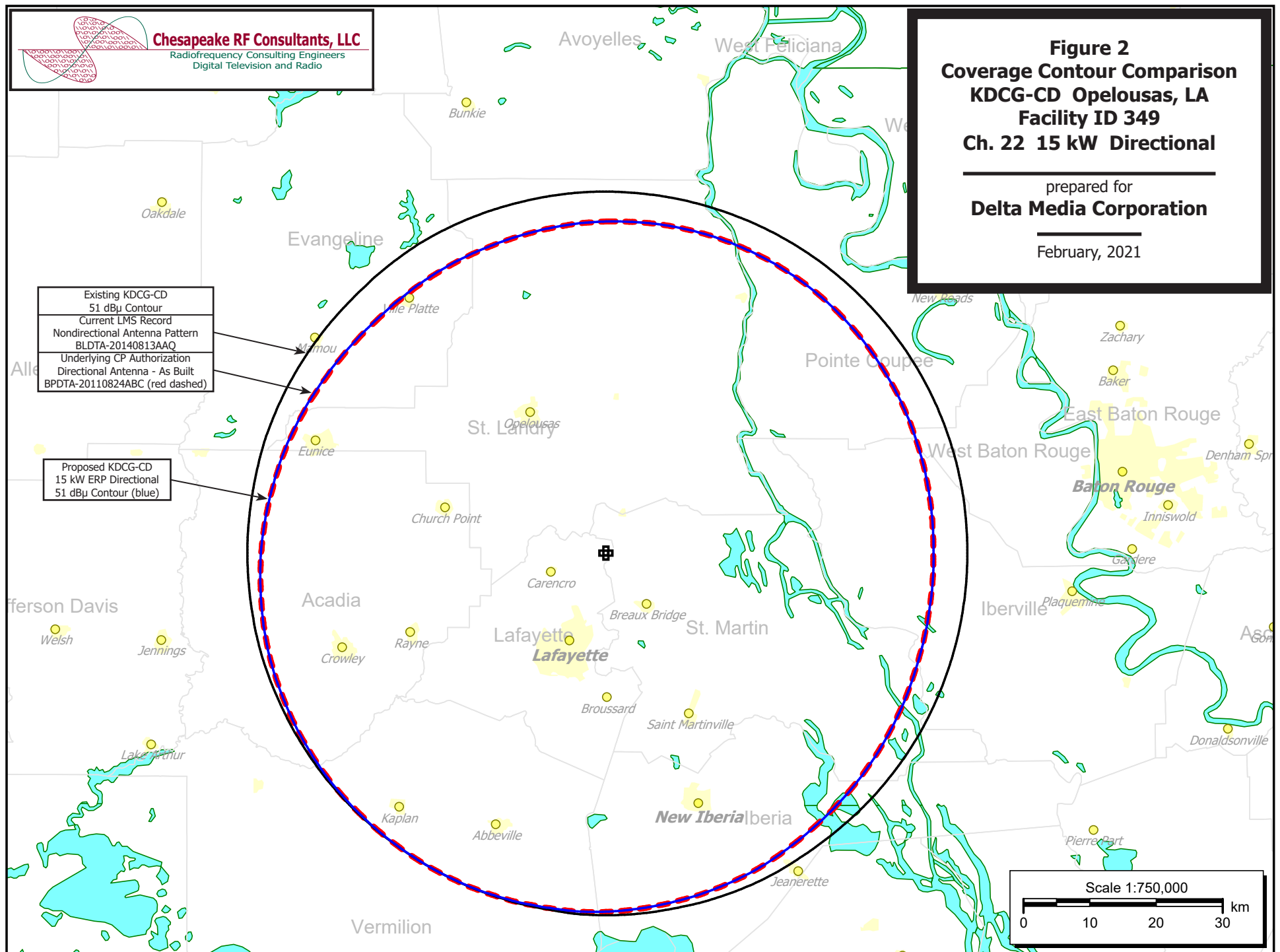


Table 1 KDCG-CD TVStudy Analysis of Proposal (page 1 of 4)



tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KDCG-DC prop, Model: Longley-Rice
Start: 2021.02.11 13:04:34

Study created: 2021.02.11 13:04:34

Study build station data: LMS TV 2021-02-05

Proposal: KDCG-CD D22 DC APP OPELOUSAS, LA
File number: KDCG-DC prop
Facility ID: 349
Station data: User record
Record ID: 3466
Country: U.S.

Build options:
Protect LPTV records from Class A

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K02QB	D21	LD	CP	ALEXANDRIA, LA	BDISDTL20090824AGJ	110.4 km
No	WBRL-CD	D21	DC	LIC	BATON ROUGE, LA	BLDTA20100908AAP	65.9
Yes	K21OM-D	D21	LD	LIC	LAFAYETTE, LA	BLANK0000105971	42.4
No	K45HY	D21+	LD	CP	LAKE CHARLES, LA	BLANK0000125654	123.3
No	WHNO	D21	DT	LIC	NEW ORLEANS, LA	BLCDT20050413AAK	192.2
No	WAPT	D21	DT	LIC	JACKSON, MS	BLCDT20081126ALZ	267.2
No	K22GT	N22z	TX	LIC	LAKE CHARLES, LA	BLTTL20060103ABZ	147.8
Yes	K22NI-D	D22	LD	LIC	LEESVILLE, LA	BLANK0000064144	154.4
Yes	KWBJ-CD	D22	DC	LIC	MORGAN CITY, LA	BLDTA20090512AAZ	100.4
No	WTNO-LP	D22	DC	LIC	NEW ORLEANS, LA	BLANK0000001586	179.6
No	WTNO-LP	D22	DC	CP	NEW ORLEANS, LA	BLANK0000127566	179.6
Yes	K22IB-D	D22	LD	CP	VIDALIA, LA	BDCCDTT20061024AFE	138.2
Yes	KMCT-TV	D22	DT	LIC	WEST MONROE, LA	BLANK0000063151	241.1
No	W22EO-D	D22	LD	CP	GREENVILLE, MS	BNPDTL20101018ACV	353.6
Yes	WHLT	D22	DT	LIC	HATTIESBURG, MS	BLANK0000068599	285.6
No	KUMY-LD	D22	LD	LIC	BEAUMONT, TX	BLDTL20120308ACH	207.3
No	KTMD	D22	DT	LIC	GALVESTON, TX	BLANK0000073375	352.2
No	KETK-TV	D22	DT	LIC	JACKSONVILLE, TX	BMLCDT20120516ABW	371.5
No	KUVM-LD	D22	LD	LIC	MISSOURI CITY, TX	BLDTL20121017AAZ	352.4
No	K23MM-D	D23	LD	LIC	ALEXANDRIA, LA	BLANK0000014074	116.8
No	WSTY-LP	N23-	TX	LIC	HAMMOND, LA	BLTTL19990104JE	143.4
Yes	KLPB-TV	D23	DT	LIC	LAFAYETTE, LA	BLEDT20130820AAH	30.8
No	W23EC-D	D23	LD	CP	LAKE CHARLES, LA	BNPDTL20100407ABO	123.9
No	WLAE-TV	D23	DT	LIC	NEW ORLEANS, LA	BLANK0000087542	197.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Mask: Stringent
Latitude: 30 20 33.00 N (NAD83)
Longitude: 91 57 46.60 W
Height AMSL: 285.9 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE DLP-B AZ 210.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	6.57 kW	279.6 m	51.7 km
45.0	7.01	280.3	52.0
90.0	5.90	279.9	51.1
135.0	8.52	279.9	53.0
180.0	13.6	281.7	55.6

Table 1 KDCG-CD TVStudy Analysis of Proposal
(page 2 of 4)



225.0	14.6	274.5	55.6
270.0	10.3	272.3	53.6
315.0	6.20	273.6	51.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 278 m

Distance to Canadian border: 1507.2 km

Distance to Mexican border: 686.9 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 242.2 degrees Distance: 660.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 315.8 degrees Distance: 1618.5 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000105971 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K21OM-D	D21	LD	LIC	LAFAYETTE, LA	BLANK0000105971	
Undesireds:	KDCG-CD	D22	DC	BL	OPELOUSAS, LA	DTVBL349	42.4 km
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	42.4
	K45HY	D21+	LD	CP	LAKE CHARLES, LA	BLANK0000125654	85.4
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	5652.0	402,485	5652.0	402,485	5373.7 384,694	5434.7 389,559	-1.14 -1.26
Undesired				Total IX	Unique IX, before	Unique IX, after	
KDCG-CD D22 DC BL		224.2		17,549	224.2	17,549	
KDCG-CD D22 DC APP		163.1		12,684		163.1 12,684	
K45HY D21+ LD CP		54.1		242	54.1 242	54.1 242	

Interference to BLANK0000064144 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K22NI-D	D22	LD	LIC	LEESVILLE, LA	BLANK0000064144	
Undesireds:	KDCG-CD	D22	DC	BL	OPELOUSAS, LA	DTVBL349	154.4 km
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	154.4
	K02QB	D21	LD	CP	ALEXANDRIA, LA	BDISDTL20090824AGJ	70.1
	WTNO-LP	D22	DC	LIC	NEW ORLEANS, LA	BLANK0000001586	324.3
	KTMD	D22	DT	LIC	GALVESTON, TX	BLANK0000073375	288.5
	KETK-TV	D22	DT	LIC	JACKSONVILLE, TX	BMLCDT20120516ABW	220.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	7051.1	88,168	7031.8	87,993	6814.4 84,883	6814.4 84,883	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KDCG-CD D22 DC BL		1.0		0	0.0	0	
KDCG-CD D22 DC APP		1.0		0		0.0 0	
K02QB D21 LD CP		147.4		1,848	143.3 1,759	143.3 1,759	
KTMD D22 DT LIC		2.0		0	0.0 0	0.0 0	
KETK-TV D22 DT LIC		73.1		1,351	68.0 1,262	68.0 1,262	

Interference to BLDTA20090512AAZ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KWBJ-CD	D22	DC	LIC	MORGAN CITY, LA	BLDTA20090512AAZ	

Table 1 KDCG-CD TVStudy Analysis of Proposal
(page 3 of 4)



Undesireds:	KDCG-CD	D22	DC	BL	OPELOUSAS, LA	DTVBL349	100.4 km
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	100.4
	WTNO-LP	D22	DC	LIC	NEW ORLEANS, LA	BLANK0000001586	106.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
4621.8 105,887	4621.8 105,887	4309.4 100,901	4392.8 101,064	-1.93 -0.16

Undesired	Total IX	Unique IX, before	Unique IX, after
KDCG-CD D22 DC BL	312.5	4,986	312.5 4,986
KDCG-CD D22 DC APP	229.1	4,823	229.1 4,823

Interference to BDCCDTT20061024AFE CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K22IB-D	D22	LD	CP	VIDALIA, LA	BDCCDTT20061024AFE	
Undesireds:	KDCG-CD	D22	DC	BL	OPELOUSAS, LA	DTVBL349	138.2 km
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	138.2
	WTNO-LP	D22	DC	LIC	NEW ORLEANS, LA	BLANK0000001586	199.0
	WHLT	D22	DT	LIC	HATTIESBURG, MS	BLANK0000068599	197.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
6727.3 73,940	6715.2 73,903	6695.9 73,834	6695.9 73,834	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KDCG-CD D22 DC BL	1.0	0	0.0 0
KDCG-CD D22 DC APP	0.0	0	0.0 0
WHLT D22 DT LIC	19.3	69	18.3 69 19.3 69

Interference to BLANK0000063151 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMCT-TV	D22	DT	LIC	WEST MONROE, LA	BLANK0000063151	
Undesireds:	KDCG-CD	D22	DC	BL	OPELOUSAS, LA	DTVBL349	241.1 km
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	241.1
	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDT20090225AAV	256.6
	WTNO-LP	D22	DC	LIC	NEW ORLEANS, LA	BLANK0000001586	339.8
	WHLT	D22	DT	LIC	HATTIESBURG, MS	BLANK0000068599	300.6
	KETK-TV	D22	DT	LIC	JACKSONVILLE, TX	BMLCDT20120516ABW	301.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
9098.4 267,028	9078.3 267,019	8805.1 265,126	8805.1 265,126	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KDCG-CD D22 DC BL	2.0	4	0.0 0
KDCG-CD D22 DC APP	0.0	0	0.0 0
KATV D22 DT LIC	255.1	1,846	219.0 1,097 219.0 1,097
WHLT D22 DT LIC	2.0	4	0.0 0
KETK-TV D22 DT LIC	54.2	796	16.1 43 16.1 43

Interference to BLANK0000068599 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHLT	D22	DT	LIC	HATTIESBURG, MS	BLANK0000068599	
Undesireds:	KDCG-CD	D22	DC	BL	OPELOUSAS, LA	DTVBL349	285.6 km
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	285.6
	WAPT	D21	DT	LIC	JACKSON, MS	BLCDT20081126ALZ	139.2
	WFIQ	D22	DT	LIC	FLORENCE, AL	BLEDT20060718ACG	377.8
	WCOV-TV	D22	DT	LIC	MONTGOMERY, AL	BLANK0000115937	297.6
	WTNO-LP	D22	DC	LIC	NEW ORLEANS, LA	BLANK0000001586	181.1
	WDPM-DT	D23	DT	LIC	MOBILE, AL	BLCDT20090420AAD	178.6
	WLAE-TV	D23	DT	LIC	NEW ORLEANS, LA	BLANK0000087542	172.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26564.1 484,721	26324.6 483,276	25934.6 477,442	25935.6 477,442	-0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
-----------	----------	-------------------	------------------

Table 1 KDCG-CD TVStudy Analysis of Proposal
(page 4 of 4)

KDCG-CD D22 DC BL	1.0	0	1.0	0		
KDCG-CD D22 DC APP	0.0	0			0.0	0
WAPT D21 DT LIC	195.0	2,897	195.0	2,897	195.0	2,897
WFIQ D22 DT LIC	3.0	4	0.0	0	0.0	0
WCOV-TV D22 DT LIC	153.0	1,626	148.9	1,622	148.9	1,622
WTNO-LP D22 DC LIC	38.9	1,263	37.9	1,232	37.9	1,232
WDPM-DT D23 DT LIC	3.1	48	2.0	48	2.0	48
WLAE-TV D23 DT LIC	1.0	31	0.0	0	0.0	0

Interference to BLANK0000068599 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHLT	D22	DT	LIC	HATTIESBURG, MS	BLANK0000068599	
Undesireds:	KDCG-CD	D22	DC	BL	OPELOUSAS, LA	DTVBL349	285.6 km
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	285.6
	WAPT	D21	DT	LIC	JACKSON, MS	BLCDT20081126ALZ	139.2
	WFIQ	D22	DT	LIC	FLORENCE, AL	BLEDT20060718ACG	377.8
	WCOV-TV	D22	DT	LIC	MONTGOMERY, AL	BLANK0000115937	297.6
	WTNO-LP	D22	DC	CP	NEW ORLEANS, LA	BLANK0000127566	181.1
	WDPM-DT	D23	DT	LIC	MOBILE, AL	BLCDT20090420AAD	178.6
	WLAE-TV	D23	DT	LIC	NEW ORLEANS, LA	BLANK0000087542	172.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
26564.1		484,721		26324.6		483,276	25869.3 476,238
							-0.00 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after
KDCG-CD D22 DC BL			1.0		0		1.0 0
KDCG-CD D22 DC APP			0.0		0		0.0 0
WAPT D21 DT LIC			195.0		2,897		191.0 2,897
WFIQ D22 DT LIC			3.0		4		0.0 0
WCOV-TV D22 DT LIC			153.0		1,626		145.9 1,622
WTNO-LP D22 DC CP			114.3		2,467		104.2 2,436
WDPM-DT D23 DT LIC			3.1		48		2.0 48
WLAE-TV D23 DT LIC			1.0		31		0.0 0

Interference to BLEDT20130820AAH LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KLPB-TV	D23	DT	LIC	LAFAYETTE, LA	BLEDT20130820AAH	
Undesireds:	KDCG-CD	D22	DC	BL	OPELOUSAS, LA	DTVBL349	30.8 km
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	30.8
	WGMB-TV	D24	DT	LIC	BATON ROUGE, LA	BLANK0000113571	96.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24908.8		747,614		24908.8		747,614	24829.8 747,192
							24833.8 747,229
							-0.02 -0.00
Undesired			Total IX		Unique IX, before		Unique IX, after
KDCG-CD D22 DC BL			7.0		37		6.0 37
KDCG-CD D22 DC APP			2.0		0		2.0 0
WGMB-TV D24 DT LIC			73.0		385		72.0 385

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDCG-CD	D22	DC	APP	OPELOUSAS, LA	KDCG-DC prop	
Undesireds:	WTNO-LP	D22	DC	LIC	NEW ORLEANS, LA	BLANK0000001586	179.6 km
	KLPB-TV	D23	DT	LIC	LAFAYETTE, LA	BLEDT20130820AAH	30.8
Service area		Terrain-limited		IX-free		Percent IX	
8818.0		551,748		8818.0		551,748	0.05 0.00
Undesired			Total IX		Unique IX		Prct Unique IX
KLPB-TV D23 DT LIC			4.0		0		0.05 0.00

**Channel and
Facility
Information**

Section	Question	Response
Proposed Community of License	Facility ID	349
	State	Louisiana
	City	OPELOUSAS
	DCA Channel	22
	Designated Market Area	Lafayette LA

**Antenna Location
Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1251823
Coordinates (NAD83)	Latitude	30° 20' 33.0" N+
	Longitude	091° 57' 46.6" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	312.7 meters
	Support Structure Height	294.5 meters
	Ground Elevation (AMSL)	7.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	278.9 meters
	Height of Radiation Center Above Mean Sea Level	285.9 meters
	Effective Radiated Power	15 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TLP-16B/VP
	Rotation	210 degrees
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
Elevation Radiation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Stringent

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1.000	90	0.661	180	0.645	270	0.650
10	0.996	100	0.615	190	0.641	280	0.699
20	0.981	110	0.583	200	0.631	290	0.759
30	0.955	120	0.569	210	0.613	300	0.817
40	0.920	130	0.571	220	0.592	310	0.869
50	0.876	140	0.586	230	0.579	320	0.914
60	0.826	150	0.607	240	0.570	330	0.951
70	0.771	160	0.627	250	0.579	340	0.975
80	0.714	170	0.640	260	0.610	350	0.993

Additional Azimuths

Degree	V _A
--------	----------------