

ENGINEERING EXHIBIT

“Maximization” Application to Modify Digital Television Station Construction Permit

prepared for

KLFY, L.P.

KLFY-DT Lafayette, LA

Facility ID 35059

Ch. 10 20.3 kW 527 m

KLFY, L.P. (“*KLFY*”) is the licensee of television station KLFY-TV, analog Channel 10 and digital Channel 56, Lafayette, LA. A Construction Permit (“CP”, BPCDT-20080313AAQ) authorizes construction of the KLFY-DT post-transition digital facility on Channel 10, as established in Appendix B of the Seventh Report and Order in MB Docket 87-278. *KLFY* herein seeks to modify the CP to expand the KLFY-DT post-transition Channel 10 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 19.6 kW at 527 meters antenna height above average terrain (“HAAT”), with a nondirectional antenna. An increase in ERP to 20.3 kW is proposed herein. No other changes are proposed.

The proposed digital Channel 10 operation will employ the existing non-directional antenna system licensed for KLFY-TV’s analog Channel 10. The antenna is a horizontally polarized RCA model TW-12A10. The antenna is top-mounted on the existing KLFY-TV antenna supporting structure, having FCC Antenna Structure Registration (“ASR”) number 1060744. No change to the overall structure height and no tower work are required to carry out this proposal.

A map is supplied as **Figure 1**, which depicts the standard predicted coverage contours. This map includes the location of Lafayette, KLFY-DT’s principal community. As demonstrated thereon,

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.

the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 43 dB μ contour.

The proposed KLFY-DT facility's predicted service population provides a 107.8 percent match of the Appendix B facility, as detailed in the table below.

Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	1,189,526	1,293,900
Not affected by terrain losses	1,189,311	1,293,738
Lost to all interference	22,373	35,320
Net DTV Service	1,166,938	1,258,418
Match of Appendix B	---	107.84%

A detailed interference study per OET Bulletin 69² 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. **Pursuant to §73.616(e)(1), FCC processing of this proposal is requested on the basis of a 1.0 km cell size.** The interference study output report is provided as **Table 1**. Protection requirements towards authorized Class A stations are also satisfied.

The nearest FCC monitoring station is 633 km distant at Kingsville, TX. 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 authorized AM stations within 3.2 kilometers of the site, based on information contained within the Commission's database. The site location is beyond the border zones that would require international coordination.

²FCC 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 cell size of 1 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.

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 proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. Based on OET-65 equation (10), and assuming the worst-case of 100% antenna relative field in downward elevations, the calculated power density attributable to the proposed KLFY-DT facility at locations near the transmitter site at a height of two meters above ground level is $2.4 \mu\text{W}/\text{cm}^2$, which is 1.2 percent of the "uncontrolled / general public" maximum permissible 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. When the antenna's elevation pattern is considered, the calculated RF exposure level will be even lower.

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.

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 8, 2008

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

List of Attachments

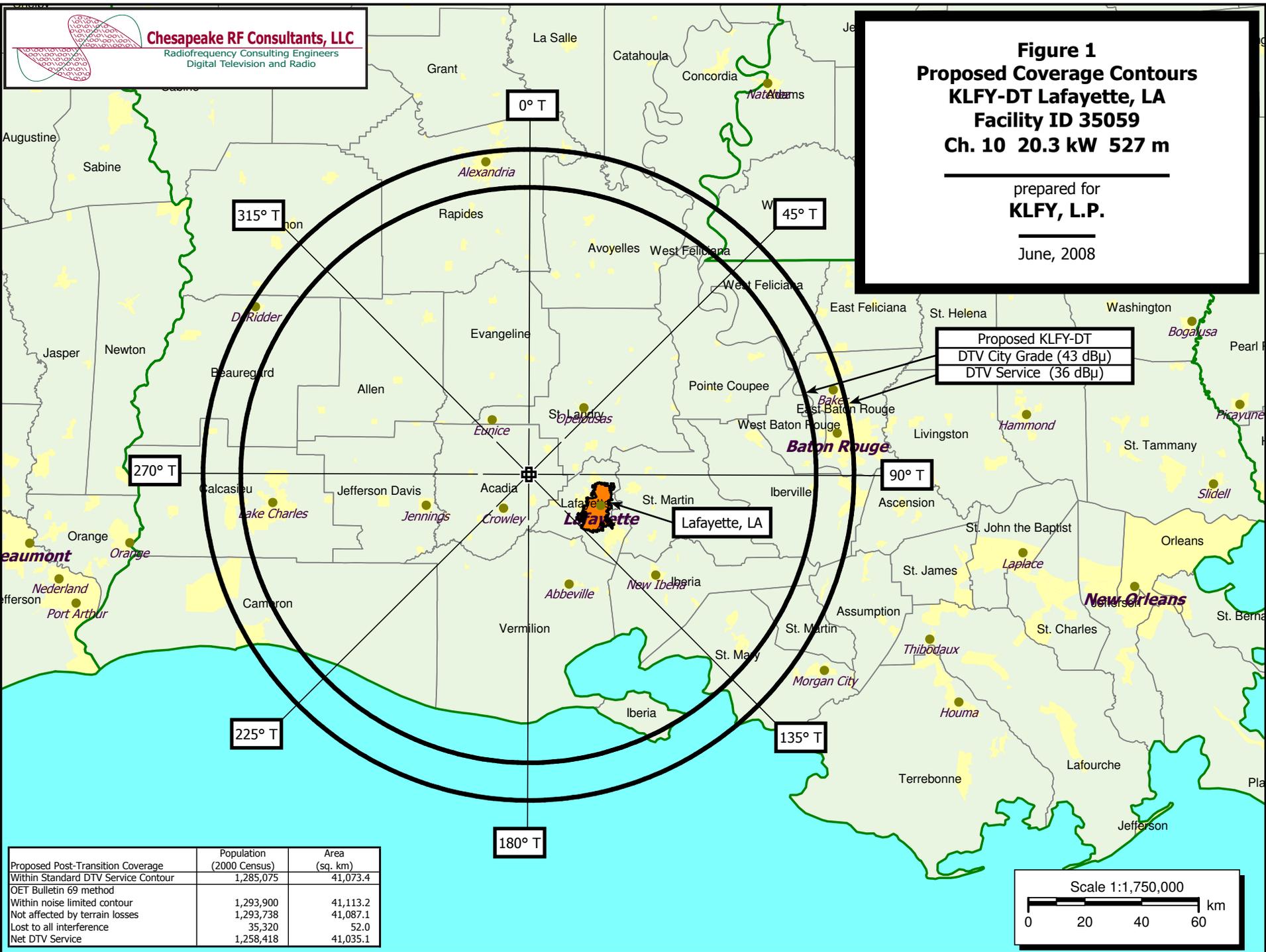
Figure 1	Proposed Coverage Contours
Table 1	OET Bulletin 69 Interference Study
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

This material was entered June 8, 2008 for filing electronically. Since the FCC's electronic filing system may be accessed by anyone with the applicant's name and password, and electronic data may otherwise be altered in an unauthorized fashion, we cannot be responsible for changes made subsequent to our entry of this data and related attachments.

Figure 1
Proposed Coverage Contours
KLFY-DT Lafayette, LA
Facility ID 35059
Ch. 10 20.3 kW 527 m

prepared for
KLFY, L.P.

June, 2008



Proposed KLFY-DT
 DTV City Grade (43 dBμ)
 DTV Service (36 dBμ)

Proposed Post-Transition Coverage	Population (2000 Census)	Area (sq. km)
Within Standard DTV Service Contour	1,285,075	41,073.4
OET Bulletin 69 method		
Within noise limited contour	1,293,900	41,113.2
Not affected by terrain losses	1,293,738	41,087.1
Lost to all interference	35,320	52.0
Net DTV Service	1,258,418	41,035.1

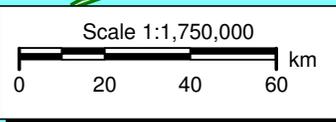


Table 1 KLFY-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 1 of 9)

Cell Size = 1 km

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

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-04-2008 Time: 13:47:17

Record Selected for Analysis

KLFY-DT USERRECORD-01 LAFAYETTE LA US
Channel 10 ERP 20.3 kW HAAT 527. m RCAMSL 00537 m
Latitude 030-19-19 Longitude 0092-16-59
Status APP Zone 3 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	20.300	523.7	114.2
45.0	20.300	524.0	114.2
90.0	20.300	526.3	114.3
135.0	20.300	527.5	114.4
180.0	20.300	529.4	114.5
225.0	20.300	529.9	114.5
270.0	20.300	528.6	114.5
315.0	20.300	526.4	114.4

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

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 beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Table 1 KLFY-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 2 of 9)

Cell Size = 1 km

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
10	KLFY-DT	LAFAYETTE LA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WAFB	BATON ROUGE LA	102.8	PLN	DTVPLN	-DTVP0199
09	WAFB	BATON ROUGE LA	102.8	CP	BPCDT	-20080507ACF
10	KETZ	EL DORADO AR	306.4	PLN	DTVPLN	-DTVP0239
10	KETZ	EL DORADO AR	306.4	CP	BPEDT	-20080318ACS
10	WBMS-CA	JACKSON MS	277.1	LIC	BLTVA	-20051130AWM
11	KAQY	COLUMBIA LA	197.3	CP	BPCDT	-20070822ACN
11	KAQY	COLUMBIA LA	192.9	PLN	DTVPLN	-DTVP0319
11	WYES-TV	NEW ORLEANS LA	228.0	LIC	BLEDT	-20040804AFR
11	WYES-TV	NEW ORLEANS LA	228.0	PLN	DTVPLN	-DTVP0320

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WAFB	BATON ROUGE LA	DTVPLN	-DTVP0199

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KNOE-TV	MONROE LA	219.2	PLN	DTVPLN	-DTVP0130
08	KNOE-TV	MONROE LA	219.2	CP	BPCDT	-20080214ABZ
08	WVUE	NEW ORLEANS LA	129.8	CP	BPCDT	-20080312ACS
08	WVUE	NEW ORLEANS LA	129.8	PLN	DTVPLN	-DTVP0131
09	WALA-TV	MOBILE AL	328.9	LIC	BLCDT	-20050316ADI
09	WALA-TV	MOBILE AL	328.9	PLN	DTVPLN	-DTVP0177
09	KTRE	LUFKIN TX	361.6	PLN	DTVPLN	-DTVP0225
09	KTRE	LUFKIN TX	361.6	CP	BPCDT	-20080516ABZ
10	KLFY-TV	LAFAYETTE LA	102.8	PLN	DTVPLN	-DTVP0260
10	KLFY-DT	LAFAYETTE LA	102.8	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for:	9A LA BATON ROUGE	DTVPLN	DTVP0199	PLN
HAAT	509.0 m, ATV ERP	0.4 kW		
	POPULATION	AREA (sq km)		
within Noise Limited Contour	856255	16173.5		
not affected by terrain losses	856255	16146.5		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	10473	148.9		
lost to ATV IX only	10473	148.9		
lost to all IX	10473	148.9		

Table 1 KLFY-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 9)

Cell Size = 1 km

Potential Interfering Stations Included in above Scenario 1

9A AL MOBILE	BLCDDT	20050316ADI	LIC
10A LA LAFAYETTE	DTVPLN	DTVP0260	PLN

After Analysis

Results for: 9A LA BATON ROUGE DTVPLN DTVP0199 PLN
HAAT 509.0 m, ATV ERP 0.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	856255	16173.5
not affected by terrain losses	856255	16146.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13414	208.9
lost to ATV IX only	13414	208.9
lost to all IX	13414	208.9

Potential Interfering Stations Included in above Scenario 1

9A AL MOBILE	BLCDDT	20050316ADI	LIC
10A LA LAFAYETTE	USERRECORD01		APP

Percent new IX = 0.3477%

Worst case new IX 0.3477% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WAFB	BATON ROUGE LA	BPCDDT	-20080507ACF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KNOE-TV	MONROE LA	219.2	PLN	DTVPLN	-DTVP0130
08	KNOE-TV	MONROE LA	219.2	CP	BPCDDT	-20080214ABZ
08	WVUE	NEW ORLEANS LA	129.8	CP	BPCDDT	-20080312ACS
08	WVUE	NEW ORLEANS LA	129.8	PLN	DTVPLN	-DTVP0131
09	WALA-TV	MOBILE AL	328.9	LIC	BLCDDT	-20050316ADI
09	WALA-TV	MOBILE AL	328.9	PLN	DTVPLN	-DTVP0177
09	KTRE	LUFKIN TX	361.6	PLN	DTVPLN	-DTVP0225
09	KTRE	LUFKIN TX	361.6	CP	BPCDDT	-20080516ABZ
10	KLFY-TV	LAFAYETTE LA	102.8	PLN	DTVPLN	-DTVP0260
10	KLFY-DT	LAFAYETTE LA	102.8	APP	USERRECORD-01	

Total scenarios = 2

Result key: 3
Scenario 1 Affected station 2
Before Analysis

Results for: 9A LA BATON ROUGE BPCDDT 20080507ACF CP
HAAT 511.0 m, ATV ERP 0.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	867899	15580.6
not affected by terrain losses	867899	15579.6

Table 1 KLFY-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 9)

Cell Size = 1 km

lost to NTSC IX 0 0.0
lost to additional IX by ATV 9535 205.0
lost to ATV IX only 9535 205.0
lost to all IX 9535 205.0

Potential Interfering Stations Included in above Scenario 1

9A AL MOBILE	BLCDDT	20050316ADI	LIC
10A LA LAFAYETTE	DTVPLN	DTVP0260	PLN

After Analysis

Results for: 9A LA BATON ROUGE BPCDDT 20080507ACF CP
HAAT 511.0 m, ATV ERP 0.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	867899	15580.6
not affected by terrain losses	867899	15579.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13440	277.0
lost to ATV IX only	13440	277.0
lost to all IX	13440	277.0

Potential Interfering Stations Included in above Scenario 1

9A AL MOBILE	BLCDDT	20050316ADI	LIC
10A LA LAFAYETTE	USERRECORD01		APP

Percent new IX = 0.4549%

Worst case new IX 0.4549% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	KETZ	EL DORADO AR	DTVPLN	-DTVP0239

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KLFY-TV	LAFAYETTE LA	306.4	PLN	DTVPLN	-DTVP0260
10	WMAB-TV	MISSISSIPPI STATE MS	287.9	LIC	BLEDT	-20030326ABX
10	WMAB-TV	MISSISSIPPI STATE MS	287.9	PLN	DTVPLN	-DTVP0273
10	NEW	MEMPHIS TN	319.8	PLN	DTVPLN	-DTVP0294
10	NEW	MEMPHIS TN	319.8	CP MOD	BMPEDT	-20080317ACF
11	KAQY	COLUMBIA LA	109.4	CP	BPCDDT	-20070822ACN
11	KAQY	COLUMBIA LA	113.7	PLN	DTVPLN	-DTVP0319
10	KLFY-DT	LAFAYETTE LA	306.4	APP	USERRECORD-01	

Total scenarios = 4

Result key: 5
Scenario 1 Affected station 3
Before Analysis

Results for: 10A AR EL DORADO DTVPLN DTVP0239 PLN
HAAT 541.0 m, ATV ERP 6.0 kW

Table 1 KLFY-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 9)

Cell Size = 1 km

	POPULATION	AREA (sq km)
within Noise Limited Contour	450525	27178.9
not affected by terrain losses	448093	27061.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6612	950.7
lost to ATV IX only	6612	950.7
lost to all IX	6612	950.7

Potential Interfering Stations Included in above Scenario 1

10A MS MISSISSIPPI STATE	BLEDT	20030326ABX	LIC
10A TN MEMPHIS	DTVPLN	DTVP0294	PLN
11A LA COLUMBIA	BPCDT	20070822ACN	CP
10A LA LAFAYETTE	DTVPLN	DTVP0260	PLN

After Analysis

Results for: 10A AR EL DORADO DTVPPLN DTVP0239 PLN
HAAT 541.0 m, ATV ERP 6.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	450525	27178.9
not affected by terrain losses	448093	27061.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6612	951.7
lost to ATV IX only	6612	951.7
lost to all IX	6612	951.7

Potential Interfering Stations Included in above Scenario 1

10A MS MISSISSIPPI STATE	BLEDT	20030326ABX	LIC
10A TN MEMPHIS	DTVPLN	DTVP0294	PLN
11A LA COLUMBIA	BPCDT	20070822ACN	CP
10A LA LAFAYETTE	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.
10	KETZ	EL DORADO AR	BPEDT -20080318ACS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	KLFY-TV	LAFAYETTE LA	306.4	PLN	DTVPLN -DTVP0260
10	WMAB-TV	MISSISSIPPI STATE MS	287.9	LIC	BLEDT -20030326ABX
10	WMAB-TV	MISSISSIPPI STATE MS	287.9	PLN	DTVPLN -DTVP0273
10	NEW	MEMPHIS TN	319.8	PLN	DTVPLN -DTVP0294
10	NEW	MEMPHIS TN	319.8	CP MOD	BMPEDT -20080317ACF
11	KAQY	COLUMBIA LA	109.4	CP	BPCDT -20070822ACN
11	KAQY	COLUMBIA LA	113.7	PLN	DTVPLN -DTVP0319
10	KLFY-DT	LAFAYETTE LA	306.4	APP	USERRECORD-01

Total scenarios = 8

Table 1 KLFY-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 9)

Cell Size = 1 km

Result key: 9
Scenario 1 Affected station 4
Before Analysis

Results for: 10A AR EL DORADO BPEDT 20080318ACS CP
HAAT 538.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	454320	28899.7
not affected by terrain losses	452721	28750.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7959	1095.2
lost to ATV IX only	7959	1095.2
lost to all IX	7959	1095.2

Potential Interfering Stations Included in above Scenario 1

10A MS MISSISSIPPI STATE	BLEDT	20030326ABX	LIC
10A TN MEMPHIS	DTVPLN	DTVP0294	PLN
11A LA COLUMBIA	BPCDT	20070822ACN	CP
10A LA LAFAYETTE	DTVPLN	DTVP0260	PLN

After Analysis

Results for: 10A AR EL DORADO BPEDT 20080318ACS CP
HAAT 538.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	454320	28899.7
not affected by terrain losses	452721	28750.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8202	1099.2
lost to ATV IX only	8202	1099.2
lost to all IX	8202	1099.2

Potential Interfering Stations Included in above Scenario 1

10A MS MISSISSIPPI STATE	BLEDT	20030326ABX	LIC
10A TN MEMPHIS	DTVPLN	DTVP0294	PLN
11A LA COLUMBIA	BPCDT	20070822ACN	CP
10A LA LAFAYETTE	USERRECORD01		APP

Percent new IX = 0.0546%

Worst case new IX 0.0546% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WBMS-CA	JACKSON MS	BLTVA -20051130AWM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WBIQ	BIRMINGHAM AL	362.5	CP	BPEDT -20080306ABA
10	WBIQ	BIRMINGHAM AL	362.5	PLN	DTVPLN -DTVP0237
10	WBIQ	BIRMINGHAM AL	362.5	LIC	BLET -20040412ACV
10	WDIQ	DOZIER AL	383.5	CP	BPEDT -20080310AEB

Table 1 KLFY-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 7 of 9)

Cell Size = 1 km

10	WDIQ	DOZIER AL	383.5	PLN	DTVPLN	-DTVP0238
10	WALA-TV	MOBILE AL	297.9	LIC	BLCT	-2347
10	KTVE	EL DORADO AR	197.7	APP	BSTA	-20061025ADB
10	KETZ	EL DORADO AR	197.7	PLN	DTVPLN	-DTVP0239
10	KTVE	EL DORADO AR	197.7	LIC	BLCT	-19870817KF
10	KETZ	EL DORADO AR	197.7	CP	BPEDT	-20080318ACS
10	KLFY-TV	LAFAYETTE LA	277.1	CP	BPCDT	-20080313AAQ
10	KLFY-TV	LAFAYETTE LA	277.1	PLN	DTVPLN	-DTVP0260
10	KLFY-TV	LAFAYETTE LA	277.1	LIC	BLCT	-20000731AET
10	WMAB-TV	MISSISSIPPI STATE MS	171.2	LIC	BLEDT	-20030326ABX
10	WMAB-TV	MISSISSIPPI STATE MS	171.2	PLN	DTVPLN	-DTVP0273
10	WKNO	MEMPHIS TN	331.0	LIC	BLET	-20031020ABF
10	NEW	MEMPHIS TN	331.0	PLN	DTVPLN	-DTVP0294
10	NEW	MEMPHIS TN	331.0	CP MOD	BMPEDT	-20080317ACF
10	KLFY-DT	LAFAYETTE LA	277.1	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.
11	KAQY	COLUMBIA LA	BPCDT	-20070822ACN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KETZ	EL DORADO AR	109.4	PLN	DTVPLN	-DTVP0239
10	KETZ	EL DORADO AR	109.4	CP	BPEDT	-20080318ACS
10	KLFY-TV	LAFAYETTE LA	197.3	PLN	DTVPLN	-DTVP0260
11	WYES-TV	NEW ORLEANS LA	318.8	LIC	BLEDT	-20040804AFR
11	WYES-TV	NEW ORLEANS LA	318.8	PLN	DTVPLN	-DTVP0320
11	WTOK-TV	MERIDIAN MS	328.7	PLN	DTVPLN	-DTVP0327
11	WTOK-TV	MERIDIAN MS	328.7	CP	BPCDT	-20080501AAQ
11	KHOU-TV	HOUSTON TX	424.3	PLN	DTVPLN	-DTVP0349
11	KHOU-TV	HOUSTON TX	424.3	CP	BPCDT	-20080303ALI
12	WJTV	JACKSON MS	167.5	PLN	DTVPLN	-DTVP0386
12	WJTV	JACKSON MS	167.5	CP	BPCDT	-20080410ABA
10	KLFY-DT	LAFAYETTE LA	197.3	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.
11	KAQY	COLUMBIA LA	DTVPLN	-DTVP0319

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KETZ	EL DORADO AR	113.7	PLN	DTVPLN	-DTVP0239
10	KETZ	EL DORADO AR	113.7	CP	BPEDT	-20080318ACS
10	KLFY-TV	LAFAYETTE LA	192.9	PLN	DTVPLN	-DTVP0260
11	WYES-TV	NEW ORLEANS LA	316.2	LIC	BLEDT	-20040804AFR
11	WYES-TV	NEW ORLEANS LA	316.2	PLN	DTVPLN	-DTVP0320

Table 1 KLFY-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 8 of 9)

Cell Size = 1 km

11	WTOK-TV	MERIDIAN MS	330.2	PLN	DTVPLN	-DTVP0327
11	WTOK-TV	MERIDIAN MS	330.2	CP	BPCDT	-20080501AAQ
11	KHOU-TV	HOUSTON TX	420.6	PLN	DTVPLN	-DTVP0349
11	KHOU-TV	HOUSTON TX	420.6	CP	BPCDT	-20080303ALI
12	WJTV	JACKSON MS	169.0	PLN	DTVPLN	-DTVP0386
12	WJTV	JACKSON MS	169.0	CP	BPCDT	-20080410ABA
10	KLFY-DT	LAFAYETTE LA	192.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WYES-TV	NEW ORLEANS LA	BLEDT	-20040804AFR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KLFY-TV	LAFAYETTE LA	228.0	PLN	DTVPLN	-DTVP0260
11	KAQY	COLUMBIA LA	318.8	CP	BPCDT	-20070822ACN
11	KAQY	COLUMBIA LA	316.2	PLN	DTVPLN	-DTVP0319
11	WTOK-TV	MERIDIAN MS	289.7	PLN	DTVPLN	-DTVP0327
11	WTOK-TV	MERIDIAN MS	289.7	CP	BPCDT	-20080501AAQ
10	KLFY-DT	LAFAYETTE LA	228.0	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WYES-TV	NEW ORLEANS LA	DTVPLN	-DTVP0320

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KLFY-TV	LAFAYETTE LA	228.0	PLN	DTVPLN	-DTVP0260
11	KAQY	COLUMBIA LA	318.8	CP	BPCDT	-20070822ACN
11	KAQY	COLUMBIA LA	316.2	PLN	DTVPLN	-DTVP0319
11	WTOK-TV	MERIDIAN MS	289.7	PLN	DTVPLN	-DTVP0327
11	WTOK-TV	MERIDIAN MS	289.7	CP	BPCDT	-20080501AAQ
10	KLFY-DT	LAFAYETTE LA	228.0	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 10

Analysis of current record

Table 1 KLFY-DT OET Bulletin 69 Interference Study
 (worst-case scenarios shown page 9 of 9)

Cell Size = 1 km

Channel	Call	City/State	Application Ref. No.
10	KLFY-DT	LAFAYETTE LA	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WAFB	BATON ROUGE LA	102.8	PLN	DTVPLN	-DTVP0199
09	WAFB	BATON ROUGE LA	102.8	CP	BPCDT	-20080507ACF
10	KETZ	EL DORADO AR	306.4	PLN	DTVPLN	-DTVP0239
10	KETZ	EL DORADO AR	306.4	CP	BPEDT	-20080318ACS
11	KAQY	COLUMBIA LA	197.3	CP	BPCDT	-20070822ACN
11	KAQY	COLUMBIA LA	192.9	PLN	DTVPLN	-DTVP0319
11	WYES-TV	NEW ORLEANS LA	228.0	LIC	BLEDT	-20040804AFR
11	WYES-TV	NEW ORLEANS LA	228.0	PLN	DTVPLN	-DTVP0320

Total scenarios = 4

Result key: 17
 Scenario 1 Affected station 10
 Before Analysis

Results for: 10A LA LAFAYETTE USERRECORD01 APP

HAAT 527.0 m, ATV ERP 20.3 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1293900	41113.2
not affected by terrain losses	1293738	41087.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	35320	52.0
lost to ATV IX only	35320	52.0
lost to all IX	35320	52.0

Potential Interfering Stations Included in above Scenario 1

9A LA BATON ROUGE	DTVPLN	DTVP0199	PLN
10A AR EL DORADO	DTVPLN	DTVP0239	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.	
<p>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.</p> <p>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.</p>	
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 10 Analog TV, if any 10
2. Zone:	<input type="radio"/> I <input type="radio"/> II <input checked="" type="radio"/> III
3. Antenna Location Coordinates: (NAD 27)	Latitude: Degrees 30 Minutes 19 Seconds 19 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 92 Minutes 16 Seconds 59 <input checked="" type="radio"/> West <input type="radio"/> East
4. Antenna Structure Registration Number: 1060744	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5. Antenna Location Site Elevation Above Mean Sea Level:	8 meters
6. Overall Tower Height Above Ground Level:	541 meters
7. Height of Radiation Center Above Ground Level:	529 meters
8. Height of Radiation Center Above Average Terrain :	527 meters
9. Maximum Effective Radiated Power (average power):	20.3 kW
10. Antenna Specifications:	

a. Manufacturer RCA Model TW-12A10

b. Electrical Beam Tilt:
1 degrees Not Applicable

c. Mechanical Beam Tilt:
degrees toward azimuth
degrees True Not Applicable
Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 42]

d. Polarization:
 Horizontal Circular Elliptical

e. Directional Antenna Relative Field Values: Not applicable (Nondirectional)

[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.]
[Relative Field Values]

If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. **Exhibit required.** [Exhibit 43]

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? Yes No [Exhibit 44]
If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.

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: [Exhibit 46]
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.

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 6/8/2008	
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).