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

Special Displacement Window Application

LPTV or Translator Facility:	K49LC-D Facility ID 182059 College Station, TX Licensed Ch. 49 File# 0000022100
Nature of Displacement:	Within 600 MHz wireless spectrum
Proposed Facility:	Ch. 27 15 kW ERP directional (azimuth pattern in Figure 1)
Modification Compliance:	30.4 km from licensed site Contour comparison in Figure 2 TVStudy Analysis report in Table 1 (Study cell size: 1.00 km Profile point spacing: 0.20 km)
Contingent Application Rule:	Waiver of §73.3700(g)(2(i) requested Operation on proposed channel will not commence until the following station discontinues operation on its current channel: KYLE Ch. 28 Bryan TX (repacked to Ch. 29, phase 9) The applicant will accept a corresponding special operating condition on the CP authorization.
RF Exposure:	The calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 0.8 percent of the general population/uncontrolled maximum permitted exposure limit. Calculations conducted pursuant to FCC OET Bulletin Number 65 and incorporate the worst-case 100 percent relative field at downward angles. 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.

Chesapeake RF Consultants, LLC
Joseph M. Davis, P.E. May 12, 2018
207 Old Dominion Road Yorktown, VA 23692 703-650-9600

Dielectric

Date	**12 May 2018**		
Call Letters		Channel	**27**
Location			
Customer			
Antenna Type			

AZIMUTH PATTERN

Gain	**1.70 (2.30 dB)**	Frequency	**551 MHz**
Calculated / Measured	**Calculated**	Drawing #	**TLP-B**

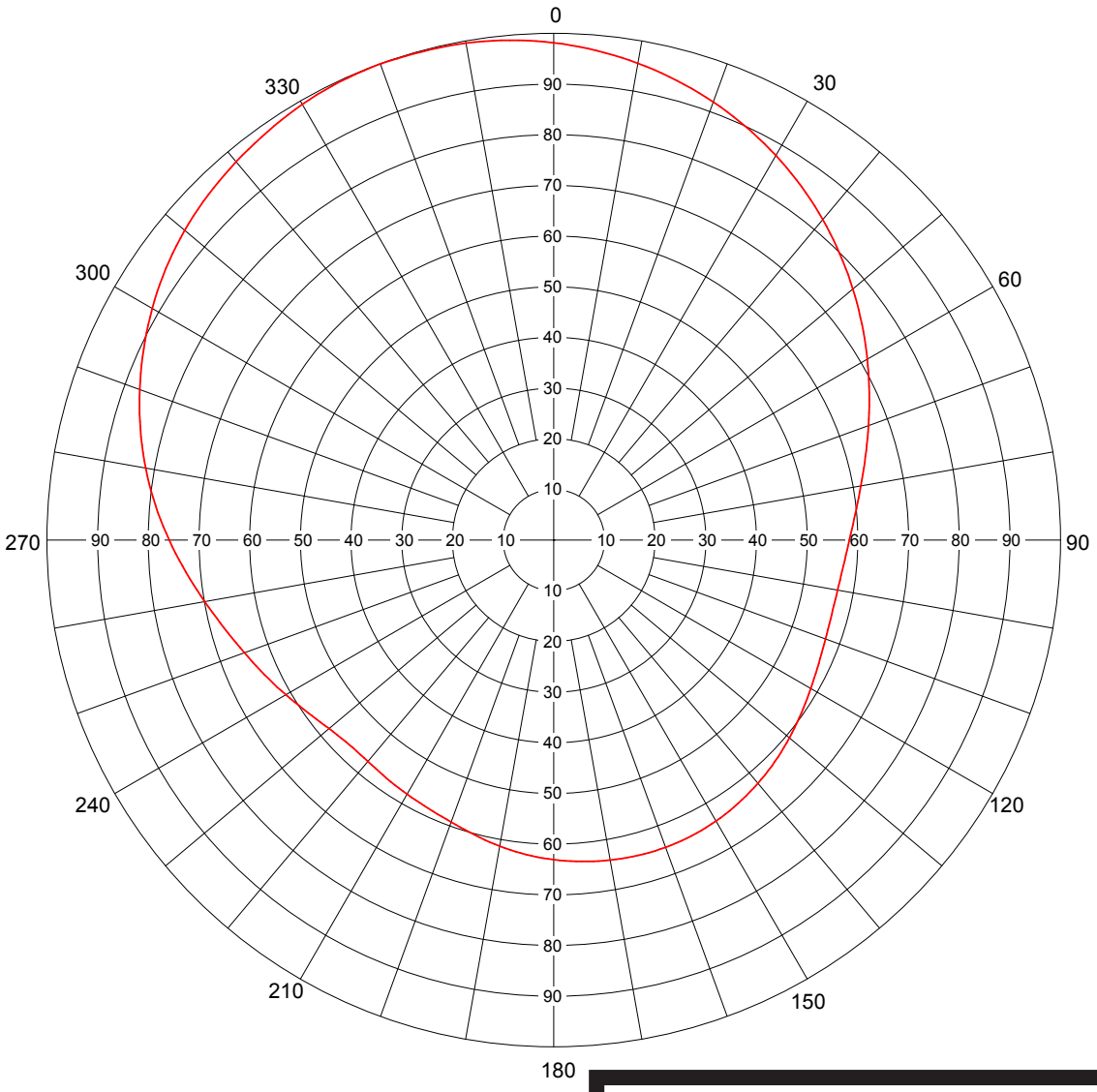


Figure 1
Antenna Azimuthal Pattern
K49LC-D College Station, TX
Facility ID 182059
Ch. 27 (digital) 15 kW

prepared for
Gray Television Licensee, LLC

May, 2018

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

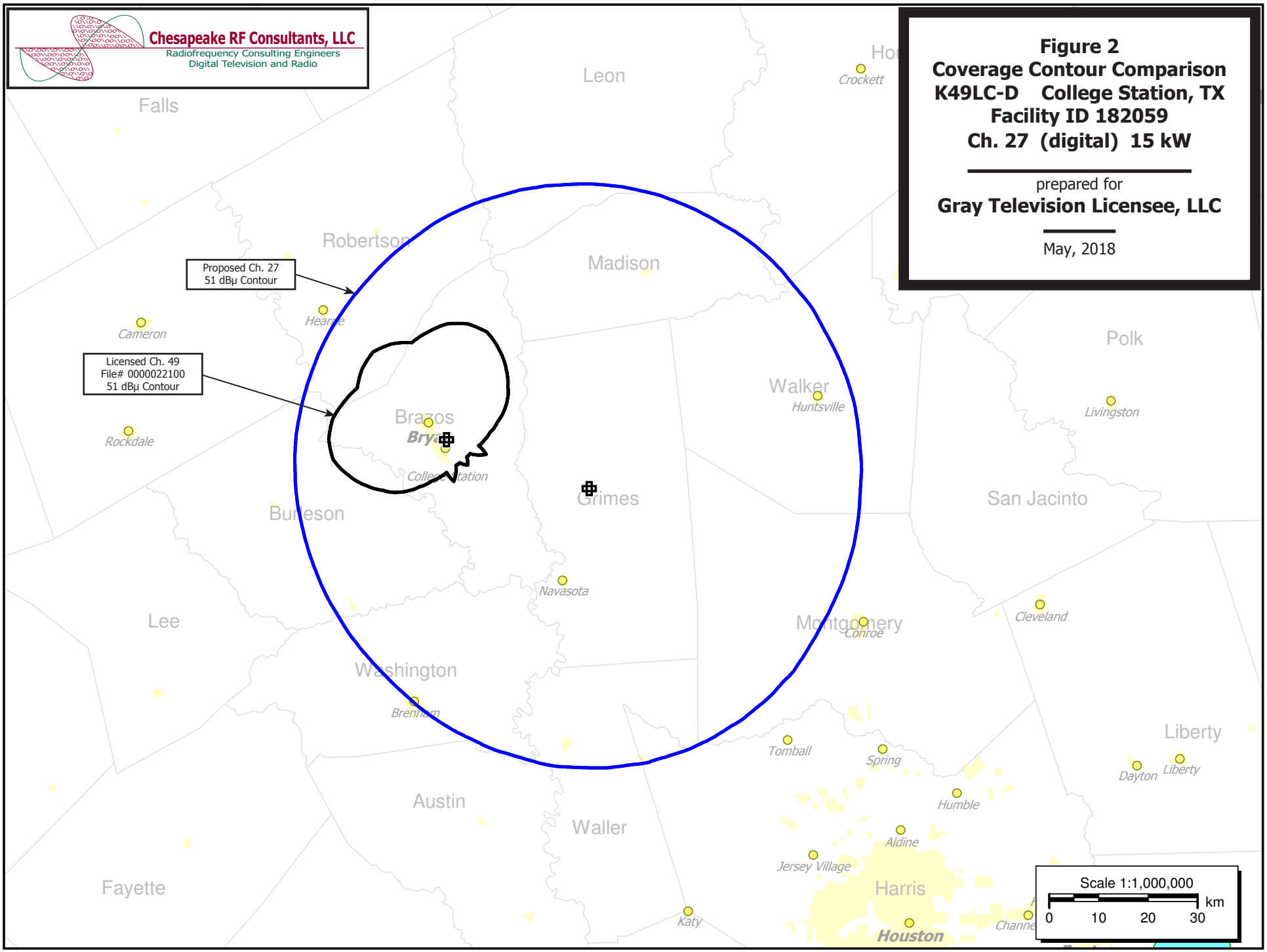

Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio
Figure 2
Coverage Contour Comparison
K49LC-D College Station, TX
Facility ID 182059
Ch. 27 (digital) 15 kW
prepared for
Gray Television Licensee, LLC
May, 2018
Proposed Ch. 27
51 dBµ Contour
Licensed Ch. 49
File# 0000022100
51 dBµ Contour
Leon
Falls
Robertson
Madison
Cameron
Hearne
Polk
Walker
Huntsville
Livingston
Brazos
Rockdale
Grimes
San Jacinto
Burleson
Navasota
Lee
Cleveland
Montgomery
Conroe
Washington
Liberty
Tomball
Spring
Dayton
Humble
Austin
Waller
Aldine
Jersey Village
Harris
Fayette
Katy
Houston
Scale 1:1,000,000
km
0
10
20
30

Table 1 K49LC-D TVStudy Analysis of Proposal

Chesapeake RF Consultants, LLC
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Digital Television and Radio

```
tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: K49LC-D Ch-27 repack 1.0-0.2,  Model: Longley-Rice
Start: 2018.05.12 12:06:56

Study created: 2018.05.12 12:04:58

Study build station data: LMS TV 2018-05-11 #190

    Proposal: K49LC-D D27 LD APP COLLEGE STATION, TX
 File number: K49LC-D Ch-27
 Facility ID: 182059
Station data: User record
   Record ID: 2071
     Country: U.S.

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	KADF-LD	N20+	TX	LIC	AUSTIN, TX	BLTTL20071029AAN	171.6 km
Yes	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	120.6
Yes	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	120.6
No	KAKH-LD	D26	LD	APP	LUFKIN, TX	BLANK0000051617	160.1
No	KXTS-LD	D26	LD	APP	VICTORIA, TX	BLANK0000052678	217.4
Yes	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	149.8
No	KTVE	D27	DT	LIC	EL DORADO, AR	BLCDT20070105ABH	455.9
No	KWCE-LP	N27-	TX	LIC	ALEXANDRIA, LA	BLTTL20060714ACI	355.8
No	KNYS-LD	D27	LD	LIC	NATCHITOCHES, LA	BLDTL20120203AAD	305.5
No	K42FE-D	D27	LD	APP	SHREVEPORT, LA	BLANK0000049061	302.3
No	W27DJ-D	D27	LD	CP	SULPHUR, LA	BNPDTL20100407ABL	249.2
No	K46AI-D	D27	LD	APP	DURANT, OK	BLANK0000029428	383.4
No	KAOB-LD	D27	LD	LIC	BEAUMONT, TX	BLDTL20090910AAA	198.4
No	KODF-LD	D27	LD	LIC	BRITTON, TX	BLDTL20100324ACQ	243.0
No	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	352.5
No	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	242.8
No	KDFI	D27	DT	CP	DALLAS, TX	BLANK0000027211	237.9
No	K27JJ-D	D27	LD	LIC	FORBES/JASPER CTY, TX	BLDTL20110610AAD	155.3
No	KDJB-LD	D27	LD	LIC	HONDO, TX	BLDTL20110706ABA	370.2
Yes	KQHO-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053158	109.1
No	KBPX-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053878	120.2
Yes	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	242.9
No	KLUF-LP	D27-	LD	CP	LUFKIN, TX	BLANK0000010680	155.0
No	KBTV-TV	D27	DT	CP	PORT ARTHUR, TX	BLANK0000034248	201.1
No	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	268.5
No	K27LU-D	D27	LD	LIC	STEPHENVILLE, TX	BLDTL20140610AAO	288.5
No	KDKJ-LD	D27	LD	LIC	TYLER, TX	BLANK0000001765	199.7
No	KUNU-LD	D27	LD	APP	VICTORIA, TX	BLANK0000052679	217.4
No	KUGB-CD	D28	DC	LIC	HOUSTON, TX	BLDTA20120801ALF	120.2
No	KETX-LP	D28	LD	CP	LIVINGSTON, TX	BDISDTL20090814AAJ	107.8
No	WOAI-TV	D28	DT	CP	SAN ANTONIO, TX	BLANK0000025130	258.3
No	WOAI-TV	D28	DT	APP	SAN ANTONIO, TX	BLANK0000033833	258.3
No	KUNU-LD	D28	LD	LIC	VICTORIA, TX	BLDTL20131112BSU	217.4
No	KWKT-TV	D28	DT	CP	WACO, TX	BLANK0000028462	149.7
No	KWKT-TV	D28	DT	APP	WACO, TX	BLANK0000034740	149.7
No	KHTX-LP	N30-	TX	LIC	HUNTSVILLE, TX	BLTTL19980813JD	55.7
No	K34FM-D	N34-	TX	LIC	AUSTIN, TX	BLTT20061002BGB	171.6

```
No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D27
       Mask: Full Service
   Latitude:  30 33 16.50 N (NAD83)
  Longitude:  96  1 52.30 W
Height AMSL: 512.6 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: DIE TLP-B 340.0 deg
```

Elev Pattrn: Generic
Elec Tilt: 1.50

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.4 kW	425.5 m	62.8 km
45.0	9.56	403.7	59.3
90.0	5.10	406.1	55.8
135.0	5.71	402.2	56.3
180.0	5.97	425.5	57.5
225.0	4.95	445.6	57.2
270.0	8.64	445.0	60.5
315.0	13.9	430.5	62.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 423 m

Distance to Canadian border: 1708.2 km

Distance to Mexican border: 472.9 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 208.0 degrees Distance: 390.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 324.5 degrees Distance: 1349.2 km

Study cell size: 1.00 km
Profile point spacing: 0.20 km

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

Interference to BLANK0000035805 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	120.6 km
	KYAZ	D25	DT	CP	KATY, TX	BLANK0000034934	2.1
	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	312.7
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000028380	396.0
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	343.6
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	262.1
	KBTV-TV	D27	DT	CP	PORT ARTHUR, TX	BLANK0000034248	159.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
41644.7	6,091,985	41536.8	6,091,474	40841.3	6,082,788	40793.4	6,082,395	0.12	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	186.8	1,013			47.9	393
KYAZ D25 DT CP	12.0	1,045	12.0	1,045	12.0	1,045
KBCA D26 DT CP	6.0	102	0.0	0	0.0	0
KTAL-TV D26 DT CP	16.0	468	4.0	111	4.0	111
KPXL-TV D26 DT LIC	9.0	3	1.0	3	1.0	3
KXXV D26 DT LIC	263.9	2,329	243.9	1,972	110.0	1,352
KBTV-TV D27 DT CP	414.5	5,198	414.5	5,198	414.5	5,198

Interference to BLCDT20111212AHM LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	120.6 km
	KYAZ	D25	DT	CP	KATY, TX	BLANK0000034934	2.1
	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	312.7
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000028380	396.0

	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	343.6
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	262.1
	KBTV-TV	D27	DT	CP	PORT ARTHUR, TX	BLANK0000034248	159.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40166.1	6,079,002	40085.2	6,078,684	39532.0	6,070,978	39494.0	6,070,707	0.10	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	154.9	1,125				38.0	271
KYAZ D25 DT CP	14.1	1,314	14.1	1,314		14.1	1,314
KBCA D26 DT CP	5.0	242	0.0	0		0.0	0
KTAL-TV D26 DT CP	10.0	365	1.0	110		1.0	110
KPXL-TV D26 DT LIC	13.0	55	2.0	0		0.0	0
KXXV D26 DT LIC	226.0	3,183	208.0	2,873		97.1	2,019
KBTV-TV D27 DT CP	308.2	3,099	308.2	3,099		308.2	3,099

Interference to BLCDT20050630AFE LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	149.8 km
	KPXD-TV	D25	DT	CP	ARLINGTON, TX	BLANK0000034349	138.0
	KHPZ-CD	D25	DC	CP	ROUND ROCK, TX	BLANK0000027658	88.4
	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	262.1
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000028380	356.4
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	253.4
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	142.1
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	140.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39012.0	1,772,998	38710.6	1,757,744	37455.1	1,696,002	37454.0	1,695,984	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	18.4	170				1.0	18
KPXD-TV D25 DT CP	319.8	7,122	8.0	84		8.0	84
KHPZ-CD D25 DC CP	4.0	1,910	4.0	1,910		4.0	1,910
KRIV D26 DT APP	483.1	24,909	432.9	13,627		418.6	13,475
KTAL-TV D26 DT CP	73.7	221	23.2	26		23.2	26
KPXL-TV D26 DT LIC	171.3	25,984	101.9	13,443		101.9	13,443
KDFI D27 DT APP	575.4	20,063	258.6	13,017		258.6	13,017
KBVO D27 DT LIC	67.9	1,307	26.4	5		26.4	5

Interference to BLCDT20050630AFE LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	149.8 km
	KPXD-TV	D25	DT	CP	ARLINGTON, TX	BLANK0000034349	138.0
	KHPZ-CD	D25	DC	CP	ROUND ROCK, TX	BLANK0000027658	88.4
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	262.1
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000028380	356.4
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	253.4
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	142.1
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	140.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39012.0	1,772,998	38710.6	1,757,744	37533.9	1,698,169	37532.8	1,698,151	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	18.4	170				1.0	18
KPXD-TV D25 DT CP	319.8	7,122	8.0	84		8.0	84
KHPZ-CD D25 DC CP	4.0	1,910	4.0	1,910		4.0	1,910
KRIV D26 DT LIC	402.3	22,742	354.1	11,460		339.8	11,308
KTAL-TV D26 DT CP	73.7	221	24.2	26		24.2	26
KPXL-TV D26 DT LIC	171.3	25,984	102.9	13,443		102.9	13,443
KDFI D27 DT APP	575.4	20,063	258.6	13,017		258.6	13,017
KBVO D27 DT LIC	67.9	1,307	26.4	5		26.4	5

Interference to BLCDT20050630AFE LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	149.8 km
	KPXD-TV	D25	DT	CP	ARLINGTON, TX	BLANK0000034349	138.0
	KHPZ-CD	D25	DC	CP	ROUND ROCK, TX	BLANK0000027658	88.4
	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	262.1
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000028380	356.4
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	253.4
	KDFI	D27	DT	CP	DALLAS, TX	BLANK0000027211	138.0
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	140.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39012.0	1,772,998	38710.6	1,757,744	37674.4	1,706,477	37673.4	1,706,459	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	18.4	170			1.0	18
KPXD-TV D25 DT CP	319.8	7,122	45.2	825	45.2	825
KHPZ-CD D25 DC CP	4.0	1,910	4.0	1,910	4.0	1,910
KRIV D26 DT APP	483.1	24,909	432.9	13,627	418.6	13,475
KTAL-TV D26 DT CP	73.7	221	26.3	34	26.3	34
KPXL-TV D26 DT LIC	171.3	25,984	101.9	13,443	101.9	13,443
KDFI D27 DT CP	313.8	8,839	39.2	2,542	39.2	2,542
KBVO D27 DT LIC	67.9	1,307	26.4	5	26.4	5

Interference to BLCDT20050630AFE LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	149.8 km
	KPXD-TV	D25	DT	CP	ARLINGTON, TX	BLANK0000034349	138.0
	KHPZ-CD	D25	DC	CP	ROUND ROCK, TX	BLANK0000027658	88.4
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	262.1
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000028380	356.4
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	253.4
	KDFI	D27	DT	CP	DALLAS, TX	BLANK0000027211	138.0
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	140.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39012.0	1,772,998	38710.6	1,757,744	37753.2	1,708,644	37752.2	1,708,626	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	18.4	170			1.0	18
KPXD-TV D25 DT CP	319.8	7,122	45.2	825	45.2	825
KHPZ-CD D25 DC CP	4.0	1,910	4.0	1,910	4.0	1,910
KRIV D26 DT LIC	402.3	22,742	354.1	11,460	339.8	11,308
KTAL-TV D26 DT CP	73.7	221	27.3	34	27.3	34
KPXL-TV D26 DT LIC	171.3	25,984	102.9	13,443	102.9	13,443
KDFI D27 DT CP	313.8	8,839	39.2	2,542	39.2	2,542
KBVO D27 DT LIC	67.9	1,307	26.4	5	26.4	5

Interference to BLANK0000053158 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQHO-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053158	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	109.1 km
	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	24.1
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	349.5
	KBPX-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053878	25.4
	KBTV-TV	D27	DT	CP	PORT ARTHUR, TX	BLANK0000034248	139.7
	KUGB-CD	D28	DC	LIC	HOUSTON, TX	BLDTA20120801ALF	25.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8738.4	5,082,150	8738.4	5,082,150	3120.1	2,611,670	3110.0	2,611,264	0.32	0.02

Undesired	Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	82.2	16,790			10.0	406

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KRIV D26 DT APP	168.9	98,842	22.1	6,698	21.1	6,658
KBPX-LD D27 LD APP	5584.1	2,463,029	5448.4	2,370,466	5385.3	2,357,119
KBTV-TV D27 DT CP	15.1	12,269	0.0	0	0.0	0
KUGB-CD D28 DC LIC	89.5	58,020	0.0	0	0.0	0

Interference to BLANK0000053158 APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQHO-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053158	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	109.1 km
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	24.1
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	349.5
	KBPX-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053878	25.4
	KBTV-TV	D27	DT	CP	PORT ARTHUR, TX	BLANK0000034248	139.7
	KUGB-CD	D28	DC	LIC	HOUSTON, TX	BLDTA20120801ALF	25.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8738.4	5,082,150	8738.4	5,082,150	3129.1	2,615,430	3119.1	2,615,024	0.32	0.02

Undesired	Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	82.2	16,790			10.0	406
KRIV D26 DT LIC	148.8	90,291	13.1	2,938	12.1	2,898
KBPX-LD D27 LD APP	5584.1	2,463,029	5459.5	2,375,257	5396.3	2,361,910
KBTV-TV D27 DT CP	15.1	12,269	0.0	0	0.0	0
KUGB-CD D28 DC LIC	89.5	58,020	0.0	0	0.0	0

Interference to BLCDT20090622ABA LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	242.9 km
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	126.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	140.4
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	342.2
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	259.9
	KXOF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	362.9
	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	140.1
	WOAI-TV	D28	DT	CP	SAN ANTONIO, TX	BLANK0000025130	159.1
	KWKT-TV	D28	DT	CP	WACO, TX	BLANK0000028462	137.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
24658.1	1,491,118	23131.9	1,251,949	22179.2	1,144,982	22164.1	1,140,875	0.07	0.36

Undesired	Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	103.8	24,349			15.0	4,107
KPXL-TV D26 DT LIC	32.1	291	10.0	0	10.0	0
KXXV D26 DT LIC	514.8	54,499	220.5	12,936	206.4	12,406
KORO D27 DT LIC	137.4	46,127	59.1	28,049	57.1	26,216
KDFI D27 DT APP	328.1	28,379	180.6	1,140	170.7	261
KNIC-CD D27 DC CP	191.2	22,670	62.4	2,934	61.4	2,934
WOAI-TV D28 DT CP	12.0	21	0.0	0	0.0	0
KWKT-TV D28 DT CP	277.1	42,454	8.2	1,063	8.2	1,063

Interference to BLCDT20090622ABA LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	242.9 km
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	126.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	140.4
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	342.2
	KDFI	D27	DT	CP	DALLAS, TX	BLANK0000027211	257.3
	KXOF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	362.9
	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	140.1
	WOAI-TV	D28	DT	CP	SAN ANTONIO, TX	BLANK0000025130	159.1
	KWKT-TV	D28	DT	CP	WACO, TX	BLANK0000028462	137.8

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

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24658.1	1,491,118	23131.9	1,251,949	22286.7	1,146,033	22262.6	1,141,047	0.11	0.44

Undesired		Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	103.8	24,349				24.0	4,986
KPXL-TV D26 DT LIC	32.1	291		10.0	0	10.0	0
KXXV D26 DT LIC	514.8	54,499		239.8	13,133	225.7	12,603
KORO D27 DT LIC	137.4	46,127		59.1	28,049	57.1	26,216
KDFI D27 DT CP	142.3	7,140		73.1	89	72.1	89
KNIC-CD D27 DC CP	191.2	22,670		68.4	3,939	65.4	2,995
WOAI-TV D28 DT CP	12.0	21		0.0	0	0.0	0
KWKT-TV D28 DT CP	277.1	42,454		9.2	1,133	9.2	1,133

Interference to BLCDT20090622ABA LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	242.9 km
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	126.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	140.4
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	342.2
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	259.9
	KXOF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	362.9
	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	140.1
	WOAI-TV	D28	DT	CP	SAN ANTONIO, TX	BLANK0000025130	159.1
	KWKT-TV	D28	DT	APP	WACO, TX	BLANK0000034740	137.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24658.1	1,491,118	23131.9	1,251,949	22174.1	1,144,333	22159.0	1,140,226	0.07	0.36

Undesired		Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	103.8	24,349				15.0	4,107
KPXL-TV D26 DT LIC	32.1	291		10.0	0	10.0	0
KXXV D26 DT LIC	514.8	54,499		113.1	7,539	110.1	7,122
KORO D27 DT LIC	137.4	46,127		59.1	28,049	57.1	26,216
KDFI D27 DT APP	328.1	28,379		178.6	1,062	168.6	183
KNIC-CD D27 DC CP	191.2	22,670		62.4	2,934	61.4	2,934
WOAI-TV D28 DT CP	12.0	21		0.0	0	0.0	0
KWKT-TV D28 DT APP	417.9	48,829		13.2	1,712	13.2	1,712

Interference to BLCDT20090622ABA LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	242.9 km
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	126.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	140.4
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	342.2
	KDFI	D27	DT	CP	DALLAS, TX	BLANK0000027211	257.3
	KXOF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	362.9
	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	140.1
	WOAI-TV	D28	DT	CP	SAN ANTONIO, TX	BLANK0000025130	159.1
	KWKT-TV	D28	DT	APP	WACO, TX	BLANK0000034740	137.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24658.1	1,491,118	23131.9	1,251,949	22279.6	1,145,306	22255.6	1,140,320	0.11	0.44

Undesired		Total IX		Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	103.8	24,349				24.0	4,986
KPXL-TV D26 DT LIC	32.1	291		10.0	0	10.0	0
KXXV D26 DT LIC	514.8	54,499		117.2	7,539	114.2	7,122
KORO D27 DT LIC	137.4	46,127		59.1	28,049	57.1	26,216
KDFI D27 DT CP	142.3	7,140		73.1	89	72.1	89
KNIC-CD D27 DC CP	191.2	22,670		67.4	3,933	64.4	2,989
WOAI-TV D28 DT CP	12.0	21		0.0	0	0.0	0
KWKT-TV D28 DT APP	417.9	48,829		16.3	1,860	16.3	1,860

Interference to BLCDT20090622ABA LIC scenario 5

Table 1 K49LC-D TVStudy Analysis of Proposal

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

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	242.9 km
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	126.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	140.4
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	342.2
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	259.9
	KXOF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	362.9
	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	140.1
	WOAI-TV	D28	DT	APP	SAN ANTONIO, TX	BLANK0000033833	159.1
	KWKT-TV	D28	DT	CP	WACO, TX	BLANK0000028462	137.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
24658.1	1,491,118	23131.9	1,251,949	22177.1	1,144,982	22162.1	1,140,875	0.07	0.36

Undesired		Total IX	Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	103.8	24,349			15.0	4,107
KPXL-TV D26 DT LIC	32.1	291	10.0	0	10.0	0
KXXV D26 DT LIC	514.8	54,499	220.5	12,936	206.4	12,406
KORO D27 DT LIC	137.4	46,127	59.1	28,049	57.1	26,216
KDFI D27 DT APP	328.1	28,379	180.6	1,140	170.7	261
KNIC-CD D27 DC CP	191.2	22,670	62.4	2,934	61.4	2,934
WOAI-TV D28 DT APP	14.1	21	2.0	0	2.0	0
KWKT-TV D28 DT CP	277.1	42,454	8.2	1,063	8.2	1,063

Interference to BLCDT20090622ABA LIC scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	242.9 km
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	126.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	140.4
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	342.2
	KDFI	D27	DT	CP	DALLAS, TX	BLANK0000027211	257.3
	KXOF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	362.9
	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	140.1
	WOAI-TV	D28	DT	APP	SAN ANTONIO, TX	BLANK0000033833	159.1
	KWKT-TV	D28	DT	CP	WACO, TX	BLANK0000028462	137.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
24658.1	1,491,118	23131.9	1,251,949	22284.6	1,146,033	22260.6	1,141,047	0.11	0.44

Undesired		Total IX	Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	103.8	24,349			24.0	4,986
KPXL-TV D26 DT LIC	32.1	291	10.0	0	10.0	0
KXXV D26 DT LIC	514.8	54,499	239.8	13,133	225.7	12,603
KORO D27 DT LIC	137.4	46,127	59.1	28,049	57.1	26,216
KDFI D27 DT CP	142.3	7,140	73.1	89	72.1	89
KNIC-CD D27 DC CP	191.2	22,670	68.4	3,939	65.4	2,995
WOAI-TV D28 DT APP	14.1	21	2.0	0	2.0	0
KWKT-TV D28 DT CP	277.1	42,454	9.2	1,133	9.2	1,133

Interference to BLCDT20090622ABA LIC scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	242.9 km
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	126.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	140.4
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	342.2
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	259.9
	KXOF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	362.9
	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	140.1
	WOAI-TV	D28	DT	APP	SAN ANTONIO, TX	BLANK0000033833	159.1
	KWKT-TV	D28	DT	APP	WACO, TX	BLANK0000034740	137.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX

24658.1	1,491,118	23131.9	1,251,949	22172.1	1,144,333	22157.0	1,140,226	0.07	0.36

Undesired		Total IX	Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	103.8	24,349			15.0	4,107
KPXL-TV D26 DT LIC	32.1	291	10.0	0	10.0	0
KXXV D26 DT LIC	514.8	54,499	113.1	7,539	110.1	7,122
KORO D27 DT LIC	137.4	46,127	59.1	28,049	57.1	26,216
KDFI D27 DT APP	328.1	28,379	178.6	1,062	168.6	183
KNIC-CD D27 DC CP	191.2	22,670	62.4	2,934	61.4	2,934
WOAI-TV D28 DT APP	14.1	21	2.0	0	2.0	0
KWKT-TV D28 DT APP	417.9	48,829	13.2	1,712	13.2	1,712

Interference to BLCDT20090622ABA LIC scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	
Undesireds:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	242.9 km
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	126.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	140.4
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	342.2
	KDFI	D27	DT	CP	DALLAS, TX	BLANK0000027211	257.3
	KXOF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	362.9
	KNIC-CD	D27	DC	CP	SAN ANTONIO, TX	BLANK0000030591	140.1
	WOAI-TV	D28	DT	APP	SAN ANTONIO, TX	BLANK0000033833	159.1
	KWKT-TV	D28	DT	APP	WACO, TX	BLANK0000034740	137.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
24658.1	1,491,118	23131.9	1,251,949	22277.6	1,145,306	22253.5	1,140,320	0.11	0.44

Undesired		Total IX	Unique IX, before		Unique IX, after	
K49LC-D D27 LD APP	103.8	24,349			24.0	4,986
KPXL-TV D26 DT LIC	32.1	291	10.0	0	10.0	0
KXXV D26 DT LIC	514.8	54,499	117.2	7,539	114.2	7,122
KORO D27 DT LIC	137.4	46,127	59.1	28,049	57.1	26,216
KDFI D27 DT CP	142.3	7,140	73.1	89	72.1	89
KNIC-CD D27 DC CP	191.2	22,670	67.4	3,933	64.4	2,989
WOAI-TV D28 DT APP	14.1	21	2.0	0	2.0	0
KWKT-TV D28 DT APP	417.9	48,829	16.3	1,860	16.3	1,860

Interference to proposal scenario 1
**MX: 13.61% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	
Undesireds:	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	120.6 km
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	242.8
	KQHO-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053158	109.1
	KBPX-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053878	120.2
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	242.9
	KBTV-TV	D27	DT	CP	PORT ARTHUR, TX	BLANK0000034248	201.1
	KWKT-TV	D28	DT	CP	WACO, TX	BLANK0000028462	149.7

Service area		Terrain-limited		IX-free		Percent IX	
11001.0	459,046	10995.9	459,046	10356.5	396,572	5.82	13.61

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KRIV D26 DT APP	6.0	272	0.0	0	0.00	0.00
KQHO-LD D27 LD APP	590.2	59,831	228.3	24,185	2.08	5.27
KBPX-LD D27 LD APP	393.0	38,172	30.1	2,084	0.27	0.45
KBVO D27 DT LIC	6.1	8	1.0	8	0.01	0.00
KBTV-TV D27 DT CP	23.2	734	13.1	109	0.12	0.02

Interference to proposal scenario 2
**MX: 13.61% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K49LC-D	D27	LD	APP	COLLEGE STATION, TX	K49LC-D Ch-27	

Table 1 K49LC-D TVStudy Analysis of Proposal

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

Undesireds:	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	120.6 km
	KDFI	D27	DT	APP	DALLAS, TX	BLANK0000034507	242.8
	KQHO-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053158	109.1
	KBPX-LD	D27	LD	APP	HOUSTON, TX	BLANK0000053878	120.2
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	242.9
	KBTV-TV	D27	DT	CP	PORT ARTHUR, TX	BLANK0000034248	201.1
	KWKT-TV	D28	DT	CP	WACO, TX	BLANK0000028462	149.7

Service area		Terrain-limited		IX-free		Percent IX	
11001.0	459,046	10995.9	459,046	10356.5	396,572	5.82	13.61

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KRIV D26 DT LIC	3.0	157	0.0	0	0.00	0.00
KQHO-LD D27 LD APP	590.2	59,831	228.3	24,185	2.08	5.27
KBPX-LD D27 LD APP	393.0	38,172	30.1	2,084	0.27	0.45
KBVO D27 DT LIC	6.1	8	1.0	8	0.01	0.00
KBTV-TV D27 DT CP	23.2	734	13.1	109	0.12	0.02