

# OUT-OF-CORE DISPLACEMENT APPLICATION

BMP 100.5 FM, LP

KNEX-LP LPTV STATION

CH 42 - 638-644 MHZ - 15.0 KW

LAREDO, TEXAS

August 2011

## EXHIBIT A

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
Census data selected 2000  
Data Base Selected  
./data\_files/pt\_tvdb.sff

### TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-12-2011 Time: 09:05:58

Record Selected for Analysis

KNEX-LP USERRECORD-01 LAREDO TX US  
Channel 42 ERP 15. kW HAAT 224. m RCAMSL 00370 m STRINGENT MASK  
Latitude 027-31-12 Longitude 0099-31-19  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.  
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

Not full service station  
Service Class = LD  
Maximum height/power limits not checked

Site number	1			
Azimuth	ERP	HAAT	51.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	15.000	227.1	51.3	
45.0	15.000	219.2	50.9	
90.0	15.000	216.8	50.7	
135.0	15.000	224.3	51.2	
180.0	15.000	239.0	52.0	
225.0	15.000	217.1	50.8	
270.0	15.000	214.5	50.6	
315.0	15.000	237.9	51.9	

Contour Overlap to Proposed Station

Station  
KETF-CD 41 LAREDO TX BDISTTA20060905ABE

Station inside contour of Digital LPTV station  
KNEX-LP 42 LAREDO TX USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

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 within the Mexican coordination distance

Distance to border = 1.3km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Call	City/State	ARN
42	KNEX-LP	LAREDO TX	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KAEU-LP	ALICE TX	125.3	LIC	BLTTL	-20080801AOL
39	KXOF-CA	LAREDO TX	15.0	LIC	BLTTL	-19970710JG
39	KXOF-CA	LAREDO TX	18.1	APP	BSTA	-20060912AAU
41	KETF-CD	LAREDO TX	34.1	APP	BDISTTA	-20060905ABE
42	KVVC-LP	CORPUS CHRISTI TX	190.4	CP MOD	BMPTTL	-20090629ABW
42	NEW	MCALLEN TX	140.9	APP	BMJADTL	-20100518AAM
42	KXCO-LD	REFUGIO TX	237.7	CP	BNPTTL	-20000831AOZ
42	KSSJ-LP	SAN ANTONIO TX	262.4	LIC	BLTTL	-20110325ABK
42	NEW	SONORA TX	340.8	APP	BNPDTL	-20100406ABW
42	KVCV-LP	VICTORIA TX	289.8	LIC	BLTTL	-20070511ABY
43	KTLM	MCALLEN TX	205.5	CP	BDRTCDT	-20100430ACD

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	KAEU-LP	ALICE TX	BLTTL	-20080801AOL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	KORO	CORPUS CHRISTI TX	62.8	LIC	BLCDT	-20060626ACE
34	KYDF-LP	CORPUS CHRISTI TX	86.9	LIC	BLTTL	-20071003AAH
34	KLUJ-TV	HARLINGEN TX	174.4	LIC	BLEDT	-20070402KPK
38	KUQI	CORPUS CHRISTI TX	65.4	LIC	BLCDT	-20090612AFW
42	KNEX-LP	LAREDO TX	125.3	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	KXOF-CA	LAREDO TX	BLTTL	-19970710JG

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	KENS	SAN ANTONIO TX	237.6	LIC	BLCDDT	-20090720ABH
40	NEW	LAREDO TX	0.3	APP	BNPDTL	-20090825CBM
40	KTLM	RIO GRANDE CITY TX	126.1	LIC	BLCDDT	-20090617AAK
40	KTLM-DR	RIO GRANDE CITY TX	126.1	APP	BPRM	-20080620AOA
42	KNEX-LP	LAREDO TX	15.0	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	KXOF-CA	LAREDO TX	BSTA	-20060912AAU

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	KENS	SAN ANTONIO TX	221.4	LIC	BLCDDT	-20090720ABH
40	NEW	LAREDO TX	33.4	APP	BNPDTL	-20090825CBM
42	KNEX-LP	LAREDO TX	18.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 3  
Before Analysis

Results for: 39N TX LAREDO      BSTA      20060912AAU    APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	160853	798.0
not affected by terrain losses	160853	796.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

### After Analysis

Results for: 39N TX LAREDO      BSTA      20060912AAU    APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	160853	798.0
not affected by terrain losses	160853	796.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1396	1.0
lost to all IX	1396	1.0

Potential Interfering Stations Included in above Scenario 1

42A TX LAREDO      USERRECORD01      APP

The following station failed the de minimis interference criteria.

42D TX LAREDO      USERRECORD01  
ERP 15.00 kW HAAT 224.0 m RCAMSL 370.0 m  
Antenna usr USRPAT01

Due to interference to the following station and scenario: 1

39N TX LAREDO      BSTA      20060912AAU  
ERP 85.00 kW HAAT 109.0 m RCAMSL 244.0 m  
Antenna CDB 00000000075586

Percent new DTV interference from proposal: 0.8679 BSTA 20060912AAU

Worst case new IX 0.8679% Scenario 1

Proposed station is MX

42A TX LAREDO USERRECORD01 APP  
39N TX LAREDO BSTA 20060912AAU APP

Proposal MX with BSTA 20060912AAU scenario 1 of station 3

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#### Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	KETF-CD	LAREDO TX	BDISTTA -20060905ABE

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	NEW	LAREDO TX	21.7	APP	BNPDTL -20090825CBM
40	KTLM	RIO GRANDE CITY TX	109.4	LIC	BLCDDT -20090617AAK
40	KTLM-DR	RIO GRANDE CITY TX	109.4	APP	BPRM -20080620AOA
41	KCRP-CA	CORPUS CHRISTI TX	187.3	LIC	BLTTL -20001117ABY
41	KWEX-DT	SAN ANTONIO TX	235.6	LIC	BLCDDT -20090619AAK
41	KWEX-DT	SAN ANTONIO TX	235.6	CP	BPCDDT -20090626ACY
42	KNEX-LP	LAREDO TX	34.1	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	KVVC-LP	CORPUS CHRISTI TX	BMPTTL -20090629ABW

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KUQI	CORPUS CHRISTI TX	0.0	LIC	BLCDDT -20090612AFW
41	KCRP-CA	CORPUS CHRISTI TX	21.1	LIC	BLTTL -20001117ABY
42	KTBU	CONROE TX	286.4	LIC	BLCDDT -20050103AJA
42	NEW	MCALLEN TX	172.4	APP	BMJADTL -20100518AAM
42	KXCO-LD	REFUGIO TX	69.0	CP	BNPTTL -20000831AOZ
43	K68DJ	CORPUS CHRISTI TX	22.0	CP	BDISTT -20060925ACZ
43	NEW	CORPUS CHRISTI TX	21.1	APP	BSFDTL -20060630CIX
43	NEW	CORPUS CHRISTI TX	21.7	APP	BSFDTL -20060630CKI
43	NEW	CORPUS CHRISTI TX	21.1	APP	BSFDTL -20060630DDQ
57	K57FC	CORPUS CHRISTI TX	21.0	LIC	BLTT -20030501AAH
42	KNEX-LP	LAREDO TX	190.4	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.
42	NEW	MCALLEN TX	BMJADTL -20100518AAM

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	KVVC-LP	CORPUS CHRISTI TX	172.4	CP MOD	BMPTTL -20090629ABW
43	KTLM	MCALLEN TX	69.2	CP	BDRTCDT -20100430ACD
42	KNEX-LP	LAREDO TX	140.9	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.
42	KXCO-LD	REFUGIO TX	BNPTTL -20000831AOZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KUQI	CORPUS CHRISTI TX	69.0	LIC	BLCDT -20090612AFW
39	KENS	SAN ANTONIO TX	144.6	LIC	BLCDT -20090720ABH
42	KTBU	CONROE TX	221.1	LIC	BLCDT -20050103AJA
42	KVVC-LP	CORPUS CHRISTI TX	69.0	CP MOD	BMPTTL -20090629ABW
42	KVCV-LP	VICTORIA TX	62.9	LIC	BLTTL -20070511ABY
42	KNEX-LP	LAREDO TX	237.7	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.
42	KSSJ-LP	SAN ANTONIO TX	BLTTL -20110325ABK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KVDA	SAN ANTONIO TX	47.3	LIC	BLCDT -20021015ABQ
39	KENS	SAN ANTONIO TX	49.5	LIC	BLCDT -20090720ABH
41	KWEX-DT	SAN ANTONIO TX	47.2	LIC	BLCDT -20090619AAK
41	KWEX-DT	SAN ANTONIO TX	47.2	CP	BPCDT -20090626ACY
42	KPXD-TV	ARLINGTON TX	347.9	LIC	BLCDT -20091022ACM
42	KTBU	CONROE TX	284.4	LIC	BLCDT -20050103AJA
42	KVCV-LP	VICTORIA TX	177.1	LIC	BLTTL -20070511ABY
43	KEYE-TV	AUSTIN TX	94.2	LIC	BLCDT -20031001BGN
49	KNVA	AUSTIN TX	94.8	LIC	BLCDT -20080808ACP
42	KNEX-LP	LAREDO TX	262.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	NEW	SONORA TX	BNPDTL -20100406ABW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	KPXD-TV	ARLINGTON TX	384.2	LIC	BLCDT -20091022ACM
42	KMLM-DT	ODESSA TX	258.7	LIC	BLCDT -20081231AAS
42	KSSJ-LP	SAN ANTONIO TX	196.1	LIC	BLTTL -20110325ABK
42	KNEX-LP	LAREDO TX	340.8	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

Channel	Call	City/State	Application Ref. No.
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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KUQI	CORPUS CHRISTI TX	131.9	LIC	BLCDDT	-20090612AFW
38	KVDA	SAN ANTONIO TX	139.9	LIC	BLCDDT	-20021015ABQ
39	KENS	SAN ANTONIO TX	139.5	LIC	BLCDDT	-20090720ABH
41	KUNU-LP	VICTORIA TX	2.7	LIC	BLTTL	-20010511AAZ
42	KTBU	CONROE TX	163.1	LIC	BLCDDT	-20050103AJA
42	KXCO-LD	REFUGIO TX	62.9	CP	BNPTTL	-20000831AOZ
42	KSSJ-LP	SAN ANTONIO TX	177.1	LIC	BLTTL	-20110325ABK
43	K43DV	VICTORIA TX	12.7	LIC	BLTT	-19930416IF
42	KNEX-LP	LAREDO TX	289.8	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.
43	KTLM	MCALLEN TX	BDRTCDT	-20100430ACD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	NEW	MCALLEN TX	69.2	APP	BMJADTL	-20100518AAM
43	K68DJ	CORPUS CHRISTI TX	176.8	CP	BDISTT	-20060925ACZ
43	NEW	CORPUS CHRISTI TX	184.7	APP	BSFDTL	-20060630CIX
43	NEW	CORPUS CHRISTI TX	185.3	APP	BSFDTL	-20060630CKI
43	NEW	CORPUS CHRISTI TX	184.7	APP	BSFDTL	-20060630DDQ
44	KNUC-LP	MCALLEN TX	24.4	APP	BDISDTL	-20100317AAO
42	KNEX-LP	LAREDO TX	205.5	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	KNEX-LP	LAREDO TX	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KETF-CD	LAREDO TX	34.1	APP	BDISTTA	-20060905ABE
42	KVVC-LP	CORPUS CHRISTI TX	190.4	CP MOD	BMPTTL	-20090629ABW
42	NEW	MCALLEN TX	140.9	APP	BMJADTL	-20100518AAM
42	KSSJ-LP	SAN ANTONIO TX	262.4	LIC	BLTTL	-20110325ABK

Total scenarios = 2

Result key:

2

Scenario 1 Affected station

12

Before Analysis

Results for: 42A TX LAREDO

USERRECORD01

APP

HAAT 224.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	191120	8115.0
not affected by terrain losses	191120	8115.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

Result key: 3  
Scenario 2 Affected station 12  
Before Analysis

Results for: 42A TX LAREDO USERRECORD01 APP  
HAAT 224.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	191120	8115.0
not affected by terrain losses	191120	8115.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2	41.0
lost to ATV IX only	2	41.0
lost to all IX	2	41.0

Potential Interfering Stations Included in above Scenario 2

42A TX MCALLEN BMJADTL 20100518AAM APP

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

\* Note : It is noted that KXOF-CA has a permit to move to Channel 27.