

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
TW Census data selected 2000  
Data Base Selected  
/export/home/cdbs/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-01-2012

Record Selected for Analysis

KHPM-CD USERRECORD-01 SAN MARCOS TX US  
Channel 40 ERP 0.034 kW HAAT 44. m RCAMSL 00244 m STRINGENT MASK  
Latitude 029-53-26 Longitude 0097-56-54  
Status APP Zone 2 Border Site number: 01  
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 (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	51.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	0.034	33.0	7.5	
45.0	0.034	40.6	8.3	
90.0	0.034	58.5	10.1	
135.0	0.034	77.2	11.4	
180.0	0.034	53.3	9.7	
225.0	0.034	33.0	7.5	
270.0	0.034	33.0	7.5	
315.0	0.034	33.0	7.5	

Database HAAT does not agree with computed HAAT  
Database HAAT: 44 Computed HAAT: 45

Contour Overlap to Proposed Station

Station  
KHPM-CA 40 SAN MARCOS TX BLTTA20060515ADT

Station inside contour of Digital LPTV station  
KHPM-CD 40 SAN MARCOS TX USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

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 beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

\*\*\*\*\*  
Start of Interference Analysis

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

Channel	Proposed Station	Call	City/State	ARN
40	KHPM-CD		SAN MARCOS TX	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	KEVI-LP	SAN ANTONIO TX	51.4	LIC	BLTTTL	-19950103JA
32	KGBS-CA	AUSTIN TX	49.7	LIC	BLTTA	-20081106ACW
39	KENS	SAN ANTONIO TX	75.5	LIC	BLCDDT	-20090720ABH
39	DK39HB	VICTORIA TX	156.6	CP	BDFCDTL	-20090515ABP
40	KTES-LP	ABILENE TX	337.6	CP	BDFCDTL	-20100129ABV
40	KTES-LP	ABILENE TX	312.6	LIC	BLTTTL	-20000505AAN
40	KXLK-CA	AUSTIN TX	50.1	LIC	BLTTA	-20030424ABA
40	KXLK-CA	AUSTIN TX	50.2	APP	BSTA	-20101104ACI
40	NEW	BEAUMONT TX	378.1	APP	BNPDTL	-20100903ABE
40	KRHD-CD	BRYAN TX	171.6	LIC	BLDTA	-20100520AAO
40	K40KX-D	CENTERVILLE TX	264.0	CP	BNPDTL	-20090825BPZ
40	K40KH	CORPUS CHRISTI TX	250.7	CP	BNPTTL	-20000829AEH
40	KXTX-TV	DALLAS TX	313.7	LIC	BLCDDT	-20021106ABR
40	KHPL-CA	LA GRANGE TX	102.8	LIC	BLTTA	-20020405ABH
40	NEW	LAREDO TX	312.9	APP	BNPDTL	-20090825CBM
40	KUVM-LD	MISSOURI CITY TX	238.2	LIC	BLDTL	-20100728ABU
40	KUVM-LD	MISSOURI CITY TX	238.2	APP	BMPDTL	-20100521ADD
40	KBTW-TV	PORT ARTHUR TX	382.4	LIC	BLCDDT	-20090615ACC
40	KTLM-DR	RIO GRANDE CITY TX	381.3	APP	BPRM	-20080620AOA
40	KTLM	RIO GRANDE CITY TX	381.3	LIC	BLCDDT	-20090617AAK
40	KISA-LP	SAN ANTONIO TX	73.4	CP	BDFCDTL	-20100726AKD
40	KISA-LP	SAN ANTONIO TX	73.4	LIC	BLTTTL	-20050323AGF
40	NEW	SONORA TX	231.6	APP	BNPDTL	-20100406ABV
41	K41LT-D	COLLEGE STATION TX	185.5	CP	BNPDTL	-20090825AVX
41	KWEX-DT	SAN ANTONIO TX	72.7	CP	BPCDDT	-20090626ACY
41	KWEX-DT	SAN ANTONIO TX	72.8	LIC	BLCDDT	-20090619AAK
41	KUNU-LP	VICTORIA TX	156.3	LIC	BLTTTL	-20010511AAZ
42	KSSJ-LP	SAN ANTONIO TX	53.5	LIC	BLTTTL	-20110325ABK
44	KHPF-CA	FREDERICKSBURG TX	99.2	LIC	BLTTA	-20021004AAC
44	KGMM-CA	SAN ANTONIO TX	72.7	LIC	BLTTA	-20040406AAU
47	KTXU-LP	WEST LAKE HILLS TX	50.2	LIC	BLTTTL	-20050124ADH

%%%

## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	KEVI-LP	SAN ANTONIO TX	BLTTTL	-19950103JA

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KNIC-DT	BLANCO TX	15.4	LIC	BLCDDT	-20091019ADG
21	KXAN-TV	AUSTIN TX	96.3	LIC	BLCDDT	-20050630AAG
22	KLRU	AUSTIN TX	95.8	LIC	BLEDDT	-20040305ACK
24	KGMM-LD	SAN ANTONIO TX	38.1	CP	BDCCDTL	-20080918AHI
25	KVCT	VICTORIA TX	149.1	LIC	BLCDDT	-20111216AAA
25	KWKT-DR	WACO TX	213.7	APP	BPRM	-20081106AWQ
26	KPXL-TV	UVALDE TX	64.6	LIC	BLCDDT	-20090612AHU
27	KBVO	LLANO TX	118.8	LIC	BLCDDT	-20090622ABA
32	KMYS	KERRVILLE TX	49.5	LIC	BLCDDT	-20060608ACW
33	KVUE	AUSTIN TX	95.8	LIC	BLCDDT	-20050624AAI
39	KENS	SAN ANTONIO TX	40.5	LIC	BLCDDT	-20090720ABH
40	KISA-LP	SAN ANTONIO TX	23.3	LIC	BLTTTL	-20050323AGF
40	KHPM-CD	SAN MARCOS TX	51.4	APP	USERRECORD-01	

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	KGBS-CA	AUSTIN TX	BLTTA	-20081106ACW

## Stations Potentially Affecting This Station

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	KWKT-DR	WACO TX	119.6	APP	BPRM	-20081106AWQ
28	KYLE-DR	BRYAN TX	137.9	APP	BPRM	-20090203AEO
28	KYLE-TV	BRYAN TX	137.9	LIC	BLCDDT	-20090612ABZ
30	KABB	SAN ANTONIO TX	122.9	LIC	BLCDDT	-20100527AFI
32	KPXB-TV	CONROE TX	235.8	LIC	BLCDDT	-20090612AHP
32	KDAF	DALLAS TX	259.8	LIC	BLCDDT	-20010606ABJ
32	KDAF	DALLAS TX	259.8	CP	BPCDDT	-20080620AET
32	KMYS	KERRVILLE TX	131.3	LIC	BLCDDT	-20060608ACW
33	KVUE	AUSTIN TX	0.3	LIC	BLCDDT	-20050624AAI
39	KENS	SAN ANTONIO TX	125.0	LIC	BLCDDT	-20090720ABH
46	KNCT	BELTON TX	75.8	LIC	BLEDT	-20100322ACY
47	KTXU-LP	WEST LAKE HILLS TX	0.5	LIC	BLTTL	-20050124ADH
40	KHPM-CD	SAN MARCOS TX	49.7	APP	USERRECORD-01	

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	KENS	SAN ANTONIO TX	BLCDDT	-20090720ABH

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KUQI	CORPUS CHRISTI TX	179.8	LIC	BLCDDT	-20090612AFW
38	KVDA	SAN ANTONIO TX	2.8	LIC	BLCDDT	-20021015ABQ
39	KAZD	LAKE DALLAS TX	389.0	LIC	BLCDDT	-20100924ABM
40	KHPM-CD	SAN MARCOS TX	75.5	APP	USERRECORD-01	

Total scenarios = 1

Result key:

1

Scenario 1 Affected station 3  
Before Analysis

Results for: 39A TX SAN ANTONIO BLCDDT 20090720ABH LIC  
HAAT 441.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1974322	37763.1
not affected by terrain losses	1965909	37080.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2031	92.6
lost to ATV IX only	2031	92.6
lost to all IX	2031	92.6

Potential Interfering Stations Included in above Scenario 1

38A TX SAN ANTONIO	BLCDDT	20021015ABQ	LIC
39A TX LAKE DALLAS	BLCDDT	20100924ABM	LIC

### After Analysis

Results for: 39A TX SAN ANTONIO BLCDDT 20090720ABH LIC  
HAAT 441.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1974322	37763.1
not affected by terrain losses	1965909	37080.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3137	96.5
lost to ATV IX only	3137	96.5
lost to all IX	3137	96.5

Potential Interfering Stations Included in above Scenario 1

38A TX SAN ANTONIO	BLCDDT	20021015ABQ	LIC
39A TX LAKE DALLAS	BLCDDT	20100924ABM	LIC
40A TX SAN MARCOS	USERRECORD01		APP

Percent new IX = 0.0563%

Worst case new IX 0.0563% Scenario 1

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

#####

## Analysis of Interference to Affected Station 4

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	DK39HB	VICTORIA TX	BDFCDTL -20090515ABP

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KUQI	CORPUS CHRISTI TX	131.9	LIC	BLCDT -20090612AFW
38	K38IG	VICTORIA TX	3.2	LIC	BLTTL -20070319ACB
39	NEW	CORPUS CHRISTI TX	134.1	APP	BMJADTL -20100519ABA
39	KZHO-LD	HOUSTON TX	187.0	LIC	BLDTL -20110301AAA
39	KENS	SAN ANTONIO TX	139.5	LIC	BLCDT -20090720ABH
40	KHPM-CD	SAN MARCOS TX	156.6	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 5

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KTES-LP	ABILENE TX	BDFCDTL -20100129ABV

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	KXTX-TV	DALLAS TX	261.2	LIC	BLCDT -20021106ABR
40	KLBK-TV	LUBBOCK TX	227.3	LIC	BLCDT -20080227ABM
40	K40FJ	MIDLAND TX	214.7	LIC	BLTTA -20011121ABB
40	K40HZ	WICHITA FALLS TX	191.5	CP	BDFCDTL -20100202ABF
40	KHPM-CD	SAN MARCOS TX	337.6	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 6

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KTES-LP	ABILENE TX	BLTTL -20000505AAN

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	KXTX-TV	DALLAS TX	259.3	LIC	BLCDT -20021106ABR
40	KLBK-TV	LUBBOCK TX	245.6	LIC	BLCDT -20080227ABM
40	K40FJ	MIDLAND TX	214.5	LIC	BLTTA -20011121ABB
40	KHPM-CD	SAN MARCOS TX	312.6	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 7

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KXLK-CA	AUSTIN TX	BLTTA -20030424ABA

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	KMYS	KERRVILLE TX	131.6	LIC	BLCDT -20060608ACW
33	KVUE	AUSTIN TX	0.2	LIC	BLCDT -20050624AAI
38	KVDA	SAN ANTONIO TX	122.5	LIC	BLCDT -20021015ABQ
39	KENS	SAN ANTONIO TX	125.3	LIC	BLCDT -20090720ABH
40	KXTX-TV	DALLAS TX	263.6	LIC	BLCDT -20021106ABR
40	KBTX-TV	PORT ARTHUR TX	366.8	LIC	BLCDT -20090615ACC

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

40	KHPM-CA	SAN MARCOS TX	50.1	LIC	BLTTA	-20060515ADT
41	KWEX-DT	SAN ANTONIO TX	122.5	CP	BPCDT	-20090626ACY
41	KWEX-DT	SAN ANTONIO TX	122.5	LIC	BLCDDT	-20090619AAK
43	KEYE-TV	AUSTIN TX	0.2	LIC	BLCDDT	-20031001BGN
44	KWKT-TV	WACO TX	119.2	LIC	BLCDDT	-20090612AIS
48	WOAI-TV	SAN ANTONIO TX	125.3	LIC	BLCDDT	-20090731ADF
40	KHPM-CD	SAN MARCOS TX	50.1	APP	USERRECORD-01	

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 8

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KXLK-CA	AUSTIN TX	BSTA -20101104ACI

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	KMYS	KERRVILLE TX	131.7	LIC	BLCDDT -20060608ACW
33	KVUE	AUSTIN TX	0.4	LIC	BLCDDT -20050624AAI
38	KVDA	SAN ANTONIO TX	122.6	LIC	BLCDDT -20021015ABQ
39	KENS	SAN ANTONIO TX	125.4	LIC	BLCDDT -20090720ABH
40	KXTX-TV	DALLAS TX	263.5	LIC	BLCDDT -20021106ABR
40	KBTX-TV	PORT ARTHUR TX	366.7	LIC	BLCDDT -20090615ACC
40	KHPM-CA	SAN MARCOS TX	50.2	LIC	BLTTA -20060515ADT
41	KWEX-DT	SAN ANTONIO TX	122.6	CP	BPCDT -20090626ACY
41	KWEX-DT	SAN ANTONIO TX	122.7	LIC	BLCDDT -20090619AAK
43	KEYE-TV	AUSTIN TX	0.4	LIC	BLCDDT -20031001BGN
44	KWKT-TV	WACO TX	119.1	LIC	BLCDDT -20090612AIS
48	WOAI-TV	SAN ANTONIO TX	125.4	LIC	BLCDDT -20090731ADF
40	KHPM-CD	SAN MARCOS TX	50.2	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 9

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	NEW	BEAUMONT TX	BNPDTL -20100903ABE

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	NEW	VINTON LA	40.4	APP	BNPDTL -20100407AAT
39	K39HG	BEAUMONT TX	22.4	LIC	BLTTL -20070613ADM
40	KAJN-CD	LAFAYETTE LA	195.5	LIC	BLDTA -20100813BHM
40	K40KX-D	CENTERVILLE TX	195.2	CP	BNPDTL -20090825BPZ
40	KXTX-TV	DALLAS TX	391.9	LIC	BLCDDT -20021106ABR
40	KUVM-LD	MISSOURI CITY TX	155.3	LIC	BLDTL -20100728ABU
40	KUVM-LD	MISSOURI CITY TX	155.3	APP	BMPDTL -20100521ADD
40	KBTX-TV	PORT ARTHUR TX	6.5	LIC	BLCDDT -20090615ACC
41	NEW	VINTON LA	40.4	APP	BNPDTL -20100407AAO
40	KHPM-CD	SAN MARCOS TX	378.1	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 10

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KRHD-CD	BRYAN TX	BLDTA -20100520AAO

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	KXLK-CA	AUSTIN TX	136.5	LIC	BLTTA -20030424ABA
40	KXLK-CA	AUSTIN TX	136.3	APP	BSTA -20101104ACI

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

40	K40KX-D	CENTERVILLE TX	92.5	CP	BNPDTL	-20090825BPZ
40	KXTX-TV	DALLAS TX	208.6	LIC	BLCDT	-20021106ABR
40	KHPL-CA	LA GRANGE TX	101.9	LIC	BLTTA	-20020405ABH
40	KUVM-LD	MISSOURI CITY TX	161.6	LIC	BLDTL	-20100728ABU
40	KUVM-LD	MISSOURI CITY TX	161.6	APP	BMPDTL	-20100521ADD
40	KBTX-TV	PORT ARTHUR TX	247.0	LIC	BLCDT	-20090615ACC
40	KHPM-CA	SAN MARCOS TX	171.6	LIC	BLTTA	-20060515ADT
41	K41LT-D	COLLEGE STATION TX	22.4	CP	BNPDTL	-20090825AVX
40	KHPM-CD	SAN MARCOS TX	171.6	APP	USERRECORD-01	

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 11

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	K40KX-D	CENTERVILLE TX	BNPDTL	-20090825BPZ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	KADO-LP	SHREVEPORT LA	228.7	LIC	BLTTA	-20050124AJP
40	KRHD-CD	BRYAN TX	92.5	LIC	BLDTA	-20100520AAO
40	KXTX-TV	DALLAS TX	199.6	LIC	BLCDT	-20021106ABR
40	KUVM-LD	MISSOURI CITY TX	181.2	LIC	BLDTL	-20100728ABU
40	KUVM-LD	MISSOURI CITY TX	181.2	APP	BMPDTL	-20100521ADD
40	KBTX-TV	PORT ARTHUR TX	195.3	LIC	BLCDT	-20090615ACC
40	KHPM-CD	SAN MARCOS TX	264.0	APP	USERRECORD-01	

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 12

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	K40KH	CORPUS CHRISTI TX	BNPTTL	-20000829AEH

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KUQI	CORPUS CHRISTI TX	11.7	LIC	BLCDT	-20090612AFW
39	NEW	CORPUS CHRISTI TX	12.3	APP	BMJADTL	-20100519ABA
40	KTLM-DR	RIO GRANDE CITY TX	166.1	APP	BPRM	-20080620AOA
40	KTLM	RIO GRANDE CITY TX	166.1	LIC	BLCDT	-20090617AAK
41	KCRP-CA	CORPUS CHRISTI TX	22.9	LIC	BLTTL	-20001117ABY
55	KLAO-LP	CORPUS CHRISTI TX	23.5	LIC	BLTTL	-19930222JJJ
40	KHPM-CD	SAN MARCOS TX	250.7	APP	USERRECORD-01	

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 13

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	KXTX-TV	DALLAS TX	BLCDT	-20021106ABR

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	KAZD	LAKE DALLAS TX	0.3	LIC	BLCDT	-20100924ABM
40	KAUT-TV	OKLAHOMA CITY OK	338.3	LIC	BLCDT	-20060504ACH
40	KAUT-TV	OKLAHOMA CITY OK	337.3	CP	BPCDT	-20080620AFC
40	KBTX-TV	PORT ARTHUR TX	391.2	LIC	BLCDT	-20090615ACC
41	KXAS-TV	FORT WORTH TX	0.0	LIC	BLCDT	-19981125KG
40	KHPM-CD	SAN MARCOS TX	313.7	APP	USERRECORD-01	

Proposal causes no interference

#####

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

## Analysis of Interference to Affected Station 14

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KHPL-CA	LA GRANGE TX	BLTTA -20020405ABH

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	KPXB-TV	CONROE TX	137.7	LIC	BLCDT -20090612AHP
33	KVUE	AUSTIN TX	99.6	LIC	BLCDT -20050624AAI
36	KFTH-DT	ALVIN TX	137.7	LIC	BLCDT -20050527BEM
38	KIAH	HOUSTON TX	138.8	LIC	BLCDT -20021022AAH
38	KIAH	HOUSTON TX	138.8	CP	BPCDT -20080619AKV
40	KRHD-CD	BRYAN TX	101.9	LIC	BLDTA -20100520AAO
40	KXTX-TV	DALLAS TX	297.2	LIC	BLCDT -20021106ABR
40	KBTX-TV	PORT ARTHUR TX	279.9	LIC	BLCDT -20090615ACC
40	KISA-LP	SAN ANTONIO TX	165.4	LIC	BLTTTL -20050323AGF
42	KTBU	CONROE TX	138.0	LIC	BLCDT -20050103AJA
43	KEYE-TV	AUSTIN TX	99.6	LIC	BLCDT -20031001BGN
44	KZJL	HOUSTON TX	138.0	CP	BPCDT -20080612AAQ
44	KZJL	HOUSTON TX	138.0	LIC	BLCDT -20060524AEC
47	KYAZ	KATY TX	138.0	LIC	BLCDT -20100126ACZ
48	KTMD	GALVESTON TX	137.7	LIC	BLCDT -20040325AEO
40	KHPM-CD	SAN MARCOS TX	102.8	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 15

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	NEW	LAREDO TX	BNPDTL -20090825CBM

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KXOF-CA	LAREDO TX	0.3	LIC	BLTTTL -19970710JG
39	KXOF-CA	LAREDO TX	33.4	APP	BSTA -20060912AAU
40	K40KH	CORPUS CHRISTI TX	187.0	CP	BNPTTL -20000829AEH
40	KTLM-DR	RIO GRANDE CITY TX	125.7	APP	BPRM -20080620AOA
40	KTLM	RIO GRANDE CITY TX	125.7	LIC	BLCDT -20090617AAK
41	KETF-CD	LAREDO TX	21.7	APP	BDISTTA -20060905ABE
40	KHPM-CD	SAN MARCOS TX	312.9	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 16

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KUVM-LD	MISSOURI CITY TX	BLDTL -20100728ABU

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KZHO-LD	HOUSTON TX	26.1	LIC	BLDTL -20110301AAA
40	NEW	BEAUMONT TX	155.3	APP	BNPDTL -20100903ABE
40	KRHD-CD	BRYAN TX	161.6	LIC	BLDTA -20100520AAO
40	K40KX-D	CENTERVILLE TX	181.2	CP	BNPDTL -20090825BPZ
40	KXTX-TV	DALLAS TX	363.6	LIC	BLCDT -20021106ABR
40	KHPL-CA	LA GRANGE TX	138.0	LIC	BLTTA -20020405ABH
40	KBTX-TV	PORT ARTHUR TX	161.0	LIC	BLCDT -20090615ACC
41	KUBE-TV	BAYTOWN TX	1.0	LIC	BLCDT -20081016ACF
40	KHPM-CD	SAN MARCOS TX	238.2	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 17

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KUVM-LD	MISSOURI CITY TX	BMPDTL -20100521ADD

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KZHO-LD	HOUSTON TX	26.1	LIC	BLDTL -20110301AAA
40	NEW	BEAUMONT TX	155.3	APP	BNPDTL -20100903ABE
40	KRHD-CD	BRYAN TX	161.6	LIC	BLDTA -20100520AAO
40	K40KX-D	CENTERVILLE TX	181.2	CP	BNPDTL -20090825BPZ
40	KXTX-TV	DALLAS TX	363.6	LIC	BLCDT -20021106ABR
40	KHPL-CA	LA GRANGE TX	138.0	LIC	BLTTA -20020405ABH
40	KBTW-TV	PORT ARTHUR TX	161.0	LIC	BLCDT -20090615ACC
41	KUBE-TV	BAYTOWN TX	1.0	LIC	BLCDT -20081016ACF
40	KHPM-CD	SAN MARCOS TX	238.2	APP	USERRECORD-01

Proposal causes no interference

#####

### Analysis of Interference to Affected Station 18

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KBTW-TV	PORT ARTHUR TX	BLCDT -20090615ACC

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WDBD	JACKSON MS	412.0	LIC	BLCDT -20090612ADU
40	KXTX-TV	DALLAS TX	391.2	LIC	BLCDT -20021106ABR
41	KBCA	ALEXANDRIA LA	154.7	LIC	BLCDT -20090618AAN
41	KUBE-TV	BAYTOWN TX	160.6	LIC	BLCDT -20081016ACF
40	KHPM-CD	SAN MARCOS TX	382.4	APP	USERRECORD-01

Proposal causes no interference

#####

### Analysis of Interference to Affected Station 19

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KTLM-DR	RIO GRANDE CITY TX	BPRM -20080620AOA

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	KTLM	RIO GRANDE CITY TX	0.0	LIC	BLCDT -20090617AAK
40	KHPM-CD	SAN MARCOS TX	381.3	APP	USERRECORD-01

Proposal causes no interference

#####

### Analysis of Interference to Affected Station 20

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KTLM	RIO GRANDE CITY TX	BLCDT -20090617AAK

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	KTLM-DR	RIO GRANDE CITY TX	0.0	APP	BPRM -20080620AOA
40	KHPM-CD	SAN MARCOS TX	381.3	APP	USERRECORD-01

Proposal causes no interference

#####

### Analysis of Interference to Affected Station 21



# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KISA-LP	SAN ANTONIO TX	BDFCDTL -20100726AKD

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KENS	SAN ANTONIO TX	30.1	LIC	BLCDT -20090720ABH
40	KXLK-CA	AUSTIN TX	119.2	LIC	BLTTA -20030424ABA
40	KXLK-CA	AUSTIN TX	119.3	APP	BSTA -20101104ACI
40	KXTX-TV	DALLAS TX	378.9	LIC	BLCDT -20021106ABR
40	KHPL-CA	LA GRANGE TX	165.4	LIC	BLTTA -20020405ABH
40	KTLM-DR	RIO GRANDE CITY TX	325.4	APP	BPRM -20080620AOA
40	KTLM	RIO GRANDE CITY TX	325.4	LIC	BLCDT -20090617AAK
40	KHPM-CA	SAN MARCOS TX	73.4	LIC	BLTTA -20060515ADT
41	KWEX-DT	SAN ANTONIO TX	29.0	CP	BPCDT -20090626ACY
41	KWEX-DT	SAN ANTONIO TX	29.0	LIC	BLCDT -20090619AAK
40	KHPM-CD	SAN MARCOS TX	73.4	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 22

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KISA-LP	SAN ANTONIO TX	BLTTL -20050323AGF

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	KMYS	KERRVILLE TX	41.8	LIC	BLCDT -20060608ACW
33	KVUE	AUSTIN TX	119.0	LIC	BLCDT -20050624AAI
38	KVDA	SAN ANTONIO TX	29.1	LIC	BLCDT -20021015ABQ
39	KENS	SAN ANTONIO TX	30.1	LIC	BLCDT -20090720ABH
40	KXTX-TV	DALLAS TX	378.9	LIC	BLCDT -20021106ABR
40	KTLM-DR	RIO GRANDE CITY TX	325.4	APP	BPRM -20080620AOA
40	KTLM	RIO GRANDE CITY TX	325.4	LIC	BLCDT -20090617AAK
40	KHPM-CA	SAN MARCOS TX	73.4	LIC	BLTTA -20060515ADT
41	KWEX-DT	SAN ANTONIO TX	29.0	CP	BPCDT -20090626ACY
41	KWEX-DT	SAN ANTONIO TX	29.0	LIC	BLCDT -20090619AAK
43	KEYE-TV	AUSTIN TX	119.0	LIC	BLCDT -20031001BGN
48	WOAI-TV	SAN ANTONIO TX	30.1	LIC	BLCDT -20090731ADF
40	KHPM-CD	SAN MARCOS TX	73.4	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 23

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	NEW	SONORA TX	BNPDTL -20100406ABV

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	KTES-LP	ABILENE TX	200.8	LIC	BLTTL -20000505AAN
40	KXTX-TV	DALLAS TX	386.2	LIC	BLCDT -20021106ABR
40	KLBK-TV	LUBBOCK TX	367.4	LIC	BLCDT -20080227ABM
40	KHPM-CD	SAN MARCOS TX	231.6	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 24

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	K41LT-D	COLLEGE STATION TX	BNPDTL -20090825AVX

## Stations Potentially Affecting This Station

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	KRHD-CD	BRYAN TX	22.4	LIC	BLDTA	-20100520AAO
41	KBCA	ALEXANDRIA LA	346.9	LIC	BLCDT	-20090618AAN
41	KUBE-TV	BAYTOWN TX	142.8	LIC	BLCDT	-20081016ACF
41	KXAS-TV	FORT WORTH TX	221.9	LIC	BLCDT	-19981125KG
41	K41LW-D	LUFKIN TX	166.9	CP	BNPDTL	-20090825ATP
41	KWEX-DT	SAN ANTONIO TX	247.6	CP	BPCDT	-20090626ACY
41	KWEX-DT	SAN ANTONIO TX	247.7	LIC	BLCDT	-20090619AAK
40	KHPM-CD	SAN MARCOS TX	185.5	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 25

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	KWEX-DT	SAN ANTONIO TX	BPCDT	-20090626ACY

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KUBE-TV	BAYTOWN TX	267.8	LIC	BLCDT	-20081016ACF
41	KXAS-TV	FORT WORTH TX	385.9	LIC	BLCDT	-19981125KG
40	KHPM-CD	SAN MARCOS TX	72.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2  
Scenario 1 Affected station 25  
Before Analysis

Results for: 41A TX SAN ANTONIO BPCDT 20090626ACY CP  
HAAT 432.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1907879	31533.2
not affected by terrain losses	1899665	30886.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7150	283.3
lost to ATV IX only	7150	283.3
lost to all IX	7150	283.3

### Potential Interfering Stations Included in above Scenario 1

41A TX BAYTOWN	BLCDT	20081016ACF	LIC
41A TX FORT WORTH	BLCDT	19981125KG	LIC

### After Analysis

Results for: 41A TX SAN ANTONIO BPCDT 20090626ACY CP  
HAAT 432.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1907879	31533.2
not affected by terrain losses	1899665	30886.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7196	288.2
lost to ATV IX only	7196	288.2
lost to all IX	7196	288.2

### Potential Interfering Stations Included in above Scenario 1

41A TX BAYTOWN	BLCDT	20081016ACF	LIC
41A TX FORT WORTH	BLCDT	19981125KG	LIC
40A TX SAN MARCOS	USERRECORD01		APP

Percent new IX = 0.0024%

Worst case new IX 0.0024% Scenario 1

#####

## Analysis of Interference to Affected Station 26

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	KWEX-DT	SAN ANTONIO TX	BLCDT -20090619AAK

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KUBE-TV	BAYTOWN TX	267.8	LIC	BLCDT -20081016ACF
41	KXAS-TV	FORT WORTH TX	386.0	LIC	BLCDT -19981125KG
40	KHPM-CD	SAN MARCOS TX	72.8	APP	USERRECORD-01

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 26  
Before Analysis

Results for: 41A TX SAN ANTONIO BLCDT 20090619AAK LIC

HAAT 432.0 m, ATV ERP 580.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1877326	28629.2
not affected by terrain losses	1872130	28183.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5863	235.1
lost to ATV IX only	5863	235.1
lost to all IX	5863	235.1

Potential Interfering Stations Included in above Scenario 1

41A TX BAYTOWN	BLCDT	20081016ACF	LIC
41A TX FORT WORTH	BLCDT	19981125KG	LIC

## After Analysis

Results for: 41A TX SAN ANTONIO BLCDT 20090619AAK LIC

HAAT 432.0 m, ATV ERP 580.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1877326	28629.2
not affected by terrain losses	1872130	28183.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8006	242.0
lost to ATV IX only	8006	242.0
lost to all IX	8006	242.0

Potential Interfering Stations Included in above Scenario 1

41A TX BAYTOWN	BLCDT	20081016ACF	LIC
41A TX FORT WORTH	BLCDT	19981125KG	LIC
40A TX SAN MARCOS	USERRECORD01		APP

Percent new IX = 0.1148%

Worst case new IX 0.1148% Scenario 1

#####

## Analysis of Interference to Affected Station 27

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	KUNU-LP	VICTORIA TX	BLTTL -20010511AAZ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KUQI	CORPUS CHRISTI TX	129.6	LIC	BLCDT -20090612AFW
38	KVDA	SAN ANTONIO TX	138.4	LIC	BLCDT -20021015ABQ
39	KENS	SAN ANTONIO TX	137.9	LIC	BLCDT -20090720ABH
41	KUBE-TV	BAYTOWN TX	166.3	LIC	BLCDT -20081016ACF
41	KWEX-DT	SAN ANTONIO TX	138.4	CP	BPCDT -20090626ACY
41	KWEX-DT	SAN ANTONIO TX	138.4	LIC	BLCDT -20090619AAK
42	KVCV-LP	VICTORIA TX	2.7	LIC	BLTTL -20070511ABY
48	WOAI-TV	SAN ANTONIO TX	137.9	LIC	BLCDT -20090731ADF
40	KHPM-CD	SAN MARCOS TX	156.3	APP	USERRECORD-01

## OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

### Analysis of Interference to Affected Station 28

#### 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	BLCDDT -20021015ABQ
39	KENS	SAN ANTONIO TX	49.5	LIC	BLCDDT -20090720ABH
41	KWEX-DT	SAN ANTONIO TX	47.2	CP	BPCDDT -20090626ACY
41	KWEX-DT	SAN ANTONIO TX	47.2	LIC	BLCDDT -20090619AAK
42	KPXD-TV	ARLINGTON TX	347.9	LIC	BLCDDT -20091022ACM
42	KTBU	CONROE TX	284.4	LIC	BLCDDT -20050103AJA
42	KVCV-LP	VICTORIA TX	177.1	LIC	BLTTL -20070511ABY
43	KEYE-TV	AUSTIN TX	94.2	LIC	BLCDDT -20031001BGN
49	KNVA	AUSTIN TX	94.8	LIC	BLCDDT -20080808ACP
40	KHPM-CD	SAN MARCOS TX	53.5	APP	USERRECORD-01

Proposal causes no interference

#####

### Analysis of Interference to Affected Station 29

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
44	KHPF-CA	FREDERICKSBURG TX	BLTTA -20021004AAC

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KWEX-DT	SAN ANTONIO TX	123.3	CP	BPCDDT -20090626ACY
41	KWEX-DT	SAN ANTONIO TX	123.3	LIC	BLCDDT -20090619AAK
43	KEYE-TV	AUSTIN TX	104.3	LIC	BLCDDT -20031001BGN
44	KZJL	HOUSTON TX	334.5	CP	BPCDDT -20080612AAQ
44	KZJL	HOUSTON TX	334.5	LIC	BLCDDT -20060524AEC
44	KGMM-CA	SAN ANTONIO TX	123.3	LIC	BLTTA -20040406AAU
44	KWKT-TV	WACO TX	189.6	LIC	BLCDDT -20090612AIS
46	KNCT	BELTON TX	144.7	LIC	BLEDT -20100322ACY
48	WOAI-TV	SAN ANTONIO TX	125.3	LIC	BLCDDT -20090731ADF
40	KHPM-CD	SAN MARCOS TX	99.2	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

### Analysis of Interference to Affected Station 30

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
44	KGMM-CA	SAN ANTONIO TX	BLTTA -20040406AAU

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KWEX-DT	SAN ANTONIO TX	0.0	CP	BPCDDT -20090626ACY
41	KWEX-DT	SAN ANTONIO TX	0.0	LIC	BLCDDT -20090619AAK
43	KEYE-TV	AUSTIN TX	122.4	LIC	BLCDDT -20031001BGN
44	KZJL	HOUSTON TX	267.7	CP	BPCDDT -20080612AAQ
44	KZJL	HOUSTON TX	267.7	LIC	BLCDDT -20060524AEC
44	KWKT-TV	WACO TX	241.7	LIC	BLCDDT -20090612AIS
45	DK45FJ	SAN ANTONIO TX	0.5	APP	BDFCDTT -20060330AHD
48	WOAI-TV	SAN ANTONIO TX	2.8	LIC	BLCDDT -20090731ADF
40	KHPM-CD	SAN MARCOS TX	72.7	APP	USERRECORD-01

Proposal causes no interference

# OET-69 Interference Analysis, KHPM-CA, San Marcos, TX, Channel 40 (worst-case scenarios)

#####

## Analysis of Interference to Affected Station 31

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	KTXU-LP	WEST LAKE HILLS TX	BLTTL -20050124ADH

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KENS	SAN ANTONIO TX	125.4	LIC	BLCDT -20090720ABH
43	KEYE-TV	AUSTIN TX	0.4	LIC	BLCDT -20031001BGN
44	KWKT-TV	WACO TX	119.1	LIC	BLCDT -20090612AIS
46	KNCT	BELTON TX	75.4	LIC	BLEDT -20100322ACY
47	KYAZ	KATY TX	236.2	LIC	BLCDT -20100126ACZ
47	KSSJ-LP	SAN ANTONIO TX	94.6	APP	BSTA -20110329AAS
47	KSSJ-LP	SAN ANTONIO TX	94.6	CP	BDISDTL -20100803ADM
48	WOAI-TV	SAN ANTONIO TX	125.4	LIC	BLCDT -20090731ADF
49	KNVA	AUSTIN TX	0.3	LIC	BLCDT -20080808ACP
40	KHPM-CD	SAN MARCOS TX	50.2	APP	USERRECORD-01

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 32

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	KHPM-CD	SAN MARCOS TX	USERRECORD-01

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KENS	SAN ANTONIO TX	75.5	LIC	BLCDT -20090720ABH
40	KXLK-CA	AUSTIN TX	50.1	LIC	BLTTA -20030424ABA
40	KXLK-CA	AUSTIN TX	50.2	APP	BSTA -20101104ACI
40	KRHD-CD	BRYAN TX	171.6	LIC	BLDTA -20100520AAO
40	KXTX-TV	DALLAS TX	313.7	LIC	BLCDT -20021106ABR
40	KHPL-CA	LA GRANGE TX	102.8	LIC	BLTTA -20020405ABH
40	KBTU-TV	PORT ARTHUR TX	382.4	LIC	BLCDT -20090615ACC
40	KTLM-DR	RIO GRANDE CITY TX	381.3	APP	BPRM -20080620AOA
40	KTLM	RIO GRANDE CITY TX	381.3	LIC	BLCDT -20090617AAK
40	KISA-LP	SAN ANTONIO TX	73.4	CP	BDFCDTL -20100726AKD
40	KISA-LP	SAN ANTONIO TX	73.4	LIC	BLTTL -20050323AGF
41	KWEX-DT	SAN ANTONIO TX	72.7	CP	BPCDT -20090626ACY
41	KWEX-DT	SAN ANTONIO TX	72.8	LIC	BLCDT -20090619AAK

Total scenarios = 1

Result key:

4

Scenario 1 Affected station 32  
Before Analysis

Results for: 40A TX SAN MARCOS USERRECORD01 APP  
HAAT 44.0 m, ATV ERP 0.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	45208	242.7
not affected by terrain losses	45208	242.7
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

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED