

FIGURE 1 (10 Pages)

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
/space/software/cdbb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-17-2015 Time: 21:35:13

Record Selected for Analysis

K48OL-D USERRECORD-01 RIO GRANDE CITY TX US
Channel 48 ERP 2.5 kW HAAT 548. m RCAMSL 00674 m STRINGENT MASK
Latitude 026-31-01 Longitude 0098-39-07
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

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	2.500	523.9		54.263
45.0	2.500	536.8		54.560
90.0	2.500	548.7		54.813
135.0	2.500	548.7		54.813
180.0	2.500	577.5		55.419
225.0	2.500	564.4		55.143
270.0	2.500	548.7		54.813
315.0	2.500	537.4		54.571

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 = 22.1km

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
48	K48OL-D	RIO GRANDE CITY TX	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KAEU-LP	ALICE TX	139.3	LIC	BLTTL	-20080801AOL
41	KETF-CD	LAREDO TX	109.4	APP	BDISTTA	-20060905ABE
46	KFXV-LD	MCALLEN TX	56.8	APP	BPTTL	-20020415AAA
46	KRYM-LP	RAYMONDVILLE TX	88.0	LIC	BLTTL	-20071025ACN
47	K22JA-D	CORPUS CHRISTI TX	182.8	LIC	BLTTL	-19940317IE
47	NEW	LAREDO TX	134.5	APP	BNPDTL	-20100622AFH
47	KLMV-LD	LAREDO TX	141.3	APP	BSTA	-20060315ACF
47	NEW	RAYMONDVILLE TX	46.1	APP	BDCCDTL	-20131112ARB
48	NEW	LAREDO TX	134.5	APP	BMJADTL	-20100517AAZ
48	KTFV-CD	MCALLEN TX	75.6	LIC	BLDTA	-20120213AAP
48	WOAI-TV	SAN ANTONIO TX	308.3	LIC	BLCDT	-20090731ADF
48	KVCV-LD	VICTORIA TX	332.9	LIC	BLANK	-0000004468
49	KCBO-LP	CORPUS CHRISTI TX	188.8	CP	BDFCDTL	-20080429ABA
49	KCBO-LP	CORPUS CHRISTI TX	188.8	LIC	BLTTL	-20070122AAV
49	KNVO	MCALLEN TX	75.6	LIC	BLCDT	-20060626ABJ
50	KMAO-LP	RAYMONDVILLE TX	84.0	LIC	BLTTL	-19980722JG
55	KYLX-LD	LAREDO TX	126.1	LIC	BLTTL	-20100827ABI

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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	BLCDDT -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	BLCDDT -20090612AFW
48	K48OL-D	RIO GRANDE CITY TX	139.3	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.
41	KETF-CD	LAREDO TX	BDISTTA -20060905ABE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	K40NU-D	LAREDO TX	21.7	CP	BNPDTL -20090825CBM
40	KTLM-DR	RIO GRANDE CITY TX	109.4	APP	BPRM -20080620AOA
40	KTLM	RIO GRANDE CITY TX	109.4	LIC	BLCDDT -20090617AAK
41	KWEX-DT	SAN ANTONIO TX	235.6	LIC	BLCDDT -20090619AAK
48	K48OL-D	RIO GRANDE CITY TX	109.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
46	KFXV-LD	MCALLEN TX	BPTTL -20020415AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KMBH	HARLINGEN TX	37.0	LIC	BMLCDDT -20140924ABC
46	KRYM-LP	RAYMONDVILLE TX	47.6	LIC	BLTTL -20071025ACN
47	NEW	RAYMONDVILLE TX	11.8	APP	BDCCDDT -20131112ARB
49	KNVO	MCALLEN TX	21.1	LIC	BLCDDT -20060626ABJ
48	K48OL-D	RIO GRANDE CITY TX	56.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	KRYM-LP	RAYMONDVILLE TX	BLTTL	-20071025ACN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KUQI	CORPUS CHRISTI TX	141.1	LIC	BLCDT	-20090612AFW
38	KMBH	HARLINGEN TX	42.2	LIC	BMLCDT	-20140924ABC
46	KFXV-LD	MCALLEN TX	47.6	APP	BPTTL	-20020415AAA
49	KNVO	MCALLEN TX	54.1	LIC	BLCDT	-20060626ABJ
48	K48OL-D	RIO GRANDE CITY TX	88.0	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	K22JA-D	CORPUS CHRISTI TX	BLTTL	-19940317IE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	NEW	CORPUS CHRISTI TX	9.0	APP	BNPDTL	-20100427ACR
47	KYAZ	KATY TX	275.0	LIC	BLCDT	-20100126ACZ
48	K48OL-D	RIO GRANDE CITY TX	182.8	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	NEW	LAREDO TX	BNPDTL	-20100622AFH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	K22JA-D	CORPUS CHRISTI TX	181.0	LIC	BLTTL	-19940317IE
47	KLMV-LD	LAREDO TX	31.2	APP	BSTA	-20060315ACF
47	NEW	RAYMONDVILLE TX	172.4	APP	BDCCDTL	-20131112ARB
48	NEW	LAREDO TX	0.0	APP	BMJADTL	-20100517AAZ
48	K48OL-D	RIO GRANDE CITY TX	134.5	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.
47	KLMV-LD	LAREDO TX	BSTA	-20060315ACF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	KTLM-DR	RIO GRANDE CITY TX	141.3	APP	BPRM	-20080620AOA
40	KTLM	RIO GRANDE CITY TX	141.3	LIC	BLCDT	-20090617AAK
47	NEW	LAREDO TX	31.2	APP	BNPDTL	-20100622AFH
48	NEW	LAREDO TX	31.2	APP	BMJADTL	-20100517AAZ
48	K48OL-D	RIO GRANDE CITY TX	141.3	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.
47	NEW	RAYMONDVILLE TX	BDCCDTL	-20131112ARB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	KFXV-LD	MCALLEN TX	11.8	APP	BPTTL	-20020415AAA
46	KRYM-LP	RAYMONDVILLE TX	49.5	LIC	BLTTL	-20071025ACN
47	K22JA-D	CORPUS CHRISTI TX	174.4	LIC	BLTTL	-19940317IE
47	NEW	LAREDO TX	172.4	APP	BNPDTL	-20100622AFH
47	KLMV-LD	LAREDO TX	183.5	APP	BSTA	-20060315ACF
48	KTFV-CD	MCALLEN TX	32.7	LIC	BLDTA	-20120213AAP
48	K48OL-D	RIO GRANDE CITY TX	46.1	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.
48	NEW	LAREDO TX	BMJADTL -20100517AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	NEW	LAREDO TX	0.0	APP	BNPDTL -20100622AFH
47	KLMV-LD	LAREDO TX	31.2	APP	BSTA -20060315ACF
48	KTFV-CD	MCALLEN TX	205.1	LIC	BLDTA -20120213AAP
48	WOAI-TV	SAN ANTONIO TX	206.4	LIC	BLCDDT -20090731ADF
48	K48OL-D	RIO GRANDE CITY TX	134.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	KTFV-CD	MCALLEN TX	BLDTA -20120213AAP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	NEW	RAYMONDVILLE TX	32.7	APP	BDCCDTL -20131112ARB
48	NEW	LAREDO TX	205.1	APP	BMJADTL -20100517AAZ
48	WOAI-TV	SAN ANTONIO TX	354.2	LIC	BLCDDT -20090731ADF
49	KNVO	MCALLEN TX	0.0	LIC	BLCDDT -20060626ABJ
48	K48OL-D	RIO GRANDE CITY TX	75.6	APP	USERRECORD-01

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 10
Before Analysis

Results for: 48A TX MCALLEN BLDTA 20120213AAP LIC

HAAT 288.0 m, ATV ERP 12.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	719475	7407.5
not affected by terrain losses	719475	7407.5
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

After Analysis

Results for: 48A TX MCALLEN BLDTA 20120213AAP LIC
HAAT 288.0 m, ATV ERP 12.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	719475	7407.5
not affected by terrain losses	719475	7407.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2669	412.2
lost to ATV IX only	2669	412.2
lost to all IX	2669	412.2

Potential Interfering Stations Included in above Scenario 1

48A TX RIO GRANDE CITY USERRECORD01 APP

Percent new IX = 0.3710%

Worst case new IX 0.3710% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	WOAI-TV	SAN ANTONIO TX	BLCDT -20090731ADF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	KTMD	GALVESTON TX	268.8	LIC	BLCDT -20040325AEO
48	KSTR-DT	IRVING TX	384.6	LIC	BLCDT -20100826AFG
49	KNVA	AUSTIN TX	125.7	LIC	BLCDT -20080808ACP
48	K480L-D	RIO GRANDE CITY TX	308.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	KVCV-LD	VICTORIA TX	BLANK -0000004468

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KYAZ	KATY TX	130.0	LIC	BLCDT -20100126ACZ
48	KTMD	GALVESTON TX	130.5	LIC	BLCDT -20040325AEO
48	WOAI-TV	SAN ANTONIO TX	163.9	LIC	BLCDT -20090731ADF

48 K48OL-D RIO GRANDE CITY TX 332.9 APP USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	KCBO-LP	CORPUS CHRISTI TX	BDFCDTL -20080429ABA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KNVA	AUSTIN TX	283.9	LIC	BLCDT -20080808ACP
49	KNVO	MCALLEN TX	201.0	LIC	BLCDT -20060626ABJ
48	K48OL-D	RIO GRANDE CITY TX	188.8	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	KCBO-LP	CORPUS CHRISTI TX	BLTTL -20070122AAV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KNVA	AUSTIN TX	283.9	LIC	BLCDT -20080808ACP
49	KNVO	MCALLEN TX	201.0	LIC	BLCDT -20060626ABJ
48	K48OL-D	RIO GRANDE CITY TX	188.8	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	KNVO	MCALLEN TX	BLCDT -20060626ABJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48OL-D	RIO GRANDE CITY TX	75.6	APP	USERRECORD-01

Total scenarios = 1

Result key: 2
Scenario 1 Affected station 15
Before Analysis

Results for: 49A TX MCALLEN BLCDT 20060626ABJ LIC
HAAT 286.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	956807	23897.4
not affected by terrain losses	956807	23881.6
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

After Analysis

Results for: 49A TX MCALLEN BLCDT 20060626ABJ LIC
HAAT 286.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	956807	23897.4
not affected by terrain losses	956807	23881.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4222	359.9
lost to ATV IX only	4222	359.9
lost to all IX	4222	359.9

Potential Interfering Stations Included in above Scenario 1

48A TX RIO GRANDE CITY USERRECORD01 APP

Percent new IX = 0.4413%

Worst case new IX 0.4413% Scenario 1

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	KMAO-LP	RAYMONDVILLE TX	BLTTL -19980722JG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	KNVO	MCALLEN TX	49.9	LIC	BLCDT	-20060626ABJ
48	K48OL-D	RIO GRANDE CITY TX	84.0	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
55	KYLX-LD	LAREDO TX	BLTTL	-20100827ABI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	K48OL-D	RIO GRANDE CITY TX	126.1	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED