Meintel, Sgrignoli, & Wallace

Technical Statement
Supporting STA Application
KSAT-TV San Antonio, TX
July 5, 2012

In February 2011 KSAT-TV (KSAT) filed an application (BPCDT-20110224AAL) for a construction permit to increase its effective radiated power (ERP) to 65 kW and modify its antenna pattern. KSAT has recently been informed that its application is still awaiting approval from the Mexican authorities. However, it has been suggested by FCC staff that it may be possible for the Commission to grant a Special Temporary Authority (STA) based on the parameters contained in the pending application. In view of this a STA is being requested that would fully implement the parameters contained in the pending application discussed above.

In support of this STA application, a study has been performed to show that no know stations in Mexico will be adversely affected by the grant of the requested STA. In order to determine potentially affected Mexican stations, a search of the available sources was performed. These included the FCC CDBS data base as well as the MEMORANDUM OF UNDERSTANDING BETWEEN THE FEDERAL COMMUNICATIONS COMMISSION OF THE UNITED STATES OF AMERICA AND THE SECRETARIA DE COMUNICACIONES Y TRANSPORTES OF THE UNITED MEXICAN STATES RELATED TO THE USE OF THE 54-72 MHZ, 76-88 MHZ, 174-216

P. O. Box 907
Warrenton, VA 20188
Phone 540-428-2308 - Fax 540-428-2309

MHZ AND 470-806 MHZ BANDS FOR THE DIGITAL TELEVISION BROADCASTING SERVICE ALONG THE COMMON BORDER (MOU) and the UNITED STATES – MEXICO VHF TELEVISION AGREEMENT. In that KSAT is located 216 km from the Mexican border only co-channel (12) and 1st adjacent channels (11 and 13) were included in the search.

The Mexico stations that were found on the relevant channels are a significant distance from KSAT and would not be expected to be affected. However, studies of potential interference were performed toward the following stations nearest to KSAT:

Channel 11	Analog	Nuevo Laredo, TAM	236.8 km (From MOU)
Channel 12	Analog	Monterrey, NLE	450.8 km (From MOU)
Channel 12	Analog	Reynosa, TAM	353.2 km (From MOU)
Channel 13	Digital	Cd. Acuna, COA	256.2 km (From CDBS)

No Mexican stations listed in the sources discussed above on channel 13 were even remotely near enough to KSAT to be potentially affected. In addition, there are no Mexican stations listed in the MOU for digital operation on channel 11, 12 or 13

In addition to the above list, the following additional stations were also studied on the assumption that the analog stations listed above might ultimately return to the analog channel for digital operation.

Channel 11	Digital	Nuevo Laredo, TAM	236.8 km (From MOU)
Channel 12	Digital	Monterrey, NLE	450.8 km (From MOU)
Channel 12	Digital	Reynosa, TAM	353.2 km (From MOU)

In that the Mexican stations listed above all lacked a full set of parameters to perform the analyses, a worst case assumption was made where data was missing that the stations would operate with maximum height and power. Likewise since the stations are all located beyond the normal culling distance for the OET-69 Longley-Rice analysis model (OET-69) the culling distance was modified so that the stations would be included in the analyses. In addition, since the 3-second terrain data used by OET-69 does not cover Mexico the higher resolution 1-second terrain data was used for all studies.

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The results of the OET-69 analyses (copies attached) show as expected that no new interference would be caused to the Mexican stations with the exception of the potential digital use of channel 12 at Reynosa. However, the predicted interference to this station is insignificant (0.4% based on area). As shown in the attached plot all of the predicted interference occurs near the edges of the predicted service and almost all of it occurs in Texas.

The applicant is aware that Mexican approval of the power requested in the previous application (65 kW) is not guaranteed. However, based on this analysis there does not appear to be any grounds for Mexico to not approve the request. Therefore, ultimate approval by Mexico is anticipated.

An RF exposure analysis indicates the radiation below the antenna for the power level being requested in this STA application (65 kW) will be well within acceptable limits. All other current (site is existing main antenna location) safeguards related to the site with regard to both workers and the general public will remain in place.

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It is further noted that the parameters contained in this application are identical to those proposed in the construction permit application (BPCDT-20110224AAL). Therefore, it fully complies with the interference protection requirements toward other co-channel and adjacent channel stations.

The above was prepared by:

William R. Meintel
Partner, Meintel, Sgrignoli & Wallace

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Phone 540-428-2308 - Fax 540-428-2309

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/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-05-2012 Time: 14:18:05

Record Selected for Analysis

KSAT-TV BPCDT -20110224AAL SAN ANTONIO TX US
Channel 12 ERP 65. kW HAAT 00449 m RCAMSL 00607 m
Latitude 029-16-11 Longitude 0098-15-31
Status APP Zone 3 Border M Site number: 01
Dir Antenna Make CDB Model 00000000104158 Beam tilt Y Ref Azimuth 0.0
Last update 00000000 Cutoff date 20110224 Docket
Comments
Applicant POST-NEWSWEEK STATIONS, SAN ANTONIO,

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number 1

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	36.077	435.6	113.824
45.0	13.545	432.8	104.552
90.0	12.527	431.7	103.771
135.0	32.490	456.6	114.639
180.0	59.158	470.3	121.480
225.0	64.740	462.8	121.907
270.0	64.870	450.5	121.002
315.0	60.467	448.0	120.076

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KSAT-TV 12 SAN ANTONIO TX BPCDT 20110224AAL Site # 01

and station

SHORT TO: KAMU-TV 12 COLLEGESTATION/BRYAN TX BLEDT 20030319AFB
030-37-47 0096-20-33
Req. separation 273.6 Actual separation 238.6 Short 35.0 km

SHORT TO: KSAT-TV 12 SAN ANTONIO TX DTVPLN DTVP0392
29 -16-11 98 -15-31
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

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 = 216.1km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN	
12	KSAT-TV	SAN ANTONIO TX	BPCDT	20110224AAL

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KQUX-CA	AUSTIN TX	124.7	CP	BDFCDVA 20090723AEL
11	KQUX-CA	AUSTIN TX	124.7	LIC	BLTVA 20060613AAL
11	KHOU	HOUSTON TX	268.9	CP MOD	BMPCDT 20080618AAW
11	KHOU	HOUSTON TX	268.9	LIC	BLCDT 20090612AAQ
11	KLST	SAN ANGELO TX	289.4	LIC	BLCDT 20090316ABJ
11	KVCT	VICTORIA TX	119.8	LIC	BLCDT 20120104AAJ
12	KBMT	BEAUMONT TX	434.3	CP MOD	BMPCDT

20080616AEJ
 12   KBMT   BEAUMONT TX   434.3 LIC   BLCDT
20090610ACH
 12   KAMU-TV COLLEGESTATION/BRYAN TX   238.5 LIC   BLEDT
20030319AFB
 12   KXII   SHERMAN TX   547.1 LIC   BLCDT
20090226ACF
 13   KRIS-TV CORPUS CHRISTI TX   181.6 LIC   BLCDT
20060628ABC
 13   KAKW-DT KILLEEN TX   163.9 CP   BPCDT
20090630ACH
 13   KAKW-DT KILLEEN TX   163.9 LIC   BLCDT
20060912ACJ
 11   XHBR-TV NUEVO LAREDO TA (NTSC)   234.6 APP   USERRECORD01

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	XHBR-TV	NUEVO LAREDO TA (NTSC)	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KZTV	CORPUS CHRISTI TX	185.4	LIC	BLCDT	-
20100111ADU						
10	K10QK-D	LAREDO TX	8.0	CP MOD	BMPDVL	-
20110916ABO						
11	KSPG-LP	CARRIZO SPRINGS TX	120.4	LIC	BLTVL	-
20001013ACD						
11	KHOU	HOUSTON TX	454.5	CP MOD	BMPCDT	-
20080618AAW						
11	KHOU	HOUSTON TX	454.5	LIC	BLCDT	-
20090612AAQ						
11	KLST	SAN ANGELO TX	437.4	LIC	BLCDT	-
20090316ABJ						
11	KVCT	VICTORIA TX	278.5	LIC	BLCDT	-
20120104AAJ						
12	KSAT-TV	SAN ANTONIO TX	234.6	PLN	DTVPLN	-
DTVP0392						
12	KSAT-TV	SAN ANTONIO TX	234.6	APP	BPCDT	-
20110224AAL						

Proposal causes no interference

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

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/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-04-2012 Time: 16:15:35

Record Selected for Analysis

KSAT-TV BPCDT -20110224AAL SAN ANTONIO TX US
Channel 12 ERP 65. kW HAAT 00449 m RCAMSL 00607 m
Latitude 029-16-11 Longitude 0098-15-31
Status APP Zone 3 Border M Site number: 01
Dir Antenna Make CDB Model 00000000104158 Beam tilt Y Ref Azimuth 0.0
Last update 00000000 Cutoff date 20110224 Docket
Comments
Applicant POST-NEWSWEEK STATIONS, SAN ANTONIO,

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number 1

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	36.077	435.6	113.824
45.0	13.545	432.8	104.552
90.0	12.527	431.7	103.771
135.0	32.490	456.6	114.639
180.0	59.158	470.3	121.480
225.0	64.740	462.8	121.907
270.0	64.870	450.5	121.002
315.0	60.467	448.0	120.076

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KSAT-TV 12 SAN ANTONIO TX BPCDT 20110224AAL Site # 01

and station

SHORT TO: KAMU-TV 12 COLLEGESTATION/BRYAN TX BLEDT 20030319AFB
030-37-47 0096-20-33
Req. separation 273.6 Actual separation 238.6 Short 35.0 km

SHORT TO: KSAT-TV 12 SAN ANTONIO TX DTVPLN DTVP0392
29 -16-11 98 -15-31
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

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 = 216.1km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN	
12	KSAT-TV	SAN ANTONIO TX	BPCDT	20110224AAL

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KQUX-CA	AUSTIN TX	124.7	CP	BDFCDVA 20090723AEL
11	KQUX-CA	AUSTIN TX	124.7	LIC	BLTVA 20060613AAL
11	KVCT	VICTORIA TX	119.8	LIC	BLCDT 20120104AAJ
12	KBMT	BEAUMONT TX	434.3	CP MOD	BMPCDT 20080616AEJ
12	KBMT	BEAUMONT TX	434.3	LIC	BLCDT 20090610ACH
12	KAMU-TV	COLLEGESTATION/BRYAN TX	238.5	LIC	BLEDT 20030319AFB
12	KXII	SHERMAN TX	547.1	LIC	BLCDT

20090226ACF
 13   KRIS-TV CORPUS CHRISTI TX   181.6 LIC   BLCDT
20060628ABC
 13   KAKW-DT KILLEEN TX   163.9 CP   BPCDT
20090630ACH
 13   KAKW-DT KILLEEN TX   163.9 LIC   BLCDT
20060912ACJ
 12   XHAW   MONTERREY NL (NTSC)   448.2 APP   USERRECORD01

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Analysis of Interference to Affected Station 11

Analysis of current record
Channel   Call   City/State   Application Ref. No.
   12   XHAW   MONTERREY NL (NTSC)   USERRECORD-01

Stations Potentially Affecting This Station

Chan   Call   City/State   Dist(km) Status Application Ref. No.
 12   KSAT-TV SAN ANTONIO TX   448.2 PLN   DTVPLN   - DTVP0392
 12   KSAT-TV SAN ANTONIO TX   448.2 APP   BPCDT   - 20110224AAL
 Proposal causes no interference

##

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

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/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-05-2012 Time: 11:11:23

Record Selected for Analysis

KSAT-TV BPCDT -20110224AAL SAN ANTONIO TX US
Channel 12 ERP 65. kW HAAT 00449 m RCAMSL 00607 m
Latitude 029-16-11 Longitude 0098-15-31
Status APP Zone 3 Border M Site number: 01
Dir Antenna Make CDB Model 00000000104158 Beam tilt Y Ref Azimuth 0.0
Last update 00000000 Cutoff date 20110224 Docket
Comments
Applicant POST-NEWSWEEK STATIONS, SAN ANTONIO,

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number 1

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	36.077	435.6	113.824
45.0	13.545	432.8	104.552
90.0	12.527	431.7	103.771
135.0	32.490	456.6	114.639
180.0	59.158	470.3	121.480
225.0	64.740	462.8	121.907
270.0	64.870	450.5	121.002
315.0	60.467	448.0	120.076

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KSAT-TV 12 SAN ANTONIO TX BPCDT 20110224AAL Site # 01

and station

SHORT TO: KAMU-TV 12 COLLEGESTATION/BRYAN TX BLEDT 20030319AFB
030-37-47 0096-20-33
Req. separation 273.6 Actual separation 238.6 Short 35.0 km

SHORT TO: KSAT-TV 12 SAN ANTONIO TX DTVPLN DTVP0392
29 -16-11 98 -15-31
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

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 = 216.1km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN	
12	KSAT-TV	SAN ANTONIO TX	BPCDT	20110224AAL

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KQUX-CA	AUSTIN TX	124.7	CP	BDFCDVA 20090723AEL
11	KQUX-CA	AUSTIN TX	124.7	LIC	BLTVA 20060613AAL
11	KHOU	HOUSTON TX	268.9	CP MOD	BMPCDT 20080618AAW
11	KHOU	HOUSTON TX	268.9	LIC	BLCDT 20090612AAQ
11	KLST	SAN ANGELO TX	289.4	LIC	BLCDT 20090316ABJ
11	KVCT	VICTORIA TX	119.8	LIC	BLCDT 20120104AAJ
12	KBMT	BEAUMONT TX	434.3	CP MOD	BMPCDT

20080616AEJ
 12   KBMT   BEAUMONT TX   434.3 LIC   BLCDT
20090610ACH
 12   KAMU-TV COLLEGESTATION/BRYAN TX   238.5 LIC   BLEDT
20030319AFB
 12   KXII   SHERMAN TX   547.1 LIC   BLCDT
20090226ACF
 13   KRIS-TV CORPUS CHRISTI TX   181.6 LIC   BLCDT
20060628ABC
 13   KAKW-DT KILLEEN TX   163.9 CP   BPCDT
20090630ACH
 13   KAKW-DT KILLEEN TX   163.9 LIC   BLCDT
20060912ACJ
 12   EXIST_A REYNOSA TA (NTSC)   353.2 APP   USERRECORD01

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Analysis of Interference to Affected Station 14

Analysis of current record
Channel   Call   City/State   Application Ref. No.
   12   EXIST_A   REYNOSA TA (NTSC)   USERRECORD-01

Stations Potentially Affecting This Station

Chan   Call   City/State   Dist(km) Status Application Ref.
No.
 12   KSAT-TV SAN ANTONIO TX   353.2 PLN   DTVPLN   -
DTVP0392
 12   KSAT-TV SAN ANTONIO TX   353.2 APP   BPCDT   -
20110224AAL
 13   KRIS-TV CORPUS CHRISTI TX   195.3 LIC   BLCDT   -
20060628ABC
 13   KRGV-TV WESLACO TX   44.1 LIC   BLCDT   -
20020904AAR
 Proposal causes no interference

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

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/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-05-2012 Time: 15:26:31

Record Selected for Analysis

KSAT-TV BPCDT -20110224AAL SAN ANTONIO TX US
Channel 12 ERP 65. kW HAAT 00449 m RCAMSL 00607 m
Latitude 029-16-11 Longitude 0098-15-31
Status APP Zone 3 Border M Site number: 01
Dir Antenna Make CDB Model 00000000104158 Beam tilt Y Ref Azimuth 0.0
Last update 00000000 Cutoff date 20110224 Docket
Comments
Applicant POST-NEWSWEEK STATIONS, SAN ANTONIO,

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number 1

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	36.077	435.6	113.824
45.0	13.545	432.8	104.552
90.0	12.527	431.7	103.771
135.0	32.490	456.6	114.639
180.0	59.158	470.3	121.480
225.0	64.740	462.8	121.907
270.0	64.870	450.5	121.002
315.0	60.467	448.0	120.076

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KSAT-TV 12 SAN ANTONIO TX BPCDT 20110224AAL Site # 01

and station

SHORT TO: KAMU-TV 12 COLLEGESTATION/BRYAN TX BLEDT 20030319AFB
030-37-47 0096-20-33
Req. separation 273.6 Actual separation 238.6 Short 35.0 km

SHORT TO: KSAT-TV 12 SAN ANTONIO TX DTVPLN DTVP0392
29 -16-11 98 -15-31
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

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 = 216.1km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN	
12	KSAT-TV	SAN ANTONIO TX	BPCDT	20110224AAL

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KAQY	COLUMBIA LA	674.7	LIC	BLCDT 20100311ABL
11	KSWO-TV	LAWTON OK	551.4	LIC	BLCDT 20060707ADG
11	KQUX-CA	AUSTIN TX	124.7	CP	BDFCDVA 20090723AEL
11	KQUX-CA	AUSTIN TX	124.7	LIC	BLTVA 20060613AAL
11	KHOU	HOUSTON TX	268.9	CP MOD	BMPCDT 20080618AAW
11	KHOU	HOUSTON TX	268.9	LIC	BLCDT 20090612AAQ
11	KCBD	LUBBOCK TX	583.7	LIC	BLCDT

20100305ABI
11 KLST SAN ANGELO TX 289.4 LIC BLCDT
20090316ABJ
11 KVCT VICTORIA TX 119.8 LIC BLCDT
20120104AAJ
12 KVIH-TV CLOVIS NM 724.1 LIC BLCDT
20091221AHU
12 KVIH-DR CLOVIS NM 724.1 APP BPRM
20080620AOB
12 KBMT BEAUMONT TX 434.3 CP MOD BMPCDT
20080616AEJ
12 KBMT BEAUMONT TX 434.3 LIC BLCDT
20090610ACH
12 KAMU-TV COLLEGESTATION/BRYAN TX 238.5 LIC BLEDT
20030319AFB
12 KXII SHERMAN TX 547.1 LIC BLCDT
20090226ACF
13 KRIS-TV CORPUS CHRISTI TX 181.6 LIC BLCDT
20060628ABC
13 KTRK-TV HOUSTON TX 269.8 LIC BLCDT
20090612AAS
13 KAKW-DT KILLEEN TX 163.9 CP BPCDT
20090630ACH
13 KAKW-DT KILLEEN TX 163.9 LIC BLCDT
20060912ACJ
13 KVTV LAREDO TX 230.4 LIC BLCDT
20090619ABP
13 KRGV-TV WESLACO TX 354.7 LIC BLCDT
20020904AAR
13 NEW_DTV CD. ACUNA TA (DTV) 256.2 APP USERRECORD01

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Analysis of Interference to Affected Station 22

Analysis of current record
Channel Call City/State Application Ref. No.
13 NEW_DTV CD. ACUNA TA (DTV) USERRECORD-01

Stations Potentially Affecting This Station

Chan Call City/State Dist(km) Status Application Ref.
No.
12 KSAT-TV SAN ANTONIO TX 256.2 PLN DTVPLN -
DTVP0392
12 KSAT-TV SAN ANTONIO TX 256.2 APP BPCDT -
20110224AAL
13 KETA-TV OKLAHOMA CITY OK 764.9 LIC BLEDT -
20090226ACG
13 KRIS-TV CORPUS CHRISTI TX 365.5 LIC BLCDT -
20060628ABC
13 KCOS EL PASO TX 601.5 LIC BLEDT -
20110620AHQ
13 KTRK-TV HOUSTON TX 524.3 LIC BLCDT -
20090612AAS
13 KAKW-DT KILLEEN TX 322.2 CP BPCDT -
20090630ACH
13 KAKW-DT KILLEEN TX 322.2 LIC BLCDT -

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20060912ACJ
 13   KVTV     LAREDO TX                238.9  LIC    BLCDT     -
20090619ABP
 13   KRGV-TV  WESLACO TX               465.6  LIC    BLCDT     -
20020904AAR

 Proposed station is beyond the site to
 nearest cell evaluation distance

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED
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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/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-04-2012 Time: 17:00:24

Record Selected for Analysis

KSAT-TV BPCDT -20110224AAL SAN ANTONIO TX US
Channel 12 ERP 65. kW HAAT 00449 m RCAMSL 00607 m
Latitude 029-16-11 Longitude 0098-15-31
Status APP Zone 3 Border M Site number: 01
Dir Antenna Make CDB Model 00000000104158 Beam tilt Y Ref Azimuth 0.0
Last update 00000000 Cutoff date 20110224 Docket
Comments
Applicant POST-NEWSWEEK STATIONS, SAN ANTONIO,

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number 1

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	36.077	435.6	113.824
45.0	13.545	432.8	104.552
90.0	12.527	431.7	103.771
135.0	32.490	456.6	114.639
180.0	59.158	470.3	121.480
225.0	64.740	462.8	121.907
270.0	64.870	450.5	121.002
315.0	60.467	448.0	120.076

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KSAT-TV 12 SAN ANTONIO TX BPCDT 20110224AAL Site # 01

and station

SHORT TO: KAMU-TV 12 COLLEGESTATION/BRYAN TX BLEDT 20030319AFB
030-37-47 0096-20-33
Req. separation 273.6 Actual separation 238.6 Short 35.0 km

SHORT TO: KSAT-TV 12 SAN ANTONIO TX DTVPLN DTVP0392
29 -16-11 98 -15-31
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

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 = 216.1km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN	
12	KSAT-TV	SAN ANTONIO TX	BPCDT	20110224AAL

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KQUX-CA	AUSTIN TX	124.7	CP	BDFCDVA 20090723AEL
11	KQUX-CA	AUSTIN TX	124.7	LIC	BLTVA 20060613AAL
11	KHOU	HOUSTON TX	268.9	CP MOD	BMPCDT 20080618AAW
11	KHOU	HOUSTON TX	268.9	LIC	BLCDT 20090612AAQ
11	KLST	SAN ANGELO TX	289.4	LIC	BLCDT 20090316ABJ
11	KVCT	VICTORIA TX	119.8	LIC	BLCDT 20120104AAJ
12	KBMT	BEAUMONT TX	434.3	CP MOD	BMPCDT

20080616AEJ
 12   KBMT   BEAUMONT TX   434.3 LIC   BLCDT
20090610ACH
 12   KAMU-TV COLLEGESTATION/BRYAN TX   238.5 LIC   BLEDT
20030319AFB
 12   KXII   SHERMAN TX   547.1 LIC   BLCDT
20090226ACF
 13   KRIS-TV CORPUS CHRISTI TX   181.6 LIC   BLCDT
20060628ABC
 13   KAKW-DT KILLEEN TX   163.9 CP   BPCDT
20090630ACH
 13   KAKW-DT KILLEEN TX   163.9 LIC   BLCDT
20060912ACJ
 11   NEW_DTV NUEVO LAREDO TA (DTV)   236.8 APP   USERRECORD01

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	NEW_DTV	NUEVO LAREDO TA (DTV)	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref. No.
10	KZTV	CORPUS CHRISTI TX	187.1	LIC	BLCDT 20100111ADU -
11	KHOU	HOUSTON TX	456.6	CP MOD	BMPCDT 20080618AAW -
11	KHOU	HOUSTON TX	456.6	LIC	BLCDT 20090612AAQ -
11	KLST	SAN ANGELO TX	439.1	LIC	BLCDT 20090316ABJ -
11	KVCT	VICTORIA TX	280.6	LIC	BLCDT 20120104AAJ -
12	KSAT-TV	SAN ANTONIO TX	236.8	PLN	DTVPLN DTVP0392 -
12	KSAT-TV	SAN ANTONIO TX	236.8	APP	BPCDT 20110224AAL -

Proposal causes no interference

##

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

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/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-04-2012 Time: 15:32:04

Record Selected for Analysis

KSAT-TV BPCDT -20110224AAL SAN ANTONIO TX US
Channel 12 ERP 65. kW HAAT 00449 m RCAMSL 00607 m
Latitude 029-16-11 Longitude 0098-15-31
Status APP Zone 3 Border M Site number: 01
Dir Antenna Make CDB Model 00000000104158 Beam tilt Y Ref Azimuth 0.0
Last update 00000000 Cutoff date 20110224 Docket
Comments
Applicant POST-NEWSWEEK STATIONS, SAN ANTONIO,

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number 1

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	36.077	435.6	113.824
45.0	13.545	432.8	104.552
90.0	12.527	431.7	103.771
135.0	32.490	456.6	114.639
180.0	59.158	470.3	121.480
225.0	64.740	462.8	121.907
270.0	64.870	450.5	121.002
315.0	60.467	448.0	120.076

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KSAT-TV 12 SAN ANTONIO TX BPCDT 20110224AAL Site # 01

and station

SHORT TO: KAMU-TV 12 COLLEGESTATION/BRYAN TX BLEDT 20030319AFB
030-37-47 0096-20-33
Req. separation 273.6 Actual separation 238.6 Short 35.0 km

SHORT TO: KSAT-TV 12 SAN ANTONIO TX DTVPLN DTVP0392
29 -16-11 98 -15-31
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

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 = 216.1km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN	
12	KSAT-TV	SAN ANTONIO TX	BPCDT	20110224AAL

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KQUX-CA	AUSTIN TX	124.7	CP	BDFCDVA 20090723AEL
11	KQUX-CA	AUSTIN TX	124.7	LIC	BLTVA 20060613AAL
11	KVCT	VICTORIA TX	119.8	LIC	BLCDT 20120104AAJ
12	KBMT	BEAUMONT TX	434.3	CP MOD	BMPCDT 20080616AEJ
12	KBMT	BEAUMONT TX	434.3	LIC	BLCDT 20090610ACH
12	KAMU-TV	COLLEGESTATION/BRYAN TX	238.5	LIC	BLEDT 20030319AFB
12	KXII	SHERMAN TX	547.1	LIC	BLCDT

20090226ACF
 13   KRIS-TV CORPUS CHRISTI TX   181.6 LIC   BLCDT
20060628ABC
 13   KAKW-DT KILLEEN TX   163.9 CP   BPCDT
20090630ACH
 13   KAKW-DT KILLEEN TX   163.9 LIC   BLCDT
20060912ACJ
 12   XHAW   MONTERREY NL (DTV)   450.8 APP   USERRECORD01

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     Analysis of Interference to Affected Station 11

Analysis of current record
Channel   Call   City/State   Application Ref. No.
   12   XHAW   MONTERREY NL (DTV)   USERRECORD-01

     Stations Potentially Affecting This Station

Chan   Call   City/State   Dist(km) Status Application Ref. No.
 12   KSAT-TV SAN ANTONIO TX   450.8 PLN   DTVPLN   - DTVP0392
 12   KSAT-TV SAN ANTONIO TX   450.8 APP   BPCDT   - 20110224AAL
 13   KVTV   LAREDO TX   222.6 LIC   BLCDT   - 20090619ABP
 Proposal causes no interference

##

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

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/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-04-2012 Time: 17:44:03

Record Selected for Analysis

KSAT-TV BPCDT -20110224AAL SAN ANTONIO TX US
Channel 12 ERP 65. kW HAAT 00449 m RCAMSL 00607 m
Latitude 029-16-11 Longitude 0098-15-31
Status APP Zone 3 Border M Site number: 01
Dir Antenna Make CDB Model 00000000104158 Beam tilt Y Ref Azimuth 0.0
Last update 00000000 Cutoff date 20110224 Docket
Comments
Applicant POST-NEWSWEEK STATIONS, SAN ANTONIO,

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number 1

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	36.077	435.6	113.824
45.0	13.545	432.8	104.552
90.0	12.527	431.7	103.771
135.0	32.490	456.6	114.639
180.0	59.158	470.3	121.480
225.0	64.740	462.8	121.907
270.0	64.870	450.5	121.002
315.0	60.467	448.0	120.076

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KSAT-TV 12 SAN ANTONIO TX BPCDT 20110224AAL Site # 01

and station

SHORT TO: KAMU-TV 12 COLLEGESTATION/BRYAN TX BLEDT 20030319AFB
030-37-47 0096-20-33
Req. separation 273.6 Actual separation 238.6 Short 35.0 km

SHORT TO: KSAT-TV 12 SAN ANTONIO TX DTVPLN DTVP0392
29 -16-11 98 -15-31
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

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 = 216.1km

Proposed station is OK toward AM broadcast stations

****

Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN	
12	KSAT-TV	SAN ANTONIO TX	BPCDT	20110224AAL

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KQUX-CA	AUSTIN TX	124.7	CP	BDFCDVA 20090723AEL
11	KQUX-CA	AUSTIN TX	124.7	LIC	BLTVA 20060613AAL
11	KHOU	HOUSTON TX	268.9	CP MOD	BMPCDT 20080618AAW
11	KHOU	HOUSTON TX	268.9	LIC	BLCDT 20090612AAQ
11	KLST	SAN ANGELO TX	289.4	LIC	BLCDT 20090316ABJ
11	KVCT	VICTORIA TX	119.8	LIC	BLCDT 20120104AAJ
12	KBMT	BEAUMONT TX	434.3	CP MOD	BMPCDT

20080616AEJ
 12   KBMT   BEAUMONT TX   434.3 LIC   BLCDT
20090610ACH
 12   KAMU-TV COLLEGESTATION/BRYAN TX   238.5 LIC   BLEDT
20030319AFB
 12   KXII   SHERMAN TX   547.1 LIC   BLCDT
20090226ACF
 13   KRIS-TV CORPUS CHRISTI TX   181.6 LIC   BLCDT
20060628ABC
 13   KAKW-DT KILLEEN TX   163.9 CP   BPCDT
20090630ACH
 13   KAKW-DT KILLEEN TX   163.9 LIC   BLCDT
20060912ACJ
 12   NEW_DTV REYNOSA TA (DTV)   353.2 APP   USERRECORD01

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Analysis of Interference to Affected Station 14

Analysis of current record
Channel   Call   City/State   Application Ref. No.
   12   NEW_DTV   REYNOSA TA (DTV)   USERRECORD-01

Stations Potentially Affecting This Station

Chan   Call   City/State   Dist(km) Status Application Ref. No.
 12   KBMT   BEAUMONT TX   626.9 CP MOD BMPCDT   -
20080616AEJ
 12   KBMT   BEAUMONT TX   626.9 LIC   BLCDT   -
20090610ACH
 12   KAMU-TV COLLEGESTATION/BRYAN TX   538.8 LIC   BLEDT   -
20030319AFB
 12   KSAT-TV SAN ANTONIO TX   353.2 PLN   DTVPLN   -
DTVP0392
 12   KSAT-TV SAN ANTONIO TX   353.2 APP   BPCDT   -
20110224AAL
 13   KRIS-TV CORPUS CHRISTI TX   195.3 LIC   BLCDT   -
20060628ABC
 13   KVTV   LAREDO TX   200.9 LIC   BLCDT   -
20090619ABP
 13   KRGV-TV WESLACO TX   44.1 LIC   BLCDT   -
20020904AAR

 Total scenarios =   1

Result key: 1
Scenario   1 Affected station   14
Before Analysis

Results for: 12A TA REYNOSA   USERRECORD01   APP
   HAAT 610.0 m, ATV ERP   30.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour   0   47849.6
   not affected by terrain losses   0   47072.4
   lost to NTSC IX   0   0.0
   lost to additional IX by ATV   0   1430.3

```
   lost to ATV IX only                    0       1430.3
   lost to all IX                         0       1430.3

 Potential Interfering Stations Included in above Scenario     1

13A TX WESLACO              BLCDT     20020904AAR  LIC

After Analysis

Results for: 12A TA REYNOSA              USERRECORD01           APP
   HAAT  610.0 m, ATV ERP   30.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour           0      47849.6
   not affected by terrain losses         0      47072.4
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV           0       1594.6
   lost to ATV IX only                    0       1594.6
   lost to all IX                         0       1594.6

 Potential Interfering Stations Included in above Scenario     1

13A TX WESLACO              BLCDT     20020904AAR  LIC
12A TX SAN ANTONIO          BPCDT     20110224AAL  APP

Percent new IX =    0.3600%  (BASED ON AREA)

Worst case new IX    0.3600% Scenario      1

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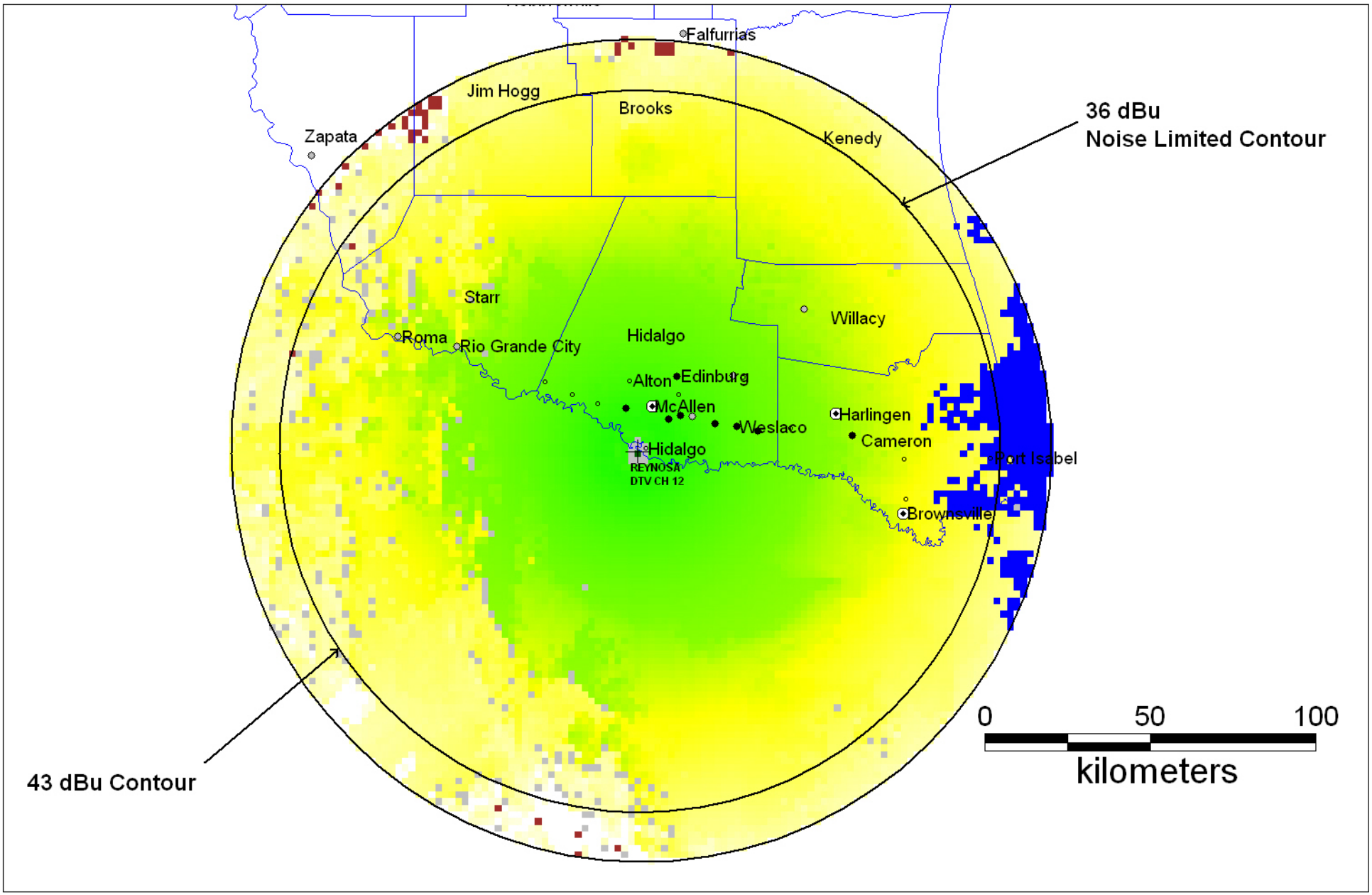

Channel 12 Reynosa, TAM, Mexico
Assumed Digital Operation: ERP 30 kW HAAT 610 m

Blue indicates areas of predicted existing interference
Brown indicates areas of predicted new interference from KSAT
Gray indicates areas of assumed service due to Longley-Rice Error Flags

Green indicates high field strength fading to yellow and then to white at the noise limited threshold