

FIGURE 1 (3 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/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-25-2011 Time: 11:08:09

Record Selected for Analysis

SANANT USERRECORD-01 SAN ANTONIO2 TX US
Channel 42 ERP 1. kW HAAT 164. m RCAMSL 00494 m STRINGENT MASK
Latitude 029-41-06 Longitude 0098-26-59
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	1.000	121.9	31.0	
45.0	1.000	142.3	32.3	
90.0	1.000	195.6	35.5	
135.0	1.000	211.1	36.4	
180.0	1.000	225.2	37.2	
225.0	1.000	166.7	33.9	
270.0	1.000	112.9	30.3	
315.0	1.000	136.8	32.0	

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 = 223.1km

Proposed station is OK toward AM broadcast stations

Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	KEYE-TV	AUSTIN TX	BLCDT	-20031001BGN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	KDTN	DENTON TX	259.6	LIC	BLEDT	-20040301AAH
44	KWKT-TV	WACO TX	119.4	CP MOD	BMPCDT	-20090220ABU
42	SANANT	SAN ANTONIO2 TX	94.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 26
Before Analysis

Results for: 43A TX AUSTIN BLCDT 20031001BGN LIC

HAAT 395.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1910910	32386.7
not affected by terrain losses	1880850	31622.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	46158	358.3
lost to ATV IX only	46158	358.3
lost to all IX	46158	358.3

Potential Interfering Stations Included in above Scenario 1

43A TX DENTON	BLEDT	20040301AAH	LIC
44A TX WACO	BMPCDT	20090220ABU	CP

After Analysis

Results for: 43A TX AUSTIN BLCDT 20031001BGN LIC
 HAAT 395.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1910910	32386.7
not affected by terrain losses	1880850	31622.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	107351	814.7
lost to ATV IX only	107351	814.7
lost to all IX	107351	814.7

Potential Interfering Stations Included in above Scenario 1

43A TX DENTON	BLEDT	20040301AAH	LIC
44A TX WACO	BMPCDT	20090220ABU	CP
42A TX SAN ANTONIO2	USERRECORD01		APP

The following station failed the de minimis interference criteria.

42D TX SAN ANTONIO2 USERRECORD01
 ERP 1.00 kW HAAT 164.0 m RCAMSL 494.0 m
 Antenna none

Due to interference to the following station and scenario: 1

43D TX AUSTIN BLCDT 20031001BGN
 ERP 1000.00 kW HAAT 395.0 m RCAMSL 616.0 m
 Antenna CDB 00000000060307

Percent new interference from proposal: 3.3353 to BLCDT 20031001BGN

Worst case new IX 3.3353% Scenario 1

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