

TV INTERFERENCE and SPACING ANALYSIS PROGRAM SUMMARY  
(Full Report Below)

Date: 10-26-2006 Time: 12:41:29  
USERRECORD-01 US  
Channel 07 ERP 0.7 kW HAAT 202. m RCAMSL 00396 m  
Latitude 036-21-00 Longitude 0092-24-12  
Status APP Zone 2 Border Offset Z  
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

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Station Evaluations Are Worst Case Scenarios  
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Ch	Call	City, St	File No.		
07	KATV	LITTLE ROCK AR	BPCT	-20050308ABM	OK
07	KATV	LITTLE ROCK AR	BLCT	-1499	OK
07			USERRECORD-01	Less than 0.5 %	OK

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Census data selected: 1990  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-26-2006 Time: 12:41:29

Record Selected for Analysis

USERRECORD-01 US  
Channel 07 ERP 0.7 kW HAAT 202. m RCAMSL 00396 m  
Latitude 036-21-00 Longitude 0092-24-12  
Status APP Zone 2 Border Offset Z  
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

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	68.0 dBu F(50, 50) (km)
0.0	0.700	150.5	15.6
45.0	0.700	202.2	18.3
90.0	0.700	182.5	17.4
135.0	0.700	146.2	15.3
180.0	0.700	175.5	17.0
225.0	0.700	181.3	17.3
270.0	0.700	188.6	17.7
315.0	0.700	134.1	14.6

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Contour overlap to station  
KATV 7 LITTLE ROCK AR BPCT 20050308ABM

Contour overlap to station  
KATV 7 LITTLE ROCK AR BLCT 1499

Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Station inside contour of station  
K07XL 7 MOUNTAIN HOME AR BLTVL 20030815ABW

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station  
K07XL 7 MOUNTAIN HOME AR BLTVL20030815ABW

Is inside contour of station  
7

USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

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

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Start of Interference Analysis

Channel	Proposed Station	ARN
07	Call City/State	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KATV	LITTLE ROCK AR	209.4	CP	BPCT	-20050308ABM
07	KATV	LITTLE ROCK AR	209.4	LIC	BLCT	-1499

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Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
07	KATV	LITTLE ROCK AR	DTVPLN	-NPLN0457

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOAMTV	PITTSBURG KS	379.7	PLN	DTVPLN	-NPLN0474
07	WBBJTV	JACKSON TN	344.6	PLN	DTVPLN	-NPLN0502
07	KLTV	TYLER TX	352.7	PLN	DTVPLN	-NPLN0507
07	DNCE	BIRCH TREE MO	287.2	PLN	DTVPLN	-NPLN0515
08	KAITTV	JONESBORO AR	194.9	PLN	DTVPLN	-NPLN0518

Results for:	7N AR LITTLE ROCK	DTVPLN	NPLN0457	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		990278	44332.7	
not affected by terrain losses		962128	41397.6	
lost to NTSC IX		27526	2882.1	
lost to additional IX by ATV		0	0.0	
lost to all IX		27526	2882.1	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KATV	LITTLE ROCK AR	BPCT	-20050308ABM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOAM-TV	PITTSBURG KS	379.7	LIC	BLCT	-2279
07	KNOE-TV	MONROE LA	253.3	LIC	BLCDDT	-20050125AKZ
07	KNOETV	MONROE LA	253.4	LIC	BPRM	-20000328AAI
07	WBBJ-TV	JACKSON TN	344.6	LIC	BMLCT	-20030627AAG
07	KLTV	TYLER TX	352.7	LIC	BMLCT	-20051104ADS
07	KLTV	TYLER TX	369.3	APP	BSTA	-20060217AAR

08 KAIT JONESBORO AR 194.9 LIC BMLCT -20030729AGS  
 07 209.4 APP USERRECORD-01  
 Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KATV	LITTLE ROCK AR	BLCT	-1499

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOAM-TV	PITTSBURG KS	379.7	LIC	BLCT	-2279
07	KNOE-TV	MONROE LA	253.3	LIC	BLCDT	-20050125AKZ
07	KNOETV	MONROE LA	253.4	LIC	BPRM	-20000328AAI
07	WBBJ-TV	JACKSON TN	344.6	LIC	BMLCT	-20030627AAG
07	KLTV	TYLER TX	352.6	LIC	BMLCT	-20051104ADS
07	KLTV	TYLER TX	369.2	APP	BSTA	-20060217AAR
08	KAIT	JONESBORO AR	194.9	LIC	BMLCT	-20030729AGS
07			209.4	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.
07			USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KATV	LITTLE ROCK AR	209.4	CP	BPCT	-20050308ABM
07	KOAM-TV	PITTSBURG KS	226.8	LIC	BLCT	-2279
07	KMBC-TV	KANSAS CITY MO	356.1	LIC	BLCDT	-20020424AAP
07	KMBCTV	KANSAS CITY MO	356.1	LIC	BPRM	-20000417AAA
07	K07SD	ROLLA MO	187.5	LIC	BLTTV	-20040318ACJ
07	WBBJ-TV	JACKSON TN	342.9	LIC	BMLCT	-20030627AAG

Total scenarios = 1

Result key: 1  
 Scenario 1 Affected station 3  
 Before Analysis

Results for:	7N	USERRECORD01	APP
		POPULATION	AREA (sq km)
within Noise Limited Contour		29027	878.6
not affected by terrain losses		28995	868.8
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

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