

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-28-2003 Time: 17:20:18

Record Selected for Analysis

K07XL USERRECORD-01 MOUNTAIN HOME AR US  
Channel 07 ERP 0.585 kW HAAT 215. m RCAMSL 00402 m  
Latitude 036-20-56 Longitude 0092-23-57  
Status APP Zone 2 Border Offset Z  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 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	0.585	160.0	15.4
45.0	0.585	214.6	18.1
90.0	0.585	192.1	17.0
135.0	0.585	149.4	14.8
180.0	0.585	187.7	16.8
225.0	0.585	185.2	16.7
270.0	0.585	195.2	17.2
315.0	0.585	141.5	14.4

Evaluation from Class A Station

Contour overlap to station

KATV 7 LITTLE ROCK AR BLCT 1499

Contour Overlap Evaluation from Class A Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

No Spacing violations or contour overlap from LPTV station

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station  
KATV 7 LITTLE ROCK AR BLCT1499 causes

Contour overlap to Class A station

K07XL 7 MOUNTAIN HOME AR USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountian

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

Proposed Station  
Channel Call City/State ARN  
07 K07XL MOUNTAIN HOME AR USERRECORD01

Stations Potentially Affected by Proposed Station

Chan Call City/State Dist(km) Status Application Ref. No.  
07 KATV LITTLE ROCK AR 209.3 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	990100	44299.4
not affected by terrain losses	963171	41426.5
lost to NTSC IX	22287	2832.5
lost to additional IX by ATV	0	0.0
lost to all IX	22287	2832.5

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	KNOETV	MONROE LA	253.4	LIC	BPRM	-20000328AAI
07	KNOE-TV	MONROE LA	253.3	CP	BPCDT	-20001024ABE
07	WBBJ-TV	JACKSON TN	344.6	LIC	BMLCT	-19951204KE
07	KLTV	TYLER TX	352.7	LIC	BLCT	-19841121KK
08	KAIT-TV	JONESBORO AR	194.9	LIC	BLCT	-19811013KJ
07	K07XL	MOUNTAIN HOME AR	209.3	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	K07XL	MOUNTAIN HOME AR	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KATV	LITTLE ROCK AR	209.3	LIC	BLCT	-1499
07	KOAM-TV	PITTSBURG KS	227.1	LIC	BLCT	-2279
07	KMBCTV	KANSAS CITY MO	356.4	LIC	BPRM	-20000417AAA
07	KMBC-TV	KANSAS CITY MO	356.4	LIC	BLCDT	-20020424AAP
07	K07SD	ROLLA MO	187.5	CP	BMJPTTV	-20000821ABJ
07	WBBJ-TV	JACKSON TN	342.6	LIC	BMLCT	-19951204KE

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 2  
Before Analysis

Results for: 7N AR MOUNTAIN HOME USERRECORD01 APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	28439	830.5
not affected by terrain losses	28439	830.5
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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