

47ph150.TXT
TV INTERFERENCE and SPACING ANALYSIS PROGRAM SUMMARY
(Full Report Available Upon Request)

Date: 05-16-2004 Time: 14:01:39

USERRECORD-01

US

Channel 47 ERP 150. kW HAAT 998. m RCAMSL 02345 m

Latitude 034-14-03 Longitude 0112-22-03

Status APP Zone 2 Border Offset +

Dir Antenna Make CDB Model 00000000018059 Beam tilt N Ref Azimuth 0.

Station Evaluations Are Worst Case Senarios				vvv	Population		vvv
Ch Call	City, St	File No.		Within Contour	Lost To Before	Lost To After	%Lost After
33 KTVW-TV	PHOENIX AZ	BLCT	-19971110KF	Proposal causes no interference			
47 K47IK	CAMP VERDE AZ	BLTT	-20030822ADJ	Proposal causes no interference			
47 KUVE-TV	GREEN VALLEY AZ	BPCDT	-20000501AEM	893161	0	2393	0.27
47 K47GQ	PARKS, ETC. AZ	BLTT	-20030305AAF	Proposal causes no interference			
47 K47DJ	PRESCOTT AZ	BLTT	-19910129ID	Proposal causes no interference			
47 NEW	TACNA AZ	BNPTTL	-20000831BMR	Proposal causes no interference			

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-16-2004 Time: 14:01:39

Record Selected for Analysis

USERRECORD-01 US
 Channel 47 ERP 150. kW HAAT 998. m RCAMSL 02345 m
 Latitude 034-14-03 Longitude 0112-22-03
 Status APP Zone 2 Border Offset +
 Dir Antenna Make CDB Model 00000000018059 Beam tilt N Ref Azimuth 0.
 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)	74.0 dBu F(50,50) (km)
0.0	142.537	600.7	52.4
45.0	15.778	838.9	41.0
90.0	0.128	997.8	12.5
135.0	4.447	499.6	26.4
180.0	38.934	868.1	48.0
225.0	96.222	869.1	54.9
270.0	13.624	978.1	42.0
315.0	16.635	872.7	41.9

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

Contour overlap to station

KTVW-TV 33 PHOENIX AZ BLCT 19971110KF

Contour overlap to station

KUVE-TV 47 GREEN VALLEY AZ BPCDT 20000501AEM

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

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

K47IK 47 CAMP VERDE AZ BLTT 20030822ADJ

Contour overlap to station			
K47GQ	47 PARKS, ETC.	AZ BLTT	20030305AAF
Contour overlap to station			
K47DJ	47 PRESCOTT	AZ BLTT	19910129ID
Contour overlap to station			
NEW	47 TACNA	AZ BNPTTL	20000831BMR

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station			
K18DD	46 CAMP VERDE	AZ BPTTL20020108AAX	causes

Contour overlap to station	
47	USERRECORD01

Station			
K47IK	47 CAMP VERDE	AZ BLTT20030822ADJ	causes

Contour overlap to station	
47	USERRECORD01

Station			
K47DJ	47 PRESCOTT	AZ BLTT19910129ID	

Is inside contour of station	
47	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 Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is within the Mexican coordination distance
Distance to border = 258.0km

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Proposed Station			
Channel	Call	City/State	ARN

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KTVW-TV	PHOENIX AZ	104.0	LIC	BLCT	-19971110KF
47	K47IK	CAMP VERDE AZ	52.5	LIC	BLTT	-20030822ADJ
47	KUVE-TV	GREEN VALLEY AZ	253.8	CP	BPCDT	-20000501AEM
47	K47GQ	PARKS, ETC. AZ	108.4	LIC	BLTT	-20030305AAF
47	K47DJ	PRESCOTT AZ	32.3	LIC	BLTT	-19910129ID
47	NEW	TACNA AZ	139.0	APP	BNPTTL	-20000831BMR

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Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
33	KTVWTV	PHOENIX AZ	DTVPLN	-NPLN1442

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KUTP-DT	PHOENIX AZ	0.4	PLN	DTVPLN	-DTVP0629
29	KAET-DT	PHOENIX AZ	0.1	PLN	DTVPLN	-DTVP0736
31	KSAZ-DT	PHOENIX AZ	0.1	PLN	DTVPLN	-DTVP0812
32	KOLD-DT	TUCSON AZ	149.5	PLN	DTVPLN	-DTVP0853
33	KFBT	LAS VEGAS NV	398.1	PLN	DTVPLN	-NPLN1454
33	DNCE	SILVER CITY NM	358.1	PLN	DTVPLN	-NPLN1465
34	KTVW-DT	PHOENIX AZ	0.0	PLN	DTVPLN	-DTVP0925
36	KPNX-DT	MESA AZ	0.1	PLN	DTVPLN	-DTVP1002
40	KHRR	TUCSON AZ	149.5	PLN	DTVPLN	-NPLN1577

Results for: 33N AZ PHOENIX	DTVPLN	NPLN1442	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2211234	22539.2	
not affected by terrain losses	2194788	17533.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	20219	221.8	
lost to all IX	20219	221.8	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	KTVW-TV	PHOENIX AZ	BLCT	-19971110KF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KUTP	PHOENIX AZ	0.4	CP	BPCDT	-19990809LC
26	KUTP-DT	PHOENIX AZ	0.4	PLN	DTVPLN	-DTVP0629
29	KAET	PHOENIX AZ	0.1	LIC	BLEDT	-20020405ABD
29	KAET-DT	PHOENIX AZ	0.1	PLN	DTVPLN	-DTVP0736
31	KSAZ-DT	PHOENIX AZ	0.1	PLN	DTVPLN	-DTVP0812
32	KCFG	FLAGSTAFF AZ	188.8	CP	BPCDT	-19991004ABK
32	KOLD-TV	TUCSON AZ	162.1	LIC	BLCDDT	-20030911AAI
32	KOLD-DT	TUCSON AZ	149.5	PLN	DTVPLN	-DTVP0853
33	KFBT	LAS VEGAS NV	398.1	LIC	BLCT	-19890810KE
34	KTVW-TV	PHOENIX AZ	0.0	LIC	BLCDDT	-20020819ABN

34	KTVW-DT	PHOENIX AZ	0.0	PLN	DTVPLN	-DTVP0925
36	KPNX-DT	MESA AZ	0.1	PLN	DTVPLN	-DTVP1002
36	KPNX	MESA AZ	0.1	CP MOD	BMPCDT	-20000501ACV
40	KHRR	TUCSON AZ	149.5	LIC	BMLCT	-20000927ABJ
47			104.0	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.
47	K47IK	CAMP VERDE AZ	BLTT -20030822ADJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KDTP	PHOENIX AZ	127.5	CP	BPEDT -20000501AHL
46	K18DD	CAMP VERDE AZ	32.9	CP	BPTTL -20020108AAX
47	KXGR-DT	GREEN VALLEY AZ	252.4	PLN	DTVPLN -DTVP1351
47	KUVE-TV	GREEN VALLEY AZ	252.4	CP	BPCDT -20000501AEM
47	K47GQ	PARKS, ETC. AZ	86.6	LIC	BLTT -20030305AAF
47	K47DJ	PRESCOTT AZ	60.6	LIC	BLTT -19910129ID
49	KASW-DT	PHOENIX AZ	127.5	PLN	DTVPLN -DTVP1410
49	KASW	PHOENIX AZ	127.5	CP MOD	BMPCDT -20020531AAR
61	KASW	PHOENIX AZ	127.5	LIC	BLCT -19951013KF
47			52.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 3

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
47	KXGR-DT	GREEN VALLEY AZ	DTVPLN -DTVP1351

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KXGR	GREEN VALLEY AZ	0.0	PLN	DTVPLN -NPLN1694
47	KZIA-DT	LAS CRUCES NM	402.1	PLN	DTVPLN -DTVP1366

Results for: 47A AZ GREEN VALLEY DTVPLN DTVP1351 PLN

HAAT 1095.0 m, ATV ERP 72.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	807619	38508.7
not affected by terrain losses	632721	26016.2
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

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	PHOENIX AZ	162.0	PLN	DTVPLN	-NPLN1557
42	KHRR-DT	TUCSON AZ	41.9	PLN	DTVPLN	-DTVP1182
43	NEW	COOLIDGE AZ	110.9	PLN	DTVPLN	-NPLN1634
44	KWBA-DT	SIERRA VISTA AZ	73.3	PLN	DTVPLN	-DTVP1253
45	KUTPTV	PHOENIX AZ	161.7	PLN	DTVPLN	-NPLN1677
47	KXGR-DT	GREEN VALLEY AZ	0.0	PLN	DTVPLN	-DTVP1351
61	KASW	PHOENIX AZ	161.9	PLN	DTVPLN	-NPLN1920

Results for: 46N AZ GREEN VALLEY DTVPLN NPLN1694 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	807619	38504.7
not affected by terrain losses	614201	24284.0
lost to NTSC IX	317	302.1
lost to additional IX by ATV	49	8.1
lost to all IX	366	310.2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	KUVE-TV	GREEN VALLEY AZ	BPCDT	-20000501AEM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	KUVE-TV	GREEN VALLEY AZ	0.0	LIC	BLCT	-20001221ABN
47	KZIA-DT	LAS CRUCES NM	402.1	PLN	DTVPLN	-DTVP1366
47			253.8	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 47A AZ GREEN VALLEY BPCDT 20000501AEM CP

HAAT 1095.0 m, ATV ERP 660.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	893161	57298.8
not affected by terrain losses	698164	40079.3
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: 47A AZ GREEN VALLEY BPCDT 20000501AEM CP

HAAT 1095.0 m, ATV ERP 660.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	893161	57298.8
not affected by terrain losses	698164	40079.3
lost to NTSC IX	2393	435.1

lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	2393	435.1

Potential Interfering Stations Included in above Scenario 1

47N USERRECORD01 APP

Result key: 2
 Scenario 2 Affected station 3
 Before Analysis

Results for: 47A AZ GREEN VALLEY BPCDT 20000501AEM CP
 HAAT 1095.0 m, ATV ERP 660.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	893161	57298.8
not affected by terrain losses	698164	40079.3
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 2

After Analysis

Results for: 47A AZ GREEN VALLEY BPCDT 20000501AEM CP
 HAAT 1095.0 m, ATV ERP 660.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	893161	57298.8
not affected by terrain losses	698164	40079.3
lost to NTSC IX	2393	435.1
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	2393	435.1

Potential Interfering Stations Included in above Scenario 2

47N USERRECORD01 APP

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	K47GQ	PARKS, ETC. AZ	BLTT	-20030305AAF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	K47IK	CAMP VERDE AZ	86.6	LIC	BLTT	-20030822ADJ
47	KXGR-DT	GREEN VALLEY AZ	338.7	PLN	DTVPLN	-DTVP1351
47	KUVE-TV	GREEN VALLEY AZ	338.7	CP	BPCDT	-20000501AEM
47	K47DJ	PRESCOTT AZ	84.4	LIC	BLTT	-19910129ID
47	NEW	TACNA AZ	216.3	APP	BNPTTL	-20000831BMR
47			108.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	K47DJ	PRESCOTT AZ	BLTT -19910129ID

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KDTP	PHOENIX AZ	135.7	CP	BPEDT -20000501AHL
46	K18DD	CAMP VERDE AZ	44.0	CP	BPTTL -20020108AAX
47	K47IK	CAMP VERDE AZ	60.6	LIC	BLTT -20030822ADJ
47	KXGR-DT	GREEN VALLEY AZ	285.7	PLN	DTVPLN -DTVP1351
47	KUVE-TV	GREEN VALLEY AZ	285.7	CP	BPCDT -20000501AEM
47	K47GQ	PARKS, ETC. AZ	84.4	LIC	BLTT -20030305AAF
49	KASW-DT	PHOENIX AZ	135.7	PLN	DTVPLN -DTVP1410
49	KASW	PHOENIX AZ	135.7	CP MOD	BMPCDT -20020531AAR
61	KASW	PHOENIX AZ	135.7	LIC	BLCT -19951013KF
47			32.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	NEW	TACNA AZ	BNPTTL -20000831BMR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KXGR-DT	GREEN VALLEY AZ	317.7	PLN	DTVPLN -DTVP1351
47	KUVE-TV	GREEN VALLEY AZ	317.7	CP	BPCDT -20000501AEM
47	K47GQ	PARKS, ETC. AZ	216.3	LIC	BLTT -20030305AAF
47	K54AI	TWENTYNINE PALMS,ETC CA	207.4	CP	BMJPTT -20000831CHJ
48	KECY-TV	EL CENTRO CA	125.0	APP	BPCDT -19991101AHI
48	KECY-DT	EL CENTRO CA	125.0	PLN	DTVPLN -DTVP1381
50	KAJB	CALIPATRIA CA	125.3	APP	BPCDT -19991101AEM
50	KAJB-DT	CALIPATRIA CA	125.0	PLN	DTVPLN -DTVP1439
47			139.0	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			USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	KDTP	PHOENIX AZ	104.0	CP	BPEDT	-20000501AHL
45	KUTP	PHOENIX AZ	104.1	CP	BPCT	-19960722KF
46	K18DD	CAMP VERDE AZ	55.4	CP	BPTTL	-20020108AAX
47	K47IK	CAMP VERDE AZ	52.5	LIC	BLTT	-20030822ADJ
47	KXGR-DT	GREEN VALLEY AZ	253.8	PLN	DTVPLN	-DTVP1351
47	KUVE-TV	GREEN VALLEY AZ	253.8	CP	BPCDT	-20000501AEM
47	K47GQ	PARKS, ETC. AZ	108.4	LIC	BLTT	-20030305AAF
47	K47DJ	PRESCOTT AZ	32.3	LIC	BLTT	-19910129ID
47	NEW	TACNA AZ	139.0	APP	BNPTTL	-20000831BMR
49	KASW-DT	PHOENIX AZ	104.0	PLN	DTVPLN	-DTVP1410
49	KASW	PHOENIX AZ	104.0	CP MOD	BMPCDT	-20020531AAR
51	KPPX	TOLLESON AZ	104.0	CP MOD	BMPCT	-19960710KE
61	KASW	PHOENIX AZ	104.0	LIC	BLCT	-19951013KF

Total scenarios = 2

Result key: 3
Scenario 1 Affected station 7
Before Analysis

Results for: 47N	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	62169	5182.3
not affected by terrain losses	19258	3608.1
lost to NTSC IX	321	407.6
lost to additional IX by ATV	57	355.6
lost to all IX	378	763.2

Potential Interfering Stations Included in above Scenario 1

47N AZ PRESCOTT	BLTT	19910129ID	LIC
47A AZ GREEN VALLEY	DTVPLN	DTVP1351	PLN

Result key: 4
Scenario 2 Affected station 7
Before Analysis

Results for: 47N	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	62169	5182.3
not affected by terrain losses	19258	3608.1
lost to NTSC IX	321	407.6
lost to additional IX by ATV	1837	547.4
lost to all IX	2158	955.0

Potential Interfering Stations Included in above Scenario 2

47N AZ PRESCOTT	BLTT	19910129ID	LIC
47A AZ GREEN VALLEY	BPCDT	20000501AEM	CP

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