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ENGINEERING REPORT

Obidia Porras
K67HK, St. George, UT: Analog Displacement to channel 6(z)

EXHIBIT 8

LPTV DISPLACEMENT MINOR MODIFICATION – INTERFERENCE STUDIES

1. Obidia Porras ("Applicant") is the assignee of a pending assignment application for K67HK, St. George, UT, analog channel 67. By this analog displacement modification application, Applicant proposes to operate K67HK on channel 6(z). Because K67HK currently operates out of core, it qualifies for channel displacement relief pursuant to 47 CFR Section 73.3572(a)(4)(ii).

2. A slight correction to the site coordinates are also being made in order to match the support structure's antenna structure registration (ASR #1205236).

3. Mexican coordination for this application is not required.

4. Attached as Figure 1 are the OET-69 study results for the proposed facility (as the referenced station) as determined on a Sun Computer using a Solaris (Unix-based) operating system and using the same OET-69 software as developed for use by the FCC. (According to the software developer, the program used herein provides identical results as the FCC's OET-69 processing program.) Except for those stations also licensed, authorized or proposed by the applicant, or those stations that have consented to predicted interference from this proposal, the proposed facility adequately protects all US broadcast stations as required by the FCC Rules. All studies are conducted in accordance with current FCC Rules and Regulations.

5. The applicant accepts any interference that is predicted to exist to the proposed facility by any licensed, authorized or previously proposed primary TV station. The applicant also accepts any interference that is predicted to exist to the proposed facility by any licensed or authorized secondary TV station, or by any secondary TV facility that is given preferential status by the FCC over the Applicant's herein proposed facility.

FIGURE 1—OET-69 STUDY: K67HK, ST. GEORGE, UT (CH 6 Z) DISPLACEMENT

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-17-2008 Time: 10:34:24

Record Selected for Analysis

K67HK USERRECORD-01 SAINT GEORGE UT US
Channel 06 ERP 0.35 kW HAAT 114. m RCAMSL 00959 m
Latitude 037-03-49 Longitude 0113-34-20
Status APP Zone 2 Border Offset Z
Last update Cutoff date Docket
Comments
Applicant

Census data selected: 1990

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)	62.0 dBu F(50,50) (km)
0.0	0.350	33.0	7.2
45.0	0.350	114.4	13.3
90.0	0.350	33.0	7.2
135.0	0.350	87.5	11.7
180.0	0.350	75.7	11.0
225.0	0.350	105.5	12.8
270.0	0.350	33.0	7.2
315.0	0.350	100.4	12.5

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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FIGURE 1—OET-69 STUDY: K67HK, ST. GEORGE, UT (CH 6 Z) DISPLACEMENT

Start of Interference Analysis

Channel	Call	City/State	ARN
	Proposed Station		
06	K67HK	SAINT GEORGE UT	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
06	K06DM	PANACA NV	90.5	LIC	BLTTV	-19960826JA
06	K06OB	CANE BEDS,AZ/HILLDAL UT	30.6	LIC	BLTTV	-20060213ABO
06	K06JA	CEDAR CANYON UT	87.1	LIC	BLTTV	-4992
06	K06KO	KANARRAVILLE, ETC. UT	57.3	LIC	BLTTV	-20061219ABF
06	K06FM	LONG VALLEY JUNCTION UT	106.1	LIC	BLTTV	-4596
06	K06OG	ST GEORGE UT	4.7	CP	BNPTVL	-20000831BOH

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	K06DM	PANACA NV	BLTTV	-19960826JA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	K05AR	ROCKVILLE UT	131.4	CP	BDFCDTV	-20080806AAW
06	KMOH-TV	KINGMAN AZ	269.9	LIC	BLCT	-20020627AAL
06	KBNY	CALIENTE NV	36.2	ADD	BPRM	-20000717ABW
06	K06HT	ELY NV	204.0	LIC	BLTTV	-19771103IA
06	KBNY	ELY NV	204.1	CP MOD	BMPCT	-20050811ACP
06	DK06KE	INDIAN SPRINGS NV	141.2	LIC	BLTTV	-19810325JE
06	KVPX-LP	LAS VEGAS NV	168.3	CP	BDCCDTL	-20061005ABD
06	DK06IT	MERCURY, ETC. NV	162.5	LIC	BLTTV	-4785
06	K06OB	CANE BEDS,AZ/HILLDAL UT	82.3	LIC	BLTTV	-20060213ABO
06	K06JA	CEDAR CANYON UT	142.9	LIC	BLTTV	-4992
06	K06KO	KANARRAVILLE, ETC. UT	111.3	LIC	BLTTV	-20061219ABF
06	K06FM	LONG VALLEY JUNCTION UT	172.6	LIC	BLTTV	-4596
06	K06BQ	RICHFIELD, ETC. UT	247.9	LIC	BLTTV	-19961217JA
06	KBCJ	SANTAQUIN UT	334.5	ADD	BPRM	-20000717ACF
06	K06OG	ST GEORGE UT	94.3	CP	BNPTVL	-20000831BOH
06	K67HK	SAINT GEORGE UT	90.5	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.
06	K06OB	CANE BEDS,AZ/HILLDAL UT	BLTTV	-20060213ABO

FIGURE 1—OET-69 STUDY: K67HK, ST. GEORGE, UT (CH 6 Z) DISPLACEMENT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	K05AR	ROCKVILLE UT	78.0	CP	BDFCDTV	-20080806AAW
06	KMOH-TV	KINGMAN AZ	213.0	LIC	BLCT	-20020627AAL
06	KTVP-LD	PHOENIX AZ	401.1	CP	BDCCDTL	-20061005ABF
06	KBNY	CALIENTE NV	113.4	ADD	BPRM	-20000717ABW
06	KBNY	ELY NV	277.8	CP MOD	BMPCT	-20050811ACP
06	DK06KE	INDIAN SPRINGS NV	162.2	LIC	BLTTV	-19810325JE
06	KVPX-LP	LAS VEGAS NV	143.4	CP	BDCCDTL	-20061005ABD
06	DK06IT	MERCURY, ETC. NV	191.6	LIC	BLTTV	-4785
06	K06DM	PANACA NV	82.3	LIC	BLTTV	-19960826JA
06	K06JA	CEDAR CANYON UT	117.5	LIC	BLTTV	-4992
06	K06KO	KANARRAVILLE, ETC. UT	86.6	LIC	BLTTV	-20061219ABF
06	K06FM	LONG VALLEY JUNCTION UT	136.4	LIC	BLTTV	-4596
06	K06BQ	RICHFIELD, ETC. UT	248.7	LIC	BLTTV	-19961217JA
06	KBCJ	SANTAQUIN UT	355.9	ADD	BPRM	-20000717ACF
06	K06OG	ST GEORGE UT	34.7	CP	BNPTVL	-20000831BOH
06	K67HK	SAINT GEORGE UT	30.6	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.
06	K06JA	CEDAR CANYON UT	BLTTV	-4992

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	K05HB	CEDAR CITY UT	16.1	LIC	BLTTV	-20040818ABF
05	K05DU	ORDERVILLE UT	41.3	LIC	BLTTV	-3383
05	K05BB	PANGUITCH UT	42.7	LIC	BLTTV	-4429
05	K05AR	ROCKVILLE UT	52.2	CP	BDFCDTV	-20080806AAW
05	K05CP	TOQUERVILLE UT	52.1	LIC	BLTTV	-1144
06	KMOH-TV	KINGMAN AZ	315.9	LIC	BLCT	-20020627AAL
06	K06JF	CORTEZ CO	407.5	CP	BDFCDTT	-20060324AAJ
06	KBNY	CALIENTE NV	146.1	ADD	BPRM	-20000717ABW
06	KBNY	ELY NV	256.3	CP MOD	BMPCT	-20050811ACP
06	KVPX-LP	LAS VEGAS NV	260.8	CP	BDCCDTL	-20061005ABD
06	K06DM	PANACA NV	142.9	LIC	BLTTV	-19960826JA
06	K06OB	CANE BEDS,AZ/HILLDAL UT	117.5	LIC	BLTTV	-20060213ABO
06	K06FL	FISH LAKE RESORT UT	143.3	LIC	BLTTV	-4131
06	K06KO	KANARRAVILLE, ETC. UT	33.3	LIC	BLTTV	-20061219ABF
06	K06IG	KOOSHAREM UT	133.3	LIC	BLTTV	-4279
06	K06BS	LOA, ETC. UT	133.5	LIC	BLTTV	-3916
06	K06FM	LONG VALLEY JUNCTION UT	32.1	LIC	BLTTV	-4596
06	K06NR	NAVAJO MTN.SCH.,ETC. UT	195.5	LIC	BLTTV	-20060222ABF
06	K06BQ	RICHFIELD, ETC. UT	134.3	LIC	BLTTV	-19961217JA
06	KBCJ	SANTAQUIN UT	249.9	ADD	BPRM	-20000717ACF
06	K06DH	SCIPIO,HOLDEN UT	188.1	LIC	BLTTV	-3011
06	K06OG	ST GEORGE UT	83.4	CP	BNPTVL	-20000831BOH

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 06   K67HK    SAINT GEORGE UT            87.1  APP    USERRECORD-01
 Proposal causes no interference

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     Analysis of Interference to Affected Station   4


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      K06KO      KANARRAVILLE, ETC. UT     BLTTV     -20061219ABF

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   K05HB    CEDAR CITY UT              22.7  LIC    BLTTV     -20040818ABF
 05   K05AR    ROCKVILLE UT               40.3  CP     BDFCDTV   -20080806AAW
 05   K05CP    TOQUERVILLE UT             24.7  LIC    BLTTV     -1144
 06   KMOH-TV  KINGMAN AZ                292.0  LIC    BLCT      -20020627AAL
 06   KBNY     CALIENTE NV               118.6  ADD    BPRM      -20000717ABW
 06   KBNY     ELY NV                    246.3  CP MOD BMPCT     -20050811ACP
 06   KVPX-LP  LAS VEGAS NV              229.8  CP     BDCCDTL   -20061005ABD
 06   K06DM    PANACA NV                 111.3  LIC    BLTTV     -19960826JA
 06   K06OB    CANE BEDS,AZ/HILLDAL UT    86.6  LIC    BLTTV     -20060213ABO
 06   K06JA    CEDAR CANYON UT            33.3  LIC    BLTTV     -4992
 06   K06FL    FISH LAKE RESORT UT       174.2  LIC    BLTTV     -4131
 06   K06IG    KOOSHAREM UT              164.0  LIC    BLTTV     -4279
 06   K06BS    LOA, ETC. UT              165.3  LIC    BLTTV     -3916
 06   K06FM    LONG VALLEY JUNCTION UT    61.3  LIC    BLTTV     -4596
 06   K06BQ    RICHFIELD, ETC. UT        162.2  LIC    BLTTV     -19961217JA
 06   KBCJ     SANTAQUIN UT              272.5  ADD    BPRM      -20000717ACF
 06   K06OG    ST GEORGE UT               54.4  CP     BNPTVL    -20000831BOH
 06   K67HK    SAINT GEORGE UT            57.3  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.
   06      K06FM      LONG VALLEY JUNCTION UT   BLTTV     -4596

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   K05HB    CEDAR CITY UT              48.2  LIC    BLTTV     -20040818ABF
 05   K05DU    ORDERVILLE UT              27.6  LIC    BLTTV     -3383
 05   K05AR    ROCKVILLE UT               60.6  CP     BDFCDTV   -20080806AAW
 06   KMOH-TV  KINGMAN AZ                321.4  LIC    BLCT      -20020627AAL
 06   K06JF    CORTEZ CO                 376.7  CP     BDFCDTT   -20060324AAJ
 06   KBNY     CALIENTE NV               177.8  ADD    BPRM      -20000717ABW
 06   KBNY     ELY NV                    285.1  CP MOD BMPCT     -20050811ACP
 06   KVPX-LP  LAS VEGAS NV              277.8  CP     BDCCDTL   -20061005ABD
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FIGURE 1—OET-69 STUDY: K67HK, ST. GEORGE, UT (CH 6 Z) DISPLACEMENT

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 06   K06DM    PANACA NV                 172.6  LIC    BLTTV     -19960826JA
 06   K06OB    CANE BEDS,AZ/HILLDAL UT   136.4  LIC    BLTTV     -20060213ABO
 06   K06JA    CEDAR CANYON UT            32.1  LIC    BLTTV     -4992
 06   K06FL    FISH LAKE RESORT UT       133.0  LIC    BLTTV     -4131
 06   K06KO    KANARRAVILLE, ETC. UT      61.3  LIC    BLTTV     -20061219ABF
 06   K06IG    KOOSHAREM UT              123.8  LIC    BLTTV     -4279
 06   K06BS    LOA, ETC. UT              121.0  LIC    BLTTV     -3916
 06   K06NR    NAVAJO MTN.SCH.,ETC. UT   163.5  LIC    BLTTV     -20060222ABF
 06   K06BQ    RICHFIELD, ETC. UT        131.4  LIC    BLTTV     -19961217JA
 06   KBCJ     SANTAQUIN UT              252.3  ADD    BPRM      -20000717ACF
 06   K06OG    ST GEORGE UT              101.8  CP     BNPTVL    -20000831BOH
 06   K67HK    SAINT GEORGE UT           106.1  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.
   06      K06OG      ST GEORGE UT              BNPTVL    -20000831BOH

(NOTE: THIS AUTHORIZATION EXPIRED ON 3-14-2008 WITH NO INDICATION THAT IT WAS
CONSTRUCTED.  PROTECTION TO THIS AFFECTED STATION IS, THEREFORE, NOT REQUIRED
AND THE STUDY HAS BEEN REMOVED.)

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