

DELAWDER COMMUNICATIONS, INC.

2121 Eisenhower Avenue, Suite 200

Alexandria, Virginia 22314

(703) 299-9222

ENGINEERING REPORT

Gerald Benavides

KBFW-LP, Gainesville, TX, Minor Mod. (Channel 69z)

EXHIBIT 8

LPTV MINOR MODIFICATION – INTERFERENCE STUDIES

1. Gerald Benavides (“Applicant”) is the licensee of KBFW-LP, Gainesville, TX, analog channel 69z. By this analog minor modification application, Applicant proposes a change in transmit facilities to operate with an omnidirectional transmit antenna from its licensed site. KBFW-LP will continue to operate on channel 69z with the new transmit facility. This filing qualifies as a minor change.

2. The use of zero frequency offset is made in order to add protection to and from any nearby analog co-channel station. The applicant will maintain the requested offset per 47 C.F.R. Section 74.761 by use of a precision oscillator supplied by the transmitter manufacturer.

3. This application does not require coordination with Mexico.

4. Attached as Figure 1 are the OET-69 study results for the proposed facility (as the referenced station) as determined by V-Soft Communications’ SunDTV™ software program. (According to V-Soft Communications, the SunDTV™ Program identically duplicates the FCC’s OET-69 processing program.) As demonstrated by Figure 1, the proposed facility adequately protects all required 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 FOR KBFW-LP, GAINESVILLE, TX (CHANNEL 69z)

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-11-2007 Time: 11:21:47

Record Selected for Analysis

KBFWLP USERRECORD-01 US
Channel 69 ERP 150. kW HAAT 165. m RCAMSL 00308 m
Latitude 033-00-20 Longitude 0096-58-59
Status APP Zone 2 Border Offset Z
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

1990 Census data selected

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	150.000	152.6	33.3
45.0	150.000	146.2	32.8
90.0	150.000	139.6	32.2
135.0	150.000	165.3	34.3
180.0	150.000	157.1	33.6
225.0	150.000	135.1	31.9
270.0	150.000	137.3	32.0
315.0	150.000	126.6	31.2

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 beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

FIGURE 1—OET-69 STUDY FOR KBFW-LP, GAINESVILLE, TX (CHANNEL 69z)

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
69	KBFWLP		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
68	KPXD	ARLINGTON TX	46.4	LIC	BLCT	-19991110AAC
69	KBFW-LP	GAINESVILLE TX	0.0	LIC	BLTTL	-20070507AAM

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Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
68	KINZ	ARLINGTON TX	DTVPLN	-NPLN2007

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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Results for: 68N TX ARLINGTON	DTVPLN	NPLN2007	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3885147	18239.8	
not affected by terrain losses	3879405	17974.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	0	0.0	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
68	KPXD	ARLINGTON TX	BLCT	-19991110AAC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
69	KBFWLP		46.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
 Scenario 1 Affected station 1
 Before Analysis

Results for: 68N TX ARLINGTON	BLCT	19991110AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4000185	24383.2	
not affected by terrain losses	3994002	23993.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	

FIGURE 1—OET-69 STUDY FOR KBFW-LP, GAINESVILLE, TX (CHANNEL 69z)

lost to all IX 0 0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 68N TX ARLINGTON	BLCT	19991110AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4000185	24383.2	
not affected by terrain losses	3994002	23993.7	
lost to NTSC IX	288	16.1	
lost to additional IX by ATV	0	0.0	
lost to all IX	288	16.1	

Potential Interfering Stations Included in above Scenario 1

69N	USERRECORD01	APP	
*Percent Service lost without proposal:	0.0	to BLCT	19991110AAC
*Percent Service lost with proposal:	0.0	to BLCT	19991110AAC

Result key: 2
 Scenario 2 Affected station 1
 Before Analysis

Results for: 68N TX ARLINGTON	BLCT	19991110AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4000185	24383.2	
not affected by terrain losses	3994002	23993.7	
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 2

After Analysis

Results for: 68N TX ARLINGTON	BLCT	19991110AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4000185	24383.2	
not affected by terrain losses	3994002	23993.7	
lost to NTSC IX	288	16.1	
lost to additional IX by ATV	0	0.0	
lost to all IX	288	16.1	

Potential Interfering Stations Included in above Scenario 2

69N	USERRECORD01	APP	
*Percent Service lost without proposal:	0.0	to BLCT	19991110AAC
*Percent Service lost with proposal:	0.0	to BLCT	19991110AAC

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FIGURE 1—OET-69 STUDY FOR KBFW-LP, GAINESVILLE, TX (CHANNEL 69z)

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
69	KBFW-LP	GAINESVILLE TX	BLTTL	-20070507AAM

(APPLICANT'S STATION THAT'S BEING MODIFIED. STUDY REMOVED.)

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