

TECHNICAL STATEMENT OF RYAN WILHOUR OF THE FIRM OF
KESSLER AND GEHMAN ASSOCIATES, INC., CONSULTING ENGINEERS
IN CONNECTION WITH AN APPLICATION FOR MINOR MODIFICATION TO A
LICENSED TELEVISION BROADCAST STATION
WFXU-TV FCC FILE BLCDT-20071113ACD
FCC FACILITY IDENTIFICATION NUMBER 22245

ATTACHED FIGURES

In carrying out the engineering studies, the following attached figures were prepared:

- 1) Proposed engineering changes relative to the licensed facility - Exhibit 49.1
- 2) Elevation drawing of the antenna system - Exhibit 49.2
- 3) USGS digital raster map showing the transmitter site - Exhibit 49.3
- 4) Proposed transmitting antenna elevation patterns Exhibits 49.4
- 5) OET69 allocation studies Exhibits 49.5
- 6) Map showing the proposed and licensed coverage contours Exhibit 49.6
- 7) Radio frequency radiation study statement and study Exhibit 49.7

APPLICATION SUMMARY

The instant minor modification application proposes to modify the technical parameters as indicated in Exhibit 49.1.

AREA AND POPULATION ANALYSIS

Exhibit 49.6 was generated by a computer which calculates and plots the distances to the contour. The population served by the proposed noise limited contour was determined by using 2000 census data and a computer program which added the population of all census blocks whose centroids fall within the contour. The total population within the proposed noise limited contour is 710,421 persons. It should be noted that FCC Form 301, Section III-D questions 1d and 1e have been checked as “N/A”. These questions are not applicable because as demonstrated in Exhibit 49.6 the licensed facility illustrated by the green noise limited contour provides a significantly different coverage area than the allotted facility¹ illustrated by the black noise limited contour. As further demonstrated the proposed facility illustrated by the blue noise limited contour completely subsumes the green licensed coverage area thus provides 100% population and coverage area. The proposed community of license contour illustrated as red provides 100 percent area and population coverage to Live Oak, Florida.

ALLOCATION STUDIES

The applicant accepts full responsibility for the elimination of any objectionable interference including that caused by intermodulation to facilities in existence or authorized prior to the

¹ As established in Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. Section 73.622(i)

grant of this application. Exhibit 49.5 is a full OET69 allocation analysis which finds the following:

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Evaluation toward Landmobile Stations

No landmobile spacing violations exist.

FCC Monitoring Stations

The proposed station is compliant with regard to FCC Monitoring Stations.

West Virginia quiet zone

The proposed station is compliant with regard to West Virginia quiet zone.

Table Mountain

The proposed station is compliant with regard to Table Mountain.

Canadian coordination distance

Proposed facility is beyond the Canadian coordination distance.

Mexican coordination distance

Proposed facility is beyond the Mexican coordination distance.

AM broadcast stations

The proposed station is compliant with regard to AM broadcast stations.

Kessler and Gehman Associates, Inc.

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Minor Modification to a Licensed Television Broadcast Station

WFXU-TV
Live Oak, Florida

TV studies

The following stations were analyzed for potential OET69 interference as demonstrated in Exhibit 49.5:

Chan	Call	City/State	Dist(km)	Status	Application.	Ref. No.
33	WBXG-CA	GAINESVILLE FL	93.5	LIC	BLTTA	20030911AAZ
33	WBXG-CA	GAINESVILLE FL	94.8	APP	BMPPTA	20020510AAK
45	WYME-CA	GAINESVILLE FL	107.6	LIC	BLTTA	20041001AGJ
47	WYKE-CD	INGLIS-YANKEETOWN FL	175.7	LIC	BLTTA	20050308AAA
48	WIYC	TROY AL	360.2	LIC	BLCDDT	20100127ADF
48	WDES-CA	DESTIN FL	369.5	LIC	BLTTT	19970509JB
48	WFBD	DESTIN FL	393.1	LIC	BLCDDT	20050906AAT
48	WOPX-TV	MELBOURNE FL	301.9	LIC	BLCDDT	20020510AAH
48	WOPX-TV	MELBOURNE FL	257.8	CP	BPCDDT	20080620AKI
48	WZRA-CA	OLDSMAR FL	244.8	CP MOD	BMPDDTA	20110923AAE
48	WZRA-CA	OLDSMAR FL	244.8	LIC	BLTTA	20061130AAL
48	WUVG-DT	ATHENS GA	404.4	LIC	BLCDDT	20030805AJO
48	W48CX	HILTON HEAD ISLAND SC	260.1	LIC	BLTTA	20051014ACY
49	WVEN-TV	DAYTONA BEACH FL	214.2	LIC	BLCDDT	20070329ADC

The proposed facility is not predicted to cause in-compliant interference to any of the stations listed above, as indicated in the study.

CERTIFICATION

The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge. Executed on August 18, 2012.

KESSLER AND GEHMAN ASSOCIATES, INC.

A handwritten signature in blue ink that reads 'Ryan Wilhour'.

Ryan Wilhour
Consulting Engineer