



**FCC Form 301, Section III-B**  
**Question 17**  
**CDBS Exhibit 30**

TECHNICAL FACILITY

A single-bay FM auxiliary antenna will be side-mounted on the existing WBZD-FM/WZXR(FM) tower structure such that the overall height of the tower is not affected. The auxiliary system will employ a frequency agile transmitter permitted for use over the entire FM frequency band. The applicant proposes herein to use the auxiliary transmission system as necessary as a backup facility for all its FM stations in the local market. Accordingly, concurrent applications for auxiliary construction permit are being filed for WBZD-FM, Muncy, NY (Facility ID 72793); WZXR(FM), South Williamsport, PA (Facility ID 61180); WRVH(FM), Williamsport, PA (Facility ID 3633); and, WILQ(FM), Williamsport, PA (Facility ID 52192).

It is emphasized herein that only one station will use the antenna at any given time. There is no combining equipment and no potential for spurious transmitter emissions which may adversely affect other stations sharing the same antenna. Therefore, the FCC's routine special operating conditions and restrictions applied to construction permits of this type are not necessary and should not be included on the auxiliary construction permit resulting from the instant application.

SECTION 73.1675 COMPLIANCE

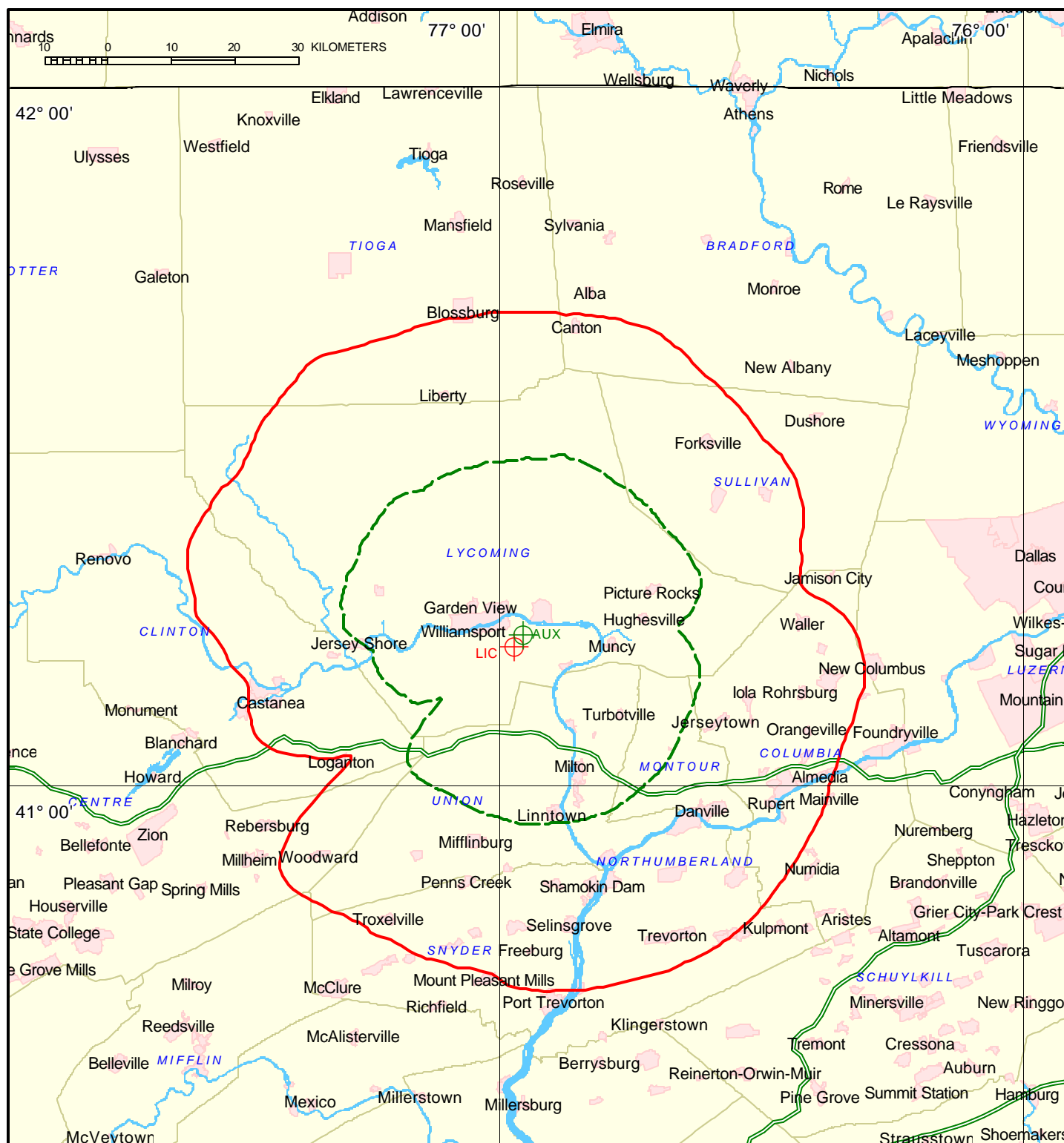
Attached is a map which depicts the main facility's licensed 60 dBu (1.0 mV/m) contour and the proposed auxiliary 60 dBu contour. As required by Section 73.1675(a)(1)(ii), the 60 dBu contour of the proposed auxiliary facility is wholly within the 60 dBu contour of the main facility.

RFR STATEMENT OF COMPLIANCE

There are a number of stations located within 315 meters of the proposed WILQ(FM) auxiliary antenna location. For a multiple-use site such as this, the percentage of the FCC guideline value each facility contributes must be determined, and the sum of the individual contributions must not exceed 100% of the FCC guideline value. The attached Table, entitled 'Summary of Radiofrequency Radiation Study', shows the stations

considered in the instant study and each station's distance from the auxiliary antenna location. As shown on the attached table, the maximum cumulative predicted power density at the shared site represents only 23.91% of the FCC guideline value for 'uncontrolled' environments.

Further, the applicant is committed to reducing power or ceasing operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic fields in excess of FCC's occupational guidelines.



WILQ License (BLH-19890403KA): Solid RED Contour  
 Proposed Auxiliary: Green Dashed Contour

**LICENSED MAIN AND PROPOSED AUXILIARY  
 PREDICTED 60 dBu (1.0 mV/m) CONTOURS  
 WILQ(FM), WILLIAMSPORT, PA  
 LIC: CH. 286B, 9.2 kW ERP, 346 m HAAT  
 AUX: Ch. 286B, 0.42 kW, 373 m HAAT  
 MAY, 2007**

**SUMMARY OF RADIOFREQUENCY  
RADIATION STUDY**  
WILQ(FM) AUXILIARY WILLIAMSPORT, PENNSYLVANIA  
CHANNEL 286, 0.42 kW, 373 m HAAT  
MAY, 2007

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLARIZATION</u>	<u>ANTENNA HEIGHT ***</u>	<u>SLANT DIST TO SUBJECT TOWER</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>WORST-CASE PREDICTED POWER DENSITY (mW/cm<sup>2</sup>)</u>	<u>FCC UNCONTROLLED LIMIT (mW/cm<sup>2</sup>)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
-- Stations co-located with APP (dist = 0 meters)											
			Ground Elevation =	603	meters						
WILQAUX	FM	286	105.1	H & V	20	N/A	0.420	*	0.01560	0.200	7.80%
WBZDFM	FM	227	93.3	H & V	19	N/A	1.700	**	0.02798	0.200	13.99%
WZXR	FM	257	99.3	H & V	24	N/A	0.410	**	0.00422	0.200	2.11%
-- Stations within 315 meters of APP -- Distance = 170 meters											
			Ground Elevation =	611	meters						
W212BJ	FM	212	90.3	H & V	17	172	0.007	1.000	0.00002	0.200	0.01%
-- Stations within 315 meters of APP -- Distance = 95 meters											
			Ground Elevation =	604	meters						
WRVH	FM	300	107.9	H & V	42	103	0.360	1.000	0.00225	0.200	1.12%
<b>TOTAL PERCENTAGE OF ANSI VALUE=</b>											<b>23.91%</b>

\* Power Density predicted using FCC's FM Model Program considering proposed auxiliary ERI, 1-bay, antenna.

\*\* Power Density predicted using FCC's FM Model Program considering each station's ERI, 2-bay, one-half wavelength spaced antenna.

\*\*\* For co-located stations, the Antenna Height indicated above considers this ground elevation minus 2 meters for the human height allowance.

note: For stations not co-located with the subject station, the slant distance to 2 meters above the subject tower base was used to compute the predicted power density.