

TECHNICAL STATEMENT
REQUESTION FOR SPECIAL TEMPORARY AUTHORITY
FM BROADCAST STATION WILT(FM) (STA)
WILMINGTON, NORTH CAROLINA
CHANNEL 283

This Technical Statement was prepared on behalf of Sunrise Broadcasting, LLC, licensee of WILT(FM), Wilmington, North Carolina, in support of a request for Special Temporary Authority (STA). STA is requested for operation of WILT at a temporary site due to the inability of WILT to operate at its licensed site at the present time.

On February 24, 2010 the main transmitter for WILT completely failed due to blown rectifiers and has now become inoperable. The backup transmitter for WILT is over 50 years old and it, too, is inoperable. WILT is able to restore service to the public through the temporary use of an antenna installed for the future use of the construction permit operation for licensee's station, WKXB(FM), Boiling Spring Lakes, NC.* The particulars of the emergency operation are described below:

Call Sign: WILT
City of license: Wilmington, NC
Channel: 283A
Frequency: 104.5 MHz
Effective radiated power: 0.150 kW (150 watts)
Antenna make and model: ERI, MPX-4AC
Antenna gain: 2.13
Antenna pattern: non-directional
Antenna height: 175 m AGL, 181 m AMSL, 178 m HAAT
Transmission line make and model: Andrew, HJ8-50B
Transmission line length: 600 ft
Transmission line efficiency: 81.8%
Transmitter power output: 0.086 kW (86 watts)

* See FCC File No. BPH-20081201AZU.

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The emergency operation will not result in any extension of the WILT licensed predicted 60 dBu contour. This is demonstrated in the attached predicted coverage contours exhibit.



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