

Comprehensive Engineering Exhibit
Minor Change Application
WSNE-FM FID: 74069
October 2008

Capstar TX Limited Partnership seeks a minor change of licensed facility to operate WSNE-FM with a replacement directional antenna 10 meters lower on its tower while increasing power by 1 kilowatt.

This has been made necessary following the destruction of the licensed antenna by tropical storm Hanna and damage to the support structure. WSNE- FM seeks expedited processing of this application to allow it to re-establish service to the public.

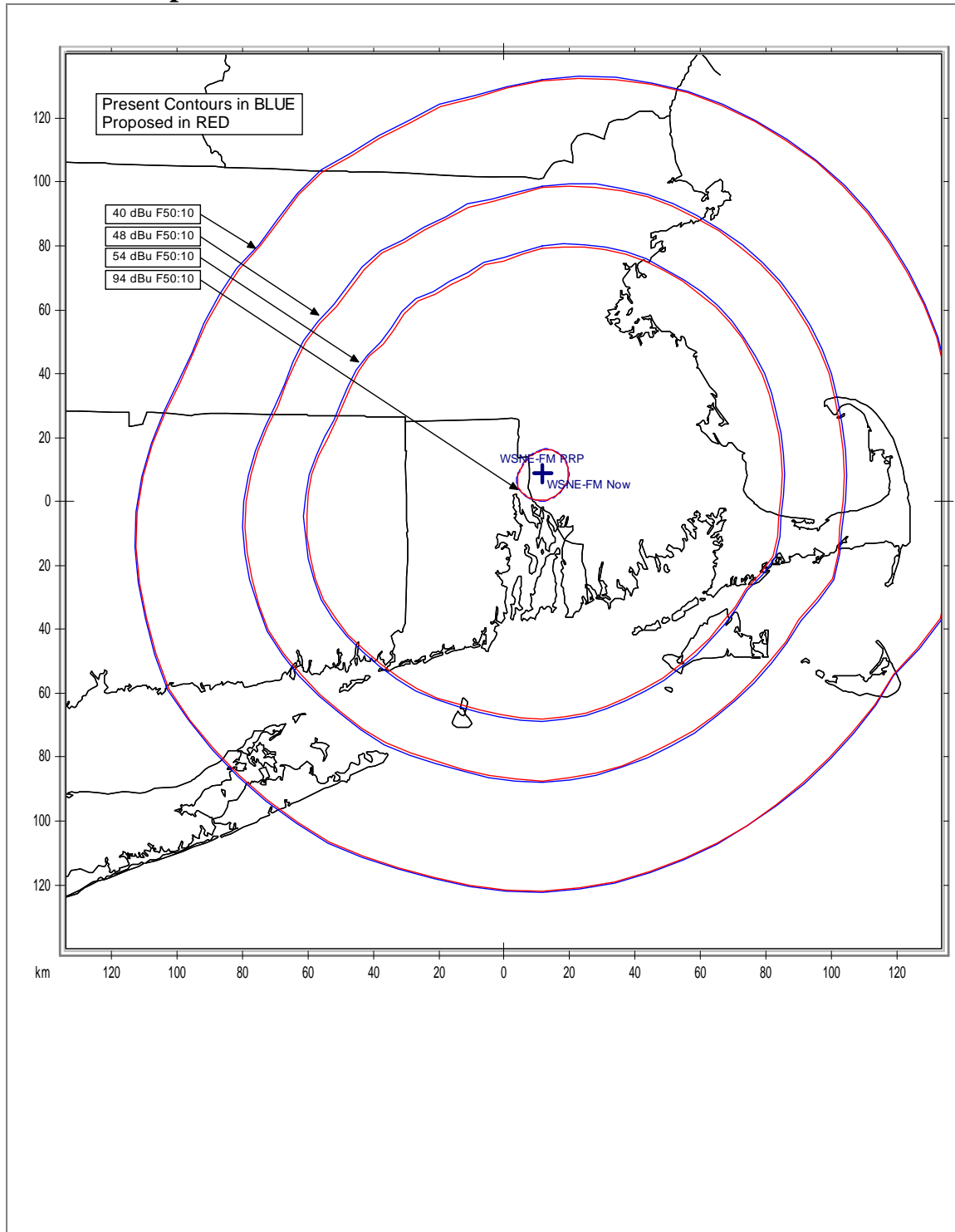
Short spacings currently exist to co-channel Class A WNHW, first adjacent Class B WHYN-FM and Class A WFQR, as well as second adjacent Class B WBOS. This instant application seeks no change in geographic location, only a mounting of the antenna upon the existing structure (facility ID 105124) at a height of 144 meters instead of the presently licensed 154 meters. Minor changes from a recent survey of the tower will result in a change of height above sea level from 218 to 209 meters in this application, and the height above average terrain will change from 189 to 180 meters.

As demonstrated in the attached map, the proposal will NOT increase the distance to any interfering contours, thus no change in any short spaced relationship will occur. The principal community of Taunton will continue to receive a community grade signal.

As part of the license renewal application BRH-20051201BZD the results of a series of RF density measurements (copy attached) was presented to demonstrate compliance with applicable exposure levels. At that time the maximum observed level was 7.6% of the general population / uncontrolled 200 uW/sq cm limit. The replacement antenna proposed is a 3 bay Rototiller to replace the 2 bay in operation at the time the measurements were taken. It is expected that this replacement antenna will present less of an exposure risk, even with it being 10 meters lower on the tower, because of the increased bay count.

WSNE-FM requests that the construction permit allow automatic program tests, with a requirement for submission of measurements with the filing of license to cover. This will further expedite the return of WSNE-FM to service to its community.

Contour Map



RF Exhibit from BRH-20051201BZD

Engineering Exhibit
WSNE-FM Taunton, MA (Facility ID# 74069)
RF Radiation Compliance Statement

WSNE-FM is not eligible to use the RF Exposure Worksheet included with FCC Form 303-S, however it does comply with OET Bulletin 65 Edition 97-01 with regard to General Population/Uncontrolled Exposure and Occupational/Controlled Exposure. WSNE-FM is authorized to operate from a multi-user telecommunications site 17 kilometers west of Taunton, Massachusetts. The following non-exempt broadcast facilities are authorized to operate from this site:

Call Letters Frequency ERP
WSNE-FM 93.3 mHz 30 kW
WJAR (TV) CH10 316 kW
WSBE-TV (DT) CH21 50 kW
WLNE-TV (DT) CH49 240 kW
WJAR (DT) CH51 1000 kW

Facilities:

WSNE-FM utilizes a 2 bay ERI Directional Rototiller type antenna. The antenna is side mounted on a 162.7 meter structure consisting of a support pole mounted on top of a self supporting tower with a center of radiation located at 154 meters above ground level. A perimeter fence with a securely locked gate surrounds the base of the tower. Appropriate cautionary signs are posted along the fenced area indicating that potential RF hazards may exist beyond. The areas inside the fences are designated Occupational/Controlled Exposure areas.

Prediction Method:

On October 27, 2005 measurements were made by the WSNE-FM engineering staff in all generally accessible areas within the transmitter site compound and surrounding areas in accordance with guidelines provided in OET Bulletin 65 Edition 97-01 with regard to General Population/Uncontrolled Exposure and Occupational/Controlled Exposure limits. A NARDA 8718B EM Survey meter utilizing an A8742D Shaped E Field Probe and a B8742D Shaped E Field Probe was used to make the measurements. The A8742D is a shaped probe with usable response from 300 kHz – 3 GHz providing a reading of the electric field component in percentage of the plane wave equivalent power density corresponding to the 1997 FCC Occupational/Controlled Standard. The B8742D is a shaped probe with usable response from 300 kHz – 3 GHz providing a reading of the electric field component in percentage of the plane wave equivalent power density corresponding to the 1997 FCC General Population/Public Standard. Measurements were made using the “Max Hold” function of the NARDA 8718B meter while slowly walking a survey grid around the site sweeping the meter probe up and down in an oscillatory fashion covering as much volume of space as practical. In areas where the indicated RF exposure levels approached or exceeded 100%, spatially averaged measurements were made utilizing the spatial averaging functionality built into the NARDA 8718B.

General Population / Uncontrolled Exposure:

In none of the generally accessible areas on and around the site, outside the

fenced areas, did the RF exposure levels exceed the 1997 FCC General Population/Uncontrolled Exposure limit. The maximum peak electric field observed was 7.6% of the 1997 FCC General Population/Uncontrolled Exposure limit near the base of the WJAR tower base. Thus, WSNE-FM complies with OET Bulletin 65 Edition 97-01 with regard to the General Population/Uncontrolled Exposure at all accessible points on the site and surrounding areas.

Occupational / Controlled Exposure:

The areas within the fences located on the site are designated as Controlled/Occupational Exposure areas. The fences are kept secure at all times and signs are posted warning that fields may exist that are in excess of occupational limits. The maximum peak electric field observed was 7.6% of the 1997 FCC General Population/Uncontrolled Exposure limit near the base of the WJAR tower base. Thus WSNE-FM complies with OET Bulletin 65 Edition 97-01 with regard to Occupational/Controlled Exposure at all points within the Occupational/Controlled access area. WSNE-FM, in cooperation with other licensees, will reduce power or cease operations as necessary to protect persons having access to the site, including the tower or antennas, from RF exposure in excess of FCC guidelines.