

**Technical statement
in support of
Calvary Radio Network, Inc.**

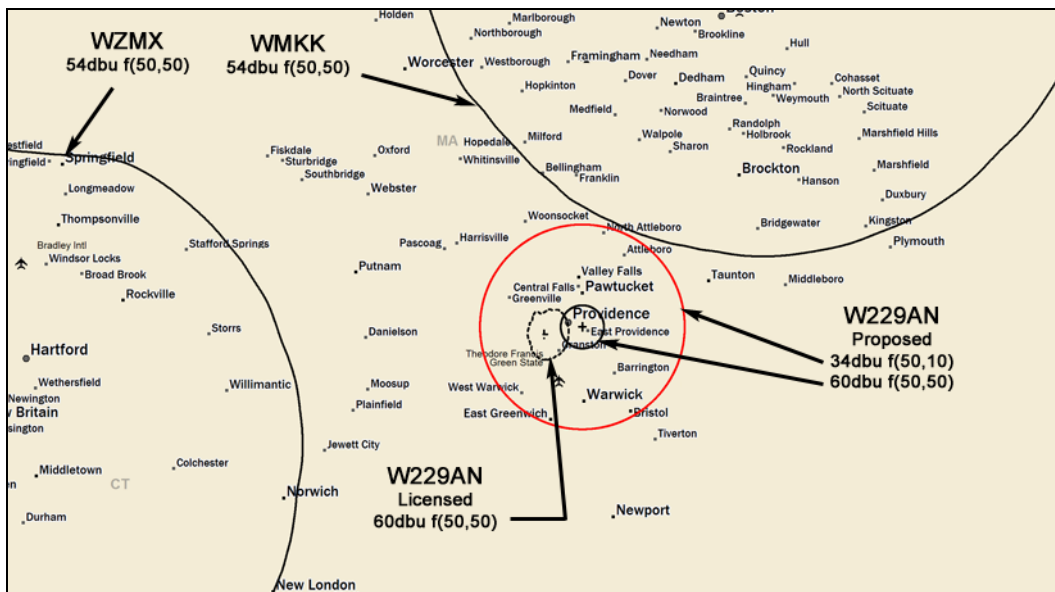
**W229AN, Providence, RI
Facility id 156667**

Minor change

This application seeks to move W229AN from its present location in Johnston, RI to the WSTL transmitter site in East Providence, RI.

Changes are proposed to location, effective radiated power, antenna type (directional to non-directional), antenna height, and primary station.

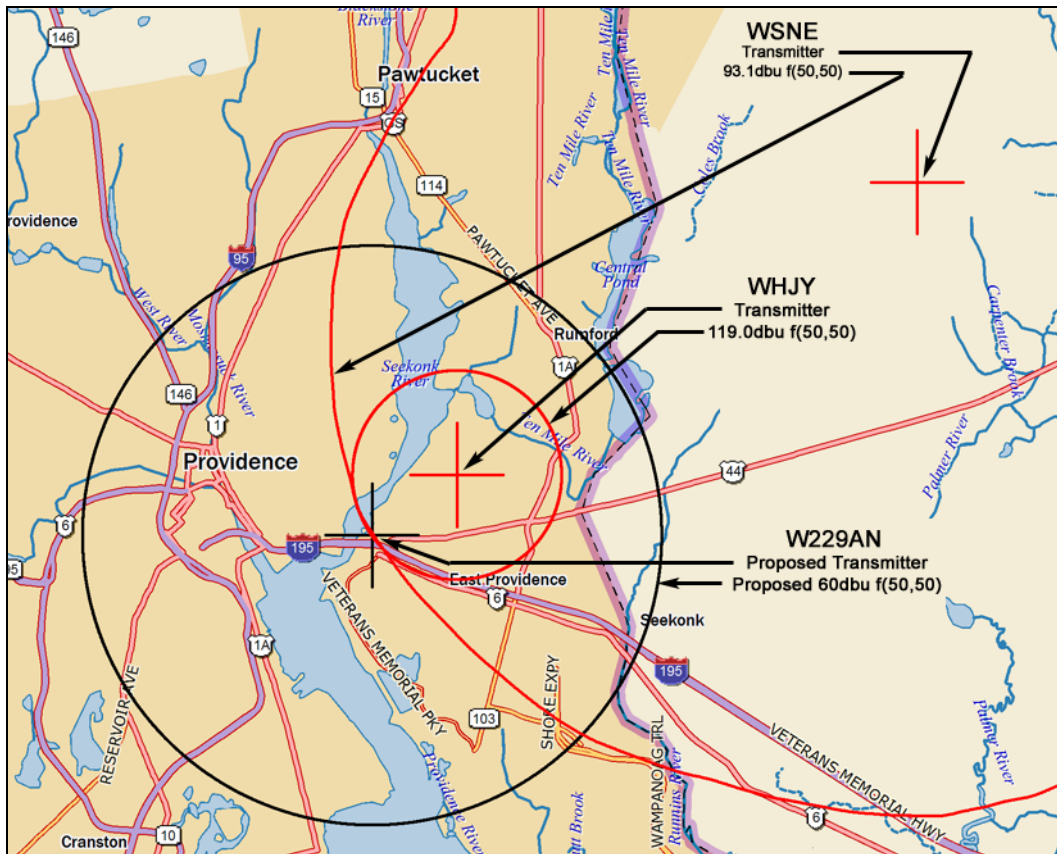
The proposed primary station is WSMA (FM) in Scituate, MA, facility id #122202. WSMA will be picked up directly off-air.



As shown on the map above, the proposed 60 dbu contour overlaps the licensed 60 dbu contour. No frequency change is involved. Therefore, the proposal qualifies as a minor change.

In addition, there is no overlap of the proposed 34 dbu contour with the 54 dbu contour of either WMKK or WZMX, the only co-channel stations within range of potential interference. There are no first adjacent stations within range of potential interference.

W229AN is second-adjacent to WHJY and WSNE.



At the proposed transmitter location, the signal from WHJY is 119.0 dbμ. The signal from WSNE is 93.1 dbμ. As the weaker of the two signals, WSNE is more likely to receive interference. The allowable interfering signal from the translator is 40 db higher, or 133.1 dbμ.

With an ERP of 30 W, the free space formula returns a distance to the 133.1 dbμ field strength of 8.5 m. The transmitter is located in an unpopulated industrial area. The nearest residence is approximately 250 m from the proposed antenna site, and the nearest major highway is approximately 95 m away. Therefore, interference to WHJY and WSNE is not anticipated.

The proposed antenna is a Shively 6812B-1 which will be mounted five meters above ground level. At 30 W vertical plus 30 W horizontal, FMModel returns a maximum exposure of less than 47.4 μW/cm². This represents less than 25% of the limit for casual / uncontrolled exposure.

This statement is true and correct to the best of my knowledge.

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