

CONSOLIDATED ENGINEERING EXHIBIT

W269DB, FIN #139339

May 2017

Applicant is proposing to relocate W269DB from its current permitted site to a new location 1.69 km distant. Using 92 watts at the new location and taking advantage of the Commission's rule change allowing translator locations to be within the larger of the parent AM station's 2 mV/m daytime contour or a 25-mile radius, this relocation would include 329,116 persons in the translator's 60 dBu contour.

Exhibit 11

Applicant requests a waiver of 47CFR 73.807 with respect to second-adjacent WKCI, Hamden, CT. WKCI field strength at the proposed location is 91.5 dBu; therefore, the relevant interfering contour from W269DB is the 131.5 dBu contour. Based on a calculated ERP of 92 watts for W269DB, the free-space 101.9 dBu contour radius is 18 m, and thus does not reach ground at the proposed transmitter site.

The satellite view below shows that the area around the proposed W269DB site is not inhabited and there are no tall buildings anywhere in the vicinity of the tower, thus no interference to WKCI will occur.



The proposed W269DB operation is co-located with third-adjacent W272DO. Its construction permit (BMPFT-20170208AAP) specifies operation with 250 watts at the same location and 11 meters higher elevation; therefore, field strength of the proposed W269DB facility at 92 watts would not exceed the prohibited U/D ratio of +40 dB at ground level.