

EXHIBIT 12  
TECHNICAL STATEMENT  
W300CI CINCINNATI, OHIO 300D  
MARY MEDICUS  
FCC FORM 349  
APRIL 2016

This Technical Statement is in support of a minor change application, FCC form 349, being filed on behalf of Mary Medicus in regards to FM translator W300CI Cincinnati, Ohio, facility ID 156580.

Mary Medicus is proposing a minor change to an existing tower site, ASR 1041340, at the coordinates N. 39°-01'28", W. 84°-30'44", NAD 27. The proposed operation will use a custom directional antenna with an Effective Radiated Power of 250 Watts.

The antenna will be mounted at 101 meters Above Ground Level, with a Center of Radiation at 355 meters Above Mean Sea Level. Figure 1 shows a channel interference study conducted from the proposed site. In the first line of the table of Figure 1, there is an apparent short spacing, but this is the same facility as this proposal and will be replaced by this application. The only pertinent records for further study are:

- 1) WMMX Dayton, Ohio 299B License

Figures 2 and 3 are predicted coverage maps showing the 40 dB interference contour F(50,10) of the proposed operation and the 60 dB protected contour F(50,50) of WMMX Dayton, Ohio on channel 299B. (Figure 3 is a magnification of Figure 2.) As can be seen, there is no prohibited overlap between these two contours.

Figure 4 is the directional antenna pattern.

Figure 5 shows the overlap between the 60 dB contours of the proposed facility, in red, and the currently authorized, in blue, seeking to be modified by this application.

The proposed operation of W300CI will operate as a fill-in translator for WDJO(AM), 1480 kHz, Cincinnati, Ohio. Figure 6 shows that the 60 dB contour of the proposed

operation of W300CI is entirely within the WDJ0 2 mV/m contour and within 25 miles of the WDJ0 transmitter site.

It was concluded that the proposed operation of W300CI Cincinnati, Ohio on 300D will not cause any harmful interference to any existing stations and will be in full compliance with the Commission's rules. Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.