

MINOR CHANGE APPLICATION
RADIO POWER, INC.
W230BI FM TRANSLATOR STATION
CH 232D - 94.3 MHZ - 0.099 KW DA
DETROIT, MICHIGAN
September 2010

TECHNICAL STATEMENT

This technical statement was prepared on behalf of Radio Power, Inc. ("RPI"), licensee of FM translator station W230BI, Channel 230D, Rochester Hills, Michigan.¹ RPI proposes herein to make minor changes in the facilities of W230BI by relocating the transmitter site, increasing the height of radiation above ground level and height above mean sea level, decreasing the effective radiated power, changing to Channel 232D and changing the city of license from Rochester Hills, Michigan to Detroit, Michigan. The proposed W230BI facility will continue to rebroadcast WRCJ-FM, Channel 215B, Detroit, Michigan. As the proposed W230BI 54 dBu contour is completely within the WRCJ-FM 54 dBu contour, the proposed W230BI is considered a fill-in translator (Exhibit A).

The proposed W230BI antenna system will be located on an existing tower structure. The tower on which the antenna will be located has been registered with the FCC and assigned Antenna Structure Registration Number 1003429.

Attached as Exhibit B is a computer study demonstrating that the proposed W230BI translator on Channel 232D will not cause interference to any full service station, nor will

1) RPI has an application for station license for W230BI pending (BLFT-20100930ATY).

interference be delivered to or received from any existing FM translator or LPFM application or station. It is noted that the proposed translator will be inside the 60 dBu contour of one FM station. However, as shown on Exhibit B, there is no actual interference, since there is no population within the interference area.

Due to the co-location of the proposed W230BI on a tower with high power FM and TV stations, the worksheet associated with Form 347 could not be used to certify compliance with the Commission's radio frequency radiation limits. Attached as Exhibit D is a demonstration that the proposed translator is in compliance with the Commission's RF rules.

Exhibit C is a map showing there is common 60 dBu contour area between the authorized W230BI and the proposed W230BI on Channel 232D, as such the proposed W230BI is mutually exclusive with the licensed W230BI. All contours are calculated using the NGDC 30 second terrain database. All other necessary documentation used to certify the technical portion of FCC Form 349 has been forwarded to RPI and is available to the Commission upon request.²

2) All data regarding broadcast facilities was extracted from the CDBS database on the date of the interference study. We assume no liability for errors or omissions in that database which may be adverse to the requests contained herein.