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MARANATHA BROADCASTING COMPANY, INCORPORATED

LICENSEE OF

WFMZ-DT CHANNEL 46

ALLENTOWN, PENNSYLVANIA

FCC FACILITY ID # 39884

FCC FILE No. BLCDT-20060621AAU

APPLICATION FOR A

MINOR MODIFICATION OF LICENSE

TO INCREASE ERP

ENGINEERING EXHIBIT 46

June 18, 2008

MARANATHA BROADCASTING COMPANY, INCORPORATED
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ENVIRONMENTAL CONSIDERATIONS

The instant application is excluded under 1.1306. Using the procedures outlined in Supplement A, OET Bulletin 65, Edition 97-01 and specifically Equation 10, I have evaluated the RFR energy radiation from the antenna system of proposed WFMZ-DT as follows:

The proposed WFMZ-DT is one of several FM and television broadcast antennas at the station location required to be considered by 47 CFR 1.1307(b). WFMZ-DT is presently operating with 400 kW and is proposing to utilize an average ERP of 800 kilowatts (maximum DA) with horizontal polarization. WFMZ-DT, as reported in previous filings with the Commission, along with other users of this joint use facility, is currently in full compliance with RFR requirements of FCC OET 65 and 47 CFR 1.1312. The maximized Channel 46 DTV post transition operation, when combined with the simultaneous shutdown of WLVT-TV, Channel 39 analog at 575 kW visual, pre-transition WLVT-DT, Channel 62 at 50 kW visual MAX DA and the co-located NTSC WFMZ-TV operating on Channel 69 with 5000 kW MAX-DA along with the startup of WLVT-DT on Channel 39 at 53 kW, results in a net reduction of existing RFR levels on and in the immediate vicinity of the multiple use tower of 4,973 kW with no changes in antenna placement.

As a result this multi-user site will continue to be in full compliance with the RFR requirements of FCC OET 65 and 47 CFR 1.1312.