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MARANATHA BROADCASTING COMPANY, INCORPORATED

LICENSEE OF

WFMZ-DT CHANNEL 46

ALLENTOWN, PENNSYLVANIA

FCC FACILITY ID # 39884

BLCDT-20060621AAU – REF DATA & SITE 1

BLCDT-20100126ABW

BPCDT-20080619AKZ

NEW DTS – SITE 2

**APPLICATION FOR AN STA TO CONSTRUCT AN INTERIM DIGITAL
TRANSMISSION SYSTEM (DTS)**

FOR WFMZ-DT

SITE NUMBER 1 RFR EXHIBIT

ALLENTOWN, PA

EXHIBIT 58

December 9, 2010

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BLCDT-20060621AAU – REF DATA & SITE 1

BPCDT-20080619AKZ

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**APPLICATION FOR AUTHORITY TO CONSTRUCT DIGITAL TRANSMISSION
SYSTEM (DTS)**

FOR WFMZ-DT

ENGINEERING EXHIBIT 58 –SITE 1

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 800 kW (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.

BLANKETING INTERFERENCE

The area surrounding the proposed site is rural forestland and, therefore, no blanketing interference is anticipated. However, the applicant will investigate and cure any complaints reported within the blanketing area.

This application proposes no change in the previously approved RFR calculations for WFMZ-DT. Since commencing operation at 800 kW on January 26, 2010, there have been no complaints of blanketing interference from WFMZ-DT. There are no AM facilities within 3.2 km. Due to the frequency separation and antenna physical separation, no intermodulation interference is expected. The FAA has not been notified since the tower exists. The registration number is 1031215.