

SEE ATTACHED FIGURE 2 FOR ALLOCATION STUDY.

THE PROPOSED W236CU SITE IS LOCATED WITHIN THE PROTECTED 54 DBU SERVICE CONTOUR OF THIRD ADJACENT CHANNEL CLASS B STATIONS WZID MANCHESTER, NEW HAMPSHIRE AND WJMN BOSTON, MASSACHUSETTS. A WAIVER OF SECTION 74.1204(A) OF THE RULES IS REQUESTED.

THE STATION SIGNALS AT THE W236CU SITE HAVE BEEN COMPUTED TO BE 66.9 DBU FOR WJMN AND 64.2 DBU FOR WZID. INTERFERENCE TO WJMN AND WZID OCCURS IF THE W236CU SIGNAL DIFFERENCE WITH THE WJMN OR WZID SIGNAL IS LESS THAN 40 DBU, WHICH IN THIS CASE WOULD BE 106.9 DBU FOR WJMN AND 104.2 DBU FOR WZID. THE WZID 104.2 DBU SIGNAL REPRESENTS THE WORST CASE FOR COMPLIANCE.

THE DISTANCE TO THE CLOSEST HOME FROM THE ANTENNA IS 0.11 KILOMETERS AT A BEARING OF 191 DEGREES TRUE. THE EFFECTIVE RADIATED POWER OF THE PROPOSED ANTENNA SCALA CA5-FM/CP IN THIS DIRECTION IS 5 WATTS. THE DISTANCE TO THE W236CU 104.2 DBU CONTOUR AS CALCULATED USING THE FCC PROGRAM FM CURVES, IS 0.097 KILOMETERS. THE NEXT CLOSEST HOME IS 0.33 KILOMETERS, AT A BEARING OF 231 DEGREES TRUE AND AN EFFECTIVE RADIATED POWER OF 4 WATTS. THE DISTANCE TO THE W236CU 104.2 DBU CONTOUR AS CALCULATED USING THE FCC PROGRAM FM CURVES, IS ALSO 0.086 KILOMETERS. TO PROVIDE A WORST CASE SCENARIO, BASED ON FULL 170 WATT POWER, THE DISTANCE TO THE 104.2 DBU CONTOUR IS 0.564 KILOMETERS. THERE ARE NO OTHER HOMES LOCATED WITHIN OR NEAR 0.564 KILOMETERS RADIUS OF THE ANTENNA.

THE WJMN AND WZID INTERFERENCE CONTOURS DO NOT REACH ANY POPULATED AREA. THEREFORE, GRANT OF THE WAIVER IS WARRANTED