

THIS APPLICATION PROVIDES THE REQUIRED PROTECTION TO ALL LICENSED CO-CHANNEL AND ADJACENT CHANNEL STATIONS BY THE CONTOUR METHOD WITH THE EXCEPTION OF A SECOND ADJACENT WKRZ, CHANNEL 253B, WILKES-BARRE, PA., AND A THIRD ADJACENT, WUSR, CHANNEL 258A, SCRANTON, PA. IN SEARCHING FOR A FREQUENCY, 98.9 (CHANNEL 255) WAS FOUND TO BE WITHIN THE GUIDELINES OF THE FCC RULES.

USING FIGURE 1 OF 73.333 (F50/50 CHART) AND THE LICENSED PARAMETERS OF WKRZ, IT WAS DETERMINED THAT THE SIGNAL STRENGTH OF WKRZ AT THE PROPOSED TRANSLATOR SITE IS 76DBU AS SEEN IN EXHIBIT 12C. CONTOUR PROTECTION GENERALLY REQUIRES THAT THE PROPOSED TRANSLATORS INTERFERING CONTOUR NOT OVERLAP THE 54DBU CONTOUR OF THE PROTECTED CLASS B STATION. IN THIS CASE THE INTERFERENCE CONTOUR WOULD NORMALLY BE THE 94DBU CONTOUR SINCE WKRZ OPERATES ON CHANNEL 253B AND THIS PROPOSAL IS FOR CHANNEL 255 (SECOND ADJACENT). FOR ACTUAL INTERFERENCE TO OCCUR HOWEVER, THE INTERFERING SIGNAL MUST BE 40DBU OR MORE ABOVE THE SIGNAL OF THE PROTECTED STATION. IN THIS SITUATION, THAT INTERPRETS TO 76DBU PLUS 40DBU WHICH EQUALS 116DBU. AS SEEN IN EXHIBIT 12A, THE 116DBU CONTOUR FROM THE PROPOSED TRANSLATOR EXTENDS OUT A DISTANCE OF .04KM OR 127 FEET FROM THE ANTENNA, AS THE PROPOSED EFFECTIVE RADIATED POWER IS ONLY 10 WATTS. THERE ARE NO HOMES WITHIN THIS 127 FOOT AREA FROM THIS TRANSMIT SITE AS SEEN IN EXHIBIT 12B. THE PROPOSED SITE IS HOME TO SEVERAL TRANSMIT TOWERS AND THERE ARE NO HOMES WITHIN THIS INTERFERING AREA.

USING FIGURE 1 OF 73.333 (F50/50 CHART) AND THE LICENSED PARAMETERS OF WUSR, IT WAS DETERMINED THAT THE SIGNAL STRENGTH OF WUSR AT THE PROPOSED TRANSLATOR SITE IS 93DBU AS SEEN IN EXHIBIT 12D. CONTOUR PROTECTION GENERALLY REQUIRES THAT THE PROPOSED TRANSLATORS INTERFERING CONTOUR NOT OVERLAP THE 60DBU CONTOUR OF THE PROTECTED CLASS A STATION. IN THIS CASE THE INTERFERENCE CONTOUR WOULD NORMALLY BE THE 100DBU CONTOUR SINCE WUSR OPERATES ON CHANNEL 258B AND THIS PROPOSAL IS FOR CHANNEL 255 (THIRD ADJACENT). FOR ACTUAL INTERFERENCE TO OCCUR HOWEVER, THE INTERFERING SIGNAL MUST BE 40DBU OR GREATER ABOVE THE SIGNAL OF THE PROTECTED STATION. IN THIS SITUATION, THAT INTERPRETS TO 93DBU PLUS 40DBU WHICH EQUALS 133DBU. THE 133DBU CONTOUR IS EVEN LESS THAN THE 116DBU CONTOUR AS SEEN IN EXHIBIT 12B, THEREFORE THIS INTERFERING AREA IS EVEN LESS THAN THAT SHOWN. THEREFORE NO HOMES OR POPULATION WOULD BE AFFECTED BY A GRANT OF THIS WAIVER.