



THE K259DD AND KENR-FM1 ANTENNAS ARE BOTH SCALA/KATHREIN MODEL CA2-FM DUAL CROSSED DIPOLE DIRECTIONAL ANTENNAS. BOTH THE KENR-FM1 FCC LICENSE AND K259DD CP SHOW THE EXACT SAME SITE CO-ORDINATES, SUGGESTING THEY ARE MOUNTED ON THE SAME TOWER. HOWEVER, A NEW SEPARATE 18 METER SELF SUPPORTING TOWER HOLDS THE K259DD ANTENNA MOUNTED ON A 3 METER EXTENSION POLE AND ORIENTED 180 DEGREES TRUE NORTH. THIS TOWER IS 5 METERS DUE SOUTH OF THE TOWER HOLDING THE KENR-FM1 ANTENNA MOUNTED AT 16 METERS ABOVE GROUND LEVEL, ORIENTED 315 DEGREES TRUE NORTH. THE ACTIVE ELEMENTS OF EACH ANTENNA ARE SEPARATED HORIZONTALLY BY 6 METERS AND VERTICALLY BY 5 METERS. BECAUSE 5 METERS IS LESS THAN ONE SECOND OF LATITUDE, THE LISTED SITE CO-ORDINATES FOR BOTH TOWERS ARE THE SAME.

*THOMAS R. MCGINLEY*

THOMAS R. MCGINLEY TOWNSQUARE MEDIA MISSOULA, MT ENGINEERING