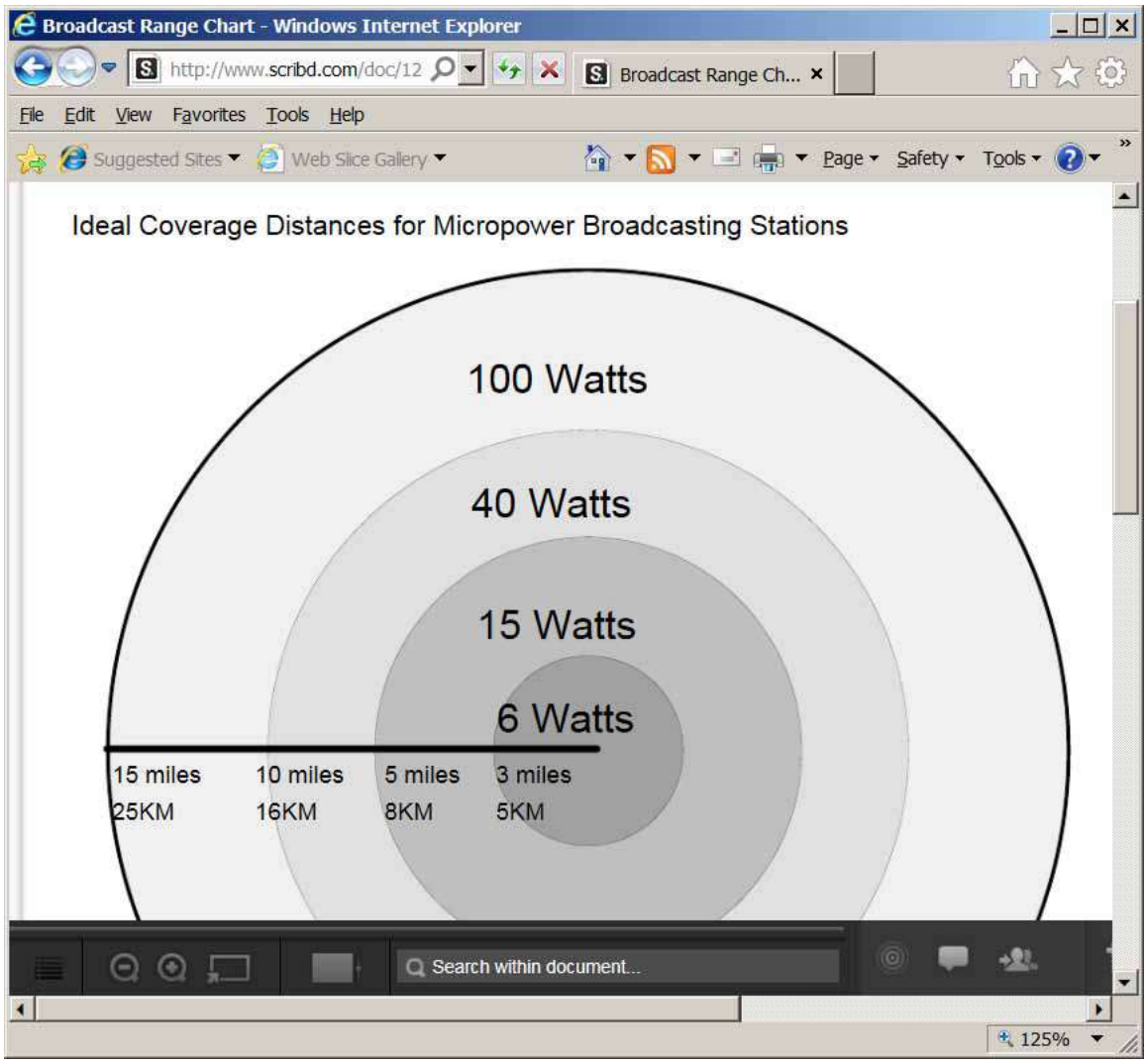
If you set up a small FM Radio station after the pole shift, the following is expected ranges for given power output.



These are ideal coverage distances. They assume: an antenna height of 60-70 feet; using an omni-directional Comet 5/8 ground plane antenna; and relatively flat terrain. Depending on broadcast antenna used, terrain, the type of FM receiver (whether it uses an outside antenna or not), and antenna height, your distance may vary. You are constrained by both the distance to the horizon which is a function of antenna height and the broadcast power level. A general guideline is that is takes 4 times the power to double the broadcast distance. Further, raising the antenna height by just 10-15 feet or 3-4 meters will, in many cases, be more effective than increasing broadcast power.