

RF exhibit for KQSD-TV and KQSD-FM licensed to Lowry, SD, transmitter site near Lowry, SD.

At this site there are two non-excluded transmitters: KQSD-TV (ATSC) will operate with an ERP of 12.9 kW (average) from a COR of 238 meters AGL. KQSD-FM operates with an ERP of 100 kW (H & V) from a COR of 149 meters AGL.

At the base of the tower (distance 0 meters) the ATSC transmitter creates a power density of 6.25 uW/cm<sup>2</sup>, the FM transmitter creates a power density of 9.03 uW/cm<sup>2</sup> for a total of 15.28 uW/cm<sup>2</sup> which is 3.13% of the allowable maximum for uncontrolled exposure.

At a distance of 10 meters, ATSC creates 6.24 uW/cm<sup>2</sup>, FM creates 8.97 uW/cm<sup>2</sup> for a total of 15.21 uW/cm<sup>2</sup> which is 7.61% of the allowable maximum for uncontrolled exposure.

At a distance of 20 meters, ATSC creates 6.21 uW/cm<sup>2</sup>, FM creates 11.51 uW/cm<sup>2</sup> for a total of 17.72 uW/cm<sup>2</sup> which is 8.86% of the allowable maximum for uncontrolled exposure.

At a distance of 30 meters, ATSC creates 6.15 uW/cm<sup>2</sup>, FM creates 14.65 uW/cm<sup>2</sup> for a total of 20.80 uW/cm<sup>2</sup> which is 10.4% of the allowable maximum for uncontrolled exposure.

At a distance of 36 meters, ATSC creates 6.11 uW/cm<sup>2</sup>, and FM creates its' maximum of 15.48 uW/cm<sup>2</sup> for a total of 21.59 uW/cm<sup>2</sup> which is 10.8% of the maximum for uncontrolled exposure. This is the highest combined level calculated for this site. The ATSC signal was already at maximum at distance zero (0) meters. All these amounts are calculated at a point 2 meters above ground (approximate head height).

The tower is enclosed in an eight foot high chain link fence, topped with three strands of barbed wire, and has a locked gate. We have posted RF hazard signs on all sides of the fence as well.

There are no other sources of AM, FM, or TV emissions on or near this tower site. When it is necessary to perform maintenance on this tower, we will reduce power or turn off the transmitters entirely as necessary to keep levels below the maximum allowed.