

RF exhibit for KTSD-TV and KTSD-FM licensed to Pierre, SD, transmitter site near Reliance, SD.

At this site there are two non-excluded transmitters: KTSD-TV (ATSC) will operate with an ERP of 21.4 kW (average) from a COR of 389 meters AGL. KTSD-FM operates with an ERP of 100 kW (H & V) from a COR of 345 meters AGL.

At the base of the tower (distance 0 meters) the ATSC transmitter creates a power density of 4.72 uW/cm², the FM transmitter creates a power density of 1.68 uW/cm² for a total of 6.40 uW/cm² which is 3.20% of the allowable maximum for uncontrolled exposure.

At a distance of 10 meters, ATSC creates 4.72 uW/cm², FM creates 1.68 uW/cm² for a total of 6.40 uW/cm² which is 3.20% of the allowable maximum for uncontrolled exposure.

At a distance of 20 meters, ATSC creates 4.71 uW/cm², FM creates 1.68 uW/cm² for a total of 6.39 uW/cm² which is 3.20% of the allowable maximum for uncontrolled exposure.

At a distance of 30 meters, ATSC creates 4.70 uW/cm², FM creates 1.66 uW/cm² for a total of 6.36 uW/cm² which is 3.18% of the allowable maximum for uncontrolled exposure.

At a distance of 40 meters, ATSC creates 4.68 uW/cm², FM creates 1.95 uW/cm² for a total of 6.63 uW/cm² which is 3.32% of the allowable maximum for uncontrolled exposure.

At a distance of 50 meters, ATSC creates 4.65 uW/cm², FM creates 2.22 uW/cm² for a total of 6.87 uW/cm² which is 3.44% of the allowable maximum for uncontrolled exposure.

At a distance of 60 meters, ATSC creates 4.62 uW/cm², FM creates 2.43 uW/cm² for a total of 7.05 uW/cm² which is 3.53% of the allowable maximum for uncontrolled exposure.

At a distance of 70 meters, ATSC creates 4.58 uW/cm², FM creates 2.58 uW/cm² for a total of 7.16 uW/cm² which is 3.58% of the allowable maximum for uncontrolled exposure.

At a distance from 73 to 78 meters, ATSC creates 4.56 uW/cm², and FM creates its' maximum of 2.61 uW/cm² for a total of 7.17 uW/cm² which is 3.59% 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.