Compliance with 47 C.F.R. 73.525

There are several considerations outlined in 47 C.F.R. 73.525 for TV channel 6 protection. Outlined below are the various factors as they apply to the proposed operation and KTVM-TV.

1. **Distance between proposed operation and KTVM-TV**
   47 C.F.R. 73.525(a)(1) requires a minimum separation of 196 kilometers for a channel 209 operation. The distance between the proposed station and KTVM-TV is 0.17 kilometers.

2. **Population Limitation**
   When a proposed non-commercial station is not co-located with the channel 6 station in question, the applicant is required to show that the interference area (as predicted by the procedures outlined in 47 C.F.R. 73.525(e)(1)) contains no more than 3,000 persons. The actual population figures are contained in Exhibit 18-B, and a map of the interference area is shown in Exhibit 18-C.

3. **Vertically Polarized Transmissions**
   When an applicant wises to use vertically polarized transmissions only, C.F.R. 74.525(e)(4) limits the vertical ERP to the maximum permissible horizontally polarized ERP multiplied by 40 (if the predicted interference area lies entirely outside the limits of a city of 50,000 persons) or 10 (if not). The proposed horizontally polarized ERP for the proposed facility is 0.03625 kilowatts. Since the predicted interference area lies entirely outside the limits of a city of 50,000 persons, that is multiplied by 40 to obtain the vertical-only ERP of 1.45 kilowatts specified in this application.

73.525 Compliance

Population in the predicted interference area was determined using the centroid method and the 2000 census. The predicted interference contour (of the theoretical horizontal component of 0.03625 kilowatts) is contained within the KTVM channel 6 90 dBu F(50,50) contour (see Exhibit 18-C).

The predicted interference contour is determined from 47 C.F.R. 73.599 for channel 209 to be 88.2 dBu. (See Exhibit 18-D for a tabulation of the KTVM protected contour values and the corresponding channel 209 interfering contours)

Exhibit 18-C shows the 90 dBu F(50,50) contour for KTVM and the corresponding F(50,10) interfering contour for the proposed channel 209 facility. Additionally shown is a population scattergraph of the area of proposed operation. A population report of the area contained within the interfering contour is included at Exhibit 18-E. The total population contained within the interfering contour is 0 persons

Therefore, the proposed operation is within the limitations of 47 CFR 73.525(c).

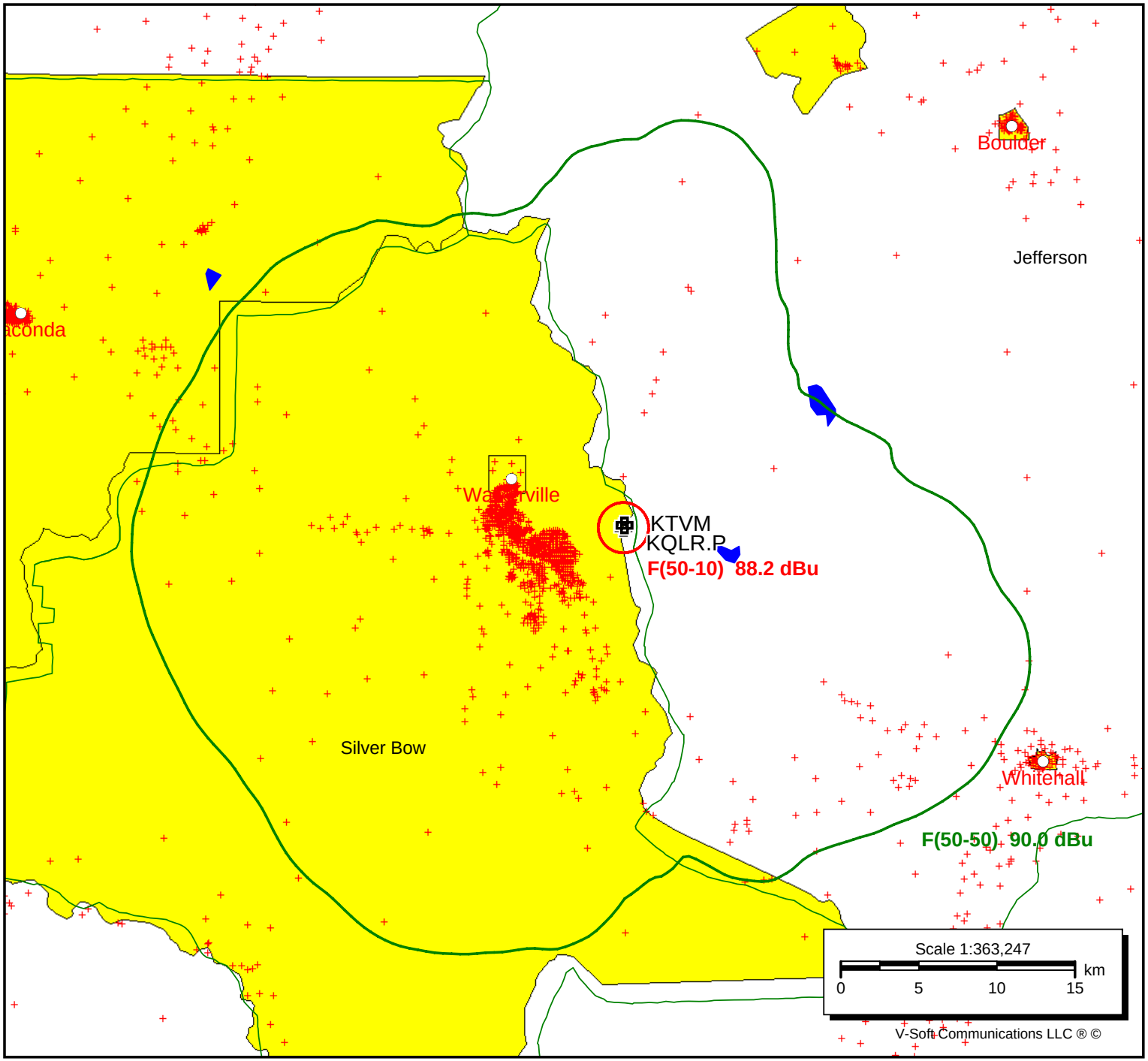
EMF BROADCASTING

Exhibit 18-C

KQLR.P

Latitude: 46-00-22 N
Longitude: 112-26-33 W
ERP: 0.0362 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 2523.0 m
Elevation: 2411.9 m
Horiz. Pattern: Omni
Prop Model:

KTVM
BLCT1991
Latitude: 46-00-27 N
Longitude: 112-26-30 W
ERP: 100.00 kW
Channel: 06+
Frequency: 85.5 MHz
AMSL Height: 2566.0 m
Elevation: 2441.0 m
Horiz. Pattern: Omni



Channel 6 vs Channel 209

Channel 6 Contour	Value from 73.599	Channel 209 Contour	Adjusted 6 dB
47 (grade B)	20.3	67.3	73.3
48	18.6	66.6	72.6
49	17.4	66.4	72.4
50	16.2	66.2	72.2
51	15.0	66.0	72.0
52	13.9	65.9	71.9
53	13.0	66.0	72.0
54	12.0	66.0	72.0
55	11.2	66.2	72.2
56	10.3	66.3	72.3
57	9.4	66.4	72.4
58	8.5	66.5	72.5
59	7.7	66.7	72.7
60	6.9	66.9	72.9
61	6.3	67.3	73.3
62	5.5	67.5	73.5
63	5.0	68.0	74.0
64	4.4	68.4	74.4
65	3.8	68.8	74.8
66	3.4	69.4	75.4
67	3.0	70.0	76.0

Channel 6 Contour	Value from 73.599	Channel 209 Contour	Adjusted 6 dB
68 (grade A)	2.5	70.5	76.5
69	2.3	71.3	77.3
70	2.0	72.0	78.0
71	1.7	72.7	78.7
72	1.4	73.4	79.4
73	1.3	74.3	80.3
74	0.9	74.9	80.9
75	0.7	75.7	81.7
76	0.5	76.5	82.5
77	0.4	77.4	83.4
78	0.1	78.1	84.1
79	-0.1	78.9	84.9
80	-0.2	79.8	85.8
81	-0.4	80.6	86.6
82	-0.6	81.4	87.4
83	-0.7	82.3	88.3
84	-0.9	83.1	89.1
85	-1.1	83.9	89.9
86	-1.2	84.8	90.8
87	-1.4	85.6	91.6
88	-1.6	86.4	92.4
89	-1.7	87.3	93.3
90	-1.8	**88.2**	94.2

Exhibit 18-E

V-Soft Communications Population Report

Contour Parameters:
Type: FCC Contour
F(50-10)   FS: 88.20 dBu [360 Radials]

Population Database: 2000 US Census (SF1)

Primary Terrain: V-Soft 30 Second US Database
Secondary Terrain: V-Soft 3 Second US Terrain

Transmitter Information:

Call Letters: KQLR.P
Latitude: 46-00-22 N
Longitude: 112-26-33 W
ERP: 0.0362 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 2523.0 m
Elevation: 2411.9 m
Horiz. Antenna Pattern: Omni
Vert. Elevation Pattern: No

Total Population Within Contour: 0
Total Housing Units Within Contour: 0
Total Area Within Contour: 8.14 sq. km
