

**73.525 Compliance**

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 KSVI-TV.

**1) Distance between proposed operation and KSVI-TV**

47 C.F.R. 73.525(a)(1) requires a minimum separation of 196 km for a channel 209 operation. The distance between the proposed station and KSVI-TV is 37.65 km.

**2) Population Limitation**

When a proposed non-commercial station is not co-located with the channel 6 station 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 maps of the interference area are shown in Exhibits 18-C and 18-D.

For the reasons outlined above, the proposed operation fully complies with the provisions of 47 C.F.R. 73.525.

**73.525 Compliance**

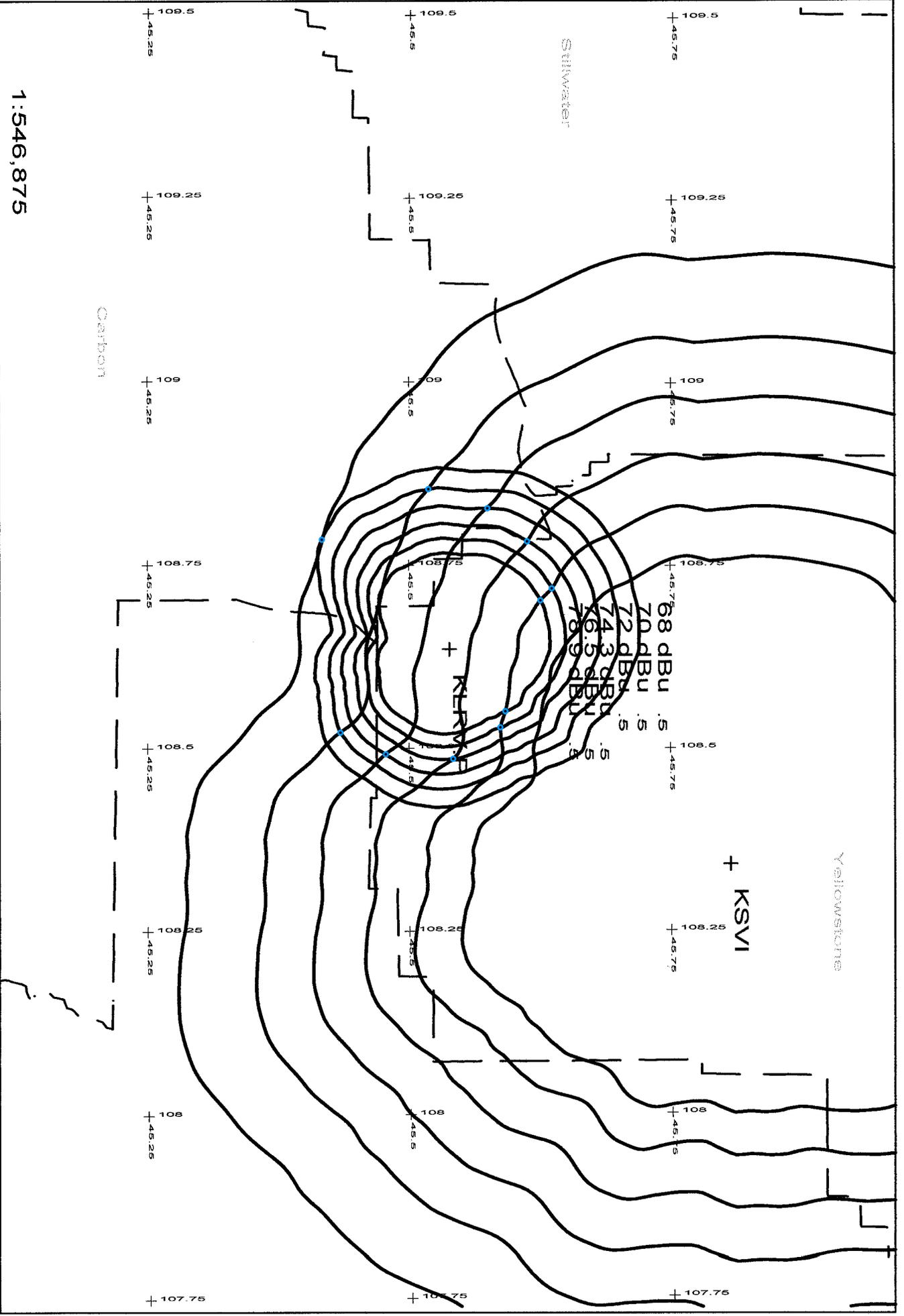
Population in the predicted interference area was determined using the centroid method and the 2000 census. The predicted interference contour contained within the KSVI channel 6 grade B (47 dBu F(50,50)) contour (see Exhibit 18-C).

The predicted interference contour is determined from 47 C.F.R. 73.599 for channel 209 to range from 68.0 dBu to 78.9 dBu. (See Exhibit 18-E for a tabulation of the KSVI protected contour values and the corresponding channel 209 interfering contours)

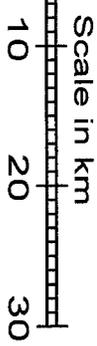
Exhibit 18-C shows the 63 dBu, 67 dBu, 70 dBu, 73 dBu, 76 dBu and the 79 dBu F(50,50) contours for KSVI. Also shown are the corresponding F(50,10) interfering contours for the proposed channel 209 facility. This map denotes, by a series of dots, the interpolated values of the interfering contours of the proposed operation as they relate to the protected contours of KSVI.

Exhibit 18-D shows only the KSVI Grade B contour, the proposed channel 209 78.9dBu F(50,10) contour, and the proposed operation's interpolated interfering contour, determined by joining the indicating marks on Exhibit 18-C. Additionally shown is a population scattergraph of the area of proposed operation. The centroids that are within the predicted interference area are indicated. The total population in these centroids is 1309 persons.

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



1:546,875



KLRV.P 209A .625kW 1539M AMSL  
 N. Lat. 45 32 20 W. Lng. 108 38 07

Exhibit 18-C  
 EMF - 11/03

Silver Lake

Yellowstone

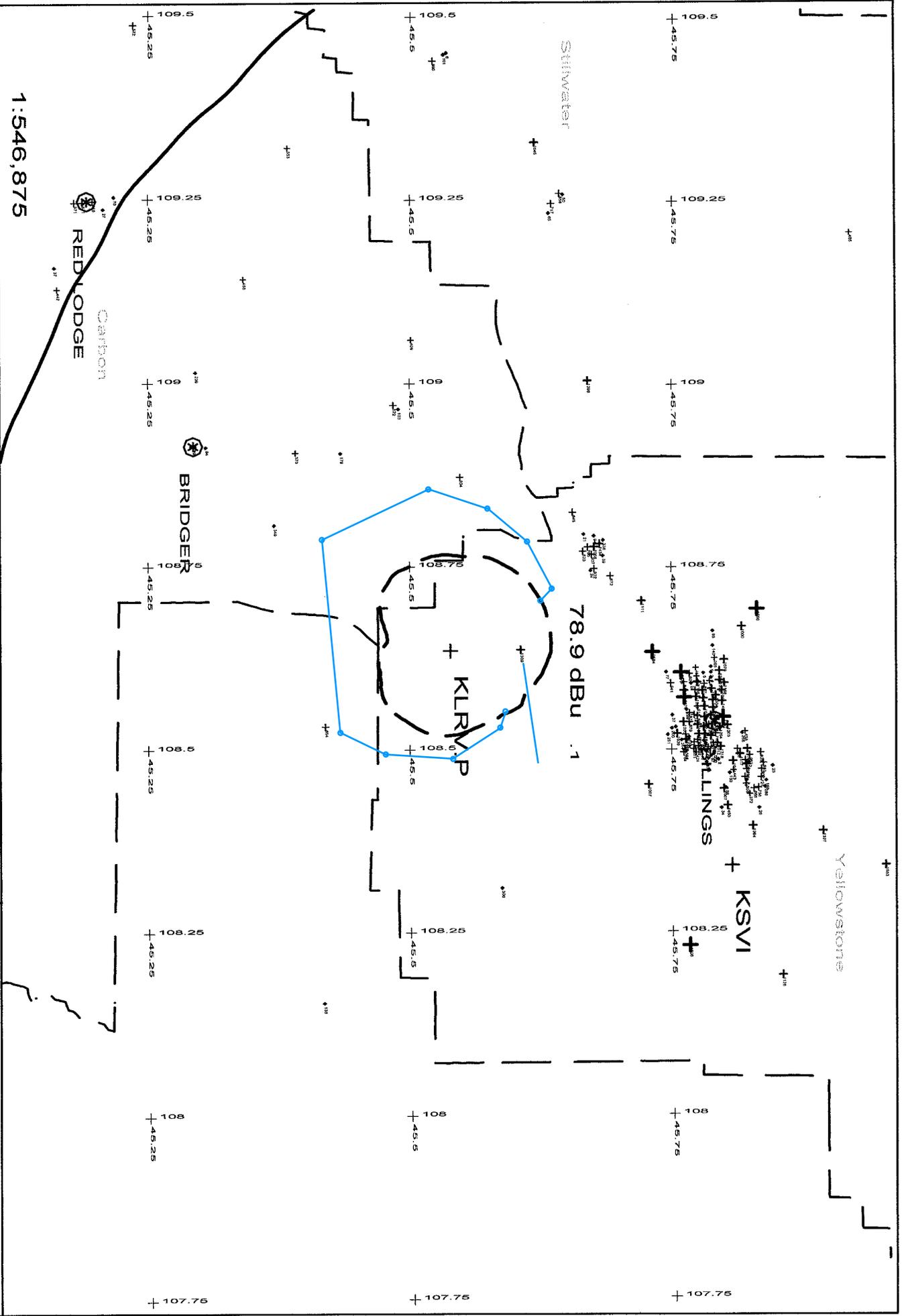
Carbon

KLRV

KSVI

78.9 dBu  
 76.5 dBu  
 74.3 dBu  
 72 dBu  
 70 dBu  
 68 dBu

109.5 +45.75  
 109.25 +45.75  
 109.5 +45.5  
 109.25 +45.5  
 109 +45.5  
 108.75 +45.75  
 108.5 +45.75  
 108.25 +45.75  
 108 +45.75  
 107.75 +45.75  
 109.5 +45.25  
 109.25 +45.25  
 109 +45.25  
 108.75 +45.25  
 108.5 +45.25  
 108.25 +45.25  
 108 +45.25  
 107.75 +45.25



Scale in km  
 0 10 20 30

1:546,875  
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 N. Lat. 45 32 20 W. Lng. 108 38 07

Exhibit 18-D  
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### 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
<b>63</b>	<b>5.0</b>	<b>68.0</b>	<b>74.0</b>
<b>64</b>	<b>4.4</b>	<b>68.4</b>	<b>74.4</b>
<b>65</b>	<b>3.8</b>	<b>68.8</b>	<b>74.8</b>
<b>66</b>	<b>3.4</b>	<b>69.4</b>	<b>75.4</b>
<b>67</b>	<b>3.0</b>	<b>70.0</b>	<b>76.0</b>

Channel 6 Contour	Value from 73.599	Channel 209 Contour	Adjusted 6 dB
<b>68 (grade A)</b>	<b>2.5</b>	<b>70.5</b>	<b>76.5</b>
<b>69</b>	<b>2.3</b>	<b>71.3</b>	<b>77.3</b>
<b>70</b>	<b>2.0</b>	<b>72.0</b>	<b>78.0</b>
<b>71</b>	<b>1.7</b>	<b>72.7</b>	<b>78.7</b>
<b>72</b>	<b>1.4</b>	<b>73.4</b>	<b>79.4</b>
<b>73</b>	<b>1.3</b>	<b>74.3</b>	<b>80.3</b>
<b>74</b>	<b>0.9</b>	<b>74.9</b>	<b>80.9</b>
<b>75</b>	<b>0.7</b>	<b>75.7</b>	<b>81.7</b>
<b>76</b>	<b>0.5</b>	<b>76.5</b>	<b>82.5</b>
<b>77</b>	<b>0.4</b>	<b>77.4</b>	<b>83.4</b>
<b>78</b>	<b>0.1</b>	<b>78.1</b>	<b>84.1</b>
<b>79</b>	<b>-0.1</b>	<b>78.9</b>	<b>84.9</b>
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