

Page #1, Waiver Request of Section 74.1204

K214CM Roseburg, OR 28 Watts ERP

Calvary Chapel of Twin Falls, Inc. 3/05

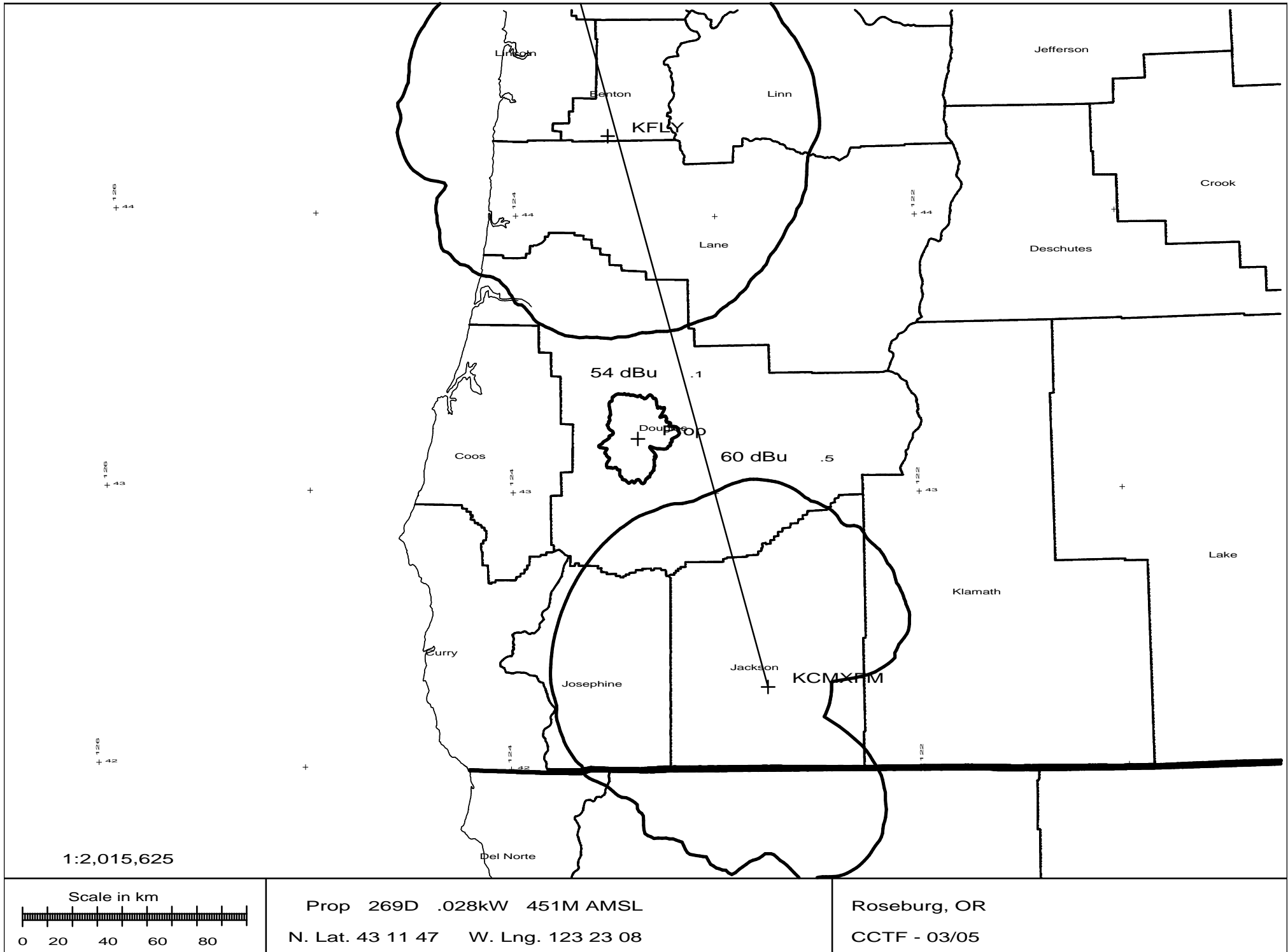
The proposed site is contained entirely inside the service contour of second-adjacent station KAVJ, Sutherlin, OR and third-adjacent FM Translator K272CO, Roseburg, OR

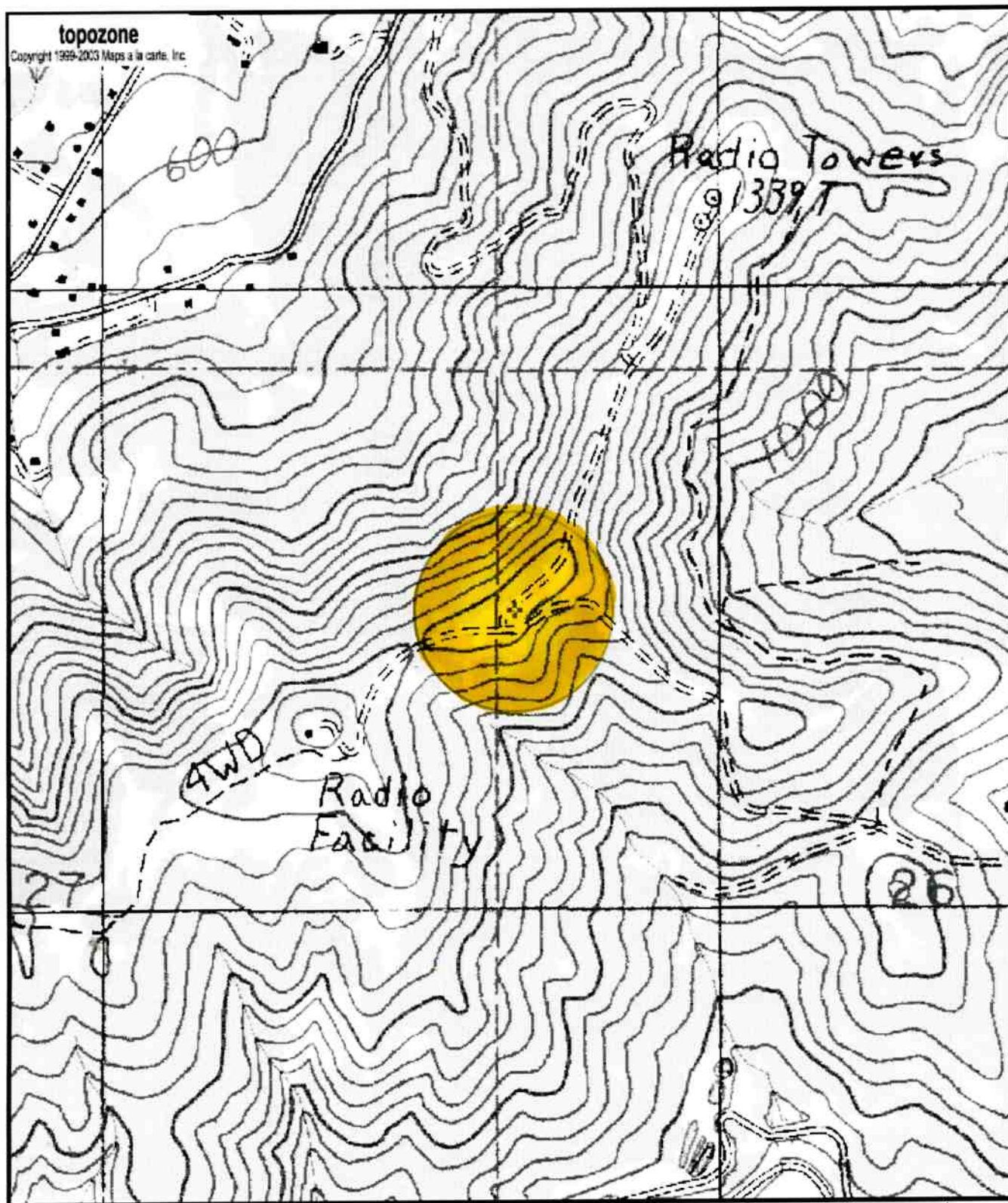
KAVJ

The proposed site is contained entirely inside the service contour of second-adjacent Station KAVJ Channel 266, Class C3, 3.6 kW, Sutherlin, OR. As shown by the map on **page #2** of this waiver request, the level of the second-adjacent station KAVJ arriving protected F(50,50) signal at the proposed transmitter site is 73-dBu. Using the Undesired-to-Desired method for calculating proposed interference (the basis of the FCC current contour overlap regulations and an acceptable method for the purposes of determining lack of interference for an FM Translator), the proposed interfering contour with respect to KAVJ is 113-dBu (free-space contour method employed). This means that the 113-dBu interfering signal would, in the worst case at the maximum radial, extend 85 meters, or .085 km, from the base of the tower. There is no population located within this .085 km interference area (See Topo Map, Roseburg West quadrangle) and Calvary Chapel of Twin Falls, Inc. respectfully requests a waiver of the FM translator contour overlap regulations with respect to second-adjacent channel station KAVJ.

K272CO

The proposed site is contained entirely inside the service contour of second-adjacent Station K272CO Channel 272, Class D, .031 kW, Roseburg, OR. As shown by the map on **page #2** of this waiver request, the level of the third-adjacent station K272CO arriving protected F(50,50) signal at the proposed transmitter site is 69.2-dBu. Using the Undesired-to-Desired method for calculating proposed interference (the basis of the FCC current contour overlap regulations and an acceptable method for the purposes of determining lack of interference for an FM Translator), the proposed interfering contour with respect to K272CO is 109.2-dBu (free-space contour method employed). This means that the 109.2-dBu interfering signal would, in the worst case at the maximum radial, extend 131 meters, or .131 km, from the base of the tower. There is no population located within this .131 km interference area (See Topo Map, Roseburg West quadrangle) and Calvary Chapel of Twin Falls, Inc. respectfully requests a waiver of the FM translator contour overlap regulations with respect to third-adjacent channel station K272CO.





0 0.1 0.2 0.3 0.4 0.5 km
0 0.09 0.18 0.27 0.36 0.45 mi
Map center is 43° 11' 47"N, 123° 23' 08"W (NAD27)
Roseburg West quadrangle
Projection is UTM Zone 10 NAD83 Datum

* M
G
M=16.874
G=-0.265

TERRAIN AND CONTOUR DATA
 CALVARY CHAPEL OF TWIN FALLS, INC.
 ROSEBURG, OR K214CM
 28 WATTS ERP
 3/1/2005
 N. Lat. = 43 11 47 W. Lng. = 123 23 08
 HAAT and Distance to Contour - FCC Method - 03 Arc Sec.

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	212.9	238.1	0.0280	-15.53	1.000	11.64
030	246.5	204.5	0.0280	-15.53	1.000	10.82
060	291.0	160.0	0.0280	-15.53	1.000	9.56
090	285.6	165.4	0.0280	-15.53	1.000	9.73
120	411.5	39.5	0.0280	-15.53	1.000	4.67
150	302.0	149.0	0.0280	-15.53	1.000	9.19
180	228.0	223.0	0.0280	-15.53	1.000	11.28
210	265.9	185.1	0.0280	-15.53	1.000	10.31
240	273.3	177.7	0.0280	-15.53	1.000	10.11
270	320.3	130.7	0.0280	-15.53	1.000	8.56
300	286.8	164.2	0.0280	-15.53	1.000	9.69
330	141.3	309.7	0.0280	-15.53	1.000	13.24

Ave El= 272.10 M HAAT= 178.90 M AMSL= 451 M