

Exhibit to Application
Supplemental Coverage of Community
FCC 301
KOSO , Patterson, California
Facility ID: 35426
January 2008

The proposed KOSO(FM), city grade contour (3.16 mV/m, 70 dBu) does not completely encompass the community of Patterson, CA, utilizing the standard FCC method of calculating the contour.¹ It is respectfully submitted that a supplemental method of depicting city grade coverage, as noted in §73.313(e) of the Commission's rules, is appropriate here. As shown below, the terrain between the proposed transmitting site and the city of Patterson, CA, varies widely from the 3.0 to 16.0 kilometer average with a Delta-H value of 470 along the 207 degree radial.

The city of Patterson, CA falls in an arc between radials 204° and 215° from the proposed KOSO(FM) transmitter site. Analyzing individual radials from the proposed KOSO(FM) site toward Patterson, we have determined the location of the city grade contour based on the standard utilization of the Commission's 50/50 curves (see Exhibits 1, 2 and 3).

We have alternatively determined the location of the 70 dBu (3.16 mV/m) contour using the Longley-Rice coverage model, based on NBS Technical Note #101 methodology. This alternative method provides a more representative prediction of field strength than the standard methodology. A summary of the data and a tabulation of the results of this report, at 1° interval along the additional cardinal radials toward Patterson, and 10° intervals elsewhere, are attached as Exhibit 3.

With reference to Exhibit 3, the supplemental depiction distances in the direction of concern are in excess of ten percent higher than the distances using the Commission's standard methodology.² Based on the Staff's policy,³ we find that the terrain on these pertinent radials varies widely from the average terrain assumed for the F(50,50) propagation curves in Section 73.333.

Using this supplemental method, as visually demonstrated in Exhibits 1 and 2 and documented in the tabulation in Exhibit 3, we find that the city grade contour, in the direction of Patterson, CA,⁴ extends 27.6 kilometers, which is well beyond the city limits of Patterson. Therefore, based on the supplemental depiction, we find that the city of

¹ § 73.313(c) and § 73.333.

² On average, 33% further utilizing the supplemental methodology.

³ Stated in a letter of August 8, 2002, regarding KMAJ-FM, Topeka, KS, File No. BPH-20000316ACF.

⁴ On a bearing of 207 degrees True from the KOSO(FM) transmitting tower site.

Patterson is completely encompassed by the city grade contour of the proposed KOSO(FM) facility in compliance with §73.315 of the Commission's rules.

Table of Exhibits included with this Supplemental Exhibit

Exhibit 1	60 dBu and 70 dBu contours, FCC method, and 70 dBu contour, supplemental (Longley-Rice) method.
Exhibit 2	As above, magnified near Patterson, CA, to demonstrate coverage to the community of license.
Exhibit 3	Tabulation of distances to the depicted contours utilizing the FCC and the supplemental methods, and the differences between the two, expressed as a percentage.

Exhibit 1

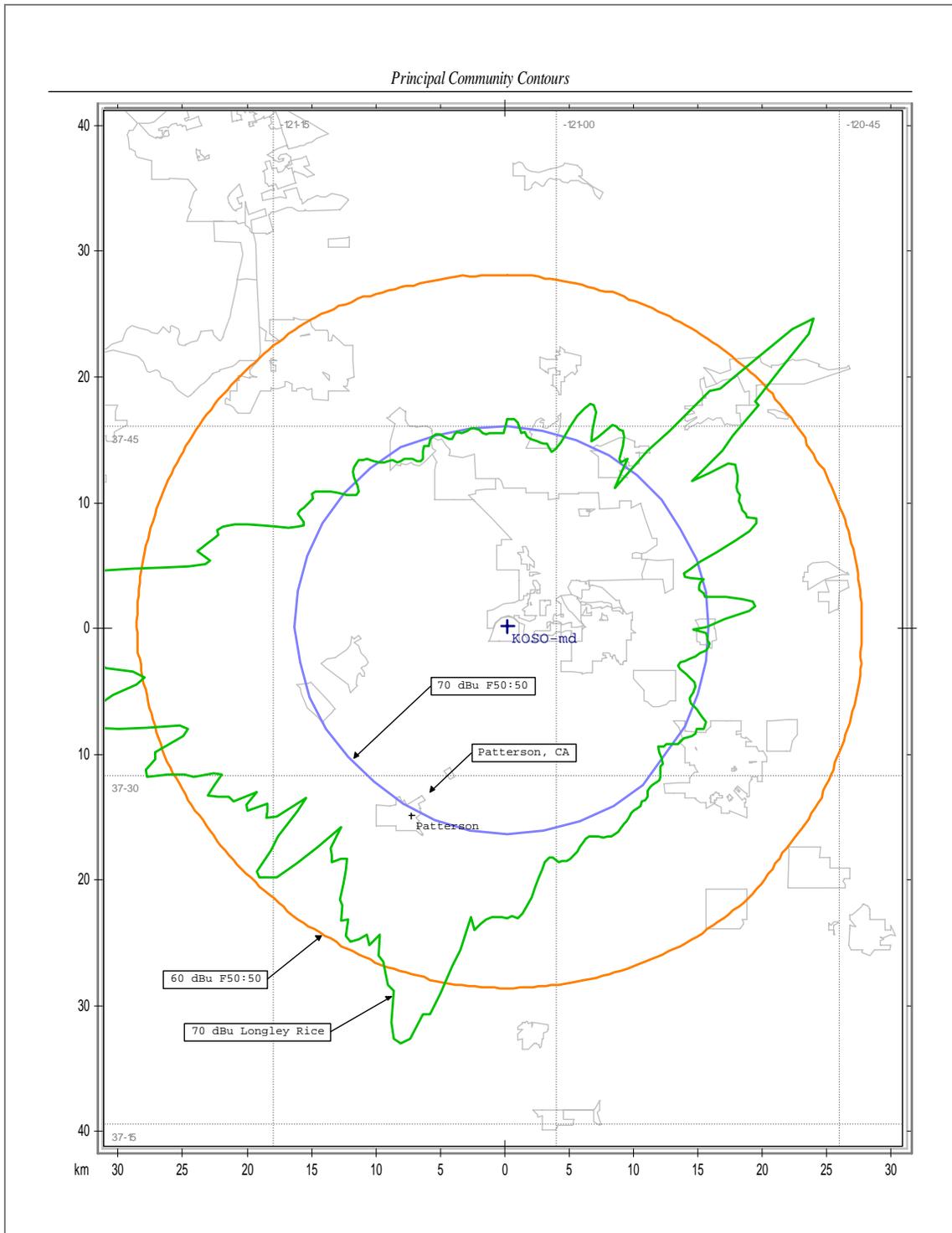


Exhibit 2

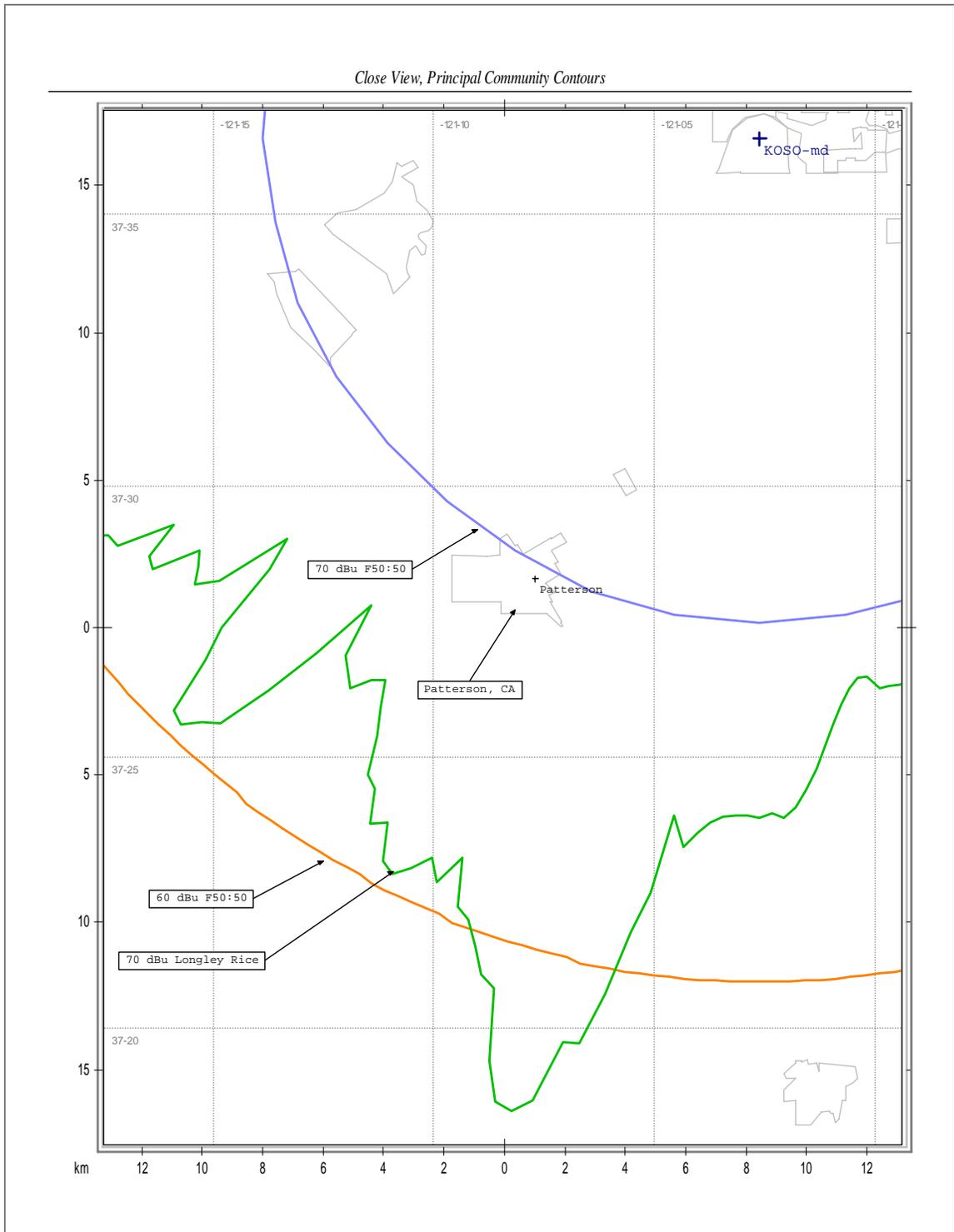


Exhibit 3

Radial			60 dBu FCC Method	70 dBu FCC Method	70 dBu Longley-Rice Method		
Bearing	HAAT	Delta H	Distance, km	Distance, km	Distance, km	Change %	Note
0	98	10	28.02	15.96	16.58	4%	
10	97	30	27.88	15.87	14.9	-6%	
20	96	70	27.75	15.77	18.85	20%	
30	96	100	27.75	15.77	18.07	15%	
40	96	270	27.75	15.77	24.5	55%	
50	95	180	27.61	15.68	21.86	39%	
60	94	240	27.48	15.59	20.92	34%	
70	95	60	27.61	15.68	17.36	11%	
80	95	60	27.61	15.68	15.57	-1%	
90	95	60	27.61	15.68	15.47	-1%	
100	96	50	27.75	15.77	14.48	-8%	
110	96	30	27.75	15.77	15.4	-2%	
120	98	40	28.02	15.96	16.98	6%	
130	98	20	28.02	15.96	15.53	-3%	
140	103	10	28.69	16.45	17.09	4%	
150	104	10	28.81	16.54	18.18	10%	
160	104	0	28.81	16.54	18	9%	
170	104	0	28.81	16.54	18.71	13%	
180	104	30	28.81	16.54	23.22	40%	
190	104	190	28.81	16.54	28.81	74%	2
200	103	410	28.69	16.45	28.39	73%	
204	102	410	28.56	16.35	26.9	65%	1
205	102	470	28.56	16.35	27.48	68%	1
206	102	470	28.56	16.35	27.94	71%	1
207	102	470	28.56	16.35	27.68	69%	1
208	101	410	28.44	16.26	26.44	63%	1
209	101	410	28.44	16.26	26.77	65%	1
210	101	440	28.44	16.26	25.64	58%	1
211	101	530	28.44	16.26	25.33	56%	1
212	101	530	28.44	16.26	24.07	48%	1
213	101	570	28.44	16.26	23.16	42%	1
214	101	480	28.44	16.26	22.3	37%	1
215	101	480	28.44	16.26	22.58	39%	1
220	100	660	28.3	16.16	22.97	42%	
230	100	700	28.3	16.16	23.48	45%	
240	101	760	28.44	16.26	26.93	66%	
250	102	940	28.56	16.35	28.56	75%	2
260	102	800	28.56	16.35	28.56	75%	2
270	104	530	28.81	16.54	28.81	74%	2
280	104	330	28.81	16.54	27.13	64%	
290	104	20	28.81	16.54	23.47	42%	
300	104	20	28.81	16.54	18.6	12%	
310	104	20	28.81	16.54	16.28	-2%	
320	104	20	28.81	16.54	17.38	5%	
330	104	10	28.81	16.54	15.48	-6%	
340	100	10	28.3	16.16	16.28	1%	
350	99	10	28.16	16.06	16.05	0%	
Average Change						33%	
Notes:							
1: Critical radials used to determine city grade service to Patterson, CA.							
2: Contour truncated at the distance to the FCC predicted 1.0 mv/m (60 dBu) contour.							