

MINOR CHANGE APPLICATION
THRESHOLD COMMUNICATIONS
K290BF FM TRANSLATOR STATION
CH 287D - 105.3 MHZ - 0.008 KW
MODESTO, CALIFORNIA
July 2010

EXHIBIT B1

Interference Review for K290BF on Channel 287 Modesto, California
Using Present Site as Reference

REFERENCE
 37 38 31.0 N.
 120 59 49.0 W.

CH# 287D - 105.3 MHz, Pwr= 0.008 kW, HAAT= 47.4 M, COR= 72.5 M
 Average Protected F(50-50)= 3.8 km
 Omni-directional

DISPLAY DATES
 DATA 07-27-10
 SEARCH 07-27-10

CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
290D Modesto	K290BF	LIC C CA	0.0 0.0	0.0 BLFT-20070706ADT	37 38 31.0 120 59 49.0	0.008	0.2 73	3.6 Threshold Communications	-3.7*<	-3.7
287B San Francisco	KITS	LIC CN CA	272.8 91.9	127.0 BLH-6240	37 41 20.0 122 26 07.0	15.000 366	144.2 424	76.1 CBS Radio East Inc.	-21.2*<	32.2
288A Copperopolis	KRVR	LIC C CA	36.9 217.1	42.7 BMLH-20010607AAX	37 56 55.0 120 42 16.0	1.000 238	53.2 489	35.0 Threshold Communications	-14.1*<	2.6
284B Planada	KHTN	LIC ZCX CA	97.7 278.3	86.3 BLH-20040309ACV	37 32 01.0 120 01 46.0	1.950 634	2.9 1334	67.6 Buckley Communications, Inc.	79.8	18.3
286B Sacramento	KNCI	LIC CN CA	355.8 175.8	111.3 BLH-19840815CB	38 38 31.0 121 05 25.0	50.000 152	88.0 333	74.3 CBS Radio Holdings Inc.	19.6	30.4
287D Pleasanton	KITS-FM2	LIC HN CA	277.3 96.7	88.6 BLFTB-19860619TN	37 44 18.0 121 59 38.0	0.044	56.6 571	17.6 CBS Radio East Inc.	28.0	58.5
290D Stockton	K290AG	LIC VN CA	324.0 143.8	43.3 BLFT-19980205TF	37 57 24.0 121 17 15.0	0.100 28	0.7 35	5.6 Family Stations, Inc.	38.7	37.5
289B Santa Clara	KVVF	LIC CN CA	245.1 64.6	74.1 BMLH-19930914KG	37 21 32.0 121 45 22.0	50.000 152	2.7 558	36.1 Univision Radio License Co.	67.4	37.6
287D Antioch	KITS-FM4	LIC DVN CA	298.8 118.3	80.9 BLFTB-19950522TE	37 59 19.0 121 48 18.0	0.330 -18	32.0 85	9.6 CBS Radio East Inc.	44.9	58.8
287D Los Banos	K287AS	LIC C CA	154.5 334.7	72.2 BLFT-20070604ADJ	37 03 17.0 120 38 46.0	0.190	22.1 47	6.6 Horizon Christian Fellowship	46.2	53.4
288L1 Merced	KGDM-LP	LIC CA	130.2 310.5	60.8 BLL-20041012AIP	37 17 18.0 120 28 21.0	0.094 8	7.9 65	5.5 Calvary Chapel of Merced	49.2	50.0
285A Sunnyvale	KCNL	LIC CX CA	242.3 61.8	75.8 BMLH-20080530AFR	37 19 22.0 121 45 15.0	6.000 -47	1.6 327	15.8 Principle Broadcasting Net	70.2	59.8
287D Walnut Creek	KITS-FM1	LIC HN CA	287.4 106.7	99.3 BLFTB-19890112TF	37 54 11.0 122 04 29.0	0.610	30.2 145	9.0 CBS Radio East Inc.	65.0	77.7

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin In KM

In & Out distances between contours are shown at closest points. Reference Zone = 1A, Co to 3rd adjacent.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

""affixed to 'IN' or 'OUT' values = site inside protected contour.

MINOR CHANGE APPLICATION
THRESHOLD COMMUNICATIONS
K290BF FM TRANSLATOR STATION
CH 287D - 105.3 MHZ - 0.008 KW
MODESTO, CALIFORNIA
July 2010

EXHIBIT B2

Predicted contour:

N. Lat. = 37 38 31 - Tabulated Protected and Interfering Contour Data
W. Lng. = 120 59 49 - K290BF FM Translator - Modesto, California

HAAT and Distance to Contour - NGDC 30 Second terrain database												
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	34-F1	40-F1	48-F1	54-F1	94-F1	100-F1
000	30.6	41.9	0.0080	-20.97	1.000	3.53	16.11	11.25	7.00	4.99	0.40	0.20
010	29.0	43.5	0.0080	-20.97	1.000	3.60	16.50	11.46	7.14	5.10	0.40	0.20
020	28.9	43.6	0.0080	-20.97	1.000	3.61	16.54	11.48	7.15	5.11	0.40	0.20
030	28.7	43.8	0.0080	-20.97	1.000	3.62	16.58	11.50	7.17	5.12	0.40	0.20
040	28.9	43.6	0.0080	-20.97	1.000	3.61	16.54	11.48	7.16	5.11	0.40	0.20
050	31.4	41.1	0.0080	-20.97	1.000	3.49	15.90	11.15	6.94	4.94	0.40	0.20
060	35.2	37.3	0.0080	-20.97	1.000	3.32	14.82	10.62	6.61	4.68	0.40	0.20
070	35.5	37.0	0.0080	-20.97	1.000	3.31	14.76	10.58	6.58	4.66	0.40	0.20
080	31.1	41.4	0.0080	-20.97	1.000	3.50	15.97	11.19	6.96	4.96	0.40	0.20
090	29.9	42.6	0.0080	-20.97	1.000	3.56	16.29	11.35	7.07	5.04	0.40	0.20
100	29.6	42.9	0.0080	-20.97	1.000	3.57	16.36	11.39	7.09	5.06	0.40	0.20
110	29.3	43.2	0.0080	-20.97	1.000	3.59	16.44	11.43	7.12	5.08	0.40	0.20
120	28.9	43.6	0.0080	-20.97	1.000	3.61	16.53	11.47	7.15	5.10	0.40	0.20
130	27.5	45.0	0.0080	-20.97	1.000	3.67	16.89	11.67	7.28	5.20	0.40	0.20
140	25.8	46.7	0.0080	-20.97	1.000	3.75	17.29	11.88	7.42	5.30	0.40	0.20
150	24.0	48.5	0.0080	-20.97	1.000	3.83	17.73	12.12	7.58	5.41	0.40	0.20
160	23.1	49.4	0.0080	-20.97	1.000	3.87	17.93	12.23	7.66	5.46	0.40	0.20
170	21.0	51.5	0.0080	-20.97	1.000	3.95	18.39	12.49	7.84	5.58	0.40	0.20
180	20.4	52.1	0.0080	-20.97	1.000	3.98	18.51	12.56	7.89	5.61	0.40	0.20
190	20.3	52.2	0.0080	-20.97	1.000	3.98	18.53	12.57	7.90	5.61	0.40	0.20
200	20.0	52.5	0.0080	-20.97	1.000	3.99	18.59	12.60	7.92	5.63	0.40	0.20
210	20.0	52.5	0.0080	-20.97	1.000	3.99	18.60	12.61	7.93	5.63	0.40	0.20
220	19.8	52.7	0.0080	-20.97	1.000	4.00	18.64	12.63	7.94	5.64	0.40	0.20
230	19.7	52.8	0.0080	-20.97	1.000	4.01	18.66	12.65	7.95	5.65	0.40	0.20
240	19.6	52.9	0.0080	-20.97	1.000	4.01	18.68	12.66	7.96	5.65	0.40	0.20
250	19.5	53.0	0.0080	-20.97	1.000	4.02	18.71	12.67	7.97	5.66	0.40	0.20
260	19.3	53.2	0.0080	-20.97	1.000	4.02	18.73	12.69	7.98	5.67	0.40	0.20
270	19.3	53.2	0.0080	-20.97	1.000	4.02	18.74	12.69	7.99	5.67	0.40	0.20
280	19.3	53.2	0.0080	-20.97	1.000	4.02	18.73	12.69	7.98	5.67	0.40	0.20
290	19.5	53.0	0.0080	-20.97	1.000	4.02	18.71	12.67	7.97	5.66	0.40	0.20
300	21.4	51.1	0.0080	-20.97	1.000	3.94	18.30	12.44	7.81	5.56	0.40	0.20
310	21.9	50.6	0.0080	-20.97	1.000	3.92	18.20	12.38	7.77	5.53	0.40	0.20
320	22.4	50.1	0.0080	-20.97	1.000	3.90	18.07	12.31	7.72	5.49	0.40	0.20
330	23.0	49.6	0.0080	-20.97	1.000	3.87	17.96	12.25	7.67	5.47	0.40	0.20
340	24.0	48.5	0.0080	-20.97	1.000	3.83	17.72	12.12	7.58	5.41	0.40	0.20
350	27.3	45.2	0.0080	-20.97	1.000	3.68	16.93	11.69	7.29	5.21	0.40	0.20

AMSL= 72.51 M