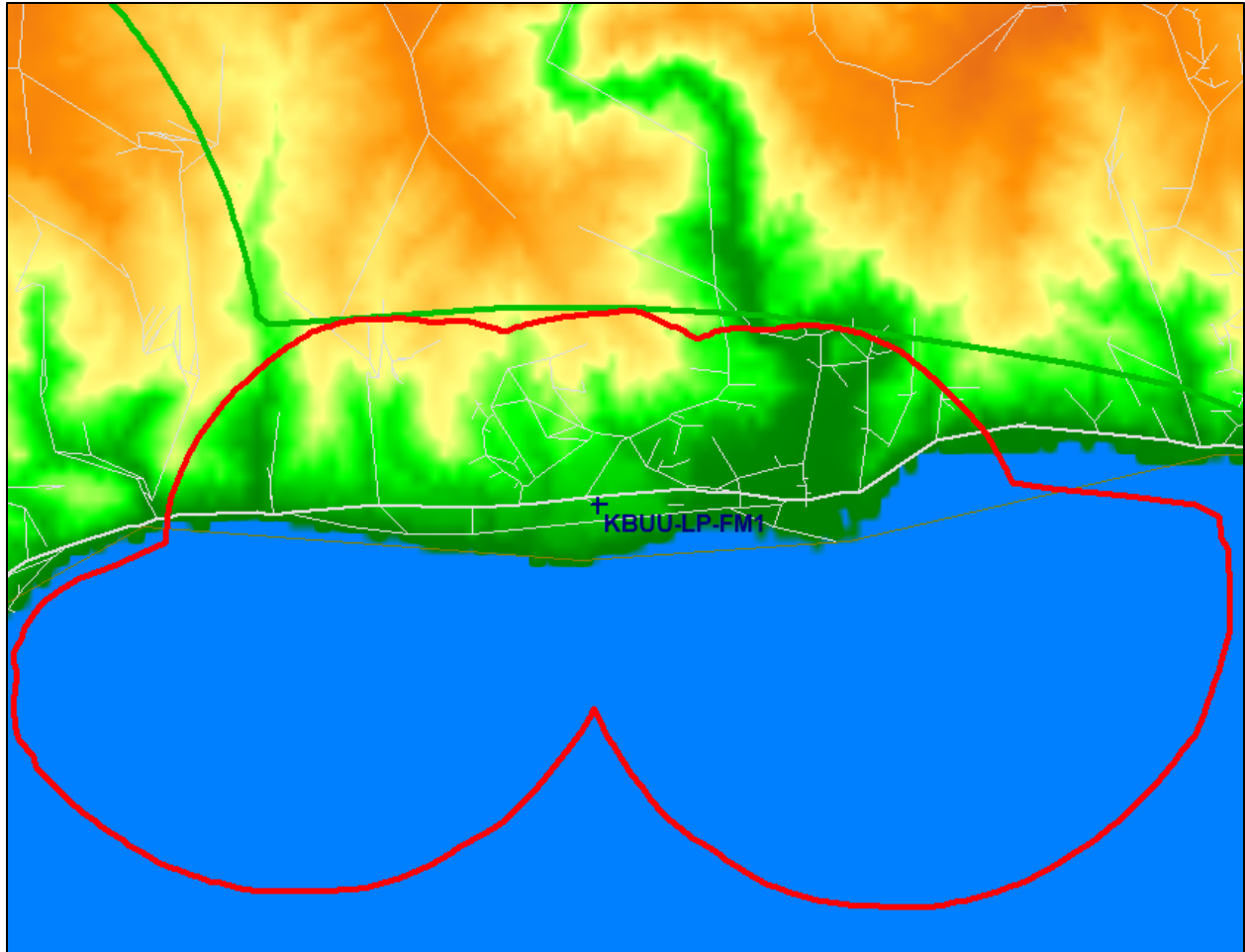




REC Networks/Michelle Bradley, CBT  
11541 Riverton Wharf Rd.  
Mardela Springs, MD 21837  
844.REC.LPFM/202.621.2355  
recnet.com

Original Construction Permit for KBUU-LP-FM1  
MALIBU BEACH, CA  
ZUMA BEACH FM EMERGENCY & COMMUNITY BROADCASTERS  
Replacement of CP 0000160873

### PROPOSED 60dBu F(50,50) SERVICE CONTOUR



MALIBU BEACH, CA ~ Channel 256D ~ 99.1 MHz ~ ERP 0.018 kW (H only)  
Elev: 54 meters ~ RCAGL: 7 meters ~ RCAMSL: 61 meters ~ HAAT: minus 92  
Overall tower height: 8 meters ~ ASR: None (no nearby airports)  
NAD83 Latitude: 34° 02' 01.8" NL ~ Longitude: 118° 42' 14.0" WL  
No AM stations within 3km  
Composite antenna: 2x Nicom BLK5-Horizontal at 101 and 261 degrees.

This is an application to replace expired construction permit 0000160873, originally granted January 6, 2022. There are changes between that granted permit and the instant application.

Site: KBUU-LP-FM1  
 Coordinates: 34-02-01.8 N, 118-42-14.0 W  
 Freq: 99.10000 MHz  
 ERP: 18.00 W

Bearing	ERP W	HAAT	DH	Distance	Lat	Lon
0	0.24	-190	360	1.58	34.048036	-118.702972
1	0.25	-187	330	1.58	34.048069	-118.702672
2	0.25	-191	320	1.59	34.048099	-118.702371
3	0.26	-195	330	1.59	34.048160	-118.702066
4	0.26	-201	310	1.60	34.048180	-118.701761
5	0.27	-209	310	1.61	34.048232	-118.701452
6	0.28	-217	310	1.61	34.048244	-118.701144
7	0.28	-226	300	1.61	34.048242	-118.700837
8	0.29	-233	330	1.62	34.048280	-118.700522
9	0.29	-239	440	1.62	34.048269	-118.700213
10	0.30	-243	430	1.63	34.048298	-118.699894
11	0.30	-245	380	1.63	34.048216	-118.699598
12	0.29	-247	420	1.62	34.048130	-118.699305
13	0.29	-250	490	1.62	34.048048	-118.699011
14	0.29	-251	490	1.62	34.047989	-118.698713
15	0.29	-253	520	1.62	34.047890	-118.698426
16	0.28	-254	460	1.61	34.047788	-118.698143
17	0.28	-256	430	1.61	34.047716	-118.697850
18	0.28	-257	400	1.61	34.047614	-118.697568
19	0.27	-259	390	1.61	34.047500	-118.697293
20	0.27	-264	440	1.61	34.047416	-118.697006
21	0.27	-272	410	1.61	34.047327	-118.696721
22	0.27	-282	420	1.61	34.047235	-118.696437
23	0.27	-292	350	1.61	34.047138	-118.696156
24	0.27	-304	430	1.61	34.047038	-118.695877
25	0.27	-317	340	1.61	34.046933	-118.695600
26	0.27	-330	300	1.61	34.046824	-118.695325
27	0.27	-341	300	1.61	34.046712	-118.695053
28	0.27	-349	320	1.61	34.046595	-118.694783
29	0.27	-355	310	1.61	34.046475	-118.694515
30	0.27	-361	430	1.61	34.046351	-118.694250
31	0.32	-366	550	1.64	34.046500	-118.693786
32	0.37	-371	580	1.68	34.046655	-118.693302
33	0.43	-377	530	1.72	34.046770	-118.692833
34	0.50	-384	520	1.75	34.046860	-118.692368
35	0.56	-392	430	1.78	34.046925	-118.691908
36	0.63	-402	550	1.80	34.046953	-118.691468
37	0.71	-412	620	1.83	34.046971	-118.691024
38	0.79	-420	670	1.85	34.046980	-118.690575
39	0.87	-427	590	1.88	34.046967	-118.690136
40	0.96	-430	680	1.90	34.046938	-118.689701
41	1.08	-432	670	1.93	34.046927	-118.689235
42	1.22	-434	560	1.96	34.046913	-118.688757
43	1.36	-434	620	1.98	34.046877	-118.688292
44	1.51	-431	540	2.02	34.046895	-118.687748
45	1.67	-425	540	2.08	34.047048	-118.687022
46	1.83	-414	380	2.13	34.047134	-118.686348
47	2.01	-401	380	2.18	34.047217	-118.685649
48	2.19	-388	450	2.23	34.047271	-118.684959
49	2.38	-376	520	2.28	34.047298	-118.684277
50	2.59	-367	650	2.33	34.047291	-118.683613
51	2.79	-360	520	2.37	34.047264	-118.682953
52	3.01	-355	500	2.42	34.047210	-118.682306
53	3.25	-352	280	2.46	34.047147	-118.681645
54	3.48	-352	290	2.50	34.047048	-118.681017
55	3.74	-355	480	2.54	34.046945	-118.680369
56	3.99	-359	460	2.58	34.046803	-118.679763
57	4.25	-362	550	2.62	34.046641	-118.679165
58	4.54	-361	500	2.65	34.046476	-118.678549
59	4.81	-354	420	2.69	34.046274	-118.677980
60	5.11	-344	400	2.72	34.046072	-118.677383
61	5.39	-333	530	2.75	34.045831	-118.676845
62	5.69	-321	510	2.78	34.045582	-118.676299
63	5.97	-308	420	2.81	34.045309	-118.675785
64	6.29	-295	370	2.84	34.045032	-118.675254
65	6.61	-282	390	2.87	34.044740	-118.674737

66	6.92	-270	330	2.90	34.044425	-118.674254
67	7.26	-261	310	2.92	34.044106	-118.673756
68	7.58	-253	320	2.95	34.043766	-118.673292
69	7.94	-243	270	2.98	34.043419	-118.672824
70	8.30	-234	250	3.00	34.043061	-118.672362
71	8.59	-227	260	3.03	34.042708	-118.671854
72	8.92	-223	250	3.06	34.042345	-118.671341
73	9.25	-219	270	3.10	34.041968	-118.670845
74	9.59	-211	270	3.13	34.041579	-118.670355
75	9.94	-199	210	3.16	34.041176	-118.669883
76	10.26	-185	150	3.18	34.040757	-118.669438
77	10.62	-170	160	3.21	34.040330	-118.668991
78	10.98	-152	160	3.24	34.039891	-118.668551
79	11.35	-131	170	3.27	34.039442	-118.668120
80	11.72	-106	140	3.30	34.038981	-118.667708
81	12.04	-82	150	3.32	34.038502	-118.667359
82	12.37	-58	120	3.35	34.038015	-118.667019
83	12.70	-36	130	3.37	34.037520	-118.666688
84	13.04	-18	110	3.39	34.037015	-118.666379
85	13.41	-2	90	3.41	34.036504	-118.666058
86	13.75	11	80	3.44	34.035984	-118.665769
87	14.10	22	80	3.46	34.035455	-118.665502
88	14.45	33	90	3.63	34.034967	-118.663597
89	14.81	44	100	4.24	34.034490	-118.656992
90	15.20	56	90	4.86	34.033822	-118.650213
91	15.40	60	70	5.04	34.033030	-118.648301
92	15.60	60	60	5.05	34.032234	-118.648142
93	15.84	60	60	5.08	34.031432	-118.647967
94	16.04	61	60	5.14	34.030598	-118.647355
95	16.28	61	60	5.16	34.029779	-118.647227
96	16.49	61	70	5.17	34.028958	-118.647148
97	16.69	61	100	5.19	34.028133	-118.647077
98	16.94	61	50	5.21	34.027301	-118.647001
99	17.15	61	40	5.22	34.026470	-118.646976
100	17.39	61	50	5.24	34.025632	-118.646937
101	17.36	61	50	5.24	34.024828	-118.647150
102	17.32	61	50	5.24	34.024027	-118.647381
103	17.29	61	50	5.24	34.023229	-118.647617
104	17.25	61	50	5.23	34.022436	-118.647881
105	17.25	61	50	5.23	34.021641	-118.648129
106	17.22	61	50	5.23	34.020858	-118.648426
107	17.18	61	50	5.23	34.020076	-118.648728
108	17.15	61	40	5.22	34.019302	-118.649057
109	17.11	61	30	5.22	34.018533	-118.649403
110	17.11	61	30	5.22	34.017761	-118.649733
111	16.83	61	30	5.20	34.017061	-118.650293
112	16.55	61	30	5.18	34.016376	-118.650875
113	16.28	61	30	5.16	34.015702	-118.651471
114	16.01	61	30	5.13	34.015041	-118.652079
115	15.74	61	30	5.11	34.014391	-118.652699
116	15.47	61	30	5.09	34.013758	-118.653340
117	15.20	61	30	5.07	34.013137	-118.653993
118	14.94	61	30	5.04	34.012525	-118.654647
119	14.68	61	30	5.02	34.011930	-118.655321
120	14.45	61	30	5.00	34.011338	-118.655987
121	14.07	61	40	4.97	34.010806	-118.656757
122	13.72	61	30	4.94	34.010275	-118.657506
123	13.37	61	30	4.91	34.009763	-118.658273
124	13.00	61	30	4.88	34.009281	-118.659075
125	12.67	61	30	4.85	34.008800	-118.659856
126	12.34	61	30	4.82	34.008338	-118.660653
127	11.99	61	30	4.79	34.007914	-118.661491
128	11.66	61	50	4.76	34.007490	-118.662308
129	11.35	61	90	4.72	34.007082	-118.663130
130	11.04	61	120	4.69	34.006695	-118.663966
131	10.64	61	190	4.65	34.006377	-118.664879
132	10.29	61	240	4.61	34.006065	-118.665777
133	9.94	61	310	4.57	34.005770	-118.666677
134	9.59	61	370	4.53	34.005500	-118.667585
135	9.25	61	300	4.49	34.005253	-118.668502
136	8.90	61	190	4.45	34.005050	-118.669448
137	8.57	61	120	4.41	34.004846	-118.670370

138	8.25	61	50	4.36	34.004673	-118.671304
139	7.94	61	10	4.32	34.004518	-118.672236
140	7.63	61	0	4.27	34.004388	-118.673172
141	7.28	61	0	4.22	34.004332	-118.674158
142	6.94	61	0	4.17	34.004303	-118.675144
143	6.61	61	0	4.11	34.004307	-118.676136
144	6.29	61	0	4.05	34.004338	-118.677125
145	5.97	61	0	4.00	34.004389	-118.678104
146	5.66	61	0	3.95	34.004384	-118.679013
147	5.37	61	0	3.90	34.004405	-118.679920
148	5.08	61	0	3.85	34.004457	-118.680831
149	4.79	61	0	3.80	34.004535	-118.681738
150	4.54	61	0	3.75	34.004614	-118.682623
151	4.25	61	0	3.69	34.004780	-118.683547
152	3.98	61	0	3.63	34.004972	-118.684462
153	3.73	61	0	3.58	34.005174	-118.685358
154	3.47	61	0	3.51	34.005441	-118.686268
155	3.24	61	0	3.45	34.005701	-118.687148
156	3.00	61	0	3.38	34.006043	-118.688047
157	2.77	61	0	3.31	34.006419	-118.688935
158	2.56	61	0	3.24	34.006796	-118.689795
159	2.35	61	0	3.16	34.007265	-118.690669
160	2.15	61	0	3.09	34.007725	-118.691509
161	1.97	61	0	3.01	34.008235	-118.692339
162	1.81	61	0	2.96	34.008547	-118.693061
163	1.65	61	0	2.90	34.008863	-118.693763
164	1.50	61	0	2.85	34.009209	-118.694454
165	1.36	61	0	2.79	34.009602	-118.695140
166	1.22	61	0	2.72	34.010060	-118.695822
167	1.09	61	0	2.66	34.010530	-118.696482
168	0.97	61	0	2.59	34.011047	-118.697129
169	0.86	61	0	2.52	34.011610	-118.697761
170	0.75	61	0	2.44	34.012220	-118.698375
171	0.67	61	0	2.38	34.012735	-118.698941
172	0.60	61	0	2.31	34.013294	-118.699490
173	0.53	61	0	2.24	34.013836	-118.700010
174	0.47	61	0	2.16	34.014494	-118.700520
175	0.41	61	0	2.09	34.015133	-118.700998
176	0.35	61	0	2.00	34.015897	-118.701459
177	0.30	61	0	1.94	34.016390	-118.701869
178	0.25	61	0	1.89	34.016889	-118.702258
179	0.21	61	0	1.82	34.017493	-118.702628
180	0.17	61	0	1.75	34.018102	-118.702972
181	0.20	61	0	1.80	34.017664	-118.703313
182	0.23	61	0	1.84	34.017267	-118.703670
183	0.25	61	0	1.89	34.016902	-118.704043
184	0.29	61	0	1.93	34.016561	-118.704429
185	0.32	61	0	1.96	34.016244	-118.704829
186	0.35	61	0	2.00	34.015952	-118.705240
187	0.39	61	0	2.06	34.015479	-118.705691
188	0.43	61	0	2.11	34.015040	-118.706159
189	0.47	61	0	2.16	34.014627	-118.706642
190	0.51	61	0	2.21	34.014240	-118.707140
191	0.59	61	0	2.30	34.013526	-118.707734
192	0.68	61	0	2.38	34.012885	-118.708344
193	0.78	61	0	2.46	34.012256	-118.708982
194	0.88	61	0	2.53	34.011727	-118.709621
195	0.99	61	0	2.60	34.011201	-118.710288
196	1.11	61	0	2.67	34.010766	-118.710952
197	1.23	61	0	2.73	34.010368	-118.711627
198	1.36	61	0	2.79	34.009975	-118.712324
199	1.49	61	0	2.84	34.009646	-118.713019
200	1.64	61	0	2.90	34.009331	-118.713731
201	1.81	61	0	2.96	34.009011	-118.714466
202	1.98	61	0	3.02	34.008689	-118.715227
203	2.18	61	0	3.10	34.008175	-118.716111
204	2.37	61	0	3.17	34.007752	-118.716980
205	2.59	61	0	3.25	34.007331	-118.717880
206	2.79	61	0	3.32	34.006993	-118.718763
207	3.01	61	0	3.39	34.006696	-118.719651
208	3.25	61	0	3.46	34.006394	-118.720571
209	3.48	61	0	3.52	34.006173	-118.721467

210	3.74	61	0	3.58	34.005946	-118.722394
211	3.99	61	0	3.64	34.005784	-118.723302
212	4.25	61	0	3.69	34.005662	-118.724206
213	4.52	61	0	3.75	34.005566	-118.725114
214	4.79	61	0	3.80	34.005496	-118.726028
215	5.09	61	0	3.85	34.005435	-118.726957
216	5.39	61	0	3.90	34.005423	-118.727870
217	5.69	61	0	3.95	34.005442	-118.728777
218	5.99	61	0	4.00	34.005487	-118.729685
219	6.31	61	0	4.06	34.005472	-118.730674
220	6.65	61	0	4.12	34.005456	-118.731692
221	6.94	61	0	4.17	34.005550	-118.732627
222	7.26	61	0	4.22	34.005649	-118.733581
223	7.58	61	0	4.27	34.005767	-118.734539
224	7.91	61	0	4.32	34.005911	-118.735495
225	8.25	61	0	4.36	34.006086	-118.736438
226	8.57	61	0	4.41	34.006300	-118.737360
227	8.92	61	0	4.45	34.006525	-118.738292
228	9.28	61	0	4.50	34.006769	-118.739224
229	9.64	61	0	4.54	34.007038	-118.740149
230	10.02	61	0	4.58	34.007331	-118.741065
231	10.31	61	0	4.62	34.007699	-118.741895
232	10.64	61	0	4.65	34.008066	-118.742747
233	10.98	61	0	4.69	34.008456	-118.743587
234	11.32	61	0	4.72	34.008862	-118.744423
235	11.66	61	0	4.76	34.009290	-118.745244
236	12.01	61	0	4.79	34.009734	-118.746060
237	12.37	61	0	4.82	34.010199	-118.746862
238	12.73	61	0	4.86	34.010680	-118.747656
239	13.10	61	0	4.89	34.011181	-118.748435
240	13.47	61	0	4.92	34.011698	-118.749206
241	13.75	61	0	4.94	34.012266	-118.749892
242	14.07	61	0	4.97	34.012842	-118.750579
243	14.35	61	0	4.99	34.013436	-118.751246
244	14.68	61	0	5.02	34.014026	-118.751941
245	15.00	61	0	5.05	34.014631	-118.752626
246	15.30	60	0	5.03	34.015422	-118.752835
247	15.64	60	0	5.06	34.016047	-118.753495
248	15.94	60	0	5.08	34.016696	-118.754113
249	16.28	59	0	5.07	34.017497	-118.754284
250	16.62	58	0	5.05	34.018297	-118.754437
251	16.69	57	0	5.01	34.019161	-118.754346
252	16.80	56	0	4.97	34.019998	-118.754307
253	16.90	55	0	4.94	34.020827	-118.754259
254	17.01	54	0	4.91	34.021652	-118.754181
255	17.11	54	0	4.92	34.022378	-118.754503
256	17.18	53	0	4.88	34.023215	-118.754305
257	17.29	51	0	4.78	34.024148	-118.753538
258	17.39	50	0	4.74	34.024961	-118.753278
259	17.50	48	0	4.64	34.025852	-118.752456
260	17.61	46	0	4.55	34.026714	-118.751623
261	17.43	43	0	4.36	34.027687	-118.749729
262	17.29	40	0	4.17	34.028605	-118.747788
263	17.15	35	0	3.88	34.029575	-118.744747
264	17.01	31	0	3.67	34.030377	-118.742574
265	16.87	27	0	3.61	34.030996	-118.742025
266	16.69	21	0	3.60	34.031567	-118.741981
267	16.55	14	0	3.60	34.032134	-118.741947
268	16.42	8	20	3.59	34.032701	-118.741891
269	16.28	1	20	3.58	34.033265	-118.741833
270	16.14	-7	20	3.57	34.033827	-118.741763
271	15.77	-24	20	3.55	34.034385	-118.741540
272	15.43	-41	100	3.54	34.034937	-118.741317
273	15.07	-57	110	3.52	34.035482	-118.741071
274	14.74	-78	120	3.50	34.036021	-118.740825
275	14.42	-99	200	3.48	34.036553	-118.740568
276	14.07	-120	260	3.46	34.037076	-118.740267
277	13.75	-140	300	3.44	34.037594	-118.739989
278	13.41	-156	320	3.41	34.038101	-118.739668
279	13.10	-172	370	3.39	34.038603	-118.739358
280	12.79	-190	390	3.37	34.039098	-118.739038
281	12.40	-210	450	3.35	34.039572	-118.738634

282	12.04	-229	450	3.32	34.040041	-118.738242
283	11.69	-246	480	3.30	34.040497	-118.737831
284	11.32	-258	460	3.27	34.040942	-118.737401
285	10.98	-270	460	3.24	34.041376	-118.736964
286	10.64	-284	460	3.22	34.041802	-118.736528
287	10.29	-297	460	3.19	34.042207	-118.736044
288	9.96	-310	490	3.16	34.042609	-118.735584
289	9.64	-325	560	3.13	34.042998	-118.735107
290	9.33	-337	590	3.10	34.043372	-118.734613
291	8.95	-346	590	3.07	34.043712	-118.734043
292	8.59	-354	640	3.03	34.044045	-118.733488
293	8.25	-359	670	3.00	34.044366	-118.732928
294	7.91	-363	670	2.97	34.044706	-118.732454
295	7.58	-368	660	2.95	34.045040	-118.731984
296	7.26	-377	640	2.92	34.045359	-118.731500
297	6.94	-390	590	2.90	34.045664	-118.731002
298	6.63	-406	590	2.87	34.045958	-118.730499
299	6.33	-421	560	2.85	34.046236	-118.729983
300	6.03	-434	550	2.82	34.046499	-118.729454
301	5.66	-445	520	2.78	34.046714	-118.728849
302	5.33	-455	550	2.75	34.046914	-118.728242
303	5.00	-462	540	2.71	34.047101	-118.727635
304	4.68	-464	560	2.67	34.047265	-118.727010
305	4.37	-459	530	2.63	34.047410	-118.726376
306	4.06	-448	530	2.59	34.047519	-118.725709
307	3.78	-436	380	2.55	34.047618	-118.725053
308	3.50	-422	370	2.50	34.047692	-118.724383
309	3.24	-409	360	2.46	34.047745	-118.723708
310	2.98	-397	350	2.41	34.047765	-118.723013
311	2.78	-387	310	2.37	34.047817	-118.722389
312	2.59	-377	280	2.33	34.047843	-118.721752
313	2.41	-369	280	2.29	34.047867	-118.721137
314	2.23	-362	280	2.24	34.047846	-118.720487
315	2.07	-354	330	2.20	34.047824	-118.719859
316	1.90	-346	320	2.15	34.047749	-118.719192
317	1.74	-338	250	2.10	34.047646	-118.718519
318	1.60	-328	250	2.05	34.047542	-118.717870
319	1.45	-319	250	2.00	34.047395	-118.717201
320	1.32	-310	230	1.98	34.047447	-118.716760
321	1.20	-304	220	1.95	34.047484	-118.716314
322	1.08	-303	180	1.93	34.047505	-118.715864
323	0.97	-304	250	1.90	34.047510	-118.715411
324	0.87	-303	250	1.88	34.047506	-118.714961
325	0.77	-302	240	1.85	34.047463	-118.714491
326	0.68	-300	260	1.82	34.047404	-118.714020
327	0.60	-299	270	1.79	34.047335	-118.713555
328	0.51	-298	280	1.75	34.047220	-118.713068
329	0.44	-295	300	1.72	34.047078	-118.712577
330	0.37	-293	300	1.68	34.046927	-118.712096
331	0.36	-291	300	1.67	34.046978	-118.711766
332	0.35	-289	280	1.66	34.047048	-118.711452
333	0.34	-286	270	1.66	34.047112	-118.711138
334	0.33	-283	290	1.65	34.047172	-118.710824
335	0.32	-280	310	1.64	34.047226	-118.710510
336	0.30	-278	310	1.63	34.047251	-118.710182
337	0.29	-278	290	1.62	34.047287	-118.709865
338	0.29	-279	410	1.62	34.047326	-118.709552
339	0.28	-281	310	1.61	34.047361	-118.709239
340	0.27	-282	340	1.60	34.047382	-118.708924
341	0.26	-281	430	1.60	34.047432	-118.708623
342	0.26	-277	370	1.59	34.047477	-118.708323
343	0.26	-273	380	1.59	34.047552	-118.708034
344	0.25	-268	410	1.59	34.047589	-118.707733
345	0.25	-264	430	1.59	34.047656	-118.707442
346	0.25	-257	370	1.59	34.047683	-118.707140
347	0.25	-247	390	1.58	34.047707	-118.706838
348	0.25	-236	490	1.58	34.047760	-118.706545
349	0.24	-229	520	1.58	34.047775	-118.706243
350	0.24	-225	470	1.58	34.047820	-118.705949
351	0.24	-223	430	1.58	34.047861	-118.705654
352	0.24	-219	390	1.58	34.047897	-118.705358
353	0.24	-218	360	1.58	34.047930	-118.705061

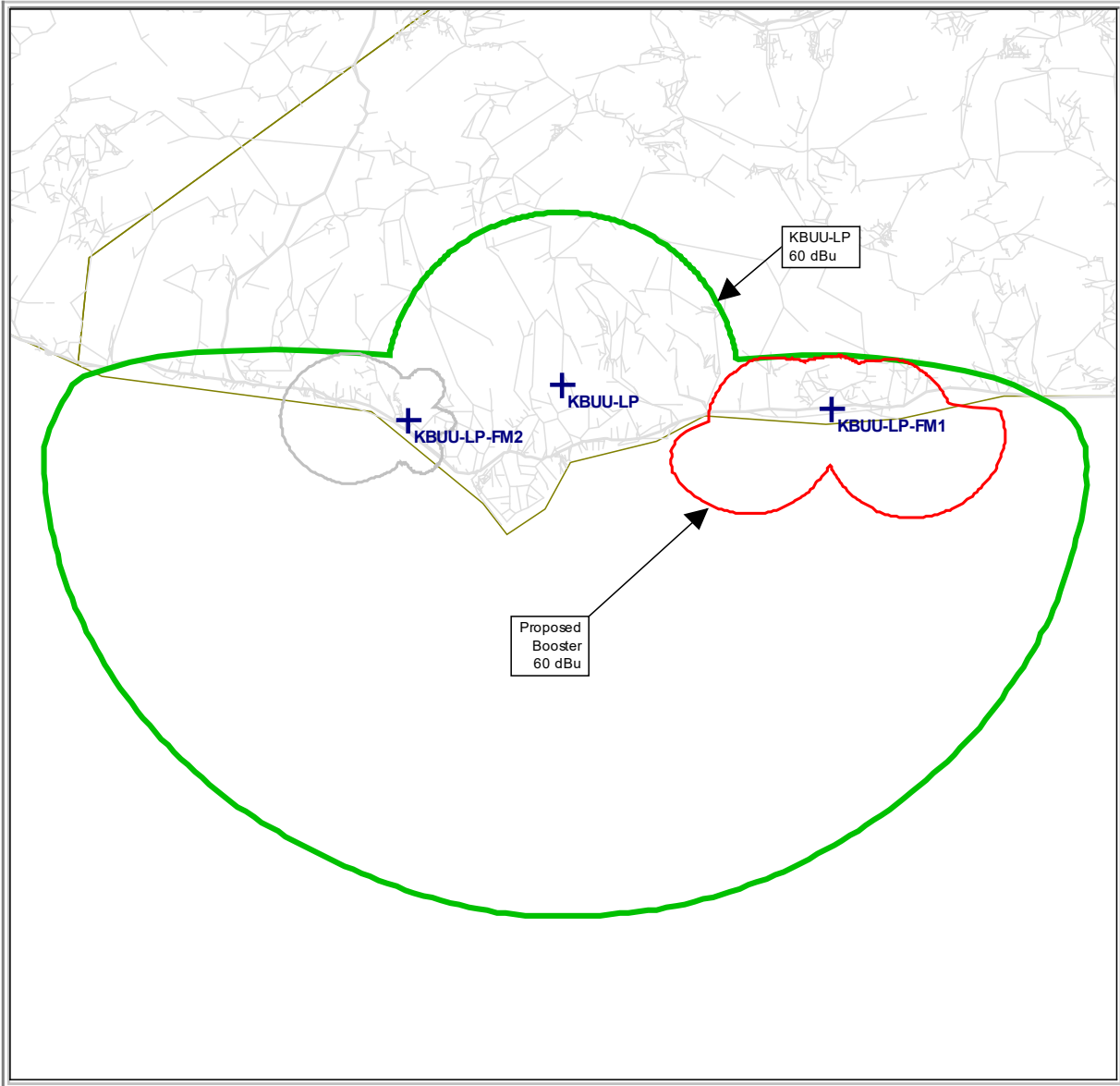
354	0.24	-217	310	1.58	34.047958	-118.704764
355	0.24	-215	330	1.58	34.047981	-118.704466
356	0.24	-208	320	1.58	34.048001	-118.704168
357	0.24	-200	370	1.58	34.048016	-118.703869
358	0.24	-195	310	1.58	34.048027	-118.703570
359	0.24	-192	340	1.58	34.048033	-118.703271

#### **§74.1204 Protection Considerations**

The nearest first-adjacent channel station is KJBU-LP, Oxnard, CA on Channel 257LP100. The proposed booster places an approximate 19.5 dBu interfering contour at the 60 dBu protected service contour and therefore the signal of KJBU-LP well exceeds the signal of the proposed booster at all points within the KJBU-LP protected contour, pursuant to §74.1204(i).

The proposed booster is for an ERP less than 100 watts and therefore is treated as a Class D station and is not subject to intermediate frequency separation requirements, pursuant to §74.1204(g).

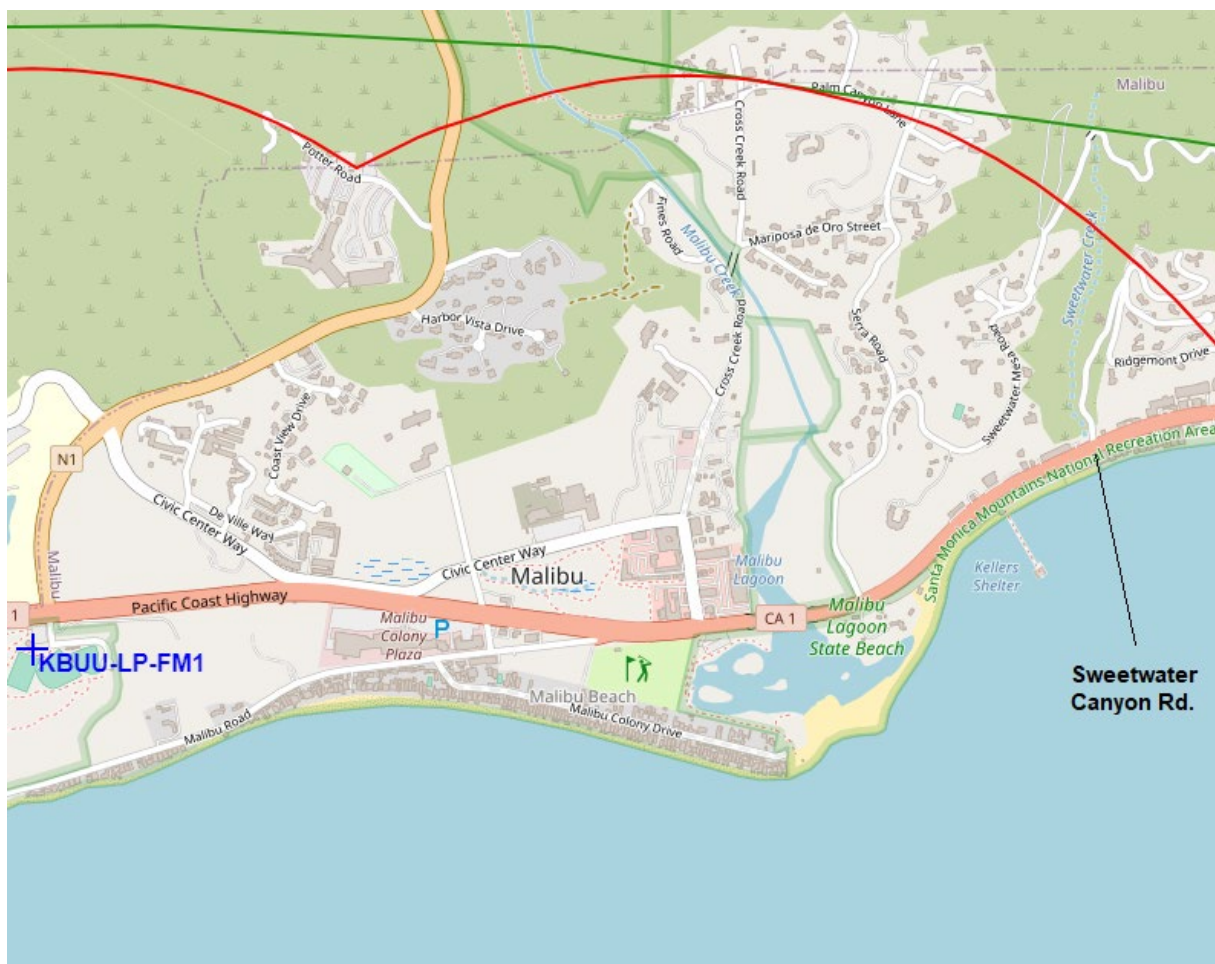
## Booster Service Contour - Inside Primary Service Contour

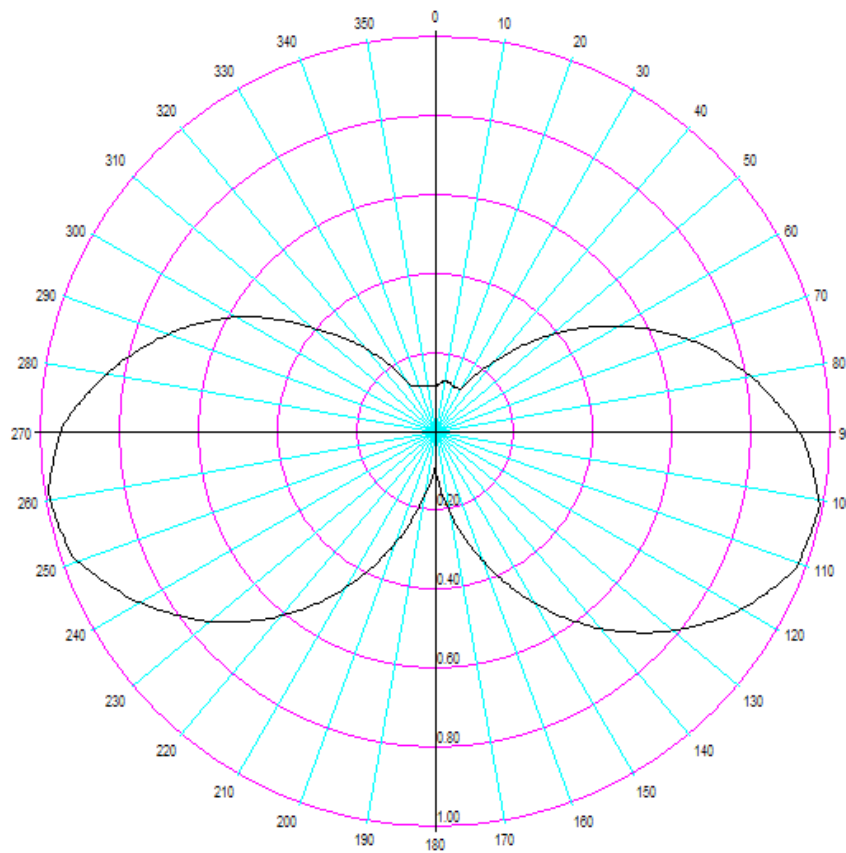




**Fill-in coverage claims are based on the use of FCC30 terrain data and the original FCC TVFMFS source code** which properly applies the free space method on extremely low powers and short contour distances as opposed to the current Contours API that is used internally at the FCC and available externally for general public use.

Due to the issues we had with the previous grant of this application, please see email from Michelle Bradley to Robert Gates and James Bradshaw on January 6, 2022 at 11:52 AM ET.





Azim	Rel.FS	ERP [W]	dBk
0.0	0.116	0.242	-36.158
5.0	0.122	0.268	-35.720
10.0	0.130	0.304	-35.168
15.0	0.128	0.295	-35.303
20.0	0.123	0.272	-35.649
25.0	0.123	0.272	-35.649
30.0	0.123	0.272	-35.649
35.0	0.171	0.526	-32.787
40.0	0.231	0.960	-30.175
45.0	0.304	1.663	-27.790
50.0	0.379	2.586	-25.874
55.0	0.456	3.743	-24.268
60.0	0.533	5.114	-22.913
65.0	0.607	6.632	-21.784
70.0	0.679	8.299	-20.810
75.0	0.744	9.964	-20.016
80.0	0.807	11.722	-19.310
85.0	0.864	13.437	-18.717

Azim	Rel.FS	ERP [W]	dBk
90.0	0.919	15.202	-18.181
95.0	0.954	16.382	-17.856
100.0	0.983	17.393	-17.596
105.0	0.983	17.393	-17.596
110.0	0.975	17.111	-17.667
115.0	0.939	15.871	-17.994
120.0	0.896	14.451	-18.401
125.0	0.841	12.731	-18.951
130.0	0.783	11.036	-19.572
135.0	0.718	9.279	-20.325
140.0	0.651	7.628	-21.176
145.0	0.577	5.993	-22.224
150.0	0.502	4.536	-23.433
155.0	0.424	3.236	-24.900
160.0	0.346	2.155	-26.666
165.0	0.274	1.351	-28.692
170.0	0.204	0.749	-31.255
175.0	0.149	0.400	-33.984

Azim	Rel.FS	ERP [W]	dBk
180.0	0.098	0.173	-37.623
185.0	0.123	0.272	-35.649
190.0	0.168	0.508	-32.941
195.0	0.232	0.969	-30.138
200.0	0.302	1.642	-27.847
205.0	0.378	2.572	-25.897
210.0	0.456	3.743	-24.268
215.0	0.532	5.094	-22.929
220.0	0.608	6.654	-21.769
225.0	0.678	8.274	-20.823
230.0	0.746	10.017	-19.992
235.0	0.806	11.693	-19.321
240.0	0.865	13.468	-18.707
245.0	0.914	15.037	-18.228
250.0	0.961	16.623	-17.793
255.0	0.979	17.252	-17.632
260.0	0.989	17.606	-17.543
265.0	0.972	17.006	-17.694

Azim	Rel.FS	ERP [W]	dBk
270.0	0.947	16.143	-17.920
275.0	0.898	14.515	-18.382
280.0	0.843	12.792	-18.931
285.0	0.782	11.007	-19.583
290.0	0.720	9.331	-20.301
295.0	0.650	7.605	-21.189
300.0	0.579	6.034	-22.194
305.0	0.495	4.410	-23.555
310.0	0.407	2.982	-25.255
315.0	0.337	2.044	-26.895
320.0	0.271	1.322	-28.788
325.0	0.207	0.771	-31.128
330.0	0.144	0.373	-34.280
335.0	0.127	0.290	-35.371
340.0	0.122	0.268	-35.720
345.0	0.119	0.255	-35.936
350.0	0.116	0.242	-36.158
355.0	0.116	0.242	-36.158

Peak lobes at 101 and 261 degrees.