TECHNICAL EXHIBIT

APPLICATION FOR CONSTRUCTION PERMIT

FOR NON-RESERVED CHANNEL

TRANSLATOR STATION

K252EH

PARK CITY, UTAH

CH 256D 50 WATTS -115 M

July 6, 2009

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SALT LAKE CITY, UT

INTRODUCTION

This technical exhibit has been prepared on behalf of Phasor Physics, Inc., in support of an application requesting a modification of the license for FM Translator Station K252EH, Park City, Utah.

This proposal would not be subject to environmental processing in accordance with Section 1.1306. It is believed that this proposal conforms to all applicable rules and regulations of the FCC.

This application proposes that a waiver of FCC Rules be granted so that K252EH may relocate to FM Channel 256, a fourth adjacent channel. Presently, College Creek Media, LLC, the licensee of Station KADQ-FM, Evanston, Wyoming, has pending, in FCC File No. BPH-20080325AIH, an application to modify KADQ-FM's license to operate on co-Channel 252. In the event that application is granted, K252EH would cause impermissible interference to KADQ-FM and would have to discontinue operations.

As evidenced by the appended information, K252EH has determined that there are no first, second, third adjacent channels or IF channels that the Station can apply for without causing or suffering impermissible interference. Figures 1-6 show that prohibited overlap would occur on each of these channels. The closest available channel is a fourth adjacent channel, Channel 256.

Figure 1 shows that, if K252EH were moved to Channel 249, the interfering contour would overlap with KBZN and KBZN-1.

Figure 2 shows that, if K252EH were moved to Channel 250, the interfering contour would overlap with KBZN and KBZN-1.

Figure 3 shows that, if K252EH were moved to Channel 251, the interfering contour would overlap with KBZN and KBZN-1.

Figure 4 shows that, if K252EH were moved to Channel 253, the interfering contour would overlap with KBEE.

Figure 5 shows that, if K252EH were moved to Channel 254, the interfering contour would overlap with KBEE.

Figure 6 shows that, if K252EH were moved to Channel 255, the interfering contour would overlap with KBEE.

K252EH requests that the Commission waive the provisions of Section 74.1233(a)(1) of the Commission's Rules that would otherwise consider a relocation to a fourth adjacent channel to be a "major change" which would require the opening of a window before an application could be filed. K252EH submits that since there are no available channels that are less than fourth adjacent channels, the effect of KADQ-FM's proposed operation on Channel 252 would be to require the permanent termination of the operations of K252EH. In that K252EH provides a valuable service to the community of Park City, listeners in Park City should not lose the service and only a waiver of Section 74.1233(a)(1) would permit K252EH's broadcast service to remain in operation.

A waiver of the rules, to allow K252EH to migrate to Channel 256, will enable K252EH to continue to operate and is in the best interest of the Station and its listeners. Accordingly, the public interest would be well served by allowing a minor change to a fourth adjacent channel given the unique circumstances attendant to this request. On the basis of the unique circumstances presented and that the public interest is well-served by a waiver of the major change rule in order to permit the Station to continue to serve the public, K252EH urges that it has overcome the high hurdle for waiver requests and is entitled to the waiver it is seeking. *See WAIT Radio v. FCC*, 418 F. 2d 1153, 1157 (D.C. Cir. 1969), *cert denied*, 409 U.S. 1027 (1972).

Proposed Station Data

Output Frequency: 99.1 MHz.

Input Frequency: 88.1 MHz.

Channel: 256

ERP: 50 watts

Class: D

Proposed Antenna Location

The geographic coordinates (NAD 27) of the proposed site are as follows:

North Latitude: 40-40-58 N

West Longitude: 111-31-21 W

Transmitting Antenna

ANTENNA: SWR Model FM1, single bay.

Interference

The proposed translator station is co-located in a remote area; see Figure 11. Overlap with the pertinent contours of the proposed station and any first, second, third adjacent and IF channel stations, is shown in Table 1 and the interfering contours are displayed in Figures 7-10.

The co-channel interfering contours of the proposed station, KNYN-FM, Fort Bridger, WY, and K256AE, Provo, UT are shown in Figure 7. This figure shows that there is no prohibited contour overlap.

As allowed, the 40 dBu interfering contour of the proposed translator station is calculated using RadioSoft Comstudy and the Longely-Rice matrix-based method. Table 4 shows the data used in determining the matrix-based contour.

In addition, KNYN-FM, Fort Bridger, WY, currently holds a CP to move to channel 280C1.

The 1st adjacent interfering contours of the proposed station and K257AY, Randolph-Woodruff, UT, are shown in Figure 8. There is no contour overlap.

The 2nd and 3rd adjacent interfering contours of the proposed station, KBEE, Salt Lake City, UT, KJMY, Bountiful, UT, and KJMY-2, Park City, UT, are shown in Figure 9. Although the interference contours are given in 47 CFR § 74.1204 (a)(3), FCC 02-244, Section II.A.5 states that *"when demonstrating that 'no actual interference will occur due to...other factors,' pursuant to Section 74.1204 (d), an applicant may use the undesired-to-desired signal ratio method."*

The undesired-to-desired ratio for second and third adjacent stations required by 47 CFR § 74.1204 (a)(3) is 40 dB. Calculated interference contours between the proposed station and pertinent stations are shown in Table 2. The interfering contour of the proposed translator was calculated for 12 radials and plotted on a USGS quadrangle map.

Although contour overlap occurs, the area of overlap is entirely over unpopulated area. As demonstrated on the USGS quadrangle map in Figure 11, there are no populated structures or highways within the contours. The contours encompass a road, but it is a dirt road for access to the transmitter site. Hence, in accordance with 47 CFR § 74.1204 (d)

and in FCC 02-244, a lack of population has been demonstrated within the area of interference.

Regarding IF channel spacing, 47 CFR § 74.1204 (g) states that *"...translator stations will be treated the same as Class A stations..."* Table 1 shows that the pertinent FM translator stations have the required spacing with the proposed station.

Unattended Operation

The proposed station will comply with all rules and requirements regarding unattended operation.

Multiple Translators

The applicant certifies that it does not have any interest in an FM translator that serves substantially the same area and that rebroadcasts the same signal as the proposed translator.

Environmental Considerations

The station will operate with an effective radiated power of 50 watts from a single-bay non-directional antenna, mounted on an existing tower.
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As the ERP of the proposed station is less than 100 watts, it is in compliance with 47 CFR § 1.1307 (b) (4) (i).

Access to the transmitting site is restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such

as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radio-frequency radiation will not exceed the FCC guidelines.

Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Distance_km	Sep	Clr
K252EH	UT	PARK CITY	99.1	256	34	D	APP	0.08	0	-30.16 dB
KNYN	WY	FORT BRIDGER	99.1	256	27500	C1	LIC	90.63	0	-18.79 dB
KJMY	UT	BOUNTIFUL	99.5	258	39000	C	LIC	54.49	0	-17.36 dB
KBEE	UT	SALT LAKE CITY	98.7	254	40000	C	LIC	54.51	0	-17.39 dB
K256AE	UT	PROVO	99.1	256	250	D	LIC	56.89	0	-17.51 dB
KJMY-FM2	UT	PARK CITY	99.5	258	1000	D	LIC	19.53	0	-16.70 dB
KJMY	UT	BOUNTIFUL	99.5	258	5000	C	LIC	54.49	0	-8.29 dB
KJMY	UT	BOUNTIFUL	99.5	258	0	C	USE	54.49	0	9.25 dB
KBEE	UT	SALT LAKE CITY	98.7	254	0	C	USE	54.51	0	9.26 dB
K256BB	UT	NORTH OGDEN	99.1	256	24	D	LIC	83.78	0	10.22 dB
KGNT	UT	SMITHFIELD	99.1	256	3000	A	CP	127.45	0	15.53 dB
KCPW-FM	UT	SALT LAKE CITY	88.3	202	2000	A	CP	25.2	10	15.2
K203AB	UT	RURAL SUMMIT COUNTY	88.5	203	26	D	LIC	19.48	0	19.5
KCPW-FM	UT	SALT LAKE CITY	88.3	202	2350	A	LIC	32.29	10	22.3
NEW	UT	MOUNT PLEASANT	99.1	256	250	D	APP	128.08	0	22.02 dB
	UT	NEPHI	99.1	256	0	C	RSV	102.54	0	23.40 dB
K257AY	UT	RANDOLPH-WOODRUFF	99.3	257	30	D	LIC	109.91	0	27.87 dB
KGNT	UT	SMITHFIELD	99.1	256	0	A	USE	127.45	0	27.19 dB
KSIT	WY	ROCK SPRINGS	99.7	259	99000	C	LIC	218.7	0	35.54 dB
KIFX	UT	ROOSEVELT	98.5	253	3200	C2	LIC	155.15	0	38.10 dB

TABLE 1: Pertinent first, second, third adjacent, and IF channel stations spaced with proposed station.

Callsign	State	City	Channel	F(50,50) at proposed site	D (dBu)	Predicted F(50,10)
KJMY	UT	BOUNTIFUL	258	77	40	117
KBEE	UT	SALT LAKE CITY	254	77	40	117
KJMY-FM2	UT	PARK CITY	258	76	40	116

TABLE 2: Minimum F(50, 10) contour of proposed station based on pertinent second-adjacent channels and in accordance with 47 CFR § 74.1204 (d) and in FCC 02-244.

Site: PROPOSED
Coordinates: 40-40-58.0 N, 111-31-21.0 W
Freq: 99.10000 MHz
ERP: 50.00 W

Bearing	ERP W	HAAT	DH	Distance	Lat	Lon
0	50	13	670	4.74	40.725366	-111.5225
30	50	151	530	10.68	40.765951	-111.45908
60	50	148	770	10.57	40.730249	-111.41388
90	50	31	1190	4.8	40.682764	-111.46554
120	50	136	930	10.1	40.637319	-111.41885
150	50	39	680	5.38	40.640843	-111.4906
180	50	-315	850	4.74	40.640189	-111.5225
210	50	-687	1620	4.74	40.645892	-111.55057
240	50	-457	1590	4.74	40.661473	-111.57112
270	50	-367	1210	4.74	40.682764	-111.57866
300	50	-33	960	4.74	40.704062	-111.57115
330	50	157	450	10.9	40.767695	-111.58725

TABLE 3: HAAT and ERP for proposed station, 12 radials.

Site: PROPOSED
Coordinates: 40-40-58.0 N, 111-31-21.0 W
Freq: 99.10000 MHz
ERP: 50.00 W

Bearing	ERP-W	HAAT-m	DH	Distance-m	Lat-N	Lon-W
0	50	13	670	2.38	40.70422	-111.523
1	50	-13	760	2.39	40.7043	-111.522
2	50	-11	760	2.39	40.7043	-111.522
3	50	-10	730	2.4	40.7043	-111.521
4	50	0	720	2.54	40.7056	-111.52
5	50	17	710	2.5	40.70517	-111.52
6	50	28	690	2.52	40.70528	-111.519
7	50	38	630	2.57	40.70576	-111.519
8	50	47	530	2.66	40.70645	-111.518
9	50	55	500	2.75	40.70723	-111.517
10	50	54	510	2.85	40.70802	-111.517
11	50	60	540	2.96	40.70887	-111.516
12	50	61	460	3.1	40.71003	-111.515
13	50	68	540	3.26	40.71133	-111.514
14	50	71	610	3.4	40.71247	-111.513
15	50	83	680	3.5	40.71318	-111.512
16	50	88	580	3.58	40.71377	-111.511
17	50	103	610	3.66	40.71428	-111.51
18	50	101	550	3.71	40.71451	-111.509
19	50	112	550	3.71	40.71435	-111.508
20	50	124	460	3.66	40.71369	-111.508
21	50	132	460	3.6	40.713	-111.507
22	50	148	420	3.59	40.7127	-111.507
23	50	164	400	3.63	40.71286	-111.506
24	50	179	370	3.64	40.71271	-111.505
25	50	202	390	3.62	40.71233	-111.504
26	50	201	340	3.56	40.71156	-111.504
27	50	207	350	3.5	40.71084	-111.504
28	50	170	370	3.46	40.71024	-111.503
29	50	170	500	3.42	40.7097	-111.503
30	50	151	530	3.39	40.70918	-111.502
31	50	151	460	3.37	40.70877	-111.502
32	50	142	390	3.39	40.70863	-111.501
33	50	126	400	3.44	40.70875	-111.5
34	50	129	410	3.45	40.70849	-111.5
35	50	130	370	3.44	40.70811	-111.499
36	50	127	380	3.4	40.70754	-111.499
37	50	131	380	3.39	40.70711	-111.498
38	50	150	400	3.38	40.70675	-111.498
39	50	153	380	3.4	40.70654	-111.497
40	50	159	410	3.44	40.70648	-111.496
41	50	164	470	3.45	40.70622	-111.496

42	50	155	520	3.45	40.70586	-111.495
43	50	159	560	3.43	40.70534	-111.495
44	50	165	560	3.38	40.70461	-111.495
45	50	160	480	3.28	40.70365	-111.495
46	50	158	420	3.16	40.70254	-111.496
47	50	163	340	3.03	40.70139	-111.496
48	50	164	460	2.88	40.70013	-111.497
49	50	166	420	2.74	40.69896	-111.498
50	50	170	490	2.76	40.69871	-111.497
51	50	160	530	2.85	40.69894	-111.496
52	50	160	560	3.03	40.69956	-111.494
53	50	150	590	3.26	40.70043	-111.492
54	50	140	610	3.5	40.7013	-111.489
55	50	144	610	3.72	40.70195	-111.486
56	50	148	630	3.88	40.70227	-111.484
57	50	143	650	3.95	40.70213	-111.483
58	50	142	720	3.92	40.70144	-111.483
59	50	147	710	3.83	40.7005	-111.484
60	50	148	770	3.82	40.69995	-111.483
61	50	144	790	3.83	40.69946	-111.483
62	50	143	870	3.85	40.69901	-111.482
63	50	137	900	3.88	40.69861	-111.481
64	50	157	1130	3.92	40.69822	-111.481
65	50	157	1060	3.94	40.69775	-111.48
66	50	156	1100	3.96	40.69725	-111.48
67	50	154	990	3.96	40.69667	-111.479
68	50	153	1000	3.94	40.69606	-111.479
69	50	138	960	3.92	40.6954	-111.479
70	50	124	800	3.91	40.69479	-111.479
71	50	121	580	3.9	40.69419	-111.479
72	50	112	680	3.89	40.69358	-111.479
73	50	111	900	3.88	40.69298	-111.478
74	50	110	1070	3.87	40.69237	-111.478
75	50	100	1090	3.87	40.69178	-111.478
76	50	100	990	3.88	40.69121	-111.478
77	50	92	980	3.9	40.69065	-111.477
78	50	86	1020	3.91	40.69008	-111.477
79	50	92	1020	3.92	40.68949	-111.477
80	50	89	1110	3.84	40.68877	-111.478
81	50	83	1130	3.69	40.68797	-111.479
82	50	81	1150	3.7	40.6874	-111.479
83	50	80	1140	3.97	40.68712	-111.476
84	50	76	1160	4.25	40.68676	-111.472
85	50	71	1210	4.74	40.68648	-111.467
86	50	71	1290	5.45	40.68618	-111.458
87	50	62	1290	6.12	40.68564	-111.45
88	50	36	1200	6.62	40.68483	-111.444
89	50	31	1200	6.87	40.68383	-111.441

90	50	31	1190	6.85	40.68275	-111.441
91	50	31	1140	6.66	40.68171	-111.444
92	50	14	1110	6.48	40.68072	-111.446
93	50	27	1070	6.12	40.67988	-111.45
94	50	28	1070	5.82	40.6791	-111.454
95	50	19	1010	5.88	40.67815	-111.453
96	50	20	980	5.85	40.67726	-111.454
97	50	14	960	5.63	40.67658	-111.456
98	50	13	960	5.26	40.67618	-111.461
99	50	34	950	4.83	40.67597	-111.466
100	50	46	880	4.37	40.67594	-111.471
101	50	45	850	3.96	40.67597	-111.476
102	50	48	790	3.61	40.67601	-111.481
103	50	53	800	3.28	40.67614	-111.485
104	50	63	820	3.35	40.67548	-111.484
105	50	63	1000	3.55	40.67451	-111.482
106	50	71	920	3.58	40.67389	-111.482
107	50	84	850	3.47	40.67365	-111.483
108	50	83	790	3.5	40.67303	-111.483
109	50	91	810	3.75	40.67179	-111.48
110	50	100	770	4.04	40.67035	-111.478
111	50	106	830	4.38	40.66864	-111.474
112	50	110	970	4.75	40.66678	-111.47
113	50	112	930	5.07	40.66493	-111.467
114	50	134	870	5.36	40.66317	-111.464
115	50	142	790	5.53	40.66175	-111.463
116	50	140	890	5.54	40.66093	-111.463
117	50	137	910	5.34	40.66096	-111.466
118	50	134	850	5.31	40.66033	-111.467
119	50	131	940	5.31	40.65961	-111.467
120	50	136	930	5.35	40.65871	-111.468
121	50	146	880	5.4	40.65774	-111.468
122	50	153	930	5.44	40.65683	-111.468
123	50	165	960	5.48	40.65592	-111.468
124	50	167	960	5.63	40.65443	-111.467
125	50	181	980	5.83	40.65268	-111.466
126	50	183	1050	6.06	40.65072	-111.464
127	50	190	1040	6.29	40.64871	-111.463
128	50	181	940	6.45	40.64705	-111.462
129	50	175	970	6.54	40.64577	-111.462
130	50	165	970	6.55	40.6449	-111.463
131	50	161	940	6.38	40.6451	-111.465
132	50	145	990	6.08	40.64619	-111.469
133	50	138	980	5.71	40.64772	-111.473
134	50	127	980	5.39	40.6491	-111.477
135	50	106	920	5.01	40.65088	-111.48
136	50	95	930	4.94	40.65081	-111.482
137	50	74	930	5.12	40.64912	-111.481

138	50	49	1000	5.46	40.64629	-111.479
139	50	44	1030	5.89	40.64278	-111.477
140	50	36	1040	6.28	40.6395	-111.475
141	50	41	930	6.62	40.63652	-111.473
142	50	50	910	6.9	40.63389	-111.472
143	50	57	890	7.1	40.63177	-111.472
144	50	62	910	7.17	40.63059	-111.473
145	50	52	860	7.12	40.63034	-111.474
146	50	45	940	7.2	40.62907	-111.475
147	50	37	770	7.3	40.6277	-111.475
148	50	35	740	7.38	40.62645	-111.476
149	50	32	680	7.44	40.62539	-111.477
150	50	39	680	7.47	40.62455	-111.478
151	50	-5	700	7.34	40.62501	-111.48
152	50	-10	740	7.39	40.62407	-111.481
153	50	-56	870	7.58	40.62203	-111.482
154	50	-63	980	7.89	40.61897	-111.482
155	50	-85	990	8.39	40.61435	-111.48
156	50	-95	1040	8.6	40.61212	-111.481
157	50	-87	1080	8.53	40.61215	-111.483
158	50	-128	1010	8.2	40.61436	-111.486
159	50	-151	920	7.66	40.61847	-111.49
160	50	-185	810	6.93	40.62416	-111.494
161	50	-197	790	6.1	40.63092	-111.499
162	50	-223	860	5.53	40.63551	-111.502
163	50	-226	870	5.17	40.63835	-111.505
164	50	-236	840	5.08	40.63883	-111.506
165	50	-234	740	5.27	40.63702	-111.506
166	50	-203	690	5.13	40.63802	-111.508
167	50	-191	610	5.32	40.63613	-111.508
168	50	-170	640	5.88	40.63105	-111.508
169	50	-149	760	6.47	40.62561	-111.508
170	50	-146	830	7.08	40.62007	-111.508
171	50	-157	880	7.41	40.61696	-111.509
172	50	-176	900	7.39	40.61692	-111.51
173	50	-186	800	7.3	40.61763	-111.512
174	50	-198	810	7.08	40.61949	-111.514
175	50	-199	820	6.75	40.62229	-111.516
176	50	-226	830	6.46	40.62482	-111.517
177	50	-262	790	6.65	40.62308	-111.518
178	50	-260	740	6.99	40.61997	-111.52
179	50	-294	820	7.21	40.61791	-111.521
180	50	-315	850	7.38	40.61635	-111.523
181	50	-315	1000	7.21	40.61795	-111.524
182	50	-315	1070	6.84	40.62129	-111.525
183	50	-346	1100	6.63	40.62326	-111.527
184	50	-358	980	6.47	40.62472	-111.528
185	50	-387	880	6.42	40.62527	-111.529

186	50	-391	1010	6.54	40.62431	-111.531
187	50	-389	910	6.78	40.62225	-111.532
188	50	-415	780	7.03	40.62019	-111.534
189	50	-438	720	7.32	40.61778	-111.536
190	50	-461	940	7.62	40.61527	-111.538
191	50	-488	1130	7.91	40.61294	-111.54
192	50	-510	1410	8.1	40.6115	-111.542
193	50	-532	1460	8.27	40.61027	-111.545
194	50	-542	1560	8.23	40.61096	-111.546
195	50	-592	1550	8.16	40.6119	-111.548
196	50	-595	1610	8.15	40.61233	-111.549
197	50	-627	1610	8.1	40.61307	-111.551
198	50	-621	1590	8.02	40.6142	-111.552
199	50	-602	1590	7.94	40.61527	-111.553
200	50	-599	1560	7.89	40.61606	-111.554
201	50	-596	1570	7.91	40.61636	-111.556
202	50	-635	1570	7.87	40.61718	-111.557
203	50	-634	1520	7.81	40.61812	-111.559
204	50	-629	1520	7.66	40.61984	-111.559
205	50	-636	1470	7.7	40.62004	-111.561
206	50	-659	1470	7.84	40.61937	-111.563
207	50	-662	1460	7.77	40.62049	-111.564
208	50	-644	1510	7.62	40.62227	-111.565
209	50	-692	1620	7.43	40.62431	-111.565
210	50	-687	1620	7.16	40.62698	-111.565
211	50	-684	1620	6.72	40.63092	-111.564
212	50	-653	1640	6.18	40.63566	-111.561
213	50	-659	1640	5.48	40.64141	-111.558
214	50	-658	1670	4.84	40.64665	-111.555
215	50	-662	1760	4.64	40.64856	-111.554
216	50	-649	1770	4.68	40.64869	-111.555
217	50	-657	1770	4.92	40.64746	-111.558
218	50	-612	1780	5.49	40.64386	-111.563
219	50	-615	1750	6.11	40.64005	-111.568
220	50	-612	1730	6.52	40.63787	-111.572
221	50	-581	1640	6.71	40.63724	-111.575
222	50	-567	1610	6.82	40.63716	-111.577
223	50	-575	1610	6.27	40.64151	-111.573
224	50	-551	1610	5.8	40.64522	-111.57
225	50	-527	1630	5.37	40.64862	-111.568
226	50	-532	1640	5.01	40.65146	-111.565
227	50	-551	1650	4.96	40.65234	-111.566
228	50	-535	1610	5.16	40.65169	-111.568
229	50	-571	1630	5.39	40.65096	-111.571
230	50	-577	1600	5.63	40.65021	-111.574
231	50	-555	1610	6.02	40.64867	-111.578
232	50	-569	1420	6.46	40.64696	-111.583
233	50	-539	1410	6.51	40.64751	-111.584

234	50	-519	1430	6.69	40.64737	-111.587
235	50	-540	1480	6.63	40.64856	-111.587
236	50	-546	1640	6.63	40.64941	-111.588
237	50	-534	1680	6.67	40.65007	-111.589
238	50	-518	1580	6.75	40.65061	-111.59
239	50	-522	1590	6.81	40.6512	-111.592
240	50	-457	1590	6.87	40.65186	-111.593
241	50	-442	1530	6.92	40.6526	-111.594
242	50	-437	1460	6.95	40.65341	-111.595
243	50	-444	1420	6.96	40.65433	-111.596
244	50	-424	1420	6.94	40.6554	-111.596
245	50	-396	1350	6.91	40.6565	-111.597
246	50	-378	1220	6.89	40.65754	-111.597
247	50	-403	1230	6.85	40.65868	-111.597
248	50	-385	1090	6.77	40.65995	-111.597
249	50	-332	1030	6.64	40.66135	-111.596
250	50	-294	930	6.55	40.66259	-111.596
251	50	-255	850	6.56	40.66354	-111.596
252	50	-270	850	6.42	40.66492	-111.595
253	50	-290	910	6.21	40.66643	-111.593
254	50	-338	1030	6.15	40.66751	-111.593
255	50	-381	1240	6.22	40.66828	-111.594
256	50	-390	1240	6.39	40.66886	-111.596
257	50	-410	1270	6.58	40.66943	-111.599
258	50	-426	1280	6.8	40.67004	-111.601
259	50	-459	1410	6.91	40.6709	-111.603
260	50	-466	1420	6.98	40.67185	-111.604
261	50	-503	1450	7.04	40.67284	-111.605
262	50	-504	1450	6.88	40.67414	-111.603
263	50	-499	1500	6.71	40.67539	-111.602
264	50	-526	1500	6.67	40.67648	-111.601
265	50	-523	1510	6.69	40.67751	-111.602
266	50	-489	1360	6.81	40.67848	-111.603
267	50	-475	1360	6.95	40.67948	-111.605
268	50	-432	1340	7.08	40.68053	-111.606
269	50	-367	1210	7.09	40.68163	-111.607
270	50	-367	1210	7.19	40.68275	-111.608
271	50	-367	1210	7.07	40.68386	-111.606
272	50	-359	1210	6.77	40.68488	-111.603
273	50	-277	1030	6.2	40.68568	-111.596
274	50	-287	1030	5.75	40.68636	-111.59
275	50	-293	1030	5.52	40.68709	-111.588
276	50	-266	970	5.41	40.68785	-111.586
277	50	-241	920	5.45	40.68873	-111.587
278	50	-272	920	5.57	40.68974	-111.588
279	50	-276	920	5.87	40.69102	-111.591
280	50	-275	920	6.38	40.69272	-111.597
281	50	-277	1020	6.66	40.69417	-111.6

282	50	-288	1170	6.75	40.69538	-111.601
283	50	-274	1170	6.65	40.6962	-111.599
284	50	-284	1140	6.77	40.69749	-111.6
285	50	-271	1090	6.78	40.69854	-111.6
286	50	-246	1070	6.46	40.69878	-111.596
287	50	-246	1010	6.3	40.69934	-111.594
288	50	-213	980	6.05	40.69958	-111.591
289	50	-192	980	5.82	40.6998	-111.588
290	50	-177	980	5.63	40.70007	-111.585
291	50	-166	940	5.42	40.70022	-111.582
292	50	-126	850	5.26	40.70048	-111.58
293	50	-112	840	5.08	40.70062	-111.578
294	50	-88	850	4.93	40.70079	-111.576
295	50	-48	810	4.6	40.70026	-111.572
296	50	-48	700	4.19	40.69928	-111.567
297	50	-32	850	4.1	40.6995	-111.566
298	50	-20	790	4.06	40.69991	-111.565
299	50	-35	740	4.13	40.7008	-111.565
300	50	-33	960	4.16	40.70146	-111.565
301	50	-50	850	4.12	40.70187	-111.564
302	50	-28	850	4.01	40.70189	-111.563
303	50	-30	830	3.73	40.70102	-111.56
304	50	-30	890	3.44	40.70007	-111.556
305	50	-34	890	3.17	40.69912	-111.553
306	50	-30	890	3.04	40.69883	-111.552
307	50	-33	1010	3.06	40.69934	-111.551
308	50	-40	1050	3.23	40.70066	-111.553
309	50	-37	1110	3.53	40.70274	-111.555
310	50	-4	1050	3.74	40.7044	-111.557
311	50	0	1050	3.85	40.70547	-111.557
312	50	-9	1100	3.9	40.70625	-111.557
313	50	-27	1160	3.73	40.70568	-111.555
314	50	-6	1230	3.57	40.7051	-111.553
315	50	13	1260	3.42	40.70454	-111.551
316	50	11	1270	3.42	40.70489	-111.551
317	50	1	1270	3.48	40.70568	-111.551
318	50	3	1290	3.5	40.7062	-111.55
319	50	19	1200	3.54	40.70684	-111.55
320	50	33	940	3.5	40.70691	-111.549
321	50	34	700	3.44	40.7068	-111.548
322	50	45	550	3.35	40.70655	-111.547
323	50	71	470	3.11	40.70512	-111.545
324	50	68	370	2.92	40.70405	-111.543
325	50	74	580	2.76	40.70313	-111.541
326	50	94	660	2.69	40.70287	-111.54
327	50	116	560	2.71	40.7032	-111.54
328	50	127	510	2.68	40.70319	-111.539
329	50	153	480	2.65	40.7032	-111.539

330	50	157	450	2.59	40.70294	-111.538
331	50	186	540	2.55	40.70283	-111.537
332	50	215	460	2.52	40.70279	-111.537
333	50	225	440	2.5	40.70284	-111.536
334	50	236	480	2.49	40.7029	-111.535
335	50	228	480	2.47	40.70289	-111.535
336	50	212	470	2.46	40.703	-111.534
337	50	204	580	2.46	40.70313	-111.534
338	50	204	610	2.44	40.70317	-111.533
339	50	197	610	2.43	40.70316	-111.533
340	50	186	520	2.41	40.70313	-111.532
341	50	170	500	2.39	40.7031	-111.532
342	50	160	560	2.37	40.70308	-111.531
343	50	128	490	2.36	40.70311	-111.531
344	50	117	390	2.37	40.70323	-111.53
345	50	106	480	2.38	40.70346	-111.53
346	50	88	480	2.41	40.70378	-111.529
347	50	91	590	2.43	40.70405	-111.529
348	50	86	690	2.44	40.70421	-111.529
349	50	67	510	2.44	40.70433	-111.528
350	50	61	550	2.44	40.70439	-111.528
351	50	53	480	2.43	40.70439	-111.527
352	50	45	450	2.42	40.70432	-111.526
353	50	24	480	2.41	40.70427	-111.526
354	50	12	480	2.4	40.70424	-111.525
355	50	16	430	2.4	40.70426	-111.525
356	50	37	360	2.38	40.70416	-111.524
357	50	47	480	2.38	40.70416	-111.524
358	50	13	530	2.38	40.70416	-111.523
359	50	13	630	2.38	40.70416	-111.523

TABLE 4: Tabulated data of the 40 dBu matrix-based interference contour of proposed station using the Longely-Rice method.