EXHIBIT A

Doug Vernier
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Telecommunications Consultants

Engineering Statement
On Behalf of Mercer Island School District #400
Calculation of Interfering Signal Contour

We have been asked by station KMIH, Mercer Island School District #400, Mercer Island, WA to provide an alternative analysis of the interference caused the station by KAFE, Bellingham, WA, a class C station. For the purpose of this examination we used the KMIH construction permit parameters, (see BMPED 20020517ABD) which amends the station's licensed coordinates by four longitudinal seconds.

First, we determined if this situation called for the use of an alternative prediction method from the Commission's standard. The Commission has set a policy that it will not entertain alternative showings unless the terrain can be shown to range widely from the expect norm under which the F(50-10) and F(50-50) tables were developed. The norm ranges from a delta h of under 20 meters (flat) to one over 100 meters (rugged).

For this analysis, we chose to use the recently released USGS National Elevation Dataset 30-meter terrain elevation database This database provides a significant improvement over the NGDC 30 arc-second and the USGS 03 arc-second terrain elevation datasets The quotation below comes directly from the United States Geographical Survey National Elevation Dataset website:

"The USGS National Elevation Dataset (NED) has been developed by merging the highest-resolution, best-quality elevation data available across the United States into a seamless raster format. NED is the result of the maturation of the USGS effort to provide 1:24,000-scale Digital Elevation Model (DEM) data for the conterminous US and 1:63,360-scale DEM data for Alaska "

In order to make the size of this database more workable, we scaled the database to 3-arc seconds by extracting every third point.

Attachment A is a calculation of the Delta h of KAFE along the entire path toward KMIH. The delta h of this path is 110.5 meters.

FCC Method:

The 54 dBu, F(50-10) contour of 1st adjacent KAFE can be seen on attachment B as crossing over the KMIH transmitter site, approximately bisecting the KMIH 60 dBu protected signal contour [1] The FCC method is known for its weaknesses, especially as it relates to calculation of real world interference signal contours. The reasons for this are many; however perhaps the largest reason is the way the method considers terrain. The method assumes the terrain along the path will fall into the norm assumed when the tables were originally conceived and the terrain beyond 16 kilometers from the transmitter is not considered. The attenuating impact of drastically changing terrain and mountains and hills beyond 16 kilometers is ignored.

Alternative Method:

In the mid-sixties, the National Bureau of Standards published *"Technical Note 101"*. P. L. Rice, A. G. Longley, A. Norton and A. P. Barsis authored this two-volume propagation treatise in the course of their work at the Institute for telecommunications Sciences and Aeronomy at Boulder, Colorado. The concepts expressed in these documents were incorporated into a series of computer routines that came to be known as the "Longley-Rice Model". This model has been employed by the Commission to determine the new DTV allocation scheme. It has now become the standard alternative prediction method. Going well beyond the FCC curves, the Longley-Rice method considers atmospheric absorption including absorption by water vapor and Oxygen, loss due to sky-noise temperature and attenuation caused by rain and clouds. It considers terrain roughness, knife-edge, (with and without ground-reflections), loss due to isolated obstacles, diffraction, forward scatter and long-term power fading. The Longley-Rice Model is also known as the Irregular Terrain Model (ITM.) Our application of this model uses Version 1.2 2 of the Irregular Terrain Model

Using the NED terrain elevation dataset, we applied the Longley-Rice propagation model. Also applied were TSB-88 standard land attenuation values for the land use type ((based on the USGS database) and the frequency in use. These were as follows:

Land use type	*Attenuation in dB*
Open Land	2.0
Agricultural	2 5
Water	0.0
Forest	5.5
Wetland	2.0
Urban	10.0
Snow & Ice	0.0

[1] The NGDC 30-arc second terrain database set was used for all FCC method calculations

Unknown	0.0

The map included in attachment B shows that the 54 dBu interference signal contour, based on the mean occurrence calculated 10% Longley-Rice signal, does not cross over land either the FCC calculated F(50-50) 60 dBu contour or the Longley-Rice, mean occurrence calculated 50% 60 dBu contour of the KMIH CP facility Attachment C shows the same contours using a smaller zoomed-in scale. Attachment D contains distance to contour tables confirming the distances plotted on the maps.

Based on this analysis, our conclusion is that no interference will be caused KMIH within its protected 60 dBu signal contour by 1st adjacent KAFE, Bellingham, WA.

Attachment E is a statement of my qualifications.

Doug Vernier
January 3, 2004

Doug Vernier, Telecommunications Consultants

Attachment A

Terrain Radial Table Using V-Soft Comm N.E D 03 Arc Second Data

KAFE , Saga Broadcasting, Llc , BLH4978

48 40 48 N
122 50 24 W
Azimuth of radial= 160°
Delta h= 110 5M, Interval=.1, COR AMSL= 748 M M, Interval= 1
Attenuation= -2 6 dB
Radial length = 131 36 km

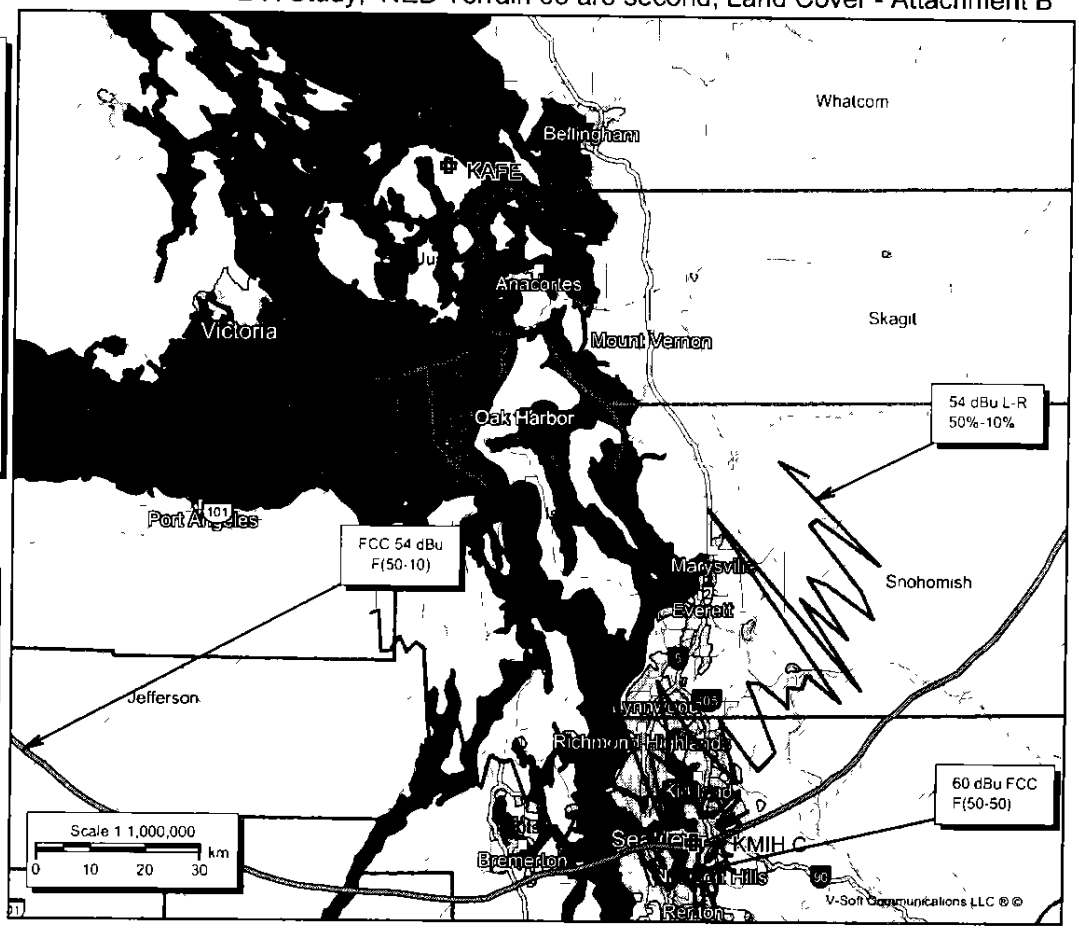
000.0	687 08	000 1	681 18	000.2	675 31	000 3	664 57	000.4	656.88	000.5	660.88
000 6	661 92	000.7	660.26	000 8	655 08	000.9	650.71	001.0	650.39	001.1	650.69
001 2	655.78	001.3	662.24	001 4	664.41	001.5	670.01	001.6	686.00	001 7	692 17
001 8	682 32	001 9	675 19	002 0	668 73	002.1	658.58	002.2	622 25	002 3	582 11
002 4	557 51	002 5	544 02	002 6	528 40	002 7	489 24	002 8	437.79	002.9	406.77
003 0	378.51	003 1	346 63	003 2	321.23	003 3	300 89	003.4	280.59	003.5	249 31
003 6	228.90	003 7	219 79	003 8	218.68	003 9	218 89	004.0	226.19	004.1	244 56
004 2	260.65	004 3	269 01	004 4	272.75	004.5	265.72	004.6	252 95	004 7	230 85
004 8	220 04	004.9	221 66	005 0	223 86	005.1	236 21	005.2	232.91	005 3	207 34
005.4	193 14	005 5	170 24	005.6	137 72	005 7	102 11	005.8	52.58	005.9	33 61
006 0	54 52	006 1	59 80	006 2	52 88	006.3	53 78	006.4	59 02	006.5	66.01
006 6	69 35	006 7	61.44	006 8	46 55	006 9	31 97	007.0	11 48	007 1	0 81
007 2	0 00	007 3	0 00	007 4	0 00	007.5	0 00	007.6	0.00	007 7	0.00
007 8	0 00	007 9	0 00	008 0	0 00	008 1	0 00	008.2	0 00	008 3	0.00
008 4	0 00	008 5	0.00	008.6	0.00	008 7	0 00	008 8	2 07	008.9	4.38
009 0	2 16	009.1	0.00	009.2	0.00	009 3	0 00	009 4	0 00	009.5	0.00
009 6	0 00	009 7	0.00	009 8	0 00	009 9	0.00	010 0	0.00	010 1	0 00
010 2	0 00	010 3	0 00	010 4	0 00	010.5	0.00	010.6	0.00	010 7	0.00
010 8	0 00	010 9	0 00	011 0	0 00	011.1	0 00	011.2	0 00	011.3	0.00
011 4	0 00	011.5	0 00	011 6	0.00	011 7	0 00	011.8	0 00	011.9	0.00
012 0	0 00	012.1	0 00	012.2	0.00	012 3	0 00	012 4	0 00	012 5	0.00
012 6	0 00	012.7	0.01	012 8	0 79	012 9	1.67	013.0	16 88	013.1	41 78
013 2	47 03	013 3	47 40	013 4	64 89	013 5	70 48	013 6	79.40	013.7	93 05
013 8	111 49	013 9	141 42	014 0	177.05	014.1	191 16	014 2	191.04	014 3	187 00
014 4	176 23	014 5	156 36	014 6	120 69	014.7	66 55	014 8	17 15	014 9	0.96
015 0	0 00	015.1	0 00	015 2	0.00	015 3	0 00	015 4	0 00	015 5	0 00
015 6	0 00	015.7	0 00	015 8	0.00	015 9	0 00	016 0	0.00	016.1	0.00
016 2	0 00	016.3	0 00	016.4	0.00	016 5	0 00	016.6	0.00	016 7	0.00
016 8	0 00	016.9	0.00	017.0	0.00	017 1	0.00	017.2	0.00	017.3	0.00
017 4	0 00	017 5	0.00	017 6	0 00	017.7	0 00	017 8	0 00	017.9	0.00
018 0	0 00	018.1	0 00	018 2	0 00	018.3	0 00	018.4	0.00	018.5	0 00
018 6	0.00	018.7	0 00	018 8	0.00	018 9	0 00	019.0	0.00	019 1	0.00
019 2	0 00	019.3	0 00	019.4	0 00	019 5	0.00	019.6	0.00	019.7	0.00
019 8	0 00	019.9	0.00	020.0	0 00	020 1	0.00	020 2	0.00	020.3	0 00
020 4	0 00	020.5	0.00	020.6	0 00	020 7	0.00	020 8	0 00	020.9	0 00
021 0	0 00	021.1	0.00	021 2	0 00	021.3	0 00	021 4	0.00	021 5	0.00
021 6	0 00	021 7	0 00	021 8	0.00	021 9	0 00	022.0	0.00	022.1	0.00
022 2	0 00	022.3	0 00	022.4	0 00	022 5	0.00	022.6	0.00	022.7	0.00
022 8	0 00	022.9	0 00	023.0	0 00	023 1	0.00	023 2	0 00	023.3	0 00
023 4	0.00	023 5	0 00	023.6	0 00	023 7	0 00	023 8	0 00	023.9	0 00
024 0	0 00	024 1	0.00	024 2	0 00	024.3	0 00	024 4	0.00	024.5	0.00
024 6	0 00	024 7	0 00	024 8	0 00	024.9	0 00	025.0	0.00	025.1	0.00
025 2	0 00	025 3	0 00	025 4	0 00	025 5	0.00	025 6	0 00	025.7	0 00
025 8	0 00	025.9	0 00	026.0	0 00	026 1	0 00	026 2	0 00	026.3	0.00
026 4	0 00	026.5	0 00	026.6	0 00	026.7	0 00	026 8	0.00	026.9	0.00
027 0	0 00	027.1	0 00	027 2	0 00	027.3	0.00	027.4	0.00	027.5	0.00
027 6	0 00	027 7	0.00	027 8	0.00	027 9	0.00	028.0	0.00	028.1	0 00
028 2	0 00	028.3	0 00	028.4	0 00	028.5	0.00	028.6	0.00	028.7	0.00
028 8	0 00	028 9	0.00	029.0	0 00	029 1	0.00	029 2	0 00	029.3	0.00
029 4	0 00	029 5	0 00	029.6	0 00	029 7	0.00	029.8	0.00	029.9	0 00
030 0	0 00	030.1	0 00	030.2	0 00	030 3	0.00	030 4	0 00	030.5	0.00
030 6	0 00	030 7	0 00	030.8	0.00	030 9	0.00	031.0	0.00	031.1	0 00
031 2	0 00	031.3	0 00	031.4	0 00	031.5	0 00	031.6	0 00	031.7	0.00
031 8	0 00	031 9	0 00	032.0	0 00	032 1	0.00	032.2	0.00	032 3	0.00
032 4	0 00	032.5	0 00	032 6	0 00	032 7	0 00	032 8	0.00	032.9	0.00
033 0	0 00	033 1	0 00	033 2	0 00	033 3	0 00	033.4	0.00	033.5	0.00
033 6	0 00	033.7	0 00	033 8	0 00	033 9	0 00	034.0	0.00	034.1	0 00
034 2	0 00	034.3	0.00	034.4	0.00	034 5	0.00	034.6	0.00	034.7	0.00
034 8	0 00	034 9	0 00	035 0	0 00	035 1	0 00	035.2	0.00	035.3	0.00
035 4	0 00	035.5	0.00	035.6	0 00	035.7	0.00	035 8	0.00	035.9	0 00
036 0	0 00	036 1	0 00	036 2	0 00	036 3	0 00	036 4	0.00	036.5	0.00

036 6	0 00	036 7	0.00	036.8	0 00	036 9	0.00	037.0	0.00	037.1	0 00
037 2	0 00	037 3	0.22	037 4	2 93	037.5	5 66	037.6	6.77	037.7	8 02
037.8	8 69	037.9	9.36	038.0	10 63	038.1	11.34	038.2	12 01	038 3	13 22
038.4	13 80	038.5	14 00	038 6	13 20	038 7	12 18	038.8	10 39	038 9	9.15
039.0	7 22	039.1	6.15	039 2	6 00	039.3	6.00	039 4	5.08	039 5	5 01
039 6	5 00	039 7	4 03	039 8	5 79	039.9	4.00	040 0	4.02	040.1	6 51
040 2	8 02	040 3	8 48	040 4	7 00	040.5	7 00	040 6	7.22	040 7	7.77
040.8	8 45	040.9	9.87	041.0	10.48	041 1	11.94	041 2	13.42	041.3	16.61
041.4	20 60	041.5	25 16	041 6	31 31	041.7	37 54	041.8	37.00	041 9	36 38
042.0	36 37	042.1	37 63	042 2	42 11	042 3	48 40	042.4	51.71	042 5	54 76
042.6	58 04	042.7	60 70	042 8	62 31	042 9	62 80	043.0	63.14	043 1	63.44
043.2	64 04	043.3	62 98	043 4	59 38	043 5	55 47	043.6	53.43	043 7	51 69
043.8	51 61	043.9	53 87	044 0	56 00	044 1	56 73	044.2	57.36	044 3	58 65
044.4	58 92	044.5	58 81	044 6	58 49	044 7	58 75	044.8	58.26	044 9	57.13
045 0	56 23	045.1	53.75	045 2	51 91	045.3	53 43	045.4	55 31	045 5	56 84
045 6	56 14	045 7	54 02	045.8	52 33	045 9	50.76	046 0	46 66	046.1	33 15
046.2	14 93	046.3	3 17	046 4	3.82	046 5	3 37	046.6	3.83	046 7	4 35
046.8	7 88	046 9	13 64	047 0	18 30	047 1	22 10	047.2	23.07	047 3	11.30
047.4	0 00	047 5	0 00	047 6	0 00	047 7	0.00	047 8	0 00	047.9	0 00
048.0	0 00	048.1	0 00	048.2	0 00	048 3	0 00	048 4	0 00	048 5	0 00
048 6	0 00	048 7	0 00	048 8	0.00	048 9	0 00	049 0	0.00	049 1	0.00
049.2	0 00	049 3	0 00	049 4	0.00	049 5	0 00	049 6	0.00	049 7	0 00
049.8	0 00	049 9	0 00	050 0	0 00						

L-R Study, NED Terrain 03 arc-second, Land Cover - Attachment B

KAFE
BLH4978
Latitude 48-40-48 N
Longitude 122-50-24 W
ERP 60 00 kW
Channel 282
Frequency 104 3 MHz
AMSL Height 748 0 m
Elevation 684 0 m
Horiz Pattern Omni
Vert Pattern No
Prop Model Longley/Rice
Climate Cont temperate
Conductivity 0 0040
Dielec Const 15 0
Refractivity 311 0
Receiver Ht AG 9 1 m
Receiver Gain 0 dB
Time Variability 10 0%
Sit Variability 50 0%
ITM Mode Broadcast

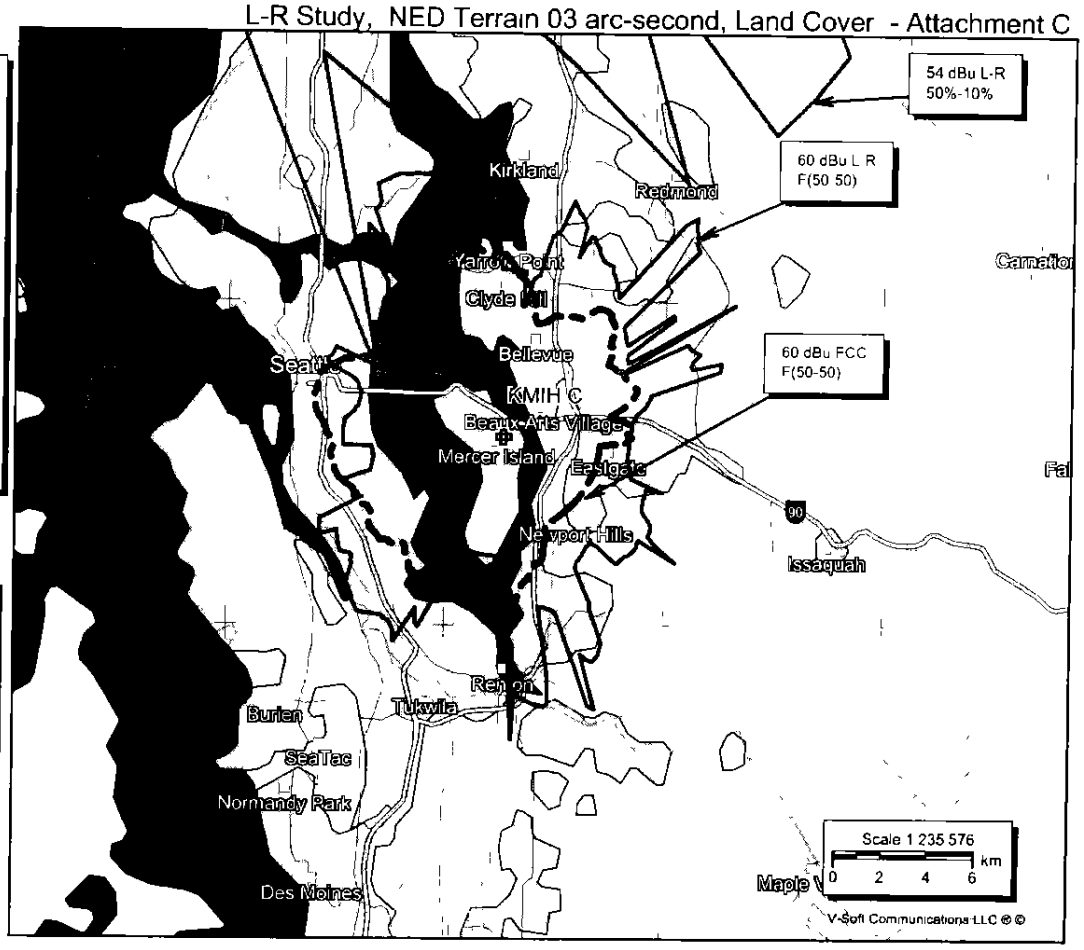
KMIH C
BMPED20020517ABD
Latitude 47-34-21 N
Longitude 122-13-01 W
ERP 0 03 kW
Channel 283
Frequency 104 5 MHz
AMSL Height 131 0 m
Elevation 101 0 m
Horiz Pattern Omni
Vert Pattern No



L-R Study, NED Terrain 03 arc-second, Land Cover - Attachment C

KAFE
BLH4978
Latitude 48-40-48 N
Longitude 122-50 24 W
ERP 60 00 kW
Channel 282
Frequency 104 3 MHz
AMSL Height 748 0 m
Elevation 684 0 m
Horiz Pattern Omni
Vert Pattern No
Prop Model Longley/Rice
Climate Cont temperate
Conductivity 0 0040
Dielec Const 15 0
Refractivity 311 0
Receiver Ht AG 9 1 m
Receiver Gain 0 dB
Time Variability 10 0%
Sit Variability 50 0%
ITM Mode Broadcast

KMIH C
BMPED20020517ABD
Latitude 47-34-21 N
Longitude 122-13-01 W
ERP 0 03 kW
Channel 283
Frequency 104 5 MHz
AMSL Height 131 0 m
Elevation 101 0 m
Horiz Pattern Omni
Vert Pattern No



Attachment D

Call Letters· KAFE
File Number BLH4978
Latitude 48-40-48 N
Longitude· 122-50-24 W
ERP: 60 00 kW
Channel 282
Frequency 104 3 MHz
AMSL Height 748 0 m
Elevation 684 0 m
HAAT 704 0 m
Horiz Antenna Pattern Omni
Vert Elevation Pattern No

Type of contour FCC
Location Variability 50 0 %
Time Variability 10.0 %
Radials are spaces 1 degree
Field Strength: 54 00 dBuV/m

Bearing (deg)	Distance (km)
130 0	132 4
131 0	132 3
132 0	132 1
133 0	131 8
134 0	131 4
135 0	130 8
136 0	130 2
137 0	129 8
138 0	129 6
139 0	129 5
140 0	129 5
141 0	129 6
142 0	130 0
143 0	130 7
144 0	131.4
145 0	132 0
146 0	132 4
147 0	132.6
148 0	132 8
149 0	132 8
150 0	132.8
151 0	132.8
152 0	132 8
153 0	132 8
154 0	132 7
155 0	132 7
156 0	132 7
157 0	132 7
158 0	132 5
159 0	132 2
160 0	131 5
161 0	130 8
162 0	130 1
163 0	129 6
164 0	129 5
165 0	129 8
166 0	130 1
167 0	130 3
168 0	130.4
169.0	130 5
170.0	130 6
171 0	130.6
172.0	131 1
173.0	132 0
174 0	132 8

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175	0	133	2
176	0	133	4
177	0	133	5
178	0	133	5
179	0	133	4
180	0	133	3
181	0	133	3
182	0	133	3
183	0	133	4
184	0	133	4
185	0	133	5
186	0	133	5
187	0	133	4
188	0	133	4
189	0	133	5

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Call Letters KAFE
File Number BLH4978
Latitude: 48-40-48 N
Longitude 122-50-24 W
ERP 60 00 kW
Channel 282
Frequency 104 3 MHz
AMSL Height 748 0 m
Elevation 684 0 m
HAAT 704 0 m
Horiz Antenna Pattern Omni
Vert Elevation Pattern: No

Type of contour Longler-Rice Signal Calculated
Radial spacing = 1 degree
Using the mean occurence method at 54 0 dBu

Bearing (deg)	Distance (km)
130 0	87 1
131 0	81 2
132 0	107 8
133 0	93 5
134 0	93 3
135 0	108 7
136 0	113 8
137 0	103 4
138 0	100 1
139 0	113 4
140 0	102 1
141 0	122 2
142 0	78 9
143 0	121 8
144 0	114 1
145 0	115 6
146 0	113 9
147 0	117 0
148 0	110 6
149 0	109 2
150 0	122 8
151 0	123.7
152 0	124 3
153 0	112 9
154 0	124 6
155 0	118.4
156 0	113 7
157 0	101 6
158 0	112 1
159 0	116 7
160 0	113 4
161 0	127 4
162 0	98 8
163 0	109 1
164 0	112 6
165 0	110 0
166 0	124 4
167 0	120 7
168 0	121 1
169 0	124 3
170 0	124 7
171 0	113 4
172 0	117 1
173 0	109 0
174 0	109 0
175 0	107 8
176 0	113 6

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177 0	111 3
178 0	101 6
179 0	102 3
180 0	102 2
181 0	105 7
182 0	88 0
183 0	86 9
184 0	88 8
185 0	86 2
186 0	88 9
187 0	89 3
188 0	81 9
189 0	82 7

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Call Letters KMIH.C
File Number: BMPED20020517ABD
Latitude: 47-34-21 N
Longitude 122-13-01 W
ERP 0.03 kW
Channel 283
Frequency: 104.5 MHz
AMSL Height 131 0 m
Elevation: 101 0 m
Horiz Antenna Pattern: Omni
Vert Elevation Pattern: No

Type of contour FCC
Location Variability: 50.0 %
Time Variability 50.0 %
# of Radials Calculated 8
Field Strength: 60.00 dBuV/m

Bearing (deg)	Distance (km)	HAAT (m)
0.0	8.13	113.2
45 0	6.26	67.8
90 0	4.27	32.0
135 0	4.14	-19.9
180.0	7.29	91.8
225.0	6.11	64.5
270.0	7.55	98.2
315 0	7 37	93.8

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Call Letters KMIH C
File Number BMPED20020517ABD
Latitude 47-34-21 N
Longitude 122-13 01 W
ERP 0 03 kW
Channel: 283
Frequency 104 5 MHz
AMSL Height 131 0 m
Elevation 101 0 m
HAAT 69 0 m
Horiz Antenna Pattern Omni
Vert Elevation Pattern No

Type of contour Signal Calculated Longley-Rice
# of Radials Calculated 36
Using the mean occurence method at 60 0 dBu

Bearing (deg)	Distance (km)
0 0	7 2
10 0	6 9
20 0	9 9
30 0	8 7
40 0	12 0
50 0	6 8
60 0	11 4
70 0	8 6
80 0	5 8
90 0	5 4
100 0	5 4
110 0	6 5
120 0	7 3
130 0	7 4
140 0	5 9
150 0	6 3
160 0	9 9
170 0	11 6
180 0	5.3
190 0	5 1
200 0	7 1
210 0	9 4
220 0	9 8
230 0	8 5
240 0	8 3
250 0	6 8
260 0	5 7
270 0	6 9
280 0	6 5
290 0	6 7
300 0	5 4
310 0	5 7
320 0	7 9
330 0	11 3
340 0	12 0
350 0	11 6

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Declaration:

I, Douglas L. Vernier, declare that I have received training as an engineer from the University of Michigan School of Engineering. That, I have received degrees from the University in the field of Broadcast Telecommunications. That, I have been active in broadcast consulting for over 30 years;

That, I have held a Federal Communications Commission First Class Radiotelephone License continually since 1964 In 1985, this license was reissued by the Commission as a lifetime General Radiotelephone license no PG-16-16464;

That, I am certified as a Professional Broadcast Engineer (#50258) by the Society of Broadcast Engineers, Indianapolis, Indiana (Re-certified 10/2000.)

That, my qualifications are a matter of record with the Federal Communications Commission,

That, I have been retained Mercer Island School District # 400 to prepare the engineering showings appended hereto

That, I have prepared these broadcast engineering showings, the technical information contained in same and the facts stated within are true of my knowledge,

That, under penalty of perjury, I declare that the foregoing is correct.

_____ Douglas L. Vernier

Executed on January 22, 2004

EXHIBIT B

RRC **Radio Research Consortium**

These data are provided for use by Arbitron subscribers ONLY, in accordance with RRC's limited license with Arbitron Inc. (**see rules**)
Monday-Sunday 6AM-Midnight Persons 12+
Data Copyright Arbitron Inc

ARBITRON FALL 2003 TOP-LINE ESTIMATES

	Metro Survey Area				Total Market		
Metro Rank	AQH Persons (00)	AQH Share %	Cume Persons (00)	Cume Rating %	AQH Persons (00)	Cume Persons (00)	Avg TSL (hrs)
14 **Seattle-Tacoma**							
* KMIH	10	0.2	411	1 3	10	411	3 1

* Other non-CPB Station

EXHIBIT C

RRC **Radio Research Consortium**

Topline - Graphs with Trends

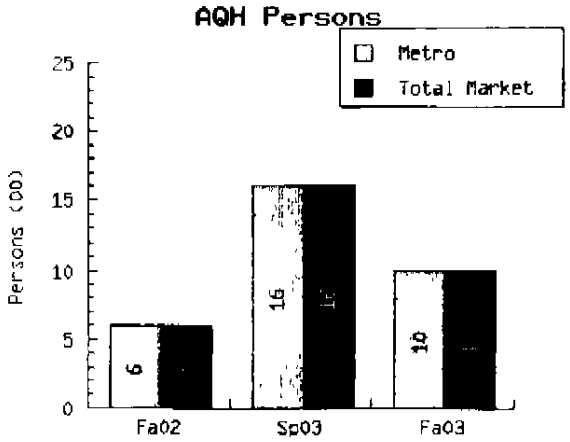
Arbitron Radio Listening Estimates

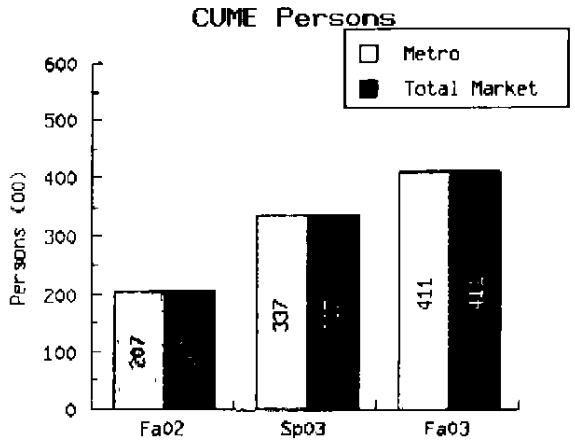
Persons 12+, Mon-Sun 6a-12m

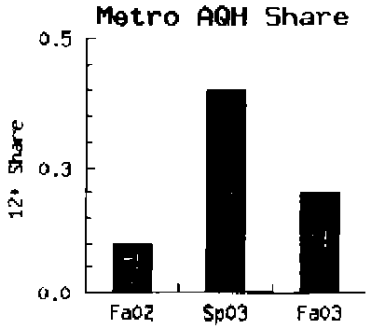
Data © Arbitron, Inc.

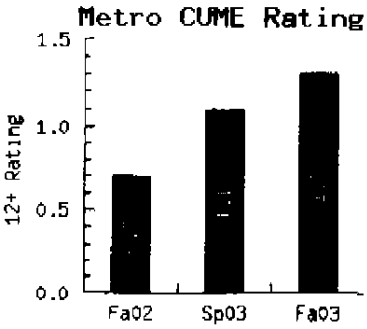
KMIH - Seattle-Tacoma

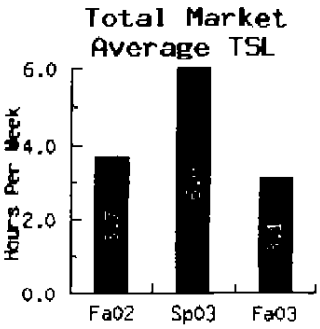
METRO					TOTAL MARKET		
Survey	AQH		CUME		AQH	CUME	Avg TSL
Period	Persons(00)	Share	Persons(00)	Rating	Persons(00)	Persons(00)	Hrs/Week
Fa02	6	0.1	207	0.7	6	207	3.7
Sp03	16	0.4	337	1.1	16	337	6.0
Fa03	10	0.2	411	1.3	10	411	3.1











Audience research for non-commercial radio since 1981
Box 1309 Olney MD 20830 * Phone:301-774-6686 * Fax.301-774-0976
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EXHIBIT D

McCLANATHAN and ASSOCIATES, INC.
PROFESSIONAL ELECTRICAL ENGINEERS
P.O. BOX 939 - PORTLAND, OR 97207-0939
TEL: 503-246-8080 FAX: 503-246-6304

Facsimile Delivery Cover Sheet

DATE: July 19, 2002

TO: **Please deliver immediately to: Nick De Vogel**

Firm: **Mercer Island School District #400**
Radio Station KMIH

FAX No. 206-236-3342

This communication must be delivered only to the above addressee. Any unauthorized use or disclosure is strictly prohibited.

FROM: Robert A. McClanathan, P E

Number of pages including cover sheets. 2

MESSAGE

Nick De Vogel:

At your request, I have completed the FM channel search for KMIH with Class D operation and 30 watts ERP antenna power The results are negative. All commercial channels from 221 to 300, as well as the Non-Commercial Educational channels 200 to 220, were researched for potential operation with a Class D 10 watt transmitter power

You are aware that if a Class D FM station must change frequency it must first attempt to locate on one of the commercial channels 221 to 300 as stated in FCC Rule 47 CFR Section 73.512. If such a commercial channel is not available the station must then operate on channel 200 (87 9 mHz) provided it is greater than 250 miles from the Canadian border and no interference to any channel 6 TV station would be caused. If the previous two options fail, the Class D may then operate on one of the 20 NCE channels if available

The interference protection guidelines Class D stations must comply with, in all cases, are given in 47 CFR Section 73.509(b) Using this protection requirement, all channels from 201 to 300 were researched and the only available channel is your existing frequency 104.5 mHz, channel 283

The current FCC database show an enormous number of applications for new Low Power FM stations on channels 282 and 283 throughout the greater Seattle area. This FCC database, as of today, does not indicate which one of these many applicants will be granted the LPFM license Obviously, if the successful applicant is near the KMIH antenna site, KMIH will be shut down. However, it may be possible that if the LPFM station is further away, perhaps 10 miles and depending on intervening terrain, KMIH may not be impacted and could continue to operate. This can not be determined until the successful application for this LPFM stations has been selected by the FCC.

I expect you will not proceed to change your licensed operation as granted in the FCC C P. dated August 30,2001 until the LPFM issue has been resolved Your FCC C.P. does have special operating conditions attached, No. 2, that will be somewhat expensive to comply with. This condition is a result of your 40 meter high tower being in the vicinity of two AM stations I have to make field strength measurements often to assist stations in complying with these same permit conditions.

Please call me if you need any additional information or research services. I'll send you a printed copy of the channel search by US Mail to your 9100 SE 42nd Street address The total expenses to date are $460 and I will include an invoice with this mailing.

Sincerely,

Bob McClanathan, P.E.

McCLANATHAN and ASSOCIATES, Inc.
PROFESSIONAL ELECTRICAL ENGINEERS
P.O. BOX 939 - PORTLAND, OREGON 97207-0939
TEL: (503) 246-8080 FAX: (503) 246-6304

FM CHANNEL STUDY

Proposed Site: KMIH FM, Mercer Island. Ch. 283D
47-34-21N, 122-13-01W, 30W ERP, 69m HAAT

EXISTING STATIONS OVERLAYING PROPOSED SITE WITH 60 DBU CONTOUR.

(-) Indicates lower adjacent channel preclusion
(+) Indicates higher adjacent channel preclusion

CH.	Existing Station	City	Distance Miles	ERP kW	N. Lat.	W. Long.
201	+					
202	+					
203	KPLU-FM	Tacoma	5.52	50	47-32-35N	122-06-25W
204	-					
205	- +					
206	- +					
207	+					
208	KNHC	Seattle	8.95	30	47-41-26N	122-17-45W
209	- +					
210	- +					
211	- +					
212	KEXP-FM	Seattle	5.20	0.72	47-36-58N	122-18-28W
213	-					
214	- +					
215	- +					
216	+					
217	KBCS	Bellevue	5.20	7.9	47-35-07N	122-08-39W
218	-					
219	-					
220	- +					

221 +

222 +

223	KLSY-FM	Bellevue	12.25	58.3	47-30-14N	121-58-29W

224 - +

225 - +

226 - +

227	KUBE	Seattle	5.47	100	47-32-40N	122-06-26W

228 - +

229 - +

230 - +

231	KMPS-FM	Seattle	12.53	69	47-30-17N	121-58-04W

232 - +

233 - +

234 - +

235	KUOW	Seattle	5.20	100	47-36-58N	122-18-28W

236 - +

237 - +

238 - +

239	KBTB	Seattle	5.47	100	47-32-40N	122-06-26W

240 - +

241 - +

242 - +

243	KYPT	Seattle	5.41	100	47-32-39N	122-06-32W

244 - +

245 - +

246 - +

247	KBSG-FM	Tacoma	20.34	54	47-18-14N	122-23-43W

248 - +

249	- +					
250	- +					
251	KING-FM	Seattle	12.25	58	47-30-14N	121-58-29W
252	- +					
253	- +					
254	- +					
255	KWJZ	Seattle	12.25	58	47-30-14N	121-58-29W
256	-					
257	- +					
258	- +					
259	+					
260	KISW	Seattle	12.25	58	47-30-14N	121-58-29W
261	- +					
262	- +					
263	- +					
264	KQBZ	Seattle	12.25	58	47-30-14N	121-58-29W
265	- +					
266	- +					
267	- +					
268	KPLZ	Seattle	5.47	99	47-32-40N	122-06-26W
269	-					
270	- +					
271	- +					
272	+					
273	KZOK-FM	Seattle	12.53	68	47-30-17N	121-58-04W
274	-					
275	-					
276	- +					

277	+					
278	+					
279	KMTT	Tacoma	12.25	58	47-30-14N	121-58-29W
280	-					
281	-					
282	-					
283	KMIK					
284	+					
285	+					
286	+					
287	KCMS	Edmonds	5.47	54	47-32-40N	122-06-26W
288	- +					
289	- +					
290	- +					
291	KBKS	Tacoma	12.53	68	47-30-17N	121-58-04W
292	- +					
293	- +					
294	- +					
295	KRWM	Bremerton	5.44	49	47-32-39N	122-06-29W
296	- +					
297	- +					
298	- +					
299	KNDD	Seattle	12.25	58	47-30-14N	121-58-29W
300	-					

CERTIFICATE OF SERVICE

I, Howard J Barr, do hereby certify that I have on this 2nd day of February, 2004, caused to be hand delivered or mailed via First Class Mail, postage prepaid, copies of the foregoing Supplement to the following

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Policy and Rules Division
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Federal Communications Commission
The Portals
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Washington, D C 20554

R Barthen Gorman *
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Mass Media Bureau, Room 3-A224
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Howard J Barr

* Hand Delivered