

Contour Overlap Requirements

Proposed Minor Modification

This minor modification proposes the following changes:

	LICENSED	MINOR MODIFICATION
CHANNEL	211	208
CLASS	C2	C2
ERP	.480 kW, vertical-only, non-directional	.250 kW, circular, directional
HAAT	957 M	957 M
COORDINATES	38 27 28 / 118 45 52	38 27 28 / 118 45 52
ASRN	N/A	N/A
SITE AMSL	3132.0 M	3132.0 M
Tower AGL	14.0 M	14.0 M
Tower AMSL	3146.0 M	3146.0 M
COR AGL	12.0 M	12.0 M
COR AMSL	3144.0 M	3144.0 M

In accordance with Section 73.3573, the proposed 1 mV/m contour will overlap the existing 1 mv/m contour and will continue to provide coverage to the community of license of Hawthorne, NV (Reference Exhibit 14, Community Coverage Compliance with Section 73.515).

KQMC will operate in compliance with all applicable FCC rules and regulations including those not specifically addressed in this minor modification.

The below listed pages of this Exhibit contains information as indicated.

Page 2	Tabulation of HAAT / Field / ERP / dBk / distance to 1 mV/m contour
Page 3	Existing and proposed 1 mV/m contour map
Page 4 - 7	Allocation Study

Contour Overlap Requirements

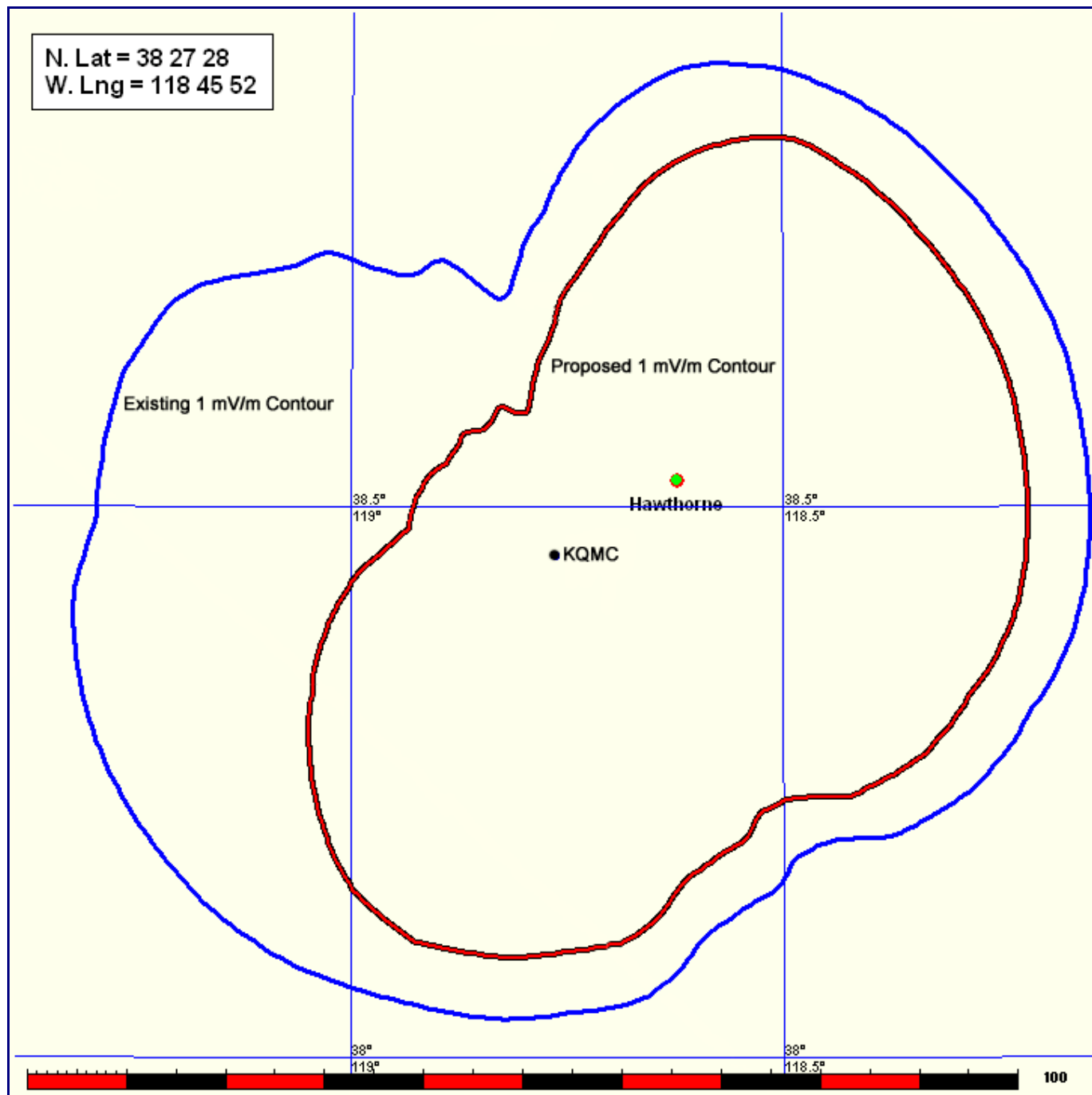
Tabulation of HAAT / Field / ERP / dBk / Distance to 1 mV/m Contour

CH 208 C2 38-27-28 / 118-45-52 .250 kW ERP (circular, directional) 3144 M COR AMSL 957 M HAAT

Azimuth	HAAT(M)	Field	ERP (kW)	dBk	1 mV/m (km)
0	580.6	.544	0.074	-11.308	23.58
10	934.9	.684	0.117	-9.318	34.06
20	1246.6	.860	0.185	-7.328	43.52
30	1414.5	1.0	0.250	-6.021	48.35
40	1484.1	1.0	0.250	-6.021	48.98
45	1482.6	1.0	0.250	-6.021	48.97
50	1486.9	1.0	0.250	-6.021	49.01
60	1502.5	1.0	0.250	-6.021	49.13
70	1476.0	1.0	0.250	-6.021	48.91
80	1400.7	1.0	0.250	-6.021	48.21
90	1339.6	1.0	0.250	-6.021	47.53
100	1238.5	1.0	0.250	-6.021	46.27
110	1084.1	1.0	0.250	-6.021	43.98
120	970.4	1.0	0.250	-6.021	41.88
130	803.8	1.0	0.250	-6.021	38.10
135	687.6	1.0	0.250	-6.021	34.83
140	642.5	1.0	0.250	-6.021	33.51
150	678.2	1.0	0.250	-6.021	34.57
160	732.2	1.0	0.250	-6.021	36.16
170	865.3	1.0	0.250	-6.021	39.67
180	894.1	1.0	0.250	-6.021	40.33
190	932.5	1.0	0.250	-6.021	41.14
200	953.9	1.0	0.250	-6.021	41.57
210	1009.0	.860	0.185	-7.328	39.77
220	1049.5	.684	0.117	-9.318	36.18
225	1060.7	.613	0.094	-10.269	34.34
230	1064.4	.544	0.074	-11.308	32.13
240	1072.3	.434	0.047	-13.279	28.38
250	1063.2	.346	0.030	-15.229	24.83
260	1029.2	.276	0.019	-17.212	21.35
270	938.5	.219	0.012	-19.208	17.66
280	898.3	.179	0.008	-20.969	14.95
290	920.1	.179	0.008	-20.969	15.07
300	894.1	.179	0.008	-20.969	14.93
310	769.1	.179	0.008	-20.969	14.22
315	675.7	.200	0.010	-20.000	14.50
320	627.4	.219	0.012	-19.208	14.87
330	464.1	.276	0.019	-17.212	14.55
340	428.6	.346	0.030	-15.229	15.75
350	312.5	.434	0.047	-13.279	15.11

(Yellow highlighted values establish average HAAT)

Contour Overlap Requirements
Existing and Proposed 1 mV/m Contour



Contour Overlap Requirements

Allocation Study

CH 208 C2 38-27-28 / 118-45-52 .250 kW ERP (circular, directional) 3144 M COR AMSL 957 M HAAT

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
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Reference Licensed station:

211C2	KQMC	LIC VX	0.0	0.00	38 27 28	0.480	3144	37.3	-138.62*	-138.62*
Hawthorne		NV	0.0	BLED20050719AIM	118 45 52	581	101.3	American Educational Broadca		

First, second, & third adjacent channel relationships:

207B	KVPR	LIC CN	201.0	164.48	37 04 25	2.450	1398	42.6	58.69	60.06
Fresno		CA	20.6	BLED19821108AH	119 25 52	385	64.4	White Ash Broadcasting, Inc.		
208B	KARQ	LIC DVX	251.7	136.87	38 03 46	0.340	1534	14.7	62.73	43.21
East Sonora		CA	70.8	BMLED20070125ADJ	120 14 45	112	49.9	Educational Media Foundation		
208A	951127	APP DCX	324.6	152.68	39 34 20	4.377	1557	29.4	51.18	69.06
Reno		NV	143.9	BPED19951127MA	119 47 51	129	86.4	Board Of Regents Of The Ne		
208A	951127	APP DCN	324.6	152.68	39 34 20	4.377	1557	29.4	51.18	69.06
Reno		NV	143.9	BPED19951127MA	119 47 51	129	86.4	Bd Of Regents / Un Of Nv -		
209B	950718	APP CX	314.7	135.62	39 18 38	0.600	2977	56.2	36.96	56.40
Tahoe City		CA	134.0	BPED19950718MA	119 53 01	1361	84.2	Thomas Aquinas School		
209C	951113	APP DCN	321.0	123.66	39 19 08	7.830	2395	73.5	1.21	26.73
Reno		NV	140.5	BPED19951113MB	119 40 07	851	107.4	Stockton Chistian Life Colle		

i.f. relationships:

None

CH 6 TV relationships:

None

ERP and HAAT on direct-line with reference station.

• affixed to TV6 Margin= no direct-line contour overlap.

***affixed to 'IN' or 'Out' values = site inside protected contour.

Following pages of this Exhibit contain information on the lack of prohibited overlap of above highlighted facility.

Contour Overlap Requirements

Allocation Study

Tabulation of
CH 208, KQMC (LIC) MOD 60 dBu protected contour & CH 209, 19951113MB (APP) 54 dBu interference contour

KQMC (LIC) MOD	19951113MB (APP)
CH 208 C2	CH 209 C
.250 kW	13.0 kW
3144 M COR AMSL	2395 M COR AMSL
38 27 28 / 118 45 52	39 19 08 / 119 40 07

60 dBu Protected

54 dBu Interference

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
265.0	000.0153	1001.7	019.7	148.7	011.5009	0847.5	113.7	53.85
266.0	000.0146	0992.0	019.3	148.5	011.3806	0843.8	113.6	53.81
267.0	000.0139	0980.1	018.9	148.2	011.2568	0843.8	113.5	53.79
268.0	000.0133	0966.5	018.5	148.0	011.1308	0843.8	113.4	53.76
269.0	000.0126	0952.8	018.1	147.7	011.0055	0843.8	113.3	53.73
270.0	000.0120	0939.0	017.7	147.4	010.8810	0841.1	113.3	53.67
271.0	000.0116	0927.1	017.3	147.2	010.7794	0841.1	113.2	53.65
272.0	000.0111	0915.3	017.0	147.0	010.6785	0841.1	113.1	53.63
273.0	000.0107	0903.3	016.7	146.8	010.5779	0841.1	113.1	53.60
274.0	000.0103	0891.7	016.4	146.6	010.4781	0841.1	113.0	53.57
275.0	000.0099	0888.0	016.2	146.4	010.3879	0840.8	113.0	53.55
276.0	000.0095	0889.0	015.9	146.2	010.3030	0840.8	112.9	53.53
277.0	000.0091	0892.9	015.7	146.0	010.2212	0840.8	112.8	53.52
278.0	000.0087	0895.4	015.4	145.8	010.1378	0840.8	112.8	53.49
279.0	000.0084	0896.0	015.2	145.6	010.0529	0840.8	112.7	53.46
280.0	000.0080	0898.1	015.0	145.5	009.9697	0842.8	112.7	53.45
281.0	000.0080	0899.8	015.0	145.4	009.9290	0842.8	112.5	53.49
282.0	000.0080	0902.1	015.0	145.3	009.8878	0842.8	112.3	53.52
283.0	000.0080	0904.5	015.0	145.2	009.8459	0842.8	112.2	53.56
284.0	000.0080	0907.1	015.0	145.1	009.8032	0842.8	112.0	53.59
285.0	000.0080	0908.9	015.0	145.0	009.7593	0842.8	111.8	53.62
286.0	000.0080	0910.6	015.0	144.9	009.7145	0842.8	111.6	53.64
287.0	000.0080	0913.2	015.0	144.8	009.6695	0842.8	111.4	53.67
288.0	000.0080	0915.7	015.0	144.7	009.6237	0842.8	111.3	53.70
289.0	000.0080	0917.6	015.1	144.6	009.5767	0842.8	111.1	53.72
290.0	000.0080	0919.9	015.1	144.5	009.5294	0844.5	110.9	53.77
291.0	000.0080	0922.3	015.1	144.4	009.4813	0844.5	110.8	53.79
292.0	000.0080	0923.8	015.1	144.3	009.4322	0844.5	110.6	53.81
293.0	000.0080	0924.0	015.1	144.1	009.3813	0844.5	110.5	53.82
294.0	000.0080	0922.2	015.1	144.0	009.3287	0844.5	110.4	53.83
295.0	000.0080	0918.2	015.1	143.9	009.2744	0844.5	110.3	53.84
296.0	000.0080	0912.2	015.0	143.8	009.2186	0844.5	110.2	53.84
297.0	000.0080	0906.1	015.0	143.6	009.1625	0844.5	110.1	53.84
298.0	000.0080	0900.8	015.0	143.5	009.1069	0844.5	110.0	53.84
299.0	000.0080	0897.0	014.9	143.4	009.0517	0845.2	109.9	53.85
300.0	000.0080	0894.2	014.9	143.3	008.9969	0845.2	109.8	53.85
301.0	000.0080	0891.6	014.9	143.1	008.9419	0845.2	109.7	53.85
302.0	000.0080	0887.7	014.9	143.0	008.8860	0845.2	109.6	53.84
303.0	000.0080	0881.5	014.9	142.9	008.8292	0845.2	109.6	53.83
304.0	000.0080	0872.6	014.8	142.7	008.7712	0845.2	109.5	53.81
305.0	000.0080	0860.8	014.8	142.6	008.7123	0845.2	109.5	53.79

Contour Overlap Requirements

Allocation Study

Tabulation of

CH 209, 19951113MC (APP) 60 dBu protected contour & CH 208, KQMC (LIC) MOD 54 dBu interference contour

19951113MC (APP)
 CH 209 C
 13.0 kW
 2395 M COR AMSL
 39 19 08 / 119 40 07

KQMC (LIC) MOD
 CH 208 C2
 .250 kW
 3144 M COR AMSL
 38 27 28 / 118 45 52

60 dBu Protected

54 dBu Interference

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
130.0	004.8373	0879.2	069.0	333.5	000.0225	0436.8	057.3	37.51
131.0	005.0895	0877.7	069.5	332.5	000.0216	0436.8	056.4	37.67
132.0	005.3481	0876.5	070.0	331.5	000.0206	0442.5	055.5	37.94
133.0	005.6131	0875.3	070.5	330.5	000.0195	0464.8	054.7	38.58
134.0	005.8846	0873.4	071.0	329.4	000.0186	0480.2	053.9	39.04
135.0	006.1624	0870.9	071.4	328.2	000.0176	0497.2	053.2	39.51
136.0	006.4467	0867.9	071.8	327.0	000.0167	0515.4	052.5	39.95
137.0	006.7373	0864.7	072.2	325.7	000.0158	0537.0	051.9	40.39
138.0	007.0344	0861.2	072.6	324.3	000.0148	0585.1	051.4	41.14
139.0	007.3379	0857.4	073.0	322.9	000.0139	0603.2	050.9	41.28
140.0	007.6478	0853.3	073.3	321.5	000.0130	0615.3	050.5	41.29
141.0	008.0498	0849.3	073.8	320.1	000.0120	0627.6	050.1	41.30
142.0	008.4620	0846.4	074.2	318.5	000.0114	0632.0	049.7	41.26
143.0	008.8846	0845.2	074.7	317.0	000.0107	0648.2	049.3	41.37
144.0	009.3175	0844.5	075.2	315.4	000.0101	0676.3	049.0	41.59
145.0	009.7607	0842.8	075.7	313.8	000.0094	0692.4	048.7	41.59
146.0	010.2142	0840.8	076.1	312.1	000.0088	0728.9	048.6	41.81
147.0	010.6779	0841.1	076.6	310.5	000.0082	0769.9	048.5	42.03
148.0	011.1520	0843.8	077.2	308.8	000.0080	0790.5	048.4	42.21
149.0	011.6364	0847.5	077.7	307.0	000.0080	0829.3	048.4	42.66
150.0	012.1310	0851.1	078.3	305.3	000.0080	0860.8	048.4	42.98
151.0	012.2166	0853.3	078.4	303.8	000.0080	0872.6	048.9	42.92
152.0	012.3024	0853.6	078.5	302.3	000.0080	0887.7	049.5	42.86
153.0	012.3886	0853.7	078.6	300.9	000.0080	0891.6	050.1	42.66
154.0	012.4750	0854.3	078.7	299.6	000.0080	0894.2	050.8	42.44
155.0	012.5618	0854.5	078.8	298.3	000.0080	0900.8	051.6	42.23
156.0	012.6488	0852.4	078.8	297.1	000.0080	0906.1	052.4	41.98
157.0	012.7362	0850.7	078.8	295.9	000.0080	0912.2	053.3	41.72
158.0	012.8238	0850.5	078.9	294.8	000.0080	0918.2	054.1	41.46
159.0	012.9118	0850.8	079.0	293.7	000.0080	0922.2	055.0	41.17
160.0	013.0000	0850.6	079.0	292.6	000.0080	0924.0	056.0	40.85
161.0	013.0000	0852.2	079.1	291.7	000.0080	0923.8	057.0	40.49
162.0	013.0000	0856.6	079.2	290.7	000.0080	0922.3	058.0	40.13
163.0	013.0000	0857.7	079.2	289.9	000.0080	0919.9	059.1	39.73
164.0	013.0000	0852.3	079.1	289.2	000.0080	0917.6	060.3	39.30
165.0	013.0000	0845.2	078.9	288.6	000.0080	0917.6	061.5	38.88
166.0	013.0000	0838.0	078.7	288.1	000.0080	0915.7	062.8	38.45
167.0	013.0000	0829.0	078.4	287.7	000.0080	0915.7	064.1	38.03
168.0	013.0000	0819.8	078.2	287.3	000.0080	0913.2	065.4	37.59
169.0	013.0000	0812.1	078.0	286.9	000.0080	0913.2	066.7	37.18
170.0	013.0000	0804.6	077.7	286.5	000.0080	0913.2	068.0	36.77

Contour Overlap Requirements

Allocation Study

Map of

CH 208, KQMC (LIC) MOD 60 dBu protected contour & CH 209, 19951113MB (APP) 54 dBu interference contour

KQMC (LIC) MOD
CH 208 C2
.250 kW
3144 M COR AMSL
38 27 28 / 118 45 52

19951113MB (APP)
CH 209 C
13.0 kW
2395 M COR AMSL
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