

**ENVIRONMENTAL AND TECHNICAL EXHIBIT
UNIVISION RADIO HOUSTON LICENSE CORPORATION
MINOR MODIFICATION TO BPH-20070914ACQ
KLTN (FM) FACILITY ID# 65310**

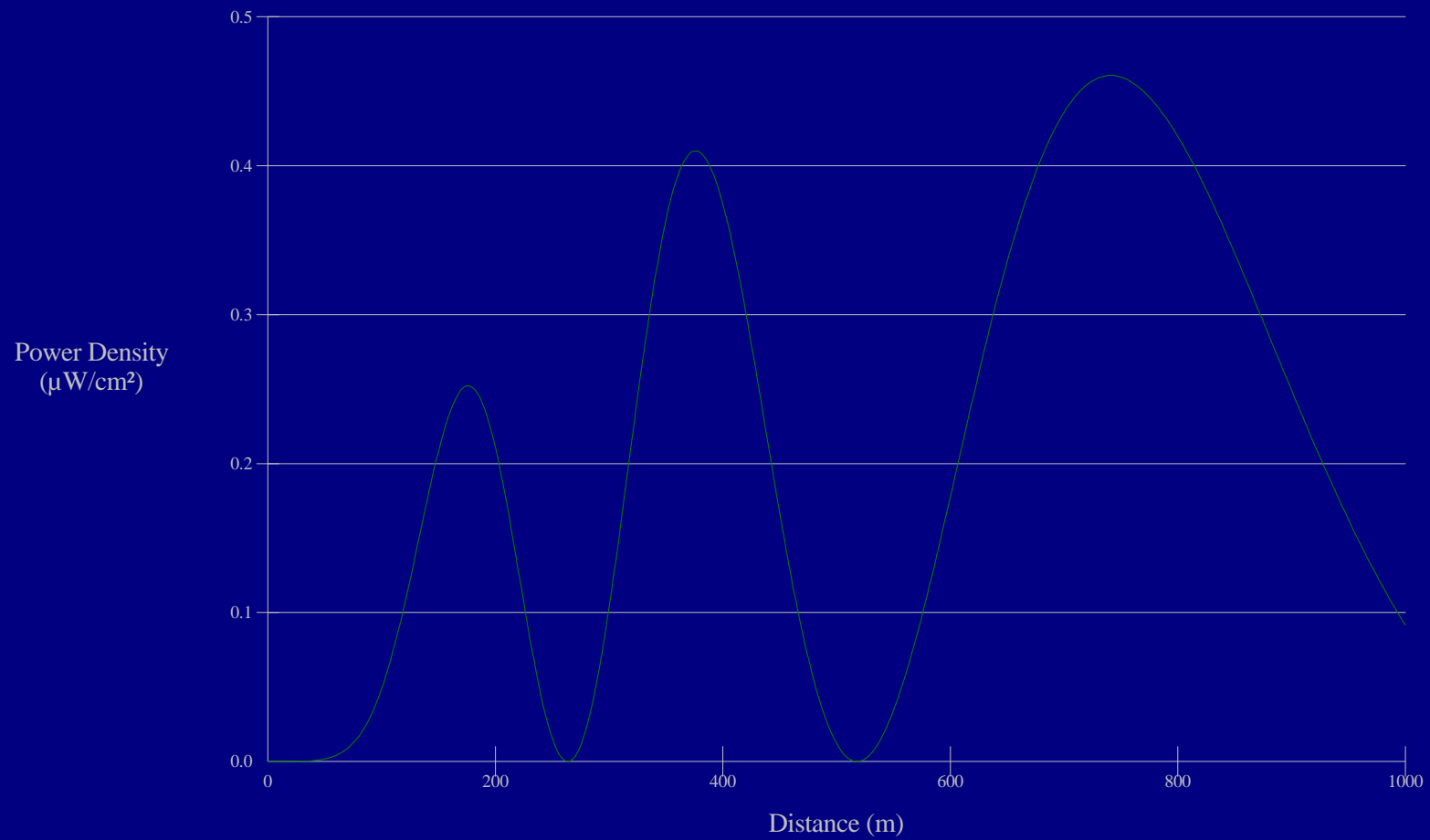
PURPOSE OF APPLICATION

Univision Radio Houston License Corporation (Univision) is submitting this minor modification to the pending application to correct the tower coordinates to match the antenna site registration data. Univision also desires to utilize a different antenna configuration for the two facilities for a common, combined antenna. The revised antenna greatly reduces the power density figure from this facility at two meters above ground level. No alteration of the structure will occur other than the replacement of the KLTN main antenna. The structure also serves as the support structure for KQUE (AM), facility ID 65309. This facility utilizes a two skirt radiator and detuning system supported by the KLTN tower. This antenna change out will not alter the radiation characteristics of KQUE.

ENVIRONMENTAL

Univision proposes, with this instant application to replace the existing antenna with an eight bay EPA Type 7 (DCRM) $\frac{1}{2}$ wave spaced antenna mounted with the radiation center located at 301 meters above ground level. No other alterations of the site will occur as a result of this antenna replacement. The site was studied in accordance with OET publication, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields" Supplement A, Edition 97-01 to OET Bulletin 65, Edition 97-01. Using the OET FM Model software, it was determined that the maximum power density level at two meters above ground level with the antenna type specified is .460 microwatts/cm². This power density level occurs at 740 meters from the base of the tower. This level is .23% of the maximum for general population, uncontrolled exposure level and exempts this facility from further consideration as a contributor. See the following pages for OET FM Model program data.

Power Density vs Distance



100,000 watts horizontal and vertical

301 m above ground level

8 bay half wave "DCRM" EPA 7

Power Density at 2 meters above ground level

Distance (meters) = 1000
Horizontal ERP (W) = 100000
Vertical ERP (W) = 100000
Antenna Height (m) = 301
Antenna Type = 7 (EPA)
Number of Elements = 8
Element Spacing = .5
Y-axis (Linear) = -1
X-axis Setup = 0, 500

X (meters)	Y ($\mu\text{W}/\text{cm}^2$)
0	6.47302783273391E-30
2	3.08665963203403E-09
4	4.97631163645214E-08
6	2.53785320908195E-07
8	8.07810392262745E-07
10	1.9857766438704E-06
12	4.14503122174239E-06
14	7.72818073621883E-06
16	1.3264637685497E-05
18	2.13718329780403E-05
20	3.27560625194514E-05
22	4.82129336967364E-05
24	6.86273757297338E-05
26	9.49731763279902E-05
28	1.31323561475356E-04
30	1.78132864464581E-04
32	2.37178021537322E-04
34	3.10651113324727E-04
36	4.00974933059424E-04
38	5.10809157813026E-04
40	6.43054900908558E-04
42	8.00857446479117E-04
44	9.87606966880318E-04
46	1.20693702572047E-03
48	1.46272067388822E-03
50	1.75906395335581E-03
52	2.10029663391547E-03
54	2.51542884139626E-03
56	3.00889695448733E-03
58	3.57602896041941E-03
60	4.22429005560374E-03
62	4.96146825070979E-03
64	5.79564080640173E-03
66	6.73513469167233E-03
68	7.78848096781627E-03
70	8.96436306276964E-03
72	1.02715589678263E-02
74	1.17188774611568E-02
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78	1.50688483198023E-02
80	1.69886187571543E-02
82	1.91784733257242E-02
84	2.15763171587748E-02
86	2.41860677416376E-02
88	2.70164815775497E-02

90	3.00756555584853E-02
92	3.33709084092196E-02
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96	4.06943135252538E-02
98	4.47321301901074E-02
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106	6.34439499679844E-02
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122	.111728051670604
124	.118592241512597
126	.125586229378356
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130	.139872610064574
132	.147115118404554
134	.154387847150456
136	.161661926270166
138	.168907149430635
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146	.196117448322052
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154	.219908797757227
156	.225102929942932
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162	.238378965436318
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170	.249682290622834
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174	.252056755380582
176	.252276674331297
178	.25192334511153
180	.250990686353449
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