

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
RADIO STATION KHPT(FM)
CONROE, TEXAS
CH 295C 100 KW 579 M

Technical Statement

This Technical Exhibit, of which this statement is part, was prepared on behalf of radio station KHPT(FM) on Channel 295C at Conroe, Texas. KHPT(FM) has recently replaced its main non-directional transmitting antenna with a new non-directional antenna. This application has been prepared to provide the new transmitting model number and transmitter output power pursuant to Section 73.1690(c)(1) of the Commission's Rules.

Figure 1 is a tabulation of the RF transmission system. The maximum effective radiated power remains unchanged at 100 kilowatts. The new antenna has 1.5° of electrical beamtilt. The gain at the horizontal plane is 4.15 dB, which provides an effective radiated power of 91.6 kilowatts at the horizontal plane.

Radiofrequency Electromagnetic Field Exposure

The proposed facility has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, *Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields*.

The power density at the base of the tower was calculated using the appropriate procedure contained in Section 2, Supplement A, *Additional Information for Radio and Television Broadcast Stations*, of the Bulletin.

For the calculation, an assumed downward vertical factor of 0.5 was employed with a combined (horizontal and vertical polarization) effective radiated power of 200 kilowatts and radiation center of 572 meters (1875 feet) above ground level. It is calculated that the power density would not exceed 0.006 mW/cm^2 at ground level. This is less than 5 percent of the Commission's guideline value in an uncontrolled environment for a FM radio station.

Access to the transmitting site is restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure.

Charles A. Cooper

January 27, 2006

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
941.329.6000

Figure 1

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KHPT(FM) RF Transmission System Specifications

Description	System
Transmitter Power Output (49 kW):	16.9 dBk
<i>Dielectric</i> Transmission Line Loss (4-1/16" EIA) 1,960 feet:	1.5 dB
<i>Dielectric</i> DCBR-03-6FMB/18H-1-N Antenna Gain (2.85 Power Gain):	4.6 dB
Effective Radiated Power (100 kW):	20.0 dBk

ATTACHMENT A

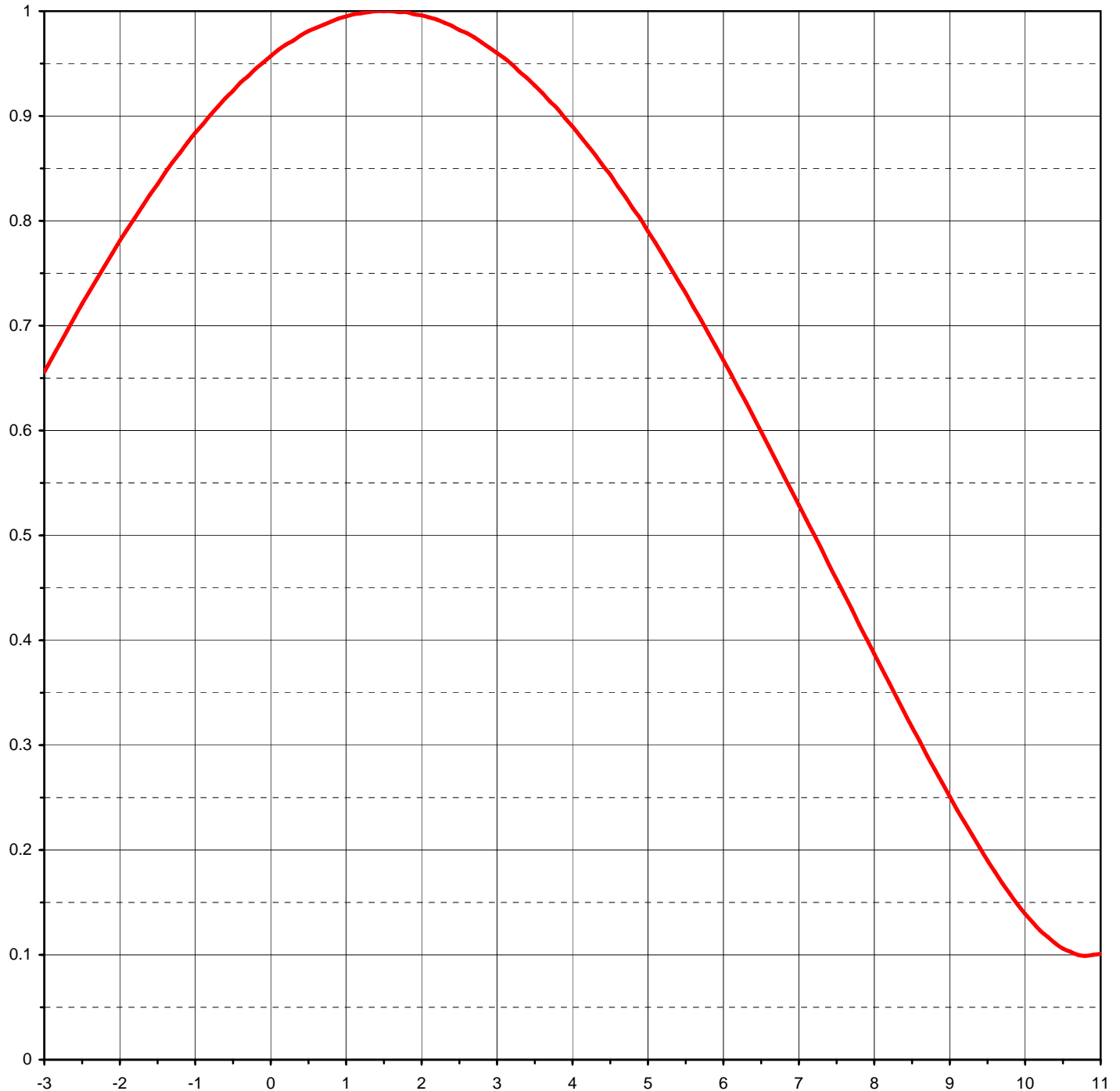
TRANSMITTING ANTENNA INFORMATION



Proposal Number	DCA-11055-1	Revision:	1
Date	29-Jun-05		
Call Letters	KHPT		
Location	Conroe, TX		
Customer	Cox Radio		
Antenna Type	DCBR-O3-6FMB/18H-1-N		

ELEVATION PATTERN

RMS Gain at Main Lobe	2.85	(4.55 dB)	Beam Tilt	1.50 deg
RMS Gain at Horizontal	2.60	(4.15 dB)	Frequency	106.90 MHz
Calculated / Measured	Calculated		Drawing #	06C057150

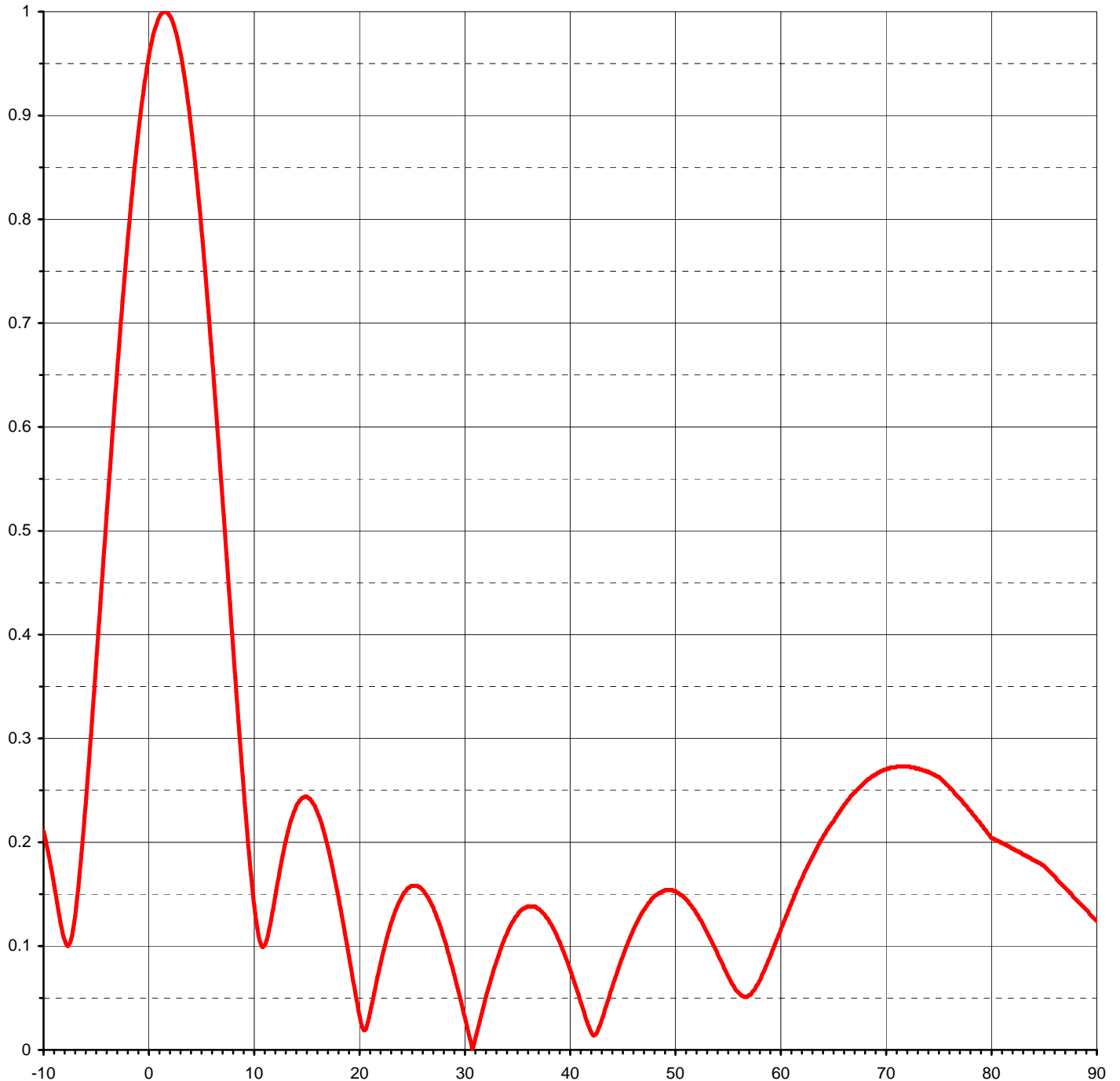




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Date **29-Jun-05**
Call Letters **KHPT**
Location **Conroe, TX**
Customer **Cox Radio**
Antenna Type **DCBR-O3-6FMB/18H-1-N**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **06C057150-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.211	2.4	0.986	10.6	0.106	30.5	0.014	51.0	0.146	71.5	0.273
-9.5	0.187	2.6	0.979	10.8	0.100	31.0	0.007	51.5	0.140	72.0	0.273
-9.0	0.159	2.8	0.970	11.0	0.100	31.5	0.027	52.0	0.133	72.5	0.272
-8.5	0.129	3.0	0.960	11.5	0.115	32.0	0.047	52.5	0.125	73.0	0.271
-8.0	0.106	3.2	0.949	12.0	0.142	32.5	0.065	53.0	0.115	73.5	0.269
-7.5	0.103	3.4	0.936	12.5	0.171	33.0	0.082	53.5	0.105	74.0	0.268
-7.0	0.129	3.6	0.922	13.0	0.197	33.5	0.097	54.0	0.095	74.5	0.265
-6.5	0.178	3.8	0.907	13.5	0.218	34.0	0.110	54.5	0.084	75.0	0.263
-6.0	0.237	4.0	0.890	14.0	0.232	34.5	0.121	55.0	0.073	75.5	0.258
-5.5	0.303	4.2	0.872	14.5	0.241	35.0	0.129	55.5	0.063	76.0	0.253
-5.0	0.373	4.4	0.853	15.0	0.244	35.5	0.135	56.0	0.056	76.5	0.247
-4.5	0.445	4.6	0.833	15.5	0.240	36.0	0.138	56.5	0.052	77.0	0.242
-4.0	0.517	4.8	0.812	16.0	0.231	36.5	0.138	57.0	0.052	77.5	0.236
-3.5	0.587	5.0	0.790	16.5	0.218	37.0	0.136	57.5	0.057	78.0	0.230
-3.0	0.656	5.2	0.767	17.0	0.199	37.5	0.132	58.0	0.065	78.5	0.224
-2.8	0.682	5.4	0.743	17.5	0.177	38.0	0.126	58.5	0.076	79.0	0.217
-2.6	0.708	5.6	0.718	18.0	0.152	38.5	0.117	59.0	0.088	79.5	0.211
-2.4	0.733	5.8	0.693	18.5	0.125	39.0	0.106	59.5	0.101	80.0	0.204
-2.2	0.757	6.0	0.667	19.0	0.096	39.5	0.094	60.0	0.113	80.5	0.202
-2.0	0.781	6.2	0.640	19.5	0.066	40.0	0.080	60.5	0.126	81.0	0.199
-1.8	0.803	6.4	0.613	20.0	0.038	40.5	0.065	61.0	0.139	81.5	0.197
-1.6	0.825	6.6	0.585	20.5	0.019	41.0	0.049	61.5	0.151	82.0	0.194
-1.4	0.846	6.8	0.557	21.0	0.031	41.5	0.033	62.0	0.163	82.5	0.191
-1.2	0.865	7.0	0.529	21.5	0.055	42.0	0.019	62.5	0.174	83.0	0.188
-1.0	0.884	7.2	0.501	22.0	0.079	42.5	0.015	63.0	0.184	83.5	0.186
-0.8	0.901	7.4	0.472	22.5	0.100	43.0	0.026	63.5	0.194	84.0	0.183
-0.6	0.917	7.6	0.444	23.0	0.119	43.5	0.042	64.0	0.203	84.5	0.180
-0.4	0.932	7.8	0.415	23.5	0.134	44.0	0.058	64.5	0.213	85.0	0.177
-0.2	0.945	8.0	0.387	24.0	0.145	44.5	0.073	65.0	0.220	85.5	0.172
0.0	0.957	8.2	0.359	24.5	0.153	45.0	0.088	65.5	0.228	86.0	0.167
0.2	0.968	8.4	0.331	25.0	0.158	45.5	0.101	66.0	0.236	86.5	0.161
0.4	0.977	8.6	0.304	25.5	0.158	46.0	0.113	66.5	0.242	87.0	0.156
0.6	0.984	8.8	0.277	26.0	0.155	46.5	0.124	67.0	0.248	87.5	0.151
0.8	0.990	9.0	0.251	26.5	0.148	47.0	0.133	67.5	0.253	88.0	0.145
1.0	0.995	9.2	0.226	27.0	0.139	47.5	0.141	68.0	0.258	88.5	0.140
1.2	0.998	9.4	0.202	27.5	0.126	48.0	0.147	68.5	0.262	89.0	0.135
1.4	1.000	9.6	0.179	28.0	0.111	48.5	0.151	69.0	0.265	89.5	0.129
1.6	1.000	9.8	0.168	28.5	0.094	49.0	0.153	69.5	0.268	90.0	0.124
1.8	0.999	10.0	0.148	29.0	0.076	49.5	0.154	70.0	0.270		
2.0	0.996	10.2	0.131	29.5	0.056	50.0	0.153	70.5	0.272		
2.2	0.992	10.4	0.117	30.0	0.035	50.5	0.150	71.0	0.273		