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ENGINEERING EXHIBIT
AMENDMENT TO APPLICATION FOR
MODIFICATION OF CONSTRUCTION PERMIT
CHANNEL 12 OF BEAUMONT, INC.
STATION KBMT-DT, BEAUMONT, TEXAS
CHANNEL 12 160 KW (MAX-DA) 301 METERS

INTRODUCTION

Channel 12 of Beaumont, Inc. (hereafter, Channel 12) is the licensee of digital Station KBMT-DT, Beaumont, Texas, which currently operates on Channel 50 with maximum effective radiated power of 35.5 kW. The antenna radiation center is 276 meters above average terrain. A construction permit has been issued in BPCDT-20080317ABX for KBMT-DT operation on Channel 12 with maximum ERP of 11.1 kW and antenna radiation center height of 305 meters above average terrain. An application is pending in BMPCDT-20080616AEJ to maximize the KBMT-DT operation on Channel 12.

The instant Engineering Exhibit is in support of an amendment to BMPCDT-20080616AEJ. This amendment proposes a slight modification of the proposed directional radiation pattern so as to achieve a small reduction in the interference caused to Channel 12 station KAMU-DT, College Station, Texas. As now proposed, the interference to the licensed KAMU-DT operation is 0.32 %. The maximum effective radiated power that is proposed remains at 160 kW, and the antenna radiation center height above average terrain remains unchanged at 301 meters. Also, the electrical beam tilt of 0.75° that is proposed in the pending application remains unchanged.

The antenna that will be employed is a Dielectric, Model THV-10A12-R C160. This is the same model antenna that is currently specified except that the radiation pattern has been modified slightly. The new antenna will replace the existing Channel 12 antenna that is used for KBMT-TV's analog operation.

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The ASRN for the antenna supporting tower is 1047437. Due to the shorter length of the new digital antenna, the overall structure height will be reduced from 322.6 meters above mean sea level to 316.7 meters above mean sea level. The FAA will be notified of the proposed height reduction, and upon receipt of a revised Determination of No Hazard to Air Navigation, the ASRN for the structure will be modified accordingly. The NAD '27 geographic coordinates for the site are: 30° 11' 26" N. Latitude; 93° 53' 08" W. Longitude.

The 160 kW ERP that is proposed for KBMT-DT is the maximum that is permitted for a Zone III DTV station operating in the high VHF band segment (Channels 7-13), with an antenna height above average terrain of 301 meters.

INTERFERENCE CONSIDERATIONS

A study has been performed for the proposed KBMT-DT operation, as amended herein, to determine compliance with the FCC's requirement that new interference to a post-transition Appendix B allotment, or licensed operation, not exceed 0.5 % in population, using the 2000 Census. Also, studies have been made for the pending KBMT-DT facility pursuant to BMPCDT-20080616AEJ and for the proposed operation that is set forth herein that establishes that this amendment does not increase the interference caused to any co-pending post-transition maximization application, Class A station, or outstanding construction permit relative to the interference caused by the pending application, BMPCDT-20080616AEJ.

The TV Interference and Spacing Analysis Program that was used was the William Meintel implementation of the FCC's program. Mr. Meintel is the contractor who developed the FCC's program. A Sunblade processor was used. The Post Transition Appendix B DTV facilities that are set forth in the Memorandum Opinion and Order on Reconsideration of the Seventh Report and Order and Eighth Report and Order in MB Docket No. 87-268, Released March, 2008, and the facilities for Class A stations, and pending maximization applications

were used for the study. No changes were made to any of the FCC's default values. The undersigned has closely replicated FCC results in the past using Mr. Meintel's program with the Sunblade processor.

The study results comprise more than 450 pages. Figure 1 presents a summary of the results of the studies made. A worst case reference was first established for the pending application in BMPCDT-20080616AEJ for comparison with the worst case percent interference increase resulting from the inclusion of the KBMT-DT amended proposal. . Due to the numerous permutations that are possible because of the many pending maximization proposals, the interference percent that is listed for each target station is for the scenario combination of stations and proposals that produces the greatest interference percentage with the KBMT-DT amendment included. As is evident from Figure 1, no station's Appendix B allotment, licensed operation, or CP authorization receives more than 0.5 % new interference from the amended KBMT-DT proposal, nor does any pending maximization proposal receive increased interference as a result of the instant amendment compared with the interference that prevails from the pending application in BMPCDT-20080616AEJ.

PROPOSED OPERATION DETAILS

As stated earlier, the antenna that is proposed for KBMT-DT, Channel 12, use is the same Dielectric, Type THV-10A12-R C160, with 0.75° electrical beam tilt, as before. Only the radiation pattern has been modified slightly. The new pattern is identified as Revision 1. The antenna has a maximum power gain of 16.0 (12.04 dBd), horizontally polarized. Figure 2 is the azimuth relative field pattern for the antenna, and Figure 3 is the tabulation of relative field values for the pattern of Figure 2. Figure 4 is the elevation relative field pattern for the antenna. Figure 5 is a tabulation of relative field data for the pattern of Figure 4.

Energy from the transmitter will be transferred to the antenna by means of a 305 meter length of Dielectric, 50 ohm, EHT rigid coaxial transmission line having a nominal diameter of 10.3 centimeters. The transmission line loss at Channel 12 for the given length is 0.96 dB. With the transmitter power output level set at 12.5 kW, a horizontally polarized maximum effective radiated power of 160 kW will be achieved. The maximum radiation will occur at the 0.75° beam tilt angle along bearings of 60° and 140° true.

Figure 6 is a map that shows the calculated noise-limited, 36 dBu, and principal community service, 43 dBu, F(50,90), contours for the proposed operation. All of Beaumont is encompassed by the 43 dBu contour, as required by the Rules. The interference-free population that is projected to be served within the 36 dBu contour is 772,190 persons (rounded to 772,000 persons) in 37,225 square kilometers. The foregoing takes into account the predicted interference to 728 persons in 141 km² from the licensed operation of KAMU-DT, College Station, TX, Channel 12, pursuant to BLEDT-20030319AFB and the CP operation of KTRK-DT, Houston, Ch. 13, pursuant to BPCDT-20080430AEB.

Figure 7 provides the underlying supporting information for the contours of Figure 6. Calculations were made at 10° intervals, as required by the FCC's Rules. The antenna center height above average terrain values that are listed are based on elevation data from the FCC's NGDC 30" terrain elevation database.

ENVIRONMENTAL IMPACT CONSIDERATIONS

Environmental impact considerations are addressed for the proposed operation. Since the site that is to be employed is already used for broadcasting purposes, only the environmental impact concern relating to radiofrequency radiation (rfr) exposure of humans is germane from among the list of environmentally sensitive conditions listed in Section 1.1306 of the FCC Rules.

Commencement of the KBMT-DT operation, that is proposed herein, will occur after the cessation of the KBMT, Channel 12, analog operation on February 17, 2009. Since the analog operation for KBMT, Channel 12, will cease before the implementation of the digital operation for KBMT-DT, Channel 12, the impact of the analog operation of KBMT is ignored in the rfr exposure analysis that is presented.

Consideration of prospective exposure levels to the general public at uncontrolled locations is discussed first. This is then followed by a discussion related to worker exposure at controlled locations.

The elevation pattern of Figure 4 and accompanying "Tabulation of Elevation Pattern" of Figure 5 for the proposed KBMT-DT antenna show that the relative field throughout the depression angle range from 9.8° to 90° below the horizontal plane, does not exceed 0.17. In the interest of using conservative criteria for determining the rfr exposure levels from the post-transition KBMT-DT, Channel 12, antenna, a target for uncontrolled location calculations has been chosen to be a point at the tower base. The height above ground level for the target is 2 meters, corresponding, approximately, to the height of a person's head.

The use of a person's head as the touchstone for evaluating if overexposure occurs, rather than by evaluating for average whole body exposure, as set forth in the FCC's adopted standard, simplifies the calculation and adds an additional safety factor, as well. Also, additional safety factors are built-in by assuming that all the radiation emanates from the bottom of the antenna, and that the maximum relative field radiation within the recited depression angle range prevails throughout the depression angle range.

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A ray from the KBMT-DT, Channel 12, antenna, at a depression angle of 9.8° , would impinge at a target 2 meters above the earth's surface at a distance of 1,673 meters from the tower base, assuming flat earth. Within this 1,673-meter range, the greatest level of equivalent plane wave power density that could occur would be at the 2-meter above ground level target at the tower base.

A test calculation, using OET Bulletin 65, Edition 97-01, procedures, has been performed. The distance to the target from the antenna bottom was 289 meters. The calculation included a 1.6 ground reflection coefficient. The maximum ERP used was 160 kW. The elevation pattern relative field value that was used was 0.17. The resultant equivalent plane wave power density at the target was determined to be 0.00134 mW/cm^2 , corresponding to 0.7 % of the maximum permissible exposure (MPE) of 0.2 mW/cm^2 for Channel 12 (204-210 MHz.). The 0.2 % of the MPE contribution from the proposed KBMT-DT operation is less than the 5 % trigger value for cooperative involvement in remedial actions in the event of an overexposure condition at an uncontrolled location. The calculation that was made assumed that the earth was flat.

Another calculation to a target that is located 2 meters above ground level at a distance of 1,673 meters from the tower base was performed. This time the maximum radiation of 160 kW from the antenna was used with no consideration to elevation plane directivity. The equivalent plane wave power density turned out to be 0.0019 mW/cm^2 , corresponding to 1.0 % of the MPE. Thus, the exposure levels from the proposed facility at uncontrolled locations, based on these conservative calculations, will not exceed 1.0 % of the MPE anywhere.

As to worker, or controlled location exposure concerns, the KBMT-DT tower is within a fenced enclosure, and the gate entranceway is kept locked at all times. Access

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within the fence is available only to authorized personnel. Those workers who have activities that require tower climbing, are aware of the procedures to follow to avoid rfr over-exposure. A radiation hazard warning sign is posted on the fence. The fenced area qualifies as a controlled location work area.

Procedures that are now in place regarding power reduction or termination of excitation to the antenna, according to the work effort location that is involved in order to avoid worker overexposure to rfr, will continue to be observed. In this manner, avoidance of overexposure of workers to rfr will continue to be achieved.

The proposal does not require the preparation of an "Environmental Assessment".

I declare under penalty of perjury that the foregoing is true and correct. Executed on September 26, 2008.

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FIGURE 1

WORST CASE
INTERFERENCE ANALYSIS RESULTS SUMMARY
PROPOSED KBMT-DT, BEAUMONT, TEXAS
CH. 12 160 KW (MAX-DA) 301 METERS

Target Facility	Max. Percent IX w/BMPCDT-20080616AEJ	Max. Percent IX w/ Amendment
KHOU-DT, Houston, TX Appl. BMPCDT-20080618AAN	0.12	0.08
KHOU-DT, Houston, TX DTVPLN-DTVP0349	-----	-----
KHOU-DT, Houston, TX CP, BPCDT-20080303ALI	-----	-----
WJTV-DT, Jackson, MS DTVPLN-DTVP0386	0.01	0.01
WJTV-DT, Jackson, MS Appl. BMPCDT-20080619ABX	0.55	0.55
WJTV-DT, Jackson, MS CP, BPCDT-20080410ABA	0.03	0.03
KAMU-DT, College Station, TX DTVPLN-DTVP0407	0.42	0.20
KAMU-DT, College Station, TX Lic. BLEDT-20030319AFB	0.57	0.32
KJEF-CA, Jennings, LA Lic. BLTVL-19890105ID	-----	-----
KTRK-DT, Houston, TX CP, BPCDT-20080430AEB	-----	-----
KTRK-DT, Houston, TX DTVPLN-DTVP0479	-----	-----

Note: Where no interference percent is provided, the computer result indicated that no interference was caused.



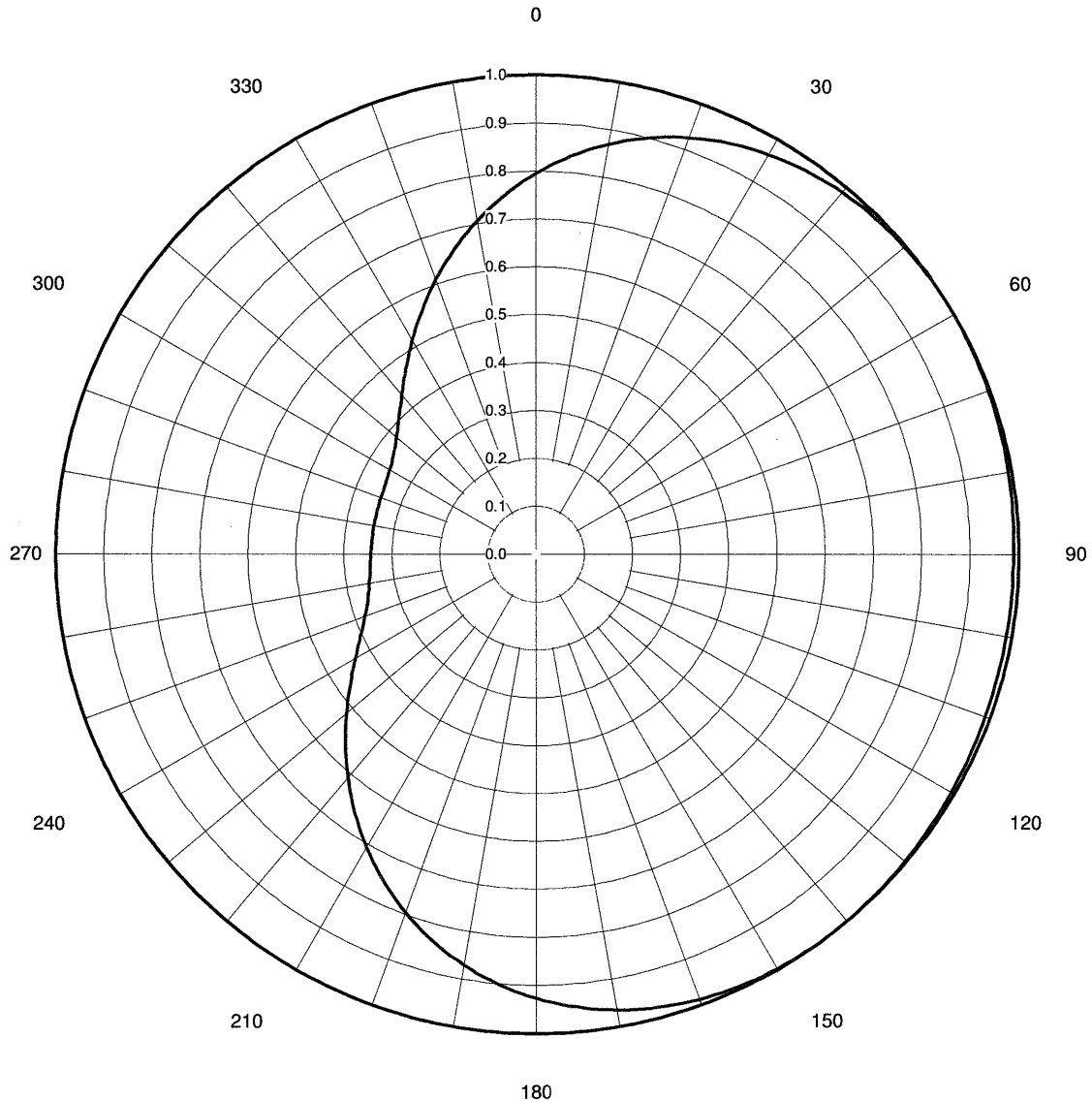
Proposal Number	C-02325	Revision:	1
Date	24-Sep-08		
Call Letters	KBMT-DT	Channel	12
Location	Beaumont, TX		
Customer	McKinnon Broadcasting		
Antenna Type	THV-10A12-R C160		

FIGURE 2

AZIMUTH PATTERN

Gain **1.60** **(2.04 dB)**
Calculated / Measured **Calculated**

Frequency **207.00 MHz**
Drawing # **THV-160**



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 Location **Beaumont, TX**
 Customer **McKinnon Broadcasting**
 Antenna Type **THV-10A12-R C160**

FIGURE 3

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **THV-160**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.795	45	0.994	90	0.990	135	0.999	180	0.926	225	0.561	270	0.343	315	0.403
1	0.803	46	0.995	91	0.989	136	0.999	181	0.921	226	0.552	271	0.343	316	0.409
2	0.811	47	0.996	92	0.989	137	0.999	182	0.916	227	0.542	272	0.343	317	0.415
3	0.819	48	0.997	93	0.989	138	1.000	183	0.911	228	0.533	273	0.343	318	0.421
4	0.827	49	0.997	94	0.989	139	1.000	184	0.906	229	0.524	274	0.343	319	0.428
5	0.834	50	0.998	95	0.989	140	1.000	185	0.900	230	0.515	275	0.343	320	0.434
6	0.842	51	0.998	96	0.989	141	1.000	186	0.894	231	0.506	276	0.343	321	0.441
7	0.849	52	0.999	97	0.988	142	1.000	187	0.888	232	0.497	277	0.343	322	0.449
8	0.856	53	0.999	98	0.988	143	1.000	188	0.882	233	0.489	278	0.343	323	0.456
9	0.863	54	0.999	99	0.988	144	1.000	189	0.876	234	0.480	279	0.343	324	0.464
10	0.870	55	1.000	100	0.988	145	1.000	190	0.870	235	0.472	280	0.343	325	0.472
11	0.876	56	1.000	101	0.988	146	0.999	191	0.863	236	0.464	281	0.343	326	0.480
12	0.882	57	1.000	102	0.988	147	0.999	192	0.856	237	0.456	282	0.343	327	0.489
13	0.888	58	1.000	103	0.988	148	0.999	193	0.849	238	0.449	283	0.343	328	0.497
14	0.894	59	1.000	104	0.989	149	0.998	194	0.842	239	0.441	284	0.343	329	0.506
15	0.900	60	1.000	105	0.989	150	0.998	195	0.834	240	0.434	285	0.343	330	0.515
16	0.906	61	1.000	106	0.989	151	0.997	196	0.827	241	0.428	286	0.343	331	0.524
17	0.911	62	1.000	107	0.989	152	0.997	197	0.819	242	0.421	287	0.343	332	0.533
18	0.916	63	0.999	108	0.989	153	0.996	198	0.811	243	0.415	288	0.343	333	0.542
19	0.921	64	0.999	109	0.989	154	0.995	199	0.803	244	0.409	289	0.343	334	0.552
20	0.926	65	0.999	110	0.990	155	0.994	200	0.795	245	0.403	290	0.343	335	0.561
21	0.931	66	0.999	111	0.990	156	0.993	201	0.787	246	0.398	291	0.344	336	0.571
22	0.935	67	0.998	112	0.990	157	0.992	202	0.778	247	0.393	292	0.344	337	0.580
23	0.939	68	0.998	113	0.991	158	0.990	203	0.770	248	0.388	293	0.345	338	0.590
24	0.944	69	0.998	114	0.991	159	0.989	204	0.761	249	0.383	294	0.345	339	0.600
25	0.947	70	0.997	115	0.991	160	0.987	205	0.752	250	0.379	295	0.346	340	0.609
26	0.951	71	0.997	116	0.992	161	0.986	206	0.743	251	0.375	296	0.347	341	0.619
27	0.955	72	0.997	117	0.992	162	0.984	207	0.734	252	0.371	297	0.348	342	0.629
28	0.958	73	0.996	118	0.992	163	0.982	208	0.725	253	0.368	298	0.349	343	0.639
29	0.961	74	0.996	119	0.993	164	0.980	209	0.716	254	0.365	299	0.350	344	0.649
30	0.965	75	0.995	120	0.993	165	0.978	210	0.706	255	0.362	300	0.352	345	0.658
31	0.967	76	0.995	121	0.994	166	0.975	211	0.697	256	0.360	301	0.353	346	0.668
32	0.970	77	0.994	122	0.994	167	0.973	212	0.687	257	0.357	302	0.355	347	0.678
33	0.973	78	0.994	123	0.994	168	0.970	213	0.678	258	0.355	303	0.357	348	0.687
34	0.975	79	0.994	124	0.995	169	0.967	214	0.668	259	0.353	304	0.360	349	0.697
35	0.978	80	0.993	125	0.995	170	0.965	215	0.658	260	0.352	305	0.362	350	0.706
36	0.980	81	0.993	126	0.996	171	0.961	216	0.649	261	0.350	306	0.365	351	0.716
37	0.982	82	0.992	127	0.996	172	0.958	217	0.639	262	0.349	307	0.368	352	0.725
38	0.984	83	0.992	128	0.997	173	0.955	218	0.629	263	0.348	308	0.371	353	0.734
39	0.986	84	0.992	129	0.997	174	0.951	219	0.619	264	0.347	309	0.375	354	0.743
40	0.987	85	0.991	130	0.997	175	0.947	220	0.609	265	0.346	310	0.379	355	0.752
41	0.989	86	0.991	131	0.998	176	0.944	221	0.600	266	0.345	311	0.383	356	0.761
42	0.990	87	0.991	132	0.998	177	0.939	222	0.590	267	0.345	312	0.388	357	0.770
43	0.992	88	0.990	133	0.998	178	0.935	223	0.580	268	0.344	313	0.393	358	0.778
44	0.993	89	0.990	134	0.999	179	0.931	224	0.571	269	0.344	314	0.398	359	0.787

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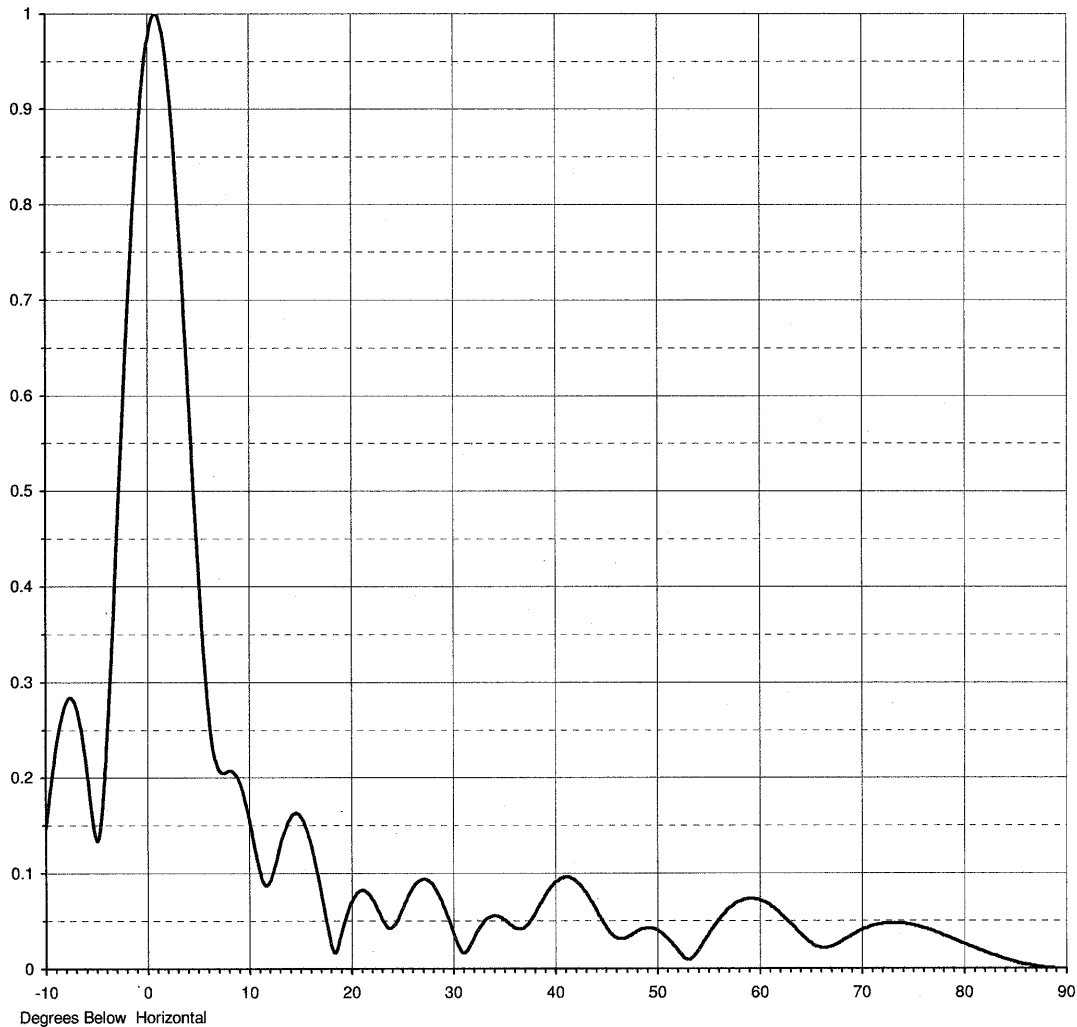


Proposal Number **C-02325** Revision: **1**
Date **24-Sep-08**
Call Letters **KBMT-DT** Channel **12**
Location **Beaumont, TX**
Customer **McKinnon Broadcasting**
Antenna Type **THV-10A12-R C160**

FIGURE 4

ELEVATION PATTERN

RMS Gain at Main Lobe	10.00 (10.00 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	9.50 (9.78 dB)	Frequency	207.00 MHz
Calculated / Measured	Calculated	Drawing #	10V100075-90



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FIGURE 5

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **10V100075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.147	2.4	0.884	10.6	0.128	30.5	0.026	51.0	0.033	71.5	0.047
-9.5	0.191	2.6	0.856	10.8	0.117	31.0	0.017	51.5	0.028	72.0	0.048
-9.0	0.230	2.8	0.825	11.0	0.107	31.5	0.020	52.0	0.021	72.5	0.048
-8.5	0.260	3.0	0.792	11.5	0.090	32.0	0.030	52.5	0.015	73.0	0.048
-8.0	0.279	3.2	0.758	12.0	0.089	32.5	0.040	53.0	0.010	73.5	0.048
-7.5	0.284	3.4	0.722	12.5	0.103	33.0	0.048	53.5	0.012	74.0	0.048
-7.0	0.274	3.6	0.684	13.0	0.124	33.5	0.054	54.0	0.019	74.5	0.047
-6.5	0.248	3.8	0.646	13.5	0.143	34.0	0.056	54.5	0.027	75.0	0.046
-6.0	0.208	4.0	0.607	14.0	0.156	34.5	0.055	55.0	0.035	75.5	0.045
-5.5	0.163	4.2	0.568	14.5	0.162	35.0	0.052	55.5	0.043	76.0	0.043
-5.0	0.134	4.4	0.529	15.0	0.161	35.5	0.048	56.0	0.051	76.5	0.041
-4.5	0.161	4.6	0.491	15.5	0.151	36.0	0.044	56.5	0.057	77.0	0.040
-4.0	0.239	4.8	0.453	16.0	0.135	36.5	0.042	57.0	0.063	77.5	0.038
-3.5	0.341	5.0	0.417	16.5	0.112	37.0	0.043	57.5	0.067	78.0	0.035
-3.0	0.454	5.2	0.382	17.0	0.086	37.5	0.048	58.0	0.070	78.5	0.033
-2.8	0.499	5.4	0.350	17.5	0.058	38.0	0.056	58.5	0.073	79.0	0.031
-2.6	0.544	5.6	0.320	18.0	0.031	38.5	0.066	59.0	0.074	79.5	0.029
-2.4	0.589	5.8	0.293	18.5	0.017	39.0	0.075	59.5	0.074	80.0	0.027
-2.2	0.633	6.0	0.269	19.0	0.033	39.5	0.083	60.0	0.073	80.5	0.024
-2.0	0.676	6.2	0.249	19.5	0.052	40.0	0.090	60.5	0.070	81.0	0.022
-1.8	0.717	6.4	0.233	20.0	0.068	40.5	0.094	61.0	0.068	81.5	0.020
-1.6	0.756	6.6	0.222	20.5	0.078	41.0	0.096	61.5	0.064	82.0	0.018
-1.4	0.793	6.8	0.213	21.0	0.082	41.5	0.096	62.0	0.059	82.5	0.016
-1.2	0.828	7.0	0.208	21.5	0.081	42.0	0.093	62.5	0.054	83.0	0.014
-1.0	0.860	7.2	0.206	22.0	0.075	42.5	0.088	63.0	0.049	83.5	0.012
-0.8	0.889	7.4	0.205	22.5	0.066	43.0	0.081	63.5	0.044	84.0	0.010
-0.6	0.915	7.6	0.205	23.0	0.054	43.5	0.073	64.0	0.038	84.5	0.009
-0.4	0.937	7.8	0.206	23.5	0.045	44.0	0.064	64.5	0.032	85.0	0.007
-0.2	0.957	8.0	0.207	24.0	0.043	44.5	0.055	65.0	0.028	85.5	0.006
0.0	0.973	8.2	0.207	24.5	0.049	45.0	0.046	65.5	0.024	86.0	0.005
0.2	0.985	8.4	0.206	25.0	0.060	45.5	0.038	66.0	0.022	86.5	0.004
0.4	0.994	8.6	0.204	25.5	0.072	46.0	0.033	66.5	0.022	87.0	0.003
0.6	0.999	8.8	0.201	26.0	0.083	46.5	0.032	67.0	0.024	87.5	0.002
0.8	1.000	9.0	0.196	26.5	0.090	47.0	0.033	67.5	0.026	88.0	0.001
1.0	0.998	9.2	0.190	27.0	0.094	47.5	0.036	68.0	0.029	88.5	0.001
1.2	0.991	9.4	0.183	27.5	0.093	48.0	0.039	68.5	0.032	89.0	0.000
1.4	0.982	9.6	0.175	28.0	0.089	48.5	0.042	69.0	0.036	89.5	0.000
1.6	0.969	9.8	0.170	28.5	0.080	49.0	0.043	69.5	0.039	90.0	0.000
1.8	0.952	10.0	0.161	29.0	0.069	49.5	0.043	70.0	0.041		
2.0	0.932	10.2	0.150	29.5	0.055	50.0	0.041	70.5	0.043		
2.2	0.910	10.4	0.139	30.0	0.041	50.5	0.038	71.0	0.045		

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SEPTEMBER 2008

43 DBU

36 DBU

0 30 60 kilometers

CHANNEL 12 OF BEAUMONT, INC.
STATION KBMT-DT, BEAUMONT, TEXAS
CHANNEL 12 160 KW (MAX-DA) 301 METERS

Consulting Engineer

BERNARD R. SEGAL, P. E.
CONSULTING ENGINEER
KENSINGTON, MARYLAND

FIGURE 7

ELEVATION DATA AND
DISTANCES TO SERVICE CONTOURS
PROPOSED KBMT-DT, BEAUMONT, TEXAS
CH. 12 160 KW (MAX-DA) 301 METERS

NAD '27 Site Coordinates: 30° 11' 26" N; 93° 53' 08" W
Antenna Radiation Center: 307 meters AMSL

Azimuth (Deg. True)	HAAT (meters)	Depression Angle To Radio Horizon (degrees)	ERP (kW)	Distance To	
				43 dBu Contour (km)	36 dBu Contour (km)
0	297	0.5	101	97.6	111.4
10	297	0.5	121	99.0	113.1
20	297	0.5	137	100.0	114.3
30	297	0.5	149	100.7	115.1
40	297	0.5	156	101.1	115.6
50	297	0.5	159	101.2	115.8
60	297	0.5	160	101.3	115.8
70	297	0.5	159	101.2	115.8
80	299	0.5	158	101.2	115.9
90	303	0.5	157	101.5	116.2
100	306	0.5	156	101.7	116.5
110	306	0.5	157	101.8	116.5
120	307	0.5	158	101.9	116.7
130	307	0.5	159	102.0	116.8
140	306	0.5	160	101.9	116.7
150	307	0.5	159	102.0	116.8
160	307	0.5	156	101.8	116.5
170	307	0.5	149	101.4	116.1
180	307	0.5	137	100.7	115.2
190	307	0.5	121	99.7	114.0
200	307	0.5	101	98.3	112.2
210	307	0.5	79.7	96.4	110.1
220	307	0.5	59.3	94.1	107.4
230	306	0.5	42.4	91.5	104.4
240	303	0.5	30.1	88.6	101.2
250	301	0.5	23.0	86.5	98.9
260	301	0.5	19.8	85.3	97.7
270	299	0.5	18.8	84.8	97.1
280	297	0.5	18.8	84.7	97.0
290	297	0.5	18.8	84.7	97.0
300	297	0.5	19.8	85.1	97.4
310	297	0.5	23.0	86.2	98.6
320	297	0.5	30.1	88.3	100.8
330	297	0.5	42.4	90.9	103.6
340	297	0.5	59.3	93.4	106.6
350	297	0.5	79.7	95.7	109.2

Note: In each direction, the relative field at the depression angle to the radio horizon exceeds 90 % of the maximum in the vertical plane. Therefore, the maximum ERP was used to determine the contour distance.