

MULLANEY ENGINEERING, INC.

9049 SHADY GROVE COURT
GAITHERSBURG, MD 20877

EXHIBIT 1

TECHNICAL CHANGES - ENGINEERING AMENDMENT

**HOUSTON CHRISTIAN BROADCASTER, INC.
NEW - FM TRANSLATOR
HUNTSVILLE, TX
BNPFT-20030317CNA
FACILITY ID 141207**

Applicant makes the following minor technical changes to its pending “short-form” application to resolve Mutually Exclusive (MX) relationships within:

MX GROUP 464

Section III-A Engineering (Tech Box), is amended in its entirety to specify a slight correction to its proposed location, antenna height above ground (antenna AGL) and details concerning the antenna supporting structure (tower). No change in the output channel is proposed.

Collectively, the resulting changes are permissible and classified as a “minor” amendment under the Commission’s application processing rules.

Applicant provides herein as Table I an interference study that demonstrates that the facilities proposed herein are no longer part of the MX group specified above and are not in conflict with any other application subject to auction and may be reclassified as a singleton application, and proceed to grant upon submission of a “full-form” application (when authorized to do so by the Commission).

Applicant demonstrates as provided in the interference study that the changes proposed are MX with the original application with overlap of the primary 60 dBu contours and is therefore a “minor change” amendment.

LPFM PRECLUSION STUDY

The proposal will not preclude any LPFM channels within a spectrum limited or spectrum available market as described in Appendix A and B of the Fourth Report and Order (FCC 12-29) released March 19, 2012.

The proposed transmitter site has been slightly modified from the original Short Form location. As such, pursuant to Public Notice DA 13-383, Attachment B, an LPFM Preclusion study is included herein.

LPFM GRID TEST

As Table II shows, the proposed transmitter site is outside the Houston-Galveston TX Arbitron market, and outside the 39km buffer zone that surrounds the 30x30 Market Grid (See Table II Map).

As the map in Table II shows, this proposal would not preclude any LPFM stations within the Houston-Galveston TX market grid.

The proposed site is also outside all other Appendix-A markets, grids, and buffers. Therefore, no other LPFM Grid Test showings are required. This application cannot preclude any LPFM filing, within any market grid of concern.

TOP-50 TRANSMITTER SITE TEST

The proposed transmitter site is outside any Top-50 Arbitron market. Therefore, a Top-50 Market Transmitter site test is not required.

July 20, 2013

Timothy Z. Sawyer
Consulting Engineering
Mullaney Engineering, Inc.



MX GROUP 464 CLEARED

Houston Christian Broadcasters, Inc.

TABLE I

REFERENCE
30 42 54.0 N.
95 31 42.0 W.

CH# 265D - 100.9 MHz, Pwr= 0.205 kW, HAAT= 84.7 M, COR= 178.9 M
Average Protected F(50-50)= 11.33 km
Omni-directional

DISPLAY DATES
DATA 07-21-13

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
265D Huntsville	632763	APP_C_ TX		7.6 187.6	0.40 BNPFT20030317CNA	30 43 07.0 95 31 40.0	0.250 77	36.8 170	10.8 Houston Christian Broadcas	-49.0*	-53.5*
264C Lumberton	KKHT-FM	LIC_CX TX		127.3 307.8	121.14 BLH20111020ACS	30 03 05.0 94 31 37.0	100.000 595	136.0 609	91.4 Salem Media Of Illinois, L	-25.8*<	14.2
266C Houston	KLOL	LIC_CX TX		179.2 359.2	126.25 BMLH20090814AAT	29 34 34.0 95 30 36.0	100.000 585	135.9 605	91.3 Cbs Radio Stations Inc.	-20.3*<	19.9
265A Wheelock	KKEE	CP_ZCX TX		276.4 95.9	90.29 BNPH20110622AAD	30 48 05.0 96 27 58.0	3.700 129	83.2 231	27.9 Pyeatt, Katherine	-4.2<	24.0
267A Midway	1450704	RSV-A TX		324.4 144.3	47.39	31 03 42.0 95 49 06.0	6.000 100	2.8 175	29.2 Katherine Pyeatt	32.5	17.2
267A Midway	R14437	ADD TX		324.4 144.3	47.39	31 03 42.0 95 49 06.0	6.000 100	2.8 175	29.2 Katherine Pyeatt	32.5	17.2
267A Midway	1450041	APP_CX TX		324.4 144.2	47.40 BNPH20111013ACU	31 03 42.3 95 49 06.3	6.000 100	2.8 173	28.9 Katherine Pyeatt	32.5	17.5
263C3 Madisonville	KMVL-FM	LIC_NCN TX		317.5 137.3	59.77 BLH19970516KB	31 06 40.0 95 57 09.0	13.000 137	3.9 232	38.9 Leon Hunt	43.8	19.9
265D Bryan	K265DH	LIC_CN TX		265.0 84.6	77.90 BLFT19941005TN	30 39 07.0 96 20 17.0	0.250 51	33.5 140	10.0 Houston Christian Broadcas	33.4	30.4
262C Houston	KILT-FM	LIC_C TX		179.2 359.2	126.25 BMLH20060127AEX	29 34 34.0 95 30 36.0	100.000 585	13.5 605	91.3 Cbs Radio Texas Inc.	102.1	33.9
268D Livingston	1550434	APP_C TX		92.2 272.5	56.72 BNPFT20030314APU	30 41 38.0 94 56 12.0	0.250	1.1 124	12.3 Gerald R. Proctor	45.1	43.4
212D Goodrich	K212FV	LIC_C TX		99.1 279.4	56.68 BLFT20110914ABV	30 37 59.0 94 56 40.0	0.125 25	0.0 73	0.0 Pacifica Foundation, Inc.	10.0R	46.7M
212D Goodrich	K212FV	CP_C TX		101.3 281.6	57.42 BPFT20130501AAK	30 36 44.8 94 56 27.6	0.125	0.0 76	0.0 Pacifica Foundation, Inc.	10.0R	47.4M
267A Centerville	AL2147	VAC TX		317.4 137.1	79.18 RM11576	31 14 17.0 96 05 34.0	6.000 100	2.9 224	30.5 Katherine Pyeatt	64.2	47.7
267A Centerville	R14565	DEL TX		317.4 137.1	79.18	31 14 17.0 96 05 34.0	6.000 100	2.9 224	30.5 Katherine Pyeatt	64.2	47.7
267D Bryan	K265DH	APP_C TX		265.0 84.6	77.90 BPFT20120503AED	30 39 07.0 96 20 17.0	0.250	1.1 145	10.4 Houston Christian Broadcas	65.8	66.5
211C1 Houston	KPFT	LIC_CX TX		179.7 359.7	91.73 BLED20070209ABQ	29 53 15.0 95 31 22.0	100.000 205	0.0 232	0.0 Pacifica Foundation, Inc.	22.0R	69.7M

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference zone= West Zone, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
*"affixed to 'IN' or 'OUT' values = site inside protected contour.
< = Station meets FCC minimum distance spacing for its class.

PROPOSAL IS MX WITH ORIGINAL APPLICATION AS NOTED ABOVE - MINOR CHANGE AMENDMENT

TABLE II

LPFM MARKET TEST

HUNTSVILLE, TX CHANNEL 265

Reference Lat : 30-42-54.0
 Lon : 95-31-42.0

Search Radius: 100.00 Miles (160.9 KM)

Freeze Radius: 47.80 Miles (76.9 KM)

MARKET NO	DISTANCE MILES/KM	BEARING DEGREES	CITY	STATE
*****	*****	*****	*****	*****
6	66.3/106.7	171.4	# Houston, Galveston 29-45-47.0 / 95-21-47.0	TX
141	95.6/153.8	116.7	& Beaumont, Port Arthur 30-05- 9.0 / 94-06- 6.0	TX

indicates Spectrum Limited LPFM Market
 & indicates Spectrum Available LPFM Market
 \ indicates 20 Min Grid

* In order for a grid test showing to be triggered the distance from the transmitter site (reference coordinates shown above) to the market center must fall below a minimum spacing of 47.8 mile/76.9 kilometers.

LPFM PRECLUSION STUDY MAP
HUNTSVILLE TX CHANNEL 265
TABLE II MAP

