

FMCommander Contour-to-Contour - HAAT Method= 4 ©V-Soft Communications®								
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IX Issue: Mexico NGDC 30 SEC DATA: 10-09-15 - Zone 2								
N. Lat. 28 26 17.1 94.3 M COR Contours are detailed Port O'connor TX M khpo.215.vsf W. Lng. 96 26 54.6 35.0 kW N CH 220. 91.9 C2 B 94.0 M HAAT Job: 10-09-15								
Call	Type	Ch	Location		Azi	Dist	In	Out
KPAL	LIC	217A	Palacios	TX	45.1	42.70	0.3	28.2
VA8855	VAC	220A	Gonzales	TX	320.7	153.41	22.7	1.5
KHPO	LIC	220C3	Port O'connor	TX	0.0	0.00	144.0	154.5
K220HF	LIC	220D	Port Lavaca	NCE TX	312.2	30.92	-33.6*	-97.1*
KROI^	LIC	221C1	Seabrook	Commercial TX	50.7	151.94	5.4	15.5 S.Spaced
KQVT«	LIC-Z	222A	Victoria	TX	305.1	64.08	54.5R	9.6M
KKHA«	LIC-N	223C3	Markham	TX	31.8	56.94	55.5R	1.4M
KMKS«	LIC-N	273C1	Bay City	TX	35.6	49.01	26.5R	22.5M

End of Screen List

The Mexican border is approximately 282 km away. However, KHPO has already been coordinated as a **Class C2 (B) facility** via BPED-20081031ABL.

KHPO will accept a conditional grant.

NCE TO NCE OVERLAP EVALUATION

This is an FM Overlap study which indicates no contour overlap will be created or received to any full service FM on Ch. 217-220.

The asterisk indicates (-97.1*) that the site of co-channel translator **K220HF** is located within KHPO's 60 dBu.

By definition interference will result.

KHPO will be contacting FM translator K220HF to inform them that their **co-channel** facility needs to change channels.

NCE TO COMMERCIAL EVALUATION

For Commercial stations, the **R** is require separation, the **M** is margin of clearance.

This study indicates that **only one short spacing is created** to any full service **Commercial** FM on Ch. 221-223 (including I.F.). As a C2 facility KHPO will be **short spaced by 5.6 km** to KROI on Ch. 221C1 at Seabrook, TX.

As required by **Section 73.215**, no prohibited contour overlap is **cause or received**.

Because KHPO is not a maximum C2 facility, there is
a **5.4 km margin** before overlap is "**received by**" KHPO and
a **15.5 km margin** before overlap is "**caused to**" KROI.



FIGURE 2 - FM CHANNEL STUDY - OVERLAP & SPACING

35 kW from Existing Site

Application to increase ERP to 35 kW (Class C2)
KHPO - Ch. 220C2 Port O'Connor, TX - October 2015