

FMCommander Contour-to-Contour - HAAT Method= 4 ©V-Soft Communications®

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IX Issue! Mexico

HGDC 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
<del>KHPO</del>	<del>LIC</del>	<del>220C3</del>	<del>Port O'connor</del>	<del>TX</del>	<del>0.0</del>	<del>0.00</del>	<del>144.0</del>	<del>154.5</del>
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