

# Educational Media Foundation

Exhibit 18

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Corpus Christi, TX

## Channel Study

REFERENCE		CH# 204C2- 88.7 MHz, Pwr= 13.8 kW, HAAT= 263.9 M, COR= 277 M								DISPLAY DATES	
27 44 29.0 N.		Average Protected F(50-50)= 50.6 km								DATA 10-15-12	
97 36 09.0 W.		Omni-directional								SEARCH 10-15-12	
CH CITY	CALL	TYPE STATE	ANT TX	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (Overlap in km)
204C2	KKLM	LIC	CX	0.0	0.00	27 44 29.0	8.000	112.3	45.5	-162.8*	-168.5*
Corpus Christi			TX	0.0	BLEDD20081209AEO	97 36 09.0	264	277	Educational Media Foundati		
*201C2	KKWV	LIC	DVX	69.6	40.31	27 52 02.0	28.000	2.5	26.9	-12.8*	8.2
Aransas Pass			TX	249.8	BLEDD20081017AHC	97 13 07.0	112	118	Educational Media Foundati		
*202C3	KIFR	LIC	DVX	271.4	52.21	27 45 08.0	23.000	4.5	42.5	-2.5	4.5
Alice			TX	91.2	BLEDD20100428AFQ	98 07 55.0	89	183	Family Stations, Inc.		
204A	KVHI	CP	CX	189.0	137.45	26 30 58.0	2.000	53.1	13.9	33.7	0.2
Raymondville			TX	8.9	BMPED20120911ACC	97 49 09.0	40	49	Vision Hispana Incorporate		
258D	633134«	APP	C	126.8	19.35	27 38 13.0	0.250	9.2	43.1	14.5R	4.9M
Corpus Christi			TX	306.9	BNPFT20030312BGB	97 26 43.0	101	107	William C Doerner		
203A	NEW	CP	DCX	206.1	97.47	26 57 05.0	1.000	26.6	18.0	20.3	4.9
Encino			TX	25.9	BNPED20071018AUD	98 02 09.0	91	110	Maranatha Church Of Laredo		
203C2	KAYK	LIC	VX	25.1	127.19	28 46 43.0	50.000	67.0	42.3	9.5	10.2
Victoria			TX	205.4	BLEDD20040322AFS	97 02 51.0	86	109	American Family Associatio		
201A	KLBD	LIC	CX	225.7	71.82	27 17 20.0	0.100	0.7	8.7	20.6	57.8
Premont			TX	45.5	BLEDD20100222AAM	98 07 23.0	67	105	The Worship Center Of King		
204C	AL9232«	AL		237.1	298.67	26 15 30.0	100.000	212.4	92.0	269.5R	29.2M
Sabinas Hidalgo			NL	55.9		100 07 00.0	600	1203			
205B	R13791«	VAC		262.5	193.59	27 30 02.0	50.000	79.9	65.0	163.5R	30.1M
Nuevo Laredo			TA	81.6		99 32 56.0	150	288			
203A	NEW	CP	CX	172.9	128.44	26 35 27.6	1.000	14.2	10.2	63.6	43.6
Port Mansfield			TX	353.0	BNPED20071022ABA	97 26 34.0	-90	30	Iglesia Jesucristo Es Mi R		
203C2	NEW	CP	CX	285.1	174.75	28 08 20.0	50.000	79.2	53.2	45.3	47.5
Encinal			TX	104.3	BNPED20071019ABC	99 19 15.0	132	287	Christian Ministries Of Th		
204C	KUHF	LIC	C	44.8	289.41	29 34 27.0	100.000	192.8	88.4	45.7	77.3
Houston			TX	225.8	BLEDD19990810KA	95 29 37.0	524	544	University Of Houston Syst		
207A	KBTD	CP	VX	279.0	102.76	27 52 53.0	0.100	0.7	5.6	51.9	91.9
Freer			TX	98.5	BNPED20071022AXT	98 38 00.6	30	198	The Worship Center Of King		
204A	AL0649«	AL		185.5	236.98	25 37 10.0	3.000	76.3	24.0	177.5R	59.5M
Valle Hermoso			TA	5.4		97 49 42.0	100	114			
06 T	KFLZ-CA	AP	D N	339.3	230.76	29 41 06.0	3.000	67.4	55.7	123.1R	107.7M
San Antonio			TX	158.9	BDISDVA20110826ABF	98 26 59.0	215	481	B Communications Joint Ven		
06-T	KFLZ-CA	LI	N	335.2	208.10	29 26 29.0	0.500	44.9	18.0	62.9R	145.2M
San Antonio			TX	154.8	BLTVA20110926ADV	98 30 22.0	173	345	B Communications Joint Ven		

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= - Zone 2, Co to 3rd adjacent.  
All separation margins (if shown) include rounding  
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.

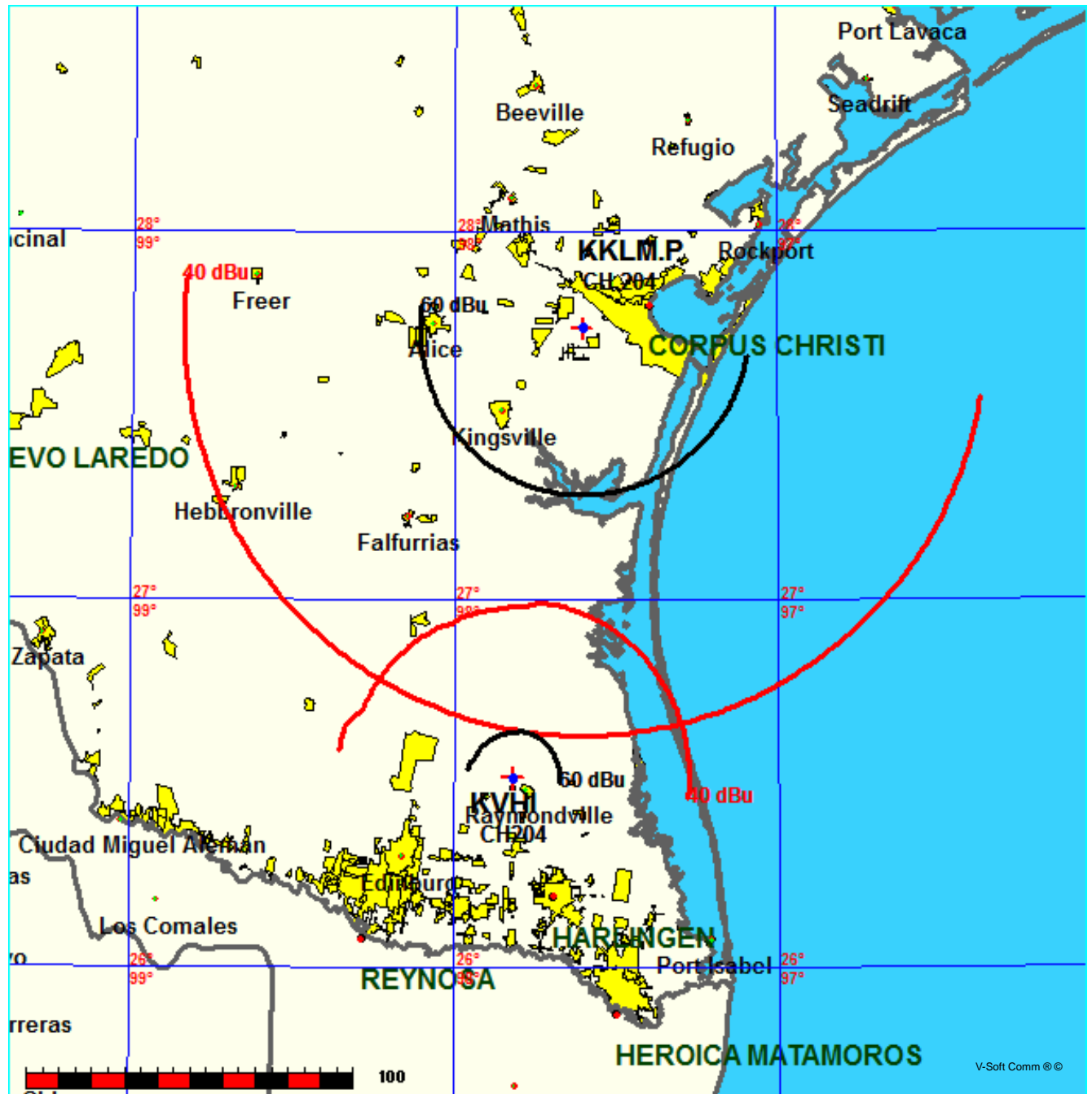
\* NOTE: Interference received is addressed in Exhibit 18-2

Exhibit 18-A

FMCommander Single Allocation Study - 09-27-2012 - NGDC 30 SEC  
KKLM.P's Overlaps (In= 33.67 km, Out= 0.18 km)

KKLM.P CH 204 C2  
Lat= 27 44 29.0, Lng= 97 36 09.0  
13.8 kW 264 M HAAT, 277 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

KVHI-C CH 204 A BMPED20120911ACC  
Lat= 26 30 58.0, Lng= 97 49 09.0  
2.0 kW 40 M HAAT, 49 M COR  
Prot.= 60 dBu, Intef.= 40 dBu



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## KKLM.P vs. KVHI

09-27-2012      Terrain Data: NGDC 30 SEC      FMOver Analysis

KVHI    BMPED20120626ACF

KKLM

Channel = 204A  
Max ERP = 2 kW  
RCAMSL = 49 M  
N. Lat. 26 30 58.0  
W. Lng. 97 49 09.0  
Protected  
60 dBu

Channel = 204C2  
Max ERP = 13.8 kW  
RCAMSL = 277 M  
N. Lat. 27 44 29.0  
W. Lng. 97 36 09.0  
Interfering  
40 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
321.0	002.0000	0037.0	013.2	193.3	013.8000	0265.9	129.0	38.85	
322.0	002.0000	0037.0	013.2	193.3	013.8000	0265.9	128.8	38.89	
323.0	002.0000	0037.0	013.2	193.2	013.8000	0265.9	128.7	38.93	
324.0	002.0000	0037.0	013.2	193.1	013.8000	0265.9	128.5	38.96	
325.0	002.0000	0037.0	013.2	193.1	013.8000	0266.0	128.3	39.00	
326.0	002.0000	0037.0	013.2	193.0	013.8000	0266.0	128.1	39.03	
327.0	002.0000	0037.0	013.2	192.9	013.8000	0266.0	128.0	39.06	
328.0	002.0000	0037.0	013.2	192.9	013.8000	0266.0	127.8	39.10	
329.0	002.0000	0037.0	013.2	192.8	013.8000	0266.0	127.6	39.13	
330.0	002.0000	0037.0	013.2	192.7	013.8000	0266.0	127.5	39.16	
331.0	002.0000	0037.0	013.2	192.6	013.8000	0266.0	127.3	39.19	
332.0	002.0000	0037.0	013.2	192.6	013.8000	0266.0	127.2	39.22	
333.0	002.0000	0036.9	013.1	192.5	013.8000	0266.0	127.0	39.25	
334.0	002.0000	0036.8	013.1	192.4	013.8000	0266.0	126.9	39.28	
335.0	002.0000	0036.6	013.1	192.3	013.8000	0266.1	126.8	39.30	
336.0	002.0000	0036.5	013.1	192.2	013.8000	0266.1	126.7	39.32	
337.0	002.0000	0036.3	013.0	192.1	013.8000	0266.1	126.6	39.35	
338.0	002.0000	0036.3	013.0	192.0	013.8000	0266.1	126.5	39.37	
339.0	002.0000	0036.4	013.1	191.9	013.8000	0266.1	126.3	39.40	
340.0	002.0000	0036.8	013.1	191.9	013.8000	0266.1	126.1	39.44	
341.0	002.0000	0037.1	013.2	191.8	013.8000	0266.1	126.0	39.47	
342.0	002.0000	0037.2	013.2	191.7	013.8000	0266.1	125.8	39.50	
343.0	002.0000	0037.3	013.2	191.6	013.8000	0266.1	125.7	39.52	
344.0	002.0000	0037.3	013.2	191.5	013.8000	0266.1	125.6	39.55	
345.0	002.0000	0037.4	013.2	191.4	013.8000	0266.1	125.5	39.57	
346.0	002.0000	0037.4	013.2	191.3	013.8000	0266.1	125.4	39.59	
347.0	002.0000	0037.4	013.2	191.3	013.8000	0266.1	125.3	39.61	
348.0	002.0000	0037.5	013.2	191.2	013.8000	0266.1	125.2	39.63	
349.0	002.0000	0037.5	013.3	191.1	013.8000	0266.1	125.1	39.65	
350.0	002.0000	0037.6	013.3	191.0	013.8000	0266.1	125.0	39.67	
351.0	002.0000	0037.6	013.3	190.9	013.8000	0266.1	124.9	39.69	
352.0	002.0000	0037.6	013.3	190.8	013.8000	0266.1	124.8	39.70	
353.0	002.0000	0037.6	013.3	190.7	013.8000	0266.1	124.8	39.72	
354.0	002.0000	0037.6	013.3	190.6	013.8000	0266.1	124.7	39.74	
355.0	002.0000	0037.7	013.3	190.5	013.8000	0266.1	124.6	39.75	
356.0	002.0000	0037.8	013.3	190.4	013.8000	0266.1	124.5	39.77	
357.0	002.0000	0037.9	013.3	190.3	013.8000	0266.1	124.5	39.78	
358.0	002.0000	0038.0	013.3	190.2	013.8000	0266.1	124.4	39.79	
359.0	002.0000	0038.1	013.3	190.1	013.8000	0266.1	124.3	39.81	
000.0	002.0000	0038.2	013.4	189.9	013.8000	0266.1	124.3	39.82	
001.0	002.0000	0038.3	013.4	189.8	013.8000	0266.1	124.2	39.83	
002.0	002.0000	0038.4	013.4	189.7	013.8000	0266.1	124.2	39.84	
003.0	002.0000	0038.5	013.4	189.6	013.8000	0266.1	124.1	39.85	

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004.0	002.0000	0038.6	013.4	189.5	013.8000	0266.1	124.1	39.86
005.0	002.0000	0038.9	013.5	189.4	013.8000	0266.1	124.0	39.87
006.0	002.0000	0039.6	013.6	189.3	013.8000	0266.1	123.9	39.90
007.0	002.0000	0040.3	013.7	189.2	013.8000	0266.1	123.7	39.93
008.0	002.0000	0040.9	013.8	189.1	013.8000	0266.1	123.6	39.95
009.0	002.0000	0041.2	013.9	189.0	013.8000	0266.1	123.6	39.96
010.0	002.0000	0041.4	013.9	188.9	013.8000	0266.1	123.5	39.97
011.0	002.0000	0041.5	013.9	188.8	013.8000	0266.1	123.5	39.97
012.0	002.0000	0041.7	014.0	188.6	013.8000	0266.1	123.5	39.97
013.0	002.0000	0041.8	014.0	188.5	013.8000	0266.1	123.5	39.98
014.0	002.0000	0042.0	014.0	188.4	013.8000	0266.1	123.5	39.98
015.0	002.0000	0042.1	014.0	188.3	013.8000	0266.1	123.5	39.98
016.0	002.0000	0042.1	014.0	188.2	013.8000	0266.1	123.5	39.97
017.0	002.0000	0042.1	014.0	188.1	013.8000	0266.2	123.6	39.96
018.0	002.0000	0042.1	014.0	188.0	013.8000	0266.2	123.6	39.95
019.0	002.0000	0042.1	014.0	187.9	013.8000	0266.2	123.7	39.94
020.0	002.0000	0042.1	014.0	187.7	013.8000	0266.2	123.7	39.93
021.0	002.0000	0042.1	014.0	187.6	013.8000	0266.2	123.8	39.92
022.0	002.0000	0042.2	014.0	187.5	013.8000	0266.2	123.8	39.91
023.0	002.0000	0042.3	014.1	187.4	013.8000	0266.2	123.9	39.90
024.0	002.0000	0042.4	014.1	187.3	013.8000	0266.2	123.9	39.89
025.0	002.0000	0042.5	014.1	187.2	013.8000	0266.2	124.0	39.88
026.0	002.0000	0042.5	014.1	187.1	013.8000	0266.2	124.0	39.87
027.0	002.0000	0042.5	014.1	187.0	013.8000	0266.2	124.1	39.85
028.0	002.0000	0042.6	014.1	186.9	013.8000	0266.2	124.2	39.83
029.0	002.0000	0042.7	014.1	186.8	013.8000	0266.2	124.3	39.82
030.0	002.0000	0042.8	014.1	186.6	013.8000	0266.2	124.4	39.80
031.0	002.0000	0042.9	014.2	186.5	013.8000	0266.2	124.4	39.79
032.0	002.0000	0042.9	014.2	186.4	013.8000	0266.2	124.5	39.77
033.0	002.0000	0043.0	014.2	186.3	013.8000	0266.2	124.6	39.75
034.0	002.0000	0043.0	014.2	186.2	013.8000	0266.2	124.7	39.72
035.0	002.0000	0043.0	014.2	186.1	013.8000	0266.2	124.9	39.70
036.0	002.0000	0043.0	014.2	186.0	013.8000	0266.2	125.0	39.67
037.0	002.0000	0043.0	014.2	185.9	013.8000	0266.2	125.1	39.65
038.0	002.0000	0043.0	014.2	185.8	013.8000	0266.2	125.2	39.62
039.0	002.0000	0043.0	014.2	185.7	013.8000	0266.2	125.4	39.59
040.0	002.0000	0043.0	014.2	185.6	013.8000	0266.1	125.5	39.57
041.0	002.0000	0043.0	014.2	185.6	013.8000	0266.1	125.7	39.54
042.0	002.0000	0043.0	014.2	185.5	013.8000	0266.1	125.8	39.51
043.0	002.0000	0043.0	014.2	185.4	013.8000	0266.1	125.9	39.48
044.0	002.0000	0043.0	014.2	185.3	013.8000	0266.1	126.1	39.44
045.0	002.0000	0043.0	014.2	185.2	013.8000	0266.1	126.3	39.41
046.0	002.0000	0043.0	014.2	185.1	013.8000	0266.1	126.4	39.38
047.0	002.0000	0043.0	014.2	185.0	013.8000	0266.1	126.6	39.35
048.0	002.0000	0043.0	014.2	184.9	013.8000	0266.1	126.7	39.31
049.0	002.0000	0043.0	014.2	184.9	013.8000	0266.0	126.9	39.28
050.0	002.0000	0043.0	014.2	184.8	013.8000	0266.0	127.1	39.24
051.0	002.0000	0043.0	014.2	184.7	013.8000	0266.0	127.3	39.21
052.0	002.0000	0043.0	014.2	184.6	013.8000	0266.0	127.4	39.17
053.0	002.0000	0043.0	014.2	184.6	013.8000	0266.0	127.6	39.13
054.0	002.0000	0043.0	014.2	184.5	013.8000	0266.0	127.8	39.09
055.0	002.0000	0043.0	014.2	184.4	013.8000	0266.0	128.0	39.06
056.0	002.0000	0043.0	014.2	184.3	013.8000	0266.0	128.2	39.02
057.0	002.0000	0043.0	014.2	184.3	013.8000	0266.0	128.4	38.98
058.0	002.0000	0043.0	014.2	184.2	013.8000	0266.0	128.6	38.94
059.0	002.0000	0043.0	014.2	184.1	013.8000	0266.0	128.8	38.90
060.0	002.0000	0043.0	014.2	184.1	013.8000	0266.0	129.0	38.86

Exhibit 18-B

FMCommander Single Allocation Study - 09-27-2012 - NGDC 30 SEC  
KKLM.P's Overlaps (In= 20.3 km, Out= 4.87 km)

KKLM.P CH 204 C2  
Lat= 27 44 29.0, Lng= 97 36 09.0  
13.8 kW 264 M HAAT, 277 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

NEW-C CH 203 A DA BNPED20071018AUD  
Lat= 26 57 05.0, Lng= 98 02 09.0  
1.0 kW 91 M HAAT, 110 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

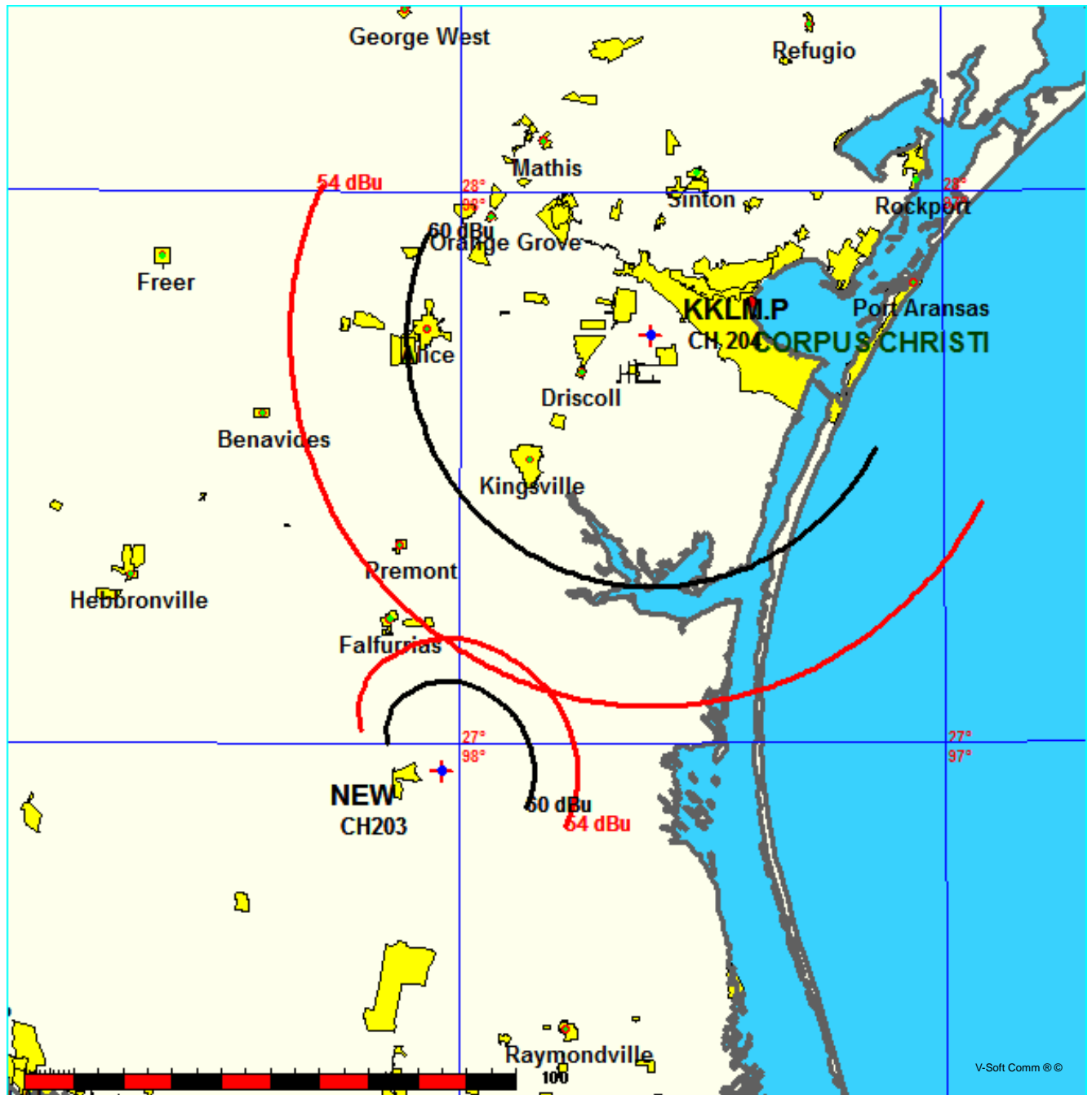


Exhibit 18-C

FMCommander Single Allocation Study - 09-27-2012 - NGDC 30 SEC  
KKLM.P's Overlaps (In= 9.49 km, Out= 10.25 km)

KKLM.P CH 204 C2

Lat= 27 44 29.0, Lng= 97 36 09.0

13.8 kW 264 M HAAT, 277 M COR

Prot.= 60 dBu, Intef.= 54 dBu

KAYK CH 203 C2 BLED20040322AFS

Lat= 28 46 43.0, Lng= 97 02 51.0

50.0 kW 86 M HAAT, 109 M COR

Prot.= 60 dBu, Intef.= 54 dBu

