

Channel Study

REFERENCE		CH# 251D - 98.1 MHz, Pwr= 0.1 kW, HAAT=155.2M, COR= 157 M						DISPLAY DATES		
30 06 35.0 N.		Average Protected F(50-50)= 12.8 km						DATA 02-27-07		
94 01 42.0 W.								SEARCH 02-27-07		
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
253C Port Arthur	KTJM	LIC C TX	262.4 82.2	48.50 BMLH20050429ADO	30 03 05.0 94 31 37.0	100.000 599	13.7 609	91.8 Liberman Broadcasting Of H	22.11	-43.98*
253C Port Arthur	KTJM	CP CX TX	258.4 78.2	51.00 BPH20040427ABJ	30 01 01.0 94 32 47.0	100.000 599	13.7 611	91.8 Liberman Broadcasting Of H	24.61	-41.50*
251D Beaumont	K251AL	CP C TX	290.9 110.8	19.32 BMPFT20061129AKD	30 10 17.0 94 12 57.0	0.075 178	42.3 181	12.8 Educational Media Foundati	-35.79	-36.01
248C Beaumont	KFNC	LIC C TX	218.3 38.1	58.23 BLH20011212AAV	29 41 52.0 94 24 09.0	100.000 598	13.7 598	91.7 Cmp Kc Licensing, Llc	31.75	-34.21*
248C Mont Belvieu	KFNC	CP CX TX	218.3 38.1	58.23 BPH20060419ABC	29 41 52.0 94 24 09.0	100.000 598	13.7 598	91.7 Cmp Kc Licensing, Llc	31.75	-34.21*
250C2 De Ridder	KQLK	LIC C LA	53.7 234.1	95.44 BLH20010212AAA	30 36 57.0 93 13 31.0	50.000 159	79.5 185	53.4 Cumulus Licensing Llc	3.21	23.04
250C Houston	KBXX	LIC CY TX	247.8 67.1	154.92 BLH19831026AD	29 34 34.0 95 30 36.0	100.000 590	136.1 605	91.4 Radio One Licenses, Llc	6.13	44.54
251A Groveton	KKUL-FM	CP ZCX TX	320.2 139.8	141.91 BNPH20050103AAW	31 05 18.0 94 58 56.0	6.000 105	87.4 177	28.9 Matinee Radio, Llc	41.61	70.18
251D Jasper	K251AM	CP C TX	2.0 182.0	97.40 BNPFT20030812ABO	30 59 16.2 93 59 35.0	0.100 102	35.4 169	10.4 Gerald R. Proctor	49.29	44.49
252D Lake Charles	W252AQ	LIC DHN LA	82.7 263.1	78.48 BLFT19930629TE	30 11 50.0 93 13 12.0	0.203 132	21.1 132	14.0 Family Stations, Inc.	44.52	45.27

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

""affixed to 'IN' or 'Out' values = site inside protected contour.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KTJM, channel 253C, Port Arthur, TX. The predicted F(50-50) field strength of KTJM at the proposed translator site is 78.2 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 118.2 dBu. This interfering contour extends approximately 86.1 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 155 meter level on a 174 meter tower).

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KTJM.C, channel 253C, Port Arthur, TX. The predicted F(50-50) field strength of KTJM.C at the proposed translator site is 77.1 dBu, (see Exhibit 12A-2). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 117.1 dBu. This interfering contour extends approximately 97.7 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 155 meter level on a 174 meter tower).

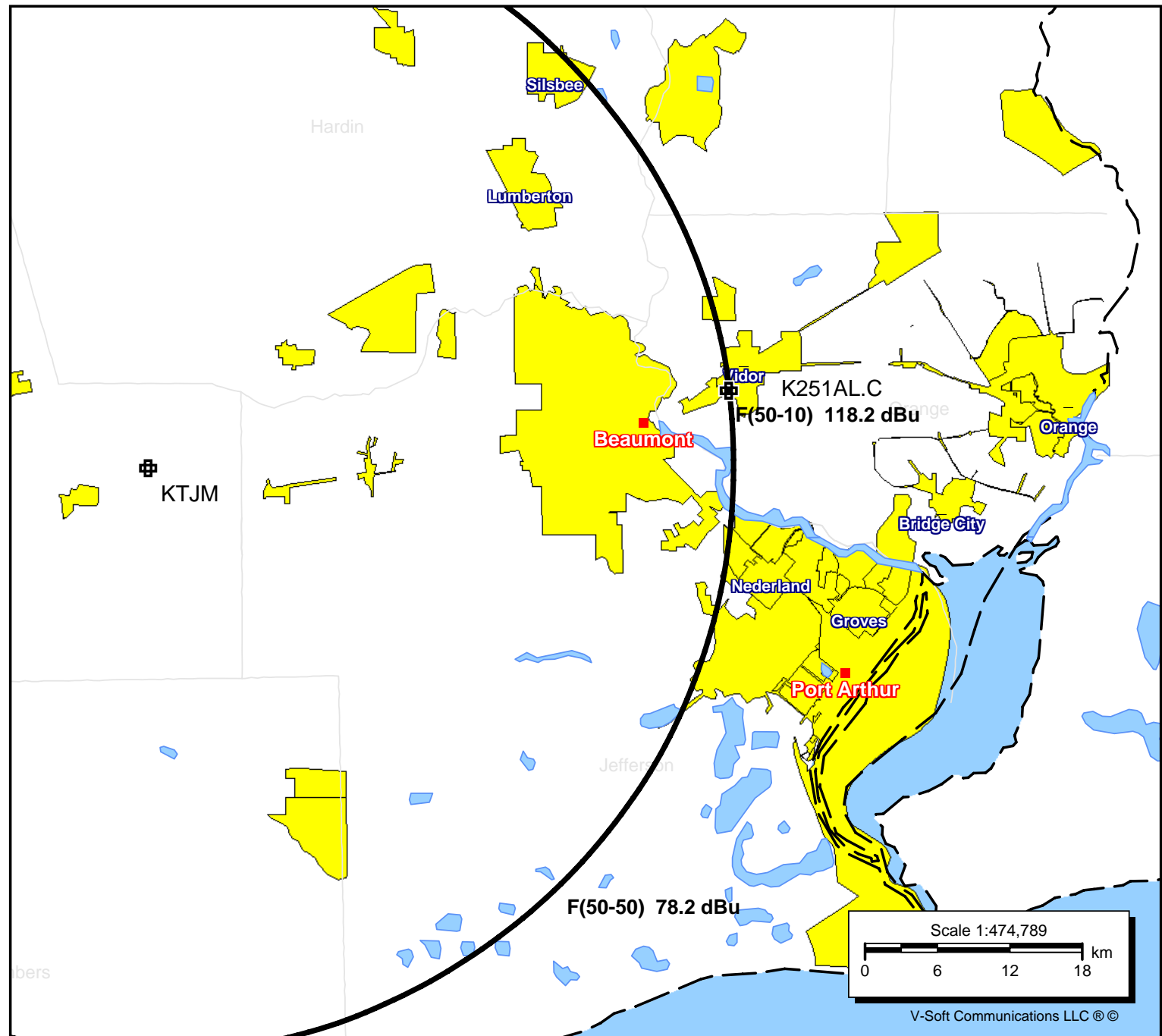
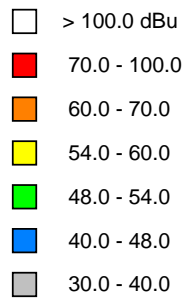
To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12C) and aerial photo (see Exhibit 12D), both indicating a lack of structures tall enough to enter the 86.1 meter and 97.7 meter interference apertures.

In an abundance of caution, and to further confirm the absence of population within the interference aperture, Educational Media Foundation (EMF) has included an additional study in this exhibit (see Exhibit 12E). This study shows a scale drawing of the one and two story houses adjacent to the proposed site, EMF's site dimensions, and the contour of predicted interference.

Therefore, EMF respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.

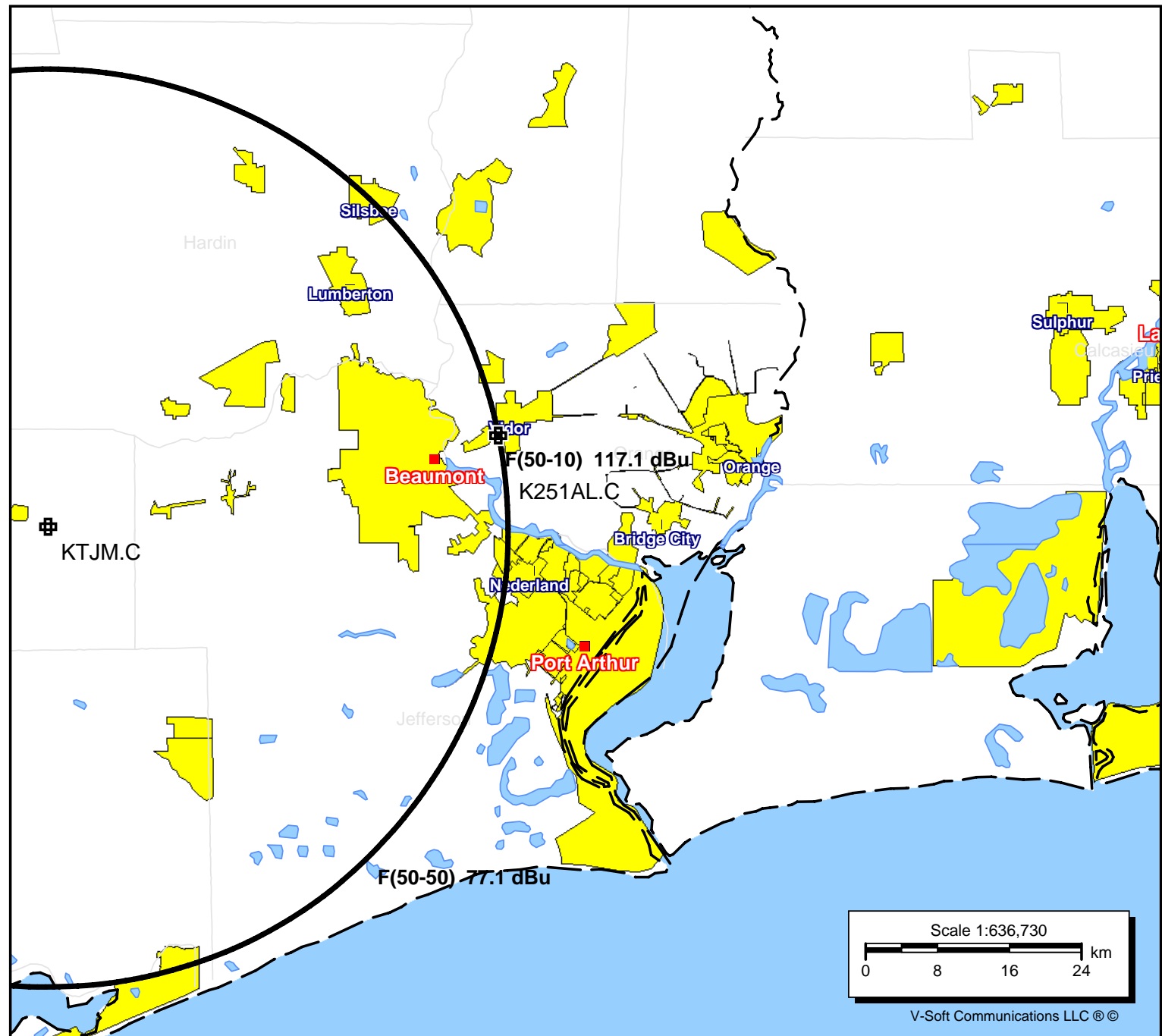
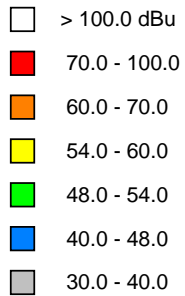
K251AL.C

Latitude: 30-06-35 N
Longitude: 094-01-42 W
ERP: 0.10 kW
Channel: 251
Frequency: 98.1 MHz



K251AL.C

Latitude: 30-06-35 N
Longitude: 094-01-42 W
ERP: 0.10 kW
Channel: 251
Frequency: 98.1 MHz



Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station KFNC, channel 248C, Beaumont, TX. The predicted F(50-50) field strength of KFNC at the proposed translator site is 73.9 dBu, (see Exhibit 12B-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 113.9 dBu. This interfering contour extends approximately 141.3 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 155 meter level on a 174 meter tower).

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station KFNC.C, channel 248C, Mont Belvieu, TX. The predicted F(50-50) field strength of KFNC.C at the proposed translator site is 73.9 dBu, (see Exhibit 12B-2). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 113.9 dBu. This interfering contour extends approximately 141.3 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 155 meter level on a 174 meter tower).

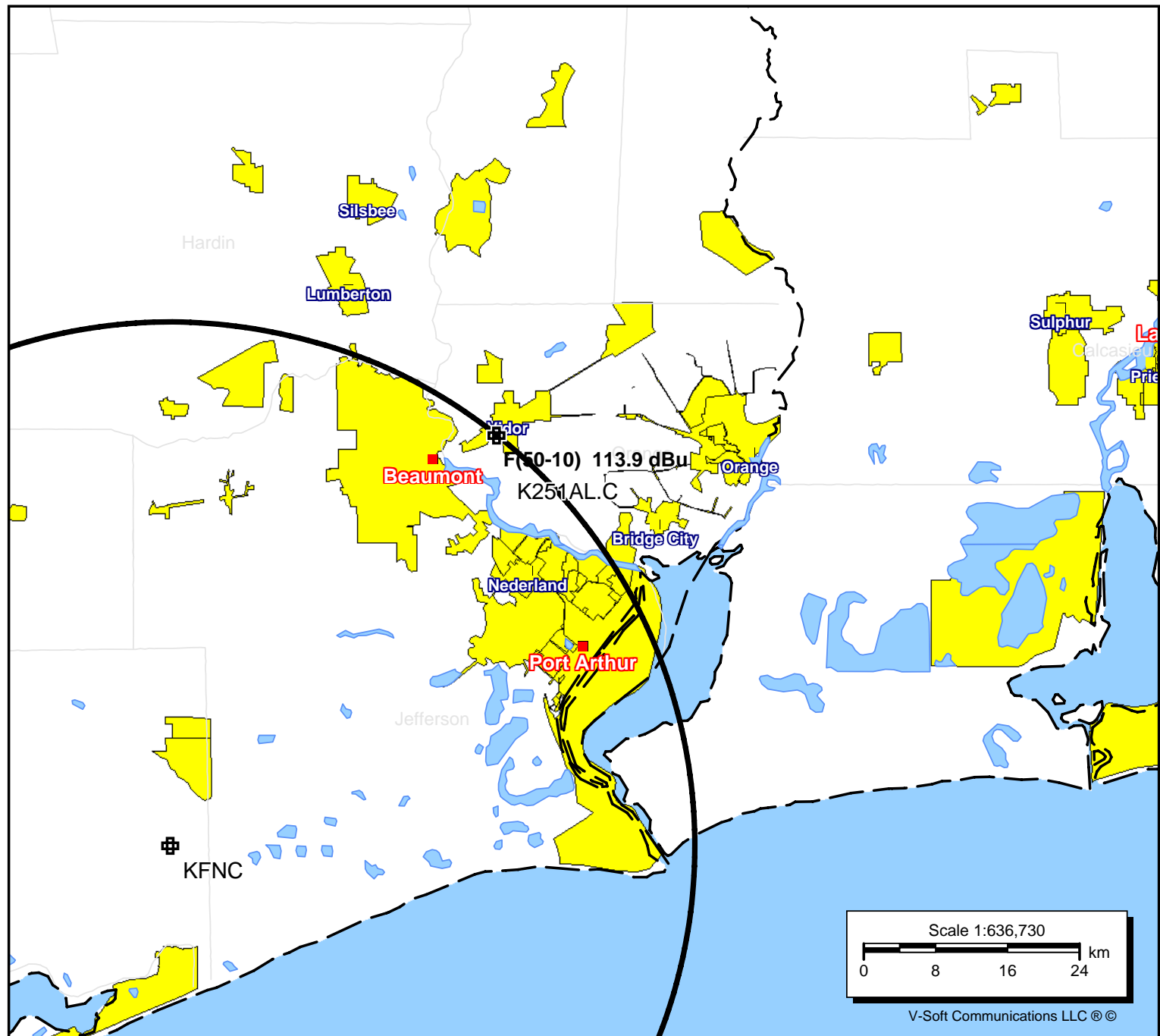
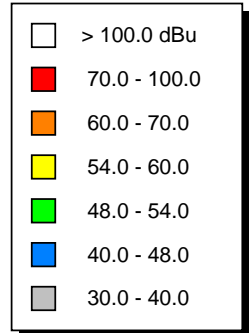
To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12C) and aerial photo (see Exhibit 12D), both indicating a lack of structures which could be tall enough to enter either of the 141.3 meter interference apertures.

In an abundance of caution, and to further confirm the absence of population within the interference aperture, Educational Media Foundation (EMF) has included an additional study in this exhibit (see Exhibit 12E). This study shows a scale drawing of the one and two story houses adjacent to the proposed site, EMF's site dimensions, and the contour of predicted interference.

Therefore, EMF respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.

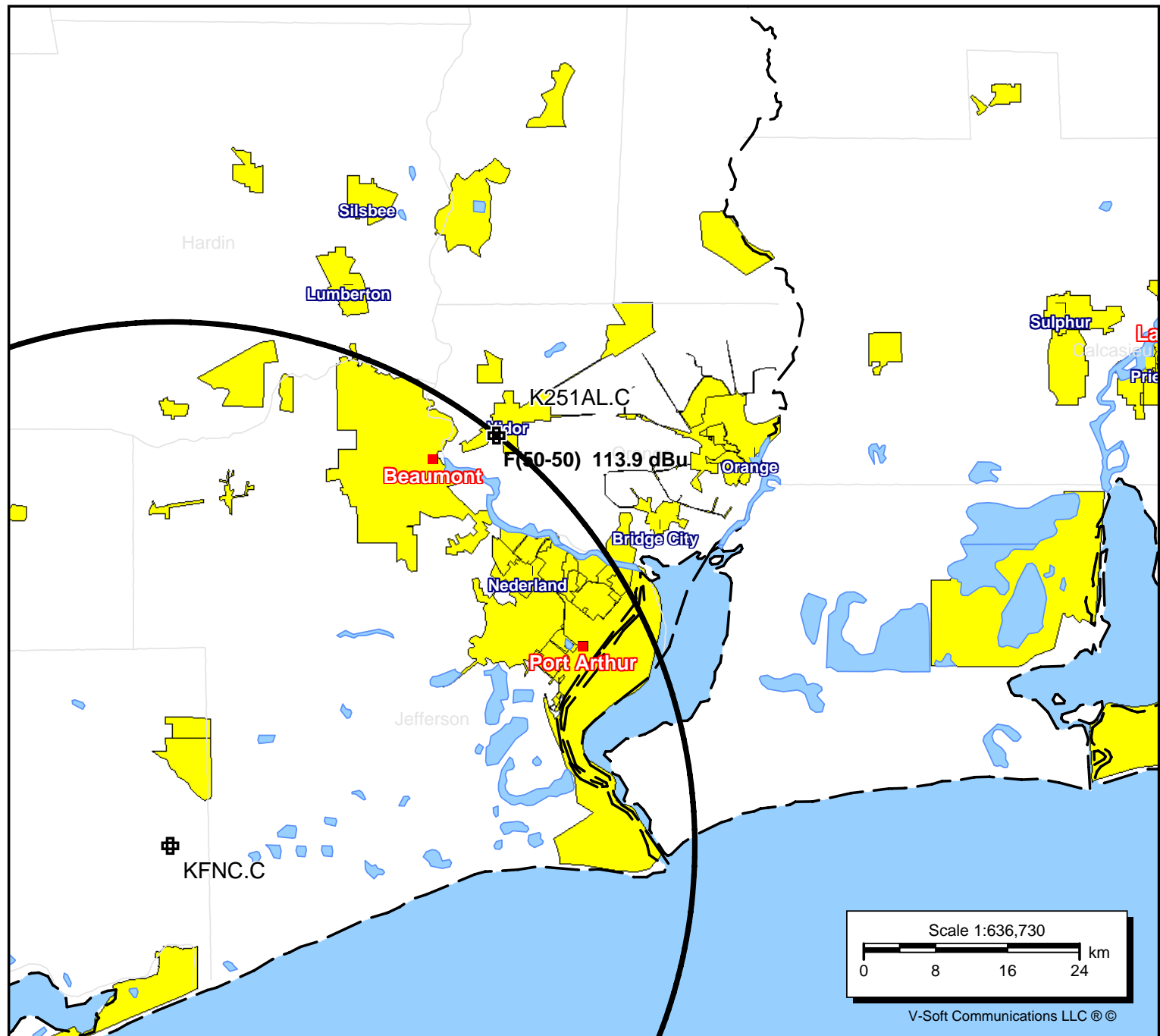
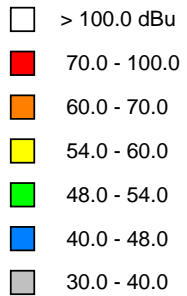
K251AL.C

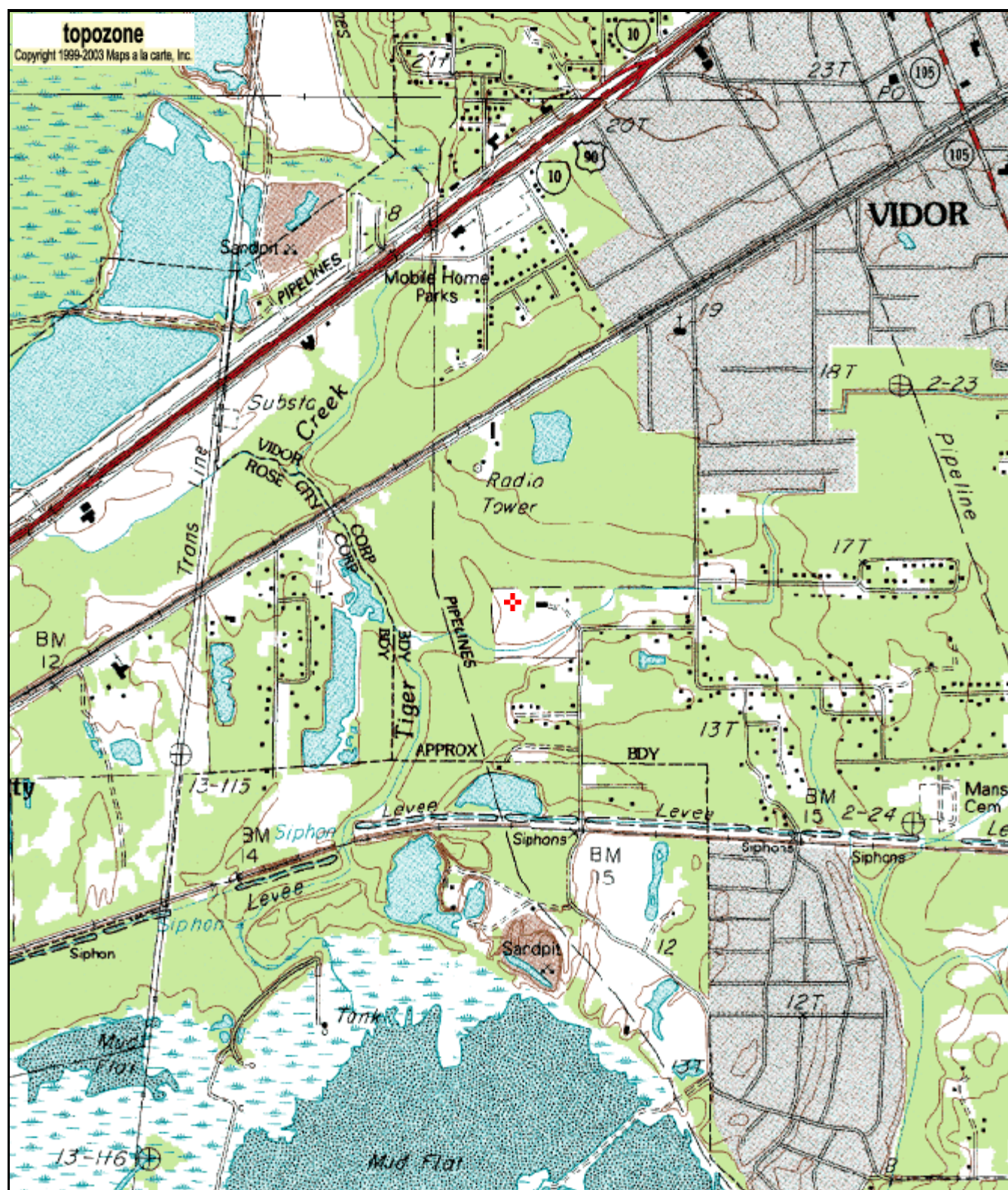
Latitude: 30-06-35 N
Longitude: 094-01-42 W
ERP: 0.10 kW
Channel: 251
Frequency: 98.1 MHz



K251AL.C

Latitude: 30-06-35 N
Longitude: 094-01-42 W
ERP: 0.10 kW
Channel: 251
Frequency: 98.1 MHz



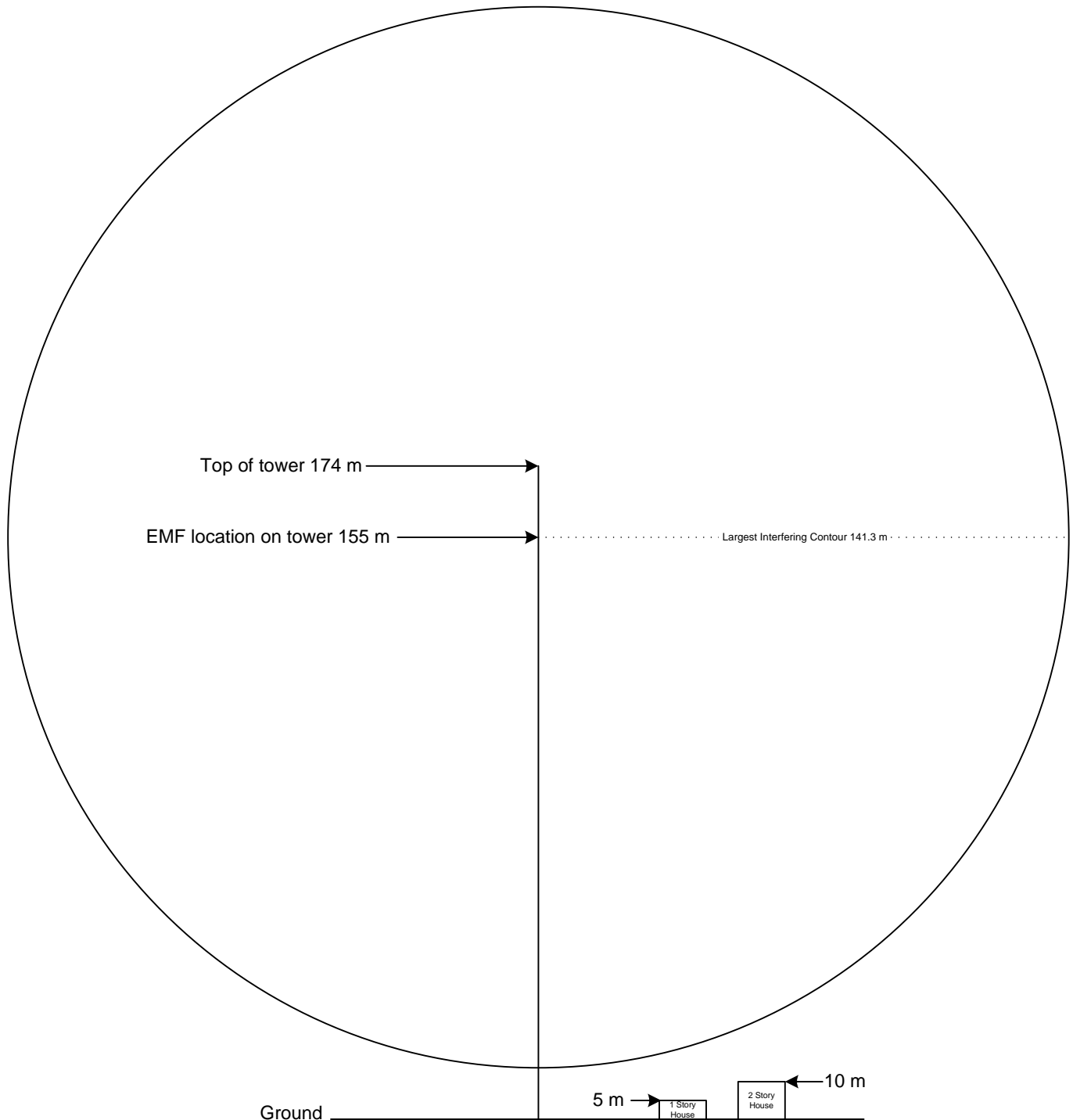


0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi

30° 06' 35"N, 94° 01' 42"W (NAD27)
Elevation 5.8 ft / 1.8 m (USGS NED)
USGS Beaumont East (TX) Quadrangle
Projection is UTM Zone 15 NAD83 Datum

M
G
M=3.214
G=-0.516





1 inch = 40 meters