ASR Registration Search

Registration 1003604

Map Registration

Exhibit 12.1 - Copy of Existing Antenna Structure Registration

Registration Detail

Reg Number	1003604	Status	Constructed
File Number	A0601298	Constructed	06/23/1996
FAA Study	2003-ASO-3905-OE	EMI	No
FAA Issue Date	08/28/2003	NEPA	No

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Communications Purposes

Location (in NAD83 Coordinates)

Lat/Long	27-41-38.3 N 082-24-50.2 W	1507 SE 21st Ave (002585 / Ruskin)
City, State	RUSKIN , FL	
Center of AM Array		

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
8.2	124.3
Overall Height Above Mean Sea Level	**Overall Height Above Ground w/o Appurtenances**
132.5	121.9

Painting and Lighting Specifications

FAA Chapters 4, 8, 12
Paint and Light in Accordance with FAA Circular Number 70/7460-1K

Owner & Contact Information

FRN 0011498342 Licensee ID L00008376

Owner

American Towers, Inc.
Attention To: FAA/FCC Compliance Team
1898 Leland Drive
Marietta , GA 30067

P: (678)265-6770
E:

Contact

Team , Compliance
1898 Leland Drive
Marietta , GA 30067

P: (678)265-6770
E:

Last Action Status

Status	Constructed	Received	08/04/2008
Purpose	Admin Update	Entered	08/04/2008
Mode	Interactive		

Related Applications

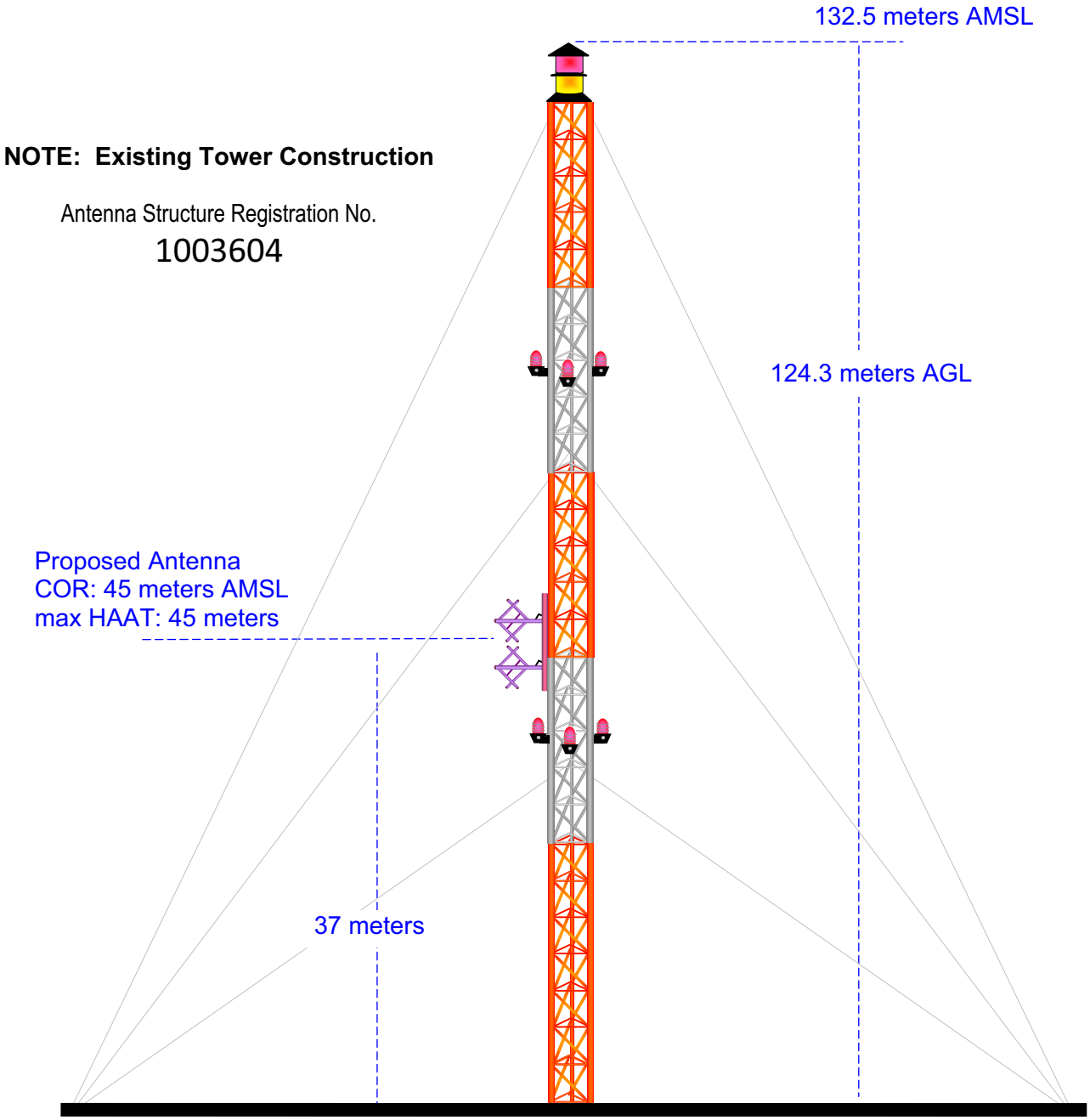
08/04/2008	A0601298 - Admin Update (AU)
05/11/2006	A0503111 - Admin Update (AU)
05/10/2006	A0502049 - Admin Update (AU)
	Related applications (20)

Comments

MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339

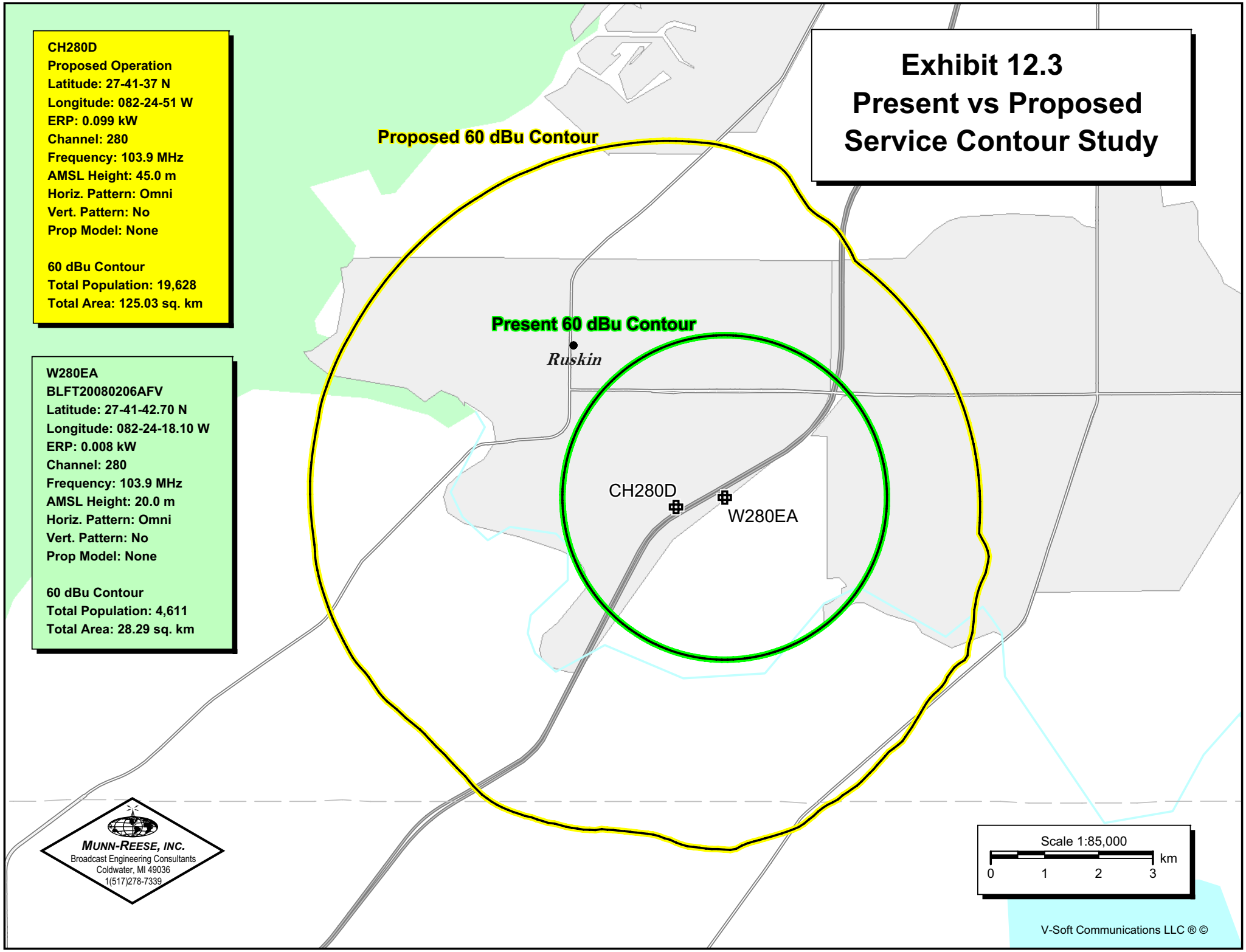
Exhibit 12.2
Vertical Plan of Antenna System

The site is located at 1507 SE 21st Avenue, the city of Ruskin, Hilsborough County, Florida.	Site Location (NAD 27) NL: 27° 41' 37" WL: 82° 24' 51"



Ground Elevation = 8.2 m AMSL
Drawing is not to Scale

MUNN–REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036


CH280D
Proposed Operation
Latitude: 27-41-37 N
Longitude: 082-24-51 W
ERP: 0.099 kW
Channel: 280
Frequency: 103.9 MHz
AMSL Height: 45.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None
60 dBu Contour
Total Population: 19,628
Total Area: 125.03 sq. km
W280EA
BLFT20080206AFV
Latitude: 27-41-42.70 N
Longitude: 082-24-18.10 W
ERP: 0.008 kW
Channel: 280
Frequency: 103.9 MHz
AMSL Height: 20.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None
60 dBu Contour
Total Population: 4,611
Total Area: 28.29 sq. km
Exhibit 12.3
Present vs Proposed
Service Contour Study
Proposed 60 dBu Contour
Present 60 dBu Contour
Ruskin
CH280D
W280EA
MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339
Scale 1:85,000
km
0
1
2
3
V-Soft Communications LLC ® ©

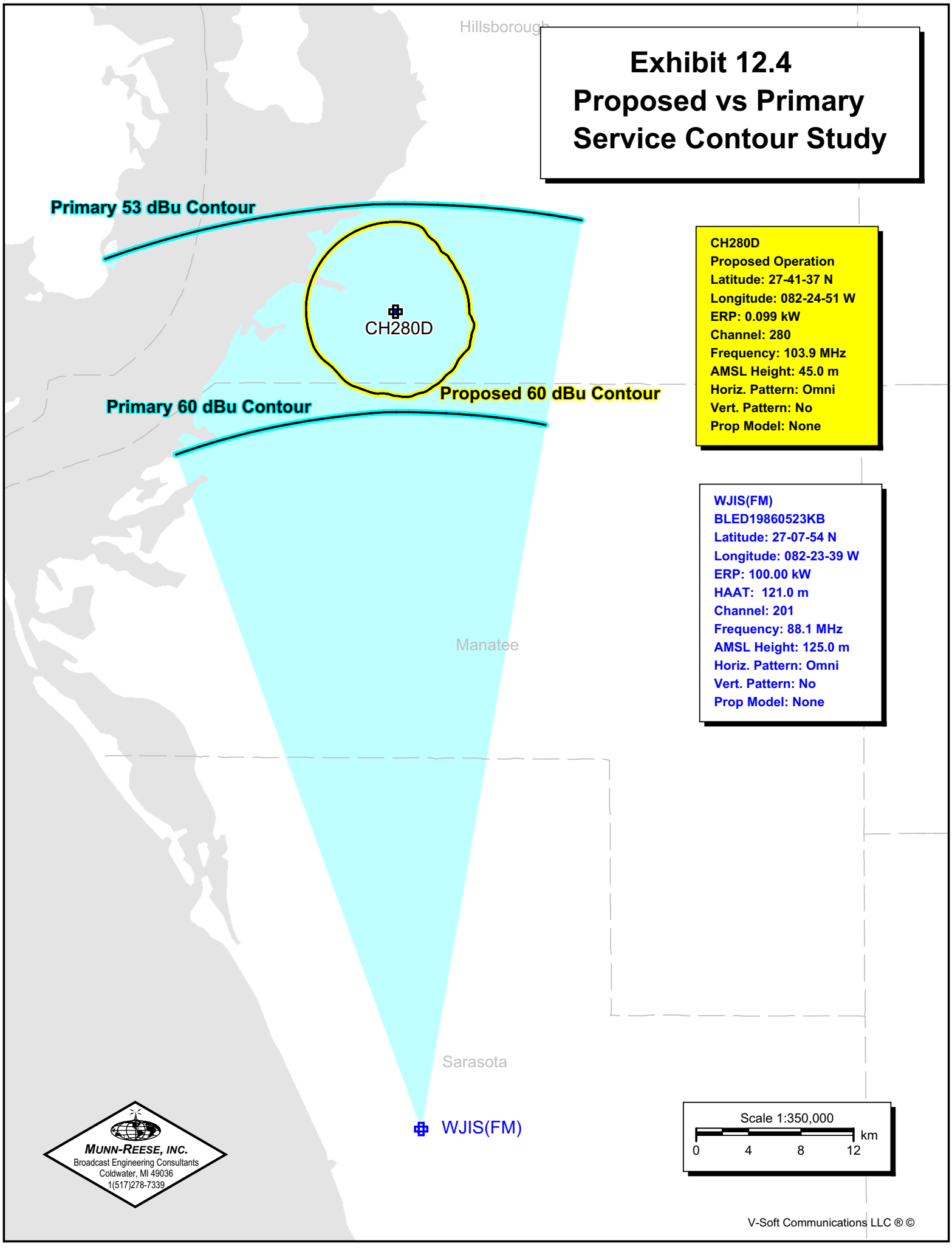

Hillsborough
Exhibit 12.4
Proposed vs Primary
Service Contour Study
Primary 53 dBu Contour
CH280D
Proposed 60 dBu Contour
Primary 60 dBu Contour
CH280D
Proposed Operation
Latitude: 27-41-37 N
Longitude: 082-24-51 W
ERP: 0.099 kW
Channel: 280
Frequency: 103.9 MHz
AMSL Height: 45.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None
WJIS(FM)
BLED19860523KB
Latitude: 27-07-54 N
Longitude: 082-23-39 W
ERP: 100.00 kW
HAAT: 121.0 m
Channel: 201
Frequency: 88.1 MHz
AMSL Height: 125.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None
Manatee
Sarasota
WJIS(FM)
Scale 1:350,000
km
0
4
8
12
MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339
V-Soft Communications LLC ® ©

Exhibit 12.5
Tabulation of Proposed Allocation

Tabulations of contours will be supplied upon request.

Radio Training Network, Inc.

REFERENCE CH# 280D - 103.9 MHz, Pwr= 0.099 kW, HAAT= 37.6 M, COR= 45 M DISPLAY DATES
27 41 37.0 N. Average Protected F(50-50)= 6.24 km DATA 08-09-08
82 24 51.0 W. Omni-directional SEARCH 08-13-08

CH CALL / CITY	TYPE ANT / STATE	AZI / <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* (Overlap in km)	*OUT*
278C0 WFUS Gulfport	LIC _C_ FL	42.0 222.1	22.24 BLH20070523ACZ	27 50 32.0 82 15 45.0	100.000 414	11.7 434	80.9 Citicasters Licenses, L.p.	4.87	-59.34*<
280C WXKB Cape Coral	LIC NC_ FL	151.0 331.4	160.86 BLH20000928ABN	26 25 22.0 81 37 49.0	100.000 341	176.4 343	75.1 Wxkb License Limited Partn	-21.71*<	65.14
280D W280EA Ruskin	LIC _C_ FL	78.9 258.9	0.92 BLFT20080206AFV	27 41 42.7 82 24 18.1	0.008	9.6 20	3.0 Radio Training Network, In	-14.31*<	-20.58*<
280D W280DW Brandon	LIC _C_ FL	25.4 205.5	29.79 BLFT20060616AAD	27 56 10.0 82 17 01.0	0.099	20.2 44	6.1 Northwestern College	3.58	3.79
281D 633647 St. Petersburg	APP _C_ FL	313.0 132.9	28.21 BNPFT20030314CDV	27 51 59.9 82 37 26.6	0.010	11.5 197	8.1 Northwestern College	9.86	10.28
282A WKZM Sarasota	LIC _CN FL	188.2 8.1	46.86 BLED20010226AAC	27 16 30.0 82 28 54.0	6.000 81	2.4 74	23.6 The Moody Bible Institute	38.44	22.55
282D 639250 Tampa	APP _C_ FL	0.2 180.2	33.21 BNPFT20030317BBK	27 59 36.0 82 24 47.0	0.055	0.5 68	7.2 Radio Training Network, In	25.93	25.31
281C WTKS-FM Cocoa Beach	LIC _C_ FL	52.8 233.4	164.20 BMLH20031010ADD	28 34 51.0 81 04 32.0	100.000 487	127.6 500	85.6 Clear Channel Broadcasting	31.00	70.60
282D 644421 Clearwater	APP _C_ FL	309.3 129.1	47.83 BNPFT20030317CZQ	27 57 56.2 82 47 28.3	0.055	0.5 56	6.4 Edgewater Broadcasting, In	40.51	40.69
282D 639300 Palm Harbor	APP _C_ FL	321.3 141.1	51.07 BNPFT20030317BBO	28 03 07.0 82 44 25.0	0.027	0.4 95	7.0 Radio Training Network, In	43.90	43.34
282D 644434 Holiday	APP _C_ FL	328.1 148.0	64.20 BNPFT20030317DAA	28 11 04.0 82 45 38.6	0.010	0.2 446	12.1 Edgewater Broadcasting, In	57.19	51.44
283D W283AM Arcadia	LIC _C_ FL	132.5 312.8	74.16 BLFT20070228AAK	27 14 29.0 81 51 40.0	0.027	0.4 106	6.9 Reach Communications, Inc.	67.84	66.53
277D 631382 Port Charlotte	APP _C_ FL	159.3 339.4	82.89 BNPFT20030314BQV	26 59 39.0 82 07 01.0	0.075	0.6 34	5.2 Citicasters Licenses, L.p.	75.95	76.96
277D 629831 Punta Gorda Beach	APP _C_ FL	173.4 353.4	88.78 BNPFT20030312AUD	26 53 52.0 82 18 38.0	0.080	0.6 43	6.2 Calvary Chapel Church, Inc	81.78	81.93

Terrain database is USGS 03 SEC Distance + R = 73.215 or FCC Spacings in KM, Distance + M = Margin in KM
Contour distances are on direct line to and from reference station. Reference zone = 2. With 3rd Adj Channels.
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.

Denotes a second adjacent channel given interference waiver request toward WFUS(FM) - CH278CØ Gulfport, FL, as included in ***Exhibit 12.7***. Full protection will be afforded WFUS(FM) as the calculated interference area has been shown to be void of housing, buildings and major roads (as defined in red).

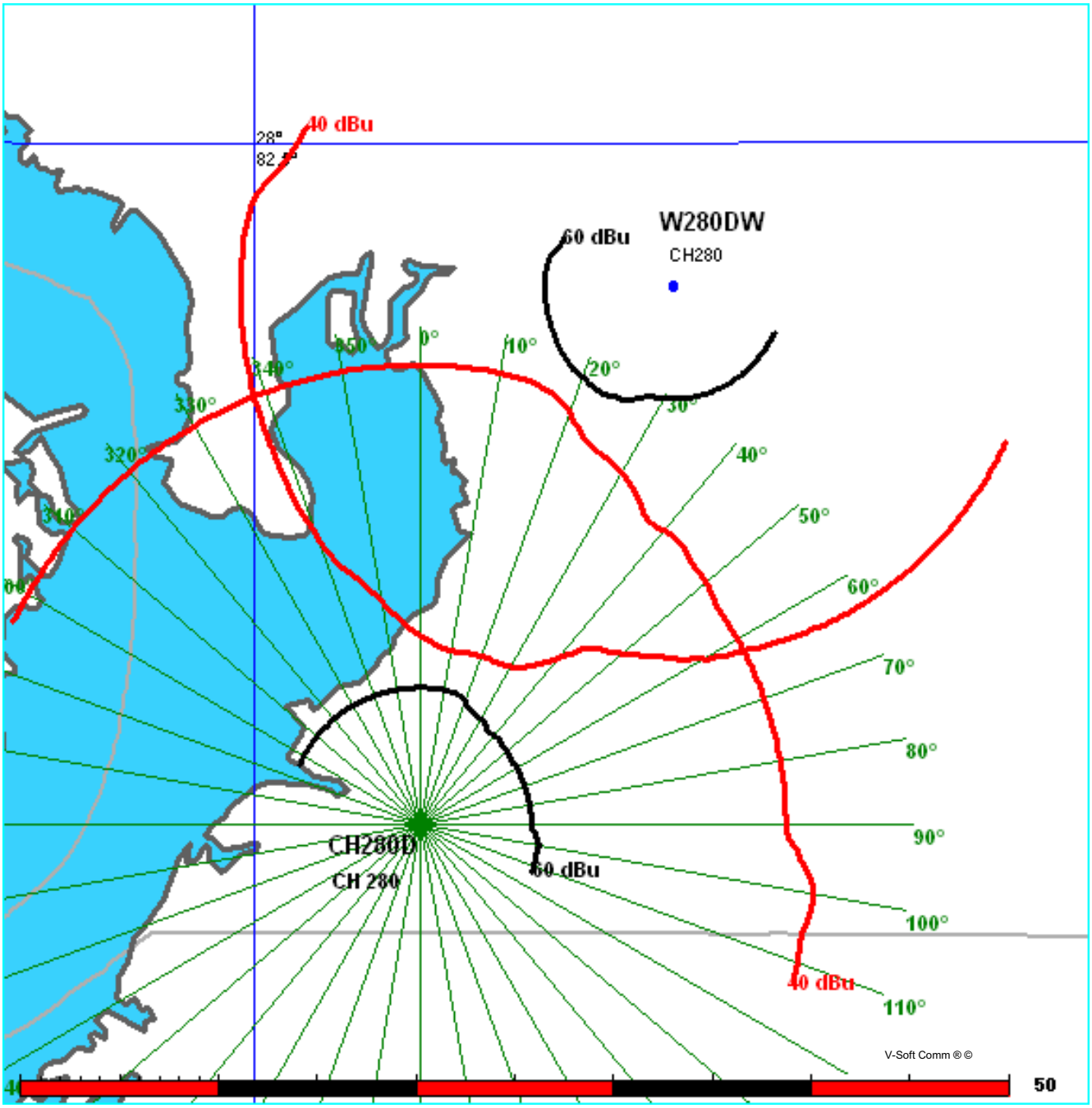
Radio Training Network, Inc.

Exhibit 12.6 - Contour Protection Studies Toward Select Station(s)

FMCommander Single Allocation Study
08-14-2008

CH280D CH 280 D
0.099 kW 45 M COR
Prot. = 60 dBu
Intef. = 40 dBu

W280DW CH 280 D BLFT20060616AAD
0.099 kW, 44 M COR
Prot. = 60 dBu
Intef. = 40 dBu



Munn-Reese, Inc.
Broadcast Engineering Consultants
Coldwater, MI 49036

Tabulations of contours will be supplied upon request.

Exhibit 12.6
Contour Protection Studies Toward Select Station(s)

08-14-2008 USGS 03 SEC Terrain Data FMOver Analysis

CH280D
Channel = 280D
Max ERP = 0.099 kW
RCAMSL = 45 M
N. Lat. 27 41 37.0
W. Lng. 82 24 51.0
Protected
60 dBu

W280DW BLFT20060616AAD
Channel = 280D
Max ERP = 0.099 kW
RCAMSL = 44 M
N. Lat. 27 56 10.0
W. Lng. 82 17 01.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
340.0	000.0990	0044.4	006.8	216.4	000.0990	0037.9	025.5	36.63
341.0	000.0990	0044.4	006.8	216.3	000.0990	0037.9	025.4	36.69
342.0	000.0990	0044.4	006.8	216.1	000.0990	0037.8	025.3	36.75
343.0	000.0990	0044.4	006.8	216.0	000.0990	0037.8	025.2	36.81
344.0	000.0990	0044.4	006.8	215.8	000.0990	0037.8	025.1	36.87
345.0	000.0990	0044.4	006.8	215.6	000.0990	0037.8	025.0	36.93
346.0	000.0990	0044.4	006.8	215.4	000.0990	0037.8	024.9	36.99
347.0	000.0990	0044.4	006.8	215.3	000.0990	0037.7	024.9	37.04
348.0	000.0990	0044.3	006.8	215.1	000.0990	0037.7	024.8	37.10
349.0	000.0990	0044.3	006.8	214.9	000.0990	0037.7	024.7	37.15
350.0	000.0990	0044.3	006.8	214.7	000.0990	0037.7	024.6	37.21
351.0	000.0990	0044.3	006.8	214.5	000.0990	0037.7	024.5	37.26
352.0	000.0990	0044.3	006.8	214.3	000.0990	0037.6	024.4	37.31
353.0	000.0990	0044.3	006.8	214.1	000.0990	0037.6	024.4	37.36
354.0	000.0990	0044.3	006.8	213.9	000.0990	0037.6	024.3	37.41
355.0	000.0990	0044.3	006.8	213.7	000.0990	0037.6	024.2	37.45
356.0	000.0990	0044.2	006.8	213.4	000.0990	0037.5	024.1	37.49
357.0	000.0990	0044.2	006.8	213.2	000.0990	0037.4	024.1	37.52
358.0	000.0990	0044.2	006.8	213.0	000.0990	0037.3	024.0	37.55
359.0	000.0990	0044.2	006.8	212.7	000.0990	0037.3	023.9	37.59
000.0	000.0990	0044.2	006.8	212.5	000.0990	0037.2	023.9	37.62
001.0	000.0990	0044.1	006.8	212.3	000.0990	0037.2	023.8	37.64
002.0	000.0990	0044.1	006.8	212.0	000.0990	0037.1	023.7	37.67
003.0	000.0990	0044.0	006.8	211.8	000.0990	0037.0	023.7	37.69
004.0	000.0990	0044.0	006.8	211.5	000.0990	0037.0	023.6	37.72
005.0	000.0990	0044.0	006.8	211.2	000.0990	0036.9	023.6	37.75
006.0	000.0990	0043.9	006.7	211.0	000.0990	0036.9	023.5	37.77
007.0	000.0990	0043.8	006.7	210.7	000.0990	0036.8	023.5	37.78
008.0	000.0990	0043.7	006.7	210.4	000.0990	0036.7	023.5	37.78
009.0	000.0990	0043.5	006.7	210.2	000.0990	0036.6	023.4	37.79
010.0	000.0990	0043.3	006.7	209.9	000.0990	0036.6	023.4	37.79
011.0	000.0990	0043.0	006.7	209.6	000.0990	0036.5	023.4	37.79
012.0	000.0990	0042.8	006.7	209.3	000.0990	0036.4	023.4	37.78
013.0	000.0990	0042.6	006.6	209.0	000.0990	0036.3	023.4	37.78
014.0	000.0990	0042.5	006.6	208.7	000.0990	0036.2	023.3	37.76
015.0	000.0990	0042.4	006.6	208.5	000.0990	0036.0	023.3	37.74
016.0	000.0990	0042.1	006.6	208.2	000.0990	0035.9	023.3	37.71

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
017.0	000.0990	0041.7	006.6	207.9	000.0990	0035.7	023.3	37.67
018.0	000.0990	0041.0	006.5	207.6	000.0990	0035.6	023.4	37.62
019.0	000.0990	0040.1	006.4	207.3	000.0990	0035.5	023.4	37.56
020.0	000.0990	0039.0	006.4	207.0	000.0990	0035.5	023.5	37.50
021.0	000.0990	0037.9	006.3	206.7	000.0990	0035.5	023.6	37.45
022.0	000.0990	0036.9	006.2	206.4	000.0990	0035.6	023.6	37.41
023.0	000.0990	0036.0	006.1	206.1	000.0990	0035.6	023.7	37.37
024.0	000.0990	0035.2	006.0	205.9	000.0990	0035.6	023.8	37.32
025.0	000.0990	0034.8	006.0	205.6	000.0990	0035.6	023.8	37.29
026.0	000.0990	0034.5	006.0	205.4	000.0990	0035.5	023.8	37.27
027.0	000.0990	0034.4	006.0	205.1	000.0990	0035.5	023.8	37.26
028.0	000.0990	0034.3	006.0	204.9	000.0990	0035.4	023.8	37.23
029.0	000.0990	0034.1	006.0	204.6	000.0990	0035.3	023.9	37.19
030.0	000.0990	0033.8	005.9	204.4	000.0990	0035.3	023.9	37.15
031.0	000.0990	0033.2	005.9	204.2	000.0990	0035.2	023.9	37.10
032.0	000.0990	0032.6	005.8	203.9	000.0990	0035.2	024.0	37.04
033.0	000.0990	0032.0	005.8	203.7	000.0990	0035.1	024.1	36.98
034.0	000.0990	0031.5	005.7	203.5	000.0990	0035.0	024.1	36.92
035.0	000.0990	0030.8	005.7	203.3	000.0990	0034.9	024.2	36.85
036.0	000.0990	0030.1	005.6	203.1	000.0990	0034.9	024.3	36.78
037.0	000.0990	0029.5	005.6	202.9	000.0990	0034.8	024.3	36.73
038.0	000.0990	0029.2	005.6	202.6	000.0990	0034.7	024.3	36.70
039.0	000.0990	0028.9	005.6	202.4	000.0990	0034.6	024.4	36.66
040.0	000.0990	0028.9	005.6	202.2	000.0990	0034.5	024.4	36.61
041.0	000.0990	0029.1	005.6	202.0	000.0990	0034.4	024.4	36.56
042.0	000.0990	0029.3	005.6	201.8	000.0990	0034.2	024.5	36.51
043.0	000.0990	0029.5	005.6	201.6	000.0990	0034.1	024.5	36.45
044.0	000.0990	0029.6	005.6	201.3	000.0990	0034.0	024.5	36.40
045.0	000.0990	0029.1	005.6	201.1	000.0990	0033.8	024.6	36.34
046.0	000.0990	0028.7	005.6	200.9	000.0990	0033.6	024.6	36.25
047.0	000.0990	0028.5	005.6	200.7	000.0990	0033.3	024.6	36.16
048.0	000.0990	0028.3	005.6	200.5	000.0990	0033.1	024.7	36.07
049.0	000.0990	0028.1	005.6	200.3	000.0990	0032.8	024.7	35.98
050.0	000.0990	0028.0	005.6	200.1	000.0990	0032.6	024.8	35.89
051.0	000.0990	0027.9	005.6	199.9	000.0990	0032.4	024.8	35.81
052.0	000.0990	0027.7	005.6	199.7	000.0990	0032.2	024.9	35.74
053.0	000.0990	0027.3	005.6	199.5	000.0990	0032.1	024.9	35.67
054.0	000.0990	0027.0	005.6	199.4	000.0990	0032.0	025.0	35.60
055.0	000.0990	0026.7	005.6	199.2	000.0990	0031.8	025.0	35.54
056.0	000.0990	0026.4	005.6	199.0	000.0990	0031.7	025.1	35.47
057.0	000.0990	0026.1	005.6	198.8	000.0990	0031.6	025.2	35.40
058.0	000.0990	0025.9	005.6	198.6	000.0990	0031.5	025.2	35.33
059.0	000.0990	0025.9	005.6	198.5	000.0990	0031.4	025.3	35.26
060.0	000.0990	0025.8	005.6	198.3	000.0990	0031.2	025.4	35.18
061.0	000.0990	0025.6	005.6	198.1	000.0990	0031.0	025.4	35.09
062.0	000.0990	0025.6	005.6	198.0	000.0990	0030.9	025.5	35.00
063.0	000.0990	0025.7	005.6	197.8	000.0990	0030.7	025.6	34.91
064.0	000.0990	0025.8	005.6	197.7	000.0990	0030.5	025.6	34.83
065.0	000.0990	0025.9	005.6	197.5	000.0990	0030.4	025.7	34.75
066.0	000.0990	0025.7	005.6	197.4	000.0990	0030.3	025.8	34.68
067.0	000.0990	0025.1	005.6	197.2	000.0990	0030.2	025.8	34.61

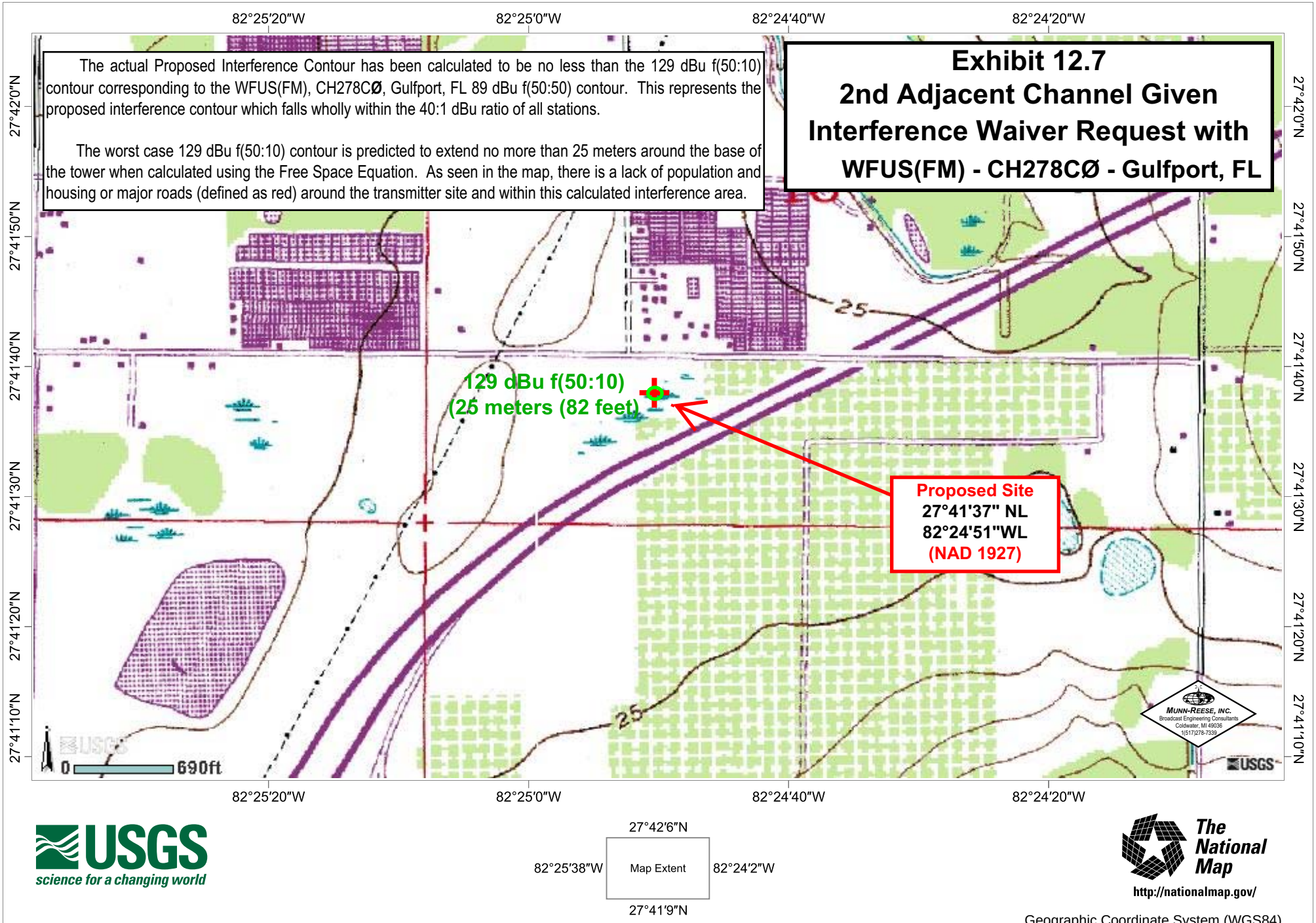
08-14-2008 USGS 03 SEC Terrain Data

W280DW BLFT20060616AAD
Channel = 280D
Max ERP = 0.099 kW
RCAMSL = 44 M
N. Lat. 27 56 10.0
W. Lng. 82 17 01.0
Protected
60 dBu

CH280D
Channel = 280D
Max ERP = 0.099 kW
RCAMSL = 45 M
N. Lat. 27 41 37.0
W. Lng. 82 24 51.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
160.0	000.0990	0024.4	005.6	034.2	000.0990	0031.3	026.2	34.68
161.0	000.0990	0024.0	005.6	034.1	000.0990	0031.4	026.1	34.75
162.0	000.0990	0023.9	005.6	034.0	000.0990	0031.5	026.0	34.81
163.0	000.0990	0023.9	005.6	033.8	000.0990	0031.6	025.9	34.88
164.0	000.0990	0023.8	005.6	033.7	000.0990	0031.6	025.9	34.95
165.0	000.0990	0024.2	005.6	033.6	000.0990	0031.7	025.8	35.01
166.0	000.0990	0024.9	005.6	033.4	000.0990	0031.8	025.7	35.07
167.0	000.0990	0026.1	005.6	033.3	000.0990	0031.8	025.6	35.14
168.0	000.0990	0026.1	005.6	033.1	000.0990	0031.9	025.6	35.21
169.0	000.0990	0026.5	005.6	033.0	000.0990	0032.0	025.5	35.28
170.0	000.0990	0026.9	005.6	032.8	000.0990	0032.1	025.4	35.35
171.0	000.0990	0026.7	005.6	032.6	000.0990	0032.2	025.4	35.42
172.0	000.0990	0026.7	005.6	032.5	000.0990	0032.3	025.3	35.48
173.0	000.0990	0026.6	005.6	032.3	000.0990	0032.4	025.2	35.54
174.0	000.0990	0026.8	005.6	032.1	000.0990	0032.5	025.2	35.61
175.0	000.0990	0027.1	005.6	032.0	000.0990	0032.6	025.1	35.68
176.0	000.0990	0027.0	005.6	031.8	000.0990	0032.8	025.1	35.75
177.0	000.0990	0027.0	005.6	031.6	000.0990	0032.9	025.0	35.82
178.0	000.0990	0027.1	005.6	031.4	000.0990	0033.0	024.9	35.88
179.0	000.0990	0027.2	005.6	031.2	000.0990	0033.1	024.9	35.94
180.0	000.0990	0027.1	005.6	031.0	000.0990	0033.2	024.8	36.00
181.0	000.0990	0027.0	005.6	030.8	000.0990	0033.3	024.8	36.06
182.0	000.0990	0027.0	005.6	030.6	000.0990	0033.5	024.7	36.12
183.0	000.0990	0026.8	005.6	030.4	000.0990	0033.6	024.7	36.18
184.0	000.0990	0026.6	005.6	030.2	000.0990	0033.7	024.7	36.23
185.0	000.0990	0026.5	005.6	030.0	000.0990	0033.7	024.6	36.28
186.0	000.0990	0026.4	005.6	029.8	000.0990	0033.8	024.6	36.33
187.0	000.0990	0026.6	005.6	029.6	000.0990	0033.9	024.5	36.38
188.0	000.0990	0026.8	005.6	029.4	000.0990	0034.0	024.5	36.42
189.0	000.0990	0026.9	005.6	029.2	000.0990	0034.0	024.5	36.46
190.0	000.0990	0027.1	005.6	029.0	000.0990	0034.1	024.4	36.49
191.0	000.0990	0027.2	005.6	028.8	000.0990	0034.1	024.4	36.53
192.0	000.0990	0027.3	005.6	028.5	000.0990	0034.2	024.4	36.56
193.0	000.0990	0027.9	005.6	028.3	000.0990	0034.3	024.3	36.60

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
194.0	000.0990	0028.3	005.6	028.1	000.0990	0034.3	024.3	36.63
195.0	000.0990	0028.7	005.6	027.9	000.0990	0034.4	024.3	36.65
196.0	000.0990	0029.2	005.6	027.6	000.0990	0034.4	024.3	36.68
197.0	000.0990	0030.0	005.6	027.4	000.0990	0034.4	024.2	36.70
198.0	000.0990	0030.9	005.7	027.2	000.0990	0034.4	024.2	36.76
199.0	000.0990	0031.7	005.8	027.0	000.0990	0034.4	024.1	36.82
200.0	000.0990	0032.5	005.8	026.8	000.0990	0034.4	024.0	36.87
201.0	000.0990	0033.7	005.9	026.6	000.0990	0034.4	023.9	36.94
202.0	000.0990	0034.4	006.0	026.3	000.0990	0034.5	023.8	37.00
203.0	000.0990	0034.8	006.0	026.1	000.0990	0034.5	023.8	37.05
204.0	000.0990	0035.2	006.0	025.8	000.0990	0034.5	023.8	37.07
205.0	000.0990	0035.5	006.1	025.6	000.0990	0034.6	023.7	37.10
206.0	000.0990	0035.6	006.1	025.3	000.0990	0034.6	023.7	37.12
207.0	000.0990	0035.5	006.1	025.1	000.0990	0034.7	023.7	37.14
208.0	000.0990	0035.8	006.1	024.8	000.0990	0034.8	023.7	37.18
209.0	000.0990	0036.3	006.1	024.6	000.0990	0034.9	023.7	37.22
210.0	000.0990	0036.6	006.2	024.3	000.0990	0035.0	023.7	37.25
211.0	000.0990	0036.9	006.2	024.0	000.0990	0035.2	023.6	37.30
212.0	000.0990	0037.1	006.2	023.8	000.0990	0035.4	023.6	37.35
213.0	000.0990	0037.3	006.2	023.5	000.0990	0035.6	023.6	37.40
214.0	000.0990	0037.6	006.2	023.2	000.0990	0035.8	023.6	37.45
215.0	000.0990	0037.7	006.3	023.0	000.0990	0036.0	023.6	37.49
216.0	000.0990	0037.8	006.3	022.7	000.0990	0036.2	023.7	37.54
217.0	000.0990	0038.0	006.3	022.5	000.0990	0036.5	023.7	37.58
218.0	000.0990	0038.1	006.3	022.2	000.0990	0036.7	023.7	37.62
219.0	000.0990	0038.0	006.3	021.9	000.0990	0037.0	023.7	37.65
220.0	000.0990	0038.1	006.3	021.7	000.0990	0037.2	023.8	37.69
221.0	000.0990	0038.2	006.3	021.4	000.0990	0037.4	023.8	37.72
222.0	000.0990	0038.2	006.3	021.2	000.0990	0037.7	023.8	37.75
223.0	000.0990	0038.2	006.3	020.9	000.0990	0038.0	023.9	37.79
224.0	000.0990	0038.4	006.3	020.7	000.0990	0038.3	023.9	37.83
225.0	000.0990	0038.6	006.3	020.4	000.0990	0038.5	023.9	37.88
226.0	000.0990	0038.9	006.3	020.2	000.0990	0038.8	024.0	37.92
227.0	000.0990	0039.1	006.4	019.9	000.0990	0039.1	024.0	37.96
228.0	000.0990	0039.2	006.4	019.7	000.0990	0039.4	024.0	37.99
229.0	000.0990	0039.4	006.4	019.4	000.0990	0039.7	024.1	38.03
230.0	000.0990	0039.5	006.4	019.2	000.0990	0040.0	024.1	38.05
231.0	000.0990	0039.5	006.4	019.0	000.0990	0040.2	024.2	38.06
232.0	000.0990	0039.5	006.4	018.7	000.0990	0040.4	024.2	38.05
233.0	000.0990	0039.6	006.4	018.5	000.0990	0040.6	024.3	38.06
234.0	000.0990	0039.7	006.4	018.3	000.0990	0040.8	024.4	38.06
235.0	000.0990	0039.8	006.4	018.1	000.0990	0041.0	024.4	38.06
236.0	000.0990	0039.8	006.4	017.8	000.0990	0041.1	024.5	38.05
237.0	000.0990	0039.8	006.4	017.6	000.0990	0041.3	024.5	38.04
238.0	000.0990	0039.8	006.4	017.4	000.0990	0041.5	024.6	38.02
239.0	000.0990	0039.8	006.4	017.2	000.0990	0041.6	024.7	37.99
240.0	000.0990	0039.9	006.4	017.0	000.0990	0041.7	024.8	37.96
241.0	000.0990	0039.9	006.4	016.9	000.0990	0041.8	024.8	37.93
242.0	000.0990	0039.8	006.4	016.7	000.0990	0041.9	024.9	37.90
243.0	000.0990	0039.8	006.4	016.5	000.0990	0041.9	025.0	37.86
244.0	000.0990	0039.7	006.4	016.3	000.0990	0042.0	025.1	37.81


82°25'20"W
82°25'0"W
82°24'40"W
82°24'20"W
27°42'0"N
27°41'50"N
27°41'40"N
27°41'30"N
27°41'20"N
27°41'10"N
The actual Proposed Interference Contour has been calculated to be no less than the 129 dBu f(50:10) contour corresponding to the WFUS(FM), CH278CØ, Gulfport, FL 89 dBu f(50:50) contour. This represents the proposed interference contour which falls wholly within the 40:1 dBu ratio of all stations.
The worst case 129 dBu f(50:10) contour is predicted to extend no more than 25 meters around the base of the tower when calculated using the Free Space Equation. As seen in the map, there is a lack of population and housing or major roads (defined as red) around the transmitter site and within this calculated interference area.
Exhibit 12.7
2nd Adjacent Channel Given Interference Waiver Request with
WFUS(FM) - CH278CØ - Gulfport, FL
129 dBu f(50:10)
(25 meters (82 feet)
Proposed Site
27°41'37" NL
82°24'51"WL
(NAD 1927)
25
25
0
690ft
MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339
USGS
USGS
science for a changing world
27°42'6"N
82°25'38"W
Map Extent
82°24'2"W
27°41'9"N
The National Map
http://nationalmap.gov/
Geographic Coordinate System (WGS84)