

Large Filing Separator Sheet

CASE NUMBER: 09-1066-EL-BGN

FILE DATE: 03/31/10

SECTION: PART 2 OF 3

NUMBER OF PAGES: 156

DESCRIPTION OF DOCUMENT:

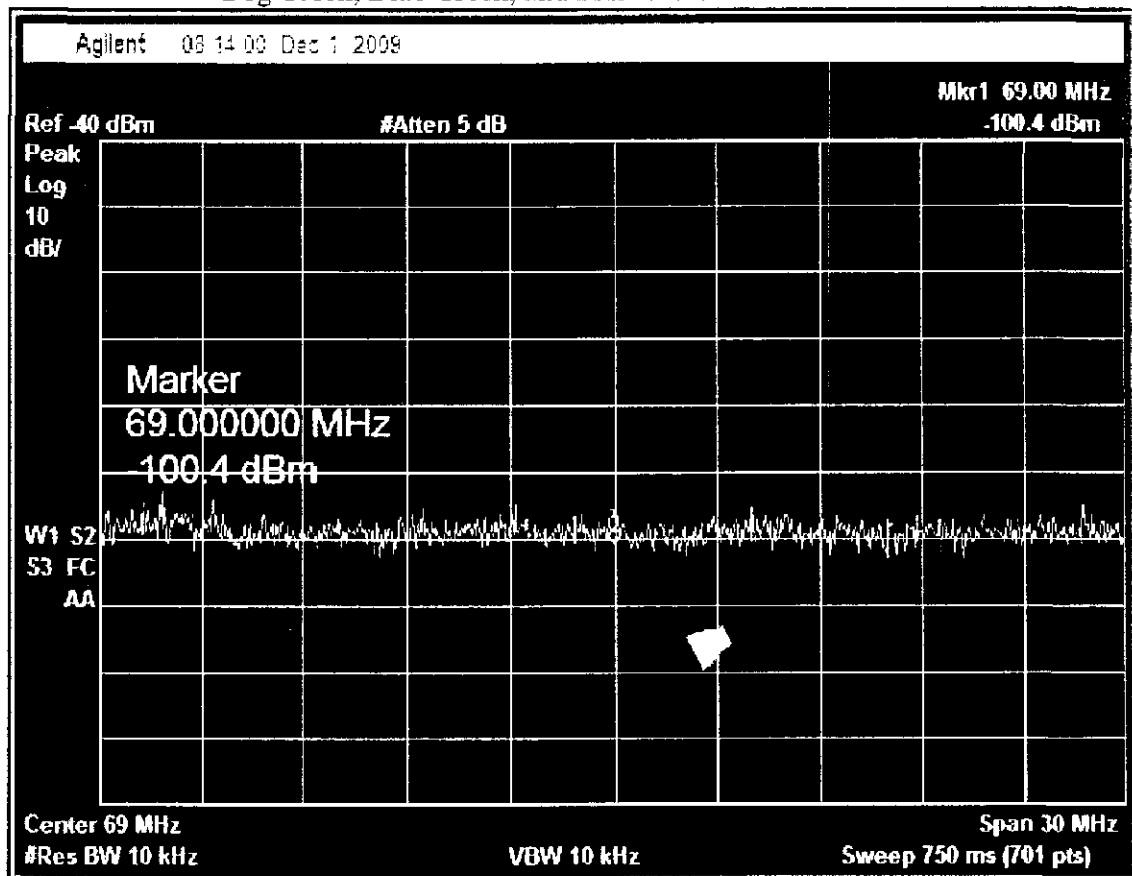
DPSB APPLICATION SUPP.
HEARTLAND WIND

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.
Technician mm Date Processed 03/31/10

Test Point Eight Southwest Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009
 Antenna Polarization: Horizontal
 Antenna Centerline: 6 Feet
 Coordinates: N41° 02' 0.23" W84° 37' 50.23"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)
 None noted

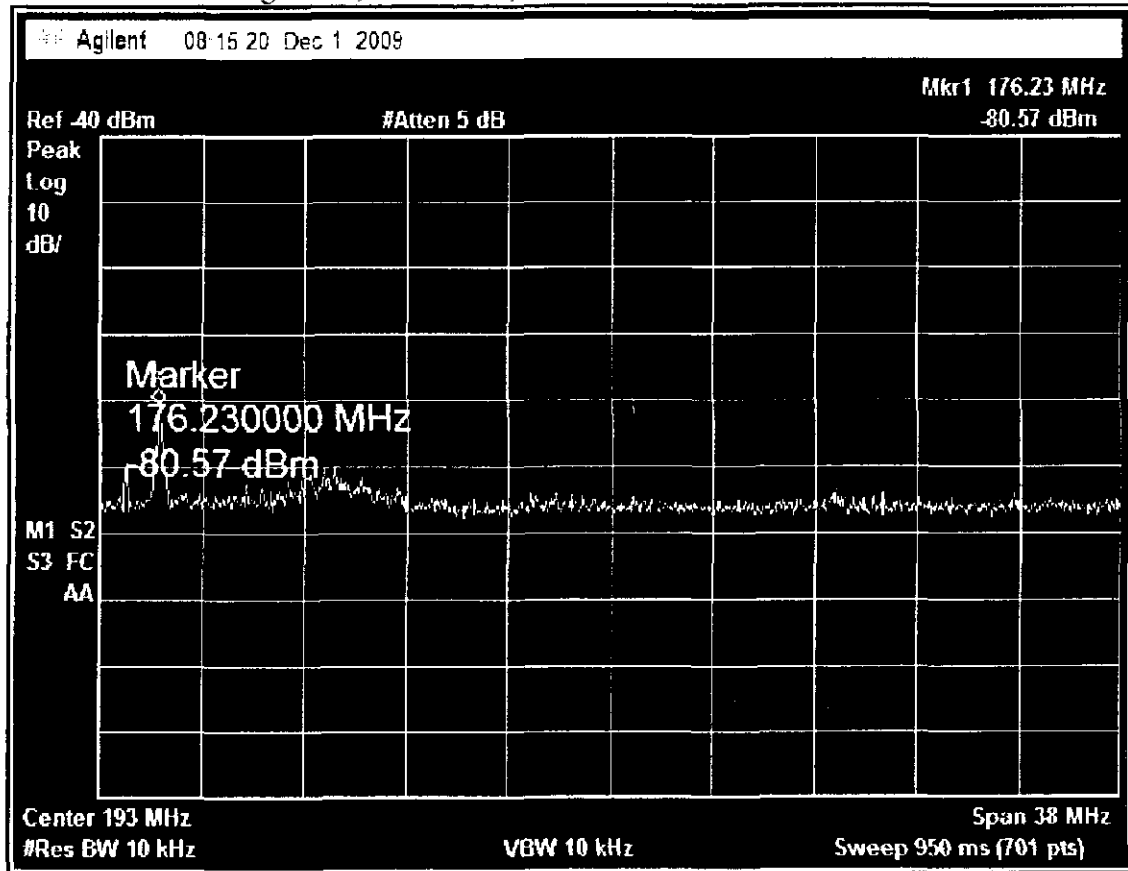
Azimuth: 0-360°

Figure 3.8-3 Spectrum Photographs

Test Point Eight Southwest Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 0.23" W84° 37' 50.23"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

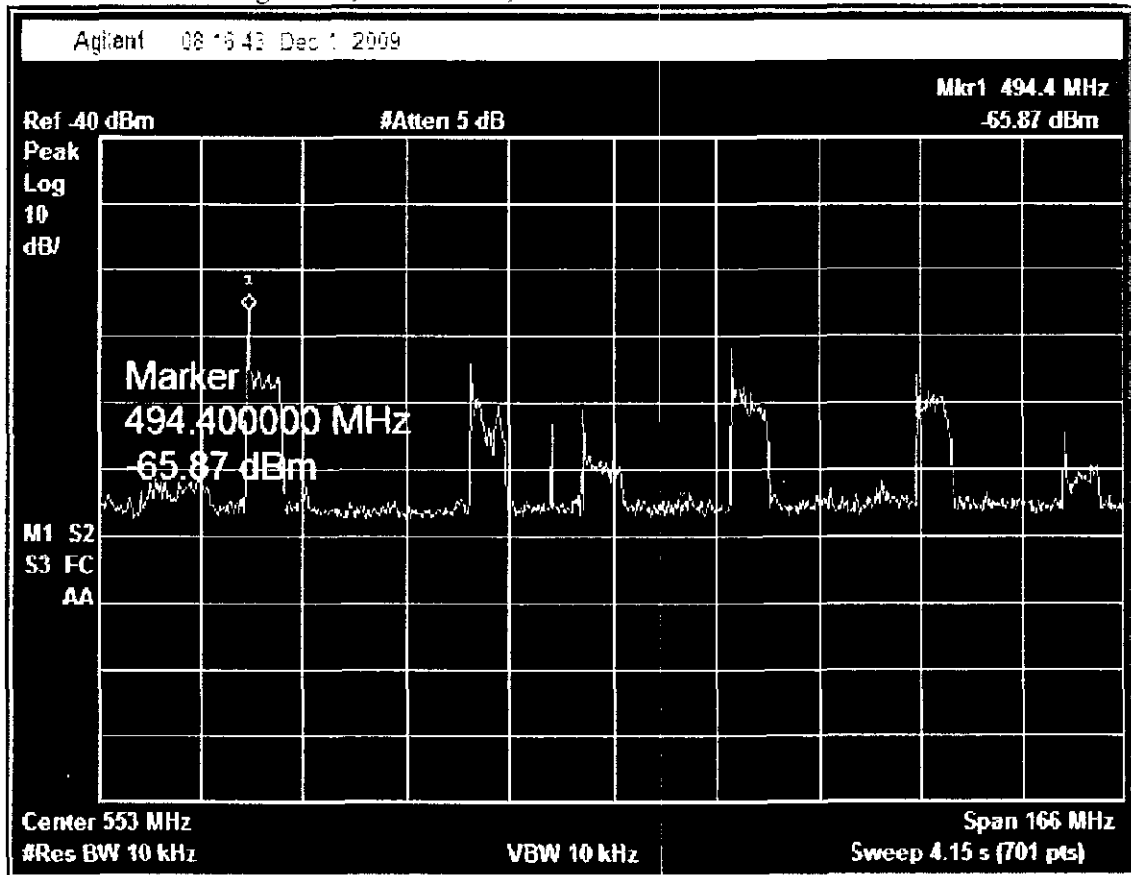
Azimuth: 0-360°

Figure 3.8-4 Spectrum Photographs

Test Point Eight Southwest Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 0.23" W84° 37' 50.23"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
494.4	-65.87

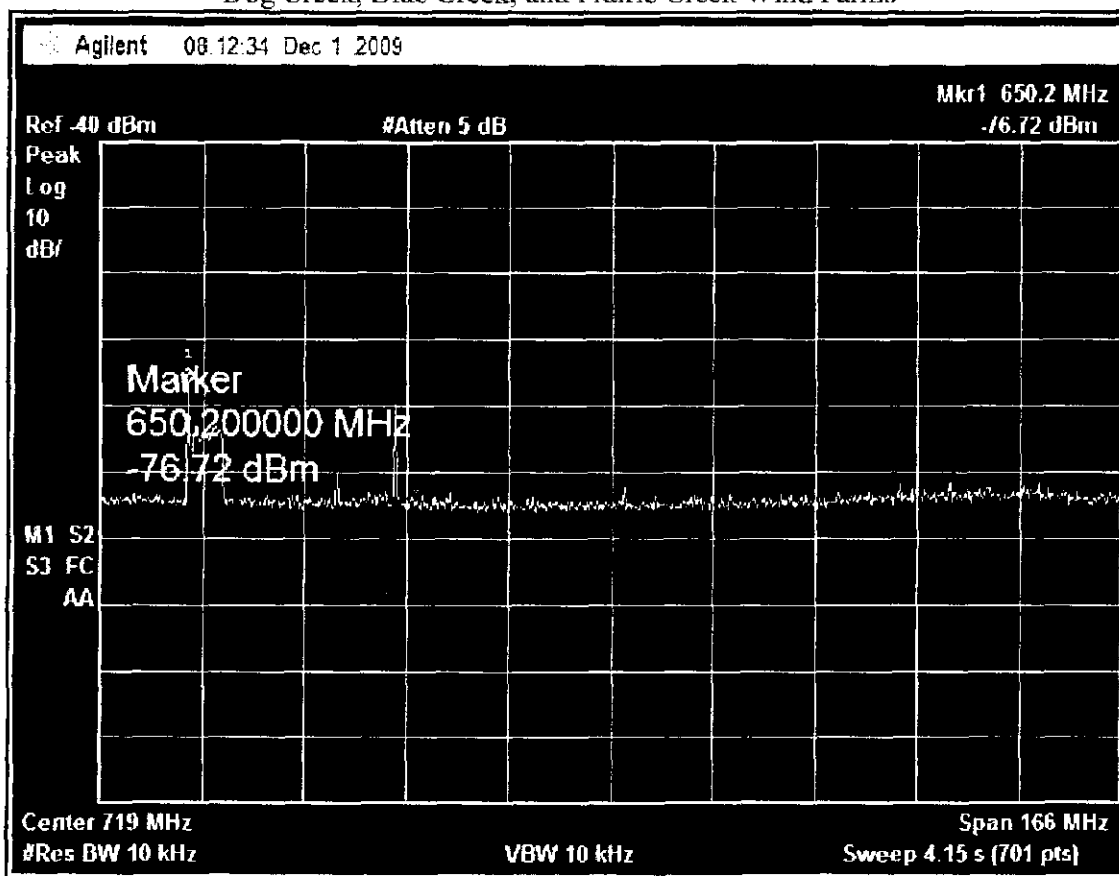
Azimuth: 0-360°

Figure 3.8-5 Spectrum Photographs

Test Point Eight Southwest Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 0.23" W84° 37' 50.23"

UHF Band Channels 42-69

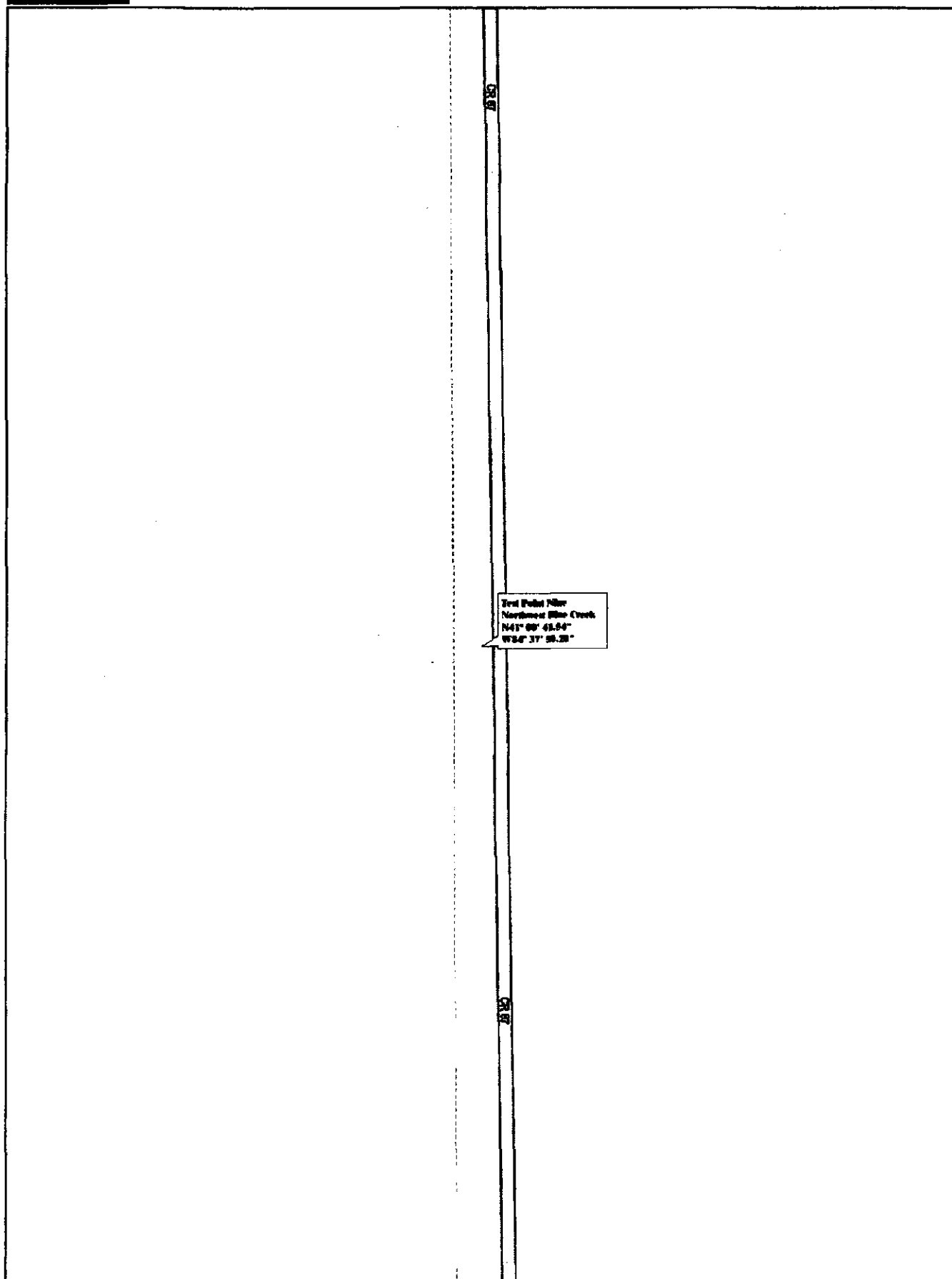
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-76.72

Azimuth: 0-360°

Figure 3.8-6 Spectrum Photographs



The following images were scanned as received

Test Point Nine Northwest Blue Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

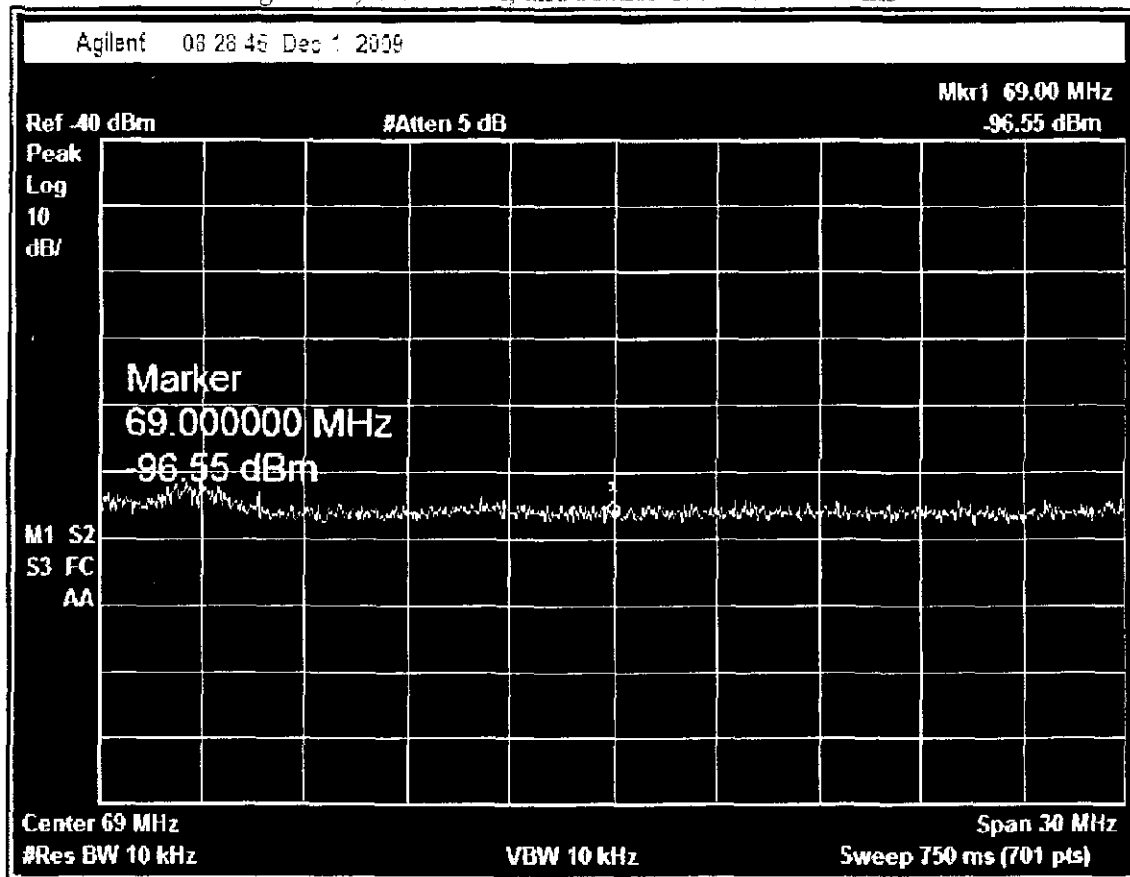


Figure 3.9-2 Site Photograph

Test Point Nine Northwest Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 00' 41.54" W84° 37' 50.20"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

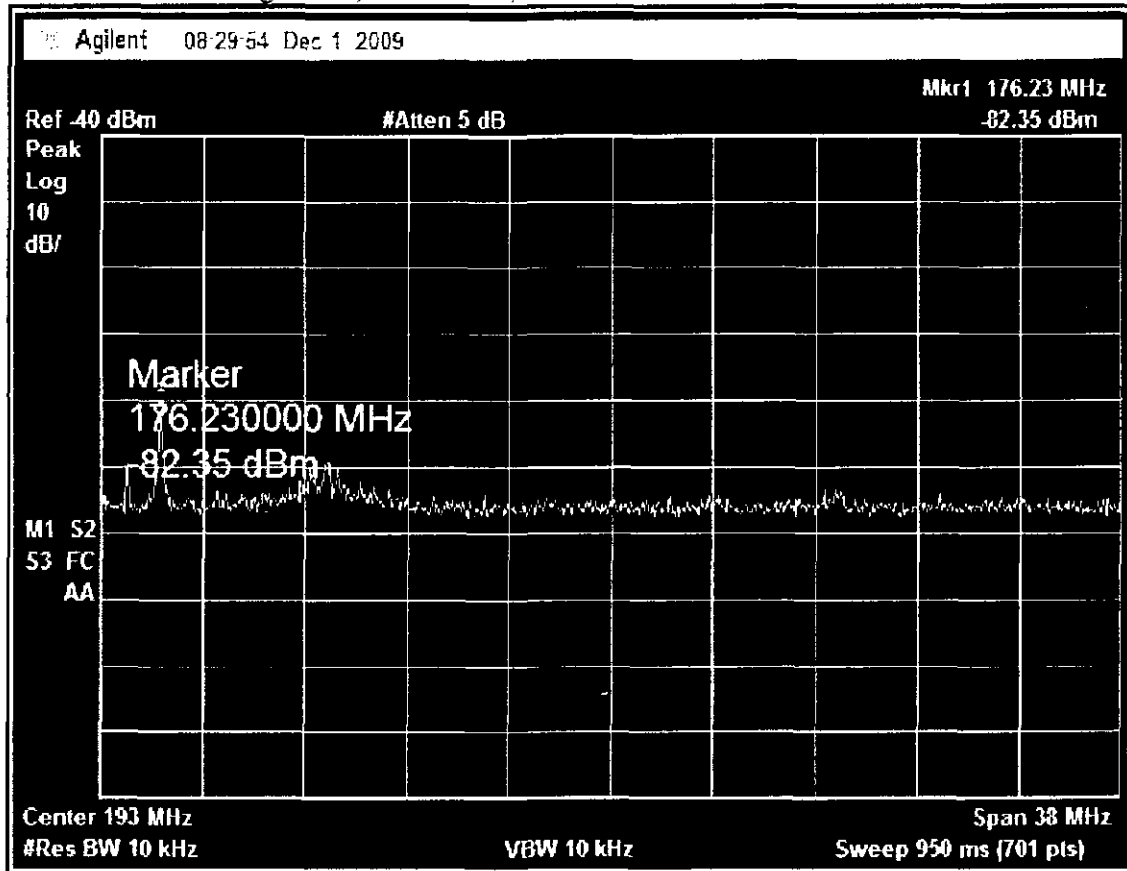
Azimuth: 0-360°

Figure 3.9-3 Spectrum Photographs

Test Point Nine Northwest Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 00' 41.54" W84° 37' 50.20"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

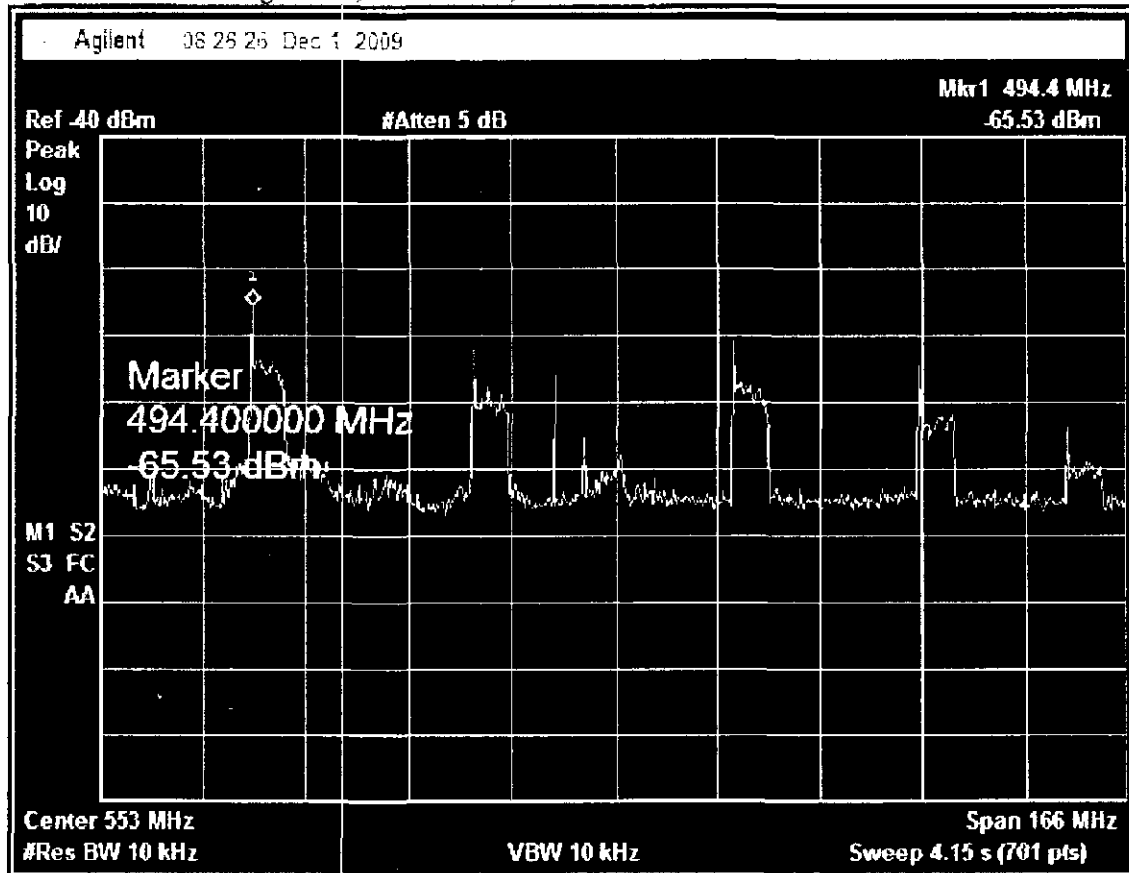
Azimuth: 0-360°

Figure 3.9-4 Spectrum Photographs

Test Point Nine Northwest Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 00' 41.54" W84° 37' 50.20"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
494.4	-65.53

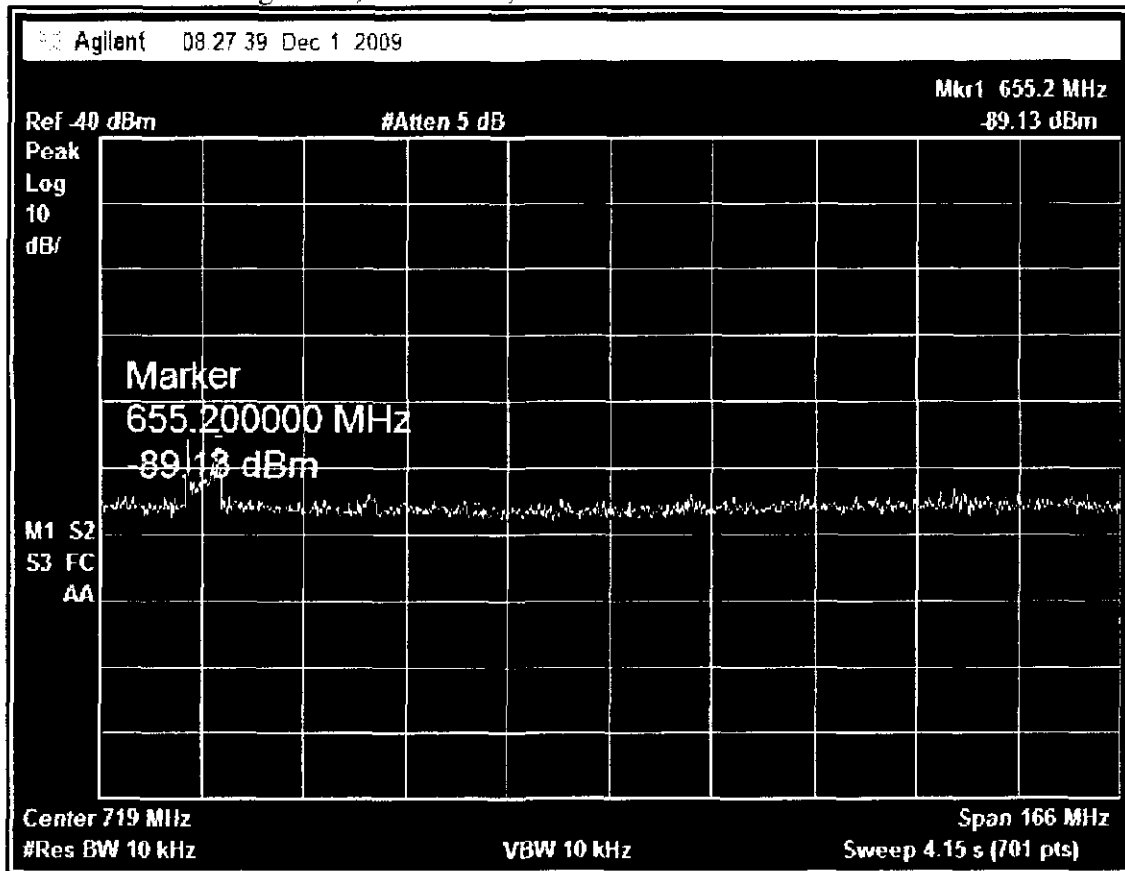
Azimuth: 0-360°

Figure 3.9-5 Spectrum Photographs

Test Point Nine Northwest Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 00' 41.54" W84° 37' 50.20"

UHF Band Channels 42-69

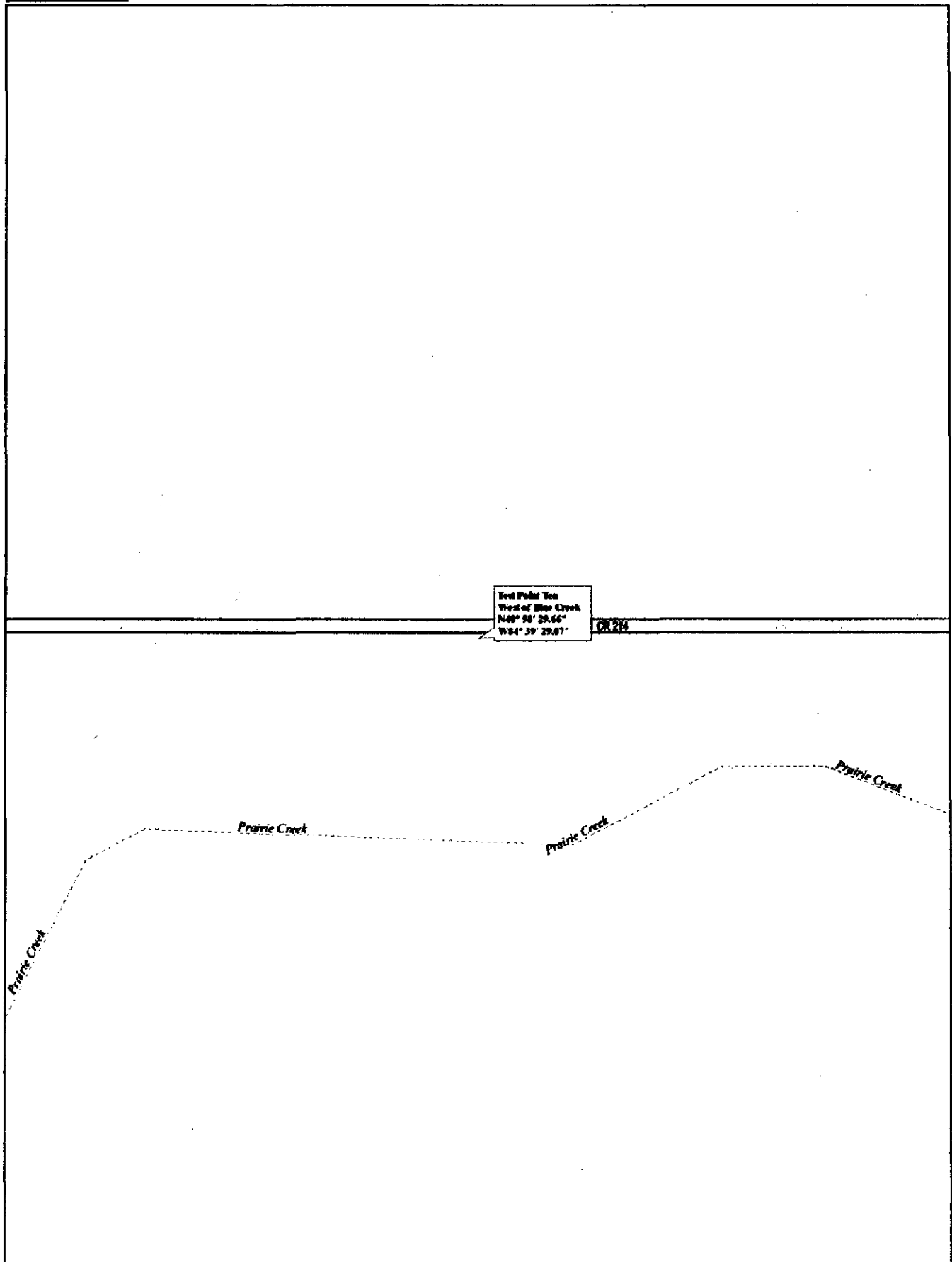
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
655.2	-89.18

Azimuth: 0-360°

Figure 3.9-6 Spectrum Photographs



The following images were scanned as received

Test Point Ten West of Blue Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

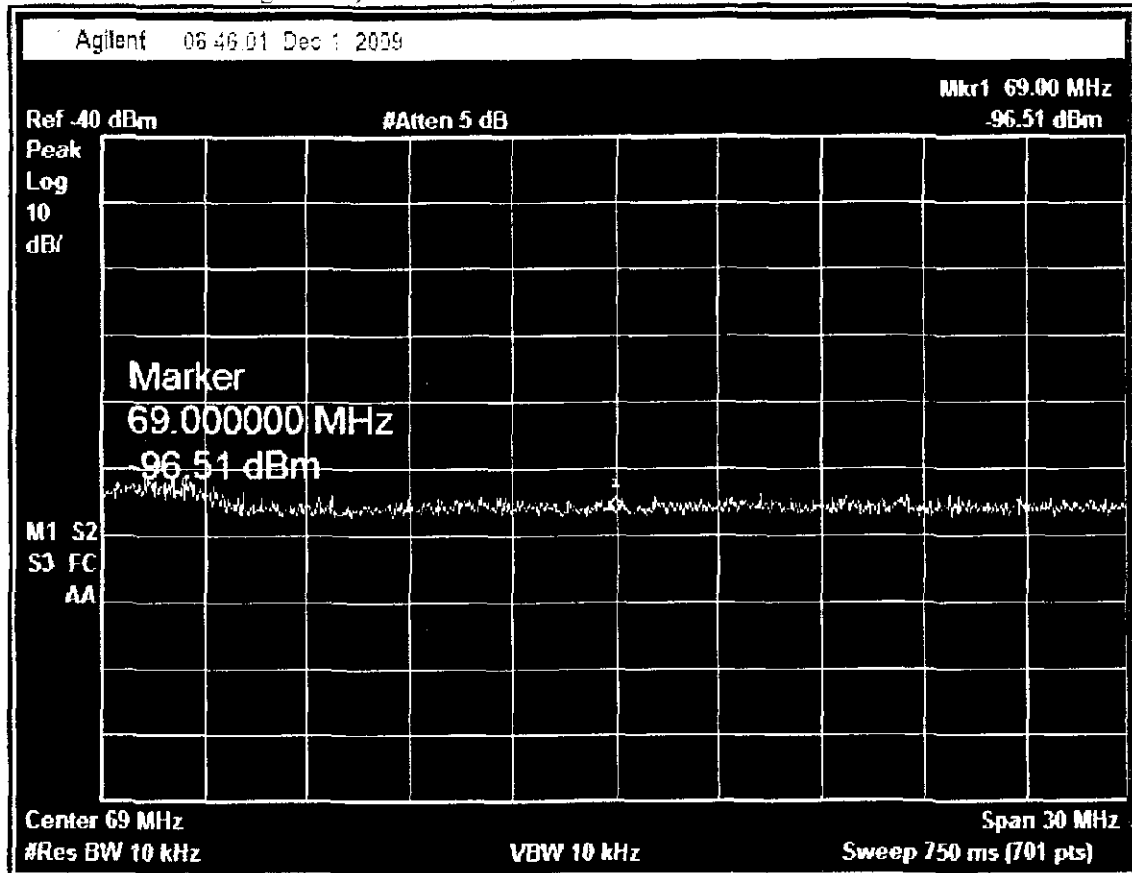


Figure 3.10-2 Site Photograph

Test Point Ten West of Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 58' 29.66" W84° 39' 29.07"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

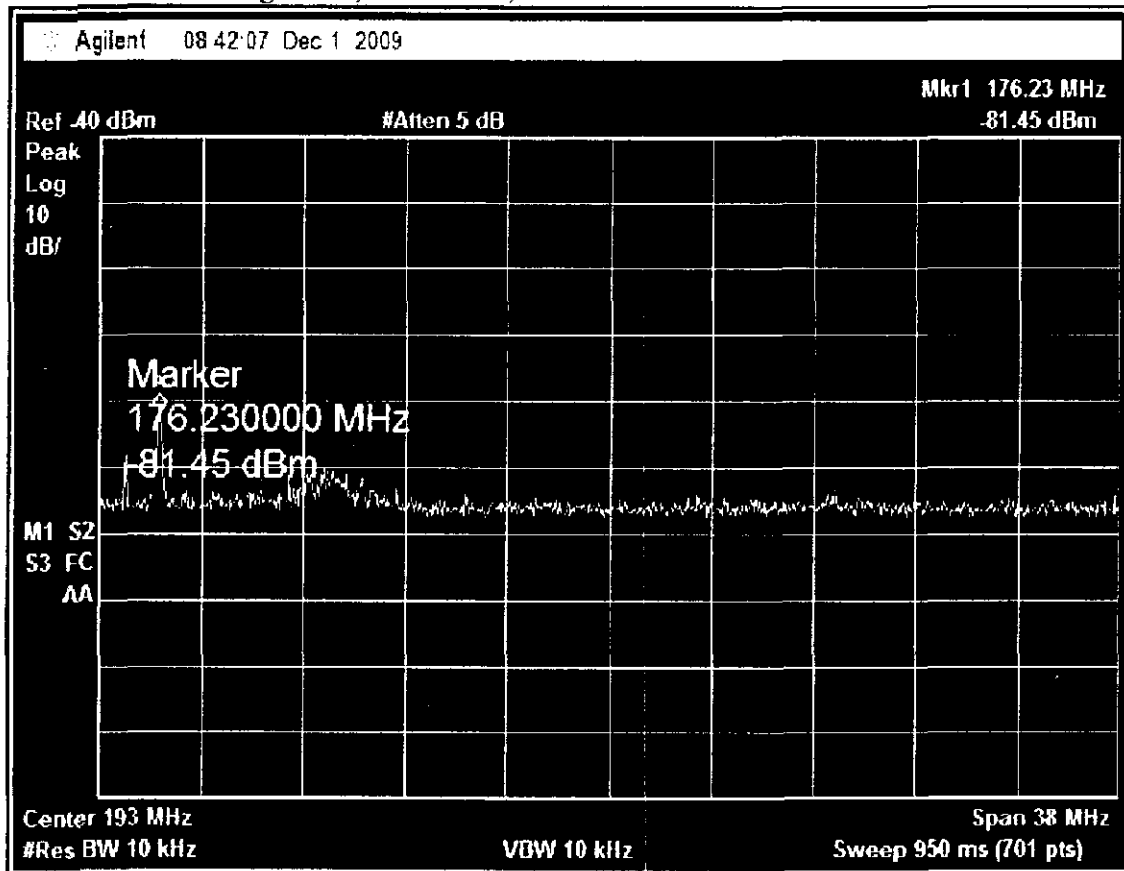
Azimuth: 0-360°

Figure 3.10-3 Spectrum Photographs

Test Point Ten West of Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 58' 29.66" W84° 39' 29.07"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)
None noted

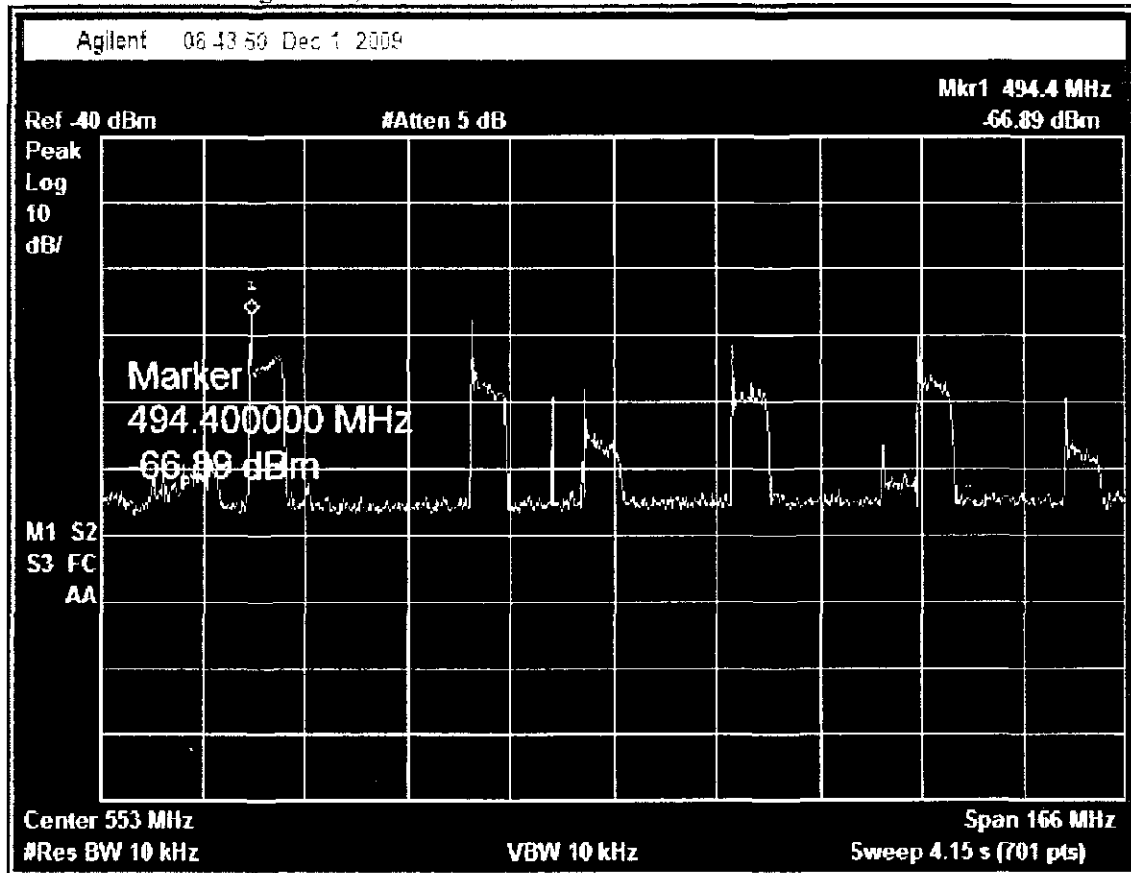
Azimuth: 0-360°

Figure 3.10-4 Spectrum Photographs

Test Point Ten West of Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 58' 29.66" W84° 39' 29.07"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
494.4	-66.89

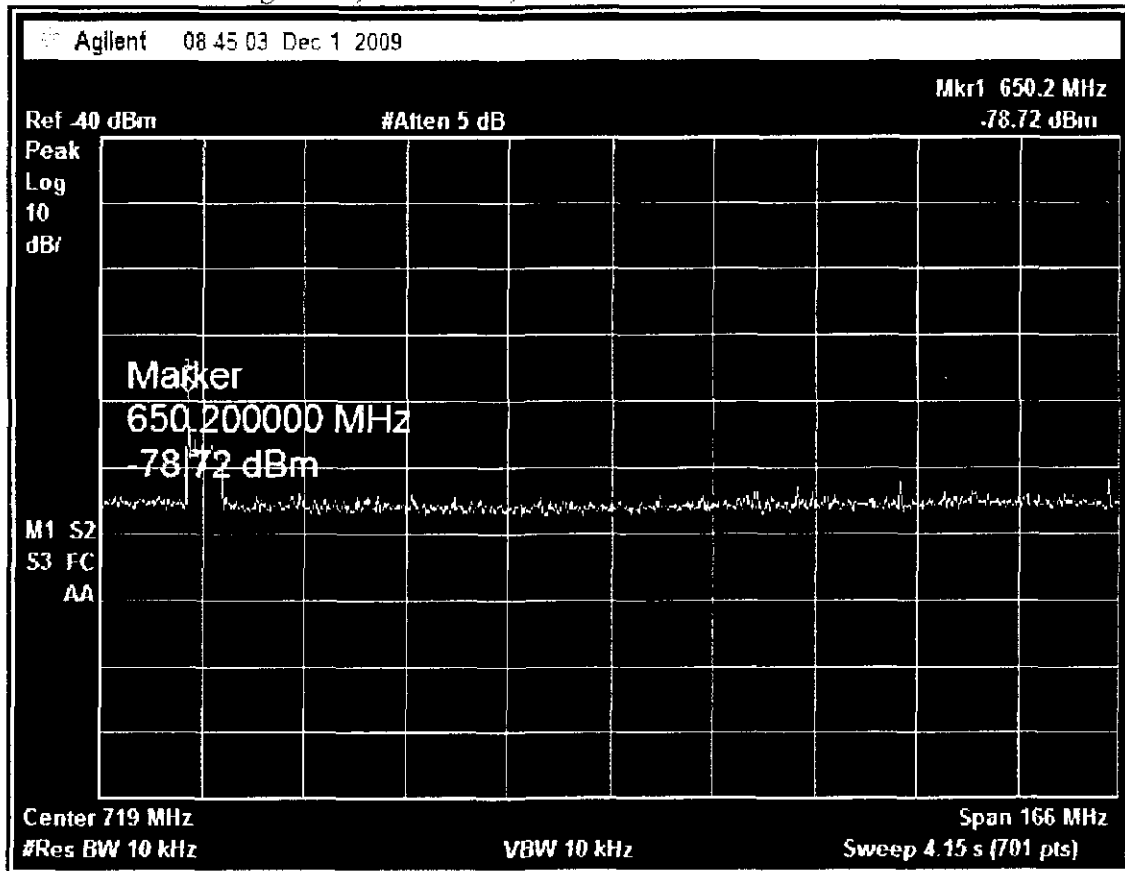
Azimuth: 0-360°

Figure 3.10-5 Spectrum Photographs

Test Point Ten West of Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 58' 29.66" W84° 39' 29.07"

UHF Band Channels 42-69

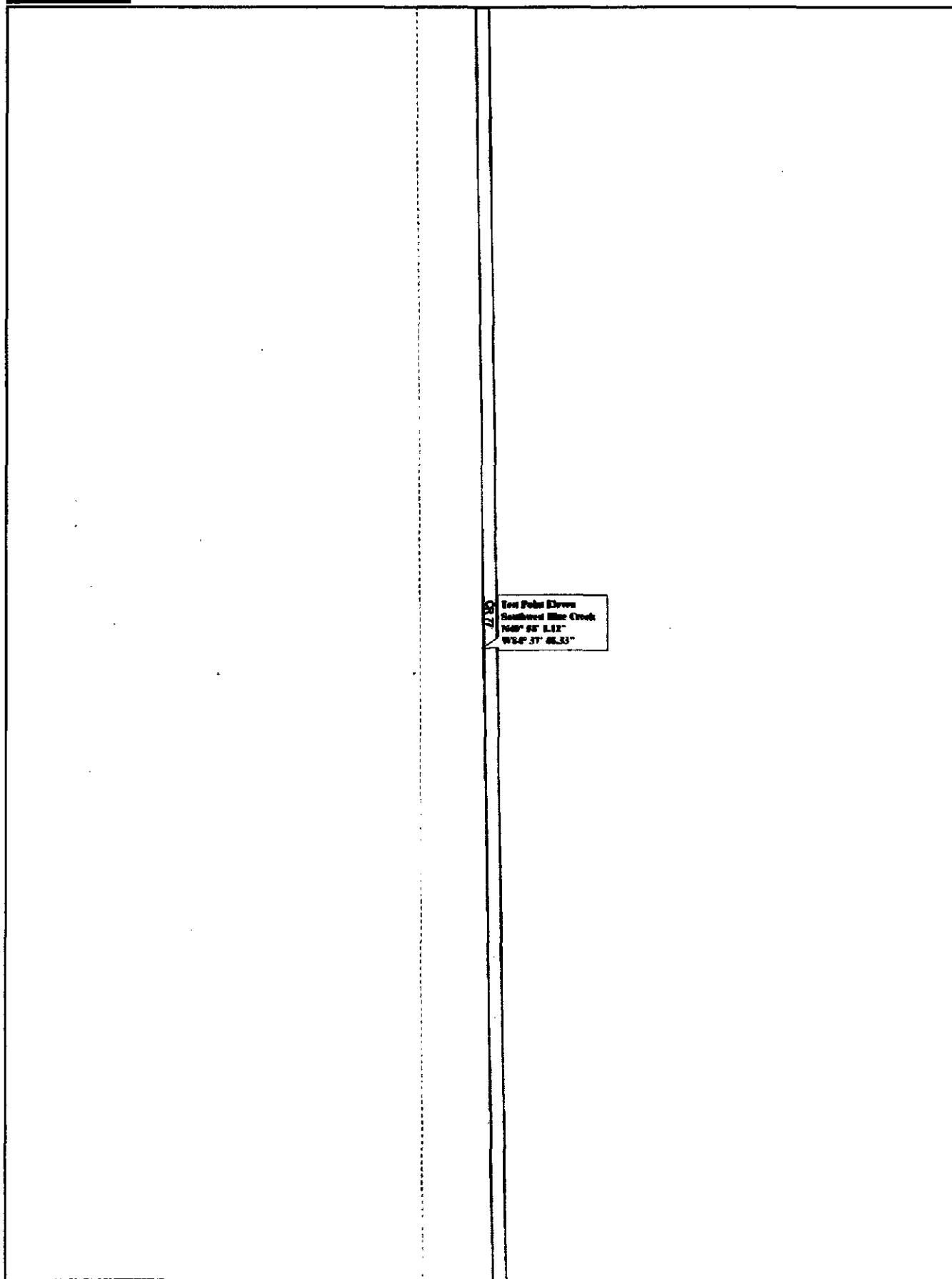
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-78.72

Azimuth: 0-360°

Figure 3.10-6 Spectrum Photographs



Test Point Elev
Southwest Mine Creek
N48° 55' E.11"
W54° 37' 45.33"

The following images were scanned as received

Test Point Eleven Southwest Blue Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

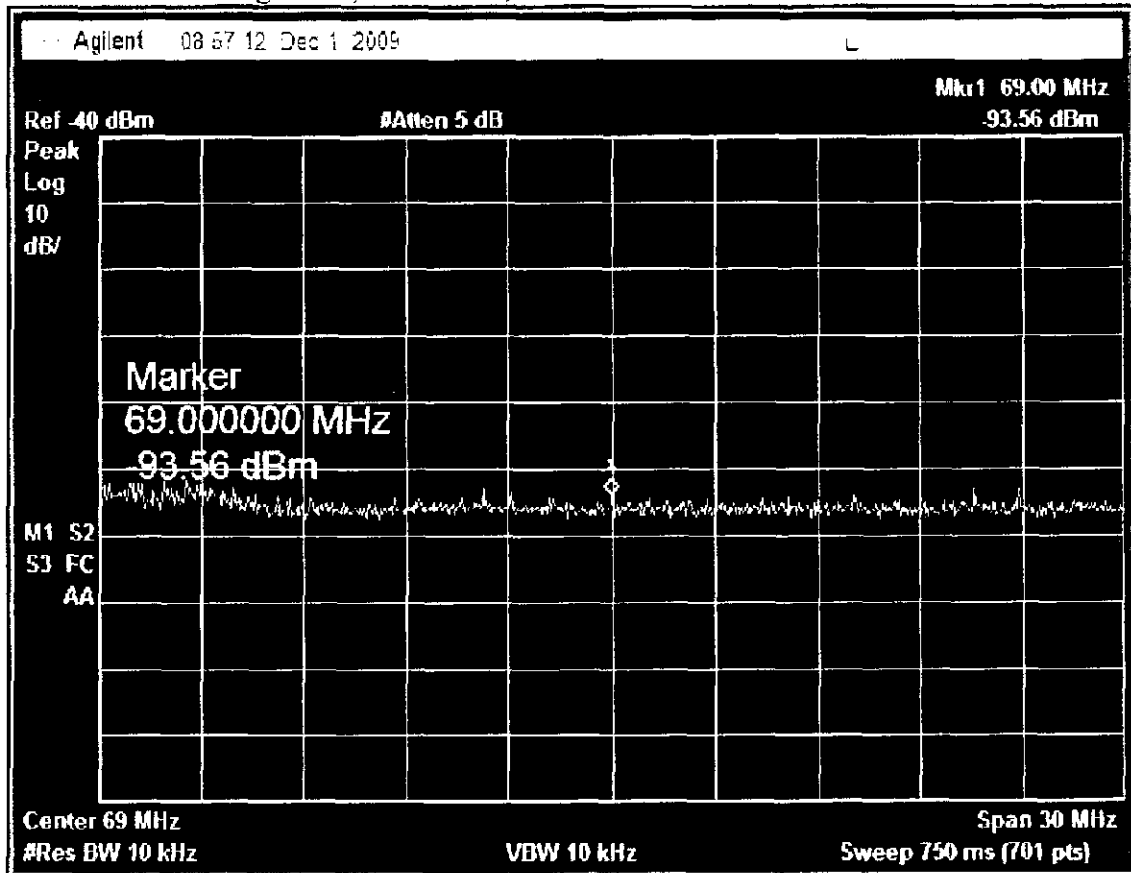


Figure 3.11-2 Site Photograph

Test Point Eleven Southwest Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 58' 1.12" W84° 37' 48.33"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

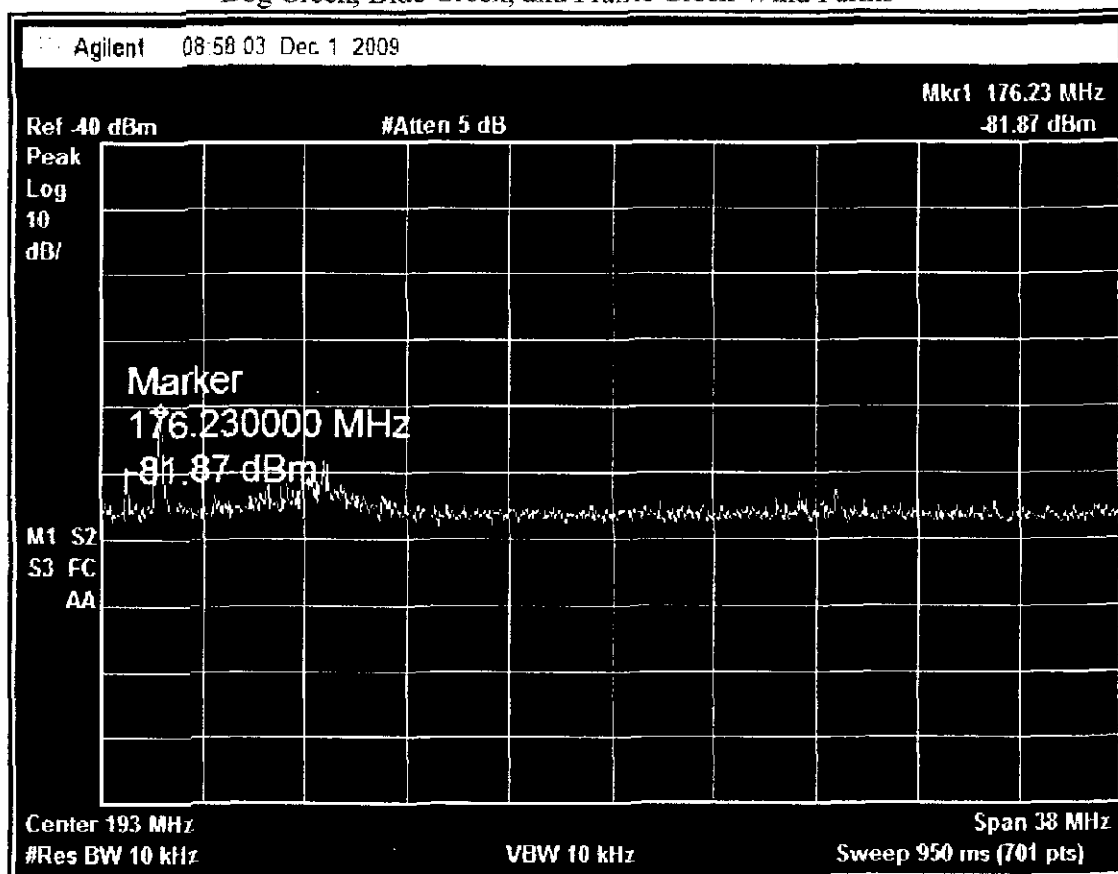
Azimuth: 0-360°

Figure 3.11-3 Spectrum Photographs

Test Point Eleven Southwest Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 58' 1.12" W84° 37' 48.33"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

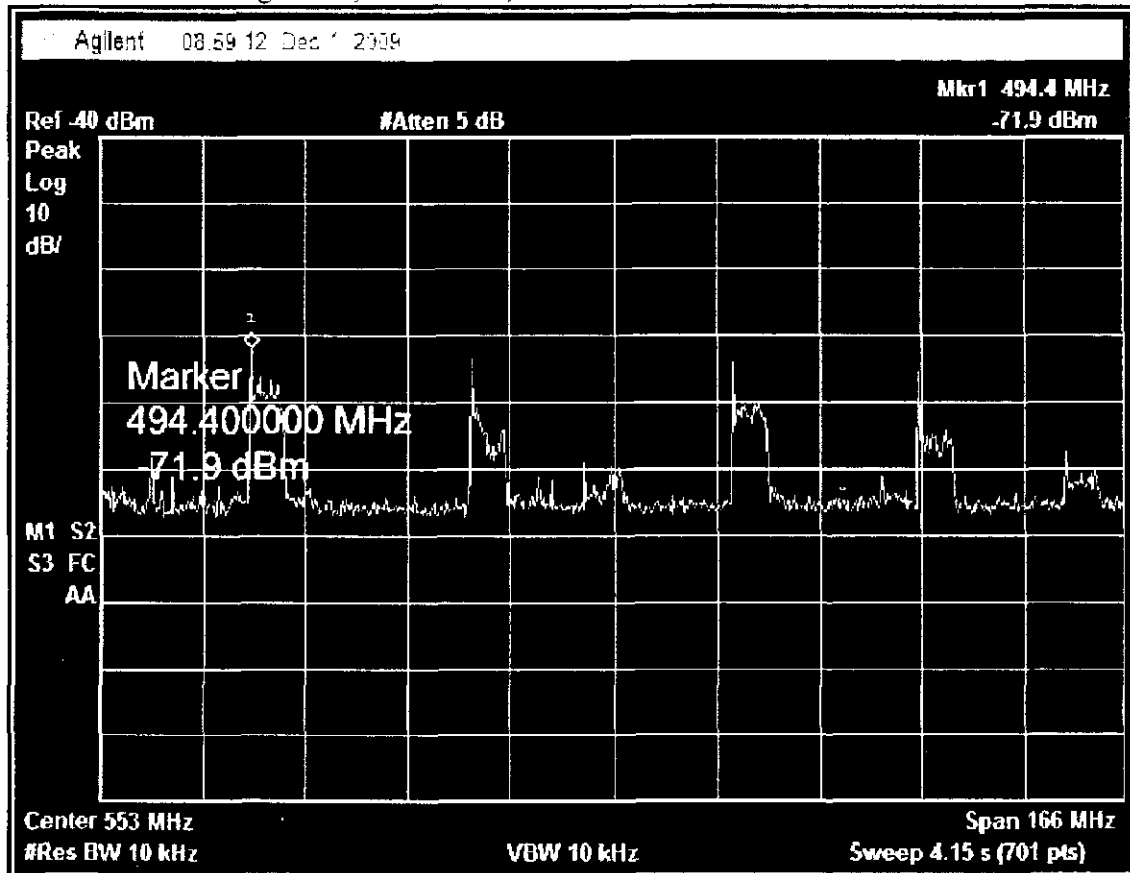
Azimuth: 0-360°

Figure 3.11-4 Spectrum Photographs

Test Point Eleven Southwest Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 58' 1.12" W84° 37' 48.33"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
494.4	-71.9

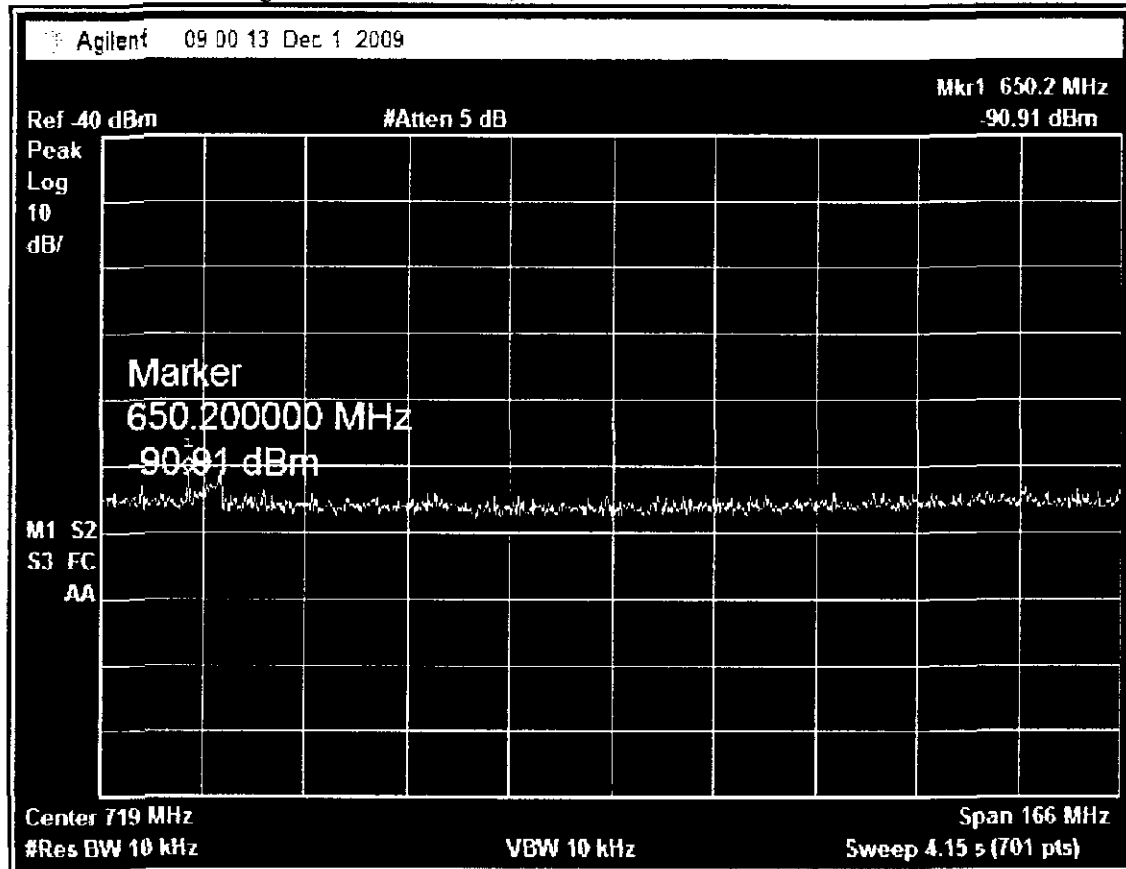
Azimuth: 0-360°

Figure 3.11-5 Spectrum Photographs

Test Point Eleven Southwest Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 58' 1.12" W84° 37' 48.33"

UHF Band Channels 42-69

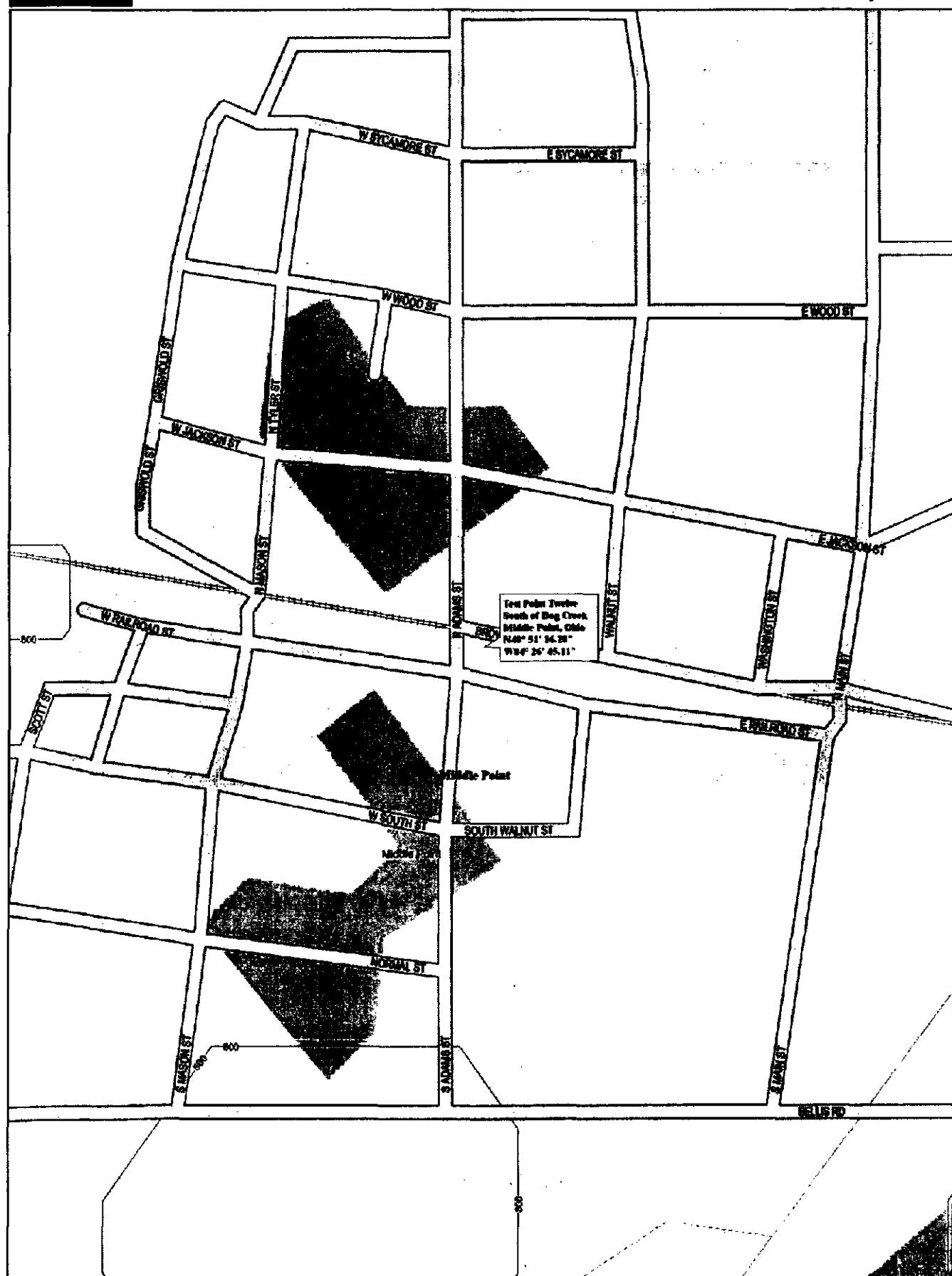
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-90.91

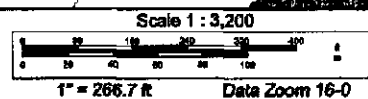
Azimuth: 0-360°

Figure 3.11-6 Spectrum Photographs



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FIGURE 3.12-1



The following images were scanned as received

Test Point Twelve South of Dog Creek Middle Point, Ohio

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

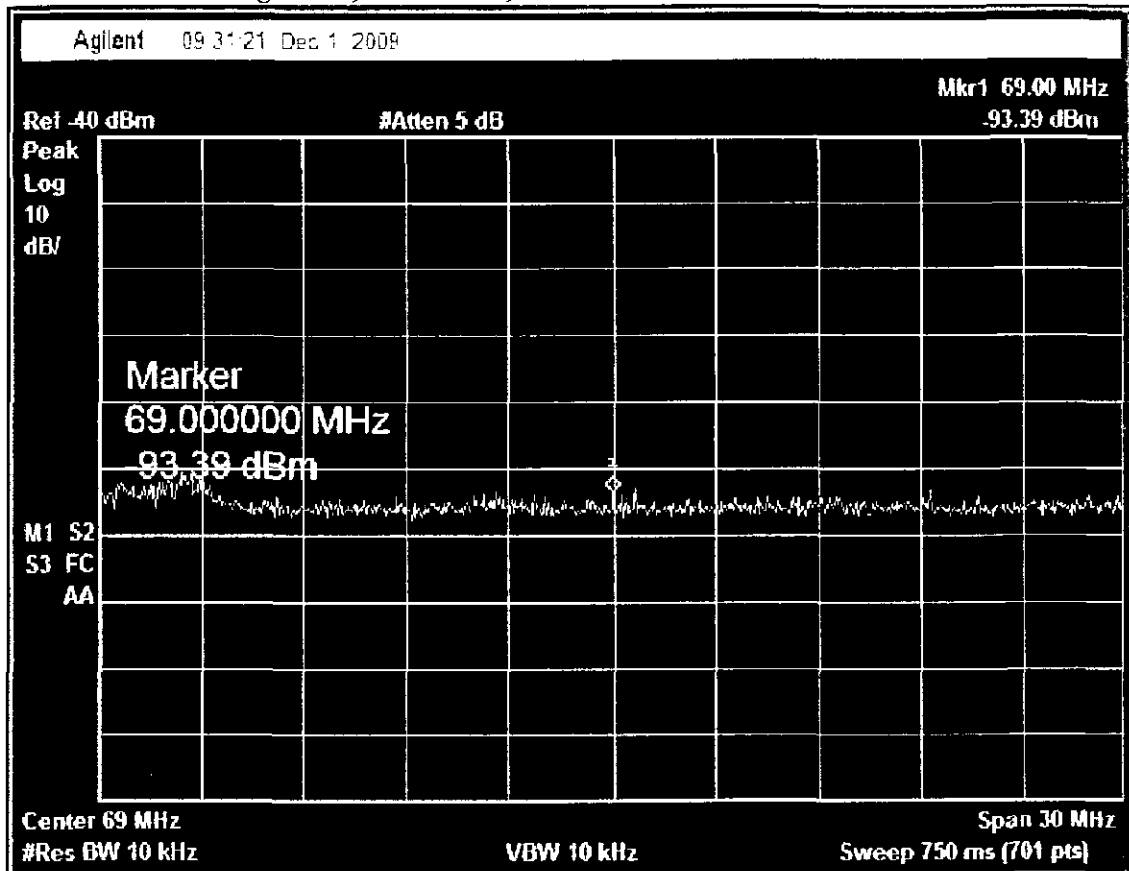


Figure 3.12-2 Site Photograph

Test Point Twelve South of Dog Creek Middle Point, Ohio

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 51' 16.28" W84° 26' 45.11"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

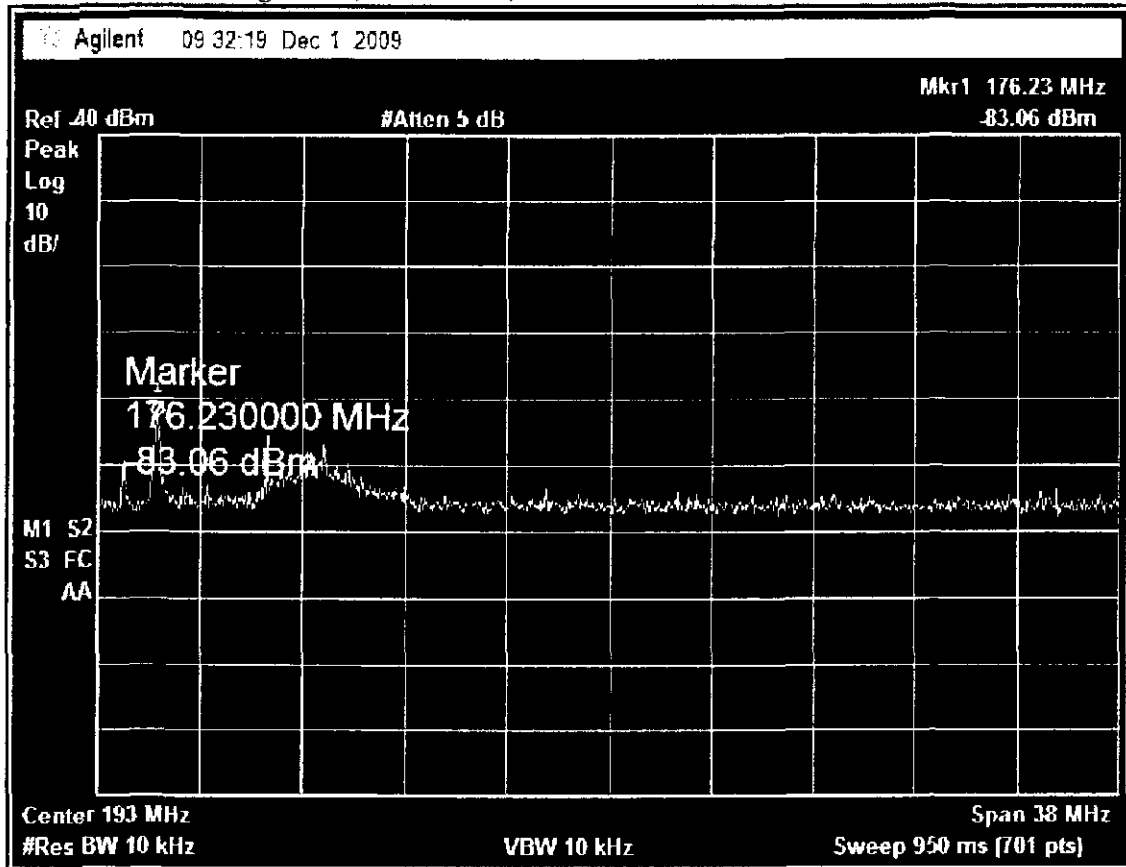
Azimuth: 0-360°

Figure 3.12-3 Spectrum Photographs

Test Point Twelve South of Dog Creek Middle Point, Ohio

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 51' 16.28" W84° 26' 45.11"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)
None noted

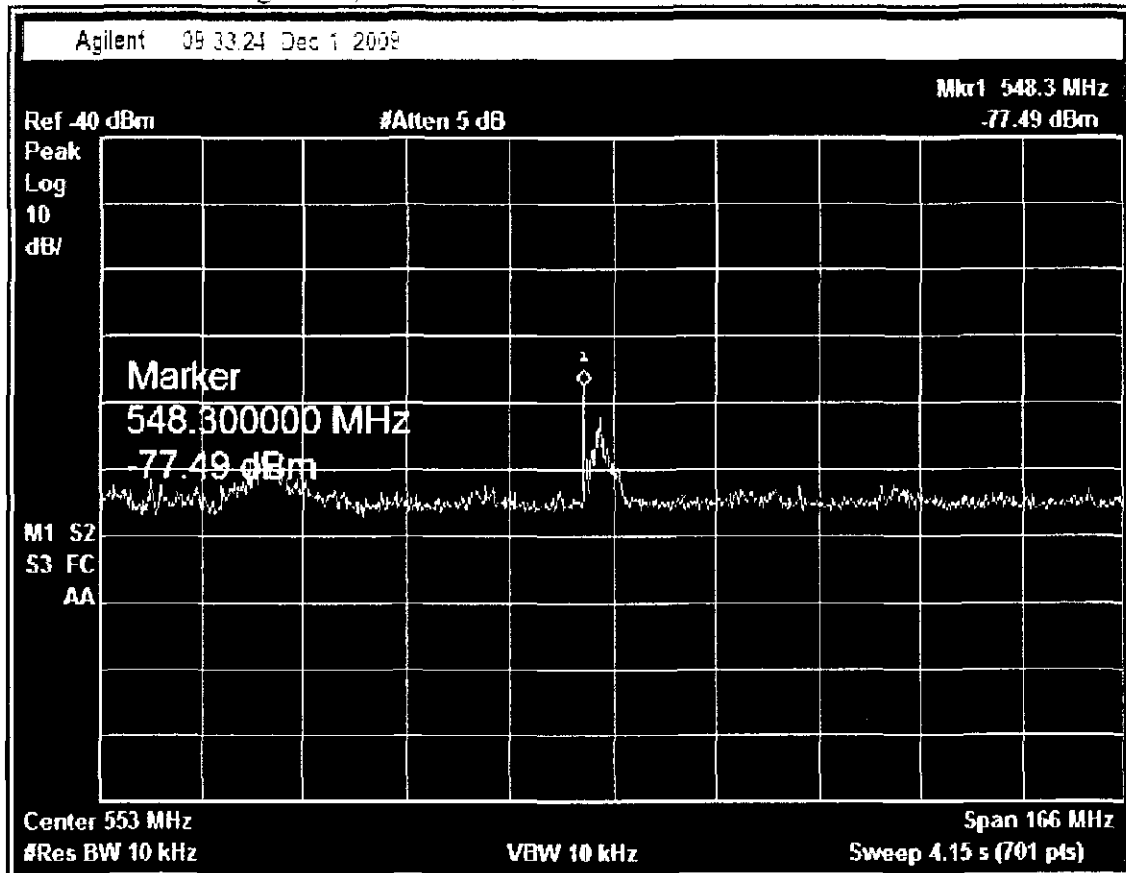
Azimuth: 0-360°

Figure 3.12-4 Spectrum Photographs

Test Point Twelve South of Dog Creek Middle Point, Ohio

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009
Antenna Polarization: Horizontal
Antenna Centerline: 6 Feet
Coordinates: N40° 51' 16.28" W84° 26' 45.11"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
548.3	-77.49

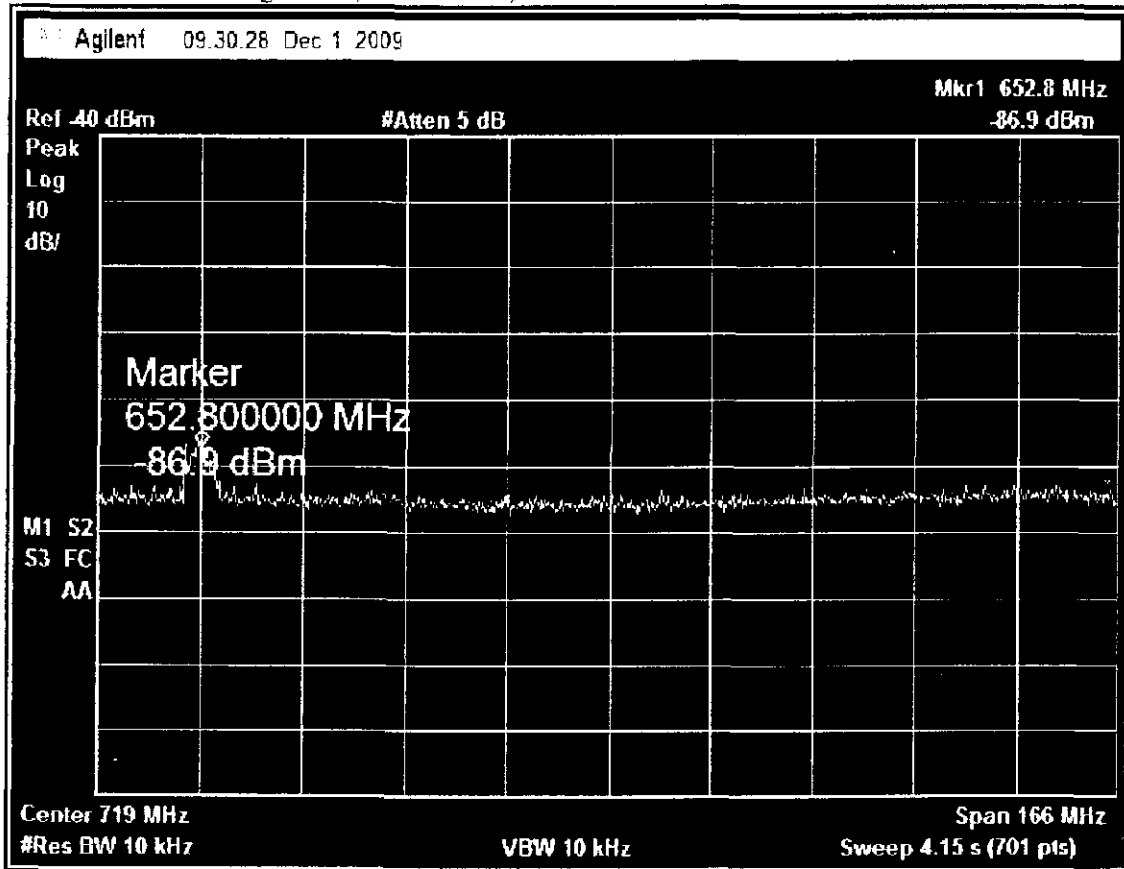
Azimuth: 0-360°

Figure 3.12-5 Spectrum Photographs

Test Point Twelve South of Dog Creek Middle Point, Ohio

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 51' 16.28" W84° 26' 45.11"

UHF Band Channels 42-69

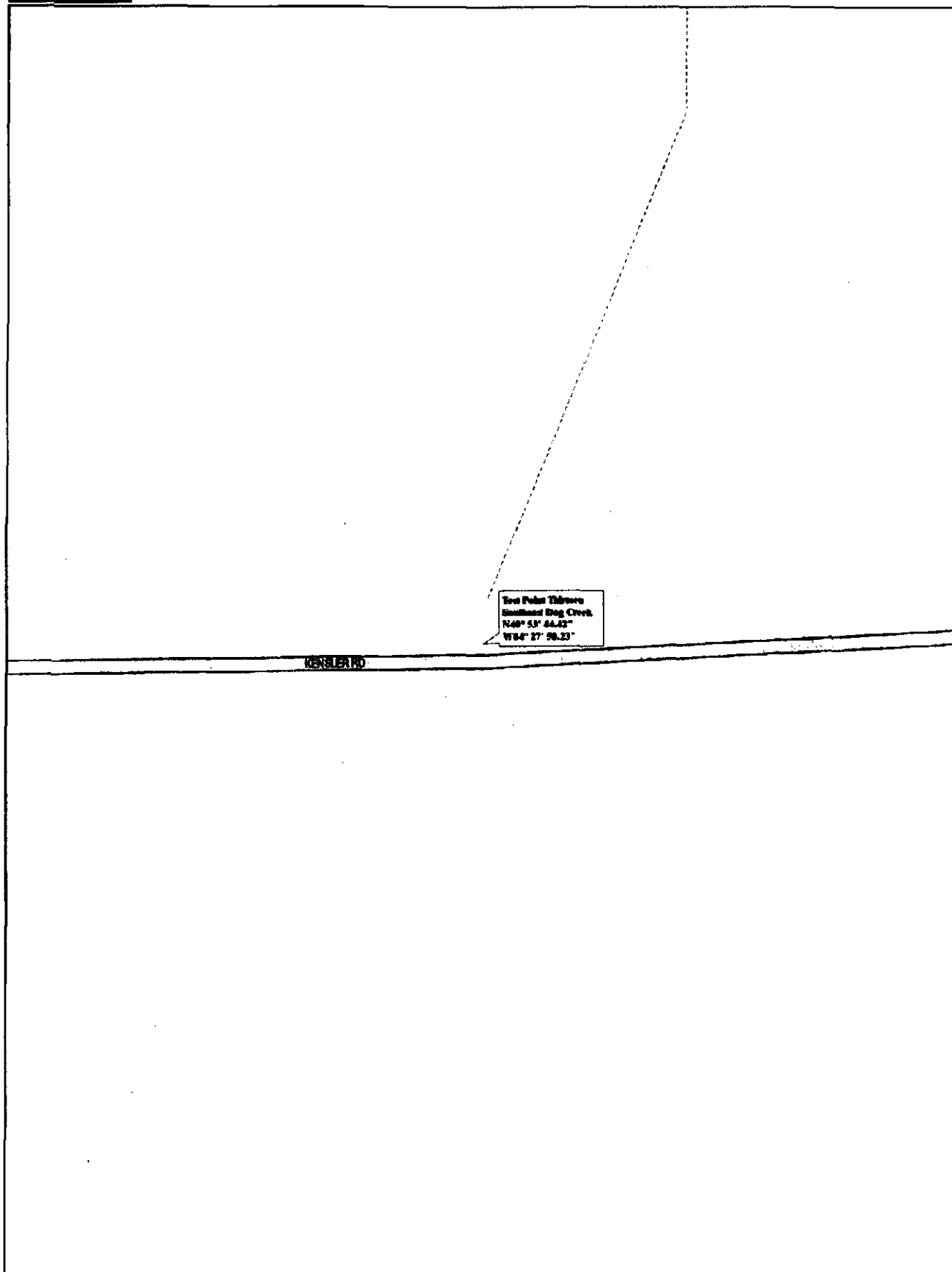
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
652.8	-86.9

Azimuth: 0-360°

Figure 3.12-6 Spectrum Photographs



The following images were scanned as received

Test Point Thirteen Southeast Dog Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

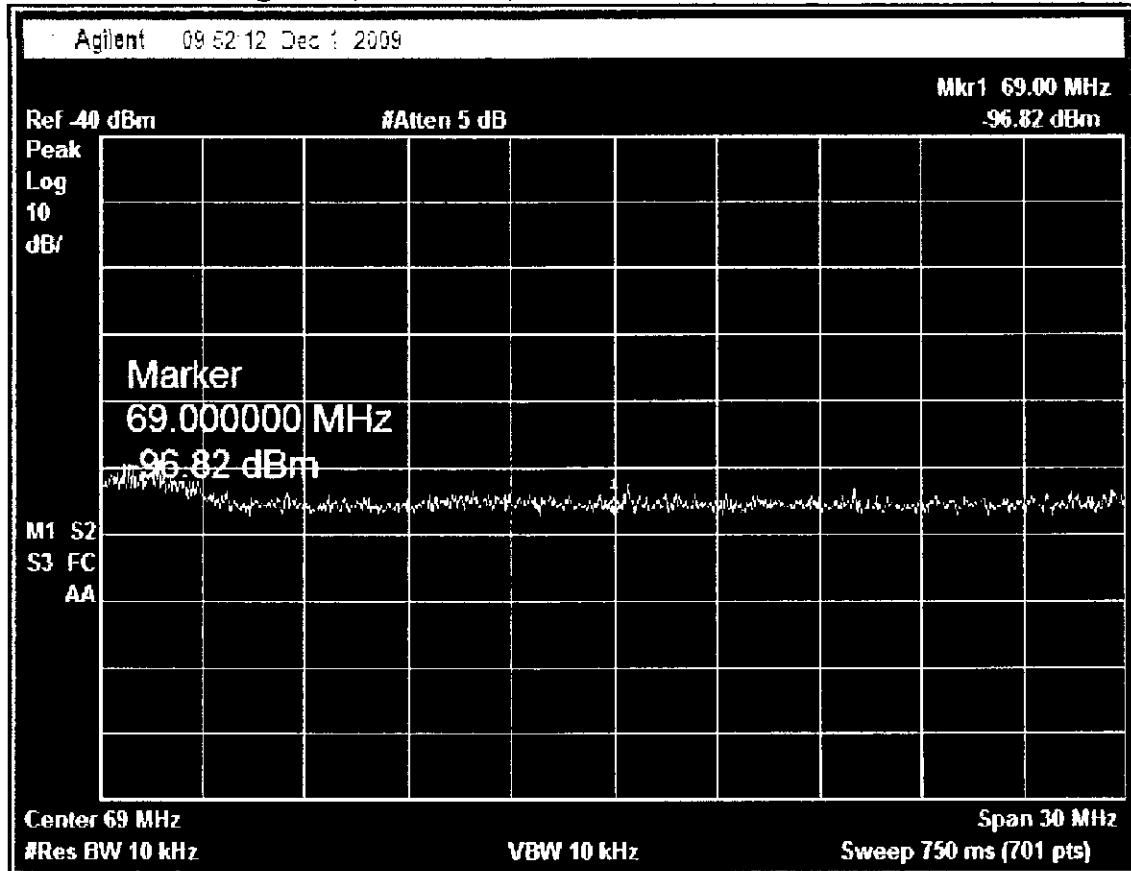


Figure 3.13-2 Site Photograph

Test Point Thirteen Southeast Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 53' 44.42" W84° 27' 50.23"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

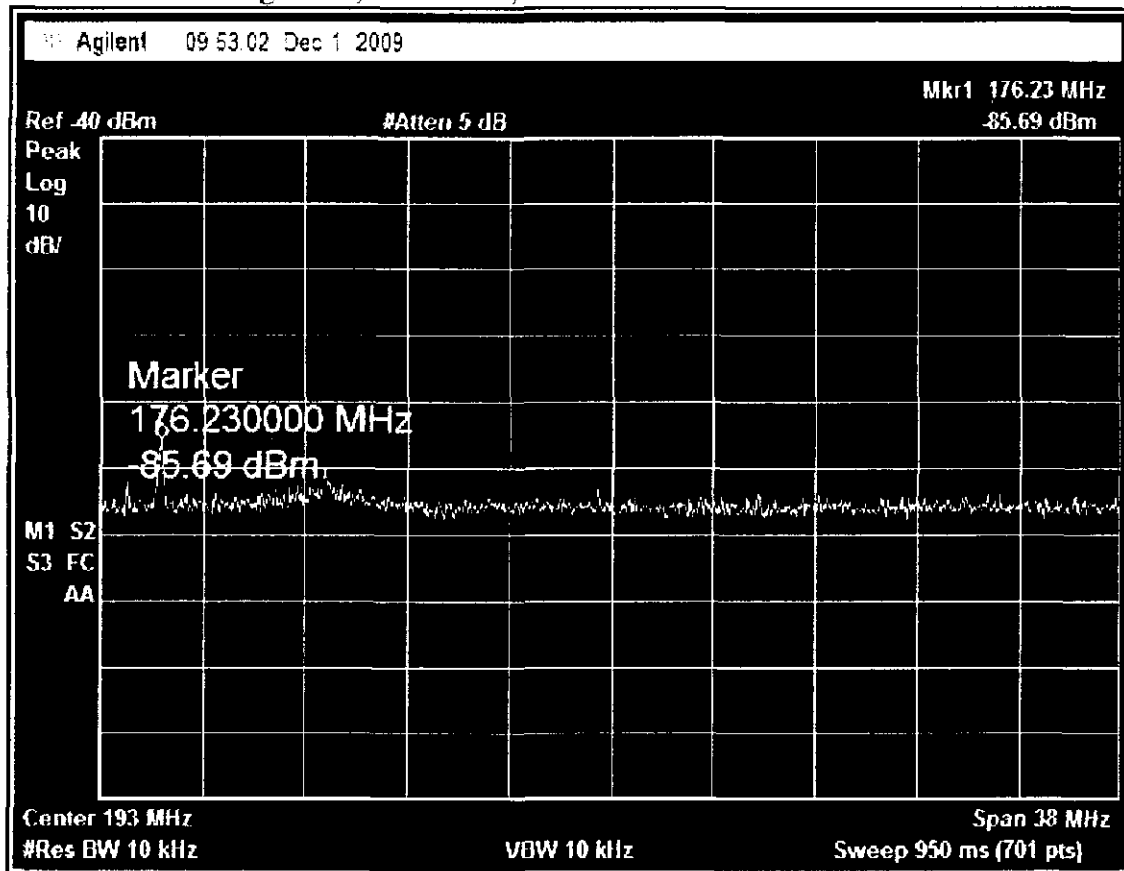
Azimuth: 0-360°

Figure 3.13-3 Spectrum Photographs

Test Point Thirteen Southeast Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 53' 44.42" W84° 27' 50.23"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

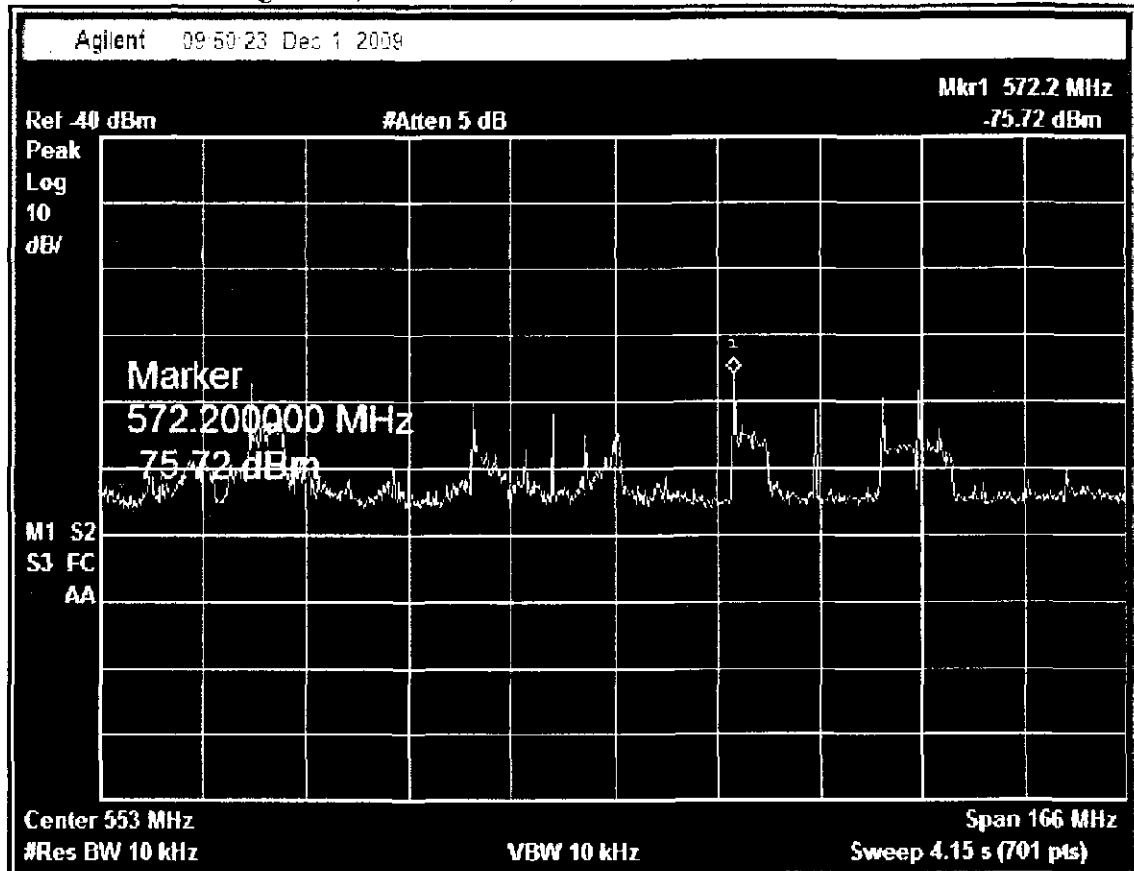
Azimuth: 0-360°

Figure 3.13-4 Spectrum Photographs

Test Point Thirteen Southeast Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 53' 44.42" W84° 27' 50.23"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
572.2	-75.72

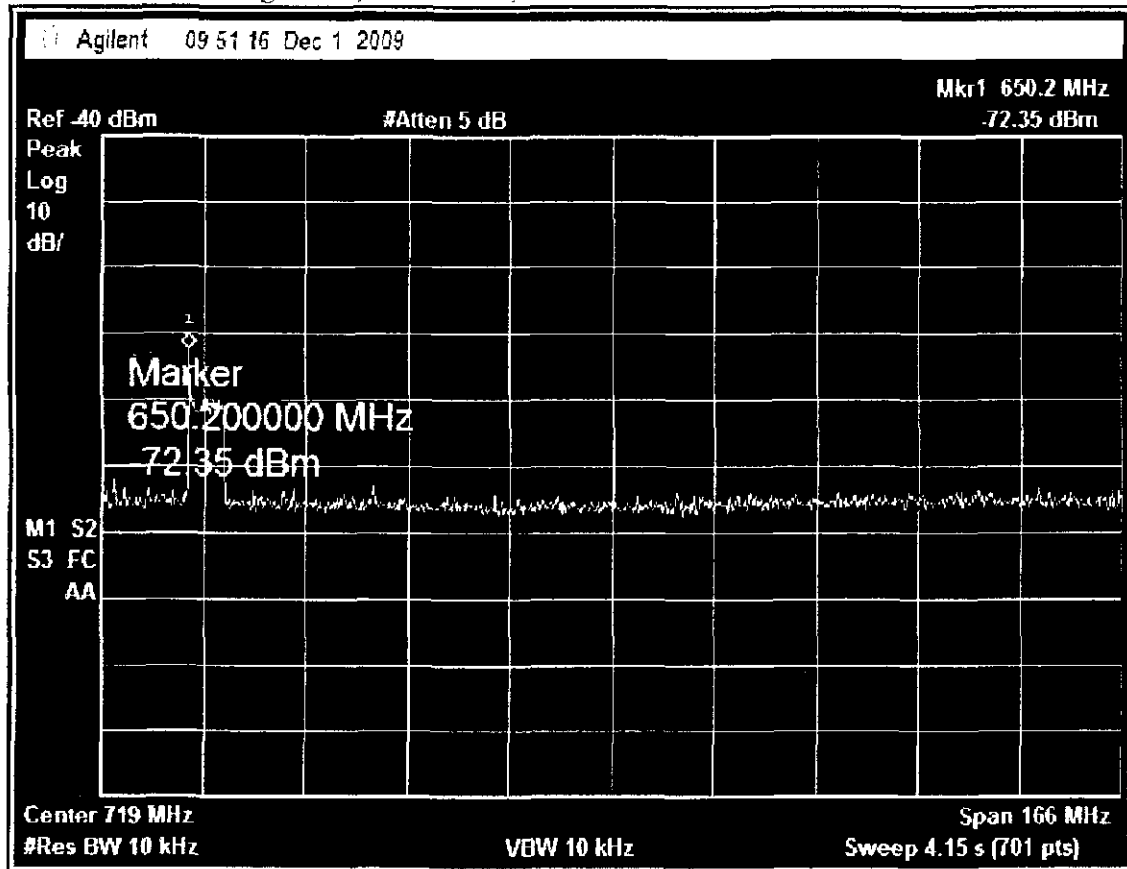
Azimuth: 0-360°

Figure 3.13-5 Spectrum Photographs

Test Point Thirteen Southeast Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 53' 44.42" W84° 27' 50.23"

UHF Band Channels 42-69

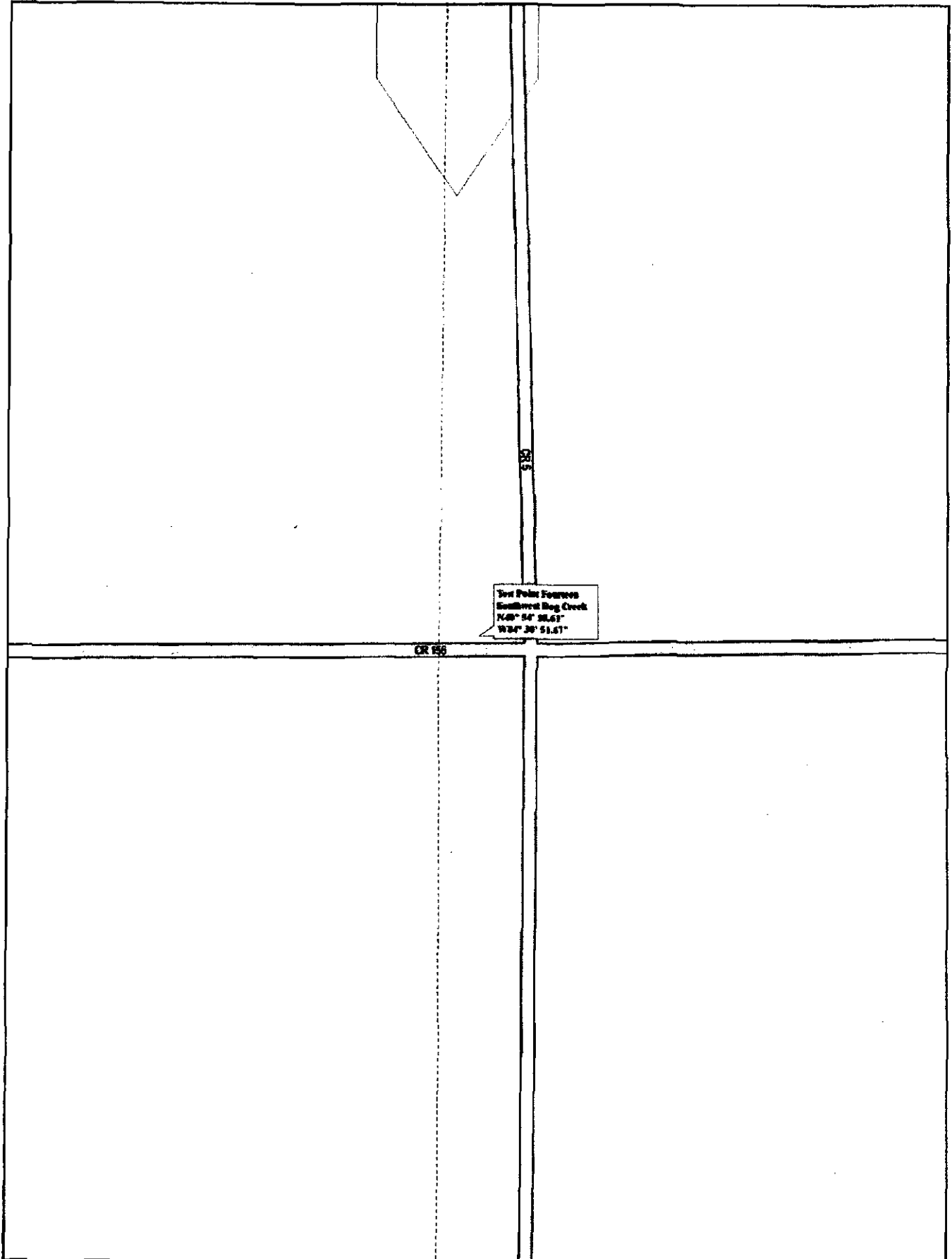
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-72.35

Azimuth: 0-360°

Figure 3.13-6 Spectrum Photographs



New Point Fourteen
Southwest Bog Creek
N 60° 54' 38.61"
W 34° 30' 51.61"

CR 155

The following images were scanned as received

Test Point Fourteen Southwest Dog Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

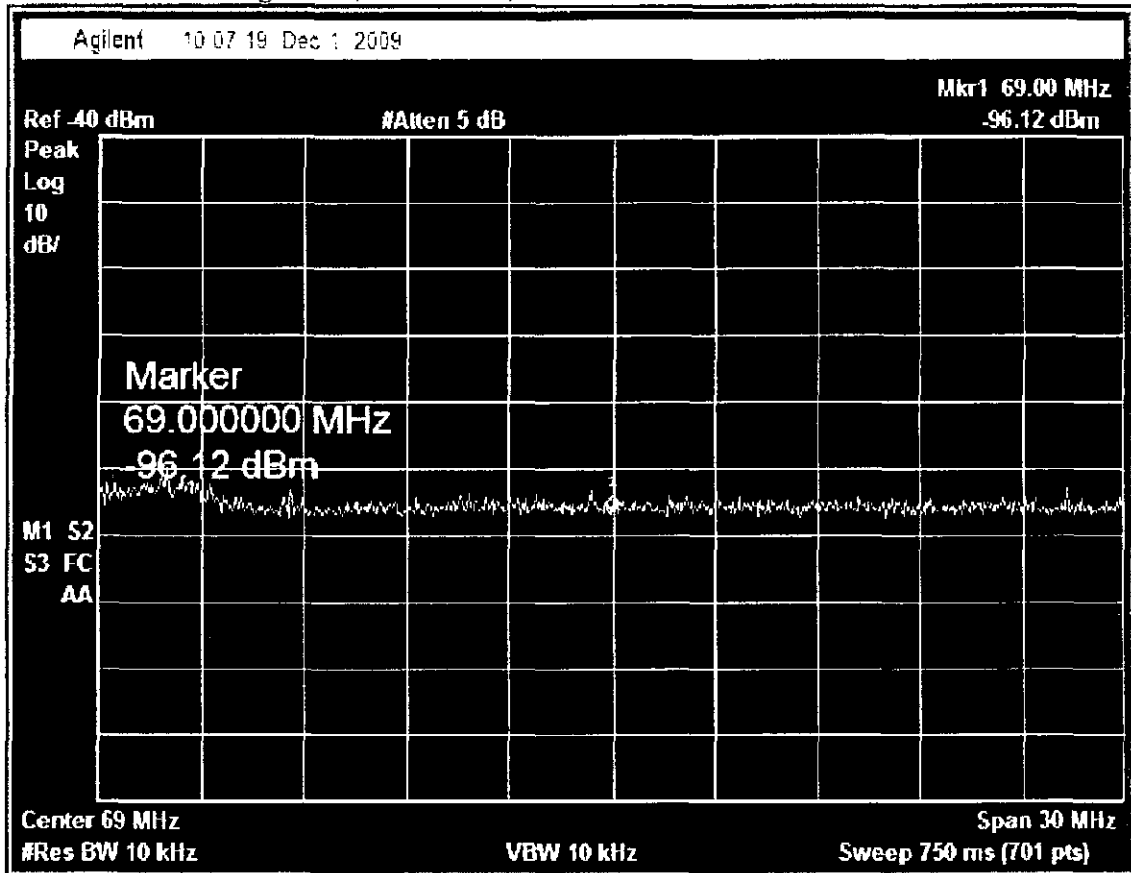


Figure 3.14-2 Site Photograph

Test Point Fourteen Southwest Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 54' 10.61" W84° 30' 51.67"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

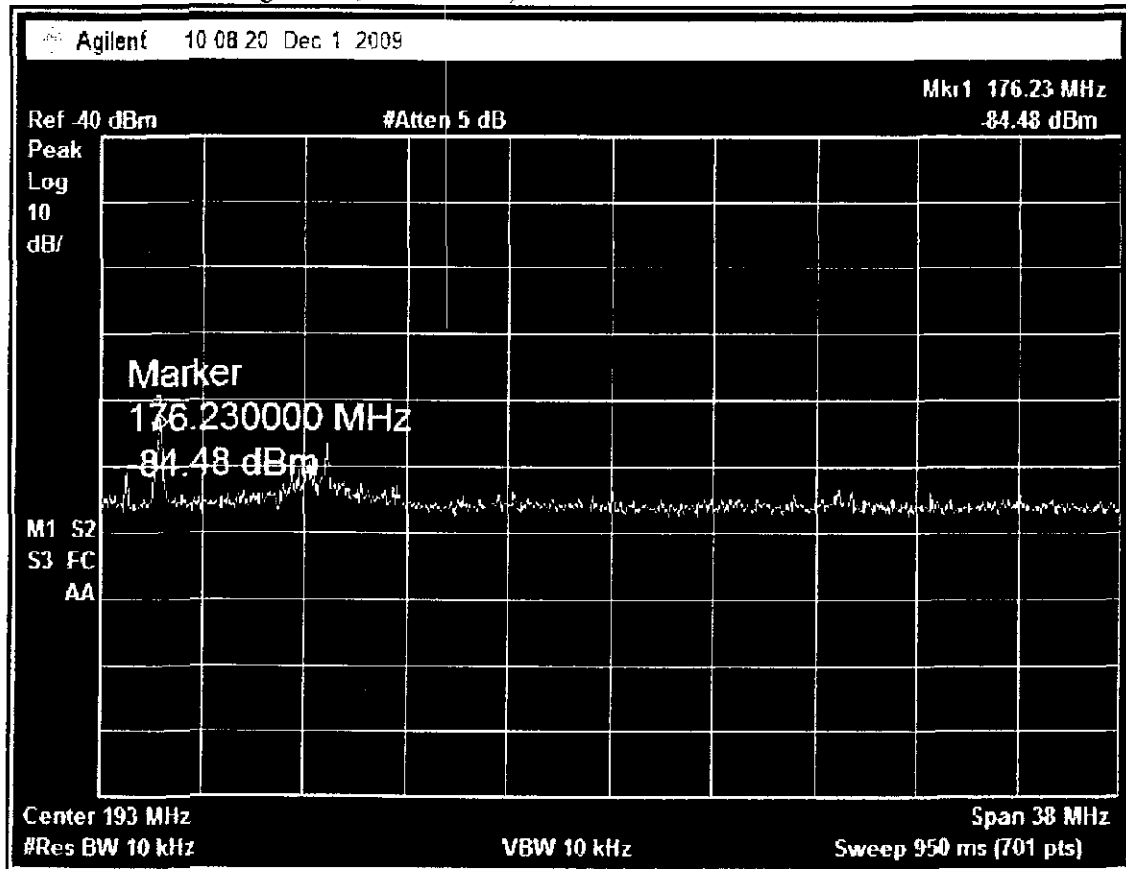
Azimuth: 0-360°

Figure 3.14-3 Spectrum Photographs

Test Point Fourteen Southwest Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 54' 10.61" W84° 30' 51.67"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

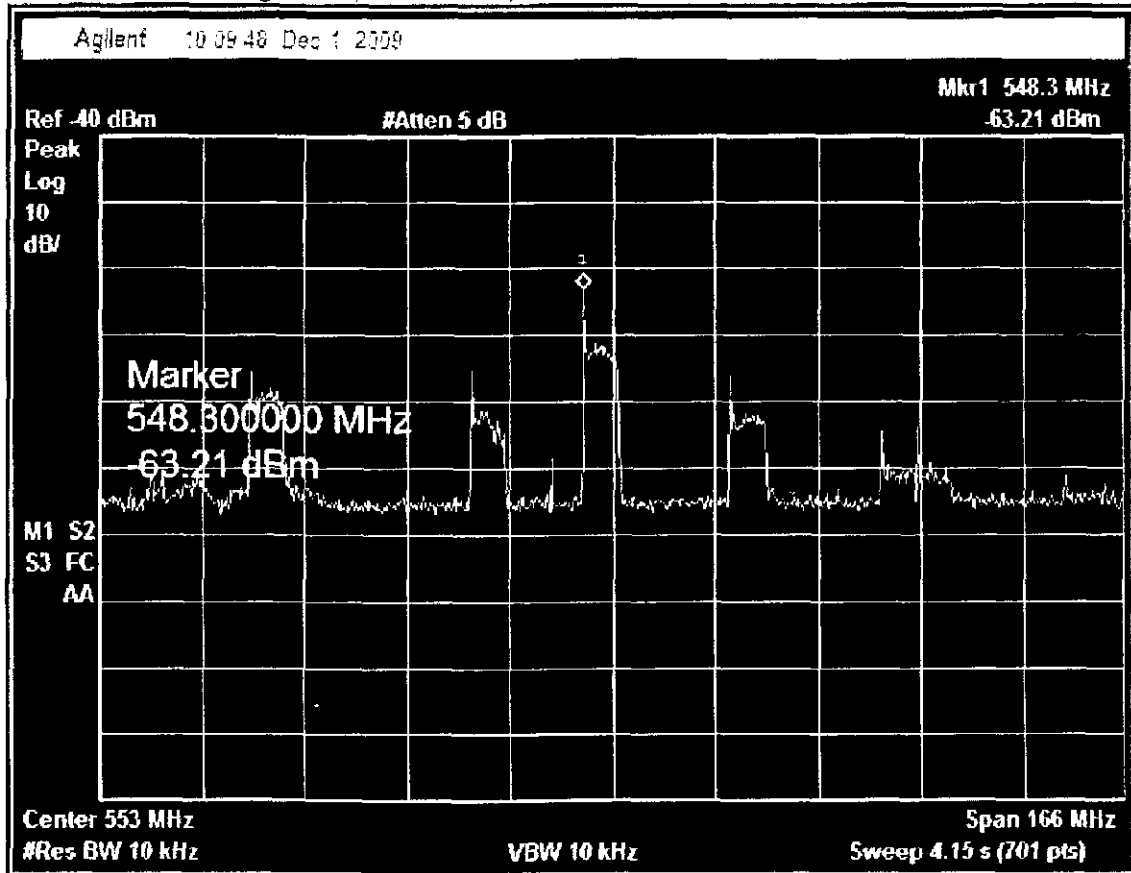
Azimuth: 0-360°

Figure 3.14-4 Spectrum Photographs

Test Point Fourteen Southwest Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 54' 10.61" W84° 30' 51.67"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
548.3	-63.21

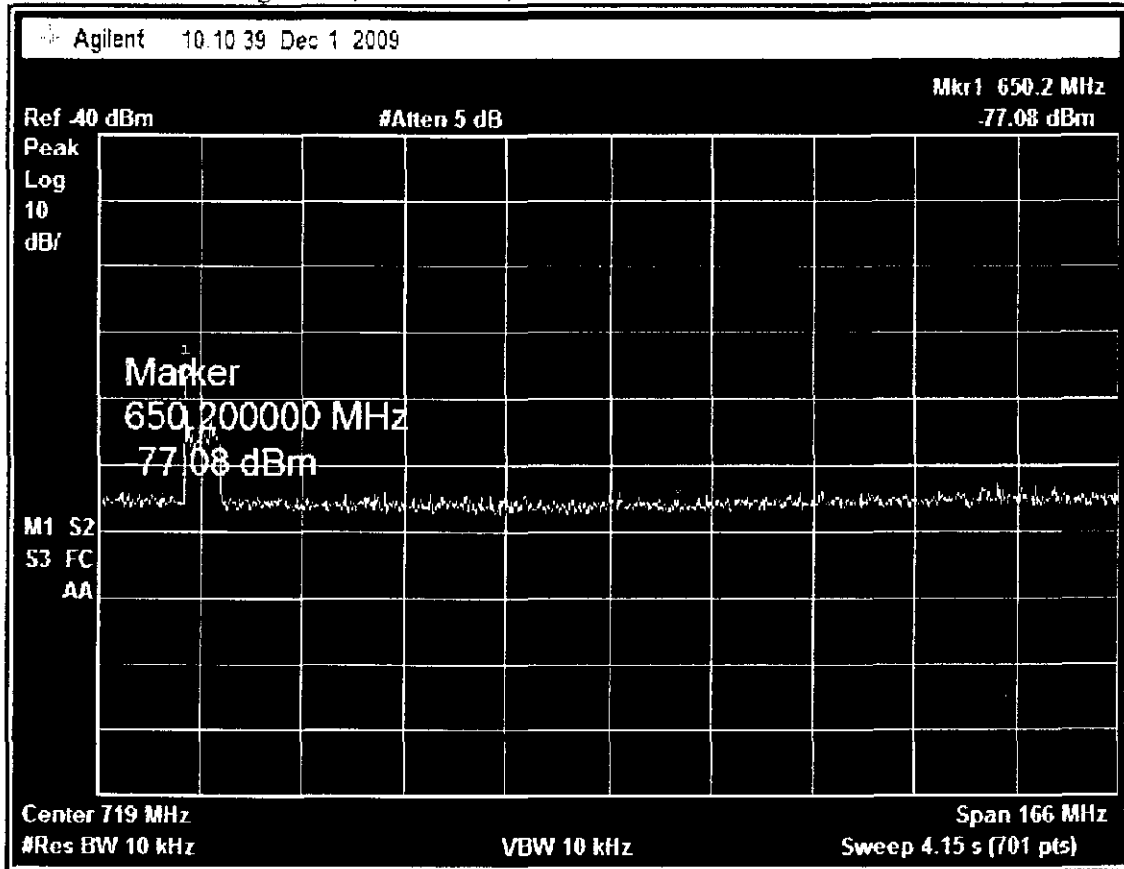
Azimuth: 0-360°

Figure 3.14-5 Spectrum Photographs

Test Point Fourteen Southwest Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 54' 10.61" W84° 30' 51.67"

UHF Band Channels 42-69

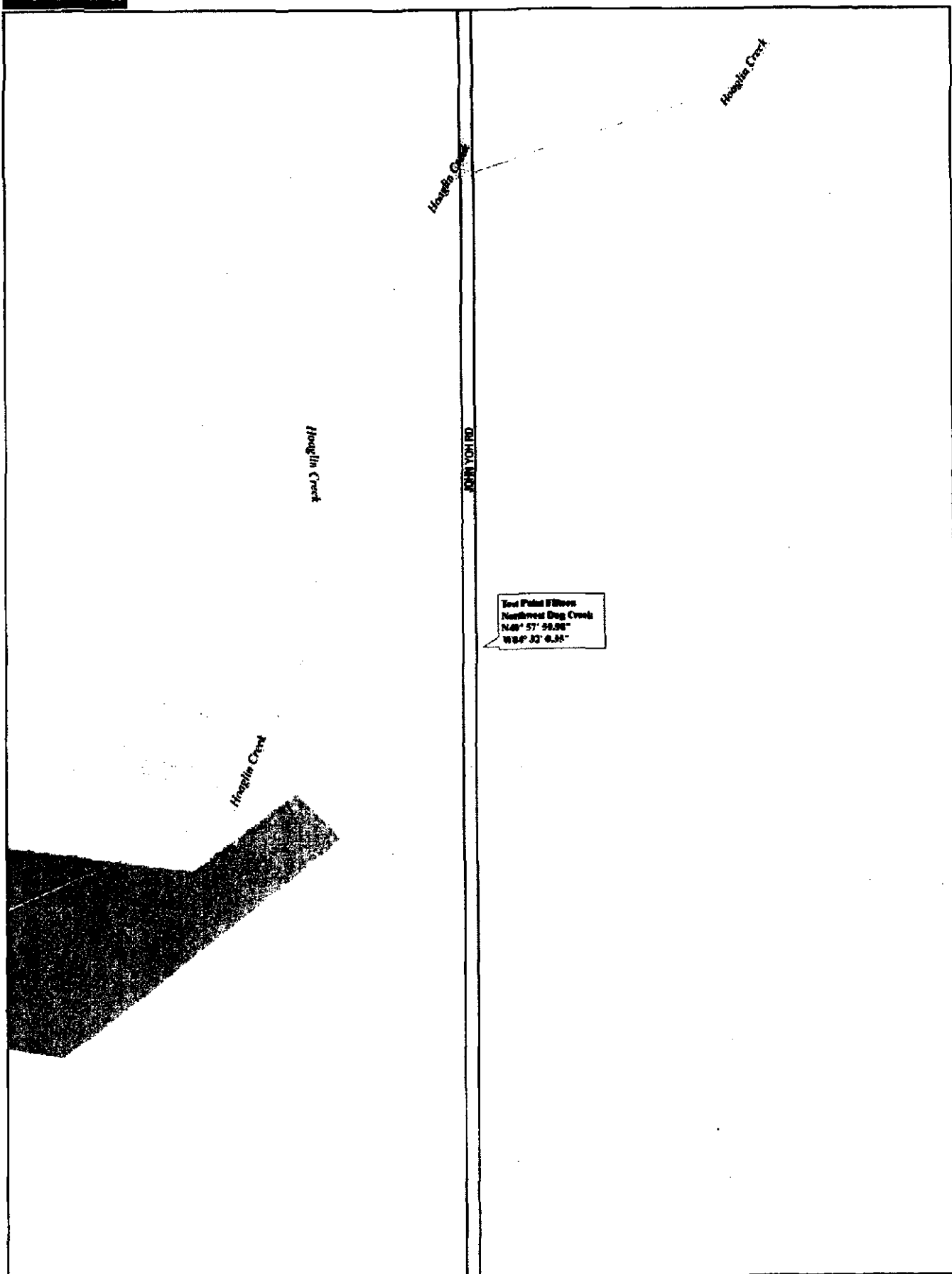
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-77.08

Azimuth: 0-360°

Figure 3.14-6 Spectrum Photographs



The following images were scanned as received

Test Point Fifteen Northwest Dog Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

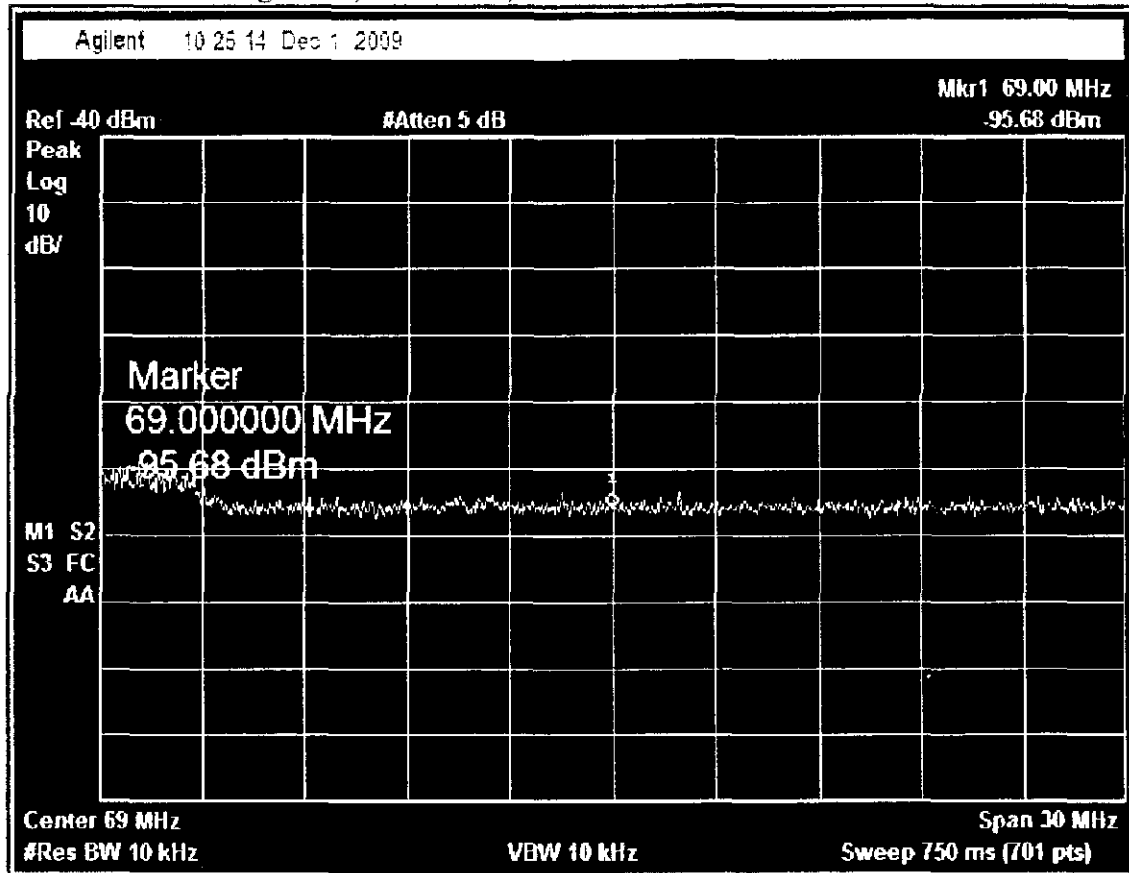


Figure 3.15-2 Site Photograph

Test Point Fifteen Northwest Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 57' 59.98" W84° 32' 0.35"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)
None noted

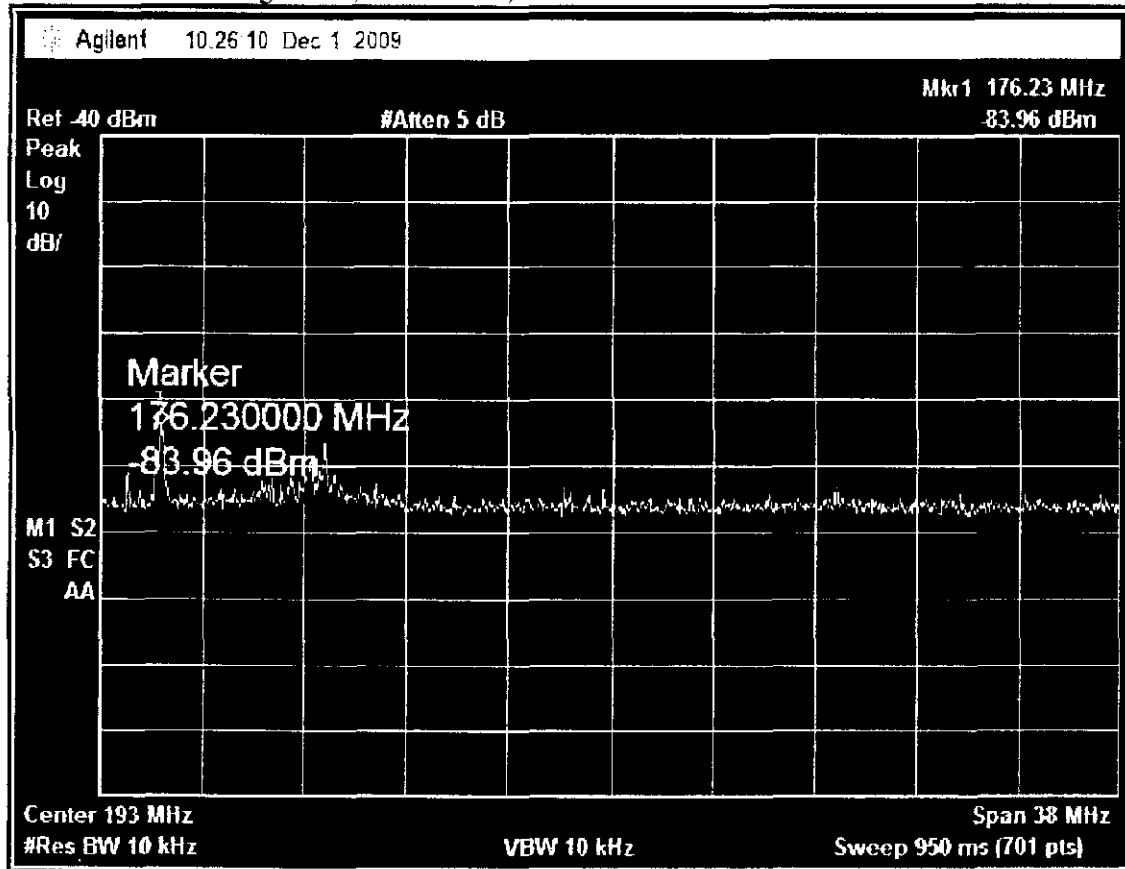
Azimuth: 0-360°

Figure 3.15-3 Spectrum Photographs

Test Point Fifteen Northwest Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 57' 59.98" W84° 32' 0.35"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

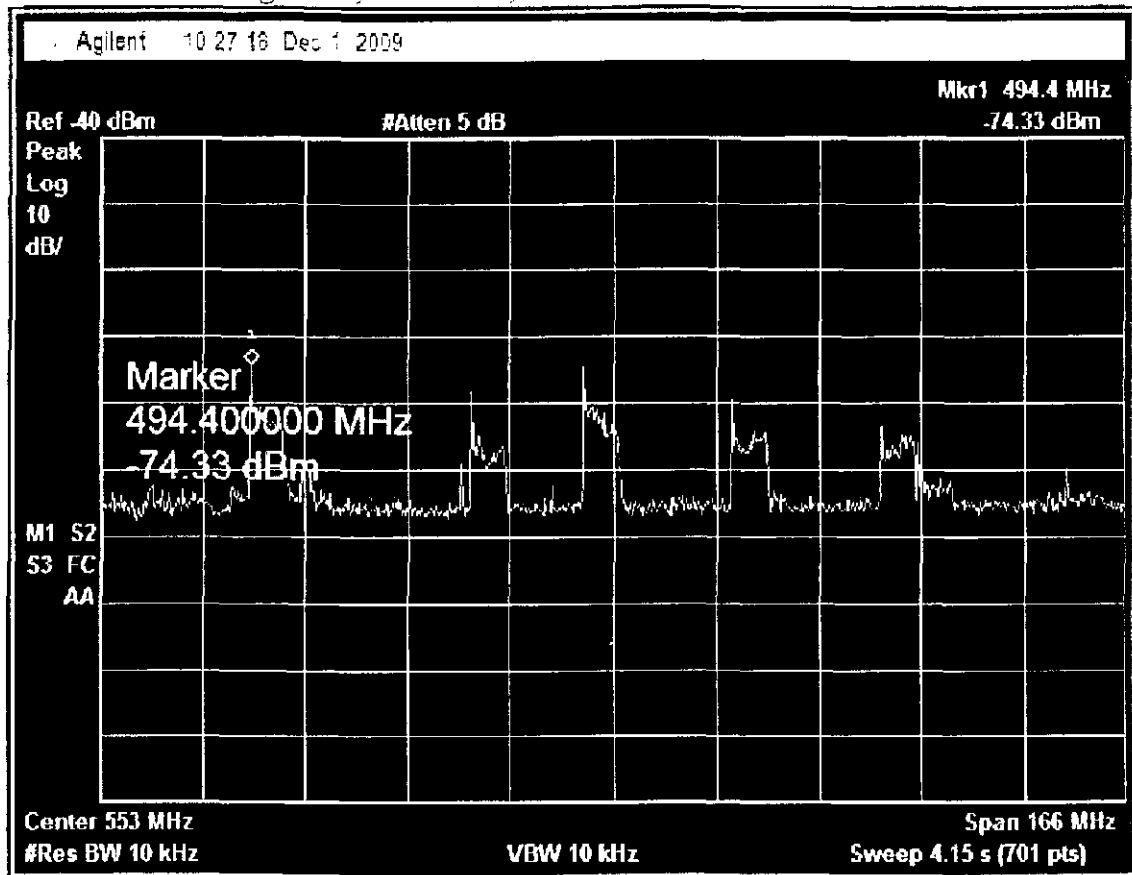
Azimuth: 0-360°

Figure 3.15-4 Spectrum Photographs

Test Point Fifteen Northwest Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 57' 59.98" W84° 32' 0.35"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
494.4	-74.33

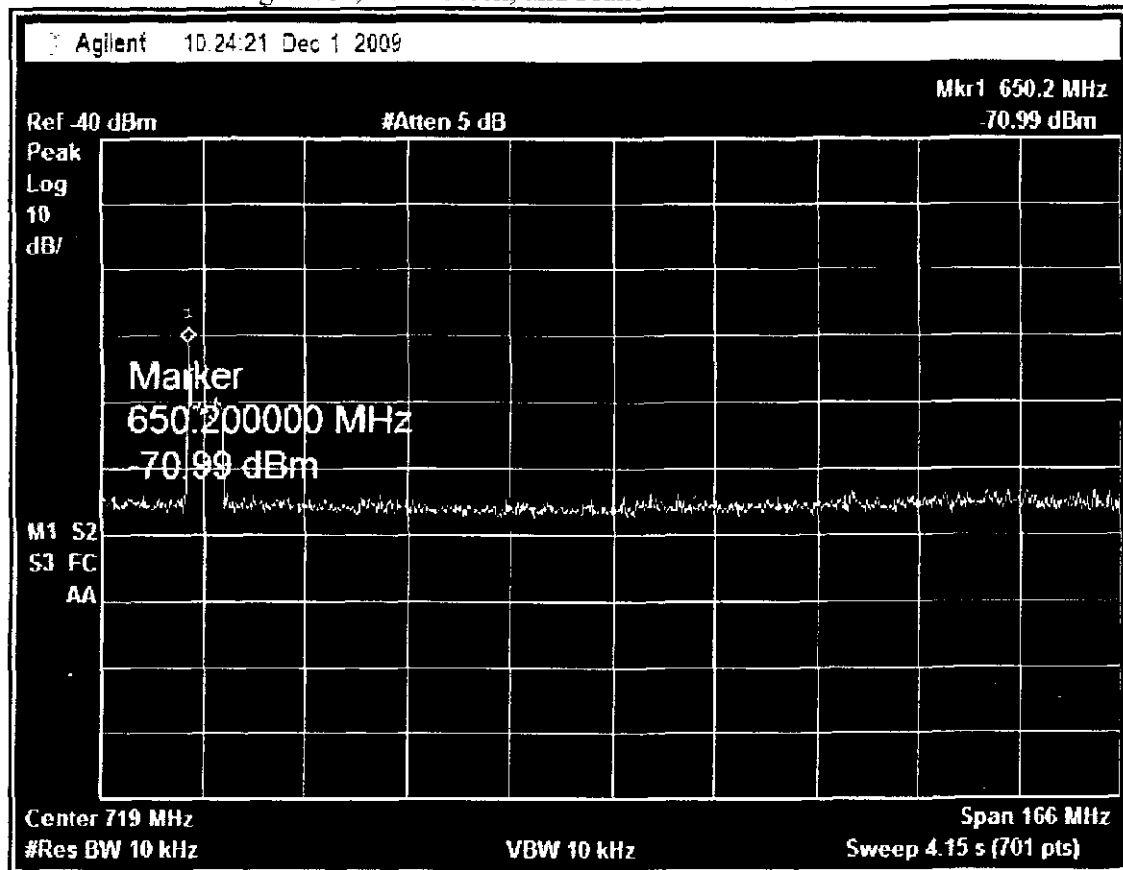
Azimuth: 0-360°

Figure 3.15-5 Spectrum Photographs

Test Point Fifteen Northwest Dog Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N40° 57' 59.98" W84° 32' 0.35"

UHF Band Channels 42-69

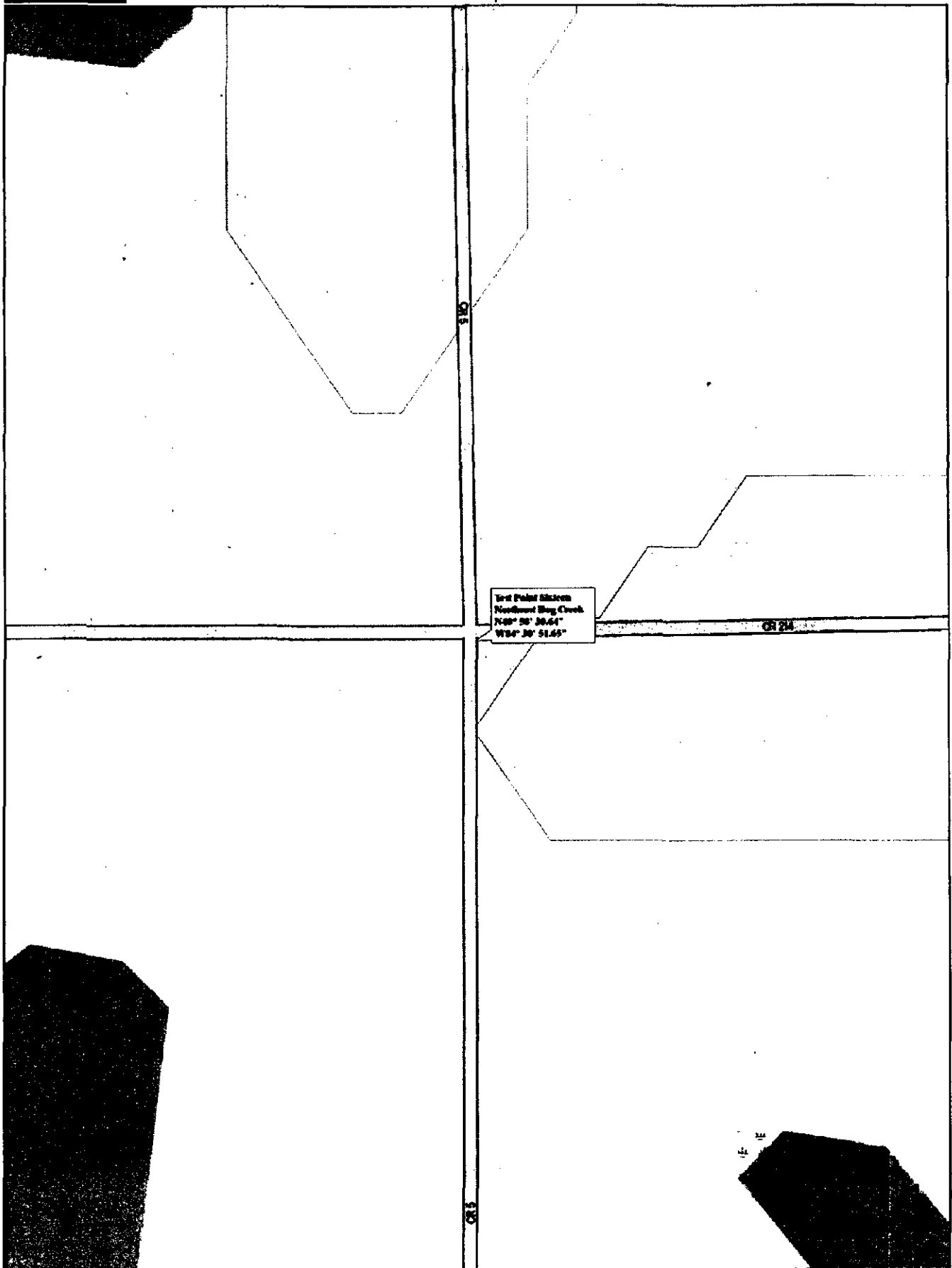
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-70.99

Azimuth: 0-360°

Figure 3.15-6 Spectrum Photographs



The following images were scanned as received

Test Point Sixteen Northeast Dog Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

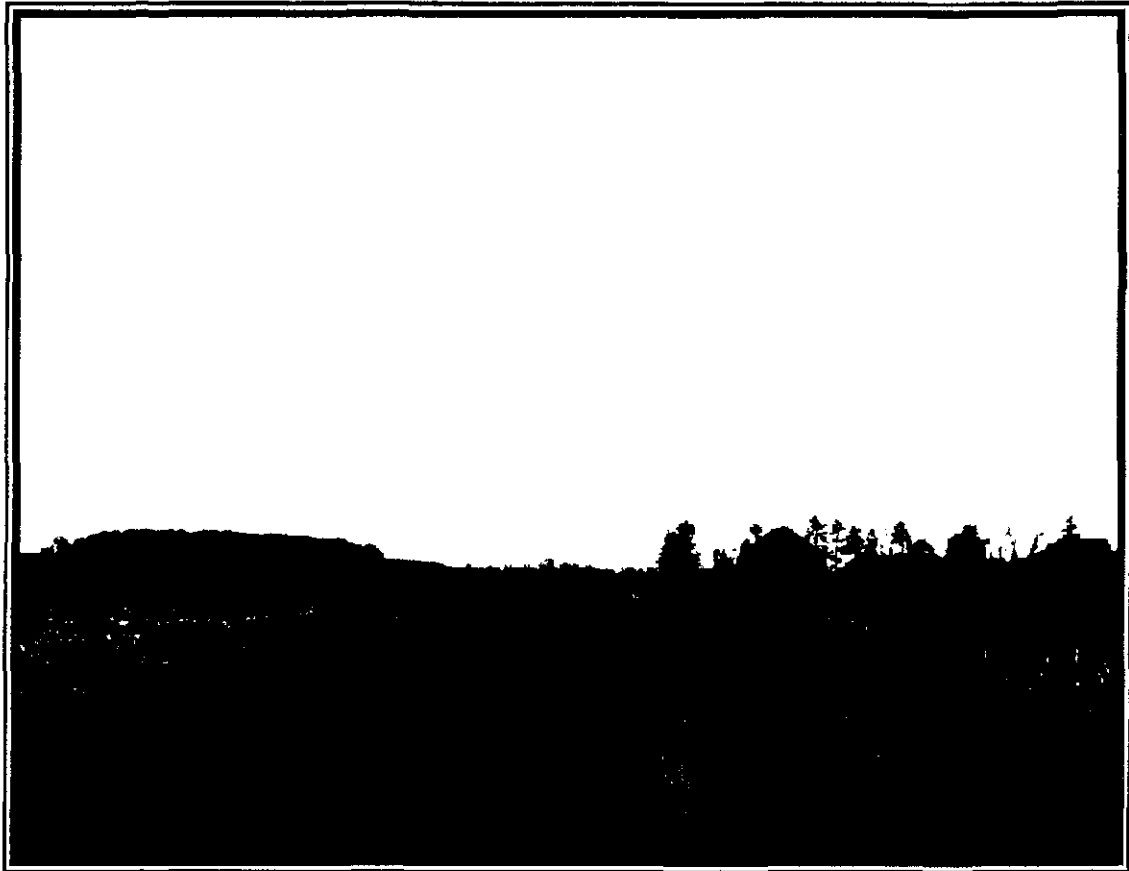
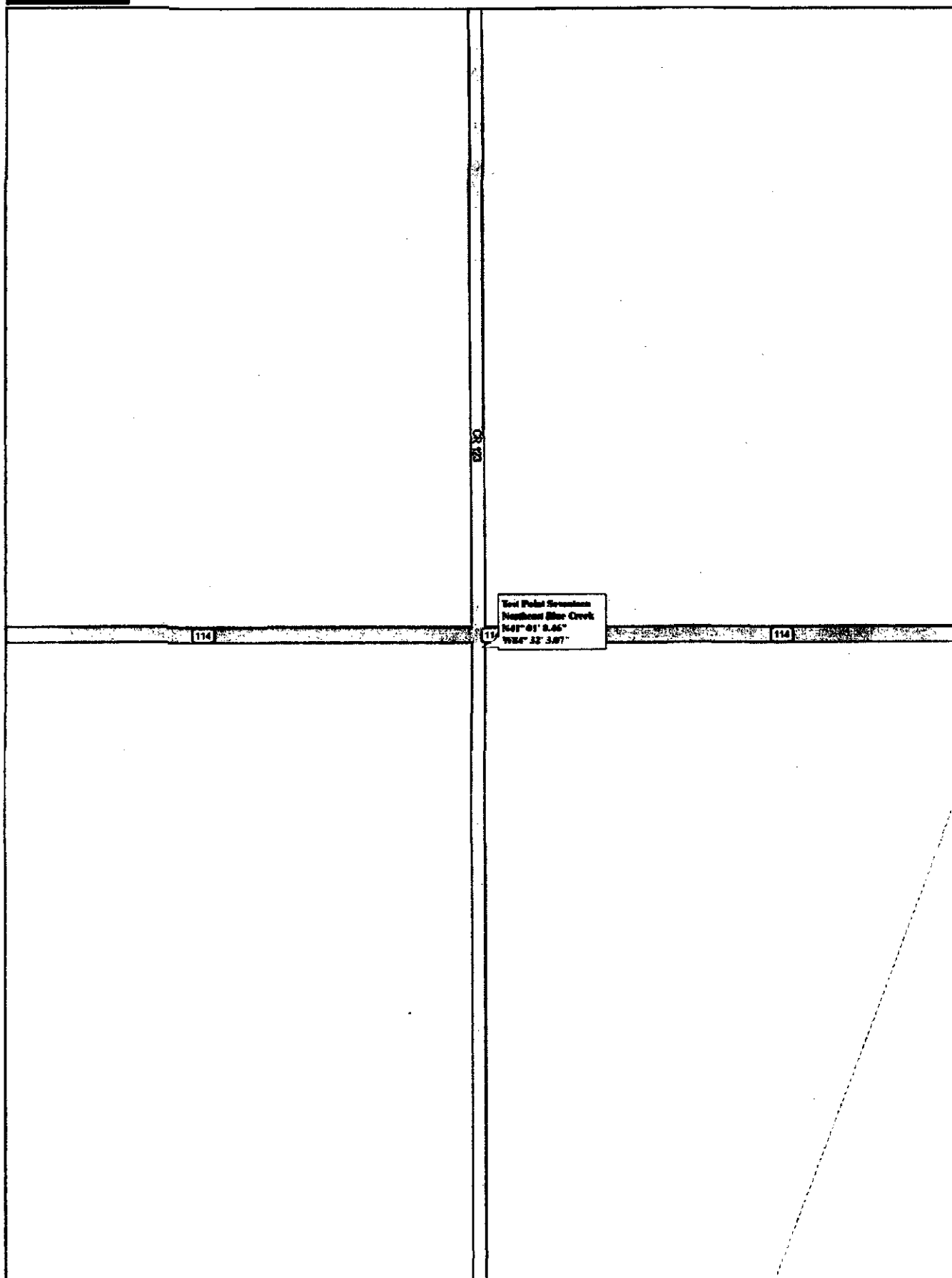


Figure 3.16-2 Site Photograph



The following images were scanned as received

Test Point Seventeen Northeast Blue Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

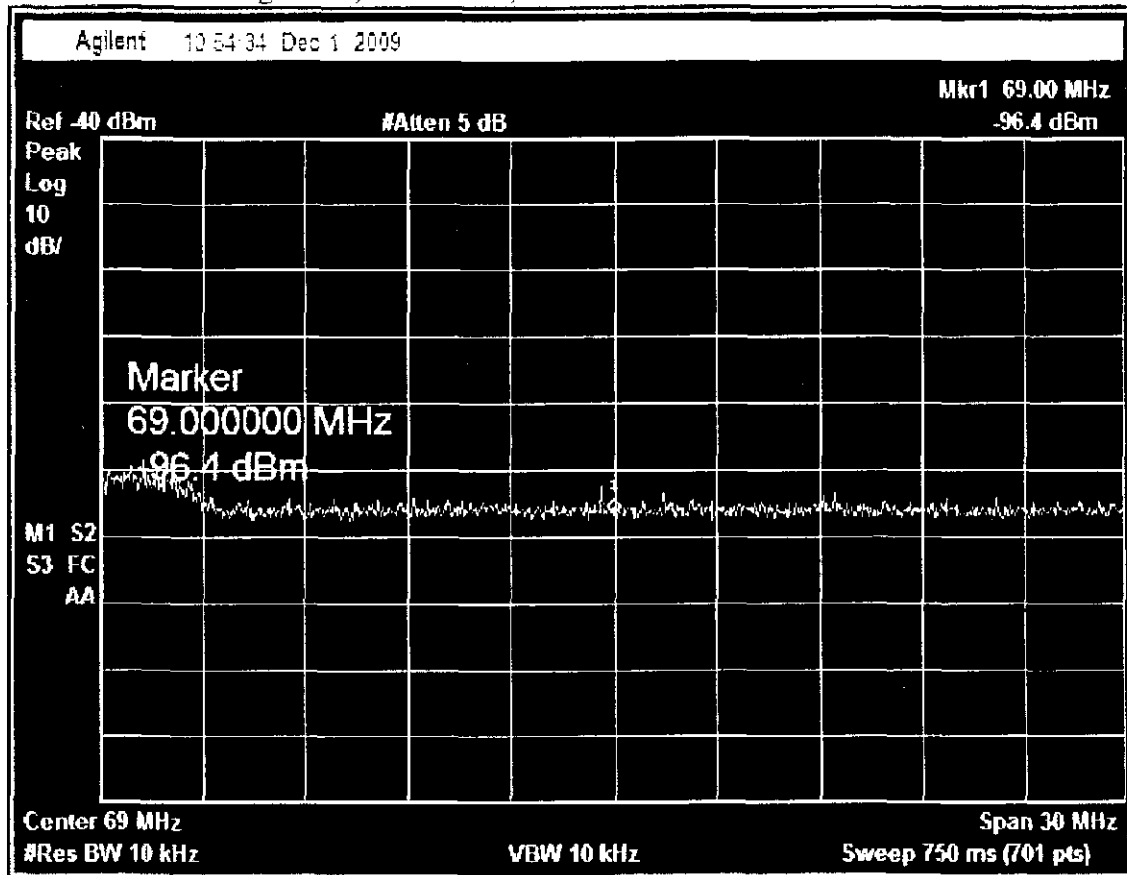


Figure 3.17-2 Site Photograph

Test Point Seventeen Northeast Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 01' 8.46" W84° 32' 3.07"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

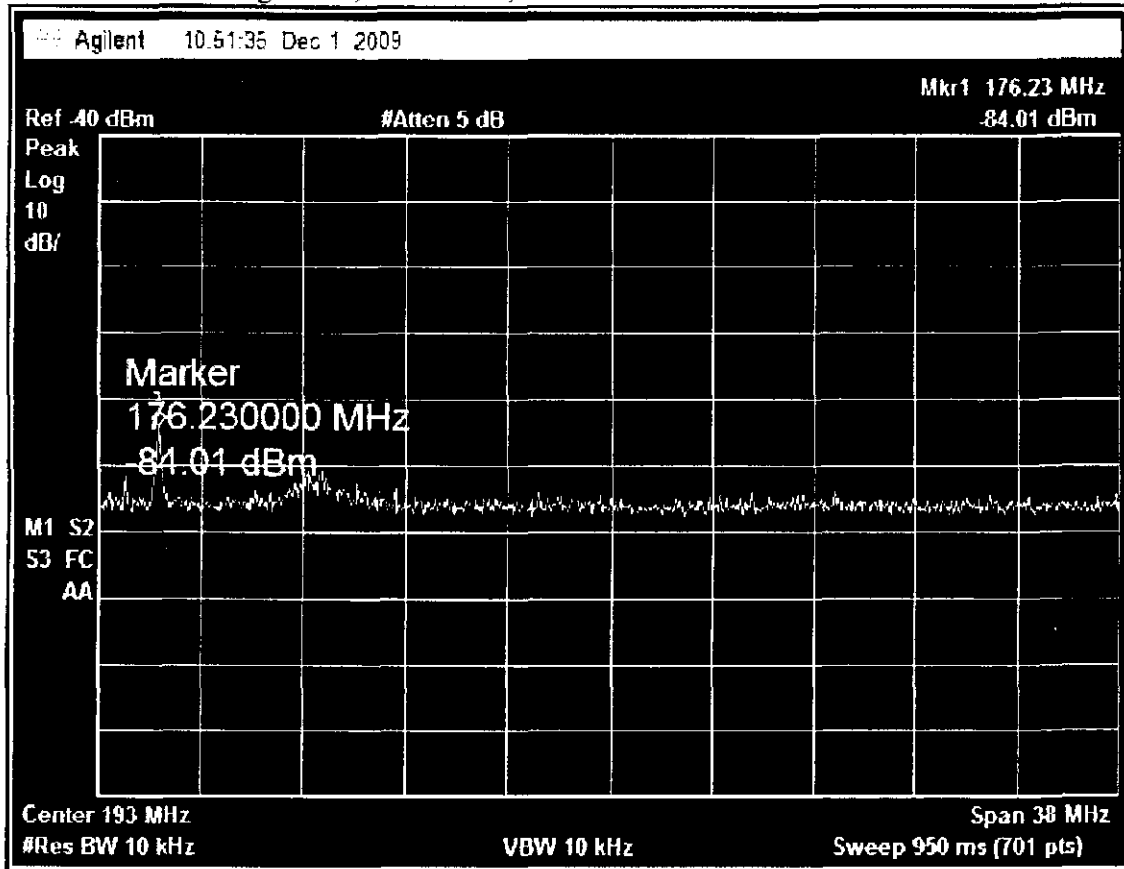
Azimuth: 0-360°

Figure 3.17-3 Spectrum Photographs

Test Point Seventeen Northeast Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 01' 8.46" W84° 32' 3.07"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

Azimuth: 0-360°

Figure 3.17-4 Spectrum Photographs

Test Point Seventeen Northeast Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 01' 8.46" W84° 32' 3.07"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)
572.2 -76.47

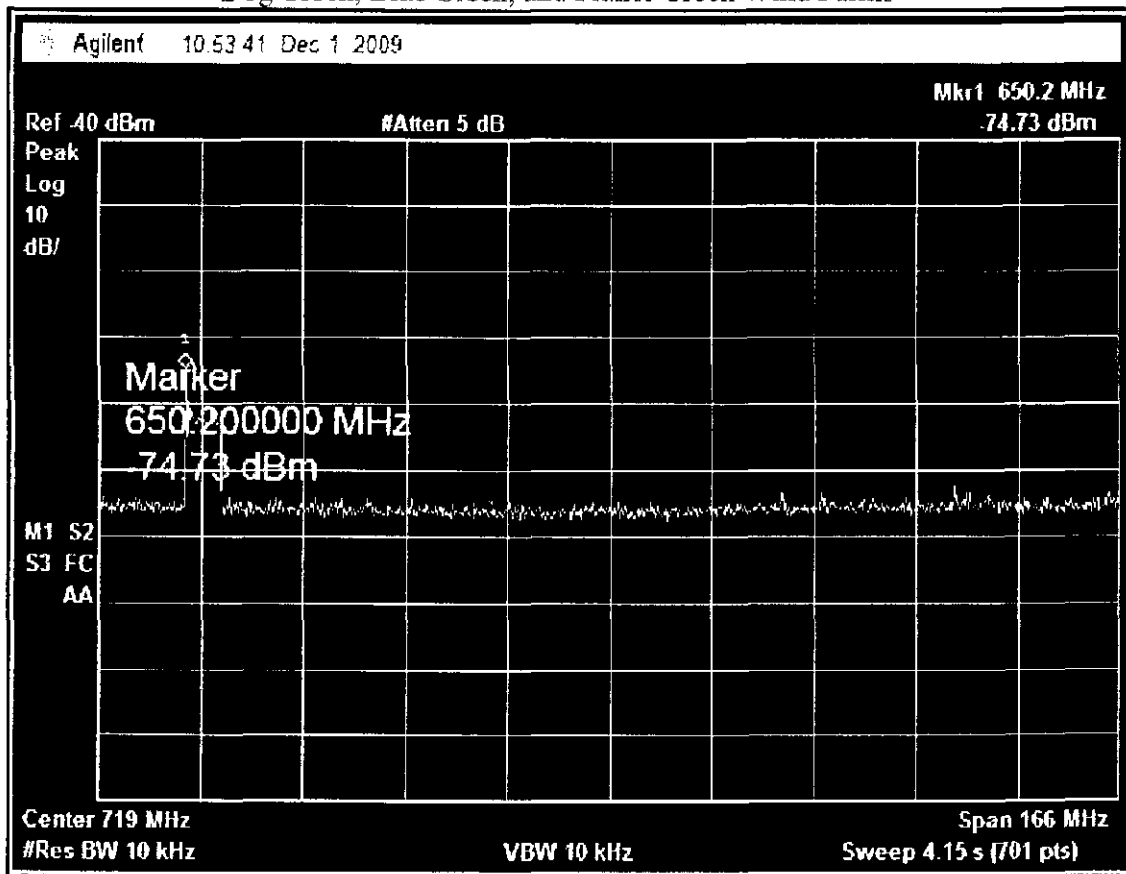
Azimuth: 0-360°

Figure 3.17-5 Spectrum Photographs

Test Point Seventeen Northeast Blue Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 01' 8.46" W84° 32' 3.07"

UHF Band Channels 42-69

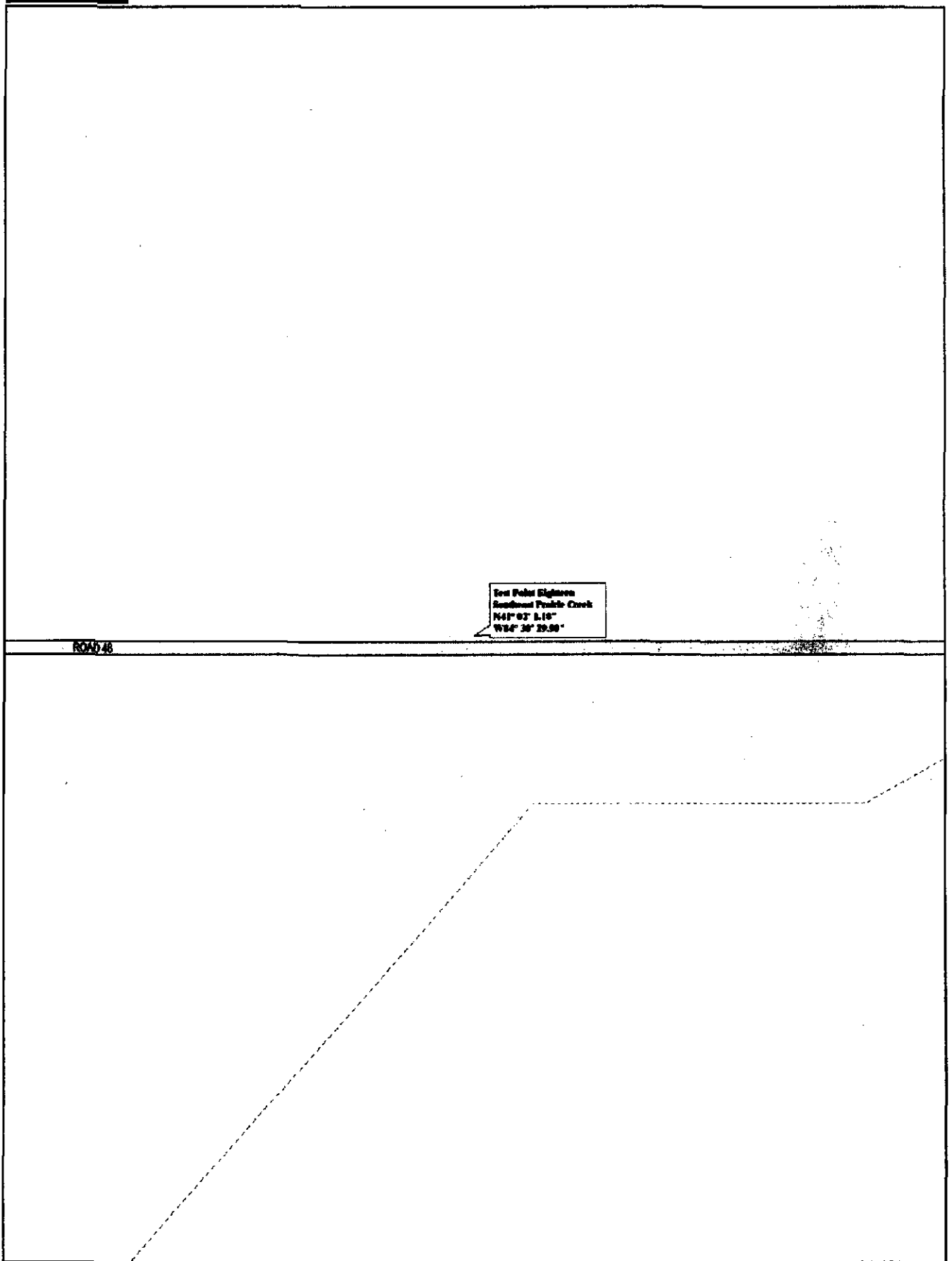
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-74.73

Azimuth: 0-360°

Figure 3.17-6 Spectrum Photographs



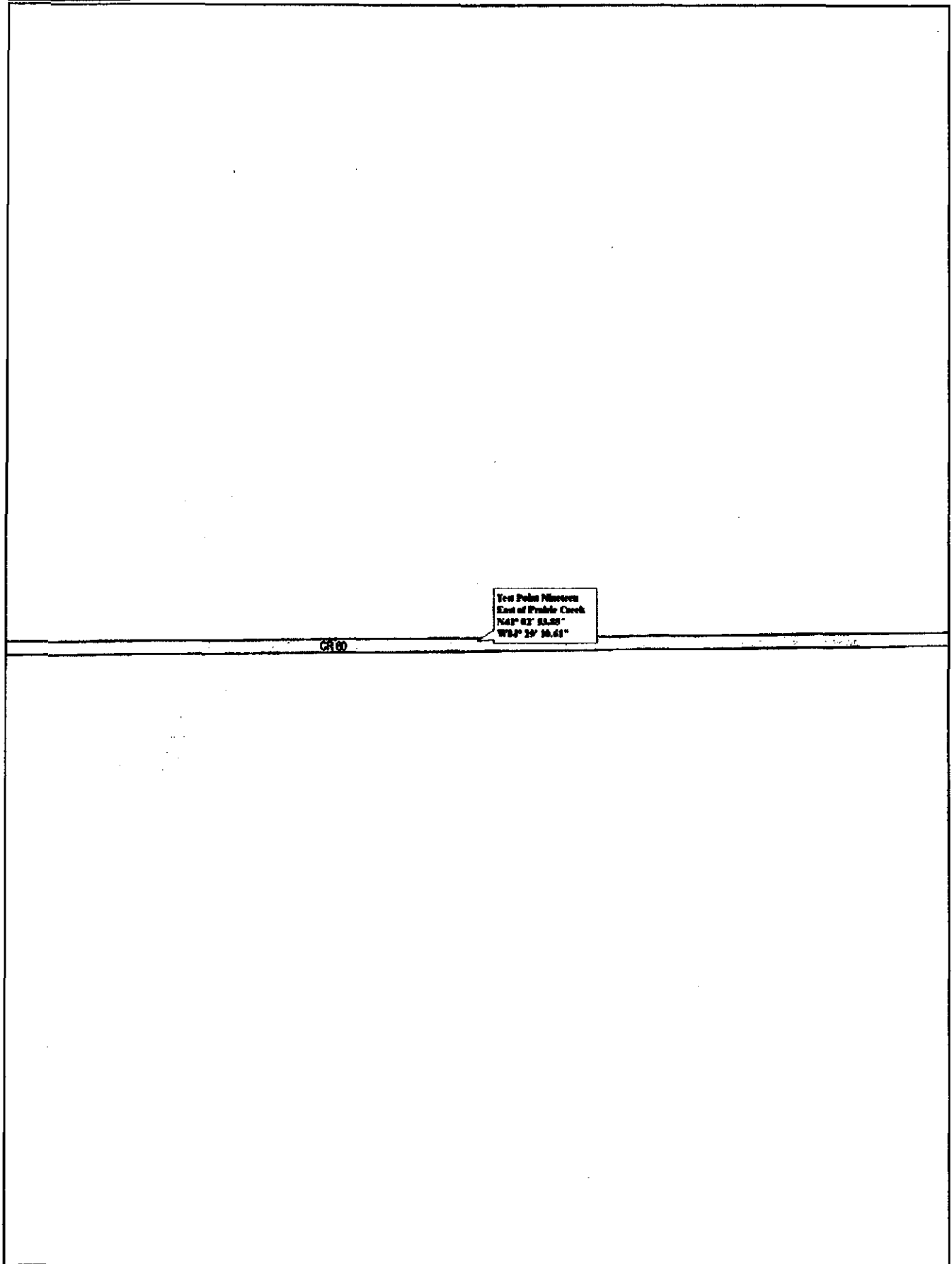
The following images were scanned as received

Test Point Eighteen Southeast Prairie Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



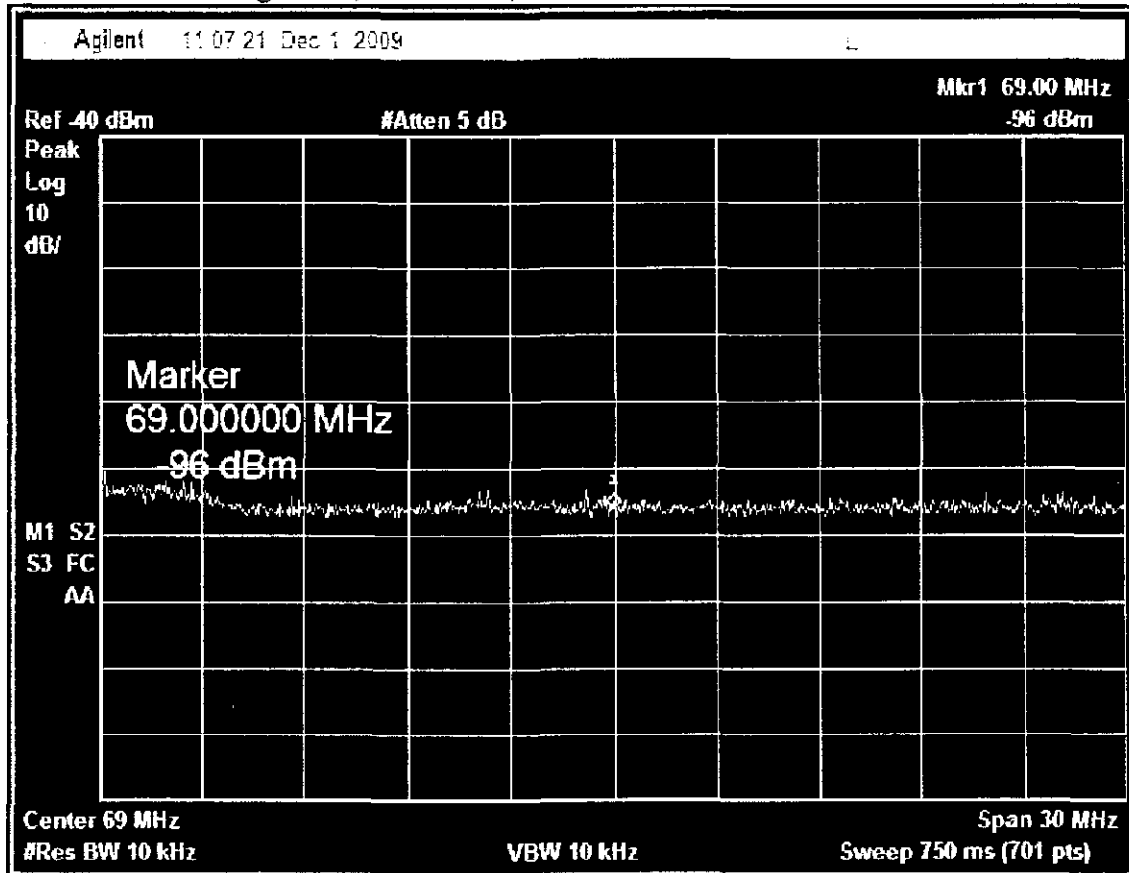
Figure 3.18-2 Site Photograph



Test Point Eighteen Southeast Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 1.18" W84° 30' 29.90"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

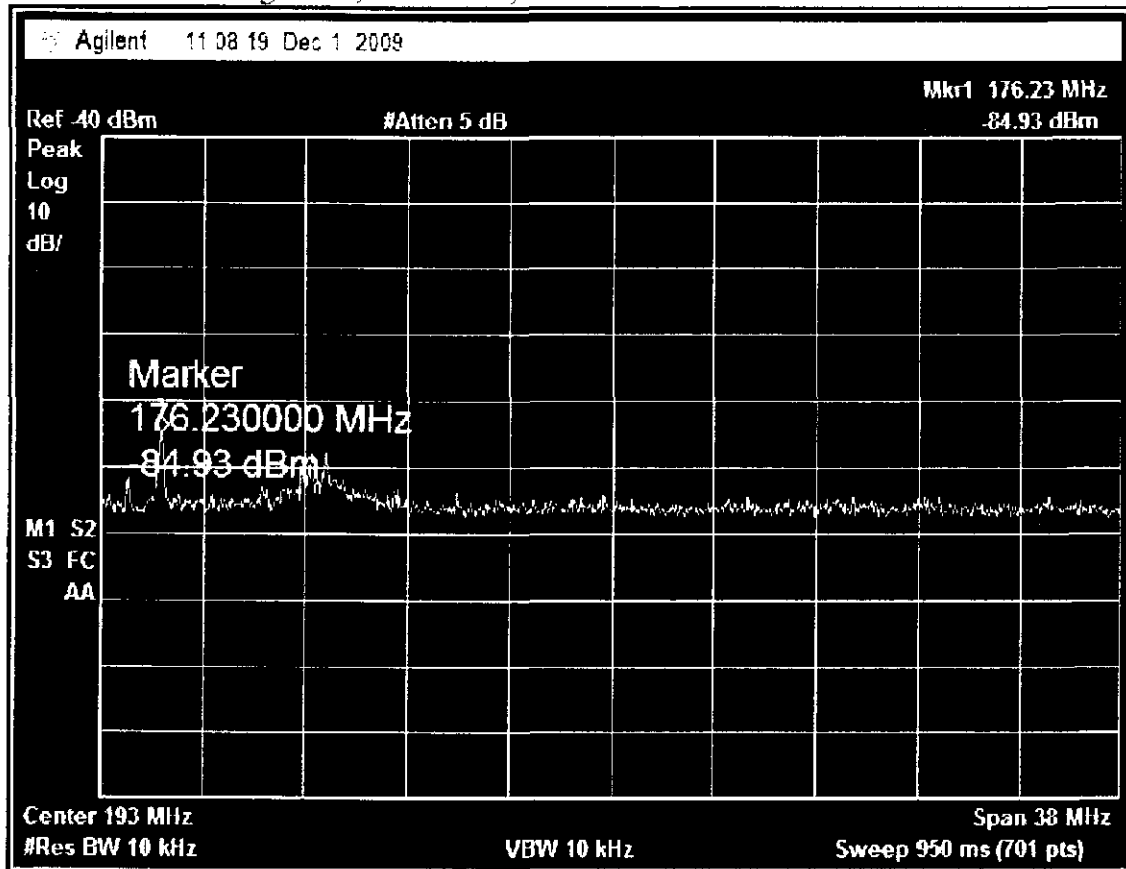
Azimuth: 0-360°

Figure 3.18-3 Spectrum Photographs

Test Point Eighteen Southeast Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 1.18" W84° 30' 29.90"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

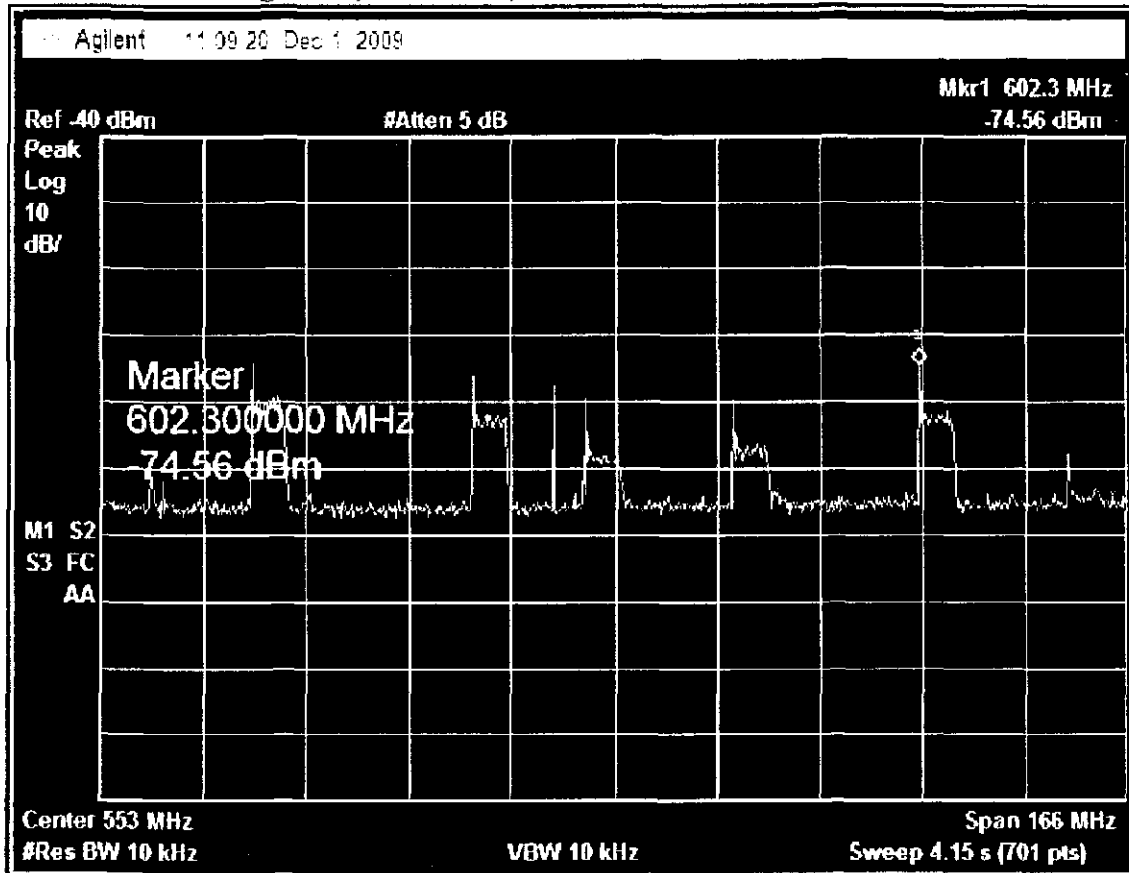
Azimuth: 0-360°

Figure 3.18-4 Spectrum Photographs

Test Point Eighteen Southeast Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 1.18" W84° 30' 29.90"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
602.3	-74.56

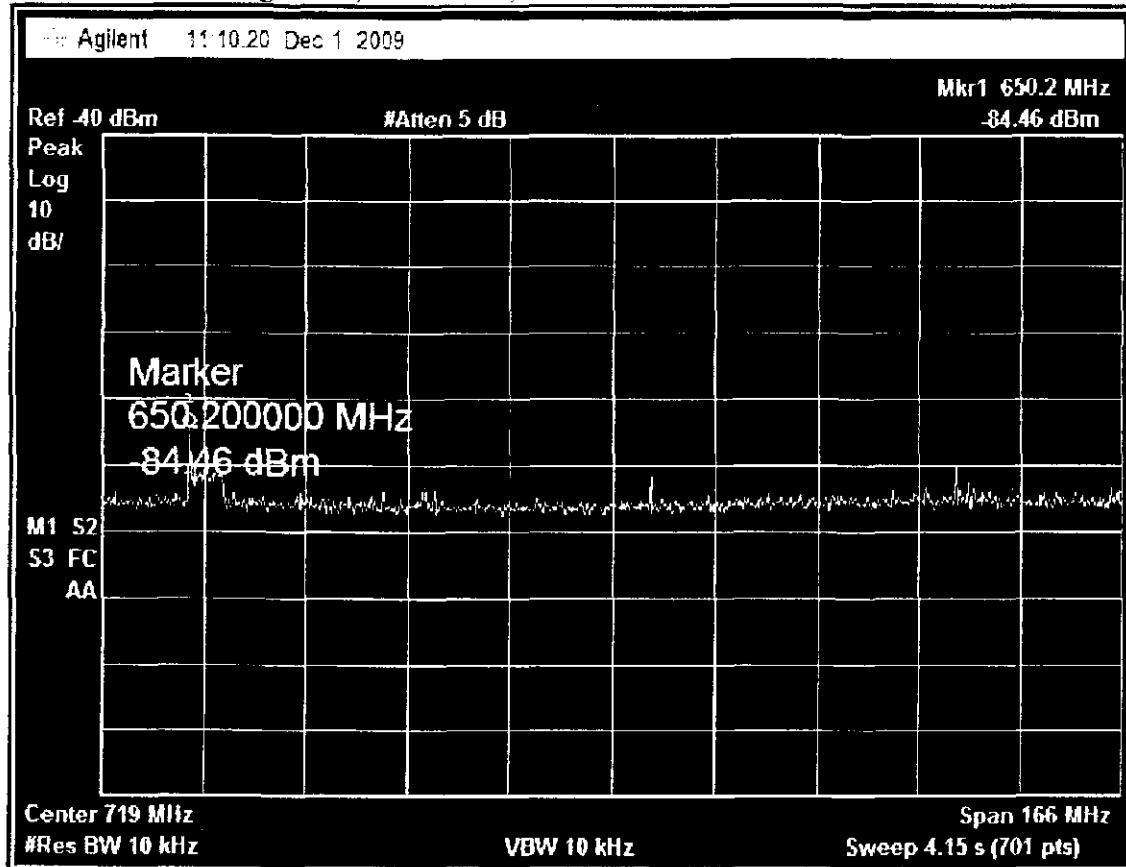
Azimuth: 0-360°

Figure 3.18-5 Spectrum Photographs

Test Point Eighteen Southeast Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 1.18" W84° 30' 29.90"

UHF Band Channels 42-69

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-84.46

Azimuth: 0-360°

Figure 3.18-6 Spectrum Photographs

Test Point Nineteen East of Prairie Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms

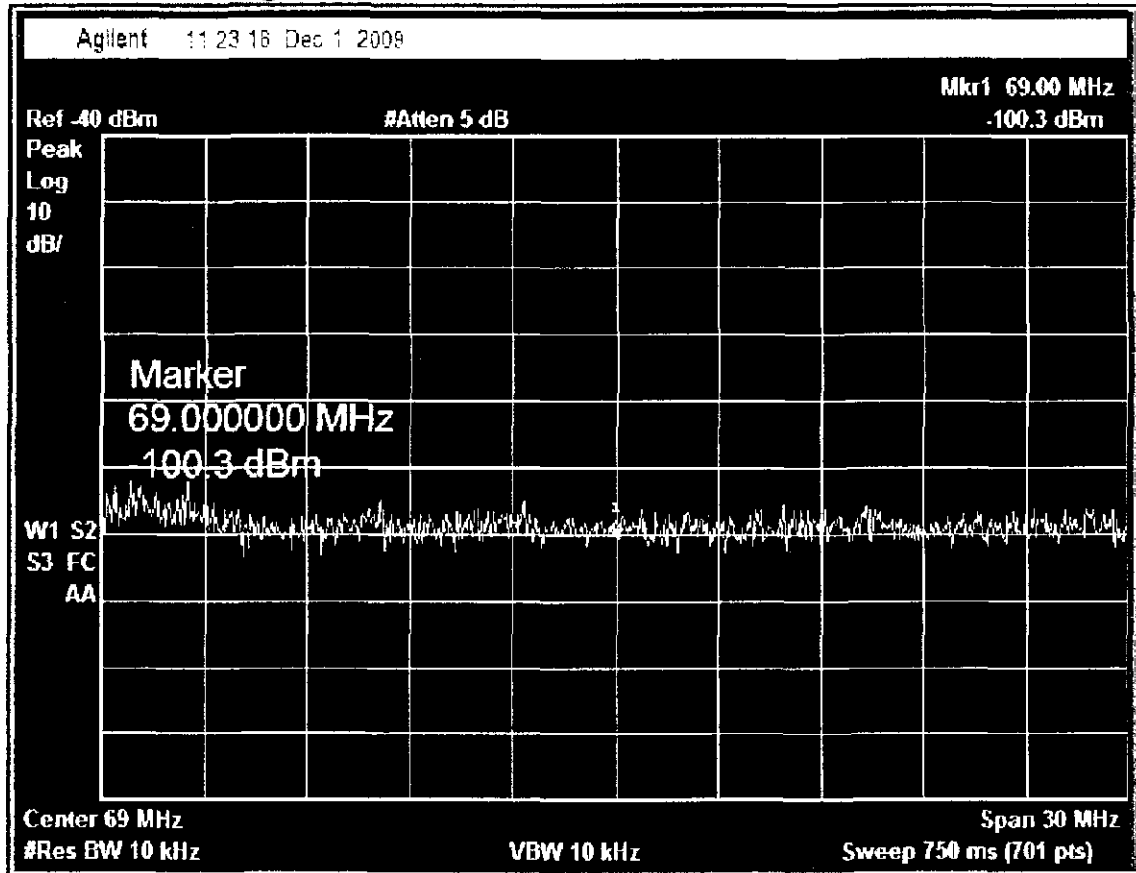


Figure 3.19-2 Site Photograph

Test Point Nineteen East of Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009
Antenna Polarization: Horizontal
Antenna Centerline: 6 Feet
Coordinates: N41° 02' 53.85" W84° 29' 10.61"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)
None noted

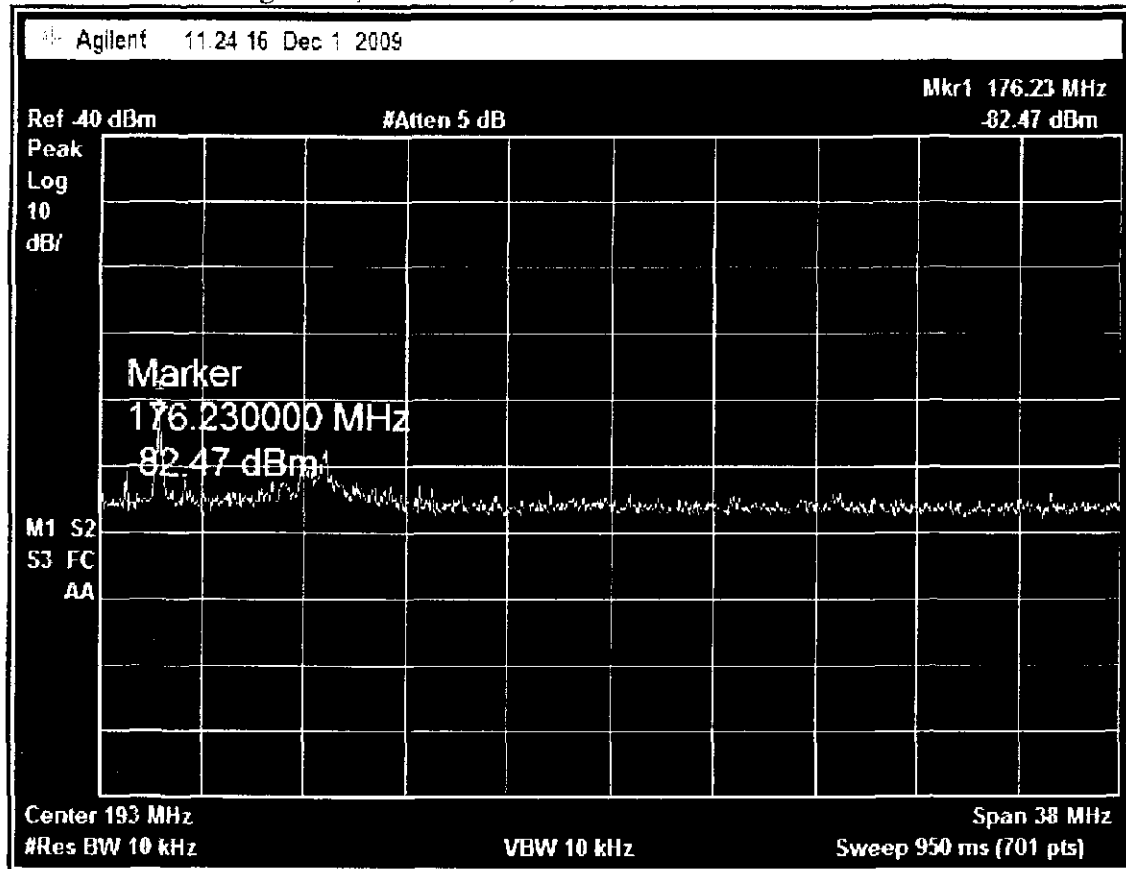
Azimuth: 0-360°

Figure 3.19-3 Spectrum Photographs

Test Point Nineteen East of Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 53.85" W84° 29' 10.61"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

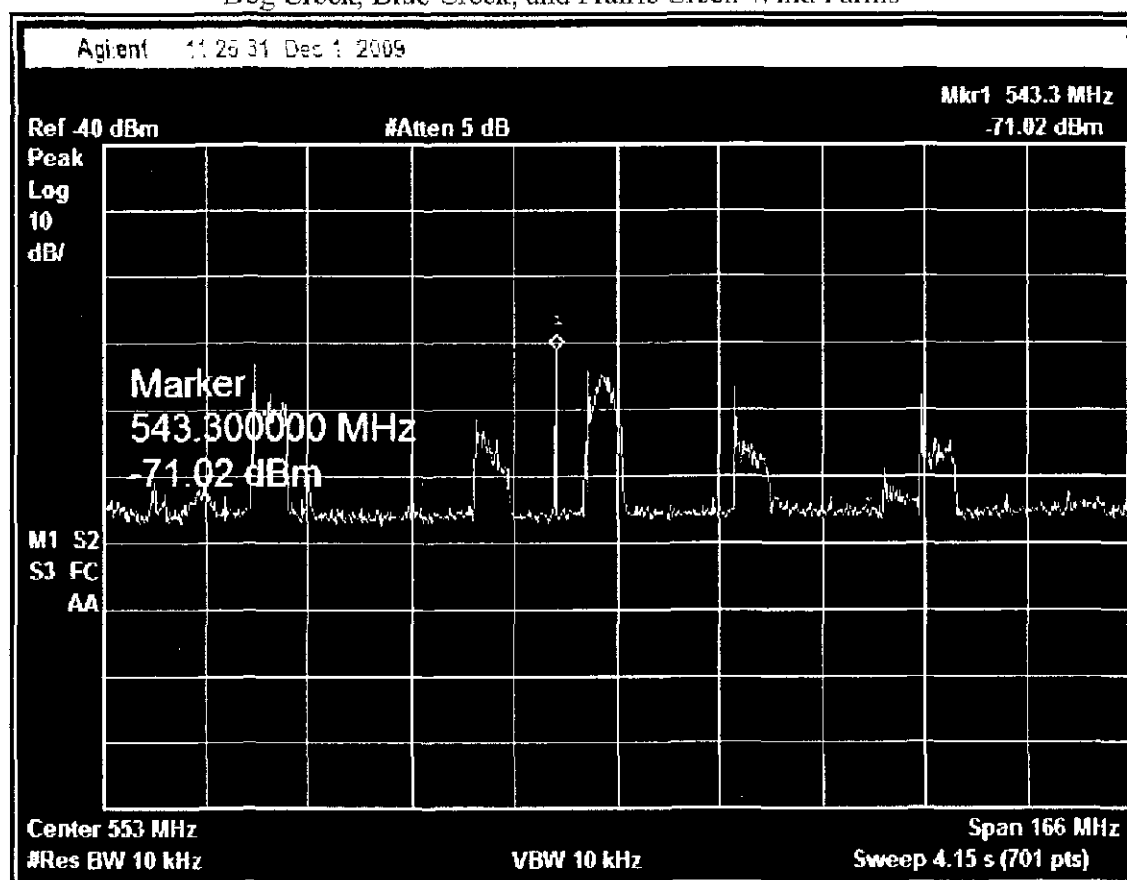
Azimuth: 0-360°

Figure 3.19-4 Spectrum Photographs

Test Point Nineteen East of Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 53.85" W84° 29' 10.61"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
543.3	-71.02

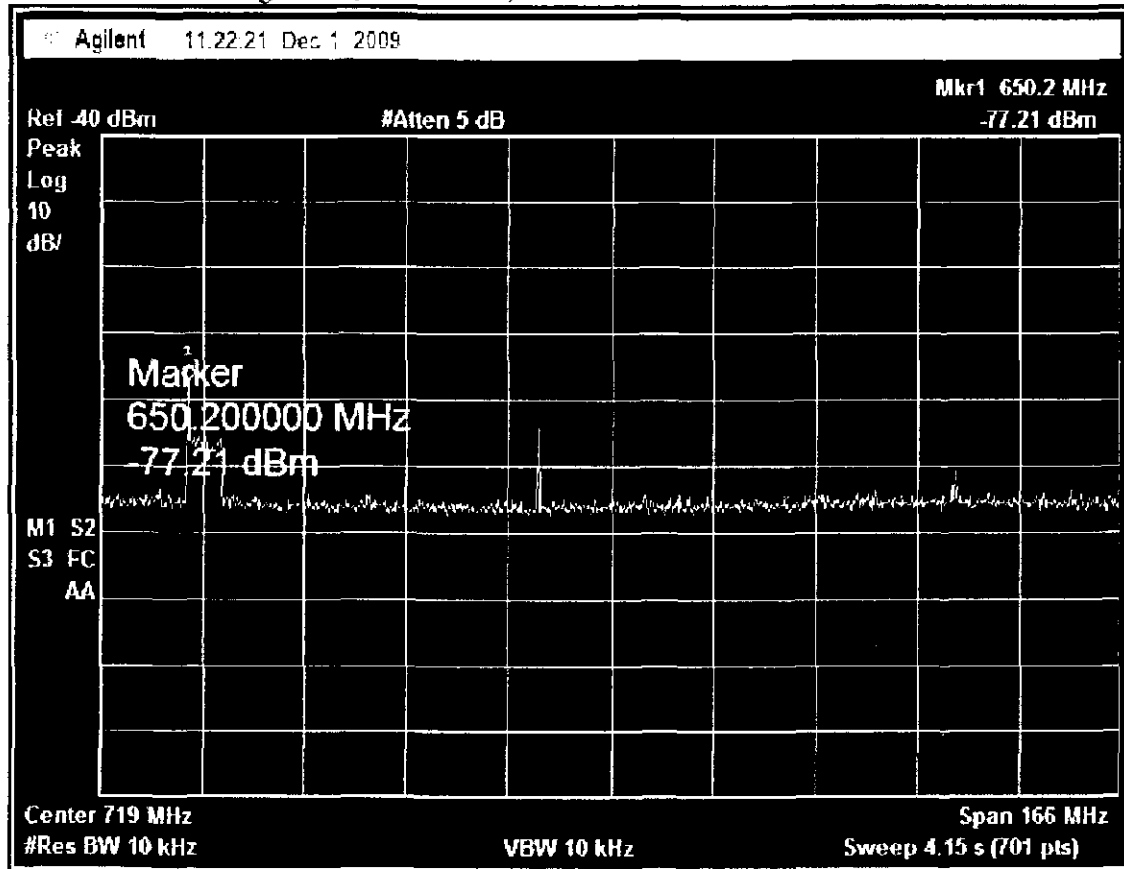
Azimuth: 0-360°

Figure 3.19-5 Spectrum Photographs

Test Point Nineteen East of Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 02' 53.85" W84° 29' 10.61"

UHF Band Channels 42-69

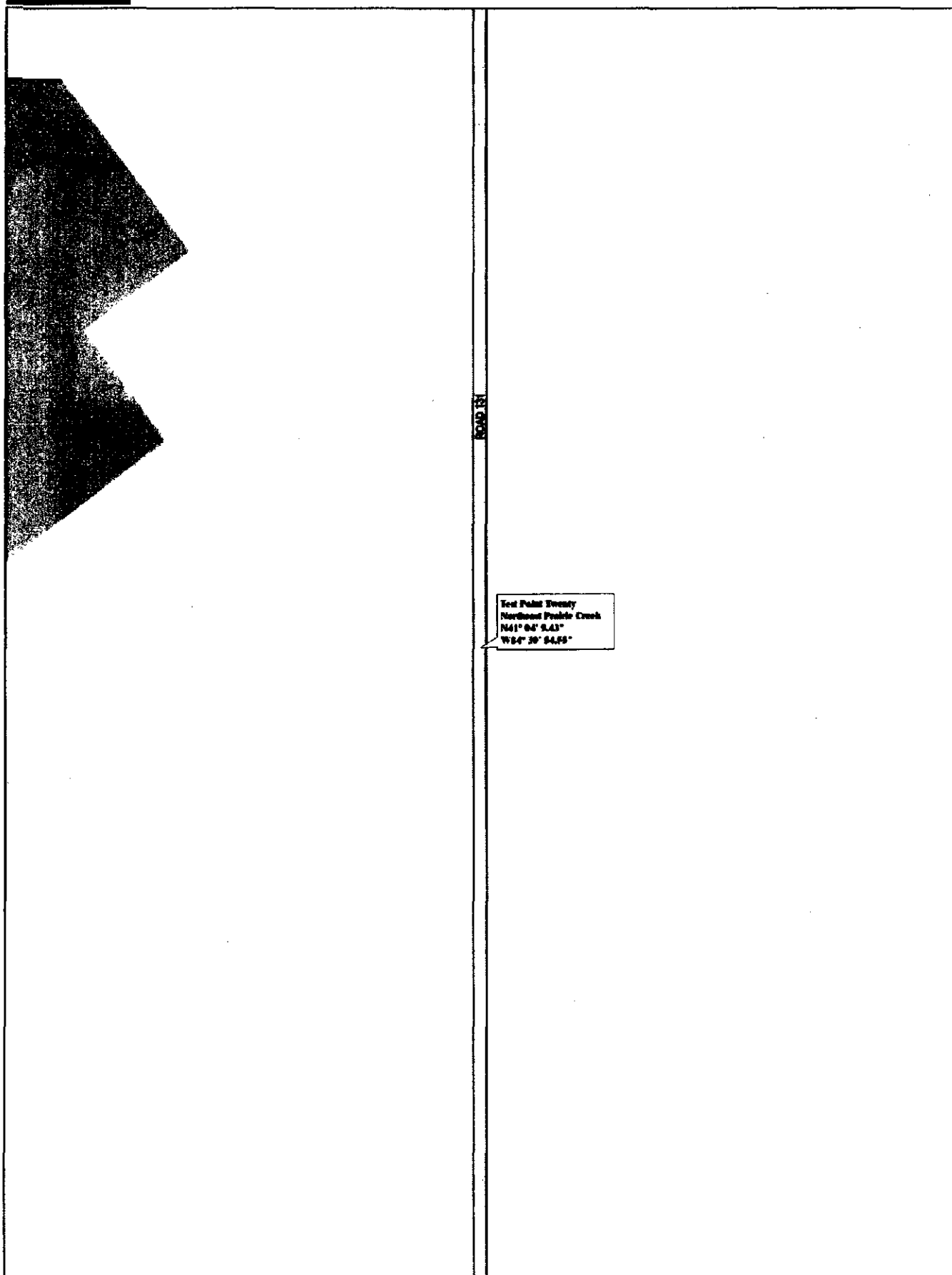
TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-77.21

Azimuth: 0-360°

Figure 3.19-6 Spectrum Photographs



Test Point Twenty Northeast Prairie Creek
Dog Creek, Blue Creek, and Prairie Creek Wind Farms

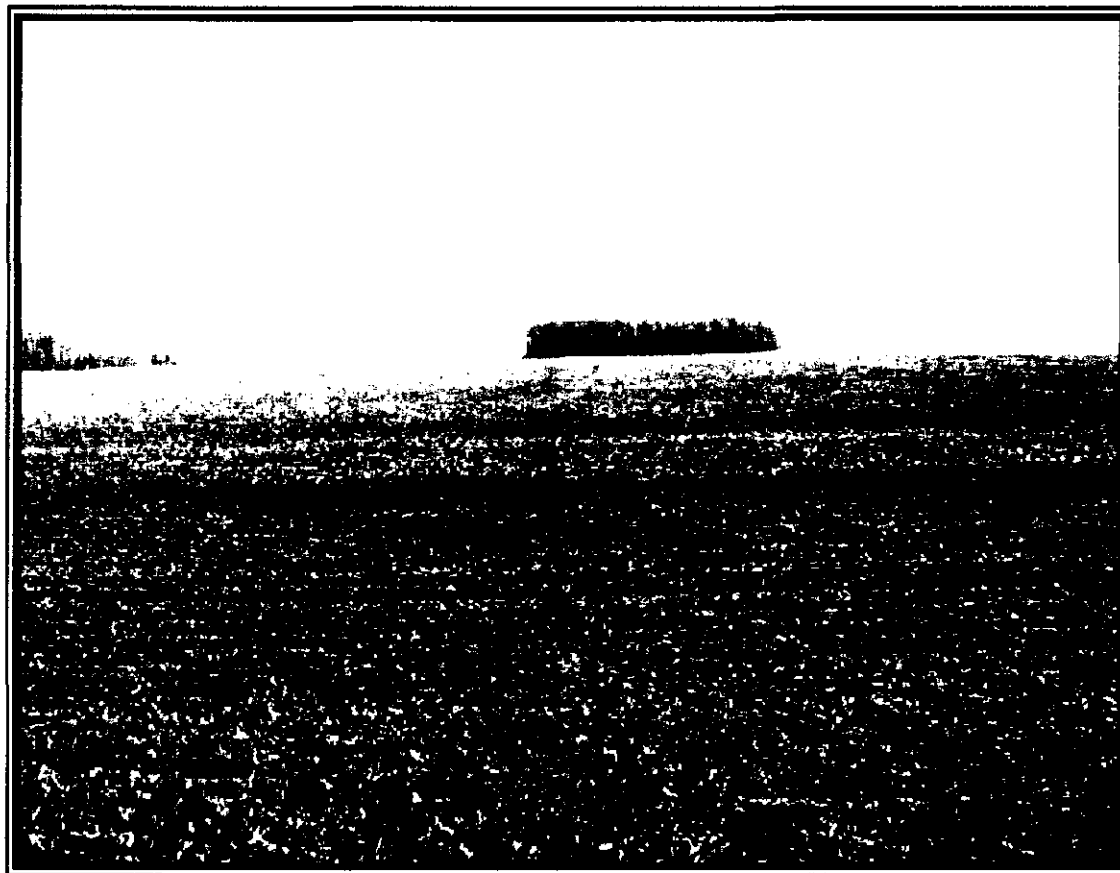
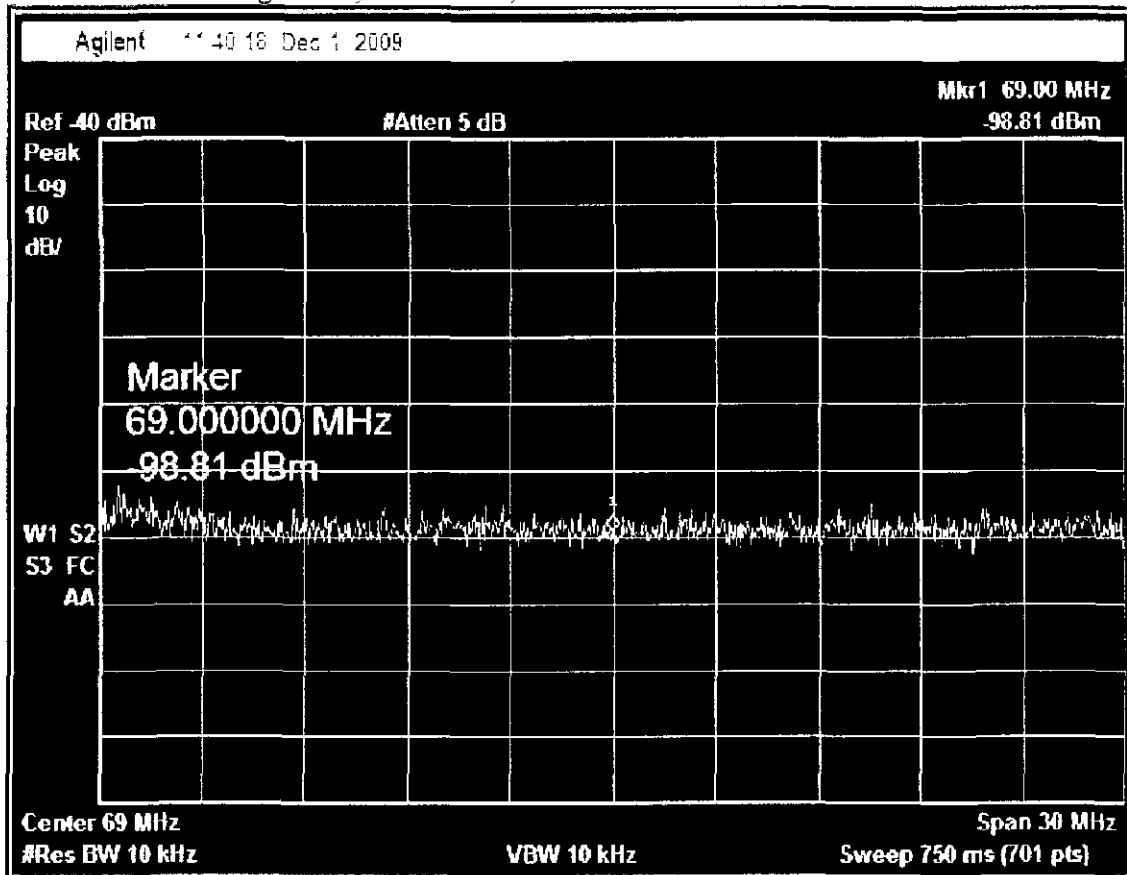


Figure 3.20-2 Site Photograph

Test Point Twenty Northeast Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 04' 9.43" W84° 30' 54.55"

VHF Low Band Channels 2-6

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

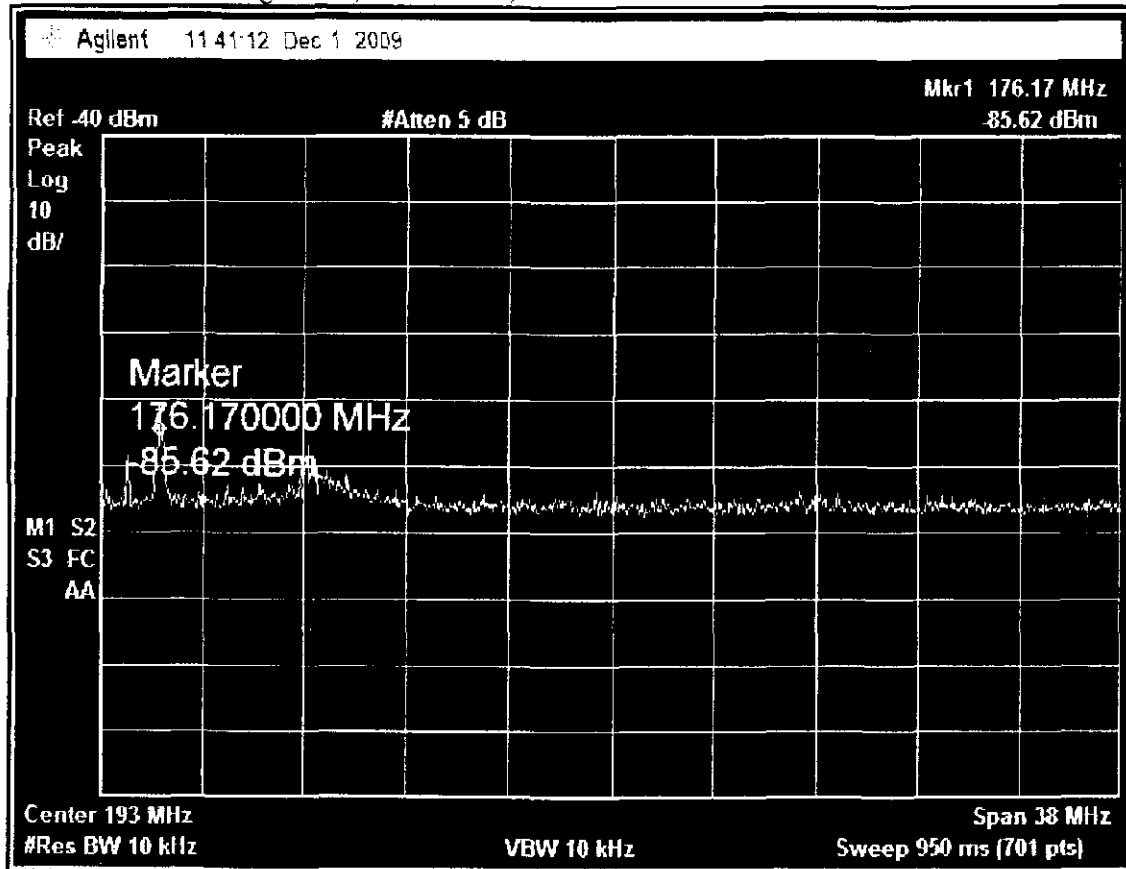
Azimuth: 0-360°

Figure 3.20-3 Spectrum Photographs

Test Point Twenty Northeast Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 04' 9.43" W84° 30' 54.55"

VHF High Band Channels 7-13

TV Broadcast

Highest Recorded Video Signal:

MHz Level (dBm)

None noted

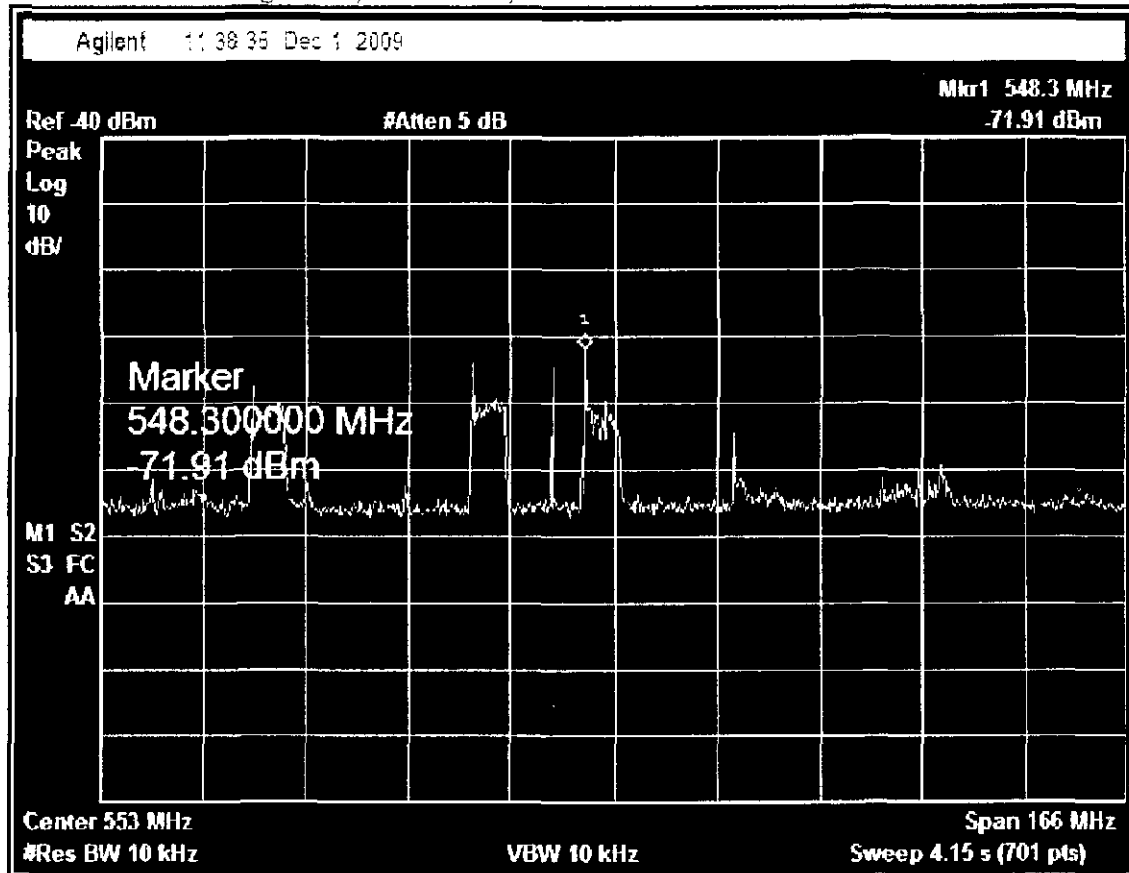
Azimuth: 0-360°

Figure 3.20-4 Spectrum Photographs

Test Point Twenty Northeast Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 04' 9.43" W84° 30' 54.55"

UHF Band Channels 14-41

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
548.3	-71.91

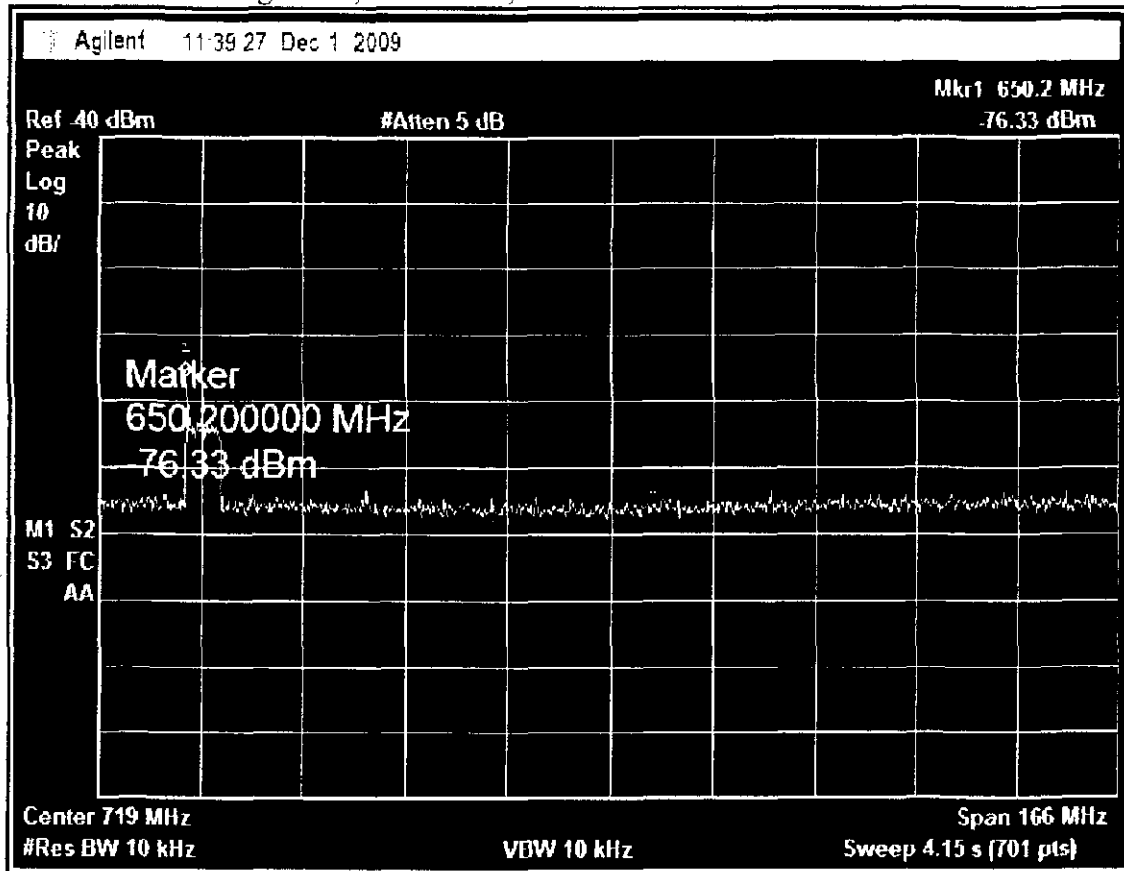
Azimuth: 0-360°

Figure 3.20-5 Spectrum Photographs

Test Point Twenty Northeast Prairie Creek

TV Broadcast

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



Date: 12/01/2009

Antenna Polarization: Horizontal

Antenna Centerline: 6 Feet

Coordinates: N41° 04' 9.43" W84° 30' 54.55"

UHF Band Channels 42-69

TV Broadcast

Highest Recorded Video Signal:

MHz	Level (dBm)
650.2	-76.33

Azimuth: 0-360°

Figure 3.20-6 Spectrum Photographs

SECTION

FOUR

SECTION 4

SUMMARY OF RESULTS

The following is the summary of results for each test measurement location. The area is extensively used as farmland and is relatively flat with an AMSL height of 750 feet. New housing communities are emerging in the area. Cable television has emerged into the area with cable headers present in all incorporated communities and on major roads. The areas primary transmitters are located in Fort Wayne, IN and Lima, OH. The Fort Wayne transmitters are located approximately WSW of the wind farms and the Lima, OH transmitters are located approximately ESE of the wind farms. Of the Off-air antennas present, some were on 50-foot plus towers and well maintained and others were in poor condition. Orientations of all the off-air antennas seen were toward the Fort Wayne area. The transmitters are in the 30 to 45 mile range. The major networks are represented (CBS, NBC, ABC, FOX). Overall, the test points have a capability of receiving 1 analog station and 8 digital stations.

See Section 3 for the Site and Spectrum Photographs.

4.1 Test Point One South of Blue Creek

Coordinates: N40° 55' 12.99" W84° 34' 20.00"

This test point is located outside the area of interest and is a mixture of farming, small businesses and recreation activities. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 1 was unsuitable for viewing and 7 were suitable for viewing. Tables 4.1-1 (Analog) and 4.1-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.2 Test Point Two Scott, Ohio

Coordinates: N40° 59' 23.44" W84° 35' 2.90"

This test point is located inside the area of interest and is a mixture of farming, small businesses and recreation activities. The town has a population of about 500 people. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 4 were unsuitable for viewing and 4 were suitable for viewing. Tables 4.2-1 (Analog) and 4.2-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.7 Test Point Seven West of Prairie Creek**Coordinates: N41° 02' 52.63" W84° 38' 15.67"**

This test point is located inside the area of interest and is an area of farming only. No residences were visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 1 was unsuitable for viewing and 7 were suitable for viewing. Tables 4.7-1 (Analog) and 4.7-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.8 Test Point Eight Southwest Prairie Creek**Coordinates: N41° 02' 0.23" W84° 37' 50.23"**

This test point is located inside the area of interest and is an area of farming only. No residences were visible but farming out-buildings were. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 1 was unsuitable for viewing and 7 were suitable for viewing. Tables 4.8-1 (Analog) and 4.8-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.9 Test Point Nine Northwest Blue Creek**Coordinates: N41° 00' 41.54" W84° 37' 50.20"**

This test point is located inside the area of interest and is an area of farming only. No residences were visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 1 was unsuitable for viewing and 7 were suitable for viewing. Tables 4.9-1 (Analog) and 4.9-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.10 Test Point Ten West of Blue Creek**Coordinates: N40° 58' 29.66" W84° 39' 29.07"**

This test point is located inside the area of interest and is an area of farming only. One residence was visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 1 was unsuitable for viewing and 7 were suitable for viewing. Tables 4.10-1 (Analog) and 4.10-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.11 Test Point Eleven Southwest Blue Creek

Coordinates: N40° 58' 1.12" W84° 37' 48.33"

This test point is located inside the area of interest and is an area of farming only. One residence was visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 2 were unsuitable for viewing and 6 were suitable for viewing. Tables 4.11-1 (Analog) and 4.11-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.12 Test Point Twelve South of Dog Creek Middle Point, Ohio

Coordinates: N40° 51' 16.28" W84° 26' 45.11"

This test point is located outside the area of interest and is a small sized community with a mixture of farming and small business. The population is around 1000. Off-air antennas are dominant in the area and all aligned toward Fort Wayne, IN. Satellite dishes were also noted and cable is present. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received 7 were unsuitable for viewing and 1 was suitable for viewing. Tables 4.12-1 (Analog) and 4.12-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.13 Test Point Thirteen Southeast Dog Creek

Coordinates: N40° 53' 44.42" W84° 27' 50.23"

This test point is located inside the area of interest and is an area of farming only. One residence was visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 2 were unsuitable for viewing and 6 were suitable for viewing. Tables 4.13-1 (Analog) and 4.13-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.14 Test Point Fourteen Southwest Dog Creek

Coordinates: N40° 54' 10.61" W84° 30' 51.67"

This test point is located inside the area of interest and is an area of farming only. One residence was visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 3 were unsuitable for viewing and 5 were suitable for viewing. Tables 4.14-1 (Analog) and 4.14-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.15 Test Point Fifteen Northwest Dog Creek

Coordinates: N40° 57' 59.98" W84° 32' 0.35"

This test point is located inside the area of interest and is an area of farming only. One residence was visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 1 was unsuitable for viewing and 7 were suitable for viewing. Tables 4.15-1 (Analog) and 4.15-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.16 Test Point Sixteen Northeast Dog Creek

Coordinates: N40° 58' 30.64" W84° 30' 51.65"

This test point is located inside the area of interest and is an area of farming only. One residence was visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 3 were unsuitable for viewing and 5 were suitable for viewing. Tables 4.16-1 (Analog) and 4.16-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.17 Test Point Seventeen Northeast Blue Creek

Coordinates: N41° 01' 8.46" W84° 32' 3.07"

This test point is located inside the area of interest and is an area of farming only. One residence was visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 2 were unsuitable for viewing and 6 were suitable for viewing. Tables 4.17-1 (Analog) and 4.17-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.18 Test Point Eighteen Southeast Prairie Creek

Coordinates: N41° 02' 1.18" W84° 30' 29.90"

This test point is located inside the area of interest and is an area of farming only. One residence was visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 3 were unsuitable for viewing and 5 were suitable for viewing. Tables 4.18-1 (Analog) and 4.18-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.19 Test Point Nineteen East of Prairie Creek

Coordinates: N41° 02' 53.85" W84° 29' 10.61"

This test point is located outside the area of interest and is a commercial agricultural district with no residences visible. Of the Television channels received at this site, 1 analog channel was received and was suitable for viewing and of the 8 digital channels received, 2 were unsuitable for viewing and 6 were suitable for viewing. Tables 4.19-1 (Analog) and 4.19-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

4.20 Test Point Twenty Northeast Prairie Creek

Coordinates: N41° 04' 9.43" W84° 30' 54.55"

This test point is located inside the area of interest and is an area of farming only. No residences were visible. Of the Television channels received at this site, 1 analog channel was received and was unsuitable for viewing and of the 8 digital channels received, 4 were unsuitable for viewing and 4 were suitable for viewing. Tables 4.20-1 (Analog) and 4.20-2 (Digital) detail the suitable and unsuitable channels derived from the actual measurements and Off-air monitoring.

Table 4.1-1 Analog
Numerical OFF-AIR Channel Results
Test Point One South of Blue Creek
Coordinates: N40° 55' 12.99" W84° 34' 20.00"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	4.02	25.67	6	-79.0	15.5	-1.5	0	-96.00	0.00006	35.91298	5

Table 4.1-2 Digital
Numerical OFF-AIR Channel Results
Test Point One South of Blue Creek
Coordinates: N40° 55' 12.99" W84° 34' 20.00"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	290.93	33.96	6	-84.0	19.5	-3.0	7.8	-108.70	0.00001	22.08881	2
19	501.3	WISE	285	291.06	33.8	6	-80.0	19.5	-3.0	7.8	-94.70	0.00007	36.51494	1
24	531.3	WPTA	335	291.68	34.39	6	-75.0	19.5	-3.0	7.8	-89.70	0.00013	42.01978	1
27	549.3	WBGU	153	66.47	37.85	6	-67.0	19.5	-3.0	7.8	-81.70	0.00033	50.30918	1
31	573.3	WANE	1000	290.93	33.96	6	-85.0	19.5	-3.0	7.8	-98.70	0.00004	32.58052	1
36	603.3	WFFT	1000	292.1	35.06	6	-80.0	19.5	-3.0	7.8	-94.70	0.00006	38.12365	1
40	627.3	WFWA	90	291.64	34.74	6	-87.0	19.5	-3.0	7.8	-101.70	0.00004	31.46249	1
44	651.3	WTLW	165	117.98	23.1	6	-75.0	19.5	-3.0	7.8	-89.70	0.00015	43.78861	1

Table 4.2-1 Analog
Numerical OFF-AIR Channel Results
 Test Point Two Scott, Ohio
 Coordinates: N40° 59' 23.44" W84° 35' 2.90"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBmI)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	6.63	20.95	6	-78.0	15.5	-1.5	0	-95.00	0.00007	36.91298	4

Table 4.2-2 Digital
Numerical OFF-AIR Channel Results
 Test Point Two Scott, Ohio
 Coordinates: N40° 59' 23.44" W84° 35' 2.90"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBmI)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	282.23	31.95	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	2
19	501.3	WISE	285	283.33	31.78	6	-65.0	19.5	-3.0	7.8	-79.70	0.00038	51.51494	1
24	531.3	WPTA	335	284.13	32.32	6	-70.0	19.5	-3.0	7.8	-84.70	0.00022	47.01978	1
27	549.3	WBGU	153	73.74	35.81	6	-86.0	19.5	-3.0	7.8	-100.70	0.00004	31.30918	2
31	573.3	WANE	1000	283.23	31.95	6	-78.0	19.5	-3.0	7.8	-92.70	0.00010	39.68062	1
36	603.3	WFFT	1000	284.72	32.96	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	43.12365	1
40	627.3	WFVA	90	284.16	32.67	6	-88.0	19.5	-3.0	7.8	-102.70	0.00003	30.46249	2
44	651.3	WTLW	165	126.66	26.2	6	-88.0	19.5	-3.0	7.8	-102.70	0.00003	30.78861	2

Table 4.3-1 Analog
Numerical OFF-AIR Channel Results
Test Point Three Haviland, Ohio
Coordinates: N41° 01' 8.35" W84° 34' 49.92"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	6.77	13.93	6	-84.0	15.5	-1.5	0	-101.00	0.00004	30.91298	5

Table 4.3-2 Digital
Numerical OFF-AIR Channel Results
Test Point Three Haviland, Ohio
Coordinates: N41° 01' 8.35" W84° 34' 49.92"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	261.98	20.36	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	3
19	501.3	WISE	285	279.69	31.57	6	-75.0	19.5	-3.0	7.8	-89.70	0.00012	41.51494	1
24	531.3	WPTA	335	280.55	32.08	6	-88.0	19.5	-3.0	7.8	-82.70	0.00028	49.01978	1
27	549.3	WBGU	153	76.74	36.11	6	-81.0	19.5	-3.0	7.8	-95.70	0.00007	36.30918	2
31	573.3	WANE	1000	279.61	31.74	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	42.58062	1
36	603.3	WFFT	1000	281.22	32.69	6	-80.0	19.5	-3.0	7.8	-94.70	0.00008	38.12365	1
40	627.3	WFWA	90	280.62	32.42	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.46249	3
44	651.3	WTLW	165	130.29	27.3	6	-71.0	19.5	-3.0	7.8	-85.70	0.00025	47.78861	1

Table 4.4-1 Analog
Numerical OFF-AIR Channel Results
Test Point Four Center of Prairie Creek
Coordinates: N41° 03' 20.83" W84° 34' 22.85"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	6.46	16.36	6	-78.0	15.5	-1.5	0	-95.00	0.00007	36.91298	4

Table 4.4-2 Digital
Numerical OFF-AIR Channel Results
Test Point Four Center of Prairie Creek
Coordinates: N41° 03' 20.83" W84° 34' 22.85"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	274.96	31.81	6	-88.0	19.5	-3.0	7.8	-102.70	0.00003	28.08881	2
19	501.3	WISE	285	275.01	31.64	6	-88.0	19.5	-3.0	7.8	-82.70	0.00027	48.51494	1
24	531.3	WPTA	335	275.95	32.1	6	-70.0	19.5	-3.0	7.8	-84.70	0.00022	47.01978	1
27	549.3	WBGU	153	80.63	35.23	6	-78.0	19.5	-3.0	7.8	-92.70	0.00009	39.30318	1
31	573.3	WANE	1000	274.96	31.81	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	42.68062	1
36	603.3	WFFT	1000	276.7	32.69	6	-74.0	19.5	-3.0	7.8	-88.70	0.00016	44.12365	1
40	627.3	WFWA	90	276.06	32.44	6	-86.0	19.5	-3.0	7.8	-100.70	0.00004	32.46249	1
44	651.3	WTLW	165	134.68	28.72	6	-85.0	19.5	-3.0	7.8	-99.70	0.00005	33.78861	1

Table 4.5-1 Analog
Numerical OFF-AIR Channel Results
Test Point Five Latty, Ohio
Coordinates: N41° 05' 19.11" W84° 35' 6.40"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	10.01	14.21	6	-78.0	15.5	-1.5	0	-95.00	0.00007	36.91298	4

Table 4.5-2 Digital
Numerical OFF-AIR Channel Results
Test Point Five Latty, Ohio
Coordinates: N41° 05' 19.11" W84° 35' 6.40"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	270.87	31.08	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	3
19	501.3	WISE	285	270.9	30.89	6	-68.0	19.5	-3.0	7.8	-82.70	0.00027	48.51494	1
24	531.3	WPTA	335	271.92	31.32	6	-78.0	19.5	-3.0	7.8	-92.70	0.00009	39.01978	1
27	549.3	WBGU	153	84.41	35.58	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	27.30918	3
31	573.3	WANE	1000	270.87	31.06	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	42.68062	1
36	603.3	WFFT	1000	272.76	31.87	6	-78.0	19.5	-3.0	7.8	-92.70	0.00010	40.12365	1
40	627.3	WFWA	90	272.08	31.65	6	-88.0	19.5	-3.0	7.8	-102.70	0.00003	30.46249	3
44	651.3	WTLW	165	136.85	30.78	6	-81.0	19.5	-3.0	7.8	-105.70	0.00002	27.78861	3

Table 4.6-1 Analog
Numerical OFF-AIR Channel Results
Test Point Six Northwest Prairie Creek
Coordinates: N41° 04' 4.23" W84° 37' 50.91"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	17.41	16.18	6	-80.0	15.5	-1.5	0	-97.00	0.00006	34.91298	5

Table 4.6-2 Digital
Numerical OFF-AIR Channel Results
Test Point Six Northwest Prairie Creek
Coordinates: N41° 04' 4.23" W84° 37' 50.91"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	273.78	28.73	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	3
19	501.3	WISE	285	273.84	28.66	6	-86.0	19.5	-3.0	7.8	-80.70	0.00034	50.51494	1
24	531.3	WPTA	335	274.89	29.02	6	-70.0	19.5	-3.0	7.8	-84.70	0.00022	47.01978	1
27	549.3	WBGU	153	82.57	38.1	6	-84.0	19.5	-3.0	7.8	-98.70	0.00005	33.30918	2
31	573.3	WANE	1000	273.78	28.73	6	-74.0	19.5	-3.0	7.8	-88.70	0.00015	43.68082	1
36	603.3	WFFT	1000	275.74	29.59	6	-74.0	19.5	-3.0	7.8	-88.70	0.00016	44.12365	1
40	627.3	WFWA	90	275.03	29.36	6	-82.0	19.5	-3.0	7.8	-96.70	0.00007	36.46249	2
44	651.3	WTLW	165	131.87	31.49	6	-92.0	19.5	-3.0	7.8	-106.70	0.00002	26.78861	3

Table 4.7-1 Analog
Numerical OFF-AIR Channel Results
Test Point Seven West of Prairie Creek
Coordinates: N41° 02' 52.63" W84° 38' 15.67"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	17.18	17.59	6	-83.0	15.5	-1.5	0	-100.00	0.00004	31.91298	5

Table 4.7-2 Digital
Numerical OFF-AIR Channel Results
Test Point Seven West of Prairie Creek
Coordinates: N41° 02' 52.63" W84° 38' 15.67"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	276.59	28.5	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	3
19	501.3	WISE	285	276.56	28.33	6	-68.0	19.5	-3.0	7.8	-82.70	0.00027	48.51494	1
24	531.3	WPTA	335	277.67	28.81	6	-70.0	19.5	-3.0	7.8	-84.70	0.00022	47.01978	1
27	549.3	WBGU	153	80.61	38.65	6	-75.0	19.5	-3.0	7.8	-89.70	0.00013	42.30918	1
31	573.3	WANE	1000	276.59	28.5	6	-70.0	19.5	-3.0	7.8	-84.70	0.00024	47.68062	1
36	603.3	WFFT	1000	278.47	29.41	6	-80.0	19.5	-3.0	7.8	-94.70	0.00008	38.12365	1
40	627.3	WFWA	90	277.78	29.15	6	-85.0	19.5	-3.0	7.8	-99.70	0.00005	33.46249	1
44	651.3	WTLW	165	128.51	30.87	6	-77.0	19.5	-3.0	7.8	-91.70	0.00012	41.78861	1

Table 4.8-1 Analog
Numerical OFF-AIR Channel Results
Test Point Eight Southwest Prairie Creek
Coordinates: N41° 02' 0.23" W84° 37' 50.23"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	15.17	18.45	6	-85.0	15.5	-1.5	0	-102.00	0.00003	29.91298	5

Table 4.8-2 Digital
Numerical OFF-AIR Channel Results
Test Point Eight Southwest Prairie Creek
Coordinates: N41° 02' 0.23" W84° 37' 50.23"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	278.49	29	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	2
19	501.3	WISE	285	278.58	28.83	6	-66.0	19.5	-3.0	7.8	-80.70	0.00034	50.51494	1
24	531.3	WPTA	335	279.53	29.32	6	-75.0	19.5	-3.0	7.8	-89.70	0.00013	42.01978	1
27	549.3	WBGU	153	79.05	38.47	6	-81.0	19.5	-3.0	7.8	-95.70	0.00007	36.30818	1
31	573.3	WANE	1000	278.49	29	6	-73.0	19.5	-3.0	7.8	-87.70	0.00017	44.68062	1
36	603.3	WFFT	1000	280.28	29.93	6	-77.0	19.5	-3.0	7.8	-91.70	0.00011	41.12365	1
40	627.3	WFVA	90	279.62	29.67	6	-85.0	19.5	-3.0	7.8	-99.70	0.00005	33.46249	1
44	651.3	WTLW	165	128.48	29.95	6	-76.0	19.5	-3.0	7.8	-90.70	0.00014	42.78861	1

Table 4.1-1 Analog
Numerical OFF-AIR Channel Results
Test Point One South of Blue Creek
Coordinates: N40° 55' 12.99" W84° 34' 20.00"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	14.03	19.91	6	-75.0	15.5	-1.5	0	-92.00	0.00010	39.91298	4

Table 4.1-2 Digital
Numerical OFF-AIR Channel Results
Test Point One South of Blue Creek
Coordinates: N40° 55' 12.99" W84° 34' 20.00"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	281.42	29.26	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	3
19	501.3	WISE	285	281.53	29.09	6	-85.0	19.5	-3.0	7.8	-79.70	0.00038	51.51494	1
24	531.3	WPTA	335	282.42	29.61	6	-81.0	19.5	-3.0	7.8	-95.70	0.00006	35.01978	1
27	549.3	WBGU	153	76.85	38.78	6	-88.0	19.5	-3.0	7.8	-102.70	0.00003	29.30818	3
31	573.3	WANE	1000	281.42	29.26	6	-70.0	19.5	-3.0	7.8	-84.70	0.00024	47.68062	1
36	603.3	WFFT	1000	283.11	30.24	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	43.12365	1
40	627.3	WFVA	90	282.47	29.96	6	-85.0	19.5	-3.0	7.8	-99.70	0.00005	33.46249	1
44	651.3	WTLW	165	126.15	29.04	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.78861	2

Table 4.10-1 Analog
Numerical OFF-AIR Channel Results
Test Point Ten West of Blue Creek
Coordinates: N40° 58' 29.66" W84° 39' 29.07"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	15.97	22.73	6	-80.0	15.5	-1.5	0	-87.00	0.00008	34.91298	4

Table 4.10-2 Digital
Numerical OFF-AIR Channel Results
Test Point Ten West of Blue Creek
Coordinates: N40° 58' 29.66" W84° 39' 29.07"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	286.99	28.48	6	-80.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	2
19	501.3	WISE	285	287.13	28.32	6	-66.0	19.5	-3.0	7.8	-80.70	0.00034	50.51494	1
24	531.3	WPTA	335	287.94	28.88	6	-68.0	19.5	-3.0	7.8	-82.70	0.00028	49.01978	1
27	549.3	WBGU	153	73.82	40.81	6	-80.0	19.5	-3.0	7.8	-94.70	0.00007	37.30918	1
31	573.3	WANE	1000	288.99	28.48	6	-72.0	19.5	-3.0	7.8	-86.70	0.00019	45.68062	1
36	603.3	WFFT	1000	292.1	35.06	6	-70.0	19.5	-3.0	7.8	-84.70	0.00025	48.12365	1
40	627.3	WFVA	90	287.93	29.23	6	-80.0	19.5	-3.0	7.8	-94.70	0.00008	38.46249	1
44	651.3	WTLW	165	120.37	28.85	6	-78.0	19.5	-3.0	7.8	-92.70	0.00011	40.78861	1

Table 4.11-1 Analog
Numerical OFF-AIR Channel Results
Test Point Eleven Southwest Blue Creek
Coordinates: N40° 58' 1.12" W84° 37' 48.33"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	12.1	22.9	6	-91.0	15.5	-1.5	0	-108.00	0.00002	23.91298	6

Table 4.11-2 Digital
Numerical OFF-AIR Channel Results
Test Point Eleven Southwest Blue Creek
Coordinates: N40° 58' 1.12" W84° 37' 48.33"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	287.19	30.04	6	-88.0	19.5	-3.0	7.8	-102.70	0.00003	28.08831	1
19	501.3	WISE	285	287.32	29.88	6	-72.0	19.5	-3.0	7.8	-86.70	0.00017	44.51494	1
24	531.3	WPTA	335	288.09	30.44	6	-74.0	19.5	-3.0	7.8	-88.70	0.00014	43.01978	1
27	549.3	WBGU	153	72.48	39.56	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	27.30918	3
31	573.3	WANE	1000	287.19	30.04	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	42.68062	1
36	603.3	WFFT	1000	288.64	31.1	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	43.12365	1
40	627.3	WFWA	90	288.08	30.79	6	-75.0	19.5	-3.0	7.8	-89.70	0.00015	43.46249	1
44	651.3	WTLW	165	120.95	27.32	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.78851	3

Table 4.12-1 Analog
Numerical OFF-AIR Channel Results
Test Point Twelve South of Dog Creek Middle Point, Ohio
Coordinates: N40° 51' 16.28" W84° 26' 45.11"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	351.04	30.52	6	-97.0	15.5	-1.5	0	-114.00	0.00001	17.91298	6

Table 4.12-2 Digital
Numerical OFF-AIR Channel Results
Test Point Twelve South of Dog Creek Middle Point, Ohio
Coordinates: N40° 51' 16.28" W84° 26' 45.11"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	293.6	41.8	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	3
19	501.3	WISE	285	293.72	41.8	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.51484	3
24	531.3	WPTA	335	294.18	42.25	6	-77.0	19.5	-3.0	7.8	-91.70	0.00010	40.01978	1
27	549.3	WBGU	153	55.09	34.26	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	27.30918	3
31	573.3	WANE	1000	293.6	41.8	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	27.68062	3
36	603.3	WFFT	1000	294.49	42.94	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.12365	3
40	627.3	WFWA	90	294.12	42.6	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.46249	3
44	651.3	WTLW	165	114.61	15.16	6	-86.0	18.5	-3.0	7.8	-100.70	0.00004	32.78861	2

Table 4.13-1 Analog
Numerical OFF-AIR Channel Results
Test Point Thirteen Southeast Dog Creek
Coordinates: N40° 53' 44.42" W84° 27' 50.23"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	352.05	27.58	6	-82.0	15.5	-1.5	0	-89.00	0.00004	32.91298	5

Table 4.13-2 Digital
Numerical OFF-AIR Channel Results
Test Point Thirteen Southeast Dog Creek
Coordinates: N40° 53' 44.42" W84° 27' 50.23"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	290.38	39.86	6	-80.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	3
19	501.3	WISE	285	290.49	39.7	6	-80.0	19.5	-3.0	7.8	-94.70	0.00007	36.51494	1
24	531.3	WPTA	335	291.03	40.29	6	-80.0	19.5	-3.0	7.8	-94.70	0.00007	37.01978	1
27	549.3	WBGU	153	60	33.54	6	-85.0	19.5	-3.0	7.8	-99.70	0.00004	32.30318	2
31	573.3	WANE	1000	290.38	39.86	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	42.68062	1
36	603.3	WFFT	1000	291.39	40.96	6	-75.0	19.5	-3.0	7.8	-89.70	0.00014	43.12365	1
40	627.3	WFVA	90	290.99	40.63	6	-75.0	19.5	-3.0	7.8	-89.70	0.00015	43.46249	1
44	651.3	WTLW	165	121.87	17.34	6	-72.0	19.5	-3.0	7.8	-86.70	0.00022	46.78861	1

Table 4.14-1 Analog
Numerical OFF-AIR Channel Results
Test Point Fourteen Southwest Dog Creek
Coordinates: N40° 54' 10.61" W84° 30' 51.67"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	357.44	26.83	6	-88.0	15.5	-1.5	0	-105.00	0.00002	26.91298	6

Table 4.14-2 Digital
Numerical OFF-AIR Channel Results
Test Point Fourteen Southwest Dog Creek
Coordinates: N40° 54' 10.61" W84° 30' 51.67"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	291.03	37.21	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	3
19	501.3	WISE	285	291.15	37.06	6	-75.0	19.5	-3.0	7.8	-89.70	0.00012	41.51494	1
24	531.3	WPTA	335	291.72	37.65	6	-76.0	19.5	-3.0	7.8	-90.70	0.00011	41.01978	1
27	549.3	WBGU	153	62.79	35.62	6	-83.0	19.5	-3.0	7.8	-77.70	0.00052	54.30918	1
31	573.3	WANE	1000	291.03	37.21	6	-96.0	19.5	-3.0	7.8	-110.70	0.00001	21.68062	3
36	603.3	WFFT	1000	292.1	38.32	6	-77.0	19.5	-3.0	7.8	-91.70	0.00011	41.12365	1
40	627.3	WFWA	90	291.67	37.99	6	-85.0	19.5	-3.0	7.8	-99.70	0.00005	33.46249	2
44	651.3	WTLW	165	119.06	19.87	6	-77.0	19.5	-3.0	7.8	-91.70	0.00012	41.78861	1

Table 4.15-1 Analog
Numerical OFF-AIR Channel Results
Test Point Fifteen Northwest Dog Creek
Coordinates: N40° 57' 59.98" W84° 32' 0.35"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	359.46	22.41	6	-97.0	15.5	-1.5	0	-114.00	0.00001	17.91298	6

Table 4.15-2 Digital
Numerical OFF-AIR Channel Results
Test Point Fifteen Northwest Dog Creek
Coordinates: N40° 57' 59.98" W84° 32' 0.35"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	284.83	34.91	6	-96.0	19.5	-3.0	7.8	-110.70	0.00001	20.08881	3
19	501.3	WISE	285	284.93	34.75	6	-74.0	19.5	-3.0	7.8	-88.70	0.00013	42.51494	1
24	531.3	WPTA	335	285.64	35.29	6	-78.0	19.5	-3.0	7.8	-92.70	0.00009	39.01978	1
27	549.3	WBGU	153	70.01	34.78	6	-76.0	19.5	-3.0	7.8	-90.70	0.00012	41.30918	1
31	573.3	WANE	1000	284.83	34.91	6	-80.0	19.5	-3.0	7.8	-94.70	0.00008	37.68062	1
36	603.3	WFFT	1000	286.16	35.94	6	-84.0	19.5	-3.0	7.8	-98.70	0.00005	34.12385	1
40	627.3	WFVA	90	285.65	35.64	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.46249	3
44	651.3	WTLW	165	127.42	23.11	6	-71.0	19.5	-3.0	7.8	-85.70	0.00025	47.78861	1

Table 4.16-1 Analog
Numerical OFF-AIR Channel Results
Test Point Sixteen Northeast Dog Creek
Coordinates: N40° 58' 30.64" W84° 30' 51.65"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBUV/m)	Video Quality Rating
26	543.25	WDFM	7.5	356.85	21.85	6	-79.0	15.5	-1.5	0	-96.00	0.00006	35.91298	5

Table 4.16-2 Digital
Numerical OFF-AIR Channel Results
Test Point Sixteen Northeast Dog Creek
Coordinates: N40° 58' 30.64" W84° 30' 51.65"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBUV/m)	Video Quality Rating
15	477.3	NEW	15	285.32	35.73	6	-92.0	19.5	-3.0	7.8	-106.70	0.00002	24.08881	3
19	501.3	WISE	285	283.61	35.57	6	-80.0	19.5	-3.0	7.8	-94.70	0.00007	36.51494	1
24	531.3	WPTA	335	284.32	36.11	6	-78.0	19.5	-3.0	7.8	-92.70	0.00009	39.01978	1
27	549.3	WBGU	153	70.39	33.64	6	-77.0	19.5	-3.0	7.8	-91.70	0.00010	40.30918	1
31	573.3	WANE	1000	283.52	35.73	6	-72.0	19.5	-3.0	7.8	-86.70	0.00019	45.68062	1
36	603.3	WFFT	1000	284.85	36.74	6	-78.0	19.5	-3.0	7.8	-92.70	0.00010	40.12365	1
40	627.3	WFWA	90	284.34	36.45	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.46249	3
44	651.3	WTLW	165	130.15	22.7	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.78861	3

Table 4.17-1 Analog
Numerical OFF-AIR Channel Results
Test Point Seventeen Northeast Blue Creek
Coordinates: N41° 01' 8.46" W84° 32' 3.07"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	359.48	18.8	6	-89.0	15.5	-1.5	0	-106.00	0.00002	25.91298	6

Table 4.17-2 Digital
Numerical OFF-AIR Channel Results
Test Point Seventeen Northeast Blue Creek
Coordinates: N41° 01' 8.46" W84° 32' 3.07"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	278.95	34.13	6	-89.0	19.5	-3.0	7.8	-103.70	0.00002	27.08881	2
19	501.3	WISE	285	279.03	33.96	6	-80.0	19.5	-3.0	7.8	-94.70	0.00007	36.51494	1
24	531.3	WPTA	335	279.84	34.46	6	-78.0	19.5	-3.0	7.8	-92.70	0.00009	39.01978	1
27	549.3	WBGU	153	75.83	33.76	6	-78.0	19.5	-3.0	7.8	-92.70	0.00009	39.30918	1
31	573.3	WANE	1000	278.95	34.13	6	-81.0	19.5	-3.0	7.8	-95.70	0.00007	36.68052	1
36	603.3	WFFT	1000	280.47	35.07	6	-81.0	19.5	-3.0	7.8	-95.70	0.00007	37.12365	1
40	627.3	WFVA	90	279.91	34.81	6	-82.0	19.5	-3.0	7.8	-106.70	0.00002	26.46249	3
44	651.3	WTLW	165	133.84	25.5	6	-74.0	19.5	-3.0	7.8	-88.70	0.00017	44.78861	1

Table 4.18-1 Analog
Numerical OFF-AIR Channel Results
Test Point Eighteen Southeast Prairie Creek
Coordinates: N41° 02' 1.18" W84° 30' 29.90"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	355.14	17.85	6	-78.0	15.5	-1.5	0	-95.00	0.00007	36.91298	4

Table 4.18-2 Digital
Numerical OFF-AIR Channel Results
Test Point Eighteen Southeast Prairie Creek
Coordinates: N41° 02' 1.18" W84° 30' 29.90"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	277	35.33	6	-90.0	19.5	-3.0	7.8	-104.70	0.00002	26.08881	2
19	501.3	WISE	285	277.07	35.16	6	-76.0	19.5	-3.0	7.8	-90.70	0.00011	40.51494	1
24	531.3	WPTA	335	277.88	35.64	6	-76.0	19.5	-3.0	7.8	-90.70	0.00011	41.01978	1
27	549.3	WEGU	153	77.01	32.21	6	-80.0	19.5	-3.0	7.8	-94.70	0.00007	37.30918	1
31	573.3	WANE	1000	277	35.33	6	-80.0	19.5	-3.0	7.8	-94.70	0.00008	37.68062	1
36	603.3	WFFT	1000	278.52	36.24	6	-74.0	19.5	-3.0	7.8	-88.70	0.00016	44.12365	1
40	627.3	WFWA	90	277.96	35.99	6	-88.0	19.5	-3.0	7.8	-102.70	0.00003	30.46249	2
44	651.3	WTLW	165	137.64	25.27	6	-84.0	19.5	-3.0	7.8	-98.70	0.00005	34.78861	2

Table 4.19-1 Analog
Numerical OFF-AIR Channel Results
Test Point Nineteen East of Prairie Creek
Coordinates: N41° 02' 53.85" W84° 29' 10.61"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	351	16.99	6	-71.0	15.5	-1.5	0	-88.00	0.00016	43.91298	3

Table 4.19-2 Digital
Numerical OFF-AIR Channel Results
Test Point Nineteen East of Prairie Creek
Coordinates: N41° 02' 53.85" W84° 29' 10.61"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	275.21	36.37	6	-86.0	19.5	-3.0	7.8	-102.70	0.00003	28.08881	2
19	501.3	WISE	285	275.26	36.19	6	-75.0	19.5	-3.0	7.8	-89.70	0.00012	41.51494	1
24	531.3	WPTA	335	276.07	36.66	6	-81.0	19.5	-3.0	7.8	-95.70	0.00006	36.01978	1
27	549.3	WBGU	153	78.37	30.87	6	-75.0	19.5	-3.0	7.8	-89.70	0.00013	42.30918	1
31	573.3	WANE	1000	275.21	36.37	6	-76.0	19.5	-3.0	7.8	-90.70	0.00012	41.68062	1
36	603.3	WFFT	1000	276.73	37.25	6	-71.0	19.5	-3.0	7.8	-85.70	0.00023	47.12365	1
40	627.3	WFWA	90	276.18	37	6	-93.0	19.5	-3.0	7.8	-107.70	0.00002	25.46249	3
44	651.3	WTLW	165	141.12	25.29	6	-77.0	19.5	-3.0	7.8	-91.70	0.00012	41.78861	1

Table 4.20-1 Analog
Numerical OFF-AIR Channel Results
Test Point Twenty Northeast Prairie Creek
Coordinates: N41° 04' 9.43" W84° 30' 54.55"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
26	543.25	WDFM	7.5	355.68	15.37	6	-75.0	15.5	-1.5	0	-92.00	0.00010	39.91298	3

Table 4.20-2 Digital
Numerical OFF-AIR Channel Results
Test Point Twenty Northeast Prairie Creek
Coordinates: N41° 04' 9.43" W84° 30' 54.55"

TV Chan#	Video Freq (MHz)	Call Sign	Transmit Power (kW)	Azimuth (Degrees)	Distance (Miles)	Measured Height (Feet)	Measured Signal (dBm)	Ant. Gain (dB)	System Losses (dB)	Digital Correction (dB)	Adjusted Signal Level (dBm)	Field Strength (V/m)	Field Strength (dBuV/m)	Video Quality Rating
15	477.3	NEW	15	273.03	34.76	6	-96.0	19.5	-3.0	7.8	-110.70	0.00001	20.08861	3
19	501.3	WISE	285	273.07	34.59	6	-76.0	19.5	-3.0	7.8	-92.70	0.00008	38.51494	1
24	531.3	WPTA	335	273.96	35.04	6	-76.0	19.5	-3.0	7.8	-90.70	0.00011	41.01978	1
27	549.3	WBGU	153	81.44	32.1	6	-72.0	19.5	-3.0	7.8	-86.70	0.00018	45.30918	1
31	573.3	WANE	1000	273.03	34.76	6	-88.0	19.5	-3.0	7.8	-102.70	0.00003	29.68062	3
36	603.3	WFFT	1000	274.67	35.6	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.12365	3
40	627.3	WFWA	90	274.08	35.37	6	-90.0	19.5	-3.0	7.8	-104.70	0.00003	28.45249	3
44	651.3	WTLW	165	140.56	27.36	6	-76.0	19.5	-3.0	7.8	-90.70	0.00014	42.78861	1

SECTION
FIVE

SECTION FIVE

CONCLUSIONS

The proposed Dog Creek, Blue Creek, and Prairie Creek Wind Farms are located near Haviland, OH. The area is utilized extensively for farming with and is fairly flat with an average elevation height AMSL (above-mean-sea-level) of 750 feet. The twenty sites selected for the measurements provide a broad coverage area within and outside of the three Wind Farms. The immediate communities surrounding the wind projects have populations of less than 1000 people. Several conclusions made about the television reception of off-air broadcast stations in the area around the proposed wind projects are offered in the following paragraphs.

- The area measured relies on off-air television transmissions from the greater metropolitan areas of Fort Wayne, IN and Lima, OH. These areas are 30-45 miles from the three wind project areas, which makes the received signals in the project areas to be well below the Grade A or B contour levels for the television stations. It is known that the installation of the wind turbines will attenuate the television signal if they are in the path between the station and the residence or business where the signal is received. Because the signals are weak to begin with the additional attenuation caused by the turbines may make some of the signals unsuitable for producing good video.
- The maximum number of off-air television stations available in the area are nine; one analog and eight digital stations. At the majority of test locations no more than five stations produced good video. The analog station which will soon be obsolete only produced satisfactory video at one of the twenty test locations.
- Cable TV is available in the larger communities in the area. This mode of television service will be undisturbed by the presence of wind turbines.
- Most homes in the area, whether in communities or farm houses do have off-air reception antennas and most of them are pointed toward Fort Wayne, Indiana. Many homes also have direct broadcast satellite (DBS) antennas.
- The area inside the three wind energy wind farms is exclusively agricultural and over 90% of the farms have off-air antennas. The average Farm is about 400 acres and appears to be privately owned. Reception issues may be encountered at these locations after the wind turbines are installed and the resolution to these issues will have to be handled on a case-by-case basis.
- One test point has been identified as being what can be referred to as the "Bell Weather" site. After installation of the wind turbines this test point can be re-

measured to make a definitive analysis on the impact of the turbines. The test points identified is TP17 (Northeast Blue Creek).

After construction of the wind turbines, if there are, areas experiencing degraded off-air TV receptions, investigations may be necessary to determine that the wind turbines are the actual cause of the problem. If the investigation shows that they are, a number of mitigation strategies may be implemented to restore the homes and businesses in the area to at least the same television coverage that existed prior to the installation of the wind turbine facilities

The mitigation methods may involve any of the following, either singly or in combination.

1. Installation of high-gain TV antenna on towers with rotors with preamplifier to boost the received signal level at individual reception sites. This fix may be the most suitable for farm homes and other remote sites where cable hook-up is not feasible.
2. Where cable television exists, provide cable hookups to sites affected. This fix applies inside communities that have existing cable systems.
3. Provide satellite TV reception service to homes affected. This fix would be suitable for both farm homes and remote sites as well as sites in communities.
4. Installation of a cable system to provide hookups to homes affected. This mitigation strategy may be suitable for a cluster of homes.
5. Installation of a wireless TV distribution system, to provide TV channels to a cluster of homes affected.
6. Provide a satellite head end reception point with a cable distribution system to a cluster of homes near the head end.

ATTACHMENTS

[Code of Federal Regulations]
[Title 47, Volume 4, Parts 70 to 79]
[Revised as of October 1, 1999]
From the U.S. Government Printing Office via GPO Access
[CITE: 47CFR73.685]

[Page 222-224]

TITLE 47--TELECOMMUNICATION

PART 73--RADIO BROADCAST SERVICES--Table of Contents

Subpart E--Television Broadcast Stations

Sec. 73.685 Transmitter location and antenna system.

(a) The transmitter location shall be chosen so that, on the basis of the effective radiated power and antenna height above average terrain employed, the following minimum field strength in dB above one uV/m will be provided over the entire principal community to be served:

Channels 2-6	Channels 7-13	Channels 14-69
74 dBu	77 dBu	80 dBu

(b) Location of the antenna at a point of high elevation is necessary to reduce to a minimum the shadow effect on propagation due to hills and buildings which may reduce materially the strength of the station's signals. In general, the transmitting antenna of a station should be located at the most central point at the highest elevation available. To provide the best degree of service to an area, it is usually preferable to use a high antenna rather than a low antenna with increased transmitter power. The location should be so chosen that line-of-sight can be obtained from the antenna over the principal community to be served; in no event should there be a major obstruction in this path. The antenna must be constructed so that it is as clear as possible of surrounding buildings or objects that would cause shadow problems. It is recognized that topography, shape of the desired service area, and population distribution may make the choice of a transmitter location difficult. In such cases, consideration may be given to the use of a directional antenna system, although it is generally preferable to choose a site where a nondirectional antenna may be employed.

[Code of Federal Regulations]
[Title 47, Volume 4]
[Revised as of October 1, 2003]
From the U.S. Government Printing Office via GPO Access
[CITE: 47CFR73.625]

[Page 205-209]

TITLE 47--TELECOMMUNICATION

COMMISSION (CONTINUED)

PART 73 _RADIO BROADCAST SERVICES--Table of Contents

Subpart E _Television Broadcast Stations

Sec. 73.625 DTV coverage of principal community and antenna system.

(a) Transmitter location. (1) The DTV transmitter location shall be chosen so that, on the basis of the effective radiated power and antenna height above average terrain employed, the following minimum F(50,90) field strength in dB above one uV/m will be provided over the entire principal community to be served:

Channels 2-6.....	35 dBu
Channels 7-13.....	43 dBu
Channels 14-69.....	48 dBu

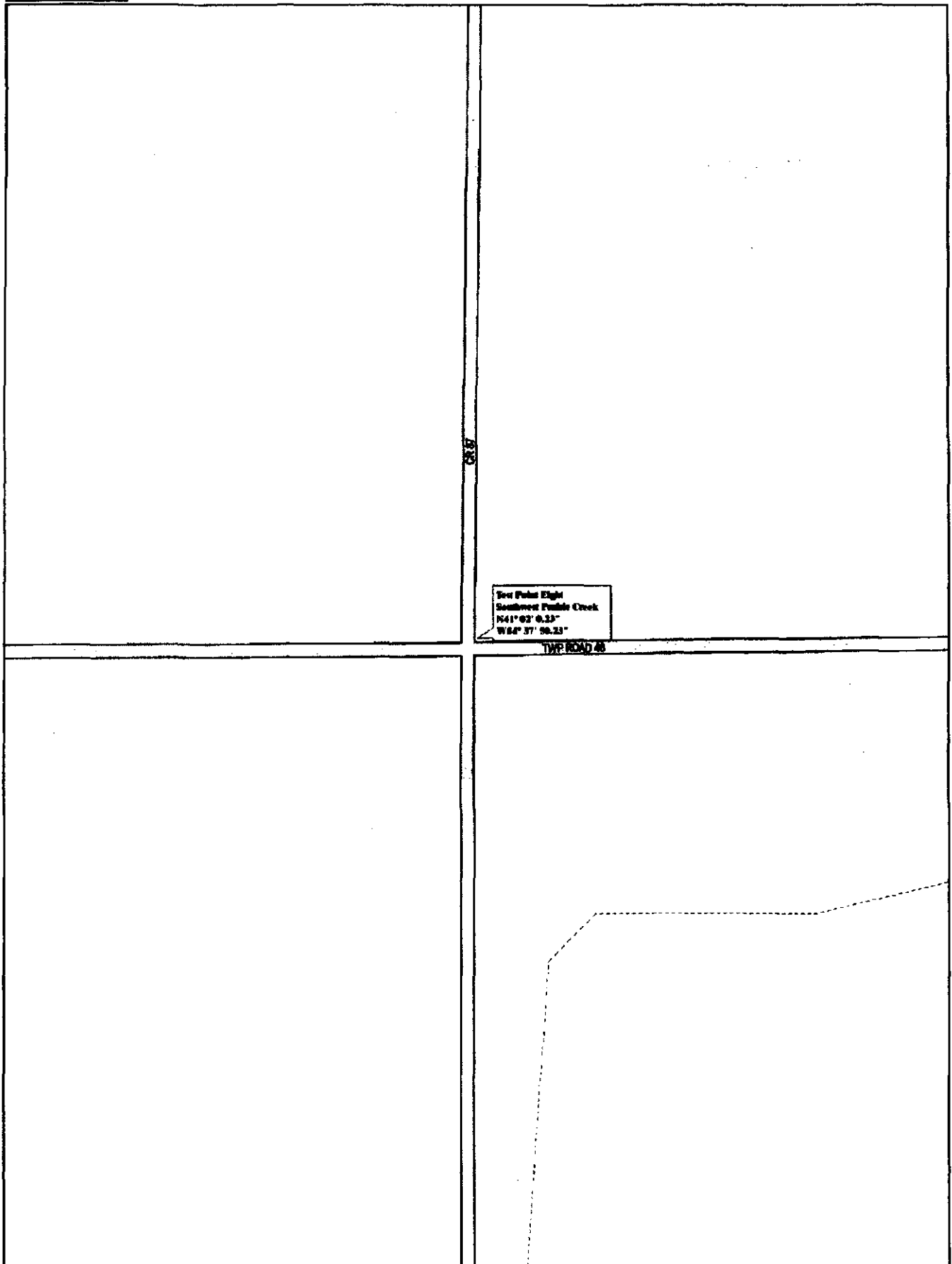
Note to paragraph (a)(1): These requirements above do not become effective until December 31, 2004 for commercial television licensees and December 31, 2005 for noncommercial television licensees. Prior to those dates, the following minimum F(50,90) field strength in dB above one uV/m must be provided over the entire principal community to be served:

Channels 2-6.....	28 dBu
Channels 7-13.....	36 dBu
Channels 14-69.....	41 dBu

(2) The location of the antenna must be so chosen that there is not a major obstruction in the path over the principal community to be served.

Appendix DD – Revised Layout Drawings

Revised civil drawings for the revised Project layout presented on Figure 5-10 (in this appendix) are included in this appendix.



Test Point Eight Southwest Prairie Creek

Dog Creek, Blue Creek, and Prairie Creek Wind Farms



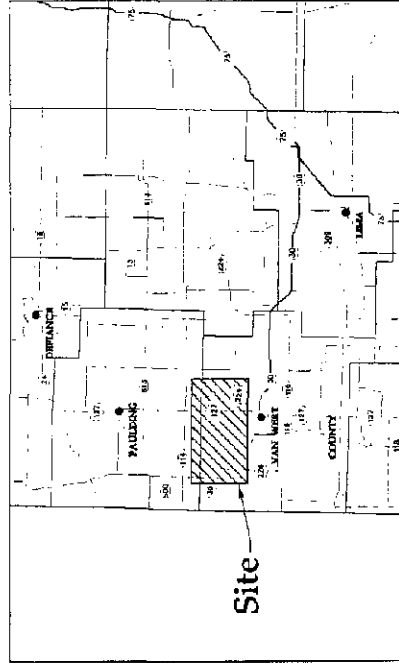
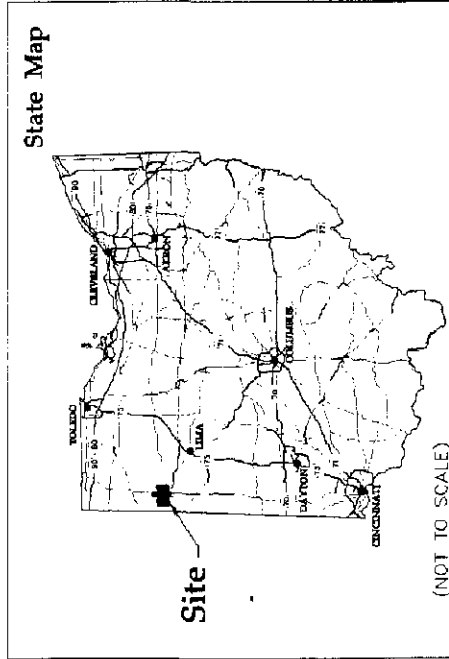
Figure 3.8-2 Site Photograph

Preliminary Civil Construction Plans

for
Wind Turbine Generators,
Access Roads, Drainage and
Erosion Control

for
Blue Creek Wind Farm
Paulding & Van Wert Counties, Ohio

NO.	DATE	REVISION	NOTES



Blue Creek
Wind Farm
Paulding & Van Wert
Counties, Ohio

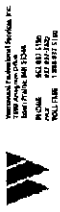
Cover

NOT FOR CONSTRUCTION

Date: 03/15/10

Sheet: 1 of 85

2002-B-15-00142



Woodward Clyde
10000 Woodward Avenue
Suite 100
Baltimore, MD 21206
410.527.1000
www.woodwardclay.com

Project Name	Blue Creek Wind Farm
Client	Paulding & Van Wert
Location	Paulding & Van Wert Counties, Ohio
Scale	1" = 100'

Proposed Use

BEROOLA
REDEVELOPMENT
100 Northwest Coast, Suite 200
Portland, Oregon 97208

LEGEND:
● TURBINE LOCATION
T-XX TURBINE NUMBER
--- POWER LINES
--- DRAINAGE (DRAINAGE)



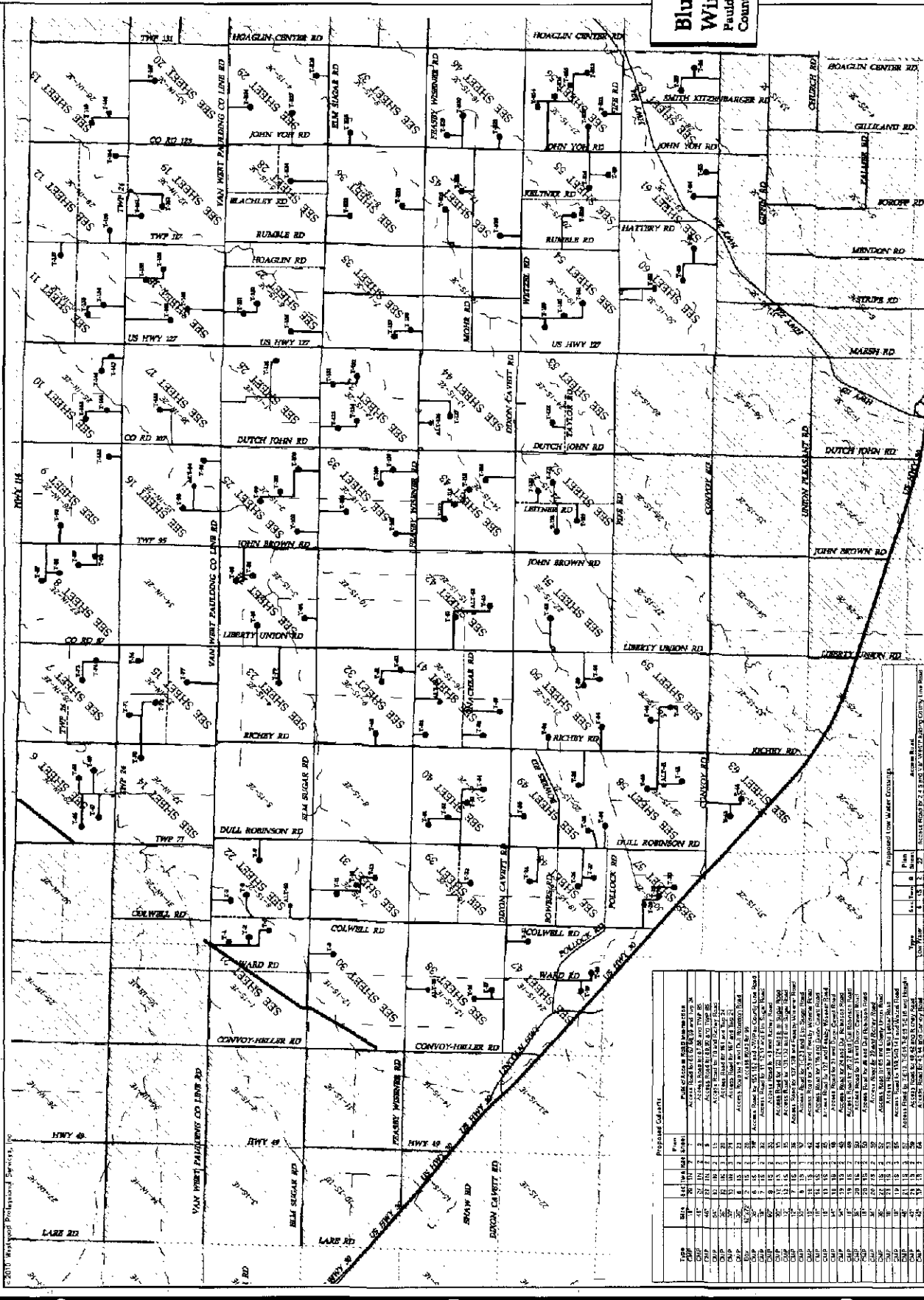
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Blue Creek
Wind Farm
Paulding & Van Wert
Counties, Ohio

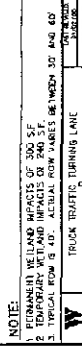
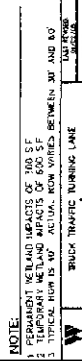
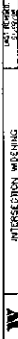
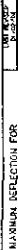
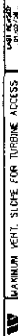
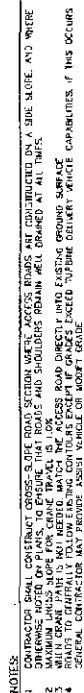
Overall Civil Site Plan

NOT FOR CONSTRUCTION

Date: 03/12/10
Sheet: 2 OF 85



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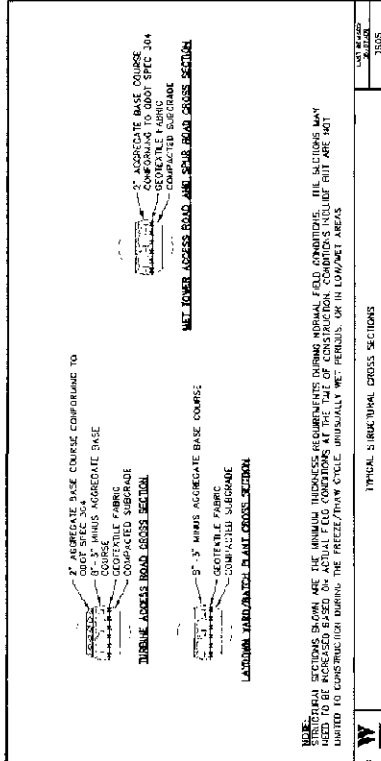
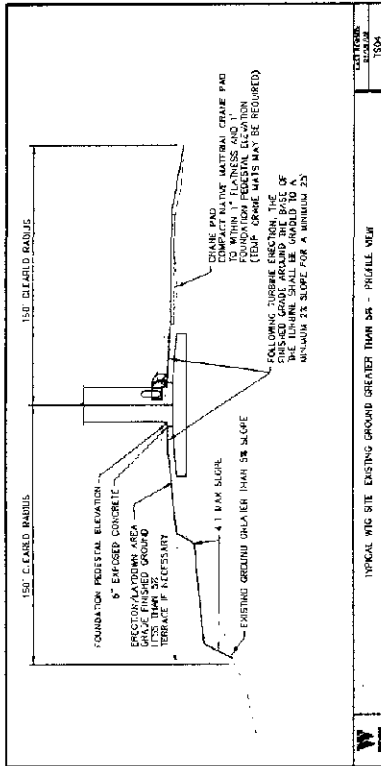
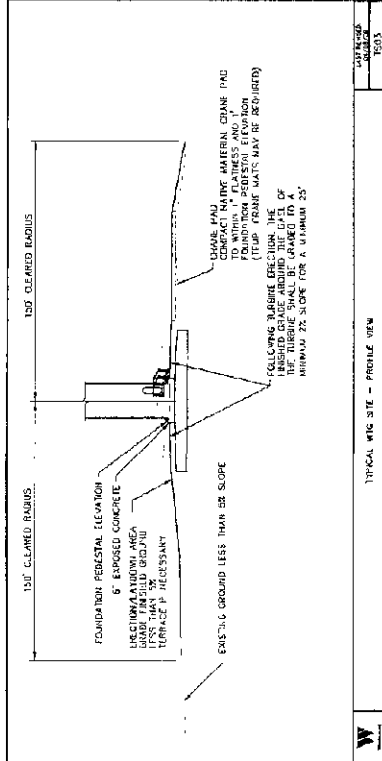
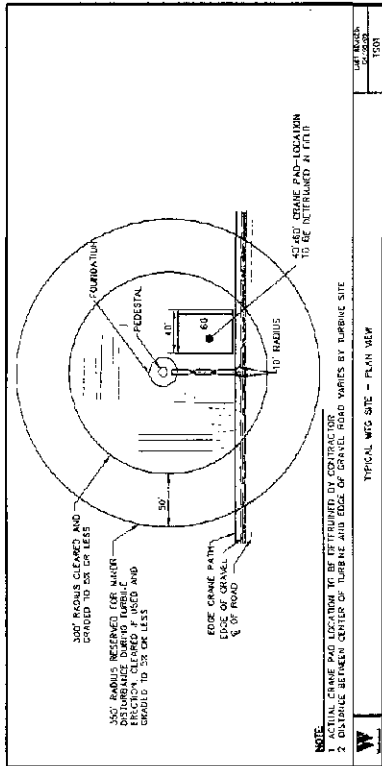
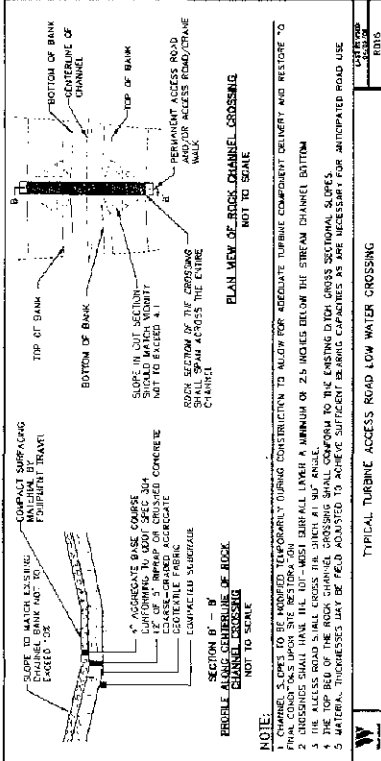
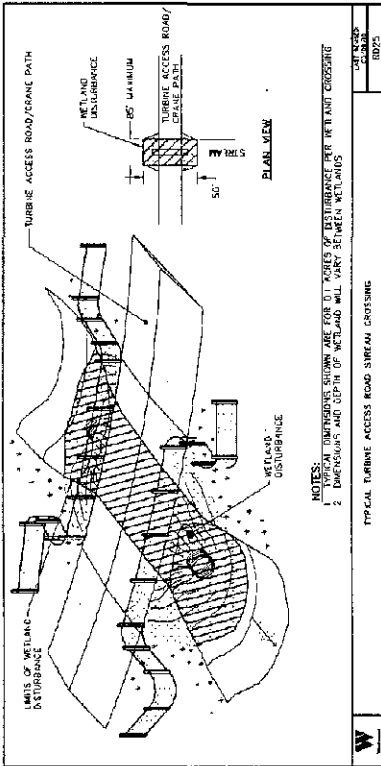


**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

Construction Details

NOT FOR CONSTRUCTION

Date: 03/12/10
Sheet: 3 of 85
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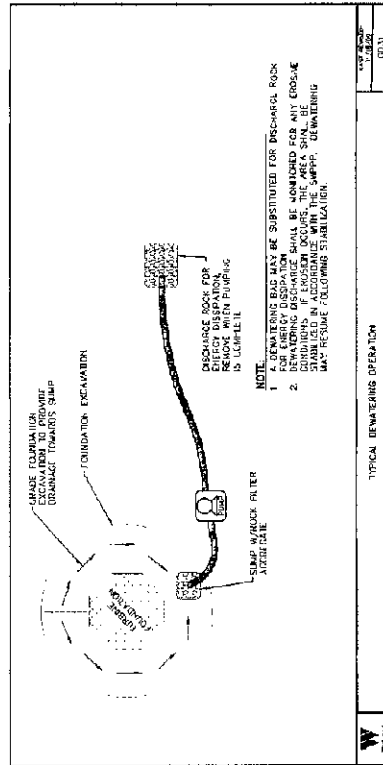
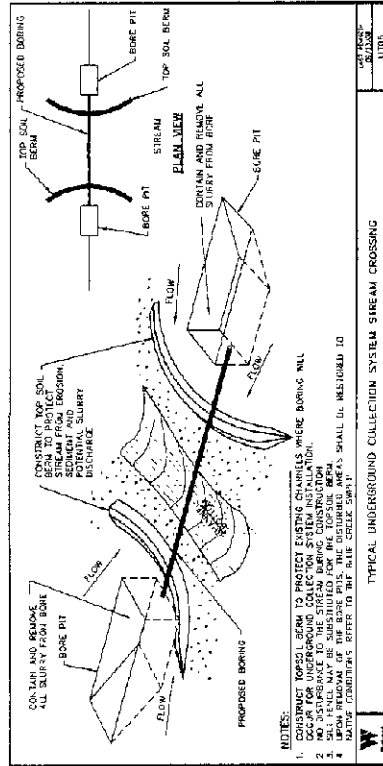
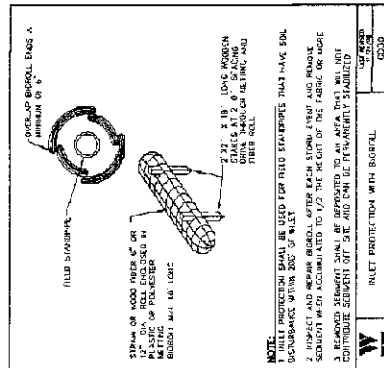
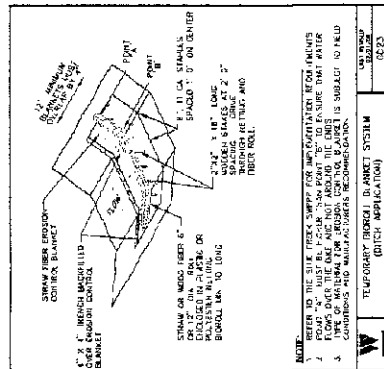
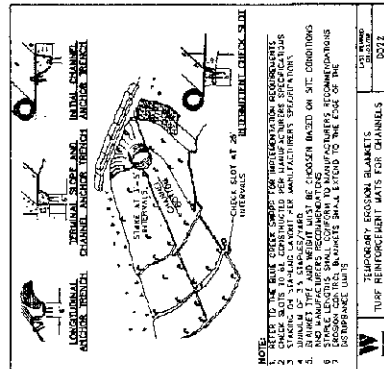
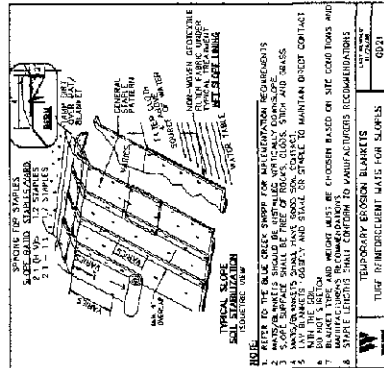
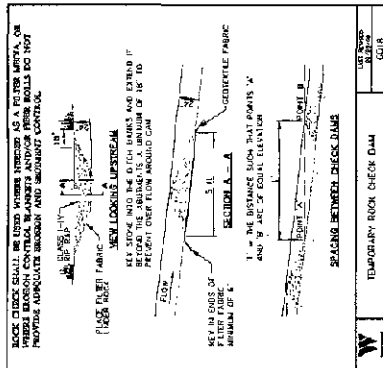
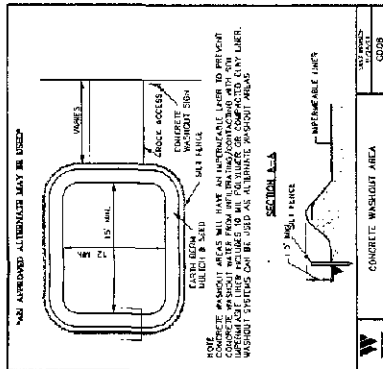
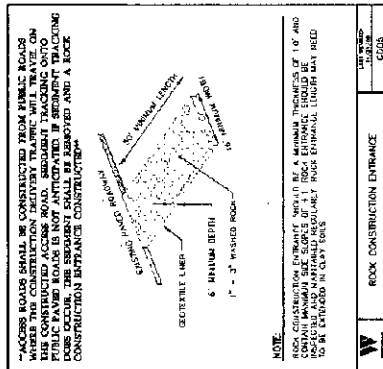
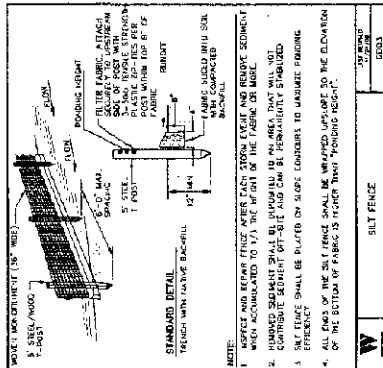


Blue Creek
Wind Farm
Paulding & Van Wert
Counties, Ohio

Construction Details

NOT FOR CONSTRUCTION

Date: 09/12/10
Sheet: 4 of 10



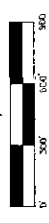
**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

SWPPP Details

NOT FOR CONSTRUCTION

01/06/2010

Slide 5 of 85



Blue Creek Wind Farm
Paulding & Van Wert Counties, Ohio

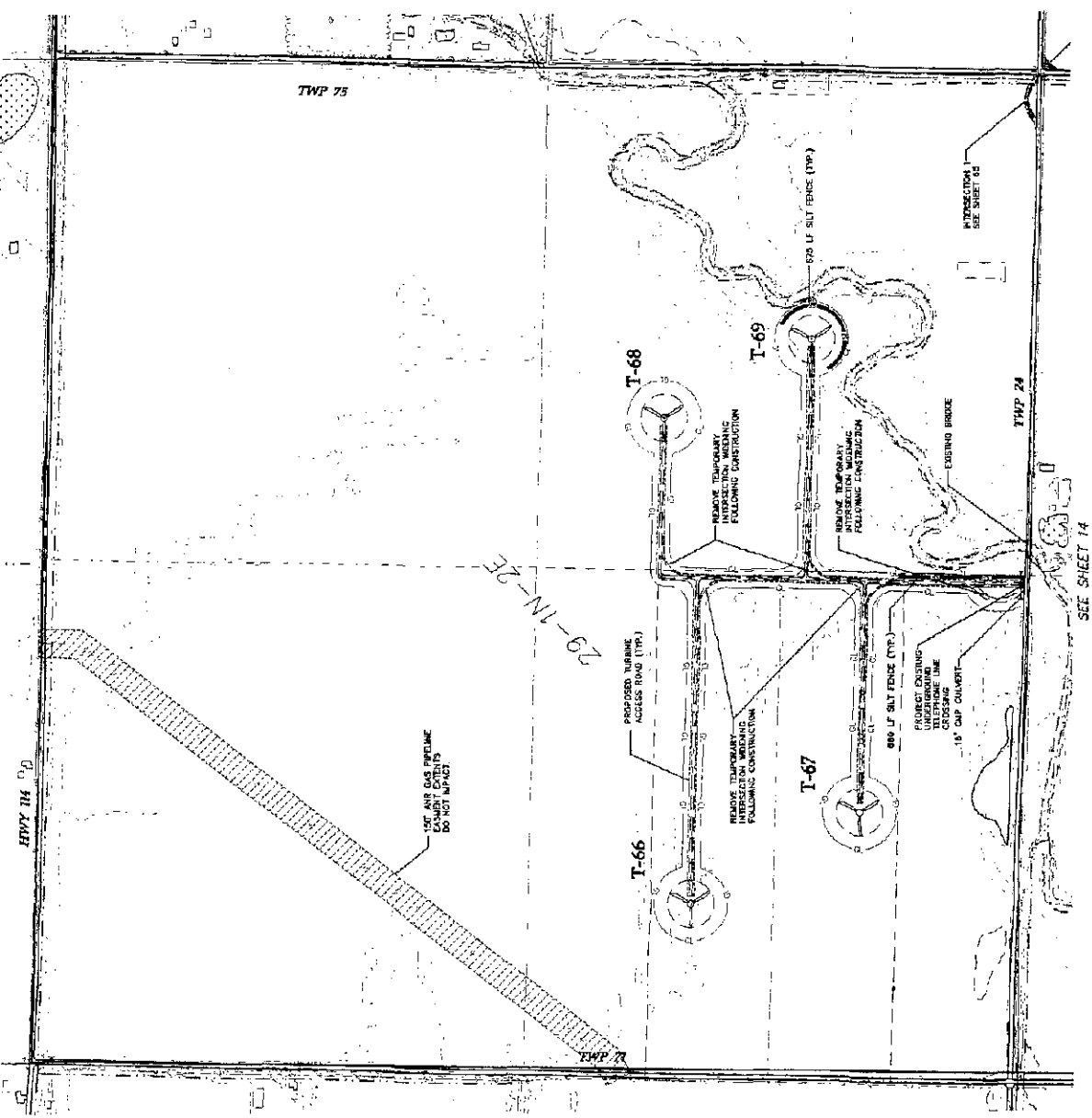
Civil Site Plan

NOT FOR CONSTRUCTION

Date: 05/12/10
Sheet: 6 OF 85

- LEGEND:**
- T-X: TURBINE LOCATION
 - : PROPOSED ACCESS ROADS
 - : PROPOSED GATE
 - : PROPOSED FENCE
 - : PROPOSED UNDERGROUND COLLECTION SYSTEM
 - : PROPOSED SILENT FENCE
 - : PROPOSED SILENT FENCE
 - : EXISTING FENCE
 - : EXISTING TELEPHONE LINE
 - : EXISTING POWER LINE
 - : EXISTING WATER LINE
 - : EXISTING GAS PIPELINE
 - : EXISTING 1" C&G
 - : EXISTING 2" C&G
 - : EXISTING TREE LINE
 - : EXISTING WATERWAY
 - : OUTSIDE OF PROJECT BOUNDARY
 - : NW METLAND
- CONTOUR DATA HAS BEEN OBTAINED FROM A PREVIOUS SURVEY AND IS SHOWN HEREIN AS A RESULT OF THE NEW TURBINE LAYOUT.

SEE SHEET 7



KEY MAP

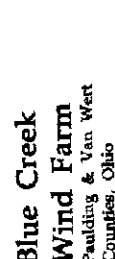
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SEE SHEET 14

Prepared for:

 **IBERDROLA**
RENEWABLES

1125 Northwest Couch, Suite 708
Portland, Oregon 97209



Civil Site Plan

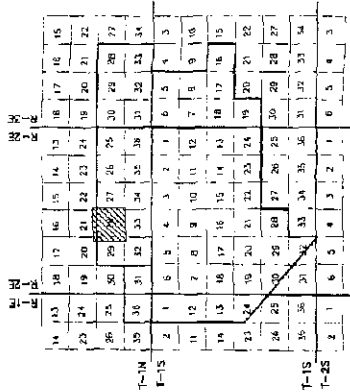
NOT FOR CONSTRUCTION

Date 03/12/10 Sheet 7 of 85

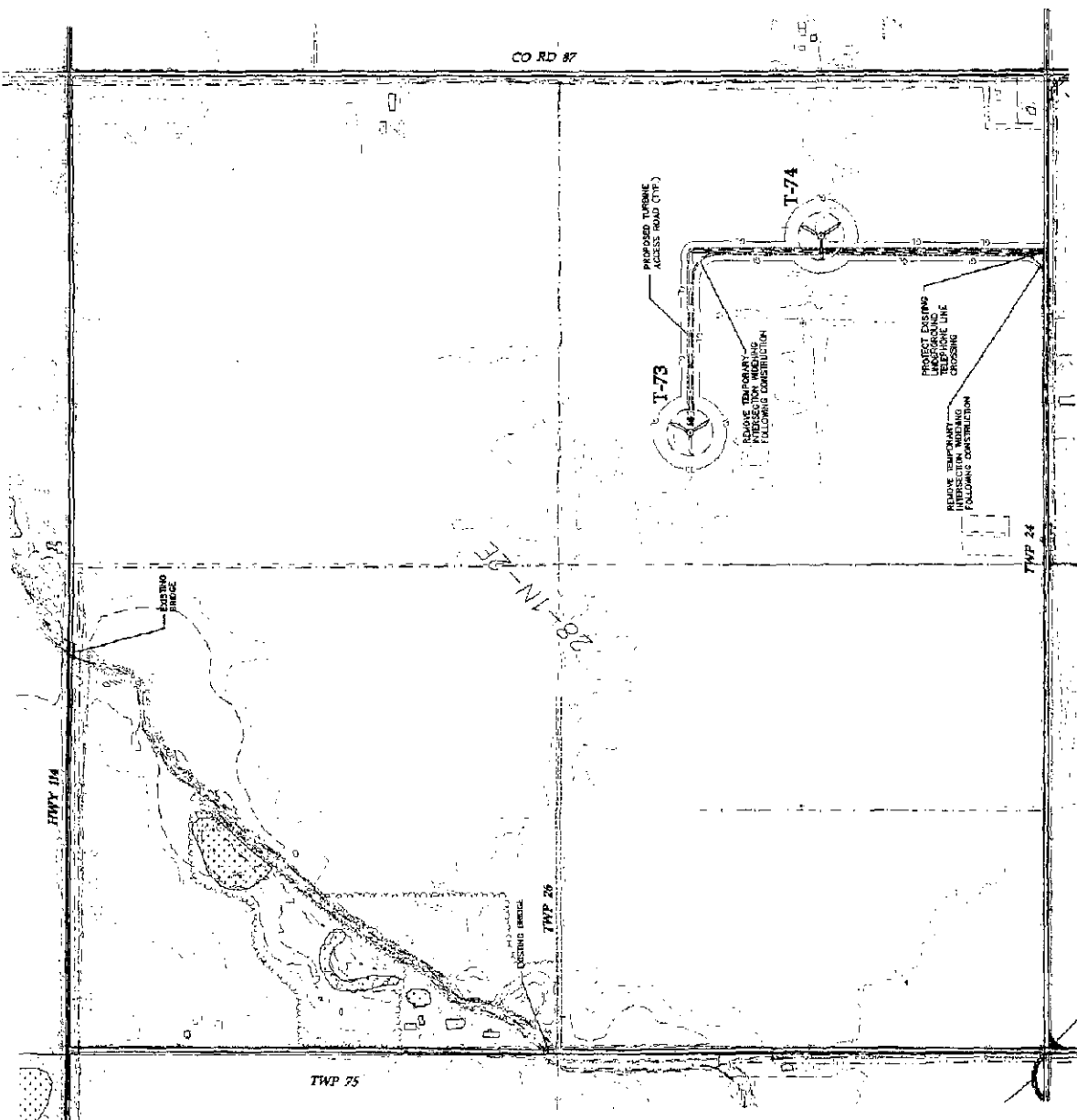
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T-XX	TURBINE LOCATION TURBINE NUMBER PROPOSED ACCESS ROADS PROPOSED EJECT PROPOSED POWERHOUSE PROPOSED BENTHAMEX LIMITS PROPOSED NICE EXISTING POWER EXISTING TELEPHONE LINE EXISTING WATER LINE EXISTING GAS PIPELINE EXISTING HIGH VOLTAGE EXISTING TRUCK ROAD EXISTING WATERWAY OUTLINE OF PROJECT BOUNDARY	NW NELAND CONTIGUOUS DATA HAS BEEN OBTAINED FROM A SURVEY OF THE PROJECT AREA, AND IS A RESULT OF THE NEW TURBINE INSTALLATION.
------	---	--

SEE SHEET 8



KEY MAP



SEE SHEET 6

51 LETHS 335



Blue Creek
 Wind Farm
 Paulding & Van Wert
 Counties, Ohio

Civil Site Plan

NOT FOR CONSTRUCTION

Date: 03/27/10
 Sheet: 9 of 35

- LEGEND:**
- TURBINE LOCATION
 - T-XX
 - PROPOSED ACCESS ROADS
 - PROPOSED FENCE
 - EXISTING UNDERGROUND
 - PROPOSED OVERHEAD
 - PROPOSED RIGHT-OF-WAY LIMITS
 - PROPOSED CANAL
 - PROPOSED SILT FENCE
 - EXISTING POWER LINE
 - EXISTING OVERHEAD POWER
 - EXISTING FIBER OPTIC LINE
 - EXISTING WATER LINE
 - EXISTING GAS LINE
 - EXISTING F CONTOURS
 - EXISTING TREE LINE
 - EXISTING WATERWAY
 - OUTSIDE OF THUNDER BOUNDARY
 - NEW WETLAND

CAUTION: DATA HAS BEEN DERIVED FROM A
 SOURCE THAT IS NOT A PROFESSIONAL SURVEY
 A RESULT OF THE NEW TURBINE ARRAY

SEE SHEET 10

CO RD 107

T-142

REMOVE TEMPORARY
 INTERSECTION MARKING
 FOLLOWING CONSTRUCTION

SEE SHEET 16

TWP 24 N D

JOHN BROWN RD

SEE SHEET 8

KEY MAP

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]

— 47 —

**BERRODIA
RENEGABLES**
1125 Northwest Couch, Suite 700
Portland, OR 97209

[illegible]

**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

Civil Site Plan

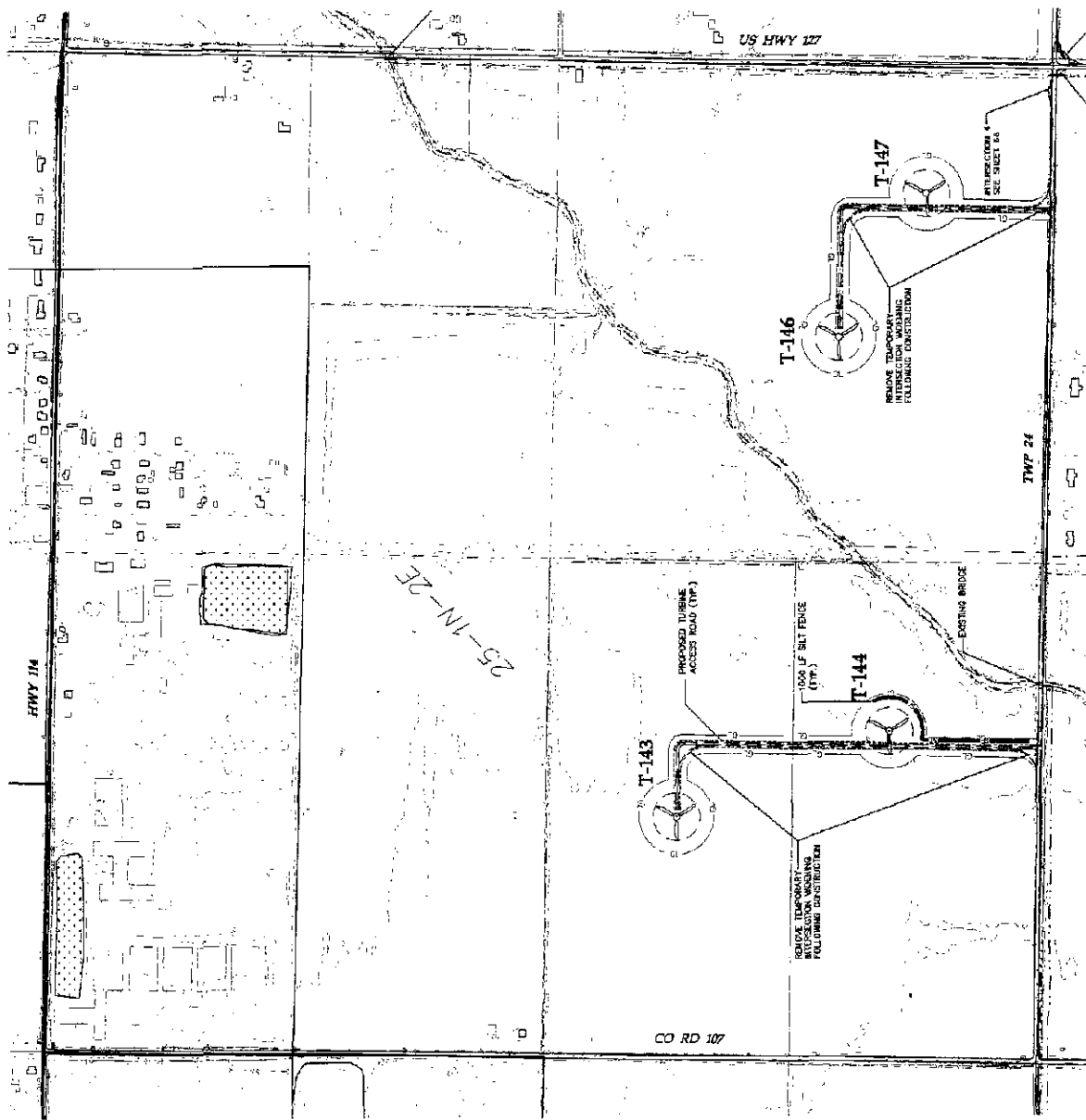
NOT FOR CONSTRUCTION

12/12/16

June 10 of 85

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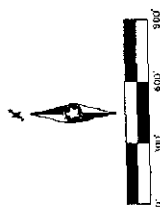
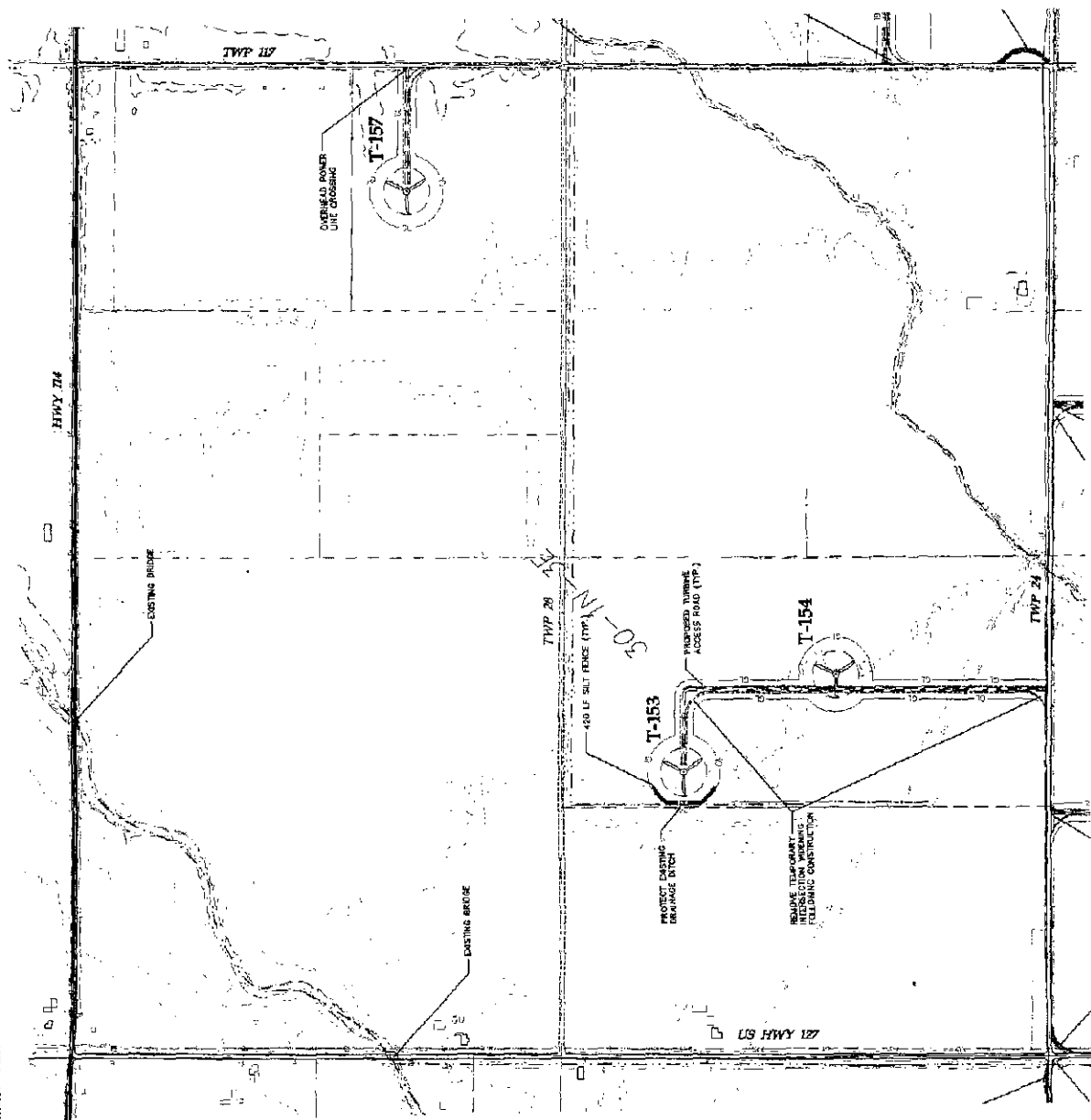
SEE SHEET 17



SEE SHEET 17

KEY MAP

| | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|
| 14 | 13 | 18 | 17 | 10 | 14 | 17 | 18 | 17 | 16 | 16 |
| 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 21 | 22 | 22 |
| 26 | 25 | 30 | 29 | 13 | 47 | 76 | 50 | 29 | 20 | 27 |
| 35 | 36 | 34 | 33 | 34 | 35 | 36 | 31 | 32 | 33 | 34 |
| 2 | 1 | 6 | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 |
| 11 | 12 | 7 | 8 | 9 | 10 | 11 | 12 | 9 | 8 | 10 |
| 14 | 13 | 18 | 17 | 16 | 15 | 14 | 13 | 16 | 17 | 16 |
| 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 21 | 22 |
| 26 | 25 | 30 | 29 | 28 | 9 | 26 | 25 | 30 | 28 | 27 |
| 35 | 36 | 34 | 33 | 34 | 35 | 36 | 31 | 32 | 33 | 34 |
| 2 | 1 | 6 | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 |



**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

Civil Site Plan

NOT FOR CONSTRUCTION

Date 03/12/10
Seed 11 lot 85

| | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 14 | 13 | 18 | 17 | 16 | 12 | 13 | 18 | 17 | 16 | 15 |
| 2 | 1 | 5 | 4 | 3 | 2 | 1 | 6 | 5 | 4 | 3 | |
| 3 | 11 | 12 | 7 | 6 | 8 | 10 | 11 | 12 | 7 | 6 | 9 |
| 4 | 14 | 13 | 18 | 17 | 16 | 15 | 14 | 13 | 18 | 17 | 15 |
| 5 | 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 |
| 6 | 26 | 25 | 30 | 29 | 28 | 27 | 28 | 29 | 28 | 27 | 26 |
| 7 | 35 | 36 | 31 | 32 | 33 | 34 | 35 | 36 | 31 | 32 | 33 |
| 8 | 44 | 45 | 40 | 41 | 42 | 43 | 44 | 45 | 40 | 41 | 42 |
| 9 | 53 | 54 | 49 | 50 | 51 | 52 | 53 | 54 | 49 | 50 | 51 |
| 10 | 62 | 63 | 58 | 59 | 60 | 61 | 62 | 63 | 58 | 59 | 60 |

KEY MAP

**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

Civil Site Plan

NOT FOR CONSTRUCTION

Date: 03/12/10
Page 13 of 85

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LEGEND:

[illegible]

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CONTOUR DATA HAS BEEN OBTAINED FROM A PUBLIC DATA SOURCE FOR SOME SUBMITTAL AS A RESULT OF THE NEW TURBINE ARRAY.

| | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 14 | 133 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 17 | 16 | 15 |
| 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 |
| 25 | 25 | 32 | 28 | 28 | 27 | 26 | 25 | 30 | 29 | 28 | 27 |
| 35 | 36 | 31 | 32 | 33 | 34 | 35 | 36 | 21 | 22 | 23 | 24 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 |
| 111 | 112 | 7 | 8 | 9 | 10 | 11 | 12 | 7 | 8 | 9 | 10 |
| 14 | 13 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 17 | 16 | 15 |
| 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 |
| 25 | 25 | 32 | 28 | 28 | 27 | 26 | 25 | 30 | 29 | 28 | 27 |
| 35 | 36 | 31 | 32 | 33 | 34 | 35 | 36 | 21 | 22 | 23 | 24 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 |
| 111 | 112 | 7 | 8 | 9 | 10 | 11 | 12 | 7 | 8 | 9 | 10 |
| 14 | 13 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 17 | 16 | 15 |
| 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 |
| 25 | 25 | 32 | 28 | 28 | 27 | 26 | 25 | 30 | 29 | 28 | 27 |
| 35 | 36 | 31 | 32 | 33 | 34 | 35 | 36 | 21 | 22 | 23 | 24 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 |
| 111 | 112 | 7 | 8 | 9 | 10 | 11 | 12 | 7 | 8 | 9 | 10 |
| 14 | 13 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 17 | 16 | 15 |
| 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 |
| 25 | 25 | 32 | 28 | 28 | 27 | 26 | 25 | 30 | 29 | 28 | 27 |
| 35 | 36 | 31 | 32 | 33 | 34 | 35 | 36 | 21 | 22 | 23 | 24 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 |
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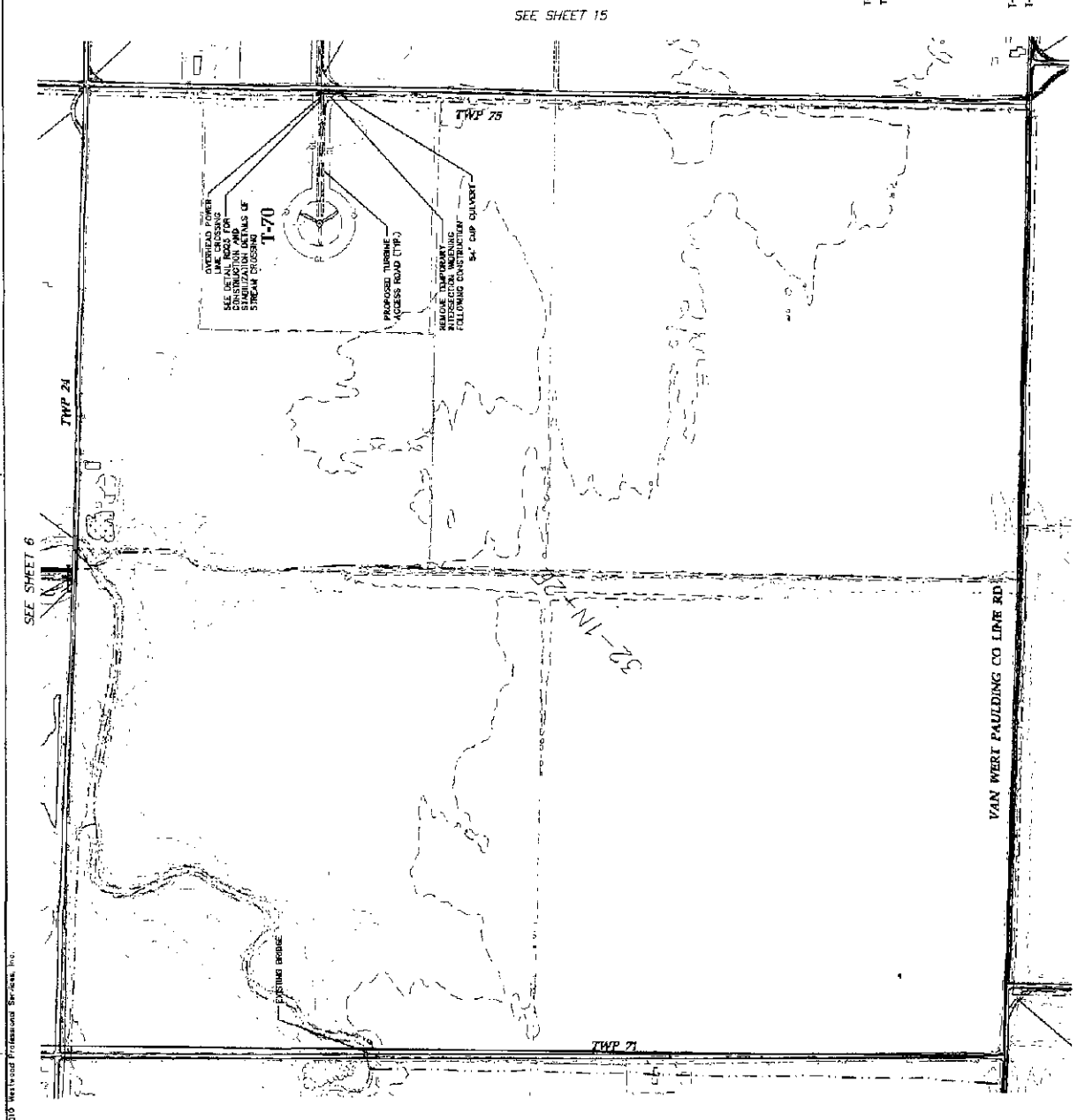
KEY MAP

2010 Westwood Professional Services, Inc.

SEE SHEET 12

SEE SHEET 20

- LEGEND:**
- THURNE LOCATION
 - PROPOSED ACCESS ROADS
 - PROPOSED FENCE
 - PROPOSED UNDERGROUND
 - PROPOSED OVERHEAD
 - PROPOSED SUT FENCE
 - PROPOSED SUT FENCE
 - EXISTING FENCE
 - EXISTING OVERHEAD POWER
 - EXISTING UNDERGROUND POWER
 - EXISTING WATER LINE
 - EXISTING SEWER LINE
 - EXISTING 20' CONTROLS
 - EXISTING 2' CONTROLS
 - EXISTING TREE LINE
 - EXISTING WATERWAY
 - OUTSIDE OF PROJECT BOUNDARY
 - IN NETLAND
- CONTOUR DATA HAS BEEN DERIVED FROM A SURVEY OF THE PROJECT AREA AS A RESULT OF THE NEW TURNING ARROYO.



KEY MAP

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 14 | 13 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 |
| 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 |
| 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 |
| 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 |
| 64 | 63 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 |
| 74 | 73 | 72 | 71 | 70 | 69 | 68 | 67 | 66 | 65 | 64 | 63 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 |
| 84 | 83 | 82 | 81 | 80 | 79 | 78 | 77 | 76 | 75 | 74 | 73 | 72 | 71 | 70 | 69 | 68 | 67 | 66 | 65 |
| 94 | 93 | 92 | 91 | 90 | 89 | 88 | 87 | 86 | 85 | 84 | 83 | 82 | 81 | 80 | 79 | 78 | 77 | 76 | 75 |
| 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 95 | 94 | 93 | 92 | 91 | 90 | 89 | 88 | 87 | 86 | 85 |

KEY MAP

**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

Civil Site Plan

NOT FOR CONSTRUCTION

Date: 05/02/10
Sheet: 14 OF 80

1001110 0 9/1/10

LEGEND:

27VP 24

INTERSECTION 4
OFF SHELF ES

U.S. HWY 127

SEE SHEET 18

SEE SHEET 26

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**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

Civil Site Plan

NOT FOR CONSTRUCTION

Date: 03/12/10

Sheet 17 of 15

515 (0208517-7): 600X

T-145

3

EXISTING BRIDGE

PROPOSED TURBINE

PROTECT EXISTING
UNDERGROUND TELEPHONE
LINE CROSSING

CO RD 207

VAN WERT PAULDING CO LINE RD

DATA ANALYSIS

SEE SHEET 18

SEE SHEET 18

SEE SHEET 26

25-
26-

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**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

Civil Site Plan

NOT FOR CONSTRUCTION

Date: 03/12/10

Sheet 17 of 15

515 (0208517-7): 60032

SEE SHEET 27





SEE SHEET 28

SEE SHEET 18

SEE SHEET 13

12

REMOVE TEMPORARY
INTERSECTION WIDENING
FOLLOWING CONSTRUCTION

T-167

CO RD 123

SEE SHEET 19

TWP 131

VAN WERT PAULING CO LINE RD

SEE SHEET 29

INTERSECTION 11
PAGE 60/67 70

LEGEND:

CONFIDENTIAL

CONFIDENTIAL DATA HAS BEEN OBTAINED FROM A PUBLIC DATA SOURCE FOR SOX SUBMITTAL AS A RESULT OF THE NEW TURBINE ARRAY.

NW WETLAND

UNIT 13

CONTOUR DATA HAS BEEN OBTAINED FROM A PUBLIC DATA SOURCE FOR SOX SUBMITTAL AS A RESULT OF THE NEW TURBINE ARRAY.

Prepared for



**IBERDROLA
RENEWABLES**
1125 Northwest Couch, Suite 700
Portland, Oregon 97209

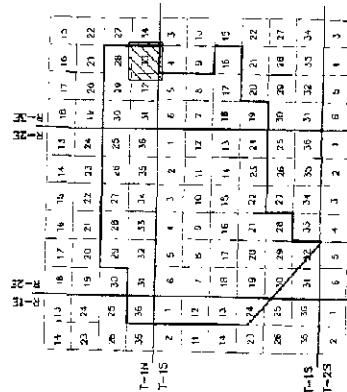
Prepared for

**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

Civil Site Plan

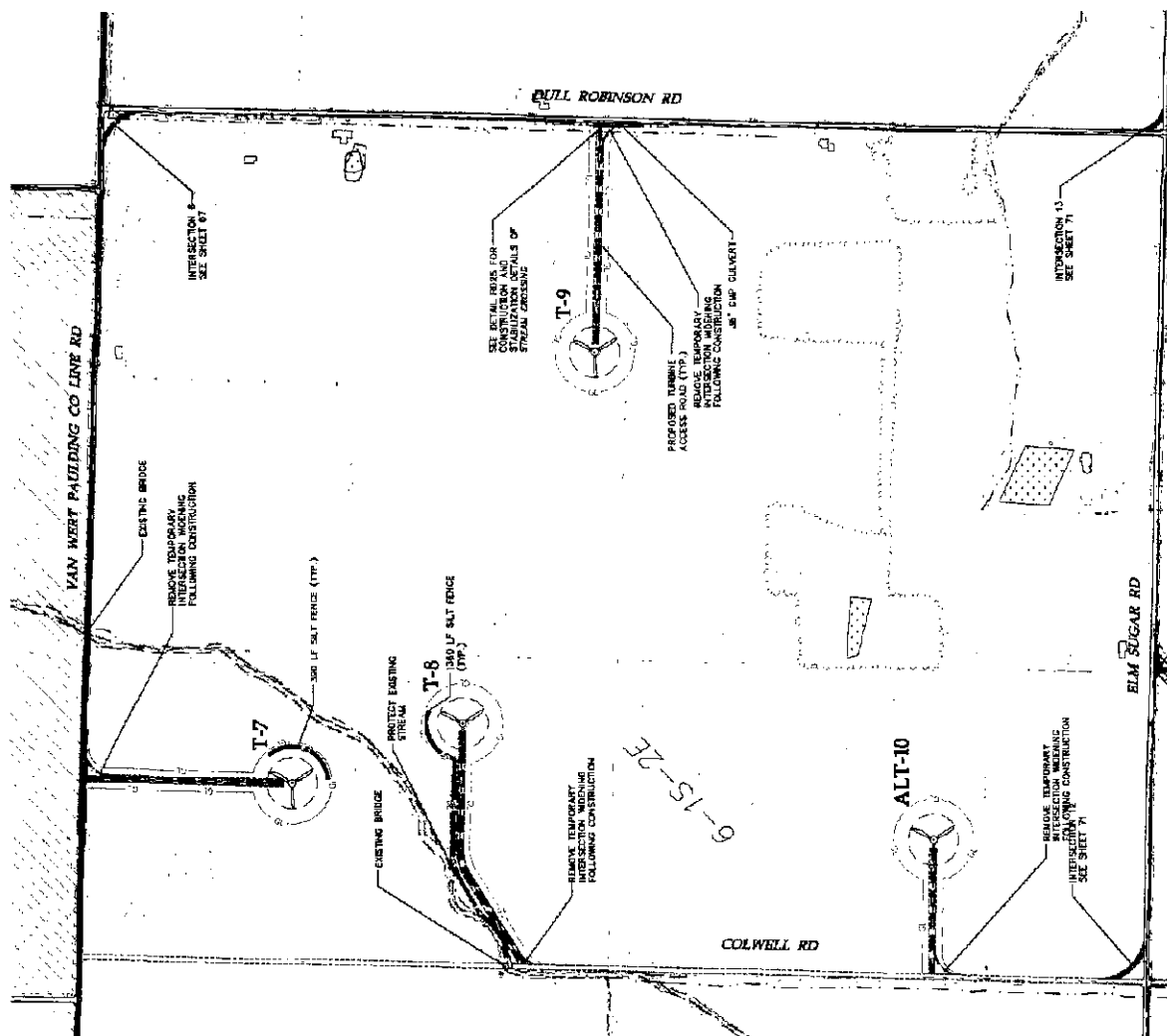
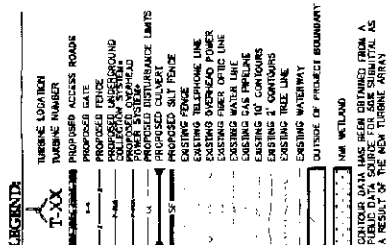
NOT FOR CONSTRUCTION

Case: 03/12/10
Sheet: 20 of 85

$$E_{\text{eff}} = -\frac{1}{2} \frac{d^2 \ln Z}{d\beta^2}$$


KEY MAP





SEE SHEET 21

**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

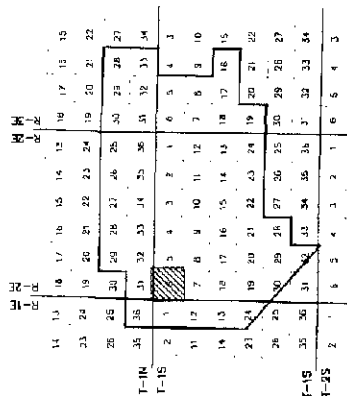
Civil Site Plan



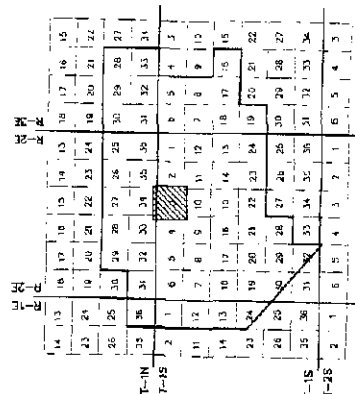
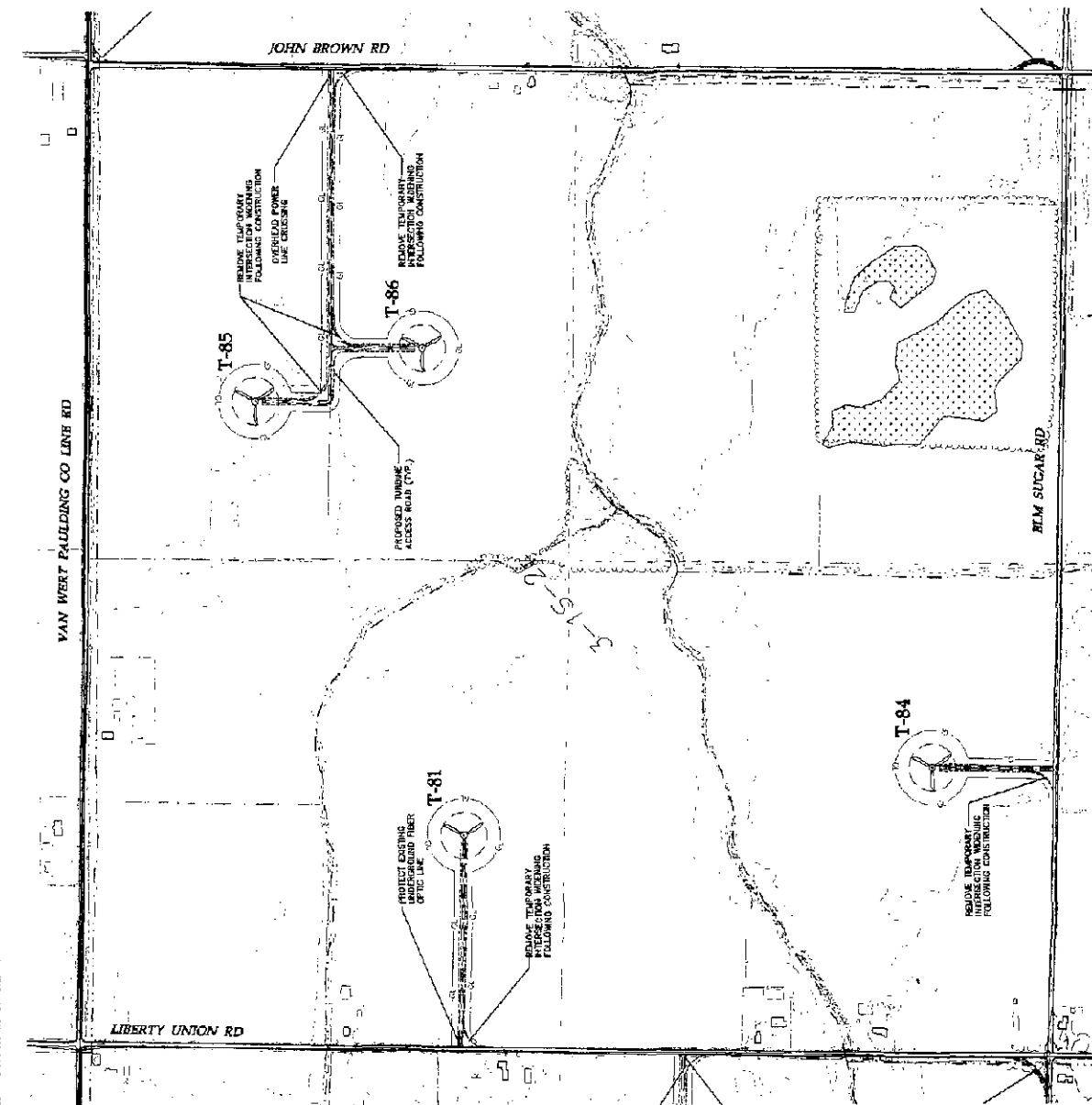
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08/29/20

Sheet 22 OF 85



KEY MAP

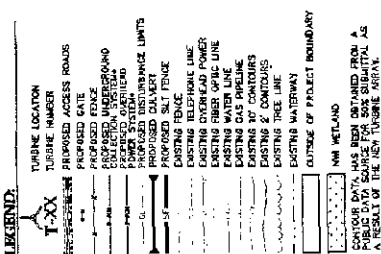


NOT FOR CONSTRUCTION

Date 03/22/10

Date: 24 of 85

1. **QUESTION**
 2. **ANSWER**
 3. **EXPLANATION**



IBERDROLA
RENEWABLES
125 Northwest Couch, Suite 700
Portland, Oregon 97209



**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

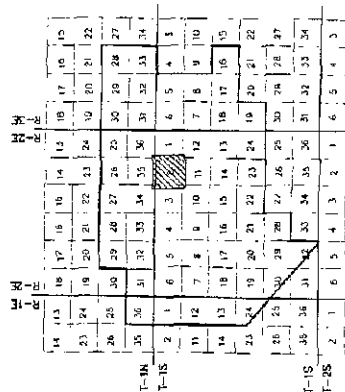
Civil Site Plan

NOT FOR CONSTRUCTION

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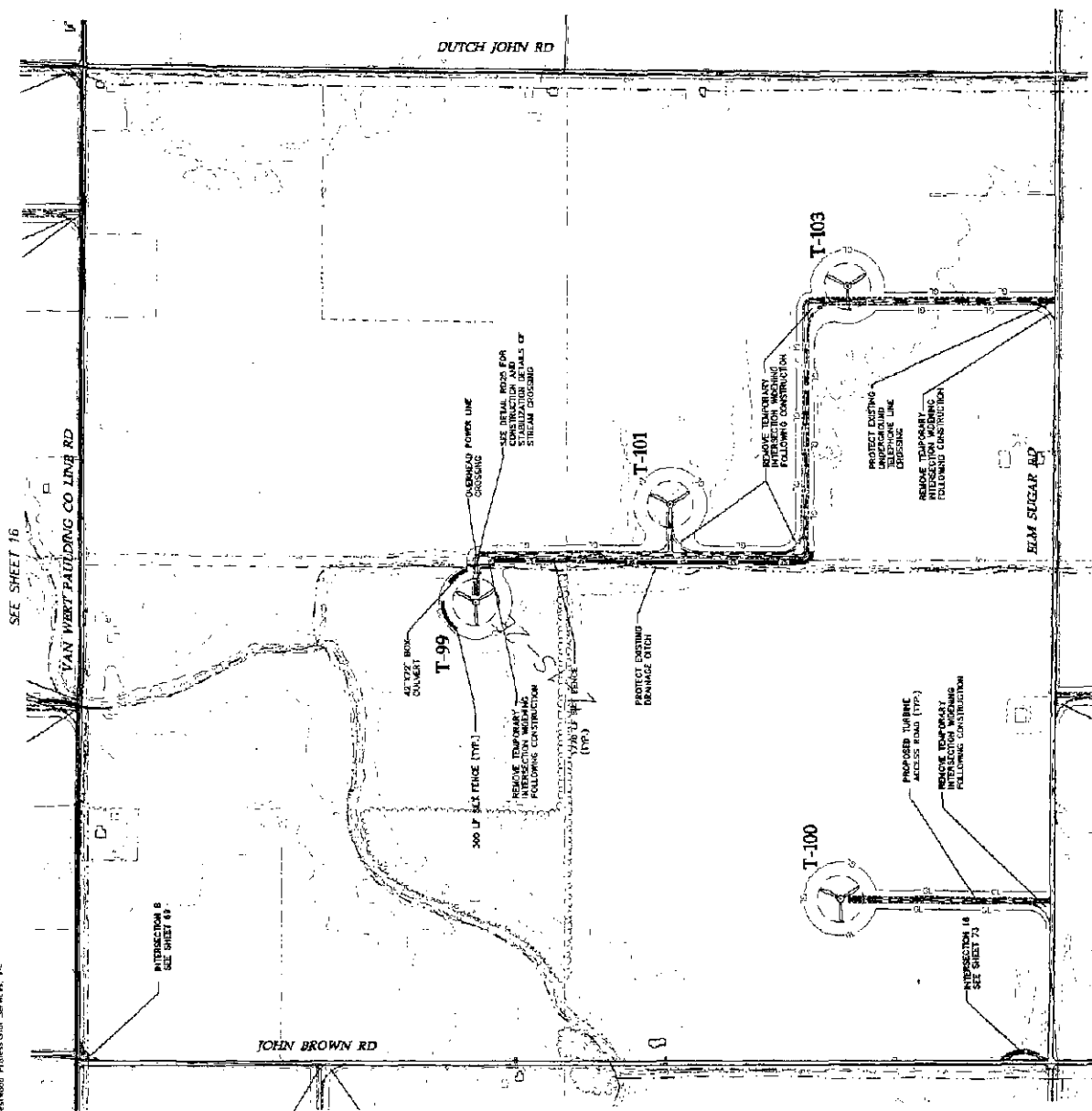
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Probability - Pol. Sci.



KEY MAP

SEE SHEET 26



OFF CHIEF 33

SFF SHEET 25

SEE SHEET 17

DUTCH JOHN RD

SEE SHEET 25

Abstract

[illegible]

SEE SHEET 27

US HWY 125

T-128

—250 LF SALT FENCE (TYP.)

PROPOSED TURBINE
ACCESS ROAD (TOP)

OVER-HEAD POWER LINE

CROSSING

WATER-SECTION 17-
OFF SHEET 23

ELM SUGAR RD

DE LEEHS EES

KEY MAP

**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

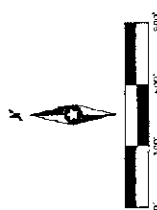
Civil Site Plan

NOT FOR CONSTRUCTION

ONE 03/13/88

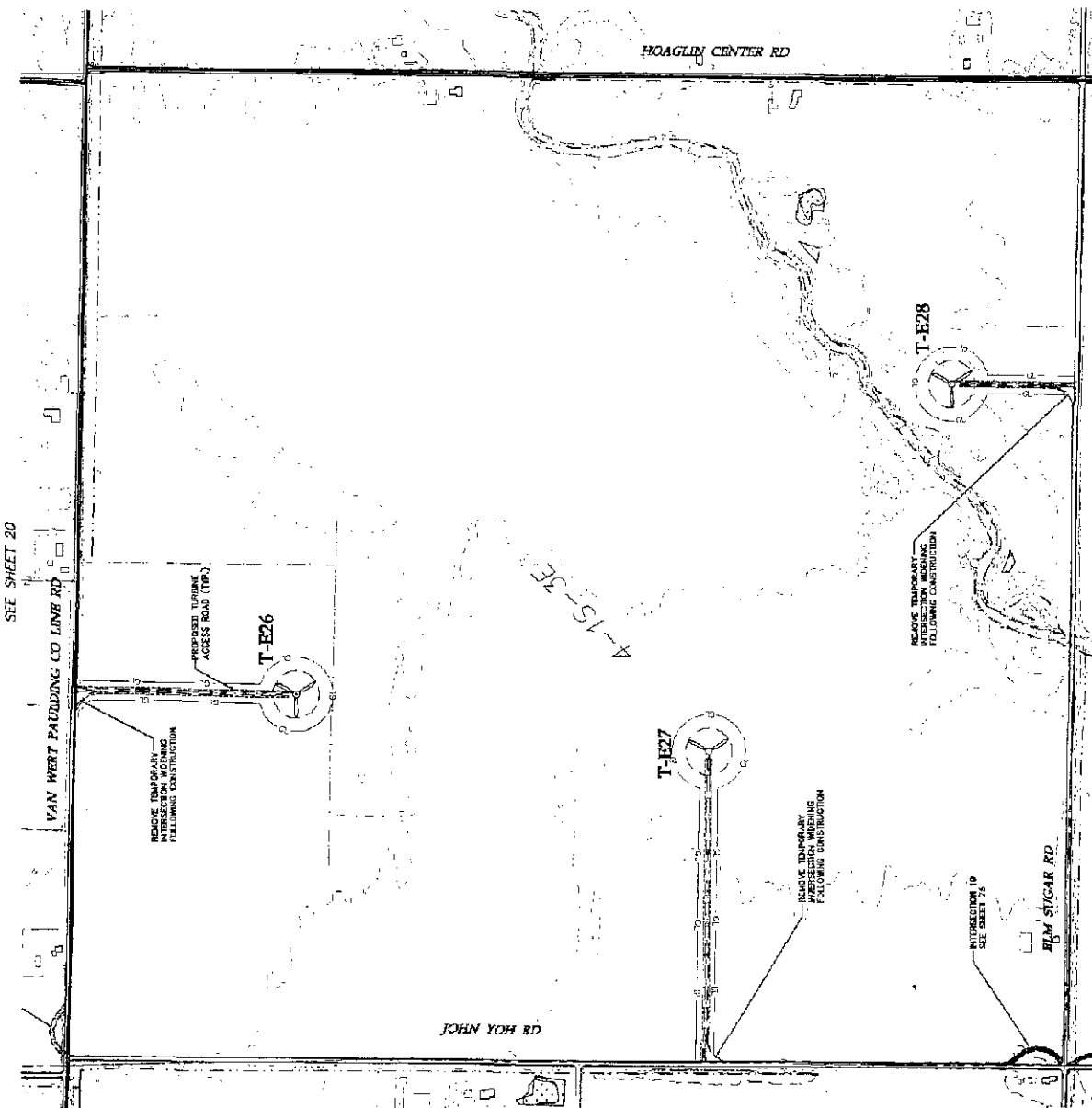
26 OF 85

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LEGEND:

TURBINE LOCATION
 TURBINE NUMBER
 PROPOSED ACCESS ROADS
 PROPOSED FENCE
 PROPOSED UNDERGROUND
 PROPOSED OVERHEAD
 PROPOSED DISTANCE LIMITS
 PROPOSED SUT FENCE
 EXISTING FENCE
 EXISTING UNDERGROUND POWER
 EXISTING OVERHEAD POWER
 EXISTING WATER LINE
 EXISTING GAS LINE
 EXISTING 2" CONTOURS
 EXISTING 1" CONTOURS
 EXISTING 1/2" CONTOURS
 EXISTING 1/4" CONTOURS
 EXISTING WATERWAY
 EXISTING WETLANDS
 EXISTING PROJECT BOUNDARY
 1/4" MILE SCALE
 CONTOUR INTERVALS DERIVED FROM A
 1/4" MILE SCALE FOR THE SITE, AS
 A RESULT OF THE NEW TURBINE ARRAY.



SEE SHEET 20

SEE SHEET 37

SEE SHEET 28

KEY MAP

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Blue Creek Wind Farm Paukling & Van Wert Counties, Ohio

Civil Site Plan

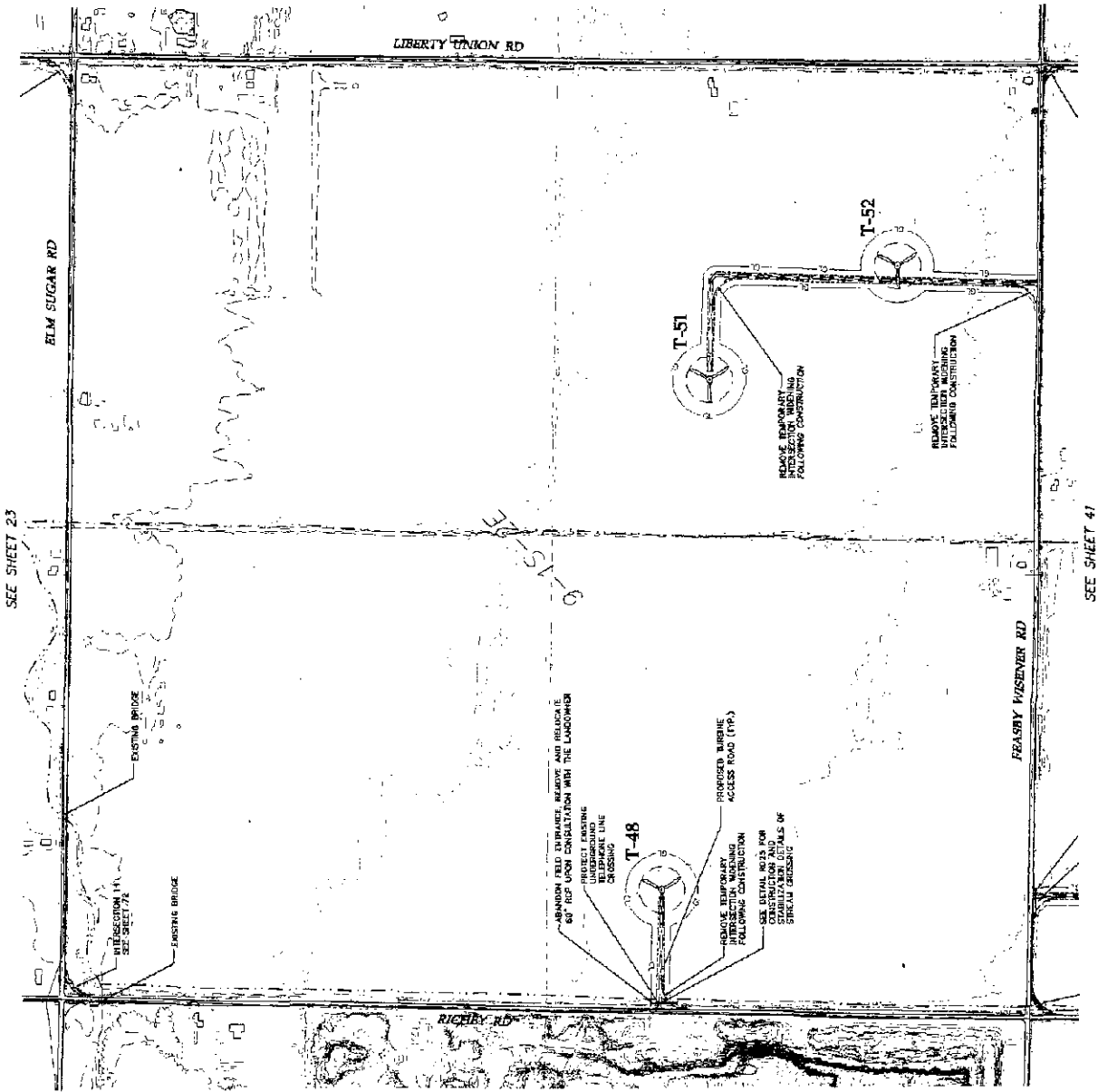
NOT FOR CONSTRUCTION

Date: 09/12/10
Sheet 32 of 85

- LEGEND:**
- TURBINE LOCATION
 - TURBINE NUMBER
 - PROPOSED GATE
 - PROPOSED FENCE
 - PROPOSED WATERWAY
 - PROPOSED POWER LINE
 - PROPOSED FIBER OPTIC LINE
 - PROPOSED SUT FENCE
 - EXISTING FENCE
 - EXISTING TELEPHONE LINE
 - EXISTING WATER LINE
 - EXISTING FIBER OPTIC LINE
 - EXISTING GAS PIPELINE
 - EXISTING 2' CONTIGUOUS
 - EXISTING TREE LINE
 - EXISTING WATERWAY
 - OUTLINE OF PROJECT BOUNDARY
 - NW Wetland
- CONTIGUOUS DATA HAS BEEN OBTAINED FROM A
PAUKLING & VAN WERT SURVEY AND IS NOT A
RESULT OF THE NEW TURBINE SURVEY.

KEY MAP

| |
|-----|
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|-----|

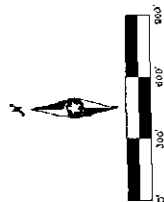


SEE SHEET 23

SEE SHEET 41

| | |
|-------------|--|
| Designed by | AW |
| Checked by | AW |
| Drawn by | AW |
| Scale | As Shown |
| Notes | 1. See Sheet 33 for details of proposed access roads. |
| Project No. | 1000 |
| Client | Blue Creek Wind Farm |
| Location | Blue Creek Wind Farm, Paulding & Van Wert Counties, Ohio |
| Date | 03/12/10 |
| Drawn | 3.4 of 8.5 |

IBERDROLA
RENEWABLES
 1802 Northwest Corridor, Suite 900
 Fort Worth, Texas 76101
 Phone: (817) 342-1000



Blue Creek
Wind Farm
 Paulding & Van Wert
 Counties, Ohio

Civil Site Plan

NOT FOR CONSTRUCTION

Date: 03/12/10
 Sheet: 3.4 of 8.5

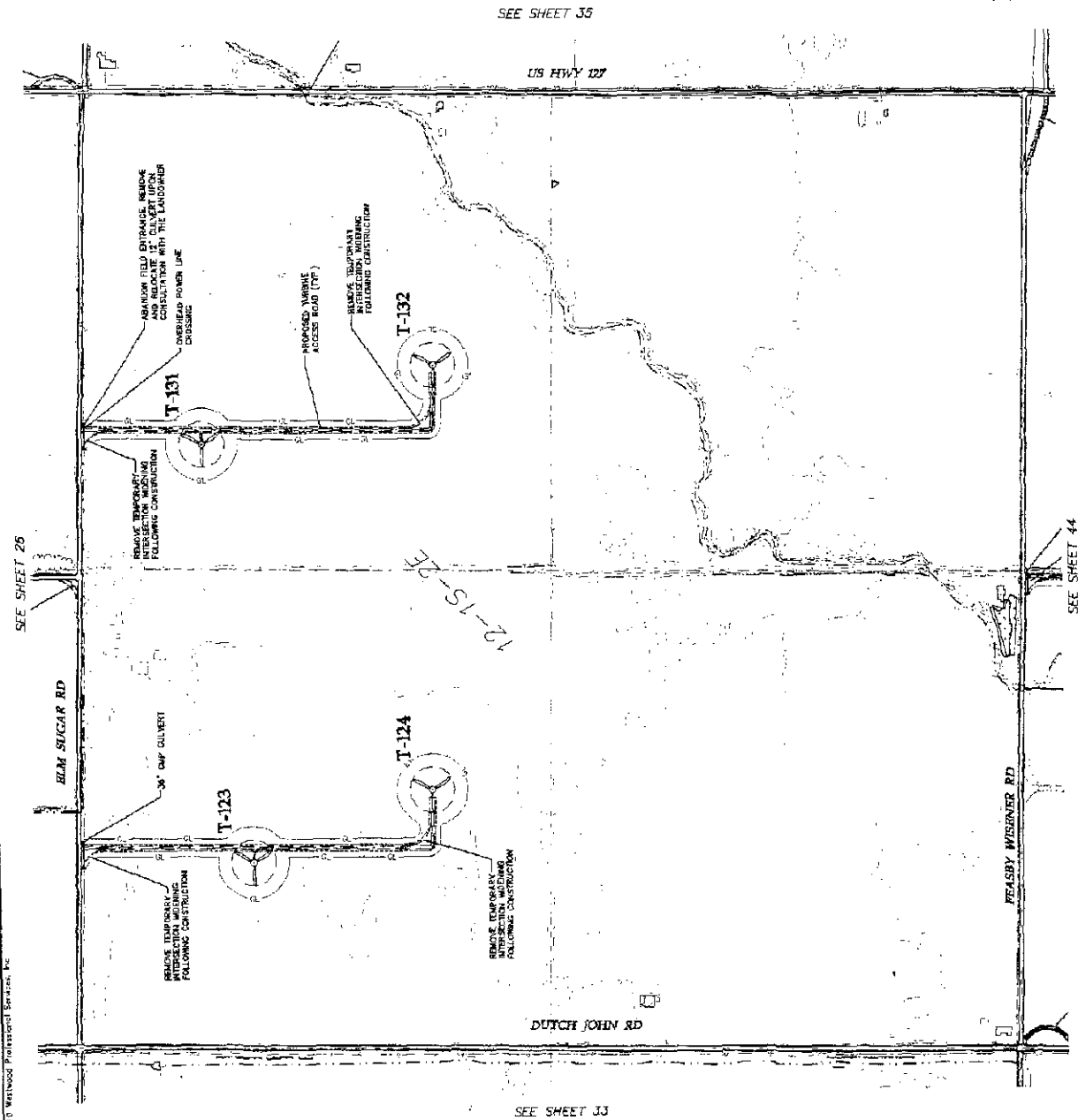
LEGEND:

- T-XX TURBINE LOCATION
- PROPOSED ACCESS ROADS
- PROPOSED FENCE
- PROPOSED DISTURBANCE LIMITS
- EXISTING TELEPHONE LINE
- EXISTING WATER LINE
- EXISTING GAS PIPELINE
- EXISTING 10 CONTIGUOUS
- EXISTING TREE LINE
- EXISTING WATERWAY
- OUTSIDE OF PROJECT BOUNDARY
- NW Wetland

CONTIGUOUS DATA HAS BEEN OBTAINED FROM A
 PUBLIC DATA SOURCE FOR THE SUBMITTAL AS
 A RESULT OF THE PLAN TURBINE AREA.

KEY MAP

| |
|----|
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
| 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |



SEE SHEET 25

SEE SHEET 44

SEE SHEET 33

SEE SHEET 29

HEM SUGAR RD

INTERSECTION 19
SEE SHEET 75

REMOVE TEMPORARY
INTERSECTION WIDENING
FOLLOWING CONSTRUCTION

52A-I

JOHN YOH RD

SEE SHEET 36

HOAGLIN CENTER RD

STACY, BRUCE BEN

97 LEHS 335

BACKGROUND:

[illegible]

OUTSIDE OF PROJECT BOUNDARY

NW WETLAND

CONTOUR DATA HAS BEEN OBTAINED FROM A PUBLIC DATA SOURCE FOR 50% SUBMITTAL AS A RESULT OF THE NEW TURBINE ARRAY

OUTSIDE OF PP
NW WETLAND

CONTOUR DATA HAS BEEN OBTAINED FROM A PUBLIC DATA SOURCE FOR 50X SUBTILAL AS A RESULT OF THE NEW TURBINE ARRAY.

Prepared for:



IBERDROLA
REINFORCEMENTS
1125 Northwest Couch, Suite 700
Portland, Oregon 97209

Prepared for:



**Blue Creek
Wind Farm**
Paulding & Van Wert
Counties, Ohio

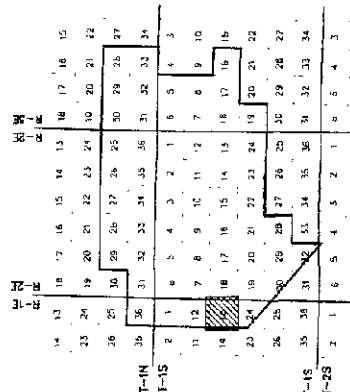
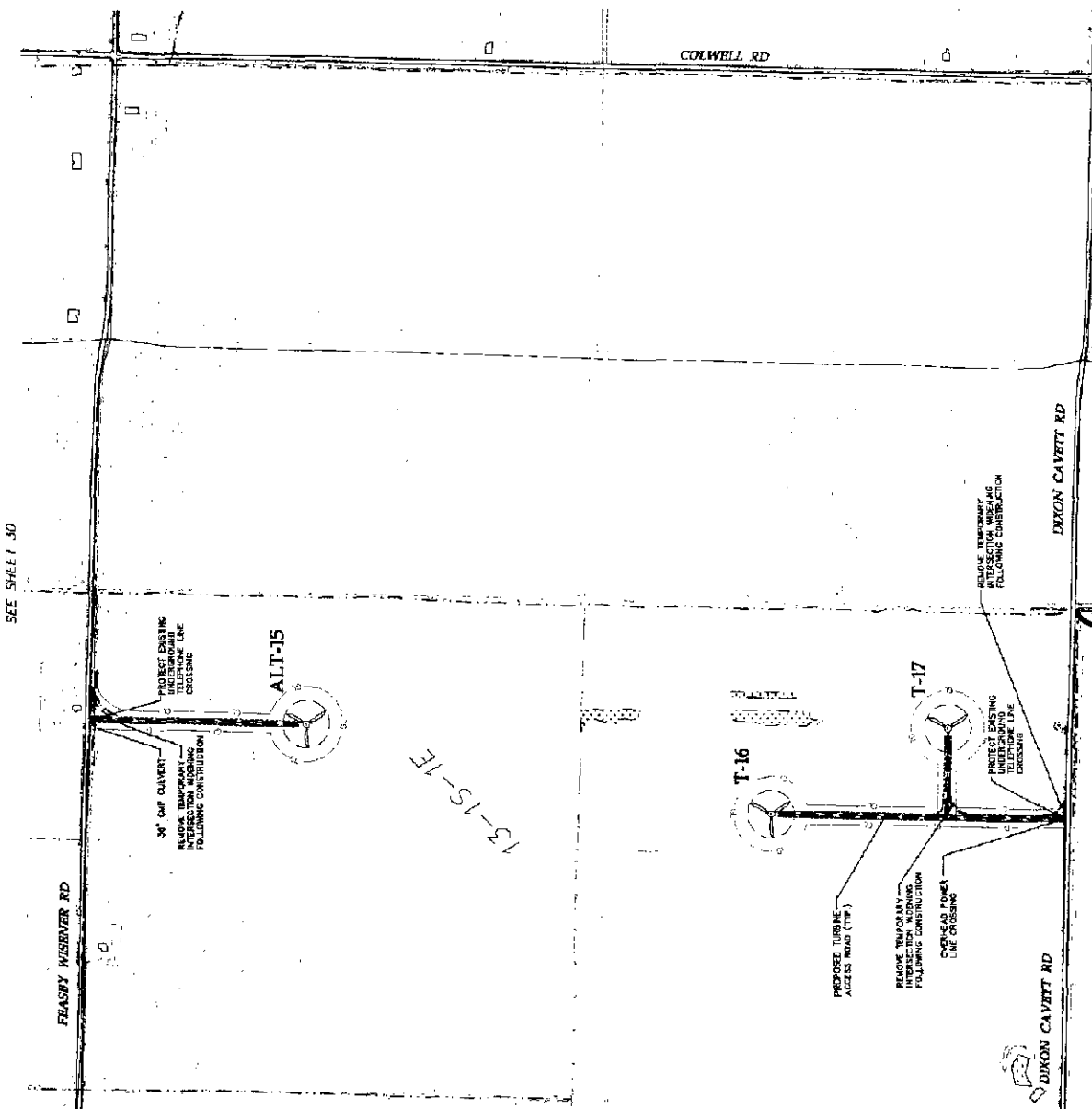
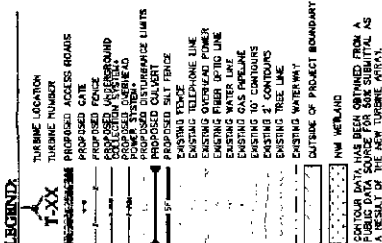
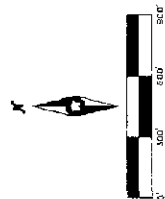
Civil Site Plan

| | | | | | | | | | | | |
|-----|-----|----|----|----|----|----|----|----|----|----|----|
| 14 | 13 | 18 | 17 | 16 | 15 | 14 | 13 | 18 | 17 | 16 | 15 |
| 2,5 | 2,4 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 |
| 20 | 23 | 50 | 29 | 28 | 27 | 26 | 25 | 35 | 29 | 28 | 27 |
| 35 | 36 | 5 | 4 | 3 | 2 | 3 | 4 | 31 | 25 | 33 | 34 |
| 2 | 1 | 6 | 5 | 4 | 3 | 2 | 1 | 6 | 5 | 4 | 3 |
| 11 | 12 | 7 | 8 | 9 | 10 | 11 | 12 | 7 | 8 | 9 | 10 |
| 14 | 13 | 18 | 17 | 16 | 15 | 14 | 13 | 18 | 17 | 16 | 15 |
| 23 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 | |
| 36 | 25 | 50 | 29 | 28 | 27 | 26 | 25 | 35 | 29 | 28 | 27 |
| 35 | 36 | 5 | 4 | 3 | 2 | 3 | 4 | 31 | 25 | 33 | 34 |
| 2 | 1 | 6 | 5 | 4 | 3 | 2 | 1 | 6 | 5 | 4 | 3 |

KEY MAP

NOT FOR CONSTRUCTION

Date 03/12/10
 Sheet 37 of 85



KEY MAP

SEE SHEET 39

SEE SHEET 30

SEE SHEET 47