

Kanza Society, Inc.
Application for New Noncommercial Educational Broadcast Station
Guymon, OK, CH 217, CLASS A
FCC Form 340
October 12, 2007

EXHIBIT 16: Contour Overlap and Spacing Requirements

Documentation for Form 340, Section VII, Items 15a and 15b

This exhibit is divided into the following sections to fully address the questions included under Section 73.509 and Section 73.207, as applicable.

| Exhibit Section | Contents | Page(s) |
|------------------------|---|----------------|
| 16a | Contour overlap study for co-, 1 st , 2 nd and 3 rd adjacent channels and channel 53 or 54 channels removed (IF) separations | 2 |
| 16b | Detailed contour overlap studies for stations KANZ and KPSU along all pertinent azimuths | 4 |
| 16c | Map of 54 dBuV/m (F50,10) interfering contour and 60 dBuV/m F(50,50) protected contours for KANZ and Proposed station | 7 |
| 16d | Map of 100 dBuV/m (F50,10) interfering contour and 60 dBuV/m F(50,50) protected contours for KPSU and Proposed station | 8 |

16a

Contour overlap study for co-, 1st, 2nd ad 3rd adjacent channels and channel 53 or 54 channels removed (IF) separations

A general interference study using the average HAAT of eight standard radials was initially conducted as detailed in the table below. Two facilities were identified for more detailed study in Section 16b: KANZ (216 C1, 1st adjacent) and KPSU (219 A, 2nd adjacent) as highlighted in the table below.

BIAfn/Dataworld FM Channel Study

Study parameters:

Safety Zone: 30.0 km (18.6 mi)

Safety dB: 3.0

Channel(s): 217 A

Coordinates: N 36° 42' 43.0" W 101° 27' 27.0"

Effective radiated power: 3 kW

Antenna 66.8 m (219.1 ft) above average terrain

FM Translators excluded

Saturday, October 06, 2007

Database: FCC 10/5/2007 12:00:00 AM

Stations identified for detailed contour overlap studies (see Section 16c) are highlighted.

| Call City of License | Auth | Licensee name St | FCC File Number | Chan Freq | HAAT(m) HAMS L(m) | ERP (kW) | Latitude Longitude | Br-to -from | Dist (km) | Req (km) |
|---|------|-----------------------------------|-------------------|-----------------|---|------------------|-------------------------------------|----------------|----------------|----------------|
| KAVW AMARILLO | LIC | AMERICAN FAMILY ASSOCIATION TX | BLED-19961114KB | *214 A 90.7 | 65.0 1155.0 | 1 H 1 V | N 35° 11' 57.0" W 101° 48' 43.0" | 190.8 10.6 | 170.9 149.5 | 21.39 CLEAR |
| Proposed Channel 217 A 100 dBuV/m F(50,10) Interfering contour = 2.0 km | | | | | KAVW Channel 214 A 60 dBuV/m F(50,50) Service contour = 14.7 km | | | | | |
| Proposed Channel 217 A 60 dBuV/m F(50,50) Service contour = 19.9 km | | | | | KAVW Channel 214 A 100 dBuV/m F(50,10) Interfering contour = 1.4 km | | | | | |
| KAVO PAMPA | LIC | AMERICAN FAMILY ASSOCIATION TX | BLED-20070205ADA | *215 C2 90.9 | 111.0 1091.0 | 17 H 17 V | N 35° 33' 08.0" W 101° 02' 42.0" | 163.9 344.1 | 133.9 94.19 | 39.75 CLEAR |
| Proposed Channel 217 A 100 dBuV/m F(50,10) Interfering contour = 2.0 km | | | | | KAVO Channel 215 C2 60 dBuV/m F(50,50) Service contour = 37.7 km | | | | | |
| Proposed Channel 217 A 60 dBuV/m F(50,50) Service contour = 19.9 km | | | | | KAVO Channel 215 C2 100 dBuV/m F(50,10) Interfering contour = 3.9 km | | | | | |
| KANZ GARDEN CITY | LIC | KANZA SOCIETY, INC. KS | BLED-20070529ACD | *216 C1 91.1 | 292.2 1178.0 | 100 H 100 V | N 37° 46' 43.0" W 100° 53' 43.4" | 22.6 202.9 | 128.5 4.191 | 124.3 CLOSE |
| Proposed Channel 217 A 54 dBuV/m F(50,10) Interfering contour = 29.2 km | | | | | KANZ Channel 216 C1 60 dBuV/m F(50,50) Service contour = 71.8 km | | | | | |
| Proposed Channel 217 A 60 dBuV/m F(50,50) Service contour = 19.9 km | | | | | KANZ Channel 216 C1 54 dBuV/m F(50,10) Interfering contour = 104.3 km | | | | | |
| NEW CLAYTON | APP | AMERICAN FAMILY ASSOCIATION NM | BNPED-20000127ABO | *217 A 91.3 | 77.0 1598.0 | 0.25 H 0.25 V | N 36° 27' 29.0" W 103° 11' 16.0" | 260.2 79.1 | 157.4 77.16 | 80.23 CLEAR |
| Proposed Channel 217 A 40 dBuV/m F(50,10) Interfering contour = 68.9 km | | | | | NEW Channel 217 A 60 dBuV/m F(50,50) Service contour = 11.4 km | | | | | |
| Proposed Channel 217 A 60 dBuV/m F(50,50) Service contour = 19.9 km | | | | | NEW Channel 217 A 40 dBuV/m F(50,10) Interfering contour = 38.9 km | | | | | |
| KTXP BUSHLAND | LIC | KANZA SOCIETY, INC. TX | BLED-20040726ABW | *218 A 91.5 | 80.0 1231.0 | 1 H 1 V | N 35° 08' 51.0" W 102° 05' 56.0" | 198.6 18.2 | 183.0 137.4 | 45.62 CLEAR |
| Proposed Channel 217 A 54 dBuV/m F(50,10) Interfering contour = 29.2 km | | | | | KTXP Channel 218 A 60 dBuV/m F(50,50) Service contour = 16.4 km | | | | | |
| Proposed Channel 217 A 60 dBuV/m F(50,50) Service contour = 19.9 km | | | | | KTXP Channel 218 A 54 dBuV/m F(50,10) Interfering contour = 24.3 km | | | | | |

| Call City of License | Auth | Licensee name St | FCC File Number | Chan Freq | HAAT(m) HMSL(m) | ERP (kW) | Latitude Longitude | Br-to -from | Dist (km) | Req (km) |
|---|------|------------------------------------|------------------|--|--------------------|------------------|-------------------------------------|----------------|----------------|----------------|
| KPSU GOODWELL | LIC | PANHANDLE STATE UNIVERSITY OK | BLED-1726 | *219 A 91.7 | 37.0 1030.0 | 0.38 H 0.38 V | N 36° 35' 41.0" W 101° 38' 10.0" | 230.8 50.7 | 20.60 -0.23 | 20.83 SHORT |
| Proposed Channel 217 A 100 dBuV/m F(50,10) Interfering contour = 2.0 km | | | | KPSU Channel 219 A 60 dBuV/m F(50,50) Service contour = 8.8 km | | | | | | |
| Proposed Channel 217 A 60 dBuV/m F(50,50) Service contour = 19.9 km | | | | KPSU Channel 219 A 100 dBuV/m F(50,10) Interfering contour = 0.9 km | | | | | | |
| KXRI AMARILLO | LIC | EDUCATIONAL MEDIA FOUNDATION TX | BLED-20010604ABG | *220 C3 91.9 | 140.0 1217.0 | 4 H 4 V | N 35° 14' 31.0" W 101° 48' 43.0" | 191.1 10.9 | 166.2 134.3 | 31.94 CLEAR |
| Proposed Channel 217 A 100 dBuV/m F(50,10) Interfering contour = 2.0 km | | | | KXRI Channel 220 C3 60 dBuV/m F(50,50) Service contour = 29.9 km | | | | | | |
| Proposed Channel 217 A 60 dBuV/m F(50,50) Service contour = 19.9 km | | | | KXRI Channel 220 C3 100 dBuV/m F(50,10) Interfering contour = 2.8 km | | | | | | |

IF Spacing (73.207)

| | | | | | | | | | |
|--|-----|----------------------------------|--------|--|-------|------------------|-------|-------|-------|
| KATP | LIC | GAP BROADCASTING AMARILLO LICENS | 270 C1 | 285.0 | 100 H | N 35° 20' 33.0" | 192.3 | 155.5 | 22.00 |
| AMARILLO | | TX BLH-19901228KD | 101.9 | 1318.0 | 100 V | W 101° 49' 21.0" | 12.1 | 133.5 | CLEAR |
| Required separation derived from section 73.207 of FCC rules | | | | | | | | | |
| Proposed Channel 217 A 91 dBuV/m F(50,10) Interfering contour = 3.3 km | | | | KATP Channel 270 C1 91 dBuV/m F(50,50) Service contour = 16.5 km | | | | | |

>> End of channel 217 A study <<

16b

Detailed Interference Study

Given the near proximity of prohibited contour overlaps from KANZ-FM and KPSU-FM in the general interference study (16b), detailed interference studies along each of 360 radials were conducted for these stations.

KANZ-FM study

Parameters for the study of KANZ-FM (CH216 C1, 1st adjacent, licensed to the applicant) were:

BIAfn/Dataworld Detailed FM Interference Study

Safety Zone: 30.0 km (18.6 mi)
Safety dB: 3.0
Channel(s): 217 A
Coordinates: N 36° 42' 43.0" W 101° 27' 27.0"
Effective radiated power: 3 kW
Antenna 1004.1 m (3293.4 ft) above mean sea level
Directional antenna: Non-DA
Terrain from USGS 3-second Database
FM Translators excluded
Friday, September 28, 2007
Database: FCC 9/28/2007 12:00:00 AM

The study first examined potential overlap of the KANZ 60 dBu (50/50) protected contour and the Proposed 54 dBu (50/10) interference contour. Across all radials a clearance margin of at least 3 dBu was shown to exist (the safety margin of the study).

The study then examined potential overlap of the Proposed 60 dBu (50/50) protected contour and the KANZ 54 dBu (50/10) interference contour. Across all radials a clearance margin of at least 1.4 db was shown to exist with the closest margins falling along the 28.6 to 45.6 degree radials (as highlighted in the table below listing all radials with <= 2 db margin).

| Proposed 217 A 60 dBuV/m Protected Contour | | | | | | KANZ-FM C1 54 dBu (50,10) Interfering Contour | | | | | | |
|--|----------|-----------|-----------|-----------------|------------------|---|----------|-----------|-----------|---------------|-------------|--------------------|
| Az (deg) | HAAT (m) | ERP (dBk) | Dist (km) | Latitude | Longitude | Az (deg) | HAAT (m) | ERP (dBk) | Dist (km) | F.S. (dBuV/m) | Margin (dB) | Allowed ERP (dBkW) |
| 11.6 | 58.4 | 4.8 | 18.7 | N 36° 52' 37.3" | W 101° 24' 54.7" | 204.8 | 279.2 | 20 | 110.2 | 52 | 2.0 | 6.8 |
| 12.6 | 58.6 | 4.8 | 18.8 | N 36° 52' 36.1" | W 101° 24' 41.4" | 204.6 | 279.2 | 20 | 110.1 | 52 | 2.0 | 6.8 |
| 13.6 | 58.7 | 4.8 | 18.8 | N 36° 52' 34.4" | W 101° 24' 28.3" | 204.5 | 279.3 | 20 | 110 | 52 | 2.0 | 6.8 |
| 14.6 | 58.8 | 4.8 | 18.8 | N 36° 52' 32.0" | W 101° 24' 15.4" | 204.3 | 279.4 | 20 | 109.9 | 52 | 2.0 | 6.7 |
| 15.6 | 58.9 | 4.8 | 18.8 | N 36° 52' 29.6" | W 101° 24' 02.4" | 204.1 | 279.4 | 20 | 109.8 | 52.1 | 1.9 | 6.7 |
| 16.6 | 59.2 | 4.8 | 18.9 | N 36° 52' 28.5" | W 101° 23' 48.9" | 204 | 279.5 | 20 | 109.7 | 52.1 | 1.9 | 6.7 |
| 17.6 | 59.8 | 4.8 | 19 | N 36° 52' 28.0" | W 101° 23' 35.1" | 203.8 | 279.5 | 20 | 109.6 | 52.1 | 1.9 | 6.6 |
| 18.6 | 60.4 | 4.8 | 19 | N 36° 52' 27.4" | W 101° 23' 21.3" | 203.6 | 279.5 | 20 | 109.5 | 52.2 | 1.8 | 6.6 |

| Proposed 217 A 60 dBuV/m Protected Contour | | | | | | KANZ-FM C1 54 dBu (50,10) Interfering Contour | | | | | | |
|--|-------------|--------------|--------------|-----------------|------------------|---|-------------|--------------|--------------|------------------|----------------|--------------------------|
| Az (deg) | HAAT (m) | ERP (dBk) | Dist (km) | Latitude | Longitude | Az (deg) | HAAT (m) | ERP (dBk) | Dist (km) | F.S. (dBuV/m) | Margin (dB) | Allowed ERP (dBkW) |
| 19.6 | 61.2 | 4.8 | 19.1 | N 36° 52' 27.1" | W 101° 23' 07.1" | 203.5 | 279.6 | 20 | 109.4 | 52.2 | 1.8 | 6.6 |
| 20.6 | 62.1 | 4.8 | 19.3 | N 36° 52' 27.4" | W 101° 22' 52.6" | 203.3 | 279.6 | 20 | 109.2 | 52.2 | 1.8 | 6.5 |
| 21.6 | 63.2 | 4.8 | 19.4 | N 36° 52' 28.0" | W 101° 22' 37.6" | 203.1 | 279.6 | 20 | 109.1 | 52.3 | 1.7 | 6.5 |
| 22.6 | 64.6 | 4.8 | 19.6 | N 36° 52' 29.8" | W 101° 22' 21.8" | 202.9 | 279.6 | 20 | 108.8 | 52.3 | 1.7 | 6.4 |
| 23.6 | 66.1 | 4.8 | 19.8 | N 36° 52' 31.9" | W 101° 22' 05.5" | 202.7 | 279.7 | 20 | 108.6 | 52.4 | 1.6 | 6.4 |
| 24.6 | 67.6 | 4.8 | 20.1 | N 36° 52' 33.2" | W 101° 21' 49.3" | 202.6 | 279.7 | 20 | 108.4 | 52.4 | 1.6 | 6.3 |
| 25.6 | 69 | 4.8 | 20.3 | N 36° 52' 34.3" | W 101° 21' 33.0" | 202.4 | 279.7 | 20 | 108.3 | 52.5 | 1.5 | 6.3 |
| 26.6 | 69.8 | 4.8 | 20.4 | N 36° 52' 32.2" | W 101° 21' 18.3" | 202.2 | 279.8 | 20 | 108.2 | 52.5 | 1.5 | 6.3 |
| 27.6 | 70.5 | 4.8 | 20.5 | N 36° 52' 29.8" | W 101° 21' 03.6" | 202 | 279.8 | 20 | 108.1 | 52.5 | 1.5 | 6.2 |
| 28.6 | 71.1 | 4.8 | 20.5 | N 36° 52' 26.8" | W 101° 20' 49.2" | 201.8 | 279.8 | 20 | 108.1 | 52.6 | 1.4 | 6.2 |
| 29.6 | 71.8 | 4.8 | 20.6 | N 36° 52' 23.9" | W 101° 20' 34.5" | 201.6 | 279.9 | 20 | 108 | 52.6 | 1.4 | 6.2 |
| 30.6 | 72.2 | 4.8 | 20.7 | N 36° 52' 19.4" | W 101° 20' 21.0" | 201.4 | 280 | 20 | 108 | 52.6 | 1.4 | 6.2 |
| 31.6 | 73.3 | 4.8 | 20.8 | N 36° 52' 17.4" | W 101° 20' 05.3" | 201.2 | 280 | 20 | 107.9 | 52.6 | 1.4 | 6.2 |
| 32.6 | 74.2 | 4.8 | 20.9 | N 36° 52' 14.3" | W 101° 19' 50.3" | 201 | 280.1 | 20 | 107.9 | 52.6 | 1.4 | 6.2 |
| 33.6 | 74.9 | 4.8 | 21 | N 36° 52' 10.5" | W 101° 19' 35.7" | 200.8 | 280.1 | 20 | 107.9 | 52.6 | 1.4 | 6.2 |
| 34.6 | 75.8 | 4.8 | 21.2 | N 36° 52' 07.3" | W 101° 19' 20.3" | 200.6 | 280.2 | 20 | 107.8 | 52.6 | 1.4 | 6.1 |
| 35.6 | 77 | 4.8 | 21.3 | N 36° 52' 04.4" | W 101° 19' 04.5" | 200.4 | 280.3 | 20 | 107.8 | 52.6 | 1.4 | 6.1 |
| 36.6 | 77.3 | 4.8 | 21.4 | N 36° 51' 58.6" | W 101° 18' 51.2" | 200.2 | 280.4 | 20 | 107.8 | 52.6 | 1.4 | 6.1 |
| 37.6 | 77.6 | 4.8 | 21.4 | N 36° 51' 52.2" | W 101° 18' 38.3" | 200 | 280.4 | 20 | 107.9 | 52.6 | 1.4 | 6.2 |
| 38.6 | 78.1 | 4.8 | 21.5 | N 36° 51' 46.3" | W 101° 18' 24.8" | 199.8 | 280.5 | 20 | 108 | 52.6 | 1.4 | 6.2 |
| 39.6 | 78.5 | 4.8 | 21.5 | N 36° 51' 40.2" | W 101° 18' 11.4" | 199.6 | 280.6 | 20 | 108 | 52.6 | 1.4 | 6.2 |
| 40.6 | 79.3 | 4.8 | 21.6 | N 36° 51' 34.7" | W 101° 17' 57.2" | 199.4 | 280.7 | 20 | 108.1 | 52.6 | 1.4 | 6.2 |
| 41.6 | 79.9 | 4.8 | 21.7 | N 36° 51' 28.9" | W 101° 17' 43.3" | 199.2 | 280.8 | 20 | 108.1 | 52.6 | 1.4 | 6.2 |
| 42.6 | 81 | 4.8 | 21.9 | N 36° 51' 23.9" | W 101° 17' 28.1" | 199 | 280.9 | 20 | 108.2 | 52.6 | 1.4 | 6.2 |
| 43.6 | 82.2 | 4.8 | 22 | N 36° 51' 19.1" | W 101° 17' 12.5" | 198.8 | 281.1 | 20 | 108.2 | 52.6 | 1.4 | 6.2 |
| 44.6 | 83.7 | 4.8 | 22.2 | N 36° 51' 14.9" | W 101° 16' 55.8" | 198.5 | 281.2 | 20 | 108.2 | 52.6 | 1.4 | 6.2 |
| 45.6 | 85 | 4.8 | 22.4 | N 36° 51' 09.8" | W 101° 16' 39.8" | 198.3 | 281.3 | 20 | 108.2 | 52.6 | 1.4 | 6.2 |
| 46.6 | 86.2 | 4.8 | 22.5 | N 36° 51' 04.1" | W 101° 16' 24.4" | 198.1 | 281.4 | 20 | 108.3 | 52.5 | 1.5 | 6.2 |
| 47.6 | 86.8 | 4.8 | 22.6 | N 36° 50' 56.3" | W 101° 16' 11.5" | 197.9 | 281.6 | 20 | 108.4 | 52.5 | 1.5 | 6.3 |
| 48.6 | 87.1 | 4.8 | 22.7 | N 36° 50' 47.8" | W 101° 15' 59.4" | 197.7 | 281.7 | 20 | 108.5 | 52.5 | 1.5 | 6.3 |
| 49.6 | 87.8 | 4.8 | 22.7 | N 36° 50' 40.0" | W 101° 15' 46.1" | 197.5 | 281.8 | 20 | 108.7 | 52.4 | 1.6 | 6.3 |
| 50.6 | 88.6 | 4.8 | 22.8 | N 36° 50' 32.1" | W 101° 15' 32.8" | 197.3 | 281.9 | 20 | 108.8 | 52.4 | 1.6 | 6.4 |
| 51.6 | 89.4 | 4.8 | 23 | N 36° 50' 24.1" | W 101° 15' 19.3" | 197.1 | 282 | 20 | 108.9 | 52.4 | 1.6 | 6.4 |
| 52.6 | 90.8 | 4.8 | 23.1 | N 36° 50' 17.3" | W 101° 15' 03.8" | 196.8 | 282.1 | 20 | 109 | 52.4 | 1.6 | 6.4 |
| 53.6 | 92 | 4.8 | 23.3 | N 36° 50' 09.7" | W 101° 14' 49.1" | 196.6 | 282.3 | 20 | 109.2 | 52.3 | 1.7 | 6.5 |
| 54.6 | 93.4 | 4.8 | 23.5 | N 36° 50' 02.3" | W 101° 14' 33.7" | 196.4 | 282.4 | 20 | 109.3 | 52.3 | 1.7 | 6.5 |
| 55.6 | 94.7 | 4.8 | 23.6 | N 36° 49' 54.1" | W 101° 14' 19.4" | 196.2 | 282.5 | 20 | 109.4 | 52.3 | 1.7 | 6.5 |
| 56.6 | 95.4 | 4.8 | 23.7 | N 36° 49' 44.7" | W 101° 14' 07.0" | 196 | 282.7 | 20 | 109.6 | 52.2 | 1.8 | 6.6 |

| Proposed 217 A 60 dBuV/m Protected Contour | | | | | | KANZ-FM C1 54 dBu (50,10) Interfering Contour | | | | | | |
|--|-------------|--------------|--------------|-----------------|------------------|---|-------------|--------------|--------------|------------------|----------------|--------------------------|
| Az (deg) | HAAT (m) | ERP (dBk) | Dist (km) | Latitude | Longitude | Az (deg) | HAAT (m) | ERP (dBk) | Dist (km) | F.S. (dBuV/m) | Margin (dB) | Allowed ERP (dBkW) |
| 57.6 | 96.2 | 4.8 | 23.8 | N 36° 49' 34.9" | W 101° 13' 54.9" | 195.8 | 282.8 | 20 | 109.8 | 52.2 | 1.8 | 6.6 |
| 58.6 | 96.9 | 4.8 | 23.9 | N 36° 49' 24.9" | W 101° 13' 43.1" | 195.6 | 282.9 | 20 | 110 | 52.1 | 1.9 | 6.7 |
| 59.6 | 97.8 | 4.8 | 24 | N 36° 49' 15.1" | W 101° 13' 30.8" | 195.4 | 283 | 20 | 110.2 | 52 | 2.0 | 6.7 |
| 60.6 | 99.1 | 4.8 | 24.1 | N 36° 49' 05.6" | W 101° 13' 17.3" | 195.2 | 283.2 | 20 | 110.4 | 52 | 2.0 | 6.8 |
| 61.6 | 100.4 | 4.8 | 24.3 | N 36° 48' 56.0" | W 101° 13' 03.7" | 195 | 283.3 | 20 | 110.6 | 52 | 2.0 | 6.8 |

A contour map of the KANZ and Proposed contours is provided in section 16c of this Exhibit.

KPSU study

The same parameters as listed above were used for the study of KPSU (CH219 A, 2nd adjacent).

This study showed no prohibited overlap with KPSU across any of 360 radials for either protected or interfering contours. A margin of at least 3db (the threshold of the study) was maintained across all radials.

A contour map of the KPSU and Proposed contours is provided in section 16d of this Exhibit.

Guymon, OK - Proposed Ch. 217 A - KANZ



KANSAS

KANZ(FM) License Site

**KANZ(FM) License
60 dBuV/m (50,50)**

**KANZ(FM) License
54 dBuV/m (50,10)**

**Proposed Ch. 217 A
54 dBuV/m (50,10)**

**Proposed Ch. 217 A
60 dBuV/m (50,50)**

**Proposed
FM Site**

+ Proposed FM 217A Transmitter Site:
N 36-42-43 W 101-27-27
AMSL = 1004 Meters ERP = 3 kW

+ KANZ(FM) License Transmitter Site:
N 37-46-43 W 100-53-43

Scale = 1:640,000 October 4, 2007



OKLAHOMA

Guymon, OK - Proposed Ch. 217 A - KPSU

Prepared by

BIA
fn



OKLAHOMA

TEXAS COUNTY

Proposed Ch. 217 A
100 dBuV/m (50,10)

Proposed
FM Site

Guymon

KPSU(FM) License
60 dBuV/m (50,50)

KPSU(FM) License
100 dBuV/m (50,10)

KPSU(FM)
License Site

Goodwell

Proposed Ch. 217 A
60 dBuV/m (50,50)

TEXAS

HANSFORD COUNTY

+ Proposed FM 217A Transmitter Site:
N 36-42-43 W 101-27-27
AMSL = 1004 Meters ERP = 3 kW

+ KPSU(FM) License Transmitter Site:
N 36-35-41 W 101-38-10

Scale = 1:150,000 October 4, 2007

