



March 17, 2011



Mr. Otis Spriggs
Planner
City of Jonesboro Planning Department
307 Vine Street
Jonesboro, AR 72401

**RE: T-Mobile Central LLC CUP Wireless Communications Tower Application
T-Mobile Central LLC Site No. AR01911, 3104 Colony Dr., Jonesboro, AR 72404**

Dear Mr. Sprigs:

With the attached Zoning Application, T-Mobile Central LLC is seeking approval of a Conditional Use Permit for a 150' monopole telecommunications tower located within the C-3 zoning district at 3104 Colony Dr., Jonesboro, AR 72404, pursuant to the Wireless Communication Facility Development Ordinance of the City of Jonesboro, Arkansas. With the submittal of our CUP application on this date, March 17, 2011, we request being placed with on the agenda for the April 12, 2011 Jonesboro, AR Planning Commission meeting.

RF Description of Need

T-Mobile Central LLC requires enhancement of its network coverage for the following purposes: 1) Interference relief; 2) In-fill and 3) In-building and in-home coverage for the commercial, industrial and residential areas in and around the proximity of US 63 and SR 1 in Jonesboro, Arkansas.

Site Analysis & Justification

T-Mobile Central LLC site acquisition specialists thoroughly evaluated all prospective search ring candidates prior to selecting the subject site. Every effort was made to locate a co-location opportunity; however, the only one potential co-location site in the search ring area was deemed structurally incapable of accommodating T-Mobile's equipment requirements. The three (3) following candidates were identified as the best possible options:

1. Disqualified Candidate. 2812 Fox Meadow Ln., Jonesboro, AR. Collocation candidate on an existing 161' monopole tower. The site was disqualified because the tower failed to pass a structural stress analysis. (A copy of the structural analysis report by Black & Veatch is attached).
2. Disqualified Candidate. 3715 S. Stadium Dr., Jonesboro, AR. Raw land build. The site was disqualified because property owner is selling the property.
3. Selected Candidate. 3104 Colony Dr., Jonesboro, AR. Raw land build. Proposed 150' monopole designed for three (3) carriers located in a C-3 zoning district.

Please see the attached T-Mobile Search Ring Candidate maps for reference.

Development Overview

T-Mobile Central LLC is leasing a 50'x50' (2,500 sq. ft.) parcel from the underlying property owners, Circle B Properties, Inc., 3104 Colony Dr., Jonesboro, AR 72040 (Craighead County Assessor's parcel no. 01-134041-07300), for the purpose of constructing, operating and maintaining a telecommunications tower site to consist of a 150' multi-carrier monopole tower and appurtenant ground-based equipment compound. T-Mobile Central LLC intends to mount up to nine (9) antennas at the 150' level of the tower. The site is designed to accommodate two (2) additional carriers at the 130' and 140' elevations.

The site is designed to meet all the requirements specified in Section 14.32.12 – Wireless Communications Facility Standards of the Zoning Ordinance of the City of Jonesboro, including screening, lighting, signage, support structure standards and collocation requirements. As well, it is designed to the greatest extent possible to preserve the pre-existing character of the surrounding buildings and land use.

Co-location Marketing

T-Mobile Central LLC maintains ongoing Master License Agreements with every major wireless carrier in the United States. When new towers are constructed, these carriers are notified of the available locations and installation heights. On-going communications with the carriers is maintained to keep the market apprised of the availability. Lease rates charged are according to market rates and are typically pre-negotiated in most all Master License Agreements. T-Mobile Central LLC does not practice competitive discrimination and will allow any licensed wireless carrier that meets all technical and regulatory requirements access to its tower network.

Applicant and Agent Contact Information

Applicant:

T-Mobile Central LLC
12980 Foster Street, Suite 200
Overland Park, KS 66213
(913) 402-6626

Property Owner:

Circle B Properties, Inc.
3104 Colony Drive
Jonesboro, AR 72040
(870) 578-7508

Agent for Applicant & Property Owner:

SSC, Inc.
8500 W. 110th Street, Suite 300
Overland Park, KS 66210
(913) 438-7700

The following exhibits are attached and made part of this application, per the requirements of the Wireless Communication Facility Development Ordinance:

- Exhibit I:* Completed Conditional Use Application and application fee of \$250.00.
Exhibit II: T-Mobile Search ring map showing location of prospective site candidates.
Exhibit III: Aerial map of prospective site candidates.
Exhibit IV: Craighead County, AR property record and assessor's map of CUP/Site candidate property.
Exhibit V: CUP/Site candidate property warranty deed.
Exhibit VI: Structural report by Black & Veatch Corp of rejected AT&T tower candidate.
Exhibit VII: Three (3) stamped and sealed copies of the tower drawings.
Exhibit VIII: T-Mobile affidavit confirming its compliance with the requirements of all applicable governmental/regulatory entities and its agreement to remove the tower and appurtenant ground-based equipment subsequent to cessation of use.
Exhibit IX: Photo Simulations

On behalf of T-Mobile Central LLC, SSC, Inc. appreciates your acceptance and consideration of this application. Please advise us of any additional materials that may be required for your review.

Sincerely,

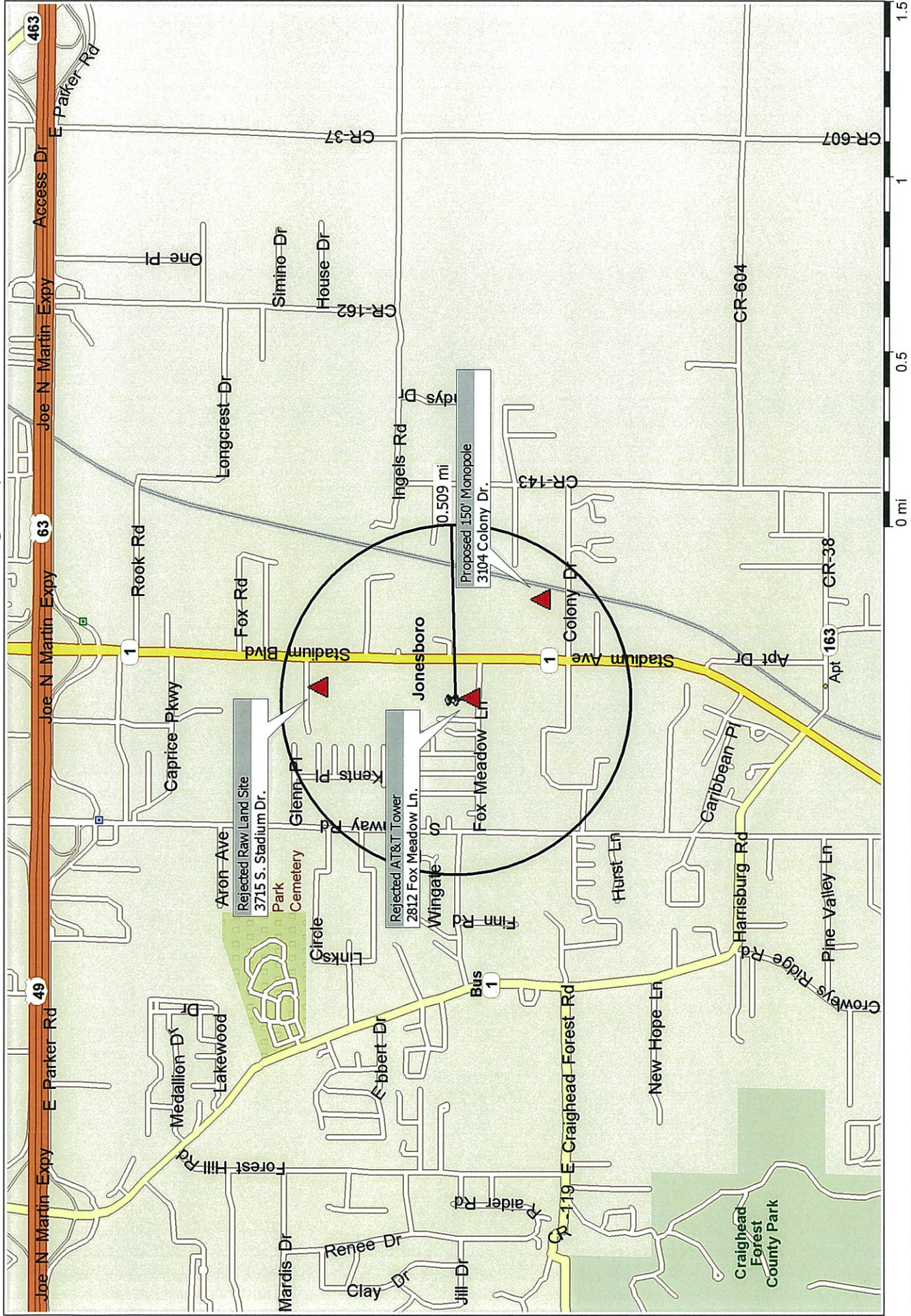
A handwritten signature in black ink, appearing to read "Rex Currie". The signature is stylized and cursive.

Rex Currie

As agent for T-Mobile Central LLC and Circle B Properties, Inc.

Attch.: Exhibits as listed above

TMO AR01911 Search Ring Map



Copyright © and (P) 1998-2006 Microsoft Corporation and/or its suppliers. All rights reserved. <http://www.microsoft.com/streets/>
 Portions © 1990-2006 IntelShield Software Corporation. All rights reserved. Certain mapping and direction data © 2005 NAVTEQ. All rights reserved. The Data for areas of Canada includes information taken with permission from Canadian authorities, including: © Her Majesty the Queen in Right of Canada, © Queen's Printer for Ontario. NAVTEQ and NAVTEQ ON BOARD are trademarks of NAVTEQ. © 2005 Tele Atlas North America, Inc. All rights reserved. Tele Atlas and Tele Atlas North America are trademarks of Tele Atlas, Inc.

EXHIBIT III

Aerial map of prospective site candidates

T-MOBILE SEARCH RING CANDIDATES

AR019111 – JONESBORO EAST

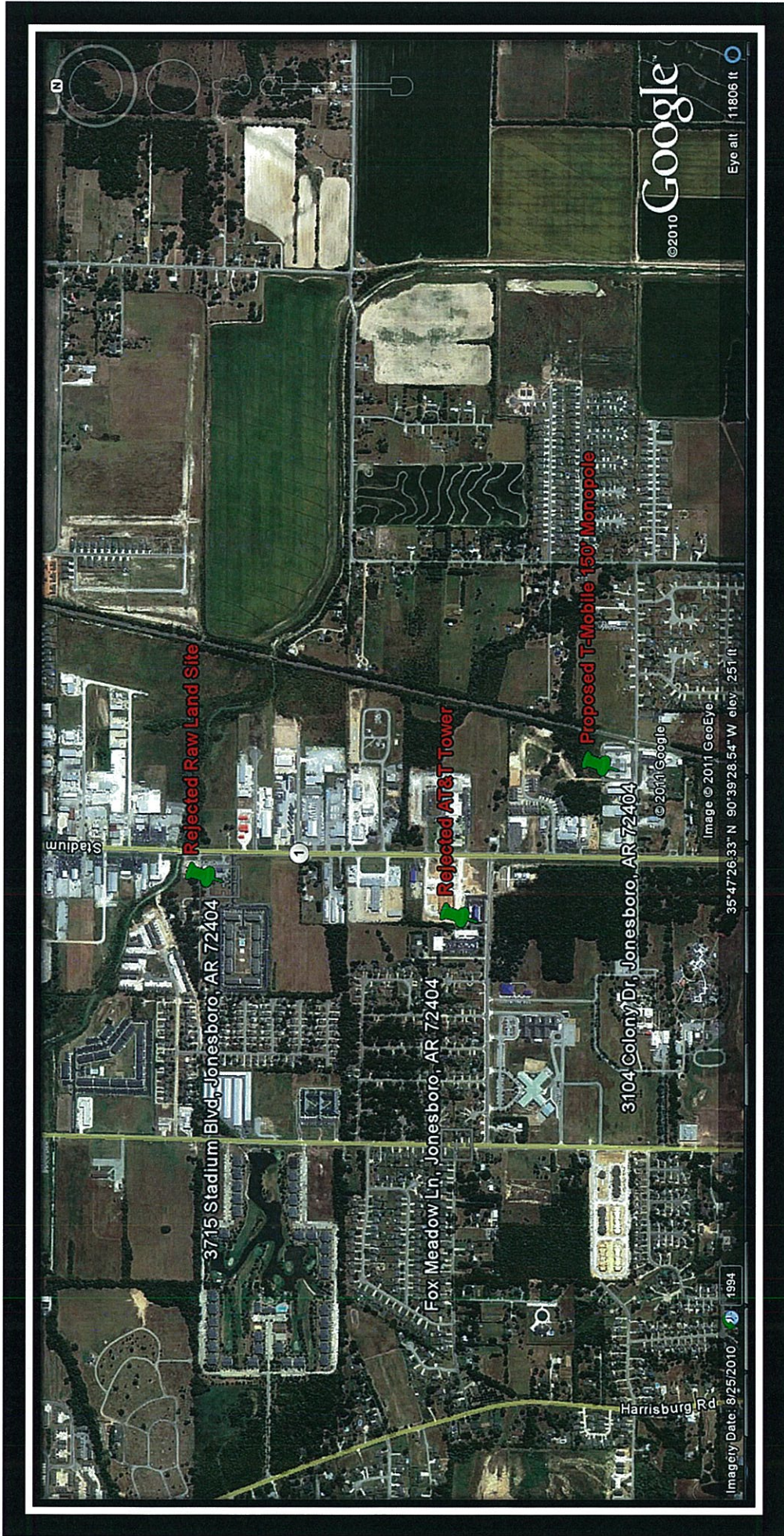


EXHIBIT IV

**Craighead County, AR property record
and assessor's map of CUP/Site candidate property**



[Log In](#)

- Links**
- [Home](#)
 - [My Account](#)
 - [Contact Us](#)
 - [Help](#)

PARCEL DETAILS

Public Search Sponsored By:
 Craighead County Assessor's Office

[New Search](#)

[Search Results](#)

Basic Information

Parcel Number: 01-134041-07300
County Name: Craighead County
Ownership Information: CIRCLE B PROPERTIES INC
 3104 COLONY
 JONESBORO, AR
[Map This Address](#)
Billing Information: CIRCLE B PROPERTIES
 19829 EVENING SUN RD
 HARRISBURG AR 72432-
Total Acres: 0.00
Timber Acres: 0.00
Sec-Twp-Rng: 04-13-04
Lot/Block: 13/
Subdivision: STADIUM PLACE
Legal Description: DOUG BARKER REPLAT OF LTS 13 & 14 OF STADIUM PLACE SUB
School District: NE JB NETTLETON CITY
Homestead Parcel?: No
Tax Status: Taxable
Over 65?: No

Land Information

Land Divisions:	Land Type	Quantity	Front Width	Rear Width	Depth 1	Depth 2	Quarter
	COMM	30,491 sqft	0	0	0	0	

Valuation Information

	Appraised	Assessed
Land:	91,500	18,300
Improvements:	180,400	36,080
Total Value:	271,900	54,380
Taxable Value:		54,130
Millage:		0.0441
Estimated Taxes [?]:		\$2,387.13
Assessment Year:		2010

Sales History

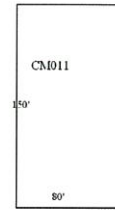
Date	Price	Grantor	Grantee	Book	Page	Deed Type
4/21/2003	300,000	BARKER	CIRCLE B PROPERTIES	644	948	WD(WARRANTY DEED)
4/22/1998	11,000	ARNS	BARKER	557	653	WD(WARRANTY DEED)



Improvement Information

Commercial Improvements

[Commercial Improvement #1](#)



Search by Area - 1/1/2011

Building Section #: 1

Business Name: BARKER BROTHERS ASPH

Location: 3104 COLONY DRIVE

Total SF: 12,000

Stories: 1

Year Built:

Effective Age: 10

Occupancy:	Code	Description	Class	Percent
	406	Storage Warehouse	S-1	100%

Additive Items:	Description	Qty.
	FLAT SIGN	1
	Paving Asphalt, 2"-2" base	12000

Structural Elements:	Description	Qty.
	Ceilings None	X
	Electrical Average	X
	Exterior Walls Non Bearing	X
	Exterior Walls Prefinished Metal	X
	Floor Covering None	X
	Foundation Concrete	D
	Insulation Ceilings	X
	Insulation Walls	X
	Interior Finish Dry Wall	X
	Miscellaneous Doors, Metal	X
	Miscellaneous Doors, Overhead	X
	Plumbing Sink	X
	Plumbing Water Closet	X
	Roof Cover Corrogate Metal	X
	Roof Structure Slope	X
	Roof Structure Steel Joist, Comp	X
	Site Work Excavation	X
	Site Work Fill	X
	Site Work Preperation	X
	Structural Frame Rigid Frame Metal	X
	Structural Frame Steel	D

[New Search](#)

[Search Results](#)

© 2011 Apprentice InformationSystems, Inc.
[Privacy Policy](#) | [Terms of Use](#)

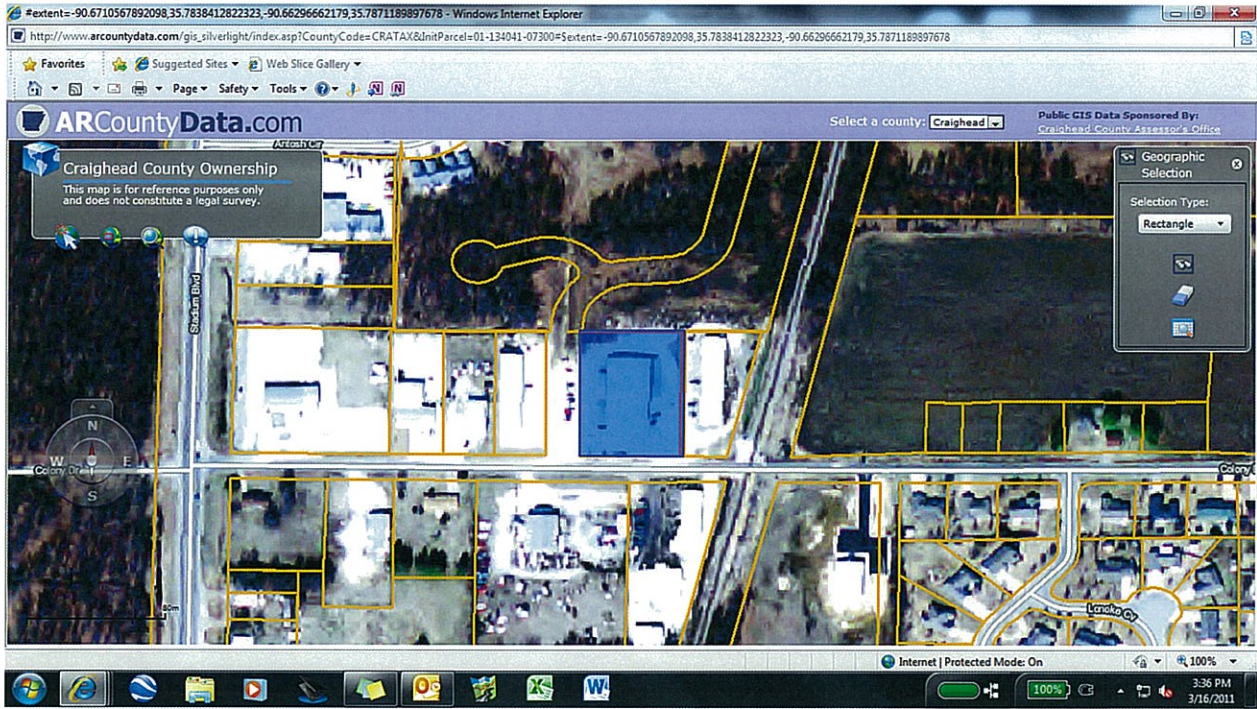


EXHIBIT V

CUP/Site candidate property warranty deed

Landers Title Comm...
2207 Fowler A...
Jonesboro, Arkansas

**LENDERS TITLE
C O M P A N Y**

23-35995J

23-35995J

Revenue Stamps = \$ 990.00

WARRANTY DEED

We, Doug Barker and Deana Barker, husband and wife; and Ed Barker and Brenda Barker, husband and wife (the said Doug Barker and Ed Barker d/b/a Barker Brothers Asphalt) for and in consideration of the sum of Ten and 00/100

..... Dollars \$ (\$10.00) and other valuable consideration to us in hand paid by Circle B Properties, Inc.

....., hereafter called Grantee, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto Grantee, and unto its successors and assigns forever,

the following lands in W Craighead County, Arkansas:

Lot 13 of Doug Barker Replat of Lots 13 and 14 of Stadium Place Subdivision to the City of Jonesboro, Arkansas as shown on Plat recorded in Plat "C" Page 64 at Jonesboro, Arkansas and being subject to easements as shown on recorded plat.



Subject to existing easements, building lines, restrictions and assessments of record, if any.

I certify under penalty of false swearing that the legally correct amount of documentary stamps have been placed on this instrument. If none shown, exempt or no consideration paid

Grantee or Agent Edwin L. Barker, Pres.
1929 Evening Sun Road, Harrisburg, Ar 72432
Grantee's Address 3104 Colony Dr., Jonesboro, Arkansas 72404

TO HAVE AND TO HOLD the same unto Grantee, and unto its successors and assigns forever, with all appurtenances thereunto belonging.

And we hereby covenant with Grantee, that we will forever warrant and defend the title to said lands against all claims whatever.

And we, Doug Barker and Deana Barker, husband and wife; and Ed Barker and Brenda Barker, husband and wife; for the consideration recited herein, do hereby release and relinquish unto the said Grantee, and unto its successors, and assigns, all of our right of dower, curtesy and homestead in and to said lands.

WITNESS our hands and seals this _____ 15th _____ day of _____ April _____, 2003.

Ed Barker
Ed Barker
D/B/A Barker Brothers Asphalt

Doug Barker
Doug Barker

Brenda Barker
Brenda Barker

Deana Barker
Deana Barker

ACKNOWLEDGMENT

STATE OF ARKANSAS
COUNTY OF Craighead

BE IT REMEMBERED, That on this day came before me, the undersigned, a Notary Public, within and for the county aforesaid, duly commissioned and acting Doug Barker and Deana Barker, husband and wife and Ed Barker and Brenda Barker, husband and wife to me well known as the grantor a in the foregoing Deed, and stated that they had executed the same for the consideration and purpose therein mentioned and set forth.

And on the same day also voluntarily appeared before me, the said Doug Barker and Deana Barker, husband and wife and Ed Barker and Brenda Barker, husband and wife

_____ to me well known and declared that they had, of their own free will, executed said Deed and signed and sealed the relinquishment of dower, curtesy and homestead in the said Deed for the consideration and purposes therein contained and set forth, without compulsion or undue influence of their spouse.

WITNESS my hand and seal as such Notary Public on this 15th day of April, 2003.

Dian Street
Notary Public Dian Street

My commission expires: **DIAN STREET**
NOTARY PUBLIC - STATE OF ARKANSAS
CRAIGHEAD COUNTY
My Commission Expires: 3-3-2013

DEED BOOK 644 PAGE 948 - 949
DATE 04/21/2003
TIME 08:37:07 AM
RECORDED IN
OFFICIAL RECORDS OF
CRAIGHEAD COUNTY
ANN HUDSON
CIRCUIT CLERK
Shawn Vicker, D.C.
RECEIPT# 100650

EXHIBIT VI

Structural report by Black & Veatch Corp of rejected AT&T tower candidate



BLACK & VEATCH
Building a world of difference.®

Jan. 3, 2011

Mr. Martin Jelleme
AT&T Towers
Tower Modification Project Manager
5405 Windward Pkwy.
Alpharetta, GA, 30004

RE: USID 70676, Work Order 70676TMOAR-L, "Jonesboro East"

Dear Mr. Jelleme:

This letter is to confirm Black & Veatch's structural assessment of the existing one hundred sixty one feet (161'-0") monopole tower with the proposed T-Mobile equipment installation located at 2812 Fox Meadow Lane, Jonesboro, AR. The intent of the review is to determine if the proposed antennas and equipment will have any adverse structural impact on the existing structure.

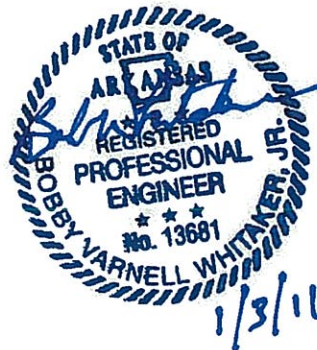
The addition of the T-Mobile proposed equipment on the structure brings the stress level to an excessive level. The failure in this structure includes bottom one hundred thirty feet (130'-0") of the tower, tower baseplate and tower foundation. The existing tower has been modified before with extensive reinforcement installation. The modified tower section fails under the new T-Mobile proposed loading. The proposed antennas / equipment installation significantly affect the overall strength and stability of the existing structure. It is our opinion that any modifications to the structure would be cost prohibitive to bring the structure into compliance with all applicable codes and standards. Tower replacement is recommended with proposed T-Mobile loading.

Please contact me in our Kansas City office at 913-458-7245 if you have any questions or comments.

Sincerely,

Black & Veatch Corporation

Ping Jiang



Bob Whitaker, P.E.



AT&T STRUCTURAL ANALYSIS SUMMARY

70676TMOAR-S

Site Information

Description: 161' Monopole Tower Manufacturer: Engineered Endeavors, Inc.
 Site USID: 70676 Site Name: Jonesboro East
 Location: 2812 Fox Meadow Lane Jonesboro, AR 72404 Applicable Codes: TIA/EIA-222-F

Existing/ Reserved Loads

Carrier	Elevation	Number of Antennas and Tower Mounted Equipment	Number of Coaxial Cables and Feedlines
Sprint / Nextel	161'	Six (6) panel antennas	Six (6) 1 5/8" coax (O)
AT&T	147'	Six (6) panel antennas and six (6) TMAs*	Twelve (12) 1 5/8" coax (I) and one (1) RET cable (I)
Verizon	101'	Nine (9) panel antennas	Twelve (12) 7/8" coax (I)

* Six (6) panel antennas and six (6) TMAs to be removed and replaced.

Proposed Additional Loads

Carrier	Elevation	Number of Antennas and Tower Mounted Equipment	Number of Coaxial Cables and Feedlines
AT&T	147'	Nine (9) panel antennas and eighteen (18) TMAs	Six (6) 1 5/8" coax (I)
T-Mobile	130'	Nine (9) panel antennas and six (6) TMAs**	Twelve (12) 7/8" coax (O)

(I) = coaxial cables routed inside monopole (O) = coaxial cables routed outside monopole

** Six (6) TMAs to be installed behind proposed antennas.

Analysis Results

Tower Stress Level with Proposed Equipment: **139.5%** **Fail**
 Foundation Ratio with Proposed Equipment: **110.0%** **Inadequate**

A rigorous analysis of the foundation of the tower has been completed. Based on analysis, the existing foundation does not have adequate capacity to support the existing and proposed loads.

The tower and foundation do not fully comply with TIA/EIA-222-F standards for antenna supporting structures. Therefore, the existing tower and foundation are deemed **insufficient** for the proposed load cases.

Analysis Prepared by: Saowalak Hanruk, E.I.T.

Analysis Reviewed by: Bob Whitaker, P.E.





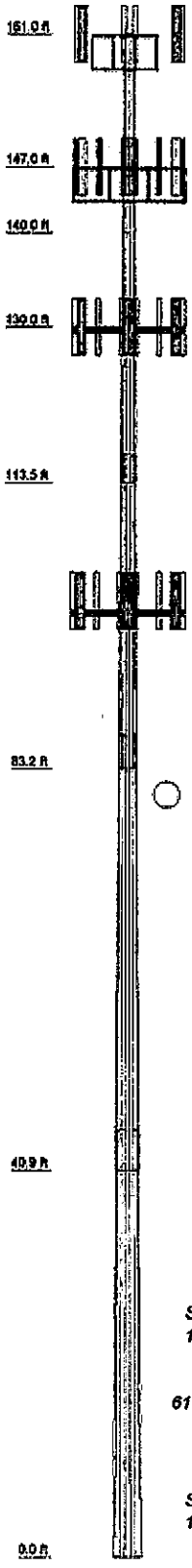
AT&T STRUCTURAL ANALYSIS SUMMARY

70676TMOAR-S

Assumptions, Disclaimers, and Notes

1. *The accuracy of loads listed in this report is the responsibility of AT&T. If the existing or proposed load cases are different than those analyzed, this report should be considered obsolete and further analysis will be required.*
 2. *Capacity of the structural members is based on theoretical values.*
 3. *It is the responsibility of the client and/or the tower owner to ensure no un-documented equipment is installed on the tower between now and the construction. If additional equipment is installed on the tower this report should be considered obsolete and further analysis will be required.*
 4. *This analysis assumes that the tower structural components, including all steel sections and attachment hardware, are in good working order and in their original state, free of rust or other forms of corrosion. Furthermore, it is assumed that the tower and the tower foundation have been properly maintained and monitored since the time of construction. This report should be considered obsolete and further analysis will be required if the tower and/or foundation does not meet all of the above specifications.*
 5. *The existing tower was analyzed using the RISATower computer program version 5.4.2.0. The loading criteria were developed from the "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures" outlined in the American National Standard Institute TIA/EIA-222-F. A basic wind speed of 70 mph, fastest mile, is required for this site located in Craighead County, Arkansas.*
 6. *This analysis assumes that all existing and proposed port cuts are properly installed such that the overall structural capacity of the monopole is not reduced.*
 7. *The analysis of this structure has been completed taking into account seismic forces applied to the structure based on the applicable codes criteria.*
 8. *The existing tower foundation was analyzed using the L-PILE computer program version 5.0.39, assuming 4000 psi concrete.*
 9. *Reported foundation ratio is based on calculated deflection compared to the allowable deflection for the foundation.*
 10. *Existing tower and foundation information was obtained from the following sources:
Design Structural completed by Engineered Endeavors, Inc., dated 06/04/1998, provided by AT&T.
Foundation Design completed by Engineered Endeavors, Inc., dated 06/04/1998, provided by AT&T.
Tower Drawing completed by Engineered Endeavors, Inc., dated 06/02/1998, provided by AT&T.
Tower Mapping Report completed by Phoenix of TN, dated 06/21/2010.
Structural Analysis completed by Black & Veatch Corp., dated 07/07/2010.
Structural Analysis and Modifications completed by Black & Veatch Corp., dated 08/02/2010.
Geotechnical Report completed by Anderson Engineering Consultants, Inc., dated 05/29/1998, provided by AT&T.
Co-location Information, provided by AT&T.
Tower photos taken during Site Assessment walks, provided by AT&T.
Tower photos taken during Tower Mapping, provided by Phoenix of TN.*
- This analysis was performed under the assumption that all information provided to Black & Veatch is current and correct. If it is not, this report should be considered obsolete and further analysis will be required. Black & Veatch has not investigated the tower loading or performed a tower mapping and takes no responsibility for the verification of information provided by AT&T.*

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	14.00	18	0.5000					
2	9.00	18	0.1076					
3	10.00	18	0.2550					
4	16.50	18	0.3060	3.00	17.4517	15.9194		
5	33.29	18	0.3440	5.58	18.9083	24.1200		
6	45.92	18	0.4250	4.25	22.8711	29.9900	A572-65	
7	45.12	18	0.4660	28.4811	35.5000			
8	18.00	18	0.4660	7.2				



DESIGNED APPURTENANCE LOADING

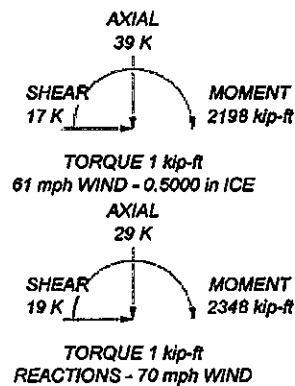
TYPE	ELEVATION	TYPE	ELEVATION
(2) PCSA090-19-0 (Existing Sprint/Nextel)	159	(3) TMBX_6517_R2M w/ Mount Pipe (Proposed T-Mobile)	130
(2) PCSA065-19-2 (Existing Sprint/Nextel)	159	(3) TMBX_6517_R2M w/ Mount Pipe (Proposed T-Mobile)	130
(2) PCSA065-19-2 (Existing Sprint/Nextel)	159	(2) ETT19V2S12UB (Proposed T-Mobile)	130
PIROD 12' T-Frame (Existing Sprint/Nextel)	159	(2) ETT19V2S12UB (Proposed T-Mobile)	130
PIROD 12' T-Frame (Existing Sprint/Nextel)	159	(2) ETT19V2S12UB (Proposed T-Mobile)	130
PIROD 12' T-Frame (Existing Sprint/Nextel)	159	PIROD 13' Low Profile Platform (Monopole) (Existing Verizon)	100
PIROD 13' Platform w/handrails (Monopole) (Existing AT&T)	145	(2) FV85-15-00-A2 w/Mount Pipe (Existing Verizon)	100
(3) Kathrein 800-10123 (Future AT&T)	145	(2) Frequency Sys. APL868013 w/Mount pipe (Existing Verizon)	100
(3) Kathrein 800-10123 (Future AT&T)	145	(2) FV85-15-00-A2 w/Mount Pipe (Existing Verizon)	100
(3) Kathrein 800-10123 (Future AT&T)	145	(6) LGF 17205 (Future AT&T)	145
(6) LGF 17205 (Future AT&T)	145	Antel BXA-70063/8CF w/Mount pipe (Reserved Verizon)	100
(6) LGF 17205 (Future AT&T)	145	Antel BXA-70063/8CF w/Mount pipe (Reserved Verizon)	100
PIROD Lightweight Low Profile Platform (Proposed T-Mobile)	130	Antel BXA-70063/8CF w/Mount pipe (Reserved Verizon)	100
(3) TMBX_6517_R2M w/ Mount Pipe (Proposed T-Mobile)	130	Antel BXA-70063/8CF w/Mount pipe (Reserved Verizon)	100

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Craighead County, Arkansas.
2. Tower designed for a 70 mph basic wind in accordance with the TIA/EIA-222-F Standard.
3. Tower is also designed for a 61 mph basic wind with 0.50 in ice.
4. Deflections are based upon a 50 mph wind.
5. Weld together tower sections have flange connections.
6. Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications.
7. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
8. Welds are fabricated with ER-70S-6 electrodes.
9. TOWER RATING: 139.5%



Black and Veatch Corp. 10950 Grandview Drive Overland Park, KS 66210 Phone: (913) 458-2000 FAX: (913) 458-8136	Job: 70676 Jonesboro East Project: 166951 (70676TMOAR-S) Client: AT&T Towers Code: TIA/EIA-222-F Path:	Drawn by: Bob Whitaker Date: 11/30/10 Scale: NTS Dwg No. E-1
---	--	---

RISATower Black & Veatch Corp. 10950 Grandview Drive Overland Park, KS 66210 Phone: (913) 458-2000 FAX: (913) 458-8136	Job 70676 Jonesboro East	Page 1 of 7
	Project 166951 (70676TMOAR-S)	Date 09:31:46 11/30/10
	Client AT&T Towers	Designed by Saowalak Hanruk, E.I.T.

Tower Input Data

There is a pole section.

This tower is designed using the TIA/EIA-222-F standard.

The following design criteria apply:

- Tower is located in Craighead County, Arkansas.
- Basic wind speed of 70 mph.
- Nominal ice thickness of 0.5000 in.
- Ice density of 56 pcf.
- A wind speed of 61 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 50 mph.
- Weld together tower sections have flange connections..
- Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications..
- Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards..
- Welds are fabricated with ER-70S-6 electrodes..
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.333.
- Local bending stresses due to climbing loads, feedline supports, and appurtenance mounts are not considered.

Options

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile √ Include Bolts in Member Capacity Leg Bolts Are At Top Of Section √ Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) Add IBC .6D+W Combination | <ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area √ Use Clear Spans For KL/r √ Retension Guys To Initial Tension Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt. √ Autocalc Torque Arm Areas SR Members Have Cut Ends Sort Capacity Reports By Component √ Triangulate Diamond Inner Bracing | <ul style="list-style-type: none"> Treat Feedline Bundles As Cylinder Use ASCE 10 X-Brace Ly Rules √ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression √ All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feedline Torque Include Angle Block Shear Check Include Angle Block Shear Check Poles Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets |
|--|--|--|

Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	161.00-147.00	14.00	0.00	18	14.0000	14.0000	0.5000	2.0000	A572-65 (65 ksi)
L2	147.00-146.00	1.00	0.00	18	14.0000	15.0000	0.5000	2.0000	A572-65 (65 ksi)
L3	146.00-140.00	6.00	0.00	18	15.0000	15.9194	0.1875	0.7500	A572-65 (65 ksi)

RISATower Black & Veatch Corp. 10950 Grandview Drive Overland Park, KS 66210 Phone: (913) 458-2000 FAX: (913) 458-8136	Job 70676 Jonesboro East	Page 2 of 7
	Project 166951 (70676TMOAR-S)	Date 09:31:46 11/30/10
	Client AT&T Towers	Designed by Saowalak Hanruk, E.I.T.

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L4	140.00-130.00	10.00	0.00	18	15.9194	17.4517	0.2530	1.0120	A572-65 (65 ksi)
L5	130.00-113.50	16.50	3.00	18	17.4517	19.9800	0.3060	1.2240	A572-65 (65 ksi)
L6	113.50-83.21	33.29	3.58	18	18.9083	24.1200	0.3440	1.3760	A572-65 (65 ksi)
L7	83.21-40.87	45.92	4.25	18	22.8711	29.9900	0.4250	1.7000	A572-65 (65 ksi)
L8	40.87-0.00	45.12		18	28.4811	35.5000	0.4660	1.8640	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
L1	14.2160	21.4245	493.3052	4.7925	7.1120	69.3624	987.2595	10.7143	1.5840	3.168
	14.2160	21.4245	493.3052	4.7925	7.1120	69.3624	987.2595	10.7143	1.5840	3.168
L2	14.2160	21.4245	493.3052	4.7925	7.1120	69.3624	987.2595	10.7143	1.5840	3.168
	15.2314	23.0115	611.2493	5.1475	7.6200	80.2164	1223.3029	11.5079	1.7600	3.52
L3	15.2314	8.8153	244.3603	5.2584	7.6200	32.0683	489.0422	4.4085	2.3100	12.32
	16.1650	9.3624	292.7448	5.5848	8.0871	36.1992	585.8748	4.6821	2.4718	13.183
L4	16.1650	12.5805	390.0969	5.5616	8.0871	48.2372	780.7071	6.2914	2.3565	9.314
	17.7209	13.8109	516.1213	6.1055	8.8655	58.2171	1032.9217	6.9068	2.6262	10.38
L5	17.7209	16.6527	618.4883	6.0867	8.8655	69.7638	1237.7903	8.3279	2.5329	8.278
	20.2882	19.1083	934.4236	6.9843	10.1498	92.0629	1870.0767	9.5559	2.9779	9.732
L6	19.6769	20.2696	882.5497	6.5903	9.6054	91.8804	1766.2607	10.1367	2.7224	7.914
	24.4921	25.9600	1854.0404	8.4405	12.2530	151.3137	3710.5204	12.9825	3.6397	10.58
L7	23.7879	30.2786	1927.3208	7.9684	11.6185	165.8838	3857.1776	15.1422	3.2773	7.711
	30.4526	39.8817	4404.1992	10.4956	15.2349	289.0858	8814.1935	19.9446	4.5302	10.659
L8	29.5918	41.4367	4108.7345	9.9454	14.4684	283.9796	8222.8753	20.7223	4.1925	8.997
	36.0476	51.8182	8035.2513	12.4371	18.0340	445.5612	16081.0757	25.9140	5.4278	11.648

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in
L1				1	1	1		
161.00-147.00				1	1	1		
L2				1	1	1		
147.00-146.00				1	1	1		
L3				1	1	1		
146.00-140.00				1	1	1		
L4				1	1	1		
140.00-130.00				1	1	1		
L5				1	1	1		
130.00-113.50				1	1	1		
L6				1	1	1		
113.50-83.21				1	1	1		
L7				1	1	1		
83.21-40.87				1	1	1		
L8				1	1	1		
40.87-0.00				1	1	1		

RISATower Black & Veatch Corp. 10950 Grandview Drive Overland Park, KS 66210 Phone: (913) 458-2000 FAX: (913) 458-8136	Job	70676 Jonesboro East	Page	3 of 7
	Project	166951 (70676TMOAR-S)	Date	09:31:46 11/30/10
	Client	AT&T Towers	Designed by	Saowalak Hanruk, E.I.T.

Monopole Base Plate Data

Base Plate Data	
Base plate is square	√
Base plate is grouted	
Anchor bolt grade	A615-75
Anchor bolt size	2.2500 in
Number of bolts	12
Embedment length	84.0000 in
f_c	4 ksi
Grout space	3.5000 in
Base plate grade	A633-60
Base plate thickness	1.7500 in
Bolt circle diameter	44.0000 in
Outer diameter	50.0000 in
Inner diameter	25.5000 in
Base plate type	Stiffened Plate
Bolts per stiffener	1
Stiffener thickness	0.5000 in
Stiffener height	9.0000 in

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Component Type	Placement ft	Total Number	C _{AA}		Weight plf
						No Ice	Ice	
Safety Line 3/8 (Existing)	A	No	CaA _A (Out Of Face)	146.00 - 8.00	1	No Ice	0.04	0.22
LDF7-50A (1-5/8 FOAM)	C	No	CaA _A (Out Of Face)	161.00 - 10.00	5	1/2" Ice	0.14	0.75
(Existing Sprint/Nextel)						1/2" Ice	0.00	2.33
LDF7-50A (1-5/8 FOAM)	C	No	CaA _A (Out Of Face)	161.00 - 10.00	1	No Ice	0.20	0.82
(Existing Sprint/Nextel)						1/2" Ice	0.30	2.33
LDF7-50A (1-5/8 FOAM)	A	No	Inside Pole	147.00 - 7.00	18	No Ice	0.00	0.82
(Existing & Future AT&T)						1/2" Ice	0.00	0.82
RET cable (Existing AT&T)	A	No	Inside Pole	147.00 - 7.00	1	No Ice	0.00	0.08
LDF5-50A (7/8 FOAM)	B	No	Inside Pole	100.00 - 7.00	12	1/2" Ice	0.00	0.08
(Existing & Reserved Verizon)						1/2" Ice	0.00	0.33
LDF5-50A (7/8 FOAM)	B	No	CaA _A (Out Of Face)	130.00 - 7.00	2	No Ice	0.11	0.33
(Proposed T-Mobile)						1/2" Ice	0.21	1.30
LDF5-50A (7/8 FOAM)	B	No	CaA _A (Out Of Face)	130.00 - 7.00	10	No Ice	0.00	0.33
(Proposed T-Mobile)						1/2" Ice	0.00	1.30

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R	A _F	C _{AA} In Face	C _{AA} Out Face	Weight K
			ft ²	ft ²	ft ²	ft ²	
L1	161.00-147.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	2.772	0.07
L2	147.00-146.00	A	0.000	0.000	0.000	0.000	0.01

RISATower Black & Veatch Corp. 10950 Grandview Drive Overland Park, KS 66210 Phone: (913) 458-2000 FAX: (913) 458-8136	Job 70676 Jonesboro East	Page 4 of 7
	Project 166951 (70676TMOAR-S)	Date 09:31:46 11/30/10
	Client AT&T Towers	Designed by Saowalak Hanruk, E.I.T.

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.198	0.00
L3	146.00-140.00	A	0.000	0.000	0.000	0.225	0.09
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	1.188	0.03
L4	140.00-130.00	A	0.000	0.000	0.000	0.375	0.15
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	1.980	0.05
L5	130.00-113.50	A	0.000	0.000	0.000	0.619	0.25
		B	0.000	0.000	0.000	3.597	0.07
		C	0.000	0.000	0.000	3.267	0.08
L6	113.50-83.21	A	0.000	0.000	0.000	1.136	0.46
		B	0.000	0.000	0.000	6.603	0.19
		C	0.000	0.000	0.000	5.997	0.15
L7	83.21-40.87	A	0.000	0.000	0.000	1.588	0.64
		B	0.000	0.000	0.000	9.229	0.34
		C	0.000	0.000	0.000	8.383	0.21
L8	40.87-0.00	A	0.000	0.000	0.000	1.233	0.51
		B	0.000	0.000	0.000	7.384	0.27
		C	0.000	0.000	0.000	6.113	0.15

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	161.00-147.00	A	0.500	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	4.172	0.20
L2	147.00-146.00	A	0.500	0.000	0.000	0.000	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.298	0.01
L3	146.00-140.00	A	0.500	0.000	0.000	0.000	0.825	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	1.788	0.08
L4	140.00-130.00	A	0.500	0.000	0.000	0.000	1.375	0.16
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	2.980	0.14
L5	130.00-113.50	A	0.500	0.000	0.000	0.000	2.269	0.26
		B		0.000	0.000	0.000	6.897	0.26
		C		0.000	0.000	0.000	4.917	0.23
L6	113.50-83.21	A	0.500	0.000	0.000	0.000	4.165	0.47
		B		0.000	0.000	0.000	12.661	0.54
		C		0.000	0.000	0.000	9.026	0.42
L7	83.21-40.87	A	0.500	0.000	0.000	0.000	5.821	0.66
		B		0.000	0.000	0.000	17.697	0.83
		C		0.000	0.000	0.000	12.616	0.59
L8	40.87-0.00	A	0.500	0.000	0.000	0.000	4.520	0.53
		B		0.000	0.000	0.000	14.159	0.66
		C		0.000	0.000	0.000	9.200	0.43

RISATower Black & Veatch Corp. 10950 Grandview Drive Overland Park, KS 66210 Phone: (913) 458-2000 FAX: (913) 458-8136	Job 70676 Jonesboro East	Page 5 of 7
	Project 166951 (70676TMOAR-S)	Date 09:31:46 11/30/10
	Client AT&T Towers	Designed by Saowalak Hanruk, E.I.T.

Feed Line Center of Pressure

Section	Elevation <i>ft</i>	CP _X	CP _Z	CP _X Ice	CP _Z Ice
		<i>in</i>	<i>in</i>	<i>in</i>	<i>in</i>
L1	161.00-147.00	-0.2199	0.1270	-0.2917	0.1684
L2	147.00-146.00	-0.2210	0.1276	-0.2942	0.1699
L3	146.00-140.00	-0.2175	0.0780	-0.2760	0.0123
L4	140.00-130.00	-0.2200	0.0789	-0.2819	0.0126
L5	130.00-113.50	0.0201	0.1981	0.0974	0.2066
L6	113.50-83.21	0.0208	0.2046	0.1028	0.2180
L7	83.21-40.87	0.0216	0.2125	0.1097	0.2328
L8	40.87-0.00	0.0363	0.1749	0.1223	0.2005

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment °	Placement <i>ft</i>	C _A A _A		Weight <i>K</i>
			Horz Lateral <i>ft</i>	Vert <i>ft</i>			Front <i>ft</i> ²	Side <i>ft</i> ²	
(2) PCSA090-19-0 (Existing Sprint/Nextel)	B	From Face	3.00	0.0000	159.00	No Ice	7.07	5.13	0.02
			0.00			1/2" Ice	7.56	5.60	0.07
			2.00						
(2) PCSA065-19-2 (Existing Sprint/Nextel)	A	From Face	3.00	0.0000	159.00	No Ice	6.47	5.86	0.02
			0.00			1/2" Ice	6.94	6.33	0.07
			2.00						
(2) PCSA065-19-2 (Existing Sprint/Nextel)	C	From Face	3.00	-60.0000	159.00	No Ice	6.47	5.86	0.02
			0.00			1/2" Ice	6.94	6.33	0.07
			2.00						
PiROD 12' T-Frame (Existing Sprint/Nextel)	A	From Face	0.00	0.0000	159.00	No Ice	12.20	12.20	0.36
			0.00			1/2" Ice	17.60	17.60	0.49
			0.00						
PiROD 12' T-Frame (Existing Sprint/Nextel)	B	From Face	0.00	0.0000	159.00	No Ice	12.20	12.20	0.36
			0.00			1/2" Ice	17.60	17.60	0.49
			0.00						
PiROD 12' T-Frame (Existing Sprint/Nextel)	C	From Face	0.00	0.0000	159.00	No Ice	12.20	12.20	0.36
			0.00			1/2" Ice	17.60	17.60	0.49
			0.00						
PiROD 13' Platform w/handrails (Monopole) (Existing AT&T)	C	None		0.0000	145.00	No Ice	31.30	31.30	1.82
						1/2" Ice	40.20	40.20	2.45
(3) Kathrein 800-10123 (Future AT&T)	A	From Leg	3.00	10.0000	145.00	No Ice	10.53	7.00	0.07
			0.00			1/2" Ice	11.15	7.60	0.13
			2.00						
(3) Kathrein 800-10123 (Future AT&T)	B	From Leg	3.00	10.0000	145.00	No Ice	10.53	7.00	0.07
			0.00			1/2" Ice	11.15	7.60	0.13
			2.00						
(3) Kathrein 800-10123 (Future AT&T)	C	From Leg	3.00	10.0000	145.00	No Ice	10.53	7.00	0.07
			0.00			1/2" Ice	11.15	7.60	0.13
			2.00						
(6) LGP 17205 (Future AT&T)	A	From Leg	3.00	10.0000	145.00	No Ice	2.18	0.54	0.03
			0.00			1/2" Ice	2.38	0.67	0.04
			2.00						
(6) LGP 17205 (Future AT&T)	B	From Leg	3.00	10.0000	145.00	No Ice	2.18	0.54	0.03
			0.00			1/2" Ice	2.38	0.67	0.04
			2.00						

RISATower Black & Veatch Corp. 10950 Grandview Drive Overland Park, KS 66210 Phone: (913) 458-2000 FAX: (913) 458-8136	Job	70676 Jonesboro East	Page	6 of 7
	Project	166951 (70676TMOAR-S)	Date	09:31:46 11/30/10
	Client	AT&T Towers	Designed by	Saowalak Hanruk, E.I.T.

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight	
			Horz	Lateral						Vert
(6) LGP 17205 (Future AT&T)	C	From Leg	2.00		10.0000	145.00	No Ice	2.18	0.54	0.03
			3.00				1/2" Ice	2.38	0.67	0.04
			0.00							
			2.00							
PiROD 13' Low Profile Platform (Monopole) (Existing Verizon)	C	None			0.0000	100.00	No Ice	15.70	15.70	1.30
							1/2" Ice	20.10	20.10	1.76
(2) FV65-15-00-A2 w/Mount Pipe (Existing Verizon)	A	From Face	3.00		5.0000	100.00	No Ice	11.47	9.48	0.07
			0.00				1/2" Ice	12.08	10.90	0.15
(2) Frequency Sys. APL868013 w/Mount pipe (Existing Verizon)	B	From Face	3.00		20.0000	100.00	No Ice	3.68	2.82	0.01
			0.00				1/2" Ice	4.04	3.13	0.03
			1.00							
(2) FV65-15-00-A2 w/Mount Pipe (Existing Verizon)	C	From Face	3.00		10.0000	100.00	No Ice	11.47	9.48	0.07
			0.00				1/2" Ice	12.08	10.90	0.15
			1.00							
Antel BXA-70063/8CF w/Mount pipe (Reserved Verizon)	A	From Face	3.00		5.0000	100.00	No Ice	10.98	8.57	0.08
			0.00				1/2" Ice	11.70	10.07	0.16
			1.00							
Antel BXA-70063/8CF w/Mount pipe (Reserved Verizon)	B	From Face	3.00		20.0000	100.00	No Ice	10.98	8.57	0.08
			0.00				1/2" Ice	11.70	10.07	0.16
			1.00							
Antel BXA-70063/8CF w/Mount pipe (Reserved Verizon)	C	From Face	3.00		10.0000	100.00	No Ice	10.98	8.57	0.08
			0.00				1/2" Ice	11.70	10.07	0.16
			1.00							
PiROD Lightweight Low Profile Platform (Proposed T-Mobile)	A	None			0.0000	130.00	No Ice	15.70	15.70	1.30
							1/2" Ice	20.10	20.10	1.76
(3) TMBX_6517_R2M w/Mount Pipe (Proposed T-Mobile)	A	From Face	3.00		0.0000	130.00	No Ice	6.05	5.46	0.04
			0.00				1/2" Ice	6.57	6.69	0.09
			0.00							
(3) TMBX_6517_R2M w/Mount Pipe (Proposed T-Mobile)	B	From Face	3.00		0.0000	130.00	No Ice	6.05	5.46	0.04
			0.00				1/2" Ice	6.57	6.69	0.09
			0.00							
(3) TMBX_6517_R2M w/Mount Pipe (Proposed T-Mobile)	C	From Face	3.00		0.0000	130.00	No Ice	6.05	5.46	0.04
			0.00				1/2" Ice	6.57	6.69	0.09
			0.00							
(2) ETT19V2S12UB (Proposed T-Mobile)	A	From Face	3.00		0.0000	130.00	No Ice	0.00	0.31	0.01
			0.00				1/2" Ice	0.00	0.39	0.02
			0.00							
(2) ETT19V2S12UB (Proposed T-Mobile)	B	From Face	3.00		0.0000	130.00	No Ice	0.00	0.31	0.01
			0.00				1/2" Ice	0.00	0.39	0.02
			0.00							
(2) ETT19V2S12UB (Proposed T-Mobile)	C	From Face	3.00		0.0000	130.00	No Ice	0.00	0.31	0.01
			0.00				1/2" Ice	0.00	0.39	0.02
			0.00							

RISATower Black & Veatch Corp. 10950 Grandview Drive Overland Park, KS 66210 Phone: (913) 458-2000 FAX: (913) 458-8136	Job	70676 Jonesboro East	Page	7 of 7
	Project	166951 (70676TMOAR-S)	Date	09:31:46 11/30/10
	Client	AT&T Towers	Designed by	Saowalak Hanruk, E.I.T.

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	SF*P _{allow} K	% Capacity	Pass Fail	
L1	161 - 147	Pole	TP14x14x0.5	1	-2.47	26.24	22.6	Pass	
L2	147 - 146	Pole	TP15x14x0.5	2	-2.47	26.24	22.6	Pass	
L3	146 - 140	Pole	TP15.9194x15x0.1875	3	-6.38	15.57	100.5	Fail X	
L4	140 - 130	Pole	TP17.4517x15.9194x0.253	4	-7.26	27.46	97.5	Pass	
L5	130 - 113.5	Pole	TP19.98x17.4517x0.306	5	-11.10	46.30	112.1	Fail X	
L6	113.5 - 83.21	Pole	TP24.12x18.9083x0.344	6	-18.38	91.81	139.5	Fail X	
L7	83.21 - 40.873	Pole	TP29.99x22.8711x0.425	7	-19.41	218.97	134.9	Fail X	
L8	40.873 - 0	Pole	TP35.5x28.4811x0.466	8	-21.26	242.72	131.9	Fail X	
							Summary		
							Pole (L6)	139.5	Fail X
							Base Plate	131.1	Fail X
							RATING =	139.5	Fail X

EXHIBIT VII

Three (3) stamped and sealed copies of the tower drawings



TMBX-6517-R2M

±45° Diversity Panel Antenna

Decibel®

Base Station Antennas

- Patented cross dipole and feed system
- Rugged, reliable design with excellent PIM suppression
- Includes factory installed AISG RET actuator
- Fully compatible with Andrew Teletilt® remote control antenna system

ELECTRICAL

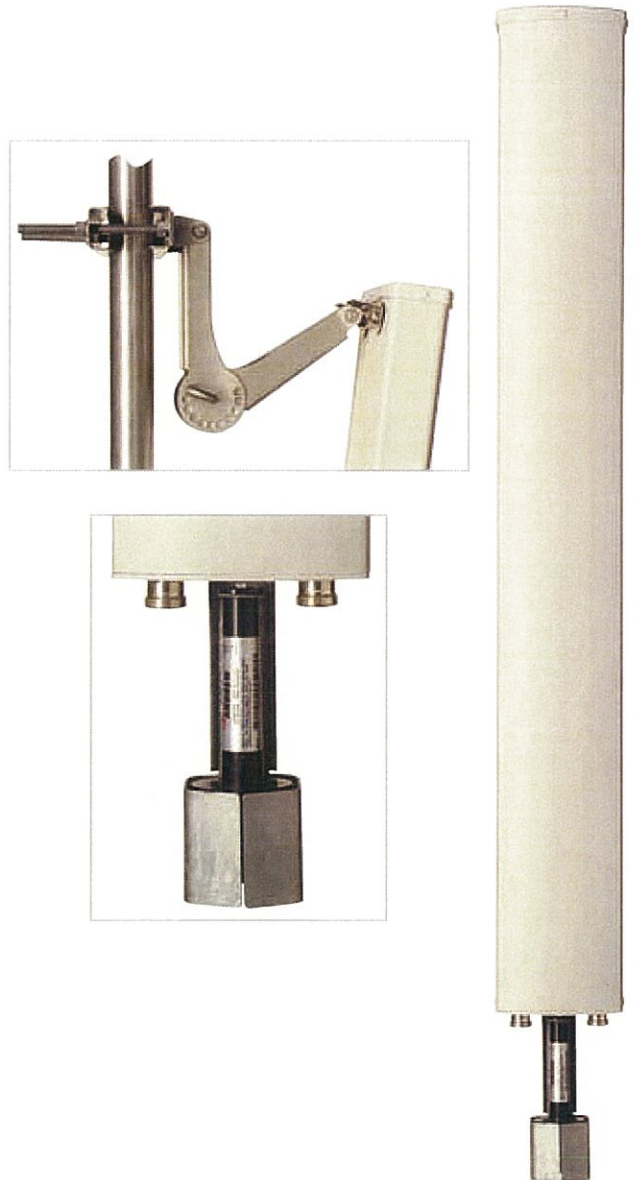
Frequency Range (MHz):	1710–2155
Characteristic Impedance (Ohms):	50
Azimuth BW (Deg):	65 ± 6
Elevation BW (Deg):	4.8 ± 0.8
Gain (dBi) :	18.7 ± 0.7
Polarization:	±45°
Front-to-Back Ratio (dB)	2° 4° 6°
Copol, 180° ± 30°:	>25 >25 >25
Total Power, 180° ± 30°:	>25 >25 >25
Upper Sidelobe (dB)	2° 4° 6°
Main Beam to +20°:	>18 >17 >15
VSWR / Return Loss (dB):	1.35:1 / 16.5
Port-to-Port Isolation (dB):	>30
Electrical Tilt Range (Deg):	2–6
Electrical Downtilt Accuracy (Deg):	± 0.6
Cross-pol (dB)	2° 4° 6°
3 dB Beamwidth:	>15 >13 >12
Intermodulation Products (dBc)	
3rd Order, 2 x 20 Watts:	155
Max. Input Power (Watts):	250
Lightning Protection:	DC Ground

PERFORMANCE TRACKING

Gain Variation (dB) (between UL and DL frequency pair):	1.0
Electrical Tilt Accuracy (Deg) (between UL and DL frequency pair within 0.5°):	<0.5
Azimuth HPBW (Deg) (between UL and DL frequency pair):	9

MECHANICAL

Net Weight (kg / lbs):	7.0 / 15.4
Dimensions–LxWxD:	2105 x 168 x 84 mm
(with actuator)	82.9 x 6.6 x 3.3 inch
Max. Wind Area (m² / ft²):	0.17 / 1.8
Max. Wind Load (N / lbf):	453.7 / 102.0
Max. Wind Speed (km/h / mph):	241 / 150
Hardware Material:	Hot Dip Galvanized
Connector Type:	7-16 DIN, Female (2)
Color:	Off White
Standard Mounting Hardware:	TM602030A



Andrew Corporation
 2601 Telecom Parkway
 Richardson, Texas U.S.A. 75508-3521
 Tel: 214.631.0310

Fax: 214.688.0089
 Toll Free Tel: 1.800.676.5342
 Fax: 1.800.229.4706
 www.andrew.com

12/14/2006
 Page 1 of 3
dbtech@andrew.com



TMBX-6517-R2M

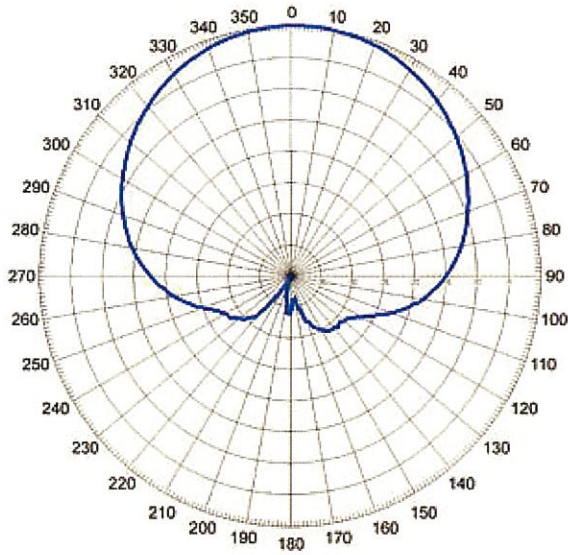
±45° Diversity Panel Antenna

Decibel®

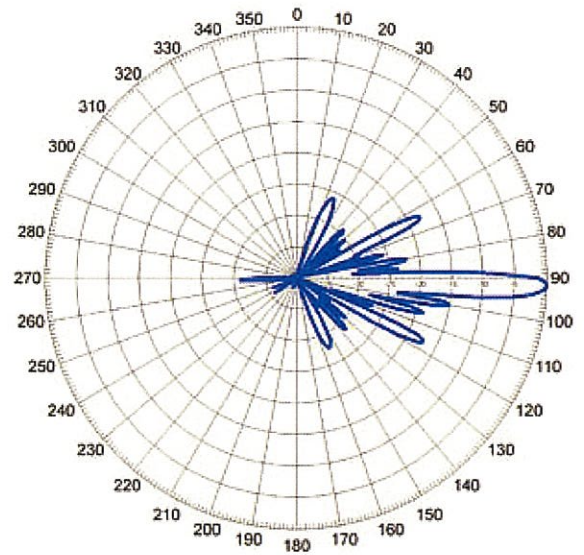
Base Station Antennas

AZIMUTH PATTERN

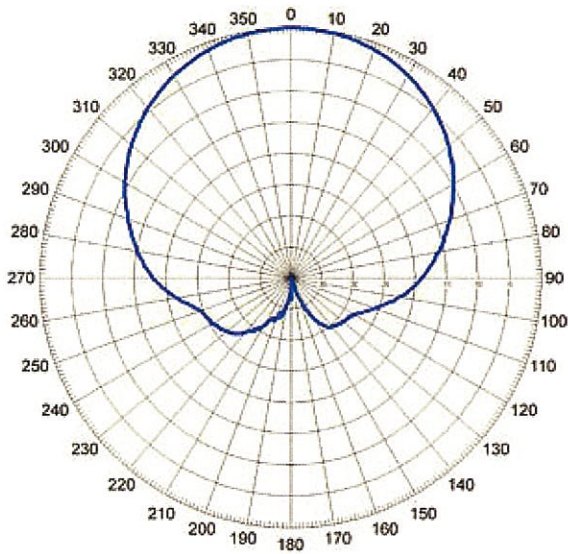
ELEVATION PATTERN



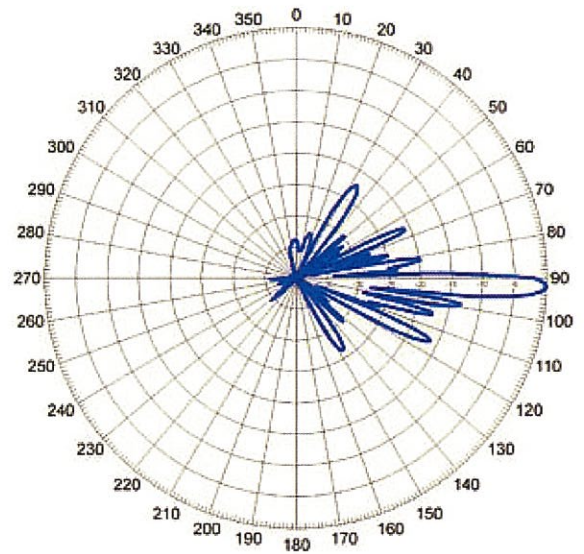
1732 MHz, Tilt: 2°



1732 MHz, Tilt: 2°



1880 MHz, Tilt: 2°



1880 MHz, Tilt: 2°

Note: Scale 5 dB per division.

Andrew Corporation
2601 Telecom Parkway
Richardson, Texas U.S.A. 755082-3521
Tel: 214.631.0310

Fax: 214.688.0089
Toll Free Tel: 1.800.676.5342
Fax: 1.800.229.4706
www.andrew.com

12/14/2006
Page 2 of 3
dbtech@andrew.com

Information correct at date of issue but may be subject to change without notice.



TMBX-6517-R2M

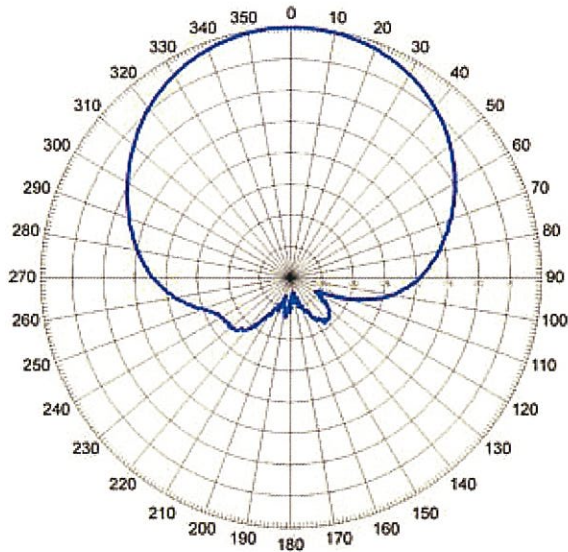
±45° Diversity Panel Antenna

Decibel®

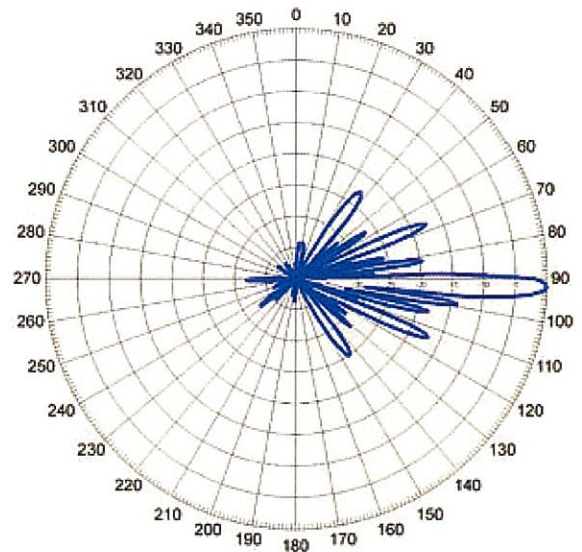
Base Station Antennas

AZIMUTH PATTERN

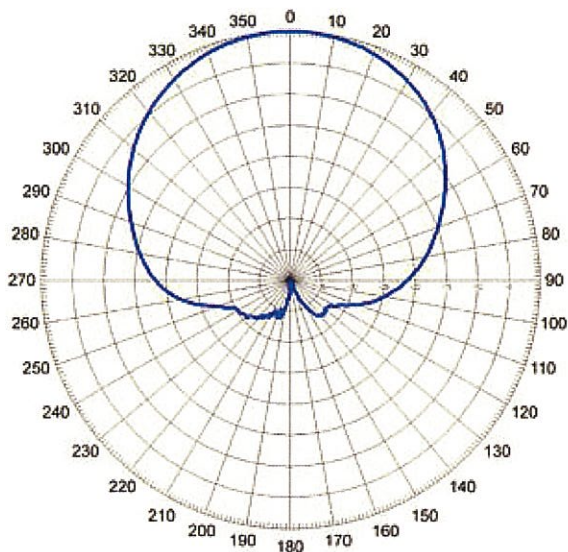
ELEVATION PATTERN



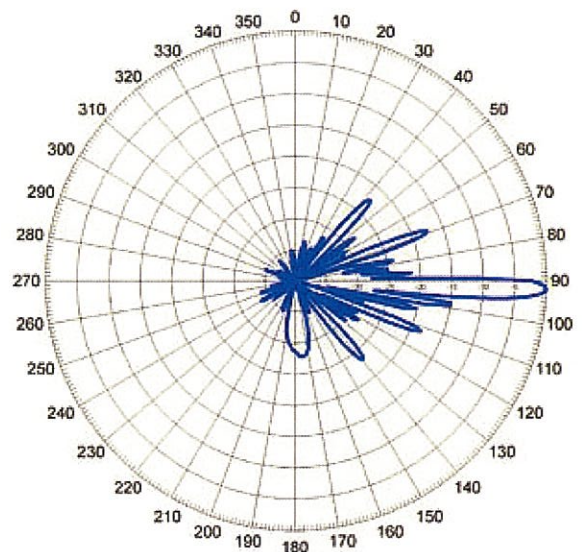
1960 MHz, Tilt: 2°



1960 MHz, Tilt: 2°



2132 MHz, Tilt: 2°



2132 MHz, Tilt: 2°

Note: Scale 5 dB per division.

Andrew Corporation
2601 Telecom Parkway
Richardson, Texas U.S.A. 755082-3521
Tel: 214.631.0310

Fax: 214.688.0089
Toll Free Tel: 1.800.676.5342
Fax: 1.800.229.4706
www.andrew.com

12/14/2006
Page 3 of 3
dbtech@andrew.com

Information correct at date of issue but may be subject to change without notice.

EXHIBIT VIII

T-Mobile affidavit confirming its compliance with the requirements of all applicable governmental/regulatory entities and its agreement to remove the tower and appurtenant ground-based equipment subsequent to cessation of use



City of Jonesboro, Planning Department
Attn: Otis Spriggs
307 Vine Street
Jonesboro, Arkansas 72401

RE: Zoning Application for T-Mobile Telecommunications Facility at 3104 Colony Circle, Jonesboro, Arkansas 72040 / T Mobile Central Site ID AR01911

Dear Mr. Spriggs,

Concerning the above-referenced project and Conditional Use Permit application, this supplement is submitted on behalf of T-Mobile, who is requesting a Conditional Use Permit for the installation, operation, and maintenance of a communications tower facility at a site to be located at 3104 Colony Circle, Jonesboro, Arkansas 72040. In connection with this facility, T-Mobile agrees to the following:

- Prior to construction, T-Mobile agrees to obtain all licenses and permits or authorizations required for its use of the facility from all applicable government and/or regulatory entities (including, without limitation, zoning, permitting and land use authorities and the Federal Communications Commission ("FCC")).
- T-Mobile agrees that as the owner of the tower, antenna, and ground based equipment, it is primarily responsible to see that upon termination or expiration of the lease, that the site location shall be restored to good, usable condition, normal wear and tear and casualty excepted.
- T-Mobile agrees that the proposed tower and the future antennae to be placed thereon will meet or exceed all federal technical health and safety requirements, and will function at a fraction of allowable power levels set forth by the FCC.

A handwritten signature in blue ink, appearing to read 'Garth Adcock', written over a horizontal line.

Garth Adcock

Site Development Manager

T-Mobile Central LLC

EXHIBIT IX

Photo Simulations

UNDER PRODUCTION