April 4, 2014

Styers, Kemerait & Mitchell, PLLC
1101 Haynes Street, Suite 101
Raleigh, North Carolina 27604

Attention: Ms. Karen Kemerait

Subject: Balloon Test Letter Report
Proposed 300-ft (315-ft w/ appurtenances) Self-Support Communications Tower
American Tower Site: Gum Spring NC
American Tower Site #: 282296
AT&T Site #: 368-512
Pittsboro, NC (Chatham County)

Dear Ms. Kemerait:

Tower Engineering Professionals, Inc. (TEP) of Raleigh, NC completed a balloon test for a proposed self-support communications tower facility that will be located north of a portion of Silk Hope Gum Spring Road, south of a portion of Henderson Tanyard Road, east of a portion of White Smith Road, northwest of the Town of Pittsboro, in Chatham County, NC. The proposed tower facility will be located on a parcel of real estate owned by Harold L. & Rita L. Rogers that is identified as Parcel ID# 10519. The balloon flight was conducted for the proposed tower height of 300-ft AGL on the morning of April 3, 2014 in order to assess the potential visual impact that the proposed communications tower may have on the surrounding area of potential effect (APE).

The balloon test was performed on April 3, 2014 from ~8:45AM to 10:00AM. The balloon test photographs were taken between ~9:00AM-9:45AM. The weather at the time of the balloon flight consisted of temperatures ranging from ~50° to ~60° Fahrenheit. The atmospheric conditions were partly to mostly cloudy with 1 to 5 mph winds from the north-northeast during the 1.25 hour balloon flight. TEP personnel deployed an approximately 10' long x 4'-1" wide yellow blimp with blue fins at an elevation of 300-ft above ground level (AGL). Based on the minimal amount of displacement of the blimp associated with the above referenced wind speeds at the time of the balloon test photographs, it is the opinion of TEP that the balloon flight is an accurate depiction of the proposed tower elevation AGL. The photographs were taken with a Nikon D3000 SLR Digital Camera set at 35mm, in an attempt to most accurately mimic the view of the human eye.

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Balloon Flight

The balloon flight was located at the approximate tower centerline approximately 280-ft east of a portion of White Smith Road. According to the construction drawings completed by TEP for American Tower dated April 2, 2014 the proposed tower will be located within an approximately 20 year old planted pine stand at:

Latitude: N 35º 47' 21.946" (NAD 83)
Longitude: W 79º 18' 43.829" (NAD 83)
Elevation: ~601.9-ft AMSL

Balloon Flight	***Approximate Location:***	***Distance from proposed structure:***
Photo #1	White-Smith Road/Epps Clark Road (~N35° 47' 36.46", W79° 18' 45.96")	~0.28 miles
Photo #2	White-Smith Road/Silk Hope Gum Springs Road (~N35° 46' 34.22", W79° 19.6' 6.15")	~0.97 miles
Photo #3	1898 Henderson Tanyard Road (~N35° 47' 36.22", W79° 18' 3.52")	~0.68 miles
Photo #4	394 Hope Hills Drive (~N35° 47' 33.18", W79° 19' 34.61")	~0.82 miles
Photo #5	Approximately 300-ft south of Hope Hills Drive/Epps Clark Road Intersection (~N35° 47' 36.79", W79° 19' 35.99")	~0.86 miles
Photo #6	4120 Silk Hope Gum Springs Road (~N35° 46' 26.25", W79° 18' 4.74")	~1.23 miles
Photo #7	W.R. Clark Road/Running Springs Drive (~N35° 46' 36.09", W79° 17' 33.89")	~1.40 miles
Photo #8	515 W.R. Clark Road (~N35° 46' 32.24", W79° 17' 27.86")	~1.52 miles
Photo #9	2148 Henderson Tanyard Road (~N35° 47' 35.93", W79° 18' 25.37")	~0.39 miles

TEP personnel obtained numerous photographs from each of the aforementioned locations in an attempt to provide an accurate depiction of the view of the proposed tower facility from the surrounding area. Photographs were taken for the balloon flight and their corresponding locations are depicted on the additional photo location map provided. Thirty-five (35) photographs were obtained from multiple locations surrounding the proposed tower site; of the thirty-five (35) photographs, nine (9) were selected for inclusion in this report. Additionally, four (4) photographs were selected and photo simulations were rendered

depicting the proposed 300-ft (315-ft with appurtenances) self-support tower from the desired locations.

Please don't hesitate to contact me if there are any questions or concerns with regards to the balloon test for the proposed undertaking.

Regards,

George T. Swearingen, III
Division Manager - Environmental

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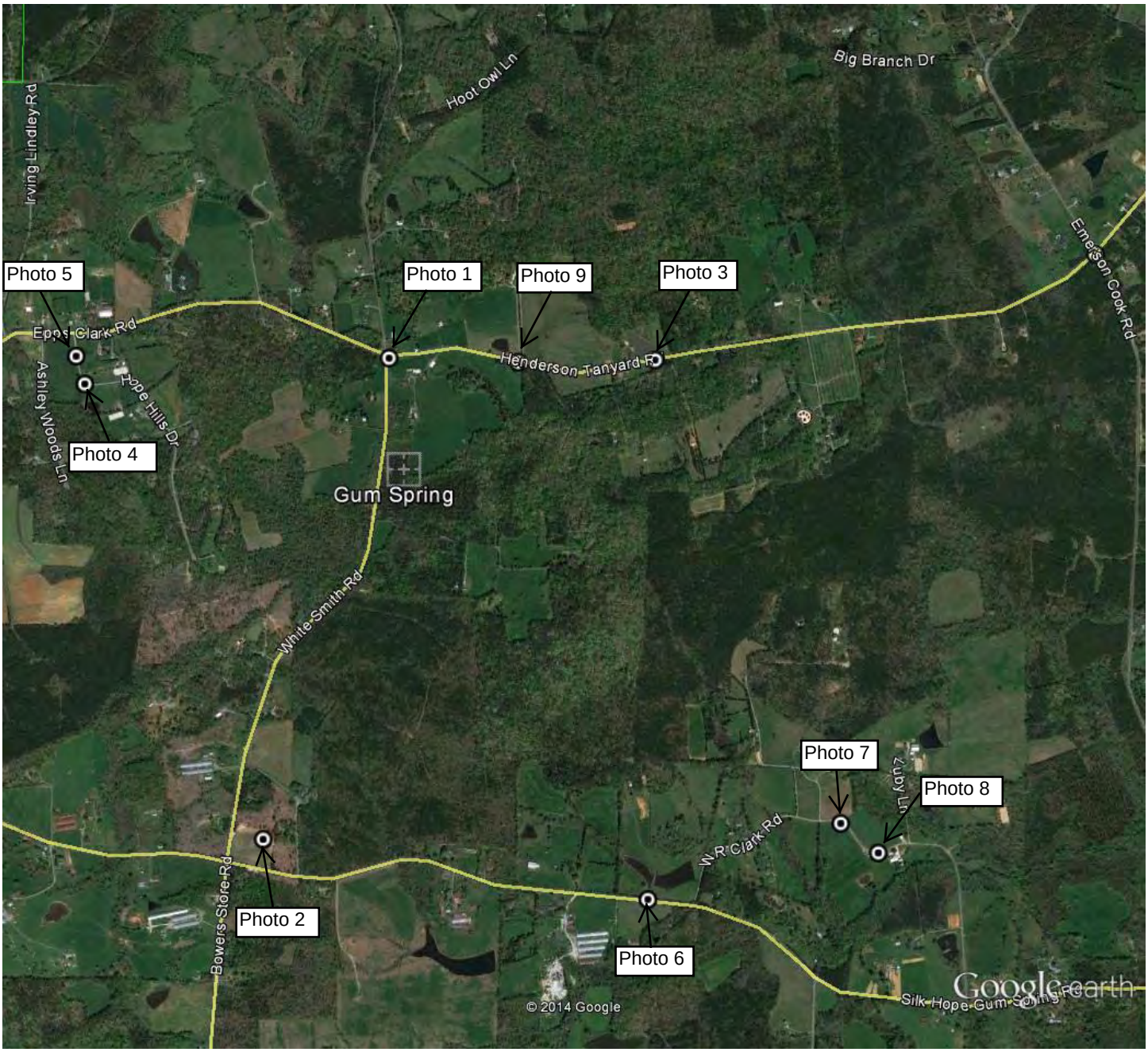
Gum Spring NC (ATC#-282296) (AT&T#-368-512)

Balloon Test Results		
Photo Location	**Location**	**Result**
1	White-Smith Road/Epps Clark Road (~N35° 47’ 36.46”, W79° 18’ 45.96”)	Visible
2	White-Smith Road/Silk Hope Gum Springs Road (~N35° 46’ 34.22”, W79° 19.6’ 6.15”)	Visible
3	1898 Henderson Tanyard Road (~N35° 47’ 36.22”, W79° 18’ 3.52”)	Visible
4	394 Hope Hills Drive (~N35° 47’ 33.18”, W79° 19’ 34.61”)	Visible
5	Approximately 300-ft south of Hope Hills Drive/Epps Clark Road Intersection (~N35° 47’ 36.79”, W79° 19’ 35.99”)	Visible
6	4120 Silk Hope Gum Springs Road (~N35° 46’ 26.25”, W79° 18’ 4.74”)	Visible
7	W.R. Clark Road/Running Springs Drive (~N35° 46’ 36.09”, W79° 17’ 33.89”)	Visible
8	515 W.R. Clark Road (~N35° 46’ 32.24”, W79° 17’ 27.86”)	Visible
9	2148 Henderson Tanyard Road (~N35° 47’ 35.93”, W79° 18’ 25.37”)	Visible

368-512 Gum Spring NC Photo Location Aerial



Google earth

miles 1

km 2

PHOTO LOCATION 1

CURRENT VIEW WITH BALLOON

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 1 (SEE MAP BELOW)
~N35° 47’ 36.46”, W79° 18’ 45.96”

PHOTO RENDERING

PHOTO RENDERING PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon

PHOTO LOCATION 2

CURRENT VIEW WITH BALLOON

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 2 (SEE MAP BELOW)
~N35° 46’ 34.22”, W79° 19.6’ 6.15”

PHOTO RENDERING

PHOTO RENDERING PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon

PHOTO LOCATION 3

CURRENT VIEW WITH BALLOON

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 3 (SEE MAP BELOW)
~N35° 47’ 36.22”, W79° 18’ 3.52”

PHOTO RENDERING

PHOTO RENDERING PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon

PHOTO LOCATION 4

CURRENT VIEW WITH BALLOON

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 4 (SEE MAP BELOW)
~N35° 47’ 33.18”, W79° 19’ 34.61”

PHOTO RENDERING

PHOTO RENDERING PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon

PHOTO LOCATION 5

CURRENT VIEW WITH BALLOON

BALLOON VISIBLE

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 5 (SEE MAP BELOW)
~N35° 47’ 36.79”, W79° 19’ 35.99”

PHOTO PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon

PHOTO LOCATION 6

CURRENT VIEW WITH BALLOON

BALLOON VISIBLE

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 6 (SEE MAP BELOW)
~N35° 46’ 26.25”, W79° 18’ 4.74”

PHOTO PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon

PHOTO LOCATION 7

CURRENT VIEW WITH BALLOON

BALLOON VISIBLE

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 7 (SEE MAP BELOW)
~N35° 46’ 36.09”, W79° 17’ 33.89”

PHOTO PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon

PHOTO LOCATION 8

CURRENT VIEW WITH BALLOON

BALLOON VISIBLE

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 8 (SEE MAP BELOW)
~N35° 46’ 32.24”, W79° 17’ 27.86”

PHOTO PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon

PHOTO LOCATION 9

CURRENT VIEW WITH BALLOON

BALLOON VISIBLE

AMERICAN TOWER

SITE NAME: GUM SPRING NC
AT&T SITE#: 368-512 - ATC SITE #: 282296
SITE ADDRESS:
WHITE SMITH ROAD N35° 47’ 21.95”, W79° 18’ 43.83”
VIEW FROM:
PHOTO LOCATION 9 (SEE MAP BELOW)
~N35° 47’ 35.93”, W79° 18’ 25.37”

PHOTO PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

Balloon