



Highlighted areas indicate drop down

ANSI-TIA/EIA222-G, Annex J Compliant

Page 1

SECTION A - SITE INFORMATION

ATC Site Number	: 306042	ATC Site Name	: Woods Chapel MO
Site Address	: 1204 N.E. Woods Chapel Rd.	Number of ATC Compounds	: 1
City/State	: Lees Summit/MO	Date of Inspection	: 1/22/016
Contractor Name	: SGS Towers		
Inspection Completed By	: John Krajenka		

SECTION B - MONOPOLE INFORMATION

Structure Type	: Tapered	Number of Sides:	: 12	Refers to # of sides on tower shaft
Monopole Height	: 150'	Climbing/Safety Device?	: Yes	
Overall Structure Height	: 154'	FCC/ASR Number	: 1003932	
Number of Anchor Bolts	: 12	AM Detuning ?	: No	

SECTION C - INDEX

SECTION A - Site Information	SECTION F - Safety Comments
SECTION B - Monopole Information	SECTION G - Grounding Comments
SECTION C - Index	SECTION H - AM Detuning Comments
SECTION D - Summary of Deficiencies	SECTION I - Compliance
SECTION E - Monopole Foundation & Structure	

SECTION D- SUMMARY OF DEFICIENCIES

Instructions: List only STRUCTURAL items from each Section noting locations on tower and photo #'s. If NO items present enter " NONE".

- 1) No nut-locking device observed on all (12) anchor bolts. Please see photos-30&31
- 2) Minor surface corrosion observed on the port hole on flat 12 at 3'. Please see photo- 27
- 3) Safety climb is obstructed by antenna mount at 115' & 120'. Please see photos: 50, 51
- 4) Surface corrosion observed underneath cap inside safety device at 149'. Please see photos:72, 74
- 5)
- 6)
- 7)
- 8)

SECTION E - MONOPOLE FOUNDATION & STRUCTURE

Instructions

Monopole base should be visually inspected for spalling and cracking of the concrete. The soil surrounding the Monopole base foundation should be inspected for ev settlement. Any such settlement or movement should be noted.

Base drains or weep holes (if present) should be clear of any obstructions. Penetrate drain with object to ensure drains functioning.

Corrosion - If corrosion is observed, the source should be determined and noted.

Damaged or faulty members - A visual inspection must be made of the entire monopole structure to determine if any of the members have been deformed or damaged. Any bowed, bent or damaged member/bolt should be noted as to part number, size, location on monopole, nature and magnitude of deformation or damage.

All discrepancies must be marked with masking tape and magic marker.

All discrepancies must be noted and photographed and numbered.

Do all anchor bolts have a nut and a lock-nut, or nut-locking device?

Are all anchor bolt nuts tight? (Tighten any loose nuts and mark as corrected.)

Is the monopole foundation in good condition? (No cracking, spalling, or settling)

Is the monopole base free from standing water?

Are base drains, if present, clear and free flowing?

Is the soil around the foundation in good condition? (no settling or movement)

Is the monopole free of rust? (If "No", be specific in the comments below.)

Is the pole shaft free from damage? (Cracks, dents, etc.)

Is the base plate weld free from visible cracks?

Is the monopole finish in good condition? (No obvious signs of cracking)

Has the pole been modified?

Are the components of the modification in good condition? (Dywidag bars, U-bolts, etc.)

Yes	No	Corrected	N/A
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Place an x in the proper box

Comments:

- 1) No nut-locking device observed on all (12) anchor bolts. Please see photos-30&31
- 2) Minor surface corrosion observed on the port hole on flat 12 at 3'. Please see photo- 27
- 3)
- 4)
- 5)
- 6)
- 7)

Instructions

Safety is paramount- Report anything that makes it unsafe to operate or maintain this monopole to ATC immediately.

All discrepancies must be marked with masking tape and magic marker.

All discrepancies must be noted and photographed before and after repair.

Is there a safety climb system?

Are all components of the safety climb system free of rust?

Is the cable free from kinks, fraying, broken wires or strands or other damage?

Is the climbing path free from obstructions allowing a clear path for the cable?

Is the cable secured by properly spaced cable guides?

Is the total system properly installed including the top connection? If No, correct and note.

Is the FCC and ATC signage apparent and placed properly?

Yes	No	Corrected	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Place an x in the proper box

Comments:

1) Safety climb is obstructed by antenna mount at 115' & 120'. Please see photos: 50, 51

2) Surface corrosion observed underneath cap inside safety device at 149'. Please see photos: 72, 74

SECTION G - GROUNDING

Instructions

Connections - The connections above grade should be visually checked for loose fittings. Ensure wires are snug in mechanical connections or well bonded with exothermic connections at the base of the monopole.

Ground Wires - The ground wires at the base should be cad welded to each leg.

Take a photo of the grounding at the base and at each anchor.

All discrepancies must be marked with masking tape and magic marker.

All discrepancies must be noted and photographed.

Is the monopole base properly grounded?

Are ground wires and connections in satisfactory condition?

Is lightning rod or static dissipation array properly installed (if present)?

Is the lightning rod mounted in a location making it the highest point on the monopole?

Yes	No	Corrected	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Place an x in the proper box

Comments:

1)

2)

3)

SECTION H- AM DETUNING

Instructions

All discrepancies must be marked with masking tape and magic marker.

All discrepancies must be noted and photographed.

Note: If the monopole has a base insulator (decommissioned AM hot monopole) the box next to the monopole with a single wire feed is NOT an AM detuning device.

Is there an AM Detuning system on the monopole?

Are the AM Detuning skirt wires securely attached to the monopole?

Are the AM Detuning wires in good condition? (Broken, sharp bends, etc)

Is the AM Detuning box securely attached to the monopole or other mounting system?

Is the AM Detuning box in good condition? (Sealed, loose or missing hardware, etc)

Is the exterior of the AM Detuning box free of rust and corrosion?

Is the AM Detuning system properly grounded?

Yes	No	Corrected	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Place x in the proper box

Comments:

1)

2)

SECTION I - COMPLIANCE

I understand that this information and form are the sole property of American Tower Corp.

and may not be copied or shared without written permission from ATC.

I certify this report to be accurate and complete to the best of my knowledge and belief.

Name : Tim Wordekemper

Date : 1/25/16

Company : SGS Towers

