



Correspondence Between Staff and Applicant

Approval Letter

AT&T MOBILITY
CRAN/ SMALL CELL RADIO FREQUENCY (RF)
SAFETY COMPLIANCE CERTIFICATION

21 MAY 2018

ANTENNA: ACE ACOM 2F15D-12P-R2

Band	700	850	PCS	AWS	WCS	5 GHz	mmw
Antenna Input Power (W)	24	0	48	0	0	0	0

PURPOSE OF THIS DOCUMENT

This document certifies that the AT&T Mobility Centralized Radio Access Network (CRAN) or Small Cell outdoor cell defined below meets Federal Communications Commission (FCC) RF safety compliance requirements specified in 47 CFR §1.1310, provided that the actions specified in the “Compliance Actions” and “Completing this Certification Document” sections of this document are completed before the CRAN or Small Cell is placed into service.

DEFINITION OF SMALL CELLS INCLUDED IN THIS CERTIFICATION

The small cell antenna and its operating parameters covered by this certification are:

- a) Antenna: ACE ACOM2F15D-12P-R2;
- b) Antenna centerline height: 20 feet above ground level (AGL) or higher;
- c) Transmission Frequencies: 700 band, PCS band;
- d) Maximum Total Power into Antenna: 24W at 700 band, 48W at PCS band;
- e) Antenna positioning: The antennas are mounted on tops or sides of poles/posts;
- f) Co-locators: No other emitters are on pole/post/mounting location;
- g) No accessible locations (e.g., other poles, apartment balconies) within 10 feet of the antenna at or near antenna level.

INVALIDATION OF THIS CERTIFICATION

This certification becomes invalid when:

- a) Antenna models other than the ACE ACOM2F15D-12P-R2 are deployed;
- b) Antenna centerline is lower than 20 feet AGL;
- c) Transmission frequencies other than: 700 band, PCS band;
- d) Total input power to antenna exceeds: 24W at 700 band, 48W at PCS band;
- e) The antenna positioning is changed;
- f) Other emitters become co-located on the pole/post;
- g) There are accessible locations (e.g., other poles, apartment balconies) within 10 feet of the antenna at or near antenna level.

The CRAN or Small Cell team managing the cell(s) to which this certification applies must inform HQ RAN when any of the listed changes occur and request a new certification study.

RF SAFETY COMPLIANCE ANALYSIS

RF safety compliance was computationally evaluated using computational modeling contained in the FCC's OET Bulletin 65. A worst-case analysis in which peak power was transmitted 100% of the time was assumed. The results are based on the FCC's maximum permissible exposure limits for the general population.

Exposure predictions based on the antenna and RF data stated above indicate that a separation distance of 5 (five) feet must be kept from the nearest point of the ACE ACOM2F15D-12P-R2 antenna that is deployed alone on the pole/post.

COMPLIANCE ACTIONS

Leasing Agreements

In anticipation of inquiries and concerns of employees, contract workers, and others that may gain proximity to the antennas (collectively, "Covered Persons"), leasing agreements will include language that obligates site owners to:

- 1) Show the antennas to all Covered Persons, as necessary;
- 2) Instruct all Covered Persons to remain at least 5 (five) feet from the antennas;
- 3) Instruct all Covered Persons to inform the pole/post owner if there is a need to get closer than 5 (five) feet from the antennas;
- 4) Instruct all Covered Persons to coordinate work near the antennas with the pole/post owner;
- 5) Contact AT&T at the number provided in the lease to arrange for the appropriate antenna(s) to be de-energized when needed if Covered Persons must work near the antennas, to provide confirmation to the Covered Persons when the antenna(s) have been de-energized, and to inform AT&T when it's safe to restore energy to the antennas.

Upon any RF modifications to a site, AT&T must also reassess the technical parameters of the small cells identified above to confirm continued compliance with the FCC exposure limits.

Signage Actions

- 1) Two AT&T 6" x 6" Notice signs must be placed opposite each other 3 (three) beneath the antenna radome. The Notice sign text must specify that a distance of 5 (five) feet must be kept from the antenna. The drawing in Appendix D of this document illustrates signage placement. Other options for deployment of signage may be discussed with HQ if the pole/post owner refuses to allow signage to be posted on the pole or if other obstacles arise. The sign will inform the person of the potential for high exposure levels and provide a phone number to call and arrange for power to be removed from the antennas for the duration of work.
- 2) The pole/post owner should advise all employees that AT&T antennas are located on some poles/posts and that the guidance provided by the signs should be followed.
- 3) The CRAN or Small Cell team managing the cell(s) must upload this letter into FileNet for each pole/post site as confirmation that RF safety signage has been properly installed.

COMPLETING THIS CERTIFICATION DOCUMENT

Review the CRAN and Small Cell RF Safety Compliance Job Aid for assistance with completing this certification letter. The job aid may be retrieved from the RAN HQ RF Safety SharePoint using the link in Appendix C.

Actions to be taken by the HQ RF Safety Compliance Team

The HQ RF Safety Compliance Team will collaborate with the small cells team to address new issues with signage formatting, deployments, etc., as those issues arise during small cell deployment.

Actions to be taken by the AT&T Market Site Acquisition PM (AMSAP)

The AMSAP shall complete the section below for each site. However, the AMSAP may account for multiple sites/nodes by entering USIDs, FA#,s, and addresses for each in the spaces below.

CRAN or Small Cell USID: See Attachment A

CRAN or Small Cell FA#: See Attachment A

Address: See Attachment A

Name of CRAN or Small Cell POC: MOHAMMAD MATAKHAH

Phone: 480-444-0084

Date of certification: 12/10/2019

Signature: *Mohammad Matakha*

Title: RAN DESIGN ENGINEER

Upon completing the information above and signing, the AMSAP will upload the completed CL as instructed in Appendix B below.

Actions to be taken by the Mobility C&E National PMO

The Mobility C&E National PMO shall upload a copy of the uncompleted CL into a SharePoint location managed by the Mobility C&E National PMO.

APPENDIX A: Accessing the CRAN and Small Cell Certification Library

A library of previously-issued CLs may be consulted to determine whether one of them is applicable to a new deployment.

Use this link to access previously issued certification letters: [CRAN/Small Cells Certification Letters](#).

Contact Jan Wise (hw8938) to request access for the CL s/p link above.

1. If all the conditions in a CL are congruent with the conditions for a prospective new deployment, the CL may be applied according to guidance given in the main body of this document.
2. If changes, e.g., increase in power, to an existing CL would appear to make it applicable to a new deployment, a request for modification may be made to HQ.
3. If no usable CLS are found in the library, a request for a new CL must be made through HQ

APPENDIX B: Naming Conventions for Uploading Completed CLs into Filenet.

CLs completed by the field must be uploaded into Filenet using the following naming convention:

1. Certification letters will be uploaded into Filenet with Doc ID “RS102”
2. If the multiple site/node option is used, the completed CL must be uploaded into all applicable locations.
3. Following file naming convention will be used for CLs when uploading into Filenet
 - a. **RFS Cert_SC_FA_USID_MMDDYY** (Applies to Small Cells)
 - b. **RFS Cert_CRAN_FA_USID_MMDDYY** (Applies to CRAN)
4. Certification letters shall be uploaded into Filenet by C&E or its vendor.

APPENDIX C: RAN HQ RF Safety SharePoint Link

The RAN HQ RF Safety SharePoint link may be consulted to access:

1. CRAN and Small Cell compliance certification process PowerPoint presentation
2. CRAN and Small Cell RF Safety Compliance job aid

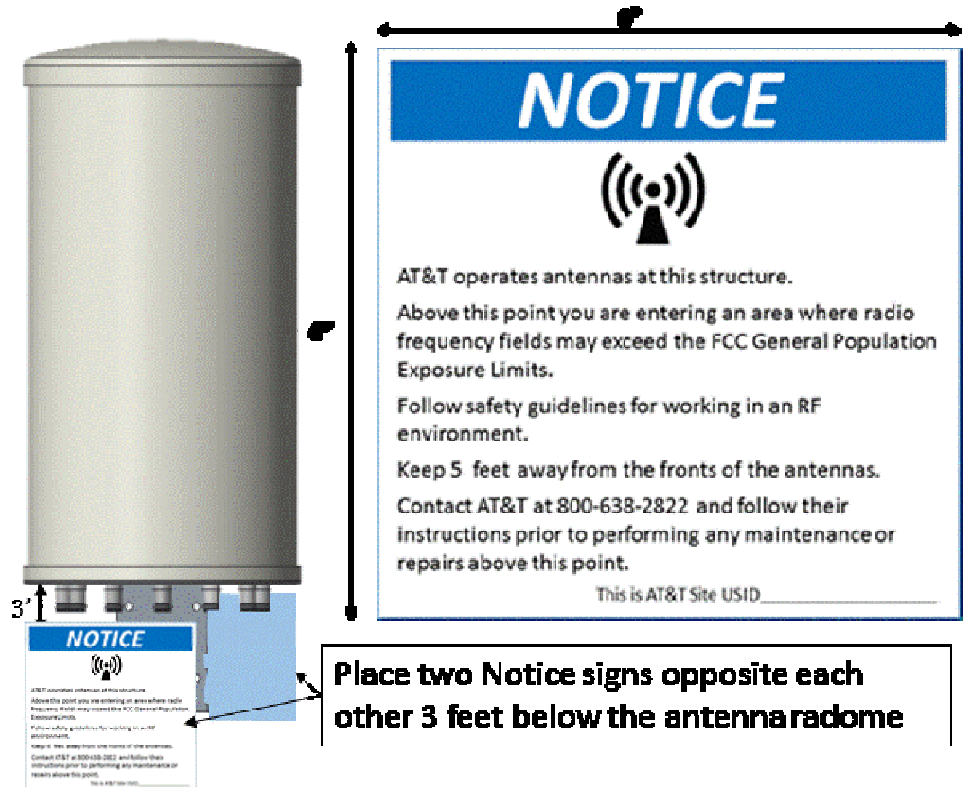
[Small Cells CRAN Compliance Documents](#)

APPENDIX D: Placement of RF Safety Signage.

Signage can be ordered from Stonehouse Signs, Inc., according to the guidance in Section 6.2, "Stonehouse Signs Ordering Process (CRAN)," in ATT-790-202-062

DAS (Distributed Antenna System) and CRAN (Centralized Radio Access Network) Signage Standard." Use this link to access the document:

<http://apex.web.att.com/bookview/bookview.jsp?bookname=ATT-790-202-062&fulltext>



ATTACHMENT A

Site Name	Small Cell USID #	Small Cell FA #	Address
PHX36_003	272060	14876011	6602 E CHAPARRAL RD, PARADISE VALLEY, AZ 85253