



RF SAFETY COMPLIANCE LETTER

Date: 9/7/2020

Band	Model	700	850	PCS	AWS	WCS	5GHz	m
Antenna Power Input (W)	Galtronics GQ2412-06613	0	0	160	160	0	0	0

PURPOSE OF THIS DOCUMENT

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

DEFINITION OF SMALL CELLS INCLUDED IN THIS COMPLIANCE LETTER

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

- Antennas:** Galtronics GQ2412-06613
- Lowest Antenna centerline height:** 22 feet above ground level
- Transmission Frequencies:** PCS,AWS
- Maximum Power input per frequency into (4G) Antenna:** 160,160
- Antenna positions:** Top & Side mount (4G position)
- Co-locators:** No other emitters are on pole/post/mounting location
- No accessible locations (e.g., other poles, apartment balconies) within 15 feet of the antenna at or near antenna level (**this is not the safe distance**)

0.5 dB cable loss considered in the calculation of safe distance for PCS band

0.5 dB cable loss considered in the calculation of safe distance for AWS band

INVALIDATION OF THIS COMPLIANCE LETTER

This Compliance Letter becomes invalid when any of the conditions above are changed or antenna positioning is altered or additional sectors are deployed

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

Class 2C Sites: These are host-operated sites. AT&T RAN HQ will review EME reports provided by host companies and determine compliance based on these reports. CL will not be required for host operated sites.



RF SAFETY COMPLIANCE ANALYSIS

RF safety compliance was computationally evaluated using theoretical modeling contained in the FCC's OET Bulletin 65, considering a worst-case scenario 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 analysis indicates that the safe distances are:

Horizontal Safe Distance (in feet)	10'
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COMPLIANCE ACTIONS

Leasing Agreements

In anticipation of inquiries and concerns of employees, contract workers, and others that may work in close proximity to the antennas (collectively, "Covered Persons"), the 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 10 feet from the antennas;
- 3) Instruct all Covered Persons to inform the pole/post owner if there is a need to get closer than 10 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 800-638-2822, opt. 9, 3, 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.

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

Signage Actions

- 1) Two AT&T 8.25" x 8.25" Caution signs must be placed 5 (five) feet beneath the antenna on the antenna's boresight. The Caution sign must specify a distance of 10 (ten) 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 RAN Compliance Team 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.

The drawing in **Appendix D** of this document illustrates signage placement.

Other options for deployment of signage may be discussed with HQ RAN Compliance Team 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 iComply for each pole/post site as confirmation that RF safety signage has been properly installed.

Completing this Compliance Letter Document

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

Actions to be taken by the HQ RF Safety Compliance Team

The HQ RAN RF Safety Compliance Team will collaborate with the C&E Densification N-PMO Team to address new issues with signage formatting, deployments, etc., as those issues arise during CRAN/Small Cell deployment.

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

The AMSAP shall complete the fields below for each site, but are NOT TO SIGN the section below.

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

fa	usid	SCIP Cand	Site Id	Address
14932132	216873	21154-014	WATCM-041	12701 MERIDIAN EAST;;PUYALLUP;98373
14847400	275861	27107-050	WATCM-050	100 RIVER RD;;PUYALLUP;98371

Actions to be taken by the RAN RF Design Engineer (RFDE)

The RFDE shall populate and approve the fields below, by adding a signature and date.

Name of CRAN or Small Cell RF Engineering POC: Karl Ravago (KR575H)

Title: RF Design Engineer

 Recoverable Signature

X Karl Ravago

Karl Ravago
RF Design Engineer

Signature: Signed by: kr575h

Date of Signature: 12/10/2020



Upon completing the information above and signing, C&E or RFDE 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 unsigned CL into a SharePoint location managed by the Mobility C&E National PMO prior to site construction start. Following completion of site construction and signage actions, Mobility C&E PM will upload the signed copy of the CL into iComply, which will flow to FileNet, by following the instructions in Appendix B.

APPENDIX A: Accessing the CRAN and Small Cell Compliance Letter 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 Compliance Letter letters: [CRAN/Small Cells Compliance Letters](#)
Contact Jan Wise (hw8938) to request access to the CL SharePoint link above.

**** Access is not granted to Non-Staff Supplemental Non-Payroll Workers (NSS NPWs) ****

1. If all the conditions in a CL are congruent with the conditions for a prospective new deployment, the CL may be applied per 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 RAN Compliance Team.
3. If no usable CLs are found in the library, a request for a new CL must be made through the CRAN RF Safety Compliance mailbox (g13613@att.com)

APPENDIX B: Naming Conventions for Uploading Completed CLs into iComply

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

1. Signed Compliance Letter Letters will be uploaded into iComply
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 iComply
 - a. **RFS Cert_SC_FA_USID_MMDDYY** (Applies to Small Cells)
 - b. **RFS Cert_CRAN_FA_USID_MMDDYY** (Applies to CRAN)

APPENDIX C: Densification SharePoint Link

The Densification MPE Studies SharePoint link may be consulted to access:

1. CRAN and Small Cell Class 2 CL Request process flow
2. CRAN and Small Cell RF Safety Compliance Job Aid

[Job Aids and MPE Templates](#)



See Appendix D (below)

APPENDIX D: Placement of RF Safety Signage.

Signage **must be ordered from ACP Intl Signs Inc.**, according to the guidance in Section 6.2 “ACP Intl signs ordering process (CRAN) in ATT-790-202-062 DAS (Distributed Antenna System) and CRAN (Centralized Radio Access Network) Signage Standard.”

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

1. Ordering part number for this sign is: **“ABOVE R893RPE-5”**
2. Sign Dimensions are: height=8.25”, width=8.25”
3. Use the supplied number pad to enter the number **10** into the blank space as shown in the sign diagram

