Radiofrequency Radiation Compliance is required for any site in which there is an active transmitter. **RF compliance is part of NEPA and on every license application.** Every site with **FCC licensed** transmitters is required to have RF MPE Data at a *minimum* to legally complete the FCC application. All FCC licensees agree to comply with RF regulations when they submit their FCC licensing application. (*example Forms: 601, 854, 303*) They are legally bound to SHOW proof of RF Compliance if asked.

Many times RF issues can also be engineered out on the front end. RSI has successfully helped clients expedite the site build process through our independent RF assessments and expert input. RF is a safety issue, and anytime a modification is made, a new study is required to prove compliance.

I've broken down the steps to compliance for better understanding.

Steps to Compliance: www.rsicorp.com

1. **An RF Safety Plan**: https://www.rsicorp.com/sp
2. **RF Training**:https://www.rsicorp.com/webinar-on-demand https://www.rsicorp.com/vu
3. **RF personal protection monitors**: https://www.rsicorp.com/fieldsense
4. **RF Assessments**: https://www.rsicorp.com/hazard-assessments

Links for More information and specifics:

Licensees have the requirement to ensure safety for both the general public as well as workers. Both the FCC and OSHA mandate compliance. **Members of Congress are taking notice and demanding the FCC do something regarding radiation exposure. Letter to Coommissioner Carr: Dec 2018** https://www.apnews.com/1af871f007d64aa9a178a88fef924210 **2015:**

https://www.blumenthal.senate.gov/imo/media/doc/Blumenthal%20Eshoo%20RF%20Letter%20to%20FCC%2020150917.pdf

OSHA/FCC: Communicaiton Tower Best Practices document: https://www.osha.gov/Publications/OSHA3877.pdf

Several licenses got issued forfeitures from the FCC. http://transition.fcc.gov/eb/Orders/2015/DA-15-1298A1.html For failure **T-Mobile** apparently has failed to adequately prevent public access to the areas immediately in front of the antennas for these stations where radiofrequency (RF) emissions exceed what is permissible for exposure to the general population. Accordingly, we propose a penalty of $60,000 for failing to comply with the requirement of our RF maximum permissible exposure (MPE) limits

We find that T-Mobile apparently willfully and repeatedly violated Section 1.1310 of the Rules, by failing to comply with the radiofrequency MPE limits applicable to its transmitters and facilities. Section 503(b) of the Act authorizes the Commission to impose a forfeiture against any entity that "willfully or repeatedly fail[s] to comply with any of the provisions of [the Act] or of any rule, regulation, or order issued by the Commission."27 Here, Section 503(b)(2)(B) of the Act authorizes us to assess a forfeiture against T-Mobile of up to $160,000 for each day of a continuing violation, up to a statutory maximum of $1,575,000 for a single act or failure to act from date of notice!

This conscent decree sets best management practices for RF exposure. http://transition.fcc.gov/Daily_Releases/Daily_Business/2014/db0430/DA-14-561A1.pdf this spells out they must inspect all rooftops and train all employees and contractors at least YEARLY on RFE.

With the **Mobilitie/Sprint** Consent decrees. $10 and $1.6 Million in fines
https://transition.fcc.gov/eb/Orders/2018/DA-18-193A1.html
https://transition.fcc.gov/eb/Orders/2018/DA-18-194A1.html

The FCC's policies concerning environmental RF fields are designed to ensure that FCC-regulated transmitters do not expose the public or workers to levels of RF radiation that are considered by expert organizations to be potentially harmful. Therefore, if a transmitter and its associated antenna are regulated by the FCC, they must comply with provisions of the FCC's rules regarding human exposure to RF radiation. In its 1997 Order, the FCC adopted a provision that all transmitters regulated by the FCC, regardless of whether they are excluded from routine evaluation, are expected to comply with the new guidelines on RF exposure by September 1, 2000 (Reference 56). https://transition.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet56/oet56e4.pdf

RSI webpage is a wealth of knowledge:
This is the resource page and has all the regulations:
https://www.rsicorp.com/resources

This page has frequently asked questions which have been compiled over 20 years: https://www.rsicorp.com/faqs

This is the RSI blog: https://www.rsicorp.com/our-blog

RSI youtube channel: https://www.youtube.com/channel/UCjmIEfeGgbUil2Px_sUkNtQ/videos
This video covers the regulations: https://www.youtube.com/watch?v=g6rekX_3cHA