



**Review of Cellular Antenna Site Proposals**

Project Sponsor:	Planner:
RF Engineer Consultant:	Phone Number:
Project Address/Location:	

The following information is required to be provided before approval of this project can be made. These requirements are established in the San Francisco Planning Department Wireless Telecommunications Services Facility Siting Guidelines dated August 1996. In order to facilitate quicker approval of this project, it is recommended that the project sponsor review this document before submitting the proposal to ensure that all requirements are included.

X 1. The location, identity and total number of all operational radiating antennas installed at this site. (WTS-FSG, Section 10.4.1, Section 11, 2b)

X 2. List all radiating antennas located within 100 feet of the site which could contribute to the cumulative radio frequency energy at this location. (WTS-FSG Section 10.5.2)

X 3. Provide a narrative description of the proposed work for this project. The description should be consistent with scope of work for the final installation drawings. (WTS-FSG, Section 10)

X 4. Provide an inventory of the make and model of antennas or transmitting equipment being installed or removed. The antenna inventory should also include the proposed installation height above the nearest walking/working surface as well as the height above ground level. Also include the orientations of the antennas. (WTS-FSG, Section 10.5.2)

X 5. Describe the existing radio frequency energy environment at the nearest walking/working surface to the antennas and at ground level. This description may be based on field measurements or calculations. Please include a description of any assumptions made when doing the calculations. (WTS-FSG, Section 10.4.1a, Section 10.4.1c, Section 10.5)

X 6. Provide the maximum effective radiated power per sector for the proposed installation. The power should be reported in Watts and reported both as a total and broken down by the frequency band width (i.e. PCS, AWS, Cellular, etc ) (WTS-FSG, Section 10.1.2, Section 10.5.1).

X 7. Based on the antenna orientation, describe the maximum cumulative predicted radio frequency energy level for any nearby publicly accessible building or area. Include the address of the building or structure and the maximum predicted amount of radio frequency energy both as a percent of the FCC standard and in mW/cm<sup>2</sup>. Include a description of any assumptions made when doing these calculations. (WTS-FSG, Section 10.4, Section 10.5.1)

X 8. Report the estimated cumulative radio frequency fields for the proposed site at ground level. State the percentage of the FCC standard utilized and power density exposure level in mW/cm<sup>2</sup>. (WTS-FSG, Section 10.5)

X 9. Provide the maximum distance (in feet) the three dimensional perimeter of the radio frequency energy level equal to the public and occupational exposure limit is calculated to extend from the face of

the antennas. Indicate if this will include any walking/working surfaces or if it extends only into free space. (WTS-FSG, Section 10.9.2).

X 10. Provide a description of whether or not the public has access to the antennas. Describe any existing or proposed warning signs, barricades, barriers, rooftop striping or other safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards. At a minimum, signs should be provided in English, Spanish and Chinese. (WTS-FSG, Section 9.5, Section 10.9.2).

X 11. Statement on who produced this report and qualifications. Report must be signed off by a licensed engineer expert in the field of radio frequency emissions. Typically, this is a licensed electrical engineer. The engineer must be licensed in the State of California. (WTS-FSG, Section 11, 8)

Review Template Rev 2015.1