



**HAMMETT & EDISON, INC.**  
 CONSULTING ENGINEERS  
 BROADCAST & WIRELESS

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**BY EMAIL DNEWENHOUSE@KQED.ORG**

June 15, 2021

Mr. Donny Newenhouse  
 KQED, Executive Director  
 50 Beale Street, 5th Floor  
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Dear Donny,

As requested, and pursuant to the FCC special operating condition for the permitted auxiliary operation of KQED-FM, 88.5 MHz, Channel 203B, San Francisco, California, at the Sutro Tower broadcast site, at One La Avanzada Street in San Francisco, we have measured the radio frequency (“RF”) exposure levels at ground near the Tower for compliance with FCC RF exposure limits.

The Sutro Tower site was visited by the undersigned engineer and by Mr. Scott Walthard, a qualified field technician, both employed by Hammett & Edison, Inc., during regular business hours on April 8, 2021, a non-holiday weekday. The site is entirely encompassed by a chain-link fence, with access into the area controlled by a manned locked gate. For a worst-case assessment of RF exposure levels, all stations with auxiliary antennas at the site, including KQED-FM, were set to operate at full power from those antennas.

Measurements were made throughout the surrounding neighborhood, including along all residential streets within a 1,000-foot radius of Sutro Tower. Measurements were made using a Narda Type NBM-520 Broadband Field Meter with Type EF-0391 and Type EA-5091 Isotropic Broadband Electric Field Probes (Serial Nos. D-0454 and 01035, respectively). The meter and probes were under current calibration by the manufacturer.

The maximum RF exposure level measured at any ground level location surrounding Sutro Tower, when all auxiliary antennas were operating, was 29% of the applicable FCC public exposure limit. For worker access to the Tower itself, it is understood that KQED-FM will coordinate with other users at the site to reduce power, as necessary, to comply with FCC occupational exposure limits.

We appreciate the opportunity to be of service. Please let us know if you need anything further at this time.

Sincerely,

*Rajat Mathur*  
 Rajat Mathur, P.E.



cc: Mr. Larry Wood – BY EMAIL LWOOD@KQED.ORG  
 Mr. Raul Velez – BY EMAIL RAULV@SUTROTOWER.COM