

WUSO Rooftop RF Field Strength Measurements

On February 28th 2006 I, Eugene Simmons, made field strength measurements using a Holaday Industries microwave survey meter model HI-3002 serial number 39817. M.R. of Holaday Industries calibrated this unit when it was new on 4-28-88. I used the E field probe serial number 1041HR also calibrated 4-28-88 by M.R. This probe is rated to be within 2 db from 500 Khz to 6 Ghz covering all frequencies used on this roof. With WUSO operating at 100 watts ERP I checked all 3 levels of the rooftop by holding the probe at knee level and moving it up to 6' while watching the meter reading. I determined the average of this sweep by visual indication. I repeated this process every 3 feet in a grid over the entire roof area. The time-averaged readings in all areas were less than 200 microwatts per square centimeter.

Since the RF measurements did not exceed the allowed limits for general population, no specific RFR warning signs were necessary. However the rooftop door is locked and a RF notice sign is on order and will be posted on the roof access door as soon as the sign is received. A sign stating that the rooftop is a restricted area and only authorized personnel are allowed is also on order.

I, Eugene Simmons, contract engineer for WUSO state that the measurements taken are true and accurate to the best of my knowledge. I have worked as a broadcast engineer for almost 20 years and am familiar with the proper operation of the Holaday Industries microwave survey meter.

Eugene Simmons
Contract Engineer
3-17-2006