

GEORGIA STATE UNIVERSITY – WRAS

ATLANTA, GEORGIA

RFR ANALYSIS

The potential RFR hazard two meters above ground level was calculated using FCC program FM Model. Calculations were made for the proposed WRAS facility and the five stations shown below.

The WUBL and WWPW facilities are licensed as auxiliary facilities only. The WWWQ and WWNX facilities are authorized but not built. Please note that WWWQ appears twice, but only the one with the larger contribution was included in the total.

Also, please note that for the WUBL and WWPW calculations the licensed ERI 12 bay RotoTiller antenna was used, while WRAS, WWPW and WWWQ were calculated using a Phelps-Dodge single bay antenna yielding "worst case" results.

The sum of the licensed, authorized and proposed contributions at two meters above ground level is 49.4 microwatts per square centimeter, well below the recommended maximum level of 200 microwatts per square centimeter for uncontrolled spaces.

<u>CALL</u>	<u>STATUS</u>	<u>HAGL-2 meters</u>	<u>kW H&amp;V</u>	<u>POWER DENSITY μW/cm<sup>2</sup> @2m AGL</u>
WRAS	NEW APP	299	50/50	22.8
WUBL	LICENSE AUX ONLY	301	37/37	1.3
WWPW	LICENSE AUX ONLY	301	37/37	1.3
WWWQ	BXPH-20120807ACC AUX CP	235	15/15	11.1*
WWWQ	BPXH-20120807ABZ AUX CP	300.5	48/48	21.7
WWNX	BXPH-20120807ABY AUX CP	321	5.9/5.9	<u>2.3</u>
			TOTAL	49.4

\* Omitted