

**SUMMARY OF RADIOFREQUENCY  
RADIATION STUDY**  
TEXAS PUBLIC RADIO  
MARCH, 2011

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLARIZATION</u>	<u>ANTENNA HEIGHT **</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>WORST-CASE PREDICTED POWER DENSITY (mW/cm<sup>2</sup>)</u>	<u>FCC UNCONTROLLED LIMIT (mW/cm<sup>2</sup>)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
KPAC	FM	202	88.3	H & V	270	69.000	1.000	0.06324	0.200	31.62%
KSTX	FM	206	89.1	H & V	270	72.000	1.000	0.06599	0.200	33.00%
KAJA	FM	247	97.3	H & V	336	100.000	FM1*	0.00345	0.200	1.73%
KBBT	FM	253	98.5	H & V	330	98.000	FM1*	0.00350	0.200	1.75%
KCYT	FM	262	100.3	H & V	330	100.000	FM1*	0.00358	0.200	1.79%
KONO-FM	FM	266	101.1	H & V	330	98.000	FM1*	0.00350	0.200	1.75%
KSSJ-LP	TV	42	641	H	105	10.000	1.000	0.01515	0.427	3.55%
<b>TOTAL PERCENTAGE OF ANSI VALUE=</b>										<b>75.18%</b>

\* FM1 -----> Uses FM Model Program, Antenna type = ERI RototillerType, 8-bay, one wavelength spaced.

\*\* The antenna heights indicated above are 2 meters less than the actual antenna heights  
so that the predicted power densities consider the 2 meter human height allowance.