

**RF Field Analysis
WTCI-DT – Chattanooga, Tennessee
September 2014**

Station	Channel (freq MHz)	ERP (kw)	C/R (m)	REL Field	RF field (uW/cm²)	MPE (uW/cm²)	%MPE
WTCI-DT	560-566	200	142	0.2	20	378	5.3
WUTC-FM	88.1	30	60	0.5	42	205	20.5
WYHB-TV	650-656	15	59.7	0.2	8	438	1.8
							Total 27.6

Station	Uncontrolled MPE (m from C/R)	Controlled MPE (m from C/R)
WTCI-TV	32.8	14.7
WUTC-FM	27.4	12.3
WYHB-TV	8.3	3.7

All broadcast entities using the two towers on the WTCI broadcast site are listed.

Safe MPE levels are achieved at least 30 meters up the tower.

The transmitter site is further protected by having a chain link fence with three levels of barbed wire controlling access to the site. The closest section of fence to the tower is 250 ft making the site safe for the general population.

All stations on site have agreed to either drastically lower power or turn-off (based on tower crew preference) when tower crews are working on the tower.