

ENVIRONMENTAL AND RADIO FREQUENCY SAFETY

The licensee of WYHB-CD is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WYHB-CD antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

The predicted emissions of WYHB-CD's proposed STA facility on channel 44 at 2 meters AGL are less than 5% of the guidelines for "uncontrolled" environments, and as such need not be considered further. (See Appendix A)

APPENDIX A

SUMMARY OF RADIOFREQUENCY RADIATION STUDY

WYHB-CD, Chattanooga, TN Channel 44, 7.5 kW, 230 HAAT January, 2019

							VERT.	WORST-CASE	FCC	
							RELATIVE	PREDICTED	UNCONTROLLED	PERCENT OF
				POLAR-	ANTENNA	ERP	FIELD	POWER DENSITY	LIMIT	UNCONTROLLED
CALL	SERVICE	<u>CHANNEL</u>	FREQUENCY	IZATION	<u>HEIGHT</u>	<u>(kW)</u>	FACTOR	<u>(µW/cm²)</u>	<u>(µW/cm²)</u>	LIMIT
WYHB-CD	DT	44	653	Н	28	7.500	0.200	14.827	435.33	3.41%

TOTAL PERCENTAGE OF FCC GUIDELINE VALUE = 3.41%

