RF HAZARD STATEMENT
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION WXTX
COLUMBUS, GEORGIA
CHANNEL 24 190 KW (MAX-DA) 339 m

With respect to the potential for human exposure to radio frequency (RF) energy, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF energy at ground level in excess of FCC standards. Power density calculations were conducted at 2-m above ground[1] based on the following conservative assumptions, with the following results:

Call Sign	Channel	Total ERP (kW)[2]	Distance (m)	Relative Field Factor[3]	FCC Limit[4] (uW/cm^2)	Percentage of Limit
WXTX	24	223.5	337.9	0.1	355.3	0.18%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 0.18% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing.

Public access to the transmitting site is restricted and appropriately marked with RFR warning signs. Furthermore, a protocol will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures are taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure.

[1] The radiation center is located 339.9 m above ground level.
[2] Horizontally polarized ERP 190 kW, Vertically polarized ERP 33.5 kW.
3 This is a conservative assumption for the maximum relative field at steep downward angles. See attached vertical relative field pattern.
4 For general population/uncontrolled environments

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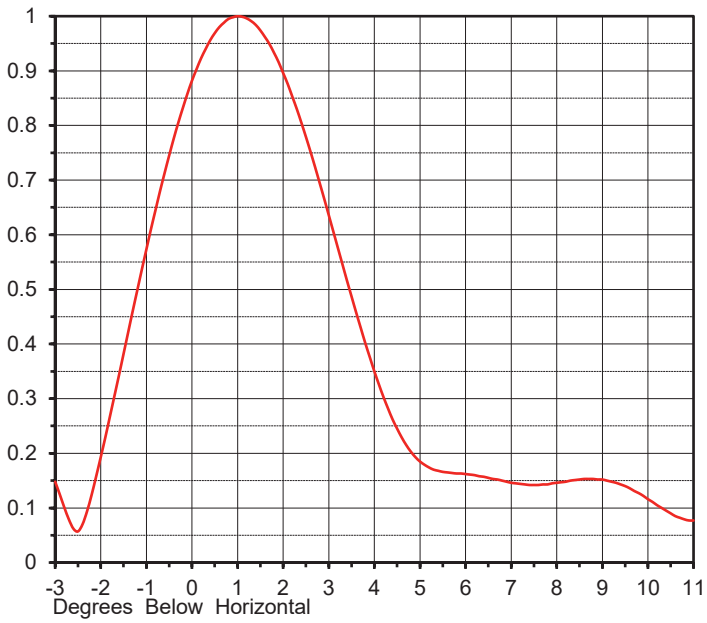
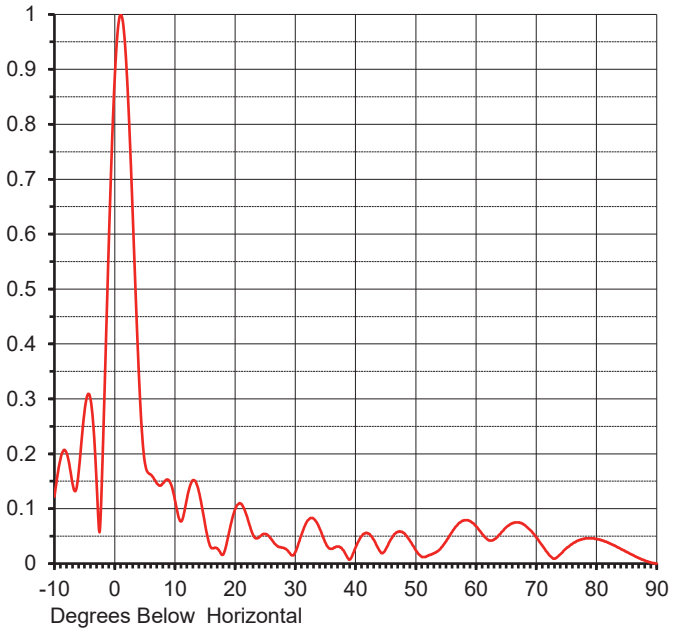
ELEVATION PATTERN

Proposal No.	**C-70081-1**
Date	**11-Apr-17**
Call Letters	**WXTX**
Frequency	**533 MHz**
Channel	**24**
Antenna Type	**TFU-16JTH/VP-R P230**

RMS Directivity at Main Lobe	**15.25 (11.83 dB)**	Beam Tilt	**1.00 deg**
RMS Directivity at Horizontal	**11.90 (10.76 dB)**	Drawing Number	**16J150100**
	Calculated		





Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.122	10.0	0.116	30.0	0.021	50.0	0.024	70.0	0.048
-9.0	0.190	11.0	0.077	31.0	0.052	51.0	0.012	71.0	0.033
-8.0	0.202	12.0	0.118	32.0	0.078	52.0	0.014	72.0	0.018
-7.0	0.146	13.0	0.152	33.0	0.082	53.0	0.019	73.0	0.009
-6.0	0.164	14.0	0.130	34.0	0.065	54.0	0.026	74.0	0.017
-5.0	0.277	15.0	0.072	35.0	0.038	55.0	0.040	75.0	0.028
-4.0	0.299	16.0	0.029	36.0	0.027	56.0	0.057	76.0	0.036
-3.0	0.148	17.0	0.028	37.0	0.031	57.0	0.072	77.0	0.042
-2.0	0.193	18.0	0.016	38.0	0.024	58.0	0.079	78.0	0.045
-1.0	0.573	19.0	0.057	39.0	0.007	59.0	0.077	79.0	0.046
0.0	0.882	20.0	0.099	40.0	0.029	60.0	0.068	80.0	0.045
1.0	1.000	21.0	0.109	41.0	0.050	61.0	0.054	81.0	0.042
2.0	0.896	22.0	0.085	42.0	0.055	62.0	0.043	82.0	0.038
3.0	0.636	23.0	0.052	43.0	0.044	63.0	0.044	83.0	0.033
4.0	0.350	24.0	0.048	44.0	0.023	64.0	0.054	84.0	0.027
5.0	0.185	25.0	0.054	45.0	0.026	65.0	0.066	85.0	0.021
6.0	0.162	26.0	0.045	46.0	0.046	66.0	0.073	86.0	0.016
7.0	0.146	27.0	0.032	47.0	0.058	67.0	0.075	87.0	0.010
8.0	0.146	28.0	0.029	48.0	0.056	68.0	0.071	88.0	0.006
9.0	0.152	29.0	0.020	49.0	0.042	69.0	0.061	89.0	0.002
								90.0	0.000