

RF HAZARD STATEMENT  
SECOND FILING WINDOW  
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT  
TV STATION WFXG  
AUGUSTA, GEORGIA  
CHANNEL 36 373 KW (ND) 380 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<sup>1</sup> based on the following conservative assumptions, with the following results:

Call Sign	Channel	Total ERP (kW) <sup>2</sup>	Distance (m)	Relative Field Factor <sup>3</sup>	FCC Limit <sup>4</sup> (uW/cm <sup>2</sup> )	Percentage of Limit
WFXG	36	514	339.3	0.1	403.3	0.37%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 0.37 % 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.

<sup>1</sup> The radiation center is located 341.3 m above ground level.

<sup>2</sup> Horizontally polarized ERP 373 kW, Vertically polarized ERP 141 kW.

<sup>3</sup> This is a conservative presumption for the maximum relative field at steep downward angles. See attached vertical plane relative field pattern.

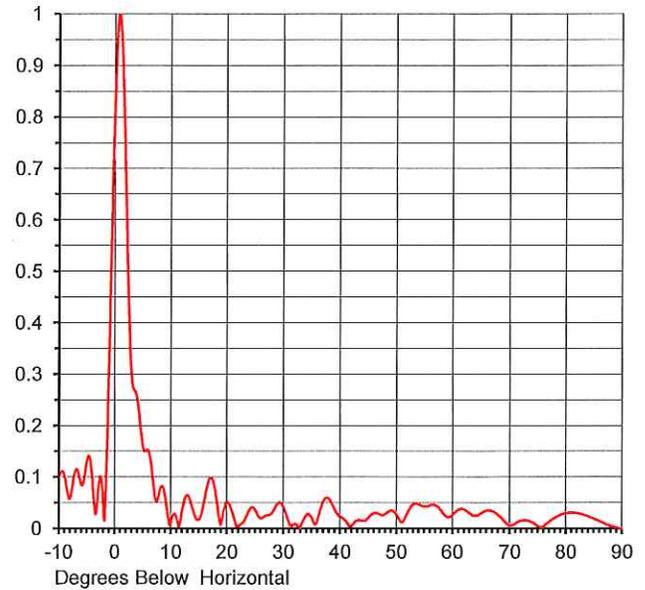
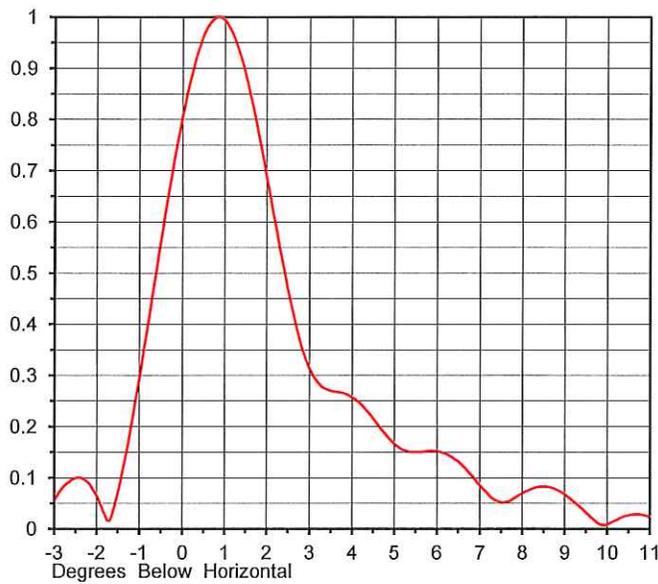
<sup>4</sup> For general population/uncontrolled environments

## ELEVATION PATTERN

Proposal No. **C-70540**  
 Date **16-Mar-17**  
 Call Letters **WFXG**  
 Channel **36**  
 Frequency **605 MHz**  
 Antenna Type **TFU-26JTH/VP-R 04**

RMS Directivity at Main Lobe **24.5 ( 13.89 dB )**  
 RMS Directivity at Horizontal **17.6 ( 12.46 dB )**  
**Calculated**

Beam Tilt **0.75 deg**  
 Pattern Number **26J245075**



Angle	Field								
-10.0	0.101	10.0	0.013	30.0	0.042	50.0	0.028	70.0	0.006
-9.0	0.104	11.0	0.022	31.0	0.012	51.0	0.013	71.0	0.010
-8.0	0.059	12.0	0.036	32.0	0.009	52.0	0.031	72.0	0.015
-7.0	0.114	13.0	0.065	33.0	0.005	53.0	0.047	73.0	0.016
-6.0	0.087	14.0	0.035	34.0	0.026	54.0	0.047	74.0	0.012
-5.0	0.131	15.0	0.018	35.0	0.021	55.0	0.043	75.0	0.005
-4.0	0.099	16.0	0.057	36.0	0.018	56.0	0.045	76.0	0.004
-3.0	0.070	17.0	0.099	37.0	0.053	57.0	0.045	77.0	0.013
-2.0	0.049	18.0	0.069	38.0	0.058	58.0	0.036	78.0	0.021
-1.0	0.346	19.0	0.012	39.0	0.039	59.0	0.023	79.0	0.027
0.0	0.848	20.0	0.051	40.0	0.024	60.0	0.026	80.0	0.030
1.0	0.984	21.0	0.030	41.0	0.015	61.0	0.036	81.0	0.031
2.0	0.648	22.0	0.005	42.0	0.006	62.0	0.037	82.0	0.030
3.0	0.300	23.0	0.015	43.0	0.016	63.0	0.030	83.0	0.028
4.0	0.253	24.0	0.037	44.0	0.015	64.0	0.025	84.0	0.024
5.0	0.161	25.0	0.036	45.0	0.021	65.0	0.029	85.0	0.019
6.0	0.151	26.0	0.020	46.0	0.030	66.0	0.035	86.0	0.015
7.0	0.078	27.0	0.026	47.0	0.028	67.0	0.034	87.0	0.010
8.0	0.074	28.0	0.032	48.0	0.028	68.0	0.027	88.0	0.005
9.0	0.063	29.0	0.049	49.0	0.035	69.0	0.016	89.0	0.002
								90.0	0.000

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