RF HAZARD STATEMENT
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION WLOX
BILOXI, MISSISSIPPI
CHANNEL 32 485 KW (MAX-DA) 397 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
WLOX	32	607	372.1	0.1	387.3	0.38%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 0.38% 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.

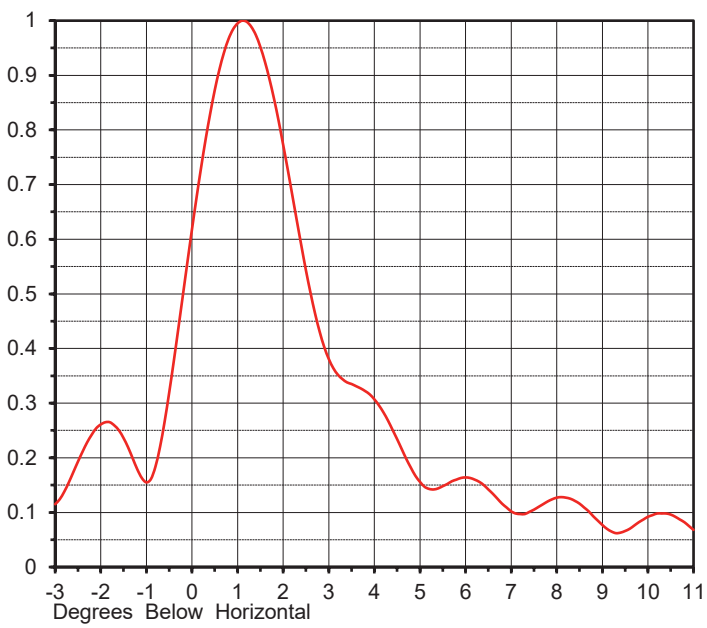
[1] The radiation center is located 374.1 m above ground level.
[2] Horizontally polarized ERP 485 kW, Vertically polarized ERP 121 kW.
3 This is a conservative presumption for the maximum relative field at steep downward angles. See attached vertical plane relative field pattern.
4 For general population/uncontrolled environments

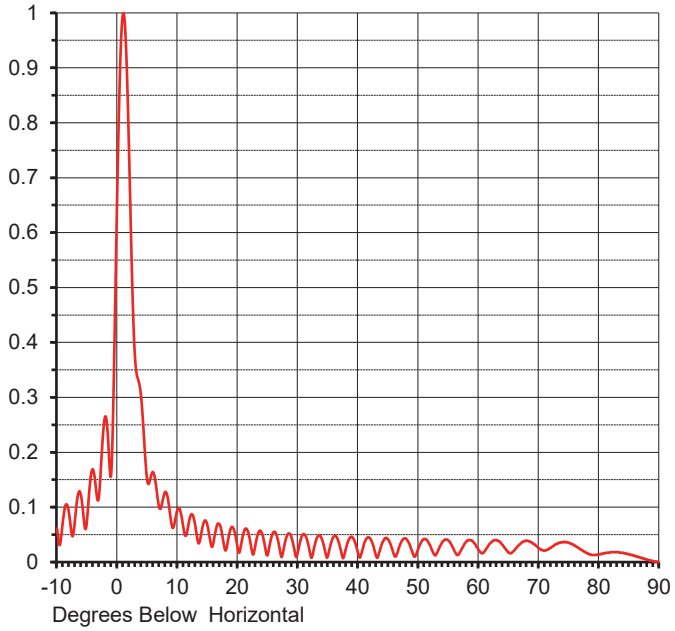
Dielectric®

ELEVATION PATTERN

Proposal No.	**C-70094-1**
Date	**26-Mar-17**
Call Letters	**WLOX**
Channel	**32**
Frequency	**581 MHz**
Antenna Type	**TFU-27ETT/VP-R C140**

RMS Directivity at Main Lobe	**25.0 (13.98 dB)**	Beam Tilt	**1.00 deg**
RMS Directivity at Horizontal	**11.4 (10.57 dB)**	Pattern Number	**27E250100**
	Calculated		





Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.061	10.0	0.095	30.0	0.019	50.0	0.025	70.0	0.025
-9.0	0.077	11.0	0.061	31.0	0.051	51.0	0.042	71.0	0.021
-8.0	0.088	12.0	0.078	32.0	0.017	52.0	0.029	72.0	0.026
-7.0	0.079	13.0	0.063	33.0	0.039	53.0	0.015	73.0	0.033
-6.0	0.120	14.0	0.055	34.0	0.041	54.0	0.037	74.0	0.036
-5.0	0.080	15.0	0.065	35.0	0.012	55.0	0.039	75.0	0.035
-4.0	0.168	16.0	0.037	36.0	0.047	56.0	0.020	76.0	0.030
-3.0	0.124	17.0	0.068	37.0	0.027	57.0	0.020	77.0	0.023
-2.0	0.265	18.0	0.021	38.0	0.026	58.0	0.038	78.0	0.016
-1.0	0.161	19.0	0.064	39.0	0.046	59.0	0.038	79.0	0.013
0.0	0.676	20.0	0.026	40.0	0.015	60.0	0.022	80.0	0.014
1.0	1.000	21.0	0.054	41.0	0.034	61.0	0.020	81.0	0.016
2.0	0.728	22.0	0.042	42.0	0.043	62.0	0.035	82.0	0.018
3.0	0.364	23.0	0.035	43.0	0.011	63.0	0.040	83.0	0.018
4.0	0.296	24.0	0.053	44.0	0.035	64.0	0.031	84.0	0.017
5.0	0.147	25.0	0.014	45.0	0.041	65.0	0.017	85.0	0.014
6.0	0.163	26.0	0.055	46.0	0.012	66.0	0.022	86.0	0.011
7.0	0.098	27.0	0.022	47.0	0.033	67.0	0.034	87.0	0.008
8.0	0.128	28.0	0.042	48.0	0.042	68.0	0.039	88.0	0.004
9.0	0.070	29.0	0.042	49.0	0.018	69.0	0.034	89.0	0.002
								90.0	0.000