

RF HAZARD STATEMENT  
APPLICATION FOR CONSTRUCTION PERMIT  
TV STATION WFLX  
WEST PALM BEACH, FLORIDA  
CHANNEL 35 710 KW (MAX-DA) 452 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
WFLX	35	835	449.6	0.1	399.3	0.35%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 0.35% 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, as this is a multi-user site, a protocol is 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 451.6 m above ground level.

<sup>2</sup> Horizontally polarized ERP 710 kW, vertically polarized ERP 125 kW.

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

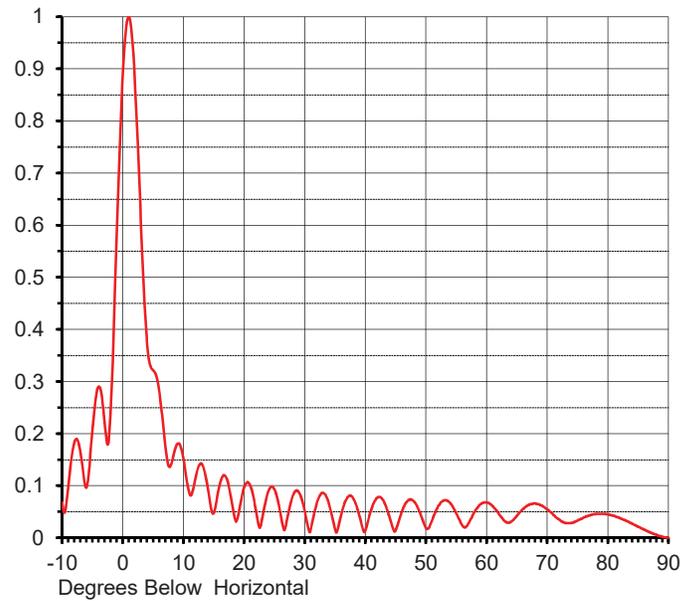
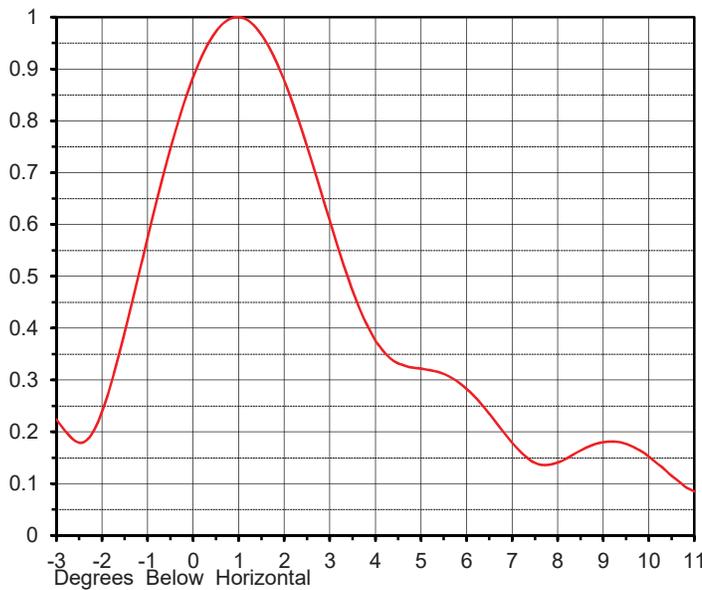
<sup>4</sup> For general population/uncontrolled environments

## ELEVATION PATTERN

Proposal No. **C-70083**  
 Date **11-Feb-17**  
 Call Letters **WFLX 35**  
 Frequency **599 MHz**  
 Antenna Type **TFU-16ETT/VP-R P210**

RMS Directivity at Main Lobe **14.50 ( 11.61 dB )**  
 RMS Directivity at Horizontal **11.30 ( 10.53 dB )**  
**Calculated**

Beam Tilt **1.00 deg**  
 Drawing Number **16E135100**



Angle	Field								
-10.0	0.068	10.0	0.152	30.0	0.052	50.0	0.019	70.0	0.055
-9.0	0.096	11.0	0.085	31.0	0.015	51.0	0.033	71.0	0.044
-8.0	0.182	12.0	0.114	32.0	0.066	52.0	0.060	72.0	0.035
-7.0	0.166	13.0	0.142	33.0	0.086	53.0	0.072	73.0	0.028
-6.0	0.096	14.0	0.097	34.0	0.065	54.0	0.067	74.0	0.028
-5.0	0.205	15.0	0.047	35.0	0.017	55.0	0.047	75.0	0.033
-4.0	0.290	16.0	0.102	36.0	0.043	56.0	0.024	76.0	0.039
-3.0	0.224	17.0	0.117	37.0	0.076	57.0	0.027	77.0	0.043
-2.0	0.238	18.0	0.068	38.0	0.076	58.0	0.049	78.0	0.046
-1.0	0.574	19.0	0.040	39.0	0.043	59.0	0.064	79.0	0.046
0.0	0.884	20.0	0.096	40.0	0.013	60.0	0.068	80.0	0.045
1.0	1.000	21.0	0.101	41.0	0.054	61.0	0.061	81.0	0.042
2.0	0.878	22.0	0.051	42.0	0.077	62.0	0.047	82.0	0.038
3.0	0.607	23.0	0.036	43.0	0.071	63.0	0.032	83.0	0.033
4.0	0.376	24.0	0.089	44.0	0.040	64.0	0.030	84.0	0.027
5.0	0.322	25.0	0.093	45.0	0.014	65.0	0.042	85.0	0.021
6.0	0.283	26.0	0.048	46.0	0.049	66.0	0.055	86.0	0.016
7.0	0.179	27.0	0.028	47.0	0.071	67.0	0.063	87.0	0.010
8.0	0.141	28.0	0.079	48.0	0.070	68.0	0.066	88.0	0.006
9.0	0.180	29.0	0.088	49.0	0.049	69.0	0.062	89.0	0.002
								90.0	0.000

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