

RF HAZARD STATEMENT

LPTV STATION W26FE-D
MONTGOMERY, ALABAMA
CHANNEL 26 1.3 KW (MAX-DA) 95.4 M AMSL

With respect to the potential for human exposure to radio frequency (RF) energy for the proposed facility, 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† based on the following conservative assumptions, with the following results:

Radial Distance from Base of Structure (m)	Angle from Horizontal (deg)	Antenna Downward Relative Field Factor	Distance From Transmitting Antenna (m)	Calculated Power Density (uW/cm ²)	Percent of General Population / Uncontrolled MPE (%)
0	90.0	0.050	6.5	2.57	0.71
5	52.4	0.040	8.2	1.03	0.28
10	33.0	0.050	11.9	0.76	0.21
15	23.4	0.060	16.3	0.58	0.16
20	18.0	0.070	21.0	0.48	0.13
25	14.6	0.176	25.8	2.02	0.55
30	12.2	0.388	30.7	6.94	1.91
35	10.5	0.600	35.6	12.33	3.39
40	9.2	0.660	40.5	11.52	3.17
45	8.2	0.720	45.5	10.89	3.00
50	7.4	0.780	50.4	10.39	2.86
60	6.2	0.840	60.4	8.41	2.32
70	5.3	0.899	70.3	7.10	1.95
80	4.6	0.920	80.3	5.70	1.57
90	4.1	0.920	90.2	4.51	1.24

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 3.4% of the FCC limit for general population / uncontrolled exposure.

* See Section 1.1310 of the FCC Rules and Regulations.

† The radiation center height above ground is to be 8.5 m, with a height above roof level of 7.0 m.

The building roof shall be restricted from access. If any personnel need to access the roof or climb the tower, the licensee shall reduce power or cease operation as necessary to protect persons from RF energy in excess of the FCC guidelines. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing.