

RF HAZARD STATEMENT

LPTV STATION W06DA-D
AGUADA, PUERTO RICO
CHANNEL 6 3 KW (ND) 937 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	0.020	27.0	0.05	0.03
5	79.5	0.038	27.5	0.19	0.10
10	69.7	0.196	28.8	4.64	2.32
15	60.9	0.390	30.9	15.98	7.99
20	53.5	0.510	33.6	23.08	11.54
25	47.2	0.597	36.8	26.38	13.19
30	42.0	0.663	40.4	27.04	13.52
35	37.6	0.726	44.2	27.03	13.51
40	34.0	0.764	48.3	25.11	12.56
45	31.0	0.799	52.5	23.23	11.61
50	28.4	0.832	56.8	21.48	10.74
60	24.2	0.875	65.8	17.72	8.86
70	21.1	0.907	75.0	14.64	7.32
80	18.6	0.931	84.4	12.18	6.09
90	16.7	0.944	94.0	10.11	5.06

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 13.52% 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 29 m.

The only other broadcast facilities located within 1 km of the proposed transmitter site are WQHA (Channel 25), WIPR-DTS3 (Channel 26) and WCCV-TV (Channel 35). All three of these facilities have demonstrated RF energy levels at ground level that are below the 5% threshold for general population/uncontrolled environments. For WQHA, see FCC File No. 0000125304; for WIPR-DTS3, see FCC File No. BPEDT-20120515ACD; and, for WCCV-TV, see FCC File No. 0000067514. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing.

The licensee, in coordination with the other users of the transmission facility, shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from RF energy in excess of the FCC guidelines.