

RF HAZARD STATEMENT

FM BROADCAST STATION WGPU-FM (AUXILIARY)
FORT MYERS, FLORIDA
CHANNEL 211C1 4.4 KW (H & V) 75 METERS

With respect to the potential for human exposure to radio frequency (RF) energy for the proposed WGPU-FM auxiliary 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:

Call Sign	Channel	Average ERP (kW)	Distance (m)	Relative Field Factor	FCC Limit† (mW/cm ²)	Percentage of Limit
WGPU-FM (auxiliary)	211	4.4 (H & V) 8.8 (Total)	69.0	0.38	0.200	4.7%‡

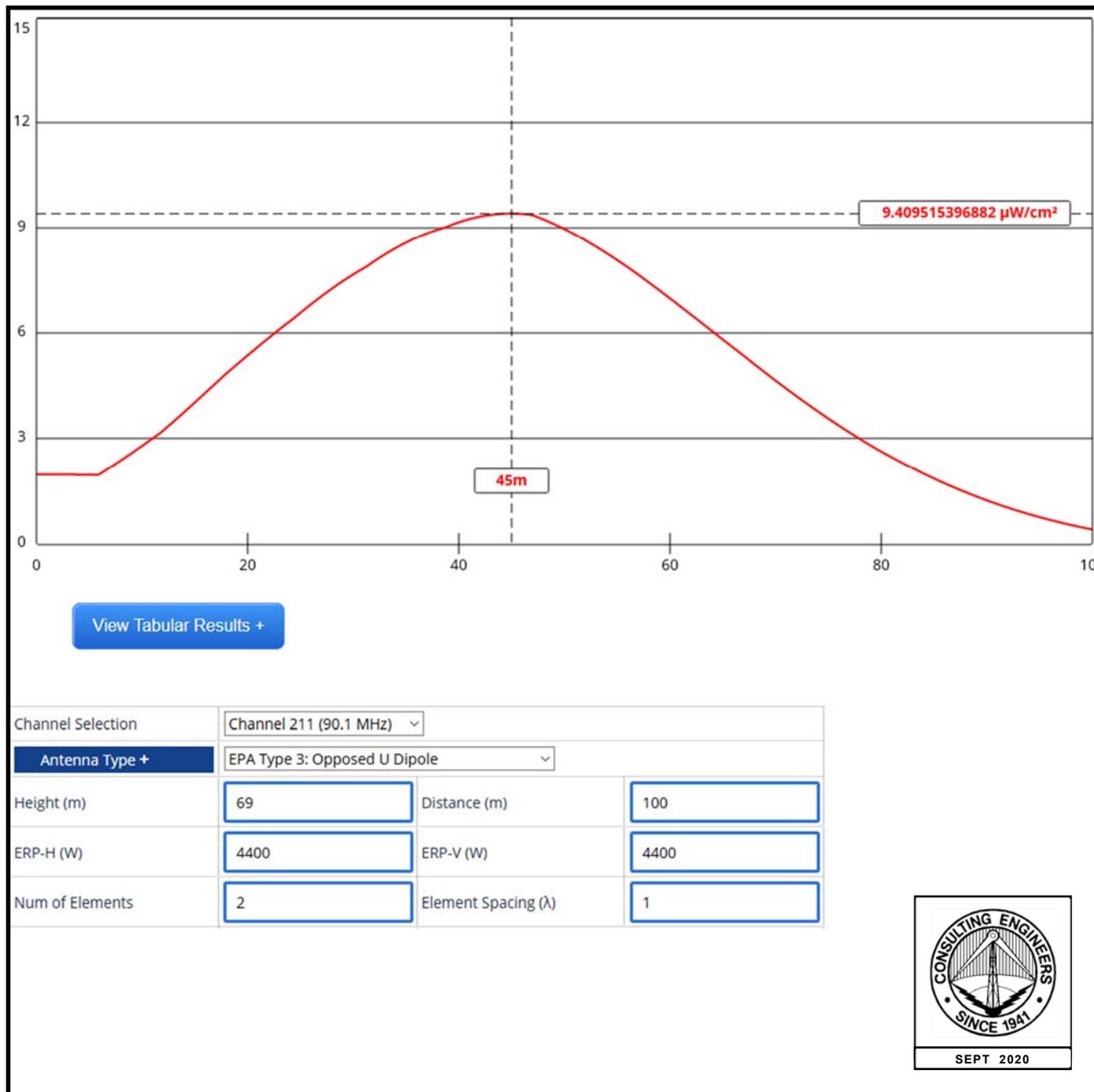
As indicated above, the total exposure to RF energy at 2-m above ground level will not exceed 4.7% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing.

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.

* See Section 1.1310 of the FCC Rules and Regulations.

† for general population/uncontrolled environments

‡ This is based on the FCC *FMM* model RF calculation tool as updated on June 8, 2018 for the proposed Electronics Research, Inc. (ERI) model LPX-2E transmitting antenna to be employed. See attached Figure 1.



FCC FMMODEL RESULTS FOR WGCU-FM AUXILIARY ANTENNA

du Treil, Lundin & Rackley, Inc. Sarasota, Florida