

RF HAZARD STATEMENT  
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT  
NEW FM BROADCAST STATION  
SANTA ISABEL PUERTO RICO  
CHANNEL 251A    6 KW (H & V)    133 M HAAT

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 for the proposed transmitting facility at 2-m above ground\* using the FCC *FM Model Version 2.10* software, with the following results:

Call Sign	Channel	Average ERP (kW)	Relative Field Factor	FCC Limit ( $\mu\text{W}/\text{cm}^2$ )	Maximum Percentage of MPE Limit
NEW	251	12.0 <sup>†</sup>	Shively, 8-bay, 1- $\lambda$ -spaced <sup>‡</sup>	200 <sup>§</sup>	18.7%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 18.7% 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 applicant, in coordination with any 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.

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\* The radiation center height above ground is 23 m.

<sup>†</sup> This is the total of the horizontally polarized and vertically polarized ERP.

<sup>‡</sup> The relative field was based on a Shively model 6813-8 8-bay full-wave spaced transmitting antenna employed in the FCC *FM Model* software.

<sup>§</sup> for general population/uncontrolled environments

\*\* There are no other broadcast facilities located on the existing tower structure or in the vicinity of the proposed site.