

## RF HAZARD STATEMENT

TELEVISION TRANSLATOR STATION K19LZ-D  
LAS CRUCES & ORGAN, NEW MEXICO  
CHANNEL 19 0.93 KW (MAX-DA) 1354 M AMSL

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† 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 <sup>2</sup> )	Percentage of Limit
K19LZ-D	19	0.93	9	0.25§	0.335	11.8%
KRUC	205A	1.0 (total)	55**	1.0	0.200	6.0
KMBN	209A	1.0 (total)	55††	1.0	0.200	6.0
K22NM-D	22	0.35	95‡‡	1.0	0.347	0.4

As indicated above, the exposure to RF energy at 2-m above ground level from the K19LZ-D facility will not exceed 11.8% of the FCC limit for general population / uncontrolled exposure.

The other nearby broadcast sources of RF energy at the site were calculated on a worst-case basis as indicated above. The total RF energy at the K19LZ-D site will not exceed 24.2% of the FCC limit for general population /

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\* See Section 1.1310 of the FCC Rules and Regulations.

† The radiation center height above ground is 9 m.

‡ for general population/uncontrolled environments

§ This is a worst-case estimate of the downward relative field at steep elevation angles.

\*\* Horizontal distance from the KRUC transmitting antenna, located to the west of the K19LZ-D site.

†† Horizontal distance from the KMBN transmitting antenna, located to the west of the K19LZ-D site.

‡‡ Horizontal distance from the K22NM-D transmitting antenna, located to the north of the K19LZ-D site.

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.