

Gray Frierson Haertig & Assoc.

KUSR (208) Logan, UT
FM Interference Study

Interference considered within reference station's protected FCC contour
and within 100.0 km from each possible interferer

Signal Resolution: 0.5 km

Study Date: 10/4/2002

FM Database Date: 07-13-02

D/U Ratios Used:

Co: 20.0 dB
First Adj: 6.0 dB
Second Adj: -40.0 dB
Third Adj: -40.0 dB

Population Database: 2000 US Census (PL)

Percentages calculated using a baseline population of 84,089.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
Prop (208)	0	60	0.071	36.95

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
Prop (208)	60	0.071	60	0.071

Stations which were not considered:

KUSUFM (218)

Call Letters	City	State	Dist	Bear
Prop (208)	Unknown	??	40.5	245.2
KUSUFM (218)	Logan	UT	27.1	305.3

Totals for KUSR (208)

Calculation Area Population:	84,089	(772.8 sq. km)
Not Affected by Terrain Loss:	84,089	(771.4 sq. km)
Interfered Population:	60	(36.9 sq. km)
Interference Free:	84,029	(734.5 sq. km)

Percent Interference: 0.07

Terrain Blocked Population: 0 (1.4 sq. km)

	Housing Units	Population	% of County
Utah			
Box Elder County			
County Pop	0	42,745	
KUSR (208)	0	254	
Prop (208)	0	60	23.62
Ix Free	0	194	76.38
Cache County			
County Pop	0	91,391	
KUSR (208)	0	83,835	
Prop (208)	0	0	0.00
Ix Free	0	83,835	100.00