

Gray Frierson Haertig & Assoc.

KUSR (208) Logan, UT

FM Interference Study

Interference considered within reference station's protected FCC contour  
and within 50.0 km from each possible interferer

Signal Resolution: 0.25 km

Study Date: 11/11/2002

FM Database Date: 10-10-02

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 84,103.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
Prop (208)	0	64	0.076	37.01

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
Prop (208)	64	0.076	64	0.076

Stations which were not considered:

KUSUFM (218)

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

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Totals for KUSR (208)

Calculation Area Population:	84,103	(	773.2 sq. km )
Not Affected by Terrain Loss:	84,103	(	771.7 sq. km )
Interfered Population:	64	(	37.0 sq. km )
Interference Free:	84,039	(	734.7 sq. km )

Percent Interference: 0.08

Terrain Blocked Population: 0 ( 1.5 sq. km)

	Housing Units	Population	% of County
Utah			
Box Elder County			
County Pop	0	42,745	
KUSR (208)	0	254	
Prop (208)	0	64	25.20
Ix Free	0	190	74.80
Cache County			
County Pop	0	91,391	
KUSR (208)	0	83,849	
Prop (208)	0	0	0.00
Ix Free	0	83,849	100.00