

NEW, Prescott, AZ FAC# 766281
Method of Calculating Technical Parameters
11/6/2021

The new area served (2461.2 km^2) and the population served (76,988) listed in technical parameters were calculated using ComStudy 2.2 with U.S. Census 2010 population data. The parameters of the study are listed below in Figure 1.

The area served and the population served within the $60 \text{ dB}\mu \text{ F}(50,50)$ contour were calculated as listed in Figure 2.

FM Site Information

General		ERP	Contours	Tx Antenna	Rx Antenna	Comments
Call Sign	Mt. Francis					
Licensee	Advance Ministries					
Latitude	34-29-24.2 N	Radius:				
Longitude	112-32-00.2 W					
ERP	250.00	W				
Frequency	91.9	MHz Ch	220			
City	Prescott					
State	AZ	County				
Country						
Format	Unknown or New CP					

Param	Value [m]	Terrain	dBase
AGL	12.00		N/A
G-AMSL	2163.00	2159.00 m	N/A
RC-AMSL	2175.00		N/A
HAAT	483.30	483.30	N/A

Class: A
Modulation Type: 4 FM all +/- 2.5 KHz
Time delay shift: 0 μs
ARN:
Status: APP
MLS Color: Is Protected:

OK Cancel

Figure 1. Technical Parameters of Study

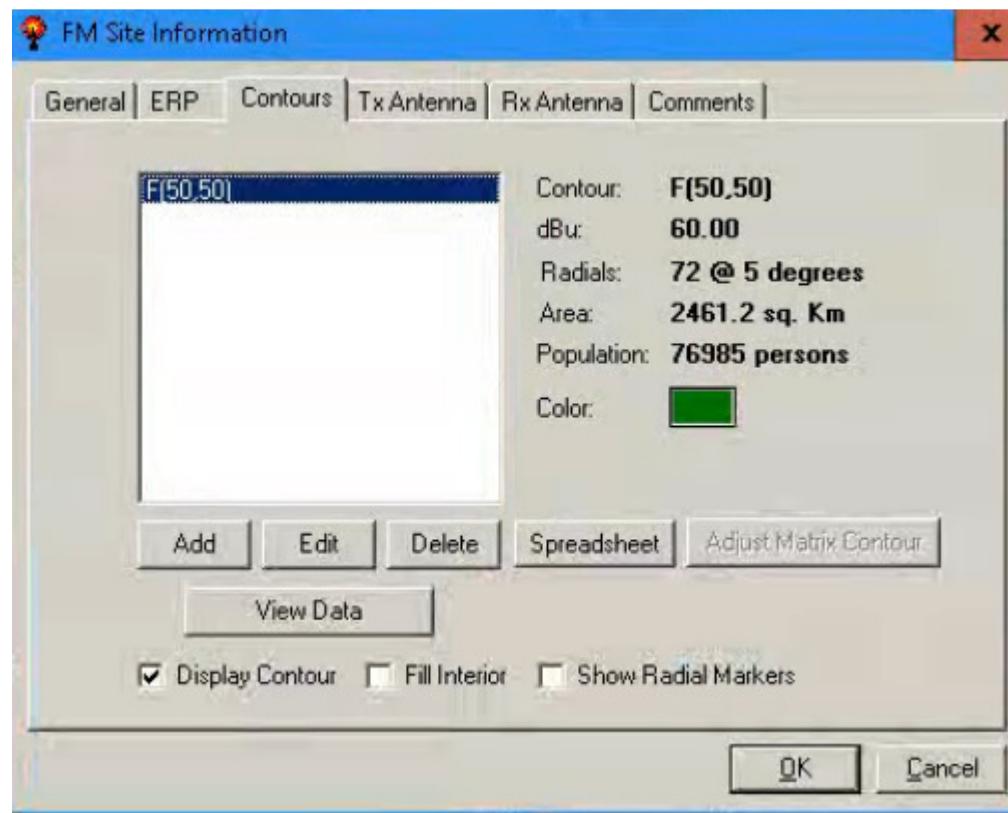


Figure 2. Area and Population Calculations within 60 dB μ F(50,50) contour.