

**TECHNICAL EXHIBIT
APPLICATION FOR NON-COMMERCIAL BROADCAST STATION
FORM 340
NEW FM CHANNEL 215 A
3 kW H&V
71.6m HAAT
Gallup, NM**

PURPOSE OF APPLICATION

Good News Broadcasting Network, Inc. ("Good News") is filing this application for a new station in this non commercial filing window.

ANTENNA COORDINATES PROPOSED FACILITY

Good News proposes antenna coordinates of N 35°-35'-10" W 108°-45'-53" for this new facility.

ENVIRONMENTAL

The proposed facility will be located on a new 150 foot (45.7 m) tower. The center of radiation will be at 38.1 meters above ground level and 2115 meters above mean sea level. The proposed antenna is a 4 element full wave spaced EPA type 2 "double-vee". The proposed site is in a rural and rugged terrain area. The OET FM model program was used to evaluate non-ionizing electromagnetic radiation at two meters above ground level at the 3 kilowatts H&V at 38.1 meters above ground level specified in this application. The maximum level was found to be 20.578 microwatts/cm² or 10.2 % of the maximum level for general population, uncontrolled exposure level. This level occurs at 13.8 meters from the base of the support structure.

INTERFERENCE CITY - GRADE COVERAGE

The proposed facility antenna coordinates fully protect all existing licenses and applications in compliance with 47 CFR 73.509. The facility is in full compliance with 73.515 as it covers the entire community with the FCC 60 dBu 50-50 city grade contour. See the following pages for depictions of the facts stated herein.

Gallup

REFERENCE
35 35 10.00 N.
108 45 53.00 W.

CH# 215A - 90.9 MHz, Pwr= 3 kW DA, HAAT= 71.6 M, COR= 2115 M
Average Protected F(50-50)= 20.6 km
Standard Directional

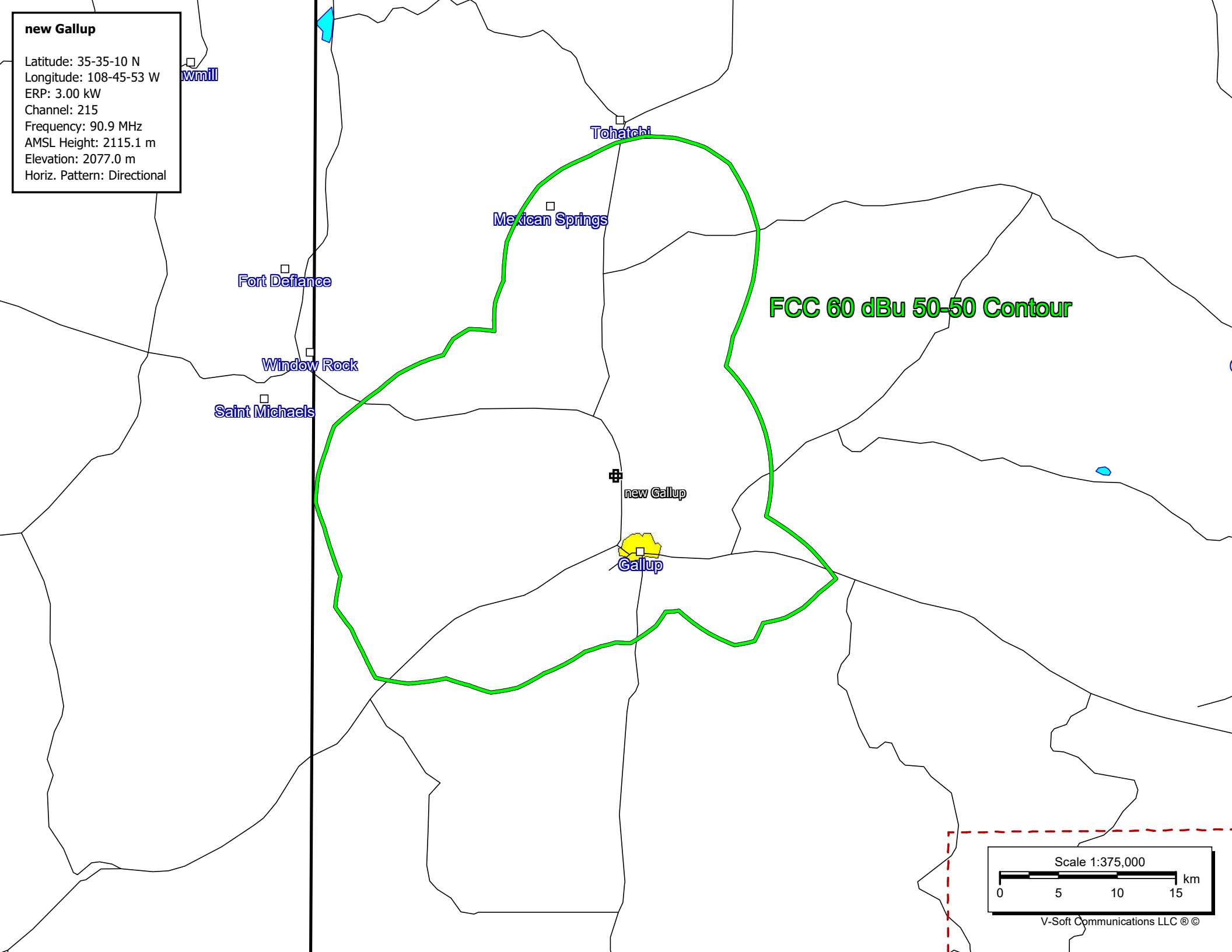
DISPLAY DATES
DATA 11-05-21
SEARCH 11-08-21

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
215A Zuni	KSHI	LIC _CN NM		182.4 2.4	55.38 BLED19860407KF	35 05 18.10 108 47 24.20	0.100 -76	18.6 1996	5.6 Zuni Communications	19.1	0.1 Author
216C2 Grants	KEZF	APP _CN NM		109.0 289.6	112.13 0000143629	35 15 10.00 107 35 47.70	1.000 824	76.6 3355	51.5 Cedar Cove Broadcasting, I	15.1	31.3
215C3 Farmington	KSJE	LIC _CN NM		21.4 201.7	132.87 BLED19901108KB	36 41 52.00 108 13 16.30	15.000 119	88.9 1824	20.1 San Juan College	15.2	24.5
216C2 Grants	KFCY/KEZF	CP DCN NM		109.0 289.7	112.16 0000106757	35 15 08.10 107 35 47.20	1.000 820	76.3 3351	51.4 Cedar Cove Broadcasting, I	15.4	31.5
268C2 Tohatchi	KTNN-FM«	LIC _CN NM		358.6 178.6	35.98 BLH20150522AGQ	35 54 37.10 108 46 28.30	2.250 595	192.0 2790	87.8 The Navajo Nation	14.5R	21.5M
217A Houck	KHCK	LIC _HN AZ		232.6 52.3	55.21 BLED20110822AEV	35 17 01.10 109 14 53.30	0.200 1	1.0 1930	6.7 Advance Ministries, Inc.	27.3	45.0

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.
« = Station meets FCC minimum distance spacing for its class.

new Gallup

Latitude: 35-35-10 N
Longitude: 108-45-53 W
ERP: 3.00 kW
Channel: 215
Frequency: 90.9 MHz
AMSL Height: 2115.1 m
Elevation: 2077.0 m
Horiz. Pattern: Directional



FCC 60 dBu 50-50 Contour

