



Figure 1

BNPFT-20030317IGM, WINDOW ROCK, ETC, AZ : ORIGINAL CONSTRUCTION PERMIT
60 dBu coverage area and contour protection

Radio Data Services

Table 1

FCC Facility ID 143431 Translator Original Construction Permit
Channel Study

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Distance (km)	Bearing TO (deg)	Req. Dist. (km)	Clearance (km)
246	D	NEW	FX	APP	GALLUP	NM	US	NATIVE AMERICAN CHRISTIAN VOICE	47.2	113.1	13.1	34.0
248	D	NEW	FX	APP	GALLUP	NM	US	FAMILY LIFE BROADCASTING SYSTE	44.5	108.9	27.1	17.4
248	D	NEW	FX	APP	TOHATCHI	NM	US	PROCLAIMING CHRIST'S LOVE MINIS	47.2	55.6	27.4	19.8
249	D	NEW	FX	APP	WINDOW ROCK, ETC	AZ	US	SPIRIT MEDIA	0.0	0.0	24.6	-24.6 (Same as applicant)
249	D	NEW	FX	APP	GALLUP SOUTH	NM	US	MILLENNIUM MEDIA, INC.	44.7	108.8	37.0	7.7
251	D	NEW	FX	APP	WINDOW ROCK	AZ	US	NATIVE AMERICAN CHRISTIAN VOICE	15.9	96.3	10.7	5.2
252	D	NEW	FX	APP	WINDOW ROCK,	AZ	US	SPIRIT MEDIA	15.0	88.7	10.0	5.0

Radiofrequency Electromagnetic Exposure Analysis

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL				
						at 10 meters distance	% controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$)	Max. PD	% uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$)	Distance to maximum PD (m)
Proposed	60	(EPA dipole - worst case)	1	0.010	0.010	0.12	0.01%	0.12	0.1%	16
						0.12	0.01%	0.12	0.1%	16

(proposed)

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

Calculations made using FCC FM Model v2.10 Beta
Worst case assumed, EPA dipole antenna