



**Figure 1**

Table 1

FCC Facility ID 141431 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)
251	D	K251BC	FX	LIC	KAYENTA	AZ	US	DENNIS SILVER	112.5	104.2	10.3	102.2
252	D	NEW	FX	APP	PAGE	AZ	US	SPIRIT MEDIA	0.0	0.0	45.3	-45.3 (Same as applicant)

## 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)
<b>Proposed</b>	<b>61</b>	<b>(EPA dipole - worst case)</b>	<b>1</b>	<b>0.062</b>	<b>0.062</b>	<b>0.7</b>	<b>0.1%</b>	<b>0.72</b>	<b>0.4%</b>	<b>16</b>
						0.7	0.1%	0.72	0.4%	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