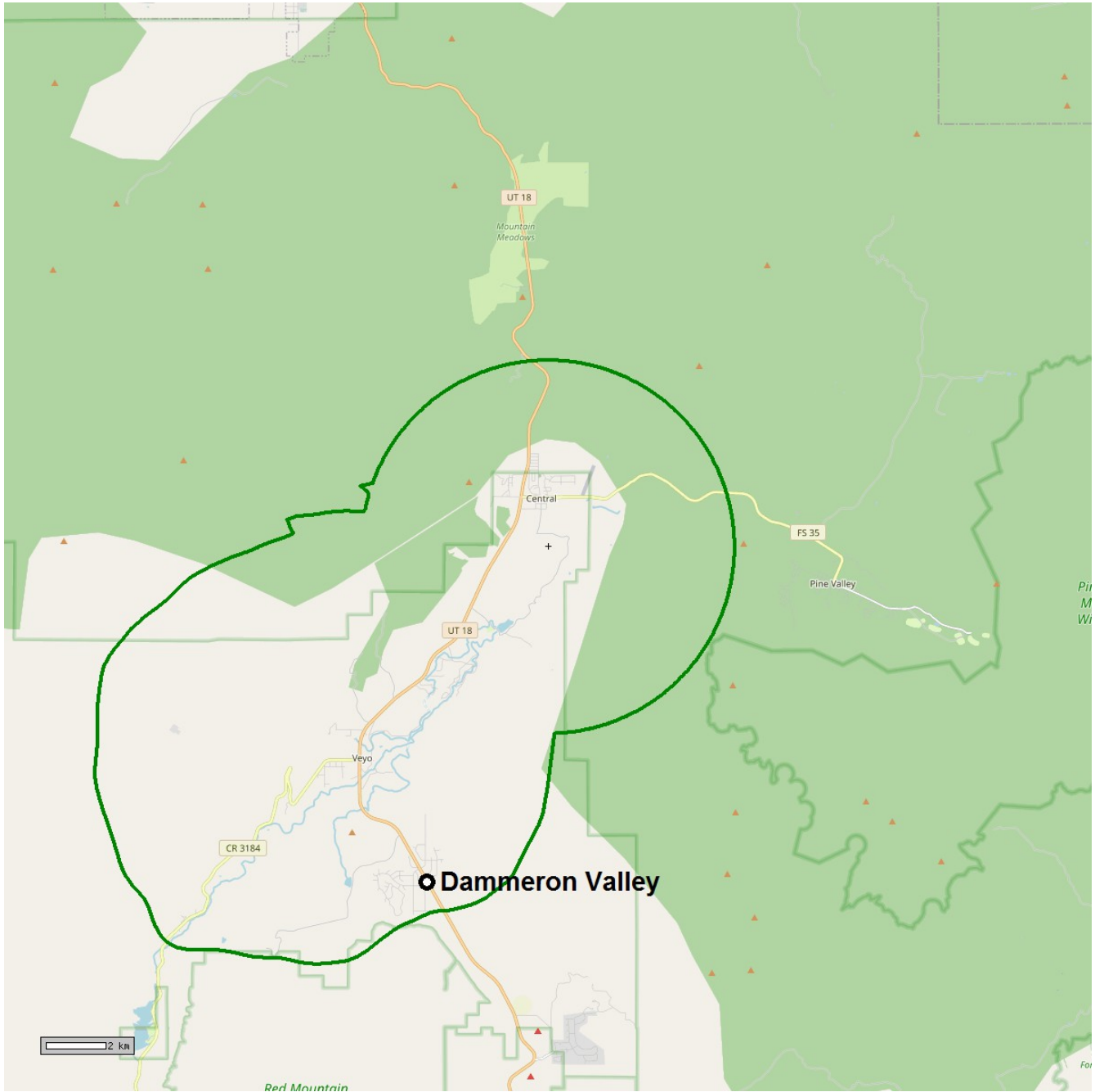


### **SECTION 73.315 SHOWING – PROPOSED FACILITY**

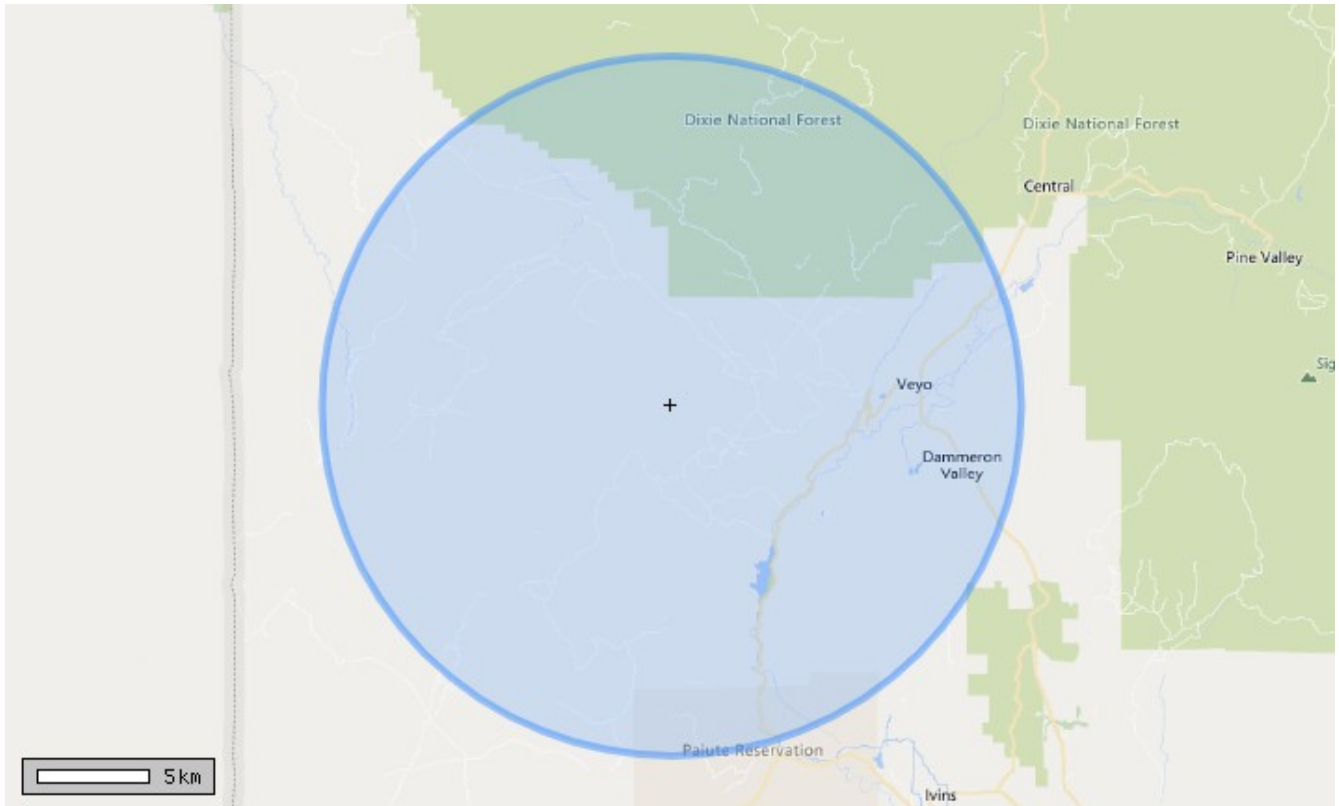
The facility proposed herein, which is spaced under Section 73.215 of the Commission's Rules, would serve all of the Dammeron Valley, Utah community within a F(50,50) 70 dBu contour.



**FIGURE 1:** The map above depicts the F(50,50) 70 dBu contour of the facility of the Permit contemplated in the application herein. As shown above, the facility would provide 70 dBu city grade service to the entire community of Dammeron Valley, Utah.

### **SECTION 73.315 SHOWING – PROPOSED ALLOCATION COORDINATES**

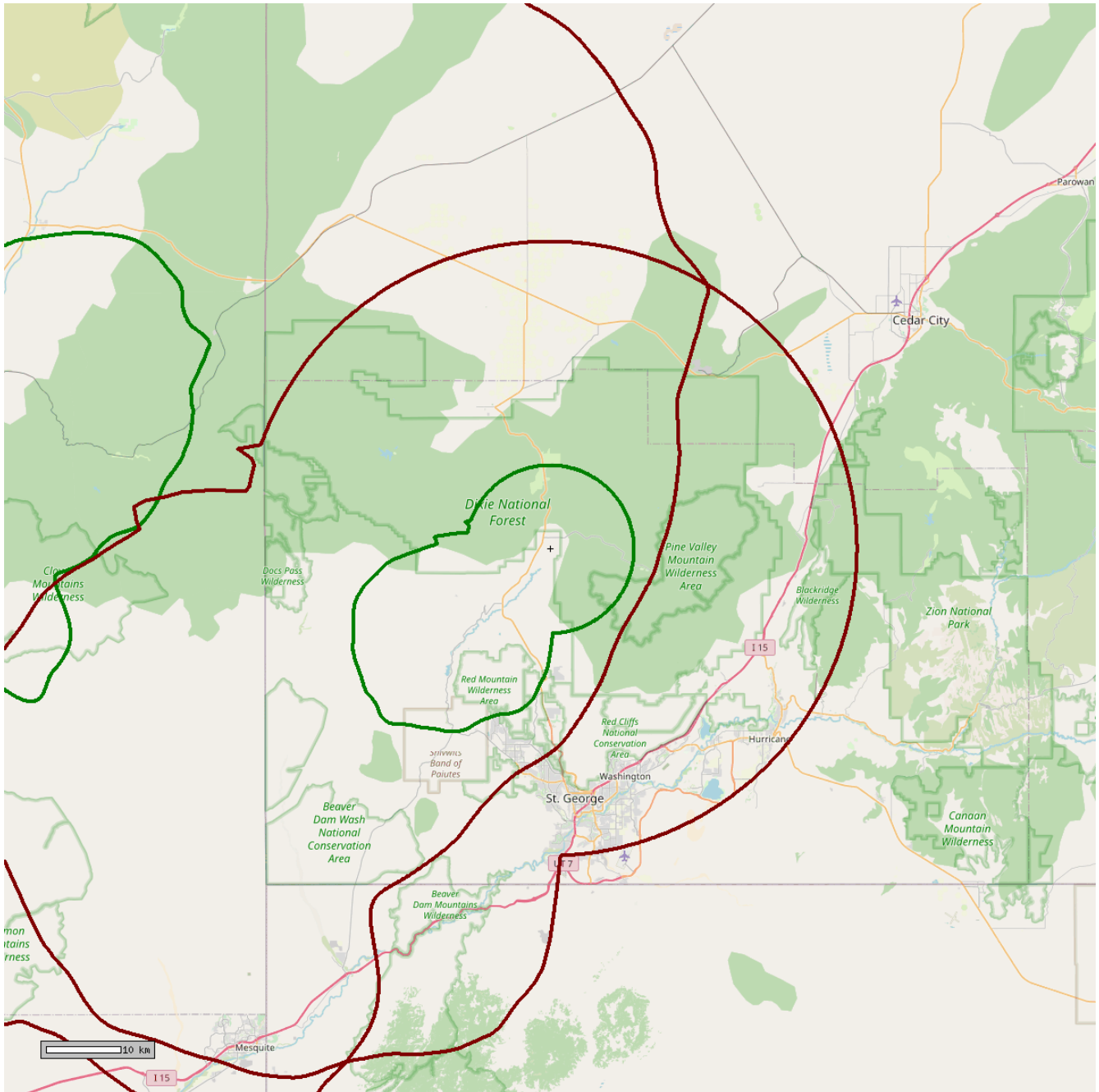
The allotment location proposed herein, which is fully spaced under Section 73.207 of the Commission's Rules, would serve all of the Dammeron Valley, Utah community within a F(50,50) 70 dBu contour.



**FIGURE 2:** The map above depicts a circle with a radius of 16.16 kilometers from the proposed allocation coordinates, which corresponds to a F(50,50) 70 dBu 3.16 mV/m contour from a reference antenna height above average terrain of 100 meters and an effective radiated power level of 6,000 Watts. As shown, the proposed allocation coordinates would provide 70 dBu city grade service to all of the community of Dammeron Valley, Utah.

### MUTUALLY EXCLUSIVE SHOWING

As shown below, the facility described herein is mutually-exclusive to Applicant's initially-proposed facilities in its original CDBS Application Number BNPH-20181129AAC. Therefore, it is concluded that Applicant's filing qualifies as a “minor change” FM application.



**FIGURE 3:** The map above depicts the F(50,50) 60 dBu (green) and F(50,10) 40 dBu (dark red) contours of the original Caliente allocation (top left) and proposed Dammeron Valley facility (center). As shown, there is significant contour overlap between the two mutually-exclusive proposed facilities.

### **73.207 SHOWING – PROPOSED ALLOCATION**

Applicant has proposed an allocation site that is fully compliant with Section 73.207 of the Commission's Rules, as shown below in Figure 5:

**FIGURE 4: PROPOSED ALLOTMENT LOCATION**

FCC Facility ID: 203590  
Channel: 264A / 100.7 FM  
Community: Dammeron Valley, Utah  
ASRN: N/A  
NAD 27 COORDINATES: 37-19-42 N, 113-49-23 W  
NAD 83 COORDINATES: N/A

<b>FacID</b>	<b>App</b>	<b>Call</b>	<b>Type</b>	<b>Chan</b>	<b>Community</b>	<b>St</b>	<b>Distance</b>	<b>Minimum</b>	<b>Margin</b>
203590	18513-2019-09		NEW VAC	264A	CALIENTE	NV	67.84	115.00	-47.16 *
739247	18546-2019-09		NEW VAC	264A	CALIENTE	NV	79.95	115.00	-35.05 *
164258	76f95d3de2ea4	KMXD LIC		263C	MONROE	UT	175.95	165.00	10.95
12560	0f6006faea1b4	KXQQ-FM LIC		263C	HENDERSON	NV	180.69	165.00	15.69
191518	17313-2019-09		NEW VAC	266C1	FREDONIA	AZ	126.82	75.00	51.82
87384	25076ff36fee7d	TKPKK APP		266C	AMARGOSA_VALLEY	NV	203.26	95.00	108.26
191061	25076f9170b21	TKWLP LIC		265C3	PEACH_SPRINGS	AZ	200.62	89.00	111.62
38314	72224fd61b364	KRRK LIC		264C3	DESERT_HILLS	AZ	309.91	142.00	167.91
165946	131609819c72	KHWG-FM LIC		261C3	CRYSTAL	NV	221.34	42.00	179.34
87384	39d974d28bc1	KPKK LIC		266C2	AMARGOSA_VALLEY	NV	241.69	55.00	186.69
48680	422cd48dcd55	KGMN LIC		261C2	KINGMAN	AZ	246.18	55.00	191.18
183358	c683802ddf734	KXMK LIC		267C2	OATMAN	AZ	259.37	55.00	204.37
189485	22bdcfa3f2214l	KACG LIC		262A	GOLDFIELD	NV	304.57	31.00	273.57
21693	91e69dc794c9	KVNA-FM LIC		261C2	FLAGSTAFF	AZ	334.63	55.00	279.63
34557	7906-2019-09-	DKHWZ VAC		261B1	LUDLOW	CA	346.49	48.00	298.49

\* - Not applicable, as this is the same facility contemplated in this application.

### **73.215 SHOWING – PROPOSED FACILITY**

Applicant has proposed facilities that are fully compliant with Section 73.215 of the Commission's Rules, as shown below in Figure 6:

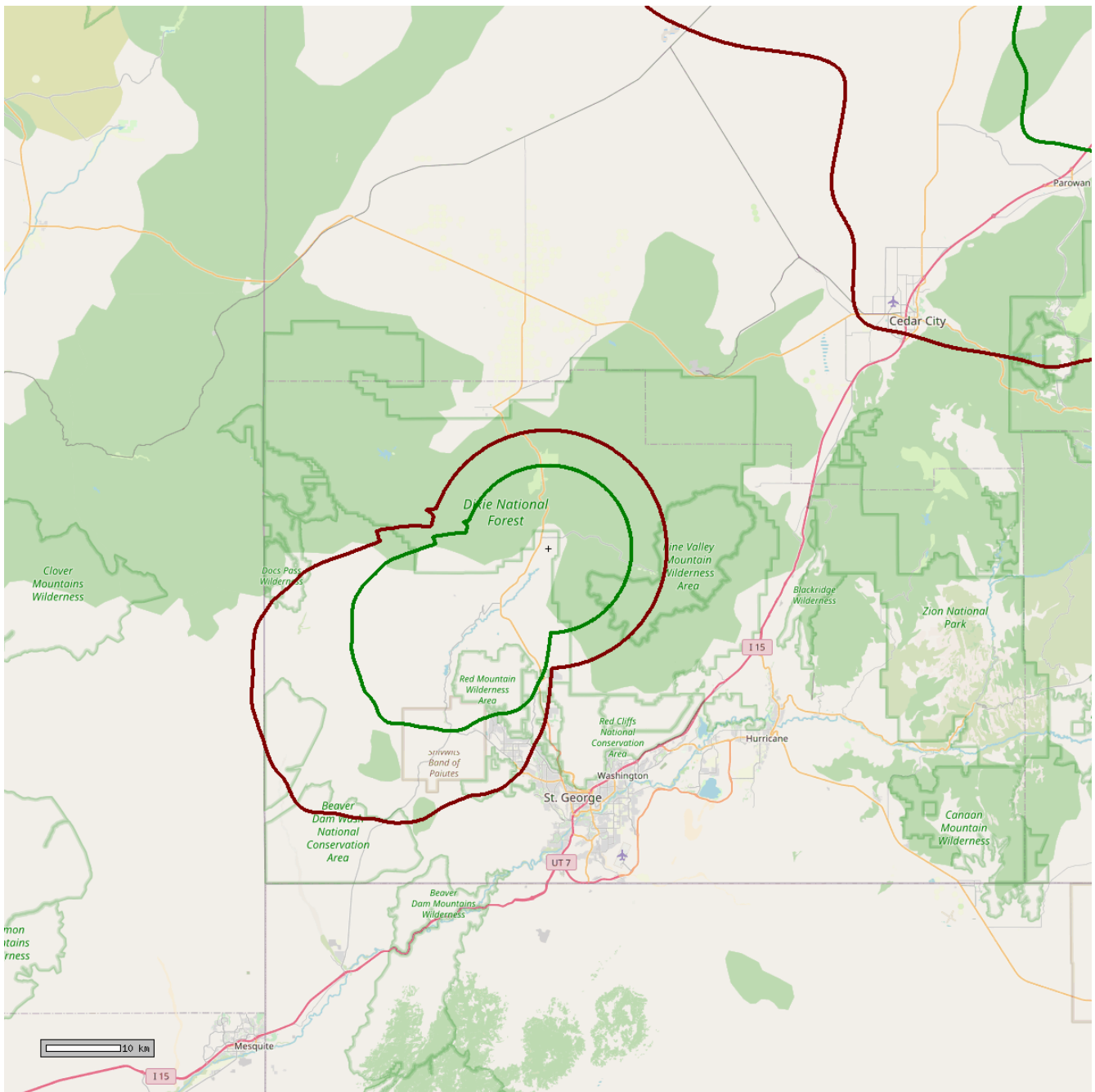
**FIGURE 5: PROPOSED STATION**

FCC Facility ID: 203590  
Channel: 264A / 100.7 FM  
Community: Dammeron Valley, Utah  
ASRN: N/A (American Tower Asset Number 414752, 180' AGL Tower)  
NAD 27 COORDINATES: 37-24-07 N, 113-37-17 W  
NAD 83 COORDINATES: 37-24-07 N, 113-37-20 W

FacID	App	Call	Type	Chan	Community	St	Distance	Minimum	Margin
203590	18513-2019-09		NEW VAC	264A	CALIENTE	NV	81.51	115.00	-33.49 *
739247	18546-2019-09		NEW VAC	264A	CALIENTE	NV	94.35	115.00	-20.65 *
164258	76f95d3de2ea4	KMXD LIC	263C	MONROE	UT	157.40	165.00	-7.60 **	
12560	0f6006faea1b4	KXQQ-FM LIC	263C	HENDERSON	NV	198.03	165.00	33.03	
191518	17313-2019-09		NEW VAC	266C1	FREDONIA	AZ	112.80	75.00	37.80
191061	25076f9170b21	TKWLP LIC	265C3	PEACH_SPRINGS	AZ	206.09	89.00	117.09	
87384	25076ff36fee7d	TKPKK APP	266C	AMARGOSA_VALLEY	NV	222.81	95.00	127.81	
38314	72224fd61b364	KRRK LIC	264C3	DESERT_HILLS	AZ	320.44	142.00	178.44	
165946	131609819c72	KHWG-FM LIC	261C3	CRYSTAL	NV	240.92	42.00	198.92	
48680	422cd48dcd55	KGMN LIC	261C2	KINGMAN	AZ	255.36	55.00	200.36	
87384	39d974d28bc1	KPKK LIC	266C2	AMARGOSA_VALLEY	NV	261.13	55.00	206.13	
183358	c683802ddf734	KXMK LIC	267C2	OATMAN	AZ	271.27	55.00	216.27	
21693	91e69dc794c9	KVNA-FM LIC	261C2	FLAGSTAFF	AZ	330.27	55.00	275.27	
189485	22bdcfa3f2214	KACG LIC	262A	GOLDFIELD	NV	321.04	31.00	290.04	
15528	04d3b18aa740	KWSA LIC	261A	PRICE	UT	341.38	31.00	310.38	

\* - Not applicable, as this is the same facility contemplated in this application.

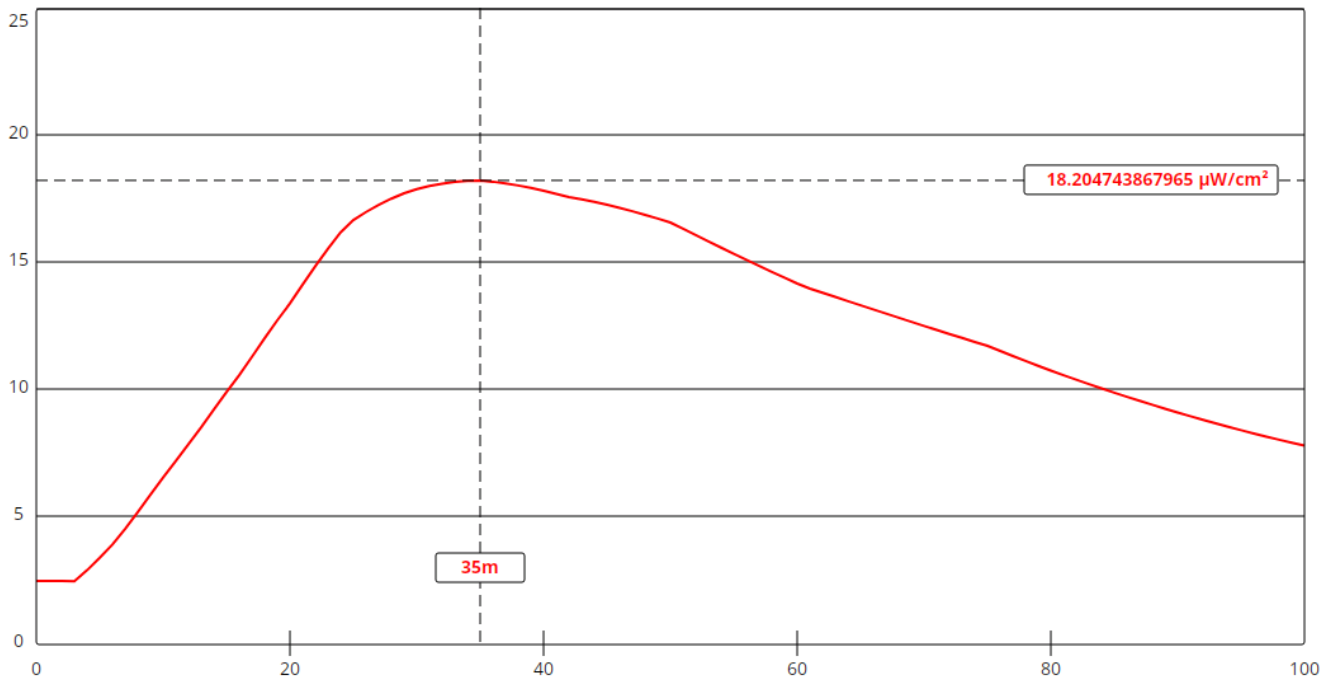
\*\* - Section 73.215 Processing is requested towards this station.



**FIGURE 6:** The map above depicts the F(50,50) 60 dBu (green) and F(50,10) 54 dBu (dark red) contours of the proposed Dammeron Valley facility on FM Channel 264A (center), as well as the licensed facility of KMXD 100.5 FM at Monroe, Utah (FCC Facility ID 164258, BLH-20080122ADT, top right). As shown above, there is no prohibited overlap predicted between the two facilities.

## RF EXPOSURE SHOWING

In determining RF Exposure at the proposed antenna site, Applicant utilized the Commission's FM Model software, as shown below in Figure 4. Applicant specified a single element circularly polarized Opposed U Dipole FM antenna, centered on 100.7 MHz.



**FIGURE 7:** The above chart represents RF exposure in microwatts per square centimeter (vertical axis) against the distance from the radiating elements (horizontal axis). Radiation under the acceptable level of 20.0 microwatts per square centimeter at all points from the broadcast antenna. Signage alerting persons to the potential RF hazards at the site will be placed around the base of the tower's fence enclosure. Additionally, Applicant will limit power or cease transmitting in the event that personnel must be located closer to the transmitter site.