

Translator K268AV New Site

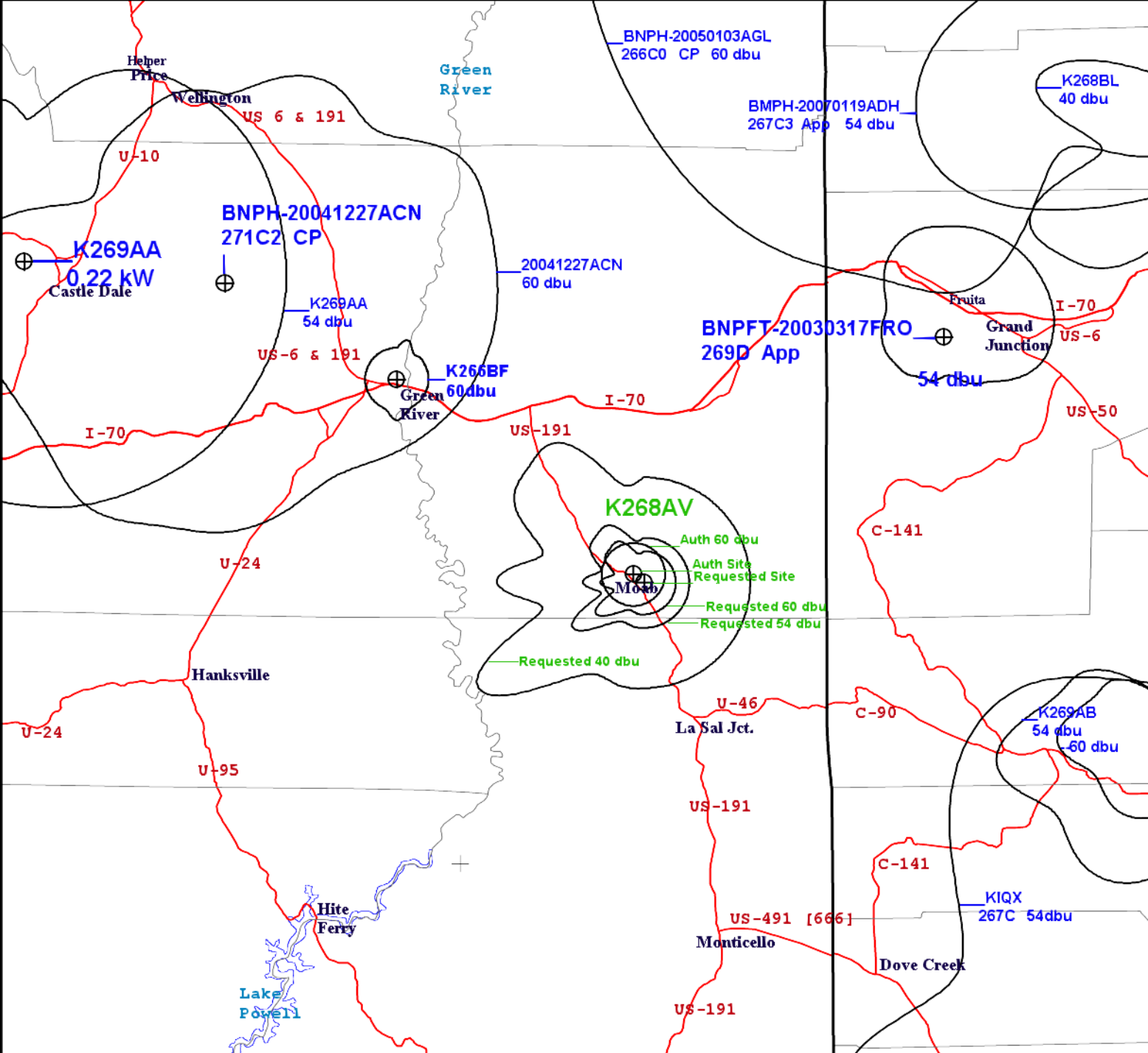
1. Reason for New Site Request. This request to modify the Construction Permit for Translator Station K268AV is being made because the Landlord at the presently authorized site notified on 4/4/2007 that his lease to use the site may be terminated soon and that he can no longer sublease. The Translator Permittee's Sublease was terminated and all equipment in the process of installation had to be removed on that date.

2. New Site. Arrangements have been made with Royce's Electronics, Moab, Utah, to use the site requested in the instant application. There is an existing 100 foot pole at the site upon which the antenna is to be mounted. Other radio services already use the structure.

3. Protection from local Interference. The proposed structure is used by FM Translator station K205CH and by other services. The proposed antenna and the existing K205CH antenna will be in each other's "cone of silence" to minimize interaction, and further a bandpass filter will be installed between the K268AV transmitter and antenna, and a suitable filter will be supplied to K205CH for installation between their transmitter and antenna if the filters are found to be required to prevent cross modulation products in excess of what is permitted by §74.1236 or required for proper operation of other services at the site.

4. Permissible Power and Allocation Considerations. The Maximum Height Above Average Terrain in any direction does not exceed 107 meters, permitting a maximum ERP of 250 watts. At 250 Watts, the proposed service contour does not receive interference from, and the proposed interfering contours from the site do not cause interference to any other authorized or proposed FM Broadcast station or FM Translator. The interfering or service contours of the proposal and other stations, whichever are greater, are shown on the following page.

5. Construction Progress. All of the equipment needed to build the station, including the filters, if needed, is on hand. Expeditious consideration of the instant application is requested so that the facility can be completed before the underlying permit expires later this month.



Proposed Translator relocation and
Co- and Adjacent Channel signals

Latitude: 38 35 54
Longitude: 109 34 08

Kilometers
12 0 12

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Latitude: 38-34-13
 Longitude: 109-31-41 [NAD '83]
 ERP: 250 Watts
 Height: 1418 meters
 Confidence: F(50,50)[60dbu], F(50,10)[54 and 40 dbu]
 Strength: 60 dbu, 54dbu, 40 dbu
 AntennaName: c:\cds\data\omni.ant at 0°True
 Description: Moab Xltr 268av
 Curve: Broadcast
 Frequency/Channel: 268
 Site Elevation: 1401.2

Moab Translator K268AV

Radial			Distances to Contours:		
Azimuth	Elev.	HAAT	60 dbu	54 dbu	40 dbu
0	1361.3	-40.9	7.1	10.1	23.8
15	1412.5	10.3	7.1	10.1	23.8
30	1403.7	1.5	7.1	10.1	23.8
45	1259.8	-142.4	7.1	10.1	23.8
60	1210.2	-192.0	7.1	10.1	23.8
75	1142.9	-259.2	7.1	10.1	23.8
90	1040.1	-362.1	7.1	10.1	23.8
105	1074.3	-327.9	7.1	10.1	23.8
120	1127.9	-274.3	7.1	10.1	23.8
135	1295.4	-106.8	7.1	10.1	23.8
150	1351.1	-51.1	7.1	10.1	23.8
165	1187.2	-215.0	7.1	10.1	23.8
180	1236.8	-165.4	7.1	10.1	23.8
195	1319.7	-82.5	7.1	10.1	23.8
210	1353.2	-49.0	7.1	10.1	23.8
225	1466.0	63.8	10.5	14.6	35.6
237	1501.5	99.3	12.9		
238	1503.2	101.0	13.0		
239	1504.1	101.9	13.0		
240	1503.1	100.9	13.0	19.4	44.6
251	1491.4	89.2	12.2		
255	1402.5	0.3	7.1	10.1	23.8
270	1464.2	62.0	10.4	14.4	35.0
285	1422.2	20.0	7.1	10.1	23.8
300	1464.8	62.6	10.4	14.5	35.2
301	1487.1	84.9	12.0		
302	1507.3	105.1	13.2		
303	1503.4	101.2	13.0		
304	1495.6	93.4	94.4		
305	1486.1	83.9	11.9		
315	1476.8	74.6	11.3	16.2	38.5
317	1493.7	91.5	12.4		
318	1505.6	103.4	13.1		
319	1503.2	101.0	13.0		
320	1498.3	96.1	12.7		
330	1475.3	73.1	11.2	15.7	38.1
345	1425.0	22.8	7.1	10.1	23.8