COMPREHENSIVE TECHNICAL EXHIBIT

K293CU, St. George, UT

DISCUSSION

Applicant seeks a Minor Modification to relocate FM Translator K293CU to a new tower, with a change in the CORAMSL, operating as a "Fill-in" for primary station KCLS-HD3, Leeds, UT, Facility ID # 55461.

LACK OF CONTOUR OVERLAP

The following study (**Figure 1**) reveals the lack of any contour overlap with 1st, 2nd, 3rd adjacent and I.F. related facilities, excepting Full Service KXFF, Colorado City, AZ, Facility ID # 69623 for which a 2nd adjacent waiver is being sought.

Minor Modificaton of K293CU to new tower Canyon Media Group, LLC					
36 50 59.0 N. 113 29 34.0 W.		93D - 106.5 MHz, Pwr± 0. Average Protect Omni	099 kw, HAÁT ed F(50-50)= -directional	= 536.7 24.2 km	M, COR= 1907 M DISPLAY DATES DATA 06-16-20 SEARCH 06-17-20
CH CALL CITY	STATE	< FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	<pre>INT(km) PRO(km) *IN* *OUT* COR(M) LICENSEE (Overlap in km)</pre>
293D K293CU!	LIC UT	167.0 0.35 347.0 BLFT20181106AAA	36 50 47.90 113 29 30.80	0.099	Reference 1914 Canyon Media Group, LLC
293CO KSNE-FM Las Vegas	LIC NV	235.8 164.56 54.9 BMLH20110126ABC	36 00 29.90 115 00 23.00	100.000 352	186.6 79.5 -38.8* 27.4 1048 Citicasters Licenses, Inc.
291C1 KXFF Colorado City	LIC AZ	44.9 38.54 225.1 BLH20130711AAY	37 05 40.90 113 11 08.80	35.000 347	7.0 58.9 3.0 <mark>-21.1*</mark> 1728 Ccr-St. George IV, LLC
295D K295CY St. George	LIC DH UT				0.6 24.7 18.4 16.5 2308 Canyon Media Group, LLC
293C1 DKLFZ Leupp	VAC AZ	122.2 252.05 303.6	35 37 00.00 111 08 02.51	100.000 299	175.4 74.6 51.6 99.5 1748 Alex Media, Inc.
295C1 KVGQ Overton	LIC D NV	278.1 95.46 97.5 BLH20110315AAG	36 57 59.00 114 33 24.10	100.000 289	1.6 13.5 70.1 77.1 1384 Kemp Communications, Inc.
296D K296AR Long Valley Junc	LIC D tio UT	49.7 113.58 230.3 BLFT192	37 30 24.90 112 30 39.70		0.0 1.6 86.0 104.3 2409 Western Kane County Specia
290D K290BW Parowan	LIC UT	22.6 119.61 202.9 BLFT20150325ABK	37 50 31.90 112 58 12.80	0.016 201	0.3 10.9 89.6 106.9 2063 Iron County
295D KVGQ-FM1 Apex		247.0 144.22 66.1 BLFTB20110628ABI	36 20 00.80 114 58 30.00	20.000	3.9 39.6 120.7 93.4 1061 Kemp Communications, Inc.

Terrain database is 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= West Zone, Co to 3rd adjacent. All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected. 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.

2nd Adjacent Waiver Requested

Figure 1

Waiver Request of Section 74.1204 and Showing of Compliance

With respect to KXFF:

The proposed FM translator is located within the protected 60 dBu F(50,50) contour of 2nd adjacent channel KXFF Colorado City, AZ, FID # 69623 (see **Figure 1**). The predicted F(50,50) field strength of KXFF at the proposed translator site is 70.06 dBu (free space equation).

Using the Undesired-to-Desired method for calculating proposed interference, the proposed interfering contour with respect to KXFF is 110.06 dBu (70.06 + 40) (free space method employed). This interfering signal would, in the worst case, extend 219.29 meters from the proposed antenna.

The interference area described above is located in an unpopulated area. Any structures in the immediate area house communications equipment only, and have no regular human occupancy.

To further support this waiver request, an interference area represented by a circle having a radius of 220 meters from the proposed translator site has been plotted on a section of the Hole-n-Wall Canyon, AZ 7.5 min USGS Topographical Map (see **Figure 2**). In addition a circle with a radius of 220 meters has been plotted on a recent aerial photo to account for any newer development in the area (see **Figure 3**).

Since no population inhabits the interference area, the Applicant respectfully requests waiver of the FM translator contour overlap requirements with respect to 2nd adjacent station KXFF, as permitted in CFR Section 74.1204.

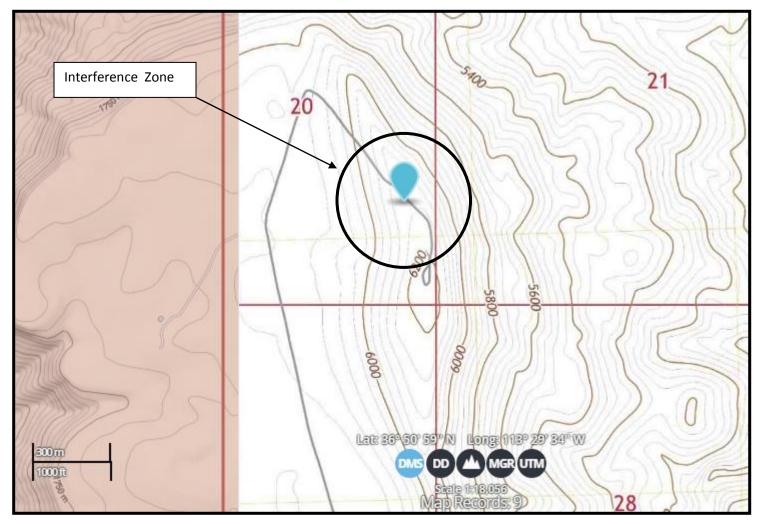


Figure 2



Figure 3

"FILL-IN QUALIFICATION"

Figure 4 below illustrates the fact that the proposed fill-in FM translator's 60 dBu contour lies completely within the 60 dBu contour of primary station KCLS-HD3, Leeds, UT, FID # 55461.

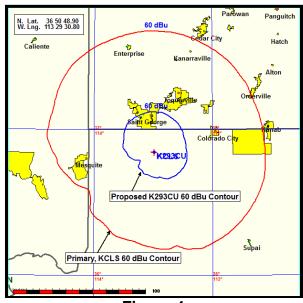


Figure 4

OVERLAPPING 60 dBu CONTOUR MINOR MODIFICATION QUALIFICATION

Figure 5 below demonstrates the overlapping 60 dBu contours of the licensed and proposed facilities.

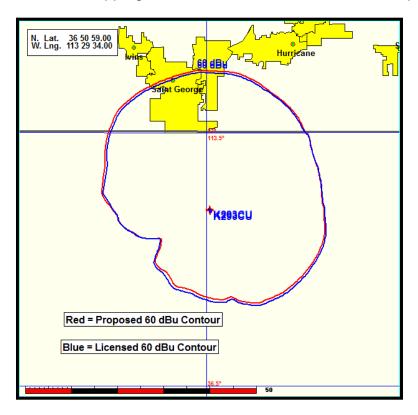


Figure 5

ENVIRONMENTAL COMPLIANCE:

The proposed facility (antenna) will be installed on a newly constructed, FAA approved 305 ft. tower (ASR # 1308648) at the established Seegmiller Mountain communications site. There will be no significant environmental impact as outlined in 47 CFR 1.1307.

With an ERP of 99 watts (<100), Commission Rules categorically exclude this facility from RF exposure guidelines.

Access to the transmitting site will be restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.