TECHNICAL SUMMARY
SECOND FILING WINDOW
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
CLASS A STATION K32LT-D
SAN LUIS OBISPO, CALIFORNIA
CHANNEL 32 15 KW (DA)

1. The instant application is a second filing window application for K32LT-D on channel 32 at San Luis Obispo, California. It is proposed to increase the ERP from 10.7 kW to 15 kW. There will be no other changes. There will also be no change in the overall structure height.

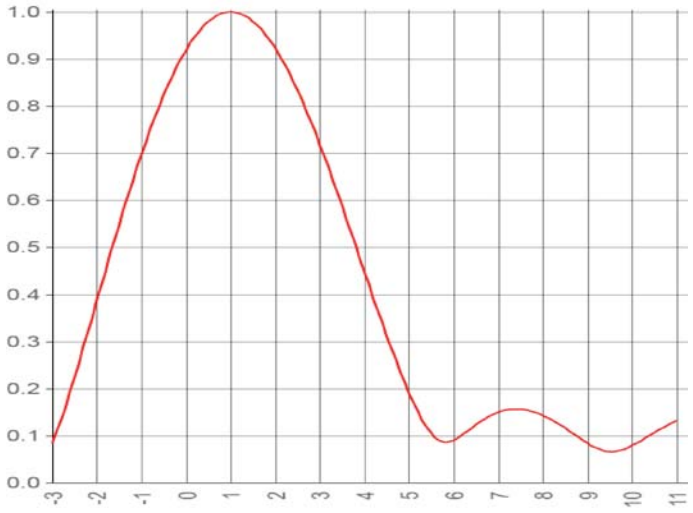
2. As demonstrated in the attached *TVStudy* analysis exhibit , the proposal complies with the FCC's interference requirements based on a cell size of 1.0 km and a profile resolution of 1.0 points/km.

3. RFR Compliance: The proposed facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna will be located 10.6 meters above ground level. The total DTV ERP is 18.75 kW (15 kW-horizontal, 3.75 kW-vertical). Based on consideration of the attached vertical plane relative field pattern, the calculated power density (at 2 meters above ground level) is less than 5% of the FCC's recommended limit for an uncontrolled environment (387 uV/m^2 for channel 32) at all locations greater than 20 meters (65 feet) from the tower base. According to an agent of the applicant, the closest publicly accessible point is located 45.7 meters (150 feet) from the tower. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules. The transmitter is located at on a remote mountaintop. Furthermore, access to the transmitting site is restricted and appropriately markets with RFR warning signs. Also, a protocol will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measure will be taken to assure worker safety with respect to RFR exposure. Such measures include limiting the exposure time, wearing protective clothing, reducing power to an acceptable level or termination of transmitter output power all together until workers leave the restricted area.

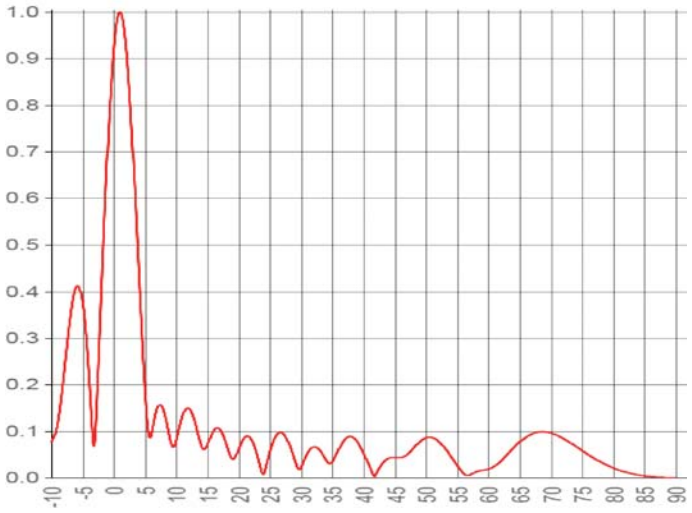
ELEVATION PATTERN

Exhibit No.	**C-70731**
Date	**6 May 2017**
Call Letters	**K50LZ**
Channel	**32**
Antenna Type	**TLP-12B/VP**
Location	**San Luis Obispo, CA**
Customer	**Entravision**

RMS Gain at Main Lobe	**12.0 (10.79 dB)**	Beam Tilt	**1 Degrees**
RMS Gain at Horizontal	**10.1 (10.06 dB)**	Drawing #	**12L120100**
	Calculated		



Degrees below horizontal



Degrees below horizontal

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10	0.076	10	0.079	30	0.022	50	0.086	70	0.096
-9	0.117	11	0.132	31	0.051	51	0.086	71	0.091
-8	0.221	12	0.149	32	0.066	52	0.078	72	0.084
-7	0.339	13	0.120	33	0.059	53	0.064	73	0.076
-6	0.409	14	0.071	34	0.038	54	0.045	74	0.067
-5	0.379	15	0.070	35	0.034	55	0.026	75	0.058
-4	0.227	16	0.101	36	0.060	56	0.010	76	0.049
-3	0.084	17	0.104	37	0.082	57	0.006	77	0.041
-2	0.385	18	0.074	38	0.089	58	0.013	78	0.034
-1	0.696	19	0.041	39	0.078	59	0.016	79	0.027
0	0.919	20	0.062	40	0.053	60	0.018	80	0.021
1	1.000	21	0.087	41	0.023	61	0.025	81	0.016
2	0.923	22	0.083	42	0.008	62	0.036	82	0.012
3	0.718	23	0.049	43	0.030	63	0.050	83	0.009
4	0.447	24	0.008	44	0.041	64	0.064	84	0.006
5	0.192	25	0.056	45	0.043	65	0.077	85	0.004
6	0.090	26	0.090	46	0.043	66	0.087	86	0.002
7	0.150	27	0.096	47	0.050	67	0.094	87	0.001
8	0.143	28	0.075	48	0.063	68	0.098	88	0.001
9	0.084	29	0.037	49	0.077	69	0.099	89	0.000