

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of APIERO COMMUNICATIONS, LLC, licensee of full-power digital television station KAIL-DT, Channel 7 in Fresno, California, in support of its Application for Construction Permit to increase the station's effective radiated power to 80 kW. No change in transmitter site location, antenna radiation pattern or antenna height above ground is proposed herein.

It is proposed utilize the existing ERI directional, elliptically-polarized slotted cylinder antenna, which is mounted at the 32.6-meter level of an existing 36.6-meter structure. Exhibit B is a map upon which the predicted service contours are plotted. As shown, the community of Fresno is completely encompassed by the proposed 43 dBu city-grade service contour.

Elevation and azimuth pattern information for the proposed antenna are provided in Exhibit C. Exhibit D provides the summary results from a TVStudy interference study, which was conducted using a cell size of 0.5 kilometers and increment spacing of 0.1 kilometer. It concludes that the proposed KAIL-DT facility meets the Commission's de minimis interference criteria to all co-channel and adjacent-channel post-repack full-power and Class A facilities. A power density calculation appears as Exhibit E.

It is important to note that the proposed KAIL-DT facility exceeds the FCC's maximum power/height limitations for high-band digital television stations located in Zone 2 of the United States. However, the Commission allows stations to exceed these limits as long as the coverage area of the station does not exceed the coverage area of the largest station in the same market. In this case, the largest station in the Fresno, California, market is KNSO-DT, Channel 11 in Merced, California. The area within the licensed KNSO-DT predicted 36 dBu

EXHIBIT A

service contour is 46,490 square kilometers. The area within the KAIL-DT facility proposed herein is 41,954 square kilometers. Therefore, the proposal meets the FCC's Rules with regard to the Largest Station in the Market exception to the power/height limitations.

Since no change in the overall height or location of the existing KAIL-DT tower is proposed herein, and due to the diminutive height of the tower (36.6 meters) and its proximity to the nearest airport runway, the Federal Aviation Administration has not been notified of this application. In addition, and for the same reasons, FCC Antenna Structure Registration is not required. This conclusion is supported by the Commission's TOWAIR software.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read 'K. T. Fisher', with a stylized, elongated final stroke.

KEVIN T. FISHER

November 26, 2017

CONTOUR POPULATION
2105 U.S. CENSUS DATA
43 DBU : 1,883,546 (623,844 HH)
36 DBU : 2,171,413 (732,564 HH)

Smith and Fisher, LLC

**36 DBU FCC
SERVICE CONTOUR**

**43 DBU FCC
SERVICE CONTOUR**

KAIL-DT

EXHIBIT B
PREDICTED SERVICE CONTOURS
KAIL-DT
CHANNEL 7 - FRESNO, CALIFORNIA

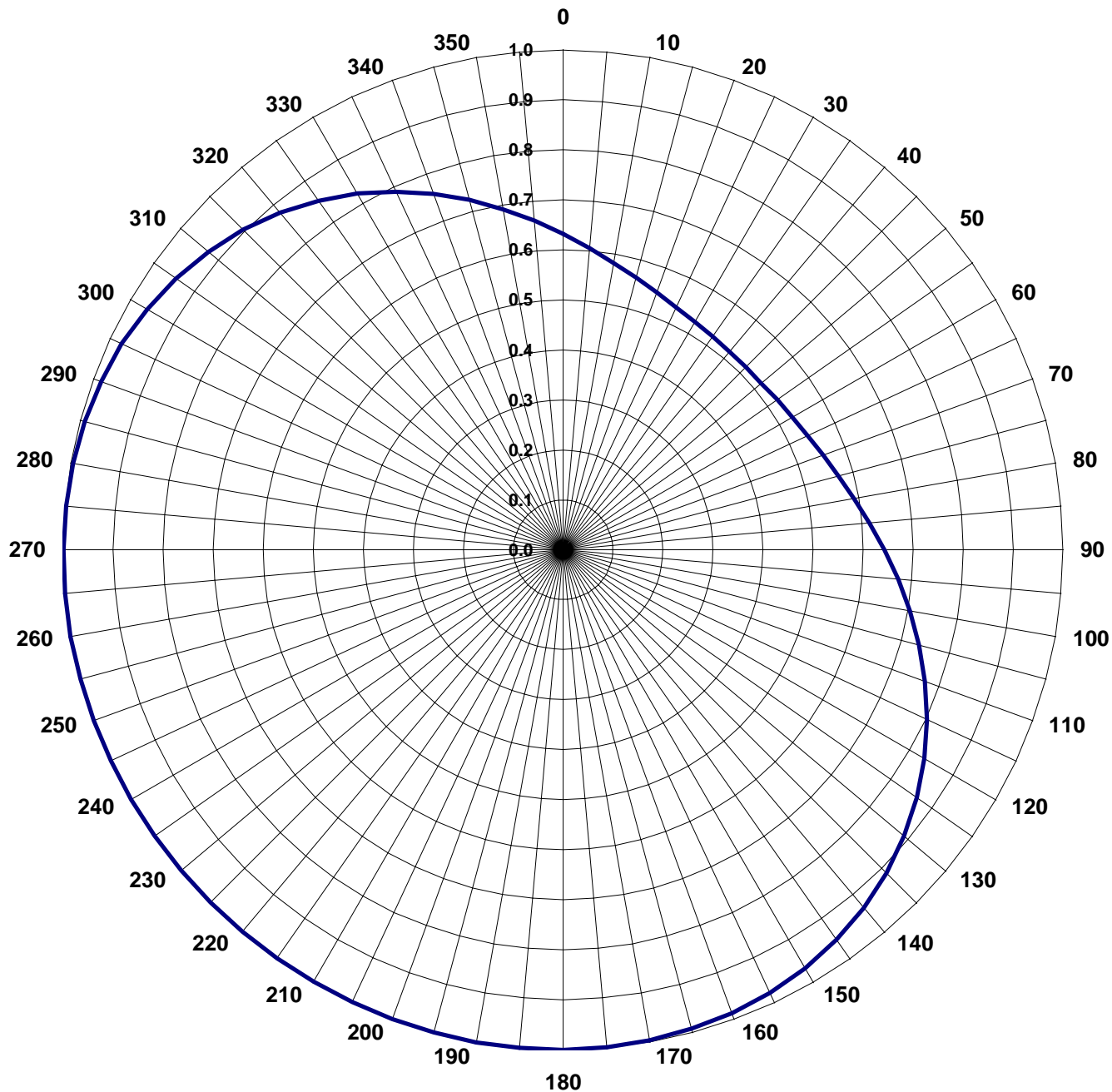
Scale 1:1,400,000

0 10 20 30 mi

AZIMUTH PATTERN

TYPE:**CH7HAZ-CX****Numeric****dB****Directivity:****1.37****1.37****Peak(s) at:****Polarization:****Horizontal****Frequency:****7 (Digital)****Location:****Fresno, CA**

Note: Pattern shape and directivity may vary with channel and mounting configuration.



TABULATED DATA FOR AZIMUTH PATTERN

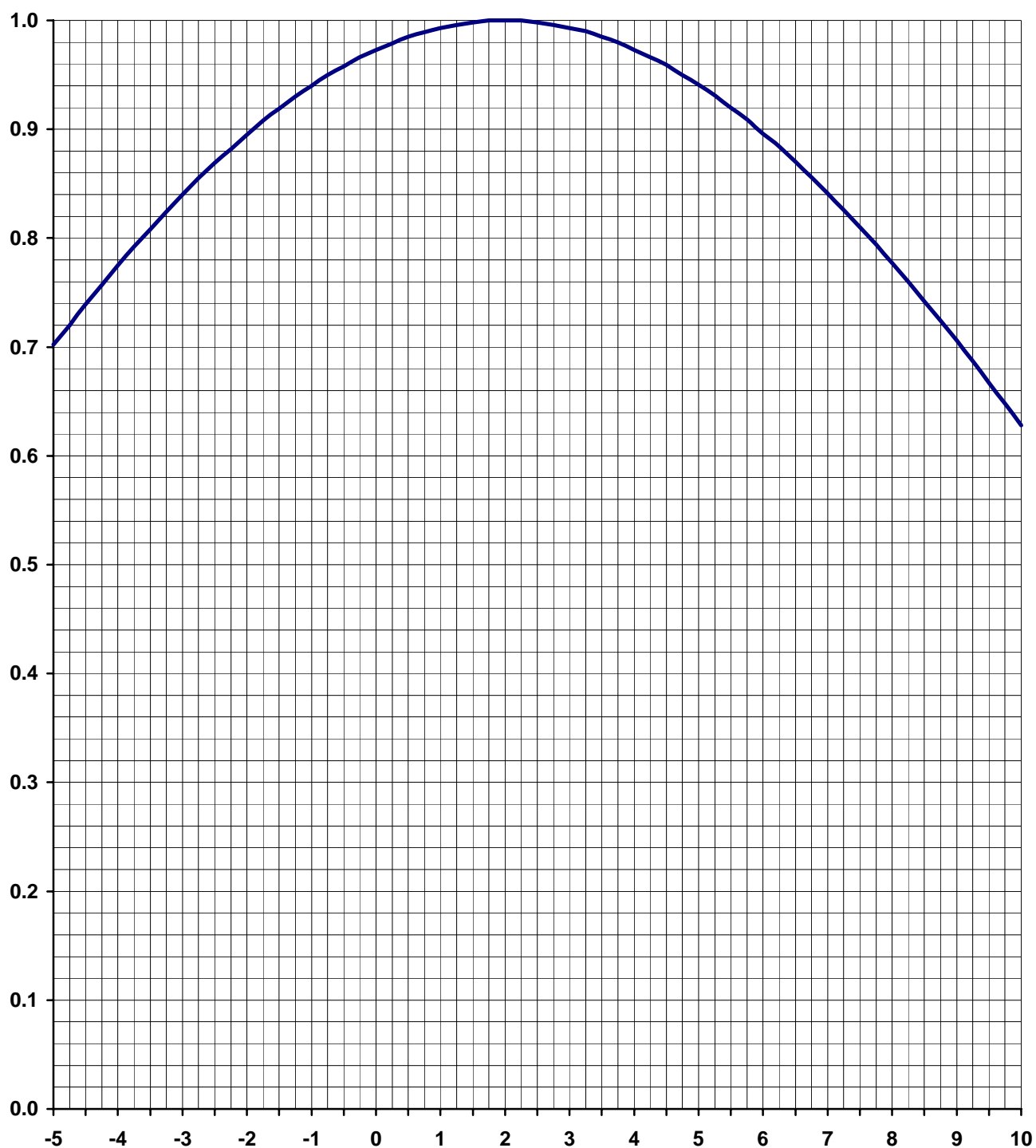
TYPE: CH7HAZ-CX

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.631	-4.00	92	0.654	-3.69	184	1.000	0.00	276	0.997	-0.03
2	0.620	-4.15	94	0.666	-3.53	186	1.000	0.00	278	0.996	-0.03
4	0.610	-4.29	96	0.678	-3.38	188	1.000	0.00	280	0.995	-0.04
6	0.600	-4.44	98	0.691	-3.21	190	1.000	0.00	282	0.993	-0.06
8	0.590	-4.58	100	0.704	-3.05	192	1.000	0.00	284	0.991	-0.08
10	0.582	-4.70	102	0.717	-2.89	194	0.999	-0.01	286	0.989	-0.10
12	0.574	-4.82	104	0.730	-2.73	196	0.999	-0.01	288	0.986	-0.12
14	0.566	-4.94	106	0.743	-2.58	198	0.999	-0.01	290	0.983	-0.15
16	0.559	-5.05	108	0.757	-2.42	200	0.999	-0.01	292	0.980	-0.18
18	0.553	-5.15	110	0.770	-2.27	202	0.998	-0.02	294	0.976	-0.21
20	0.547	-5.24	112	0.783	-2.12	204	0.998	-0.02	296	0.971	-0.26
22	0.542	-5.32	114	0.796	-1.98	206	0.998	-0.02	298	0.967	-0.29
24	0.537	-5.40	116	0.809	-1.84	208	0.998	-0.02	300	0.961	-0.35
26	0.533	-5.47	118	0.822	-1.70	210	0.997	-0.03	302	0.956	-0.39
28	0.529	-5.53	120	0.834	-1.58	212	0.997	-0.03	304	0.949	-0.45
30	0.526	-5.58	122	0.846	-1.45	214	0.997	-0.03	306	0.942	-0.52
32	0.524	-5.61	124	0.858	-1.33	216	0.997	-0.03	308	0.935	-0.58
34	0.521	-5.66	126	0.869	-1.22	218	0.997	-0.03	310	0.927	-0.66
36	0.520	-5.68	128	0.880	-1.11	220	0.997	-0.03	312	0.919	-0.73
38	0.518	-5.71	130	0.890	-1.01	222	0.997	-0.03	314	0.910	-0.82
40	0.517	-5.73	132	0.900	-0.92	224	0.997	-0.03	316	0.900	-0.92
42	0.517	-5.73	134	0.910	-0.82	226	0.997	-0.03	318	0.890	-1.01
44	0.517	-5.73	136	0.919	-0.73	228	0.997	-0.03	320	0.880	-1.11
46	0.517	-5.73	138	0.927	-0.66	230	0.997	-0.03	322	0.869	-1.22
48	0.517	-5.73	140	0.935	-0.58	232	0.997	-0.03	324	0.858	-1.33
50	0.518	-5.71	142	0.942	-0.52	234	0.997	-0.03	326	0.846	-1.45
52	0.520	-5.68	144	0.949	-0.45	236	0.997	-0.03	328	0.834	-1.58
54	0.521	-5.66	146	0.956	-0.39	238	0.997	-0.03	330	0.822	-1.70
56	0.524	-5.61	148	0.961	-0.35	240	0.998	-0.02	332	0.809	-1.84
58	0.526	-5.58	150	0.967	-0.29	242	0.998	-0.02	334	0.796	-1.98
60	0.529	-5.53	152	0.971	-0.26	244	0.998	-0.02	336	0.783	-2.12
62	0.533	-5.47	154	0.976	-0.21	246	0.998	-0.02	338	0.770	-2.27
64	0.537	-5.40	156	0.980	-0.18	248	0.999	-0.01	340	0.757	-2.42
66	0.542	-5.32	158	0.983	-0.15	250	0.999	-0.01	342	0.743	-2.58
68	0.547	-5.24	160	0.986	-0.12	252	0.999	-0.01	344	0.730	-2.73
70	0.553	-5.15	162	0.989	-0.10	254	0.999	-0.01	346	0.717	-2.89
72	0.559	-5.05	164	0.991	-0.08	256	1.000	0.00	348	0.704	-3.05
74	0.566	-4.94	166	0.993	-0.06	258	1.000	0.00	350	0.691	-3.21
76	0.574	-4.82	168	0.995	-0.04	260	1.000	0.00	352	0.678	-3.38
78	0.582	-4.70	170	0.996	-0.03	262	1.000	0.00	354	0.666	-3.53
80	0.590	-4.58	172	0.997	-0.03	264	1.000	0.00	356	0.654	-3.69
82	0.600	-4.44	174	0.998	-0.02	266	1.000	0.00	358	0.642	-3.85
84	0.610	-4.29	176	0.999	-0.01	268	1.000	0.00	360	0.631	-4.00
86	0.620	-4.15	178	0.999	-0.01	270	0.999	-0.01			
88	0.631	-4.00	180	1.000	0.00	272	0.999	-0.01			
90	0.642	-3.85	182	1.000	0.00	274	0.998	-0.02			

ELEVATION PATTERN

TYPE:	ATW4V8H	
Directivity:	Numeric	dBd
Main Lobe:	4.00	6.02
Horizontal:	3.79	5.78

Frequency:	7 (Digital)
Location:	Fresno, CA
Beam Tilt:	2.00
Polarization:	Horizontal



TABULATED DATA FOR ELEVATION PATTERN

TYPE: ATW4V8H

-5 to 10 degrees in 0.25 increments

10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-5.00	0.702	-3.07	6.75	0.856	-1.35	27.00	0.234	-12.62	50.50	0.116	-18.71	74.00	0.152	-16.36
-4.75	0.720	-2.85	7.00	0.841	-1.50	27.50	0.225	-12.96	51.00	0.109	-19.25	74.50	0.149	-16.54
-4.50	0.739	-2.63	7.25	0.826	-1.66	28.00	0.215	-13.35	51.50	0.102	-19.83	75.00	0.146	-16.71
-4.25	0.757	-2.42	7.50	0.810	-1.83	28.50	0.203	-13.85	52.00	0.095	-20.45	75.50	0.143	-16.89
-4.00	0.775	-2.21	7.75	0.794	-2.00	29.00	0.191	-14.38	52.50	0.089	-21.01	76.00	0.140	-17.08
-3.75	0.792	-2.03	8.00	0.777	-2.19	29.50	0.177	-15.04	53.00	0.083	-21.62	76.50	0.137	-17.27
-3.50	0.808	-1.85	8.25	0.760	-2.38	30.00	0.164	-15.70	53.50	0.078	-22.16	77.00	0.133	-17.52
-3.25	0.824	-1.68	8.50	0.742	-2.59	30.50	0.149	-16.54	54.00	0.074	-22.62	77.50	0.129	-17.79
-3.00	0.840	-1.51	8.75	0.724	-2.81	31.00	0.135	-17.39	54.50	0.070	-23.10	78.00	0.125	-18.06
-2.75	0.855	-1.36	9.00	0.706	-3.02	31.50	0.121	-18.34	55.00	0.069	-23.22	78.50	0.121	-18.34
-2.50	0.869	-1.22	9.25	0.687	-3.26	32.00	0.107	-19.41	55.50	0.068	-23.35	79.00	0.117	-18.64
-2.25	0.882	-1.09	9.50	0.667	-3.52	32.50	0.094	-20.54	56.00	0.069	-23.22	79.50	0.112	-19.02
-2.00	0.895	-0.96	9.75	0.648	-3.77	33.00	0.082	-21.72	56.50	0.071	-22.97	80.00	0.108	-19.33
-1.75	0.908	-0.84	10.00	0.628	-4.04	33.50	0.072	-22.85	57.00	0.074	-22.62	80.50	0.103	-19.74
-1.50	0.919	-0.73	10.50	0.588	-4.61	34.00	0.066	-23.61	57.50	0.077	-22.27	81.00	0.098	-20.18
-1.25	0.930	-0.63	11.00	0.548	-5.22	34.50	0.063	-24.01	58.00	0.082	-21.72	81.50	0.093	-20.63
-1.00	0.940	-0.54	11.50	0.507	-5.90	35.00	0.064	-23.88	58.50	0.087	-21.21	82.00	0.088	-21.11
-0.75	0.950	-0.45	12.00	0.466	-6.63	35.50	0.069	-23.22	59.00	0.092	-20.72	82.50	0.083	-21.62
-0.50	0.958	-0.37	12.50	0.425	-7.43	36.00	0.076	-22.38	59.50	0.098	-20.18	83.00	0.078	-22.16
-0.25	0.966	-0.30	13.00	0.385	-8.29	36.50	0.085	-21.41	60.00	0.103	-19.74	83.50	0.073	-22.73
0.00	0.973	-0.24	13.50	0.346	-9.22	37.00	0.095	-20.45	60.50	0.109	-19.25	84.00	0.068	-23.35
0.25	0.979	-0.18	14.00	0.309	-10.20	37.50	0.104	-19.66	61.00	0.114	-18.86	84.50	0.062	-24.15
0.50	0.985	-0.13	14.50	0.273	-11.28	38.00	0.114	-18.86	61.50	0.119	-18.49	85.00	0.057	-24.88
0.75	0.989	-0.10	15.00	0.241	-12.36	38.50	0.123	-18.20	62.00	0.124	-18.13	85.50	0.051	-25.85
1.00	0.993	-0.06	15.50	0.212	-13.47	39.00	0.132	-17.59	62.50	0.129	-17.79	86.00	0.046	-26.74
1.25	0.996	-0.03	16.00	0.187	-14.56	39.50	0.140	-17.08	63.00	0.134	-17.46	86.50	0.040	-27.96
1.50	0.998	-0.02	16.50	0.168	-15.49	40.00	0.147	-16.65	63.50	0.138	-17.20	87.00	0.034	-29.37
1.75	1.000	0.00	17.00	0.155	-16.19	40.50	0.154	-16.25	64.00	0.142	-16.95	87.50	0.029	-30.75
2.00	1.000	0.00	17.50	0.150	-16.48	41.00	0.159	-15.97	64.50	0.145	-16.77	88.00	0.023	-32.77
2.25	1.000	0.00	18.00	0.151	-16.42	41.50	0.164	-15.70	65.00	0.149	-16.54	88.50	0.017	-35.39
2.50	0.998	-0.02	18.50	0.158	-16.03	42.00	0.168	-15.49	65.50	0.152	-16.36	89.00	0.012	-38.42
2.75	0.996	-0.03	19.00	0.168	-15.49	42.50	0.170	-15.39	66.00	0.154	-16.25	89.50	0.006	-44.44
3.00	0.993	-0.06	19.50	0.180	-14.89	43.00	0.172	-15.29	66.50	0.157	-16.08	90.00	0.000	---
3.25	0.990	-0.09	20.00	0.193	-14.29	43.50	0.173	-15.24	67.00	0.158	-16.03			
3.50	0.985	-0.13	20.50	0.206	-13.72	44.00	0.174	-15.19	67.50	0.160	-15.92			
3.75	0.980	-0.18	21.00	0.218	-13.23	44.50	0.173	-15.24	68.00	0.161	-15.86			
4.00	0.973	-0.24	21.50	0.229	-12.80	45.00	0.171	-15.34	68.50	0.162	-15.81			
4.25	0.966	-0.30	22.00	0.238	-12.47	45.50	0.169	-15.44	69.00	0.163	-15.76			
4.50	0.959	-0.36	22.50	0.246	-12.18	46.00	0.166	-15.60	69.50	0.163	-15.76			
4.75	0.950	-0.45	23.00	0.252	-11.97	46.50	0.162	-15.81	70.00	0.163	-15.76			
5.00	0.941	-0.53	23.50	0.256	-11.84	47.00	0.158	-16.03	70.50	0.162	-15.81			
5.25	0.931	-0.62	24.00	0.258	-11.77	47.50	0.153	-16.31	71.00	0.162	-15.81			
5.50	0.920	-0.72	24.50	0.258	-11.77	48.00	0.148	-16.59	71.50	0.161	-15.86			
5.75	0.909	-0.83	25.00	0.257	-11.80	48.50	0.142	-16.95	72.00	0.159	-15.97			
6.00	0.896	-0.95	25.50	0.254	-11.90	49.00	0.136	-17.33	72.50	0.158	-16.03			
6.25	0.884	-1.07	26.00	0.249	-12.08	49.50	0.129	-17.79	73.00	0.156	-16.14			
6.50	0.870	-1.21	26.50	0.242	-12.32	50.00	0.122	-18.27	73.50	0.154	-16.25			

Exhibit D

TVSTUDY INTERFERENCE SUMMARY
PROPOSED KAIL-DT
CH. 7 - FRESNO, CALIFORNIA

Study created: 2017.11.26 17:18:48

Study build station data: LMS TV 2017-11-22 (3)

Proposal: KAIL D7 DT CP FRESNO, CA
File number: BPCDT20100401ABQ
Facility ID: 67494
Station data: User record
Record ID: 124
Country: U.S.
Zone: II

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	
KABC-TV	D7	DT	LIC	LOS ANGELES, CA	BLCDDT20110503ACD	339.4
km						
KRON-TV	D7	DT	CP	SAN FRANCISCO, CA	BLANK0000029842	277.3
KRON-TV	D7	DT	BL	SAN FRANCISCO, CA	DTVBL65526	277.3
KSBW	D8	DT	LIC	SALINAS, CA	BLCDDT20090901ACY	187.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D7
Latitude: 37 4 19.90 N (NAD83)
Longitude: 119 25 54.70 W
Height AMSL: 1393.6 m
HAAT: 568.9 m
Peak ERP: 80.0 kW
Antenna: ERI-ATW 4V8-ETCX-7 (ID 103756) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 2.00

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
---------	-----	------	----------

Exhibit D

0.0 deg	31.9 kW	492.0 m	116.6 km
45.0	21.4	92.4	76.5
90.0	33.0	-79.8	60.5
135.0	66.6	460.3	122.0
180.0	80.0	798.9	141.1
225.0	79.5	981.5	146.1
270.0	79.8	920.3	144.5
315.0	65.3	887.4	141.1

ERP exceeds maximum

ERP: 80.0 kW ERP maximum: 36.2 kW

**Proposal service area extends beyond baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1283.8 km

Distance to Mexican border: 529.6 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 290.2 degrees Distance: 217.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 70.3 degrees Distance: 1275.8 km

Study cell size: 0.50 km

Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

No IX check failures found.

POWER DENSITY CALCULATION
PROPOSED KAIL-DT
CHANNEL 7 – FRESNO, CALIFORNIA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Fresno facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 80 kW (H), an antenna radiation center 32.6 meters above ground, and the specific elevation pattern of the licensed ERI antenna, maximum power density two meters above ground of 0.134 mW/cm^2 is calculated to occur 11 meters northwest and southeast of the base of the tower. Since this value is only 67.0 percent of the 0.20 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 7 (174-180 MHz), a grant of this proposal may be considered a minor environmental action with respect to public exposure to non-ionizing electromagnetic radiation.

In addition, once the new KAIL-DT facility is operational, a power density survey of the tower site will be conducted in order to ensure compliance with the Commission's RF human exposure standards.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive non-ionizing radiation.