



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
POST REPACK CONSTRUCTION PERMIT
KEYE-TV - AUSTIN, TEXAS
DTV - CH. 34 - 840 kW - 395 m HAAT**

Prepared for: KEYE LICENSEE, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, License No. 7418, and in the State of New York, License No. 63418.

GENERAL

This office has been authorized by KEYE LICENSEE, LLC, licensee of KEYE-TV, channel 43, facility ID number 33691, licensed to Austin, Texas, to prepare this statement, FCC Form 2100, Schedule A, its technical sections, and the associated exhibits in support of an application for construction permit, in accordance with the Incentive Auction Closing and Channel Reassignment Public Notice, DA 17-314, and the technical information provided in the confidential reassignment letter from the FCC announcing the substitution for DTV channel 43 with new DTV channel 34 to be used by KEYE-TV for its post-reassignment broadcasting.

DIRECTIONAL ANTENNA

The applicant proposes to install a new Dielectric model TFU-24GTH/VP-R O6SP elliptically polarized directional transmitting antenna with its center of radiation located at a height above ground of 361 meters, and a height above average terrain of 395 meters. The antenna manufacturer's directional horizontal plane azimuth radiation pattern for the horizontally polarized component is shown and tabulated in exhibit 2. The manufacturer's horizontal plane azimuth pattern for the vertically polarized component is shown and tabulated in exhibit 3. The manufacturer's vertical plane elevation radiation pattern, illustrating the antenna's radiation characteristics above and below the horizontal plane is shown and tabulated in Exhibit 4.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours were calculated in accordance with the method described in Section 73.625(b) of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), proposed Effective Radiated Power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site, was determined using the NED Three Second US Terrain Database as permitted in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data. Exhibit 1 shows the predicted Noise Limited (40.68 dBu) contour, and the principal community (48 dBu) contour. The 48 dBu contour completely encompasses the principal community of license, Austin, Texas.

ALLOCATION CONSIDERATIONS

Post-Transition DTV Considerations

A study was performed, using the FCC's software, tv_study, v. 2.2.2, to determine if the instant application for construction permit is predicted to cause new prohibited interference to post reassignment DTV stations, construction permits, DTV allotments or Class A DTV stations. The study results, shown in Appendix B, indicate that the instant application for construction permit is predicted to cause no new interference exceeding 0.5% to the populations served by any post reassignment DTV station, construction permit, allotment or Class A DTV stations. The study also shows that KEYE-TV's proposed service area is within the baseline plus 1%. (See Appendix B)

International DTV Considerations

International DTV Considerations

The KEYE-TV site is located 308.6 kilometers from the nearest point on the US-Mexican border and more than 1,800 kilometers from the nearest point on the US-Canadian border. The study includes Mexican facilities within the coordination distance, however, none is predicted to be affected by the KEYE-TV proposal. (See Appendix B)

BLANKETING AND INTERMODULATION INTERFERENCE

Other broadcast and non-broadcast facilities are either co-located with, or located within 10 km of the proposed KEYE-TV site. The applicant does recognize its responsibility to remedy complaints of interference that might result from this proposal in accordance with applicable Rules.

RADIO FREQUENCY IMPACT

The FCC's guidelines and procedures for evaluating environmental effects of radio frequency (RF) emissions are generally based on recommendations by the National Council on Radiation Protection and Measurements (NCRP) in NCRP Report No. 86 (1986) and by the American National Standards Institute and the Institute of Electrical and Electronic Engineers, LLC (IEEE) in ANSI/IEEE C95.1-1992 (IEEE C95.1-1991). The guidelines define a maximum permissible exposure (MPE) level for occupational or "controlled" situations, and for "uncontrolled" environments that apply in all other cases that might affect the general public. The FCC Office of Engineering and Technology's technical bulletin No. 65 entitled, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields" (Edition 97-01, August 1997), provides assistance to determine whether FCC-regulated transmitting facilities, operations or devices comply with guidelines for human exposure to radio frequency electromagnetic fields as adopted by the Commission in 1996. OET Bulletin No. 65 contains the technical information necessary to evaluate compliance with the FCC's policies and guidelines.

The Maximum Permitted Exposure (MPE) level for broadcast facilities that operate on a frequency between 30 MHz and 300 MHz is 200 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) for an "uncontrolled" environment, and is 1000 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) for a "controlled" environment. The MPE level for broadcast facilities that operate on a frequency between 300 MHz and 1500 MHz, primarily UHF TV stations, is determined for an "uncontrolled" environment by dividing the operating frequency in MHz

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by 1.5, and is similarly determined for a "controlled" environment by dividing the operating frequency in MHZ by 0.3.

The KEYE-TV transmit antenna is located at a multiple-use transmitter site. In accordance with Section 1.1307(b) of the FCC Rules, "when performing an evaluation for compliance with the FCC RF guidelines all significant contributors to the ambient RF environment should be considered". As discussed below, the KEYE-TV predicted power density contribution at the multiple-use site is not considered significant and does not require consideration.

As shown on the vertical elevation pattern submitted elsewhere in this application, the relative field of the proposed antenna does not exceed a value of 0.15 at any downward direction greater than 4.0 degrees below the horizontal. Considering this worst-case downward relative field of 0.15, the subject station is predicted to produce a maximum power density of only 7.00 microwatts per square centimeter at two meters above ground level at the multiple-use transmitter site. This represents only 1.77% of the FCC Guideline value of 395.33 microwatts per square centimeter for uncontrolled RFR environments at the KEYE-TV operating frequency. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would contribute less than 5% of the uncontrolled and controlled exposure limit at the multiple use site, the proposal's power density contribution is insignificant.

Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel.

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In light of the above, the proposed KEYE-TV facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

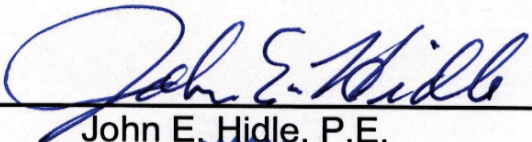
OCCUPATIONAL SAFETY

The licensee of KEYE-TV is committed to the protection of station personnel and/or tower contractors working in the vicinity of the KEYE-TV antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.


SUMMARY

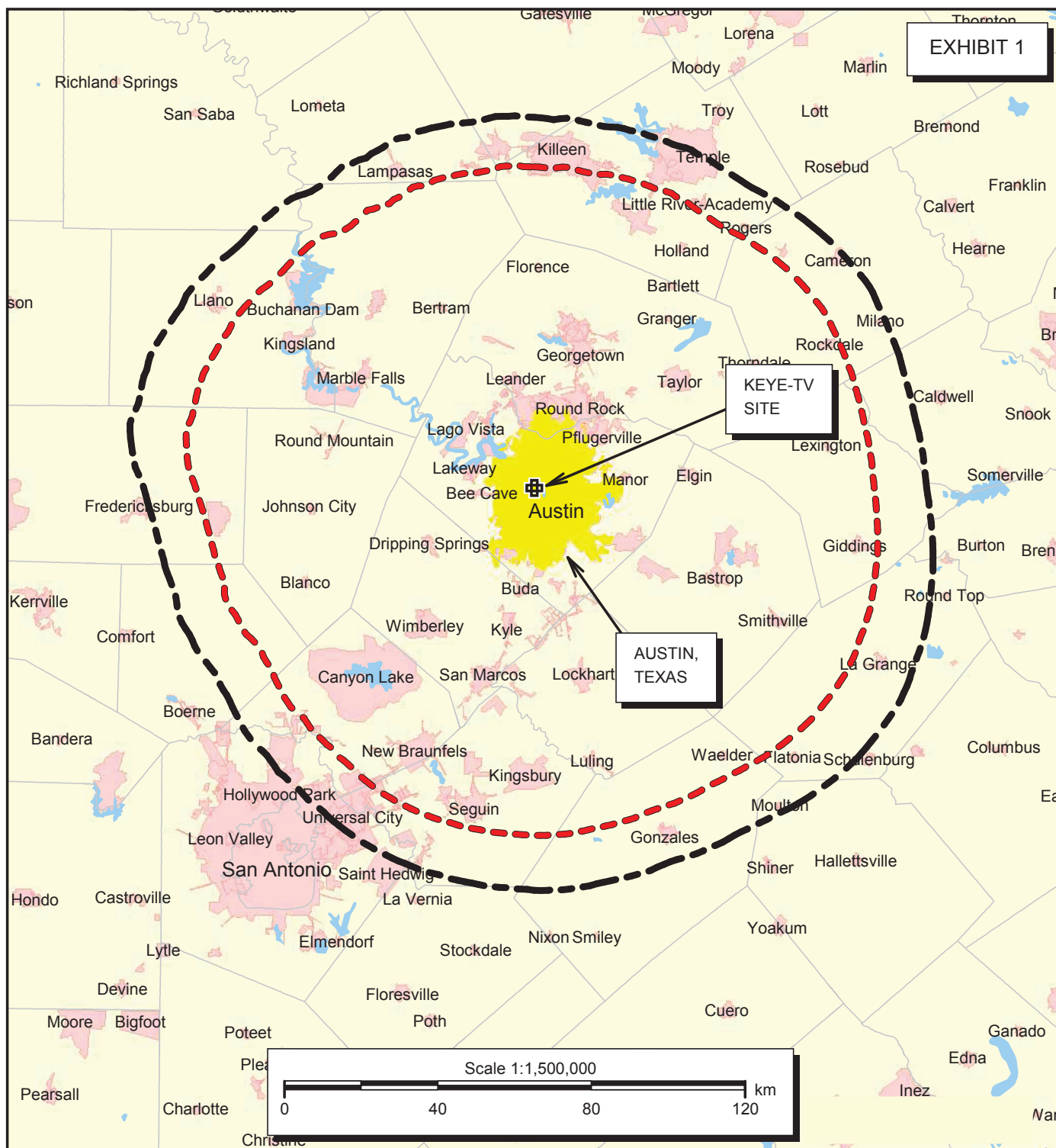
It is submitted that the instant application for construction permit to change KEYE-TV from channel 43 to channel 34, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement, FCC Form 2100, its technical sections, and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

DATED: June 13, 2017



John E. Hidle, P.E.





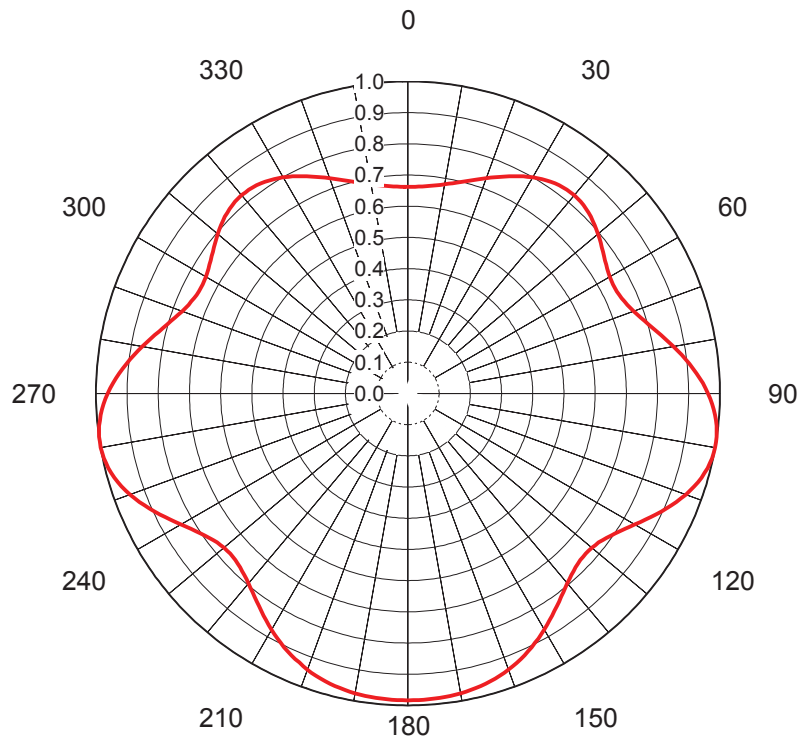
PREDICTED COVERAGE CONTOURS

KEYE-TV - AUSTIN, TEXAS
DTV Channel 34 - 840 kW ERP - 395 M HAAT
MAY, 2017

Predicted Noise Limited 40.68 dBu
 F(50,90) Coverage Contour



Predicted Principal Community 48 dBu
 F(50,90) Coverage Contour



AZIMUTH PATTERN Horizontal Polarization

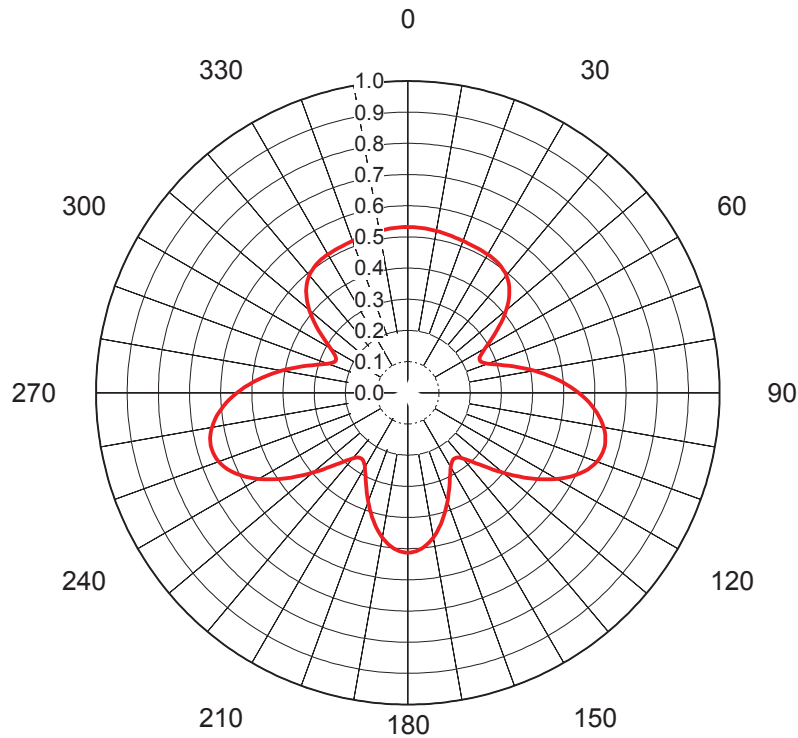
Proposal No. **C-70037**
 Date **14-Feb-17**
 Call Letters **KEYE 34**
 Frequency **593 MHz**
 Antenna Type **TFU-24GTH/VP-R O6SP**

 Gain **1.39 (1.44dB)**
Calculated

 Drawing # **TFU-O6SP**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.662	36	0.825	72	0.785	108	0.965	144	0.824	180	0.984	216	0.824	252	0.965	288	0.785	324	0.825
1	0.662	37	0.827	73	0.794	109	0.957	145	0.832	181	0.984	217	0.817	253	0.972	289	0.778	325	0.822
2	0.663	38	0.828	74	0.803	110	0.948	146	0.841	182	0.984	218	0.809	254	0.979	290	0.770	326	0.819
3	0.664	39	0.829	75	0.812	111	0.938	147	0.849	183	0.983	219	0.802	255	0.984	291	0.764	327	0.814
4	0.665	40	0.829	76	0.822	112	0.929	148	0.857	184	0.983	220	0.795	256	0.990	292	0.758	328	0.810
5	0.667	41	0.828	77	0.832	113	0.918	149	0.866	185	0.982	221	0.789	257	0.993	293	0.754	329	0.805
6	0.669	42	0.827	78	0.843	114	0.907	150	0.874	186	0.981	222	0.783	258	0.997	294	0.750	330	0.800
7	0.671	43	0.825	79	0.854	115	0.896	151	0.882	187	0.980	223	0.779	259	0.998	295	0.748	331	0.794
8	0.674	44	0.823	80	0.864	116	0.885	152	0.890	188	0.979	224	0.774	260	1.000	296	0.745	332	0.788
9	0.677	45	0.819	81	0.875	117	0.873	153	0.898	189	0.978	225	0.771	261	1.000	297	0.745	333	0.781
10	0.681	46	0.815	82	0.886	118	0.862	154	0.905	190	0.976	226	0.769	262	0.999	298	0.745	334	0.775
11	0.685	47	0.811	83	0.897	119	0.851	155	0.912	191	0.974	227	0.768	263	0.997	299	0.746	335	0.768
12	0.689	48	0.806	84	0.907	120	0.840	156	0.919	192	0.972	228	0.767	264	0.995	300	0.748	336	0.761
13	0.694	49	0.801	85	0.917	121	0.830	157	0.925	193	0.969	229	0.768	265	0.991	301	0.751	337	0.754
14	0.698	50	0.796	86	0.927	122	0.820	158	0.931	194	0.967	230	0.769	266	0.987	302	0.754	338	0.748
15	0.704	51	0.790	87	0.937	123	0.811	159	0.937	195	0.963	231	0.773	267	0.982	303	0.758	339	0.741
16	0.709	52	0.784	88	0.946	124	0.802	160	0.943	196	0.960	232	0.776	268	0.976	304	0.762	340	0.734
17	0.715	53	0.778	89	0.954	125	0.794	161	0.947	197	0.956	233	0.781	269	0.969	305	0.768	341	0.728
18	0.721	54	0.773	90	0.962	126	0.787	162	0.952	198	0.952	234	0.787	270	0.962	306	0.773	342	0.721
19	0.728	55	0.768	91	0.969	127	0.781	163	0.956	199	0.947	235	0.794	271	0.954	307	0.778	343	0.715
20	0.734	56	0.762	92	0.976	128	0.776	164	0.960	200	0.943	236	0.802	272	0.946	308	0.784	344	0.709
21	0.741	57	0.758	93	0.982	129	0.773	165	0.963	201	0.937	237	0.811	273	0.937	309	0.790	345	0.704
22	0.748	58	0.754	94	0.987	130	0.769	166	0.967	202	0.930	238	0.820	274	0.927	310	0.796	346	0.698
23	0.754	59	0.751	95	0.991	131	0.768	167	0.969	203	0.925	239	0.830	275	0.917	311	0.801	347	0.694
24	0.761	60	0.748	96	0.995	132	0.767	168	0.972	204	0.919	240	0.840	276	0.907	312	0.806	348	0.689
25	0.768	61	0.746	97	0.997	133	0.768	169	0.974	205	0.912	241	0.851	277	0.897	313	0.811	349	0.685
26	0.775	62	0.745	98	0.999	134	0.769	170	0.976	206	0.905	242	0.862	278	0.886	314	0.815	350	0.681
27	0.781	63	0.745	99	1.000	135	0.771	171	0.978	207	0.898	243	0.873	279	0.875	315	0.819	351	0.677
28	0.788	64	0.745	100	1.000	136	0.774	172	0.979	208	0.890	244	0.885	280	0.864	316	0.823	352	0.674
29	0.794	65	0.748	101	0.998	137	0.779	173	0.980	209	0.882	245	0.896	281	0.854	317	0.825	353	0.671
30	0.800	66	0.750	102	0.997	138	0.783	174	0.981	210	0.874	246	0.907	282	0.843	318	0.827	354	0.669
31	0.805	67	0.754	103	0.993	139	0.789	175	0.982	211	0.866	247	0.918	283	0.832	319	0.828	355	0.667
32	0.810	68	0.758	104	0.990	140	0.795	176	0.983	212	0.857	248	0.929	284	0.822	320	0.829	356	0.665
33	0.814	69	0.764	105	0.985	141	0.802	177	0.983	213	0.849	249	0.938	285	0.812	321	0.829	357	0.664
34	0.819	70	0.770	106	0.979	142	0.809	178	0.984	214	0.841	250	0.948	286	0.803	322	0.828	358	0.663
35	0.822	71	0.778	107	0.972	143	0.817	179	0.984	215	0.832	251	0.957	287	0.794	323	0.827	359	0.662

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AZIMUTH PATTERN Vertical Polarization

Proposal No. **C-70037**
 Date **14-Feb-17**
 Call Letters **KEYE 34**
 Frequency **593 MHz**
 Antenna Type **TFU-24GTH/VP-R O6SP**

 Gain **1.97 (2.94dB)**
Calculated

 Directinal
 Drawing # **TFU-O6SP-V**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.531	36	0.505	72	0.294	108	0.652	144	0.259	180	0.513	216	0.259	252	0.652	288	0.294
1	0.531	37	0.502	73	0.307	109	0.650	145	0.258	181	0.512	217	0.261	253	0.654	289	0.283
2	0.531	38	0.499	74	0.320	110	0.646	146	0.259	182	0.511	218	0.264	254	0.655	290	0.273
3	0.531	39	0.496	75	0.334	111	0.641	147	0.261	183	0.509	219	0.269	255	0.654	291	0.265
4	0.531	40	0.492	76	0.349	112	0.635	148	0.265	184	0.506	220	0.275	256	0.653	292	0.259
5	0.530	41	0.487	77	0.364	113	0.628	149	0.270	185	0.502	221	0.283	257	0.651	293	0.255
6	0.530	42	0.481	78	0.379	114	0.620	150	0.276	186	0.497	222	0.292	258	0.647	294	0.253
7	0.529	43	0.475	79	0.394	115	0.611	151	0.283	187	0.492	223	0.303	259	0.643	295	0.254
8	0.529	44	0.468	80	0.409	116	0.601	152	0.290	188	0.486	224	0.314	260	0.638	296	0.256
9	0.528	45	0.461	81	0.424	117	0.590	153	0.299	189	0.479	225	0.326	261	0.632	297	0.261
10	0.527	46	0.453	82	0.439	118	0.579	154	0.308	190	0.471	226	0.339	262	0.625	298	0.268
11	0.526	47	0.444	83	0.454	119	0.566	155	0.318	191	0.463	227	0.353	263	0.618	299	0.277
12	0.525	48	0.434	84	0.469	120	0.553	156	0.328	192	0.454	228	0.368	264	0.610	300	0.287
13	0.524	49	0.423	85	0.483	121	0.539	157	0.338	193	0.445	229	0.383	265	0.601	301	0.298
14	0.524	50	0.412	86	0.497	122	0.525	158	0.349	194	0.436	230	0.399	266	0.592	302	0.310
15	0.523	51	0.400	87	0.510	123	0.510	159	0.360	195	0.425	231	0.414	267	0.581	303	0.323
16	0.522	52	0.388	88	0.523	124	0.494	160	0.371	196	0.415	232	0.430	268	0.571	304	0.336
17	0.521	53	0.375	89	0.536	125	0.478	161	0.382	197	0.404	233	0.446	269	0.560	305	0.349
18	0.520	54	0.362	90	0.548	126	0.463	162	0.393	198	0.393	234	0.463	270	0.548	306	0.362
19	0.519	55	0.349	91	0.560	127	0.446	163	0.404	199	0.382	235	0.478	271	0.536	307	0.375
20	0.518	56	0.336	92	0.571	128	0.430	164	0.415	200	0.371	236	0.494	272	0.523	308	0.388
21	0.517	57	0.323	93	0.581	129	0.414	165	0.425	201	0.360	237	0.510	273	0.510	309	0.400
22	0.517	58	0.310	94	0.592	130	0.399	166	0.436	202	0.349	238	0.525	274	0.497	310	0.412
23	0.516	59	0.298	95	0.601	131	0.383	167	0.445	203	0.338	239	0.539	275	0.483	311	0.423
24	0.516	60	0.287	96	0.610	132	0.368	168	0.454	204	0.328	240	0.553	276	0.469	312	0.434
25	0.515	61	0.277	97	0.618	133	0.353	169	0.463	205	0.318	241	0.566	277	0.454	313	0.444
26	0.515	62	0.268	98	0.625	134	0.339	170	0.471	206	0.308	242	0.579	278	0.439	314	0.453
27	0.514	63	0.261	99	0.632	135	0.326	171	0.479	207	0.299	243	0.590	279	0.424	315	0.461
28	0.514	64	0.256	100	0.638	136	0.314	172	0.486	208	0.290	244	0.601	280	0.409	316	0.468
29	0.513	65	0.254	101	0.643	137	0.303	173	0.492	209	0.283	245	0.611	281	0.394	317	0.475
30	0.512	66	0.253	102	0.647	138	0.292	174	0.497	210	0.276	246	0.620	282	0.379	318	0.481
31	0.512	67	0.255	103	0.651	139	0.283	175	0.502	211	0.270	247	0.628	283	0.364	319	0.487
32	0.511	68	0.259	104	0.653	140	0.275	176	0.506	212	0.265	248	0.635	284	0.349	320	0.492
33	0.510	69	0.265	105	0.654	141	0.269	177	0.509	213	0.261	249	0.641	285	0.334	321	0.496
34	0.508	70	0.273	106	0.655	142	0.264	178	0.511	214	0.259	250	0.646	286	0.320	322	0.499
35	0.507	71	0.283	107	0.654	143	0.261	179	0.512	215	0.258	251	0.650	287	0.307	323	0.502

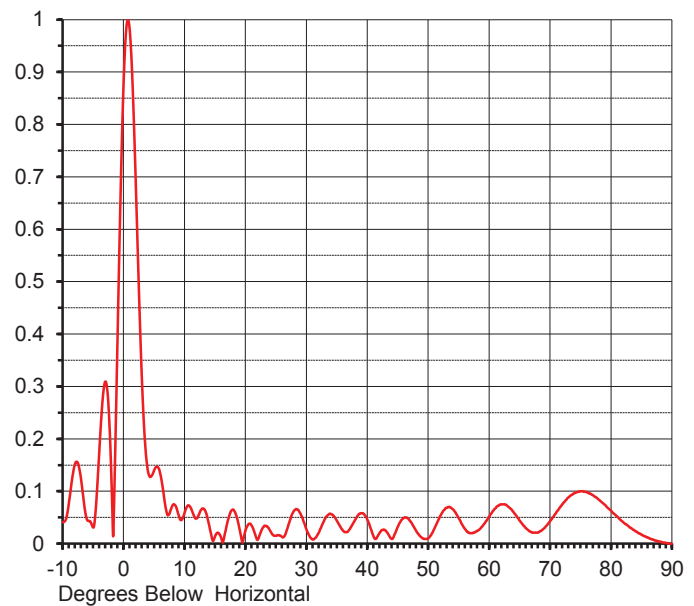
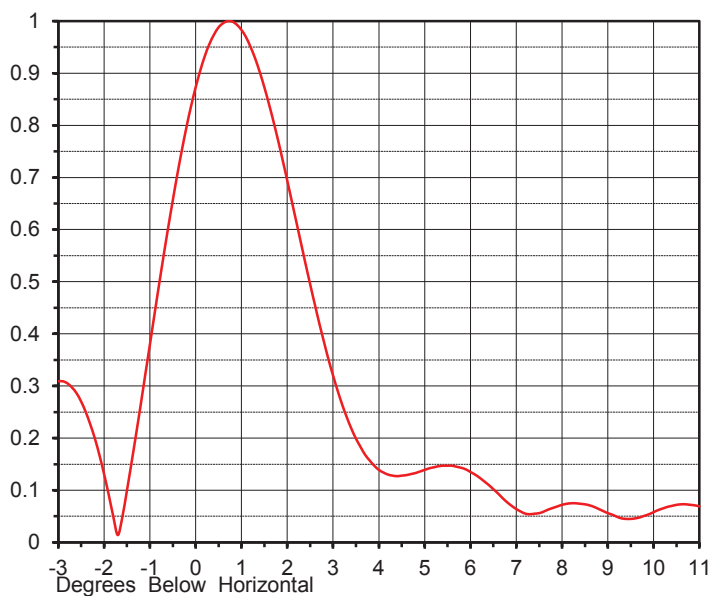
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ELEVATION PATTERN

Proposal No. **C-70037**
 Date **14-Feb-17**
 Call Letters **KEYE 34**
 Frequency **593 MHz**
 Antenna Type **TFU-24GTH/VP-R O6SP**

RMS Directivity at Main Lobe **22.00 (13.42 dB)**
 RMS Directivity at Horizontal **16.80 (12.25 dB)**
Calculated

Beam Tilt **0.75 deg**
 Drawing Number **24G220075**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.041	10.0	0.058	30.0	0.028	50.0	0.010	70.0	0.043
-9.0	0.074	11.0	0.069	31.0	0.008	51.0	0.028	71.0	0.059
-8.0	0.150	12.0	0.048	32.0	0.020	52.0	0.053	72.0	0.075
-7.0	0.126	13.0	0.067	33.0	0.046	53.0	0.068	73.0	0.088
-6.0	0.046	14.0	0.038	34.0	0.057	54.0	0.066	74.0	0.096
-5.0	0.031	15.0	0.013	35.0	0.044	55.0	0.049	75.0	0.100
-4.0	0.170	16.0	0.012	36.0	0.025	56.0	0.029	76.0	0.098
-3.0	0.309	17.0	0.038	37.0	0.026	57.0	0.020	77.0	0.093
-2.0	0.131	18.0	0.065	38.0	0.045	58.0	0.024	78.0	0.084
-1.0	0.379	19.0	0.030	39.0	0.058	59.0	0.035	79.0	0.074
0.0	0.873	20.0	0.024	40.0	0.046	60.0	0.051	80.0	0.063
1.0	0.983	21.0	0.035	41.0	0.015	61.0	0.067	81.0	0.052
2.0	0.694	22.0	0.007	42.0	0.020	62.0	0.075	82.0	0.041
3.0	0.320	23.0	0.032	43.0	0.025	63.0	0.072	83.0	0.032
4.0	0.139	24.0	0.026	44.0	0.009	64.0	0.060	84.0	0.024
5.0	0.139	25.0	0.015	45.0	0.032	65.0	0.044	85.0	0.017
6.0	0.135	26.0	0.013	46.0	0.049	66.0	0.030	86.0	0.012
7.0	0.064	27.0	0.033	47.0	0.044	67.0	0.022	87.0	0.007
8.0	0.072	28.0	0.063	48.0	0.025	68.0	0.021	88.0	0.004
9.0	0.056	29.0	0.058	49.0	0.011	69.0	0.029	89.0	0.001
								90.0	0.000

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ENVIRONMENTAL AND RADIO FREQUENCY STATEMENT OF COMPLIANCE

The KEYE-TV transmit antenna is located at a multiple-use transmitter site. In accordance with Section 1.1307(b) of the FCC Rules, "when performing an evaluation for compliance with the FCC RF guidelines all significant contributors to the ambient RF environment should be considered". As discussed below, the KEYE-TV predicted power density contribution at the multiple-use site is not considered significant and does not require consideration.

As shown on the vertical elevation pattern submitted elsewhere in this application, the relative field of the proposed antenna does not exceed a value of 0.15 at any downward direction greater than 4.0 degrees below the horizontal. Considering this worst-case downward relative field of 0.15, the subject station is predicted to produce a maximum power density of only 7.00 microwatts per square centimeter at two meters above ground level at the multiple-use transmitter site. This represents only 1.77% of the FCC Guideline value of 395.33 microwatts per square centimeter for uncontrolled RFR environments at the KEYE-TV operating frequency. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would contribute less than 5% of the uncontrolled and controlled exposure limit at the multiple use site, the proposal's power density contribution is insignificant.

KEYE-TV - Environmental and RF Safety Compliance Statement

Page 2

Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed KEYE-TV facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.



KEYE-TV - AUSTIN, TEXAS Longley-Rice Interference Analysis

tvstudy v2.2.1

Database: localhost, Study: KEYE_34_840K_DIE_PAT, Model: Longley-Rice
Start: 2017.05.10 20:37:57

Study created: 2017.05.10 20:37:53

Study build station data: LMS TV 2017-04-29 (9)

Proposal: KEYE-TV D34 DT LIC AUSTIN, TX
File number: KEYE_34_840K_DIE_PAT
Facility ID: 33691
Station data: User record
Record ID: 233
Country: U.S.
Zone: III

Records before 2017-04-13 excluded if not on baseline channel

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
KVUE	D33	DT	LIC	AUSTIN, TX	BLCDT20050624AAI	0.0 km
KTBU	D33	DT	BL	CONROE, TX	DTVBL28324	236.5
KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	449.9
KIAH	D34	DT	BL	HOUSTON, TX	DTVBL23394	237.2
KSTR-DT	D34	DT	BL	IRVING, TX	DTVBL60534	259.5
KHPF-CD	D35	DC	BL	FREDERICKSBURG, TX	DTVBL35923	104.2
KPRC-TV	D35	DT	LIC	HOUSTON, TX	BLCDT19991022ABJ	237.2

No AM stations found within 2.0 km

Record parameters as studied:

Channel: D34
Latitude: 30 19 19.30 N (NAD83)
Longitude: 97 48 12.60 W
Height AMSL: 616.0 m
HAAT: 395.0 m
Peak ERP: 840 kW
Antenna: DIE-TFU-26GTH-R O6SP 0.0 deg

40.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	453 kW	359.0 m	96.3 km
45.0	495	382.9	98.9
90.0	498	424.4	102.2
135.0	678	463.2	108.5
180.0	747	405.8	104.5
225.0	693	339.3	98.3
270.0	755	367.9	101.4
315.0	484	393.1	99.5

Database HAAT does not agree with computed HAAT

Database HAAT: 395 m Computed HAAT: 392 m

Appendix B - Interference Analysis
KEYE-TV - Austin, Texas
Channel 34 - 840 kW - Page 2

Proposal service area is within baseline plus 1.0%
 Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1838.0 km

Distance to Mexican border: 308.6 km

Conditions at FCC monitoring station: Kingsville TX
 Bearing: 181.4 degrees Distance: 320.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 330.3 degrees Distance: 1279.4 km

Study cell size: 2.00 km
 Profile resolution: 1.0 points/km

Maximum new IX to full-service and Class A: 0.50%
 Maximum new IX to LPTV: 2.00%

 Interference to BLCDT20050624AAI LIC, scenario 1
 Proposal causes no interference.

 Interference to DTVBL28324 BL, scenario 1
 Proposal causes no interference.

 Interference to BLCDT20050705AAB LIC, scenario 1
 Proposal causes no interference.

 Interference to DTVBL23394 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIAH	D34	DT	BL	HOUSTON, TX	DTVBL23394	
Undesireds:	KEYE-TV	D34	DT	BL	AUSTIN, TX	DTVBL33691	237.2 km
	KEYE-TV	D34	DT	LIC	AUSTIN, TX	KEYE_34_840K_DIE_PAT	237.2
	KTBU	D33	DT	BL	CONROE, TX	DTVBL28324	1.2
	WVLA-TV	D34	DT	LIC	BATON ROUGE, LA	BLCDT20051221AOO	415.3
	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	375.1
	KSTR-DT	D34	DT	BL	IRVING, TX	DTVBL60534	358.6
	KPRC-TV	D35	DT	LIC	HOUSTON, TX	BLCDT19991022ABJ	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36012.1 6,054,406	35956.1 6,054,161	35286.3 6,041,792	35286.3 6,041,677	-0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KEYE-TV D34 DT BL	465.2 8,315	425.1 7,975	
KEYE-TV D34 DT LIC	465.2 8,430	425.1 8,090	
KTBU D33 DT BL	60.3 1,110	44.2 1,053	
KMSS-TV D34 DT LIC	16.0 265	0.0 0	
KSTR-DT D34 DT BL	12.0 18	0.0 0	
KPRC-TV D35 DT LIC	160.4 3,001	156.3 3,001	156.3 3,001

 Interference to DTVBL60534 BL, scenario 1

Appendix B - Interference Analysis
KEYE-TV - Austin, Texas
Channel 34 - 840 kW - Page 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSTR-DT	D34	DT	BL	IRVING, TX	DTVBL60534	
Undesireds:	KEYE-TV	D34	DT	BL	AUSTIN, TX	DTVBL33691	259.5 km
	KEYE-TV	D34	DT	LIC	AUSTIN, TX	KEYE_34_840K_DIE_PAT	259.5
	KUVN-DT	D33	DT	BL	GARLAND, TX	DTVBL35841	5.2
	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	283.6
	KMYT-TV	D34	DT	BL	TULSA, OK	DTVBL54420	404.6
	KIAH	D34	DT	BL	HOUSTON, TX	DTVBL23394	358.6
	KDFW	D35	DT	LIC	DALLAS, TX	BLCDT20090508AAB	5.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
35501.5 6,616,877	35324.6 6,614,825	34842.2 6,595,807	34846.3 6,595,811	-0.01 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KEYE-TV D34 DT BL	117.0	570	108.9 534
KEYE-TV D34 DT LIC	113.0	566	104.9 530
KUVN-DT D33 DT BL	164.4	15,294	104.2 13,857
KMSS-TV D34 DT LIC	60.4	584	60.4 584
KIAH D34 DT BL	4.1	36	0.0 0
KDFW D35 DT LIC	204.9	4,007	144.7 2,570

Interference to DTVBL35923 BL, scenario 1
Proposal causes no interference.

Interference to BLCDT19991022ABJ LIC, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1
0.64% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYE-TV	D34	DT	LIC	AUSTIN, TX	KEYE_34_840K_DIE_PAT	
Undesireds:	KVUE	D33	DT	LIC	AUSTIN, TX	BLCDT20050624AAI	0.0 km
	KIAH	D34	DT	BL	HOUSTON, TX	DTVBL23394	237.2
	KSTR-DT	D34	DT	BL	IRVING, TX	DTVBL60534	259.5
	KHPF-CD	D35	DC	BL	FREDERICKSBURG, TX	DTVBL35923	104.2

Service area	Terrain-limited	IX-free	Percent IX
32239.5 2,589,033	31543.4 2,543,940	30966.7 2,527,583	1.83 0.64

Undesired	Total IX	Unique IX	Prcnt Unique IX
KIAH D34 DT BL	492.7	11,728	460.8 10,636
KSTR-DT D34 DT BL	71.7	4,982	39.8 3,890
KHPF-CD D35 DC BL	44.1	739	44.1 739