Consulting Engineers
CTJC
CARL T. JONES CORPORATION

STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
POST REPACK CONSTRUCTION PERMIT
KUQI - CORPUS CHRISTI, TEXAS
DTV - CH. 19 - 32.9 kW - 247 m HAAT

Prepared for: KUQI 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 KUQI LICENSEE, LLC, licensee of KUQI, channel 38, facility ID number 82910, licensed to Corpus Christi, 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 38 with new DTV channel 19 to be used by KUQI for its post-reassignment broadcasting.

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DIRECTIONAL ANTENNA

The applicant proposes to install a new Dielectric model TFU-18JSC/VP-R 3P260 elliptically polarized directional transmitting antenna with its center of radiation located at a height above ground of 242 meters, and a height above average terrain of 247 meters. The antenna manufacturer's 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 (39.25 dBu) contour, and the principal community (48 dBu) contour. which completely encompasses the principal community of license, Corpus Christi, 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 KUQI's proposed service area is within the baseline plus 1%.

International DTV Considerations

The KUQI site is located 186.9 kilometers from the nearest point on the US/Mexican border. Mexican DTV facilities within the coordination zone are included in the above study, which predicts no detrimental effects on any facility. (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 KUQI 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 ($\mu W/cm^2$) for an "uncontrolled" environment, and is 1000 microwatts per centimeter squared ($\mu W/cm^2$) 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, in $\mu W/cm^{2,}$ for an "uncontrolled" environment by dividing the operating frequency in MHZ by 1.500, and is similarly determined for a "controlled" environment by

dividing the operating frequency in MHZ by 0.300.

The predicted emissions of KUQI must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For KUQI, which will operate on television Channel 19 (500-506 MHZ), the MPE is 335.33 microwatts per centimeter squared ($\mu W/cm^2$) in an "uncontrolled" environment and 1,676.7 $\mu W/cm^2$ in a "controlled" environment. The proposed KUQI facility will operate with a maximum ERP of 32.9 kW from an elliptically polarized directional transmitting antenna with a centerline height of 242 meters above ground level (AGL). Considering a predicted vertical plane relative field factor of 0.300 the KUQI facility is predicted to produce a power density at two meters above ground level of 3.435 $\mu W/cm^2$, which is 1.02% of the FCC guideline value for an "uncontrolled" environment, and 0.204% of the FCC's guideline value for "controlled" environments. There are no other broadcast facilities that are located at the KUQI site. Therefore the total estimated percentage of the ANSI value at the proposed site, consists only of the contribution of KUQI, which is 1.02% of the limit applicable to "uncontrolled" environments, and 0.204% of the limit for "controlled" environments. (See Appendix A)

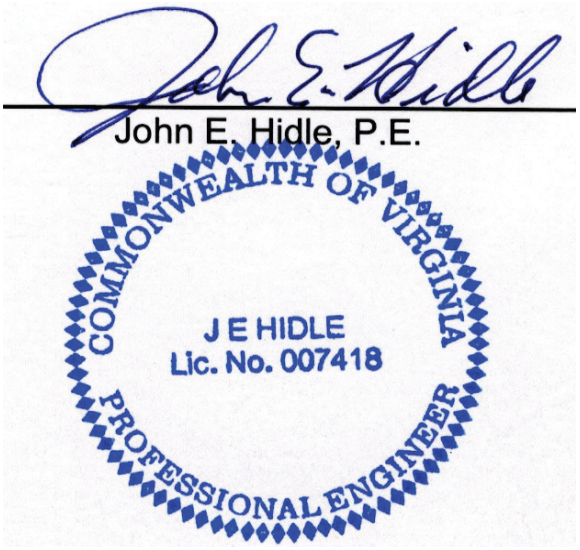
OCCUPATIONAL SAFETY

The licensee of KUQI is committed to the protection of station personnel and/or tower contractors working in the vicinity of the KUQI 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 KUQI from channel 38 to channel 19, 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 29, 2017



PREDICTED COVERAGE CONTOURS

KUQI - CORPUS CHRISTI, TEXAS
DTV Channel 19 - 32.9 kW ERP - 247 M HAAT
JUNE, 2017

Predicted Noise Limited 39.25 dBu
F(50,90) Coverage Contour

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

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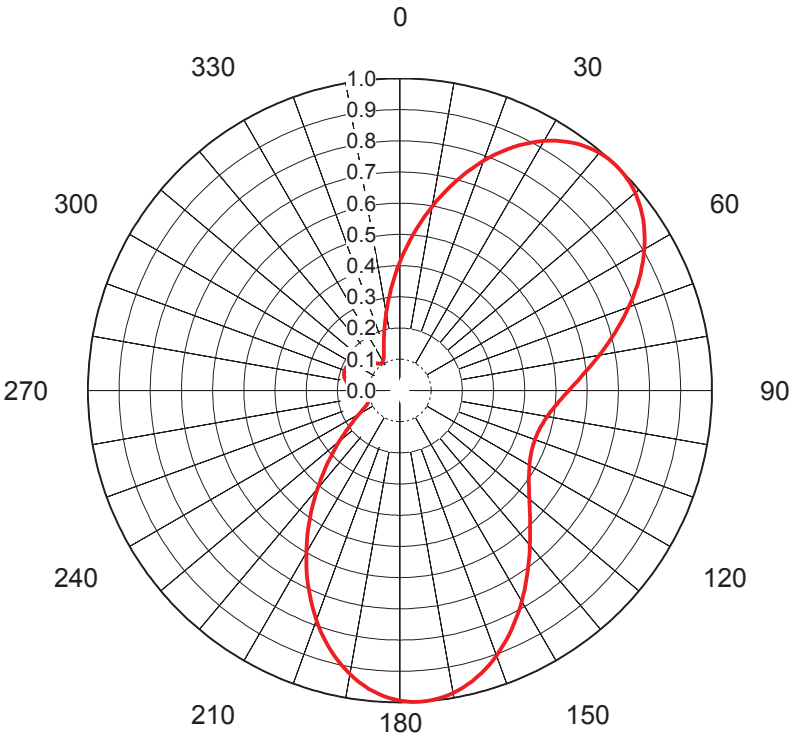
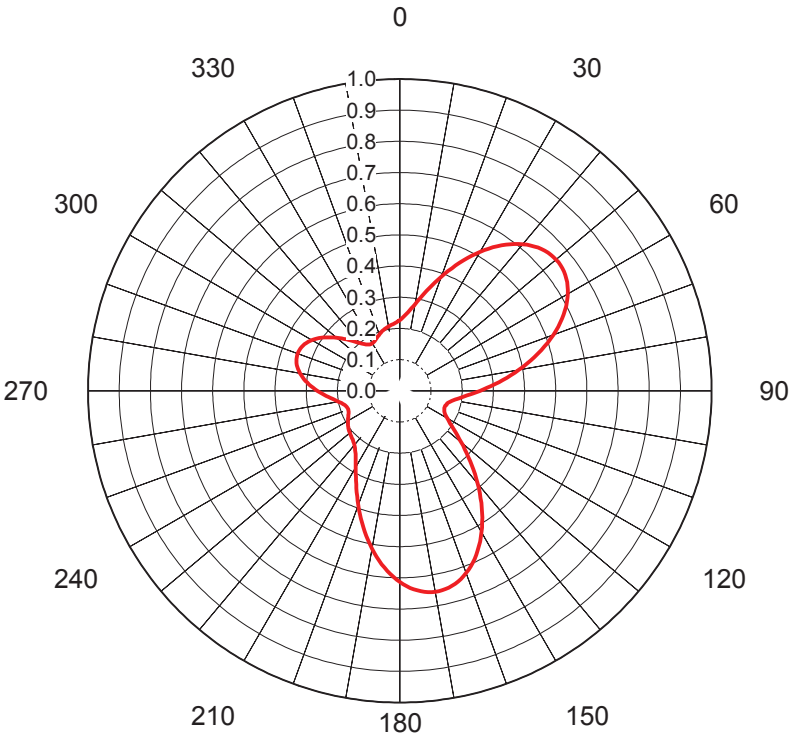


AZIMUTH PATTERN
Horizontal Polarization

Proposal No.	**C-70029**
Date	**8-Mar-17**
Call Letters	**KUQI**
Frequency	**503 MHz**
Channel	**19**
Antenna Type	**TFU-18JSC/VP-R 3P260**
Gain	**2.72 (4.35dB)**
	Calculated
Drawing #	**TFU-3P260-6170**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.411	36	0.975	72	0.754	108	0.461	144	0.700	180	0.994	216	0.485	252	0.106	288	0.188	324	0.107
1	0.429	37	0.981	73	0.740	109	0.461	145	0.713	181	0.990	217	0.466	253	0.106	289	0.188	325	0.106
2	0.447	38	0.986	74	0.727	110	0.461	146	0.727	182	0.986	218	0.447	254	0.106	290	0.189	326	0.106
3	0.466	39	0.990	75	0.713	111	0.461	147	0.740	183	0.981	219	0.429	255	0.106	291	0.188	327	0.106
4	0.485	40	0.994	76	0.700	112	0.461	148	0.754	184	0.975	220	0.411	256	0.107	292	0.188	328	0.106
5	0.504	41	0.997	77	0.687	113	0.462	149	0.767	185	0.968	221	0.393	257	0.108	293	0.187	329	0.107
6	0.523	42	0.999	78	0.674	114	0.463	150	0.781	186	0.961	222	0.376	258	0.109	294	0.186	330	0.108
7	0.542	43	0.999	79	0.661	115	0.465	151	0.794	187	0.953	223	0.359	259	0.111	295	0.185	331	0.110
8	0.561	44	1.000	80	0.648	116	0.467	152	0.807	188	0.944	224	0.342	260	0.113	296	0.184	332	0.112
9	0.580	45	0.999	81	0.636	117	0.470	153	0.820	189	0.934	225	0.326	261	0.115	297	0.182	333	0.115
10	0.600	46	0.998	82	0.624	118	0.473	154	0.833	190	0.924	226	0.310	262	0.117	298	0.180	334	0.118
11	0.619	47	0.995	83	0.612	119	0.476	155	0.846	191	0.912	227	0.295	263	0.120	299	0.178	335	0.123
12	0.638	48	0.993	84	0.601	120	0.479	156	0.859	192	0.900	228	0.280	264	0.123	300	0.175	336	0.127
13	0.657	49	0.989	85	0.590	121	0.484	157	0.871	193	0.887	229	0.267	265	0.126	301	0.173	337	0.132
14	0.676	50	0.985	86	0.579	122	0.488	158	0.883	194	0.875	230	0.253	266	0.129	302	0.170	338	0.137
15	0.694	51	0.979	87	0.570	123	0.493	159	0.894	195	0.860	231	0.240	267	0.133	303	0.167	339	0.144
16	0.713	52	0.974	88	0.560	124	0.499	160	0.905	196	0.846	232	0.227	268	0.136	304	0.164	340	0.150
17	0.731	53	0.967	89	0.551	125	0.505	161	0.915	197	0.831	233	0.216	269	0.140	305	0.160	341	0.158
18	0.749	54	0.960	90	0.542	126	0.511	162	0.925	198	0.816	234	0.204	270	0.143	306	0.157	342	0.166
19	0.766	55	0.952	91	0.533	127	0.518	163	0.935	199	0.799	235	0.194	271	0.147	307	0.154	343	0.175
20	0.783	56	0.944	92	0.525	128	0.525	164	0.944	200	0.783	236	0.184	272	0.150	308	0.150	344	0.184
21	0.799	57	0.935	93	0.518	129	0.533	165	0.952	201	0.766	237	0.175	273	0.154	309	0.147	345	0.194
22	0.816	58	0.925	94	0.511	130	0.542	166	0.960	202	0.749	238	0.166	274	0.157	310	0.143	346	0.204
23	0.831	59	0.915	95	0.505	131	0.551	167	0.967	203	0.731	239	0.158	275	0.160	311	0.140	347	0.216
24	0.846	60	0.905	96	0.499	132	0.560	168	0.974	204	0.713	240	0.150	276	0.164	312	0.136	348	0.227
25	0.860	61	0.894	97	0.493	133	0.570	169	0.979	205	0.694	241	0.144	277	0.167	313	0.133	349	0.240
26	0.875	62	0.883	98	0.488	134	0.579	170	0.985	206	0.676	242	0.137	278	0.170	314	0.129	350	0.253
27	0.887	63	0.871	99	0.484	135	0.590	171	0.989	207	0.657	243	0.132	279	0.173	315	0.126	351	0.267
28	0.900	64	0.859	100	0.479	136	0.601	172	0.993	208	0.638	244	0.127	280	0.175	316	0.123	352	0.280
29	0.912	65	0.846	101	0.476	137	0.612	173	0.995	209	0.619	245	0.123	281	0.178	317	0.120	353	0.295
30	0.924	66	0.833	102	0.473	138	0.624	174	0.998	210	0.600	246	0.118	282	0.180	318	0.117	354	0.310
31	0.934	67	0.820	103	0.470	139	0.636	175	0.999	211	0.580	247	0.115	283	0.182	319	0.115	355	0.326
32	0.944	68	0.807	104	0.467	140	0.648	176	1.000	212	0.561	248	0.112	284	0.184	320	0.113	356	0.342
33	0.953	69	0.794	105	0.465	141	0.661	177	0.999	213	0.542	249	0.110	285	0.185	321	0.111	357	0.359
34	0.961	70	0.781	106	0.463	142	0.674	178	0.999	214	0.523	250	0.108	286	0.186	322	0.109	358	0.376
35	0.968	71	0.767	107	0.462	143	0.687	179	0.997	215	0.504	251	0.107	287	0.187	323	0.108	359	0.393



AZIMUTH PATTERN
Vertical Polarization

Proposal No.	**C-70029**
Date	**8-Mar-17**
Call Letters	**KUQI**
Frequency	**503 MHz**
Channel	**19**
Antenna Type	**TFU-18JSC/VP-R 3P260**
Gain	**2.9 (4.62dB)**
	Calculated
Drawing #	**TFU-3P260-6170-V**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.227	36	0.579	72	0.499	108	0.154	144	0.445	180	0.614	216	0.242	252	0.177	288	0.348	324	0.184
1	0.230	37	0.589	73	0.486	109	0.153	145	0.459	181	0.606	217	0.238	253	0.178	289	0.349	325	0.181
2	0.234	38	0.598	74	0.472	110	0.153	146	0.472	182	0.598	218	0.234	254	0.179	290	0.349	326	0.179
3	0.238	39	0.606	75	0.459	111	0.153	147	0.486	183	0.589	219	0.230	255	0.181	291	0.349	327	0.178
4	0.242	40	0.614	76	0.445	112	0.154	148	0.499	184	0.579	220	0.227	256	0.184	292	0.348	328	0.177
5	0.248	41	0.621	77	0.431	113	0.155	149	0.512	185	0.570	221	0.224	257	0.187	293	0.347	329	0.176
6	0.253	42	0.627	78	0.417	114	0.156	150	0.524	186	0.559	222	0.222	258	0.191	294	0.345	330	0.176
7	0.260	43	0.633	79	0.402	115	0.158	151	0.536	187	0.549	223	0.220	259	0.196	295	0.343	331	0.177
8	0.267	44	0.638	80	0.388	116	0.160	152	0.548	188	0.537	224	0.218	260	0.200	296	0.340	332	0.177
9	0.274	45	0.643	81	0.374	117	0.163	153	0.559	189	0.526	225	0.216	261	0.206	297	0.337	333	0.179
10	0.282	46	0.647	82	0.360	118	0.166	154	0.570	190	0.514	226	0.215	262	0.211	298	0.333	334	0.180
11	0.291	47	0.650	83	0.346	119	0.170	155	0.580	191	0.502	227	0.213	263	0.217	299	0.329	335	0.182
12	0.300	48	0.652	84	0.333	120	0.175	156	0.590	192	0.490	228	0.212	264	0.224	300	0.325	336	0.184
13	0.310	49	0.654	85	0.319	121	0.180	157	0.599	193	0.478	229	0.211	265	0.230	301	0.320	337	0.186
14	0.320	50	0.655	86	0.306	122	0.186	158	0.607	194	0.465	230	0.210	266	0.237	302	0.315	338	0.188
15	0.331	51	0.655	87	0.293	123	0.193	159	0.615	195	0.453	231	0.208	267	0.244	303	0.310	339	0.190
16	0.342	52	0.654	88	0.281	124	0.200	160	0.622	196	0.440	232	0.207	268	0.251	304	0.304	340	0.192
17	0.354	53	0.653	89	0.269	125	0.208	161	0.629	197	0.427	233	0.205	269	0.258	305	0.298	341	0.194
18	0.365	54	0.651	90	0.257	126	0.217	162	0.635	198	0.415	234	0.204	270	0.265	306	0.292	342	0.196
19	0.377	55	0.648	91	0.246	127	0.226	163	0.640	199	0.402	235	0.202	271	0.272	307	0.285	343	0.198
20	0.390	56	0.644	92	0.236	128	0.236	164	0.644	200	0.390	236	0.200	272	0.278	308	0.278	344	0.200
21	0.402	57	0.640	93	0.226	129	0.246	165	0.648	201	0.377	237	0.198	273	0.285	309	0.272	345	0.202
22	0.415	58	0.635	94	0.217	130	0.257	166	0.651	202	0.365	238	0.196	274	0.292	310	0.265	346	0.204
23	0.427	59	0.629	95	0.208	131	0.269	167	0.653	203	0.354	239	0.194	275	0.298	311	0.258	347	0.205
24	0.440	60	0.622	96	0.200	132	0.281	168	0.654	204	0.342	240	0.192	276	0.304	312	0.251	348	0.207
25	0.453	61	0.615	97	0.193	133	0.293	169	0.655	205	0.331	241	0.190	277	0.310	313	0.244	349	0.208
26	0.465	62	0.607	98	0.186	134	0.306	170	0.655	206	0.320	242	0.188	278	0.315	314	0.237	350	0.210
27	0.478	63	0.599	99	0.180	135	0.319	171	0.654	207	0.310	243	0.186	279	0.320	315	0.230	351	0.211
28	0.490	64	0.590	100	0.175	136	0.333	172	0.652	208	0.300	244	0.184	280	0.325	316	0.224	352	0.212
29	0.502	65	0.580	101	0.170	137	0.346	173	0.650	209	0.291	245	0.182	281	0.329	317	0.217	353	0.213
30	0.514	66	0.570	102	0.166	138	0.360	174	0.647	210	0.282	246	0.180	282	0.333	318	0.211	354	0.215
31	0.526	67	0.559	103	0.163	139	0.374	175	0.643	211	0.274	247	0.179	283	0.337	319	0.206	355	0.216
32	0.537	68	0.548	104	0.160	140	0.388	176	0.638	212	0.267	248	0.177	284	0.340	320	0.200	356	0.218
33	0.549	69	0.536	105	0.158	141	0.402	177	0.633	213	0.260	249	0.177	285	0.343	321	0.196	357	0.220
34	0.559	70	0.524	106	0.156	142	0.417	178	0.627	214	0.253	250	0.176	286	0.345	322	0.191	358	0.222
35	0.570	71	0.512	107	0.157	143	0.431	179	0.621	215	0.248	251	0.176	287	0.347	323	0.187	359	0.224

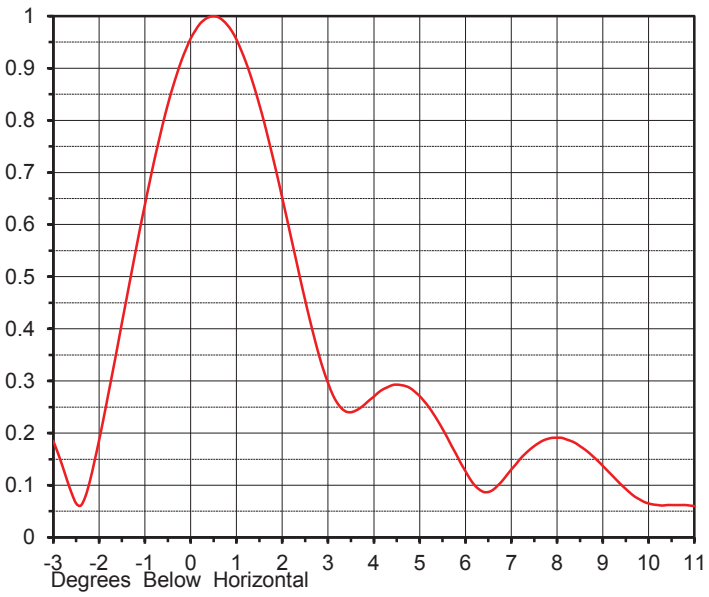
Dielectric®

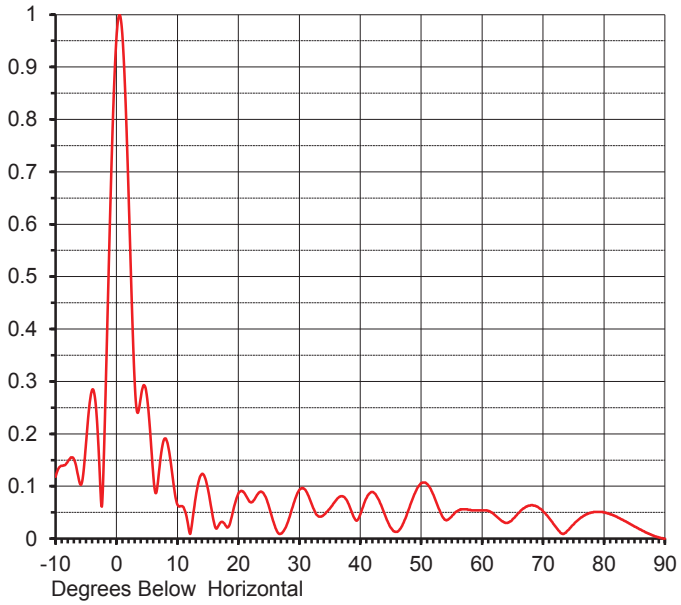
ELEVATION PATTERN

Proposal No.	**C-70029**
Date	**8-Mar-17**
Call Letters	**KUQI**
Frequency	**503 MHz**
Channel	**19**
Antenna Type	**TFU-18JSC/VP-R 3P260**

RMS Directivity at Main Lobe **17.50 (12.43 dB)**
RMS Directivity at Horizontal **16.00 (12.04 dB)**
Calculated

Beam Tilt **0.50 deg**
Drawing Number **18Z175050**





Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.118	10.0	0.065	30.0	0.093	50.0	0.106	70.0	0.052
-9.0	0.139	11.0	0.060	31.0	0.093	51.0	0.104	71.0	0.039
-8.0	0.147	12.0	0.011	32.0	0.067	52.0	0.084	72.0	0.024
-7.0	0.152	13.0	0.079	33.0	0.044	53.0	0.055	73.0	0.010
-6.0	0.105	14.0	0.123	34.0	0.045	54.0	0.036	74.0	0.015
-5.0	0.182	15.0	0.095	35.0	0.057	55.0	0.042	75.0	0.027
-4.0	0.284	16.0	0.031	36.0	0.073	56.0	0.053	76.0	0.038
-3.0	0.185	17.0	0.030	37.0	0.081	57.0	0.056	77.0	0.046
-2.0	0.186	18.0	0.024	38.0	0.068	58.0	0.055	78.0	0.050
-1.0	0.638	19.0	0.046	39.0	0.040	59.0	0.054	79.0	0.051
0.0	0.957	20.0	0.086	40.0	0.046	60.0	0.054	80.0	0.050
1.0	0.955	21.0	0.087	41.0	0.077	61.0	0.053	81.0	0.047
2.0	0.651	22.0	0.070	42.0	0.089	62.0	0.046	82.0	0.042
3.0	0.296	23.0	0.082	43.0	0.075	63.0	0.036	83.0	0.036
4.0	0.270	24.0	0.088	44.0	0.047	64.0	0.030	84.0	0.030
5.0	0.271	25.0	0.062	45.0	0.021	65.0	0.037	85.0	0.023
6.0	0.127	26.0	0.024	46.0	0.013	66.0	0.049	86.0	0.017
7.0	0.130	27.0	0.010	47.0	0.028	67.0	0.059	87.0	0.011
8.0	0.191	28.0	0.028	48.0	0.057	68.0	0.064	88.0	0.006
9.0	0.137	29.0	0.064	49.0	0.087	69.0	0.061	89.0	0.002
								90.0	0.000

SUMMARY OF RADIOFREQUENCY
RADIATION STUDY
KUQI, Corpus Christi, TX
Channel 19, 32.9 kW, 247 m HAAT
May, 2017

CALL	SERVICE	CHANNEL	FREQUENCY	POLAR-IZATION	ANTENNA HEIGHT	ERP (kW)	VERT. RELATIVE FIELD FACTOR	WORST-CASE PREDICTED POWER DENSITY (μW/cm²)	FCC UNCONTROLLED LIMIT (μW/cm²)	PERCENT OF UNCONTROLLED LIMIT
KUQI	DT	19	503	H & V	242	32.900	0.300	3.435	335.33	1.02%
								TOTAL PERCENTAGE OF FCC GUIDELINE VALUE =		1.02%

** For television stations a very conservative vertical relative field factor of 0.3 was assumed pursuant to OET Bulletin 65.*

Consulting Engineers
CTJC
CARL T. JONES CORPORATION

KUQI - CORPUS CHRISTI, TEXAS
Longley-Rice Interference Analysis

```
tvstudy v2.2.2
Database: localhost,  Study: KUQI_19_DIE_247H_32P9K,  Model: Longley-Rice
Start: 2017.06.23 13:54:24

Study created: 2017.06.23 13:54:19

Study build station data: LMS TV 2017-06-21 (19)

    Proposal: KUQI D19 DT APP CORPUS CHRISTI, TX
 File number: KUQI_19_DIE_247H_32P9K
 Facility ID: 82910
Station data: User record
   Record ID: 696
     Country: U.S.
        Zone: II

Non-U.S. records included

Stations potentially affected:
```

Call	Chan	Svc	Status	City, State	File Number	Distance
KNIC-DT	D18	DT	LIC	BLANCO, TX	BLCDT20091019ADG	232.7 km
KGBT-TV	D18	DT	BL	HARLINGEN, TX	DTVBL34457	180.2
KGBS-CD	D19	DC	LIC	AUSTIN, TX	BLDTL20141118ARA	285.2
KTXH	D19	DT	LIC	HOUSTON, TX	BLCDT20090804ABC	286.4
KLDO-TV	D19	DT	LIC	LAREDO, TX	BLCDT20110421ABF	197.2
KAVU-TV	D20	DT	BL	VICTORIA, TX	DTVBL73101	129.6
XHWX	D19	DT	LIC	MONTERREY, NL	BLANKBPFS20160309AAV	358.9
XERV	D19	DT	LIC	REYNOSA, TA	BLANKBPFS20160318ABA	203.2

```
No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D19
   Latitude:  27 45 32.90 N (NAD83)
  Longitude:  97 36 27.30 W
Height AMSL: 260.6 m
       HAAT: 247.0 m
   Peak ERP: 32.9 kW
    Antenna: NEW DIE-TFU-18JSC VP-R 3P260 0.0 deg

39.3 dBu contour:
```

Azimuth	ERP	HAAT	Distance
0.0 deg	5.56 kW	247.5 m	61.3 km
45.0	32.7	248.1	70.4
90.0	9.66	247.8	64.2
135.0	11.6	248.0	65.1
180.0	32.5	244.7	70.2
225.0	3.63	243.3	58.8
270.0	0.673	238.3	49.9
315.0	0.539	236.1	48.7

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7901 Yarnwood Court, Springfield, Virginia 22153-2827 (703) 569-7704 Fax: (703) 569-6417

```
Database HAAT does not agree with computed HAAT
Database HAAT: 247 m   Computed HAAT: 244 m

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

Distance to Canadian border: 2047.7 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 186.9 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 217.7 degrees   Distance: 44.5 km
ERP: 6.80 kW   Field strength: 79.7 dBu, 9.6 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 335.0 degrees   Distance: 1541.3 km

No land mobile station failures found

Study cell size: 2.00 km
Profile point spacing: 1.00 km

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

-------------------------------------------------------------------------------------------------------
Interference to BLCDT20091019ADG LIC, scenario 1
Proposal causes no interference.

-------------------------------------------------------------------------------------------------------
Interference to BLCDT20091019ADG LIC, scenario 2
Proposal causes no interference.

-------------------------------------------------------------------------------------------------------
Interference to DTVBL34457 BL, scenario 1
Proposal causes no interference.

-------------------------------------------------------------------------------------------------------
Interference to BLDTL20141118ARA LIC, scenario 1
Proposal causes no interference.

-------------------------------------------------------------------------------------------------------
Interference to BLCDT20090804ABC LIC, scenario 1
Proposal causes no interference.

-------------------------------------------------------------------------------------------------------
Interference to BLCDT20090804ABC LIC, scenario 2
Proposal causes no interference.

-------------------------------------------------------------------------------------------------------
Interference to BLCDT20090804ABC LIC, scenario 3
Proposal causes no interference.

-------------------------------------------------------------------------------------------------------
Interference to BLCDT20090804ABC LIC, scenario 4
Proposal causes no interference.
```

Appendix B - Interference Analysis
KUQI - Corpus Christi, Texas
Channel 19 - 32.9 kW - Page 3

Interference to BLCDT20110421ABF LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL73101 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL73101 BL, scenario 2
Proposal causes no interference.

Interference to BLANKBPFS20160309AAV LIC, scenario 1
Proposal causes no interference.

Interference to BLANKBPFS20160318ABA LIC, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUQI	D19	DT	APP	CORPUS CHRISTI, TX	KUQI_19_DIE_247H_32P9K	
Undesireds:	KGBS-CD	D19	DC	LIC	AUSTIN, TX	BLDTL20141118ARA	285.2 km
	KTXH	D19	DT	LIC	HOUSTON, TX	BLCDT20090804ABC	286.4
	KLDO-TV	D19	DT	LIC	LAREDO, TX	BLCDT20110421ABF	197.2
	KAVU-TV	D20	DT	BL	VICTORIA, TX	DTVBL73101	129.6
	XHWX	D19	DT	LIC	MONTERREY, NL	BLANKBPFS20160309AAV	358.9
	XERV	D19	DT	LIC	REYNOSA, TA	BLANKBPFS20160318ABA	203.2

Service area		Terrain-limited		IX-free		Percent IX	
11856.7	497,019	11856.7	497,019	11856.7	497,019	0.00	0.00