

ENGINEERING STATEMENT
RE DTV BROADCAST ENGINEERING DATA
APPLICATION FOR MODIFICATION OF LICENSE
(FCC FILE NO. BLCDT-20030813AAU)
ON BEHALF OF
KHLS, INC., LICENSEE OF
KIKU-DT, HONOLULU, HAWAII
CHANNEL 19 215.9 KW MAX DA ERP 606 METERS HAAT

JUNE 2008

COHEN, DIPPELL AND EVERIST, P.C.
CONSULTING ENGINEERS
RADIO AND TELEVISION
WASHINGTON, D.C.

COHEN, DIPPELL AND EVERIST, P. C.

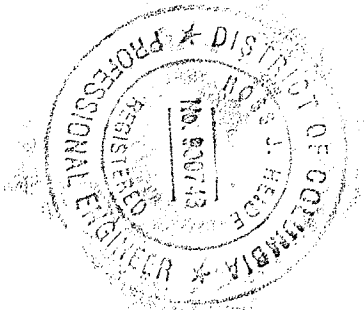
City of Washington)
) ss
District of Columbia)


Ross J. Heide, being duly sworn upon his oath, deposes and states that:

He is a graduate of the Massachusetts Institute of Technology in Operations Research and Management Science, a Registered Professional Engineer in the District of Columbia, and employed by Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

That the attached engineering report was prepared by him or under his supervision and direction and

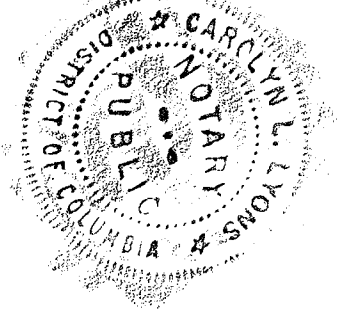
That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.






Ross J. Heide
District of Columbia
Professional Engineer
Registration No. PE900748

Subscribed and sworn to before me this 18th day of June, 2008.





Notary Public

My Commission Expires: 2/28/2013

This engineering statement has been prepared in support of an application for license modification (FCC File No. BLC DT-20030813AAU) on behalf of KHLS, Inc., licensee of KIKU-DT, Honolulu, Hawaii. The purpose of this application is to better replicate the currently licensed Grade B service with the KIKU-DT post-transition facilities using 215.9 kW directional effective radiated power (“ERP”) from the authorized top-mounted antenna at 606 meters height above average terrain (“HAAT”).

KIKU-TV is licensed to operate on NTSC television Channel 20 with a maximum visual ERP of 468 kW directional and a HAAT of 606 meters. KIKU-DT has been allocated DTV Channel 19 with facilities of 60.7 kW directional ERP and HAAT of 606 meters in the final DTV Table of Allotments.¹ These are the facilities for which KIKU is currently licensed. KIKU-DT proposes herein to modify these licensed DTV facilities to operate with 215.9 kW (directional) using the existing antenna in its current location. No other changes are proposed.

Lifting of the Application Filing Freeze June 20, 2008

An allocation study from the proposed site has been performed as the predicted F(50,90) 41 dBu contour of the proposed DTV facilities at the currently authorized site are not expected to be entirely within the predicted F(50,90) 41 dBu contour of the KIKU-DT facility in the final DTV Table of Allotments in the Memorandum Opinion and Order. However, the proposed operation does

¹“In the Matter of Advanced Television Systems and Their Impact Upon the Existing Television Broadcast Service”, MM Docket 87-268, Memorandum Opinion and Order on Reconsideration of the Seventh Report and Order and Eighth Report & Order (FCC 08-72) Appendix B, Released March 6, 2008.

not exceed the 0.5% additional interference standard to any station in the final DTV Table of Allotments in the Memorandum Opinion and Order.

The proposed operation is predicted to serve approximately 789,400 persons in an area of 19,420 square kilometers, which is approximately 100.2% of the population served by the KIKU-DT facility in the final DTV Table of Allotments in the Memorandum Opinion and Order.

There are no AM stations located within 3.2 km of the proposed KIKU-DT tower site. There are seven FM stations transmitting from the same site.

The existing DTV antenna is top-mounted on the tower. The KIKU-DT antenna will remain located on an existing tower having a total overall structure height above ground of 73 meters (239.5 feet). The existing transmitter site is located on Palikea Ridge, 4 km SE of Palikea, Hawaii. The registration number for the existing tower is 1031769.

Since there will be no change in overall height, FAA airspace approval is not required. Exhibit E-1 is a vertical sketch of the existing tower and the proposed transmitting antenna.

The geographic coordinates of the proposed site are as follows:

North Latitude: 21° 23' 51.4"

West Longitude: 158° 06' 0.9"

NAD-27

Equipment Data

Antenna: Andrew, Model ALP12L2-HSD-19 horizontally polarized (or equivalent) antenna with 0.5° electrical beam tilt. The vertical plane pattern and other exhibits required by Section 73.625(c) are herein included as Exhibit E-2.

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Transmission Line: 87 meters (285 ft) of Andrew, Type LDF7-50, 1-5/8" foam dielectric coaxial cable (or equivalent)

Power Data

Transmitter output	4.1 kW	6.13 dBk
Total Transmission line efficiency/loss	71.6%	1.45 dB
Input power to the antenna	2.94 kW	4.68 dBk
Antenna power gain, Main Lobe	73.45	18.66 dB
Maximum Effective Radiated Power	215.9 kW	23.34 dBk

Elevation Data

Vertical dimension for Channel 19 antenna	9.4 meters 30.8 feet
Overall height above ground of the existing antenna structure (including beacon and lightning rod)	73 meters 239.5 feet
Center of radiation of Channel 19 antenna above ground	68 meters 223.1 feet
Elevation of site above mean sea level	701 meters 2300 feet
Center of radiation of Channel 19 antenna above mean sea level	769 meters 2523 feet
Overall height above mean sea level of existing tower and stacked antenna (including beacon)	774 meters 2539.4 feet
Antenna height above average terrain	606 meters

Note: Slight height differences may result due to conversion to metric.

Allocation

An allocation study from the proposed site has been performed since the proposed DTV facilities exceed that listed in Appendix B. According to the FCC's database (CDBS) as of June 13, 2008, there are no DTV or Class A stations potentially affected by the proposed operation of KIKU.

Coverage

The average elevation data for 3.2 to 16.1 km along each radial are based upon NGDC 3-second terrain data. The F(50,90) DTV coverage contour has been computed from reference to the propagation data for Channels 14-69, as published by the FCC in Figure 10b and Figure 10c, Section 73.699 of the FCC Rules and Regulations. Utilizing the formula in Section 73.625(b)(2) of the Rules for the effective heights, it is found that the depression angle, A_h , varies from 0.42 to 0.76 degrees. Since the relative vertical field is greater than 90% of the maximum at these depression angles, the maximum power was used in determining the distance to the DTV contour.

Table I includes the distances to the 48 and 41 dBu F(50,90) coverage contours, the average elevation 3.2 to 16.1 km, and the antenna heights above average terrain and the directional ERP of 215.9 kW every 10 degrees beginning with true north. Exhibit E-3 provides the 48 and 41 dBu F(50,90) coverage contours and demonstrates that the community of license is covered by the F(50,90) 48 dBu contour.

FCC Rule, Section 1.1307

The proposed operation based upon the current OET Bulletin No. 65, Edition No. 97-01, dated August 1997 and Supplement A is predicted to cause 3.3% of the radiofrequency (RFF) guideline for controlled access and 16.1% of the RFF guidelines for unrestricted access (general public).

However, seven FM stations transmit from the same tower using a 14-bay master antenna. The site operator, Cox Radio, Inc., had RFF measurements made at the site in 2005. The licensee states that the measured RFF levels exceed the general public guidelines, but not the controlled access guideline at several points within the restricted fenced area.

The above measurements were made with both the analog and DTV transmitters operating at full authorized power. Even with post-transition DTV operation at a higher power, the total RFF contribution by KIKU will decrease with cessation of the analog operation.

According to the licensee, the site operator has:

- has posted the necessary signage
- notifies and trains all employees and contractors that have access to the site
- has established procedures to prevent public access to the restricted areas

Authorized personnel and rigging contractors will be alerted to the potential zone of high field levels on the tower, and if necessary, the station will operate with reduced power or terminate the operation of the transmitter as appropriate when it is necessary for authorized personnel or

contractors to perform work on the tower. Workers and the general public, therefore, will not be subjected to RFF levels in excess of the current FCC guidelines.

Environmental Assessment

An environmental assessment ("EA") is categorically excluded under Section 1.1306 of the FCC Rules and Regulations as the tower was constructed prior to the requirements specified in WT Docket No. 03-128 and the licensee indicates:

- (a)(1) The existing tower is not located in an officially designated wilderness area.
- (a)(2) The existing tower is not located in an officially designated wildlife preserve.
- (a)(3) The proposed facilities will not affect any listed threatened or endangered species or habitats.
- (a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
- (a)(4) The proposed facilities located on a tower which was built prior to the adoption of WT Docket No. 03-128 and is grandfathered and has not affected any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The existing tower is not located near any known Indian religious sites.
- (a)(6) The existing tower is not located in a flood plain.
- (a)(7) The installation of the DTV facilities on an existing guyed tower will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to modify the tower lighting unless required by the FAA.

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- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines contained in OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A.

ABOVE GROUND

73 meters (239.5')

C/R 68 meters (223.1')

41 meters (134.5')

0 m. (0')

NOT TO SCALE

ABOVE MEAN SEA LEVEL

77 meters (2539.4')

769 meters (2523.1') C/R
KIKU-DT ANTENNA

742 meters (2434.4')
MASTER FM ANTENNA

ASRN 1031769

GUYED TOWER

701 meters (2300')

EXHIBIT E - 1
VERTICAL SKETCH
FOR THE PROPOSED DTV CHANNEL 19 OPERATION OF
KIKU-DT, HONOLULU, HAWAII

JUNE 2008

COHEN, DIPPELL and EVERIST, P.C. Consulting Engineers

TABLE I
DTV COVERAGE DATA
FOR PROPOSED OPERATION OF
KIKU-DT, HONOLULU, HAWAII
CHANNEL 19 215.9 KW ERP 606 METERS HAAT
JUNE 2008

<u>Radial</u> N ° E, T	<u>Average*</u>	<u>Effective</u>	<u>Depression</u>	<u>ERP</u> kW	<u>Distance to Contour</u>	
	<u>Elevation</u> meters	<u>Height</u> meters	<u>Angle</u> degrees		<u>48 dBu</u> km	<u>41 dBu</u> km
0	384.1	384.9	0.543	5.7	58.3	67.3
10	353.6	415.4	0.565	7.0	60.8	70.6
20	346.7	422.3	0.569	10.3	63.4	73.5
30	304.5	464.5	0.597	15.4	67.8	78.3
40	284.7	484.3	0.610	21.3	70.5	81.2
50	252.4	516.6	0.630	28.9	73.6	85.0
60	221.9	547.1	0.648	44.1	77.8	90.2
70	181.4	587.6	0.671	76.2	83.8	97.2
80	125.1	643.9	0.703	130.3	90.4	104.0
90	83.8	685.2	0.725	189.1	95.0	109.0
100	69.8	699.2	0.732	215.9	96.6	110.8
110	62.4	706.6	0.736	189.1	95.7	109.9
120	52.9	716.1	0.741	130.3	92.8	106.9
130	59.1	709.9	0.738	76.2	88.0	101.9
140	80.4	688.6	0.727	44.1	82.8	96.4
150	111.1	657.9	0.710	28.9	78.5	91.8
160	139.9	629.1	0.695	21.4	75.5	88.2
170	156.5	612.5	0.686	15.4	72.6	84.9
180	164.6	604.4	0.681	10.3	69.6	81.4
190	185.2	583.8	0.669	7.0	66.4	77.6
200	193.5	575.5	0.665	5.7	64.8	75.8
210	252.9	516.1	0.629	5.0	62.3	72.6
220	241.4	527.6	0.636	3.8	60.9	71.1
230	214.9	554.1	0.652	2.0	57.9	67.9
240	67.5	701.5	0.734	1.0	56.5	67.3
250	53.5	715.5	0.741	1.2	58.1	68.9
260	81.6	687.4	0.726	3.3	64.1	75.2
270	175.7	593.3	0.675	7.2	66.9	78.3
280	114.7	654.3	0.709	9.4	70.3	82.3

TABLE I
DTV COVERAGE DATA
FOR PROPOSED OPERATION OF
KIKU-DT, HONOLULU, HAWAII
CHANNEL 19 215.9 KW ERP 606 METERS HAAT
JUNE 2008
 (continued)

<u>Radial</u> N ° E, T	<u>Average*</u> <u>Elevation</u>	<u>Effective</u> <u>Height</u>	<u>Depression</u> <u>Angle</u>	<u>ERP</u> kW	<u>Distance to Contour</u>	
	meters	meters	degrees		48 dBu km	41 dBu km
290	64.7	704.3	0.735	7.2	69.7	81.6
300	52.0	717.0	0.742	3.3	64.7	75.9
310	145.7	623.3	0.692	1.2	56.3	66.8
320	266.9	502.1	0.621	1.0	52.4	62.1
330	346.4	422.6	0.569	2.0	53.9	63.4
340	533.1	235.9	0.425	3.8	48.3	56.7
350	408.1	360.9	0.526	5.0	56.5	65.2

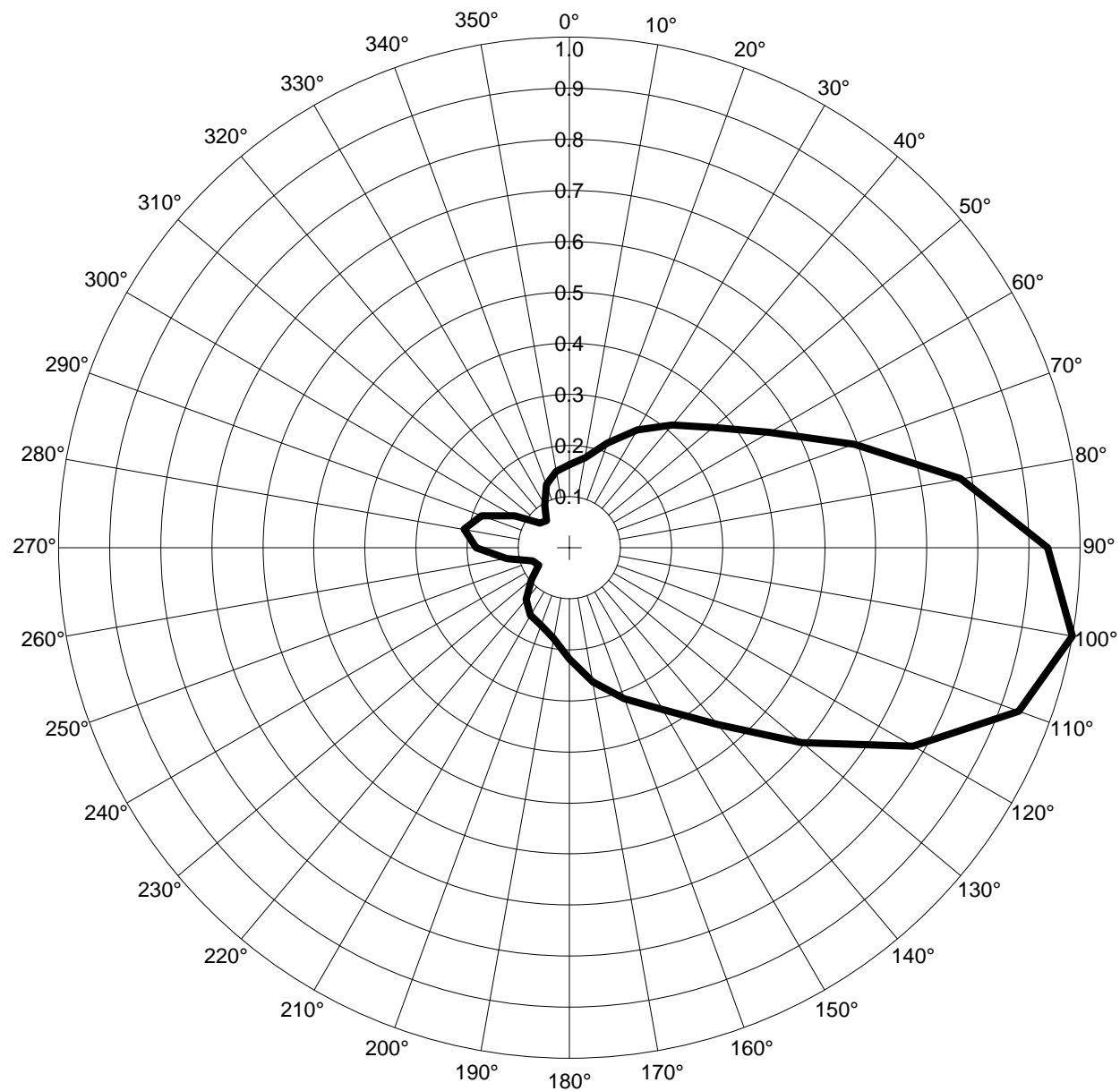
*Based on data from FCC 3-second data base.

DTV Channel 19 (500-506 MHz)
 Average Elevation 3.2 to 16.1 km 163 meters AMSL
 Center of Radiation 769 meters AMSL
 Antenna Height Above Average Terrain 606 meters
 Effective Radiated Power 215.9 kW (23.34 dBk) Max

North Latitude: 21° 23' 51.4"
 West Longitude: 158° 06' 0.9"

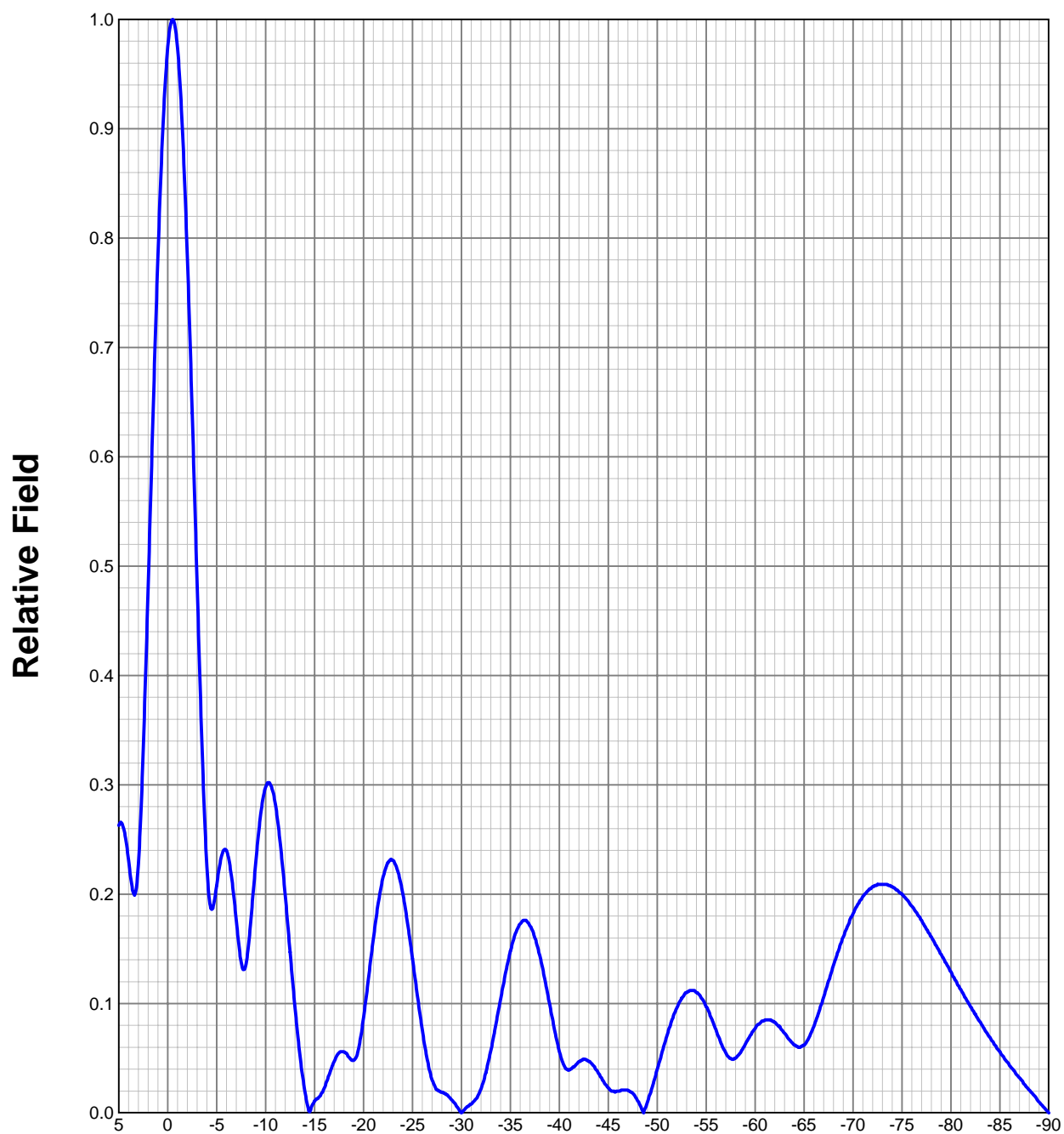
(NAD-27)

HORIZONTAL PLANE PATTERN



Relative Intensity

Pattern file: KIKU MOO.pat

ELEVATION PATTERN**Type:****ALP12M2****Channel:****19****Directivity:****Numeric****dBd****Location:****Honolulu, HI****Main Lobe:****12.64****11.02****Beam Tilt:****-0.50****Horizontal:****12.02****10.80****Polarization:****Horizontal***Preliminary, subject to final design and review.*

TABULATED DATA FOR ELEVATION PATTERN

Type: ALP12M2

Polarization: Horizontal

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
5.00	0.263	-11.60	-6.75	0.198	-14.07	-27.00	0.030	-30.46	-50.50	0.056	-25.04	-74.00	0.207	-13.68
4.75	0.266	-11.52	-7.00	0.176	-15.09	-27.50	0.021	-33.56	-51.00	0.071	-22.97	-74.50	0.204	-13.81
4.50	0.260	-11.70	-7.25	0.155	-16.19	-28.00	0.019	-34.42	-51.50	0.085	-21.41	-75.00	0.200	-13.98
4.25	0.248	-12.11	-7.50	0.138	-17.20	-28.50	0.017	-35.39	-52.00	0.096	-20.35	-75.50	0.195	-14.20
4.00	0.231	-12.73	-7.75	0.131	-17.65	-29.00	0.012	-38.42	-52.50	0.105	-19.58	-76.00	0.189	-14.47
3.75	0.213	-13.43	-8.00	0.136	-17.33	-29.50	0.006	-44.44	-53.00	0.110	-19.17	-76.50	0.183	-14.75
3.50	0.201	-13.94	-8.25	0.153	-16.28	-30.00	0.000	-40.00	-53.50	0.112	-19.02	-77.00	0.176	-15.09
3.25	0.204	-13.83	-8.50	0.177	-15.04	-30.50	0.005	-46.02	-54.00	0.110	-19.17	-77.50	0.168	-15.49
3.00	0.227	-12.88	-8.75	0.204	-13.81	-31.00	0.008	-41.94	-54.50	0.105	-19.58	-78.00	0.161	-15.86
2.75	0.272	-11.29	-9.00	0.230	-12.77	-31.50	0.013	-37.72	-55.00	0.097	-20.26	-78.50	0.153	-16.31
2.50	0.333	-9.55	-9.25	0.254	-11.92	-32.00	0.022	-33.15	-55.50	0.087	-21.21	-79.00	0.145	-16.77
2.25	0.404	-7.86	-9.50	0.274	-11.24	-32.50	0.037	-28.64	-56.00	0.076	-22.38	-79.50	0.137	-17.27
2.00	0.481	-6.36	-9.75	0.288	-10.80	-33.00	0.057	-24.88	-56.50	0.064	-23.88	-80.00	0.129	-17.79
1.75	0.560	-5.03	-10.00	0.298	-10.52	-33.50	0.080	-21.94	-57.00	0.055	-25.19	-80.50	0.121	-18.34
1.50	0.639	-3.89	-10.50	0.300	-10.46	-34.00	0.104	-19.66	-57.50	0.050	-26.02	-81.00	0.113	-18.94
1.25	0.714	-2.92	-11.00	0.282	-11.00	-34.50	0.128	-17.86	-58.00	0.050	-26.02	-81.50	0.105	-19.58
1.00	0.784	-2.11	-11.50	0.246	-12.18	-35.00	0.148	-16.59	-58.50	0.055	-25.19	-82.00	0.097	-20.26
0.75	0.847	-1.45	-12.00	0.199	-14.02	-35.50	0.164	-15.70	-59.00	0.063	-24.01	-82.50	0.090	-20.92
0.50	0.900	-0.92	-12.50	0.147	-16.65	-36.00	0.173	-15.24	-59.50	0.071	-22.97	-83.00	0.083	-21.62
0.25	0.943	-0.51	-13.00	0.096	-20.35	-36.50	0.176	-15.09	-60.00	0.077	-22.27	-83.50	0.075	-22.50
0.00	0.975	-0.22	-13.50	0.053	-25.51	-37.00	0.171	-15.34	-60.50	0.082	-21.72	-84.00	0.069	-23.22
-0.25	0.994	-0.06	-14.00	0.020	-33.98	-37.50	0.160	-15.92	-61.00	0.085	-21.41	-84.50	0.062	-24.15
-0.50	1.000	0.00	-14.50	0.001	-60.00	-38.00	0.144	-16.83	-61.50	0.085	-21.41	-85.00	0.056	-25.04
-0.75	0.993	-0.06	-15.00	0.011	-39.17	-38.50	0.123	-18.20	-62.00	0.083	-21.62	-85.50	0.049	-26.20
-1.00	0.974	-0.23	-15.50	0.015	-36.48	-39.00	0.100	-20.00	-62.50	0.079	-22.05	-86.00	0.043	-27.33
-1.25	0.942	-0.52	-16.00	0.023	-32.77	-39.50	0.076	-22.38	-63.00	0.073	-22.73	-86.50	0.038	-28.40
-1.50	0.899	-0.92	-16.50	0.035	-29.12	-40.00	0.056	-25.04	-63.50	0.067	-23.48	-87.00	0.032	-29.90
-1.75	0.845	-1.46	-17.00	0.047	-26.56	-40.50	0.043	-27.33	-64.00	0.062	-24.15	-87.50	0.026	-31.70
-2.00	0.783	-2.12	-17.50	0.055	-25.19	-41.00	0.039	-28.18	-64.50	0.060	-24.44	-88.00	0.021	-33.56
-2.25	0.714	-2.92	-18.00	0.056	-25.04	-41.50	0.042	-27.54	-65.00	0.062	-24.15	-88.50	0.016	-35.92
-2.50	0.640	-3.88	-18.50	0.051	-25.85	-42.00	0.047	-26.56	-65.50	0.069	-23.22	-89.00	0.010	-40.00
-2.75	0.562	-5.01	-19.00	0.048	-26.38	-42.50	0.049	-26.20	-66.00	0.079	-22.05	-89.50	0.005	-46.02
-3.00	0.484	-6.30	-19.50	0.059	-24.58	-43.00	0.047	-26.56	-66.50	0.092	-20.72	-90.00	0.000	-40.00
-3.25	0.407	-7.81	-20.00	0.087	-21.21	-43.50	0.043	-27.33	-67.00	0.106	-19.49			
-3.50	0.336	-9.47	-20.50	0.123	-18.20	-44.00	0.036	-28.87	-67.50	0.121	-18.34			
-3.75	0.273	-11.26	-21.00	0.159	-15.97	-44.50	0.029	-30.75	-68.00	0.135	-17.39			
-4.00	0.225	-12.96	-21.50	0.192	-14.33	-45.00	0.023	-32.77	-68.50	0.148	-16.59			
-4.25	0.195	-14.20	-22.00	0.216	-13.31	-45.50	0.020	-33.98	-69.00	0.161	-15.86			
-4.50	0.186	-14.61	-22.50	0.229	-12.80	-46.00	0.020	-33.98	-69.50	0.172	-15.29			
-4.75	0.194	-14.27	-23.00	0.231	-12.73	-46.50	0.021	-33.56	-70.00	0.182	-14.80			
-5.00	0.208	-13.64	-23.50	0.221	-13.11	-47.00	0.021	-33.56	-70.50	0.191	-14.38			
-5.25	0.224	-13.01	-24.00	0.201	-13.94	-47.50	0.018	-34.89	-71.00	0.198	-14.07			
-5.50	0.235	-12.58	-24.50	0.173	-15.24	-48.00	0.011	-39.17	-71.50	0.203	-13.85			
-5.75	0.240	-12.38	-25.00	0.141	-17.02	-48.50	0.002	-53.98	-72.00	0.207	-13.68			
-6.00	0.240	-12.40	-25.50	0.107	-19.41	-49.00	0.010	-40.00	-72.50	0.209	-13.60			
-6.25	0.232	-12.71	-26.00	0.076	-22.38	-49.50	0.024	-32.40	-73.00	0.209	-13.60			
-6.50	0.217	-13.27	-26.50	0.049	-26.20	-50.00	0.040	-27.96	-73.50	0.209	-13.60			

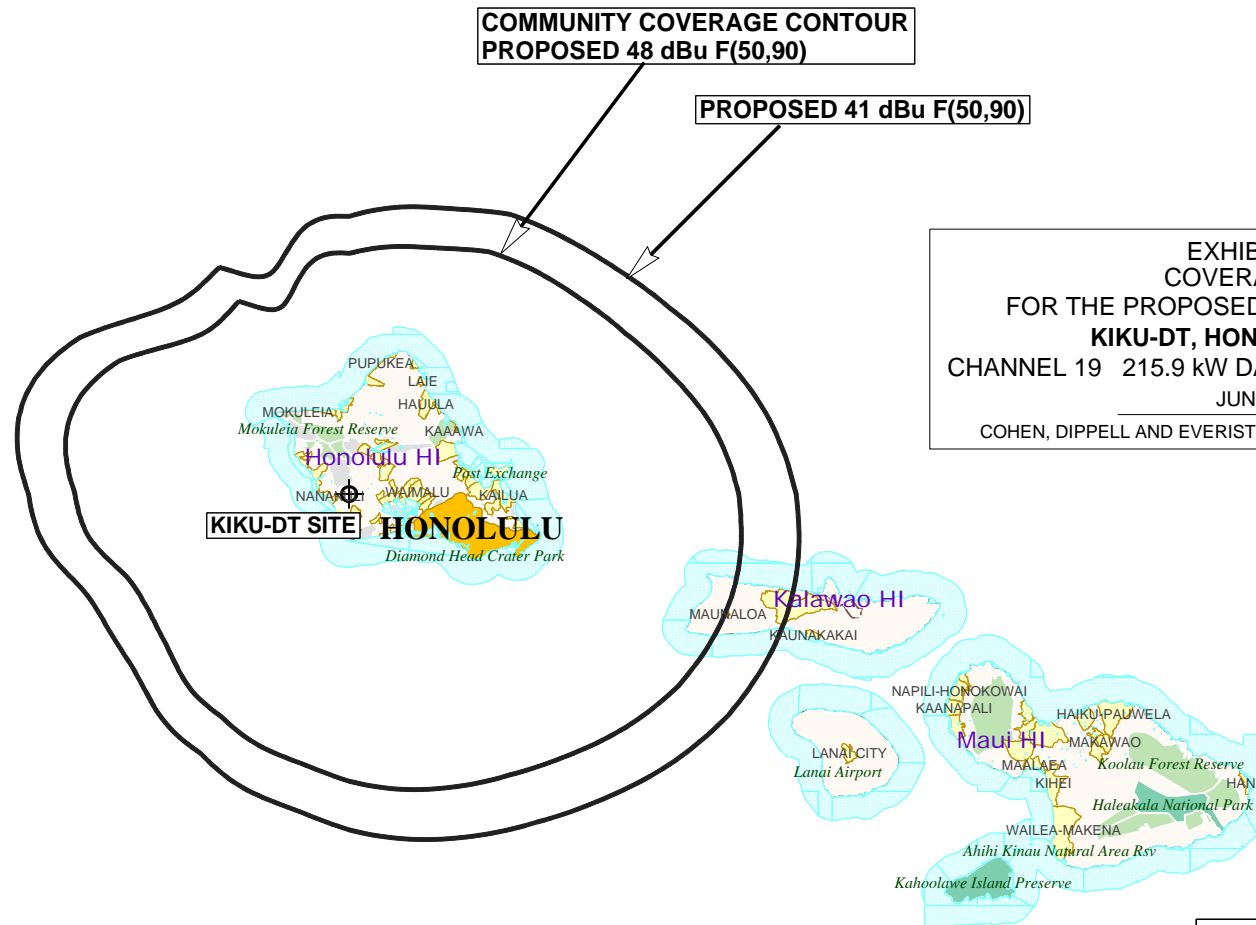
Preliminary, subject to final design and review.



COMMUNITY COVERAGE CONTOUR
PROPOSED 48 dBu F(50,90)

PROPOSED 41 dBu F(50,90)

EXHIBIT E - 3
COVERAGE MAP
FOR THE PROPOSED DTV OPERATION OF
KIKU-DT, HONOLULU, HAWAII
JUNE 2008
COHEN, DIPPELL AND EVERIST, P.C. CONSULTING ENGINEERS



0 20 40 60
Kilometers

CREATED WITH MAPTITUDE(R) GIS FOR WINDOWS FROM CALIPER CORPORATION

SECTION III - D - DTV Engineering

Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.

Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction pen-nit application to modify pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.

1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:
 - (a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"). ☐ Yes ☐ No
☐ N/A
 - (e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B. ☐ Yes ☐ No
☐ N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RIF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. ☐ Yes ☐ No

Applicant must **submit the Exhibit** called for in Item 13.

3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community. ☐ Yes ☐ No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable. ☐ Yes ☐ No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require reregistration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7. ☐ Yes ☐ No

SECTION III - D DTV Engineering

TECHNICAL SPECIFICATIONS Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Channel Number: DTV _____ Analog TV, if any _____
2. Zone: ☐ I ☐ II ☐ III
3. Antenna Location Coordinates: (NAD 27)
- _____ ° _____ ' _____ " ☐ N ☐ S Latitude
_____ ° _____ ' _____ " ☐ E ☐ W Longitude
4. Antenna Structure Registration Number: _____
- ☐ Not applicable ☐ FAA Notification Filed with FAA
5. Antenna Location Site Elevation Above Mean Sea Level: _____ meters
6. Overall Tower Height Above Ground Level: _____ meters
7. Height of Radiation Center Above Ground Level: _____ meters
8. Height of Radiation Center Above Average Terrain: _____ meters
9. Maximum Effective Radiated Power (average power): _____ kW
10. Antenna Specifications:
- a.

Manufacturer	Model
--------------	-------
- b. Electrical Beam Tilt: _____ degrees ☐ Not Applicable
- c. Mechanical Beam Tilt: _____ degrees toward azimuth _____ degrees True ☐ Not Applicable
- Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). Exhibit No.
- d. Polarization: ☐ Horizontal ☐ Circular ☐ Elliptical

TECH BOX

e. Directional Antenna Relative Field Values:

☐

Not applicable (Nondirectional)

Rotation: _____

☐

No rotation

Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value
0		60		120		180		240		300	
10		70		130		190		250		310	
20		80		140		200		260		320	
30		90		150		210		270		330	
40		100		160		220		280		340	
50		110		170		230		290		350	
Additional Azimuths											

If a directional antenna is proposed, the requirements of 47 C.F.R. Section 73.625(c) must be satisfied. **Exhibit required.**

Exhibit No.

11. Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if **Certification Checklist** Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616?

☐

Yes

☐

No

If "No," attach as an Exhibit justification therefore, including a summary of any related previously granted waivers.

Exhibit No.

12. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if **Certification Checklist** Item 3 is answered "No.")

Exhibit No.

13. **Environmental Protection Act. Submit in an Exhibit** the following:

Exhibit No.

- a. If **Certification Checklist Item 2** is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site.

By checking "Yes" to **Certification Checklist Item 2**, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radio frequency electromagnetic exposure in excess of FCC guidelines.

If **Certification Checklist Item 2** is answered "No," an Environmental Assessment as required by 47 C.F.R. Section 1.1311.

PREPARER'S CERTIFICATION IN SECTION III MUST BE COMPLETED AND SIGNED.

13. **Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments.** If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. Section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.

☐ Yes ☐ No ☐ N/A

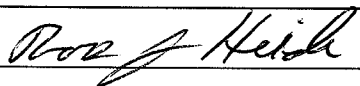
I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in 'good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION III PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name Ross J. Heide	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature 	Date June 18, 2008	
Mailing Address Cohen, Dippell and Everist, P.C, 1300 L Street, NW Suite 1100		
City Washington	State or Country (if foreign address) DC	ZIP Code 20005
Telephone Number (include area code) (202) 898-0111	E-Mail Address (if available) cde@attglobal.net	

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