

EXHIBIT E-1
TECHNICAL STATEMENT
K297AX HONOLULU, HAWAII
KONA COAST RADIO, LLC
FEBRUARY 2008
FCC FORM 349

This Technical Statement is submitted in support of an FCC application for a minor change of a Construction Permit for K297AX Honolulu, Facility ID 153520, BMPFT-20080204ACN. K297AX seeks to change its proposed site to an existing tower site, near the town of Kaneohe, Hawaii.

The proposed K297AX will operate with an Effective Radiated Power of 0.09 kilowatts both Horizontal and Vertical polarization. It proposes to use a Nicom Model BKG 77 one bay antenna mounted at 10 meters above ground and 167 meters Above Mean Sea Level. This is also 75 meters Height Above Average Terrain. It also proposes to “one step” channel change from channel 297D to channel 298D.

Figure 1 shows a channel spacing study conducted from the proposed site for K297AX on channel 298D. It shows that the only pertinent station of concern for potential interference that requires further study is 2nd adjacent stations, KGMZ-FM Aiea, Hawaii on channel 300C. This station operates from the Palehua Ridge electronics site, and operates with a directional antenna and with 100 KW ERP.

The only other record of concern is the original allotment point application filed by Shamrock Communications for a new FM station on channel 295A at Nanakuli, Hawaii. However, this channel was ultimately awarded to Big D Consulting, Inc. in FM Broadcast auction 62. A CP has been issued to Bid D Consulting for channel 294C2 at Nanakuli, Hawaii, KNAN, Facility ID 165992. It was approved to “one-step” channel

change the original allotment at Nanakuli from channel 295A to channel 294C2. This application record appears to be a leftover record from this auction, and thus, need not be protected.

The proposed operation of K297AX is located within the protected 60 dBu contour of second adjacent channel station KGMZ-FM, as mentioned above. The predicted (F50,50) field strength of KGMZ-FM at the proposed K297AX transmitter site is 85.1 dB μ , see figure 2. Therefore, the respective predicted interfering contour generated by the proposed K297AX is 125.1 dB μ . This interfering contour extends less than 44 meters from the proposed transmit antenna.

Figure 3 shows a U.S.G.S topographical map that shows that there are no homes located with the 125.1 dB μ contour of the proposed K297AX. There are several monopole type towers at this location, all relatively short in height. There are several equipment shelters located at the base of these towers and poles, however all of the shelters are un-occupied, with only occasional visits from service personnel. The access road to this site is closed to the public from a locked gate. The closest occupied homes are located greater than 300 meters from the proposed site.

The proposed one bay antenna will be mounted at 10 meters above ground on a 19.5 meter long supporting tower. The Center of Radiation will be 167 meters Above Mean Sea Level.

Since the predicted interference contour towards KGMZ-FM will be a maximum of 43 meters, in any direction, there will be no population located within the area of potential interference to KGMZ-FM. Figure 5 is a population cell map, which also shows that there is no population within the 125.1 dB μ contour.

The applicant, Kona Coast Radio, LLC, respectfully request a waiver of C.F.R. 74.1024(d) of the commission rules based on there is no population within the area of predicted interference.

Let it be noted however, that should any real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. Section 74.1203.

Figure 7 shows a table of the predicted distances to contours for K297AX for the pertinent contours of this study.

Figure 8 shows a table of the predicted distance to contours for KGMZ-FM Aiea, HI operating on channel 300C.

Figure 6 shows that the new proposed 60 dbu operation of K297AX will overlap with the existing proposed 60 dbu contour of K297AX specified in its current construction permit, for which it now seeks to modify, as well as the original Construction Permit for K296FV Honolulu, Hawaii, BNPFT-20030829AXI. All with the Facility ID number 153520. This application specifies the same location as the original CP location for K296FV, but seeks to operate on channel 298D to reduce potential interference and operate with a non-directional antenna system.

It was concluded that the new proposed operation of K297AX Honolulu will not cause any harmful interference to any existing stations, and will be in full compliance with the commission rules for FM translator stations.

EXHIBIT E-1, FIGURE 1, INTERFERENCE STUDY

K297AX HONOLULU, CHANNEL 298D

REFERENCE CH# 298D - 107.5 MHz, Pwr= 0.09 kW, HAAT= 74.8 M, COR= 167 M DISPLAY DATES
21 25 32.0 N. DATA 02-19-08
157 45 35.0 W. Average Protected F(50-50)= 8.69 km SEARCH 02-20-08

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
300C Aiea	KGMZ-FM	LIC	DEN	265.0 84.9	35.45 BLH19920828KG	21 23 51.0 158 06 01.0	100.000 599	14.2 742	93.5 Salem Media Of Hawaii, Inc	15.77	-58.73*
297D Honolulu	K297AX *	CP	_C_	178.3 358.3	10.55 BMPFT20080204ACN	21 19 49.0 157 45 24.0	0.010	23.3 747	14.7 Kona Coast Radio, LLC.	-18.28*	-11.93*
295A Nanakuli	AP4070	APP	___	264.7 84.6	35.38 BSFH20050811ADP	21 23 45.0 158 05 58.0	6.000 100	3.2 234	33.5 Shamrock Communications, I	26.71	1.25
298C3 Kihei	KHEI-FM	CP	DCX	114.5 295.0	172.88 BMPH20071005ADP	20 46 31.0 156 14 49.0	0.200 955	107.0 2099	40.1 Visionary Related Entertai	52.92	89.84

Terrain database is USGS 03 SEC Distance + R = 73.215 or FCC Spacings in KM, Distance + M = Margin in KM
Contour distances are on direct line to and from reference station. Reference zone = 2. With 3rd Adj Channels.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
**"affixed to 'IN' or 'OUT' values = site inside protected contour.

* Construction Permit being modified by this application

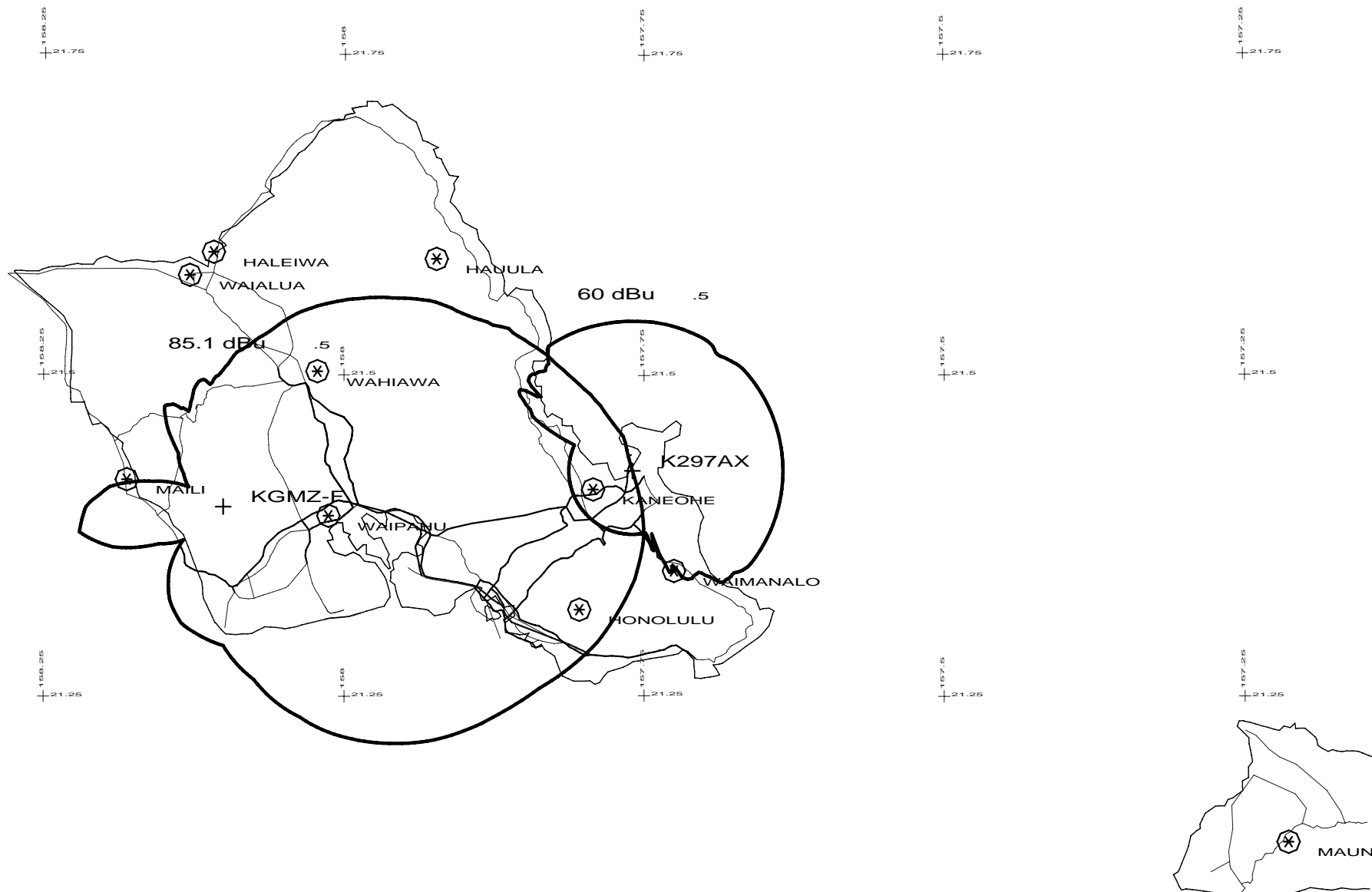


EXHIBIT E-1, FIGURE 2, OVERLAP WITH KGMZ

<p>Scale in km</p>	<p>K297AX 298D .09kW 167M AMSL</p> <p>N. Lat. 21 25 32 W. Lng. 157 45 35</p>	<p>K297AX</p> <p>- 02/08</p>
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www.delorme.com

Scale 1 : 12,800
1" = 1070 ft

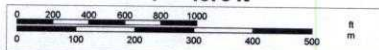


EXHIBIT E-1 FIGURE 5, POPULATION CELL MAP

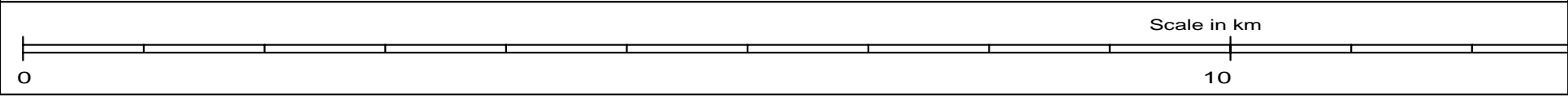
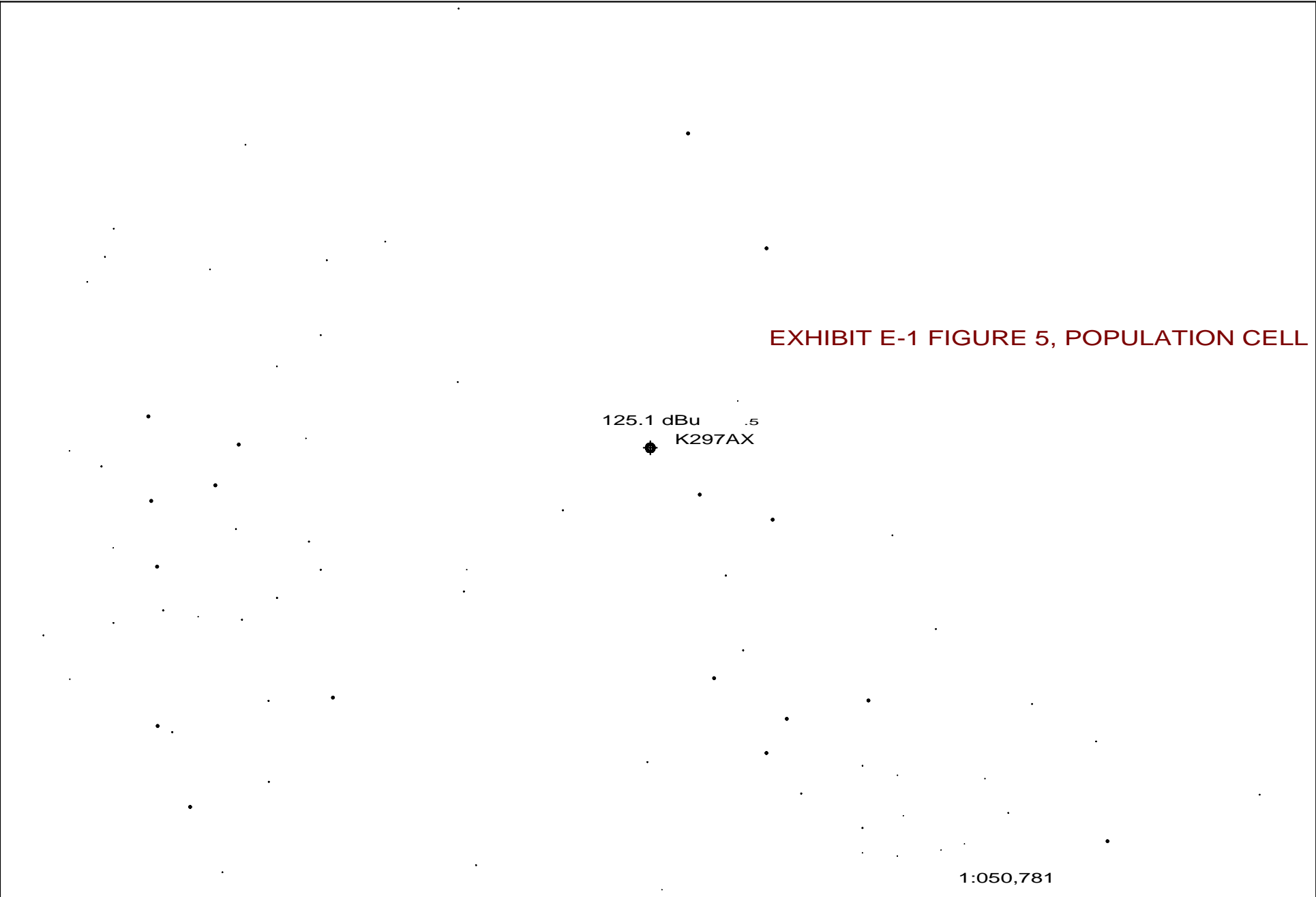
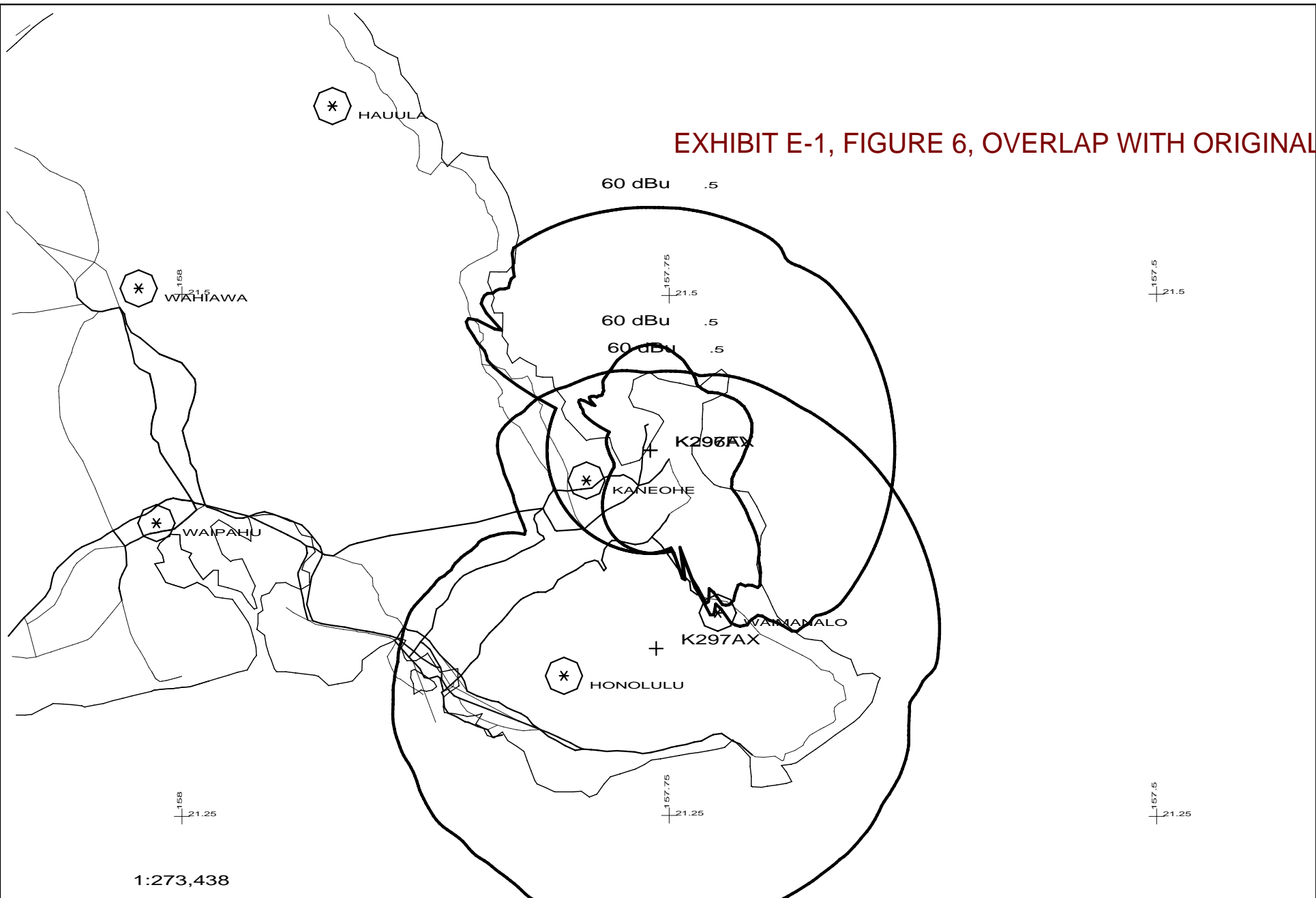
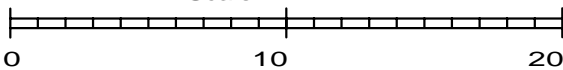


EXHIBIT E-1, FIGURE 6, OVERLAP WITH ORIGINAL CP



1:273,438

Scale in km



K297AX 298D .09kW 167M AMSL

N. Lat. 21 25 32 W. Lng. 157 45 35

K297AX

- 02/08

Contour.out

N. Lat. = 212532.0 W. Lng. = 1574535.0
HAAT and Distance to Contour - FCC Method - USGS 03 SEC

EXHIBIT E-1, FIGURE 7, DISTANCE TO CONTOURS, K297AX
Azi. AV EL HAAT dBk 60-F5 125.1-F1

000	1.4	165.6	-10.46	12.93	0.04
010	0.2	166.8	-10.46	12.98	0.04
020	0.1	166.9	-10.46	12.98	0.04
030	1.0	166.0	-10.46	12.95	0.04
040	7.9	159.1	-10.46	12.65	0.04
050	0.0	167.0	-10.46	12.98	0.04
060	0.0	167.0	-10.46	12.99	0.04
070	0.0	167.0	-10.46	12.99	0.04
080	0.0	167.0	-10.46	12.99	0.04
090	0.0	167.0	-10.46	12.99	0.04
100	0.0	167.0	-10.46	12.99	0.04
110	0.0	167.0	-10.46	12.99	0.04
120	0.2	166.8	-10.46	12.98	0.04
130	1.0	166.0	-10.46	12.94	0.04
140	13.7	153.3	-10.46	12.40	0.04
150	56.9	110.1	-10.46	10.53	0.04
160	81.2	85.8	-10.46	9.32	0.04
170	161.6	5.4	-10.46	5.49	0.04
180	181.5	-14.4	-10.46	5.49	0.04
190	185.0	-18.0	-10.46	5.49	0.04
200	233.1	-66.1	-10.46	5.49	0.04
210	272.7	-105.7	-10.46	5.49	0.04
220	202.8	-35.8	-10.46	5.49	0.04
230	173.3	-6.3	-10.46	5.49	0.04
240	258.5	-91.5	-10.46	5.49	0.04
250	218.0	-51.0	-10.46	5.49	0.04
260	259.3	-92.3	-10.46	5.49	0.04
270	267.3	-100.3	-10.46	5.49	0.04
280	218.9	-51.9	-10.46	5.49	0.04
290	175.0	-8.0	-10.46	5.49	0.04
300	67.0	100.0	-10.46	10.05	0.04
310	36.9	130.1	-10.46	11.38	0.04
320	31.3	135.7	-10.46	11.62	0.04
330	0.0	167.0	-10.46	12.99	0.04
340	0.3	166.7	-10.46	12.97	0.04
350	1.1	165.9	-10.46	12.94	0.04

Ave EI = 86.31 M HAAT= 80.69 M AMSL= 167

Contour.out

N. Lat. = 212351.0 W. Lng. = 1580601.0
HAAT and Distance to Contour - FCC Method - USGS 03 SEC

EXHIBIT E-1, FIGURE 8, DISTANCE TO CONTOURS, KGMZ
Azi. AV EL HAAT dBk 60-F5 85.1-F5

000	453.8	288.2	8.13	45.43	11.82
010	398.0	344.0	10.10	53.19	14.37
020	331.2	410.8	12.04	61.43	17.56
030	290.1	451.9	13.98	68.66	20.58
040	259.1	482.9	15.71	75.35	23.53
050	224.8	517.2	16.96	80.67	26.31
060	191.8	550.2	18.33	85.73	29.43
070	163.2	578.8	19.37	89.50	32.18
080	107.4	634.6	19.96	93.03	35.05
090	69.0	673.0	19.91	94.40	36.12
100	39.5	702.5	19.46	94.42	36.07
110	30.0	712.0	18.49	92.40	34.33
120	35.4	706.6	17.15	89.03	31.47
130	41.7	700.3	15.92	85.94	29.14
140	40.1	701.9	14.24	82.01	26.57
150	51.7	690.3	12.04	76.19	23.33
160	51.6	690.4	8.94	68.43	19.39
170	57.8	684.2	5.58	60.13	15.19
180	52.0	690.0	2.61	53.63	12.01
190	52.4	689.6	1.94	52.12	11.36
200	52.4	689.6	1.21	50.50	10.68
210	46.1	695.9	-0.45	46.99	9.25
220	41.1	700.9	-3.10	41.36	7.24
230	41.0	701.0	-7.96	31.31	4.49
240	26.4	715.6	-4.44	38.97	6.42
250	5.5	736.5	0.42	50.27	10.15
260	10.2	731.8	2.92	55.68	12.60
270	25.2	716.8	2.28	53.77	11.84
280	58.2	683.8	0.42	48.53	9.94
290	37.9	704.1	-4.44	38.63	6.40
300	49.5	692.5	-10.46	26.99	3.44
310	98.2	643.8	-7.96	29.89	4.45
320	240.7	501.3	-4.44	31.79	5.97
330	298.6	443.4	2.28	42.18	10.05
340	503.7	238.3	4.61	35.79	8.75
350	434.4	307.6	6.44	43.32	11.08

Ave EI = 136.38 M HAAT= 605.62 M AMSL= 742 M