

ENGINEERING STATEMENT

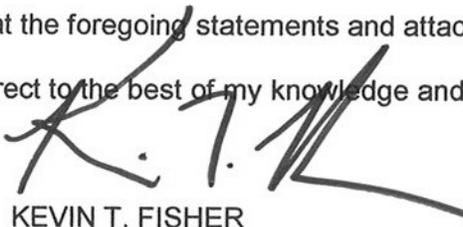
The engineering data contained herein have been prepared on behalf of PACIFICA BROADCASTING COMPANY ("Pacifica"), licensee of non-commercial KALO(TV) in Honolulu, Hawaii, in support of this supplement to its pending digital television application for KALO-DT on Channel 10 (BPEDT-20000501AFZ). The purpose of this filing is to provide the Commission with additional details regarding interference protection of the FCC's Monitoring Station in Waipahu, Hawaii.

The Waipahu facility is located at a site described by the following coordinates: 21-22-33.6 N, 157-59-44.1 W. It is 11.0 kilometers from the proposed KALO-DT tower, at a bearing of 101.5 degrees true. Exhibits B and C are operating parameters and antenna pattern data for the proposed KALO-DT facility.

We have conducted a Longley-Rice coverage analysis (based on the methodology in the FCC's OET Bulletin No. 69) for the KALO-DT facility and find that the predicted signal strength at the Commission's Waipahu Monitoring Station would be 98.9 dBu. It should be noted that there are no significant terrain obstacles between the two sites.

Pacifica is willing to work with the FCC to assure an absence of interference from the operation of KALO-DT to the Waipahu Monitoring Station.

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



KEVIN T. FISHER

June 23, 2005

EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED KALO-DT
CHANNEL 10 - HONOLULU, HAWAII
[AMENDMENT TO BPEDT-20000501AFZ]

SMITH AND FISHER

ELEVATION PATTERN

TYPE:	ATW6V2H	
Directivity:	Numeric	dBd
Main Lobe:	6.00	7.78
Horizontal:	5.95	7.75
Beam Tilt:	0.50	
Polarization:	Horizontal	
Frequency:	10 (Digital)	
Location:	Honolulu, HI	

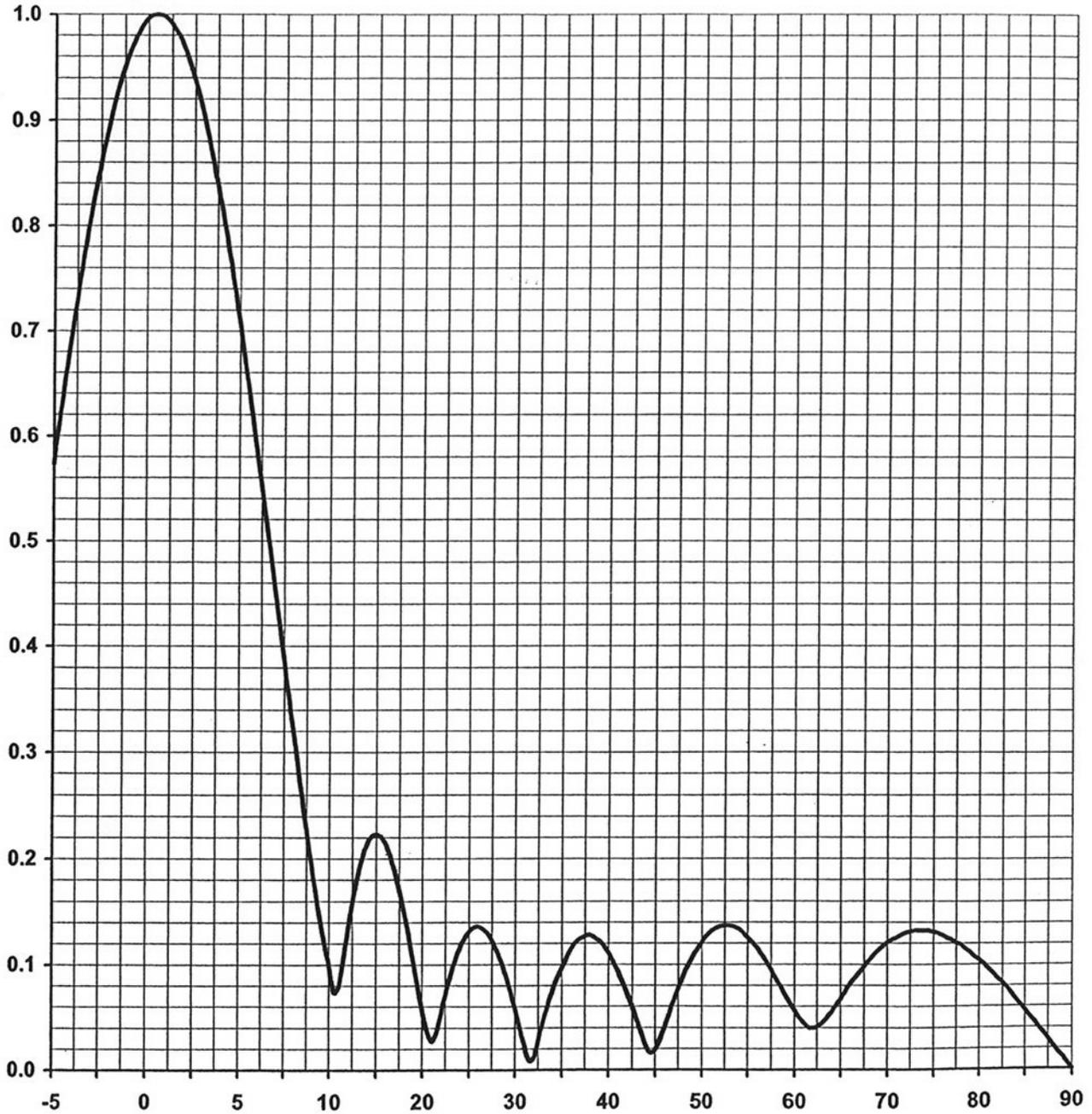


EXHIBIT B-2

ANTENNA AZMUTH PATTERN

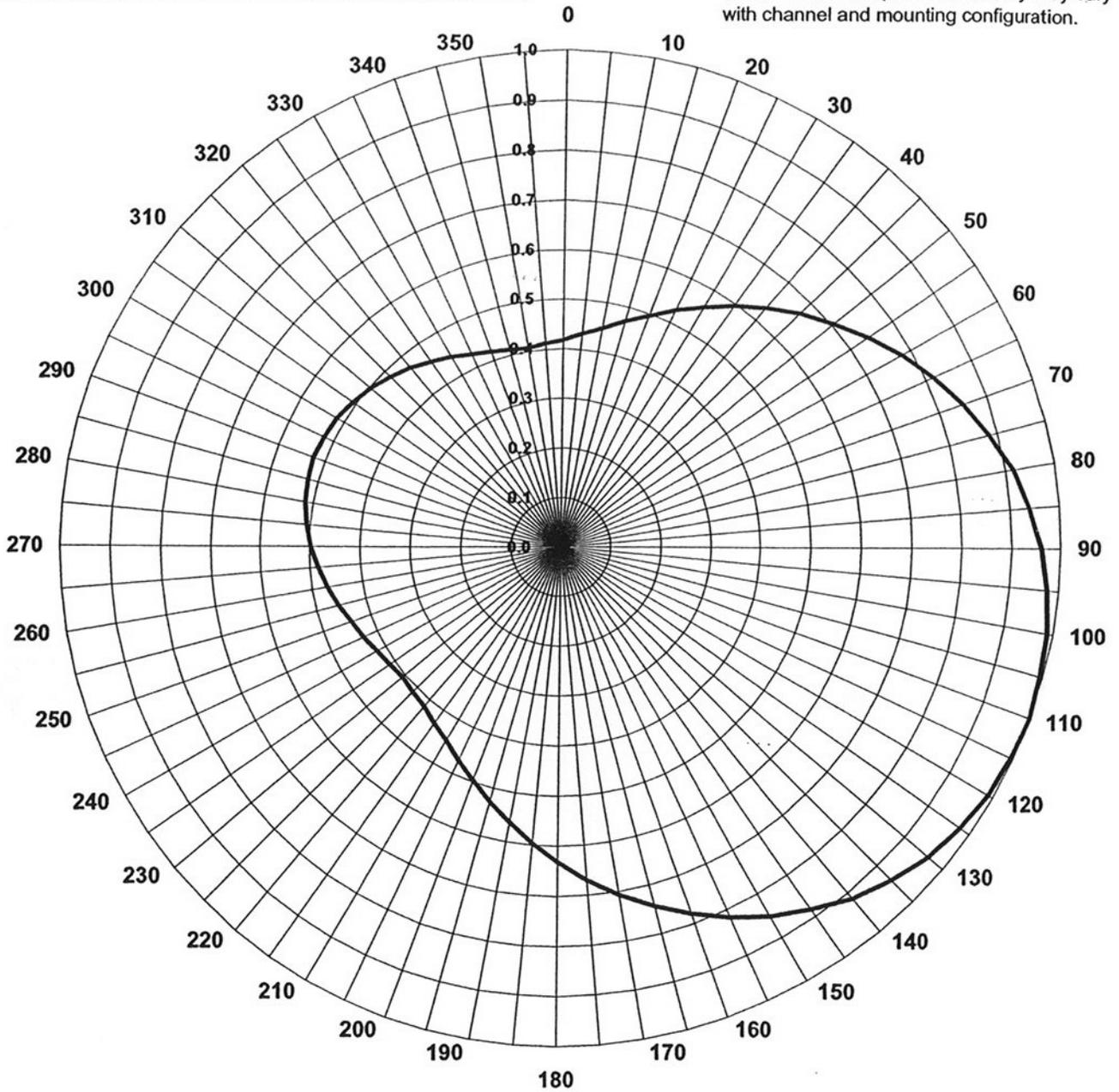
PROPOSED KALO-DT
CHANNEL 10 - HONOLULU, HAWAII
[AMENDMENT TO BPEDT-20000501AFZ]

SMITH AND FISHER

AZIMUTH PATTERN

TYPE:	ATW-VHF-NC	
	Numeric	dB
Directivity:	2.30	3.62
Peak(s) at:		
Polarization:	Horizontal	
Frequency:	10 (Digital)	
Location:	Honolulu, HI	

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



ANTENNA AZIMUTH PATTERN DATA

PROPOSED KALO-DT
CHANNEL 10 – HONOLULU, HAWAII
[AMENDMENT TO BPEDT-20000501AFZ]

<u>Azimuth</u> (° T)	<u>Relative</u> <u>Field</u>	<u>ERP</u> (dbk)	<u>Azimuth</u> (° T)	<u>Relative</u> <u>Field</u>	<u>ERP</u> (dbk)
0	0.417	6.4	180	0.631	10.0
10	0.448	7.0	190	0.559	8.9
20	0.497	7.9	200	0.497	7.9
30	0.559	8.9	210	0.447	7.0
40	0.631	10.0	220	0.417	6.4
50	0.705	11.0	230	0.407	6.2
60	0.780	11.8	240	0.418	6.4
70	0.851	12.6	250	0.441	6.9
80	0.915	13.2	260	0.470	7.4
90	0.963	13.7	270	0.497	7.9
100	0.990	13.9	280	0.517	8.3
110	1.000	14.0	290	0.525	8.4
120	0.990	13.9	300	0.517	8.3
130	0.963	13.7	310	0.497	7.9
140	0.915	13.2	320	0.470	7.4
150	0.852	12.6	330	0.442	6.9
160	0.780	11.8	340	0.418	6.4
170	0.706	11.0	350	0.407	6.2

PROPOSED OPERATING PARAMETERS

PROPOSED KALO-DT
CHANNEL 10 – HONOLULU, HAWAII
[AMENDMENT TO BPEDT-20000501AFZ]

Channel Number:	10
Zone:	2
Site Coordinates:	21-23-44.5 N 158-05-58 W
Antenna Structure Registration Number:	Not required
Tower Site Elevation (AMSL):	695.1 meters
Overall Tower Height Above Ground:	24.4 meters
Overall Tower Height Above (AMSL):	719.5 meters
Radiation Center Above Ground:	20 meters
Radiation Center AMSL:	716 meters
Average Terrain Elevation (2-10 miles):	139 meters
Antenna Height Above Average Terrain:	577 meters
Antenna Make and Model:	ERI ATW6V2-HSNC-10
Orientation:	Directional at 110° T
Electrical Beam Tilt:	0.5°
Polarization:	Horizontal
Effective Radiated Power (main-lobe, maximum):	25 kw

PROPOSED OPERATING PARAMETERS

PROPOSED KALO-DT
CHANNEL 10 – HONOLULU, HAWAII
[AMENDMENT TO BPEDT-20000501AFZ]

Transmitter power output	1.95 kw
Transmission line loss	0.14 kw
Input to antenna	1.81 kw
Antenna gain (maximum)	13.80
Effective radiated power (maximum)	25 kw

Transmitter make and model:	Type-accepted
Rated Power:	2 kw

Transmission line	
Make and model:	Andrew HJ8-50B
Size:	3"
Type:	Air Helix
Length:	150 feet

Antenna	
Make and model:	ERI ATW6V2-HSNC-10
Type:	Directional @ 110° T
RCAGL	65 feet