

**LeSEA Engineering
Indianapolis, IN**

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Thursday, February 14, 2002

Dataworld Digital TV Channel Study

EXHIBIT-E5

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Job Title: KWHE-DTV31 Oahu Spacing

Channel(s):	31 Zone II
Coordinates:	N 21° 23' 22.0" W 158° 06' 29.0"
Safety Zone:	120.0 km (74.6 mi)
TV translators included	

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Thursday, February 14, 2002

Latitude: N 21° 23' 22.0"

Longitude: W 158° 06' 29.0"

Safety Zone: 120.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req	
City of License		St	FCC File Number	Zone	HAMSL(m)	(kW)	Longitude	-from	(km)	(km)
NEW-T Kula	App	Prism Broadcasting Network, Inc.	17 +			50	N 20° 41' 19.0"	113.1	196.5	
EXT(53562-CM-MP-92) GD, 9-25-92;					957.0		W 156° 22' 16.0"	293.7		LPTV
KUKO-LP Haleakala	Lic	Michael R. Durch	24 o	1855.6	6.49		N 20° 42' 41.0"	111.1	206.4	
To channel 45;				3062.9			W 156° 15' 28.0"	291.8		LPTV
ALLOC Lihue			*27 -	0.0	0		N 21° 58' 48.0"	296.9	146.5	96.60
		HI	II	0.0			W 159° 22' 30.0"	116.4	49.92	CLEAR
ALLOC Wailuku			*27 o	0.0	0		N 20° 53' 24.0"	108.2	175.3	96.60
Returned 8/5/99 per 44547-8/10/99;				0.0			W 156° 30' 24.0"	288.8	78.69	CLEAR
K27DW Wailuku	Lic	KFVE Joint Venture	27	2963.9	52.9		N 20° 42' 33.0"	111.2	205.9	
DA: MAR ODD920214SY @ 0.0°; Primary station: KFVE Honolulu, HI				2963.9			W 156° 15' 52.0"	291.9		LPTV
KMEB Wailuku	DTV	Hawaii Public Broadcasting Autho	*30	1811.0	50.1		N 20° 42' 40.0"	111.1	206.3	110.0
Digital channel; DTV Channel Allotment per MM Doc 87-268 (6th R & O) released 2/19/98;; Primary station: KHET Honolulu, HI				3051.0			W 156° 15' 34.0"	291.8	96.29	CLEAR
KMEB Wailuku	CP	Hawaii Public Broadcasting Autho	*30	1822.0	50		N 20° 42' 40.0"	111.1	206.3	110.0
Digital channel; DTV channel;RELAY FOR WHR502;; Primary station: KHET Honolulu, HI				3055.0			W 156° 15' 34.0"	291.8	96.29	CLEAR
KWHE Honolulu	CP	LeSea Broadcasting Corporation	31	33.0	50		N 21° 18' 49.0"	119.1	17.33	223.7
Digital channel; DTV channel;To K51FW;; DA: DIE ODD991020BP @ 0.0°				134.0			W 157° 57' 43.0"	299.2	-206	SHORT
KWHE Honolulu	DTV	LeSea Broadcasting Corporation	31	33.0	50.1		N 21° 18' 49.0"	108.3	26.87	223.7
Digital channel; DTV Channel Allotment per MM Doc 87-268 (6th R & O) released 2/19/98;FCC does not show this record;; DA: BOG ODD880506KI @ 0.0°				131.1			W 157° 51' 43.0"	288.4	-197	SHORT
KBFD Honolulu	Lic	Allen Broadcasting Corporation	32 o	-5.0	145		N 21° 18' 49.0"	108.3	26.87	106.0
DA: BOG ODD851024KG @ 0.0°				119.0			W 157° 51' 43.0"	288.4	-79.1	SHORT
ALLOC Wailuku			*33 o	0.0	0		N 20° 53' 24.0"	108.2	175.3	96.60
Dismissed 8/5/99 per 44547-8/10/99;				0.0			W 156° 30' 24.0"	288.8	78.69	CLEAR
NEW Lihue	App	Trinity Broadcasting Network	34 -			10	N 21° 55' 59.0"	293.9	150.5	
Mutually Exclusive Proposal - LPTV Auction No. 81;				441.0			W 159° 26' 28.0"	113.4		LPTV

Dataworld Digital TV Spacing Study

Title: KWHE-DTV31 Oahu Spacing

Channel: 31 Zone II (572-578 MHz) Digital

Latitude: N 21° 23' 22.0"

Longitude: W 158° 06' 29.0"

Database: DW 2/7/2002 6:02:39 PM

Safety Zone: 120.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	(kW)	Longitude	-from	(km)
KALO	CP	Pacifica Broadcasting Company	*38 o	579.0	206	N 21° 23' 33.0"	75.6	1.368	24.10
Honolulu		HI	BPET-20010308AAU	II	709.0	W 158° 05' 43.0"	255.6	22.70	CoLoc
CP granted 12/20/2001 per 45139-12/27/2001;; DA: MIC 955518 @ 0.0°									
NEW-T	App	Garden Isle Cablevision	38		30.2	N 21° 24' 13.0"	22.8	1.703	
Waipahu		HI	BPEX-19870707II		810.0	W 158° 06' 06.0"	202.8		LPTV
To K43GN;; DA: ODD ODD870707 @ 296.0°									
KALO	Lic	Pacifica Broadcasting Company	*38	632.0	51.3	N 21° 19' 49.0"	100.2	37.03	96.60
Honolulu		HI	BLET-19990803LD	II	757.0	W 157° 45' 24.0"	280.3	-59.6	SHORT
License granted 5/12/2000 per 44738-5/19/2000;License granted 1/24/2000 per 44661-2/1/2000;									
NEW	App	Charles C. Townsend, III	38 -		50	N 20° 46' 43.0"	109.0	204.8	
Kahului		HI	BPTTL-20000828AFS		1984.0	W 156° 14' 51.0"	289.7		LPTV
NEW-T	App	John Patrick Marcom	39 o	1855.6	6.49	N 20° 42' 41.0"	111.1	206.4	
Haleakala		HI	BPTTL-19840307UP		3062.9	W 156° 15' 28.0"	291.8		LPTV

>> End of channel 31 Zone II study <<

Datavorld Digital TV Spacing Study

Title: KWHE-DTV31 Oahu Spacing

Channel: 31 Zone II (572-578 MHz) Digital

Latitude: N 21° 23' 22.0"

Longitude: W 158° 06' 29.0"

Safety Zone: 120.0 km

Database: FCC 2/13/2002 1:54:03 PM

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	Longitude	-from	(km)	(km)
NEW	APP	LIGHTNING BOLT BROADCASTING COMP	17 o	581.0	200	N 21° 23' 45.0"	51.4	1.139	24.10
MILILANI TOWN		HI	BPRM-20000717AFF	II	716.0	W 158° 05' 58.0"	231.5	23.00	CoLoc
NEW	APP	PRISM BROADCASTING NEWTORK, INC.	17 +		50	N 20° 41' 19.0"	113.1	196.5	
KULA		HI	BNPTTL-20000824AEJ		957.0	W 156° 22' 16.0"	293.7		LPTV
KUKO-LP	LIC	MICHAEL R. DURCH	24 o		6.49	N 20° 42' 41.0"	111.1	206.4	
HALEAKALA		HI	BLTTL-199001251C		3063.0	W 156° 15' 28.0"	291.8		LPTV
ALLOC		MOUNTAIN TV NETWORK, INC.	*27 -			N 21° 58' 41.0"	296.9	146.1	96.60
LIHUE		HI		II		W 159° 22' 16.0"	116.4	49.46	CLEAR
ALLOC		RAYCOM NATIONAL, INC.	*27 o			N 20° 53' 25.0"	108.2	175.3	96.60
WAILUKU		HI		II		W 156° 30' 22.0"	288.8	78.74	CLEAR
K27DW	LIC	RAYCOM NATIONAL, INC.	27		52.9	N 20° 42' 33.0"	111.2	205.9	
WAILUKU		HI	BLTT-19930317IB		2964.0	W 156° 15' 52.0"	291.9		LPTV
DA: MAR ODD920214SY @ 0.0°									
KMEB	CP	HAWAII PUBLIC TELEVISION FOUNDAT	30	1821.9	50	N 20° 42' 40.0"	111.1	206.3	110.0
WAILUKU		HI	BPEDT-20000428ADA	II	3054.5	W 156° 15' 34.0"	291.8	96.29	CLEAR
Digital channel									
KWHE	CP	LE SEA BROADCASTING CORPORATION	31	33.0	50	N 21° 18' 49.0"	108.3	26.87	223.7
HONOLULU		HI	BPCDT-19991020ABP	II	134.0	W 157° 51' 43.0"	288.4	-197	SHORT
Digital channel									
DA: DIE TLP-80 @ 0.0°									
KBFD	LIC	THE ALLEN BROADCASTING CORP.	32 o	-5.0	145	N 21° 18' 49.0"	108.3	26.87	106.0
HONOLULU		HI	BLCT-19860903KF	II	119.0	W 157° 51' 43.0"	288.4	-79.1	SHORT
DA: BOG ODD851024KG @ 0.0°									
ALLOC			*33 o			N 20° 53' 25.0"	108.2	175.3	96.60
WAILUKU		HI	II			W 156° 30' 22.0"	288.8	78.74	CLEAR
NEW	APP	TRINITY BROADCASTING NETWORK	34 -		10	N 21° 55' 59.0"	293.9	150.5	
LIHUE		HI	BNPTT-20000830ATH		441.0	W 159° 26' 28.0"	113.4		LPTV
KALO	CP	PACIFICA BROADCASTING COMPANY	38 o	579.0	206	N 21° 23' 33.0"	75.6	1.368	24.10
HONOLULU		HI	BPET-20010308AAU	II	709.0	W 158° 05' 43.0"	255.6	22.70	CoLoc
DA: MC 955518 @ 0.0°									
K61BM	APP	IRON COUNTY	38		30.2	N 21° 24' 13.0"	22.8	1.703	
WAIPAHU		HI	BRTT-19870707II		810.0	W 158° 06' 06.0"	202.8		LPTV
DA: ODD ODD870707 @ 296.0°									
KALO	LIC	PACIFICA BROADCASTING COMPANY	38 o	632.0	51.3	N 21° 19' 49.0"	100.2	37.03	96.60
HONOLULU		HI	BLET-19990803LD	II	757.0	W 157° 45' 24.0"	280.3	-59.6	SHORT

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City of License		St	FCC File Number	Zone	HAMSL(m)	Longitude	-from	(km)	(km)
NEW	APP	CHARLES C. TOWNSEND, III	38 -		50	N 20° 46' 43.0"	109.0	204.8	
KAHULUI		HI	BNPTTL-20000828AFS		1984.1	W 156° 14' 51.0"	289.7		LPTV
ALLOC				39 o		N 20° 53' 24.0"	108.2	175.3	96.60
WAILUKU		HI		II		W 156° 30' 24.0"	288.8	78.69	CLEAR

>> End of channel 31 Zone II study <<