

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/space/software/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-24-2011 Time: 12:45:26

Record Selected for Analysis

KAUI USERRECORD-01 US
Channel 30 ERP 15. kW HAAT 647. m RCAMSL 01134 m STRINGENT MASK
Latitude 020-39-37 Longitude 0156-21-34
Status APP Zone 2 Border Site number: 01
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	15.000	459.0	63.1
45.0	15.000	33.0	30.1
90.0	15.000	33.0	30.1
135.0	15.000	863.5	73.1
180.0	15.000	981.9	75.5
225.0	15.000	958.5	75.0
270.0	15.000	975.8	75.4
315.0	15.000	877.6	73.4

Database HAAT does not agree with computed HAAT
Database HAAT: 647 Computed HAAT: 648

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
30	KAUI		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	K26HL	HOLUALOA HI	114.1	LIC	BLTTL	-20070122AJM
26	K26HL	HOLUALOA HI	114.1	CP	BPTTL	-20090825ABB
27	K27DW	WAILUKU HI	11.3	LIC	BLTT	-19930317IB
30	NEW	HILO HI	160.0	APP	BMJADTL	-20100520ACG
30	K30JE-D	LIHUE HI	356.4	LIC	BLDTT	-20100604AEY
30	K30JE-D	LIHUE HI	356.4	CP	BPDTT	-20100602AJB
31	KWHE	HONOLULU HI	172.0	LIC	BLCDDT	-20060628AAN
31	K31IZ-D	NAALEHU HI	196.9	LIC	BLDTT	-20100604AEZ
31	K31IZ-D	NAALEHU HI	196.9	CP MOD	BMPDTT	-20100602AJA
32	KKAM-LP	KAILUA-KONA HI	114.5	LIC	BLTTL	-20070116AAU
38	K38HU	KAILUA-KONA HI	114.5	LIC	BLTT	-20050831ADU

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	K26HL	HOLUALOA HI	BLTTL	-20070122AJM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	KHBC-TV	HILO HI	88.8	LIC	BLCDDT	-20021030ABX
23	KWHD	HILO HI	81.7	LIC	BLCDDT	-20060628AAM
24	KGMV	WAILUKU HI	114.2	LIC	BLCDDT	-20090126ADX
25	KLEI	KAILUA-KONA HI	0.3	LIC	BLCDDT	-20070202ABM
26	K26LC-D	HILO HI	84.1	CP	BNPDTL	-20100510ADR
30	KAUI		114.1	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	K26HL	HOLUALOA HI	BPTTL	-20090825ABB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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22	KHBC-TV	HILO HI	88.8	LIC	BLCDDT	-20021030ABX
23	KWHD	HILO HI	81.7	LIC	BLCDDT	-20060628AAM
24	KGMV	WAILUKU HI	114.2	LIC	BLCDDT	-20090126ADX
25	KLEI	KAILUA-KONA HI	0.3	LIC	BLCDDT	-20070202ABM
26	K26LC-D	HILO HI	84.1	CP	BNPDTL	-20100510ADR
30	KAUI		114.1	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
27	K27DW	WAILUKU HI	BLTT -19930317IB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
24	KGMV	WAILUKU HI	11.6	LIC	BLCDDT -20090126ADX
25	KLEI	KAILUA-KONA HI	115.5	LIC	BLCDDT -20070202ABM
27	KAHH-TV	HONOLULU HI	205.1	LIC	BLCDDT -20061027AGR
27	KAHH-TV	HONOLULU HI	205.1	APP	BPCDDT -20080617ADP
30	KAUI		11.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	NEW	HILO HI	BMJADTL -20100520ACG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	KAUI		160.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	K30JE-D	LIHUE HI	BLDTT -20100604AEY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	K29HL-D	HANALEI, ETC. HI	26.3	LIC	BLDTT -20100604AEX
29	K29HL-D	HANALEI, ETC. HI	26.3	CP	BPDTT -20100602AJC
30	KAUI		356.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	K30JE-D	LIHUE HI	BPDTT -20100602AJB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	K29HL-D	HANALEI, ETC. HI	26.3	LIC	BLDTT -20100604AEX
29	K29HL-D	HANALEI, ETC. HI	26.3	CP	BPDTT -20100602AJC
30	KAUI		356.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	KWHE	HONOLULU HI	BLCDDT -20060628AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	KAUI		172.0	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	K31IZ-D	NAALEHU HI	BLDTT -20100604AEZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	KWHE	HONOLULU HI	346.4	LIC	BLCDDT -20060628AAN
30	KAUI		196.9	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	K31IZ-D	NAALEHU HI	BMPDTT -20100602AJA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	KWHE	HONOLULU HI	346.4	LIC	BLCDDT -20060628AAN
30	KAUI		196.9	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	KKAM-LP	KAILUA-KONA HI	BLTTL -20070116AAU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
24	KGMV	WAILUKU HI	114.6	LIC	BLCDT -20090126ADX
25	KLEI	KAILUA-KONA HI	0.6	LIC	BLCDT -20070202ABM
47	KHIK-LP	KAILUA-KONA HI	0.2	LIC	BLTTL -20060918AAA
30	KAUI		114.5	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	K38HU	KAILUA-KONA HI	BLTT -20050831ADU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KHOH-LP	HILO HI	84.3	LIC	BLTTL -20070122AAB
38	KALO-DR	HONOLULU HI	293.9	APP	BPRM -20080619ALN
38	KALO	HONOLULU HI	293.9	LIC	BLEDT -20090227ABT
39	KHIK-LD	KAILUA-KONA HI	0.2	CP	BDCCDTL -20061024AEO
30	KAUI		114.5	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	KAUI		USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	NEW	HILO HI	160.0	APP	BMJADTL -20100520ACG

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 12

Results for: 30A		USERRECORD01	APP
HAAT	647.0 m, ATV ERP	15.0 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		122668	13949.4
not affected by terrain losses		104978	13096.0
lost to NTSC IX		0	0.0
lost to additional IX by ATV		0	0.0
lost to ATV IX only		0	0.0
lost to all IX		0	0.0

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