

Broadcast Engineering Services of Bonny Doon, Inc.

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**Engineering Statement
in support of a Minor Amendment
to the application for a new translator at Kailua Kona, Hawaii
BNPFT 20030317AAE**

The applicant is requesting a minor tech box amendment to eliminate conflicts and overlaps with the other applications in Group 156. The applicant proposes to migrate to an adjacent registered tower on the same mountain, correct the proposed effective radiated power and heights, and change the operating frequency by one channel. By changing the proposed output channel of the Kailua Kona proposal to Ch. 243, all conflicts are resolved and no prohibited overlap will result.

This proposal is not located within 39 kilometers of any spectrum limited market grid, nor within a top-50 market. Because of this, no LPFM preclusion study is required.

An allocation study, along with detail maps, is attached to this statement.

Respectfully submitted,



Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
July 19, 2013

Broadcast Engineering Services of Bonny Doon, Inc.
 Don Mussell NCE-CBT

New Kailua-Kona

Visionary Related Entertainment, Inc

REFERENCE
 19 43 15.0 N.
 155 55 16.0 W.

CH# 243D - 96.5 MHz, Pwr= 0.01 kW, HAAT= 820.9 M, COR= 1620 M
 Average Protected F(50-50)= 15.78 km
 Omni-directional

DISPLAY DATES
 DATA 07-11-13
 SEARCH 07-19-13

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
244D Kailua Kona	640840	APP _H_ HI		141.6 321.6	0.74 BNPFT20030317AAE	19 42 56.0 155 55 00.0	0.090 924	57.9 1753	38.2 Visionary Related Entertai	-60.3*	-41.8*

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
 In & Out distances between contours are shown at closest points. Reference zone= west Zone, Co to 3rd adjacent.
 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.

New Kailua-Kona
Visionary Related Entertainment, Inc

Coverage Study - FCC NGDC 30 Sec
07-19-2013

640840 CH243 D , 0.01 kW, 820.9M HAAT, 1620.0M COR AMSL
Service Contour = 60 dBu. Population = 25,954



