

LPFM STATION REQUESTS CHANNEL CHANGE

KQNS-LP

Haleiwa, HI

Facility ID: 194203

CH 245 96.9 FM

The purpose of this application is to request a channel change to **CH 297 107.3 FM.**

KQNS-LP only began operations a few days ago. But the licensee and listeners are disappointed by the poor coverage due to strong interference from co-channel station KFMN, Lihue, HI, 149 km away, blazing into our island, Oahu, over a salt water path.

Theoretical contours of KFMN, according to V-Soft, indicate that KQNS-LP is within about their 54 dBu contour. However, at the altitude of KQNS-LP, KFMN is much stronger... about 60 dBu. Former KFMN listeners in our area are now being blocked due to the operation of our new KQNS-LP.

FMCommander

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Minimum Spacings

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Spacings Mode

DATA: 01-18-17 - Zone 2

N. Lat. 21 38 36.0	226 m CDR	Current Tables	Haleiwa HI	L	hihaleiwa.vsl
W. Lng. 158 02 16.0	0.009 kW	CH 245 96.9	96.0 m HAA1	HIHaleiwa	01-30-17

Call	Type	Ch	Location	Azi	Dist	FCC	Margin	
NEW	CP	245L1	Haleiwa	HI	0.0	0.00	23.5	-23.5
NEW	CP	245L1	Kapolei	HI	190.2	30.42	23.5	6.9
K246BR	LIC	246D	Honolulu	HI	146.3	40.96	27.5	13.5
K244EO	LIC	244D	Honolulu	HI	158.3	35.00	14.5	20.5
KFMN	LIC	245C1	Lihue	HI	285.7	148.85	110.5	38.4
K243BY	LIC-D	243D	Honokawai	HI	127.3	152.84	20.5	132.3
KRKH	LIC-D	247C2	Wailea-makena	HI	121.9	205.13	52.5	152.6
K244AG	LIC-D	244D	Maui	HI	122.9	204.22	27.5	176.7

End of Screen List, Cardinal Radials = 36

EN

7:51 PM

1/30/2017

KFMN vs. KQNS-LP

FMCommander Single Allocation Study - 01-30-2017 - NGDC 30 SEC
HIHaleiwa's Overlaps (In= 0.0 km, Out= 0.0 km)

HIHaleiwa CH 245 L1
Lat= 21 38 36.0, Lng= 158 02 16.0
0.009 kW 96 m HAAT, 226 m COR
Prot.= 60 dBu, Intef.= 40 dBu

KFMN CH 245 C1 BLH19880301KC
Lat= 21 59 54.0, Lng= 159 25 35.0
100.0 kW 122 m HAAT, 416 m COR
Prot.= 60 dBu, Intef.= 40 dBu



