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.

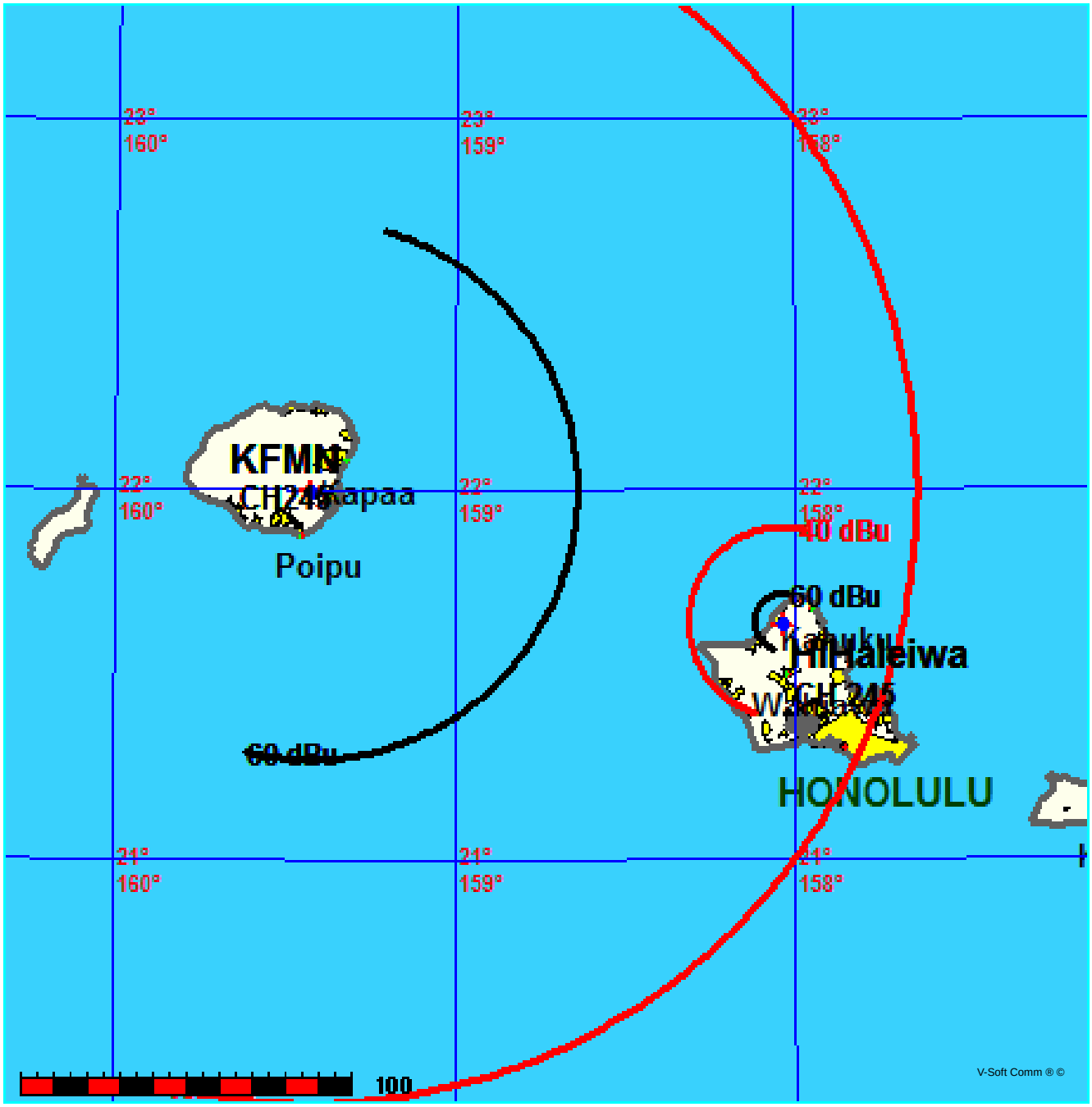
Theoretical contours of KFMN, according to V-Soft, indicate that KQNS-LP is within about their 54 dBu contour. However, at the altitude of KQNS-LP, KFMN is much stronger… about 60 dBu. Former KFMN listeners in our area are now being blocked due to the operation of our new KQNS-LP.

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



Consequently it's reasonable and necessary that KQNS-LP move to another channel to alleviate this congestion and unintentional harmful interference.

Neither a move up or down up to three channels nor using the IF channel is possible.

Thus, KQNS-LP proposes moving to a perfectly clear channel, 297, 107.3 FM.

V-Soft indicates that no prohibited spacing will occur with this change.

No FM translators within 10 kilometers are receiving a signal on or near this channel.

There are no AM stations within many miles.

Consequently, we believe the Commission should be able to grant us the use of CH297 in our area.