

## Minor Modification to Licensed NCE Station

### KRSF

Ridgecrest, CA

89.3 MHz

Facility ID: 175757

The object of this proposal is to increase the ERP of KRSF from 4.0 to 4.8 kW, the full permitted Class B power at the presently licensed antenna coordinates and elevation.

The theoretical pattern will be slightly altered (pulled in) at 180 degrees to protect KODV, Barstow, CA.

The present KRSF directional antenna system, without alteration, will keep radiation well inside the altered 60 dBu contour.

V-Soft predicts that no prohibited overlaps will be created.



The following exhibits compare:

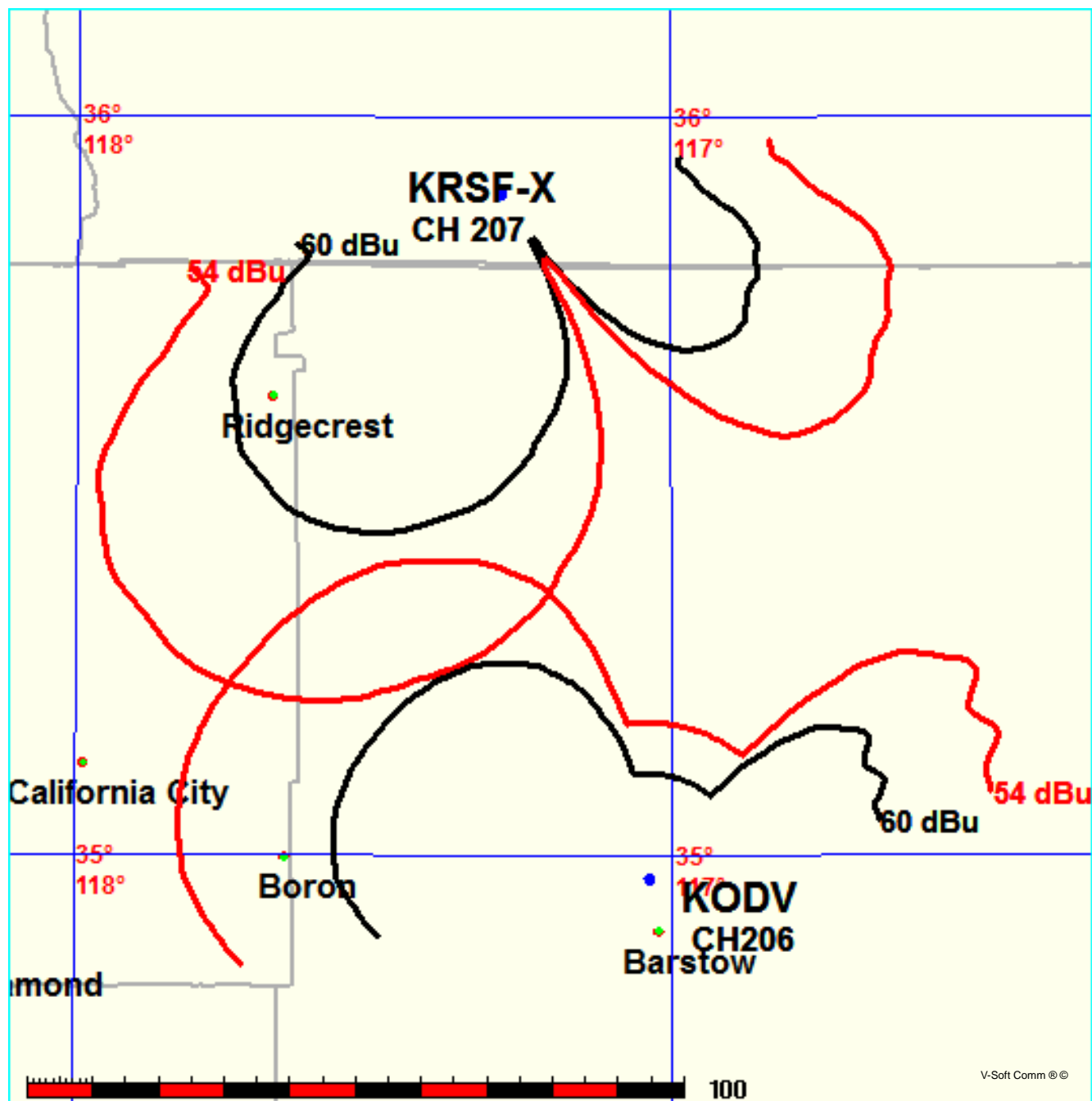
- the 60 and 54 dBu contours of KRSF and KODV
- the 60 and 100 dBu contours of KRSF and KGBM

CA - Ridgecrest - KRSF  
KRSF vs. KODV

FMCommander Single Allocation Study - 12-06-2012 - NGDC 30 SEC  
KRSF-X's Overlaps (In= 38.37 km, Out= 29.68 km)

KRSF-X CH 207 B DA  
Lat= 35 53 52.6, Lng= 117 17 18.3  
4.8 kW 451 M HAAT, 1230 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

KODV CH 206 B DA BLED20111201FJR  
Lat= 34 58 15.1, Lng= 117 02 21.5  
5.8 kW 234 M HAAT, 1037 M COR  
Prot.= 60 dBu, Intef.= 54 dBu



CA - Ridgecrest - KRSF  
KRSF vs. KGBM

FMCommander Single Allocation Study - 12-06-2012 - NGDC 30 SEC  
KRSF-X's Overlaps (In= 0.12 km, Out= 13.83 km)

KRSF-X CH 207 B DA  
Lat= 35 53 52.6, Lng= 117 17 18.3  
4.8 kW 451 M HAAT, 1230 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

KGBM CH 209 B DA BLED20110602ACK  
Lat= 35 28 39.0, Lng= 117 41 58.0  
6.8 kW 397 M HAAT, 1367 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

