

# MISSOURI REPEATER COUNCIL, Inc.

## BOARD OF DIRECTOR'S MINUTES

August, 21, 2010

Meeting was called to order by MRC President, Don, KMØR, at 1200 CDST. Other board members in attendance were, Bill, NØPNP, Roger, KØGOB, George, WBØIIS and Jeff, KB3HF.

Agenda topics were:

1. 23 cm Frequency Use Plan revisions
2. MRC Database Update Forms

### 23 CM FREQUENCY USE PLAN

The D-Star high speed Digital Data (DD) systems provide the capabilities to transfer large data files, pictures as well as filled out emergency relief forms for any number of served agencies that need the information to plan their response. To accomplish this data transfer, a wide bandwidth is required. Wide bandwidth signals are not compatible with narrow bandwidth signals. Furthermore, the adjacent channel spacing of two or more wide bandwidth signals requires documentation to reduce the possibility of interference between systems.

Based on data from the manufacturer and extensive real world tests made by other coordinating councils, good engineering practice appears to be a channel spacing of 500 kHz with 1 MHz system spacing within the same coverage area.

Therefore, a portion of the 1240-1300 MHz Frequency Use Plan will be modified as follows:

Current Frequency Use Plan	1248.00-1258.00	Digital Communications
Revised Frequency Use Plan	1248.00-1252.50 1252.50-1258.00	D-Star Wideband Digital Data Digital Communications

This revised Frequency Use Plan is consistent with the current ARRL band plan and with frequency reuse, permits four wideband channels in any given area.

### Suggested D-Star Digital Data frequencies, 500 kHz Channel Spacing

1248.50  
1249.00  
1249.50  
1250.00  
1250.50  
1251.00  
1251.50  
1252.00

### MRC DATABASE UPDATE FORMS

Topic tabled until the state frequency coordinator is available to participate in the discussions.

There being no further business, Don, KMØR, thanked the Board Members for participating and adjourned the meeting.