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6.3 WH Radar Image Problems

If the radar image does not look correct, or instead of the usual image you get just a small dot in the middle of the radar screen, always restart the laptop computer and restart the radar computer remotely.
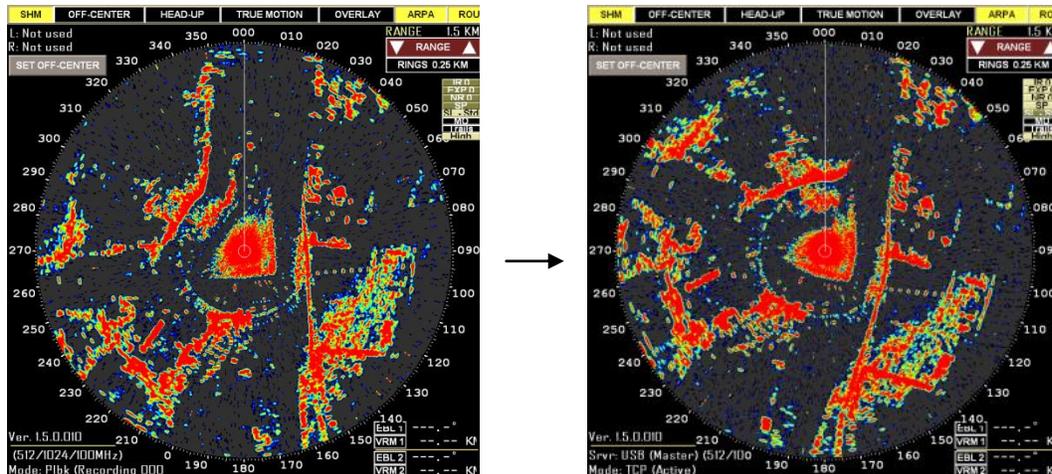

Figure 1. Radar Image from normal to problematic.

If the image appears to shift its heading back and forth (Figure 1), follow the following steps to correct it:

1. Restart WinHorizon, try image again
2. Restart radar computer remotely
   a. Open *VNC Viewer* (Desktop), click OK, type password ("admin" is default password)
   b. Click START, Click SHUTDOWN, Click **RESTART**
   c. Open WinHorizon, try image again

RADAR PROTOCOLS
6.3 WinHorizon Radar Image Problems
Updated: March 31, 2011

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3. If problem persists, continue on to manually enter "BPPerSweep" in WinHorizon settings file:

   a. Find out what the "BPPerSweep" is

      i. Open *VNC Viewer* (Desktop)>OK> password ("admin" is default password)

      ii. Open *Radar Sample* (Remote Computer Desktop) (Figure 2)

      iii. Note: The antenna needs to be working (rotating) once you are in Radar Sample in order to open USB VP Extended Control.
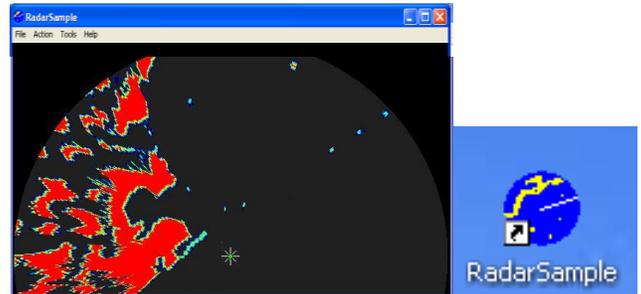

Figure 2. Radar Sample program and Icon.

      iv. If the antenna is not rotating, follow the steps in 6.2 to reset the High Voltage Board

   b. Click Tools and open the USB VP Extended Control window

   c. Record "BPPerSweep" value (Figure 3)

   d. Click SAVE and close USB VP Extended Control
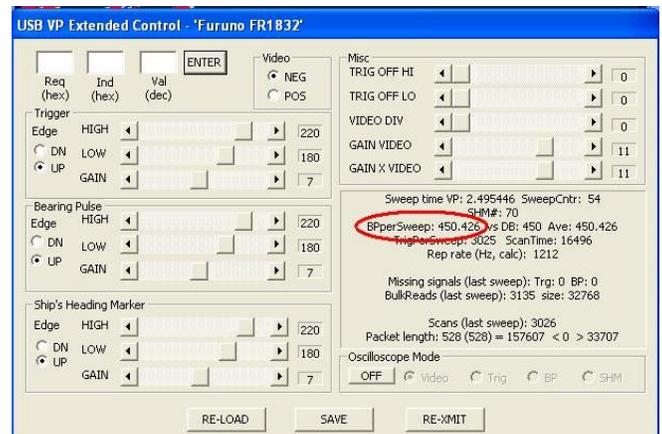
   e. Close Radar Sample

   f. Open the following directory in the radar computer: **C:\Remote Radar\RTI WH 1.5.0.012\Radar**

Figure 3. USB VP Extended Control in Radar Sample showing BPPerSweep value of 450.426.

      i. Note: "Remote Radar" folder might be named "RTI" and the WinHorizon version numbers might be different.

   g. Open the file "**usbvpfull – Furuno FR7111.cfg"** in notepad

      i. Note: the Furuno number might be different depending on the Furuno antenna you are using

   h. After the last line (TuneRange = 4) (Figure 4) add the line "BPPerSweep = 451" (Figure 5)

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Figure 4. Original "usbvpfull – Furuno FR7111.cfg" file.

Figure 5. Modifications made to "usbvpfull – Furuno FR7111.cfg" file: BPPerSweep value added to end.

    i.   Save and Close "**usbvpfull – Furuno FR7111.cfg**".
    j.   Restart WinHorizon
        i.   Note: you can test WH directly from the remote radar computer through VNC viewer, just be sure to select "USB" instead of "TCP Active" or "PLAYBACK" in the MODE tab