Do the Dance!

First, you may already have the formulas in your
machine under shift>file>recall then use your
scroll knob to find the .stp files (.stp=setup).

You may download setup files already built for you
by Karl Voss. Please download the correct files
for your specific Anritsu's software version.

If you need to build a set, set the Analyzer for:

Center frequency 500 MHz
Span 60 MHz
RBW 100 KHz
VBW 30 KHz
Ref level -20
Input atten 0
Detection = Peak Hold (shift>5>trace A>hold)

Save this as TV 14-23 .stp file

Do identical setup files changing only the center
channel and save each one:

Center 560 MHz save as TV 24-33
Center 620 MHz save as TV 34-43
Center 680 MHz save as TV 44-53

Center 84 MHz save as TV 2-6
Center 204 MHz save as TV 7-13

Now you are ready to head to the field. Use
Anritsu antenna number 2000-1035 (not the shark
fin).

THE DANCE
1) To do the dance, set your analyzer on TV 2-6
(from setup file above)
2) rotate the analyzer 90 degrees so your antenna
is horizontal to the ground

3) Be careful NOT to touch the adjustment knob and hold the unit above your head
4) slowly do the dance by spinning in a circle at a very slow rate of speed. Take about 20 seconds to make a full circle.
5) save "as measurement" the readings as the proper TV channels
6) repeat steps 2 through 5 until all readings are made.
7) move files from instrument to your USB drive
8) email .spa files to Karl and Beaver.