



THE SATELLITE CHANNEL ASSIGNMENT FILE

[SATPOWERPRO1.SCN (SATPOWERPRO1.TMP)] (Vehicle 1/Vehicle 2)

This file contains time-sequenced records that control the assignment of satellites to the various hardware RF channels. The following example is for the first 3 channels (the final 13 channels have been omitted for readability.)

```
100.0 2 0.0 0.0 0.0 0.0 0.0 0.0 3 0.0 0.0 0.0 0.0 0.0 0.0 7 0.0 0.0 0.0 0.0 0.0 ... (13 more...)
120.0 2 0.0 0.0 0.0 0.0 0.0 0.0 3 0.0 0.0 0.0 0.0 0.0 0.0 7 0.0 0.0 0.0 0.0 0.0 ... (13 more...)
```

This file is nominally created at build-time by the **Build Scenario** application. Each record corresponds to a particular time (seconds into simulated week). **Build Scenario** will create one record at the **Constellation Review Interval** defined by the tag **SvReviewInterval** in the TapControl.INI file located within the scenario folder.

One (and only one) space between every entry

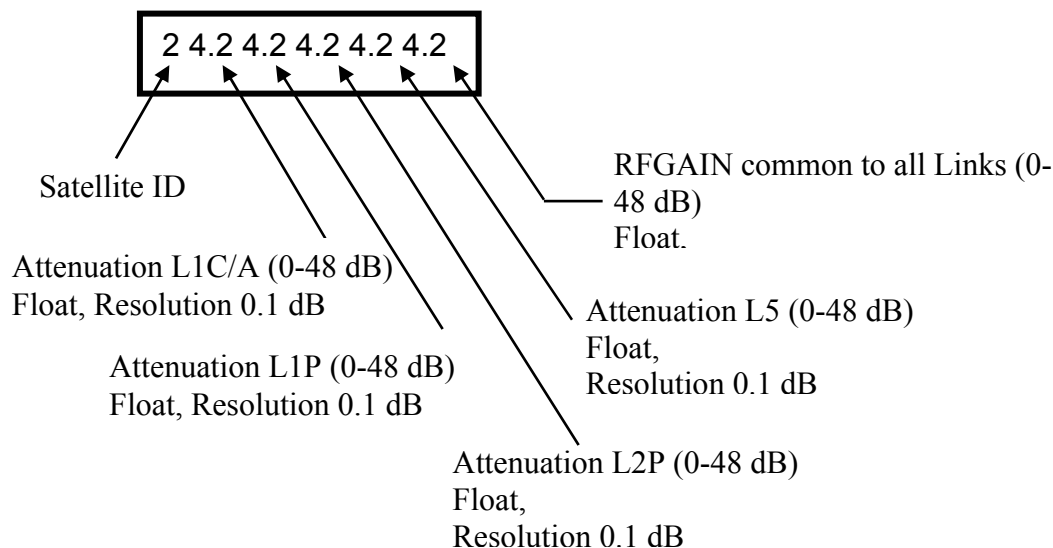
```
100.0 2 4.2 4.2 4.2 4.2 4.2 3 0.0 0.0 0.0 0.0 0.0 7 0.0 0.0 0.0 0.0 0.0 ... (13 more...)
```

Time into Week,
Resolution 0.1
seconds

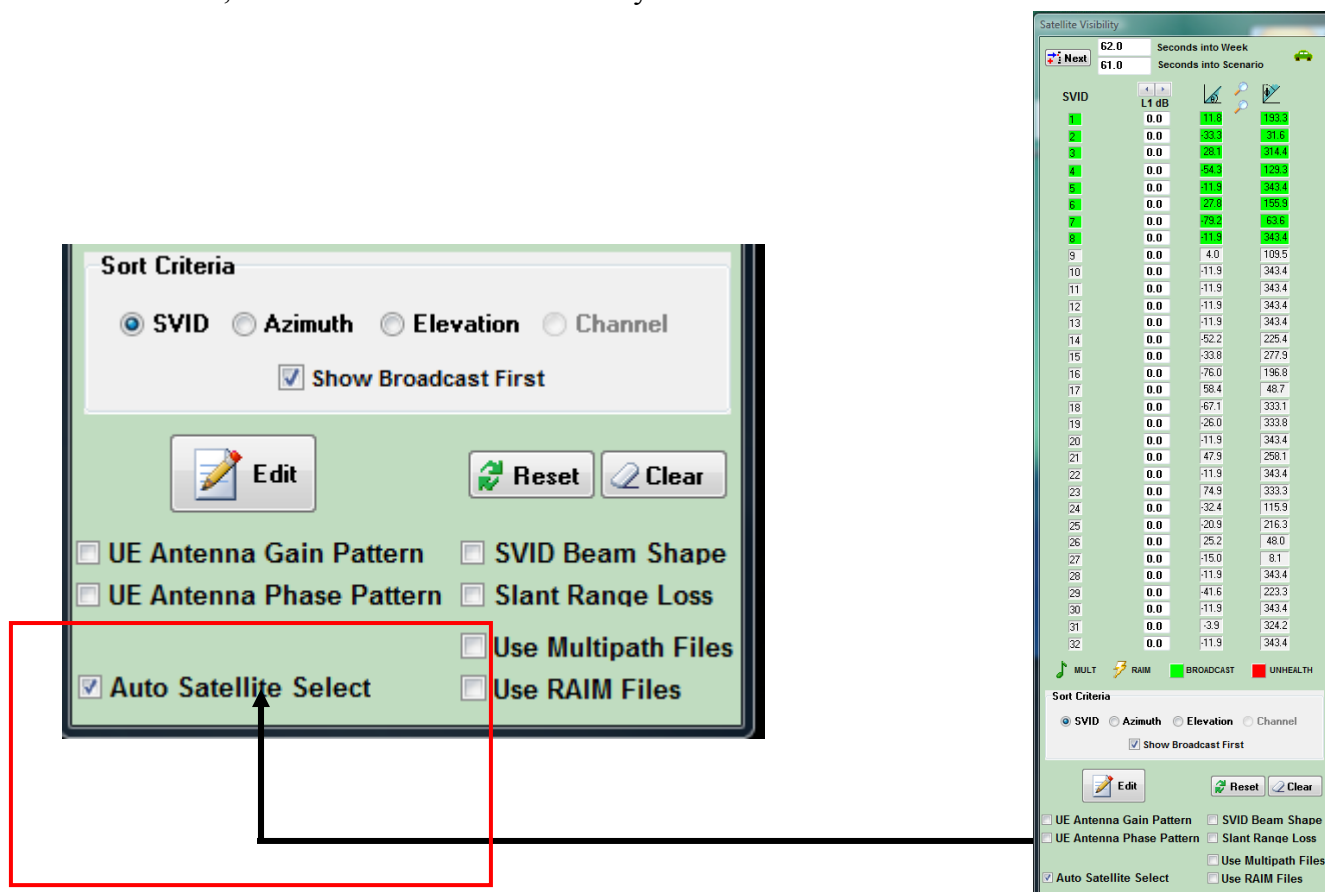
Satellite Record(s)

One record for each of 16 channels.
Channel ONE is the first record; Channel
TWO is the second record and so on...

a Satellite Record is composed of



These records are initially stored in a binary file called **SVSTATUS1.SCN**. This file is updated, modified, expanded and contracted throughout the course of the construction of a Scenario. It is only at *build time* that the ASCII file **SATPOWERPRO1.SCN** is created. When created, the contents are derived directly from the contents of SVSTATUS1.SCN.



TAPVPG creates SATPOWERPRO1 *just* before the final build process. Unless you have imported your SATPOWERPRO1 file correctly, TAPVPG will overwrite your file. To avoid this do the following:

1. Locate the **Auto Satellite Select** check box on the Satellite View Form. Uncheck it.
2. Build the Scenario – thus saving the checkbox setting.
3. Edit the SATPOWERPRO1.SCN file to your preference and place it in the scenario folder
4. Start up TAPVPG – the checkbox will be unchecked and your SATPOWERPRO1 will be used and not overwritten.
5. **NOTE.** Until you (re)check **Auto Satellite Select**, TAPVPG will not replace or update your assignment file

You may use an offline editor, such as Microsoft Word, to modify SATPOWERPRO1/2 to your specifications.



EDITING THE SATELLITE ASSIGNMENT FILE

If you just want to modify SATPOWERPRO1.SCN, **Build Scenario** provides an editor for this purpose. When you press DONE the changes will be incorporated instantaneously.

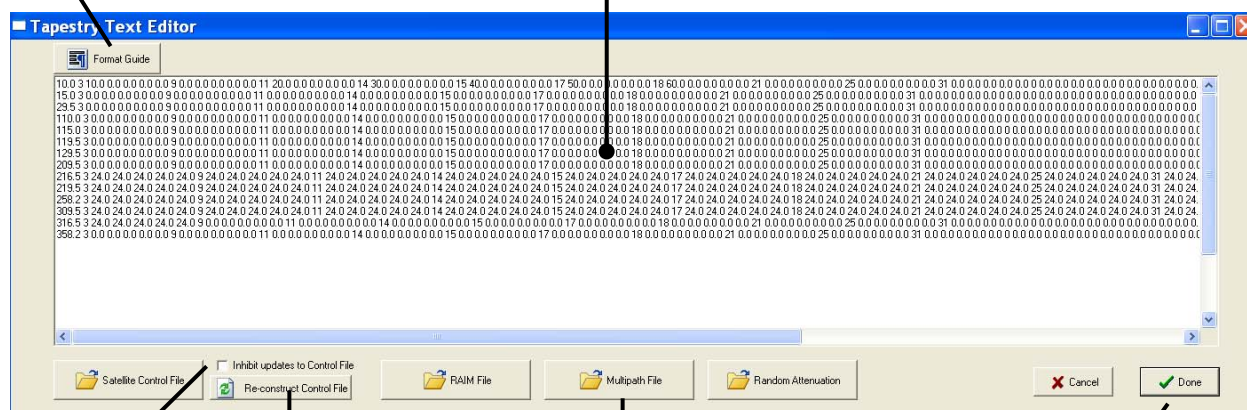
To edit (or view) the simulation files, locate the **UTILITIES** pull down menu.



Opens this document

Contents of displayed file

Edit [SatPowerPro File]



Build Scenario will automatically update the Power Profile when new maneuvers are added. Check this item if you only want your records to be used.

Opens RAIM, CHANNEL, & RANDOMIZE Control Files

You must click DONE to incorporate your changes into the Tapestry Data-Base

This will rebuild the Satellite Power Profile from the low-level binary file. Your edits will be lost.