Golden Unit Test

Step 1 – Load Golden TOSA into TBOBI. (make sure it is clean)

Step 2 – Power on TOSA and Establish Communications

* Set Chamber to room temperature – 25C
* Confirm TOSA powers on, record TOSA SN, record Optical Station Path

Step 3 – Select channels to use for testing on each TOSA.

Note: One low channel (channel 10-20) and One high channel (channel 70-80)

Note: Each Golden Unit needs to return to same channel every time it is inserted in the station (use a lookup table for TOSA SN vs low channel and high channel)

Set the Channel parameters so TOSA will power on the selected channel and will set its output power

Step 4 – Test TX power using OPM and record TOSA SN, Power reading, Path Loss value, Station Optical Path number

Step 5 – Measure Wavelength and record TOSA SN, Wavelength, Station Optical Path Number

Step 6 – Go to step 3 and repeat steps 4 and 5 using another channel for known good TOSA

Rotate TOSAs through station optical ports and repeat to build a history of TOSA vs Path. (this can be done over time but recommend rotating through to build history quickly)

Build SPC charts for TOSA SN, Path Number, Optical Power, Wavelength see examples below that accumulated 10 KGB runs.

Establish a TOSA history in the station before you can generate SPC charts by doing a preliminary run.

