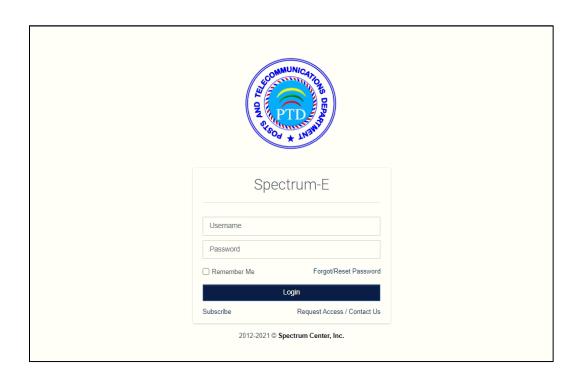
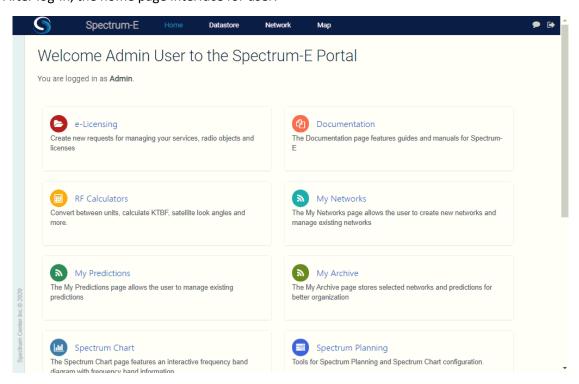
ASMS report

For phase 1

1. User interface for Automation Spectrum Management System:



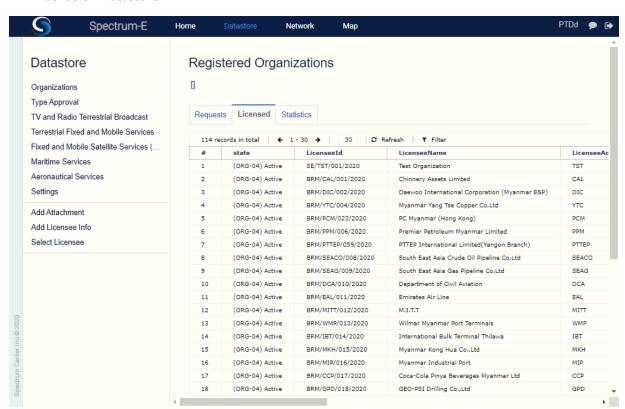
2. After log-in, the home page interface for user:



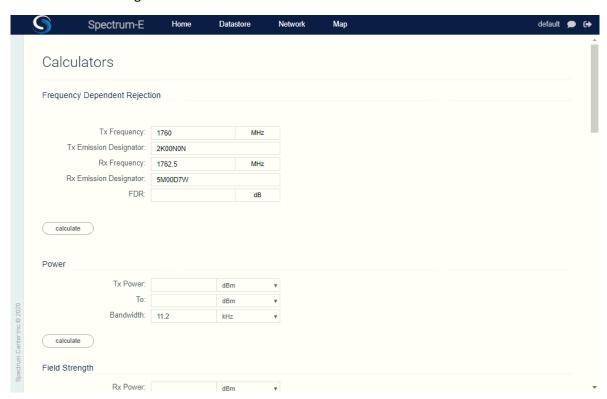
3. National Table Frequency Allocation



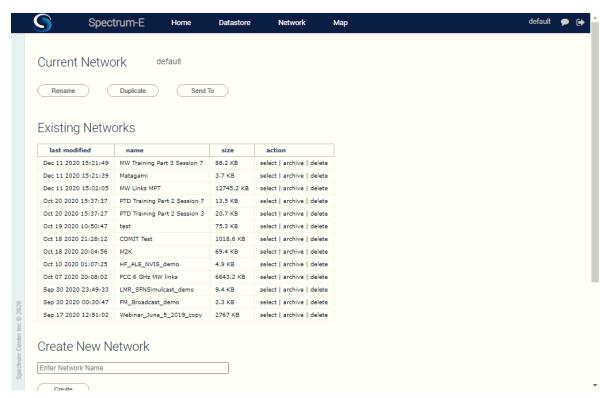
4. E-license on Datastore:



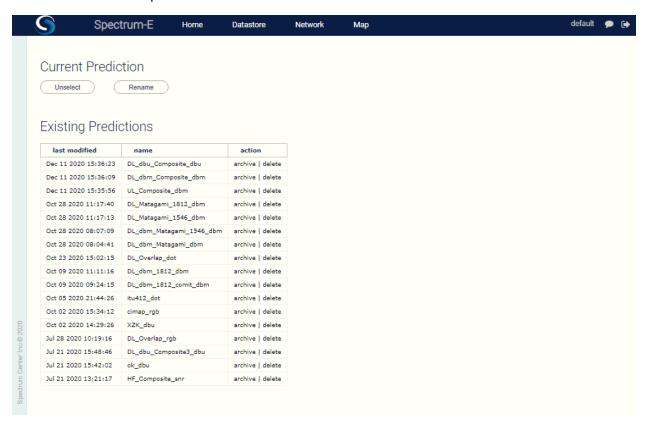
5. Calculation for RF signal



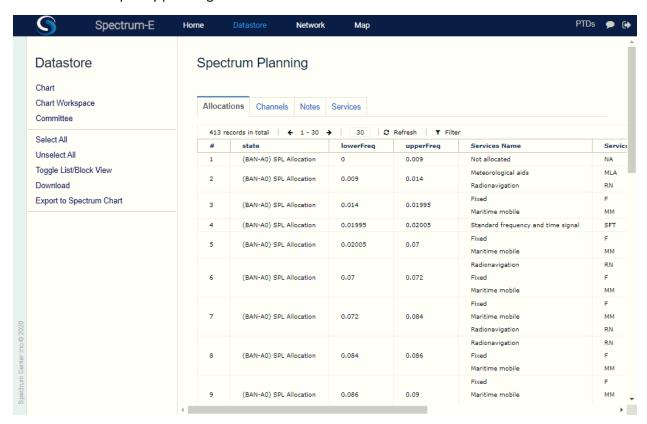
6. User can make the network data for checking and manage



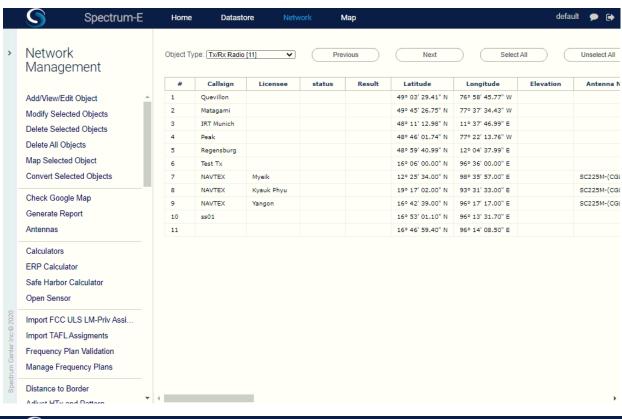
7. User can make the prediction or simulation for the network:

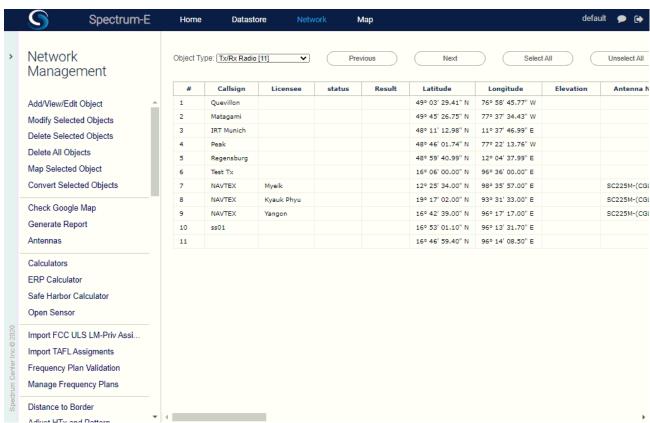


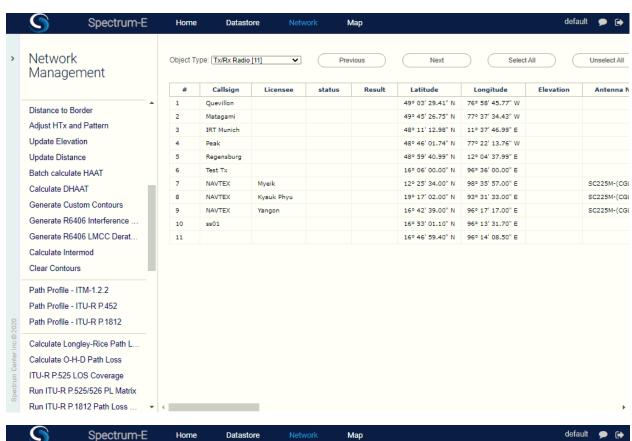
8. Can make frequency planning:

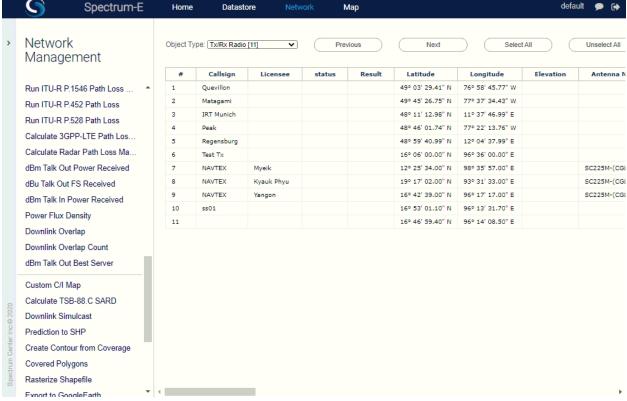


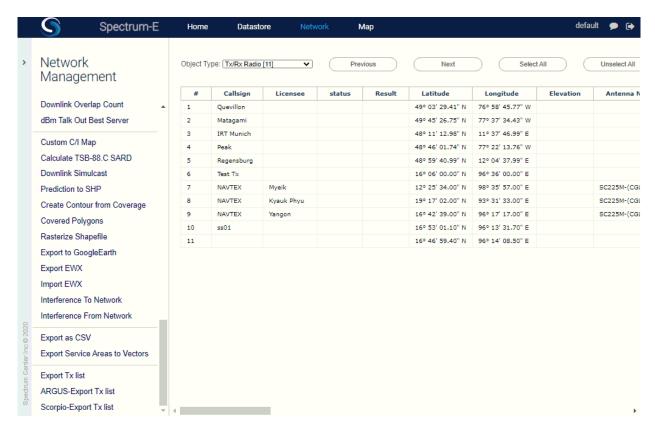
9. Engineering module



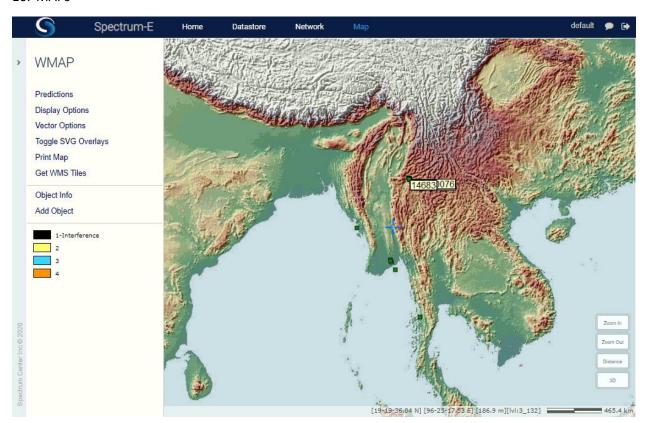




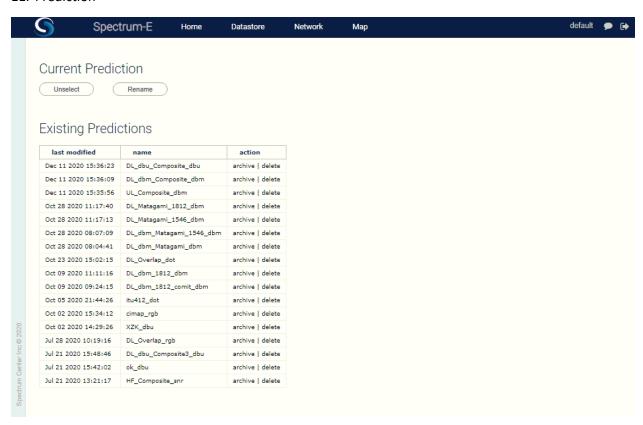


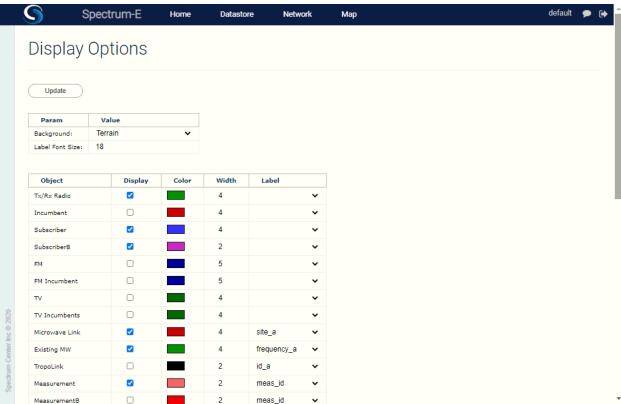


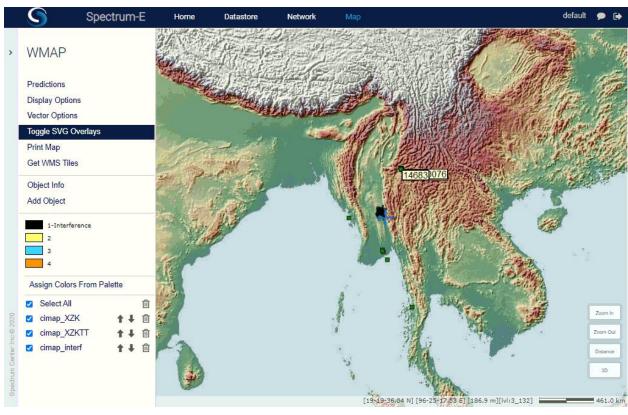
10. MAPs

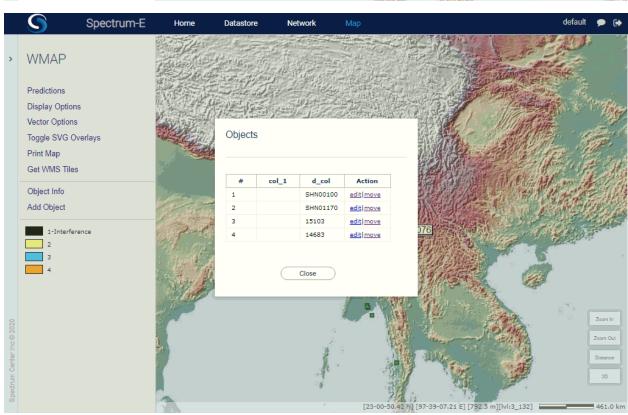


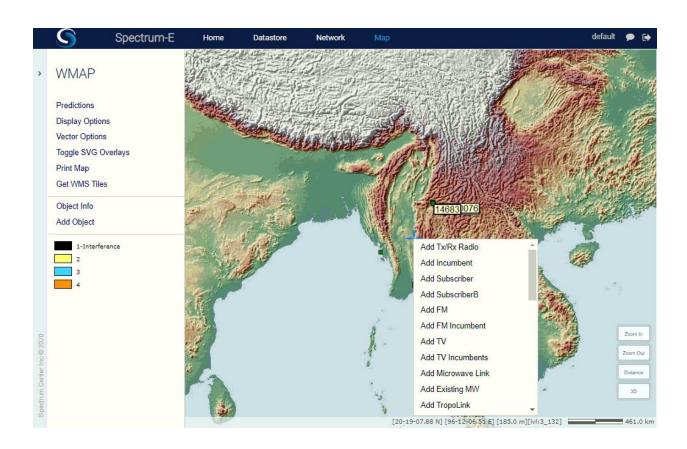
11. Prediction

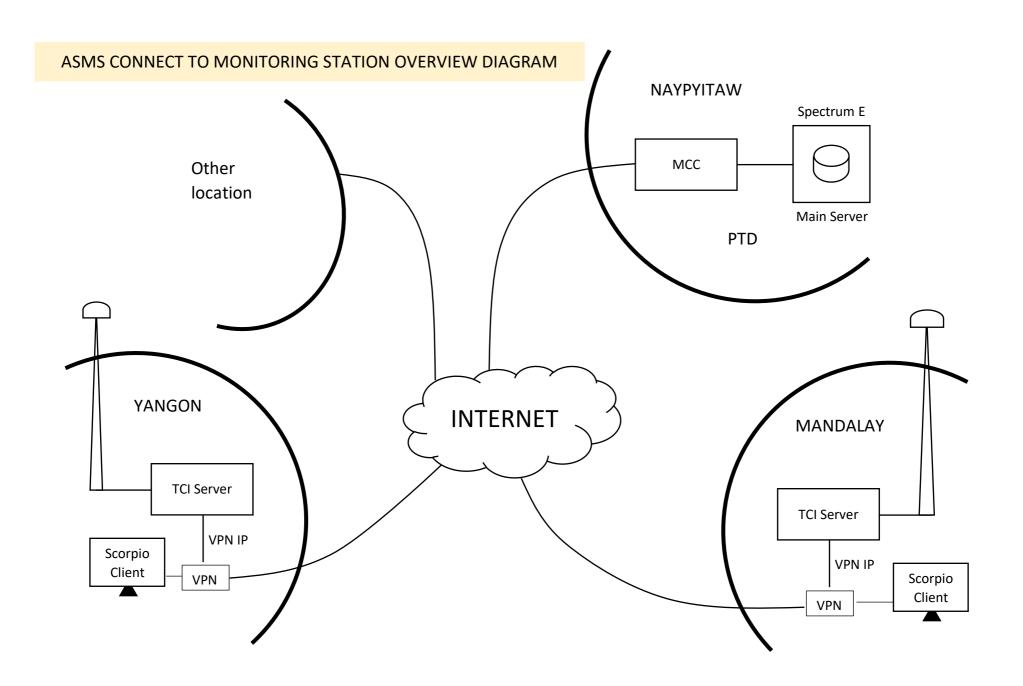




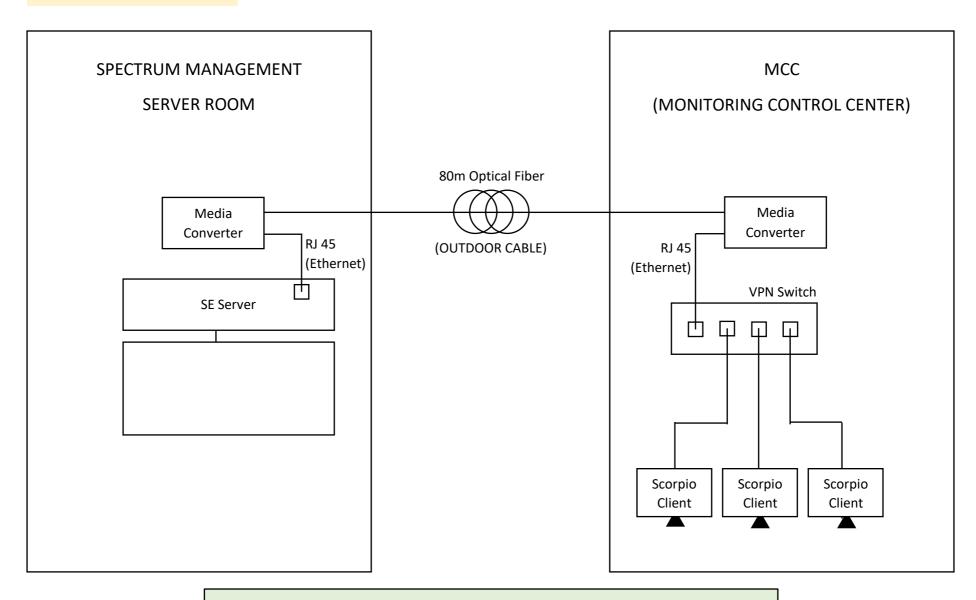




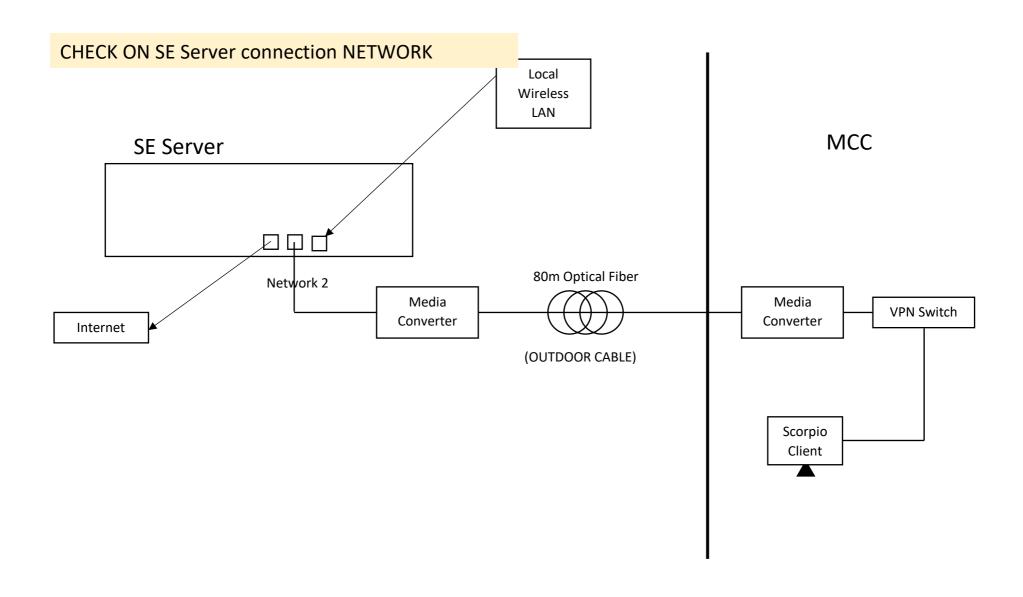


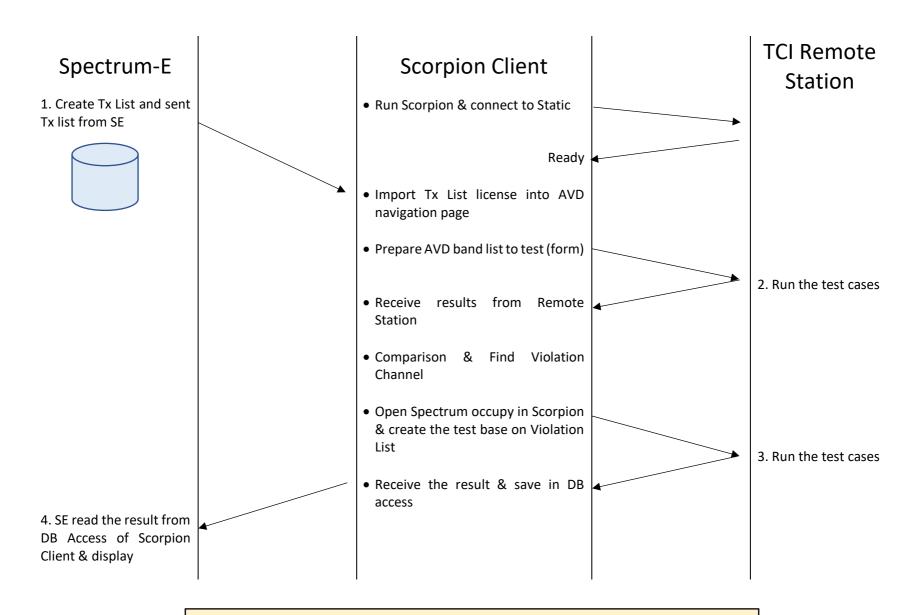


NAYPYITAW PTD OFFICE



FOR REMOTE CONNECTING TO MONITORING STATION



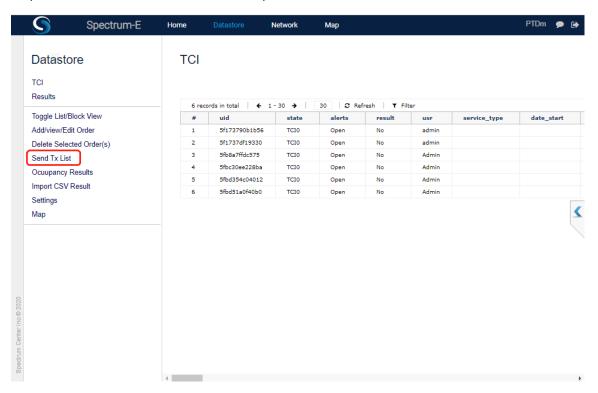


SPECTRUM-E - SCORPIO CLIENT - TCI REMOTE STATIONS PROTOCOL

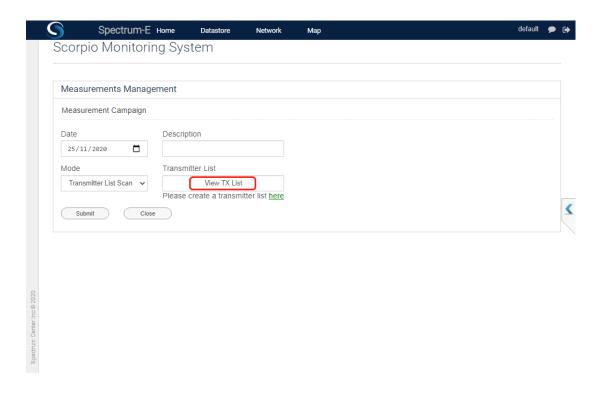
Remote Monitoring Module User Guide

1. Send Tx List (in Spectrum-E)

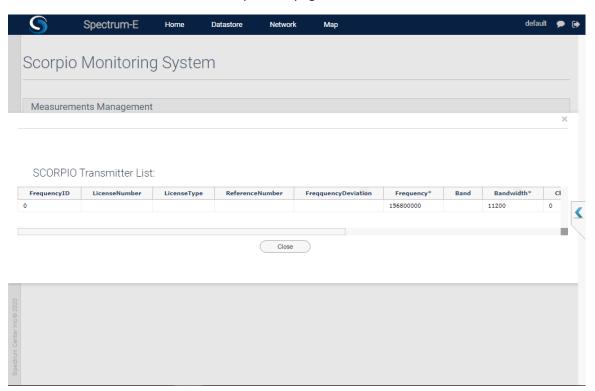
Step 1: To send transmitter list to the Scorpio Client folder, click on "Send Tx List".



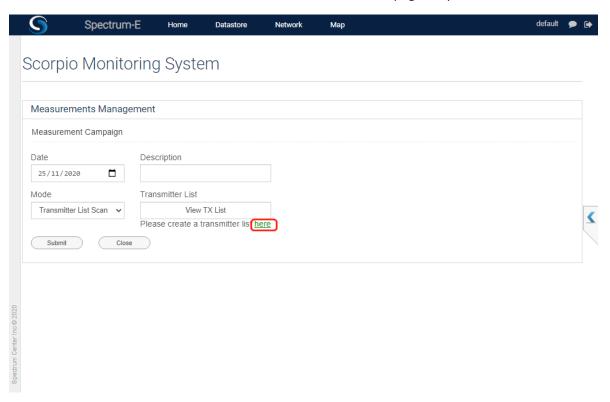
Step 2: User can click "View TX List" to preview the current transmitter list.



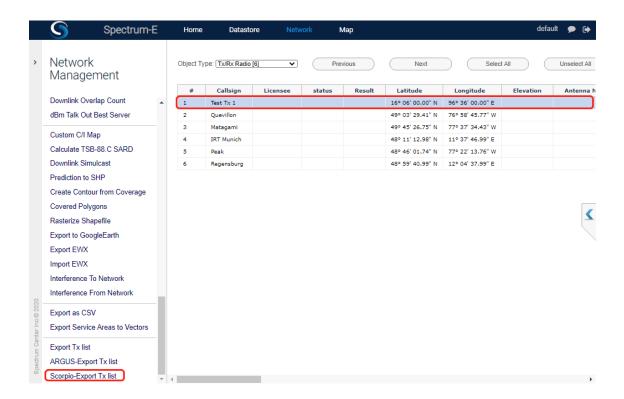
The screenshot below shows the Tx list preview page.



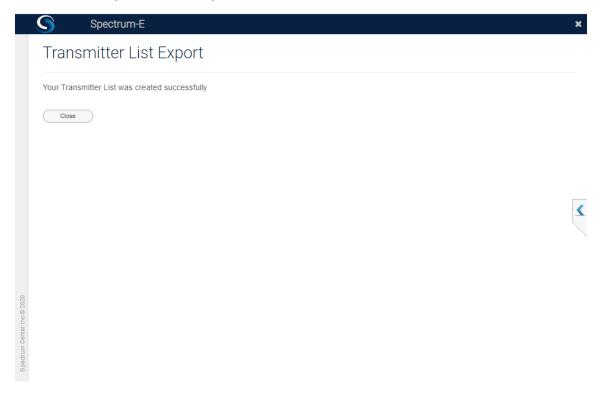
Step 3: If there is no transmitter list or user wants to create a new list, click the button that is marked red in the screenshot below. It will take the user to the Network page in Spectrum-E.



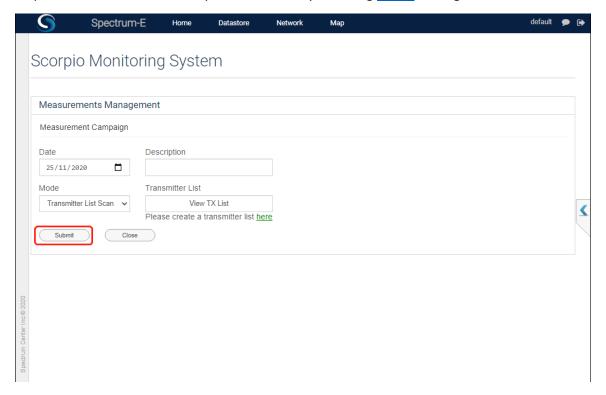
Step 4: User can create new Tx/Rx Radio objects or use existing objects. Next, select the objects that the user wants to put inside the transmitter list, and then click "Scorpio-Export Tx List" on the left-side menu bar.



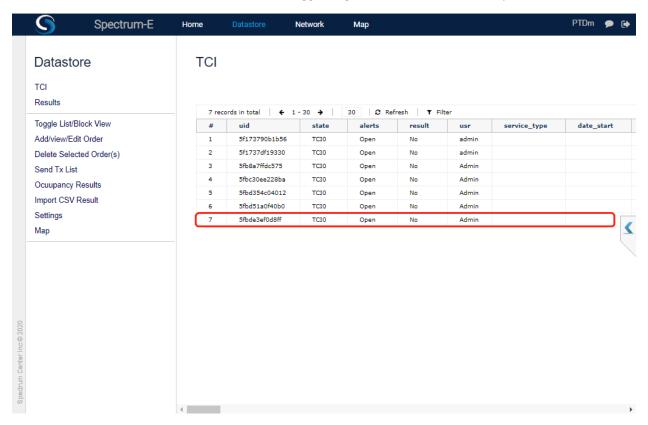
Step 5: If the transmitter list is created successfully, it will display the page below. Then user can go back to the monitoring datastore and go to "Send Tx List".



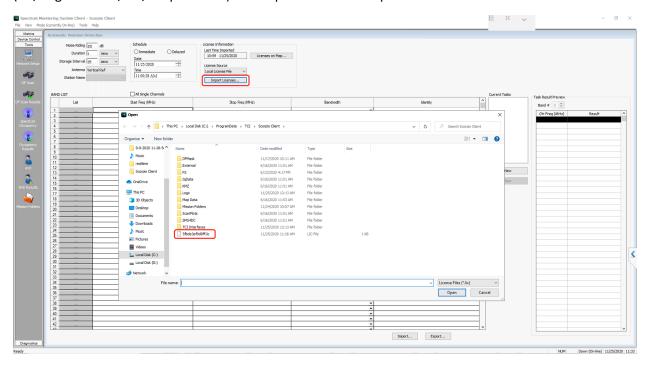
Step 6: User can check the newly created Tx list by following Step 2. If it's good, user can click Submit.



If the Tx list is successfully sent to the Scorpio Client folder, it will go back to the monitoring datastore and a new row of record is added to the table suggesting the "Send Tx List" task is performed.

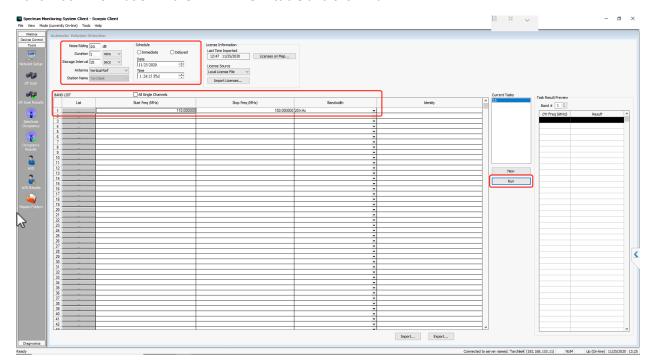


Step 7: In the Scorpio Client PC, user can find the .lic file in the Scorpio Client folder (C:\ProgramData\TCI\Scorpio Client) and import it to the Scorpio Client AVD window.

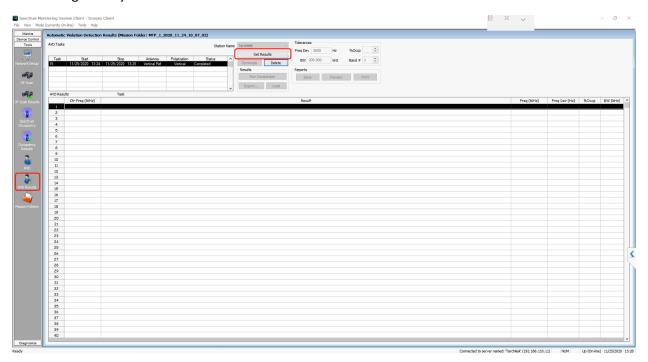


2. Run AVD analysis (in Scorpio Client)

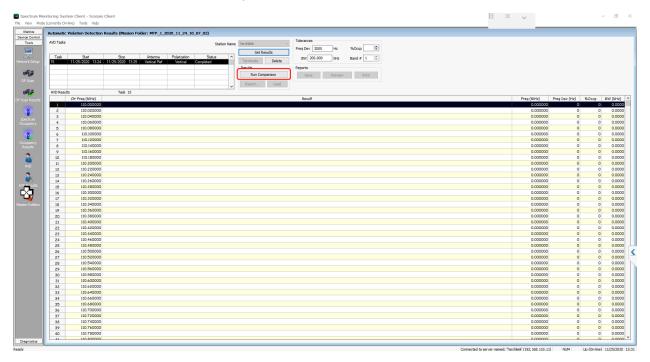
Step 1: After importing the .lic file, user can change settings at the top, input Start Freq, Stop Freq and Bandwidth information in the "BAND LIST" table and click "Run".



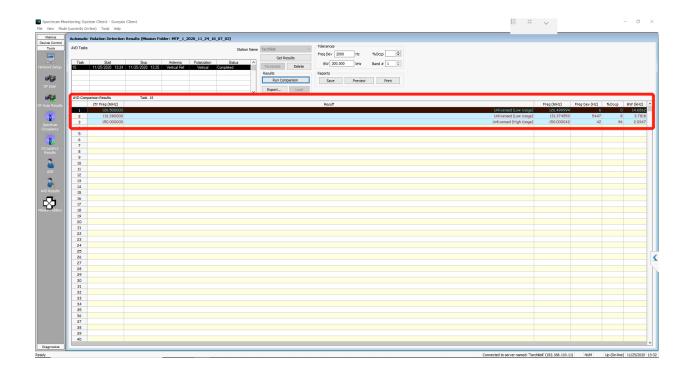
Step 2: Then the user can go to "AVD Results". If the task is completed, user can click "Get Results" button to get analysis results.



After results are shown, the "Run Comparison" button becomes available.

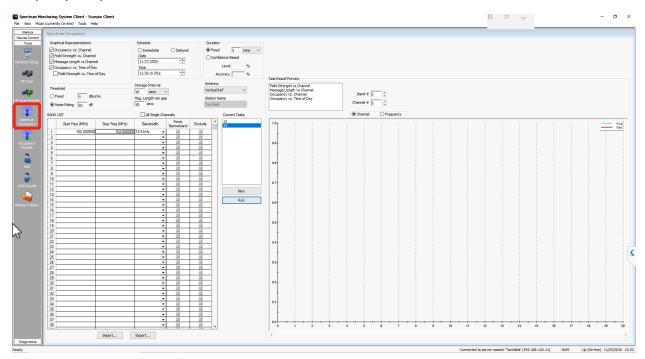


Step 3: Click the "Run Comparison" button to view comparison results.

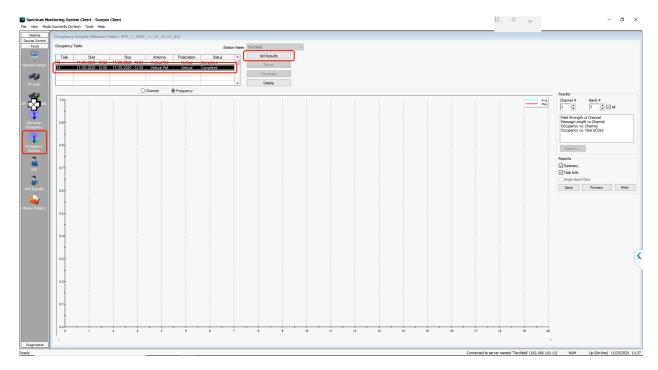


3. Run Occupancy analysis (in Scorpio Client)

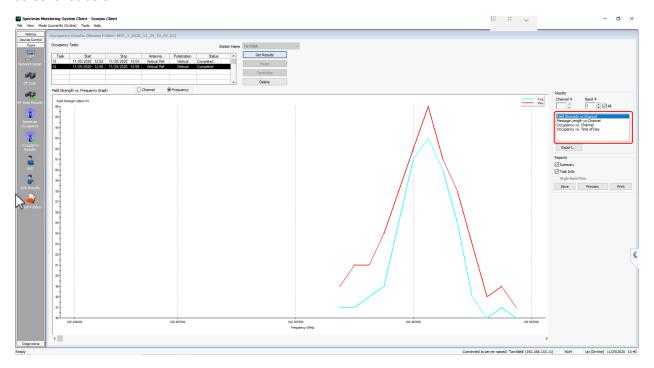
Step 1: Go to "Spectrum Occupancy" to run Occupancy analysis, user can change settings, input Start Freq, Stop Freq and Bandwidth information in the "BAND LIST" table and click "Run".



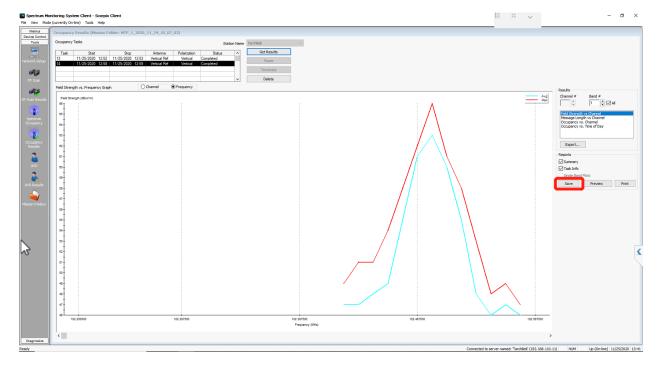
Step 2: User can go to "Occupancy Results". After a task is completed, user can click on a completed task in the task list at the top and click "Get Results".



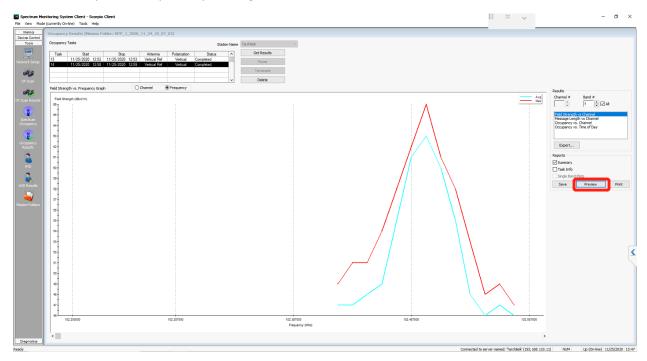
Step 3: Then user can select the type of result graph to view in the selection box marked red in the screenshot below.



Step 4: Click the "Save" button to save results as reports in PDF.

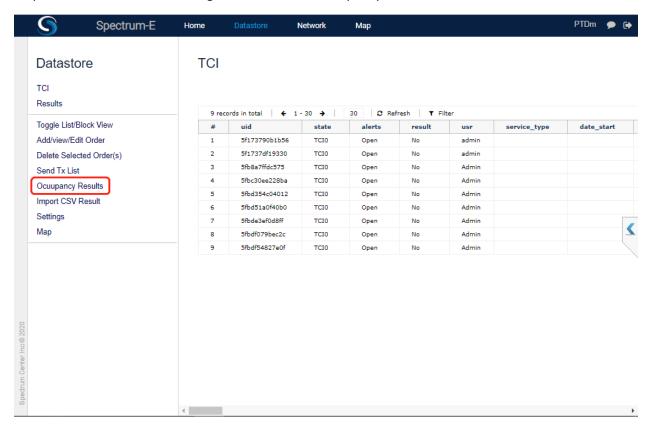


User can also preview reports by clicking the "Preview" button.



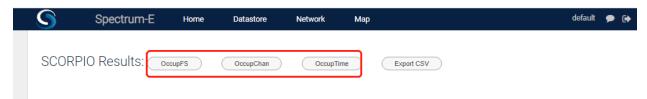
4. View Occupancy Results (in Spectrum-E)

Step 1: In the Remote Monitoring datastore, click "Occupancy Results" on the left menu bar.



Step 2: The user will be shown a page with three buttons for each type of result from the analyses ran above:

- Field Strength (occupFS)
- Channel Occupancy (OccupCan)
- Time Occupancy (OccupTime)



User can click on any of these 3 buttons to view results. An example is shown below. To customize the results, the user can export results to CSV file pressing the "Export CSV" button.

