ICAO SAFETY

Frequency Finder

3 Test Frequency

Workshop

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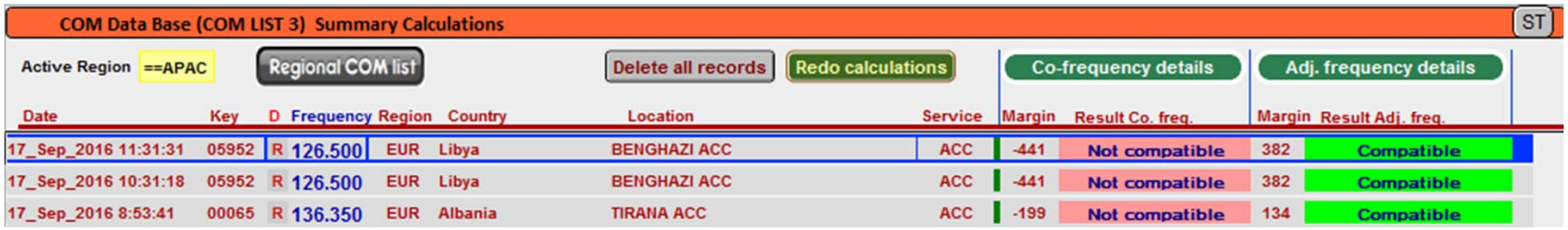
Test Frequency (1)

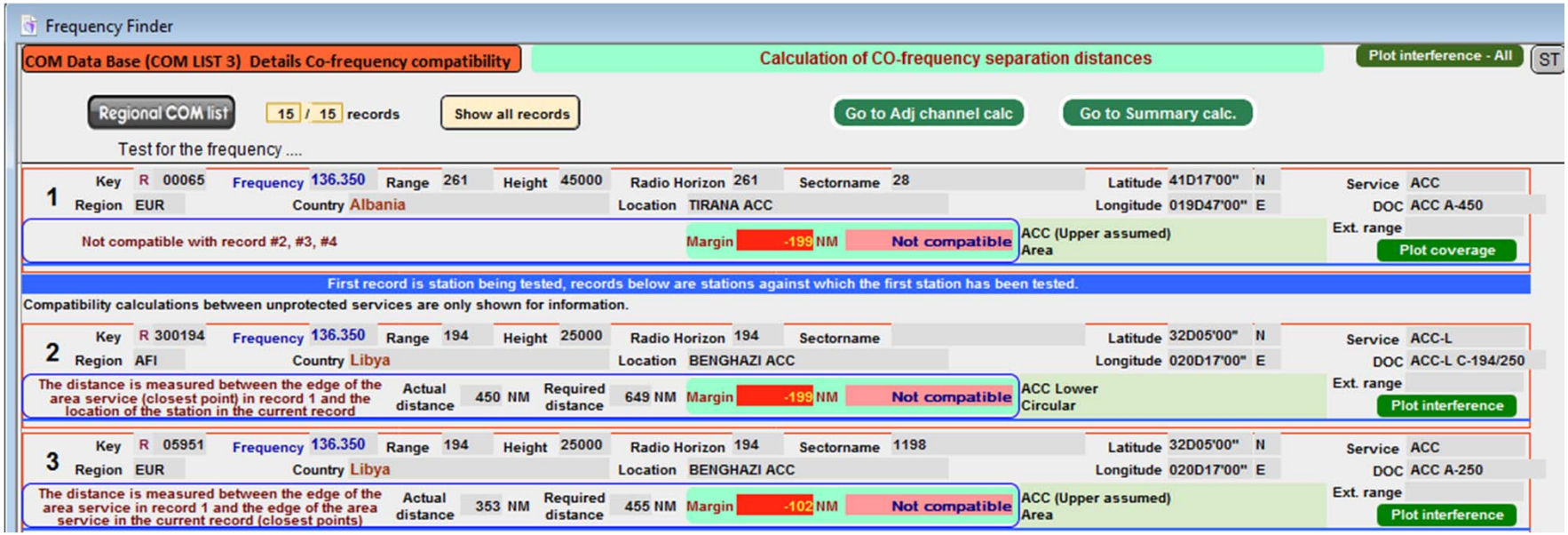
- Click button *Test Frequency* on window *COM list 3*
- Options:
  - Test Single Frequency
  - Test found frequencies
    (all frequencies in the found-set)
- As desired by the user, the calculation results can be displayed on a map with Google Earth.
- When the calculations are completed the window *Summary Calculations* is displayed

Test Frequency (2)
Summary calculation results (1)



- Presents most recent and earlier test results
- Option to redo earlier tests with button with button *Redo* or click in field *Co-frequency details*
- Option to view detailed co- and adjacent calculation results of the most recent test. Click button Co- or Adj frequency details
- Alternatively the user can navigate to the window *Summary Calculations* with the button *Calculation Results* on the window COM list 3

Test Frequency (3)
Detailed calculation results – Co-frequency (1)



- Displays for each frequency against which the new/modified frequency has been tested details of the compatibility between the two frequency assignments

Test Frequency (4)
Detailed calculation results – Co-frequency (2)

- Details include
  - Actual distance between the two stations
  - Minimum required distance
  - Margin in NM (positive figure means frequency assignment are compatible; negative figure means frequency assignments are not compatible
  - Message “Compatible” or “Not Compatible”
  - If the station is part of an extended range family
  - If the station is linked to a specific area (polygon)

Test Frequency (5)

Detailed calculation results – Co-frequency (3)

Buttons (1)

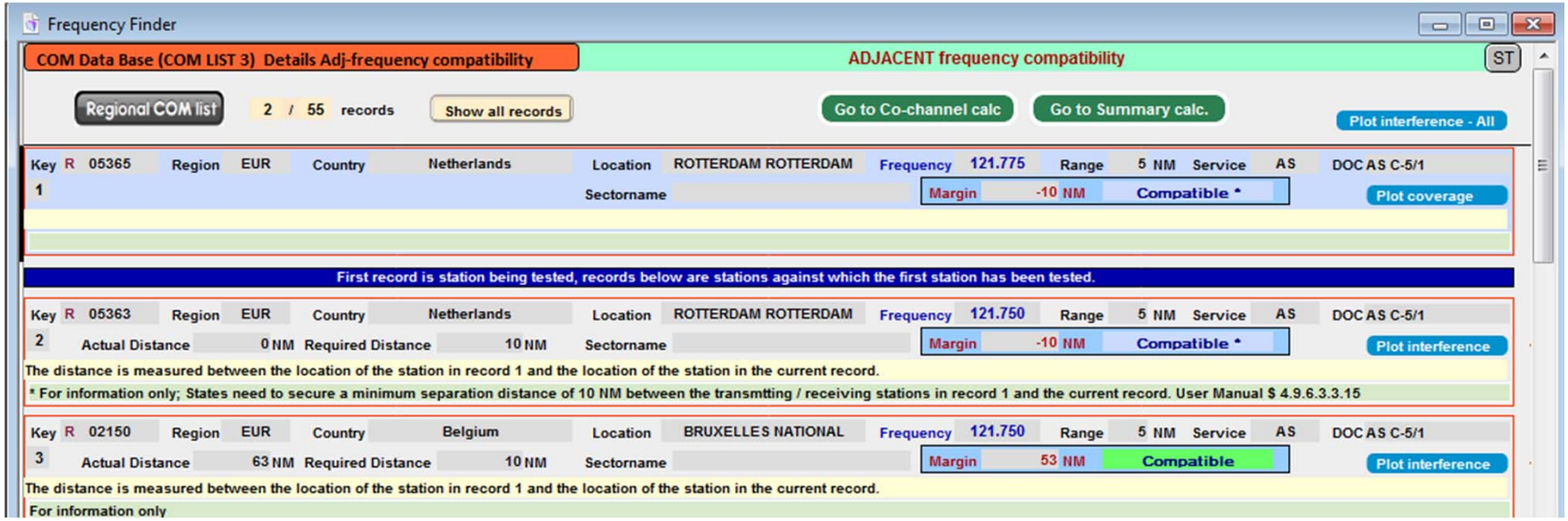
- Regional COM list
  - Returns COM list 3 with the selected frequency
- Show all records
  - Show all records used in the calculation
- Go to Adj channel calc.
  - Navigate to the window with adjacent channel calculation results
- Go to Summary calc.
  - Navigate to the window with summary calculation results

Test Frequency (5)
Detailed calculation results – Co-frequency (3)
Buttons (2)

- Plot interference – all
  - Plot compatibility of all frequency assignments in the table
- Plot coverage
  - Plot coverage of the station that has been tested
- Plot interference
  - Plot interference or compatibility of the station that is being tested with the selected station against which compatibility is tested.

Test Frequency (6)

Detailed calculation results – Adjacent frequency (1)



- Displays for each frequency against which the new/modified frequency has been tested details of the compatibility between two adjacent frequency assignments

Test Frequency (7)
Detailed calculation results – Adj-frequency (2)

- Details include
  - Actual distance between the two stations
  - Minimum required distance
  - Margin in NM (positive figure means frequency assignment are compatible; negative figure means frequency assignments are not compatible
  - Message “Compatible” or “Not Compatible”
  - If the station is linked to a specific area (polygon)

Calculation results (1)

- Button Calculation results.
  - Navigates to the window with the summary of previous compatibility calculations.
- Re-do earlier calculations when COM list 3 was modified
- Navigate to windows with detailed compatibility analysis for co- and adjacent frequency assignments
- More information in slides with Test Results