

Frequency Finder Workshop

Lima, Peru, 6 – 10 March 2017

Excercises:

1. Query:

a Query database for SAM – Peru – Lima Callao Jorge Chaves Intl – 127.900 MHz

- On window COM list 3, click the button *Query*.
- On window *Query database* select from drop-down menu in field *Country* Peru
- From the drop-down menu in the field *Location* select **Lima Callao Jorge Chaves Intl**
- From the drop-down menu in the field *Frequency* select **127.900 MHz**.
- Click button *Find*

Now you should see an ATIS frequency at the selected location

b Re-do and modify query

- In the dialog box in the field *Service* select from the drop-down menu ACC-U.
- Click button *Find*.

Now you should see two ACC-U frequencies at the selected location

c Return results of last Query.

- Click button *regional COM list*; this button returns the Regional COM list 3 (about 2538 frequency assignments).
- Click button *Active Find*. *This returns the results of the last query.*

d. Find all frequency assignments for the service ACC-U in your country.

Note: For the frequency assignments which are listed in COM list 3 for the SAM Region, no use is made of area services for which the area is described through a polygon (e.g. an FIR Sector).

2 Select frequencies

- If the button *SELECT* is green, a previous query/selection is active a dialog box invites the user to clear or return the last query/selection. Click button *Clear* on this dialog box which returns the Regional COM list 3.
- Scroll to the frequency you want to select.
- Click button *SELECT* on the window *COM list 3*. The frequency assignment selected is now the first frequency from you manual selection. The button *SELECT* is now red.
- Scroll to another frequency assignment and click mouse button.
- Click more frequency assignments as desired
- When the manual selection is complete, click the button *SELECT* again. The button *SELECT* turns green and the manual selection is displayed.

Note: when a query or a selection of frequency assignments has been made, the button *Active Find* is displayed on the window *COM list 3*. Click this button to return the last query/selection.

3. Test Frequency

Test frequency is an automatic process. Frequency Finder offers the option to test a single frequency assignment and plot on a map the results of the compatibility calculations or to test a series of frequency assignments (these are a result of a query or selection).

With Test Frequency, the results of the compatibility calculations are to be interpreted by the user in cases where Frequency Finder found that frequency assignments were not compatible.

Testing of the compatibility of some frequency assignments in Peru.

Query the COM list 3 for all frequency assignments in Peru.

Perform the compatibility test for these frequency assignments. Click button *TEST FREQUENCY* and select from the drop-down menu *Found Frequencies*

After all compatibility calculations have been completed, the window *Summary calculations* is returned.

- Find the record for: **Peru, Lima Callao Jorge Chaves Intl, Frequency 119.500 MHz.**
- Now test with the button *Test Frequency*, select *single frequency* and from the dialog box select *Map*. Interference is predicted; go to window *Go to Co-frequency details*, which shows that interference is predicted between the location of Talara, Peru.
- Start interpreting the frequency assignments that are shown to be incompatible with the frequency assignment in Kuwait.

Exercises:

Select all frequency assignments in your country.

Test all these frequency assignments

Look at each incompatible frequency assignment to determine if or what action is required.