White Space analyzer

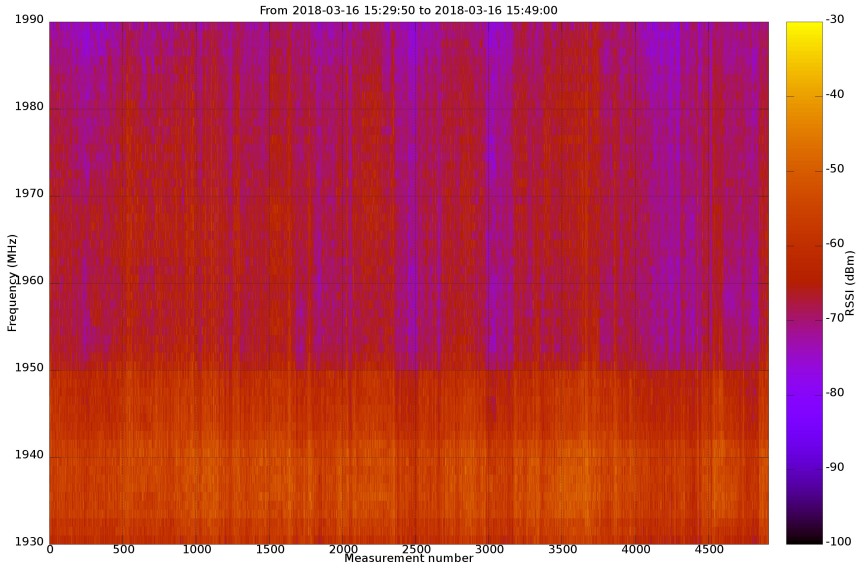
Measurements carried out with RFTrack (http://wireless.ictp.it/tvws/rftrack/) over the specified frequency range and antenna.
Remember that most TV signals are vertically polarized.
The received signal level measured in dBm is dependent on the antenna gain and orientation.

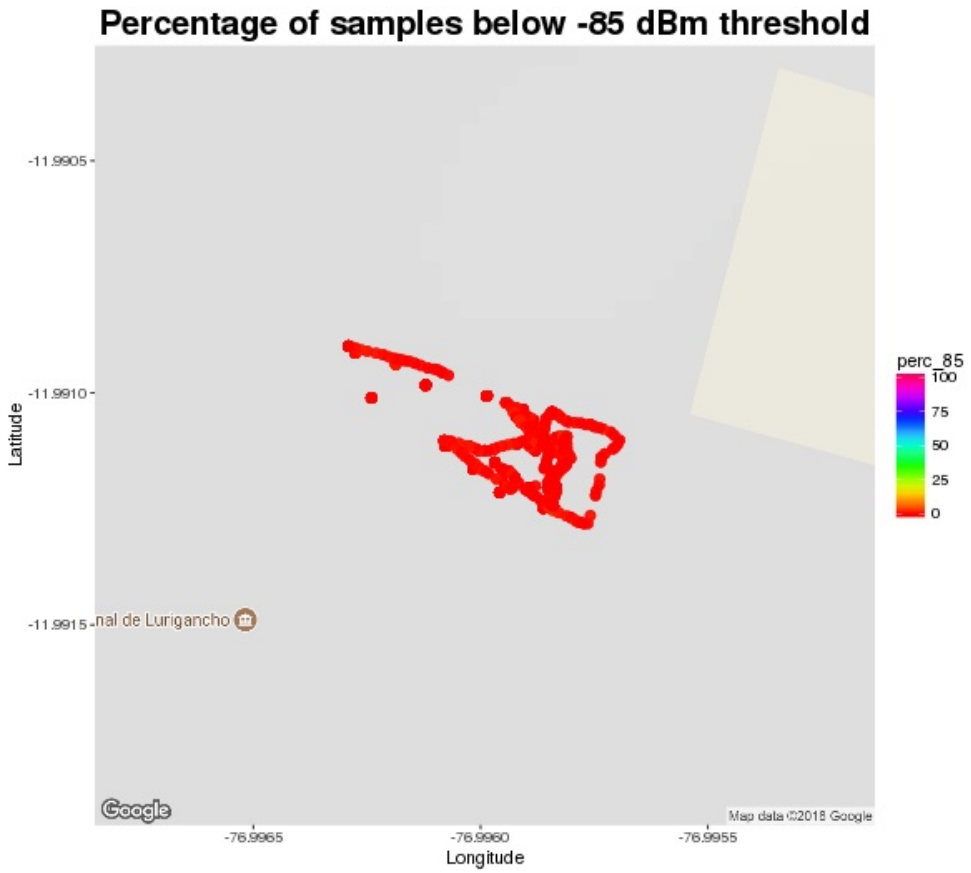
Campaign measurements info

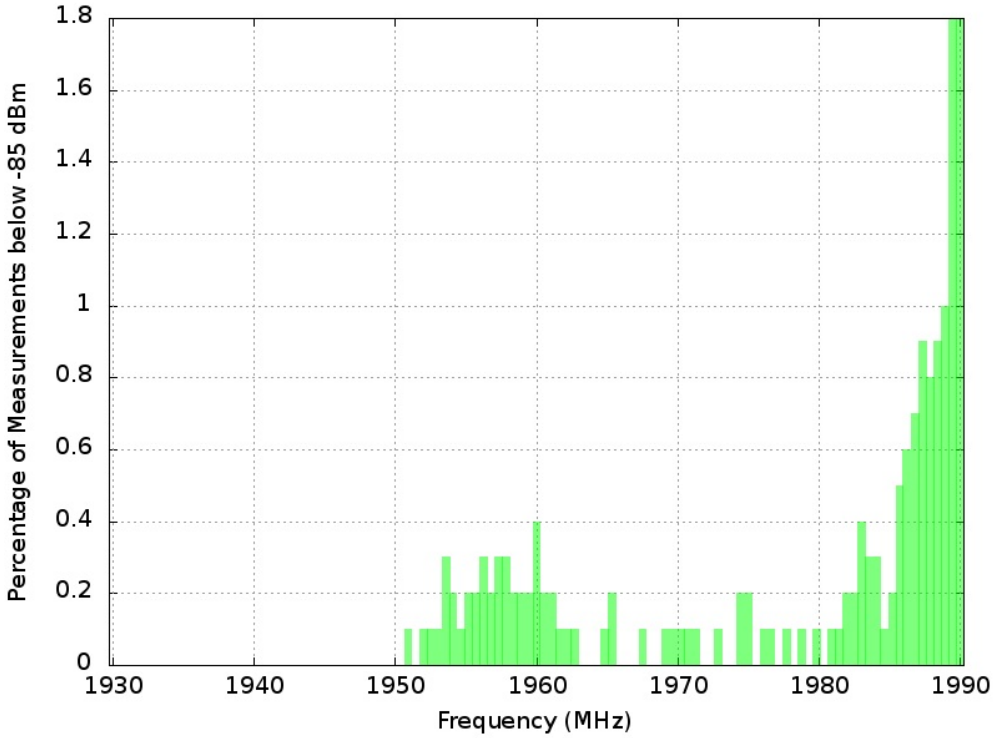
Info	Value
Campaign date:	2018-03-16
Campaign duration:	0:19:10 (hour:min:sec)
Route length:	0.6 Km
N. points:	4911
Country:	no info
Country Code:	PE
Place of measurement:	Urbanización La Huayrona
Region:	no info
Population:	0

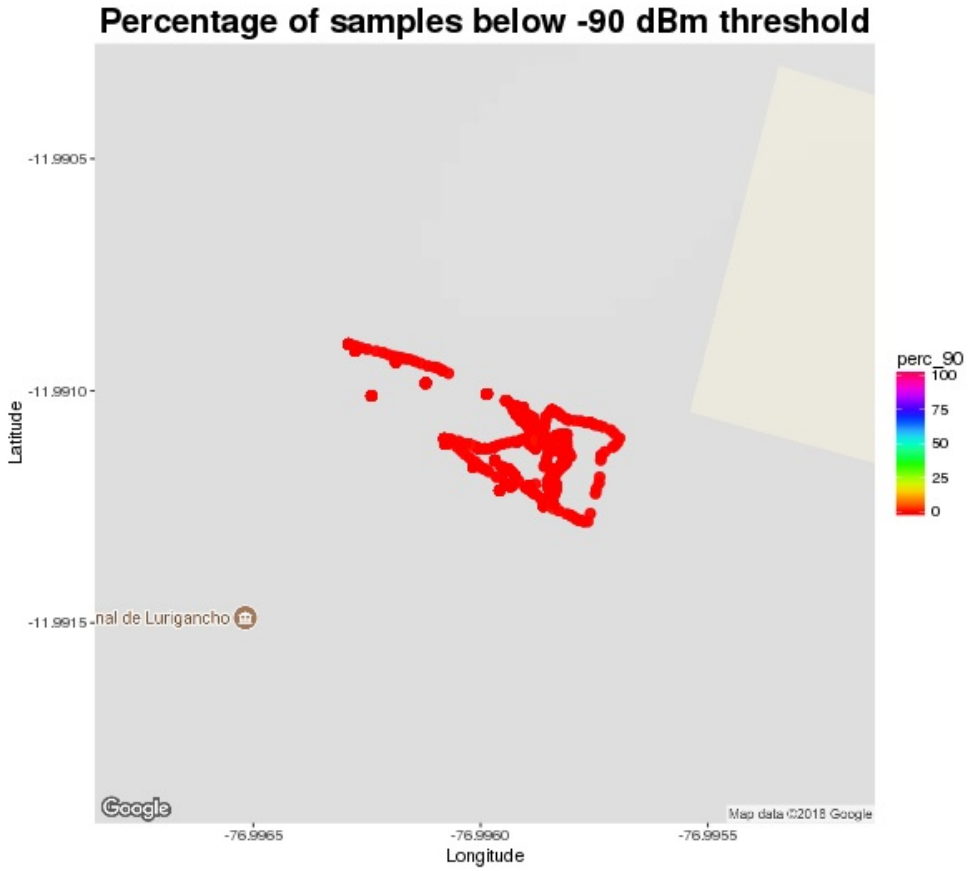
Spectrum Maps

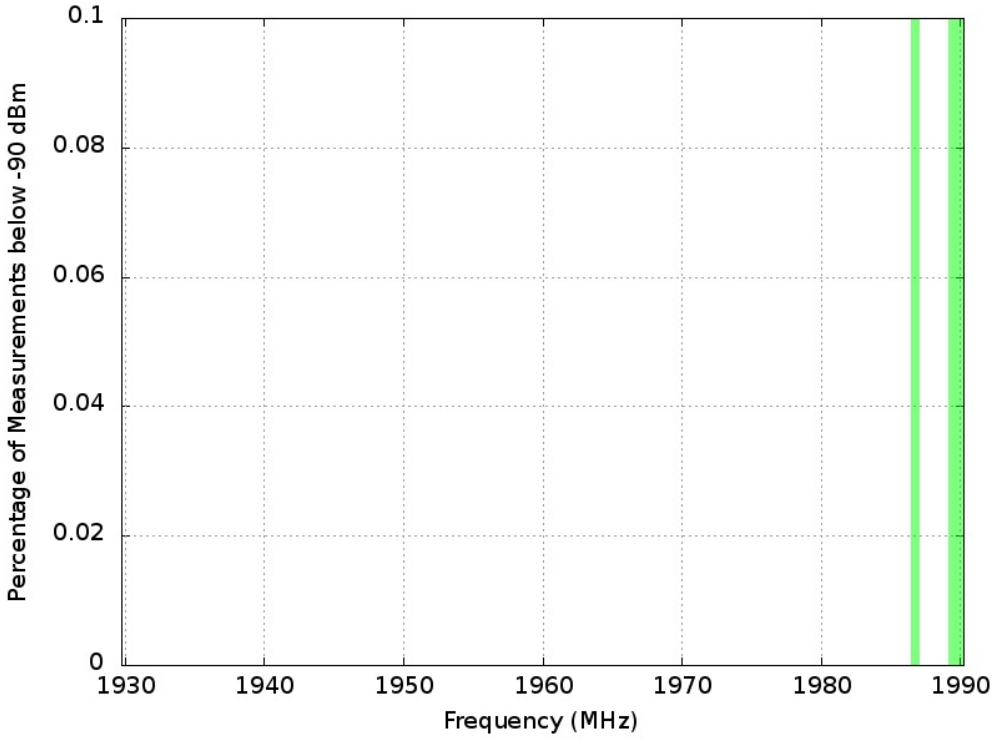
The first image shows power levels over time (number of measurements), the following images show different thresholds of spectrum occupancy.

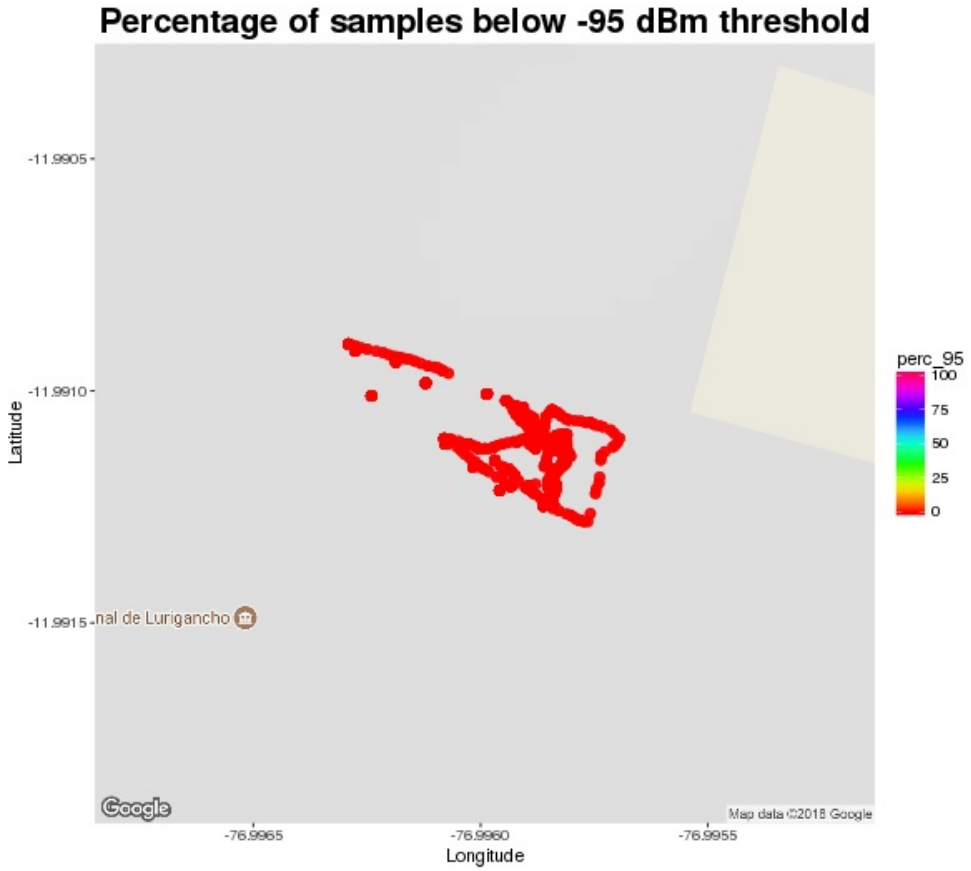


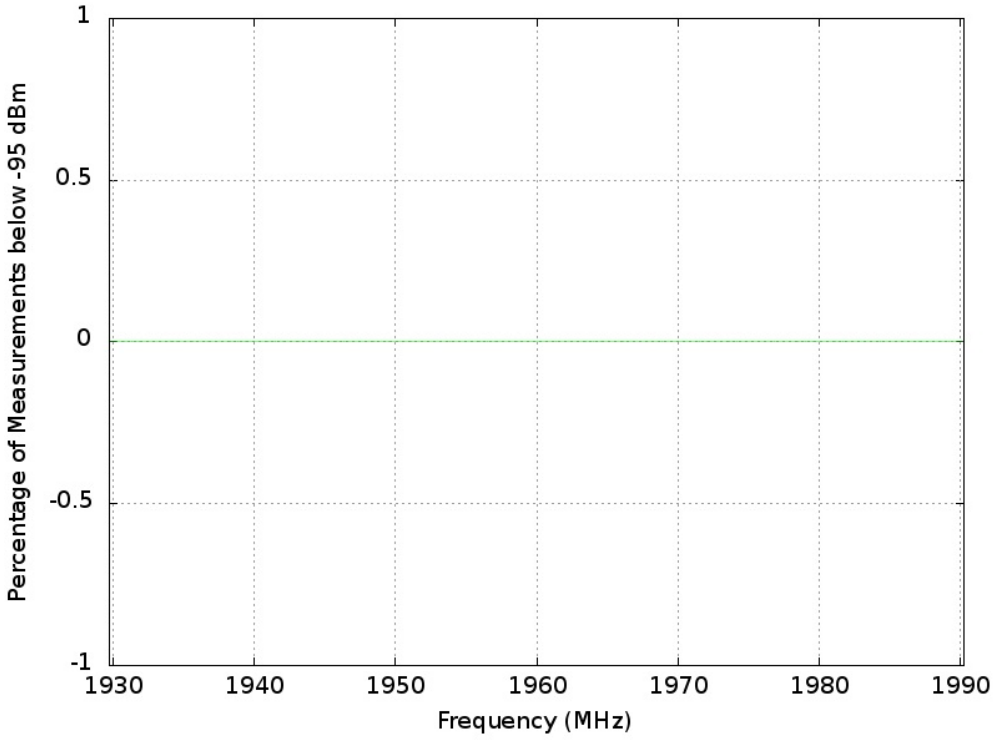


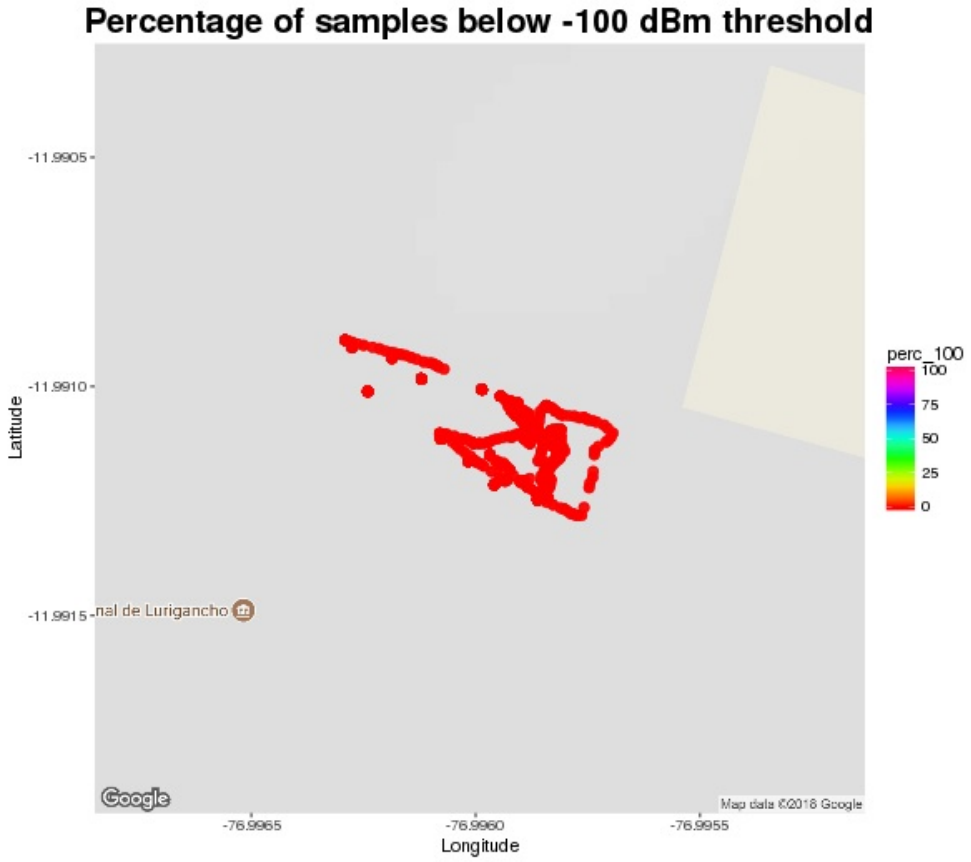

Percentage of Measurements below -85 dBm
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1930
1940
1950
1960
1970
1980
1990
Frequency (MHz)

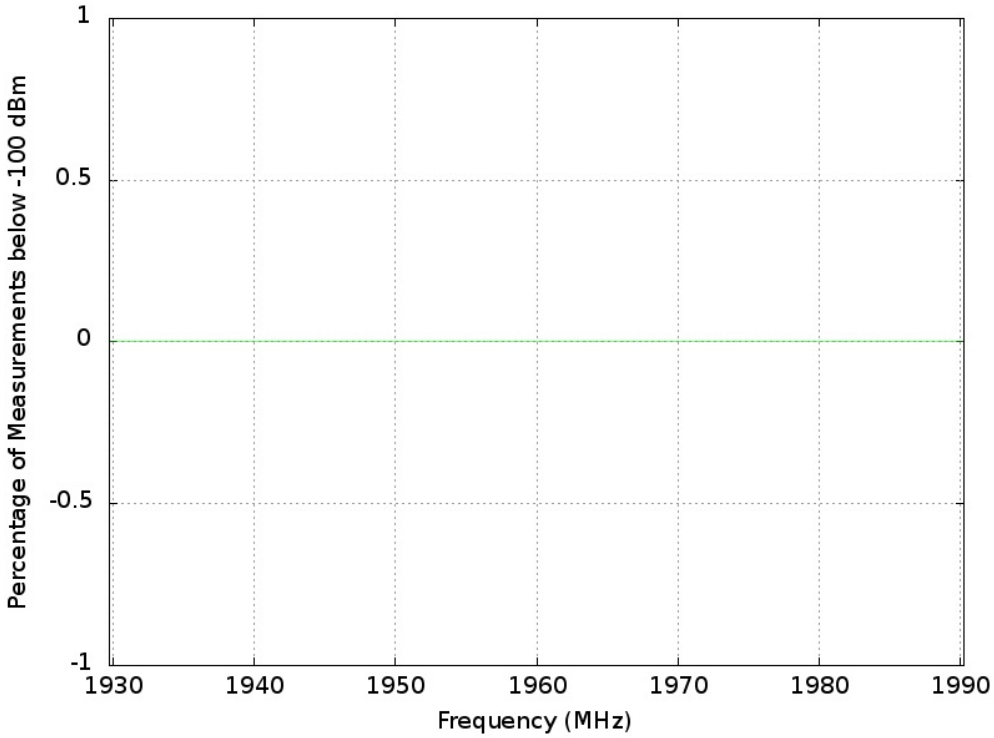

Percentage of samples below -90 dBm threshold
-11.9905
-11.9910
-11.9915
Latitude
nal de Lurigancho
Google
Map data ©2018 Google
-76.9965
-76.9960
-76.9955
Longitude
perc_90
100
75
50
25
0


Percentage of Measurements below -90 dBm
0.1
0.08
0.06
0.04
0.02
0
1930
1940
1950
1960
1970
1980
1990
Frequency (MHz)


Percentage of samples below -95 dBm threshold
-11.9905
-11.9910
-11.9915
Latitude
nal de Lurigancho
Google
Map data ©2018 Google
-76.9965
-76.9960
-76.9955
Longitude
perc_95
100
75
50
25
0


Percentage of Measurements below -95 dBm
1
0.5
0
-0.5
-1
1930
1940
1950
1960
1970
1980
1990
Frequency (MHz)


Percentage of samples below -100 dBm threshold
-11.9905
-11.9910
-11.9915
Latitude
nal de Lurigancho
Google
Map data ©2018 Google
-76.9965
-76.9960
-76.9955
Longitude
perc_100
100
75
50
25
0


Percentage of Measurements below -100 dBm
1
0.5
0
-0.5
-1
1930
1940
1950
1960
1970
1980
1990
Frequency (MHz)

Percentage of measurements below threshold value
100
80
60
40
20
0
500
1000
1500
2000
2500
3000
3500
4000
4500
Measures

Sponsor

The project was supported by the Shuttleworth Foundation (https://www.shuttleworthfoundation.org/)

SHUTTLEWORTH FUNDED

Copyright © 2015

Wireless T/ICT4D Lab (http://wireless.ictp.it)
Marco Rainone - SolviTech (https://www.linkedin.com/in/marcorainone)