White Space analyzer

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

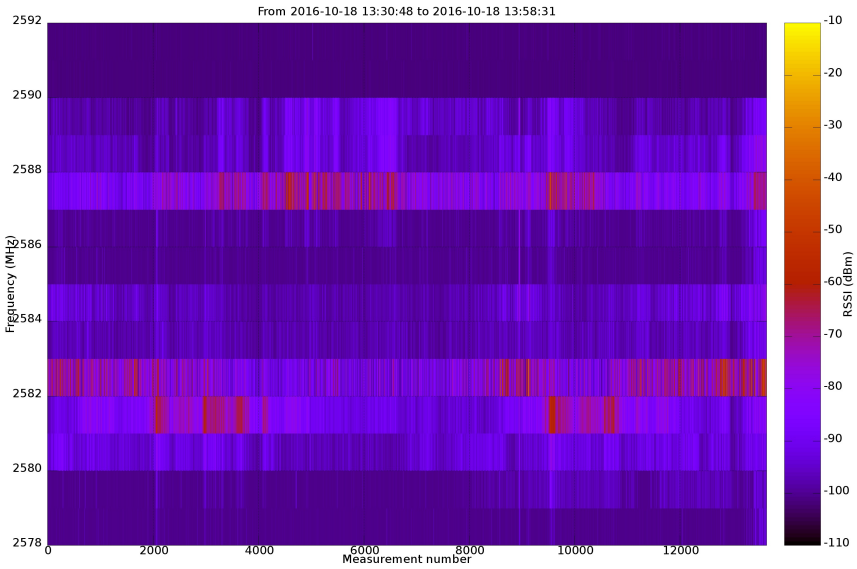
Campaign measurements info

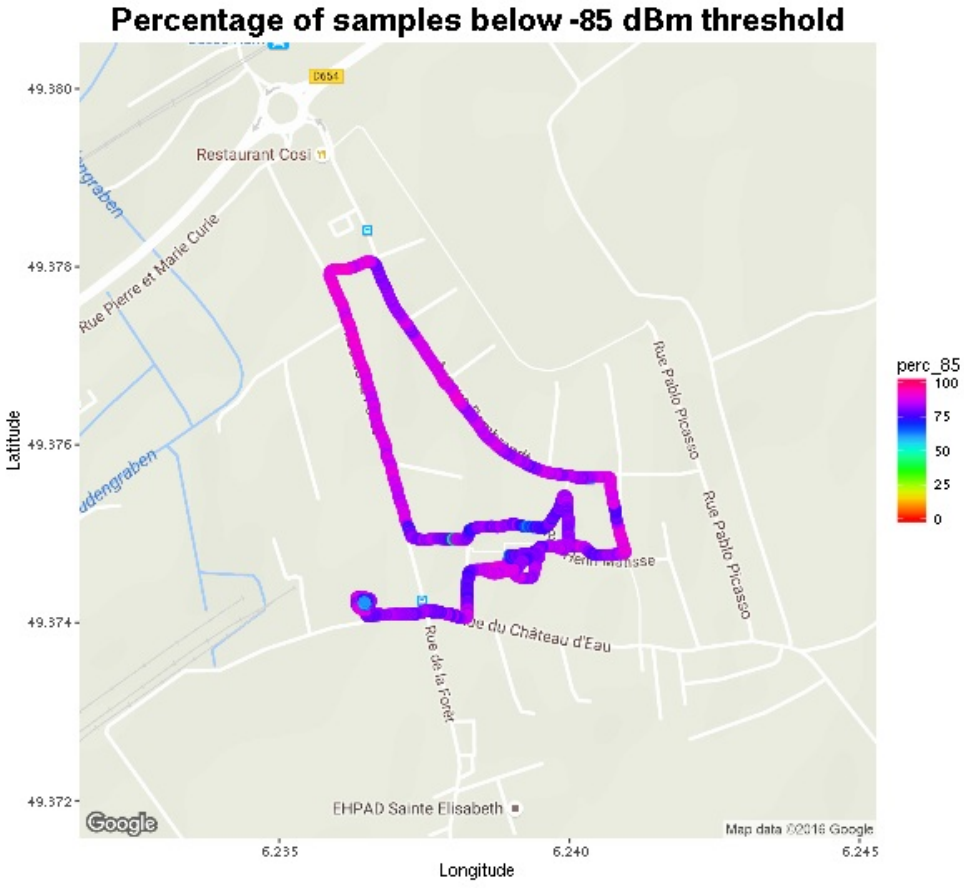
Campaign Route

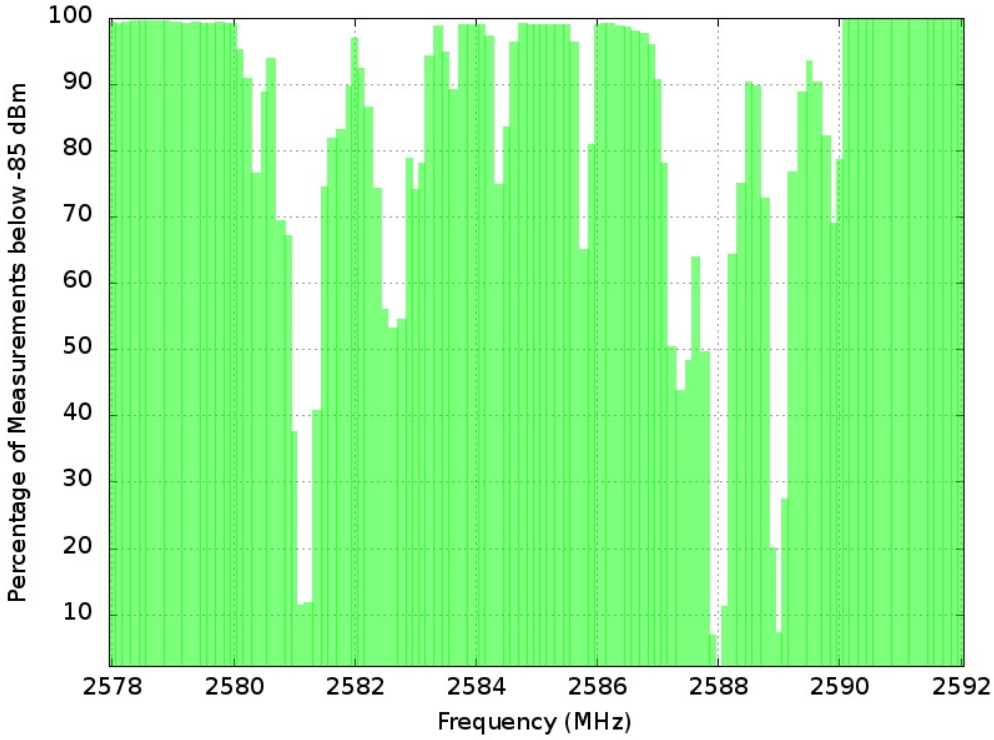
Info	Value
Campaign date:	2016-10-18
Campaign duration:	0:27:43 (hour:min:sec)
Route length:	2.2 Km
N. points:	13640
Country:	France
Country Code:	FR
Place of measurement:	Basse-Ham
Region:	Grand-Est
Population:	1940

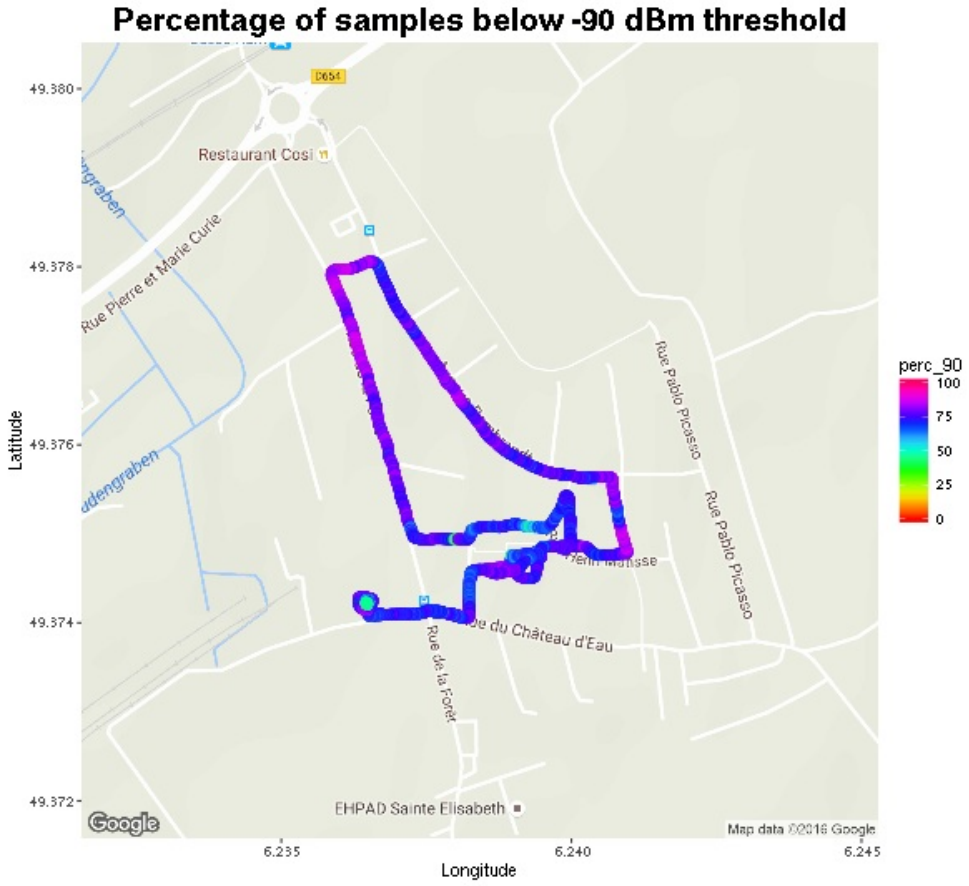
Spectrum Maps

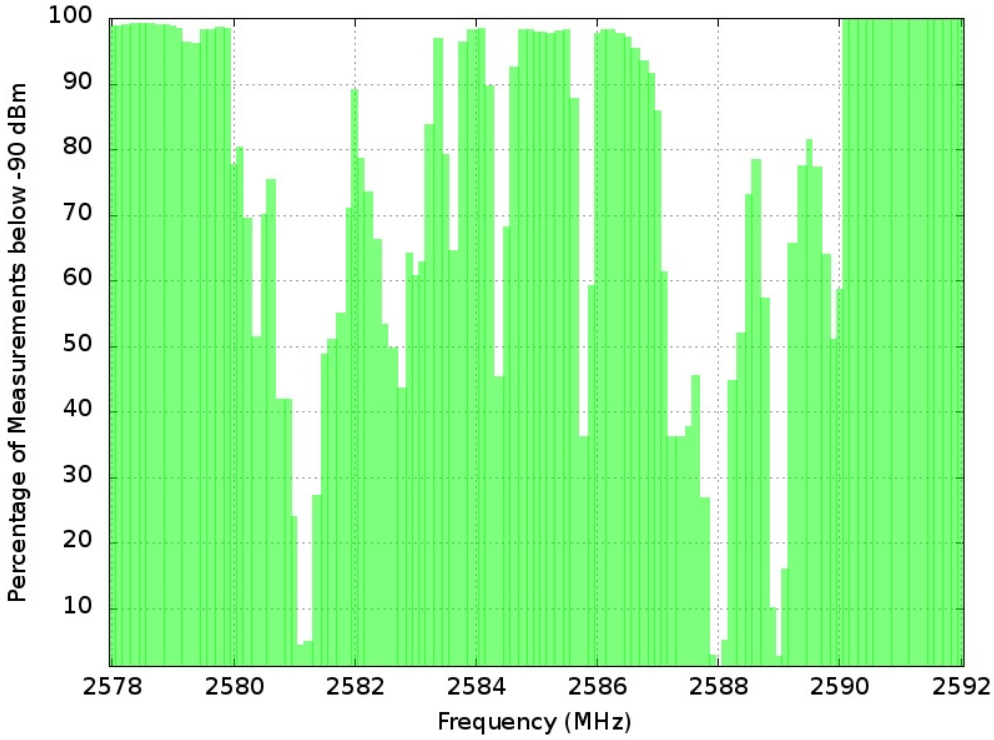
The first image shows power levels over time (number of measurements), the following images show different thresholds of spectrum occupancy.

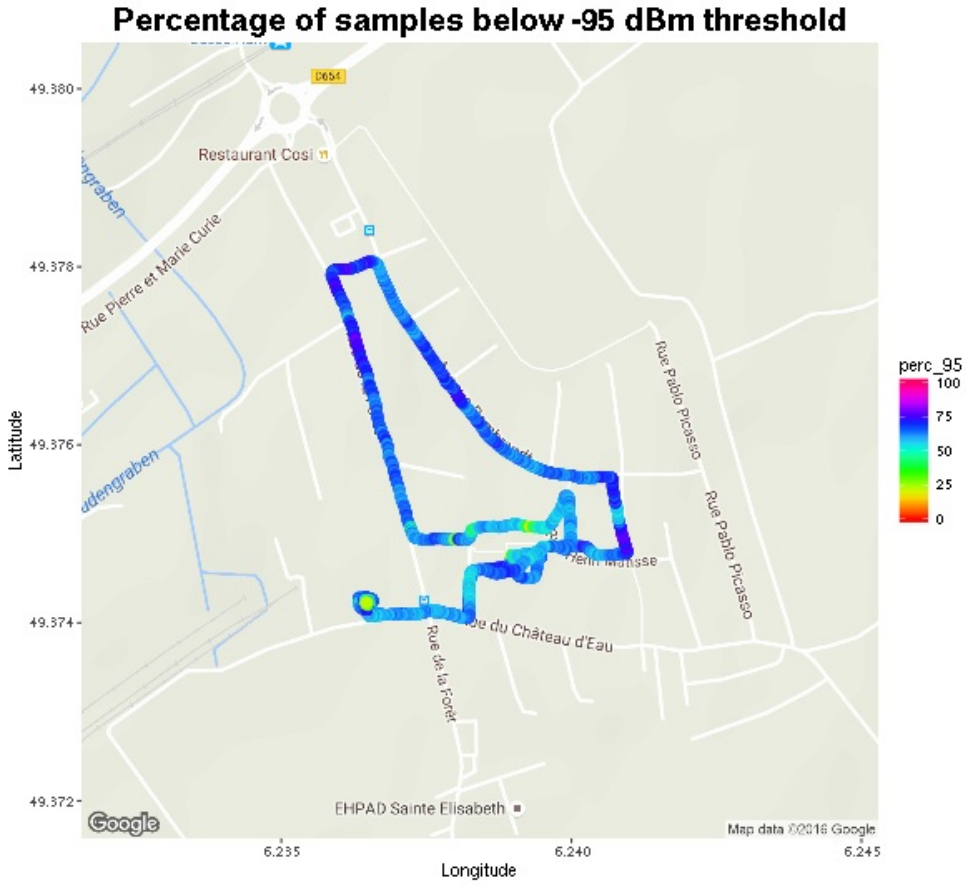


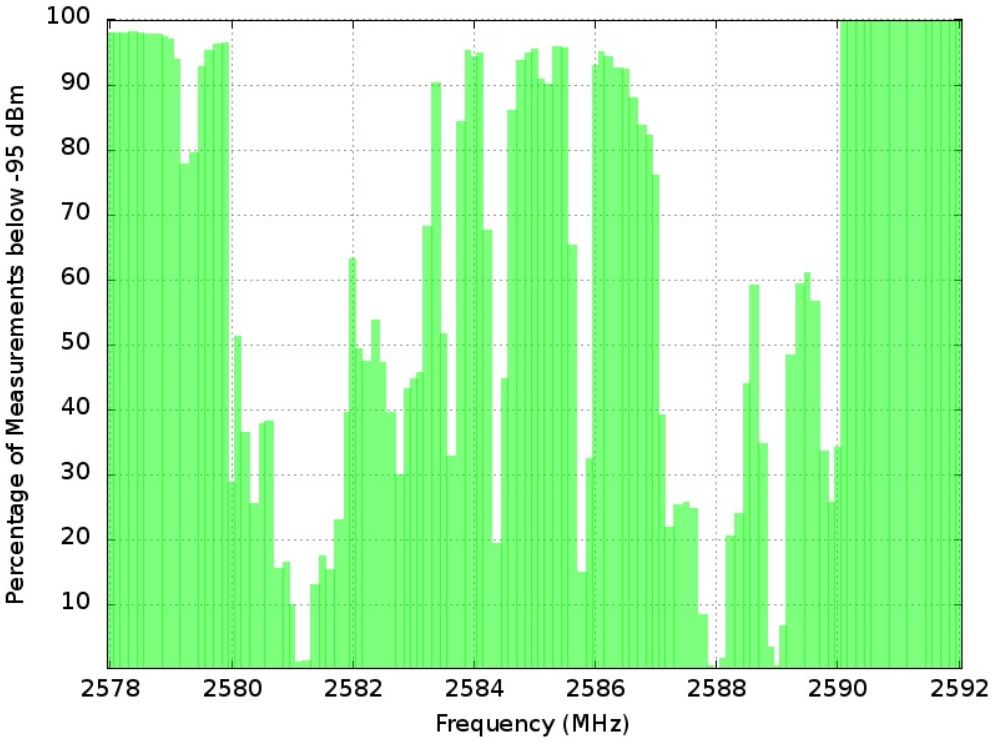


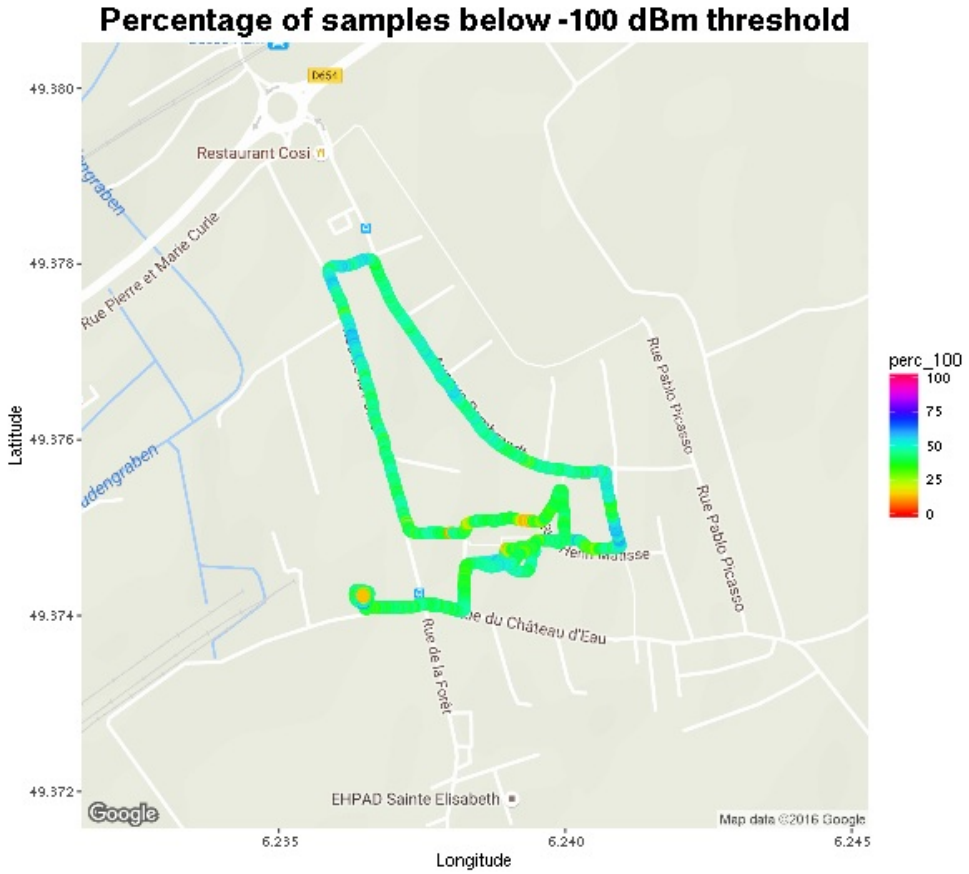

Percentage of Measurements below -85 dBm
100
90
80
70
60
50
40
30
20
10
2578
2580
2582
2584
2586
2588
2590
2592
Frequency (MHz)

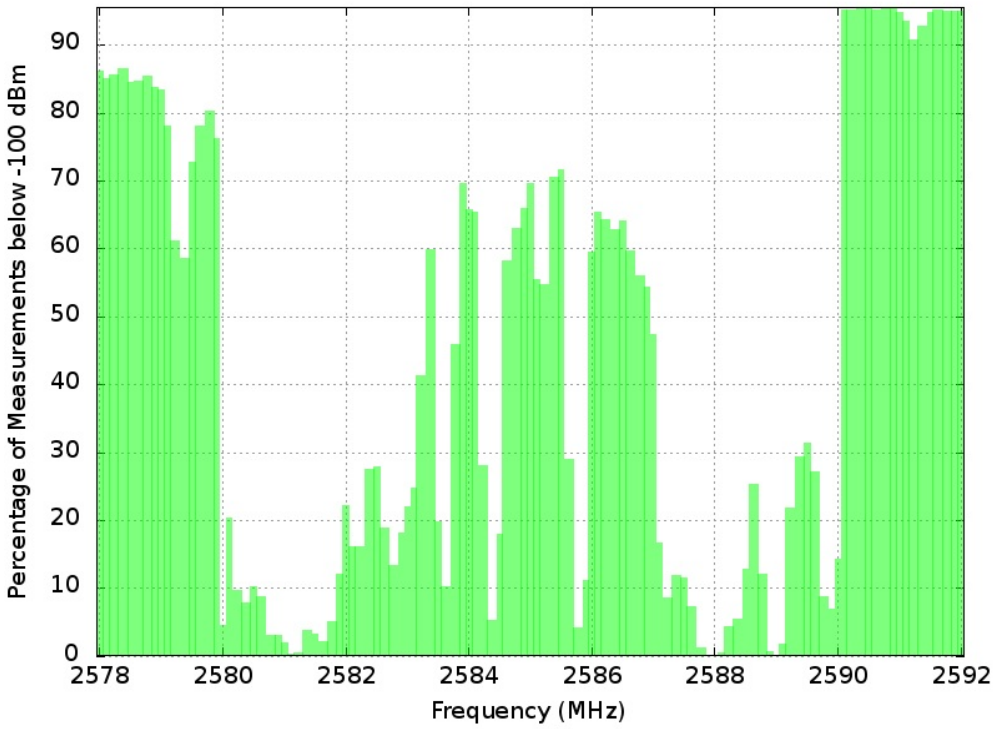

Percentage of samples below -90 dBm threshold
49.380
49.378
49.376
49.374
49.372
Latitude
6.235
6.240
6.245
Longitude
D654
Restaurant Cosi
Rue Pierre et Marie Curie
Rue Pablo Picasso
Rue Pablo Picasso
Rue de la Forêt
EHPAD Sainte Elisabeth
Google
Map data ©2016 Google
perc_90
100
75
50
25
0

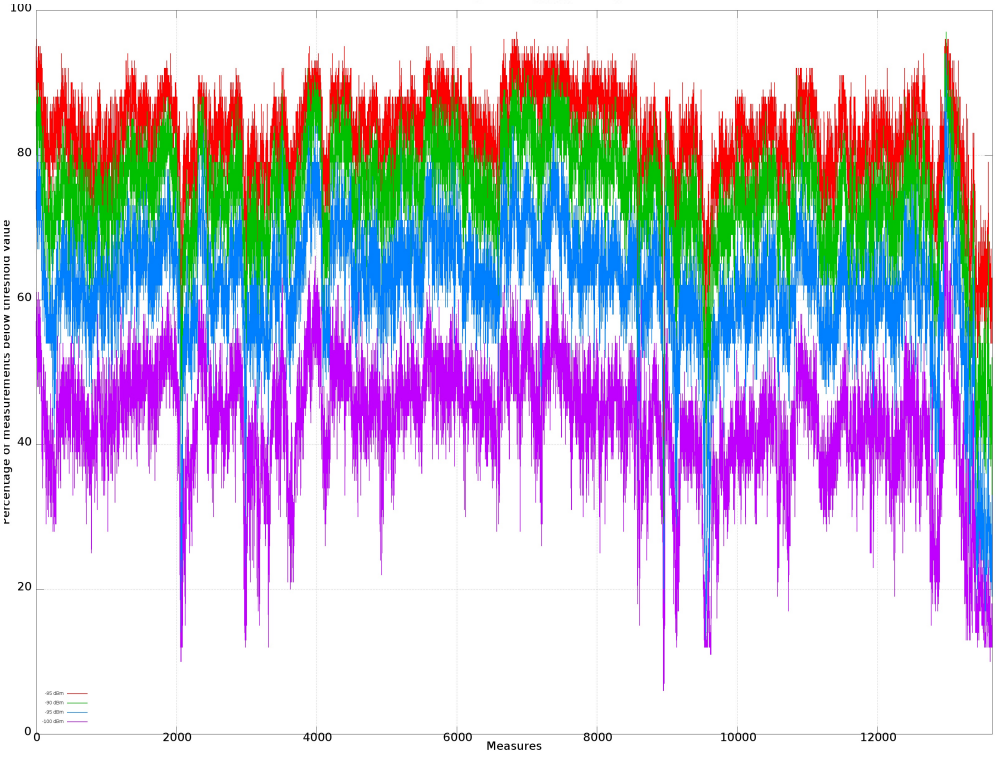

Percentage of Measurements below -90 dBm
100
90
80
70
60
50
40
30
20
10
2578
2580
2582
2584
2586
2588
2590
2592
Frequency (MHz)

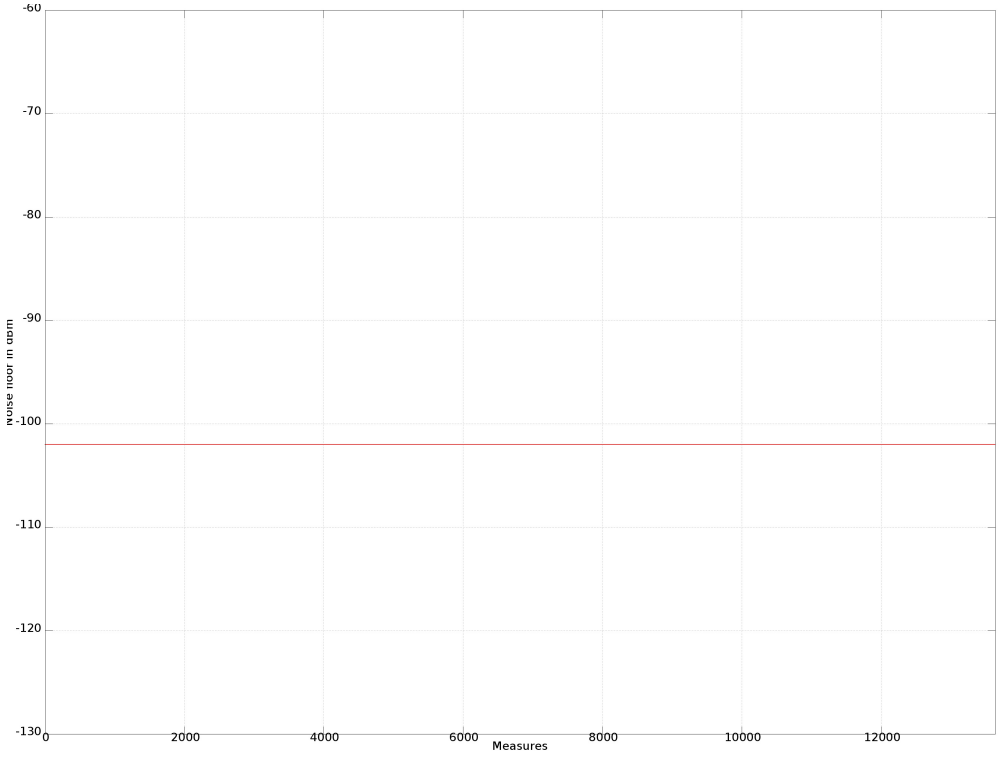

Percentage of samples below -95 dBm threshold
49.380
49.378
49.376
49.374
49.372
Latitude
6.235
6.240
6.245
Longitude
D654
Restaurant Cosi
Rue Pierre et Marie Curie
Rue Pablo Picasso
Rue Pablo Picasso
Rue du Château d'Eau
Rue de la Forêt
EHPAD Sainte Elisabeth
Google
Map data ©2016 Google
perc_95
100
75
50
25
0


Percentage of Measurements below -95 dBm
100
90
80
70
60
50
40
30
20
10
2578
2580
2582
2584
2586
2588
2590
2592
Frequency (MHz)


Percentage of samples below -100 dBm threshold
49.380
49.378
49.376
49.374
49.372
Latitude
6.235
6.240
6.245
Longitude
Restaurant Cosi
Rue Pierre et Marie Curie
Rue Pablo Picasso
Rue Pablo Picasso
Rue du Château d'Eau
Rue de la Forêt
EHPAD Sainte Elisabeth
Google
Map data ©2016 Google
perc_100
100
75
50
25
0


Percentage of Measurements below -100 dBm
0
10
20
30
40
50
60
70
80
90
2578
2580
2582
2584
2586
2588
2590
2592
Frequency (MHz)


Percentage of measurements below threshold value
0
20
40
60
80
100
0
2000
4000
6000
8000
10000
12000
Measures



Sponsor

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

Copyright © 2015

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