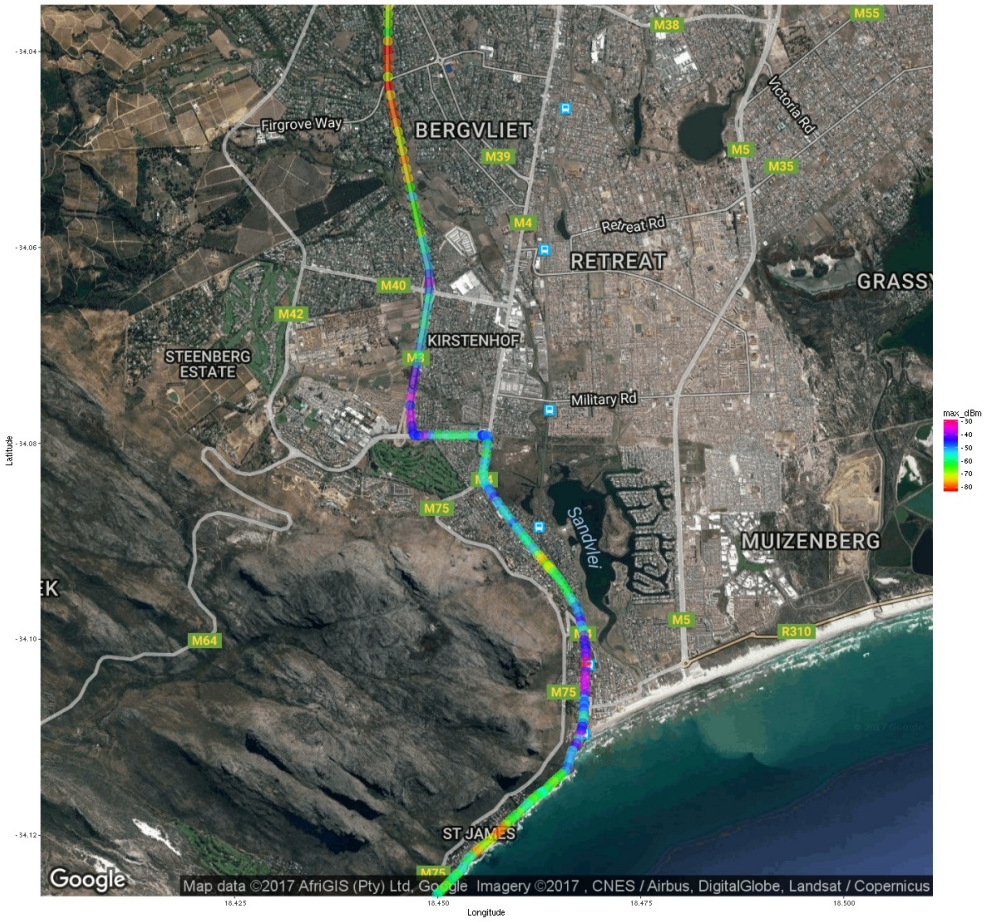
Gsm frequencies analyzer

Measurements carried out with GsmTrack (http://wireless.ictp.it/gsm/gsmtrack/) 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

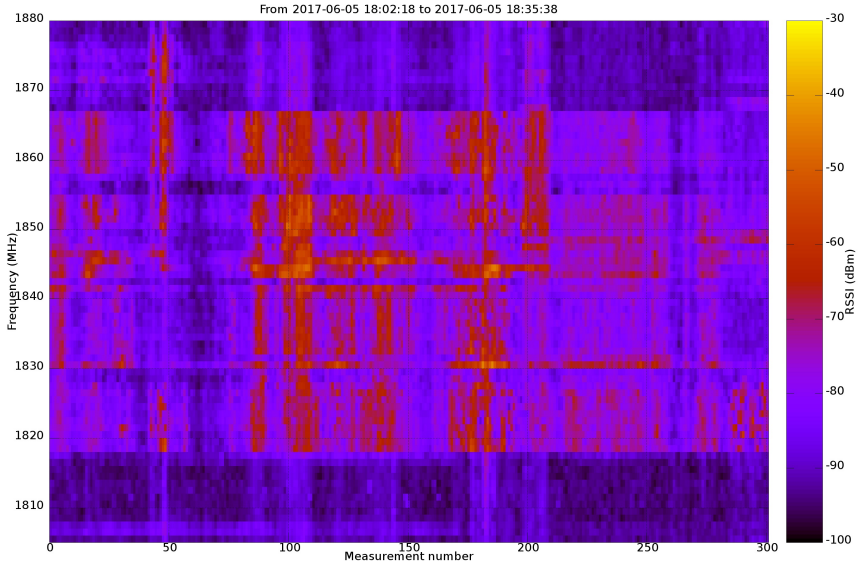
Campaign Route

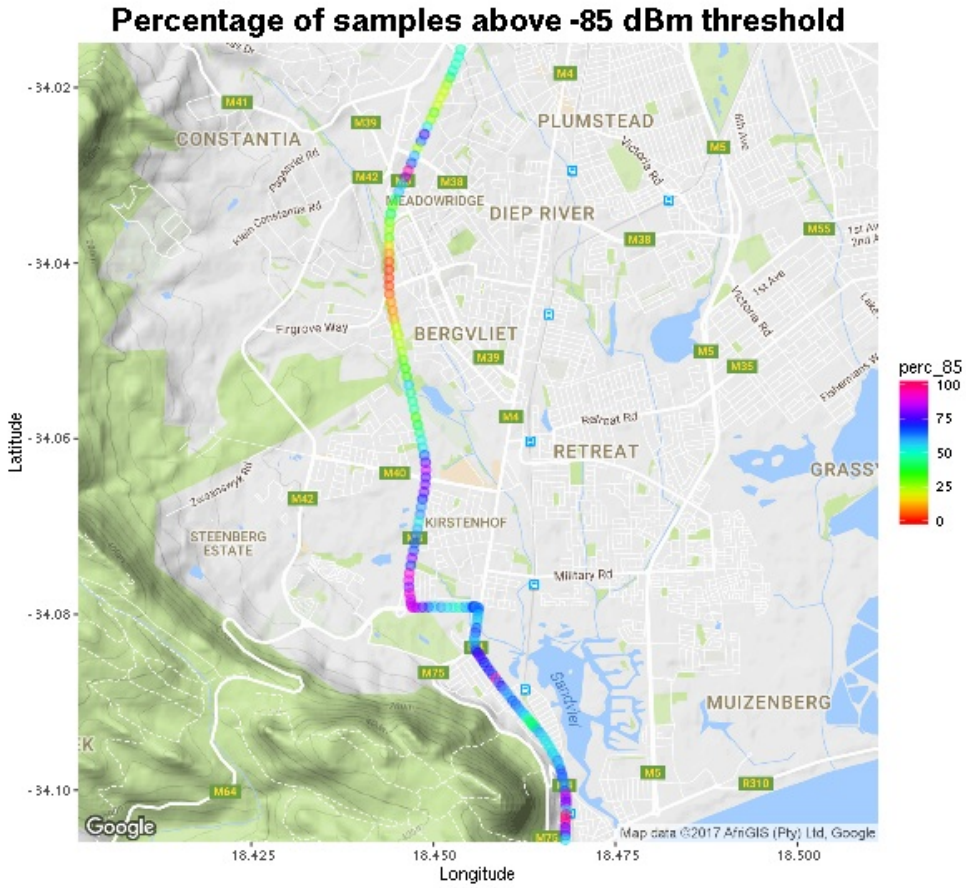


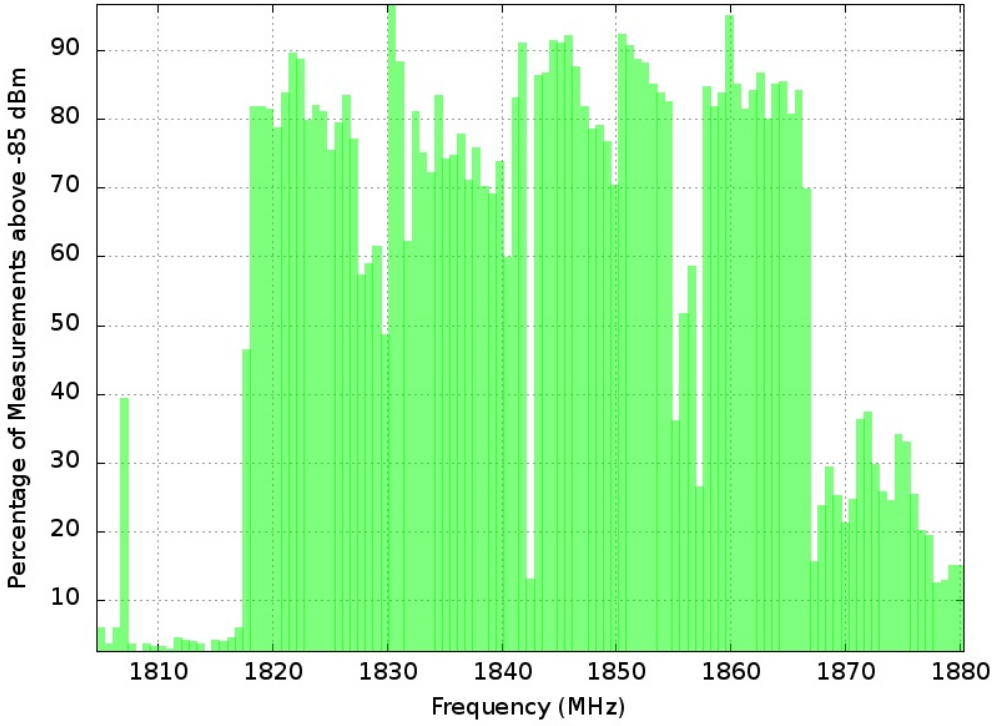
Info	Value
Campaign date:	2017-06-05
Campaign duration:	0:20:04 (hour:min:sec)
Route length:	18.2 Km
N. points:	302
Country:	South Africa
Country Code:	ZA
Place of measurement:	Bishopscourt
Region:	Western Cape
Population:	no info

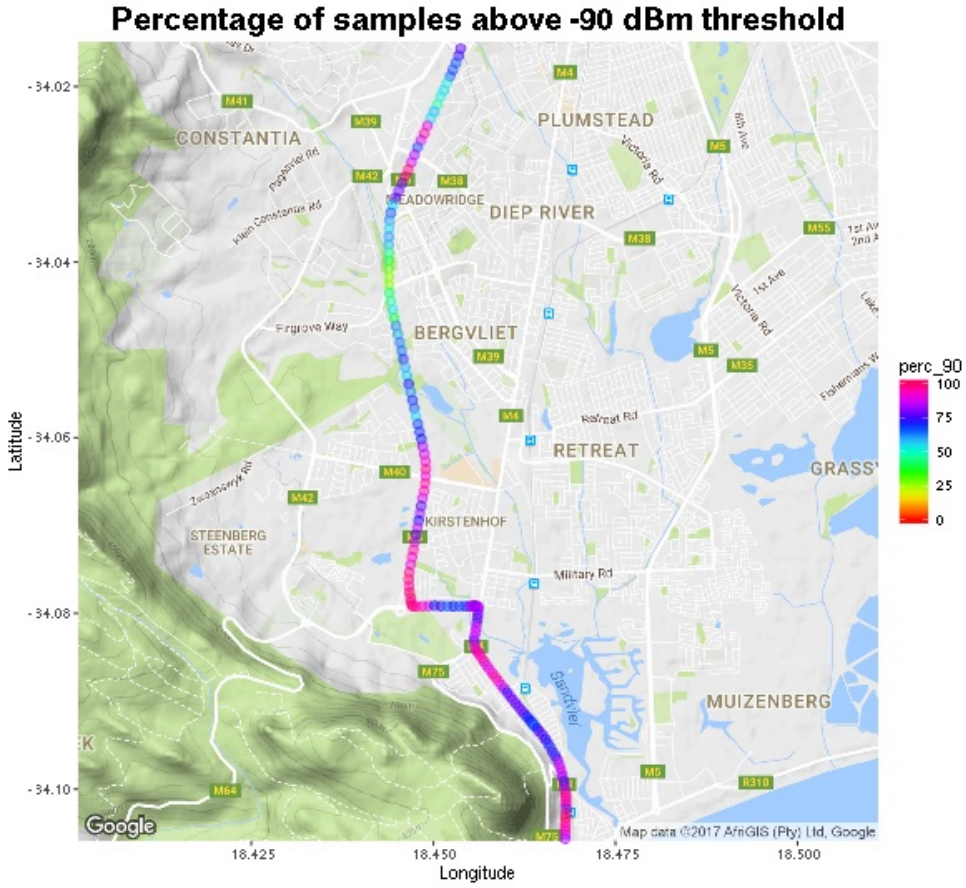
Spectrum Maps

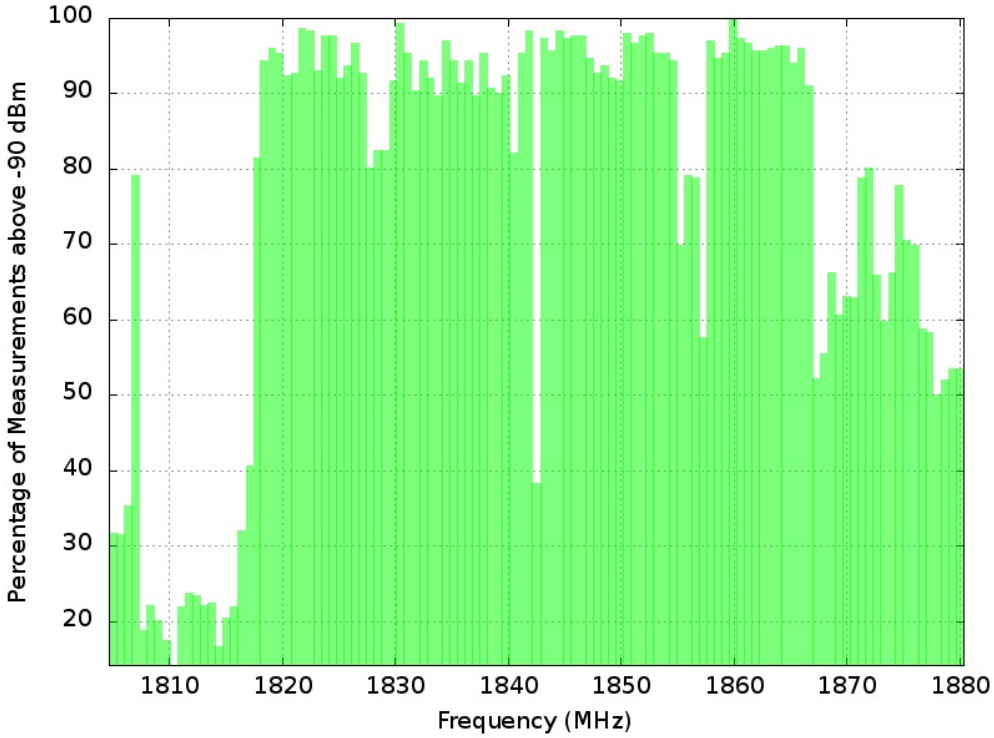
The first image shows power levels over time (number of measurements), the following images show different thresholds of spectrum occupancy.

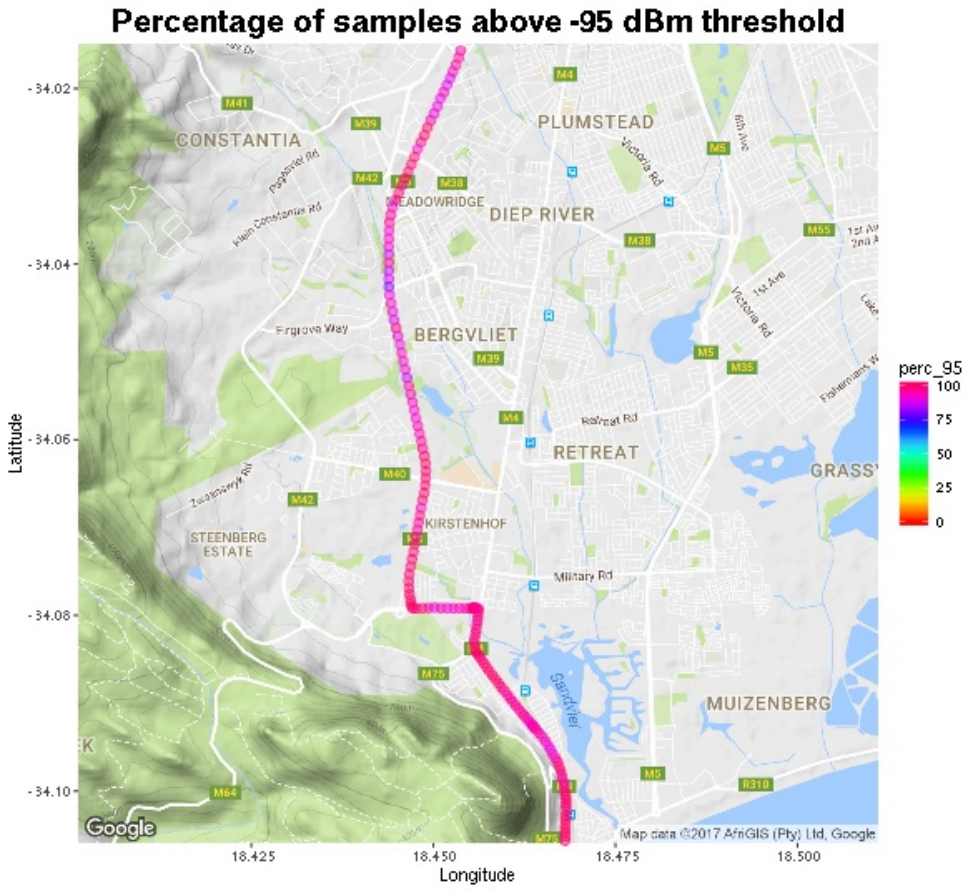


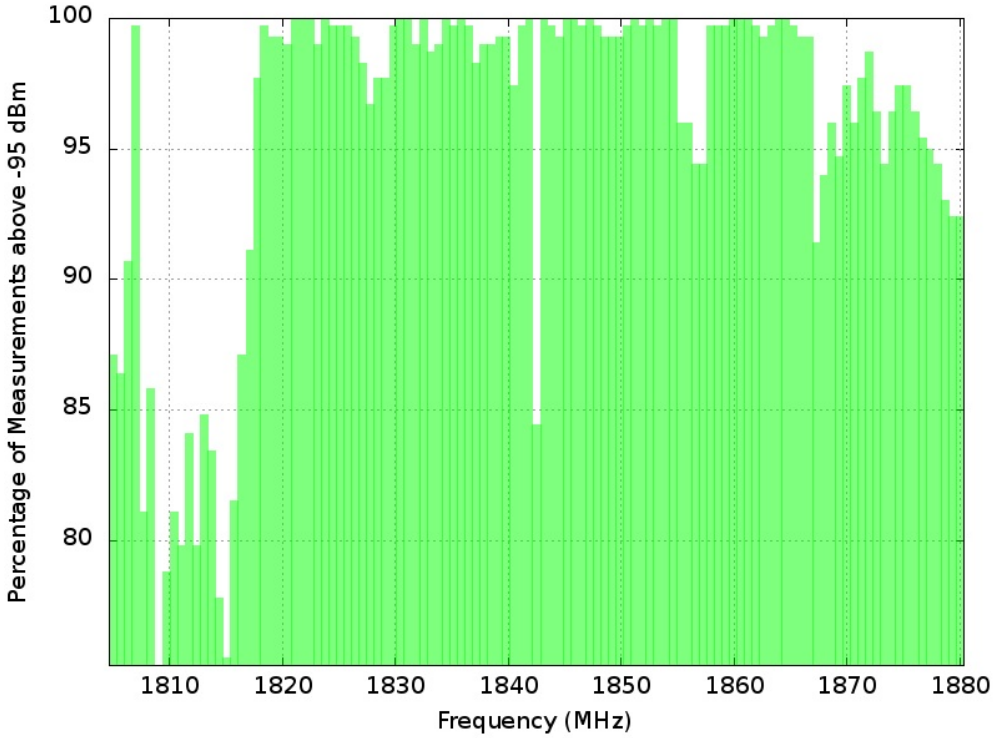


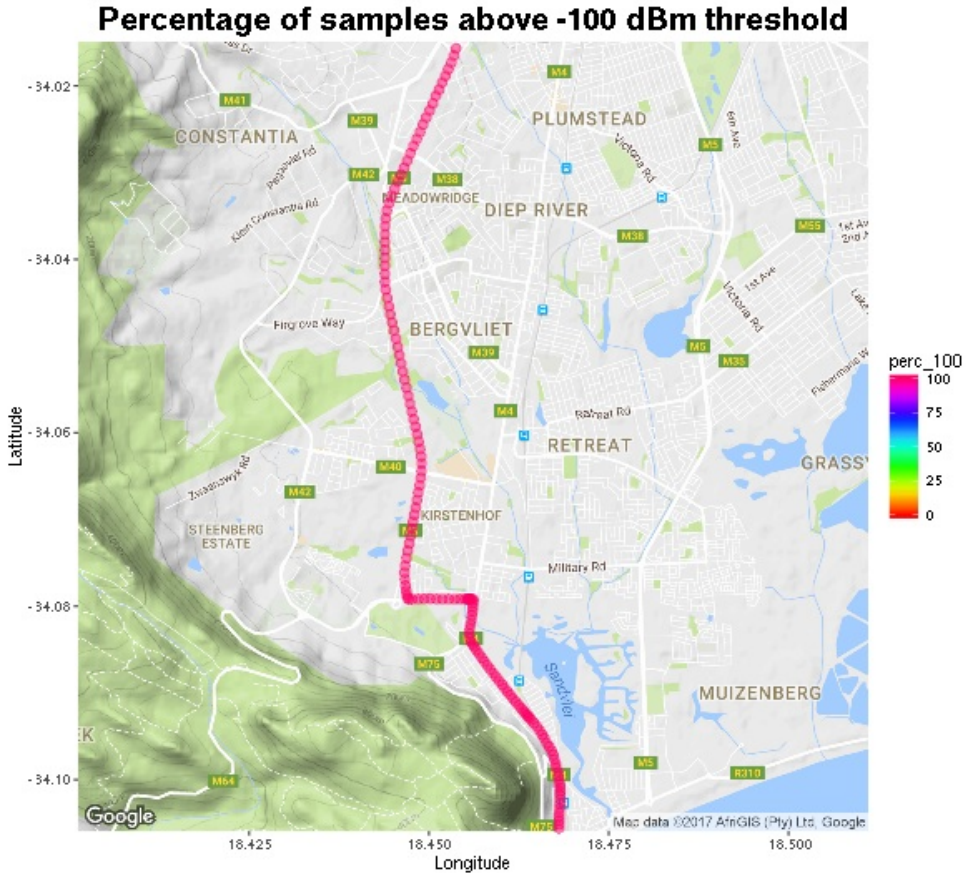

Percentage of Measurements above -85 dBm
90
80
70
60
50
40
30
20
10
1810
1820
1830
1840
1850
1860
1870
1880
Frequency (MHz)

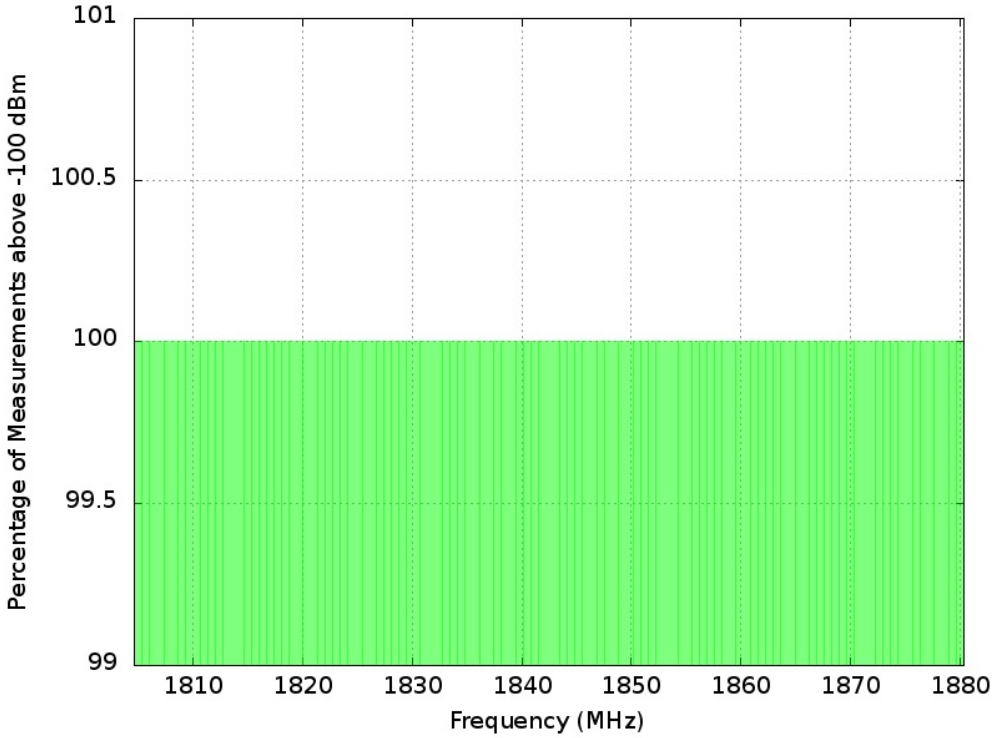

Percentage of samples above -90 dBm threshold
Latitude
-34.02
-34.04
-34.06
-34.08
-34.10
18.425
18.450
18.475
18.500
Longitude
perc_90
100
75
50
25
0
CONSTANTIA
PLUMSTEAD
MEADOWRIDGE
DIEP RIVER
BERGVLIET
RETREAT
KIRSTENHOF
STEENBERG ESTATE
MUIZENBERG
Google
Map data ©2017 AfriGIS (Pty) Ltd, Google

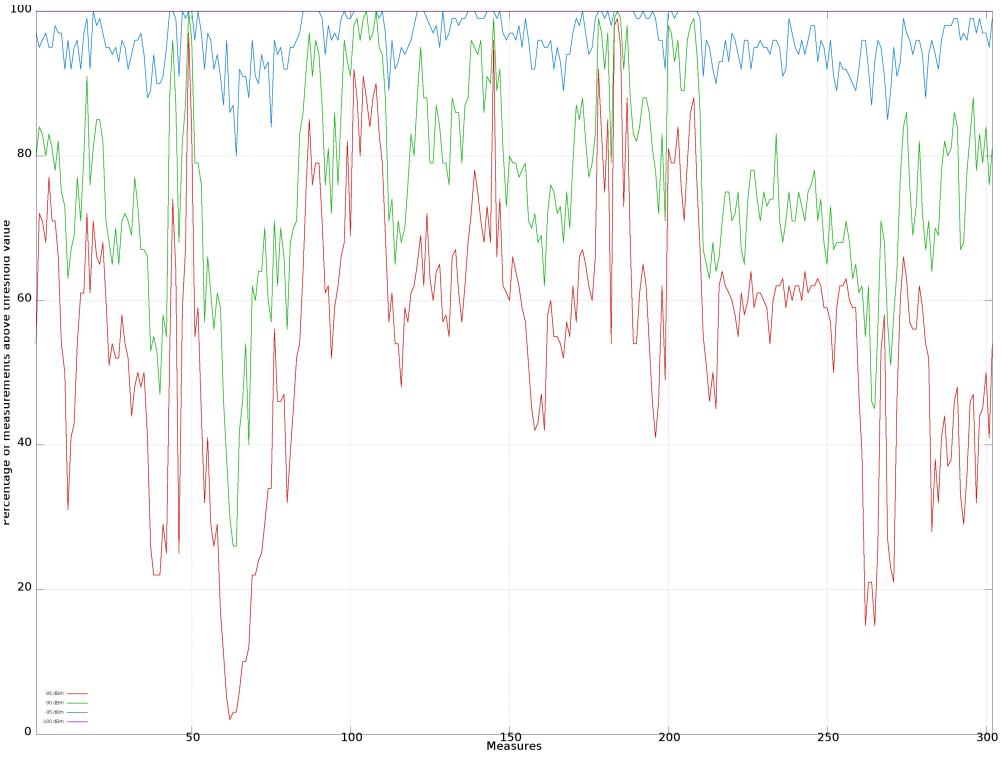

Percentage of Measurements above -90 dBm
100
90
80
70
60
50
40
30
20
1810
1820
1830
1840
1850
1860
1870
1880
Frequency (MHz)

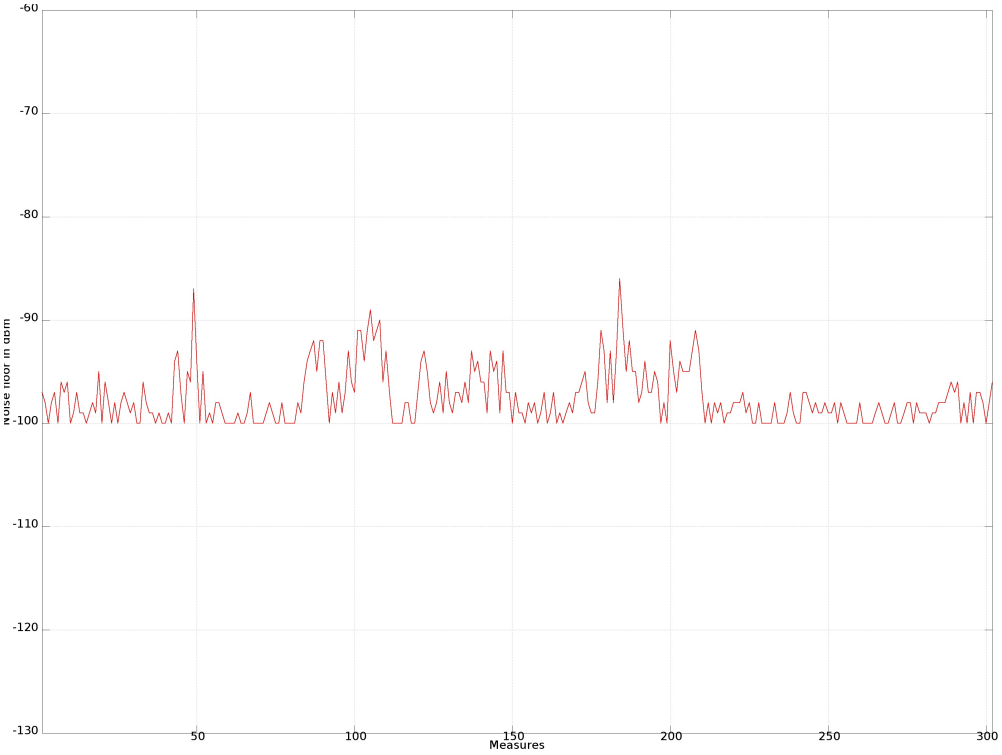

Percentage of samples above -95 dBm threshold
Latitude
-34.02
-34.04
-34.06
-34.08
-34.10
18.425
18.450
18.475
18.500
Longitude
perc_95
100
75
50
25
0
CONSTANTIA
PLUMSTEAD
MEADOWRIDGE
DIEP RIVER
BERGVLIET
RETREAT
KIRSTENHOF
STEENBERG ESTATE
MUIZENBERG
Google
Map data ©2017 AfriGIS (Pty) Ltd, Google


Percentage of Measurements above -95 dBm
100
95
90
85
80
1810
1820
1830
1840
1850
1860
1870
1880
Frequency (MHz)


Percentage of samples above -100 dBm threshold
Latitude
-34.02
-34.04
-34.06
-34.08
-34.10
18.425
18.450
18.475
18.500
Longitude
CONSTANTIA
PLUMSTEAD
MEADOWRIDGE
DIEP RIVER
BERGVLIET
RETREAT
KIRSTENHOF
STEENBERG ESTATE
MUIZENBERG
Google
perc_100
100
75
50
25
0


Percentage of Measurements above -100 dBm
101
100.5
100
99.5
99
1810
1820
1830
1840
1850
1860
1870
1880
Frequency (MHz)


Percentage of measurements above threshold value
100
80
60
40
20
0
50
100
150
200
250
300
Measures



Sponsor

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SHUTTLEWORTH FUNDED

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