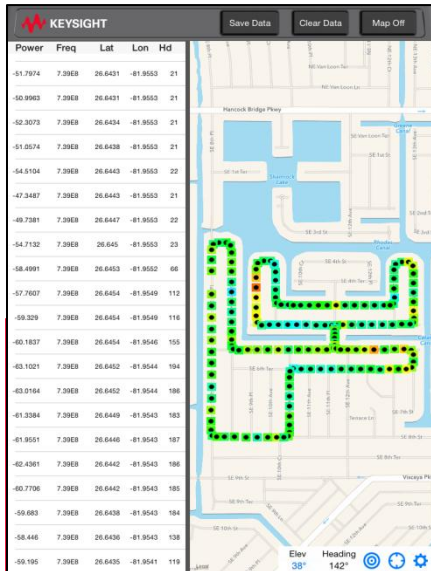


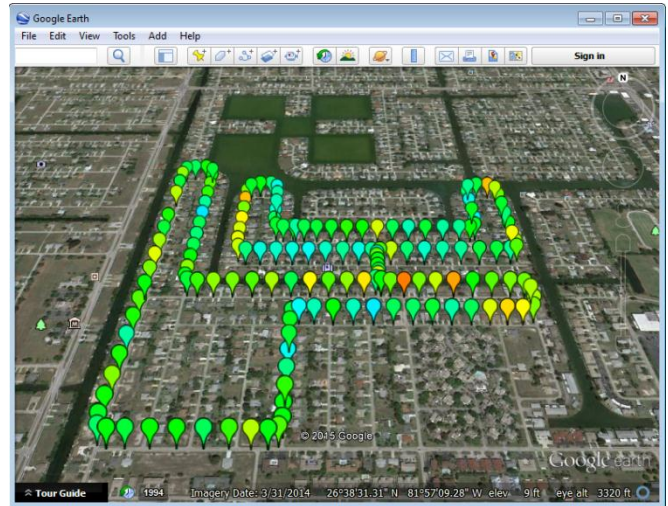
# Signal mapping with FieldFox and the iOS Remote Viewer App

With version 3.0 of the Keysight iOS Remote Viewer App users can:

- Use an iPhone, iPad or iPad Mini to map signal strength with a FieldFox in spectrum analyzer mode
- Output a KML file that can be loaded into Google Earth
- Output a CSV file with GPS coordinates, frequency and signal strength
- Manually collect data points or set a time interval for automatic data logging
- Save screen capture, trace and state files using the app
- Email captured files



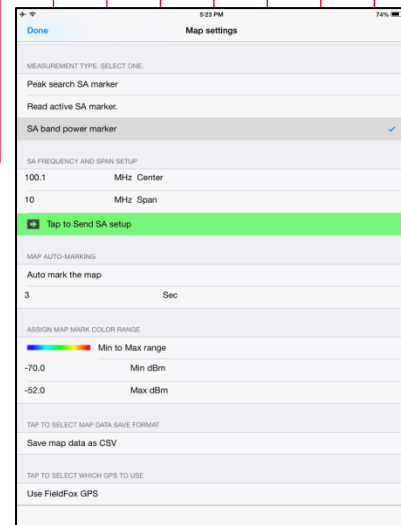
View map and data as points are collected on iOS device



Import KML file into Google Earth

	A	B	C	D	E	F	G	H
1	Date	Time	Latitude	Longitude	Compass	Tilt	Frequency	Power
2	8/24/2015	5:25 PM	26.6436	-81.9538	358	32A°	9.25E+07	-8.31E+01
3	8/24/2015	5:25 PM	26.64357	-81.9537	358	43A°	9.25E+07	-8.32E+01
4	8/24/2015	5:25 PM	26.64355	-81.9536	358	51A°	9.25E+07	-8.39E+01
5	8/24/2015	5:25 PM	26.64354	-81.9533	358	31A°	9.25E+07	-8.30E+01
6	8/24/2015	5:25 PM	26.64354	-81.953	358	32A°	9.25E+07	-8.90E+01
7	8/24/2015	5:25 PM	26.64354	-81.9527	358	31A°	9.25E+07	-8.68E+01
8	8/24/2015	5:25 PM	26.64353	-81.9524	358	28A°	9.25E+07	-8.50E+01
9	8/24/2015	5:25 PM	26.64354	-81.952	358	27A°	9.25E+07	-8.32E+01
10	8/24/2015	5:25 PM	26.64354	-81.9517	358	23A°	9.25E+07	-8.58E+01
11	8/24/2015	5:25 PM	26.6435	-81.9516	358	46A°	9.25E+07	-8.80E+01
12	8/24/2015	5:25 PM	26.64332	-81.9515	358	45A°	9.25E+07	-8.35E+01
13	8/24/2015	5:25 PM	26.64305	-81.9515	358	33A°	9.25E+07	-8.19E+01
14	8/24/2015	5:25 PM	26.64283	-81.9515	358	26A°	9.25E+07	-8.19E+01
15	8/24/2015	5:25 PM	26.64271	-81.9516	358	38A°	9.25E+07	-8.29E+01
16	8/24/2015	5:26 PM	26.64271	-81.9518	358	45A°	9.25E+07	-8.17E+01
17	8/24/2015	5:26 PM	26.6427	-81.9521	358	37A°	9.25E+07	-8.79E+01
18	8/24/2015	5:26 PM	26.6427	-81.9525	358	37A°	9.25E+07	-9.27E+01
19	8/24/2015	5:26 PM	26.6427	-81.9528	358	38A°	9.25E+07	-8.78E+01

Output a CSV file



Easily set up the data collection parameters on the iOS device

## What's needed to start mapping?

- Any FieldFox with Spectrum Analyzer mode enabled
- FieldFox option 030 Remote Control Capability enabled
- iPhone, iPad or iPad Mini with iOS 7.1 or later
- GPS: iOS device cellular plan or FieldFox enabled with GPS (internal or external)
- Keysight's iOS Remote Viewer App 3.0 or higher. Free from Apple App store.
- WiFi connection between iOS device and FieldFox.



Example: FieldFox, ZyTEL WiFi router and iPad Mini WiFi only version