# HDR/FM Nomad Analyzer

#### Intelligent Mobile FM/HD Radio Analyzer



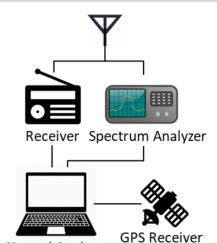
### System

The **only** intelligent HD Radio / FM mobile receiveranalyzer, featuring recording with real-time service quality and propagation analysis for up to 5 channels simultaneously.

# Specifications

- Full analysis of FM Analog or HD Radio™ stations.
- Record power levels of the main analog, lower and upper HD bands, as well as the 1<sup>st</sup> and 2<sup>nd</sup> adjacent frequencies.
- Record data points for over 20 different analog and HD metrics, including HD Acquired, SNR, Multipath, Cd/No and RDS BLER.
- Get instant feedback on the road with customizable metric-based audible alarms, available in three languages (English, Spanish and French).
- Real-time service quality analysis comparison with propagation models like Longley-Rice and CRC-Predict.
- Playback and archival of both analog and HD audio to MP3 files that can be cross-referenced with the recorded data.

Latitude 45.3921944	Longitude -72.6983055				Atitude 10 m Status Dynased					Spectrum Analyzer Status: Quine (Ref. +60, 127 sweeps)						FM / HD Receivers Status: Online (2)				
Play	CFGL-HD 105.7 HOT			O CK8E 98.5					CHMP 98.5				O CK01 96.9				O CKDG 105.1			
Name HD Acquired	Ceta	Average	Model	Delta	Ceta	Average	Model	Delta	Ceta	Average	Model	Delta	Ceta	Average	Model	Delta	Data	Areage	Model	Delta
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-200 kHz Analog	10.85	33.09	NOR	1.41	11.47	11.50	NOSE	1.00	11.87	13.50	NOISE	1.00	32.54	13.50	NOISE	1.0	67,23	67,29	78.97	-11.7
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dain HD Unner Rand	29.29	29.12	NOISE	11.00	-/ 05	42.17		-0.00	-2.02	42.17		-202	~~	12.00	51.54	0.07	100	11.11	16.57	0.00
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+400 kHz Analog	29.14	29.07	41.42	-1.56	24.28	12.06	41.28	-12.42	34.38	12.66	NOSE	_	34.70	34.77	20.64	-4.06	18.55	38,99	NOISE	
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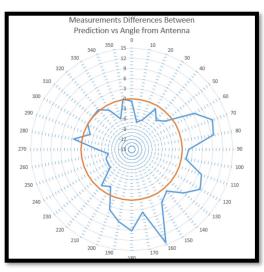


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# **Report Generation**

- Generate up to 18 different reports to Excel CSV, Google Earth KML or Open Street Map PNG files.
- Compare the campaign data with the CRC-Predict or Longley-Rice propagation models.
- Typical evaluation:
  - Analog to digital power ratio
  - Potential interferers
  - SFN validation vs analog quality





### **Octave Communications**

130 Lallier St Granby, QC CANADA J2H 0R2

17659 202nd PI NE Woodinville, WA USA 98077

Phone: 579-365-3295 Email: info@octavecom.com www.octavecom.com

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