

Field Master Pro™ MS2090A

Featuring All New Functionality – IQ Capture and Streaming, EMF Measurements

June 2020



Anritsu
envision : ensure

THE SKY'S THE LIMIT

Anritsu introduces the Field Master Pro™ MS2090A. The world's highest performance handheld spectrum analyzer.



FieldMaster Pro™

No Limits

- Full frequency coverage up to 54 GHz

No Gaps

- Real-time analysis bandwidth up to 110 MHz

No Misses

- Ability to demodulate and identify 5G signals
- IQ capture and streaming capabilities
- ElectroMagnetic Field (EMF) measurement functionality

Field Master Pro MS2090A IQ Capture and Streaming

Measure with Confidence

- Premium RF specifications
- Full frequency coverage up to 54 GHz

Capture More Data

- Up to 110 MHz bandwidth at 200 megasamples per second
- 2 GB internal capture memory

Configured to Meet Your Needs

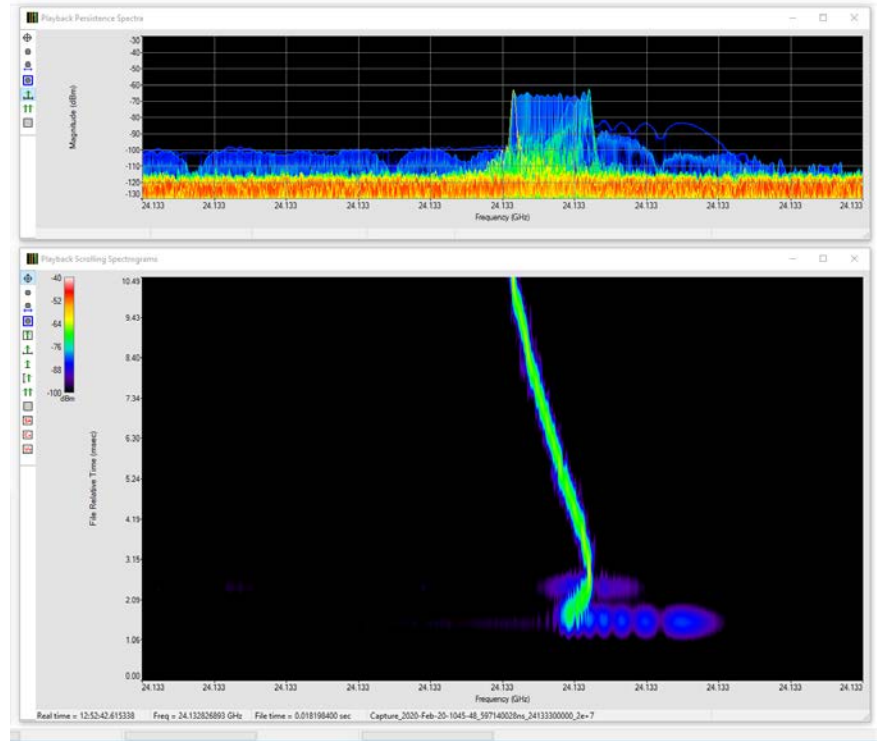
- Capture or stream
- Selectable bit depths
- Triggering options, including pre-trigger
- Capture on box or stream data to USB, PC over Ethernet, or Bird IQC5000B
- Post process with Spectro-X software, export to MatLab or build your own tool



Why IQ Capture and Streaming?



- Track signal behavior over time
- Analyze signal characteristics for identification
- Measure modulation quality



Spectro-X software replays captured IQ data

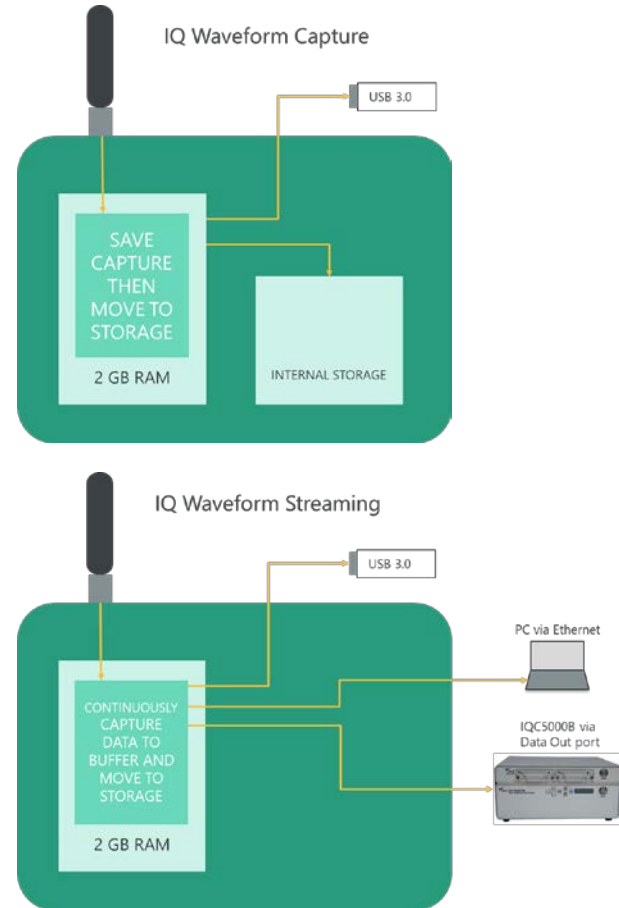
Capture Modes

Capture

- Captures data to instrument memory
- Limited to 2 GB max
- **Single capture:** Triggers one capture of IQ data then stops until triggered again
- **Continuous capture:** Immediately begins a new capture once the last capture is saved until the user stops the captures

Streaming

- Streams IQ data directly out of the instrument to an external receiver
- Capture size only limited by receiver



IQ Streaming in RTSA



Capture or stream IQ data while simultaneously viewing signal in real time on RTSA

Field Master Pro MS2090A EMF Measurements

- **Provide calibrated measurements of EMF power** to test impact of new/existing installations
- **Built-in FCC and ICNIRP limits** verifies government recommendations are not exceeded (general public and worker standards)
- **Carrier aggregation in 5G or LTE** allows decoding of signals from multiple radios on the same screen to avoid multiple setups



Isotropic EMF Probe

- Frequency range from 20 MHz to 40 GHz
- Integrated 3 axis isotropic antenna
- Built-in antenna calibration factors
- Integrated processor for total EMF measurement calculation
- Handgrip for manual sweeping of test area at site; tripod mount for laboratory use
- USB interface to Field Master Pro MS2090A handheld spectrum analyzer





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