

### **CleanRF Systems**

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## Splatter View 2K (RF Demodulator & RF-S2K) (2,000 Watts)

Models RF-D and RF-S2K combo, for precise station monitoring of:

- Oscilloscope Horizontal "X" In Pre-Amplifier Reference Signal (RF-D)
- AM Audio Modulation via 1/4" TRS jack with volume control (RF-D)



- RF Envelope with Source Trigger Synchronization (RF-D)
- Oscilloscope Vertical "Y" In Post-Amplifier Reference Signal (RF-S2K)
- RF Modulation Envelope (RF-S2K)
- Pre-Distortion Sampling for use with Anan Pure Signal® (RF-S2K)
- Peak Envelope Power (RF-S2K)
- Trapezoidal X/Y pre/post Amplifier Signal Linearity (RF-D, RF-S2K)

The **Splatter View 2K** (model **RF-D/RF-S2K**) is made up of two independent plug-and-play passive solutions for exact monitoring of your stations RF performance, ensuring a low IMD splatter-free signal with maximum in-band talk-power. Achieving a true pre/post RF comparison has never been easier than plugging in the two BNC cables provided to your existing oscilloscope!

The idea behind the **Splatter View** series is simple. What goes into your amplifier, must be the same coming out -with the only added benefit of gain -period. Nothing else added to or taken away from your signal.

When you are truly linear, you will see crisp lines making up the sides of the trapezoid with no curves as shown in the images provided on our Applications page and movie demo near the bottom of our Applications page, showing a true trapezoidal pattern and those that are non-linear.

Our Product Info Sheet PDF below is a great reference for understanding the trapezoidal pattern as well. In addition, the system may be used in RF envelope monitoring mode with the benefit of the internal trigger. The trigger, is a wonderful signal that will lock the waveform as your speak.

Now monitoring in envelope mode is made much easier thanks to the filtered signal provided by our system into your oscilloscope. Independent product descriptions making up the Splatter View combo's may be read above.

#### **RF-D Specifications**

Frequency Response: 500 kHz ~ 60 MHz – Audio: 10 Hz ~ 16 kHz

Rated Input: 1.5w ~ 200w PEP

AM Dynamic Range: 60dBuConnectors In: SO-239

Connectors Out: SO-239, BNC and ¼" TRS Audio Out

Controls: Variable AF Output

VSWR: < 1:1.1</li>Insertion Loss: < 0.1 dB</li>

Cable and Adapter: 6 Ft. BNC Male-to-BNC Male and UHF Male-to-Male Adapter
Applications: - Oscilloscope Horizontal "X" In (Pre-Amplifier Reference Signal)

- AM Audio Modulation Monitor

- RF Envelope Source Trigger Synchronization

Dimensions:
W 2 1/8" x L 3 ¼" x H 1 5/8"

#### RF-S2K Specifications (2,000 Watts)

Frequency Response: 500 kHz ~ 60 MHz
Rated Input: 0w ~ 2,000w PEP
Sampler Output: -26dB ~ -50dB

• Connectors In: SO-239

Connectors Out: SO-239 and BNC

• Controls: Variable RF Output 6dB

VSWR: < 1:1.1</li>Insertion Loss: < 0.1 dB</li>

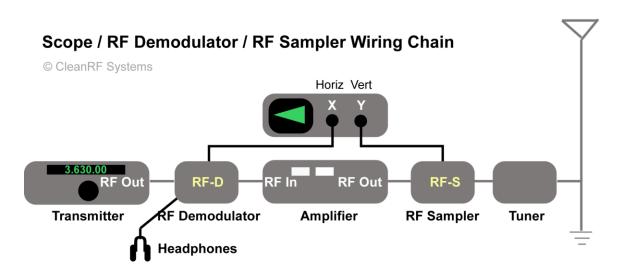
Cable and Adapter: 6 Ft. BNC Male-to-BNC Male and UHF Male-to-Male Adapter
Applications: - Oscilloscope Vertical "Y" In (Post-Amplifier Reference Signal)

- Pre-Distortion Sampling for use with Anon Pure Signal®

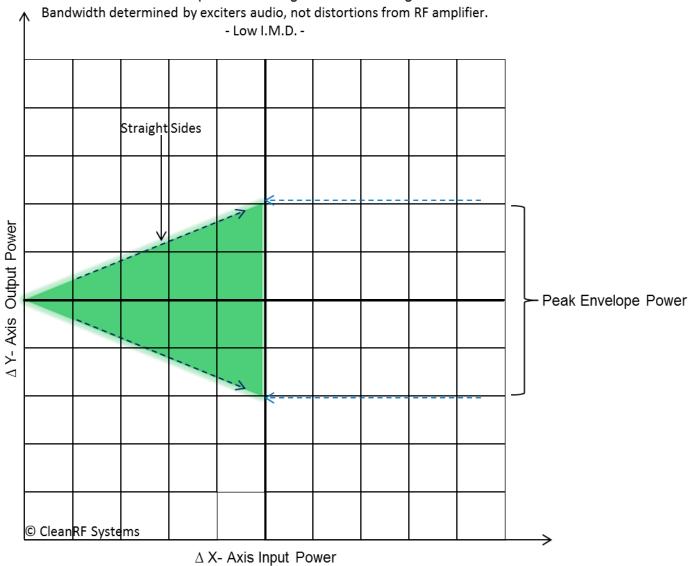
- RF Modulation Envelope Monitor - Peak Envelope Power Monitor

Dimensions:
W 2 1/8" x L 3 ½" x H 1 5/8"





Trapezoidal Linear RF Pattern Provided by CleanRF Systems Splatter View. Note sides of Trapezoid are straight with distinct angles.



# Amplitude Modulation Dynamic Range at 1 kHz

