



**CleanRF Systems**  
 450 Circle Drive  
 Fort Collins, CO 80524  
 Phone: 970-412-3456  
 e-mail: Tyler@CleanRF.com

## Splatter View 200 (RF Demodulator & RF-S) (200 Watts)

(Low Power Applications) **RF-D** and **RF-S** station monitor package for complete X/Y pre/post linear amplification signal monitoring.



### RF-D Specifications

- Frequency Response: 500 kHz ~ 60 MHz – Audio: 10 Hz ~ 16 kHz
- Rated Input: 1.5w ~ 200w PEP
- AM Dynamic Range: 60dBu
- Connectors In: SO-239
- Connectors Out: SO-239, BNC and ¼" TRS Audio Out
- Controls: Variable AF Output
- VSWR: < 1:1.1
- Insertion Loss: < 0.1 dB
- 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"

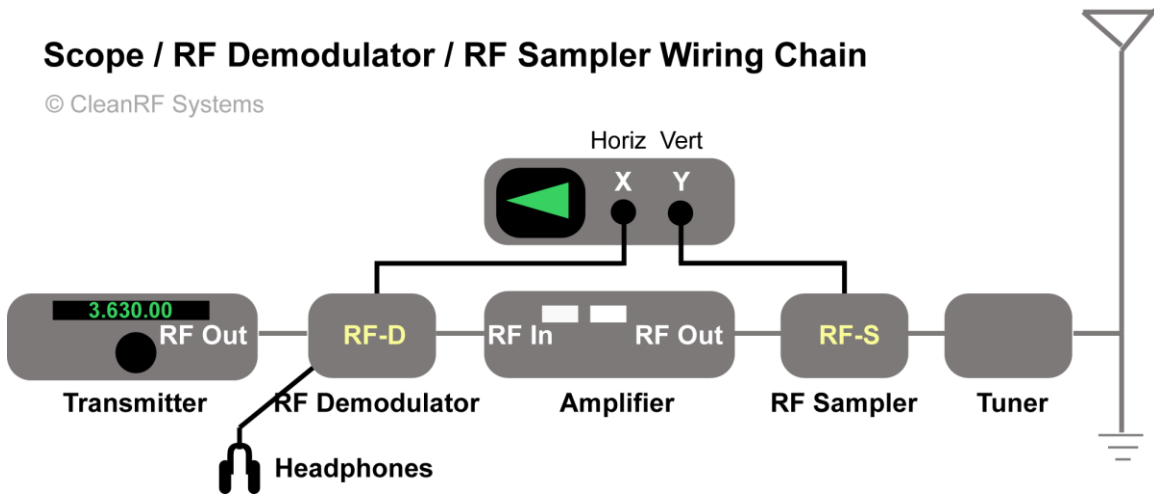
### RF-S Specifications (200 Watts)

- Frequency Response: 500 kHz ~ 60 MHz
- Rated Input: 0w ~ 200w PEP
- Sampler Output: -26dB ~ -50dB
- Connectors In: SO-239
- Connectors Out: SO-239 and BNC
- Controls: Variable RF Output 6dB
- VSWR: < 1:1.1
- Insertion Loss: < 0.1 dB
- 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)
  - RF Modulation Envelope Monitor
  - Peak Envelope Power Monitor
- Dimensions: W 2 1/8" x L 3 ¼" x H 1 5/8"



### Scope / RF Demodulator / RF Sampler Wiring Chain

© CleanRF Systems

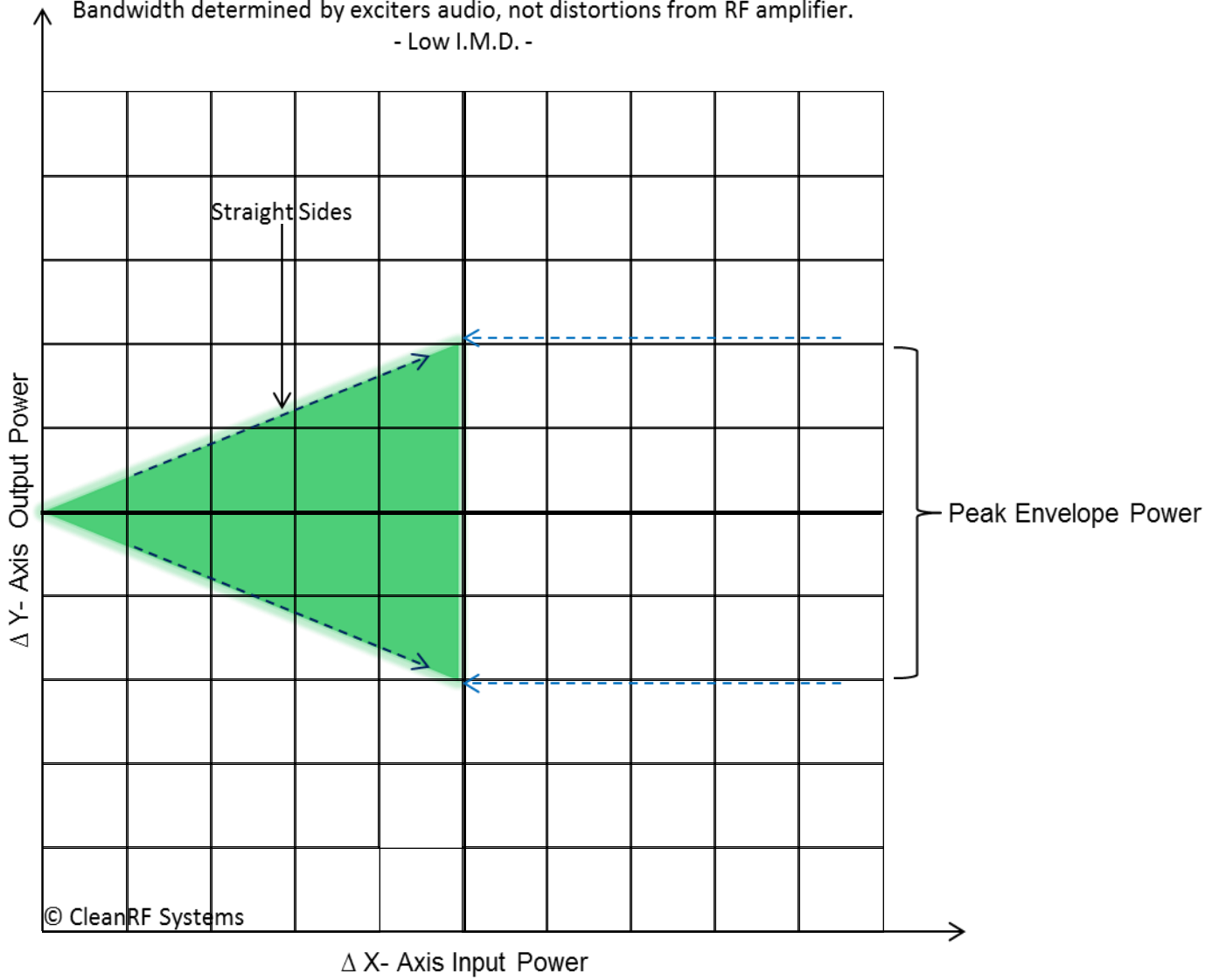


Trapezoidal Linear RF Pattern Provided by CleanRF Systems Splatter View.

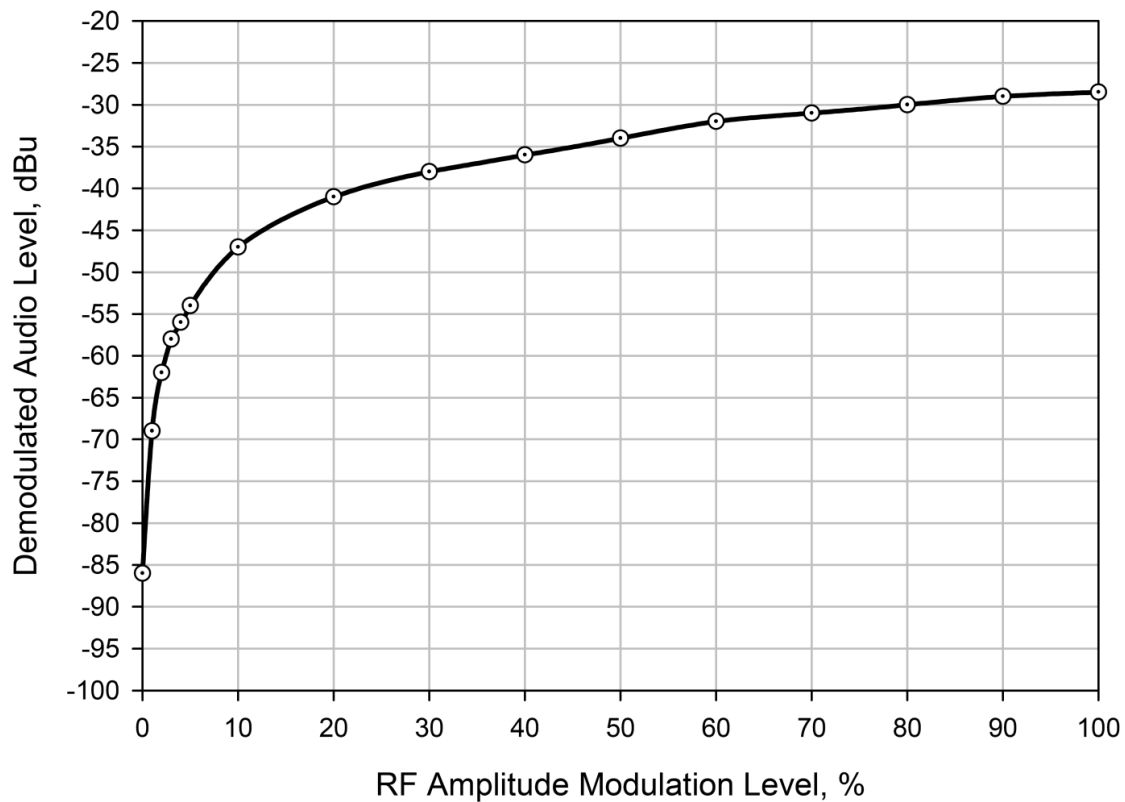
Note sides of Trapezoid are straight with distinct angles.

Bandwidth determined by exciter's audio, not distortions from RF amplifier.

- Low I.M.D. -



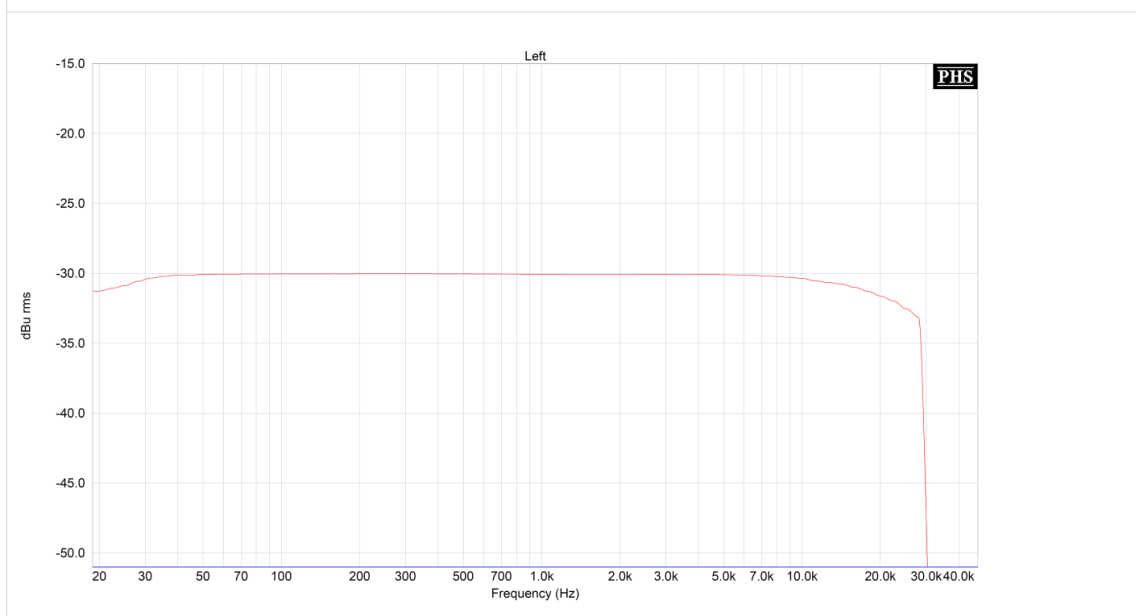
### Amplitude Modulation Dynamic Range at 1 kHz



Sampling: 96000 Hz  
 FFT size: 65536  
 Averaging: 1  
 Window: Hanning

CleanRF.com RF Demodulator  
 RF at +7.1dBm, AM sweep 80% depth

Printed by: SpectraPLUS Professional Edition  
 Licensed to: John Stuart  
 Sun Jan 08 15:19:08 2012



RF signal generated by HP2920A Comm Test Set = 7 MHz at +7.1 dBm carrier and 80% AM level.  
 RF Demodulator BNC output to M-Audio Delta 1010LT soundcard calibrated with Fluke 289 True RMS Meter at 1kHz.