



CleanRF Systems
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Splatter View 10K (RF Demodulator & RF-S10K) (10,000 Watts)

Models RF-D and RF-S10K 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-S10K)
- RF Modulation Envelope (RF-S10K)
- Peak Envelope Power (RF-S10K)
- Trapezoidal X/Y pre/post Amplifier Signal Linearity (RF-D, RF-S10K)



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"

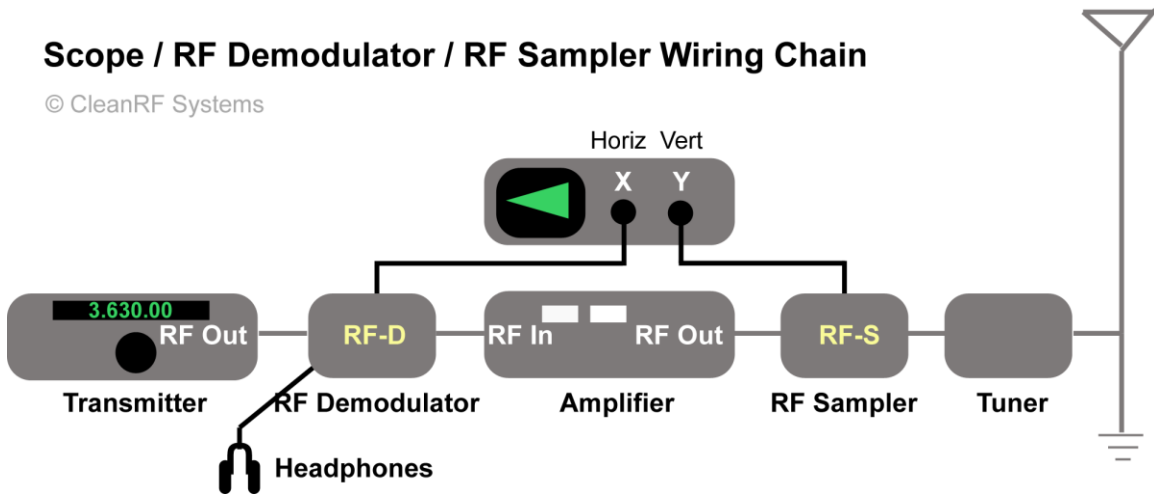
RF-S10K Specifications (10,000 Watts)

- Frequency Response: 500 kHz ~ 60 MHz
- Rated Input: 0w ~ 10,000w PEP
- Sampler Output: -26dB ~ -50dB
- Connectors In: SO-239
- Connectors Out: SO-239 and BNC
- Controls: Variable RF Output 6dB
- VSWR: < 1:1.1
- 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

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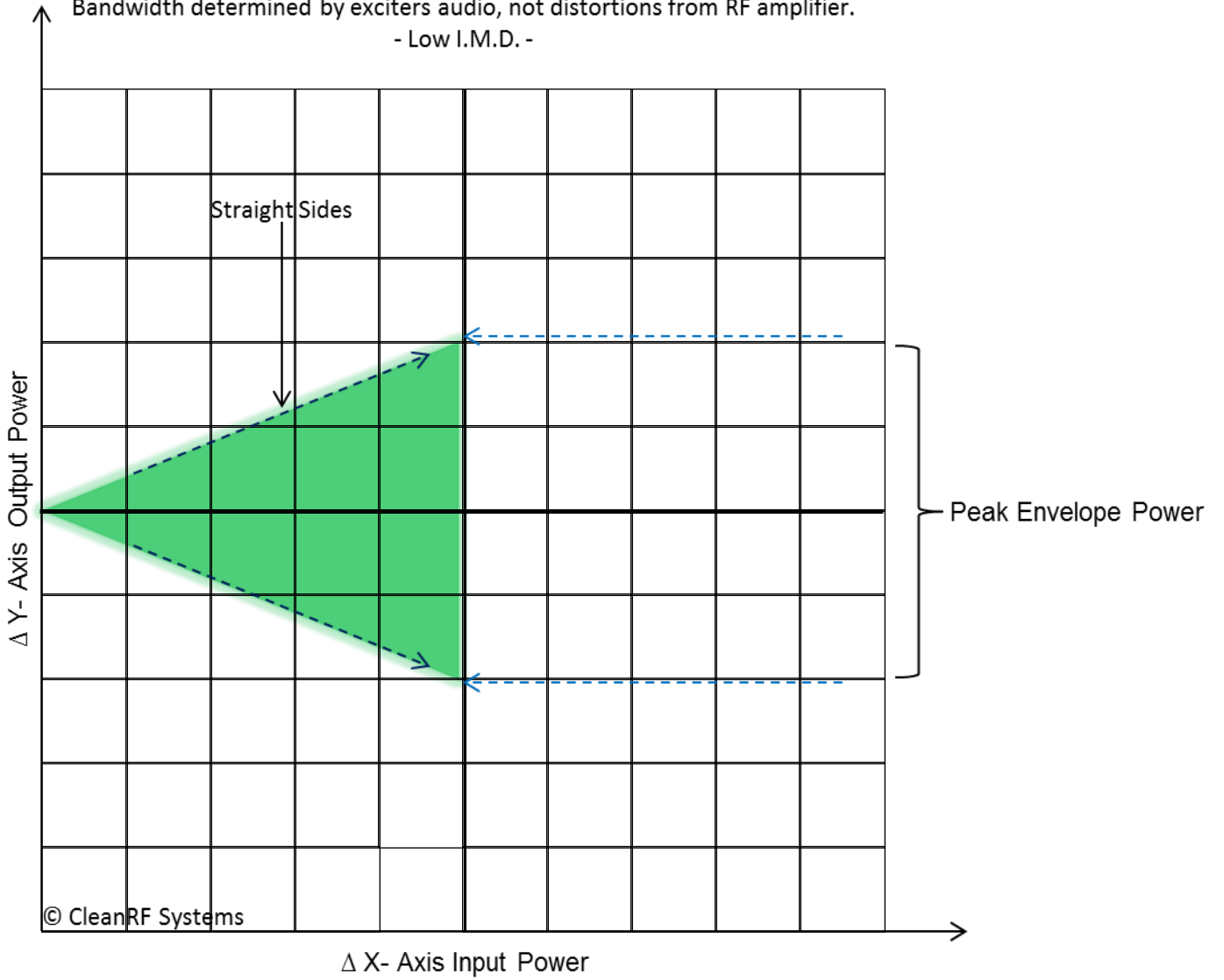


Trapezoidal Linear RF Pattern Provided by CleanRF Systems Splatter View.

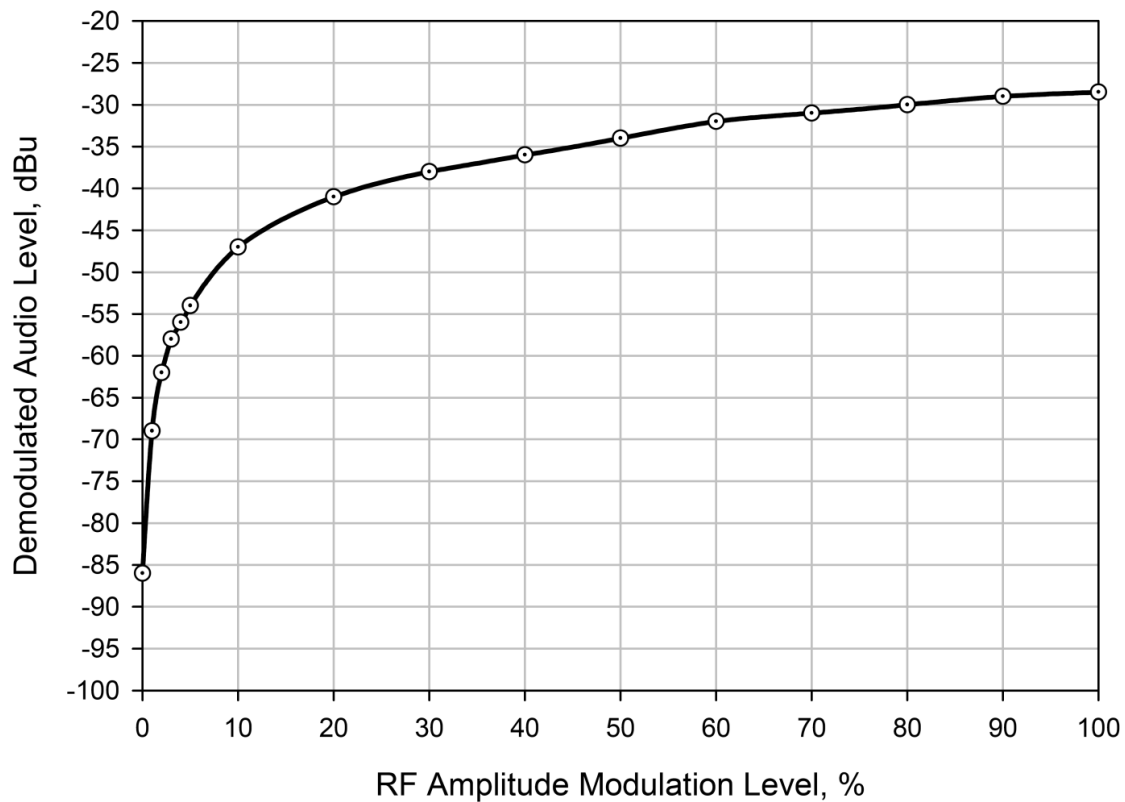
Note sides of Trapezoid are straight with distinct angles.

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

- Low I.M.D. -



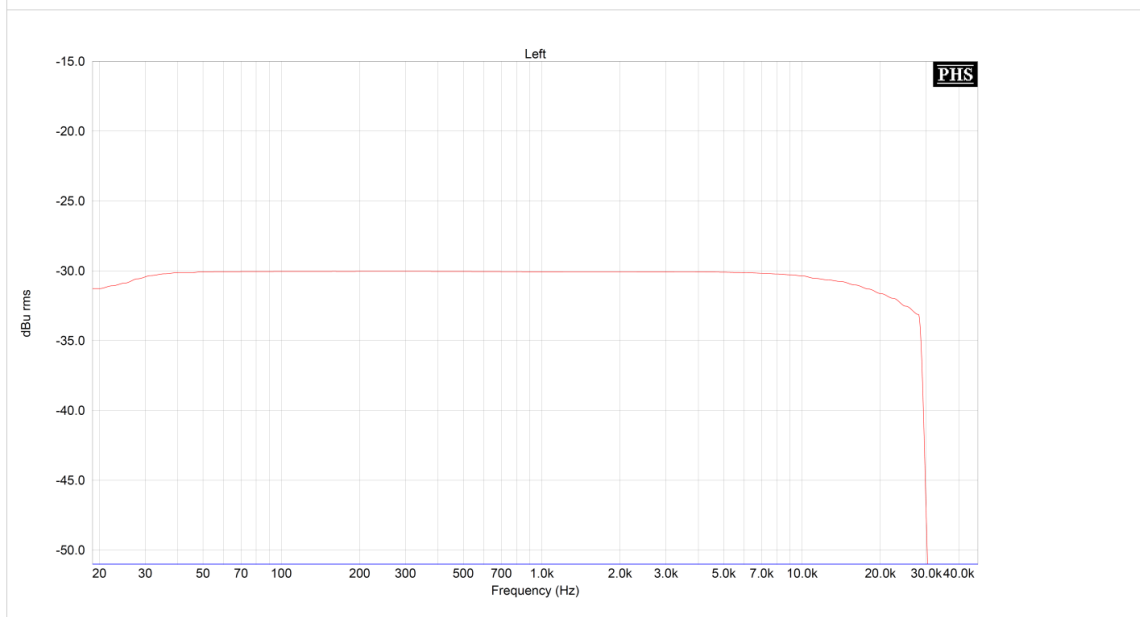
Amplitude Modulation Dynamic Range at 1 kHz



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

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

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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.