

High Performance Regenerative Receiver Design

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High Performance Regenerative Receiver Design

For CW and SSB, the small knobs are perfectly adequate. A High-Performance Shortwave Receiver Fig 7 shows a highly sensitive and selective shortwave receiver that is easy (and fun) to operate. As with the previous circuit, this design uses a bipolar RF stage, a J FET detector and an IC audio stage.

High Performance Regenerative Receiver

The design is based on the following 6 principles: - Use of a low L/C ratio (high tuning capacity, at least 470 pF). This improves the frequency stability and decreases the synchronization phenomenon and the hand effect. - Use of an adjustable RF attenuator at the receiver input. This reduces the risk of receiving powerful out-of-band stations.

VERY HIGH PERFORMANCE REGENERATIVE RECEIVER

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I have built countless regenerative radio circuits throughout the years and some have worked well - some haven't. I was inspired by the circuit design of the TEN TEC regenerative radio kit. I used some of the same ideas, but changed the design to better match my design criteria. In this design, I had eight important design objectives: Simplicity - this type...

A High Performance Regenerative Radio | Circuit Salad
HIGH PERFORMANCE REGENERATIVE RECEIVER by RAYMOND HAIGH "regeneration", the technique produces a truly dramatic increase in receiver sensitivity and selectivity. Armstrong filed his patent in October 1913, just two months before his 23rd birthday. At this amazingly young age he had pushed forward the frontiers of technology and made man's

www.epemag

Colorful Regen receiver. the very very simple version of Regen receiver is always favor by people. like this 40M band one: (L1 is a small T50-2 (red) toroid with around 18-20 turns (40m) or 35-40t (80m) on the main winding connected to the FET with a single turn coupling loop for the antenna connection.

Regen: High Performance Rig - Google

The WBR - A Simple High Performance Regen Receiver for 40M by N1BYT EDIT (July 26th 2014) - If you're thinking of building the WBR, I strongly suggest you check out my most recent build here, which incorporates a mod suggested by LA3PNA, and a different configuration for the AF amp that I think provides nicer sounding audio.

The WBR - A Simple High Performance Regen Receiver for 40M ...

The main category is Regenerative Receiver that is about Regenerative Receiver. This link is listed in our web site directory since Friday Apr 11 2014, and till today "High performance regenerative receiver" has been followed for a total of 2145 times. So far received 5 votes for a total score of 9.40/10.

High performance regenerative receiver - Resource Detail

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The regenerative radio receiver or, even super-regenerative radio receiver or, "regen" if you prefer, are basically oscillating detector receivers. They are simple detectors which may be used for cw or ssb when adjusted for oscillation or a-m phone when set just below point of oscillation.

CWTD Sept 18, 2012

The regenerative stage is powered from an LM317LZ adjustable regulator, which is configured to provide 2 to 3 V, for smooth regeneration control. The front-end is a standard aperiodic common-gate FET.

KR1S VXO Regenerative Receiver, Page 2

This web page describes a small, single tuned circuit regenerative receiver primarily for daylight reception in the 16, 19, 22 and 25 meter international shortwave broadcast bands. A good regenerative receiver A good SSB-CW-AM regenerative receiver with a fine tuning by moving the wooden stick with a grounded piece of PCB towards the coil.

Regenerative Receiver : Regenerative Receiver - The DXZone.com

122 thoughts on “ A High Performance Regenerative Radio ” ... Let's say you wanted to build a general-coverage receiver using your design, and bandswitching the coils for coverage from 3 to 30 MHz. Does your method of regeneration control allow regeneration adjustment over such a wide frequency range?

A High Performance Regenerative Radio | Circuit Salad

High Performance Regenerative Receiver Design There have been several popular Regen projects in recent QSTs and ARRL Handbooks Look at the design process and progress; then build one—or both—of the receivers described. By Charles Kitchin, N1TEV M any hams have tried regen→ erative receivers with mixed results.

Full text of "High Performance Regenerative Receiver ARRL"

High Performance Regenerative Receiver - Schematic Diagram & Parts Layout - Duration: 2:31. Chappy Happy 59,794 views

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High Performance Regenerative Receiver - Ham Radio DIY Projects

Recapture Radio's Roots With An Updated Regenerative Receiver. 12 Comments ... [Armstrong]'s original 1912 regenerative design, [VonAcht] uses silicon where glass was used, but the principle ...

Recapture Radio's Roots With An Updated Regenerative Receiver

Lemon Drops. This is a homebrew regenerative receiver, mostly based on several designs by Charles Kitchin N1TEV. See the links below for an article by him. The receiver tunes the entire 30m band (10100-10150) and performs quite well.

Regenerative receiver projects - robos.org

GARC Regenerative Radio Project Aim This is a simple, yet high performance regen radio that can be built with parts that are readily available, mostly from Jaycar and at a modest cost. It is not intended to be one project for everyone, participants are encouraged to

GARC Regenerative Radio Project

The NRQ-62, Bruce Vaughan built 59 regen receivers prior to his Ultimate Regenerative Receiver, #60. Then he built a second one to verify the design, #61. So I numbered mine #62, partially incorporating his callsign, NR5Q, I dubbed mine the NRQ-62.

NRQ-62_The_Ultimate_Regen

performance of these little regenerative radios, but looks a whole lot nicer, I would like to suggest The Geezerola Senior radio Or perhaps you'd like to read my essay on Early Coherer and other radio detectors. Or maybe the article on my High performance Heathkit CR1 crystal radio.

How I built a shortwave Armstrong FET regenerative receiver

Regenerative Receiver for Beginners. The heart of this circuit is JFET Q3, isolates the detector from the antenna, pre-. Fig 17.75—Photos of the prototype regenerative receiver.

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Regenerative Detector. Learn More. High Performance Regenerative Receiver Design. itor regeneration control are unknown The regenerative circuit was used in ...

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