

A Legal Limit Amplifier For 160 Through 10 Meters

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A Legal Limit Amplifier For

Get 1.5 kW from a New RFMOSFET: A Legal Limit HFLinear ...

we thought a full-legal-limit HF power amplifier would be possible without any power combining After many experiments, we have succeeded in designing a compact push-pull broadband amplifier with 15 kW output over 18 to 30 MHz The ARF1500 package has a unique construction, very different from conventional high power RF power 5 - 27 Higashi 1

HF Amplifiers versus Antennas One Ham s Opinion

legal-limit amplifier is hardly a casual purchase It'll set your wallet back about \$2500 Hidden Costs Don't think you can get away with just an amplifier! The power output curve is often deceptive For example, above 300 W output or so, you'll need a beefier antenna tuner Expect to spend up to \$500 for a ...

PRODUCT REVIEW Alpha 8100 HF Linear Amplifier

in the power supply section of the amplifier As is typical of legal-limit power amps, the Alpha 8100 HF Linear Amplifier Bottom Line Mark J Wilson, K1RO Product Review Editor k1ro@arrlog 1D Hedin, "Learning to Live with a Linear," QST, Jul 2006, pp 37-40 The Alpha 8100 effortlessly delivers a clean 1500 W of RF from 160 through 10

M2 2M-1K2 High Power 2 Meter Amplifier

M2 2M-1K2 High Power 2 Meter Amplifier Bottom Line The M2 2M-1K2 is a quiet and convenient solution for high power operation on 2 meters It puts out near legal limit power and is compatible with most modern transceivers or transverters 240 V wall socket in my shack If the optional M2 power supply is not used, the amplifier

Review: The Ameritron ALS-1300 1200-Watt HF Power ...

If you've been looking for a solid-state near-legal-limit amplifier, the Ameritron ALS-1300 is worthy of your consideration 1200 watts of output power,

well-protected no-tune operation, compact and light-weight packaging, and the ability to add auto band-switching makes this amplifier an attractive and useful addition for your ham shack

ALPHA 8100

to a 110V AC outlet However, you WILL NOT achieve full legal limit output in this case If the amplifier is connected to a 110V AC outlet, you should not expect more than 1000 W output 33 Air Flow It is critical that airflow around the Alpha 8100 remain unimpeded at all times Keep the top of the amplifier clear of any restrictions

Review: The Ameritron ALS-600 600-Watt HF Power Amplifier

4dB down from full legal limit The ALS-600 Amplifier The ALS-600 consists of two separate units - the amplifier itself, and a separate 50VDC/25 amp linear or switching power supply The amplifier and power supply can be separated by up to 6-feet with the supplied power cable, letting you place the amplifier

An Innovative 2-kW Linear Tube Amplifier

the legal limit Old PL509 TV sweep tubes were built to operate as switches, so they perform very well in this saturated class, achieving high anode efficiency Refer to the block diagram of Figure 1 Figure 1 — Amplifier block diagram Figure 2 — Basic waveforms (Continued on page 24)

Understanding Your 30S-1 By Bill Carns, K0CXX A Preface

of the 30S-1 amplifier in amateur service was limited by the legal Input Power limit of 1 KW total stage input which was the total of the DC plate input power and the RF drive applied to the stage This resulted in a 30S-1/ S-Line transmitter drive system where the driver had to be adjusted to

External QSK T/R Switch for HF Amplifiers

stereo cable for bias control between the QSK switch and the amplifier Conclusion: For a total cost of just over \$100 you can build a stand-alone relay-based QSK switch that will handle full legal limit amplifier s And since it is an external switch, you can move it from amplifier to amplifier as you change and upgrade your station

HF LINEAR AMPLIFIER OPERATING MANUAL

when connected to an 120V AC outlet However, you WILL NOT achieve full legal limit output in this case If the amplifier is connected to an 120V AC outlet, you should not expect more than 1000 W output 33 Air Flow It is critical that airflow around the Alpha 8410 remain unimpeded at all times Keep the top of the amplifier clear of any

March 2004 QST Product Review and Short Takes

As with most any legal limit ampli-fier, the Titan requires a 240 V ac power connection rated at 20 A The manual recommends a dedicated circuit Con-necting the amplifier to your transceiver and antenna is straightforward The in-structions in the Operators Manual are simple to follow and offer wiring dia-grams for connection to Ten-Tec trans-

Legal Limit IntelliTuner™ Automatic Antenna Tuner

The MFJ-998 includes MFJ's Amplifier Bypass Control™ This exclusive MFJ antenna tuner feature fully protects your amplifier during tuning, and will even take your amplifier off-line should the SWR increase above a user-defined pre-set limit MFJ's exclusive InstantRecall™, IntelliTune™ and AdaptiveSearch™ algorithms give you fast automatic

Class E Amplifiers - NorCal QRP

- Gives maximum limit of 2 MHz for full efficiency
- Can speed up by using a lower impedance drive source
- Slam it on, slam it off! - more drive

power needed Double driver ...

M 6M-1K2 High-Power 6 Meter Amplifier

has set the amplifier to be driven with 50 - 100 W of input by using a built-in at-tenuator to achieve the correct drive level To run the optional internal power supply, M2 6M-1K2 High-Power 6 Meter Amplifier Bottom Line The M2 6M-1K2 is a quiet and easy way to run high power on 6 meters It puts out near legal limit power

Pleasures and Pitfalls of Linear Amplifiers 4-8-10 FINAL.ppt

220 Amplifier - AG6K, Measures --Nov/Dec 1990 Over to Ross --W5HFF Amp Selection Process • What line voltage do you have available in shack? • For 1,500 Watts (full legal limit) --add 230 VAC • 4X power out gives you about 6 db gain (1 S-unit) • Going down to 750 watts from 1500 Watts is not much

What's New at Dayton 2010 - ARRL - Home

amplifier The new compact, self contained, Elecraft KPA-500, 500 W HF and 6 meter amplifier shown next to the K3 transceiver Alpha Radio Products 8406 6 meter legal limit amplifier Yeasu's new FTDX5000 HF and 6 meter transceiver features a down converting architecture and multiple roofing filters for improved close-in dynamic range