

# **By Kent Britain**

## **Wa5vjb A Cheap And**

## **Ez Hdtv Antenna**

## **Project**

Copper Pipe End Cap 10 GHz

Bandpass Filters

20-August-2019 Update: WA5VJB

Kent Britain just tested our last antenna revision (the one we did showcase at DEFCON 27) at his antenna range in Texas, and here are reported gain measurements: Back to business... The LP-2458 is a custom designed, dual-band log periodic antenna for high sensitivity reception in the frequencies specific to WiFi

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Kent Britain/WA5VJB - Antennas for Surveillance - DEF CON 27 Wireless Village

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DEF CON 27 (2019) - Finding Secrets In

Page 3/45

Publicly Exposed EBS Volumes - Ben  
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wa5vjb.com - Printed Circuit Board  
Antennas| Commercial ...  
Controlled Impedance (and Cheap)  
Antennas by Kent Britain, WA5VJB  
describes how to build a VHF rover

*Page 6/45*

antenna for less than \$500, by RF expert Kent Britain. Part of the "How to build a cheap yagi antenna" article series.

## Controlled Impedance (and Cheap) Antennas by Kent Britain ...

Kent Britain WASVJB If you're planning to build an EME array, don't use these antennas. But if you want to put together a VHF Rover with less than \$500 in the .antennas, read on. The simplified feed uses the structure of the antenna itself for impedance matching. So the design started with the feed and the elements were built around it.

## Controlled Impedance Cheap

*Page 7/45*

Antennas Kent Britain WASVJB  
BY KENT BRITAIN,\* WA5VJB  
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BY KENT BRITAIN,\* WA5VJB  
antennas

By Kent Britain," WA5VJB  
Connecting the Radio to the Sky

*Page 8/45*



2.4-GHz Patch Antennas  
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I'm going to show you some simple-to-build 2.4-GHz patch antennas. My styrofoam wall-board designs don't work well above 1500 MHz or so, as the material is just too thick. Thus, we will be building this one "DeadBug" style.

## 2.4-GHz Patch Antennas

By Sam Jewell, G4DDK and Kent Britain, WA5VJB  
Introduction  
The PGA103+ from MCL achieves sub 0.5dB noise figure (NF) at 144MHz and better than 0.55dB at 432MHz. It should also provide around 0.8dB NF at 1296MHz. The gain at 144MHz is approximately 26dB and 25dB at 432MHz.

PGA103+ Low noise, high dynamic range preamp for VHF and UHF Cheap LEO Antenna. Cheap Antennas for the AMSAT LEO's Kent Britain -- WA5VJB Cheap LEO Antenna Drew, KO4MA, using the Cheap LEO antenna during a Dayton AMSAT LEO Demonstration Hand held dual band antennas are popular for QSO's through many of the Low Earth Orbit (LEO) satellites. This article covers several 145 MHz antennas, a larger number of 435 MHz antennas, and how to combine them into one antenna.

Cheap LEO Antenna - wa5vjb.com  
The ARRLUHF/Microwave Projects

*Page 10/45*

Manual – Volume 1 has a really nice article from Kent Britain (WA5VJB) on constructing microwave bandpass filters using only copper pipe end caps, brass hardware, and some scrap pieces of UT – 141 or UT – 085 semi – rigid coax.

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*Page 11/45*

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Kent Britain, ANTENNAS - AMSAT  
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Care and feeding of Software Defined Radios We will cover the various kinds of antennas available to optimized your SDR radio for different types of spectrum...

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9 JJV 7 By Kent Britain, WA5VJB  
(WA5VJBQcq.net) 36 CQ VHF

December 1998 Ham Radio Above 50

*Page 14/45*

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More Cheap Yagis - N5DUX  
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Cheap Yagi for Uplink - AMSAT  
Kent Britain: WA5VJB: Advanced  
Yagi Techniques: Rex Moncur:  
VK7MO: Small Dish Portable EME:

*Page 16/45*



Rex Moncur: VK7MO: 10 and 24  
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BY KENT BRITAIN,\* WA5VJB  
antennas  
By Kent Britain Wa5vjb A Cheap  
And Ez Hdtv Antenna Project  
Collected Antenna Designs by Kent  
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by Kent Britain, WA5VJB edited by  
John Maca, AB5SS [Editors

notes: The antennas described in this article were built as the result of several discussions between Kent and a Cuban radio operator. While there are plenty of high performance antenna designs, most of the parts required to build them are not available in Cuba.

By Sam Jewell, G4DDK and Kent Britain, WA5VJB Introduction The PGA103+ from MCL achieves sub 0.5dB noise figure (NF) at 144MHz and better than 0.55dB at 432MHz. It should also provide around 0.8dB NF at 1296MHz. The gain at 144MHz is approximately 26dB and 25dB at 432MHz.