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~~Homebrew Magnetic Loop Antenna for 40m, 30m and 20m by Tony (EI5EM). HF Indoor Loop Antenna DIY - Simple \u0026amp; Easy to Build Magnetic loop antennas. Sense and NONsense. Portable QRP Magnetic Loop Antenna (40-10m) 40M UltraLight QRP magnetic loop antenna + TEST [XIEGU X5105] 100 watt 7 MHz magnetic loop for units and apartments UltraLight Magnetic Loop Antenna + XIEGU X5105 Magnetic loop antenna for 160-40 meters 1KW Mag Loop antenna, for ham radio HAM RADIO: Building a magnetic loop antenna Part 1 Review of AlexTune mag loop antenna tuning aid (#212)~~

ver.2.0 UltraLight Magnetic Loop - great QRP Antenna
An inefficient speaker wire magnetic loop antenna
Comparing 4 magnetic loops for hf low cost 2E0ERO
Mag loop demo uk-italy hf UltraLight Magnetic Loop Antenna — NEW Original Packaging! Portable Hf Magnetic Loop Antenna

This antenna is a small (transmitting) loop, so there are no taps on coils and no counterpoise wires needed. It has a built in tuner with a 6:1 reduction drive that allows you to easily match the antenna for transmit and receive from 7 MHz to 29.7 MHz or 3.5 MHz to 7 MHz when the Booster Cable is installed.

10-80 Meter Alpha Loop antenna (100W 10-40M, 20W 40-80M)

The same HF magnetic loop can be used in the FM and the 2m HAM bands with a slight change of its core principle: It's now a folded dipole. Actually, the feed point of the folded dipole is on the top and the actual legs are composed of the coax ground.

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YouLoop HF loop antenna - QRZ Now

Amateur radio Antenna sold here,we update our stocks to keep in touch with modern improvements in magnetic loop antenna design.Magnetic loop Ideal for restricted space locations,You can remotely tune to the ham bands in seconds reduces harmonic interference and provides super front-end receiver selectivity.

Magnetic Loop Antennas - resonant loop antennas ...

*** The HF-319 Magnetic Loop Antenna is being offered by special order only at this time. Please use the contact link above for details. *** Please use the contact link above for details. *** International buyers outside the USA: Please contact via the contact link above before ordering for a shipping cost quote.

Loop Antenna - SignalLoop model HF-319 Portable HF Magnetic ...

SignalLoop model HF-319 Portable HF Magnetic Loop Antenna (click image for larger view) *** Please read the FAQ & feedback sections further down this page, and feel free to contact any time if you have any questions. *** Since its introduction in mid 2015, the HF-319 has become a popular antenna and is used in a variety of situations. It is also the lowest cost high quality complete small ...

SignalLoop model HF-319 Portable HF Magnetic Loop Antenna

The G4ILO Wonder Loop is an inexpensive, easy to make magnetic loop antenna that covers five HF bands, 40m through 15m. It is designed for portability, and can be assembled or disassembled in

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about a minute. When disassembled the antenna easily fits in a suitcase or backpack.

The G4ILO Wonder Loop

A magnetic loop behaves electrically as a coil (inductor) with a small but non-negligible radiation resistance due to its finite size.

Portable Magnetic Loop Antennas - FARS

1) The magnetic loop antenna is an RF transformer. The primary is the small inner loop that is 1/5 of the size of the main loop. The secondary is the main loop, and is the actual antenna. This outer conductor is closed by a variable tuning capacitor.

PY1AHD ALEX - What is a magnetic loop antenna?

Hello Operators Last month I published the teaser video for the Ultimate Man Portable Magnetic Loop antenna build. The build utilises the DIY Magnetic Loop Starter Kit from Chamaeleon Antenna. Well, its time to have a look at the first prototype.

DIY Man Portable Magnetic Loop Antenna – OH8STN Ham Radio

Enter the W4OP magnetic loop antenna LnR precision had only a few weeks before announced their new portable, self-supporting, magnetic loop antenna: the W4OP loop (\$329.99 US). I contacted LnR in November to tell them about my upcoming December NPOTA DXpedition, and inquired whether they thought the W4OP loop would be a good fit?

A review of the W4OP portable magnetic loop antenna | The ...

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This is a super portable passive HF/VHF loop antenna designed for super low NF/MDS receivers like the Airspy HF+ Discovery. It also works to some extent with the RTL-SDR V3 in direct sampling mode if you enable RTL AGC. Passive design, no tuning required. Low-loss wide-band BALUN with 0.28 dB loss typ.

YouLoop Magnetic Antenna Portable Passive Magnetic Loop ...

The YouLoop is a generalization of the Möbius loop where a balanced electric shield is used as the center of a multi-turn loop. The rest of the turns run inside the shield. This construction is electrically balanced for large wave wavelengths, ie. when λ is very large compared to the size of the antenna.

YouLoop Magnetic Antenna - airspy.com

Portable Passive Magnetic Loop Antenna For HF And VHF Magnetic Antenna Hot Sale. £15.63 + £7.49 P&P . For HF and VHF Electromagnetic Antenna Passive Magnetic Loop Antenna Accessories. £29.99 + £0.99 P&P VERTICAL GROUND PLANE ANTENNA FOR THE 2 METER BAND. £34.49. Free P&P . Picture Information . Opens image gallery. Image not available. Mouse over to zoom-Click to enlarge. Move over photo ...

YouLoop Magnetic Antenna Portable Passive Magnetic Loop ...

Portable HF DX EMCOMM Alpha Antenna; Portable HF (HD/LT/Basic) FMJ Antenna; Portable HF VHF UHF HexTenna Alpha Antenna; Reviews. 100 Watt HF Magnetic Loop Antenna; Base HF ProMaster Antenna; Base Portable HF J-Pole Alpha Antenna; Base Portable S9 Antenna; Base Sky VHF UHF Antenna; HOA Buster

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antenna for 10-80 meters; Mobile HF Alpha MOTO ...

100 Watt HF Magnetic Loop Antenna – Alpha Antenna I carried out a survey in early 2014 to try to discover which portable HF antenna was most popular. Just over 300 people responded. They were asked to choose their "favourite portable antenna" from: Ground-plane W3EDP Endfed Halfwave Single Band Dipole Random Length Endfed Doublet Linked Dipole Magnetic Loop Multiband Loaded Dipole Other The order the antennas were listed in was randomised so ...

5 Most Popular HF Portable Antennas - SOTABEAMS Our HF antennas are tested at a height of 25 ft. in "clear surroundings", in an inverted V and/or sloper configurations. If your installation site does not meet these requirements, the tuning will yield high SWR and impaired performance. In any case, a good wide range tuner is recommended to lower SWR and broadband the SWR bandwidth for any model. We cannot answer questions about "if we ...

CHAMELEON ANTENNA - Ham Radio, Loop Antenna, Portable Antenna

Portable Alpha Loop (version 6.x) for coverage of 10-80 Meters handles 100 Watts PEP SSB on 10-40 Meters and 20W on 40/60/80 Meters when the included Booster Cable is installed.

10-80 Meter (100W 10-40M, 20W 40-80) Magnetic Alpha Loop ...

A magnetic loop antenna (MLA) can very conveniently be accommodated on a table top, hidden in an attic /

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roof loft, an outdoor porch, patio balcony of a high-rise apartment, rooftop, or any other tight space constrained location.

The Underestimated Magnetic Loop HF Antenna
A magnetic loop antenna is electrically simple and looks like a two turn transformer with a tuning capacitor in the larger loop. The "primary" of this transformer is a small loop of wire, fed by standard 50 Ohm coaxial cable (coax) that goes to your HF transceiver. It feeds ("induces") the radio signals to/from the BIG loop.

This ultimate one-stop reference is designed to save you a mountain of work. You get hands-on expertise for every type of mobile antenna base station and terminal system, including its theory of operation, application strengths and weaknesses, performance characteristics, design procedures, analysis techniques, and optimization methods, complete with examples and worked-out calculations at every step.

THE DEFINITIVE ANTENNA REFERENCE--FULLY REVISED AND EXPANDED! Design and build your own antennas with the help of this unique guide. Updated and revised to provide clear answers to questions frequently asked by hobbyists and electronics technicians, Practical Antenna Handbook, Fifth Edition

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blends theoretical concepts with hands-on experience--requiring only high school mathematics Reorganized to flow logically from broad physical principles to specific antenna design and construction techniques, the book begins by covering the fundamentals. Then the half-wave dipole is discussed both as an excellent antenna in its own right and as a conceptual tool for predicting the performance of other designs. Transmission line impedance matching techniques--and a companion Smith chart tutorial--lead into "must have" accessories for tuning, monitoring, and troubleshooting antenna system performance. Other tools, such as antenna modeling software and network analyzer add-ons for PCs and Macs, are addressed, and concluding chapters offer fresh insights into support structures and installation techniques. NEW TOPICS COVERED INCLUDE:

Characteristics of all-driven and parasitic arrays
Beverages and small MF/HF receiving loops Top-loaded shunt-fed towers and other verticals Theory and design of Yagi beams Effect of real ground on propagation and antenna patterns, impedance, and efficiency Lightning protection and four kinds of ground systems Zoning and restrictive covenants
COVERS A WIDE VARIETY OF ANTENNAS: Dipoles and inverted-Vs Quads, delta, and NVIS loops Wire arrays (bobtail curtain, half-square, rhombic) Verticals and shunt-fed towers Rotatable Yagi beams MF/HF receiving antennas (flag, pennant, K9AY, Beverage) Mobile and portable antennas VHF/UHF/microwave antennas And many more GO TO

WWW.MHPROFESSIONAL.COM/CARR5 FOR: * Tables of worldwide geographic coordinates and antenna dimensions vs. frequency * Supplier updates *

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Author's blog * Additional photographs and schematics * Links to tutorials and specialized calculators

The premiere volume includes articles on a multiband portable, quads and loops, baluns, the Smith Chart, and more.

The contents of this book are mostly aimed at the amateur radio beginner and aspiring ones. Therefore, this book provides answers to basic questions like: What is the best HF antenna for my needs and location? What type of stand-alone antenna tuner should I use and which should I avoid? How can I hide my HF antenna from the neighbors and still get acceptable performance from it? What about lightning protection? This book will supply immediately useful answers to the above questions and many more. A properly designed and installed amateur radio HF antenna system can potentially make the humblest ham radio equipment perform like stations worth thousands of dollars. We are confident that the antenna experimenter will find the information given here priceless. Furthermore, any ham radio operator, armed with the information this book contains, will become a much better informed buyer of commercially made HF antenna systems and accessories. This special compendium edition is published in response to ham radio operators who wrote to ask that all the basic information, on and related to amateur radio HF antennas, be made available in one book instead of four, arguing that it would be more convenient. The author and publisher agree. Therefore this edition contains the complete

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four-book series on Amateur Radio HF Antennas published by Claude Jollet, VE2DPE.

This comprehensive text on antenna theory explains the origin of radiation and discusses antenna parameters in-depth. This book offers an in-depth coverage of fundamental antenna theory, and shows how to apply this in practice. The author discusses electromagnetic radiation and antenna characteristics such as impedance, radiation pattern, polarization, gain and efficiency. In addition, the book provides readers with the necessary tools for analyzing complex antennas and for designing new ones. Furthermore, a refresher chapter on vector algebra, including gradient, divergence and curl operation is included. Throughout the book ample examples of employing the derived theory are given and all chapters are concluded with problems, giving the reader the opportunity to test his/her acquired knowledge. Key Features: Covers the mathematical and physical background that is needed to understand electromagnetic radiation and antennas. Discusses the origin of radiation and provides an in-depth explanation of antenna parameters. Explores all the necessary steps in antenna analysis allowing the reader to understand and analyze new antenna structures. Contains a chapter on vector algebra, which is often a stumbling block for learners in this field. Includes examples and a list of problems at the end of each chapter. Accompanied by a website containing solutions to the problems (for instructors) and CST modeling files.

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(www.wiley.com/go/visser_antennas) This book will serve as an invaluable reference for advanced (last year Bsc, Msc) students in antenna and RF engineering, wireless communications, electrical engineering, radio engineers and other professionals needing a reference on antenna theory. It will also be of interest to advanced/senior radio engineers, designers and developers.

Written by a leading expert in the field, this practical new resource presents the fundamentals of electromagnetics and antenna technology. This book covers the design, electromagnetic simulation, fabrication, and measurements for various types of antennas, including impedance matching techniques and beamforming for ultrawideband dipoles, monopoles, loops, vector sensors for direction finding, HF curtain arrays, 3D printed nonplanar patch antenna arrays, waveguides for portable radar, reflector antennas, and other antennas. It explores the essentials of phased array antennas and includes detailed derivations of important field equations, and a detailed formulation of the method of moments. This resource exhibits essential derivations of equations, providing readers with a strong foundation of the underpinnings of electromagnetics and antennas. It includes a complete chapter on the details of antenna and electromagnetic test and measurement. This book explores details on 3D printed non-planar circular patch array antenna technology and the design and analysis of a planar array-fed axisymmetric gregorian reflector. The lumped-element impedance matched antennas are examined and include a look at an analytic

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impedance matching solution with a parallel LC network. This book provides key insight into many aspects of antenna technology that have broad applications in radar and communications.

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