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Amsat sa antenna

The antenna has a 50-ome-designed driver. Yagi has a unique element called open sleeve, which is directed, very close to the driven element. The driven element is 2M in size. When running the 70cm Open Sleeve acts as part of the propulsion element 70cm (Third Harmonics 2M). The original concept was developed in 1946 by Dr. J T Bolljahn of the Stanford Research Institute, but was not introduced to amateur radio until the 1950s. The AMSAT SA version is based on dk7ZB design with WB5CXC changes. The first version of South Africa was the collaboration between Guy Eales ZS6GUY and Dr Gary Immelman ZS6YI. It was developed by YOTA 2018, where young people successfully used antenna operating satellites using hand transmitters. The mechanical construction was redesigned by Dr Gary Immelmann ZS6YI. Choking around the arrow was added to the antenna to isolate from the coax and reduce the effect of human contact on the antenna. A handle was added to the end of the boom, making it more convenient to store and further insulate the antenna from the caretaker. AMSAT SA yagi is produced in one of its factories in Vereeniging. It has two elements 145 MHz and 3 elements 435 MHz. Due to its size the antenna has excellent profit: 145 MHz: 4,12 dBd or 6.3 dBi 435 MHz: 6,23 dBd or 8.4 dBi Yagi is a broadband connection with a measured SWR so and almost flat over all bands 145,800 SWR 1.1 435.000 SWR 1.12 Antenna is connected and played. No tools are required except soldering on the connector to suit the program. It is a complete carry bag with full instructions. This antenna can be collected and disassembled in minutes. Price of AMSAT SA and SARL members: R350.00 plus packing and courier fees. Non-members: R450 plus packing and courier fees Packing and courier fees: Postnet - Postnet R120.00 Postnet to home delivery R230.00 (main regional city) Smaller city courier fee on request. If you wish to book, click here for the order form. All orders must be paid in advance by EFT. There are no cash transactions. Yagi can be exported in batches 6. Canvas club members and submit in bulk order. Send an email admin@amsatsa.org.za for your export order and payment details if ordered in batches of 6 units After many amateur requests outside South Africa we can offer yagi for export if ordered in lot 6, R950 each (about \$65), total 6 R5700 lot. (about \$390). countries of the European Union and the US. In Australia and New Zealand, R1000 is a unit of 6 in the all R6000 lot. Other countries on request. Managed by AMSAT-DL in collaboration with Sternwarte Bochum Diameter: 20m, Weight: 140t 40m high air dome serves as air protection built in 1965 for ground support Apollo mission drive systems and RF equipment, renovated in 2003 (AMSAT-DL) phase lock receivers fo: 2.3 GHz (DSN/ham-radio) 5.8 GHz (ham-radio) 8.4 GHz (DSN X-Band) 10,4 GHz (ham-radio X-Band) reference oscillator: 10 MHz HP Z3801 (GPS locked) Allan-Deviation cas. 1E-11(tau =100 sec) full RX circuit to base band phase locked VOYAGER 1 reception (2006-03-31) ~ 14.7 billion km (~99AU) Regular (daily)) Operation STEREO-A/B space weather beacon from 2009 (upgraded Turbo Coding AMSAT-DL 2013) NASA/NOAA including demodulation and decoding data before transmitting TLM frames to central server in the US. Serial transmitter 2.4 GHz (Magnetron, Pout = 6kW PEP, RB locked phase) S-band transmitter (hamradio): 250W PEP Planetary radar echoes 2.45 GHz in Venus in 2009 at a distance of 42 million km First ISEE-3 holder detection in March 2014, Initial ISEE-3 Recovery Operations Continental Arrival deep space probe reception (residual holder): 2001 Mars Odyssey Akatsuki (Venus Express, Cassini) and IKAROS EMM (Hope Mars Mission) Mars Express MRO Mars Surveyor 98 New Horizons Rosetta Tianwen-1 Ulysses Vener Climate Orbiter Voyager 1 RX: 2.2-2.4 5 GHz, 8.4 GHz, 10 GHz TX: 2.45 GHz (license limited) complete RF circuit stage locked rb reference or GPSDO: Allan deviation <1E-11@100 sec Frequency [GHz] G/T [J/K] 3dB radius [deg] 2.4 32.6 dB 0.0 0.0 43 8.4 41.0 dB 0.124 10.4 42.0 dB 0.1 deg (calculated) engine management system accuracy : 10 maximum rotational speed: Azimuth 1,25 deg/s, Height 0.8 deg/s exact location Bochum antenna: N51.426990, E7.192566, 159.65m ASL above is the center of the knowledge phase of the height axis center: 50mm (estimated) Digitizers at: IF USRP (max. 50 MS/s) Airspy SDR (max. 10 MS/s) HPSDR (max. 384 kS/s) Sound card (48 kS/s) 8.4 GHz frequency control ADC 166 kS/s CCSDS standard decoder: in progress Internet connection: 10 Mbit/s upstream, 100 Mbit/downstream control room AMSAT-SA Dual-band 145/435 MHz Yagi AMSAT SA has provided a new dual band 145/435 MHz Yagi antenna for amateur satellite operation. Yagi has a unique element called open sleeve, which is directed, very close to the driven element. The drive is 2 meters in size. At a height of 70 cm, the open sleeve acts as part of the drive element 70 cm (third harmonica 2 m). The AMSAT SA version is based on the design of Martin Steyer, DK7ZB with the changes of the late Larry Brown, WB5CXC. The first version of South Africa was the collaboration of Guy Eales, ZS6GUY and Gary Immelman, ZS6YI. It was developed by YOTA 2018, where young people successfully used antenna operating satellites using hand transmitters. The mechanical structure of the AMSAT SA version was redesigned by Gary, ZS6YI. Choking around the arrow was added to the antenna to isolate from the coax and reduce the effect of human contact on the antenna. A handle was added to the end of the boom, making it more convenient to store and further insulate the antenna from the caretaker. The antenna is connected and played. No tools are required except soldering on the connector to suit the program. It is a complete carry bag with full instructions. This antenna can be collected and disassembled in minutes. For more information and how to book, visit SARL and AMSAT SA members receive a discount. Source SARL News NORsat-2 space to deploy your antenna. (Credit: Space Norway AS) Radio buffs Sean Hum VA3SHV and Jeff Nicholls VA3NGJ worked on deploying VHF with crossed Yagi antenna design recently launched by NORsat-2. The very high frequency (VHF) antenna was designed to unfold from CubeSat after receiving a command from the Norwegian Space Center to deploy once in orbit. This antenna is a completely new type antenna - it unfolds more than three times larger than the satellite that took it into orbit, says Hum. This is the first time that the deployed antenna of this type has been considered and successfully used as the main mission antenna CubeSat. 20 July CubeSat on board the esima cameras confirmed the successful installation of the antenna. Read the full story Chertsey Radio Club runs a virtual build-a-thon to build a two-lane satellite antenna 2m/70cm using low-cost parts and it is open to all. They will be using WebEx to allow access to your computer/tablet, webcams and the Internet will require access to sessions. They will launch a virtual buildathon with a small diplexer kit haDLFK, the kits will be no more than £20, depending on shipping and import tax, as you always pay what we pay, no extra costs. Please email chertseyradioclub <at>hotmail.com to register your interest. For more information N9TAX Slim Jim mounted on a 3 meter mast on the AMSAT-SM website is an article about a two-band omni-directional 145/435 MHz Slim Jim antenna designed by N9TAX. Lars SMOTGU comments that the antenna is perfect for the satellite goes below 30 degrees high, but the signals are significantly weaker due to the high altitude passes. Read the AMSAT-SM article in Google English More information about the N9TAX dual-band Slim-Jim antenna is Jim Info.html</at> Antenna is available through the Two Way Electronix website

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