Content / Inhalt

Antennas and Feeds

23, 13, 9 and 6cm Dish-feed on one feedline by Hans Holsink, PE1CKK	10
Simple dual band dish feed for Es'hail-2 / QO-100 by Mike Willis, G0MJW, Remco den Besten, PA3FYM, and Paul Marsh, M0EYT	20
Patch Array Antenna for the Es'Hail-2 Satellite by Mirek Kasal, OK2AQ	31
Cassegrain Reflections - Producing and Testing 3D printed Cassegrain sub-reflectors by Alan Devlin, VK3XPD	37
Twin-boom Yagi Antennas for 432 MHz – Comparing different radiators by Slobodan Bukvic, YU7XL	61
Motorizing WR-10 & WR-15 Waveguide Switches by AI Ward, W5LUA	74
Rotary Joint for 10 GHz by Jose A. Soler Amat, EA3HMJ	79
A 47 GHz Waveguide Adapter Plate by Dom Dehays, F6DRO	91
A Passive Reflector for Microwaves by Gary Urquhart, VK4GU	99
Coax Cable Two Way Dividers with improved Performance by Luc Laplante, VE2ULU with Hartmut Klüver, DG7YBN	110
Parabolic or Spherical Reflectors? by Jean-François Lampin, F4BAY	124
Modular 122 GHz Antenna Suite by Neil Smith, G4DBN	133

Transverters & Transeivers

2m Band Transverter for the IC-7300 SDR Transceiver by Michael Kuhne, DB6NT	140
As easy as 122 GHz? - An easier way on to the 122GHz mm-wave band by Andrew Anderson VK3CV / WQ1S	158
An Advanced 122 GHz Transceiver by David Minchin, VK5KK	181
EI Cuatro EC24r2 - A 24 GHz FM/CW Transceiver with 1mW output by Werfried Kuneth, OE8FNK	215
"HYDRA": A CW/SSB/FM Range Extender for ADALM PLUTO for the 3cm Band & Update by Werfried Kuneth, OE8FNK	224
432 MHz Transverter for an SDR by Paul Wade, W1GHZ	232

Power Amplifier

Adaption of an UMTS power amplifier module	
For the 2400 MHz amateur band	
by Andrzej Niczyporuk, SP8XXN and Tom Babut, SP5XMU	251

Preamplifier

VLNA-144 - Very Low Noise Preamplifier	
by Dipl. Ing. Gyula Nagy, HA8ET	258

Measuring Equipment & Miscellaneous

Controlling PLLs the "easy" way by Wolfgang Scherr, OE8WOZ

291
302
314
317
325
332
345
366

Propagation

EME on Millimeter Waves, Part 2 - My antenna by Sergey Zhutyaev, RW3BP

375